

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 : Q2259
ATTENTION : Adam Roy



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q2259

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number

Q2259-01
Q2259-02
Q2259-03
Q2259-04
Q2259-05
Q2259-06

Client Sample Number

OU4-PCS-TC-36-060525
OU4-PCS-TC-36-060525
OU4-PCS-TC-37-060525
OU4-PCS-TC-37-060525
OU4-TS-29-060525
OU4-TS-30-060525

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

Signature : _____

Date: 6/19/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Order ID # Q2259

Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:

6 Solid samples were received on 06/06/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOCMS Group3 and VOCMS Group3. 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 met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

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

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

E. Additional Comments:

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.



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

OU4-PCS-TC-37-060525 was reported with J flag on form 1 for com#4,4'-DDT based on reporting criteria of high concentration from both column. Now for other column compound detection is below MDL therefore it is not detecting on form 10.

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_____

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2259

MATRIX: Solid

METHOD: 8081B/3541

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



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

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.

OU4-PCS-TC-37-060525 was reported with J flag on form 1 for com#4,4-DDT based on reporting criteria of high concentration from both column. Now for other column compound detection is below MDL therefore it is not detecting on form 10.

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2259

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: 06/19/2025

LAB CHRONICLE

OrderID:	Q2259	OrderDate:	6/6/2025 10:57:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	D21,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2259-01	OU4-PCS-TC-36-0605 25	SOIL			06/05/25			06/06/25
			Herbicide Group1	8151A		06/10/25	06/10/25	
			PCB	8082A		06/09/25	06/09/25	
			Pesticide-TCL	8081B		06/09/25	06/11/25	
Q2259-03	OU4-PCS-TC-37-0605 25	SOIL			06/05/25			06/06/25
			Herbicide Group1	8151A		06/10/25	06/10/25	
			PCB	8082A		06/09/25	06/09/25	
			Pesticide-TCL	8081B		06/09/25	06/11/25	

Hit Summary Sheet
SW-846

SDG No.: Q2259

Order ID: Q2259

Client: Nobis Group

Project ID: Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-PCS-TC-37-060525									
Q2259-03	OU4-PCS-TC-37-0604	SOIL	4,4-DDT	0.00033	J	0.00015	0.00035	0.0018	mg/Kg
Q2259-03	OU4-PCS-TC-37-0604	SOIL	Methoxychlor	0.0029		0.00039	0.00088	0.0018	mg/Kg
Total Concentration:				0.00470					



QC SUMMARY

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Surrogate Summary

SDG No.: Q2259

Client: Nobis Group

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PD088583.D	PIBLK-PD088583.D	Decachlorobiphenyl	1	20	18.4	92		30	135
		Tetrachloro-m-xylene	1	20	16.5	83		44	124
		Decachlorobiphenyl	2	20	18.0	90		30	135
		Tetrachloro-m-xylene	2	20	16.9	84		44	124
I.BLK-PD088853.D	PIBLK-PD088853.D	Decachlorobiphenyl	1	20	25.2	126		30	135
		Tetrachloro-m-xylene	1	20	24.7	123		44	124
		Decachlorobiphenyl	2	20	24.6	123		30	135
		Tetrachloro-m-xylene	2	20	22.5	113		44	124
PB168350BL	PB168350BL	Decachlorobiphenyl	1	20	23.4	117		55	130
		Tetrachloro-m-xylene	1	20	21.8	109		42	129
		Decachlorobiphenyl	2	20	22.6	113		55	130
		Tetrachloro-m-xylene	2	20	20.0	100		42	129
PB168350BS	PB168350BS	Decachlorobiphenyl	1	20	23.7	119		55	130
		Tetrachloro-m-xylene	1	20	21.8	109		42	129
		Decachlorobiphenyl	2	20	23.1	116		55	130
		Tetrachloro-m-xylene	2	20	20.4	102		42	129
I.BLK-PD088865.D	PIBLK-PD088865.D	Decachlorobiphenyl	1	20	25.0	125		30	135
		Tetrachloro-m-xylene	1	20	24.2	121		44	124
		Decachlorobiphenyl	2	20	24.3	121		30	135
		Tetrachloro-m-xylene	2	20	22.3	112		44	124
I.BLK-PD088878.D	PIBLK-PD088878.D	Decachlorobiphenyl	1	20	20.2	101		30	135
		Tetrachloro-m-xylene	1	20	22.4	112		44	124
		Decachlorobiphenyl	2	20	17.8	89		30	135
		Tetrachloro-m-xylene	2	20	21.3	106		44	124
Q2266-01MS	WC-3MS	Decachlorobiphenyl	1	20	16.4	82		55	130
		Tetrachloro-m-xylene	1	20	18.9	94		42	129
		Decachlorobiphenyl	2	20	14.7	74		55	130
		Tetrachloro-m-xylene	2	20	17.8	89		42	129
Q2266-01MSD	WC-3MSD	Decachlorobiphenyl	1	20	16.3	81		55	130
		Tetrachloro-m-xylene	1	20	18.9	94		42	129
		Decachlorobiphenyl	2	20	15.2	76		55	130
		Tetrachloro-m-xylene	2	20	17.9	90		42	129
I.BLK-PD088890.D	PIBLK-PD088890.D	Decachlorobiphenyl	1	20	22.0	110		30	135
		Tetrachloro-m-xylene	1	20	23.0	115		44	124
		Decachlorobiphenyl	2	20	20.6	103		30	135
		Tetrachloro-m-xylene	2	20	21.4	107		44	124
I.BLK-PD088902.D	PIBLK-PD088902.D	Decachlorobiphenyl	1	20	22.5	112		30	135
		Tetrachloro-m-xylene	1	20	23.5	117		44	124
		Decachlorobiphenyl	2	20	21.8	109		30	135
		Tetrachloro-m-xylene	2	20	21.7	108		44	124
Q2259-01	OU4-PCS-TC-36-060525	Decachlorobiphenyl	1	20	25.0	125		55	130

Surrogate Summary

SDG No.: Q2259

Client: Nobis Group

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
Q2259-01	OU4-PCS-TC-36-060525	Tetrachloro-m-xylene	1	20	25.8	129		42	129
		Decachlorobiphenyl	2	20	23.3	116		55	130
Q2259-03	OU4-PCS-TC-37-060525	Tetrachloro-m-xylene	2	20	22.5	113		42	129
		Decachlorobiphenyl	1	20	21.4	107		55	130
		Tetrachloro-m-xylene	1	20	22.5	112		42	129
		Decachlorobiphenyl	2	20	20.2	101		55	130
		Tetrachloro-m-xylene	2	20	20.0	100		42	129
I.BLK-PD088913.D	PIBLK-PD088913.D	Decachlorobiphenyl	1	20	22.9	114		30	135
		Tetrachloro-m-xylene	1	20	22.9	115		44	124
		Decachlorobiphenyl	2	20	22.2	111		30	135
		Tetrachloro-m-xylene	2	20	21.0	105		44	124

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2259 Analytical Method: 8081B
Client: Nobis Group DataFile : PD088885.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2266-01MS (Column 1)	WC-3MS											
	alpha-BHC	18.77	0	19.3	ug/kg	103				45	137	
	beta-BHC	18.77	0	19.1	ug/kg	102				50	136	
	delta-BHC	18.77	0	20.6	ug/kg	110				47	139	
	gamma-BHC (Lindane)	18.77	0	19.2	ug/kg	102				49	135	
	Heptachlor	18.77	0	18.2	ug/kg	97				47	136	
	Aldrin	18.77	0	19.3	ug/kg	103				45	136	
	Heptachlor epoxide	18.77	0	18.9	ug/kg	101				52	136	
	Endosulfan I	18.77	0	18.7	ug/kg	100				53	132	
	Dieldrin	18.77	0	18.5	ug/kg	99				56	136	
	4,4'-DDE	18.77	0	18.9	ug/kg	101				56	134	
	Endrin	18.77	0	18.2	ug/kg	97				57	140	
	Endosulfan II	18.77	0	17.9	ug/kg	95				53	134	
	4,4'-DDD	18.77	0	19.1	ug/kg	102				56	139	
	Endosulfan sulfate	18.77	0	17.7	ug/kg	94				55	136	
	4,4'-DDT	18.77	0	17.1	ug/kg	91				50	141	
	Methoxychlor	18.77	0	16.2	ug/kg	86				52	143	
	Endrin ketone	18.77	0	17.8	ug/kg	95				55	136	
	Endrin aldehyde	18.77	0	17.9	ug/kg	95				35	137	
	alpha-Chlordane	18.77	0	18.7	ug/kg	100				54	133	
	gamma-Chlordane	18.77	0	18.6	ug/kg	99				53	135	
Client Sample ID: Q2266-01MS (Column 2)	WC-3MS											
	alpha-BHC	18.77	0	18.1	ug/kg	96				45	137	
	beta-BHC	18.77	0	18.1	ug/kg	96				50	136	
	delta-BHC	18.77	0	18.2	ug/kg	97				47	139	
	gamma-BHC (Lindane)	18.77	0	18.0	ug/kg	96				49	135	
	Heptachlor	18.77	0	17.1	ug/kg	91				47	136	
	Aldrin	18.77	0	18.1	ug/kg	96				45	136	
	Heptachlor epoxide	18.77	0	17.8	ug/kg	95				52	136	
	Endosulfan I	18.77	0	17.8	ug/kg	95				53	132	
	Dieldrin	18.77	0	17.5	ug/kg	93				56	136	
	4,4'-DDE	18.77	0	17.6	ug/kg	94				56	134	
	Endrin	18.77	0	17.2	ug/kg	92				57	140	
	Endosulfan II	18.77	0	17.2	ug/kg	92				53	134	
	4,4'-DDD	18.77	0	17.0	ug/kg	91				56	139	
	Endosulfan sulfate	18.77	0	16.9	ug/kg	90				55	136	
	4,4'-DDT	18.77	0	16.4	ug/kg	87				50	141	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2259</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Nobis Group</u>	DataFile :	<u>PD088885.D</u>

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Limits	
			Qual	RPD			Qual	Low	High	RPD	
Q2266-01MS (Column 2)	Methoxychlor	18.77	0	15.9	ug/kg	85				52	143
	Endrin ketone	18.77	0	16.9	ug/kg	90				55	136
	Endrin aldehyde	18.77	0	16.8	ug/kg	90				35	137
	alpha-Chlordane	18.77	0	18.0	ug/kg	96				54	133
	gamma-Chlordane	18.77	0	18.0	ug/kg	96				53	135

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2259 Analytical Method: 8081B
Client: Nobis Group DataFile : PD088886.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2266-01MSD (Column 1)	WC-3MSD											
	alpha-BHC	18.8	0	19.6	ug/kg	104		1		45	137	20
	beta-BHC	18.8	0	19.2	ug/kg	102		0		50	136	20
	delta-BHC	18.8	0	20.9	ug/kg	111		1		47	139	20
	gamma-BHC (Lindane)	18.8	0	19.4	ug/kg	103		1		49	135	20
	Heptachlor	18.8	0	18.4	ug/kg	98		1		47	136	20
	Aldrin	18.8	0	19.5	ug/kg	104		1		45	136	20
	Heptachlor epoxide	18.8	0	19.2	ug/kg	102		1		52	136	20
	Endosulfan I	18.8	0	18.9	ug/kg	101		1		53	132	20
	Dieldrin	18.8	0	18.7	ug/kg	99		0		56	136	20
	4,4'-DDE	18.8	0	19.2	ug/kg	102		1		56	134	20
	Endrin	18.8	0	18.4	ug/kg	98		1		57	140	20
	Endosulfan II	18.8	0	18.1	ug/kg	96		1		53	134	20
	4,4'-DDD	18.8	0	19.3	ug/kg	103		1		56	139	20
	Endosulfan sulfate	18.8	0	18.0	ug/kg	96		2		55	136	20
	4,4'-DDT	18.8	0	17.6	ug/kg	94		3		50	141	20
	Methoxychlor	18.8	0	16.6	ug/kg	88		2		52	143	20
	Endrin ketone	18.8	0	18.0	ug/kg	96		1		55	136	20
	Endrin aldehyde	18.8	0	18.5	ug/kg	98		3		35	137	20
	alpha-Chlordane	18.8	0	19.0	ug/kg	101		1		54	133	20
	gamma-Chlordane	18.8	0	18.8	ug/kg	100		1		53	135	20
Client Sample ID: Q2266-01MSD (Column 2)	WC-3MSD											
	alpha-BHC	18.8	0	18.2	ug/kg	97		1		45	137	20
	beta-BHC	18.8	0	18.2	ug/kg	97		1		50	136	20
	delta-BHC	18.8	0	18.4	ug/kg	98		1		47	139	20
	gamma-BHC (Lindane)	18.8	0	18.1	ug/kg	96		0		49	135	20
	Heptachlor	18.8	0	17.2	ug/kg	91		0		47	136	20
	Aldrin	18.8	0	18.2	ug/kg	97		1		45	136	20
	Heptachlor epoxide	18.8	0	18.0	ug/kg	96		1		52	136	20
	Endosulfan I	18.8	0	18.0	ug/kg	96		1		53	132	20
	Dieldrin	18.8	0	17.7	ug/kg	94		1		56	136	20
	4,4'-DDE	18.8	0	17.8	ug/kg	95		1		56	134	20
	Endrin	18.8	0	17.5	ug/kg	93		1		57	140	20
	Endosulfan II	18.8	0	17.6	ug/kg	94		2		53	134	20
	4,4'-DDD	18.8	0	17.3	ug/kg	92		1		56	139	20
	Endosulfan sulfate	18.8	0	17.2	ug/kg	91		1		55	136	20
	4,4'-DDT	18.8	0	16.8	ug/kg	89		2		50	141	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2259</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Nobis Group</u>	DataFile :	<u>PD088886.D</u>

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Q2266-01MSD (Column 2)	Methoxychlor	18.8	0	16.3	ug/kg	87		2		52	143	20
	Endrin ketone	18.8	0	17.3	ug/kg	92		2		55	136	20
	Endrin aldehyde	18.8	0	17.2	ug/kg	91		1		35	137	20
	alpha-Chlordane	18.8	0	18.2	ug/kg	97		1		54	133	20
	gamma-Chlordane	18.8	0	18.3	ug/kg	97		1		53	135	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2259</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Nobis Group</u>	Datafile :	<u>PD088857.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB168350BS (Column 1)	alpha-BHC	16.65	17.6	ug/kg	106				45	137		
	beta-BHC	16.65	17.3	ug/kg	104				50	136		
	delta-BHC	16.65	18.8	ug/kg	113				47	139		
	gamma-BHC (Lindane)	16.65	17.5	ug/kg	105				49	135		
	Heptachlor	16.65	17.9	ug/kg	108				47	136		
	Aldrin	16.65	17.8	ug/kg	107				45	136		
	Heptachlor epoxide	16.65	17.7	ug/kg	106				52	136		
	Endosulfan I	16.65	17.7	ug/kg	106				53	132		
	Dieldrin	16.65	17.8	ug/kg	107				56	136		
	4,4'-DDE	16.65	18.2	ug/kg	109				56	134		
	Endrin	16.65	17.6	ug/kg	106				57	140		
	Endosulfan II	16.65	17.6	ug/kg	106				53	134		
	4,4'-DDD	16.65	18.7	ug/kg	112				56	139		
	Endosulfan sulfate	16.65	17.8	ug/kg	107				55	136		
	4,4'-DDT	16.65	18.1	ug/kg	109				50	141		
	Methoxychlor	16.65	17.7	ug/kg	106				52	143		
	Endrin ketone	16.65	18.1	ug/kg	109				55	136		
	Endrin aldehyde	16.65	17.2	ug/kg	103				35	137		
	alpha-Chlordane	16.65	17.8	ug/kg	107				54	133		
	gamma-Chlordane	16.65	17.6	ug/kg	106				53	135		
PB168350BS (Column 2)	alpha-BHC	16.65	16.4	ug/kg	98				45	137		
	beta-BHC	16.65	16.2	ug/kg	97				50	136		
	delta-BHC	16.65	16.6	ug/kg	100				47	139		
	gamma-BHC (Lindane)	16.65	16.5	ug/kg	99				49	135		
	Heptachlor	16.65	16.3	ug/kg	98				47	136		
	Aldrin	16.65	16.5	ug/kg	99				45	136		
	Heptachlor epoxide	16.65	16.4	ug/kg	98				52	136		
	Endosulfan I	16.65	16.7	ug/kg	100				53	132		
	Dieldrin	16.65	16.6	ug/kg	100				56	136		
	4,4'-DDE	16.65	16.5	ug/kg	99				56	134		
	Endrin	16.65	16.3	ug/kg	98				57	140		
	Endosulfan II	16.65	16.7	ug/kg	100				53	134		
	4,4'-DDD	16.65	16.9	ug/kg	102				56	139		
	Endosulfan sulfate	16.65	16.7	ug/kg	100				55	136		
	4,4'-DDT	16.65	16.7	ug/kg	100				50	141		
	Methoxychlor	16.65	16.5	ug/kg	99				52	143		
	Endrin ketone	16.65	17.2	ug/kg	103				55	136		
	Endrin aldehyde	16.65	16.1	ug/kg	97				35	137		
	alpha-Chlordane	16.65	16.5	ug/kg	99				54	133		
	gamma-Chlordane	16.65	16.7	ug/kg	100				53	135		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168350BL

Lab Name: CHEMTECH

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259

SAS No.: Q2259 SDG NO.: Q2259

Lab Sample ID: PB168350BL

Lab File ID: PD088856.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 06/09/2025

Date Analyzed (1): 06/10/2025

Date Analyzed (2): 06/10/2025

Time Analyzed (1): 12:14

Time Analyzed (2): 12:14

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
PB168350BS	PB168350BS	PD088857.D	06/10/2025	06/10/2025
WC-3MS	Q2266-01MS	PD088885.D	06/10/2025	06/10/2025
WC-3MSD	Q2266-01MSD	PD088886.D	06/10/2025	06/10/2025
OU4-PCS-TC-36-060525	Q2259-01	PD088911.D	06/11/2025	06/11/2025
OU4-PCS-TC-37-060525	Q2259-03	PD088912.D	06/11/2025	06/11/2025

COMMENTS: _____



SAMPLE DATA

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Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-36-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	94.3
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	10000
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088911.D	1	06/09/25 09:11	06/11/25 12:09	PB168350

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00035	U	0.00014	0.00035	0.0018	mg/Kg
319-85-7	beta-BHC	0.00088	U	0.00019	0.00088	0.0018	mg/Kg
319-86-8	delta-BHC	0.00088	U	0.00041	0.00088	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
76-44-8	Heptachlor	0.00035	U	0.00013	0.00035	0.0018	mg/Kg
309-00-2	Aldrin	0.00035	U	0.00013	0.00035	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00088	U	0.00020	0.00088	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
60-57-1	Dieldrin	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
72-20-8	Endrin	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00088	U	0.00031	0.00088	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00035	U	0.00016	0.00035	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00035	U	0.00014	0.00035	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00088	U	0.00039	0.00088	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00088	U	0.00020	0.00088	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00088	U	0.00039	0.00088	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00035	U	0.00013	0.00035	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00035	U	0.00016	0.00035	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0057	0.018	0.035	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	25.0		55 - 130		125%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.8		42 - 129		129%	SPK: 20

Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-36-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	94.3
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088911.D	1	06/09/25 09:11	06/11/25 12:09	PB168350

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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\PD061125\
Data File : PD088911.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 12:09
Operator : AR\AJ
Sample : Q2259-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-36-060525

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 07:39:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.553	2.879	55777298	341.0E6	25.778	22.540
28) SA Decachlor...	9.078	8.073	85525113	425.0E6	24.990	23.279

Target Compounds

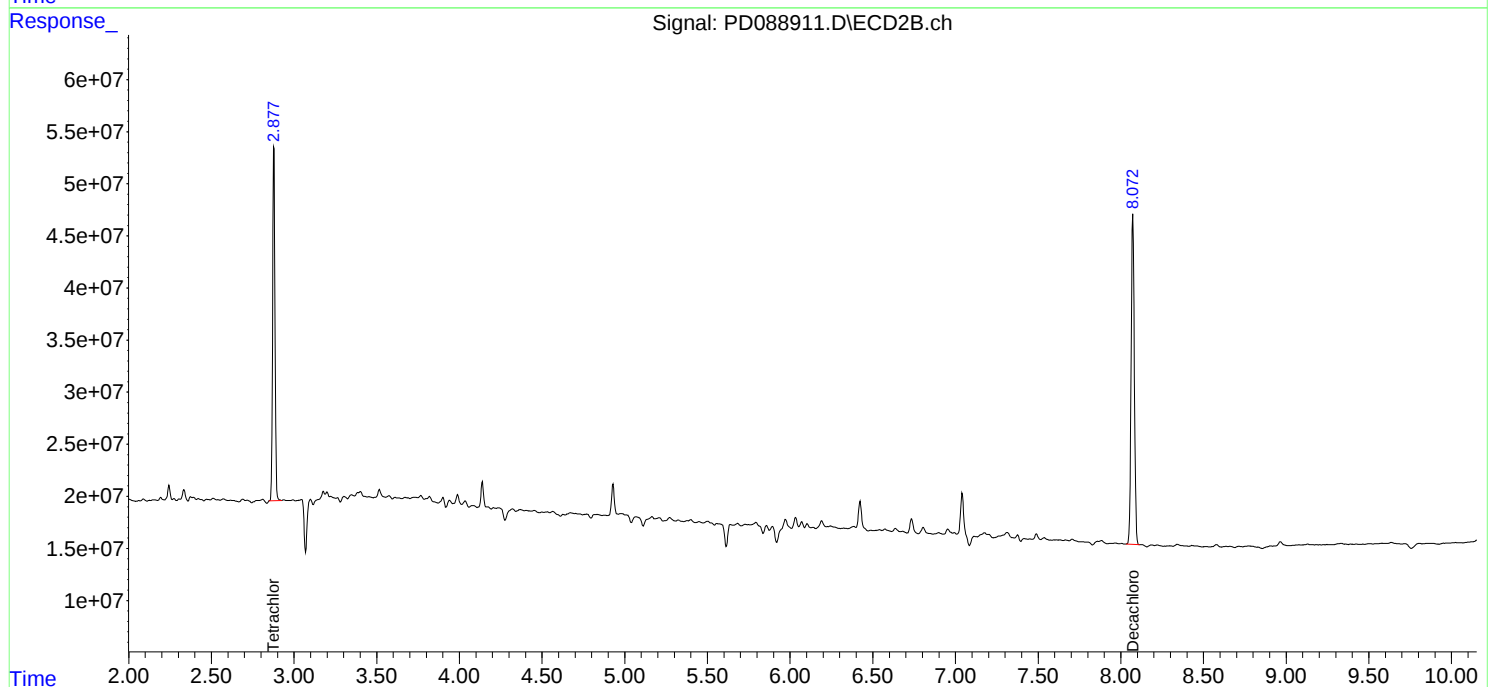
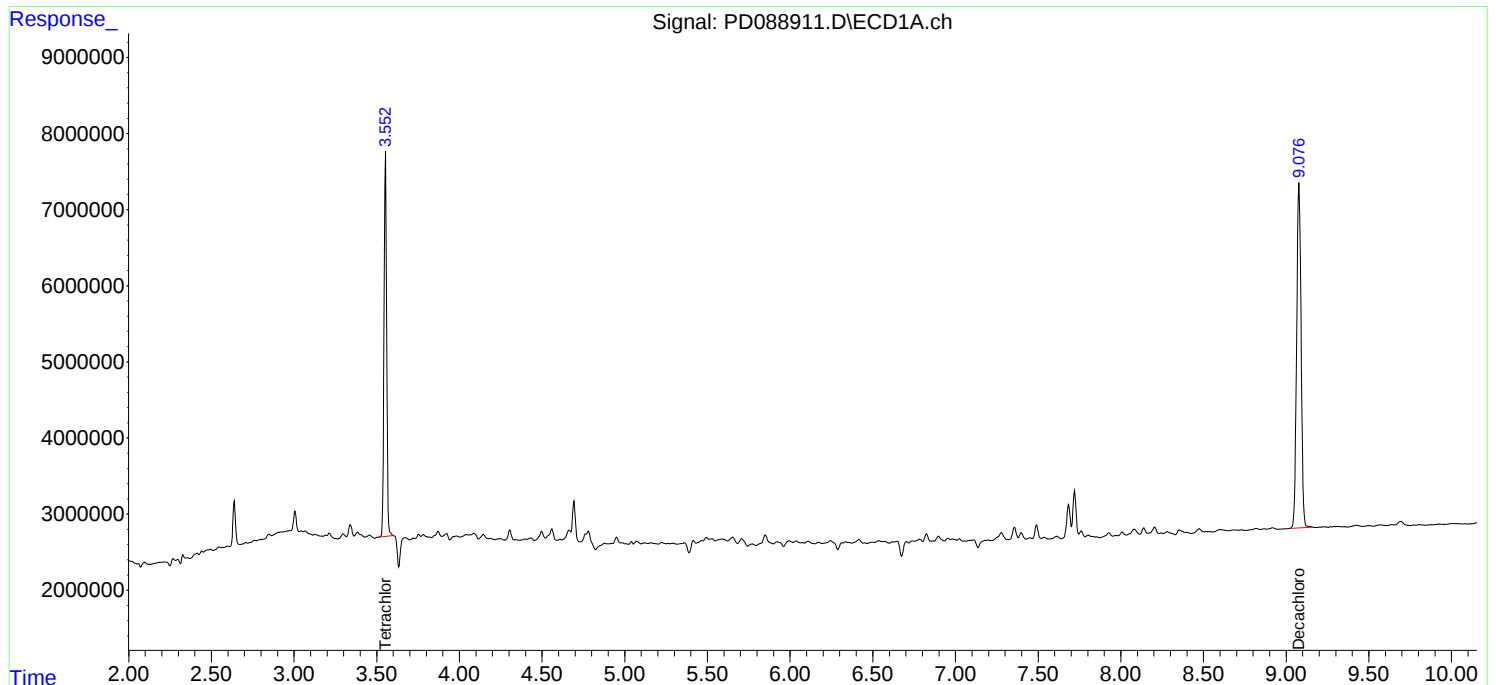
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

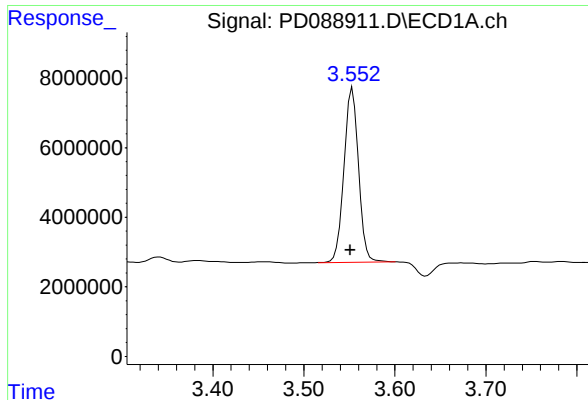
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061125\
Data File : PD088911.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 12:09
Operator : AR\AJ
Sample : Q2259-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-36-060525

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 07:39:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

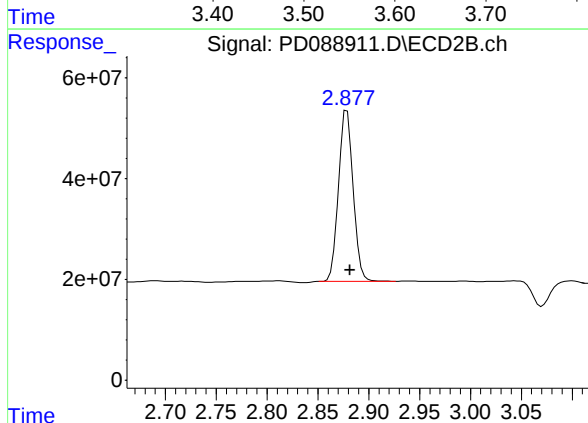




#1 Tetrachloro-m-xylene

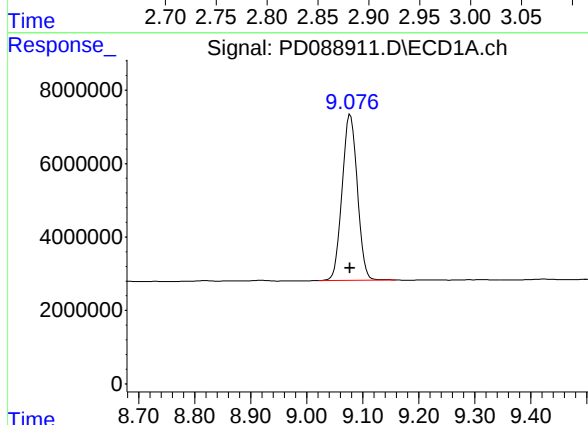
R.T.: 3.553 min
Delta R.T.: 0.002 min
Response: 55777298
Conc: 25.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-36-060525



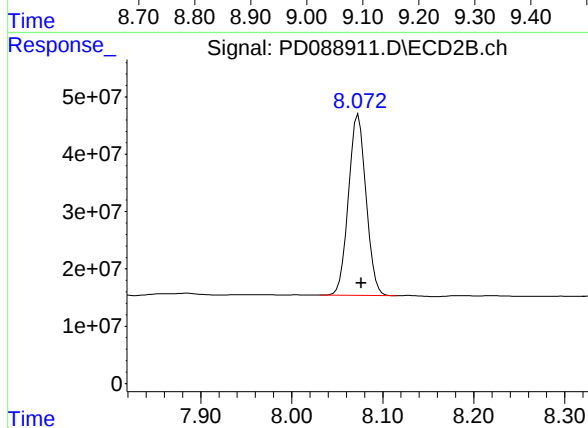
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.003 min
Response: 340955869
Conc: 22.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.078 min
Delta R.T.: 0.000 min
Response: 85525113
Conc: 24.99 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.073 min
Delta R.T.: -0.003 min
Response: 424989293
Conc: 23.28 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-37-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	94.3
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088912.D	1	06/09/25 09:11	06/11/25 12:22	PB168350

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00035	U	0.00014	0.00035	0.0018	mg/Kg
319-85-7	beta-BHC	0.00088	U	0.00019	0.00088	0.0018	mg/Kg
319-86-8	delta-BHC	0.00088	U	0.00041	0.00088	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
76-44-8	Heptachlor	0.00035	U	0.00013	0.00035	0.0018	mg/Kg
309-00-2	Aldrin	0.00035	U	0.00013	0.00035	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00088	U	0.00020	0.00088	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
60-57-1	Dieldrin	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
72-20-8	Endrin	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00088	U	0.00031	0.00088	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00035	U	0.00016	0.00035	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00035	U	0.00014	0.00035	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00033	J	0.00015	0.00035	0.0018	mg/Kg
72-43-5	Methoxychlor	0.0029		0.00039	0.00088	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00088	U	0.00020	0.00088	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00088	U	0.00039	0.00088	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00035	U	0.00013	0.00035	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00035	U	0.00016	0.00035	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0057	0.018	0.035	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.4		55 - 130		107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.5		42 - 129		112%	SPK: 20

Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-37-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	94.3 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088912.D	1	06/09/25 09:11	06/11/25 12:22	PB168350

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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\PD061125\
 Data File : PD088912.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Jun 2025 12:22
 Operator : AR\AJ
 Sample : Q2259-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 OU4-PCS-TC-37-060525

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 06/12/2025
 Supervised By : mohammad ahmed 06/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 12 07:39:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.548	2.880	48668472	302.1E6	22.493	19.971
28) SA Decachlor...	9.072	8.072	73242855	368.5E6	21.401	20.186
Target Compounds						
17) MA 4,4'-DDT	7.022	6.185	1267145	17026762	0.406	0.939 #
20) A Methoxychlor	7.490	6.751	11706761	78086184	7.008m	8.155m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061125\
Data File : PD088912.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 12:22
Operator : AR\AJ
Sample : Q2259-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

OU4-PCS-TC-37-060525

Manual Integrations

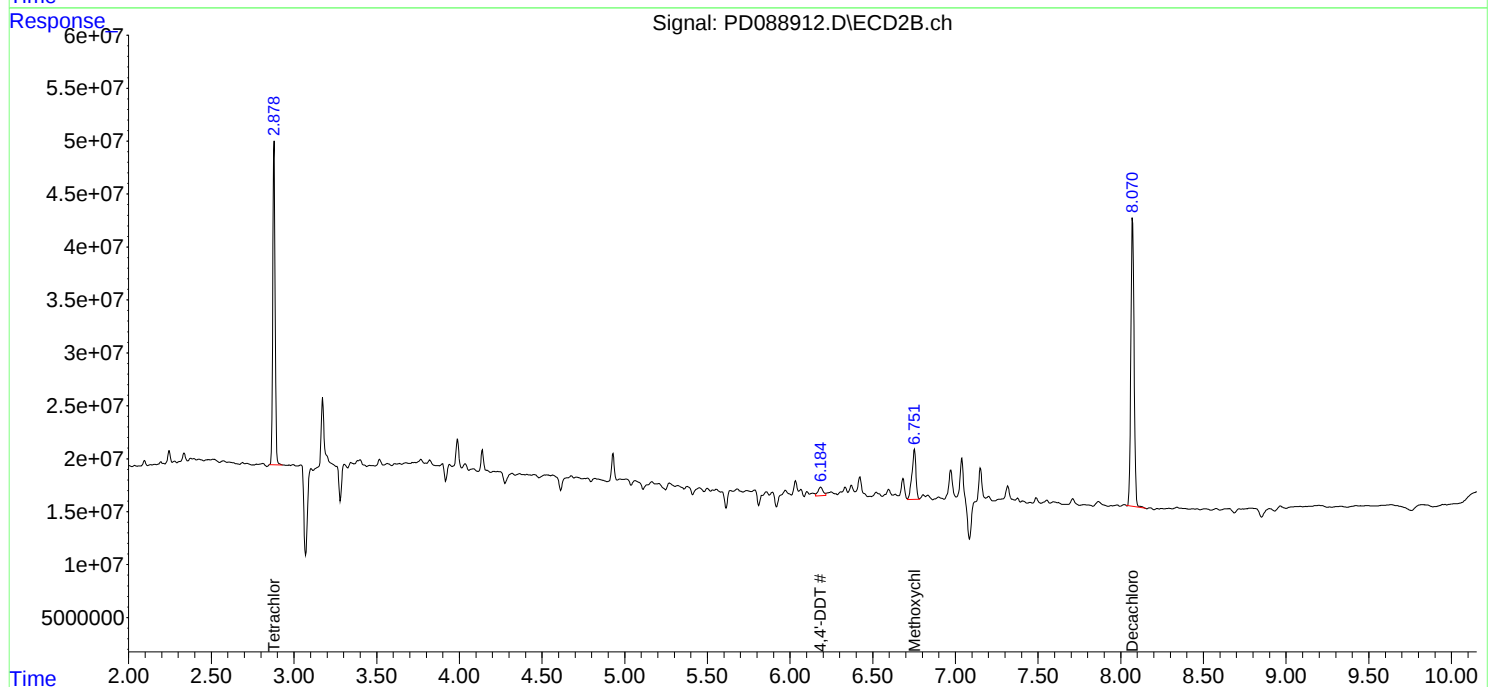
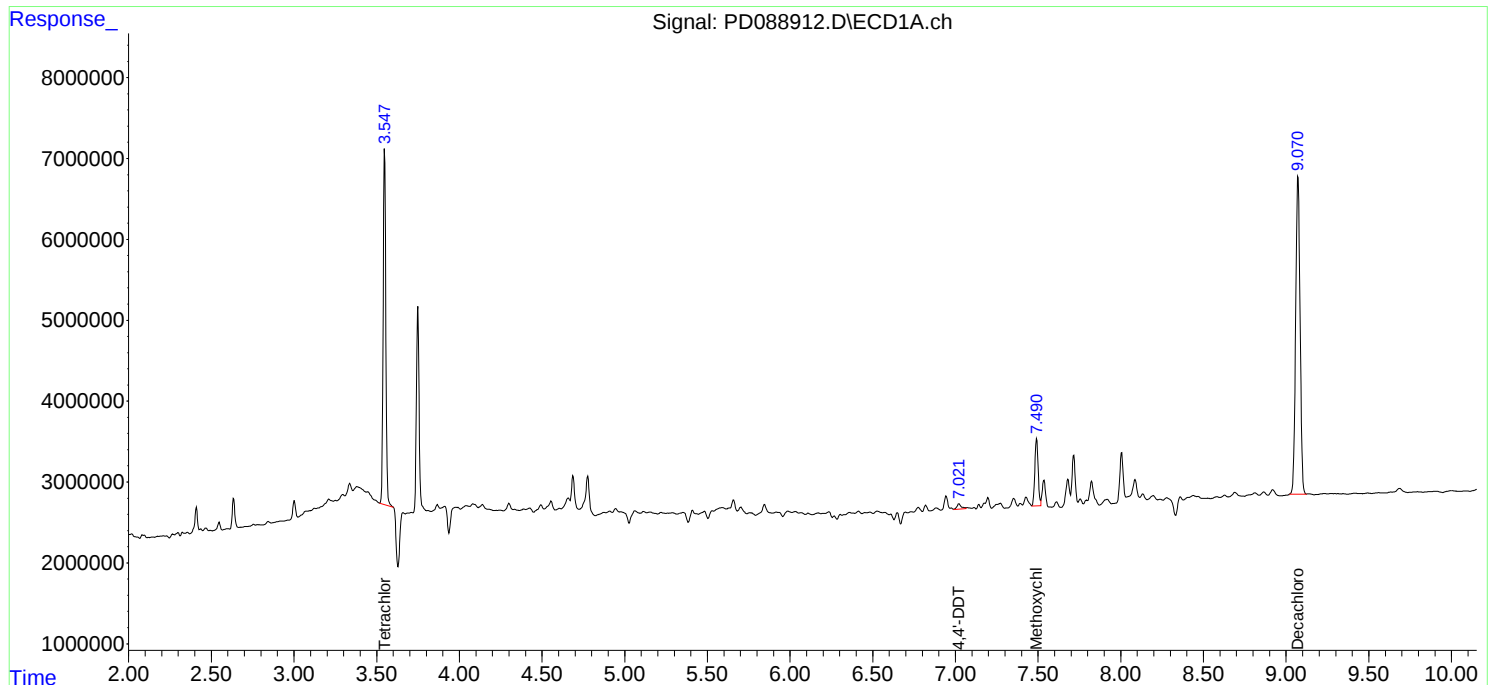
APPROVED

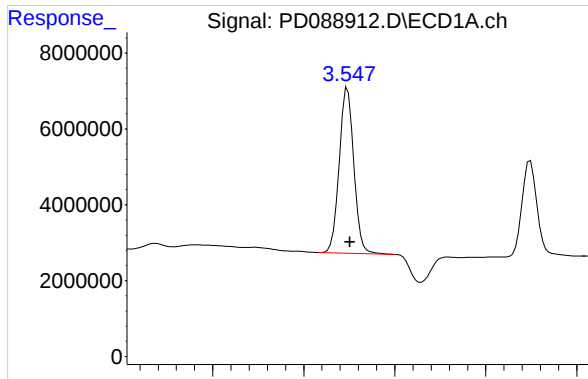
Reviewed By :Abdul Mirza 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 07:39:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





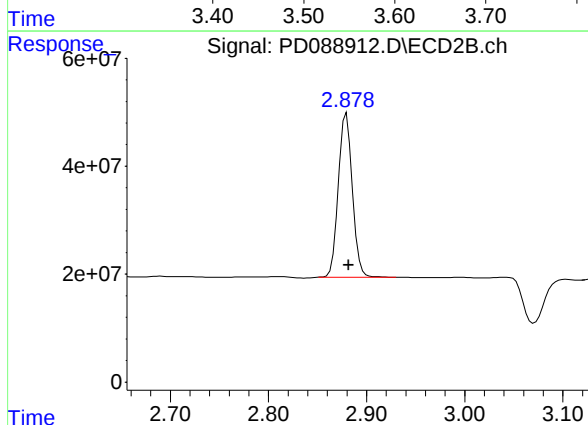
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: -0.003 min
Response: 48668472
Conc: 22.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-37-060525

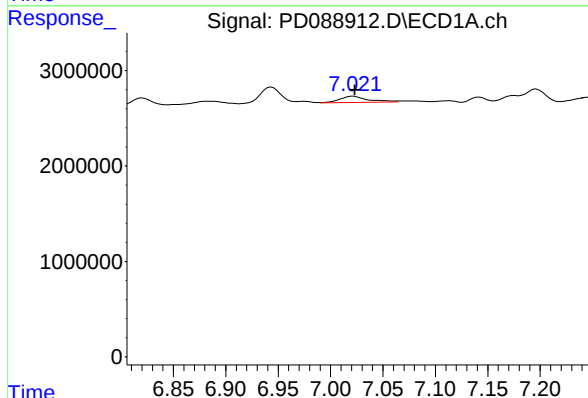
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



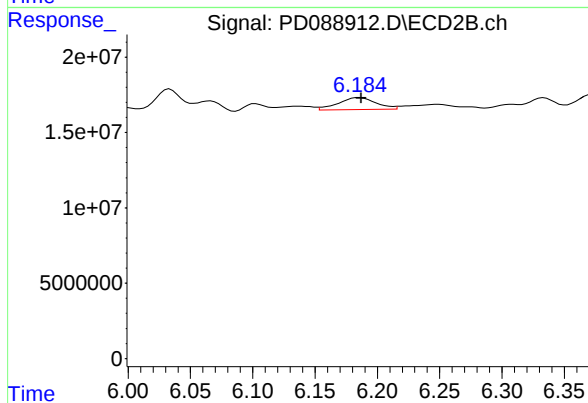
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.002 min
Response: 302105303
Conc: 19.97 ng/ml



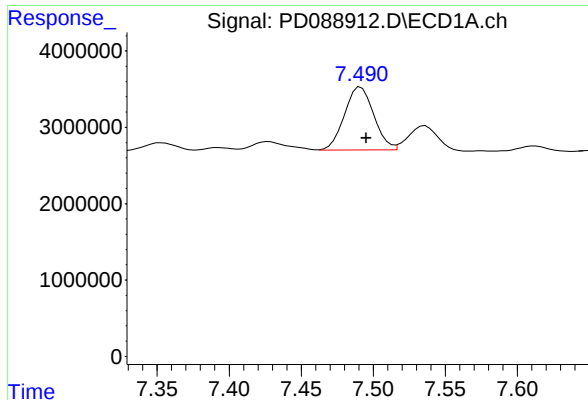
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: -0.001 min
Response: 1267145
Conc: 0.41 ng/ml



#17 4,4'-DDT

R.T.: 6.185 min
Delta R.T.: -0.002 min
Response: 17026762
Conc: 0.94 ng/ml



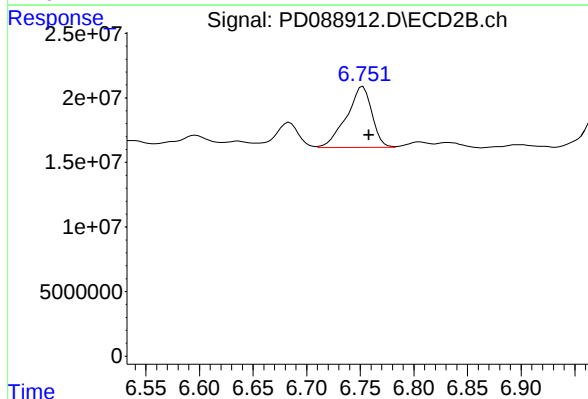
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: -0.005 min
Response: 11706761
Conc: 7.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-37-060525

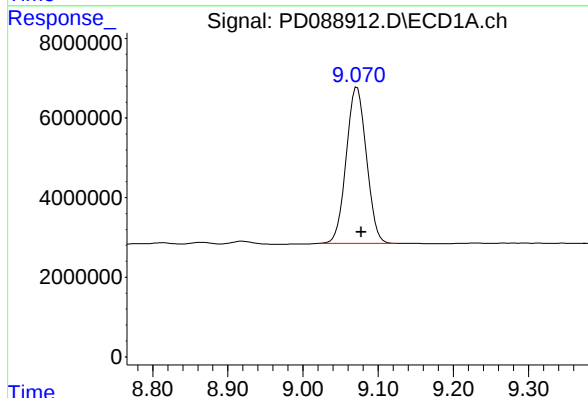
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



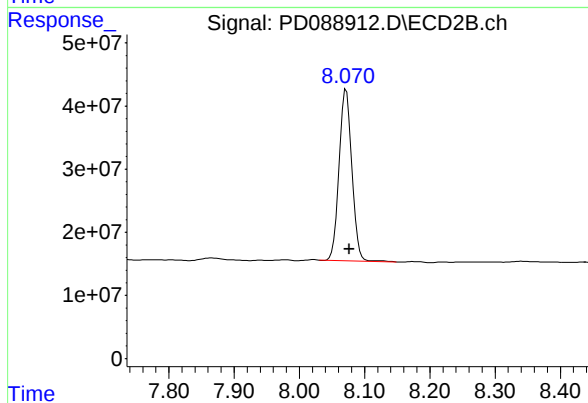
#20 Methoxychlor

R.T.: 6.751 min
Delta R.T.: -0.007 min
Response: 78086184
Conc: 8.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.005 min
Response: 73242855
Conc: 21.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: -0.005 min
Response: 368523969
Conc: 20.19 ng/ml



CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: NOBI03
Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259
Instrument ID: ECD_D **Calibration Date(s):** 05/19/2025 05/19/2025
Calibration Times: 11:31 12:25

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

LAB FILE ID: **RT 100 =** PD088586.D **RT 075 =** PD088587.D
RT 050 = PD088588.D **RT 025 =** PD088589.D **RT 005 =** PD088590.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.20	6.20	6.20	6.20	6.20	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	4.52	4.42	4.62
Decachlorobiphenyl	9.08	9.08	9.08	9.08	9.08	9.08	8.98	9.18
delta-BHC	4.77	4.77	4.77	4.77	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	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
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	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Endrin aldehyde	6.92	6.92	6.92	6.92	6.92	6.92	6.82	7.02
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	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Tetrachloro-m-xylene	3.55	3.55	3.55	3.55	3.55	3.55	3.45	3.65

RETENTION TIMES OF INITIAL CALIBRATION

Contract: NOBI03
Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259
Instrument ID: ECD_D **Calibration Date(s):** 05/19/2025 05/19/2025
Calibration Times: 11:31 12:25

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

LAB FILE ID:	RT 100 = <u>PD088586.D</u>	RT 075 = <u>PD088587.D</u>
RT 050 = <u>PD088588.D</u>	RT 025 = <u>PD088589.D</u>	RT 005 = <u>PD088590.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	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	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
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	3.40	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	8.08	8.08	8.08	8.08	8.08	8.08	7.98	8.18
delta-BHC	4.26	4.26	4.26	4.26	4.26	4.26	4.16	4.36
Dieldrin	5.52	5.52	5.52	5.52	5.52	5.52	5.42	5.62
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	6.49	6.49	6.49	6.49	6.49	6.49	6.39	6.59
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	7.00	7.00	7.00	7.00	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	4.09	4.08	4.09	4.09	4.08	4.08	3.98	4.18
Heptachlor epoxide	4.88	4.88	4.88	4.88	4.87	4.87	4.77	4.97
Methoxychlor	6.76	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Tetrachloro-m-xylene	2.88	2.88	2.88	2.88	2.88	2.88	2.78	2.98

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03
Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259
Instrument ID: ECD_D
Calibration Date(s): 05/19/2025 05/19/2025
Calibration Times: 11:31 12:25

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

LAB FILE ID:		CF 100 = <u>PD088586.D</u>		CF 075 = <u>PD088587.D</u>			
CF 050 = <u>PD088588.D</u>		CF 025 = <u>PD088589.D</u>		CF 005 = <u>PD088590.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2914090000	2799000000	2779180000	2710870000	2722370000	2785100000	3
4,4'-DDE	3774980000	3611130000	3587930000	3472130000	3500730000	3589380000	3
4,4'-DDT	3259380000	3125810000	3123770000	3049470000	3051770000	3122040000	3
Aldrin	4596320000	4382320000	4371060000	4250500000	4372370000	4394520000	3
alpha-BHC	5243840000	4927900000	4847290000	4558490000	4305310000	4776570000	8
alpha-Chlordane	4076620000	3927960000	3953820000	3921900000	4151070000	4006270000	3
beta-BHC	1766090000	1717900000	1760360000	1812740000	1958690000	1803160000	5
Decachlorobiphenyl	3171750000	3154190000	3328750000	3504210000	3952750000	3422330000	10
delta-BHC	4581340000	4301280000	4227770000	4018060000	4002280000	4226150000	6
Dieldrin	4168640000	3995190000	3987890000	3911690000	3995230000	4011730000	2
Endosulfan I	3801350000	3677400000	3708760000	3706130000	3920970000	3762920000	3
Endosulfan II	3424800000	3321140000	3361490000	3381320000	3729210000	3443590000	5
Endosulfan sulfate	3185730000	3096410000	3144570000	3175940000	3412700000	3203070000	4
Endrin	3544350000	3400630000	3391880000	3322590000	3416420000	3415180000	2
Endrin aldehyde	2503120000	2458460000	2511530000	2573510000	2826400000	2574600000	6
Endrin ketone	3433620000	3341030000	3388420000	3397950000	3554790000	3423160000	2
gamma-BHC (Lindane)	4951240000	4675430000	4617130000	4438320000	4331460000	4602720000	5
gamma-Chlordane	4124290000	3949610000	3951400000	3878720000	4040730000	3988950000	2
Heptachlor	4681230000	4453430000	4445350000	4335710000	4440380000	4471220000	3
Heptachlor epoxide	4018350000	3865780000	3896760000	3892850000	4172720000	3969290000	3
Methoxychlor	1605530000	1584480000	1642420000	1697880000	1822460000	1670550000	6
Tetrachloro-m-xylene	2149340000	2072320000	2122010000	2161140000	2313950000	2163750000	4

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03
Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259
Instrument ID: ECD_D
Calibration Date(s): 05/19/2025 05/19/2025
Calibration Times: 11:31 12:25
GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID:		CF 100 = <u>PD088586.D</u>		CF 075 = <u>PD088587.D</u>			
CF 050 = <u>PD088588.D</u>		CF 025 = <u>PD088589.D</u>		CF 005 = <u>PD088590.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	16063600000	16170400000	16726900000	17873500000	20127100000	17392300000	10
4,4'-DDE	19308600000	19422500000	20046800000	21437600000	24298000000	20902700000	10
4,4'-DDT	17279500000	17314500000	17782900000	18728300000	19581500000	18137300000	6
Aldrin	20429300000	20424000000	21187100000	22461000000	25147900000	21929900000	9
alpha-BHC	22814100000	22470400000	23262900000	24245000000	26726300000	23903700000	7
alpha-Chlordane	19049500000	19079200000	19770800000	21135500000	24089000000	20624800000	10
beta-BHC	8864520000	8872030000	9302460000	10011600000	11658900000	9741890000	12
Decachlorobiphenyl	16504300000	16618500000	17317300000	18707400000	22133900000	18256300000	13
delta-BHC	21126000000	20875000000	21573100000	22598000000	25298500000	22294100000	8
Dieldrin	19383000000	19454300000	20211700000	21634500000	24536100000	21043900000	10
Endosulfan I	17297300000	17455200000	18206500000	19567700000	22365500000	18978400000	11
Endosulfan II	16670500000	16849700000	17581300000	18878300000	21629100000	18321800000	11
Endosulfan sulfate	16098100000	16280100000	16999000000	18309500000	21092700000	17755900000	12
Endrin	17557800000	17708400000	18459500000	19851800000	22842600000	19284000000	11
Endrin aldehyde	12431500000	12681500000	13251800000	14445500000	16833500000	13928800000	13
Endrin ketone	17469300000	17778800000	18605700000	20062800000	22820400000	19347400000	11
gamma-BHC (Lindane)	21035300000	20781600000	21450400000	22534500000	25026800000	22165700000	8
gamma-Chlordane	19824600000	19800200000	20463700000	21793000000	24778500000	21332000000	10
Heptachlor	20762900000	20801500000	21647900000	23011300000	26050900000	22454900000	10
Heptachlor epoxide	18126800000	18251100000	19076900000	20442600000	23459100000	19871300000	11
Methoxychlor	8571980000	8801040000	9285240000	10058400000	11157300000	9574790000	11
Tetrachloro-m-xylene	14104900000	13970700000	14552300000	15457700000	17548700000	15126900000	10



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

Instrument ID: ECD_D Date(s) Analyzed: 05/19/2025 05/19/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.24	6.14	6.34	26389700
		2	6.44	6.34	6.54	38119600
		3	7.15	7.05	7.25	72288300
		4	7.57	7.47	7.67	91412700
		5	7.93	7.83	8.03	52259600



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

Instrument ID: ECD_D Date(s) Analyzed: 05/19/2025 05/19/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.48	5.38	5.58	139231000
		2	5.65	5.55	5.75	94078800
		3	6.76	6.66	6.86	437083000
		4	7.20	7.10	7.30	311285000
		5	7.33	7.23	7.43	216975000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088586.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:31
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: May 19 12:44:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 12:41:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	214.9E6	1410.5E6	100.640	98.439
28) SA Decachlor...	9.076	8.076	317.2E6	1650.4E6	97.585	97.596
Target Compounds						
2) A alpha-BHC	4.000	3.394	524.4E6	2281.4E6	103.930	99.026
3) MA gamma-BHC...	4.331	3.731	495.1E6	2103.5E6	103.492	99.023
4) MA Heptachlor	4.931	4.085	468.1E6	2076.3E6	102.584	97.913
5) MB Aldrin	5.273	4.371	459.6E6	2042.9E6	102.512	98.179
6) B beta-BHC	4.516	4.027	176.6E6	886.5E6	100.163	97.589
7) B delta-BHC	4.765	4.264	458.1E6	2112.6E6	104.014	98.953
8) B Heptachlo...	5.693	4.875	401.8E6	1812.7E6	101.536	97.446
9) A Endosulfan I	6.077	5.250	380.1E6	1729.7E6	101.233	97.439
10) B gamma-Chl...	5.948	5.128	412.4E6	1982.5E6	102.141	98.414
11) B alpha-Chl...	6.029	5.193	407.7E6	1904.9E6	101.529	98.142
12) B 4,4'-DDE	6.198	5.378	377.5E6	1930.9E6	102.541	98.124
13) MA Dieldrin	6.349	5.515	416.9E6	1938.3E6	102.216	97.907
14) MA Endrin	6.576	5.792	354.4E6	1755.8E6	102.198	97.496
15) B Endosulfa...	6.788	6.083	342.5E6	1667.1E6	100.933	97.341
16) A 4,4'-DDD	6.707	5.932	291.4E6	1606.4E6	102.370	97.977
17) MA 4,4'-DDT	7.023	6.187	325.9E6	1728.0E6	102.124	98.564
18) B Endrin al...	6.917	6.261	250.3E6	1243.2E6	99.832	96.806
19) B Endosulfa...	7.152	6.485	318.6E6	1609.8E6	100.650	97.278
20) A Methoxychlor	7.495	6.757	160.6E6	857.2E6	98.864	96.006
21) B Endrin ke...	7.632	6.994	343.4E6	1746.9E6	100.663	96.850
22) Mirex	8.117	7.189	240.8E6	1351.3E6	97.999	96.782

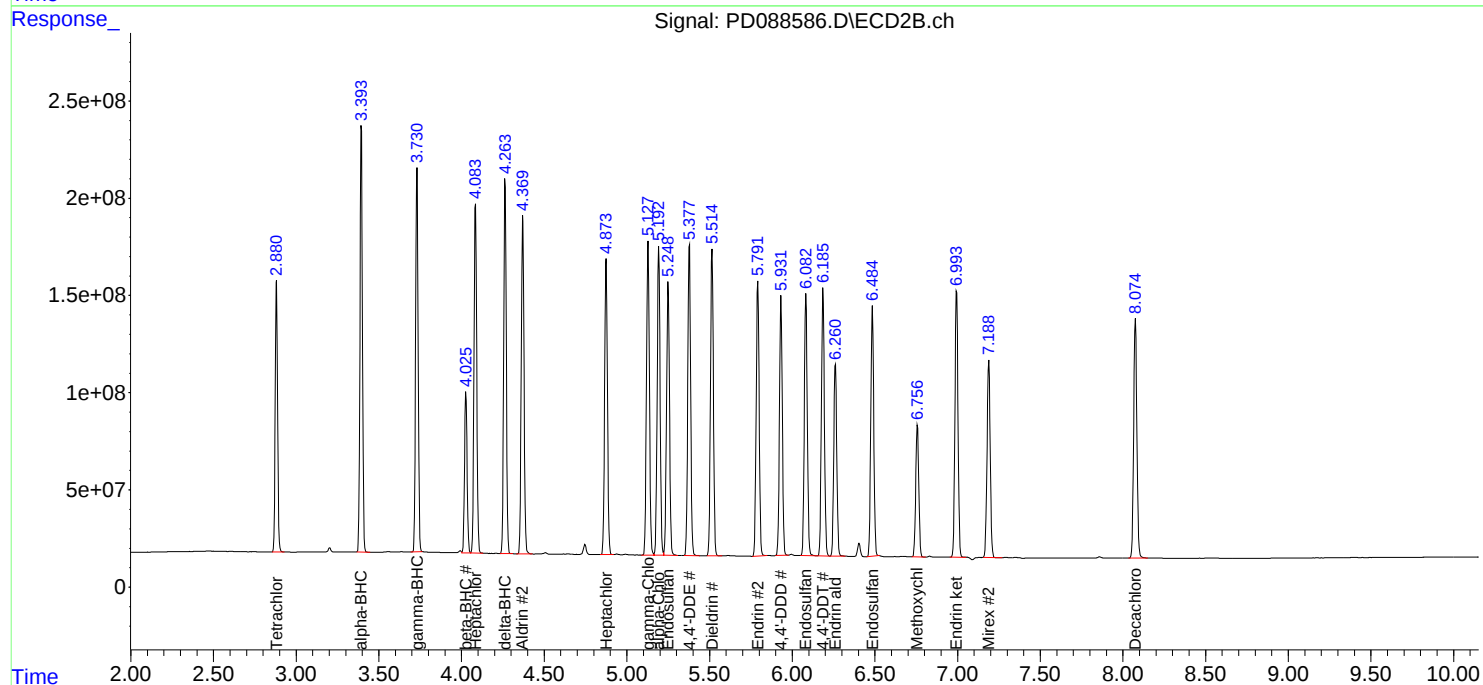
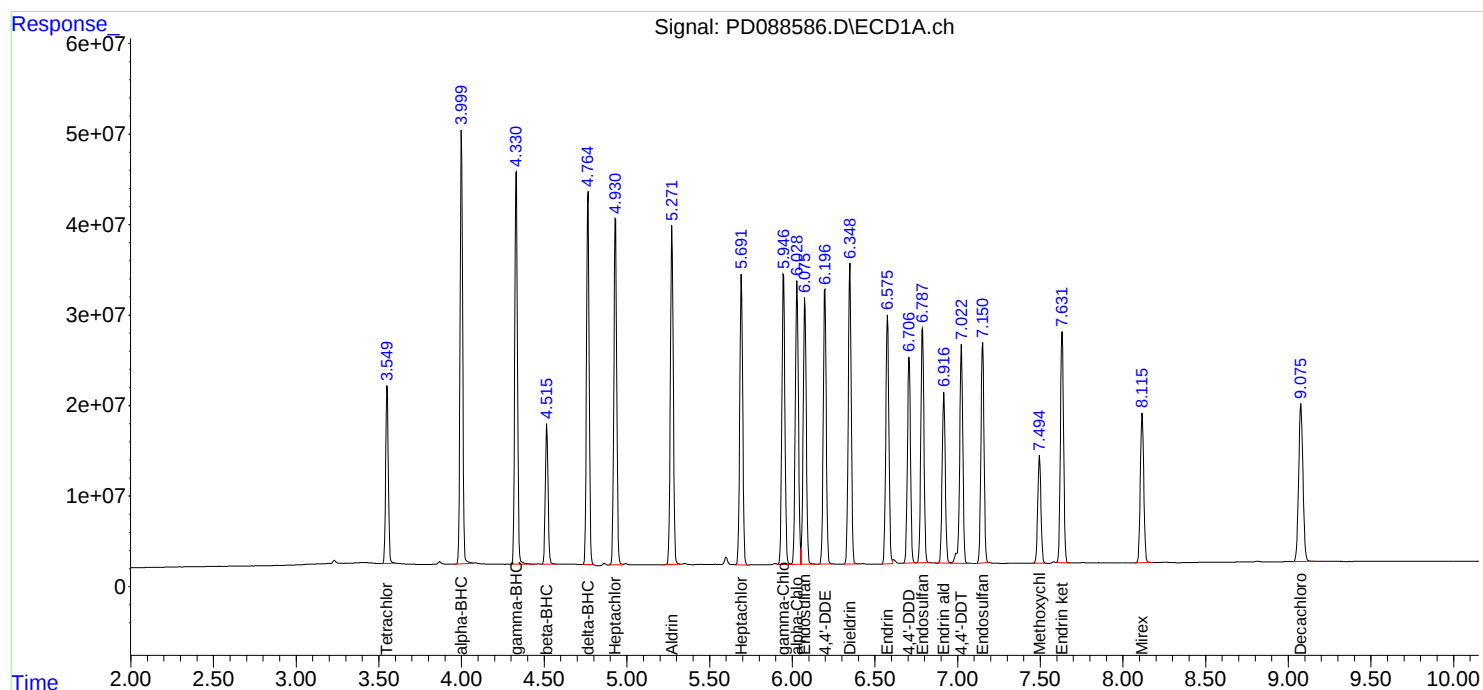
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

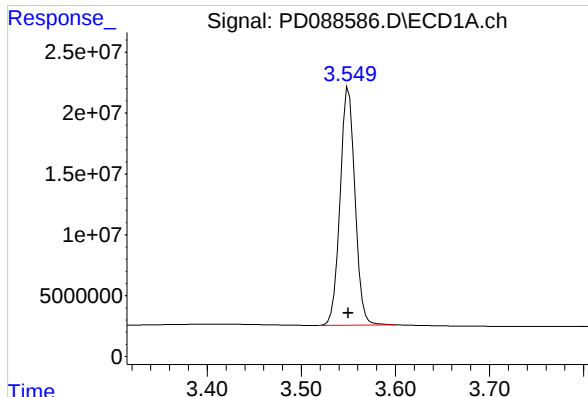
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088586.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:31
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:44:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 12:41:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

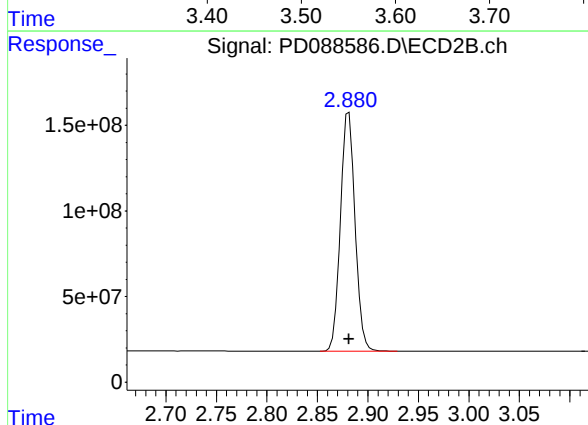




#1 Tetrachloro-m-xylene

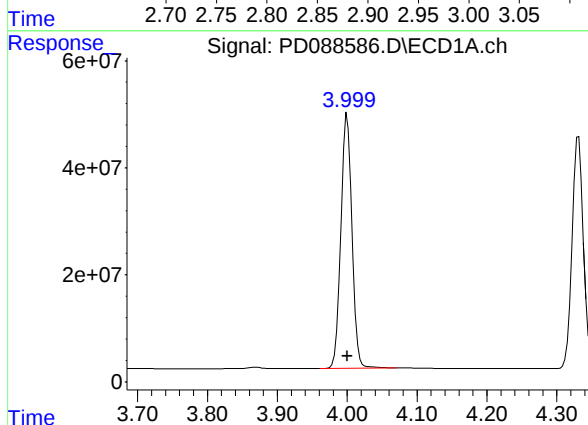
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 214933507
Conc: 100.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



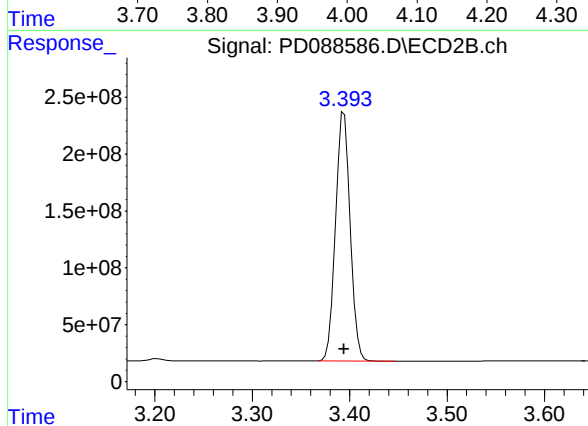
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 1410491055
Conc: 98.44 ng/ml



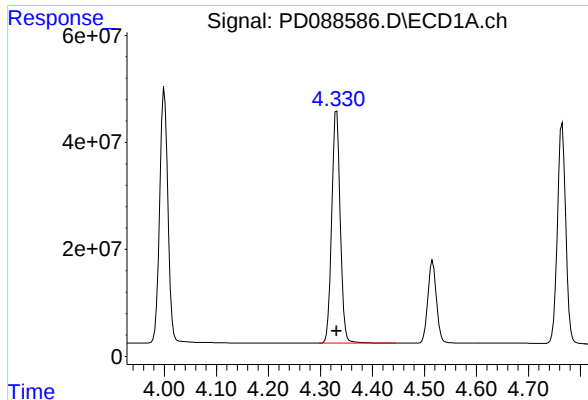
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 524383770
Conc: 103.93 ng/ml



#2 alpha-BHC

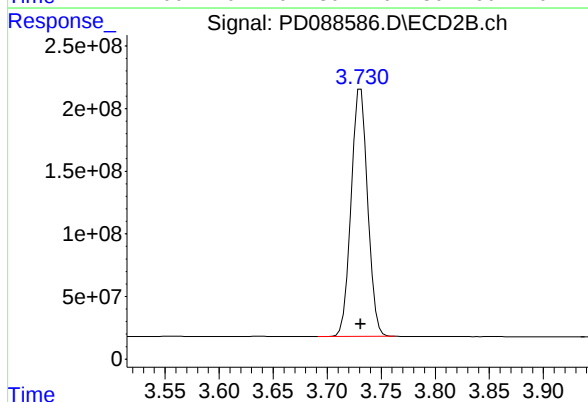
R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 2281405491
Conc: 99.03 ng/ml



#3 gamma-BHC (Lindane)

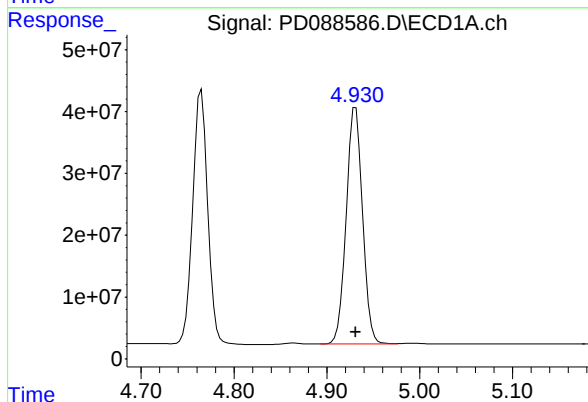
R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 495123747
Conc: 103.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



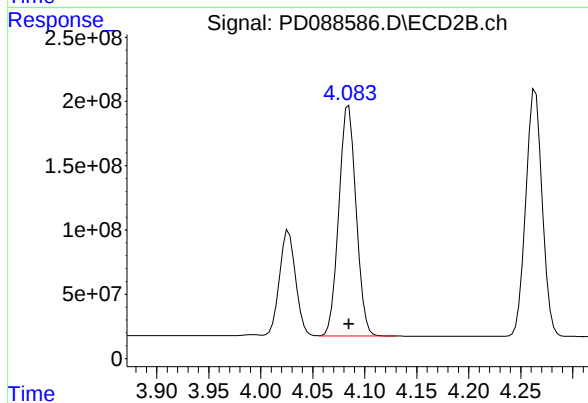
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.000 min
Response: 2103526537
Conc: 99.02 ng/ml



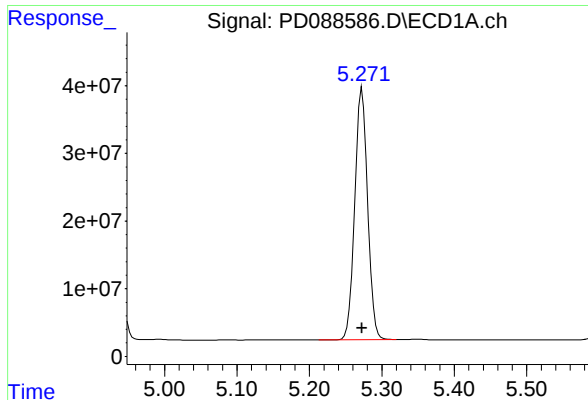
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 468122825
Conc: 102.58 ng/ml



#4 Heptachlor

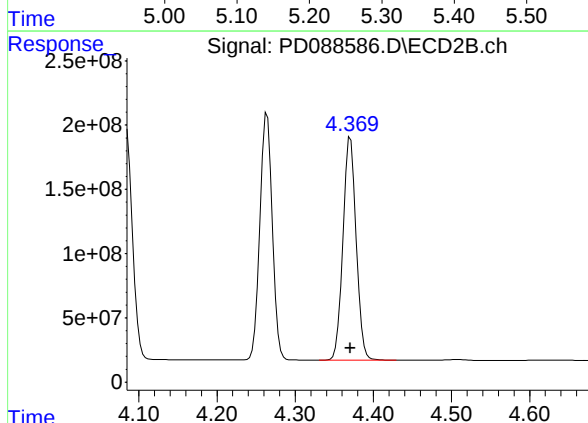
R.T.: 4.085 min
Delta R.T.: 0.000 min
Response: 2076285185
Conc: 97.91 ng/ml



#5 Aldrin

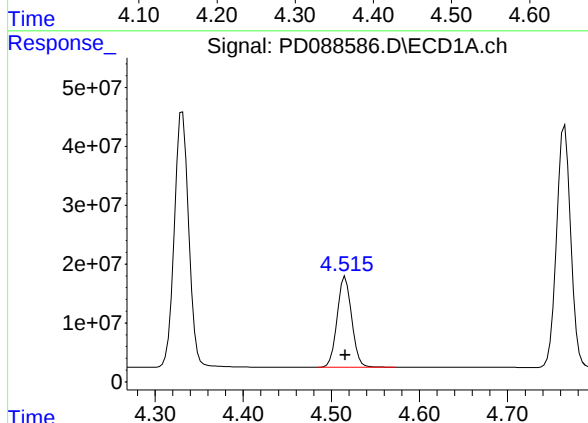
R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 459632325
Conc: 102.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



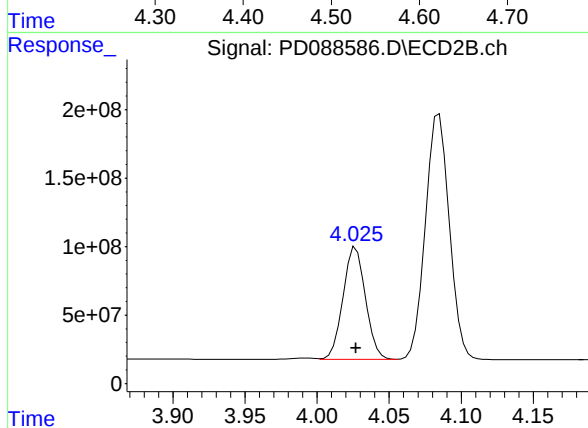
#5 Aldrin

R.T.: 4.371 min
Delta R.T.: 0.000 min
Response: 2042933624
Conc: 98.18 ng/ml



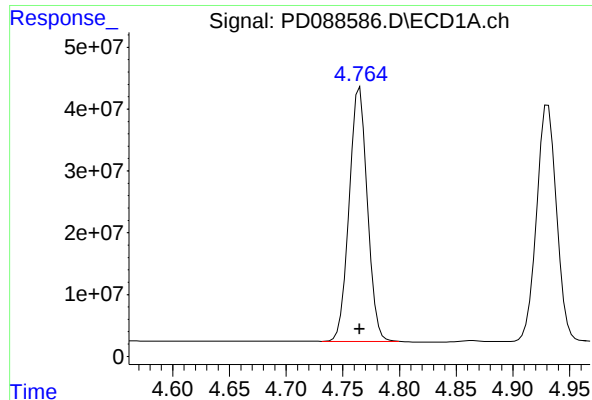
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 176609110
Conc: 100.16 ng/ml



#6 beta-BHC

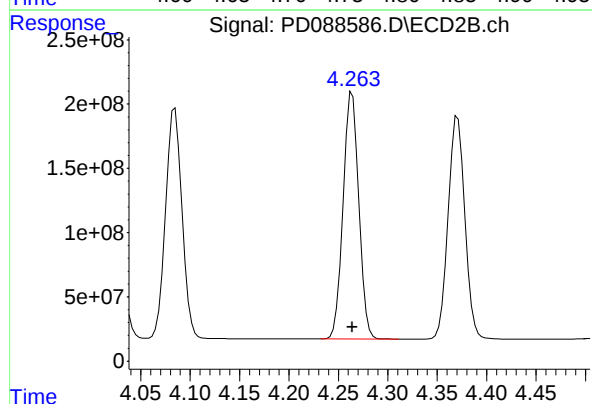
R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 886452440
Conc: 97.59 ng/ml



#7 delta-BHC

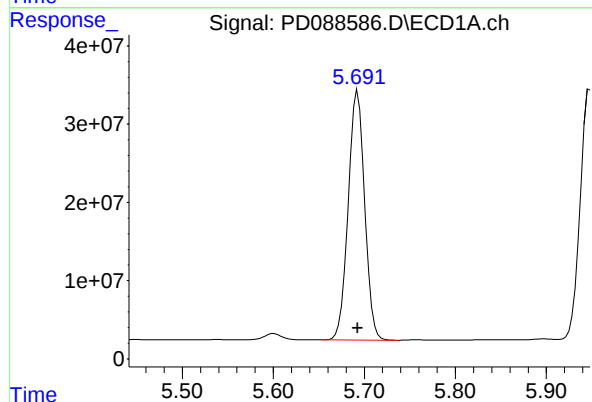
R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 458134491
Conc: 104.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



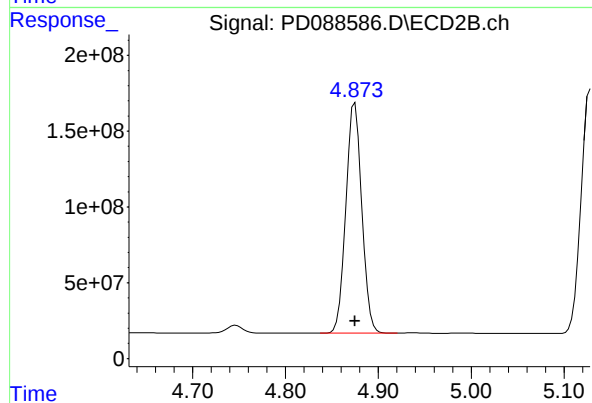
#7 delta-BHC

R.T.: 4.264 min
Delta R.T.: 0.000 min
Response: 2112595875
Conc: 98.95 ng/ml



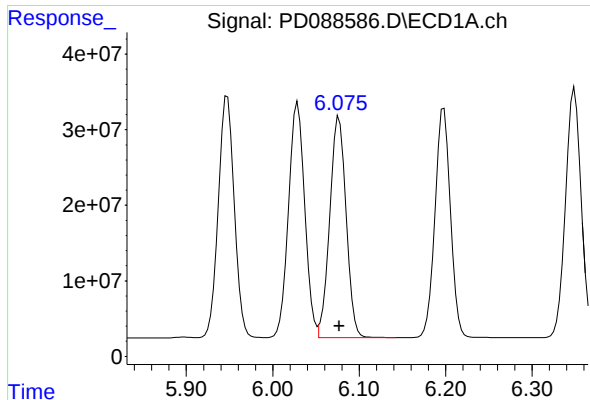
#8 Heptachlor epoxide

R.T.: 5.693 min
Delta R.T.: 0.000 min
Response: 401834605
Conc: 101.54 ng/ml



#8 Heptachlor epoxide

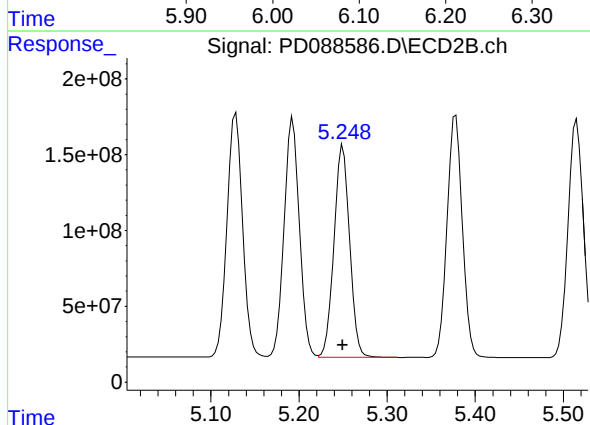
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 1812681918
Conc: 97.45 ng/ml



#9 Endosulfan I

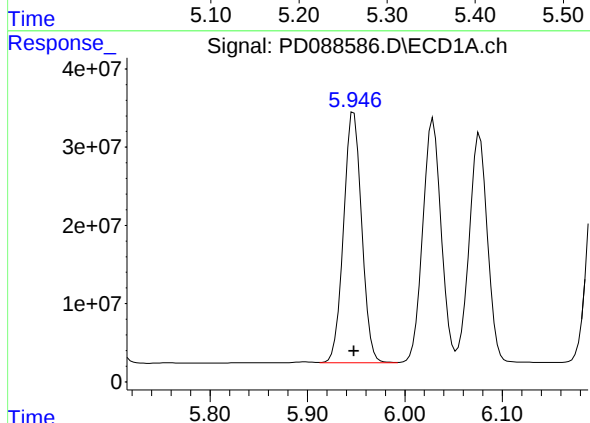
R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 380135184
Conc: 101.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



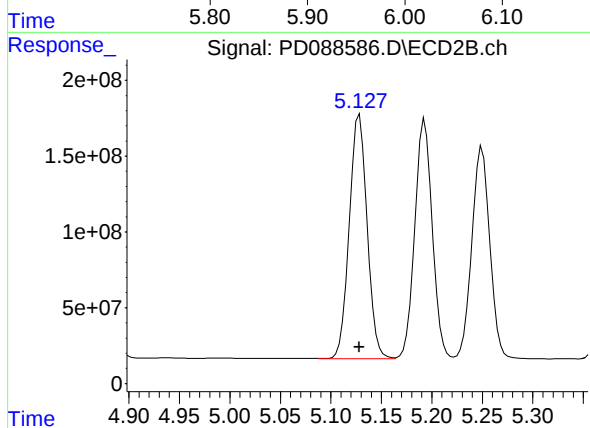
#9 Endosulfan I

R.T.: 5.250 min
Delta R.T.: 0.000 min
Response: 1729729348
Conc: 97.44 ng/ml



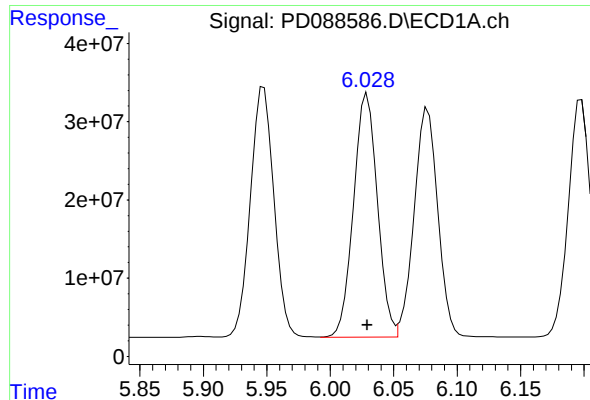
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 412429126
Conc: 102.14 ng/ml



#10 gamma-Chlordane

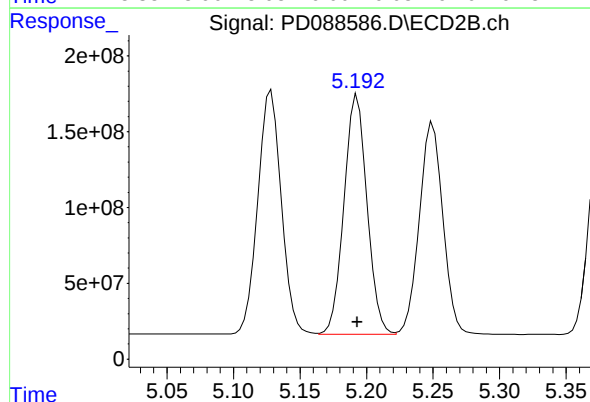
R.T.: 5.128 min
Delta R.T.: 0.000 min
Response: 1982458346
Conc: 98.41 ng/ml



#11 alpha-Chlordane

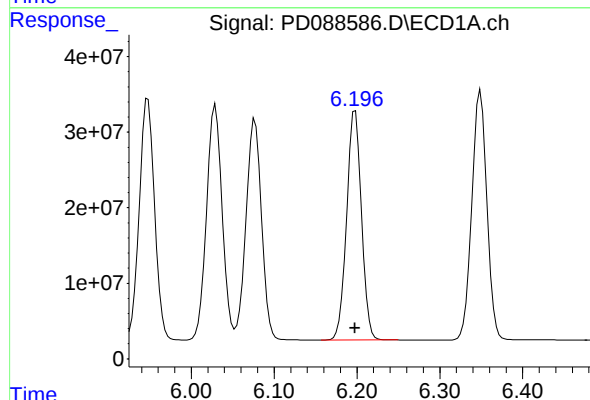
R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 407661917
Conc: 101.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



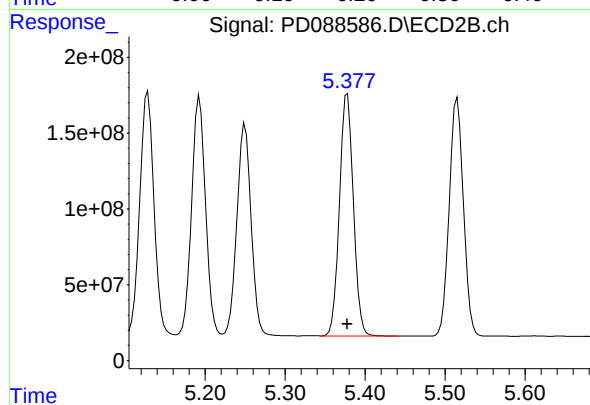
#11 alpha-Chlordane

R.T.: 5.193 min
Delta R.T.: 0.000 min
Response: 1904947790
Conc: 98.14 ng/ml



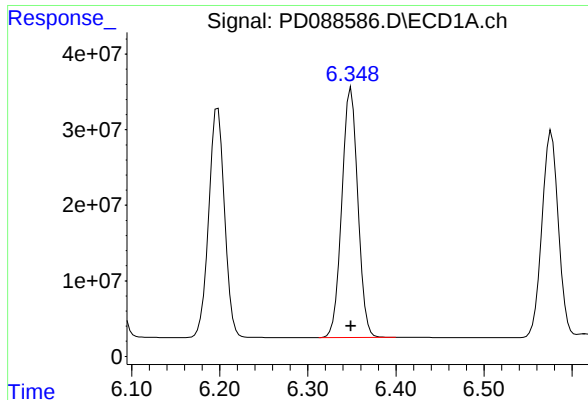
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.000 min
Response: 377498466
Conc: 102.54 ng/ml



#12 4,4'-DDE

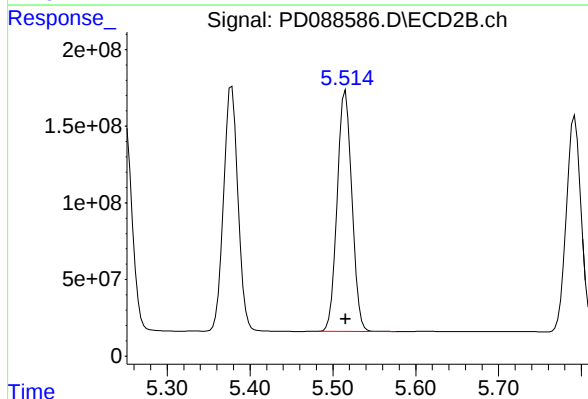
R.T.: 5.378 min
Delta R.T.: 0.000 min
Response: 1930863963
Conc: 98.12 ng/ml



#13 Dieldrin

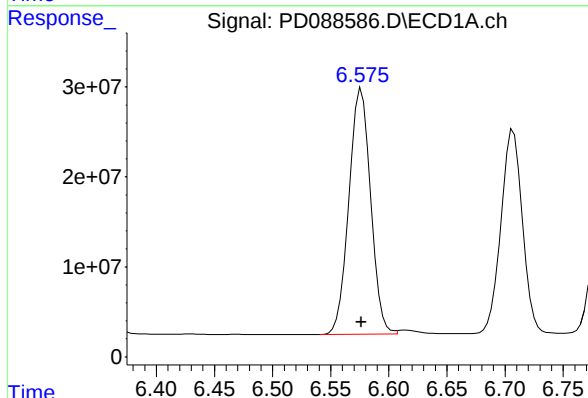
R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 416864139
Conc: 102.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



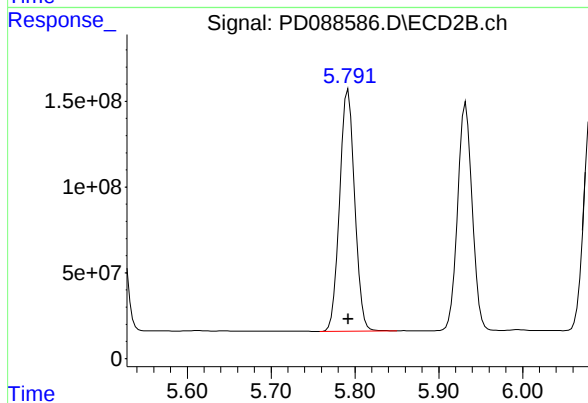
#13 Dieldrin

R.T.: 5.515 min
Delta R.T.: 0.000 min
Response: 1938299009
Conc: 97.91 ng/ml



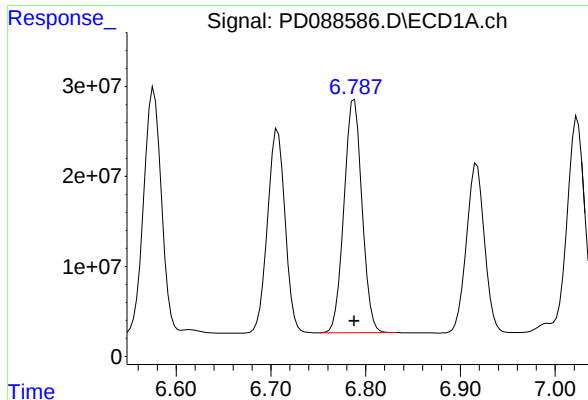
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 354435301
Conc: 102.20 ng/ml



#14 Endrin

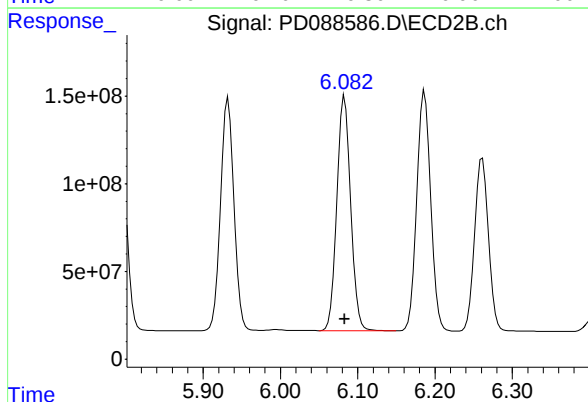
R.T.: 5.792 min
Delta R.T.: 0.000 min
Response: 1755775516
Conc: 97.50 ng/ml



#15 Endosulfan II

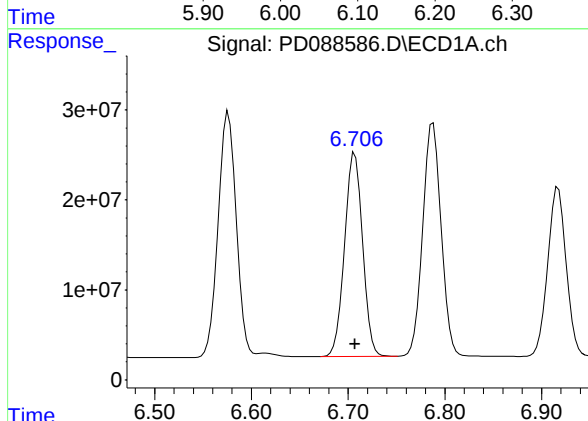
R.T.: 6.788 min
Delta R.T.: 0.000 min
Response: 342479976
Conc: 100.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



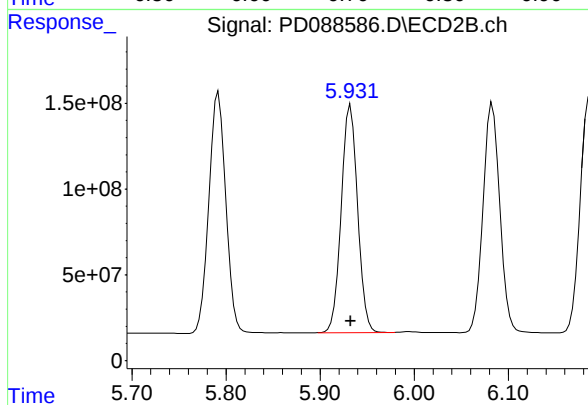
#15 Endosulfan II

R.T.: 6.083 min
Delta R.T.: 0.000 min
Response: 1667052246
Conc: 97.34 ng/ml



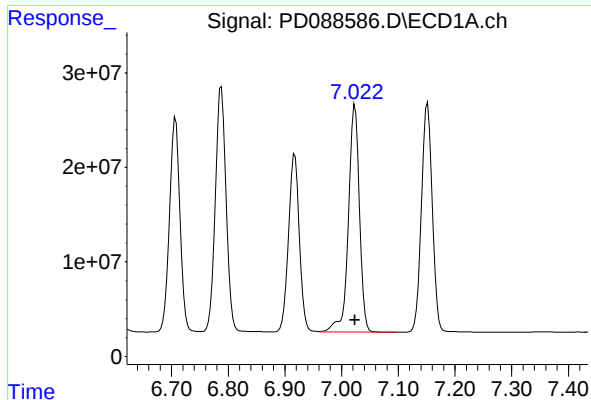
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 291408671
Conc: 102.37 ng/ml



#16 4,4'-DDD

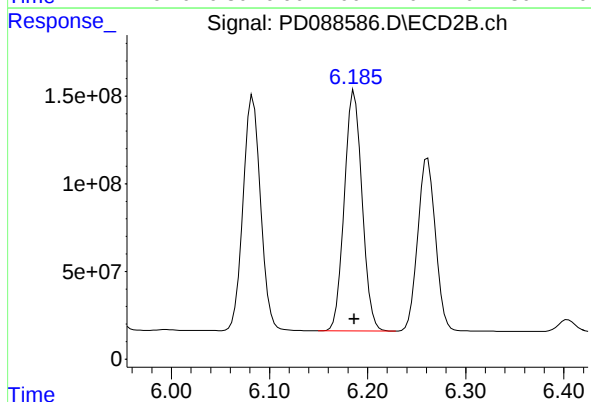
R.T.: 5.932 min
Delta R.T.: 0.000 min
Response: 1606361441
Conc: 97.98 ng/ml



#17 4,4'-DDT

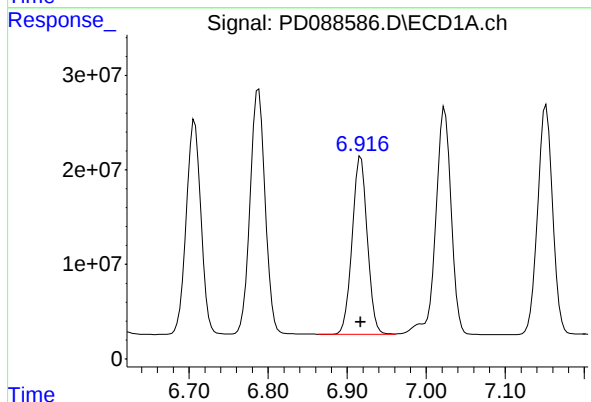
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 325937800
Conc: 102.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



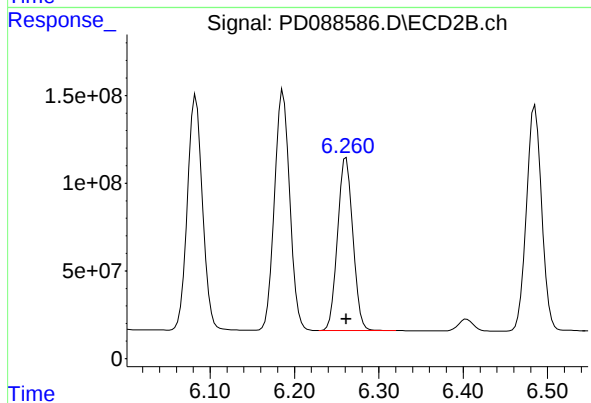
#17 4,4'-DDT

R.T.: 6.187 min
Delta R.T.: 0.000 min
Response: 1727951580
Conc: 98.56 ng/ml



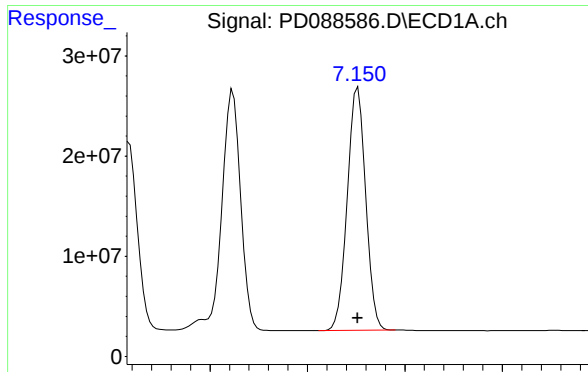
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.000 min
Response: 250311824
Conc: 99.83 ng/ml



#18 Endrin aldehyde

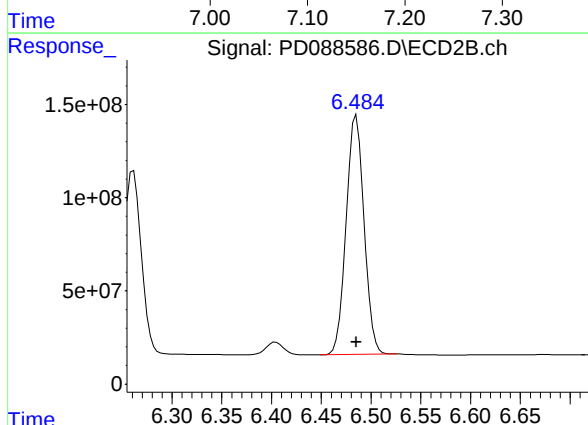
R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 1243151075
Conc: 96.81 ng/ml



#19 Endosulfan Sulfate

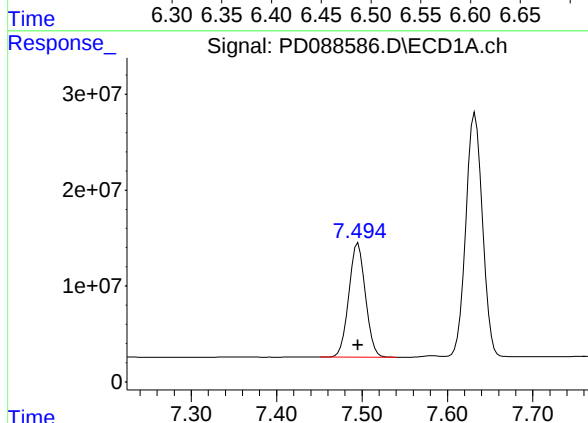
R.T.: 7.152 min
Delta R.T.: 0.000 min
Response: 318573310
Conc: 100.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



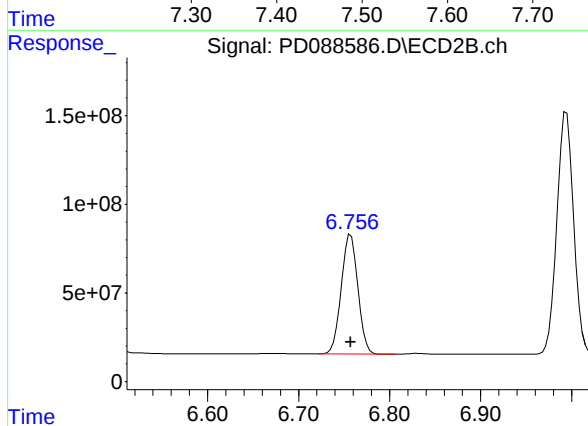
#19 Endosulfan Sulfate

R.T.: 6.485 min
Delta R.T.: 0.000 min
Response: 1609807606
Conc: 97.28 ng/ml



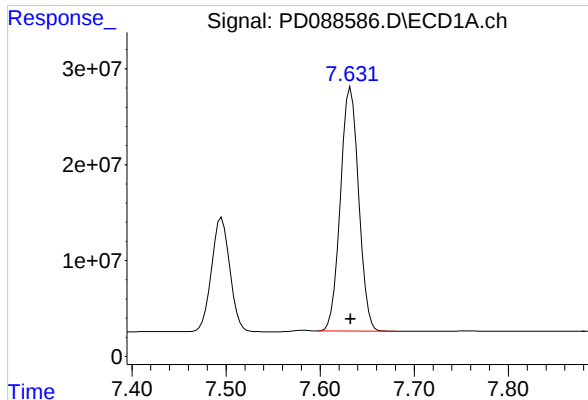
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 160552535
Conc: 98.86 ng/ml



#20 Methoxychlor

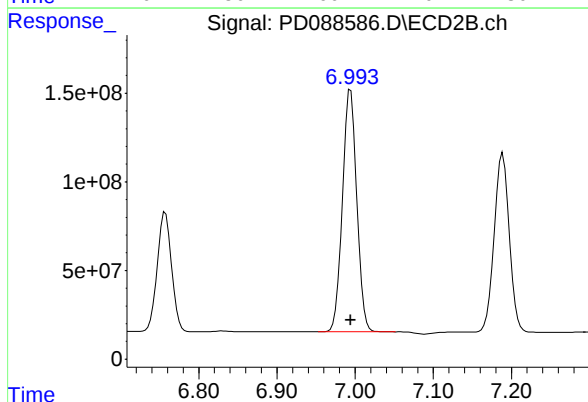
R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 857198352
Conc: 96.01 ng/ml



#21 Endrin ketone

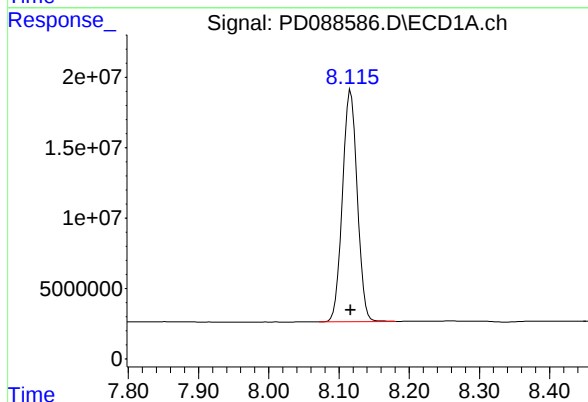
R.T.: 7.632 min
Delta R.T.: 0.000 min
Response: 343361845
Conc: 100.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



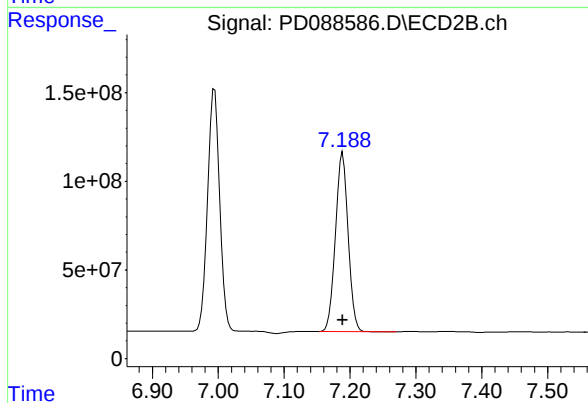
#21 Endrin ketone

R.T.: 6.994 min
Delta R.T.: 0.000 min
Response: 1746927961
Conc: 96.85 ng/ml



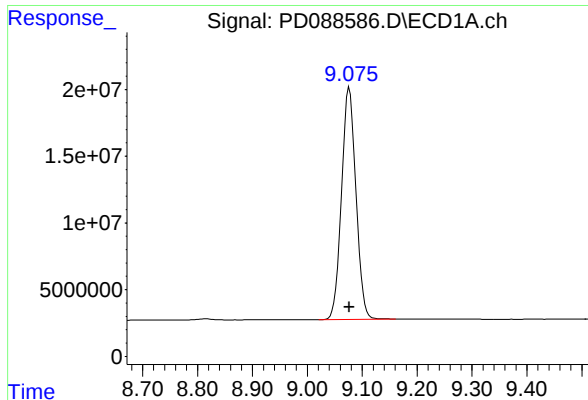
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 240795510
Conc: 98.00 ng/ml



#22 Mirex

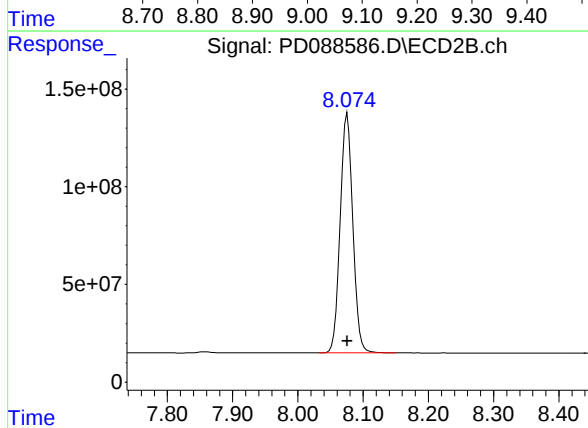
R.T.: 7.189 min
Delta R.T.: 0.000 min
Response: 1351317079
Conc: 96.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.076 min
Delta R.T.: 0.000 min
Response: 317174991
Conc: 97.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 1650432485
Conc: 97.60 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
 Data File : PD088587.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 11:45
 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: May 19 12:46:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 12:41:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	2.882	155.4E6	1047.8E6	73.502	73.741
28) SA Decachlor...	9.077	8.076	236.6E6	1246.4E6	73.507	74.131
Target Compounds						
2) A alpha-BHC	4.000	3.394	369.6E6	1685.3E6	73.825	73.757
3) MA gamma-BHC...	4.331	3.731	350.7E6	1558.6E6	73.855	73.906
4) MA Heptachlor	4.931	4.084	334.0E6	1560.1E6	73.787	74.042
5) MB Aldrin	5.273	4.371	328.7E6	1531.8E6	73.861	74.071
6) B beta-BHC	4.516	4.026	128.8E6	665.4E6	73.704	73.827
7) B delta-BHC	4.765	4.263	322.6E6	1565.6E6	73.818	73.880
8) B Heptachlo...	5.693	4.875	289.9E6	1368.8E6	73.832	74.051
9) A Endosulfan I	6.077	5.249	275.8E6	1309.1E6	73.959	74.160
10) B gamma-Chl...	5.948	5.128	296.2E6	1485.0E6	73.899	74.141
11) B alpha-Chl...	6.029	5.193	294.6E6	1430.9E6	73.906	74.143
12) B 4,4'-DDE	6.198	5.378	270.8E6	1456.7E6	74.039	74.349
13) MA Dieldrin	6.349	5.515	299.6E6	1459.1E6	73.975	74.129
14) MA Endrin	6.577	5.792	255.0E6	1328.1E6	74.021	74.162
15) B Endosulfa...	6.788	6.083	249.1E6	1263.7E6	73.931	74.189
16) A 4,4'-DDD	6.707	5.933	209.9E6	1212.8E6	74.159	74.311
17) MA 4,4'-DDT	7.023	6.186	234.4E6	1298.6E6	73.963	74.380
18) B Endrin al...	6.917	6.262	184.4E6	951.1E6	74.019	74.374
19) B Endosulfa...	7.151	6.485	232.2E6	1221.0E6	73.906	74.185
20) A Methoxychlor	7.495	6.757	118.8E6	660.1E6	73.774	74.282
21) B Endrin ke...	7.633	6.995	250.6E6	1333.4E6	73.967	74.279
22) Mirex	8.117	7.189	179.6E6	1033.8E6	73.718	74.359

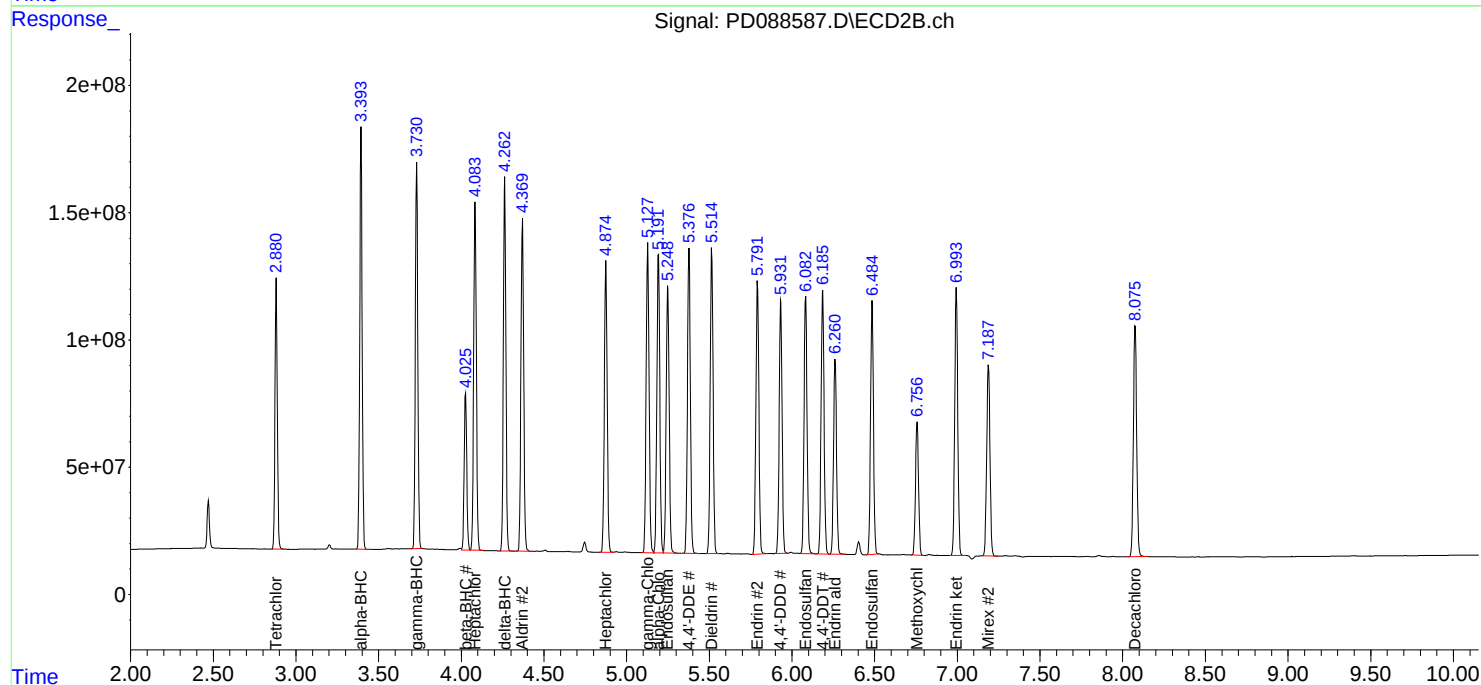
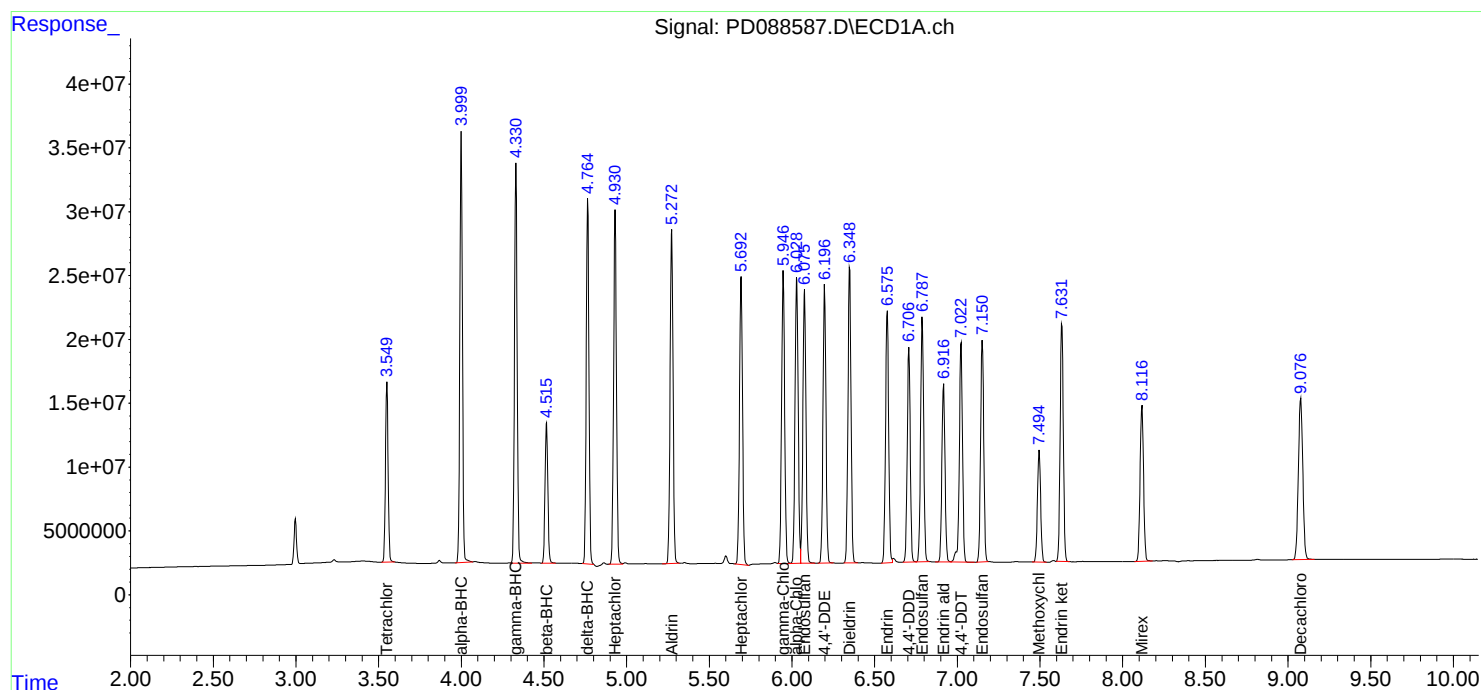
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

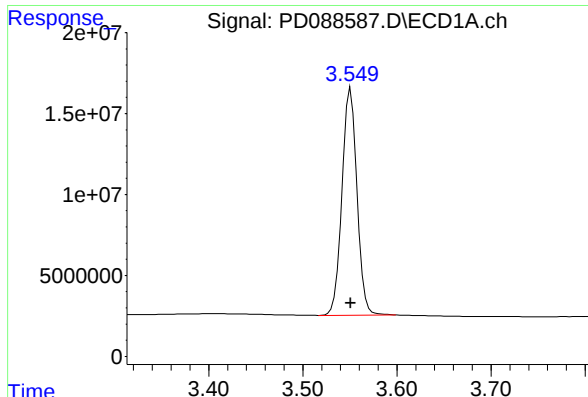
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088587.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:45
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:46:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 12:41:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

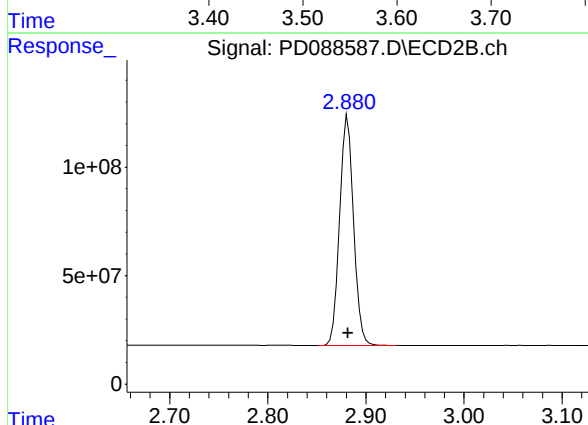




#1 Tetrachloro-m-xylene

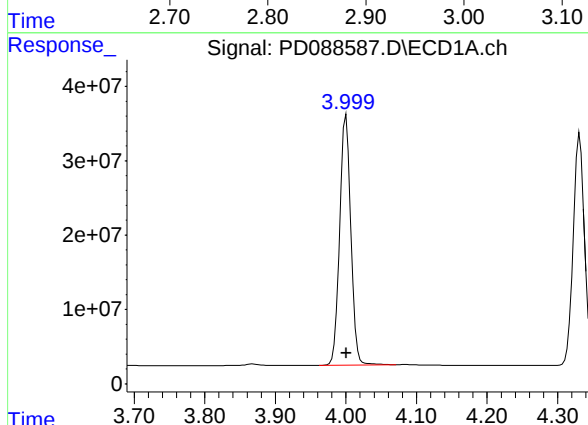
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 155423752
Conc: 73.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



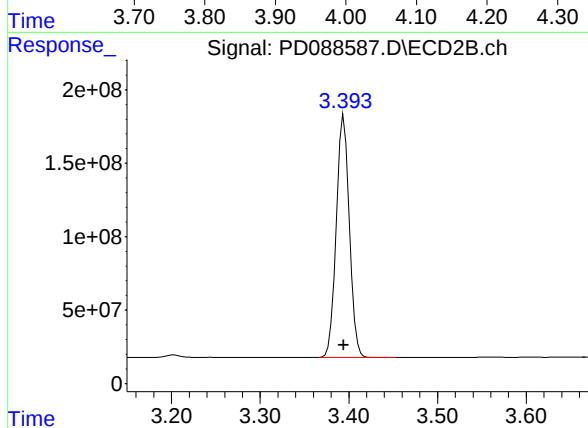
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 1047803785
Conc: 73.74 ng/ml



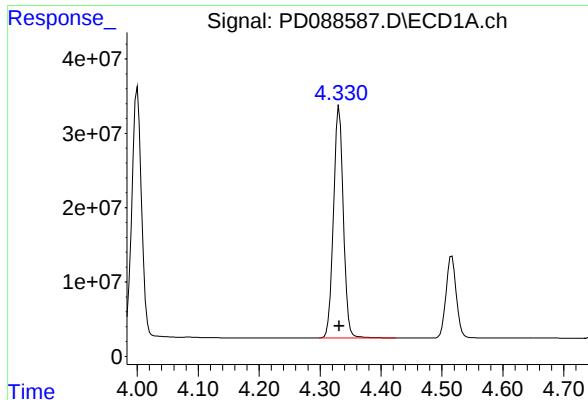
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 369592440
Conc: 73.82 ng/ml



#2 alpha-BHC

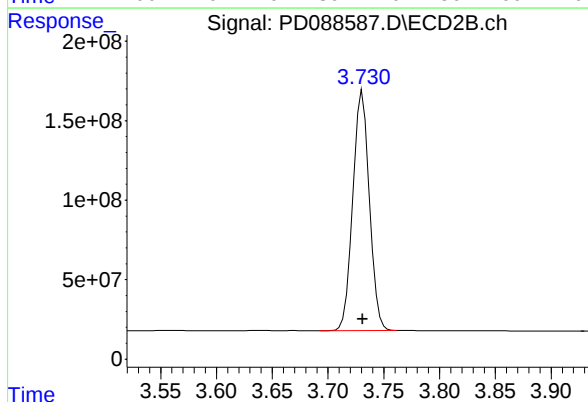
R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 1685282683
Conc: 73.76 ng/ml



#3 gamma-BHC (Lindane)

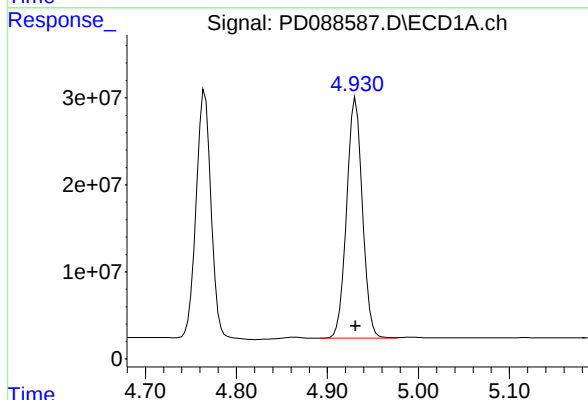
R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 350657312
Conc: 73.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



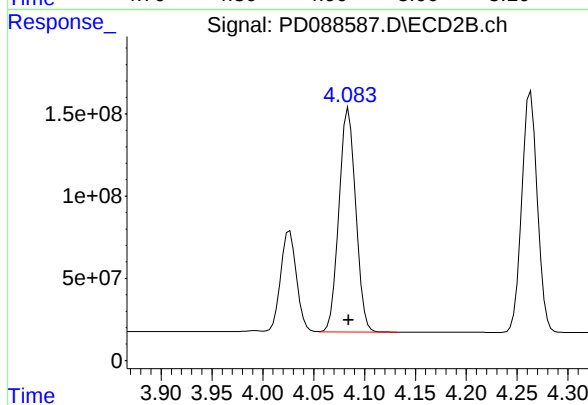
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.000 min
Response: 1558618058
Conc: 73.91 ng/ml



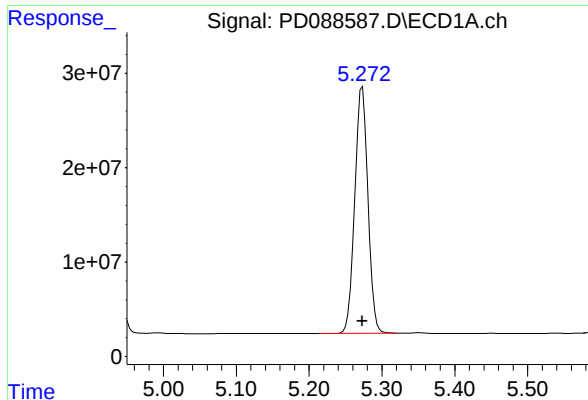
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 334007221
Conc: 73.79 ng/ml



#4 Heptachlor

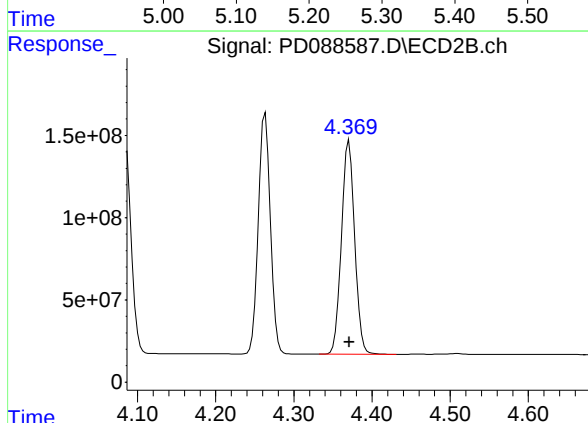
R.T.: 4.084 min
Delta R.T.: 0.000 min
Response: 1560114314
Conc: 74.04 ng/ml



#5 Aldrin

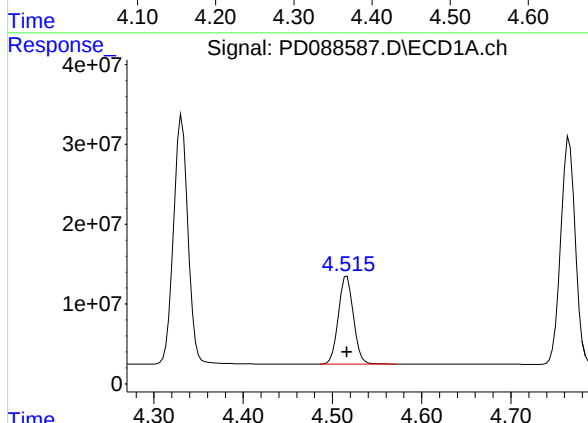
R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 328674296
Conc: 73.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



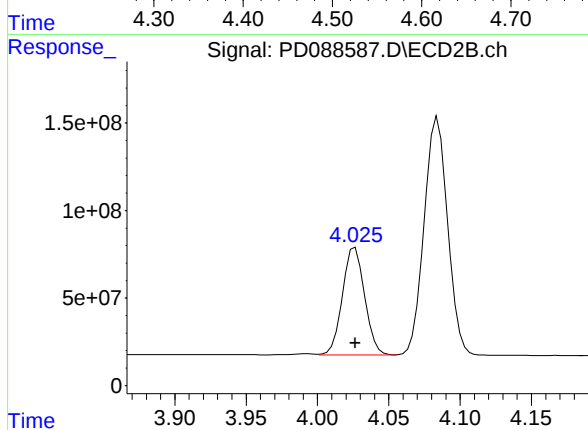
#5 Aldrin

R.T.: 4.371 min
Delta R.T.: 0.000 min
Response: 1531798209
Conc: 74.07 ng/ml



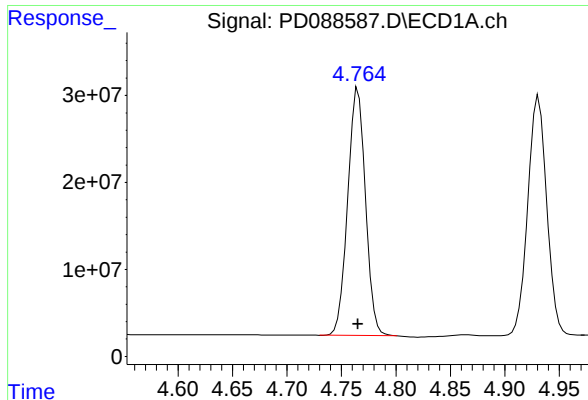
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 128842432
Conc: 73.70 ng/ml



#6 beta-BHC

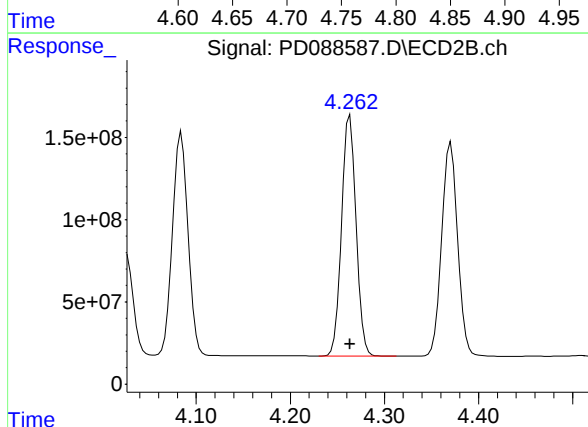
R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 665402171
Conc: 73.83 ng/ml



#7 delta-BHC

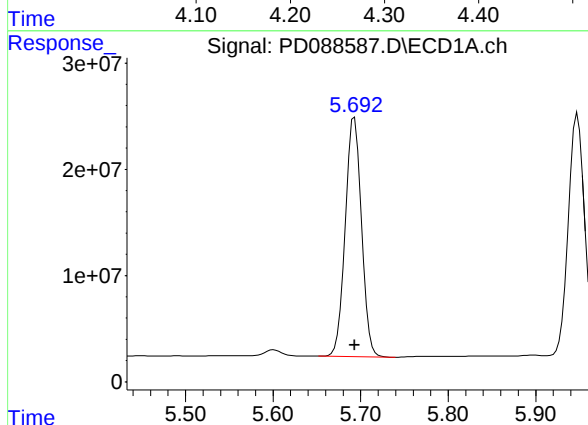
R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 322595797
Conc: 73.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



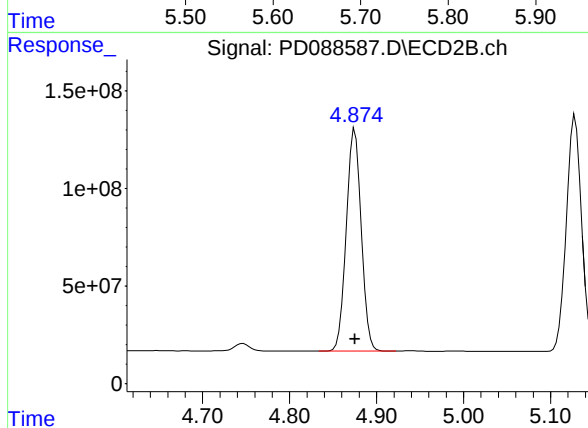
#7 delta-BHC

R.T.: 4.263 min
Delta R.T.: 0.000 min
Response: 1565622870
Conc: 73.88 ng/ml



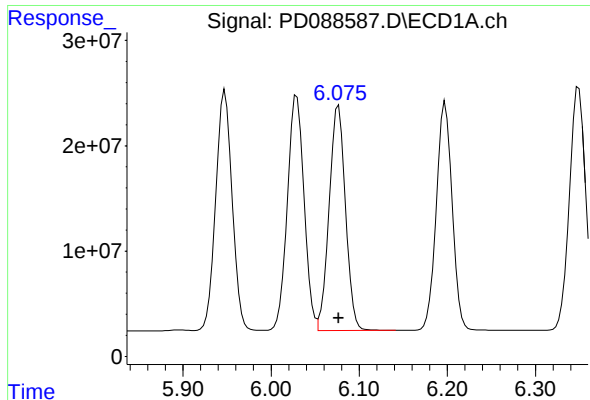
#8 Heptachlor epoxide

R.T.: 5.693 min
Delta R.T.: 0.000 min
Response: 289933817
Conc: 73.83 ng/ml



#8 Heptachlor epoxide

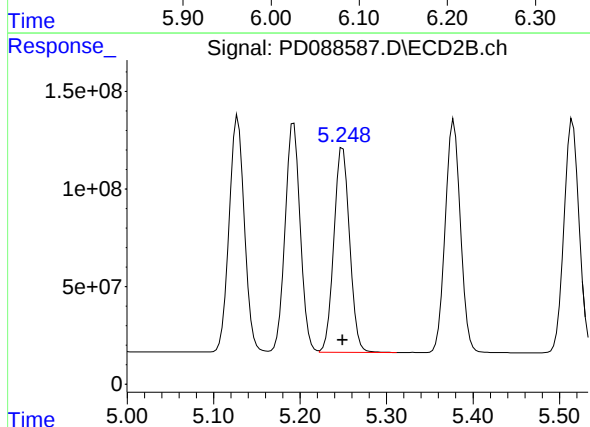
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 1368835635
Conc: 74.05 ng/ml



#9 Endosulfan I

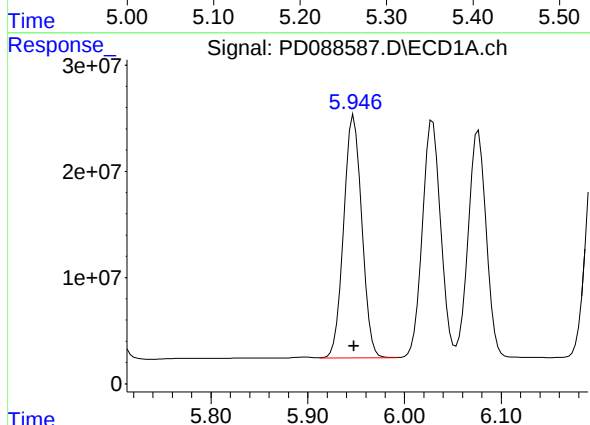
R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 275805071
Conc: 73.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



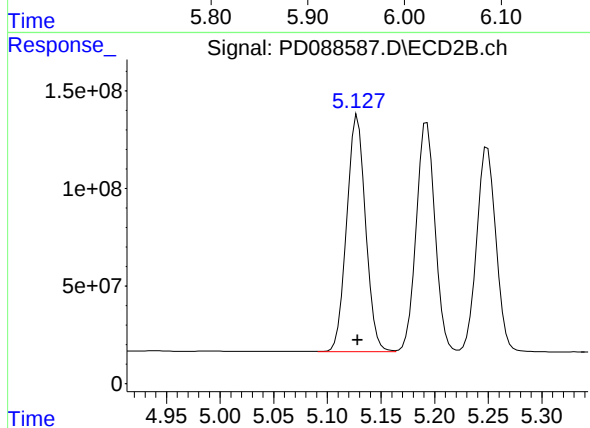
#9 Endosulfan I

R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 1309143560
Conc: 74.16 ng/ml



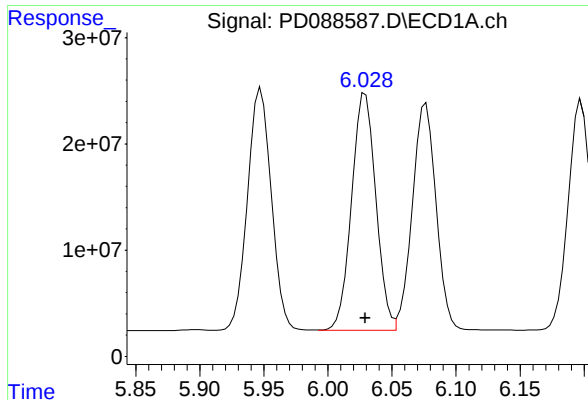
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 296220405
Conc: 73.90 ng/ml



#10 gamma-Chlordane

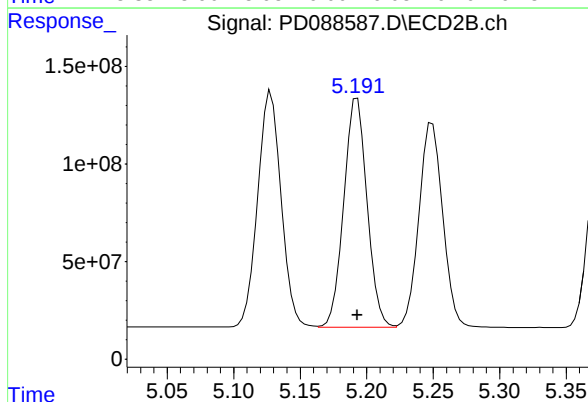
R.T.: 5.128 min
Delta R.T.: 0.000 min
Response: 1485014238
Conc: 74.14 ng/ml



#11 alpha-Chlordane

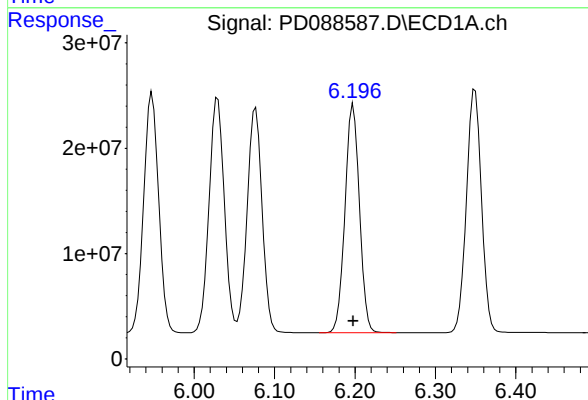
R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 294597343
Conc: 73.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



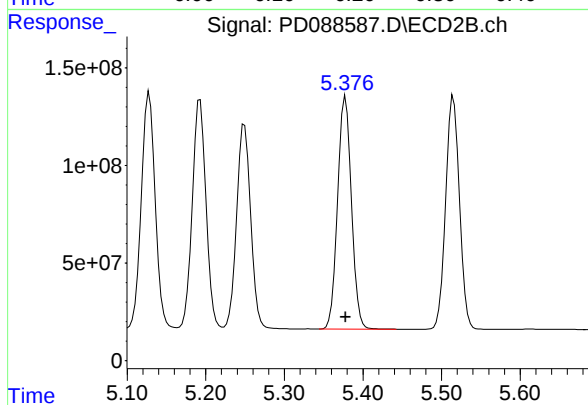
#11 alpha-Chlordane

R.T.: 5.193 min
Delta R.T.: 0.000 min
Response: 1430943624
Conc: 74.14 ng/ml



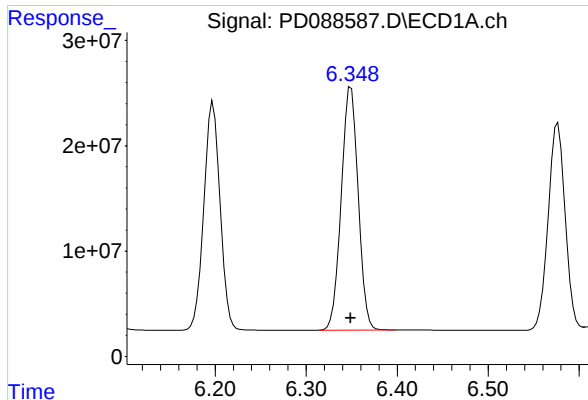
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.000 min
Response: 270834692
Conc: 74.04 ng/ml



#12 4,4'-DDE

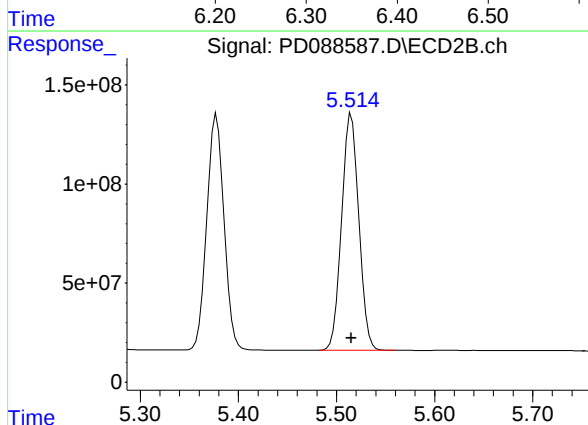
R.T.: 5.378 min
Delta R.T.: 0.000 min
Response: 1456688727
Conc: 74.35 ng/ml



#13 Dieldrin

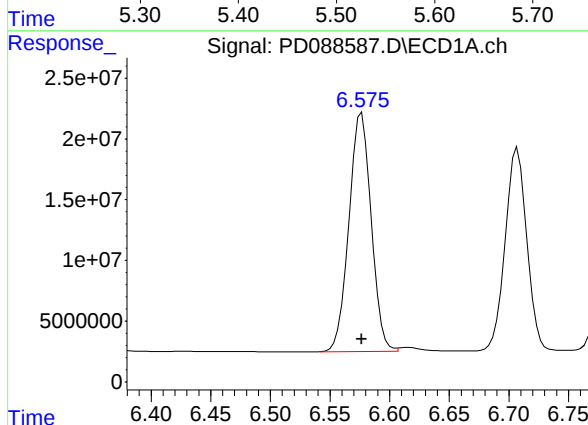
R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 299639549
Conc: 73.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



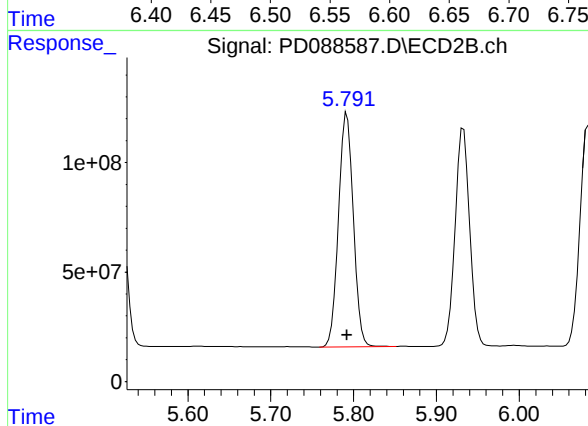
#13 Dieldrin

R.T.: 5.515 min
Delta R.T.: 0.000 min
Response: 1459070496
Conc: 74.13 ng/ml



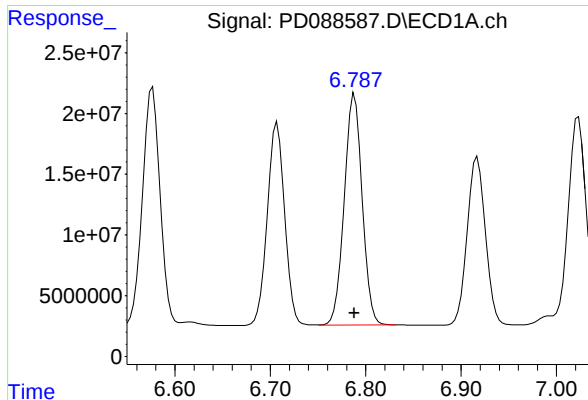
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.000 min
Response: 255047199
Conc: 74.02 ng/ml



#14 Endrin

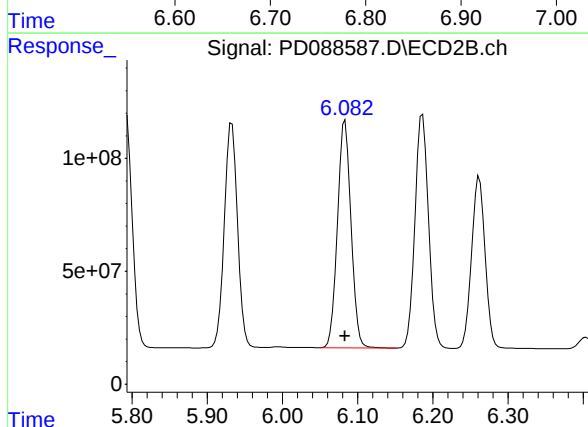
R.T.: 5.792 min
Delta R.T.: 0.000 min
Response: 1328130003
Conc: 74.16 ng/ml



#15 Endosulfan II

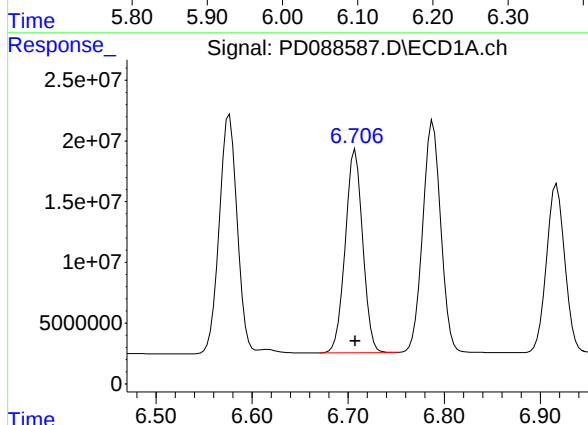
R.T.: 6.788 min
Delta R.T.: 0.000 min
Response: 249085428
Conc: 73.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



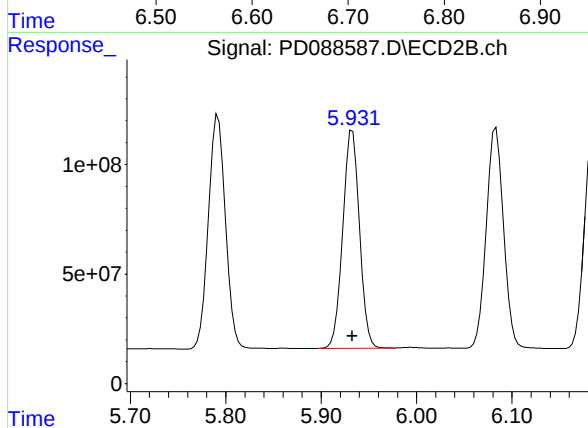
#15 Endosulfan II

R.T.: 6.083 min
Delta R.T.: 0.000 min
Response: 1263730609
Conc: 74.19 ng/ml



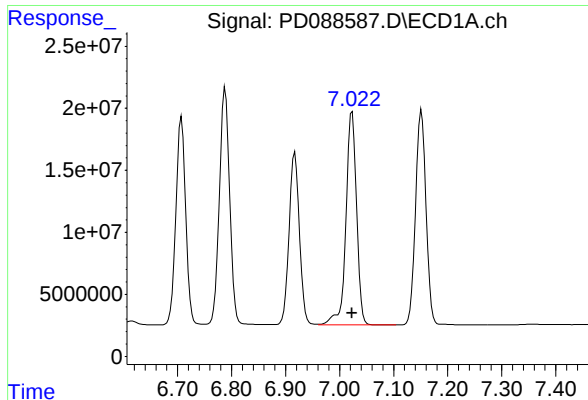
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 209925046
Conc: 74.16 ng/ml



#16 4,4'-DDD

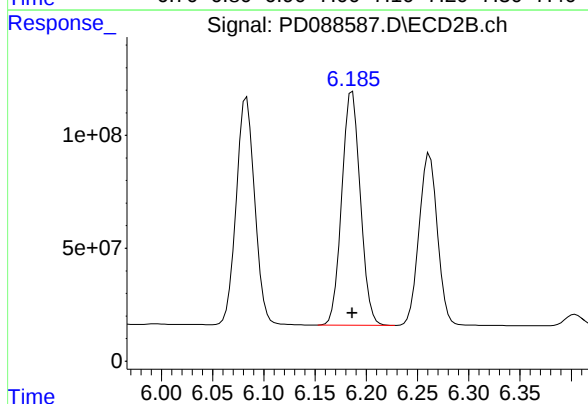
R.T.: 5.933 min
Delta R.T.: 0.000 min
Response: 121277737
Conc: 74.31 ng/ml



#17 4,4'-DDT

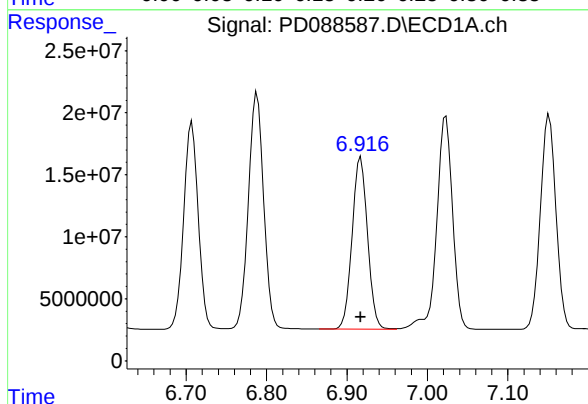
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 234435759
Conc: 73.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



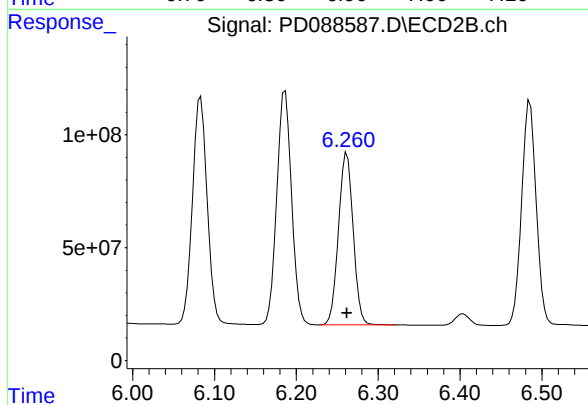
#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: 0.000 min
Response: 1298590649
Conc: 74.38 ng/ml



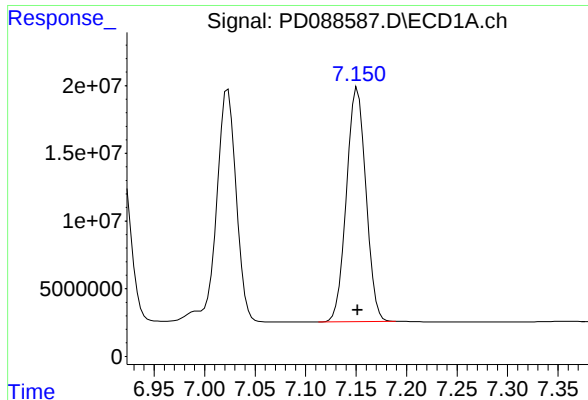
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.000 min
Response: 184384679
Conc: 74.02 ng/ml



#18 Endrin aldehyde

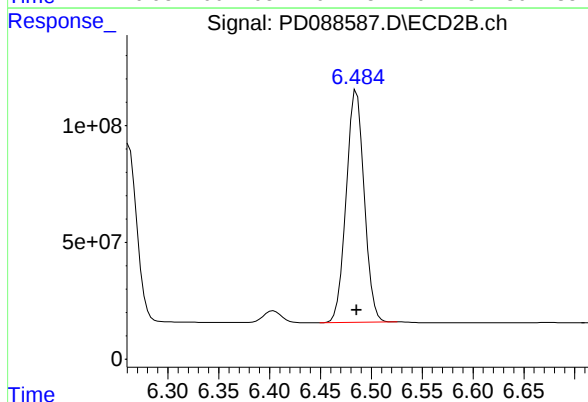
R.T.: 6.262 min
Delta R.T.: 0.000 min
Response: 951113516
Conc: 74.37 ng/ml



#19 Endosulfan Sulfate

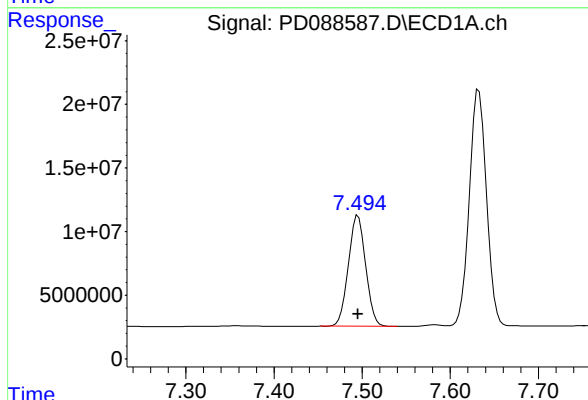
R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 232230670
Conc: 73.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



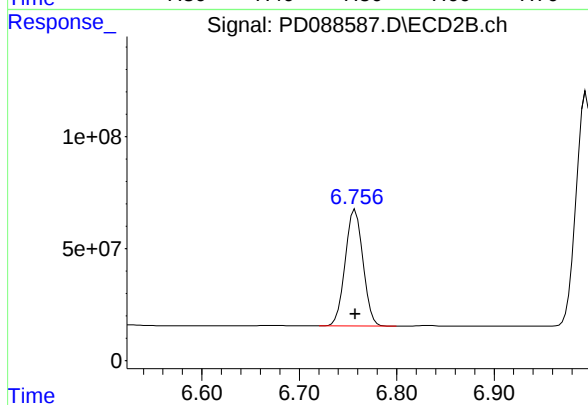
#19 Endosulfan Sulfate

R.T.: 6.485 min
Delta R.T.: 0.000 min
Response: 1221008007
Conc: 74.18 ng/ml



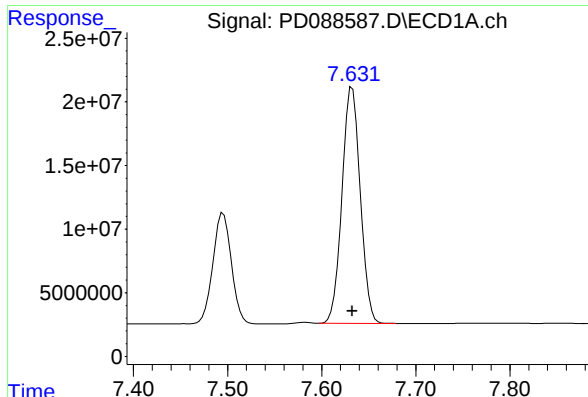
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 118836294
Conc: 73.77 ng/ml



#20 Methoxychlor

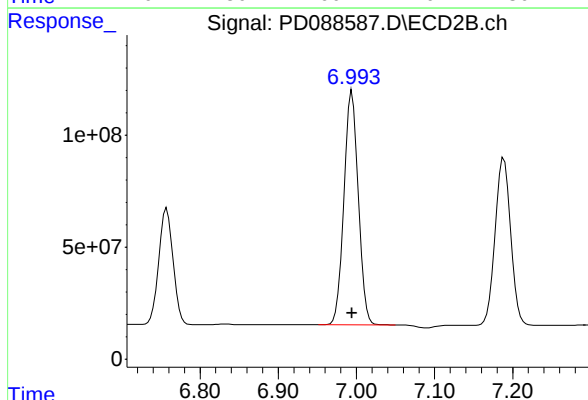
R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 660078163
Conc: 74.28 ng/ml



#21 Endrin ketone

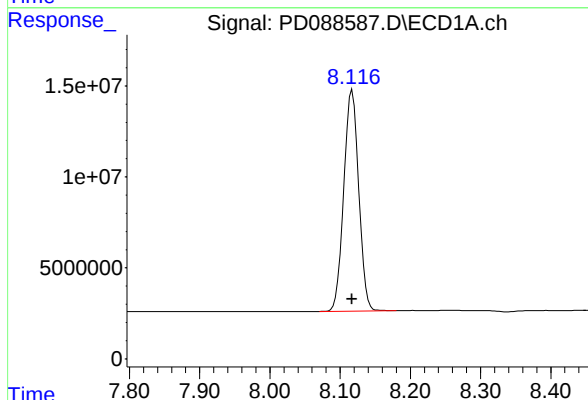
R.T.: 7.633 min
Delta R.T.: 0.000 min
Response: 250577047
Conc: 73.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



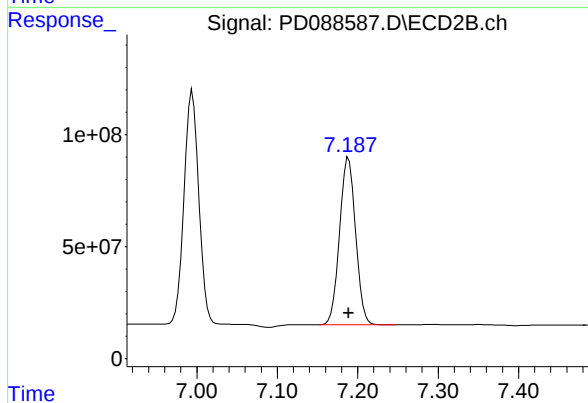
#21 Endrin ketone

R.T.: 6.995 min
Delta R.T.: 0.000 min
Response: 1333410454
Conc: 74.28 ng/ml



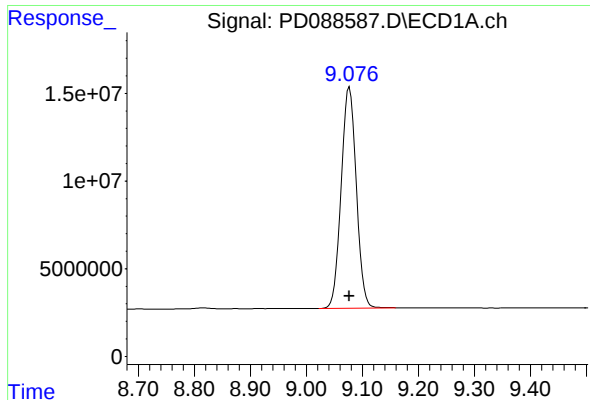
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 179598572
Conc: 73.72 ng/ml



#22 Mirex

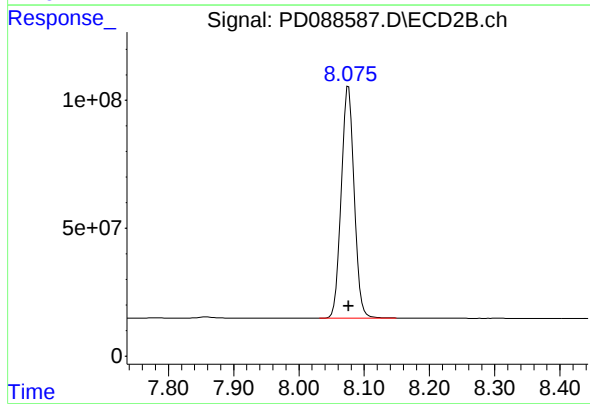
R.T.: 7.189 min
Delta R.T.: 0.000 min
Response: 1033821156
Conc: 74.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.000 min
Response: 236563946
Conc: 73.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 1246388084
Conc: 74.13 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
 Data File : PD088588.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 11:58
 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: May 19 12:42:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 12:41:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	2.882	106.1E6	727.6E6	50.000	50.000
28)	SA Decachlor...	9.077	8.077	166.4E6	865.9E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	4.000	3.394	242.4E6	1163.1E6	50.000	50.000
3)	MA gamma-BHC...	4.332	3.731	230.9E6	1072.5E6	50.000	50.000
4)	MA Heptachlor	4.932	4.085	222.3E6	1082.4E6	50.000	50.000
5)	MB Aldrin	5.273	4.371	218.6E6	1059.4E6	50.000	50.000
6)	B beta-BHC	4.517	4.027	88017766	465.1E6	50.000	50.000
7)	B delta-BHC	4.766	4.264	211.4E6	1078.7E6	50.000	50.000
8)	B Heptachlo...	5.693	4.875	194.8E6	953.8E6	50.000	50.000
9)	A Endosulfan I	6.077	5.250	185.4E6	910.3E6	50.000	50.000
10)	B gamma-Chl...	5.948	5.129	197.6E6	1023.2E6	50.000	50.000
11)	B alpha-Chl...	6.030	5.194	197.7E6	988.5E6	50.000	50.000
12)	B 4,4'-DDE	6.198	5.378	179.4E6	1002.3E6	50.000	50.000
13)	MA Dieldrin	6.350	5.516	199.4E6	1010.6E6	50.000	50.000
14)	MA Endrin	6.577	5.792	169.6E6	923.0E6	50.000	50.000
15)	B Endosulfa...	6.788	6.084	168.1E6	879.1E6	50.000	50.000
16)	A 4,4'-DDD	6.708	5.933	139.0E6	836.3E6	50.000	50.000
17)	MA 4,4'-DDT	7.023	6.187	156.2E6	889.1E6	50.000	50.000
18)	B Endrin al...	6.917	6.262	125.6E6	662.6E6	50.000	50.000
19)	B Endosulfa...	7.152	6.486	157.2E6	850.0E6	50.000	50.000
20)	A Methoxychlor	7.495	6.758	82121190	464.3E6	50.000	50.000
21)	B Endrin ke...	7.633	6.995	169.4E6	930.3E6	50.000	50.000
22)	Mirex	8.117	7.189	125.3E6	720.6E6	50.000	50.000

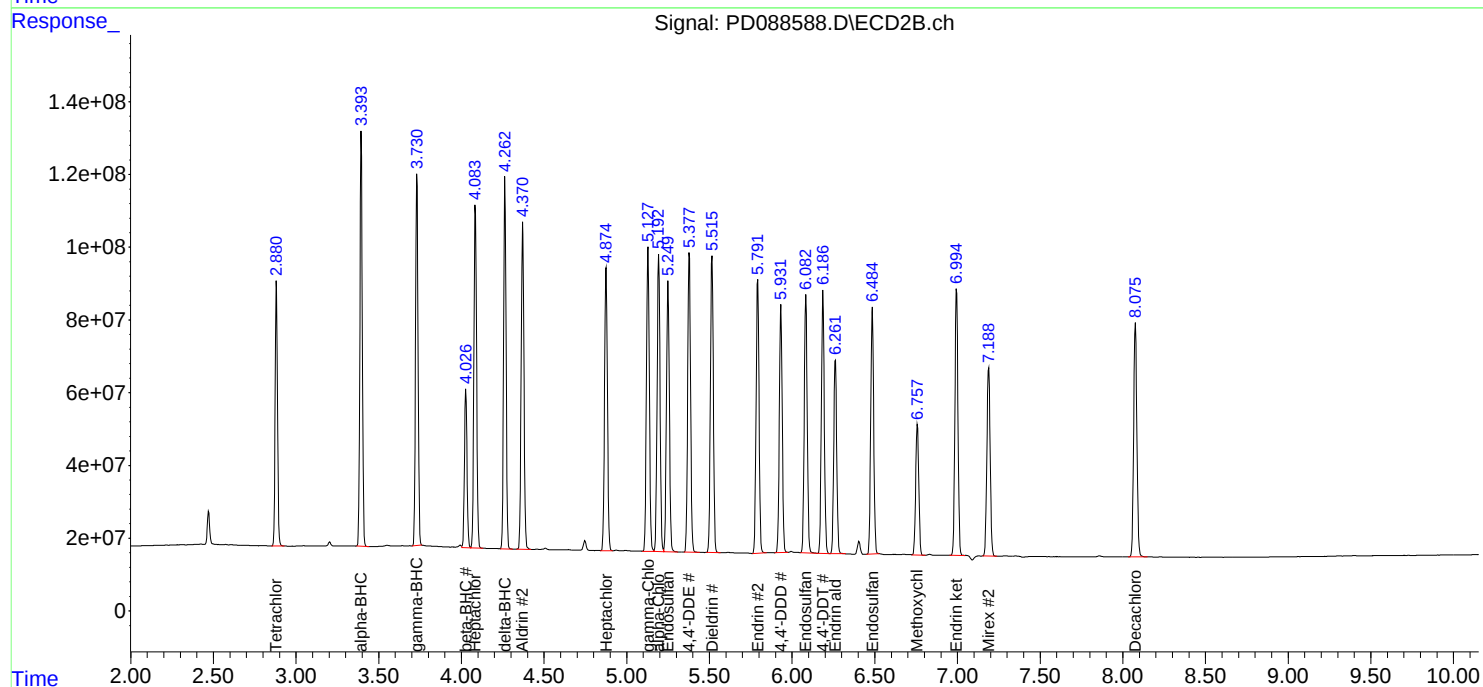
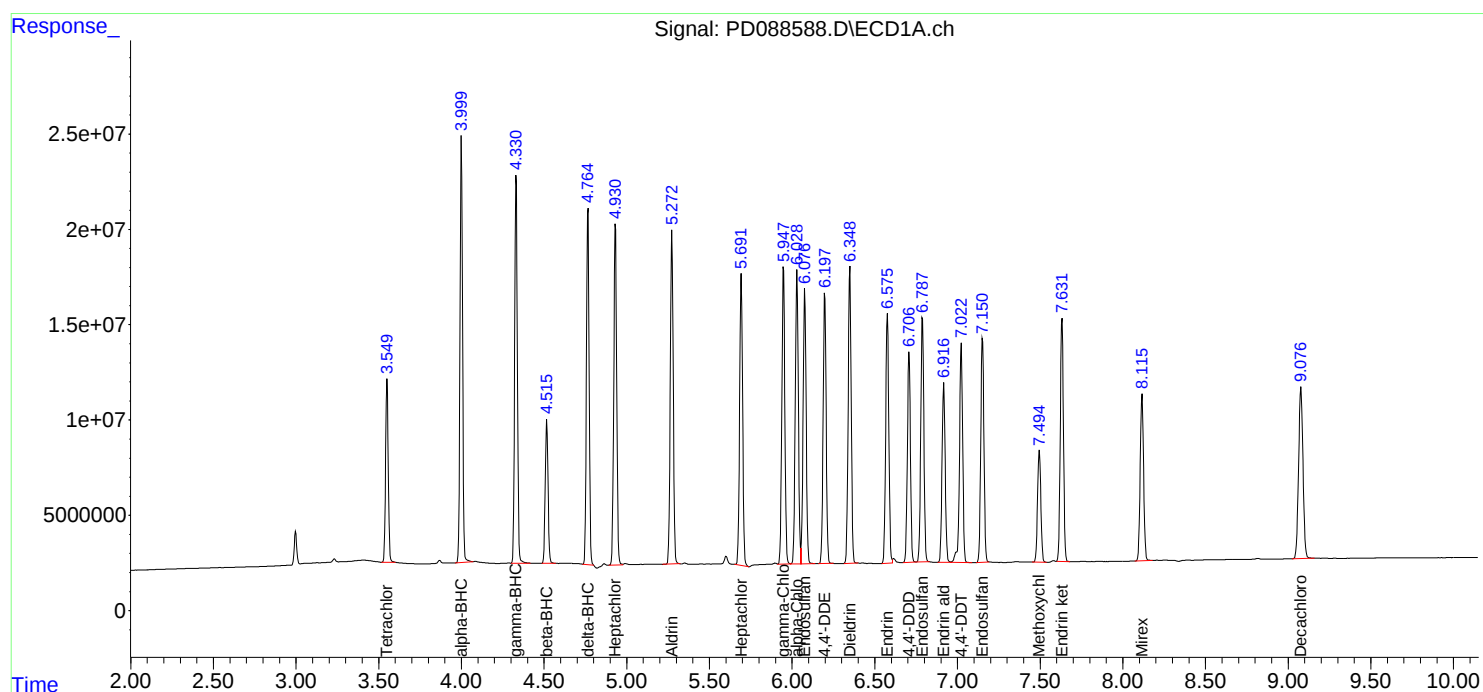
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

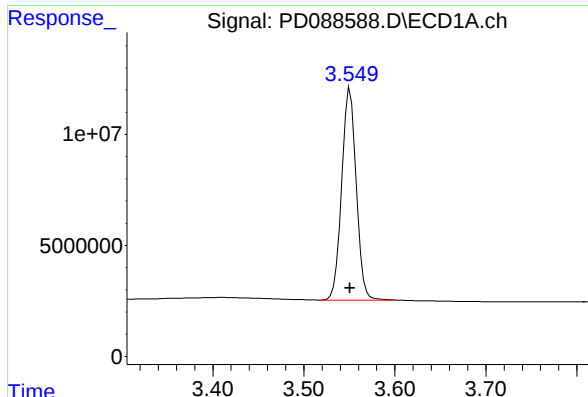
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088588.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:58
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:42:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 12:41:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

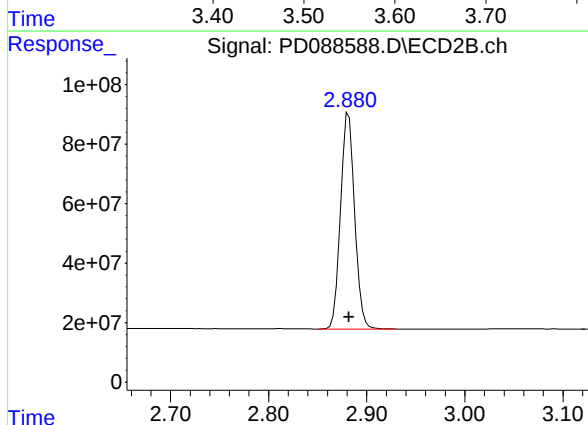




#1 Tetrachloro-m-xylene

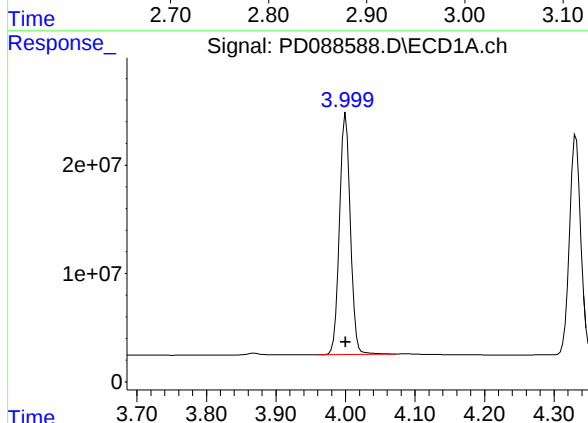
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 106100623
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



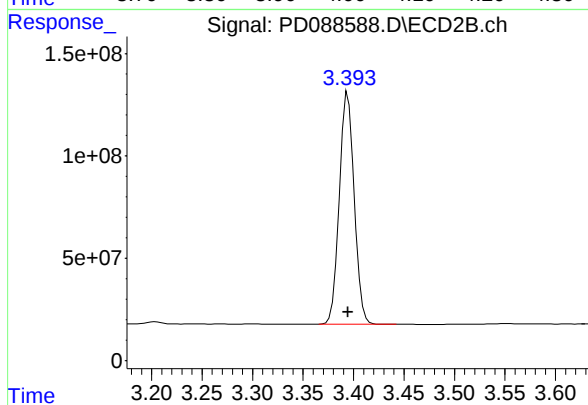
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 727614380
Conc: 50.00 ng/ml



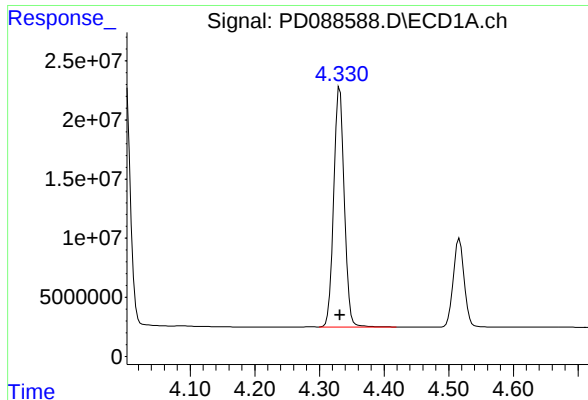
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 242364598
Conc: 50.00 ng/ml



#2 alpha-BHC

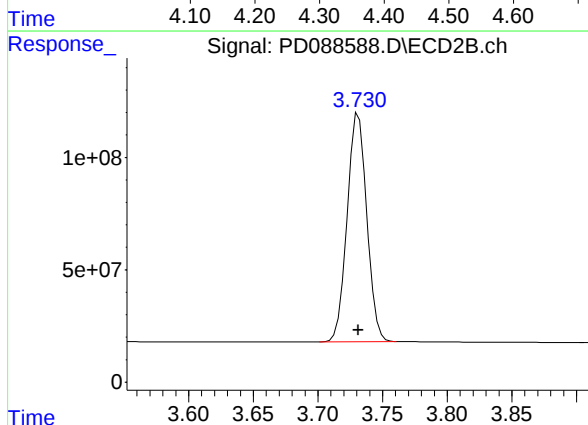
R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 1163142653
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

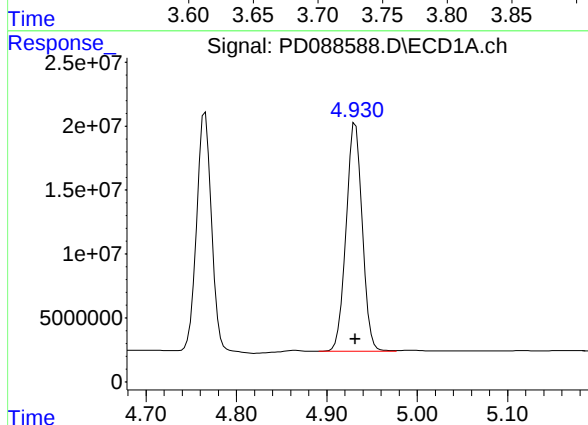
R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 230856385
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



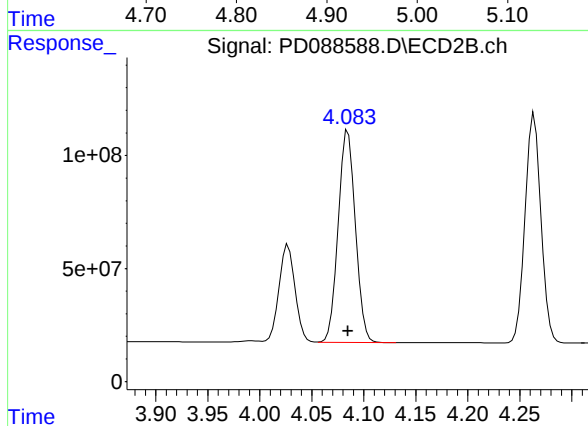
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.000 min
Response: 1072520345
Conc: 50.00 ng/ml



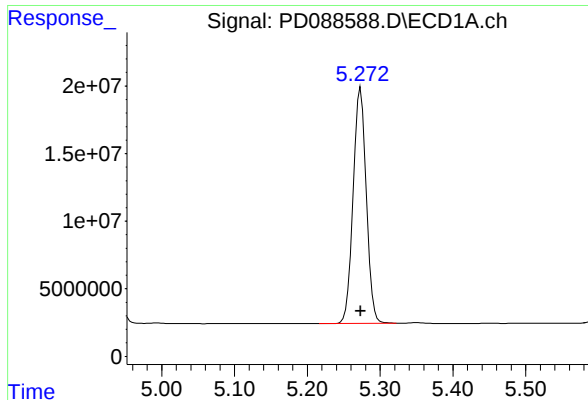
#4 Heptachlor

R.T.: 4.932 min
Delta R.T.: 0.000 min
Response: 222267722
Conc: 50.00 ng/ml



#4 Heptachlor

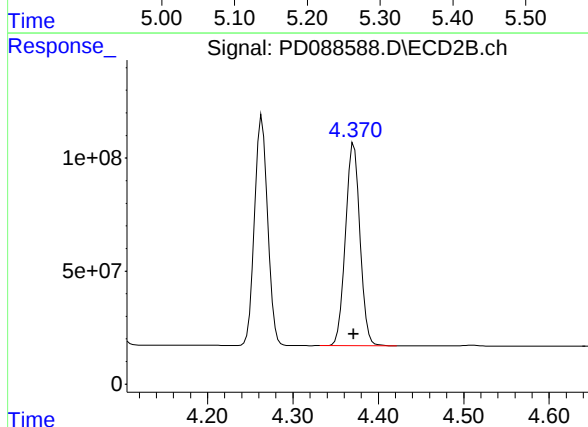
R.T.: 4.085 min
Delta R.T.: 0.000 min
Response: 1082395979
Conc: 50.00 ng/ml



#5 Aldrin

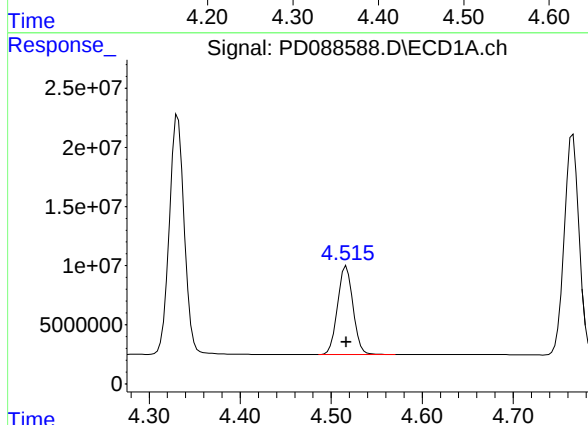
R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 218553000
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



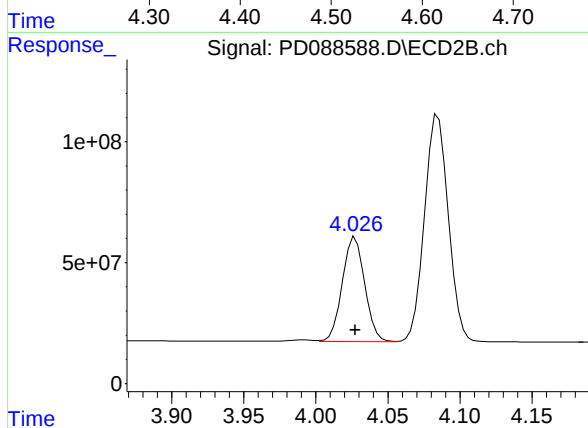
#5 Aldrin

R.T.: 4.371 min
Delta R.T.: 0.000 min
Response: 1059354088
Conc: 50.00 ng/ml



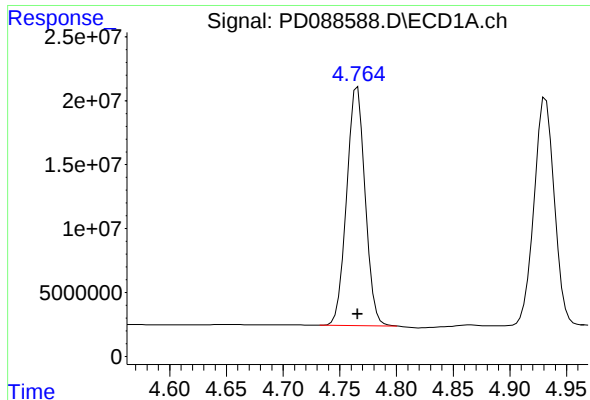
#6 beta-BHC

R.T.: 4.517 min
Delta R.T.: 0.000 min
Response: 88017766
Conc: 50.00 ng/ml



#6 beta-BHC

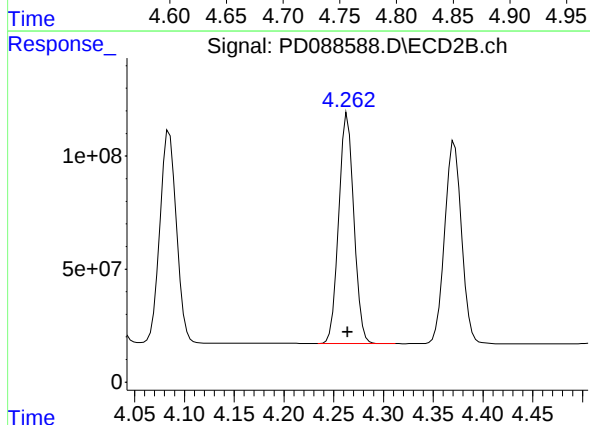
R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 465123034
Conc: 50.00 ng/ml



#7 delta-BHC

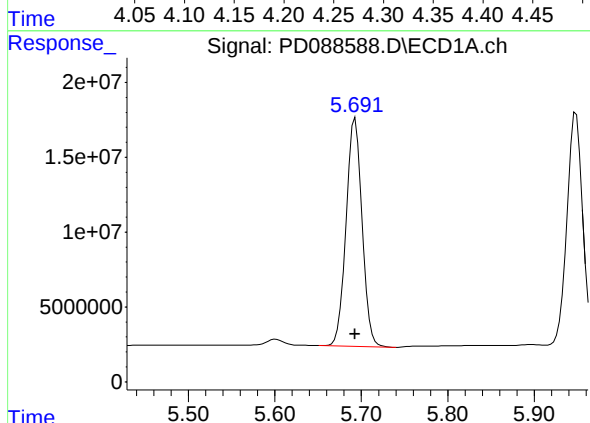
R.T.: 4.766 min
Delta R.T.: 0.000 min
Response: 211388375
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



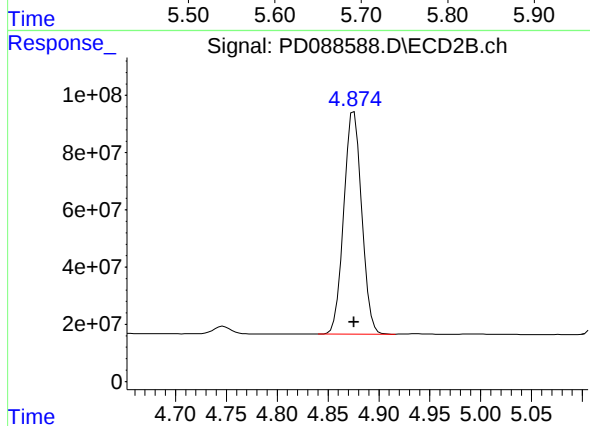
#7 delta-BHC

R.T.: 4.264 min
Delta R.T.: 0.000 min
Response: 1078655007
Conc: 50.00 ng/ml



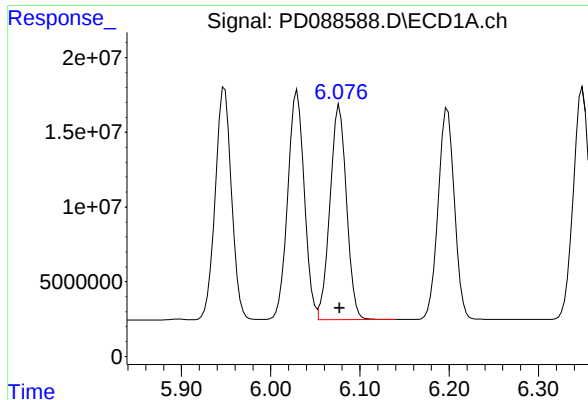
#8 Heptachlor epoxide

R.T.: 5.693 min
Delta R.T.: 0.000 min
Response: 194838023
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

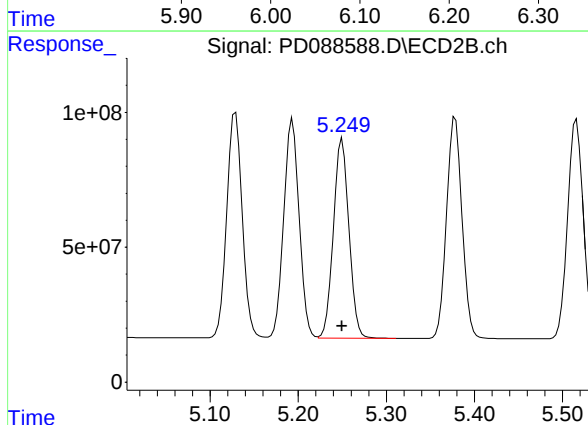
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 953842823
Conc: 50.00 ng/ml



#9 Endosulfan I

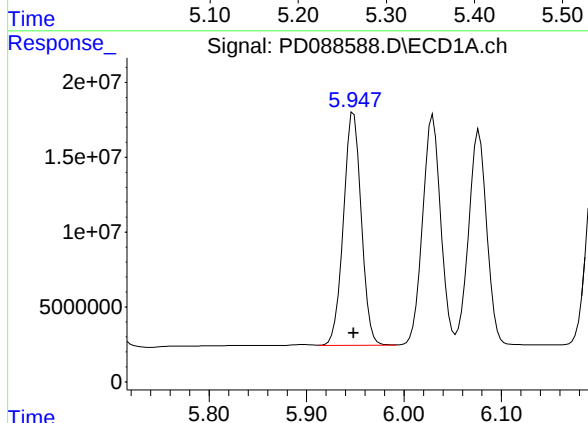
R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 185438020
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



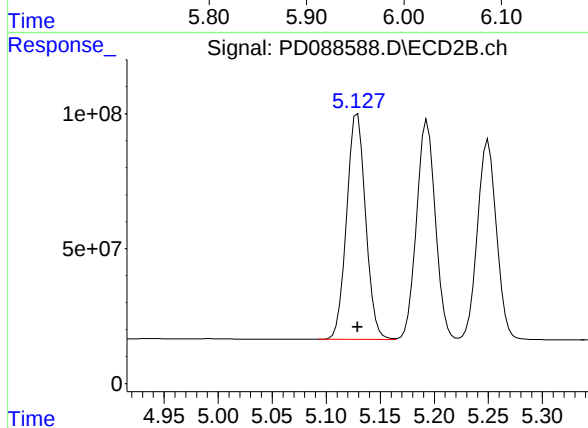
#9 Endosulfan I

R.T.: 5.250 min
Delta R.T.: 0.000 min
Response: 910324214
Conc: 50.00 ng/ml



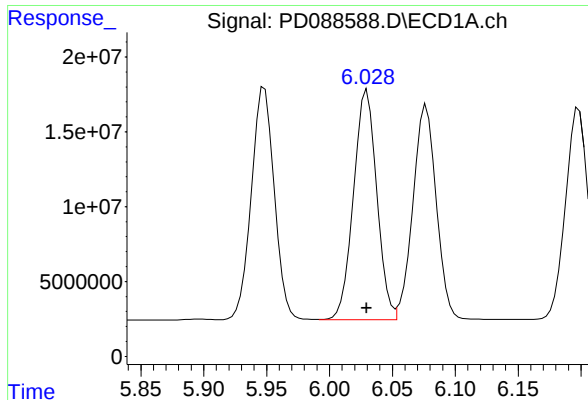
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 197569776
Conc: 50.00 ng/ml



#10 gamma-Chlordane

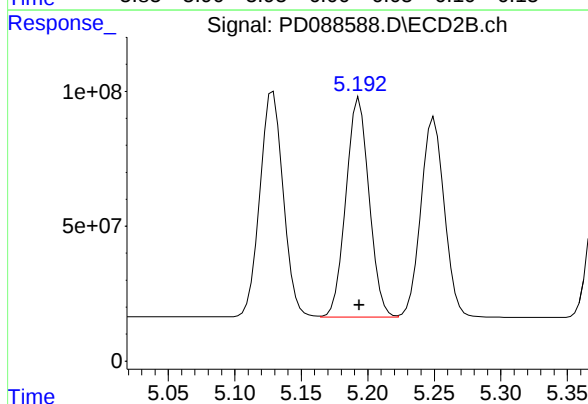
R.T.: 5.129 min
Delta R.T.: 0.000 min
Response: 1023185445
Conc: 50.00 ng/ml



#11 alpha-Chlordane

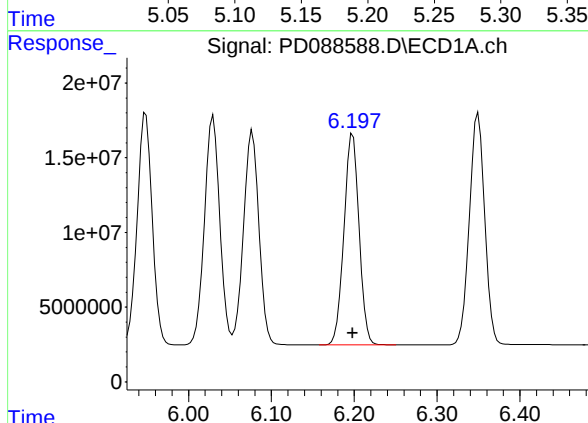
R.T.: 6.030 min
Delta R.T.: 0.000 min
Response: 197690760
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



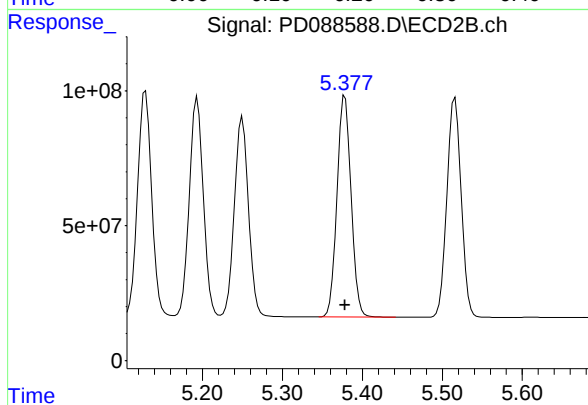
#11 alpha-Chlordane

R.T.: 5.194 min
Delta R.T.: 0.000 min
Response: 988542005
Conc: 50.00 ng/ml



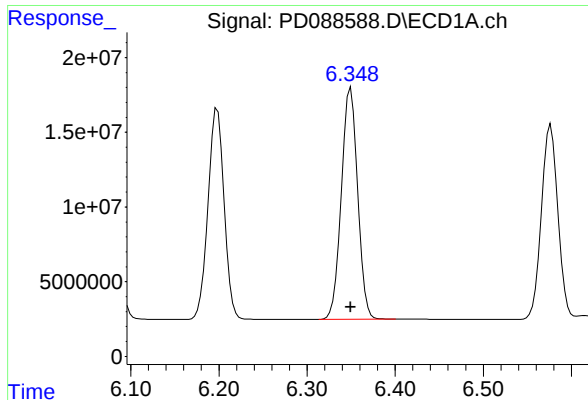
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.000 min
Response: 179396456
Conc: 50.00 ng/ml



#12 4,4'-DDE

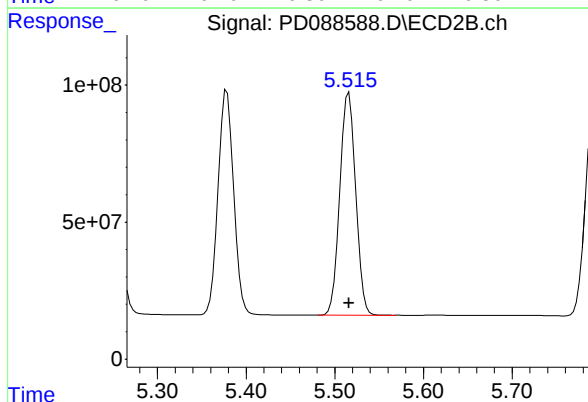
R.T.: 5.378 min
Delta R.T.: 0.000 min
Response: 1002342446
Conc: 50.00 ng/ml



#13 Dieldrin

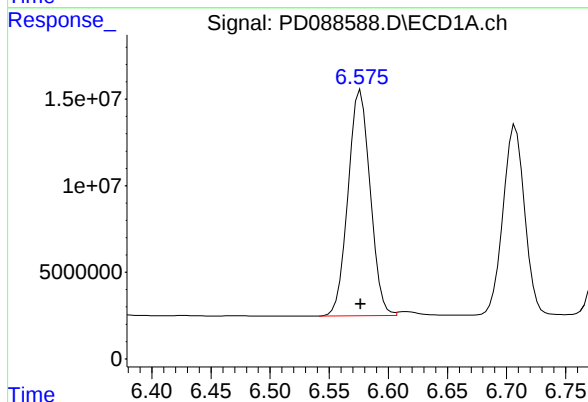
R.T.: 6.350 min
Delta R.T.: 0.000 min
Response: 199394501
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



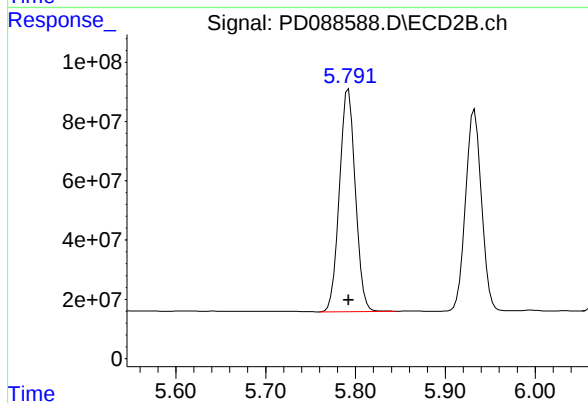
#13 Dieldrin

R.T.: 5.516 min
Delta R.T.: 0.000 min
Response: 1010582936
Conc: 50.00 ng/ml



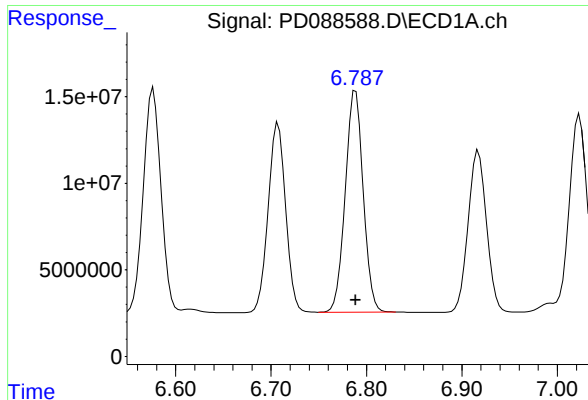
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.000 min
Response: 169594195
Conc: 50.00 ng/ml



#14 Endrin

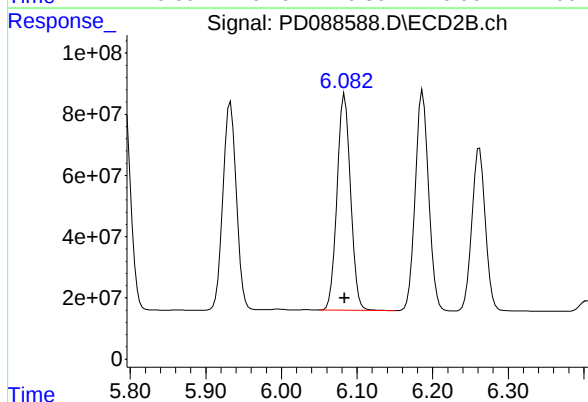
R.T.: 5.792 min
Delta R.T.: 0.000 min
Response: 922975552
Conc: 50.00 ng/ml



#15 Endosulfan II

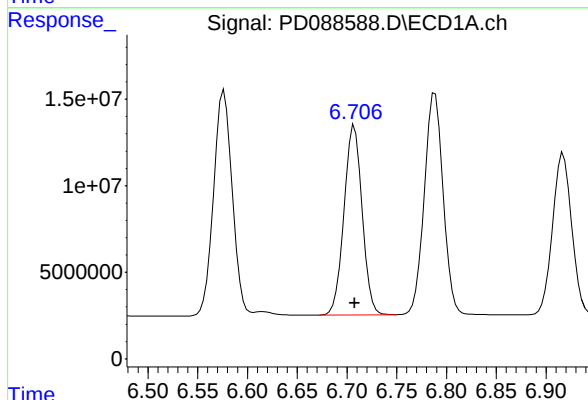
R.T.: 6.788 min
Delta R.T.: 0.000 min
Response: 168074557
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



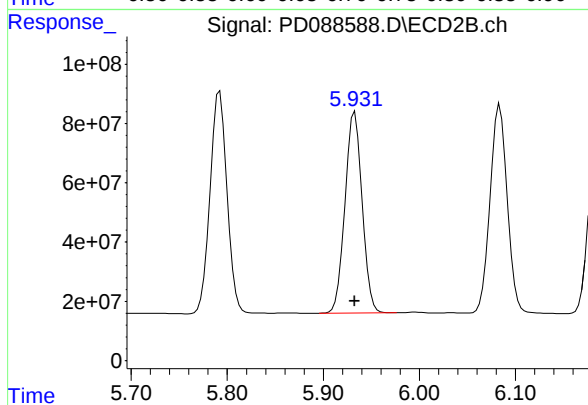
#15 Endosulfan II

R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 879065569
Conc: 50.00 ng/ml



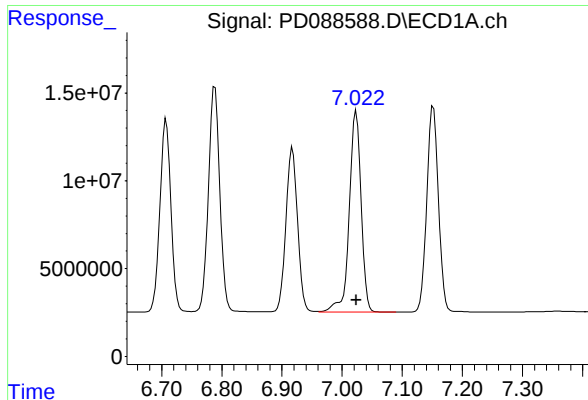
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.000 min
Response: 138959021
Conc: 50.00 ng/ml



#16 4,4'-DDD

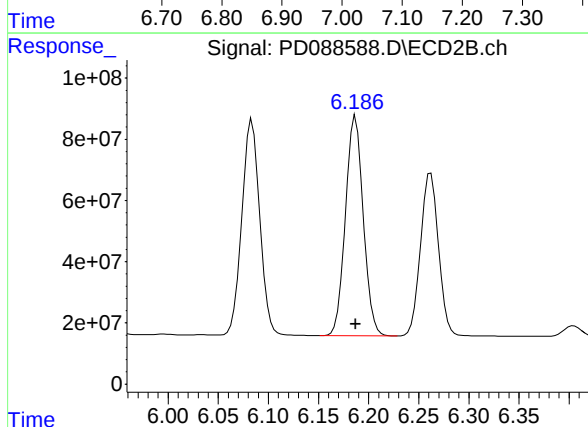
R.T.: 5.933 min
Delta R.T.: 0.000 min
Response: 836346477
Conc: 50.00 ng/ml



#17 4,4'-DDT

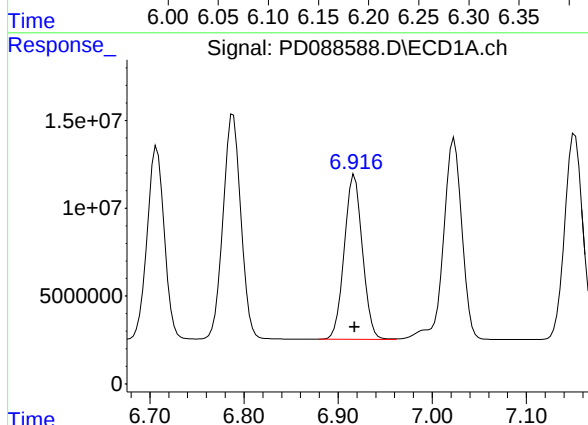
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 156188609
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



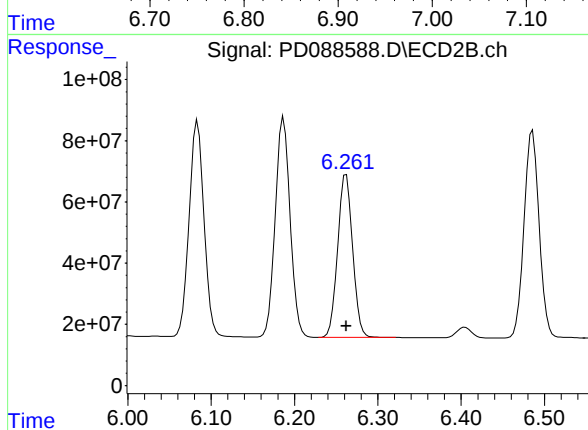
#17 4,4'-DDT

R.T.: 6.187 min
Delta R.T.: 0.000 min
Response: 889142601
Conc: 50.00 ng/ml



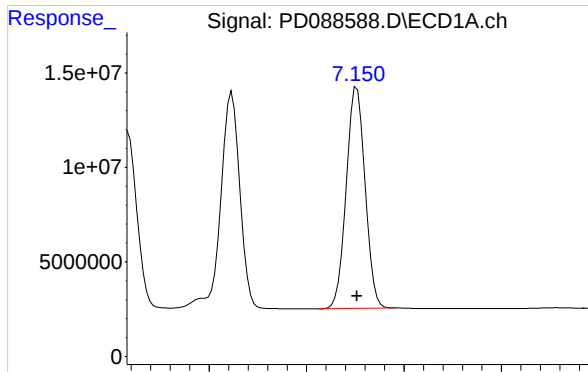
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.000 min
Response: 125576622
Conc: 50.00 ng/ml



#18 Endrin aldehyde

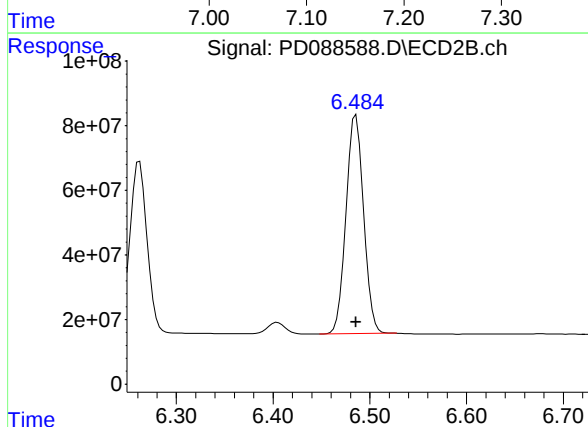
R.T.: 6.262 min
Delta R.T.: 0.000 min
Response: 662589753
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

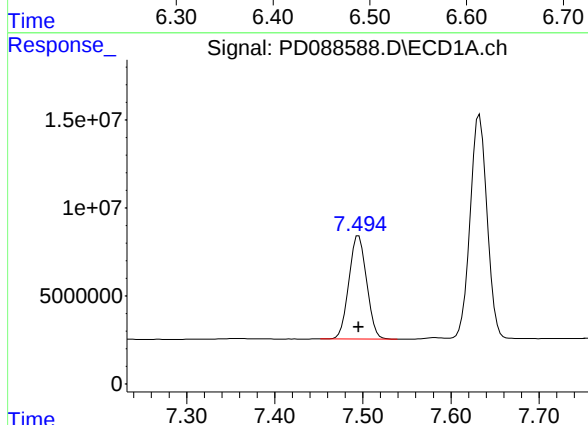
R.T.: 7.152 min
Delta R.T.: 0.000 min
Response: 157228737
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



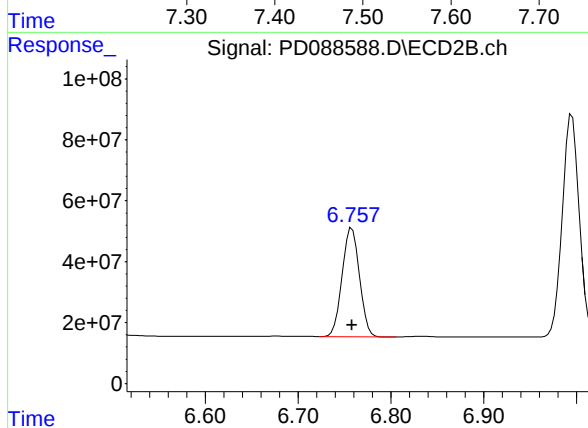
#19 Endosulfan Sulfate

R.T.: 6.486 min
Delta R.T.: 0.000 min
Response: 849950225
Conc: 50.00 ng/ml



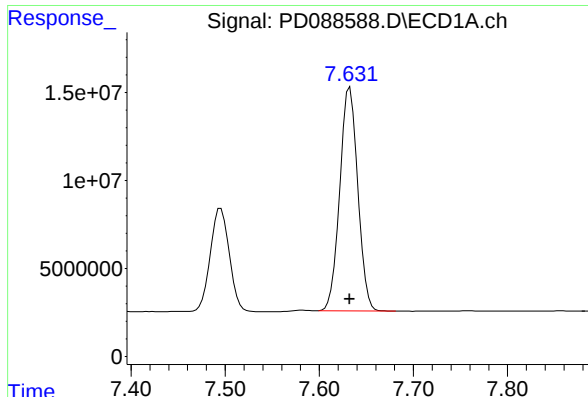
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 82121190
Conc: 50.00 ng/ml



#20 Methoxychlor

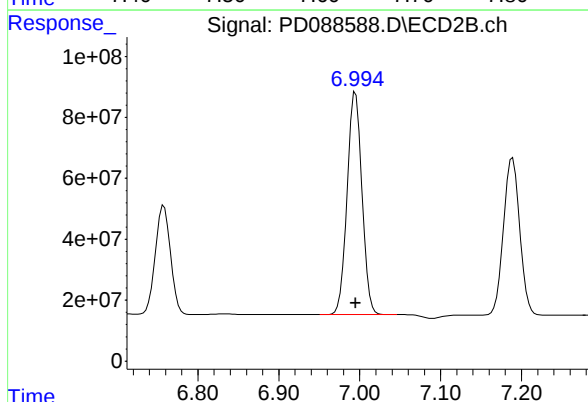
R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 464261856
Conc: 50.00 ng/ml



#21 Endrin ketone

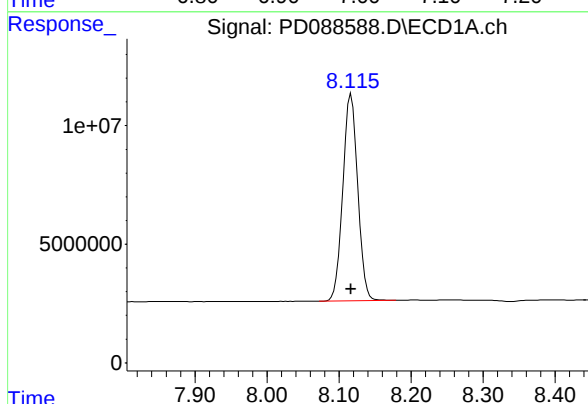
R.T.: 7.633 min
Delta R.T.: 0.000 min
Response: 169421016
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



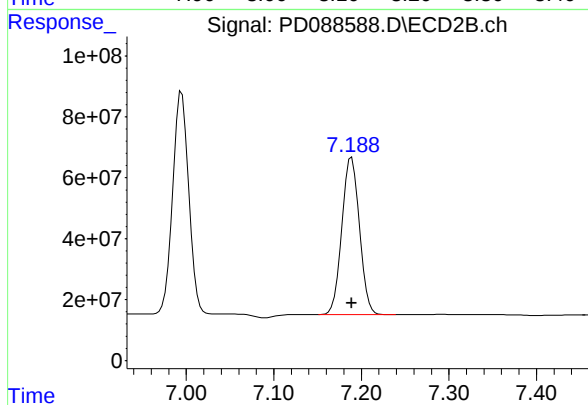
#21 Endrin ketone

R.T.: 6.995 min
Delta R.T.: 0.000 min
Response: 930287465
Conc: 50.00 ng/ml



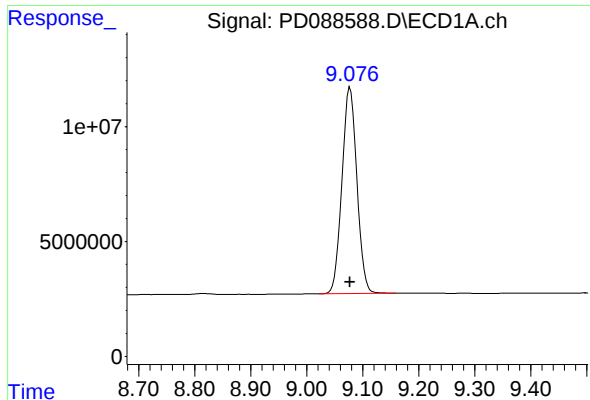
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 125314941
Conc: 50.00 ng/ml



#22 Mirex

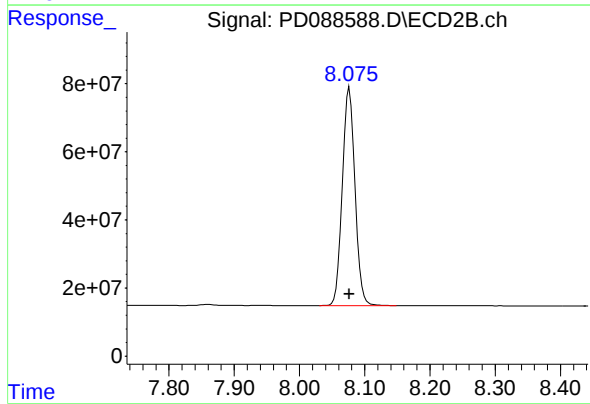
R.T.: 7.189 min
Delta R.T.: 0.000 min
Response: 720592274
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.000 min
Response: 166437630
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 8.077 min
Delta R.T.: 0.000 min
Response: 865866449
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088589.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:12
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: May 19 12:48:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 12:41:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 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	2.882	54028504	386.4E6	25.411	26.612
28) SA Decachlor...	9.079	8.077	87605286	467.7E6	26.630	27.054
Target Compounds						
2) A alpha-BHC	4.000	3.395	114.0E6	606.1E6	23.284	26.128
3) MA gamma-BHC...	4.332	3.731	111.0E6	563.4E6	23.757	26.263
4) MA Heptachlor	4.931	4.085	108.4E6	575.3E6	24.201	26.688
5) MB Aldrin	5.273	4.371	106.3E6	561.5E6	24.150	26.581
6) B beta-BHC	4.517	4.027	45318541	250.3E6	25.687	27.021
7) B delta-BHC	4.765	4.264	100.5E6	564.9E6	23.458	26.224
8) B Heptachlo...	5.694	4.875	97321186	511.1E6	24.837	26.934
9) A Endosulfan I	6.077	5.250	92653177	489.2E6	24.884	26.980
10) B gamma-Chl...	5.948	5.129	96967992	544.8E6	24.388	26.615
11) B alpha-Chl...	6.029	5.193	98047542	528.4E6	24.697	26.742
12) B 4,4'-DDE	6.198	5.378	86803365	535.9E6	24.035	26.725
13) MA Dieldrin	6.350	5.516	97792162	540.9E6	24.352	26.814
14) MA Endrin	6.577	5.792	83064769	496.3E6	24.324	26.981
15) B Endosulfa...	6.789	6.084	84533008	472.0E6	25.068	26.977
16) A 4,4'-DDD	6.708	5.933	67771707	446.8E6	24.197	26.743
17) MA 4,4'-DDT	7.024	6.187	76236841	468.2E6	24.282	26.339
18) B Endrin al...	6.918	6.262	64337678	361.1E6	25.616	27.354
19) B Endosulfa...	7.152	6.486	79398597	457.7E6	25.201	27.050
20) A Methoxychlor	7.496	6.758	42446886	251.5E6	26.000	27.395
21) B Endrin ke...	7.633	6.995	84948689	501.6E6	25.057	27.142
22) Mirex	8.117	7.189	66265705	393.6E6	26.614	27.401

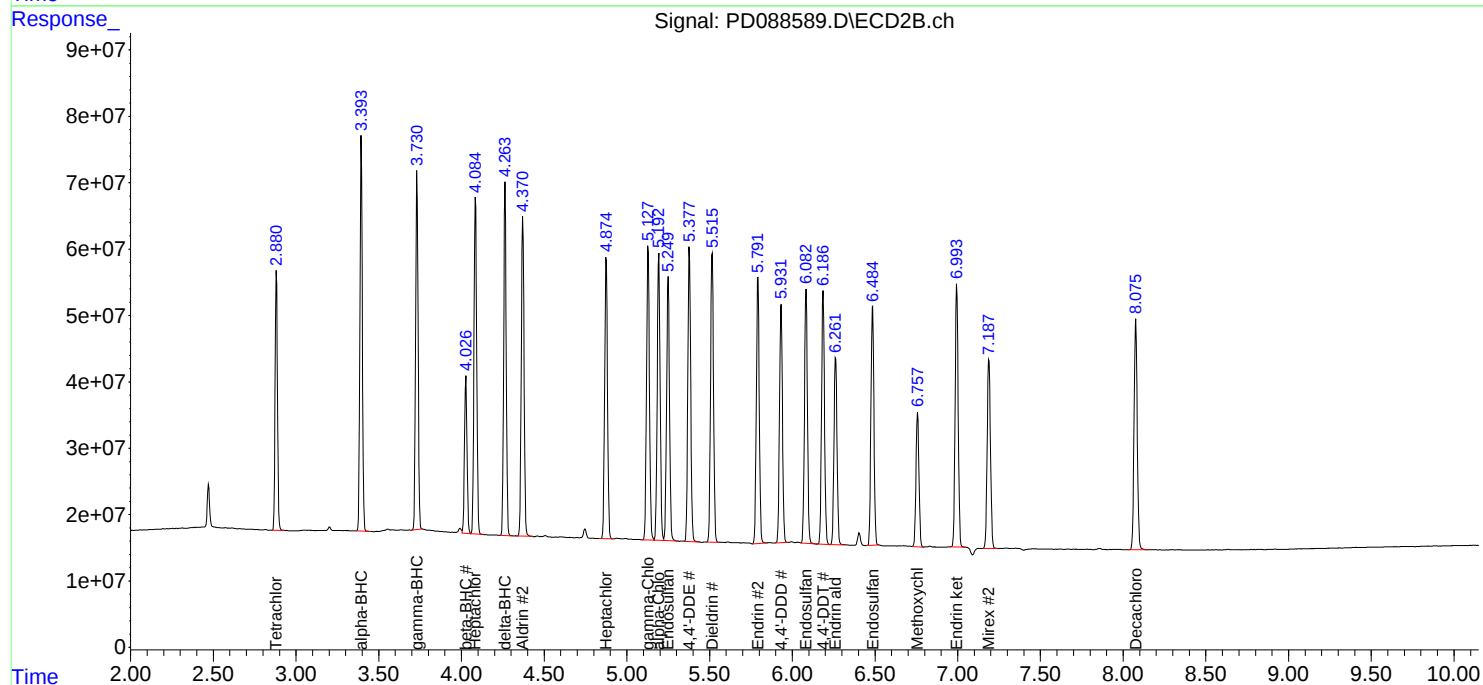
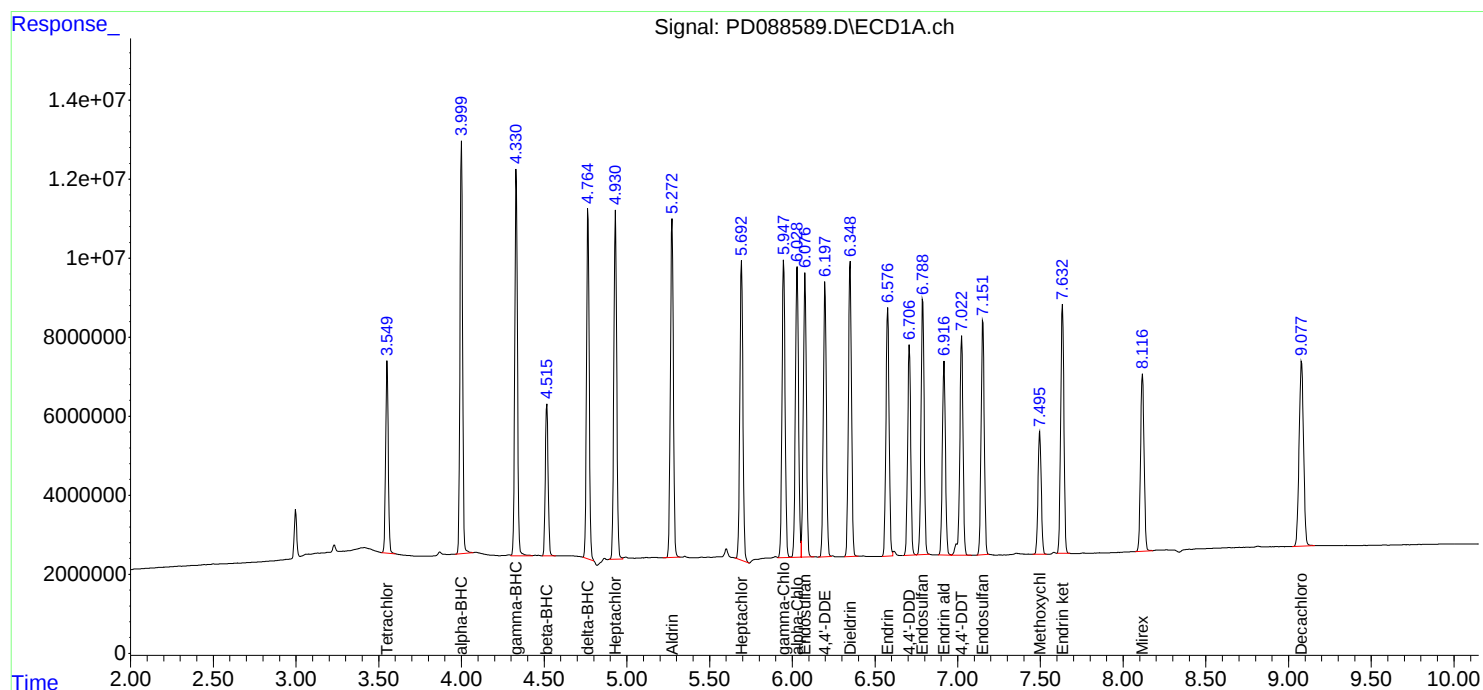
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

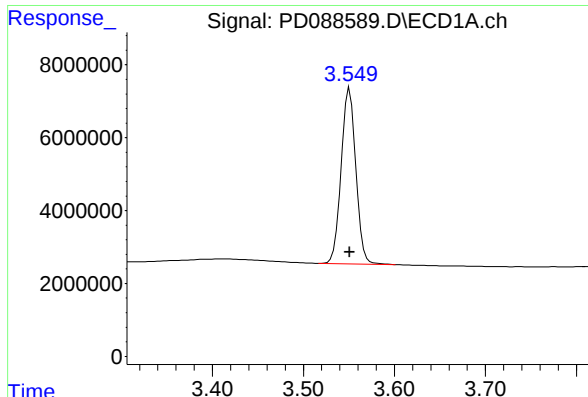
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088589.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:12
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:48:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 12:41:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

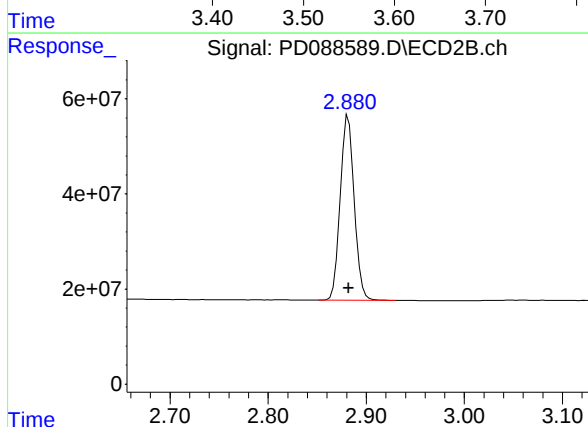




#1 Tetrachloro-m-xylene

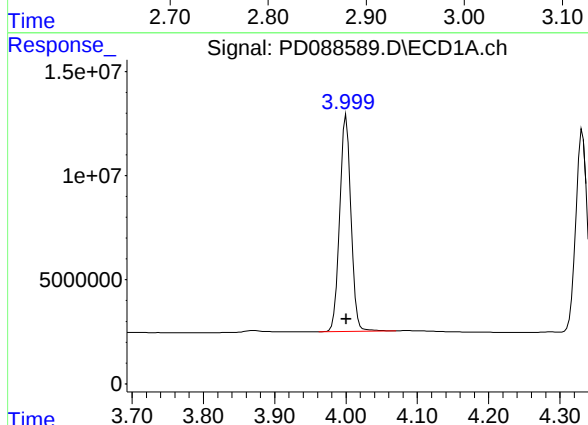
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 54028504
Conc: 25.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



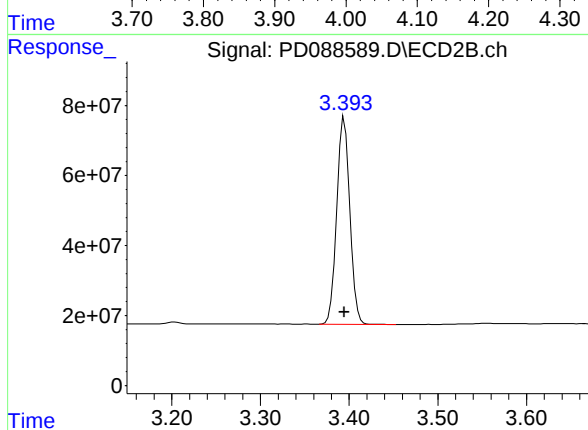
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 386442778
Conc: 26.61 ng/ml



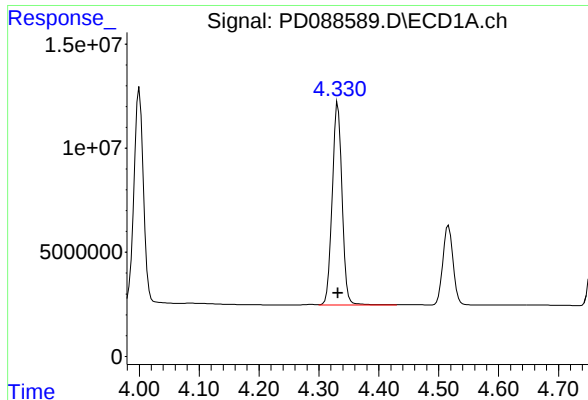
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 113962368
Conc: 23.28 ng/ml



#2 alpha-BHC

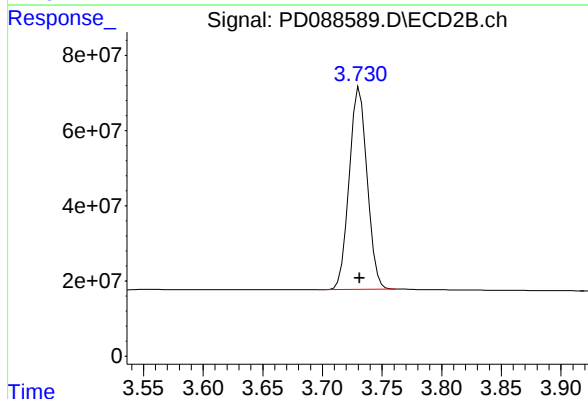
R.T.: 3.395 min
Delta R.T.: 0.000 min
Response: 606126161
Conc: 26.13 ng/ml



#3 gamma-BHC (Lindane)

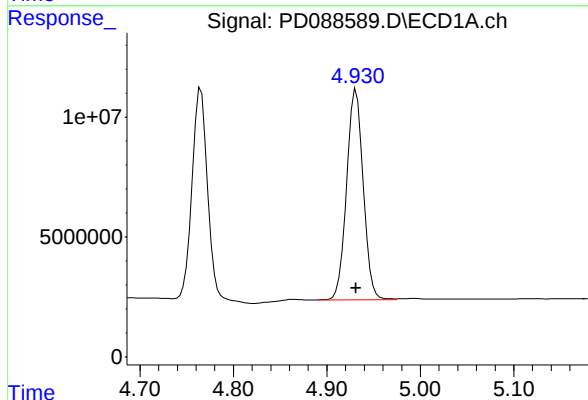
R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 110957941
Conc: 23.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



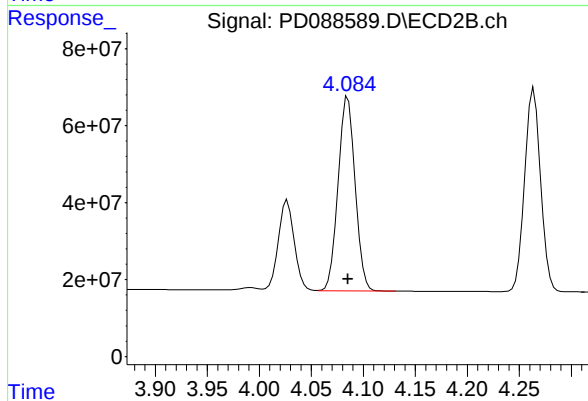
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.000 min
Response: 563362153
Conc: 26.26 ng/ml



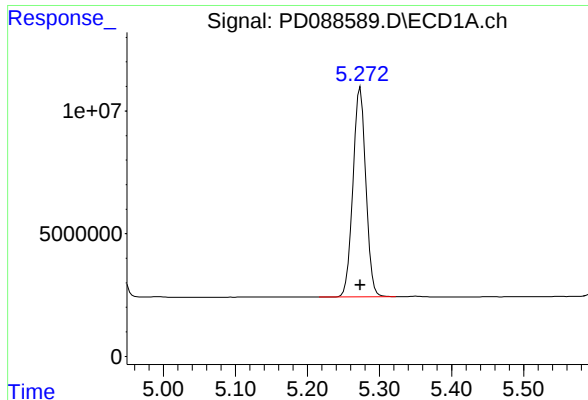
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 108392757
Conc: 24.20 ng/ml



#4 Heptachlor

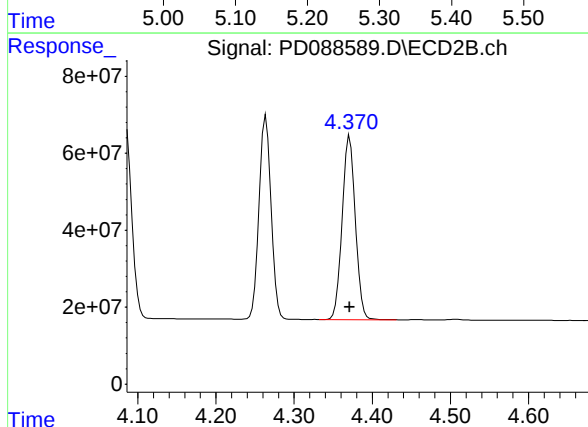
R.T.: 4.085 min
Delta R.T.: 0.000 min
Response: 575281687
Conc: 26.69 ng/ml



#5 Aldrin

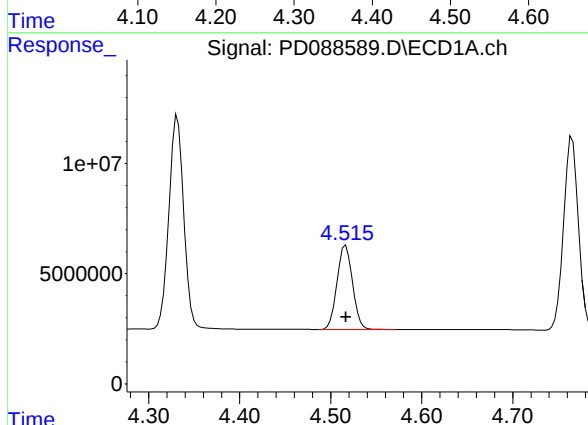
R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 106262467
Conc: 24.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



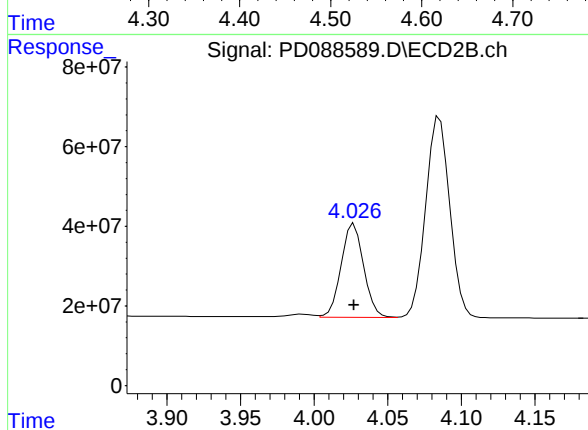
#5 Aldrin

R.T.: 4.371 min
Delta R.T.: 0.000 min
Response: 561524404
Conc: 26.58 ng/ml



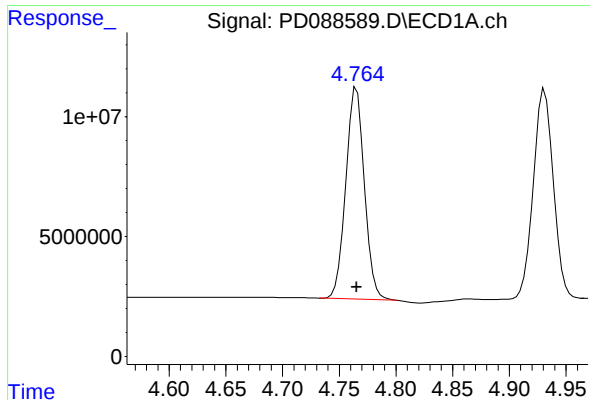
#6 beta-BHC

R.T.: 4.517 min
Delta R.T.: 0.000 min
Response: 45318541
Conc: 25.69 ng/ml



#6 beta-BHC

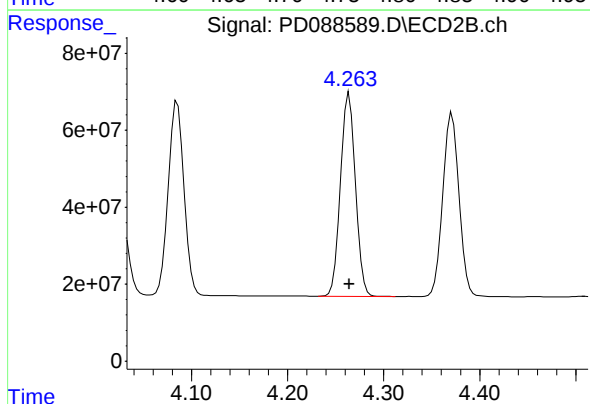
R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 250289128
Conc: 27.02 ng/ml



#7 delta-BHC

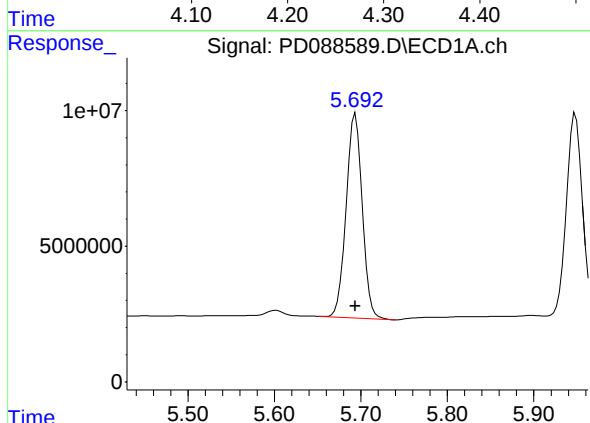
R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 100451593
Conc: 23.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



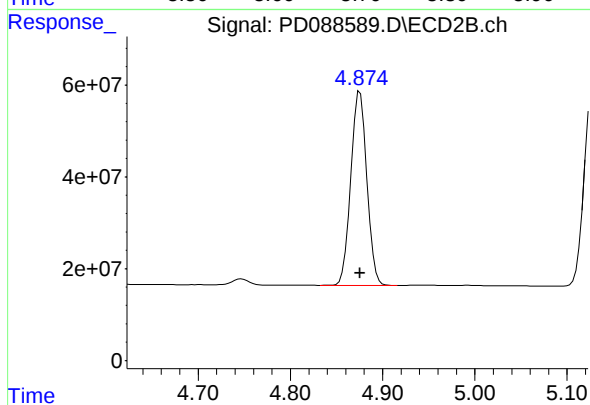
#7 delta-BHC

R.T.: 4.264 min
Delta R.T.: 0.000 min
Response: 564949502
Conc: 26.22 ng/ml



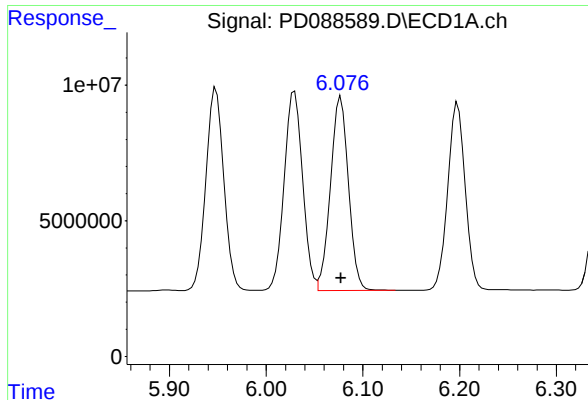
#8 Heptachlor epoxide

R.T.: 5.694 min
Delta R.T.: 0.000 min
Response: 97321186
Conc: 24.84 ng/ml



#8 Heptachlor epoxide

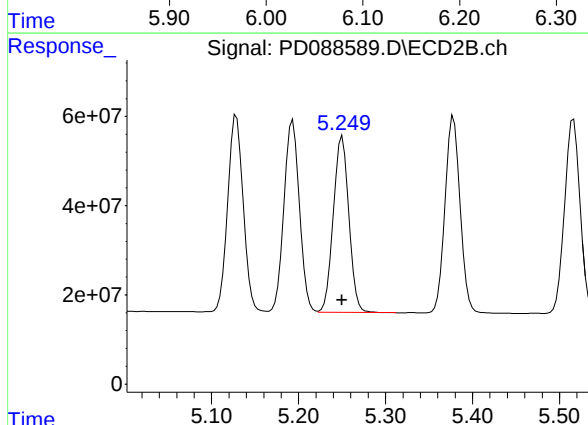
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 511064484
Conc: 26.93 ng/ml



#9 Endosulfan I

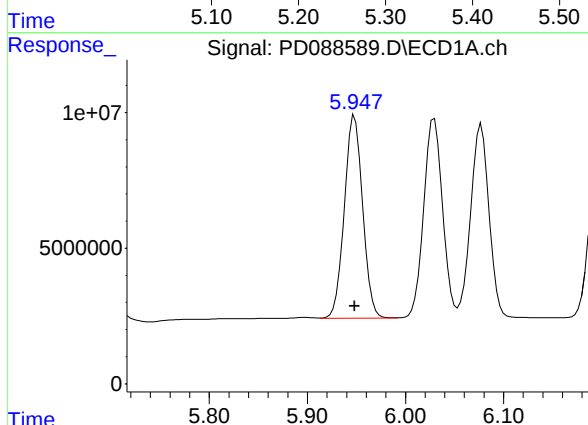
R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 92653177
Conc: 24.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



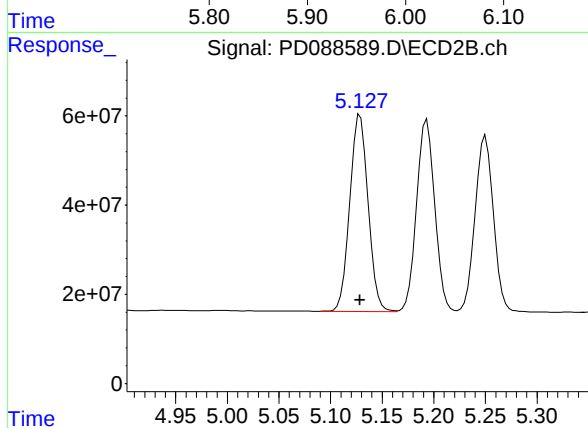
#9 Endosulfan I

R.T.: 5.250 min
Delta R.T.: 0.000 min
Response: 489191411
Conc: 26.98 ng/ml



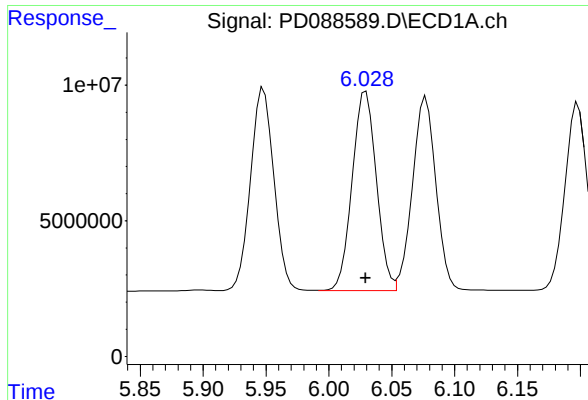
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 96967992
Conc: 24.39 ng/ml



#10 gamma-Chlordane

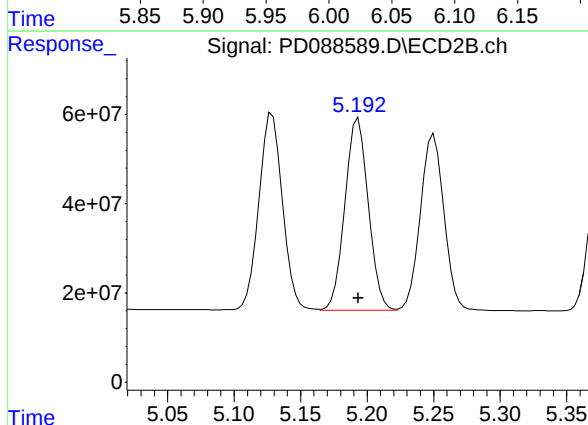
R.T.: 5.129 min
Delta R.T.: 0.000 min
Response: 544825233
Conc: 26.62 ng/ml



#11 alpha-Chlordane

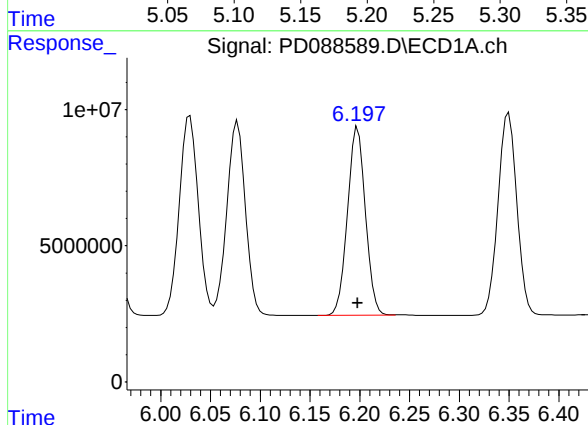
R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 98047542
Conc: 24.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



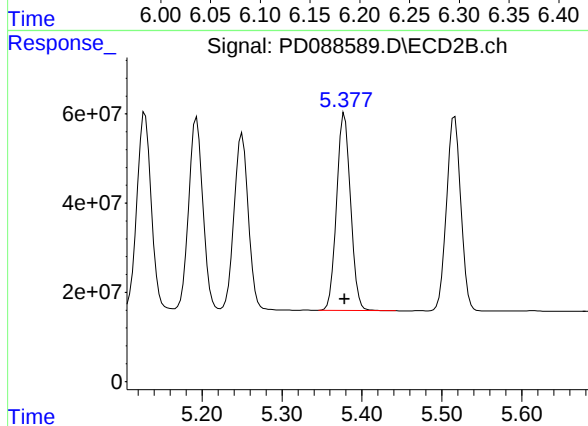
#11 alpha-Chlordane

R.T.: 5.193 min
Delta R.T.: 0.000 min
Response: 528388485
Conc: 26.74 ng/ml



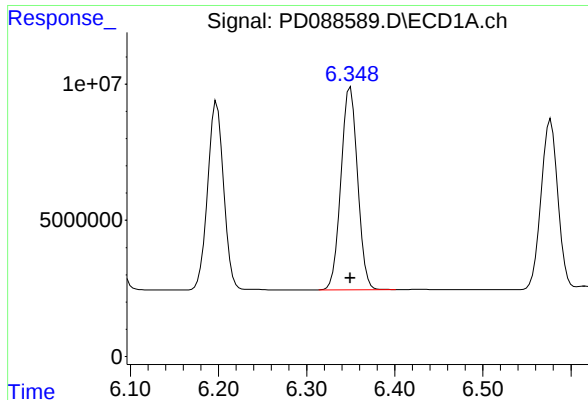
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.000 min
Response: 86803365
Conc: 24.03 ng/ml



#12 4,4'-DDE

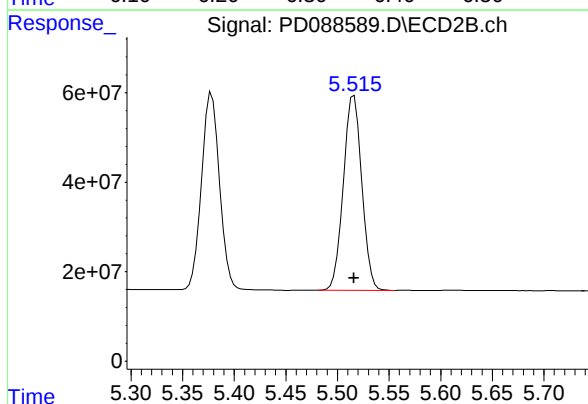
R.T.: 5.378 min
Delta R.T.: 0.000 min
Response: 535939153
Conc: 26.72 ng/ml



#13 Dieldrin

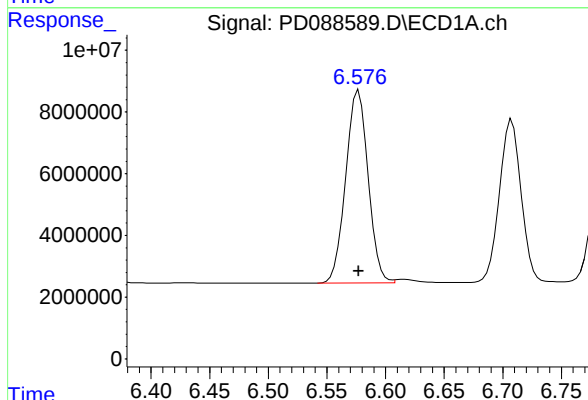
R.T.: 6.350 min
Delta R.T.: 0.000 min
Response: 97792162
Conc: 24.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



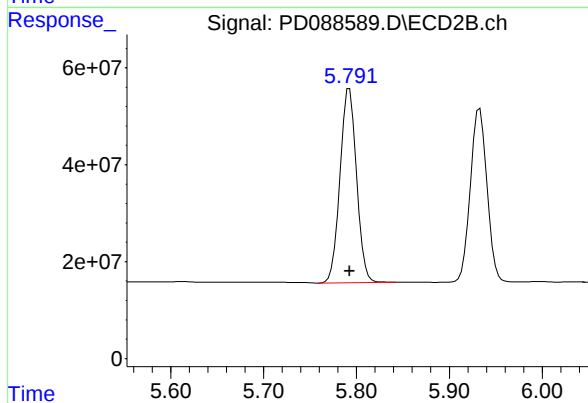
#13 Dieldrin

R.T.: 5.516 min
Delta R.T.: 0.000 min
Response: 540863285
Conc: 26.81 ng/ml



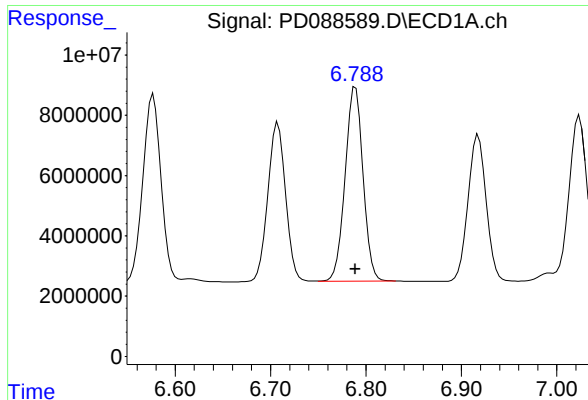
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.000 min
Response: 83064769
Conc: 24.32 ng/ml



#14 Endrin

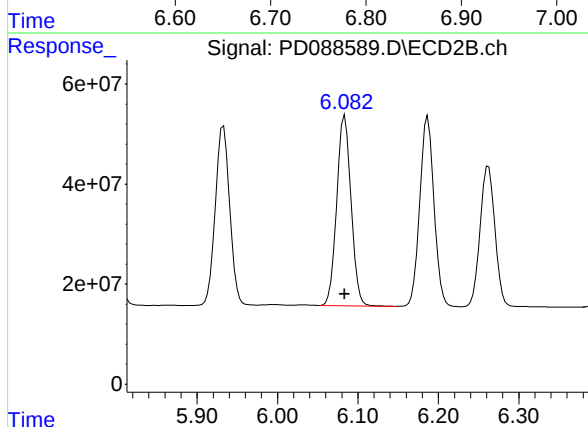
R.T.: 5.792 min
Delta R.T.: 0.000 min
Response: 496294417
Conc: 26.98 ng/ml



#15 Endosulfan II

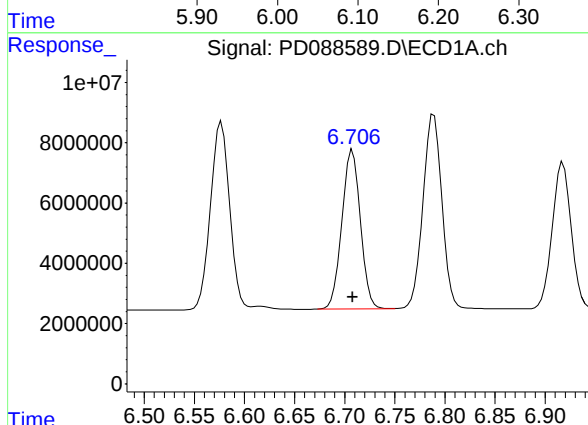
R.T.: 6.789 min
Delta R.T.: 0.000 min
Response: 84533008
Conc: 25.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



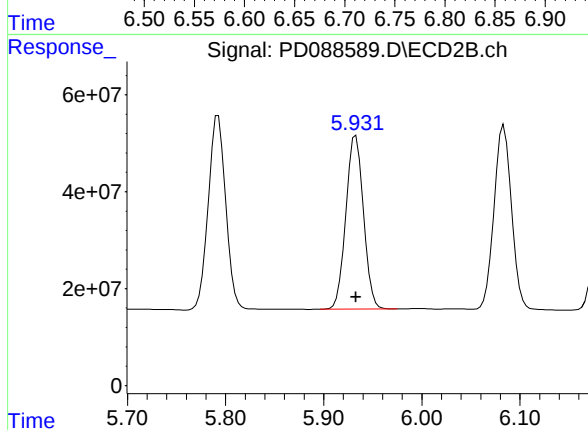
#15 Endosulfan II

R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 471956340
Conc: 26.98 ng/ml



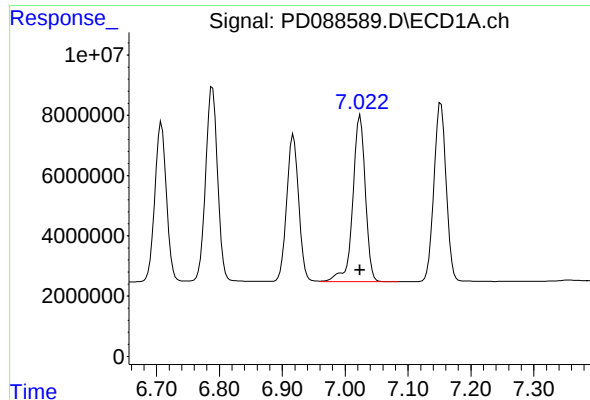
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.000 min
Response: 67771707
Conc: 24.20 ng/ml



#16 4,4'-DDD

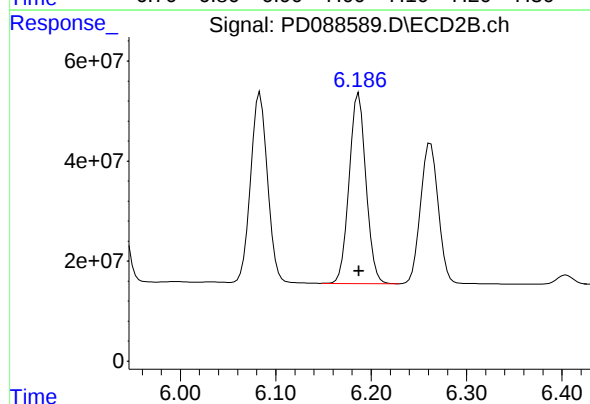
R.T.: 5.933 min
Delta R.T.: 0.000 min
Response: 446837046
Conc: 26.74 ng/ml



#17 4,4'-DDT

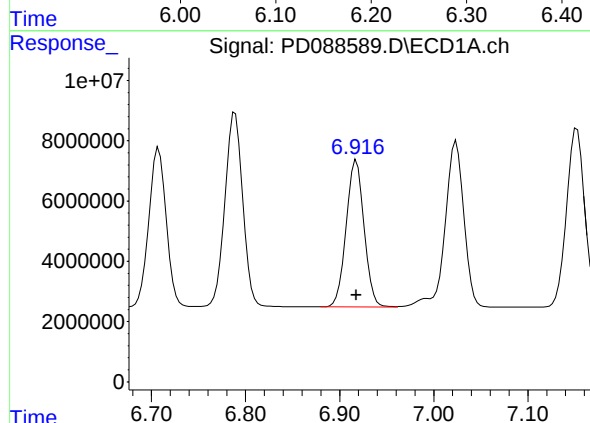
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 76236841
Conc: 24.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



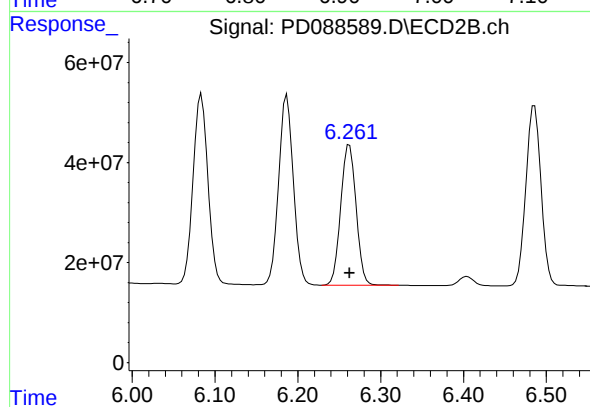
#17 4,4'-DDT

R.T.: 6.187 min
Delta R.T.: 0.000 min
Response: 468206865
Conc: 26.34 ng/ml



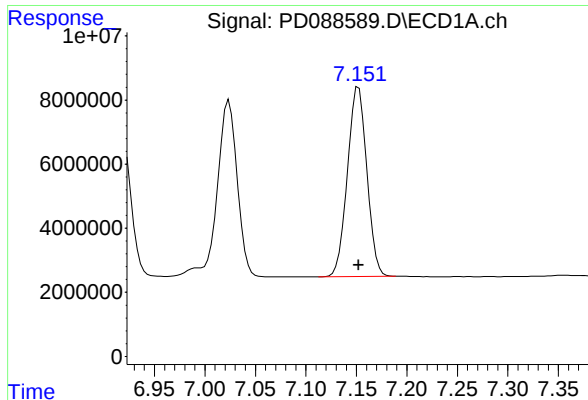
#18 Endrin aldehyde

R.T.: 6.918 min
Delta R.T.: 0.000 min
Response: 64337678
Conc: 25.62 ng/ml



#18 Endrin aldehyde

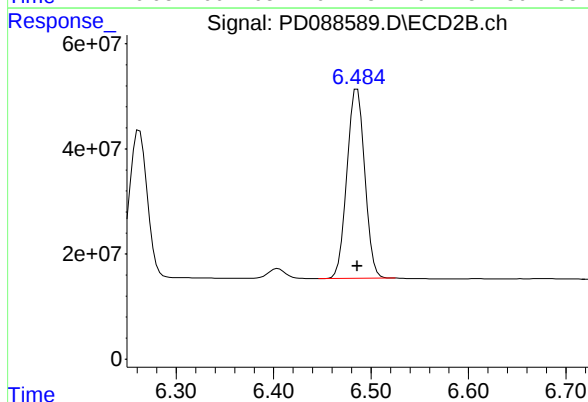
R.T.: 6.262 min
Delta R.T.: 0.000 min
Response: 361136939
Conc: 27.35 ng/ml



#19 Endosulfan Sulfate

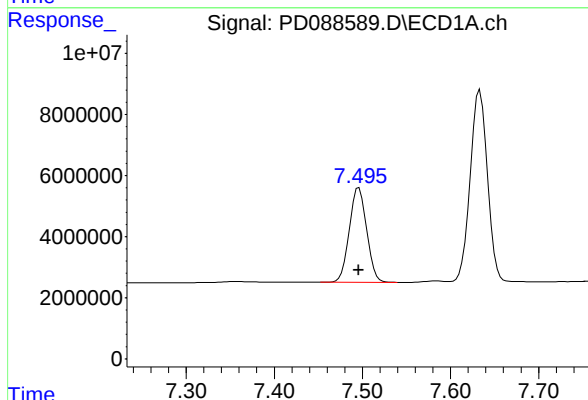
R.T.: 7.152 min
Delta R.T.: 0.000 min
Response: 79398597
Conc: 25.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



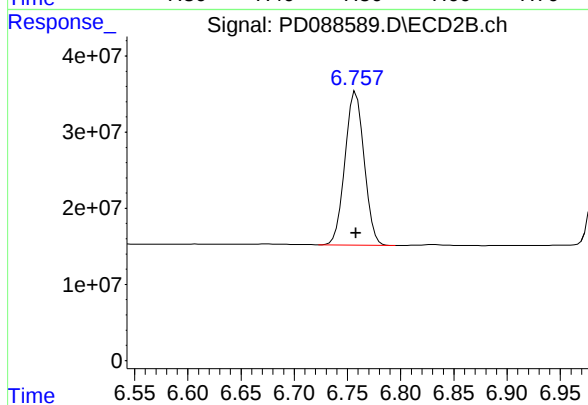
#19 Endosulfan Sulfate

R.T.: 6.486 min
Delta R.T.: 0.000 min
Response: 457737677
Conc: 27.05 ng/ml



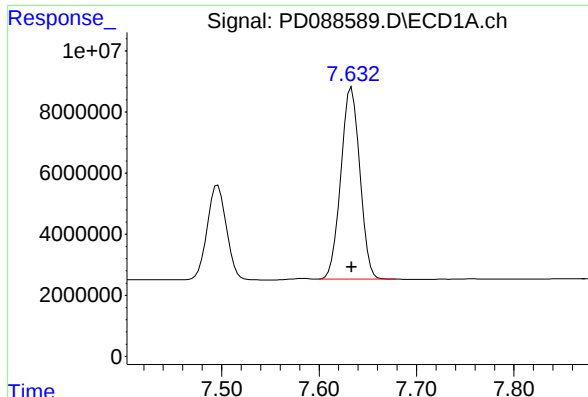
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.000 min
Response: 42446886
Conc: 26.00 ng/ml



#20 Methoxychlor

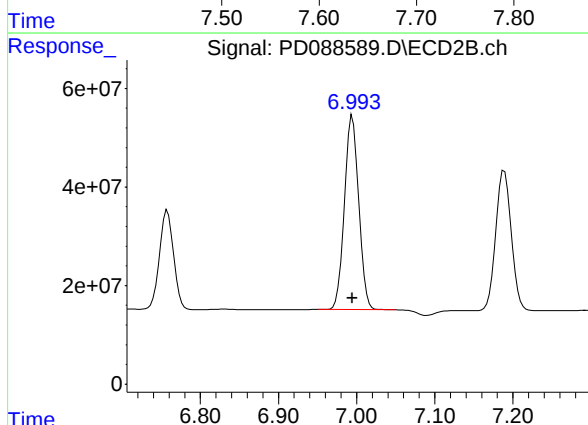
R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 251459859
Conc: 27.39 ng/ml



#21 Endrin ketone

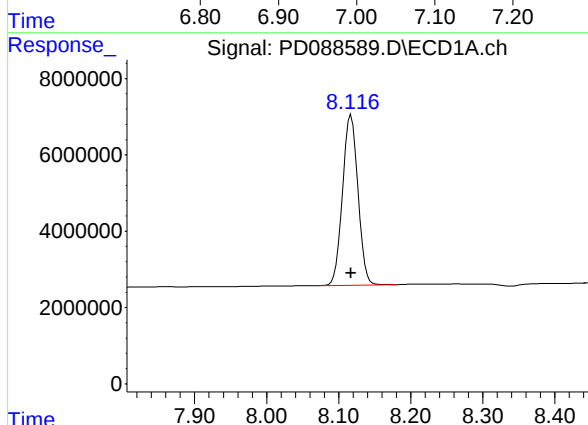
R.T.: 7.633 min
Delta R.T.: 0.000 min
Response: 84948689
Conc: 25.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



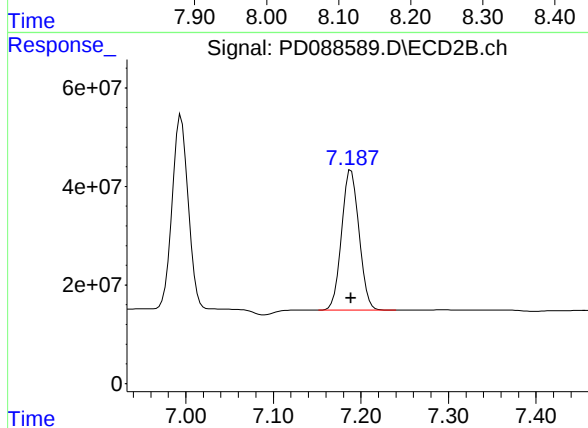
#21 Endrin ketone

R.T.: 6.995 min
Delta R.T.: 0.000 min
Response: 501570732
Conc: 27.14 ng/ml



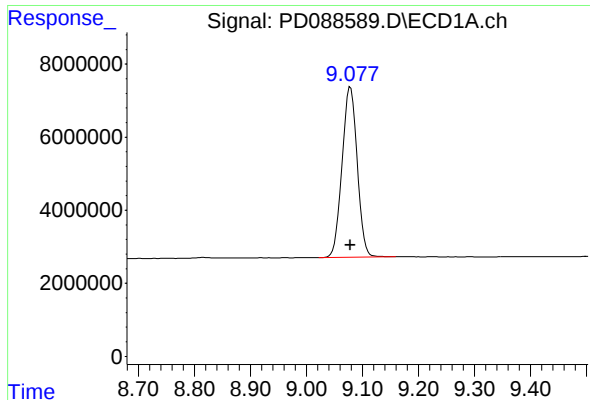
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 66265705
Conc: 26.61 ng/ml



#22 Mirex

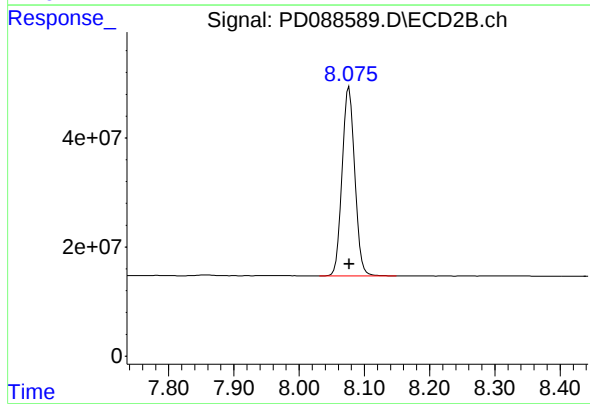
R.T.: 7.189 min
Delta R.T.: 0.000 min
Response: 393564252
Conc: 27.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.079 min
Delta R.T.: 0.000 min
Response: 87605286
Conc: 26.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 8.077 min
Delta R.T.: 0.000 min
Response: 467684783
Conc: 27.05 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
 Data File : PD088590.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 12:25
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/20/2025

Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 12:51:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 12:41:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	2.882	11569731	87743326	5.347	5.800
28) SA Decachlor...	9.077	8.076	19763753	110.7E6	5.775	6.062
Target Compounds						
2) A alpha-BHC	4.000	3.394	21526558	133.6E6	4.507	5.590
3) MA gamma-BHC...	4.331	3.731	21657318	125.1E6	4.705	5.645
4) MA Heptachlor	4.930	4.084	22201889	130.3E6	4.940m	5.801
5) MB Aldrin	5.273	4.370	21861853	125.7E6	4.975	5.734
6) B beta-BHC	4.516	4.027	9793458	58294427	5.431	5.984
7) B delta-BHC	4.764	4.264	20011375	126.5E6	4.735	5.674
8) B Heptachlo...	5.691	4.874	20863576	117.3E6	5.267m	5.903
9) A Endosulfan I	6.076	5.249	19604836	111.8E6	5.210	5.892
10) B gamma-Chl...	5.948	5.128	20203660	123.9E6	5.065	5.808
11) B alpha-Chl...	6.029	5.192	20755365	120.4E6	5.181	5.840
12) B 4,4'-DDE	6.198	5.378	17503651	121.5E6	4.877	5.812
13) MA Dieldrin	6.349	5.515	19976132	122.7E6	4.979	5.830
14) MA Endrin	6.577	5.792	17082110	114.2E6	5.002	5.923
15) B Endosulfa...	6.788	6.083	18646050	108.1E6	5.415	5.903
16) A 4,4'-DDD	6.707	5.932	13611843	100.6E6	4.887	5.786
17) MA 4,4'-DDT	7.023	6.186	15258865	97907648	4.887	5.398
18) B Endrin al...	6.917	6.261	14132008	84167396	5.489	6.043
19) B Endosulfa...	7.152	6.485	17063513	105.5E6	5.327	5.940
20) A Methoxychlor	7.496	6.758	9112300	55786563	5.455	5.826
21) B Endrin ke...	7.633	6.995	17773939	114.1E6	5.192	5.898
22) Mirex	8.117	7.189	15159249	92799571	5.834	6.104

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088590.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:25
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

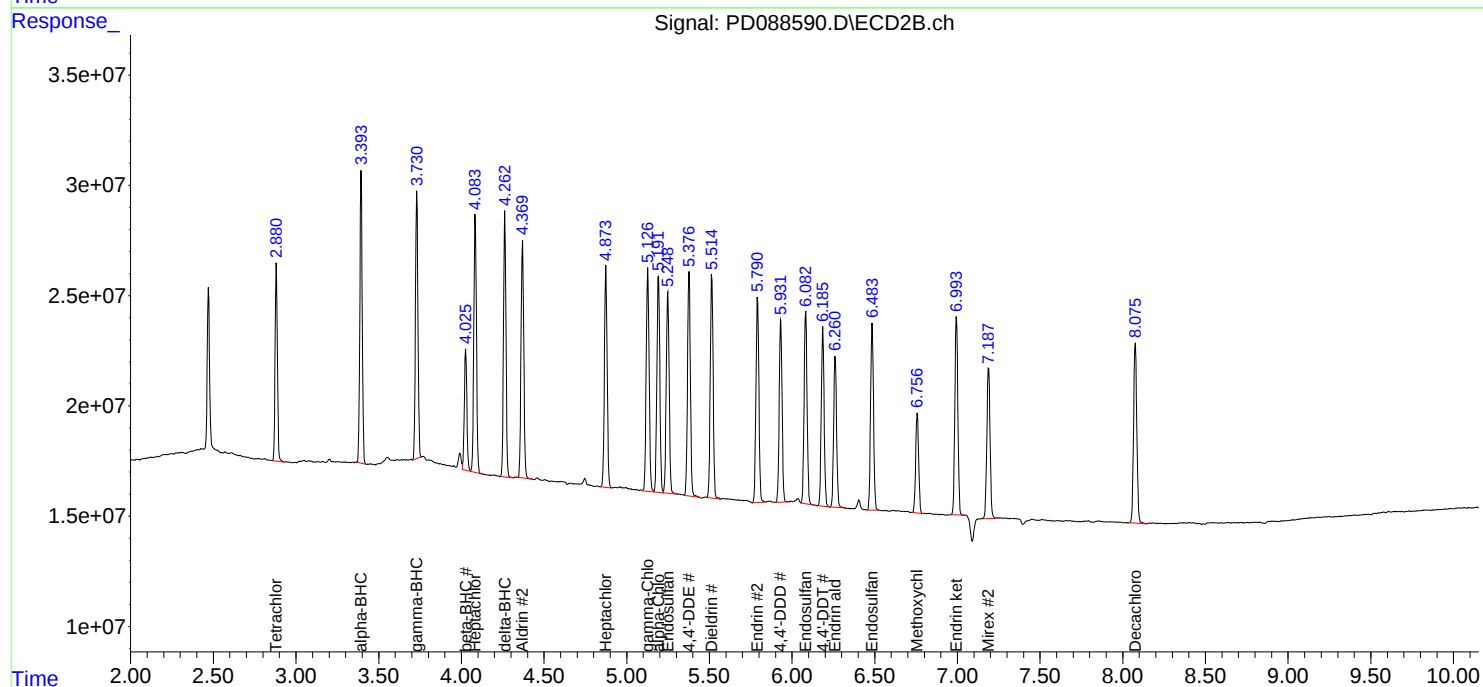
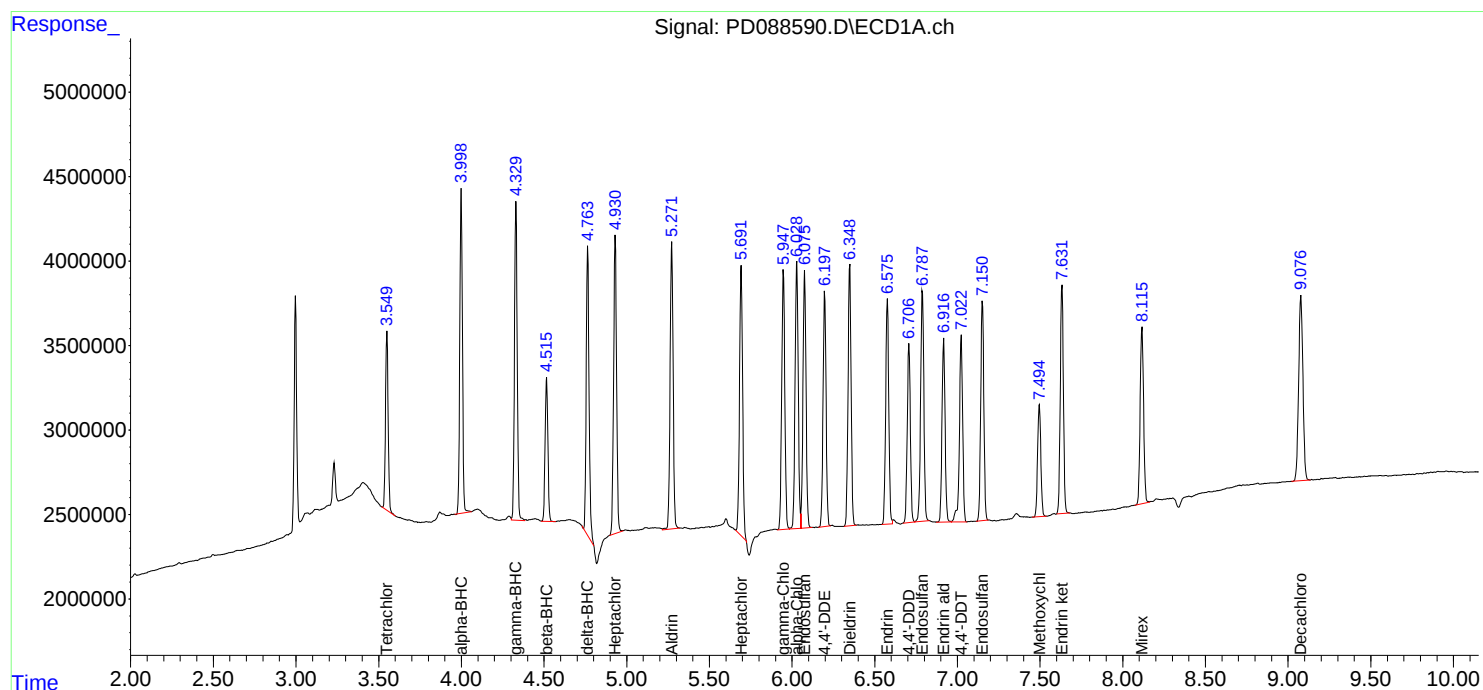
APPROVED

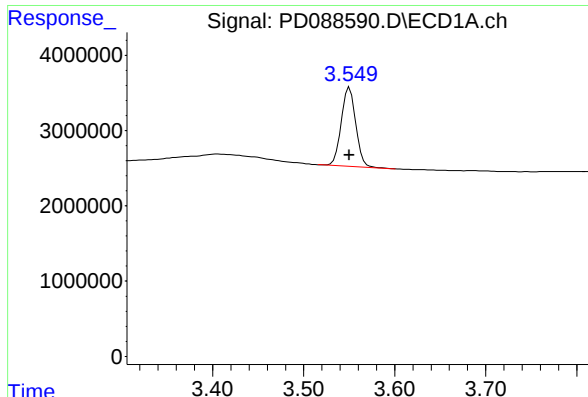
Reviewed By :Abdul Mirza 05/20/2025

Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:51:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 12:41:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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





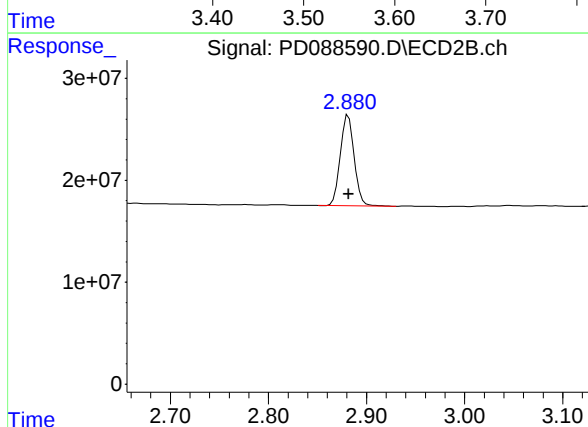
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 11569731
Conc: 5.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

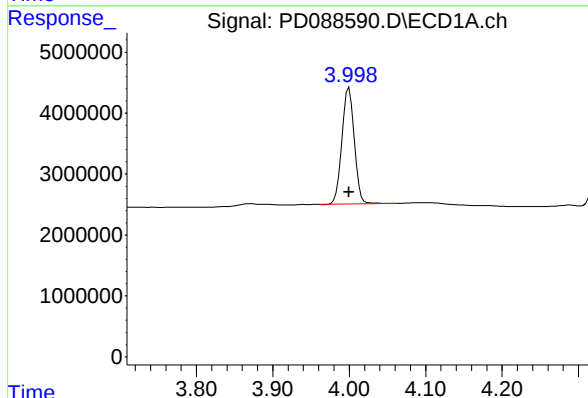
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



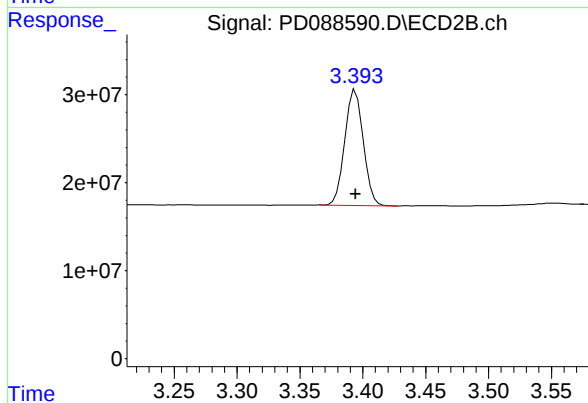
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 87743326
Conc: 5.80 ng/ml



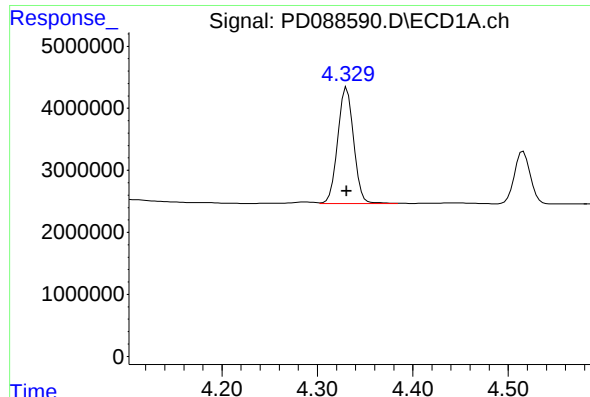
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 21526558
Conc: 4.51 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 133631486
Conc: 5.59 ng/ml



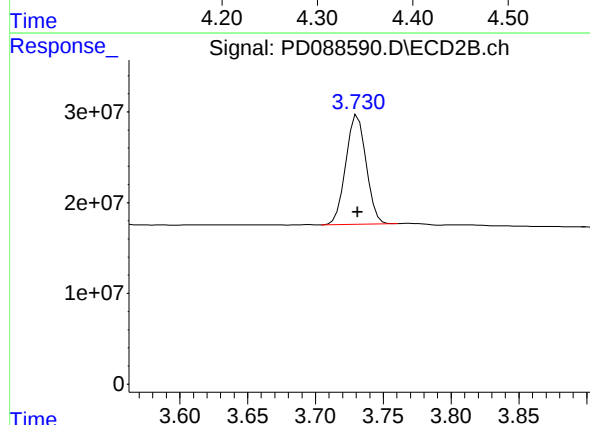
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 21657318
Conc: 4.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

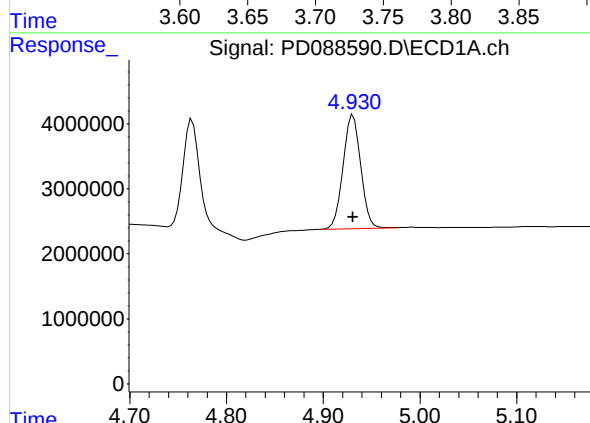
Manual Integrations
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Supervised By :mohammad ahmed 05/21/2025



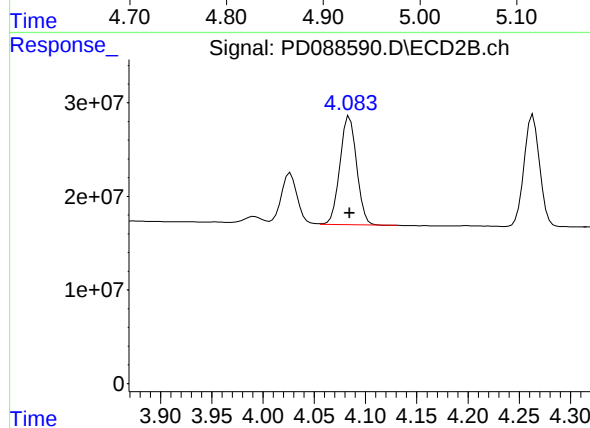
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.000 min
Response: 125133932
Conc: 5.65 ng/ml



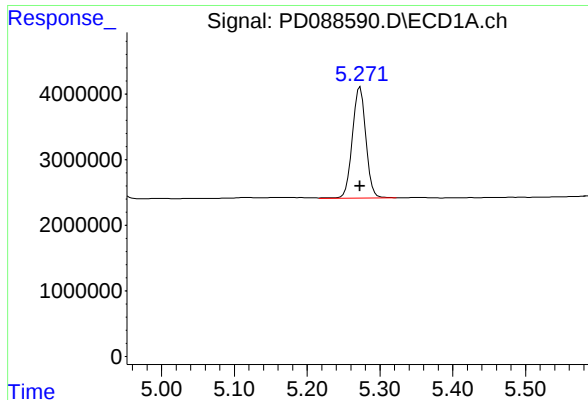
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: -0.001 min
Response: 22201889
Conc: 4.94 ng/ml m



#4 Heptachlor

R.T.: 4.084 min
Delta R.T.: 0.000 min
Response: 130254372
Conc: 5.80 ng/ml



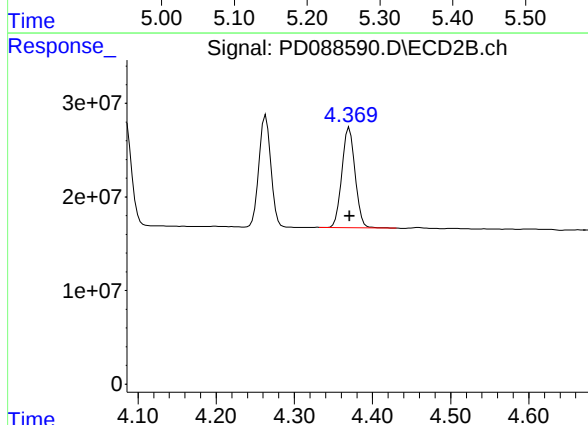
#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 21861853
Conc: 4.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

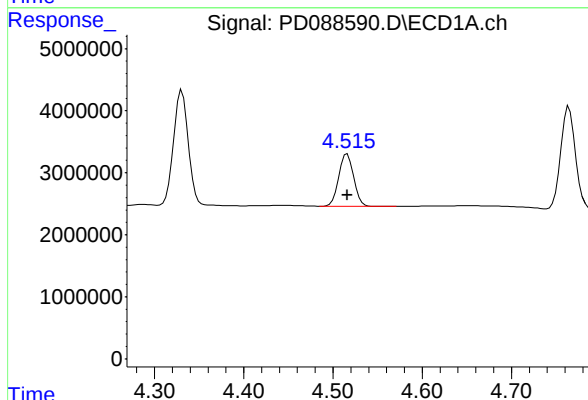
Manual Integrations
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Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



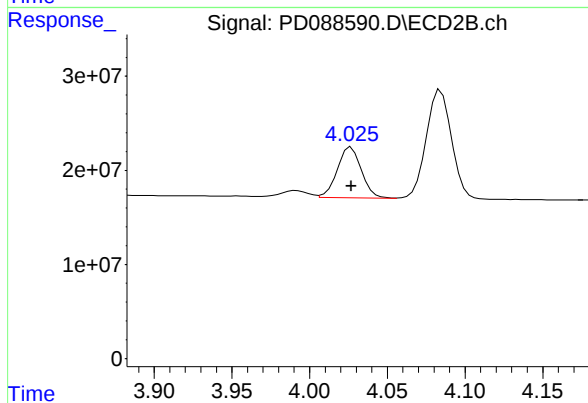
#5 Aldrin

R.T.: 4.370 min
Delta R.T.: 0.000 min
Response: 125739574
Conc: 5.73 ng/ml



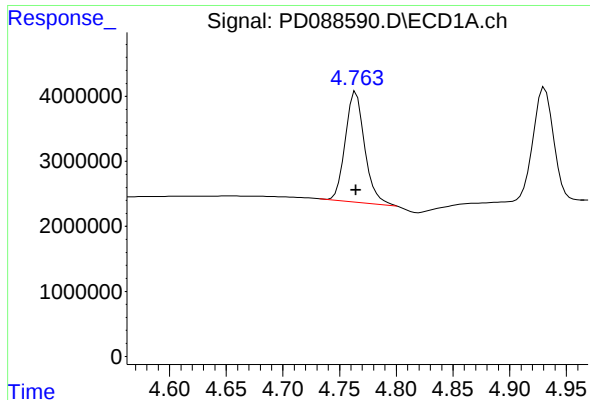
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 9793458
Conc: 5.43 ng/ml



#6 beta-BHC

R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 58294427
Conc: 5.98 ng/ml



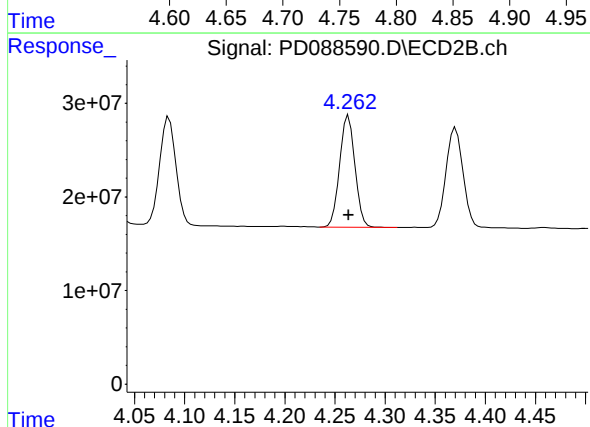
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 20011375
Conc: 4.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

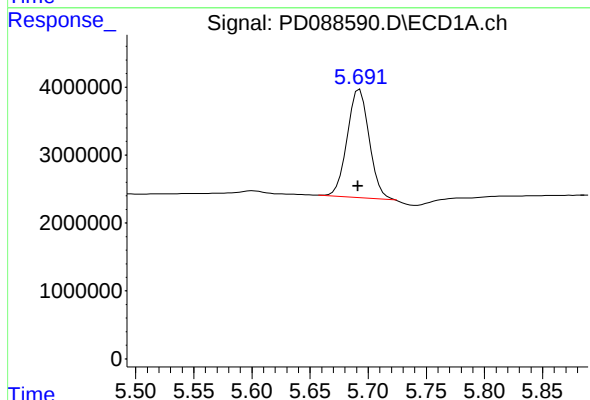
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



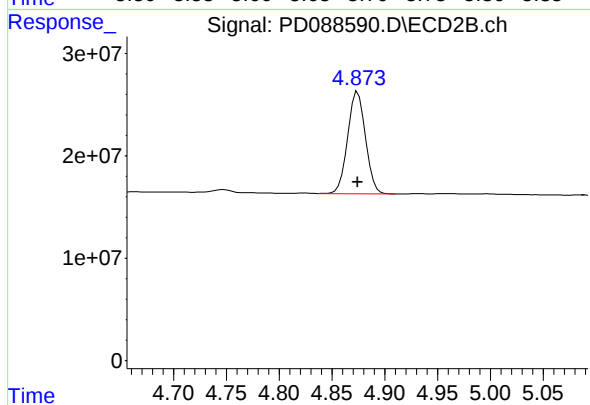
#7 delta-BHC

R.T.: 4.264 min
Delta R.T.: 0.000 min
Response: 126492727
Conc: 5.67 ng/ml



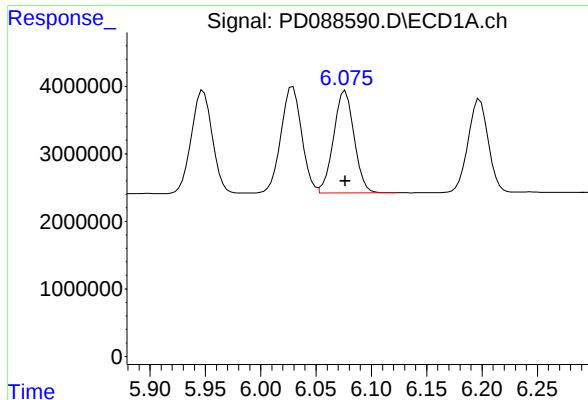
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 20863576
Conc: 5.27 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.874 min
Delta R.T.: 0.000 min
Response: 117295268
Conc: 5.90 ng/ml



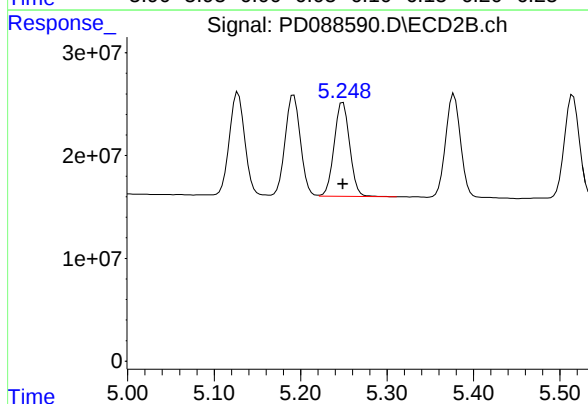
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 19604836
Conc: 5.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

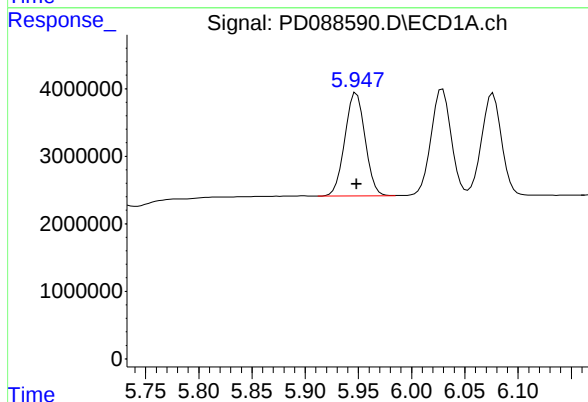
Manual Integrations
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Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



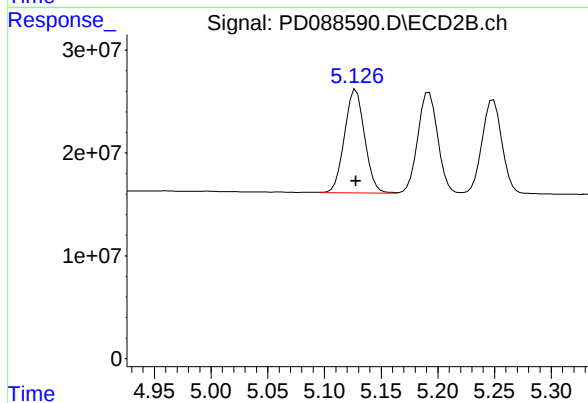
#9 Endosulfan I

R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 111827302
Conc: 5.89 ng/ml



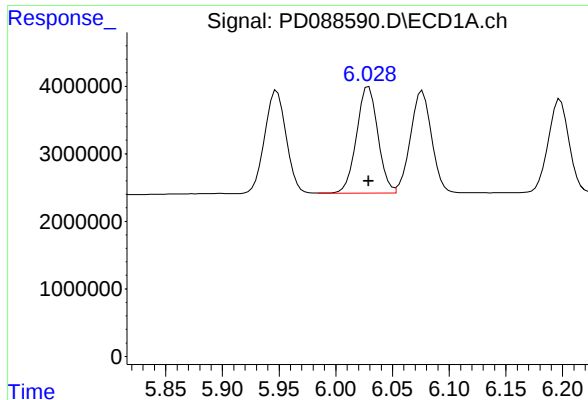
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 20203660
Conc: 5.06 ng/ml



#10 gamma-Chlordane

R.T.: 5.128 min
Delta R.T.: 0.000 min
Response: 123892575
Conc: 5.81 ng/ml



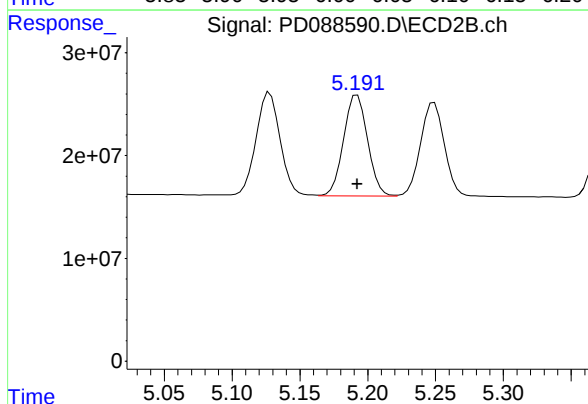
#11 alpha-Chlordane

R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 20755365
Conc: 5.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

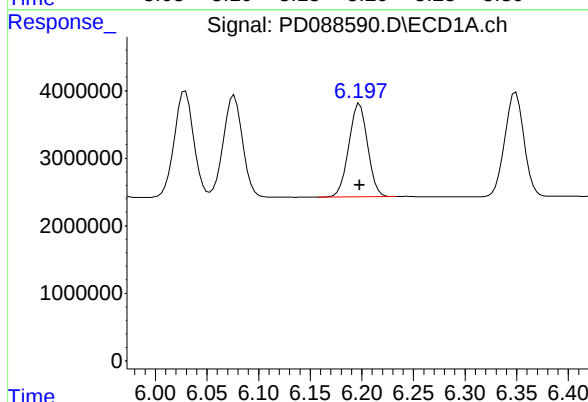
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



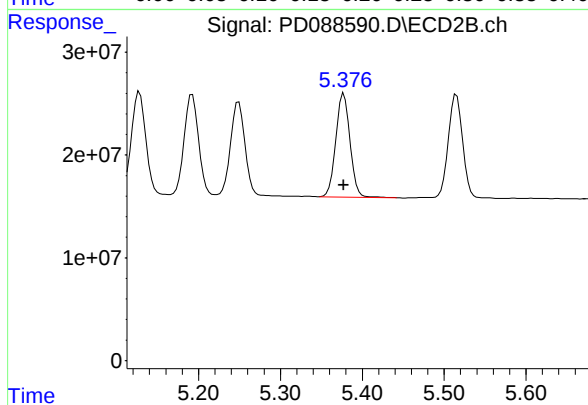
#11 alpha-Chlordane

R.T.: 5.192 min
Delta R.T.: 0.000 min
Response: 120444919
Conc: 5.84 ng/ml



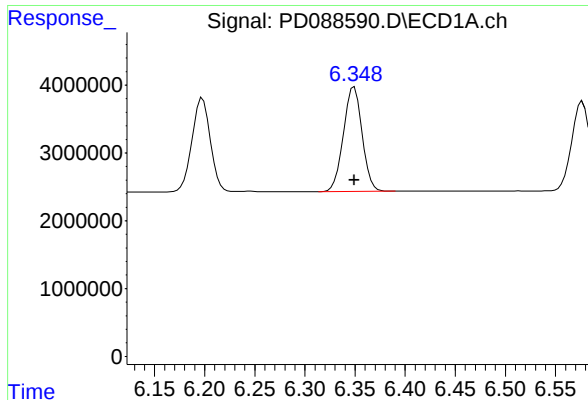
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.000 min
Response: 17503651
Conc: 4.88 ng/ml



#12 4,4'-DDE

R.T.: 5.378 min
Delta R.T.: 0.000 min
Response: 121489802
Conc: 5.81 ng/ml



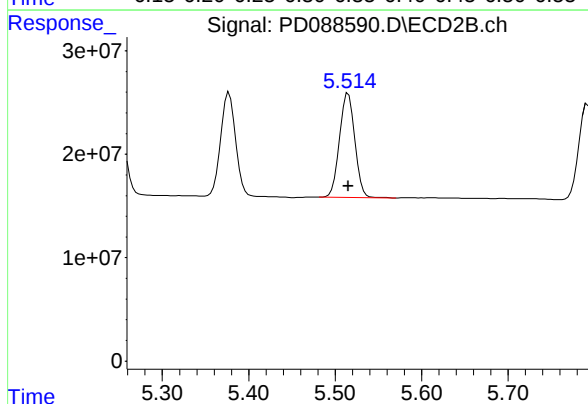
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 19976132
Conc: 4.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

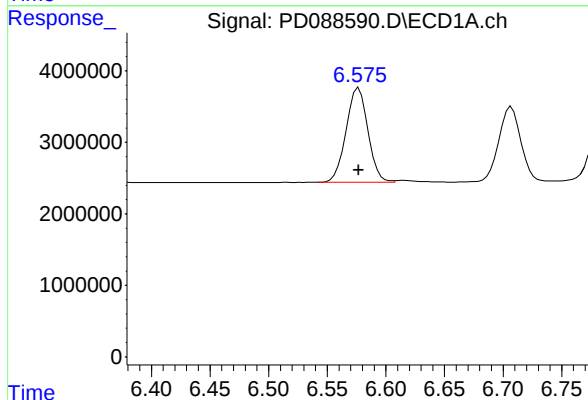
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



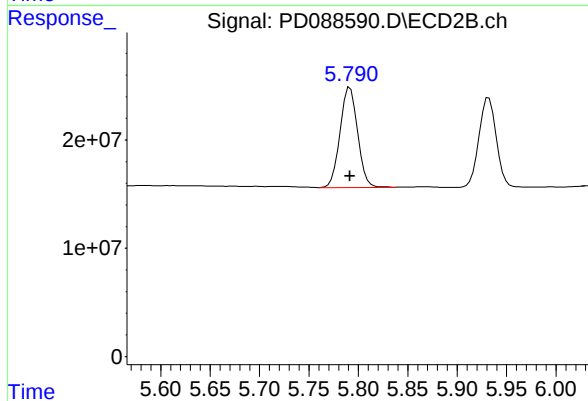
#13 Dieldrin

R.T.: 5.515 min
Delta R.T.: 0.000 min
Response: 122680748
Conc: 5.83 ng/ml



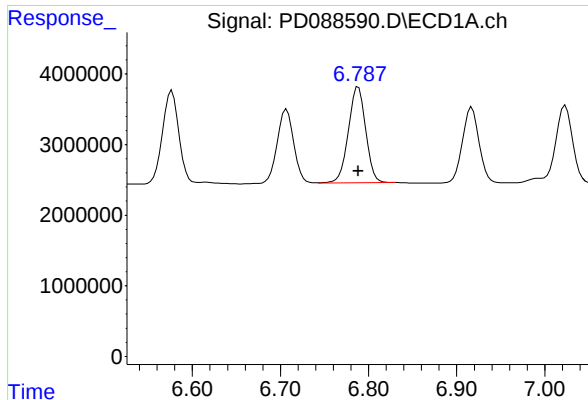
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.000 min
Response: 17082110
Conc: 5.00 ng/ml



#14 Endrin

R.T.: 5.792 min
Delta R.T.: 0.000 min
Response: 114212828
Conc: 5.92 ng/ml



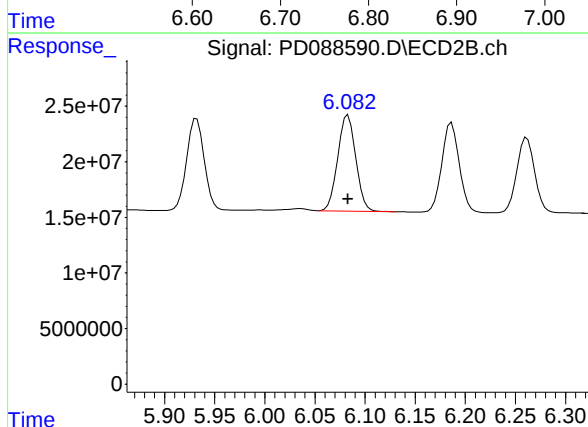
#15 Endosulfan II

R.T.: 6.788 min
Delta R.T.: 0.000 min
Response: 18646050
Conc: 5.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

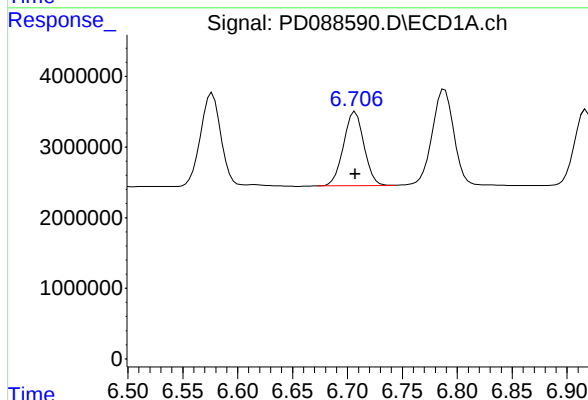
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



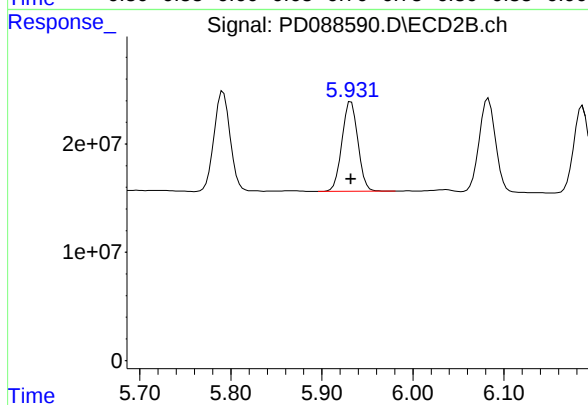
#15 Endosulfan II

R.T.: 6.083 min
Delta R.T.: 0.000 min
Response: 108145535
Conc: 5.90 ng/ml



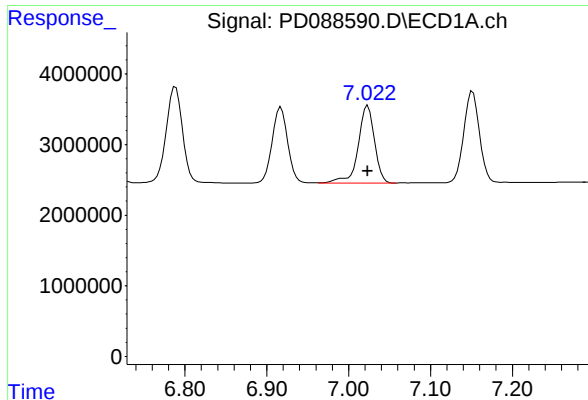
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 13611843
Conc: 4.89 ng/ml



#16 4,4'-DDD

R.T.: 5.932 min
Delta R.T.: 0.000 min
Response: 100635659
Conc: 5.79 ng/ml



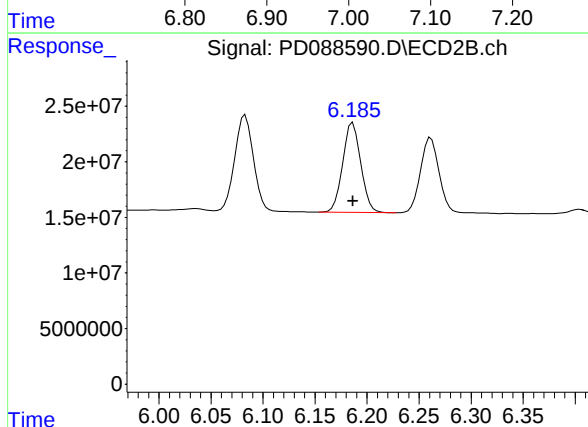
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 15258865
Conc: 4.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

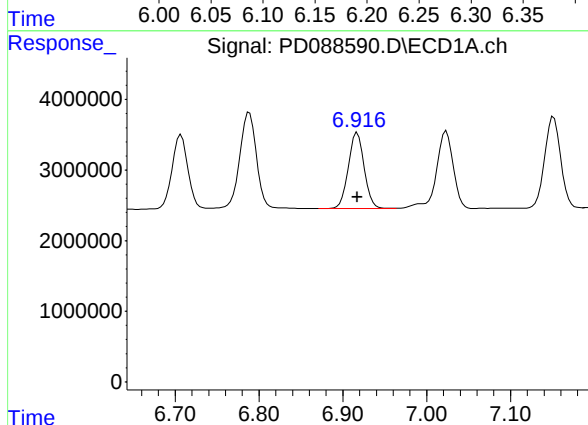
Manual Integrations
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Supervised By :mohammad ahmed 05/21/2025



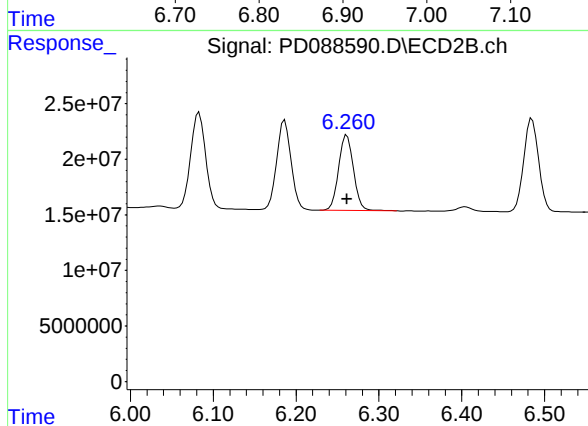
#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: 0.000 min
Response: 97907648
Conc: 5.40 ng/ml



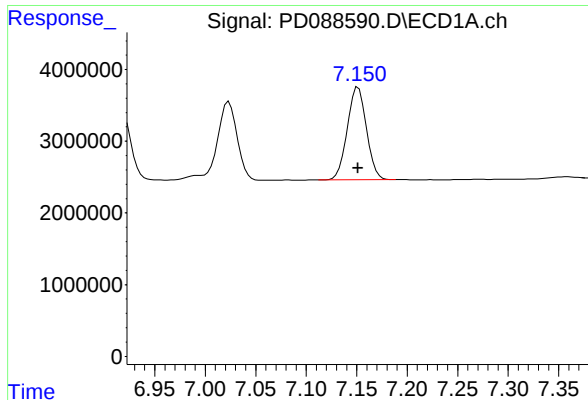
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.000 min
Response: 14132008
Conc: 5.49 ng/ml



#18 Endrin aldehyde

R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 84167396
Conc: 6.04 ng/ml



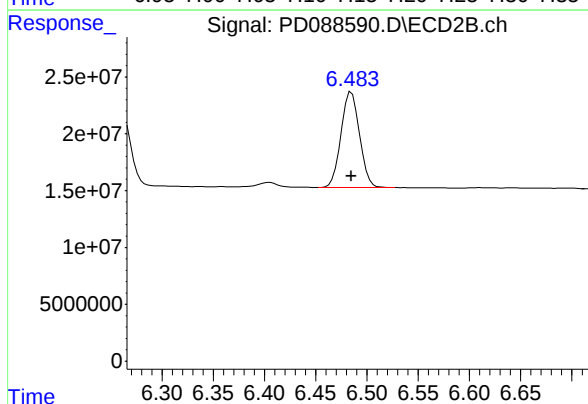
#19 Endosulfan Sulfate

R.T.: 7.152 min
Delta R.T.: 0.000 min
Response: 17063513
Conc: 5.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

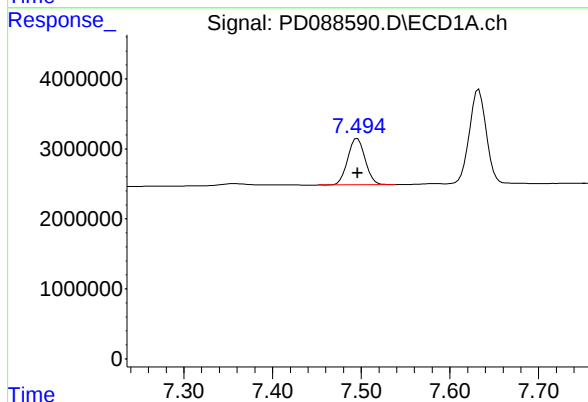
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



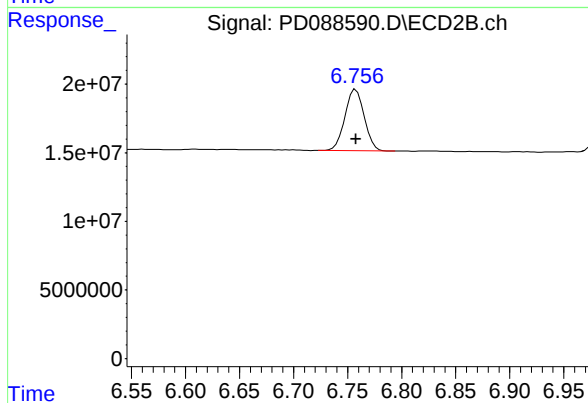
#19 Endosulfan Sulfate

R.T.: 6.485 min
Delta R.T.: 0.000 min
Response: 105463408
Conc: 5.94 ng/ml



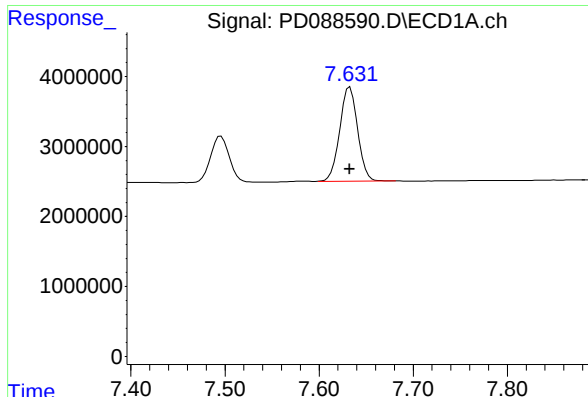
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.000 min
Response: 9112300
Conc: 5.45 ng/ml



#20 Methoxychlor

R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 55786563
Conc: 5.83 ng/ml



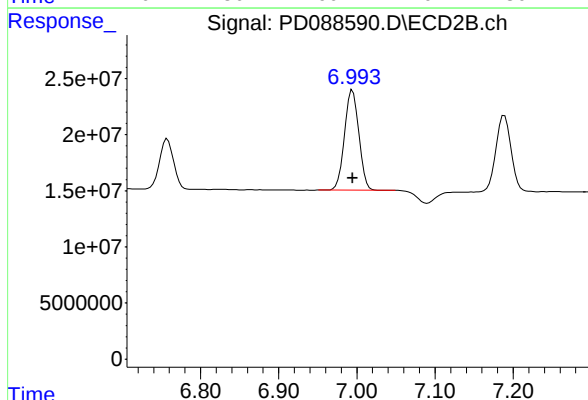
#21 Endrin ketone

R.T.: 7.633 min
Delta R.T.: 0.000 min
Response: 17773939
Conc: 5.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

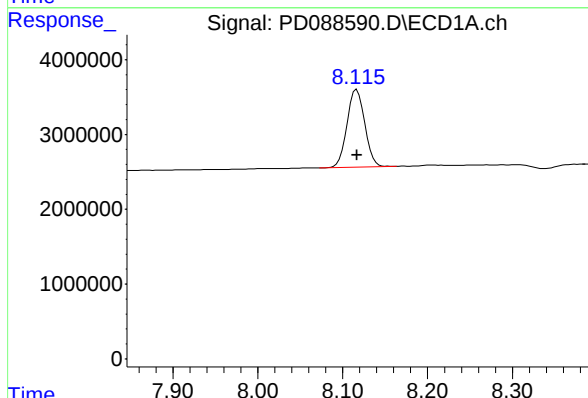
Manual Integrations
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Supervised By :mohammad ahmed 05/21/2025



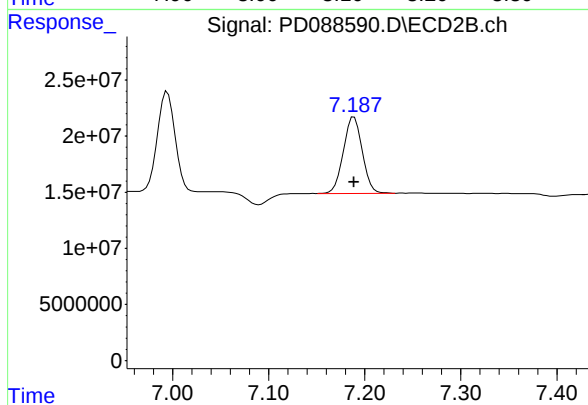
#21 Endrin ketone

R.T.: 6.995 min
Delta R.T.: 0.000 min
Response: 114101930
Conc: 5.90 ng/ml



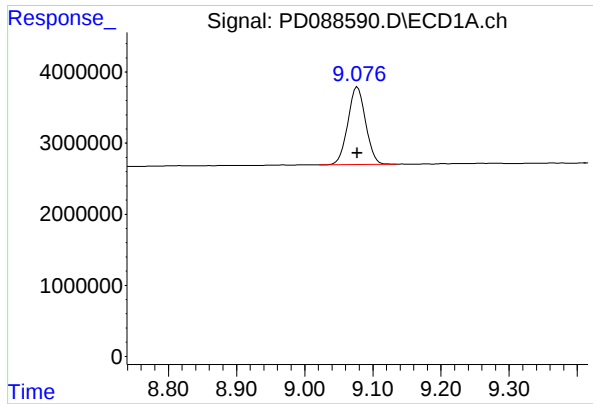
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 15159249
Conc: 5.83 ng/ml



#22 Mirex

R.T.: 7.189 min
Delta R.T.: 0.000 min
Response: 92799571
Conc: 6.10 ng/ml



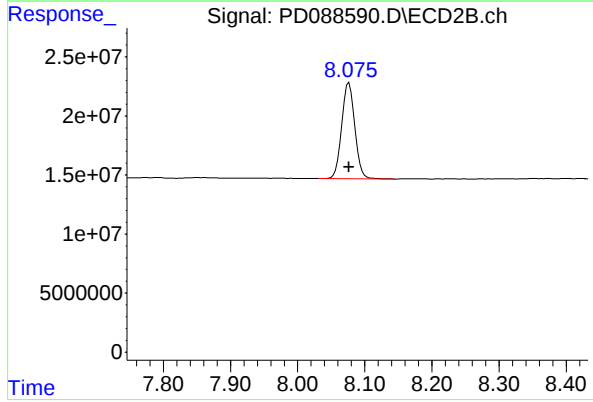
#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.000 min
Response: 19763753
Conc: 5.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Manual Integrations
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Supervised By :mohammad ahmed 05/21/2025



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 110669719
Conc: 6.06 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:06
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: May 19 13:27:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 13:26:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm 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	2.882	104.8E6	916.8E6	50.000	50.000
28) SA Decachlor...	9.077	8.077	161.3E6	859.8E6	50.000	50.000
Target Compounds						
23) Chlordane-1	4.717	3.907	87638607	406.5E6	500.000	500.000
24) Chlordane-2	5.243	4.489	89727196	411.3E6	500.000	500.000
25) Chlordane-3	5.949	5.128	370.7E6	1285.8E6	500.000	500.000
26) Chlordane-4	6.034	5.193	444.7E6	1071.5E6	500.000	500.000
27) Chlordane-5	6.873	6.093	75468131	491.5E6	500.000	500.000

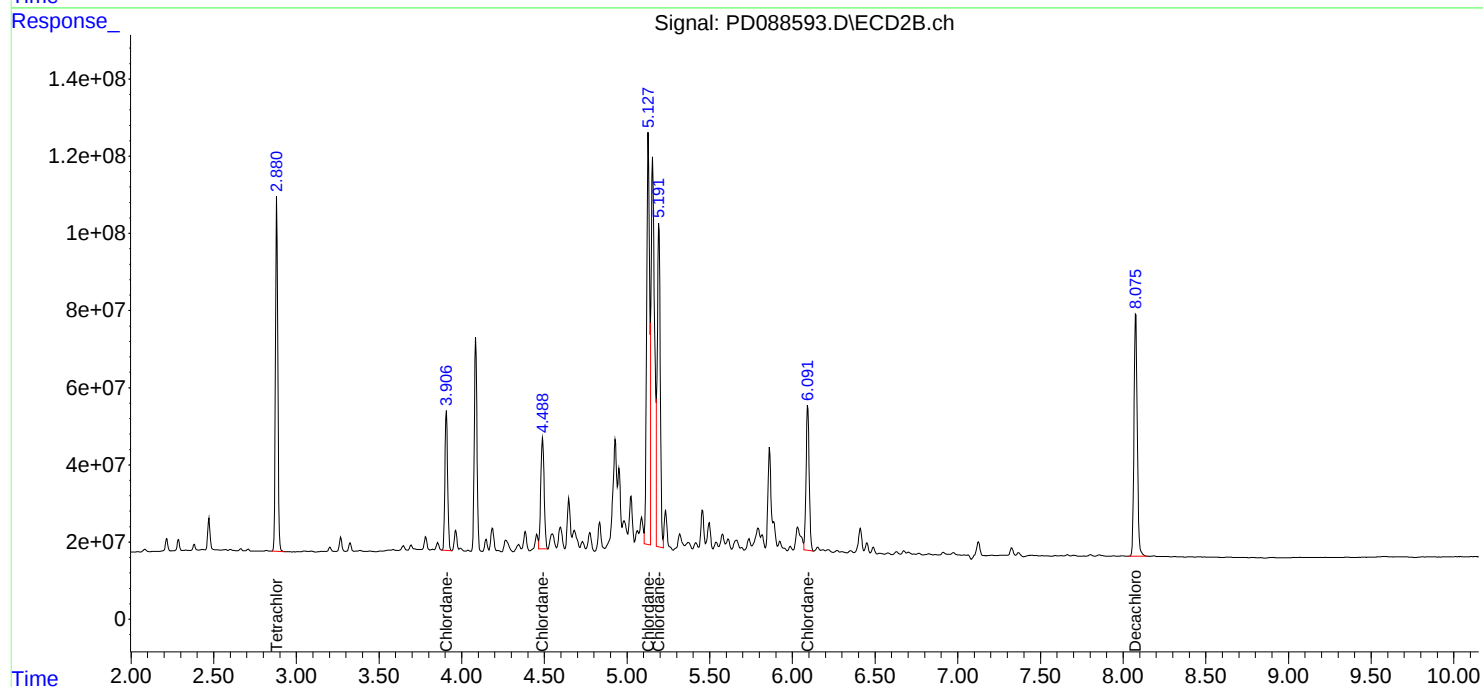
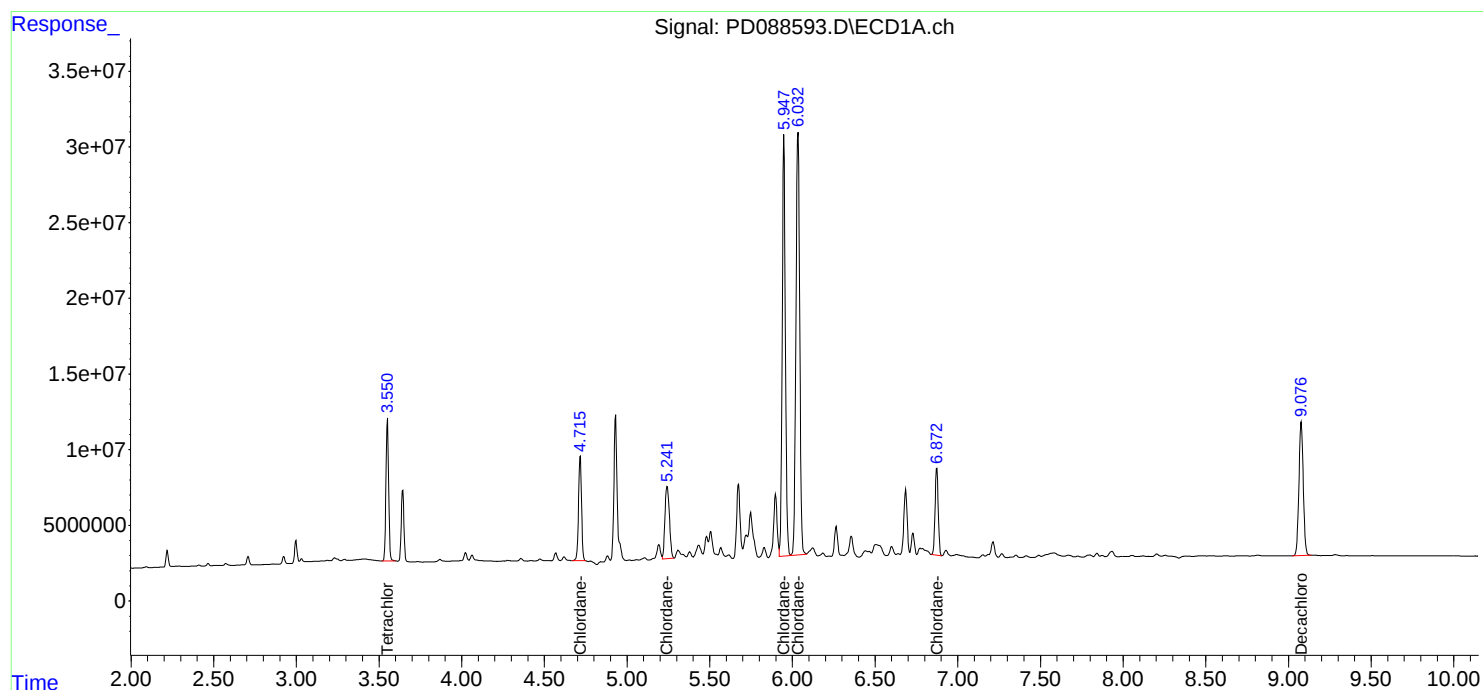
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

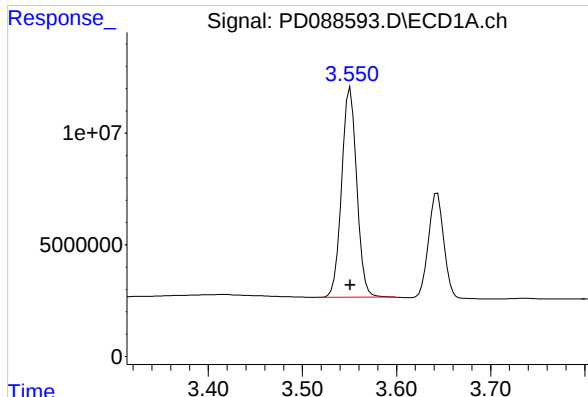
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 13:06
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:27:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 13:26:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

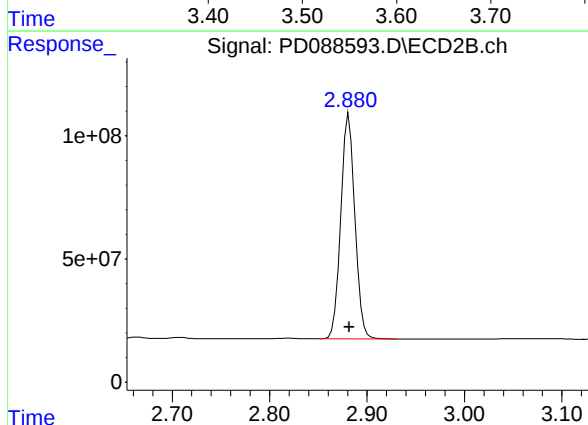




#1 Tetrachloro-m-xylene

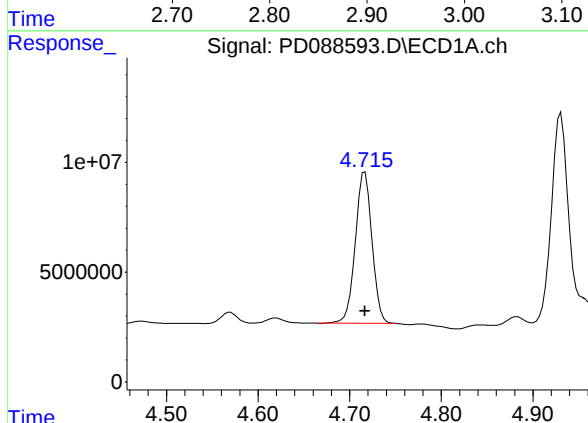
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 104786989
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



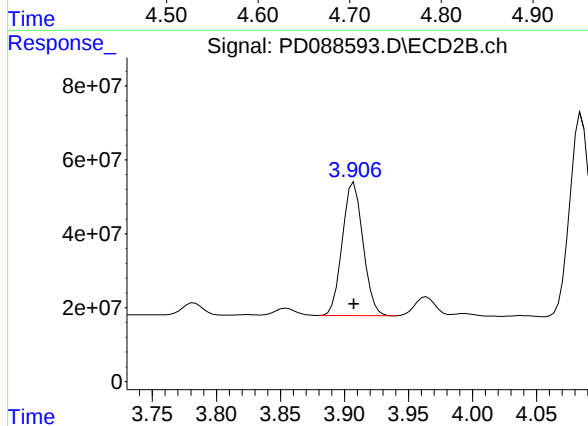
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 916782601
Conc: 50.00 ng/ml



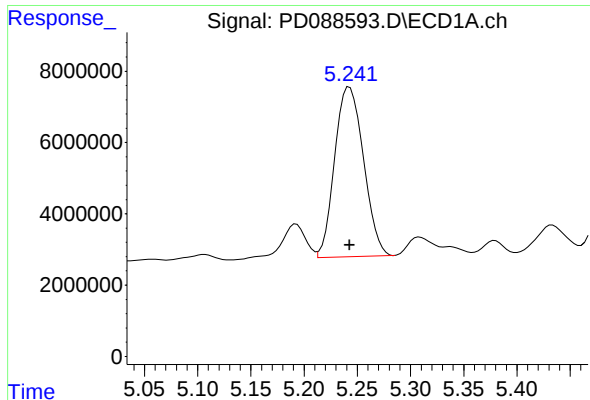
#23 Chlordane-1

R.T.: 4.717 min
Delta R.T.: 0.000 min
Response: 87638607
Conc: 500.00 ng/ml



#23 Chlordane-1

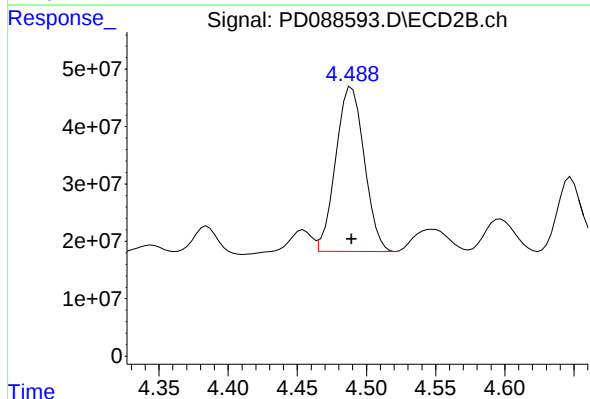
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 406538111
Conc: 500.00 ng/ml



#24 Chlordane-2

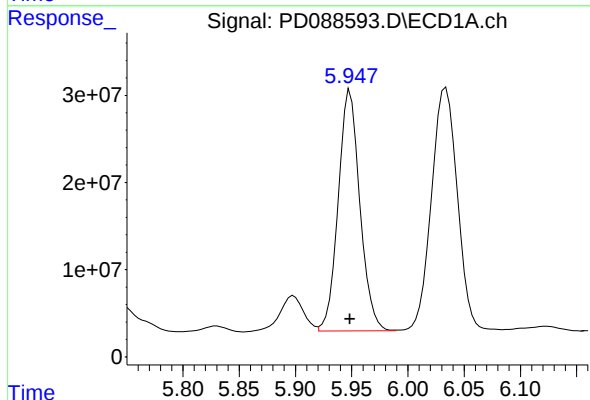
R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 89727196
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



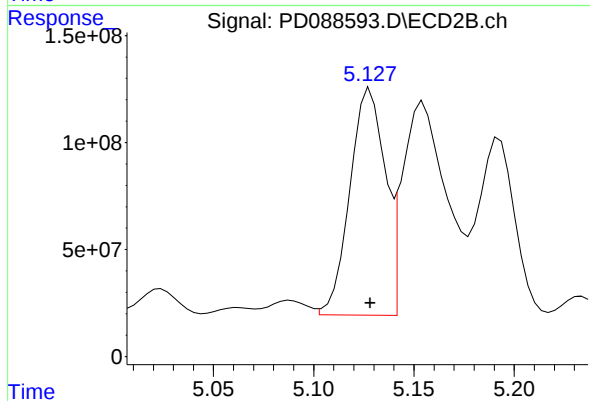
#24 Chlordane-2

R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 411346039
Conc: 500.00 ng/ml



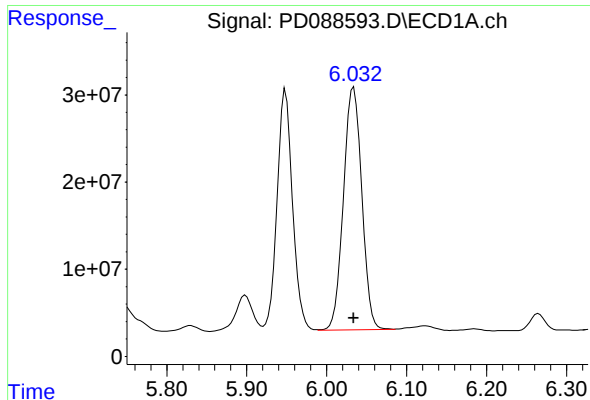
#25 Chlordane-3

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 370685594
Conc: 500.00 ng/ml



#25 Chlordane-3

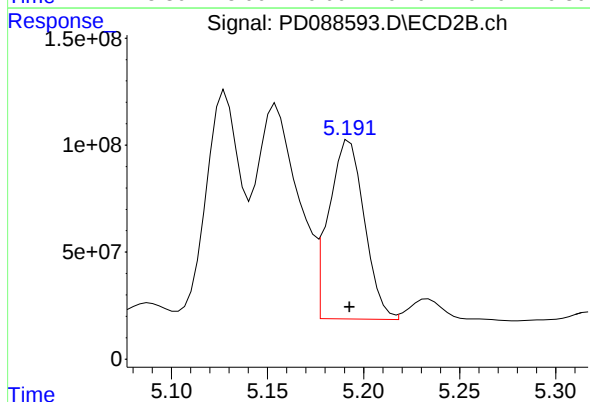
R.T.: 5.128 min
Delta R.T.: 0.000 min
Response: 1285761164
Conc: 500.00 ng/ml



#26 Chlordane-4

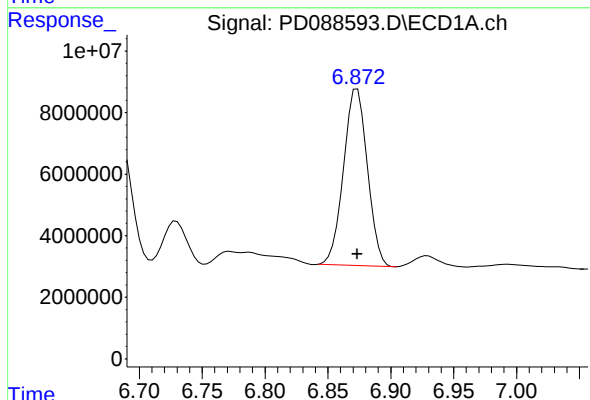
R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 444707328
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



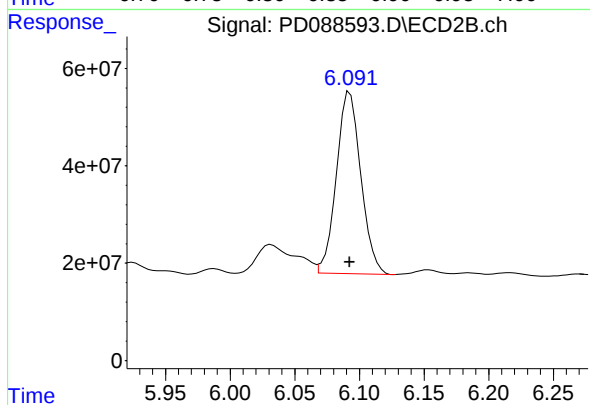
#26 Chlordane-4

R.T.: 5.193 min
Delta R.T.: 0.000 min
Response: 1071526013
Conc: 500.00 ng/ml



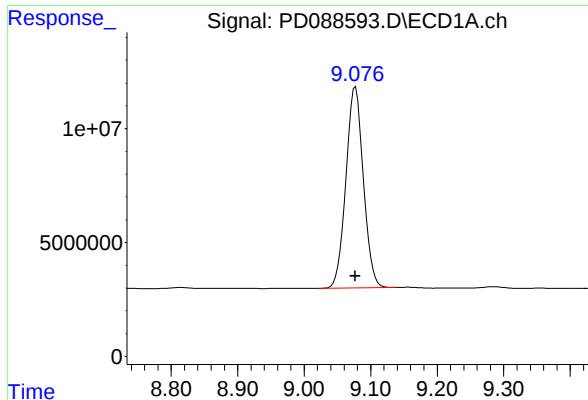
#27 Chlordane-5

R.T.: 6.873 min
Delta R.T.: 0.000 min
Response: 75468131
Conc: 500.00 ng/ml



#27 Chlordane-5

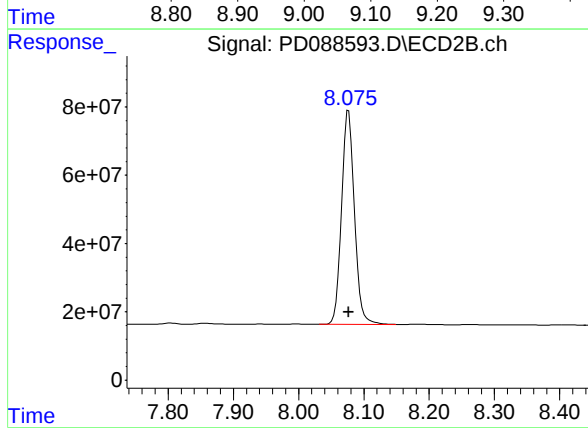
R.T.: 6.093 min
Delta R.T.: 0.000 min
Response: 491525933
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.000 min
Response: 161252646
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 8.077 min
Delta R.T.: 0.000 min
Response: 859811965
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:14
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: May 19 14:24:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 14:24:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.551	2.882	108.0E6	751.0E6	50.000	50.000
7) SA Decachlor...	9.078	8.076	167.6E6	890.4E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.244	5.478	13194843	69615460	500.000	500.000
3) Toxaphene-2	6.444	5.649	19059780	47039410	500.000	500.000
4) Toxaphene-3	7.151	6.759	36144150	218.5E6	500.000	500.000
5) Toxaphene-4	7.566	7.201	45706327	155.6E6	500.000	500.000
6) Toxaphene-5	7.932	7.332	26129785	108.5E6	500.000	500.000

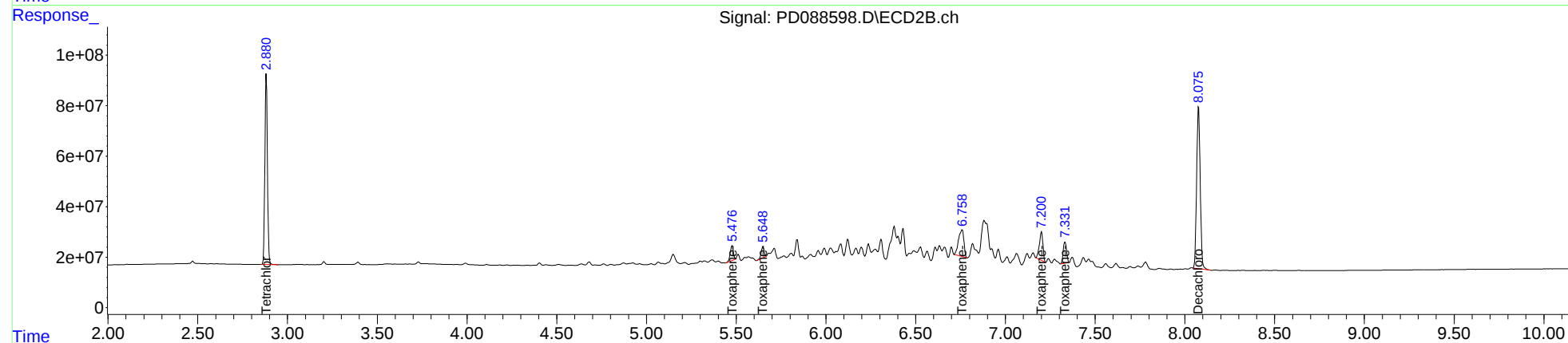
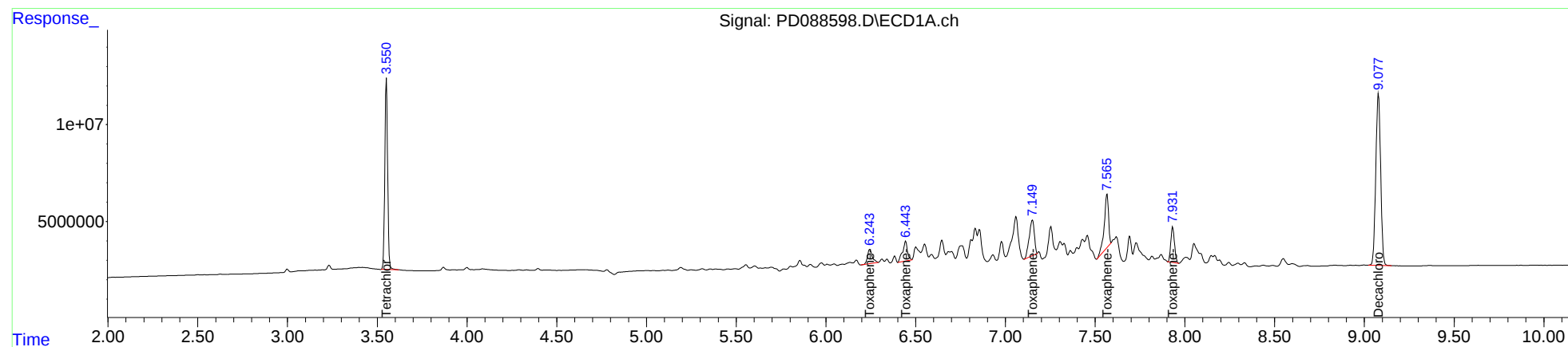
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

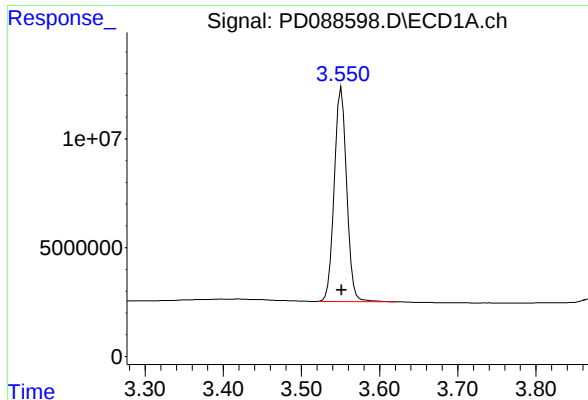
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:14
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PTOXICC50

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:24:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 14:24:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

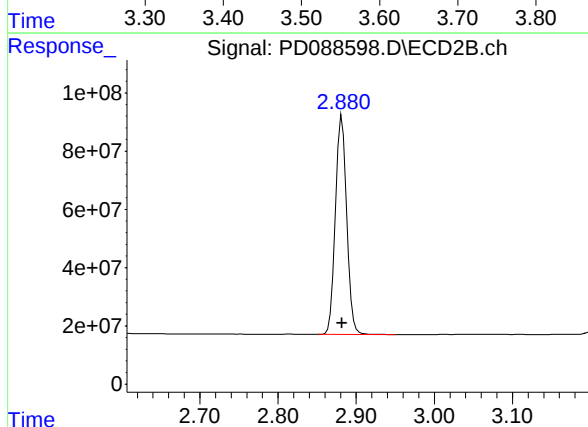




#1 Tetrachloro-m-xylene

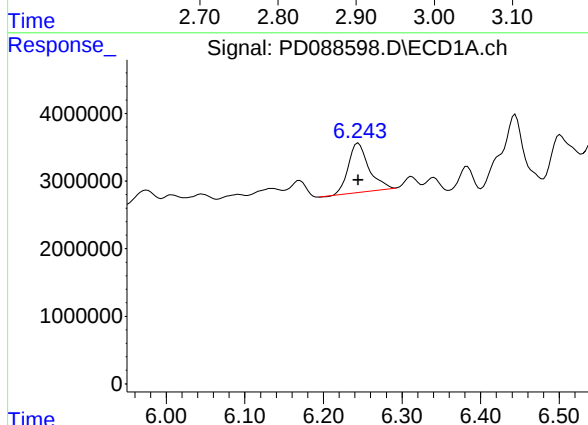
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 107983871
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



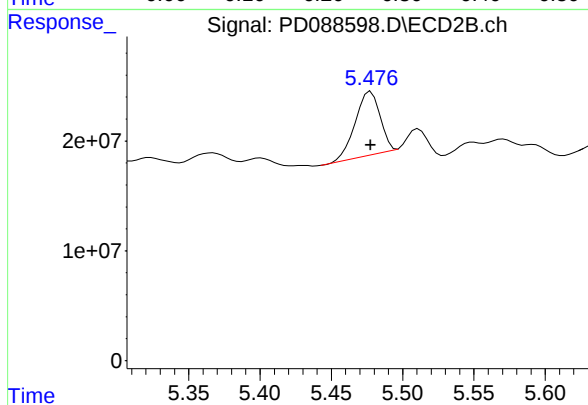
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 751004870
Conc: 50.00 ng/ml



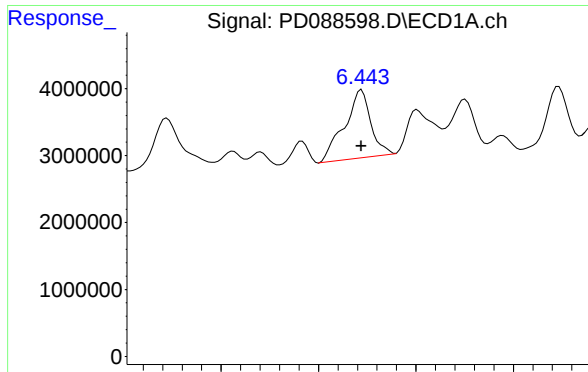
#2 Toxaphene-1

R.T.: 6.244 min
Delta R.T.: 0.000 min
Response: 13194843
Conc: 500.00 ng/ml



#2 Toxaphene-1

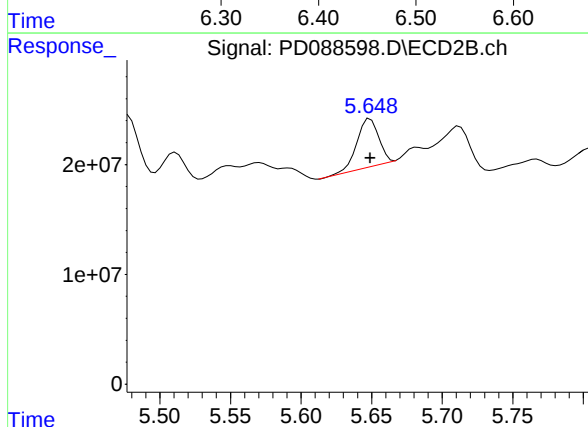
R.T.: 5.478 min
Delta R.T.: 0.000 min
Response: 69615460
Conc: 500.00 ng/ml



#3 Toxaphene-2

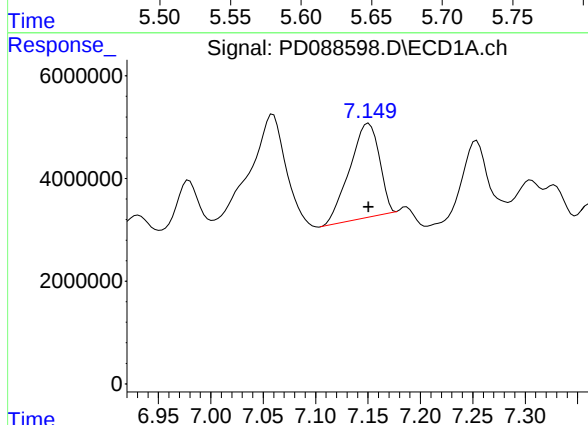
R.T.: 6.444 min
Delta R.T.: 0.000 min
Response: 19059780
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



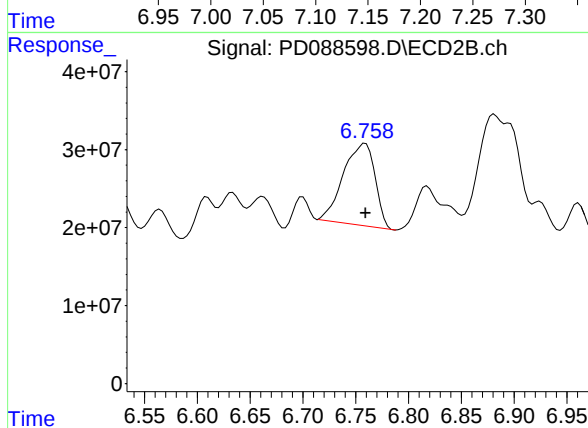
#3 Toxaphene-2

R.T.: 5.649 min
Delta R.T.: 0.000 min
Response: 47039410
Conc: 500.00 ng/ml



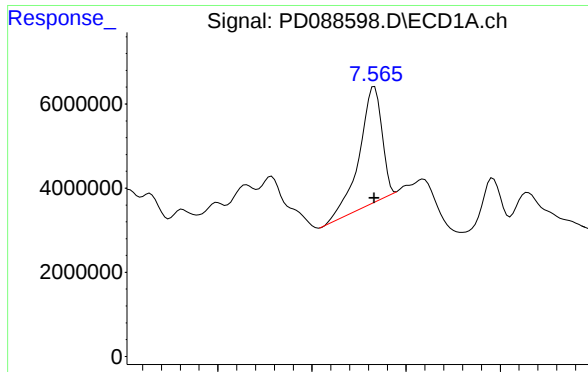
#4 Toxaphene-3

R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 36144150
Conc: 500.00 ng/ml



#4 Toxaphene-3

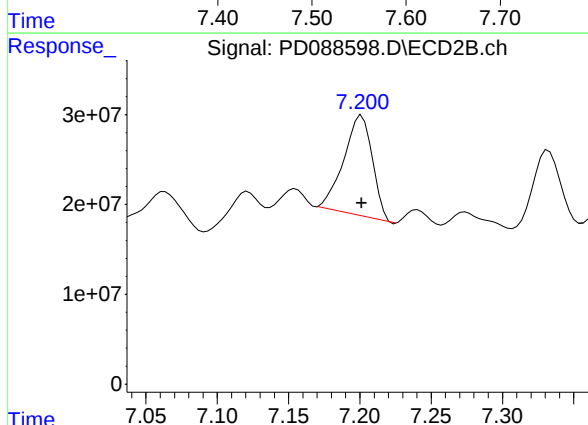
R.T.: 6.759 min
Delta R.T.: 0.000 min
Response: 218541432
Conc: 500.00 ng/ml



#5 Toxaphene-4

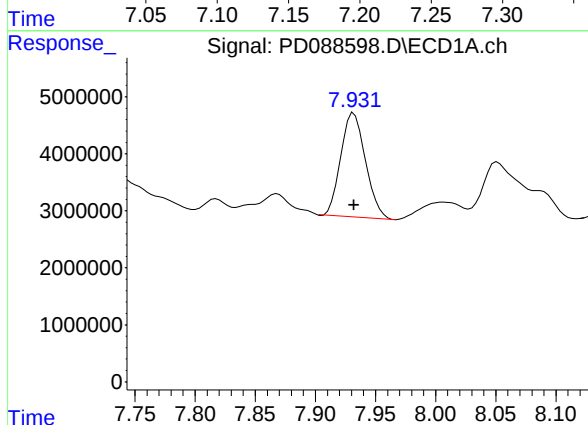
R.T.: 7.566 min
Delta R.T.: 0.000 min
Response: 45706327
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



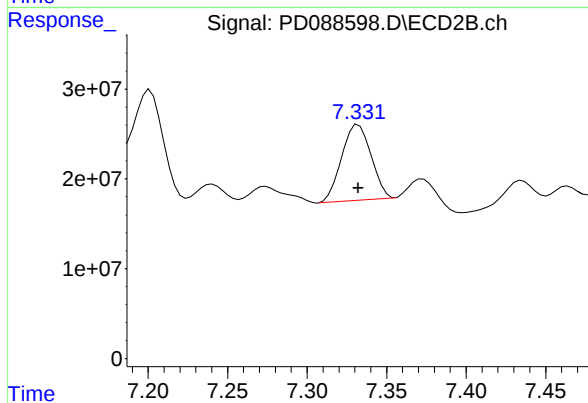
#5 Toxaphene-4

R.T.: 7.201 min
Delta R.T.: 0.000 min
Response: 155642376
Conc: 500.00 ng/ml



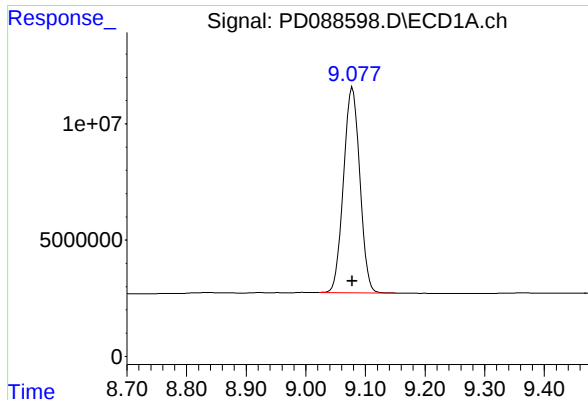
#6 Toxaphene-5

R.T.: 7.932 min
Delta R.T.: 0.000 min
Response: 26129785
Conc: 500.00 ng/ml



#6 Toxaphene-5

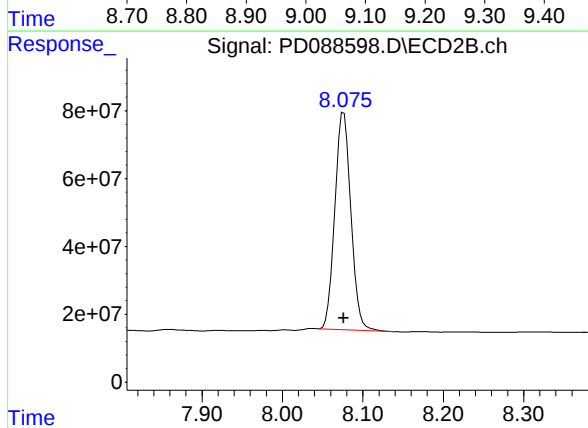
R.T.: 7.332 min
Delta R.T.: 0.000 min
Response: 108487622
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.078 min
Delta R.T.: 0.000 min
Response: 167560869
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 890418254
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
 Data File : PD088601.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 14:55
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD051925

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 15:10:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 13:57:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	2.882	108.1E6	751.4E6	49.971	49.675
28)	SA Decachlor...	9.077	8.076	167.7E6	895.2E6	49.001	49.034
Target Compounds							
2)	A alpha-BHC	4.001	3.395	246.5E6	1196.4E6	51.600	50.049
3)	MA gamma-BHC...	4.332	3.731	235.9E6	1105.4E6	51.246	49.870
4)	MA Heptachlor	4.932	4.085	227.5E6	1118.9E6	50.891	49.831
5)	MB Aldrin	5.274	4.371	223.7E6	1091.3E6	50.911	49.765
6)	B beta-BHC	4.517	4.027	89787263	480.1E6	49.795	49.280
7)	B delta-BHC	4.765	4.264	218.4E6	1109.3E6	51.674	49.758
8)	B Heptachlo...	5.693	4.875	199.8E6	982.3E6	50.327	49.432
9)	A Endosulfan I	6.077	5.249	189.4E6	938.9E6	50.341	49.474
10)	B gamma-Chl...	5.949	5.128	201.5E6	1057.1E6	50.505	49.556
11)	B alpha-Chl...	6.029	5.193	201.8E6	1018.0E6	50.365	49.357
12)	B 4,4'-DDE	6.198	5.378	182.3E6	1031.8E6	50.791	49.363
13)	MA Dieldrin	6.349	5.516	203.9E6	1041.8E6	50.818	49.507
14)	MA Endrin	6.578	5.792	172.9E6	954.5E6	50.628	49.499
15)	B Endosulfa...	6.789	6.083	171.5E6	909.5E6	49.803	49.640
16)	A 4,4'-DDD	6.708	5.932	141.8E6	864.0E6	50.908	49.679
17)	MA 4,4'-DDT	7.024	6.186	159.0E6	923.1E6	50.943	50.894
18)	B Endrin al...	6.917	6.261	127.7E6	685.3E6	49.581	49.203
19)	B Endosulfa...	7.152	6.485	160.4E6	879.9E6	50.092	49.555
20)	A Methoxychlor	7.496	6.758	83431358	481.4E6	49.942	50.273
21)	B Endrin ke...	7.633	6.994	172.4E6	962.9E6	50.373	49.767
22)	Mirex	8.117	7.189	127.7E6	748.0E6	49.145	49.203

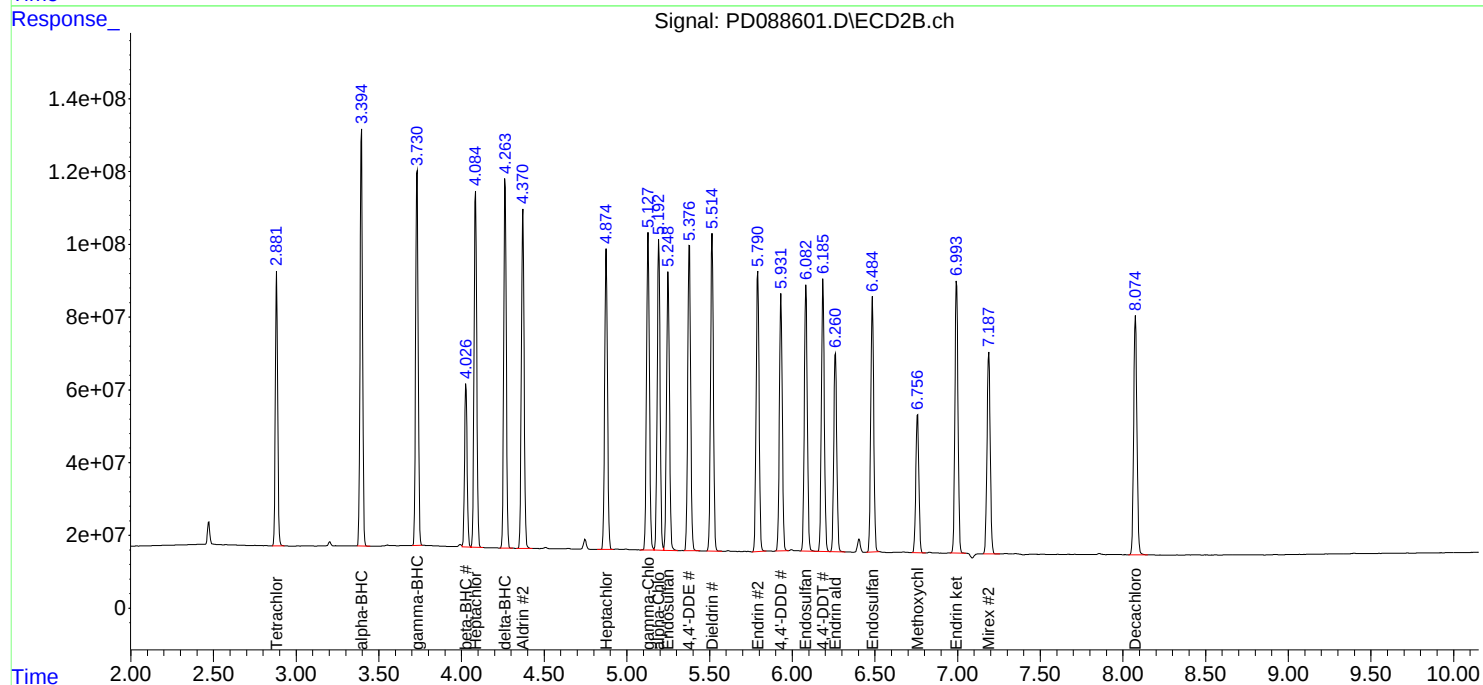
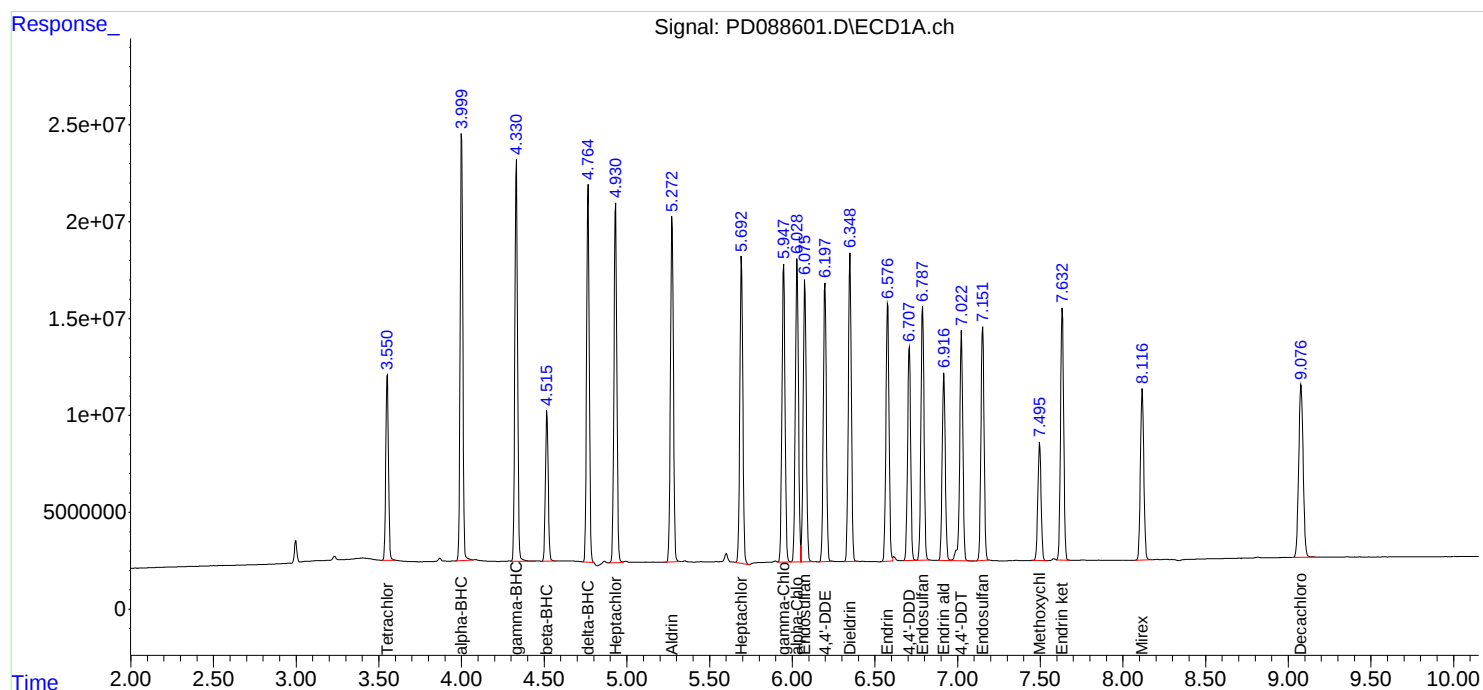
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

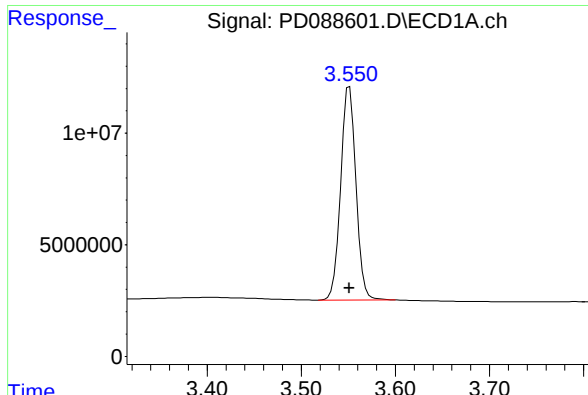
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088601.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 14:55
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD051925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 15:10:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 13:57:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

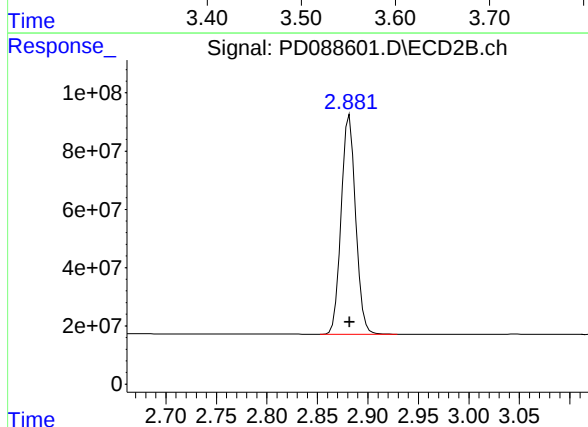




#1 Tetrachloro-m-xylene

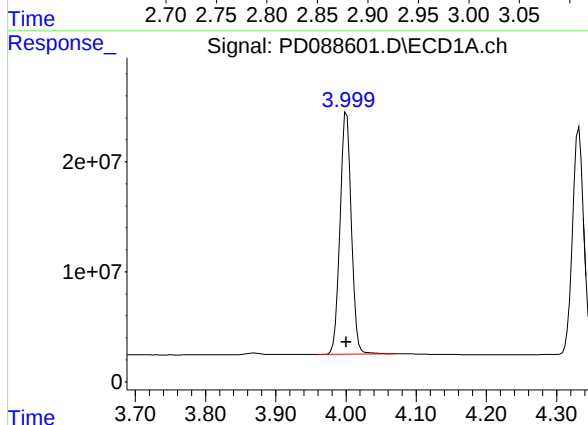
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 108124497
Conc: 49.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD051925



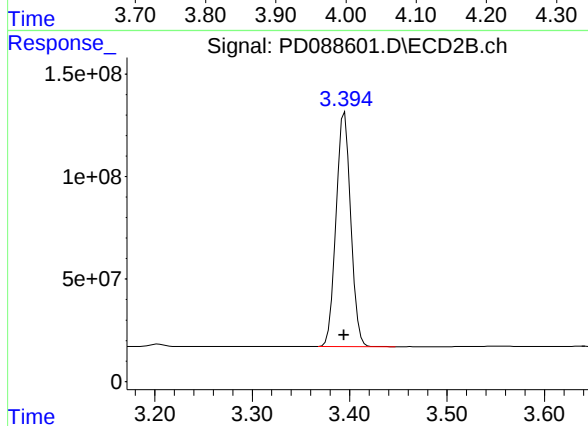
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 751431466
Conc: 49.68 ng/ml



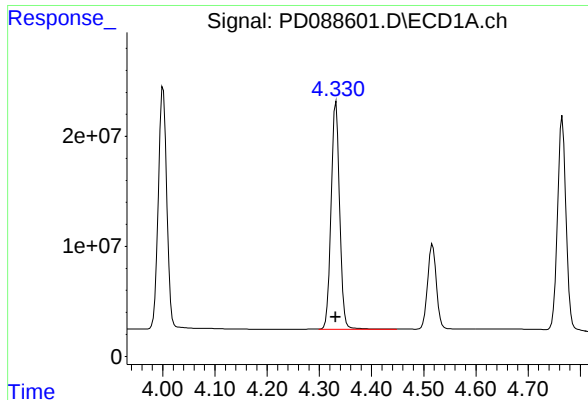
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 246469223
Conc: 51.60 ng/ml



#2 alpha-BHC

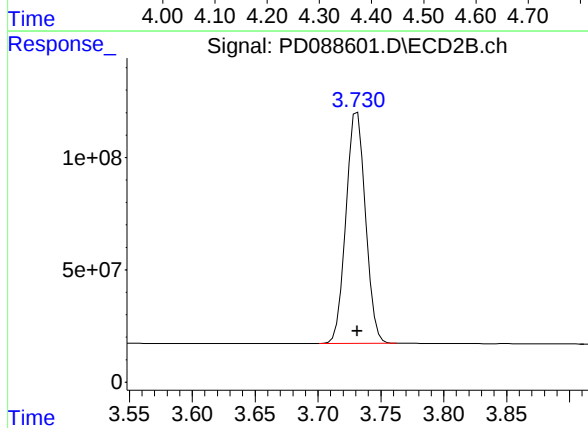
R.T.: 3.395 min
Delta R.T.: 0.000 min
Response: 1196353415
Conc: 50.05 ng/ml



#3 gamma-BHC (Lindane)

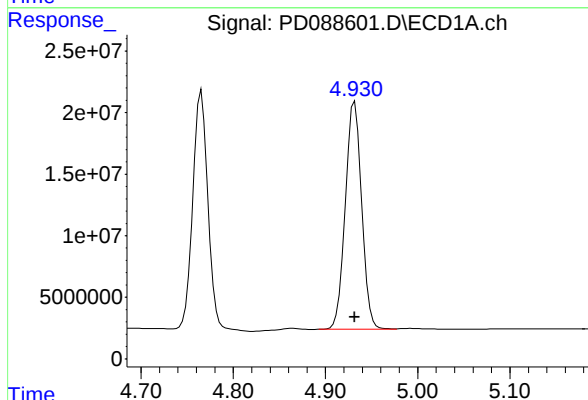
R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 235869890
Conc: 51.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD051925



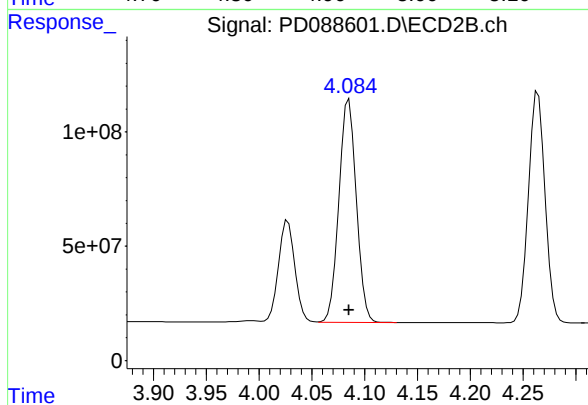
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.000 min
Response: 1105406443
Conc: 49.87 ng/ml



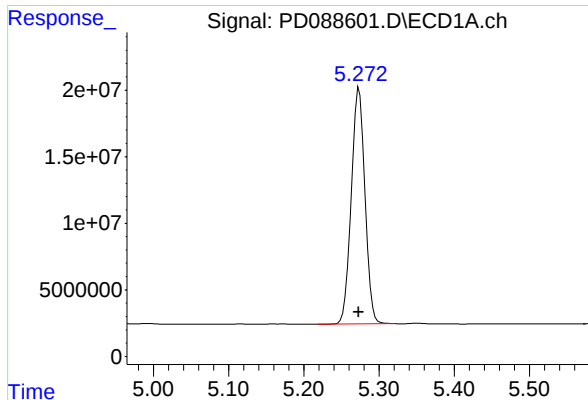
#4 Heptachlor

R.T.: 4.932 min
Delta R.T.: 0.000 min
Response: 227542922
Conc: 50.89 ng/ml



#4 Heptachlor

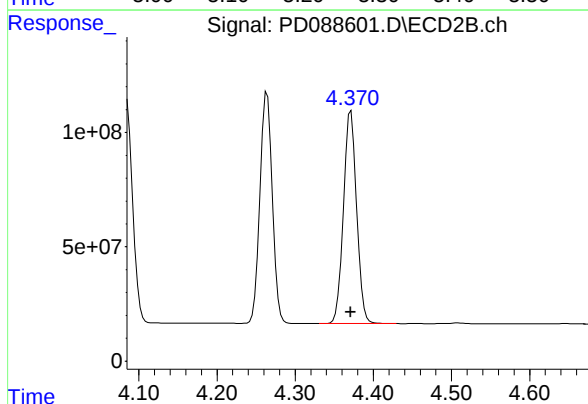
R.T.: 4.085 min
Delta R.T.: 0.000 min
Response: 1118938577
Conc: 49.83 ng/ml



#5 Aldrin

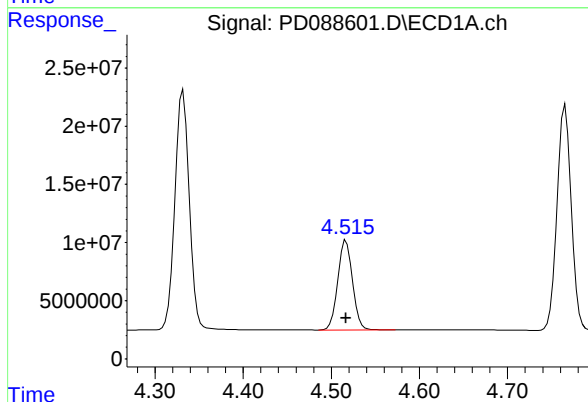
R.T.: 5.274 min
Delta R.T.: 0.000 min
Response: 223728468
Conc: 50.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD051925



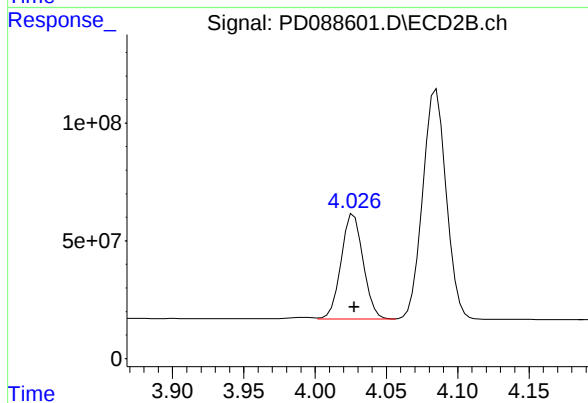
#5 Aldrin

R.T.: 4.371 min
Delta R.T.: 0.000 min
Response: 1091337797
Conc: 49.76 ng/ml



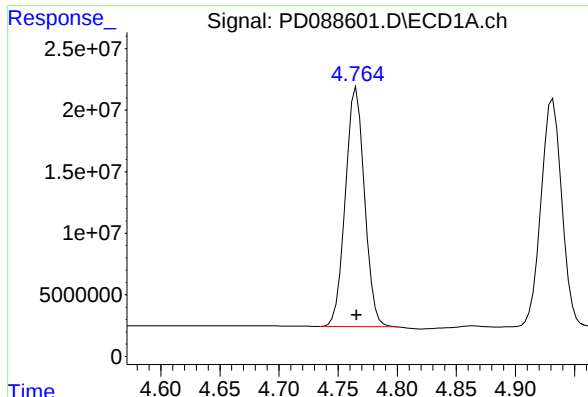
#6 beta-BHC

R.T.: 4.517 min
Delta R.T.: 0.000 min
Response: 89787263
Conc: 49.79 ng/ml



#6 beta-BHC

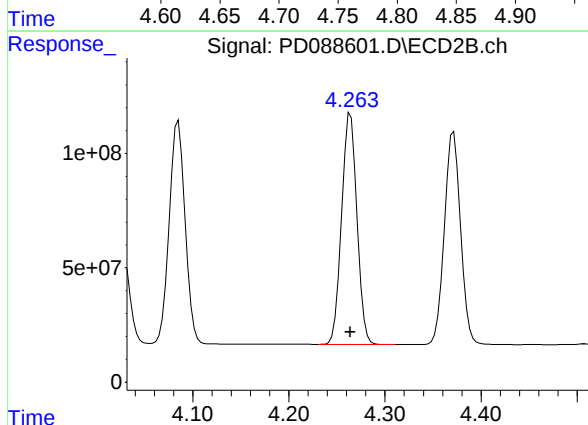
R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 480081224
Conc: 49.28 ng/ml



#7 delta-BHC

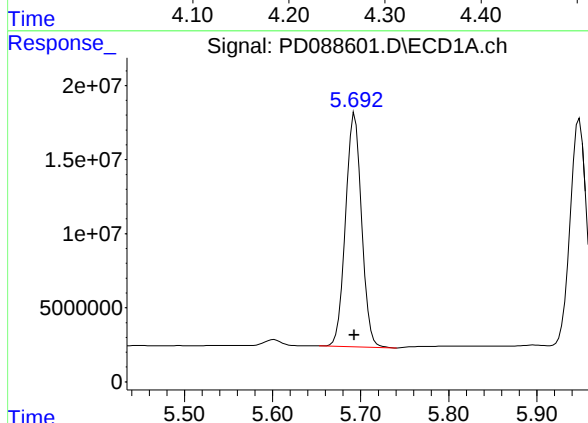
R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 218379915
Conc: 51.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD051925



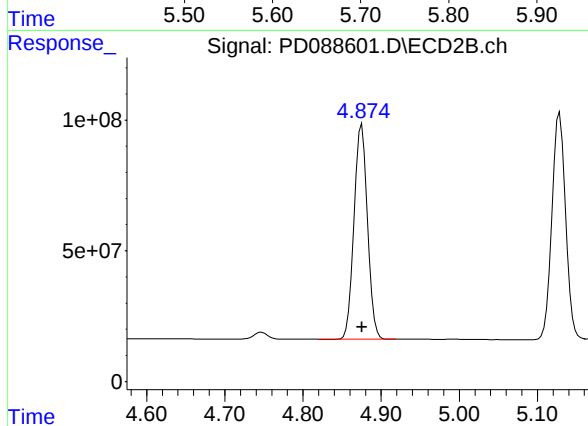
#7 delta-BHC

R.T.: 4.264 min
Delta R.T.: 0.000 min
Response: 1109299778
Conc: 49.76 ng/ml



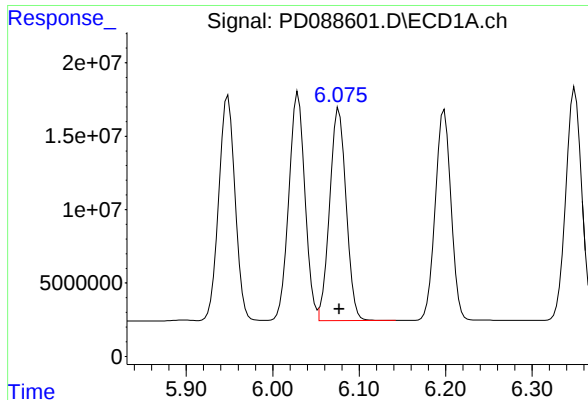
#8 Heptachlor epoxide

R.T.: 5.693 min
Delta R.T.: 0.000 min
Response: 199760715
Conc: 50.33 ng/ml



#8 Heptachlor epoxide

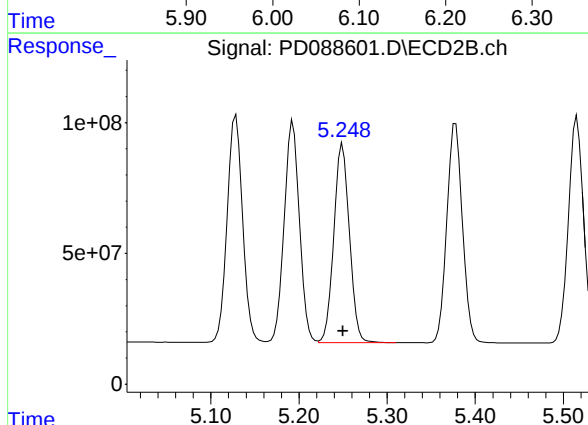
R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 982287395
Conc: 49.43 ng/ml



#9 Endosulfan I

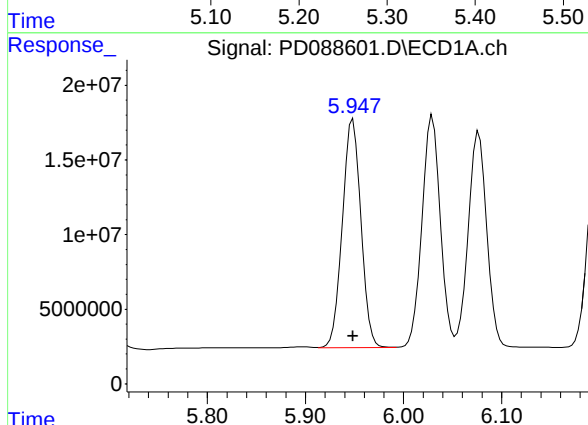
R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 189429671
Conc: 50.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD051925



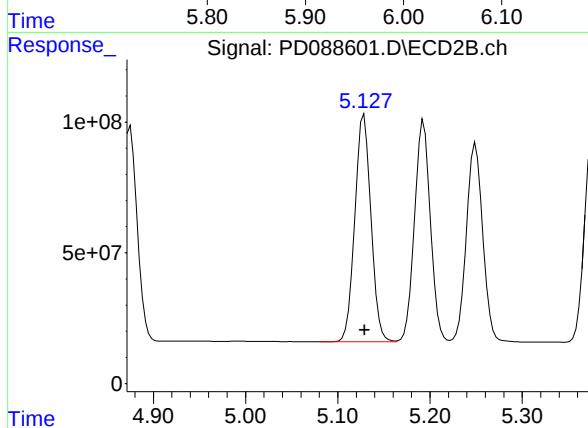
#9 Endosulfan I

R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 938933144
Conc: 49.47 ng/ml



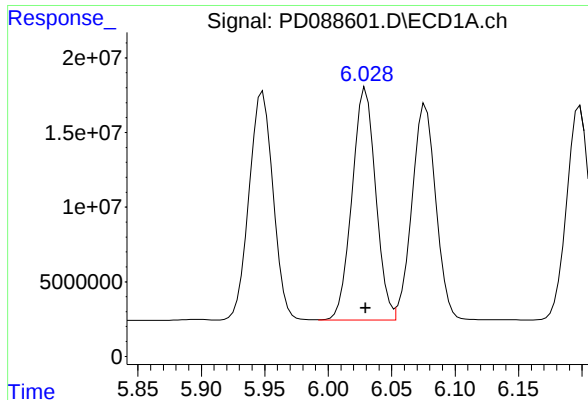
#10 gamma-Chlordane

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 201463084
Conc: 50.51 ng/ml



#10 gamma-Chlordane

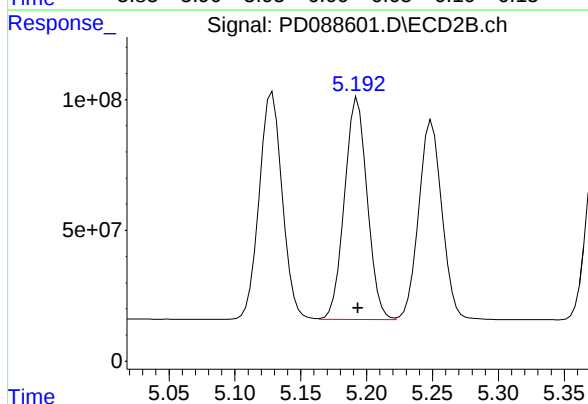
R.T.: 5.128 min
Delta R.T.: 0.000 min
Response: 1057133186
Conc: 49.56 ng/ml



#11 alpha-Chlordane

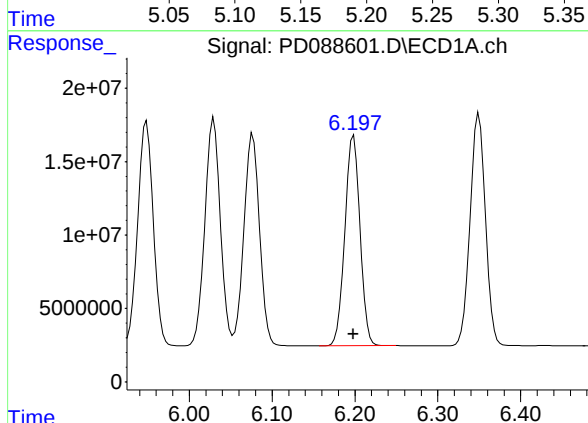
R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 201777581
Conc: 50.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD051925



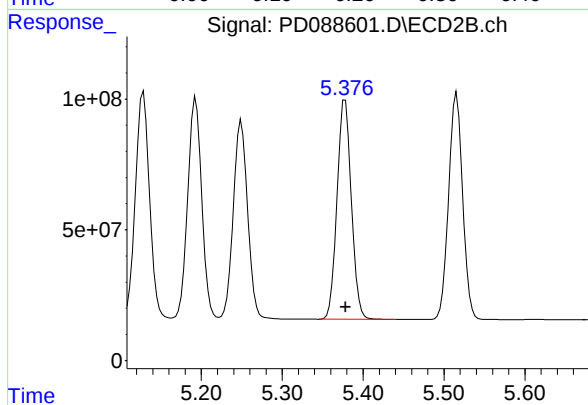
#11 alpha-Chlordane

R.T.: 5.193 min
Delta R.T.: 0.000 min
Response: 1017988715
Conc: 49.36 ng/ml



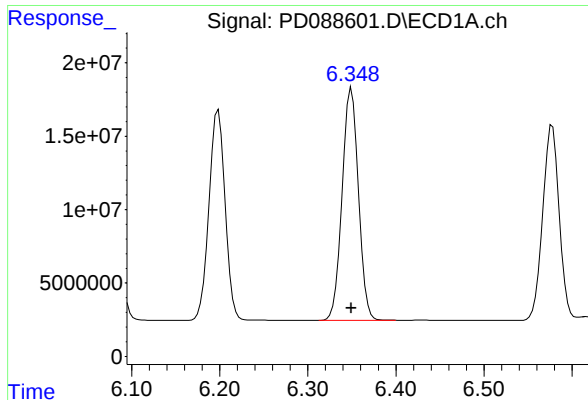
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.000 min
Response: 182307722
Conc: 50.79 ng/ml



#12 4,4'-DDE

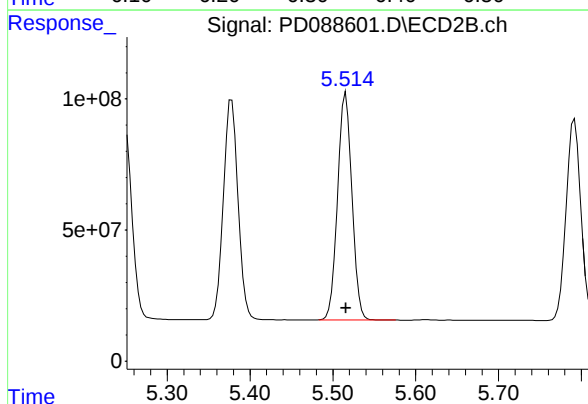
R.T.: 5.378 min
Delta R.T.: 0.000 min
Response: 1031825037
Conc: 49.36 ng/ml



#13 Dieldrin

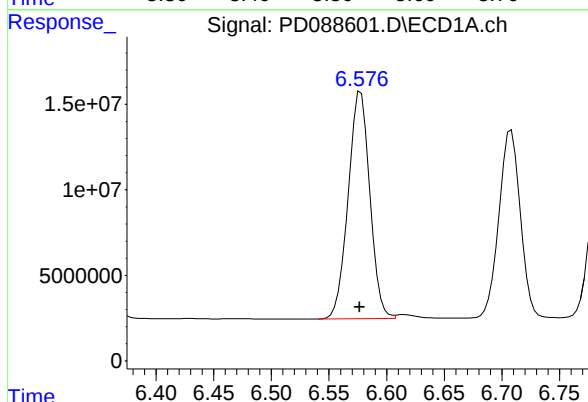
R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 203867868
Conc: 50.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD051925



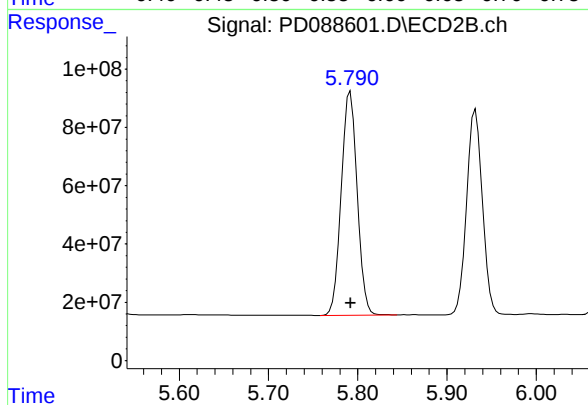
#13 Dieldrin

R.T.: 5.516 min
Delta R.T.: 0.000 min
Response: 1041825576
Conc: 49.51 ng/ml



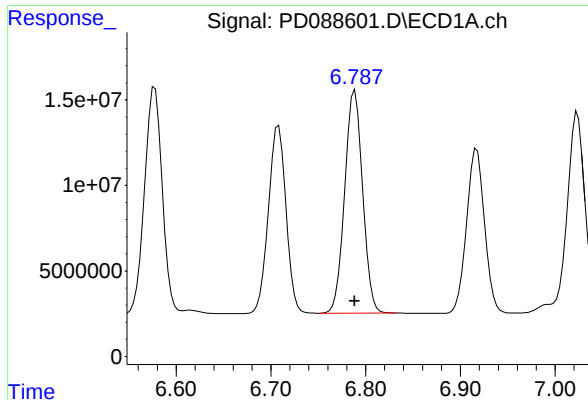
#14 Endrin

R.T.: 6.578 min
Delta R.T.: 0.000 min
Response: 172904070
Conc: 50.63 ng/ml



#14 Endrin

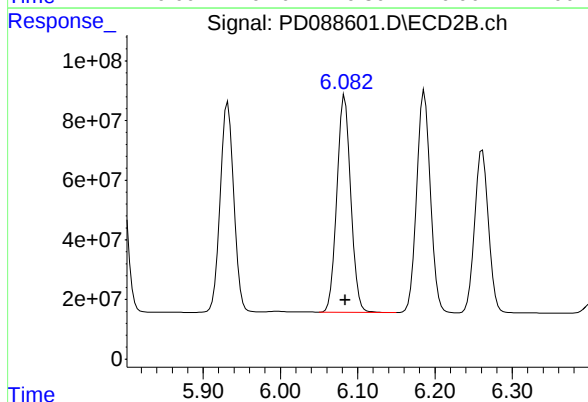
R.T.: 5.792 min
Delta R.T.: 0.000 min
Response: 954544012
Conc: 49.50 ng/ml



#15 Endosulfan II

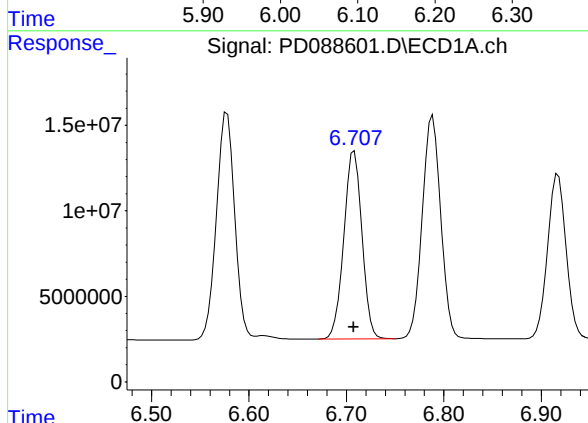
R.T.: 6.789 min
Delta R.T.: 0.000 min
Response: 171499506
Conc: 49.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD051925



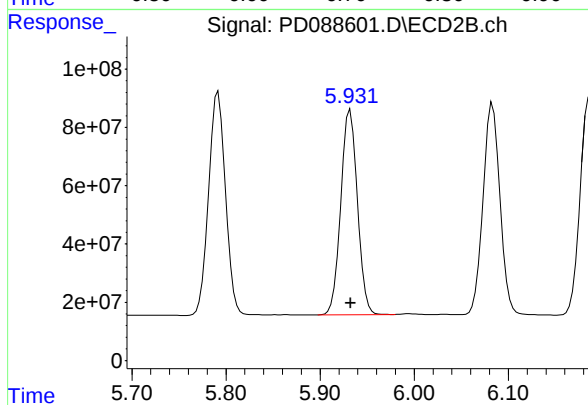
#15 Endosulfan II

R.T.: 6.083 min
Delta R.T.: 0.000 min
Response: 909494685
Conc: 49.64 ng/ml



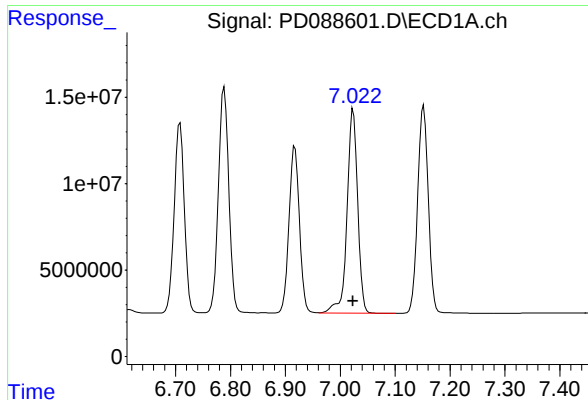
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.000 min
Response: 141783990
Conc: 50.91 ng/ml



#16 4,4'-DDD

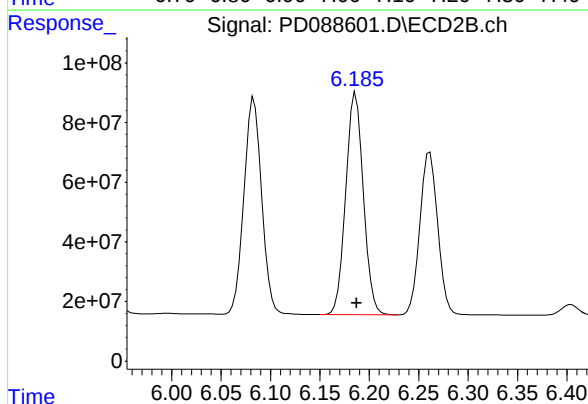
R.T.: 5.932 min
Delta R.T.: 0.000 min
Response: 864026920
Conc: 49.68 ng/ml



#17 4,4'-DDT

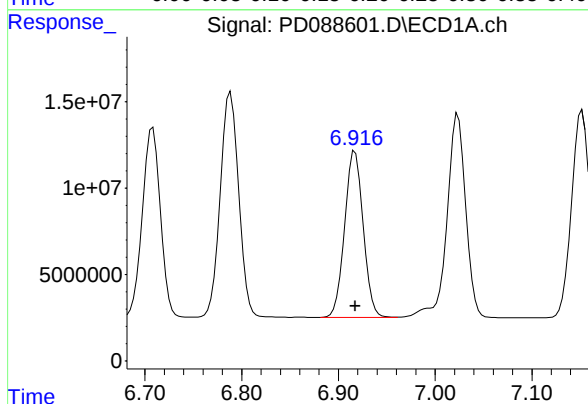
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 159046703
Conc: 50.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD051925



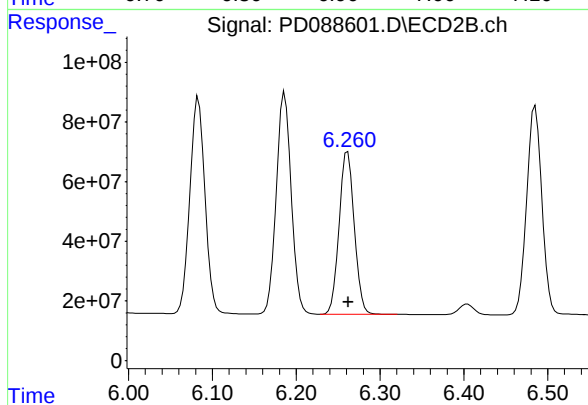
#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: 0.000 min
Response: 923082655
Conc: 50.89 ng/ml



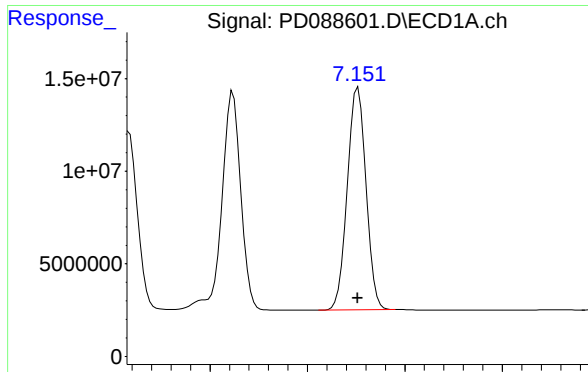
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.000 min
Response: 127650933
Conc: 49.58 ng/ml



#18 Endrin aldehyde

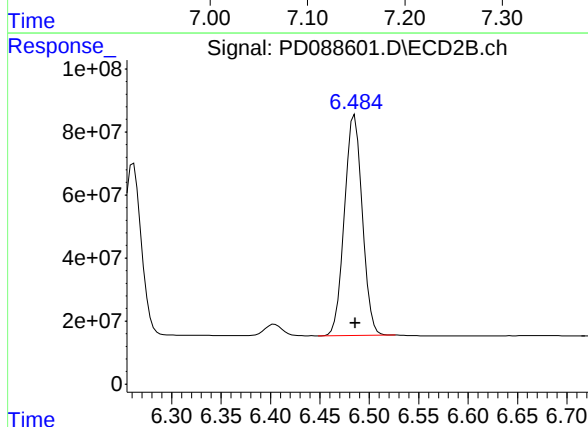
R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 685333312
Conc: 49.20 ng/ml



#19 Endosulfan Sulfate

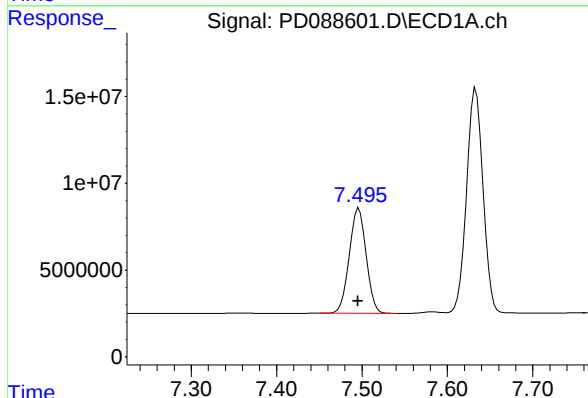
R.T.: 7.152 min
Delta R.T.: 0.000 min
Response: 160447169
Conc: 50.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD051925



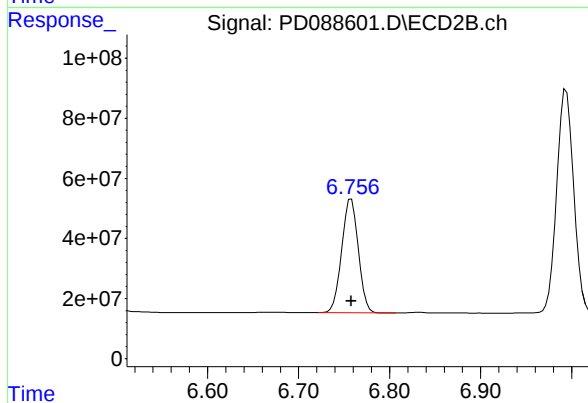
#19 Endosulfan Sulfate

R.T.: 6.485 min
Delta R.T.: 0.000 min
Response: 879894047
Conc: 49.56 ng/ml



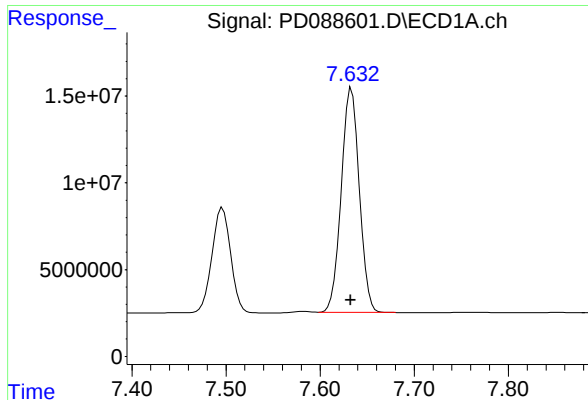
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.001 min
Response: 83431358
Conc: 49.94 ng/ml



#20 Methoxychlor

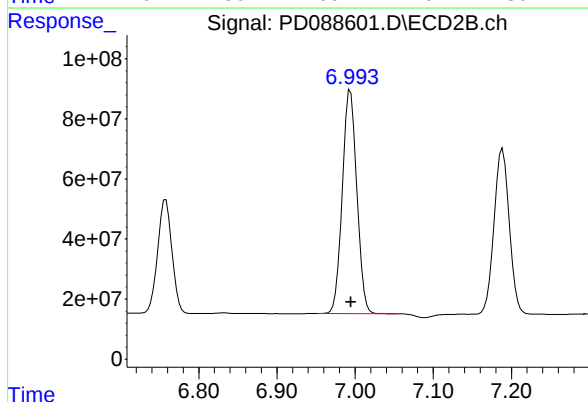
R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 481356486
Conc: 50.27 ng/ml



#21 Endrin ketone

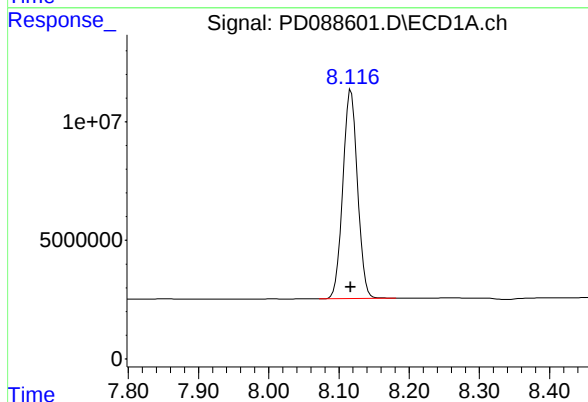
R.T.: 7.633 min
Delta R.T.: 0.000 min
Response: 172435454
Conc: 50.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD051925



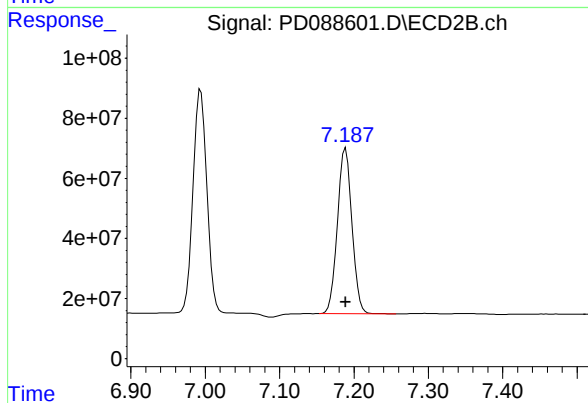
#21 Endrin ketone

R.T.: 6.994 min
Delta R.T.: 0.000 min
Response: 962867088
Conc: 49.77 ng/ml



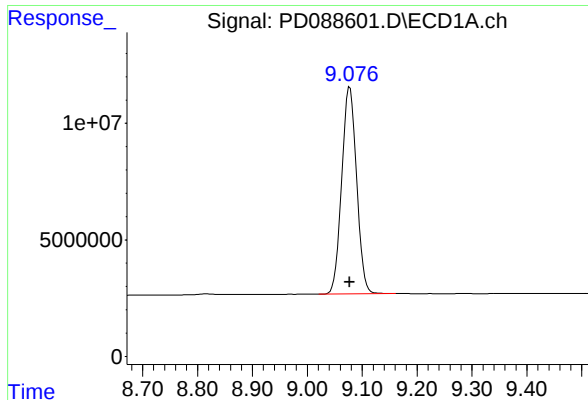
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 127693341
Conc: 49.15 ng/ml



#22 Mirex

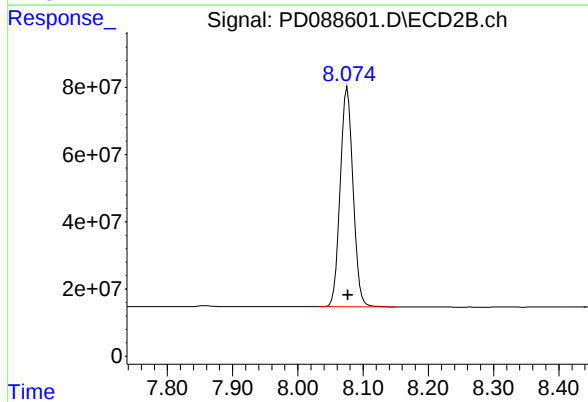
R.T.: 7.189 min
Delta R.T.: 0.000 min
Response: 747995743
Conc: 49.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.000 min
Response: 167696493
Conc: 49.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD051925



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 895178527
Conc: 49.03 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

Continuing Calib Date: 06/10/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 10:38 Initial Calibration Time(s): 11:31 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.08	9.08	8.98	9.18	0.00
Tetrachloro-m-xylene	3.56	3.55	3.45	3.65	-0.01
alpha-BHC	4.01	4.00	3.90	4.10	-0.01
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.94	4.93	4.83	5.03	-0.01
Aldrin	5.28	5.27	5.17	5.37	-0.01
Heptachlor epoxide	5.70	5.69	5.59	5.79	-0.01
Endosulfan I	6.08	6.08	5.98	6.18	0.00
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	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.15	7.05	7.25	-0.01
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.63	7.53	7.73	-0.01
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.04	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

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

Continuing Calib Date: 06/10/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 10:38 Initial Calibration Time(s): 11:31 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.03	4.03	3.93	4.13	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	4.09	3.99	4.19	0.01
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.88	4.78	4.98	0.01
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.51	5.52	5.42	5.62	0.01
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.49	6.39	6.59	0.01
4,4'-DDT	6.19	6.19	6.09	6.29	0.01
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	7.00	6.90	7.10	0.01
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	5.13	5.13	5.03	5.23	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL01 Date Analyzed: 06/10/2025

Lab Sample No.: PSTDCCC050 Data File : PD088855.D Time Analyzed: 10:38

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.713	6.608	6.808	55.300	50.000	10.6
4,4'-DDE	6.204	6.098	6.298	53.640	50.000	7.3
4,4'-DDT	7.029	6.923	7.123	53.690	50.000	7.4
Aldrin	5.278	5.173	5.373	53.260	50.000	6.5
alpha-BHC	4.005	3.900	4.100	54.420	50.000	8.8
alpha-Chlordane	6.035	5.930	6.130	52.880	50.000	5.8
beta-BHC	4.522	4.417	4.617	52.740	50.000	5.5
Decachlorobiphenyl	9.082	8.977	9.177	52.360	50.000	4.7
delta-BHC	4.771	4.666	4.866	56.310	50.000	12.6
Dieldrin	6.354	6.250	6.450	52.480	50.000	5.0
Endosulfan I	6.082	5.977	6.177	52.180	50.000	4.4
Endosulfan II	6.793	6.688	6.888	51.670	50.000	3.3
Endosulfan sulfate	7.157	7.052	7.252	52.110	50.000	4.2
Endrin	6.582	6.477	6.677	52.340	50.000	4.7
Endrin aldehyde	6.922	6.817	7.017	50.050	50.000	0.1
Endrin ketone	7.638	7.533	7.733	52.800	50.000	5.6
gamma-BHC (Lindane)	4.337	4.232	4.432	53.690	50.000	7.4
gamma-Chlordane	5.954	5.848	6.048	52.970	50.000	5.9
Heptachlor	4.936	4.832	5.032	54.030	50.000	8.1
Heptachlor epoxide	5.698	5.593	5.793	52.050	50.000	4.1
Methoxychlor	7.501	7.395	7.595	52.680	50.000	5.4
Tetrachloro-m-xylene	3.556	3.451	3.651	57.030	50.000	14.1



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL01 Date Analyzed: 06/10/2025

Lab Sample No.: PSTDCCC050 Data File : PD088855.D Time Analyzed: 10:38

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.931	5.833	6.033	48.660	50.000	-2.7
4,4'-DDE	5.376	5.278	5.478	48.010	50.000	-4.0
4,4'-DDT	6.185	6.087	6.287	49.060	50.000	-1.9
Aldrin	4.369	4.271	4.471	48.150	50.000	-3.7
alpha-BHC	3.392	3.294	3.494	48.170	50.000	-3.7
alpha-Chlordane	5.191	5.094	5.294	47.830	50.000	-4.3
beta-BHC	4.025	3.927	4.127	47.580	50.000	-4.8
Decachlorobiphenyl	8.075	7.977	8.177	50.310	50.000	0.6
delta-BHC	4.262	4.164	4.364	48.330	50.000	-3.3
Dieldrin	5.514	5.416	5.616	48.130	50.000	-3.7
Endosulfan I	5.248	5.150	5.350	47.940	50.000	-4.1
Endosulfan II	6.082	5.984	6.184	48.440	50.000	-3.1
Endosulfan sulfate	6.483	6.386	6.586	48.230	50.000	-3.5
Endrin	5.790	5.692	5.892	47.150	50.000	-5.7
Endrin aldehyde	6.260	6.162	6.362	46.450	50.000	-7.1
Endrin ketone	6.993	6.895	7.095	49.730	50.000	-0.5
gamma-BHC (Lindane)	3.729	3.631	3.831	48.270	50.000	-3.5
gamma-Chlordane	5.126	5.029	5.229	47.940	50.000	-4.1
Heptachlor	4.083	3.985	4.185	47.410	50.000	-5.2
Heptachlor epoxide	4.873	4.775	4.975	47.790	50.000	-4.4
Methoxychlor	6.756	6.658	6.858	47.840	50.000	-4.3
Tetrachloro-m-xylene	2.879	2.782	2.982	47.950	50.000	-4.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
 Data File : PD088855.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Jun 2025 10:38
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 10 14:12:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.556	2.879	123.4E6	725.4E6	57.034	47.953
28)	SA Decachlor...	9.082	8.075	179.2E6	918.6E6	52.365	50.314
Target Compounds							
2)	A alpha-BHC	4.005	3.392	260.0E6	1151.3E6	54.422	48.165
3)	MA gamma-BHC...	4.337	3.729	247.1E6	1070.0E6	53.691	48.272
4)	MA Heptachlor	4.936	4.083	241.6E6	1064.7E6	54.027	47.414
5)	MB Aldrin	5.278	4.369	234.0E6	1055.9E6	53.257	48.147
6)	B beta-BHC	4.522	4.025	95106201	463.6E6	52.744	47.584
7)	B delta-BHC	4.771	4.262	238.0E6	1077.4E6	56.309	48.327
8)	B Heptachlo...	5.698	4.873	206.6E6	949.6E6	52.054	47.790
9)	A Endosulfan I	6.082	5.248	196.4E6	909.9E6	52.184	47.943
10)	B gamma-Chl...	5.954	5.126	211.3E6	1022.8E6	52.968	47.945
11)	B alpha-Chl...	6.035	5.191	211.8E6	986.5E6	52.876	47.833
12)	B 4,4'-DDE	6.204	5.376	192.5E6	1003.6E6	53.638	48.015
13)	MA Dieldrin	6.354	5.514	210.6E6	1012.9E6	52.484	48.131
14)	MA Endrin	6.582	5.790	178.7E6	909.3E6	52.338	47.154
15)	B Endosulfa...	6.793	6.082	177.9E6	887.6E6	51.674	48.444
16)	A 4,4'-DDD	6.713	5.931	154.0E6	846.3E6	55.305	48.658
17)	MA 4,4'-DDT	7.029	6.185	167.6E6	889.9E6	53.688	49.064
18)	B Endrin al...	6.922	6.260	128.9E6	647.0E6	50.053	46.454
19)	B Endosulfa...	7.157	6.483	166.9E6	856.3E6	52.112	48.229
20)	A Methoxychlor	7.501	6.756	87996575	458.1E6	52.675	47.841
21)	B Endrin ke...	7.638	6.993	180.7E6	962.1E6	52.797	49.726
22)	Mirex	8.121	7.187	133.2E6	747.7E6	51.246	49.181

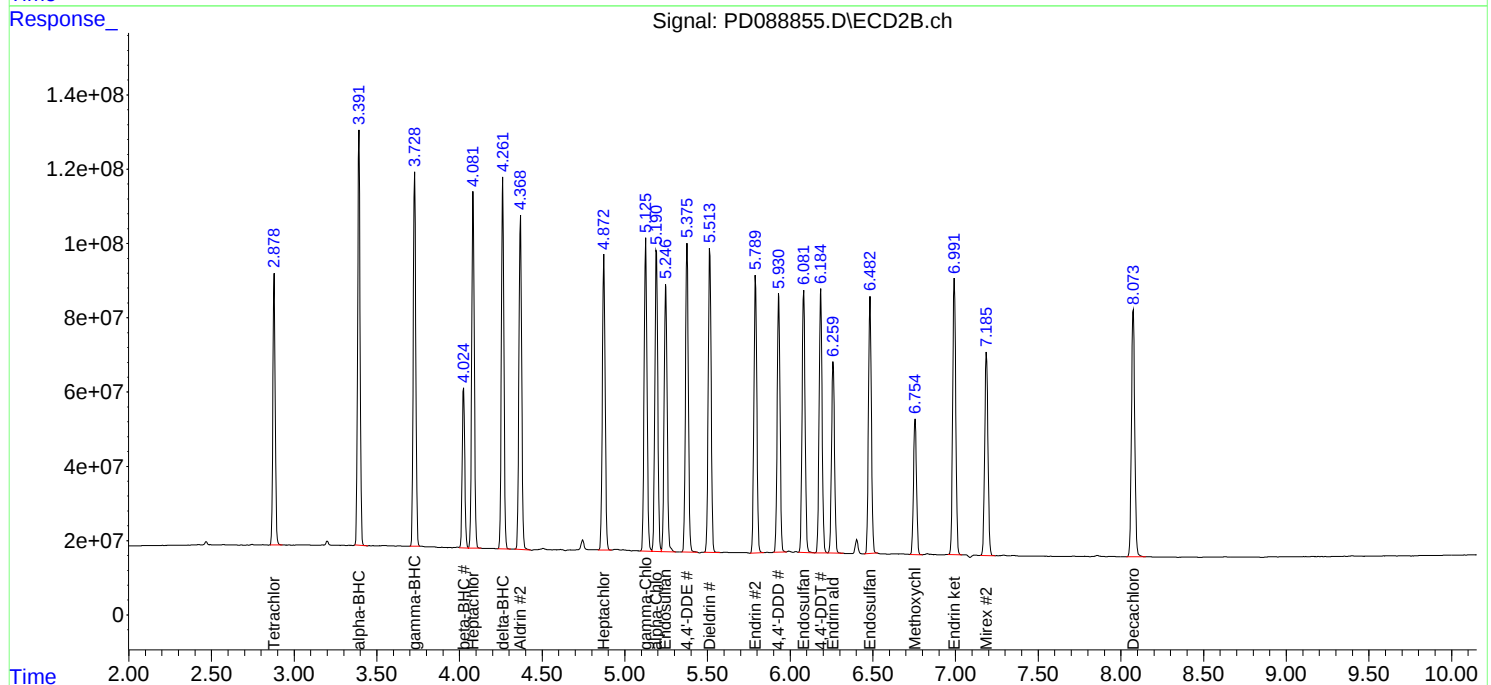
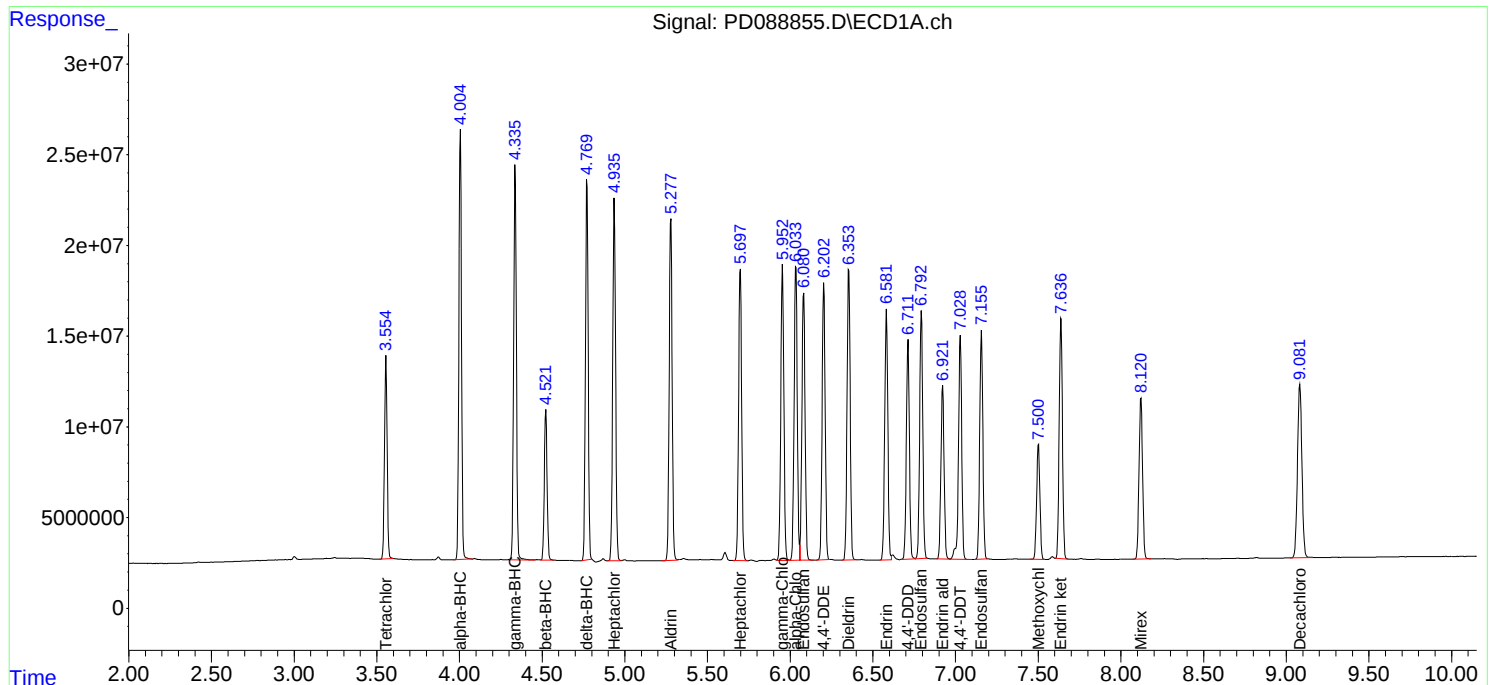
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

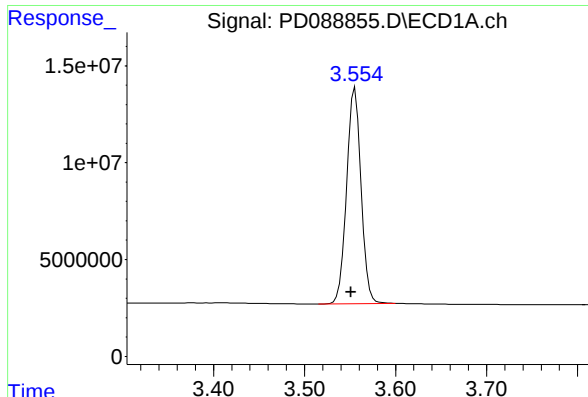
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
Data File : PD088855.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 10:38
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 14:12:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

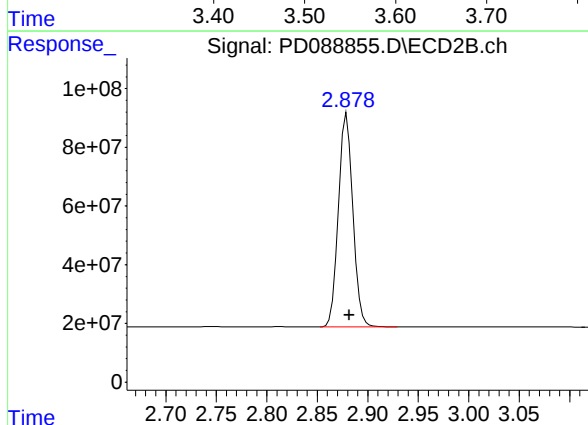




#1 Tetrachloro-m-xylene

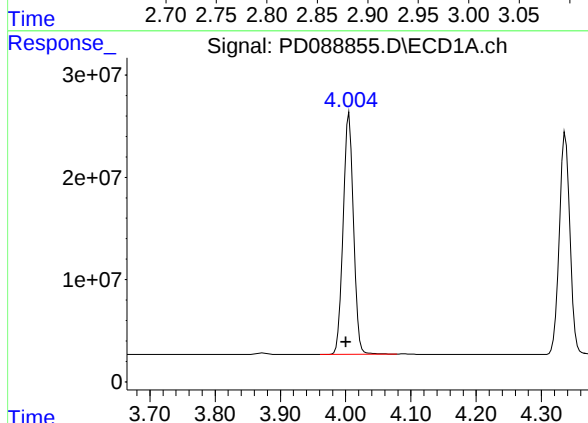
R.T.: 3.556 min
Delta R.T.: 0.005 min
Response: 123407218
Conc: 57.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



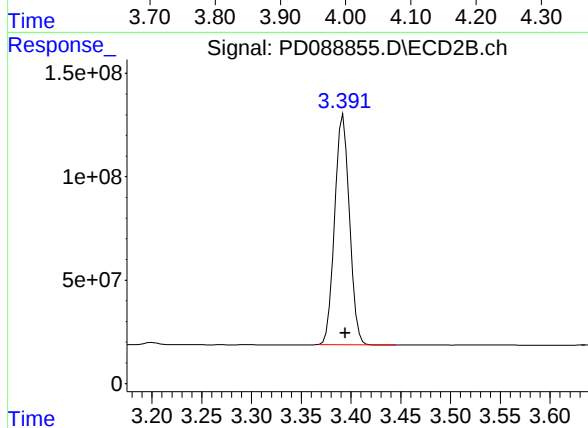
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 725373501
Conc: 47.95 ng/ml



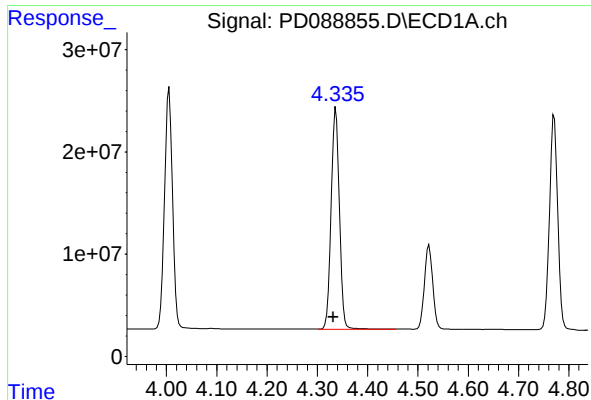
#2 alpha-BHC

R.T.: 4.005 min
Delta R.T.: 0.005 min
Response: 259951685
Conc: 54.42 ng/ml



#2 alpha-BHC

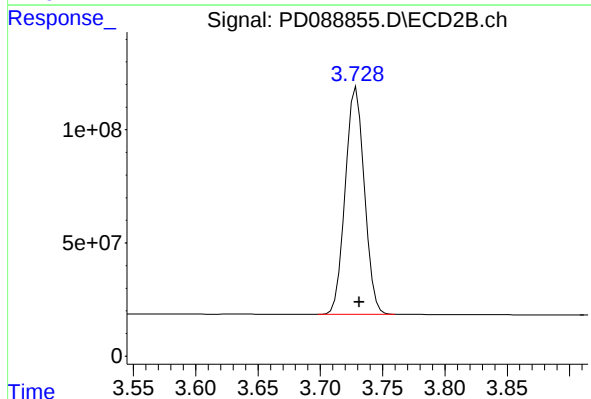
R.T.: 3.392 min
Delta R.T.: -0.002 min
Response: 1151324005
Conc: 48.17 ng/ml



#3 gamma-BHC (Lindane)

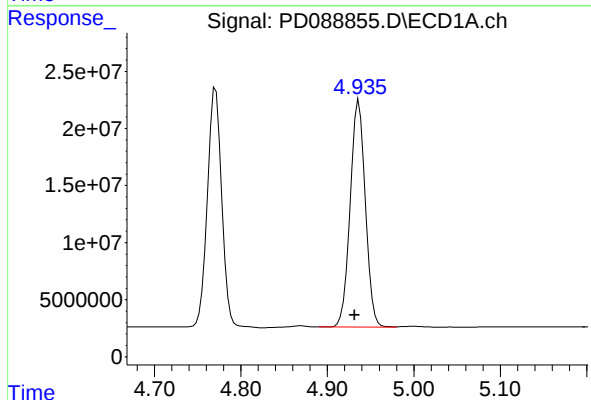
R.T.: 4.337 min
Delta R.T.: 0.005 min
Response: 247126642
Conc: 53.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



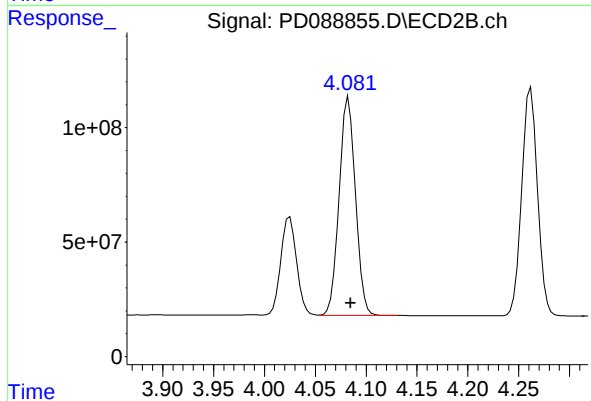
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: -0.002 min
Response: 1069973510
Conc: 48.27 ng/ml



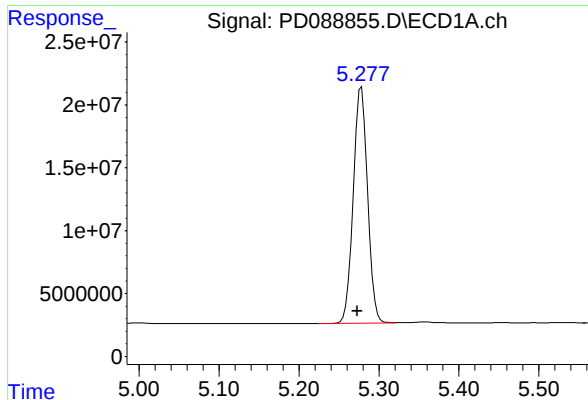
#4 Heptachlor

R.T.: 4.936 min
Delta R.T.: 0.005 min
Response: 241567939
Conc: 54.03 ng/ml



#4 Heptachlor

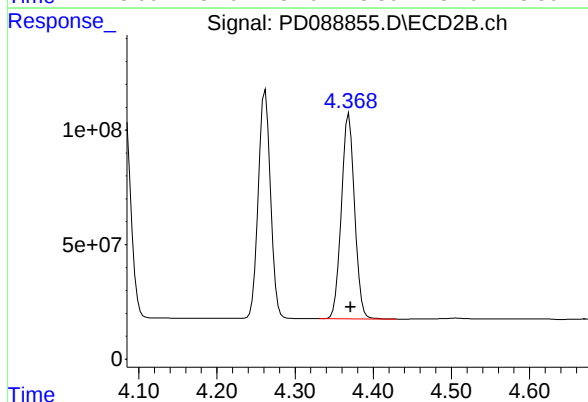
R.T.: 4.083 min
Delta R.T.: -0.002 min
Response: 1064679498
Conc: 47.41 ng/ml



#5 Aldrin

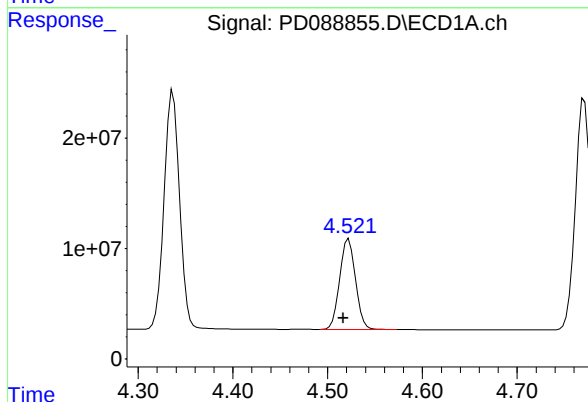
R.T.: 5.278 min
Delta R.T.: 0.005 min
Response: 234038942
Conc: 53.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



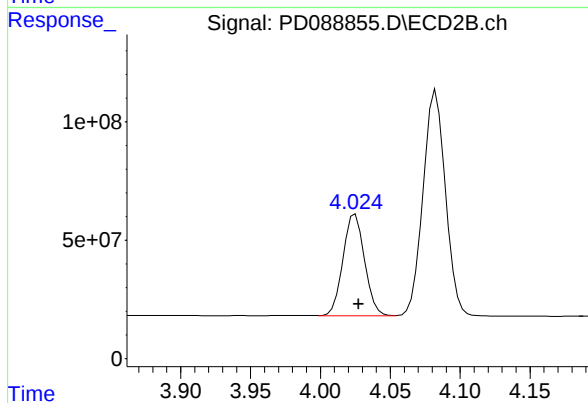
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: -0.002 min
Response: 1055863849
Conc: 48.15 ng/ml



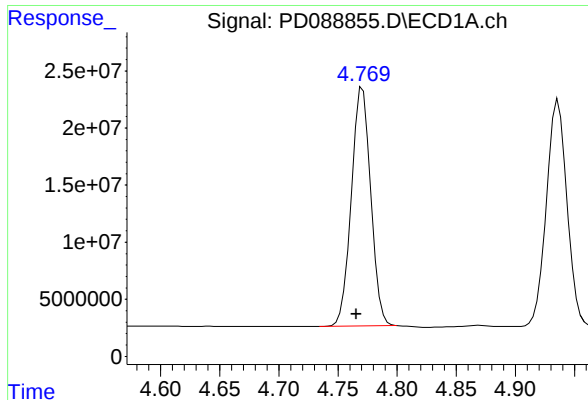
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: 0.005 min
Response: 95106201
Conc: 52.74 ng/ml



#6 beta-BHC

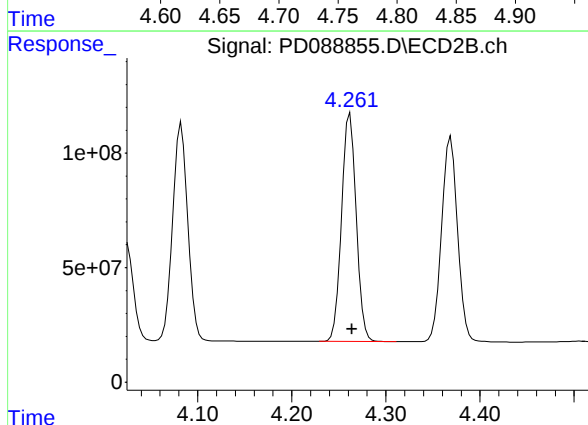
R.T.: 4.025 min
Delta R.T.: -0.002 min
Response: 463562580
Conc: 47.58 ng/ml



#7 delta-BHC

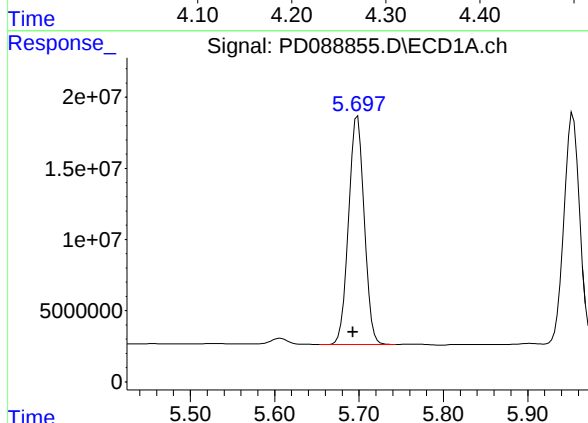
R.T.: 4.771 min
Delta R.T.: 0.005 min
Response: 237968704
Conc: 56.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



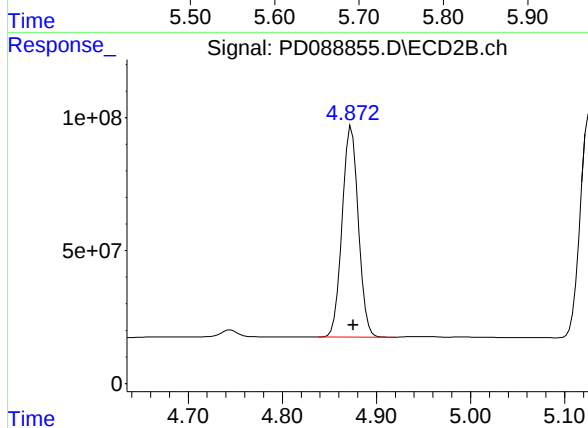
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: -0.002 min
Response: 1077397288
Conc: 48.33 ng/ml



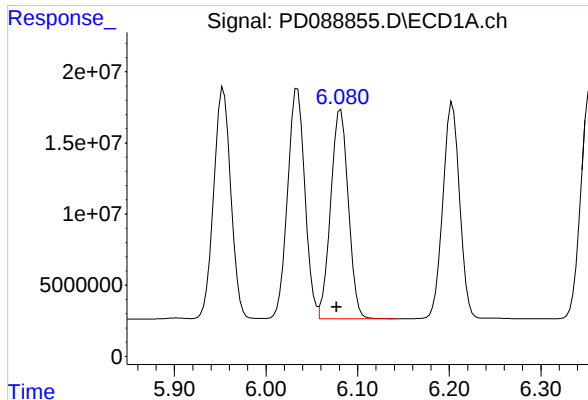
#8 Heptachlor epoxide

R.T.: 5.698 min
Delta R.T.: 0.006 min
Response: 206616737
Conc: 52.05 ng/ml



#8 Heptachlor epoxide

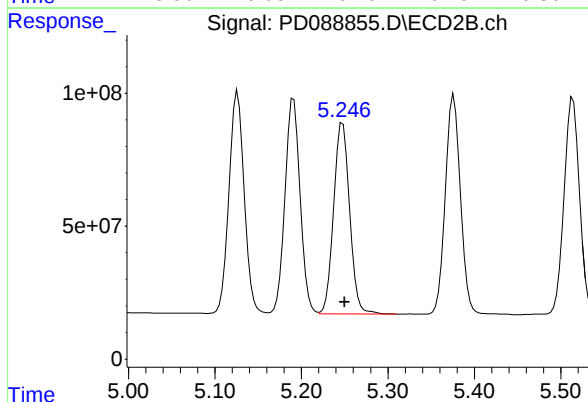
R.T.: 4.873 min
Delta R.T.: -0.002 min
Response: 949644299
Conc: 47.79 ng/ml



#9 Endosulfan I

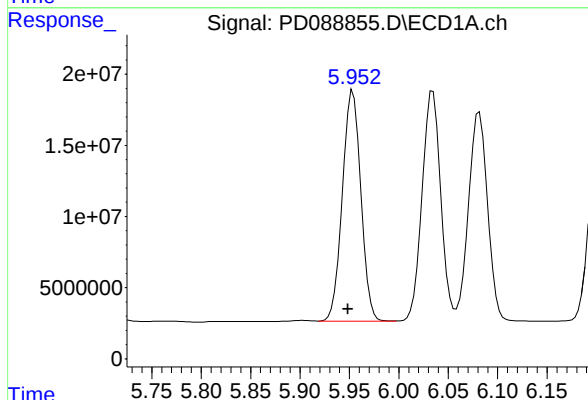
R.T.: 6.082 min
Delta R.T.: 0.005 min
Response: 196362589
Conc: 52.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



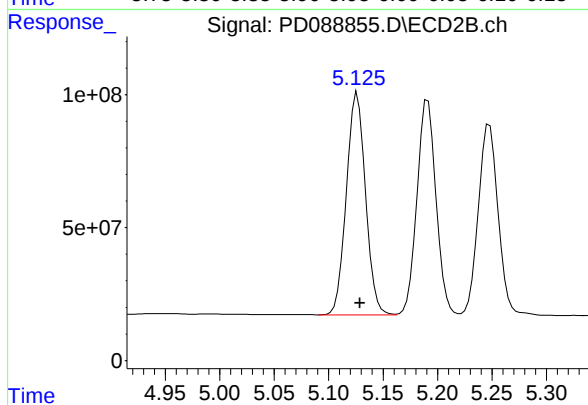
#9 Endosulfan I

R.T.: 5.248 min
Delta R.T.: -0.002 min
Response: 909887151
Conc: 47.94 ng/ml



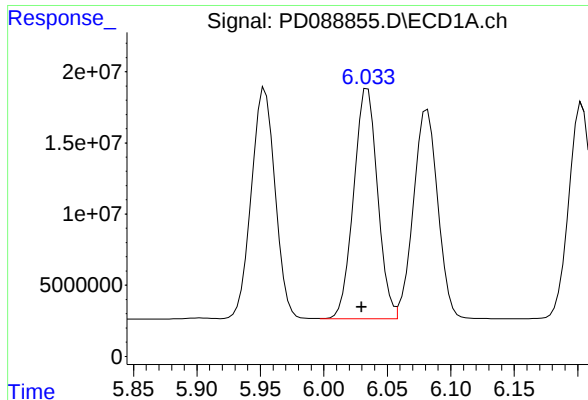
#10 gamma-Chlordane

R.T.: 5.954 min
Delta R.T.: 0.005 min
Response: 211285188
Conc: 52.97 ng/ml



#10 gamma-Chlordane

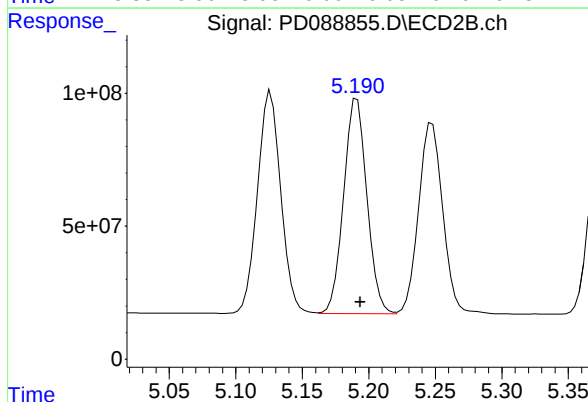
R.T.: 5.126 min
Delta R.T.: -0.002 min
Response: 1022758011
Conc: 47.94 ng/ml



#11 alpha-Chlordane

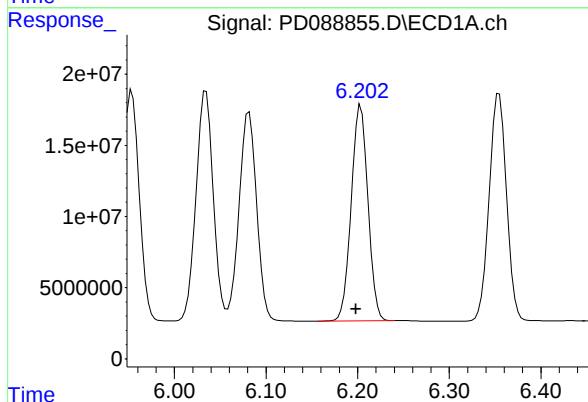
R.T.: 6.035 min
Delta R.T.: 0.005 min
Response: 211835288
Conc: 52.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



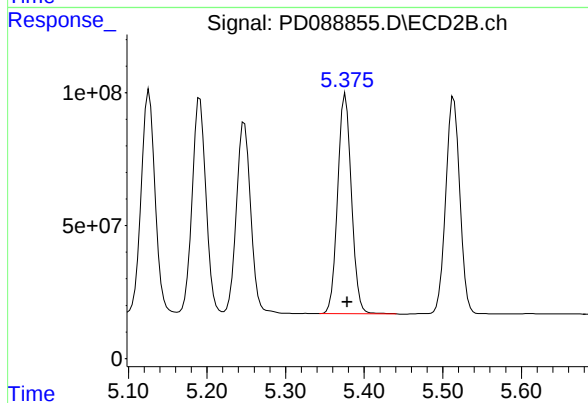
#11 alpha-Chlordane

R.T.: 5.191 min
Delta R.T.: -0.002 min
Response: 986546630
Conc: 47.83 ng/ml



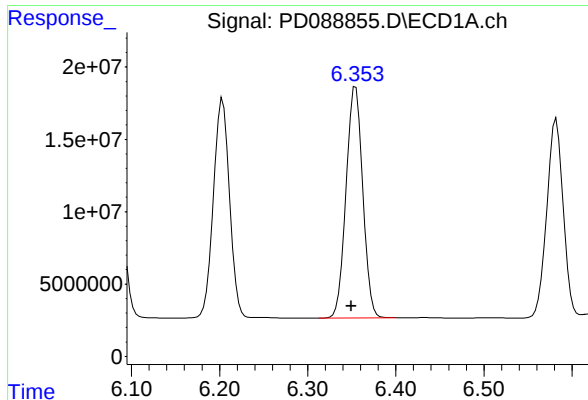
#12 4,4'-DDE

R.T.: 6.204 min
Delta R.T.: 0.005 min
Response: 192527030
Conc: 53.64 ng/ml



#12 4,4'-DDE

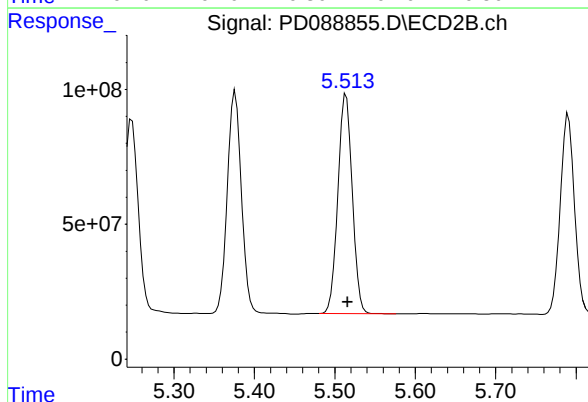
R.T.: 5.376 min
Delta R.T.: -0.002 min
Response: 100363877
Conc: 48.01 ng/ml



#13 Dieldrin

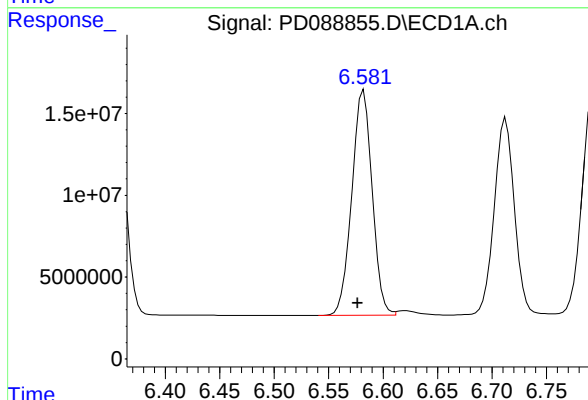
R.T.: 6.354 min
Delta R.T.: 0.005 min
Response: 210553043
Conc: 52.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



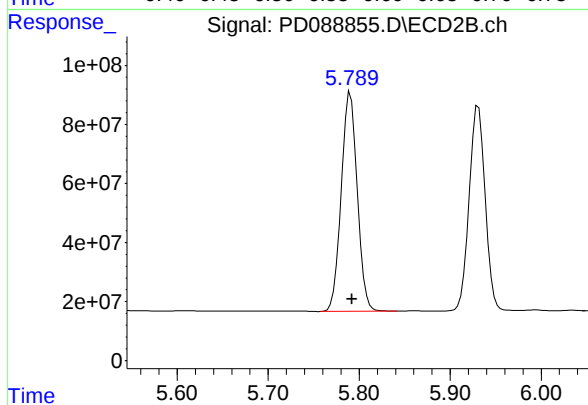
#13 Dieldrin

R.T.: 5.514 min
Delta R.T.: -0.002 min
Response: 1012870524
Conc: 48.13 ng/ml



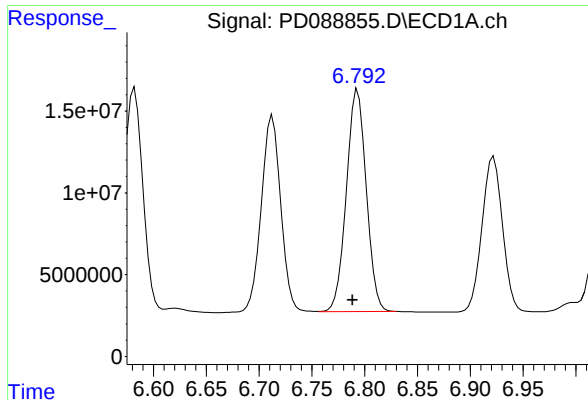
#14 Endrin

R.T.: 6.582 min
Delta R.T.: 0.006 min
Response: 178743954
Conc: 52.34 ng/ml



#14 Endrin

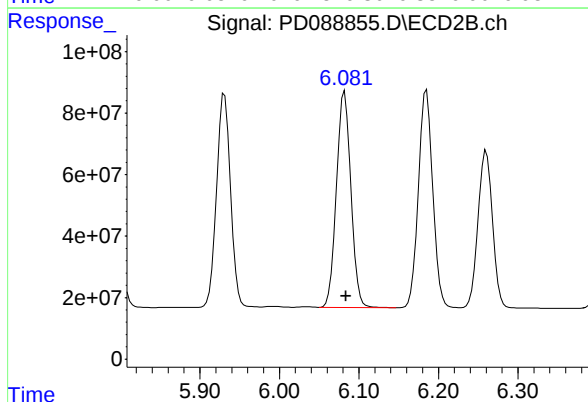
R.T.: 5.790 min
Delta R.T.: -0.002 min
Response: 909323733
Conc: 47.15 ng/ml



#15 Endosulfan II

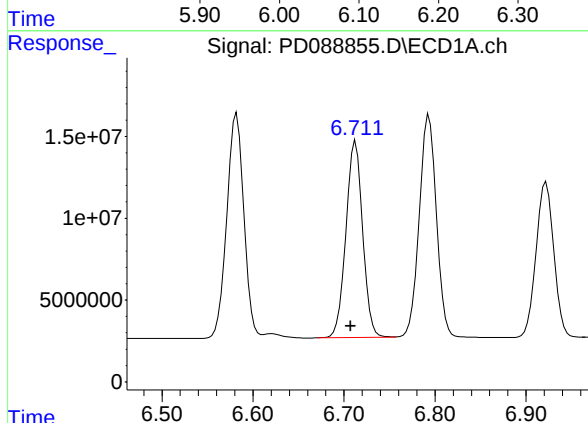
R.T.: 6.793 min
Delta R.T.: 0.005 min
Response: 177943580
Conc: 51.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



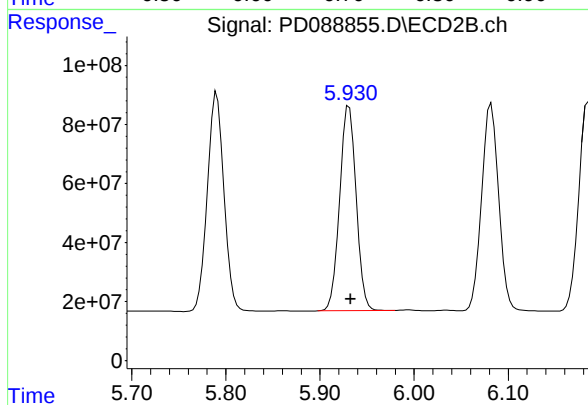
#15 Endosulfan II

R.T.: 6.082 min
Delta R.T.: -0.002 min
Response: 887587619
Conc: 48.44 ng/ml



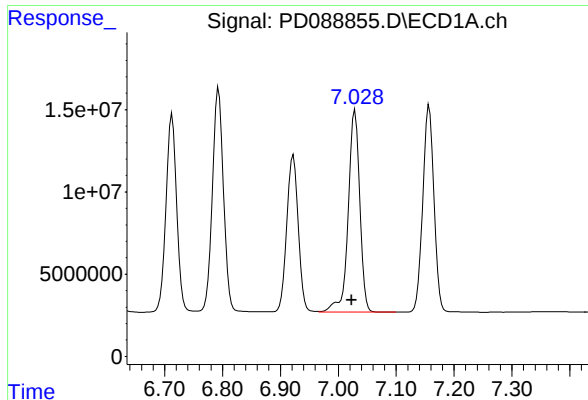
#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: 0.005 min
Response: 154029781
Conc: 55.30 ng/ml



#16 4,4'-DDD

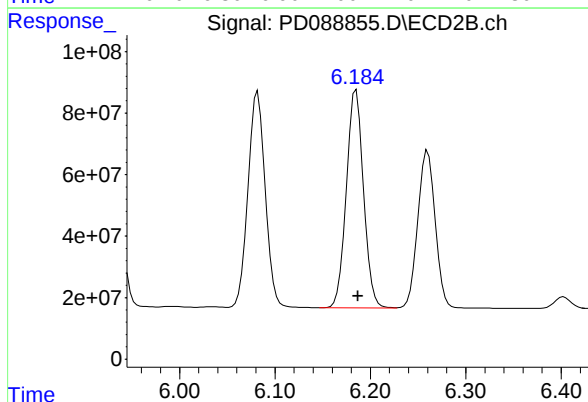
R.T.: 5.931 min
Delta R.T.: -0.002 min
Response: 846272125
Conc: 48.66 ng/ml



#17 4,4'-DDT

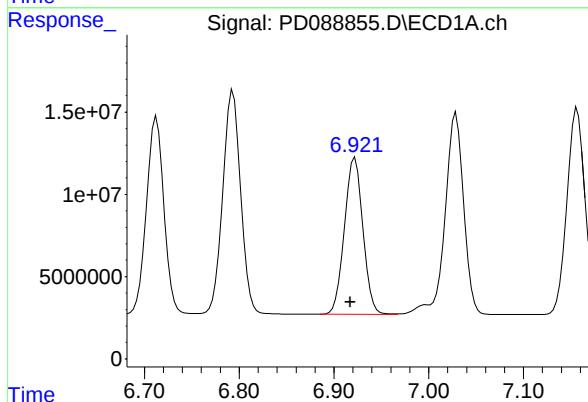
R.T.: 7.029 min
Delta R.T.: 0.006 min
Response: 167617414
Conc: 53.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



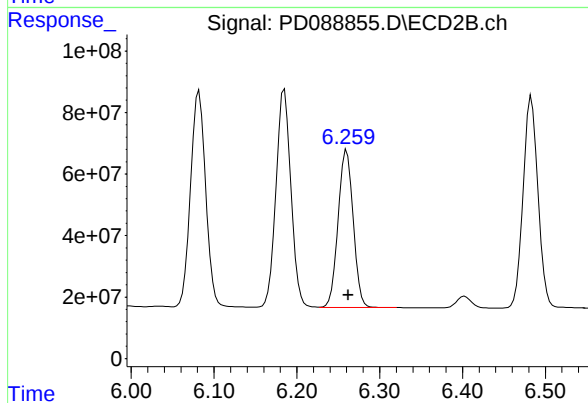
#17 4,4'-DDT

R.T.: 6.185 min
Delta R.T.: -0.002 min
Response: 889896104
Conc: 49.06 ng/ml



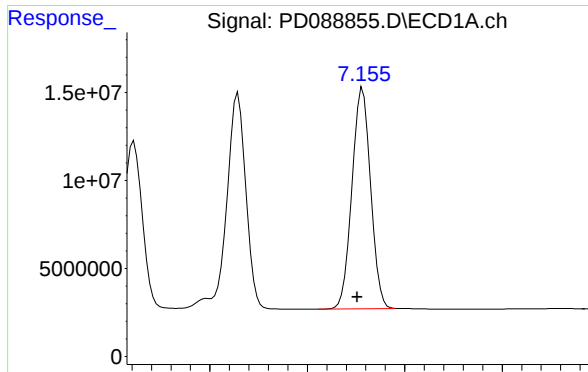
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: 0.005 min
Response: 128867579
Conc: 50.05 ng/ml



#18 Endrin aldehyde

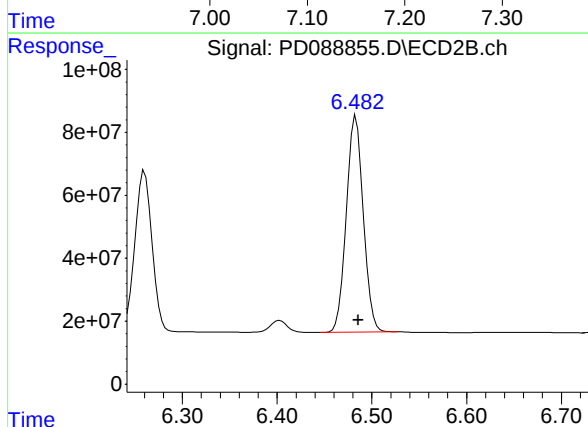
R.T.: 6.260 min
Delta R.T.: -0.002 min
Response: 647049364
Conc: 46.45 ng/ml



#19 Endosulfan Sulfate

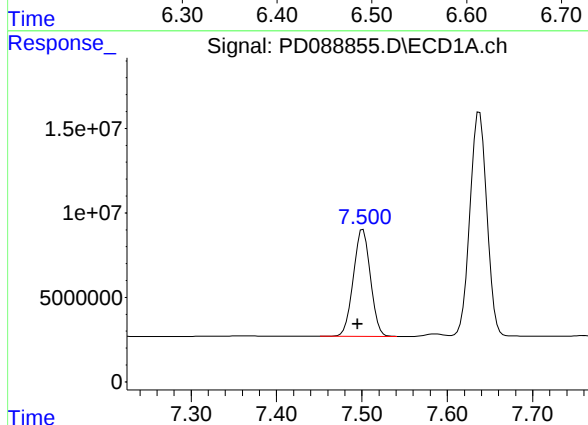
R.T.: 7.157 min
Delta R.T.: 0.005 min
Response: 166919695
Conc: 52.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



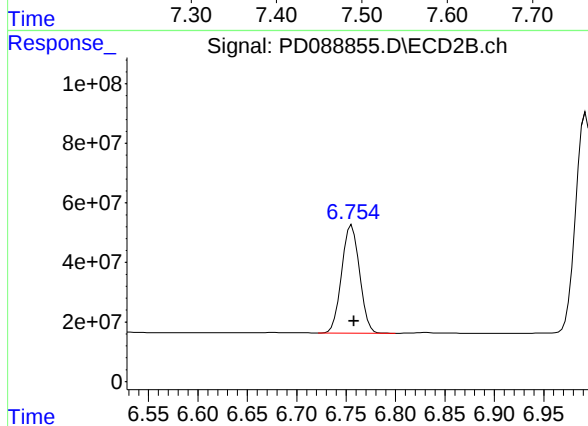
#19 Endosulfan Sulfate

R.T.: 6.483 min
Delta R.T.: -0.003 min
Response: 856343273
Conc: 48.23 ng/ml



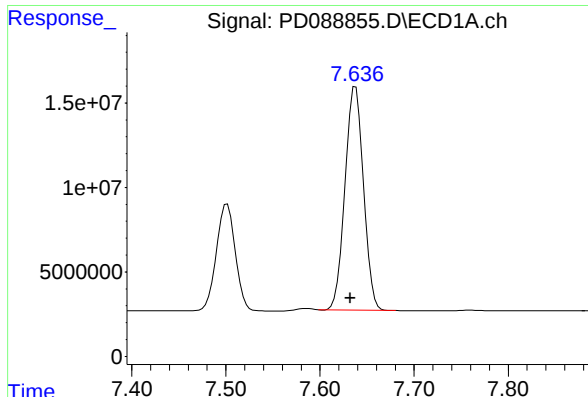
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.006 min
Response: 87996575
Conc: 52.68 ng/ml



#20 Methoxychlor

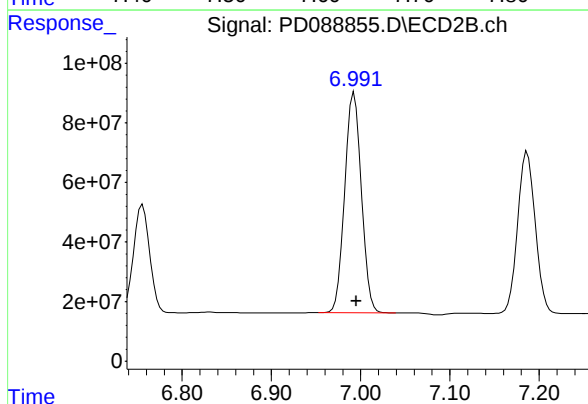
R.T.: 6.756 min
Delta R.T.: -0.002 min
Response: 458066848
Conc: 47.84 ng/ml



#21 Endrin ketone

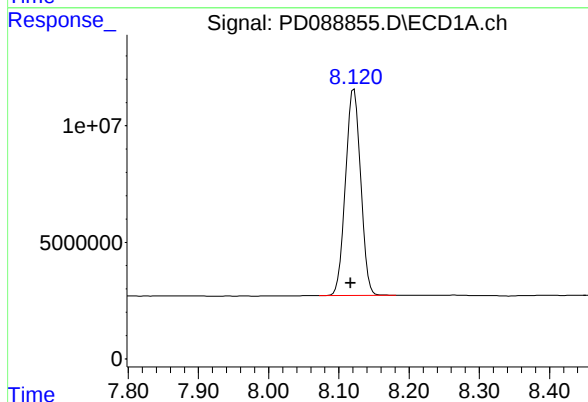
R.T.: 7.638 min
Delta R.T.: 0.005 min
Response: 180733395
Conc: 52.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



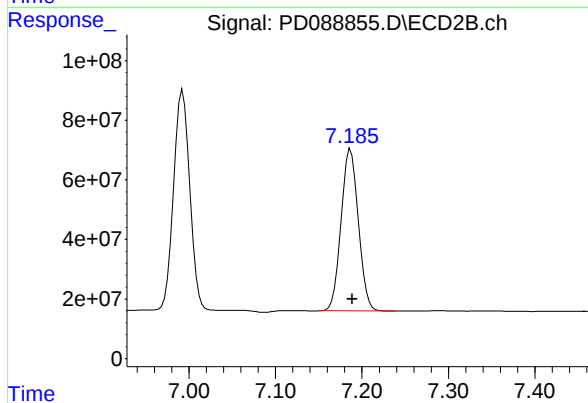
#21 Endrin ketone

R.T.: 6.993 min
Delta R.T.: -0.002 min
Response: 962067650
Conc: 49.73 ng/ml



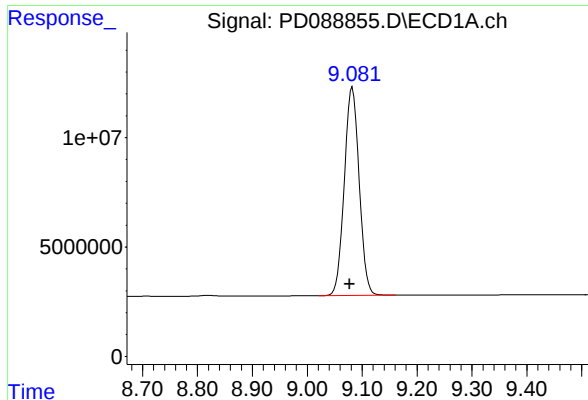
#22 Mirex

R.T.: 8.121 min
Delta R.T.: 0.005 min
Response: 133150141
Conc: 51.25 ng/ml



#22 Mirex

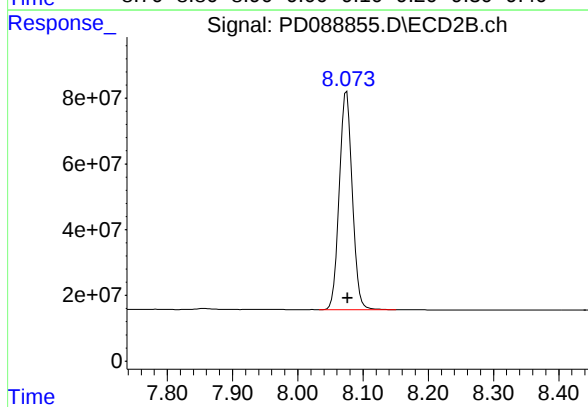
R.T.: 7.187 min
Delta R.T.: -0.002 min
Response: 747666315
Conc: 49.18 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.082 min
Delta R.T.: 0.005 min
Response: 179210162
Conc: 52.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 918552680
Conc: 50.31 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

Continuing Calib Date: 06/10/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 14:49 Initial Calibration Time(s): 11:31 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.51	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.77	4.67	4.87	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	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	6.70	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	7.50	7.40	7.60	0.01
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



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

Continuing Calib Date: 06/10/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 14:49 Initial Calibration Time(s): 11:31 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.03	4.03	3.93	4.13	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	4.09	3.99	4.19	0.01
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.88	4.78	4.98	0.01
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.51	5.52	5.42	5.62	0.01
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	6.49	6.39	6.59	0.01
4,4'-DDT	6.18	6.19	6.09	6.29	0.01
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	7.00	6.90	7.10	0.01
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	5.13	5.13	5.03	5.23	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL02 Date Analyzed: 06/10/2025

Lab Sample No.: PSTDCCC050 Data File : PD088866.D Time Analyzed: 14:49

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.704	6.608	6.808	54.200	50.000	8.4
4,4'-DDE	6.195	6.098	6.298	53.210	50.000	6.4
4,4'-DDT	7.021	6.923	7.123	52.530	50.000	5.1
Aldrin	5.270	5.173	5.373	53.120	50.000	6.2
alpha-BHC	3.998	3.900	4.100	54.050	50.000	8.1
alpha-Chlordane	6.026	5.930	6.130	52.750	50.000	5.5
beta-BHC	4.514	4.417	4.617	52.850	50.000	5.7
Decachlorobiphenyl	9.073	8.977	9.177	51.320	50.000	2.6
delta-BHC	4.763	4.666	4.866	56.340	50.000	12.7
Dieldrin	6.346	6.250	6.450	52.270	50.000	4.5
Endosulfan I	6.074	5.977	6.177	52.080	50.000	4.2
Endosulfan II	6.786	6.688	6.888	51.150	50.000	2.3
Endosulfan sulfate	7.149	7.052	7.252	51.540	50.000	3.1
Endrin	6.574	6.477	6.677	51.740	50.000	3.5
Endrin aldehyde	6.915	6.817	7.017	49.760	50.000	-0.5
Endrin ketone	7.630	7.533	7.733	52.180	50.000	4.4
gamma-BHC (Lindane)	4.329	4.232	4.432	53.320	50.000	6.6
gamma-Chlordane	5.945	5.848	6.048	52.750	50.000	5.5
Heptachlor	4.928	4.832	5.032	53.600	50.000	7.2
Heptachlor epoxide	5.690	5.593	5.793	52.350	50.000	4.7
Methoxychlor	7.493	7.395	7.595	51.440	50.000	2.9
Tetrachloro-m-xylene	3.548	3.451	3.651	57.070	50.000	14.1



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL02 Date Analyzed: 06/10/2025

Lab Sample No.: PSTDCCC050 Data File : PD088866.D Time Analyzed: 14:49

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.930	5.833	6.033	49.130	50.000	-1.7
4,4'-DDE	5.374	5.278	5.478	48.220	50.000	-3.6
4,4'-DDT	6.184	6.087	6.287	49.140	50.000	-1.7
Aldrin	4.369	4.271	4.471	48.900	50.000	-2.2
alpha-BHC	3.393	3.294	3.494	48.930	50.000	-2.1
alpha-Chlordane	5.190	5.094	5.294	48.130	50.000	-3.7
beta-BHC	4.025	3.927	4.127	48.010	50.000	-4.0
Decachlorobiphenyl	8.073	7.977	8.177	49.750	50.000	-0.5
delta-BHC	4.262	4.164	4.364	48.990	50.000	-2.0
Dieldrin	5.513	5.416	5.616	48.450	50.000	-3.1
Endosulfan I	5.247	5.150	5.350	47.740	50.000	-4.5
Endosulfan II	6.080	5.984	6.184	48.640	50.000	-2.7
Endosulfan sulfate	6.482	6.386	6.586	48.480	50.000	-3.0
Endrin	5.789	5.692	5.892	47.940	50.000	-4.1
Endrin aldehyde	6.259	6.162	6.362	46.940	50.000	-6.1
Endrin ketone	6.992	6.895	7.095	49.570	50.000	-0.9
gamma-BHC (Lindane)	3.729	3.631	3.831	48.820	50.000	-2.4
gamma-Chlordane	5.125	5.029	5.229	48.360	50.000	-3.3
Heptachlor	4.083	3.985	4.185	48.230	50.000	-3.5
Heptachlor epoxide	4.872	4.775	4.975	48.250	50.000	-3.5
Methoxychlor	6.755	6.658	6.858	48.550	50.000	-2.9
Tetrachloro-m-xylene	2.880	2.782	2.982	48.570	50.000	-2.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
 Data File : PD088866.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Jun 2025 14:49
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 06/11/2025

Supervised By :mohammad ahmed 06/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 10 15:00:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.548	2.880	123.5E6	734.7E6	57.070	48.570
28) SA Decachlor...	9.073	8.073	175.6E6	908.2E6	51.321	49.746
Target Compounds						
2) A alpha-BHC	3.998	3.393	258.2E6	1169.6E6	54.049	48.928
3) MA gamma-BHC...	4.329	3.729	245.4E6	1082.1E6	53.322	48.817
4) MA Heptachlor	4.928	4.083	239.7E6	1083.0E6	53.600	48.230
5) MB Aldrin	5.270	4.369	233.5E6	1072.4E6	53.124	48.900
6) B beta-BHC	4.514	4.025	95291836	467.7E6	52.847	48.006
7) B delta-BHC	4.763	4.262	238.1E6	1092.2E6	56.340	48.988
8) B Heptachlo...	5.690	4.872	207.8E6	958.8E6	52.346	48.250
9) A Endosulfan I	6.074	5.247	196.0E6	906.0E6	52.080	47.740
10) B gamma-Chl...	5.945	5.125	210.4E6	1031.6E6	52.752	48.358
11) B alpha-Chl...	6.026	5.190	211.3E6	992.7E6	52.746	48.132
12) B 4,4'-DDE	6.195	5.374	191.0E6	1008.0E6	53.208	48.223m
13) MA Dieldrin	6.346	5.513	209.7E6	1019.6E6	52.266	48.450
14) MA Endrin	6.574	5.789	176.7E6	924.6E6	51.735	47.944
15) B Endosulfa...	6.786	6.080	176.2E6	891.1E6	51.155	48.637
16) A 4,4'-DDD	6.704	5.930	150.9E6	854.6E6	54.198	49.135
17) MA 4,4'-DDT	7.021	6.184	164.0E6	891.2E6	52.530	49.136
18) B Endrin al...	6.915	6.259	128.1E6	653.8E6	49.759	46.939
19) B Endosulfa...	7.149	6.482	165.1E6	860.8E6	51.545	48.479
20) A Methoxychlor	7.493	6.755	85933626	464.9E6	51.440	48.553
21) B Endrin ke...	7.630	6.992	178.6E6	959.0E6	52.182	49.568
22) Mirex	8.114	7.186	131.6E6	740.8E6	50.641	48.730

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
Data File : PD088866.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 14:49
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

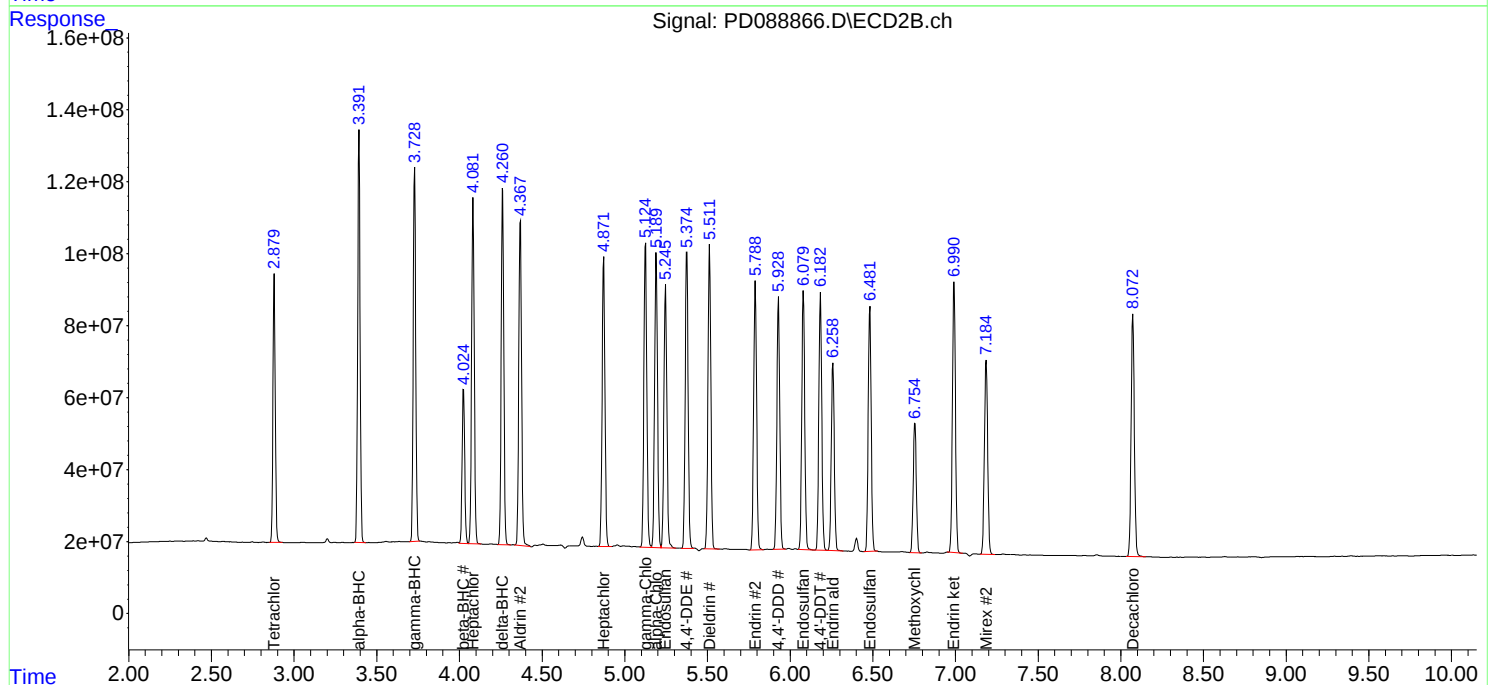
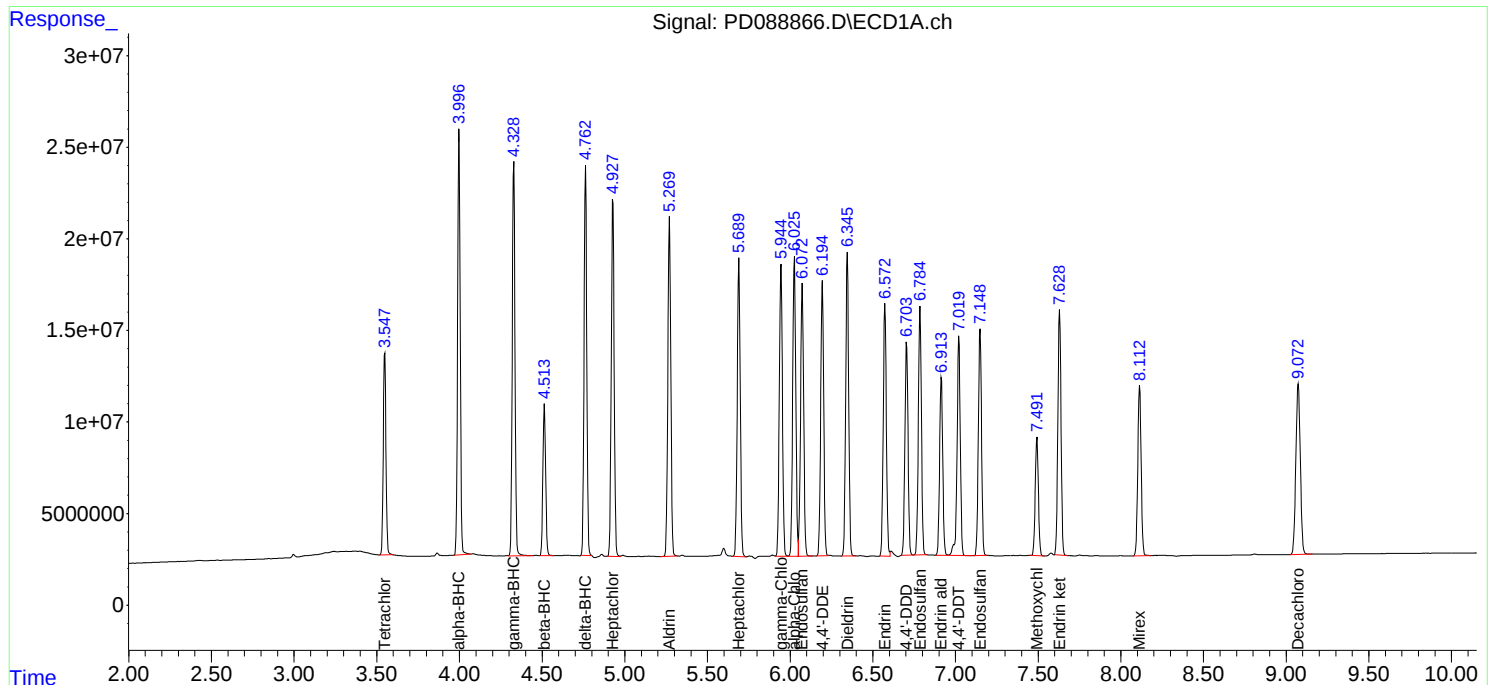
APPROVED

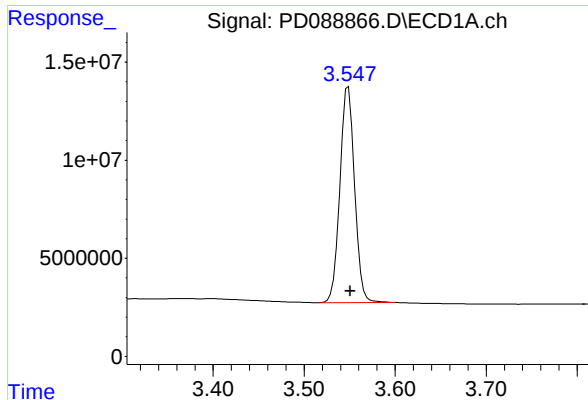
Reviewed By :Abdul Mirza 06/11/2025

Supervised By :mohammad ahmed 06/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 15:00:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





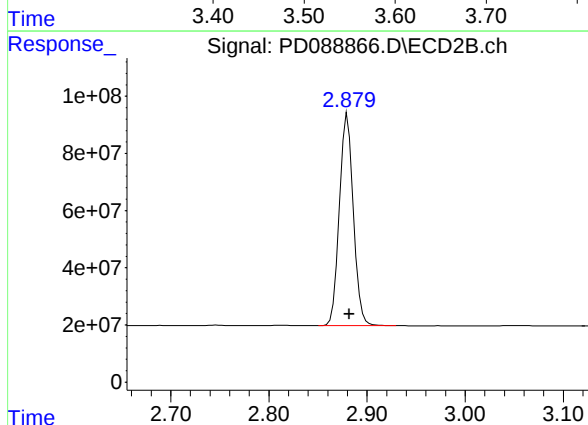
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: -0.003 min
Response: 123485466
Conc: 57.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

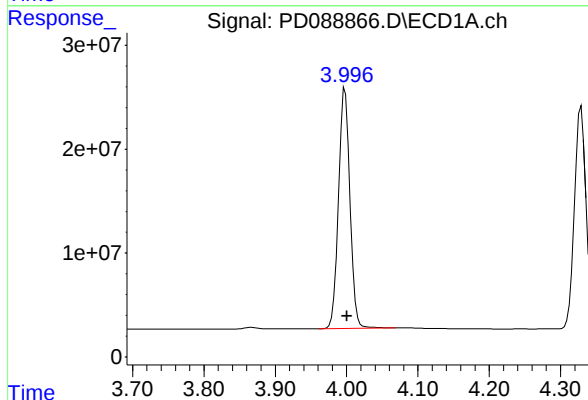
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/13/2025



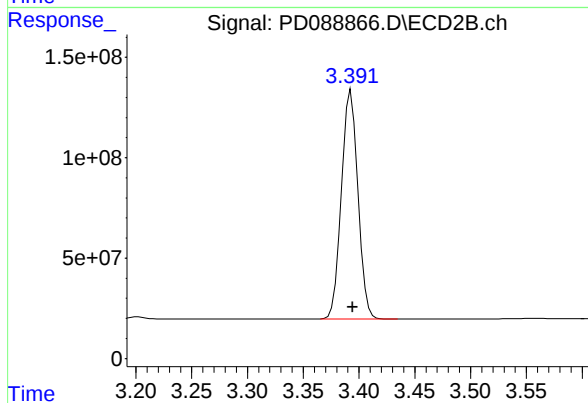
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.001 min
Response: 734706748
Conc: 48.57 ng/ml



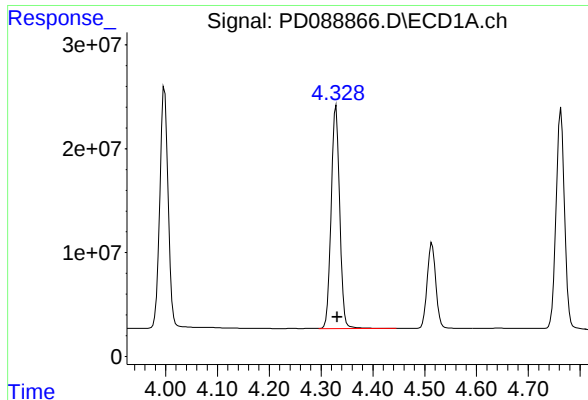
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.003 min
Response: 258168497
Conc: 54.05 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: -0.002 min
Response: 1169554634
Conc: 48.93 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: -0.003 min
Response: 245426953
Conc: 53.32 ng/ml

Instrument :

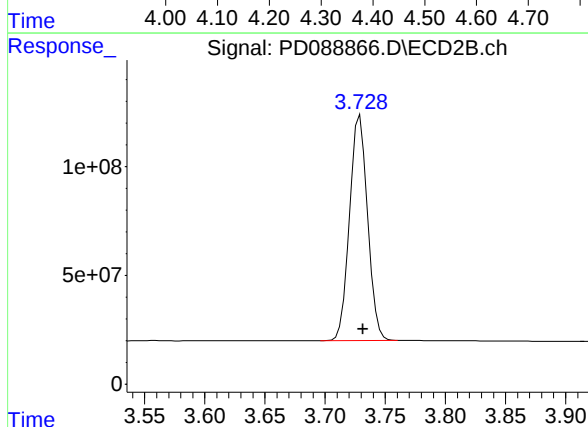
ECD_D

ClientSampleId :

PSTDCCC050

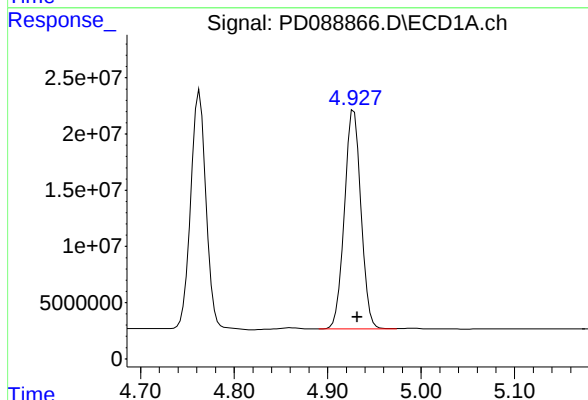
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/13/2025



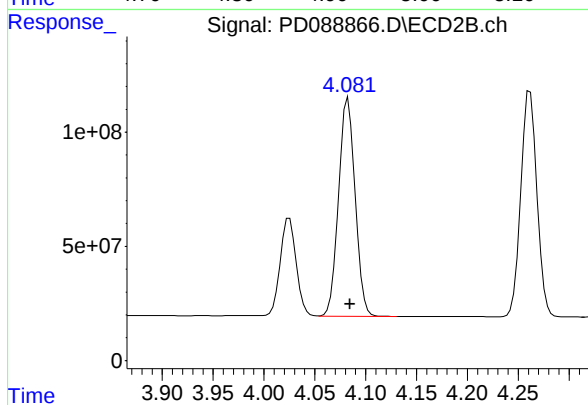
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: -0.002 min
Response: 1082064329
Conc: 48.82 ng/ml



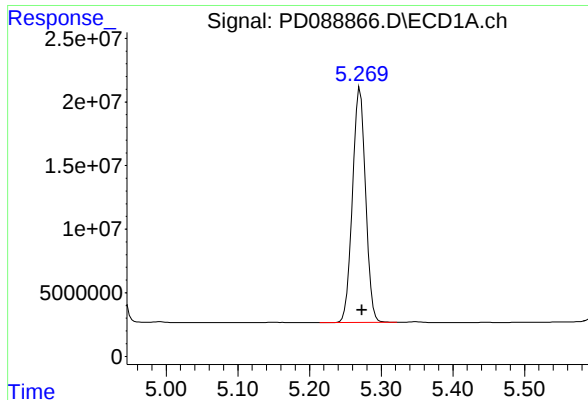
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: -0.004 min
Response: 239659372
Conc: 53.60 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: -0.002 min
Response: 1083006796
Conc: 48.23 ng/ml



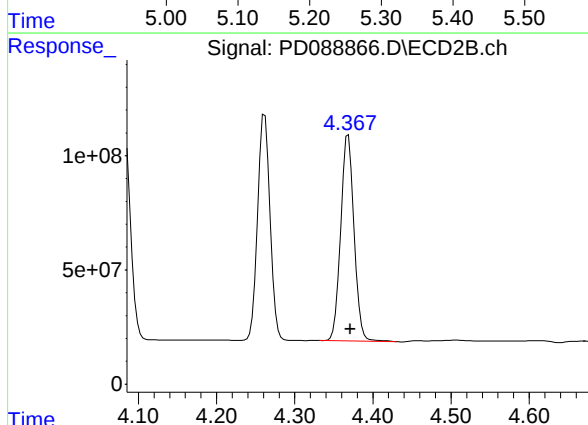
#5 Aldrin

R.T.: 5.270 min
Delta R.T.: -0.003 min
Response: 233452268
Conc: 53.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

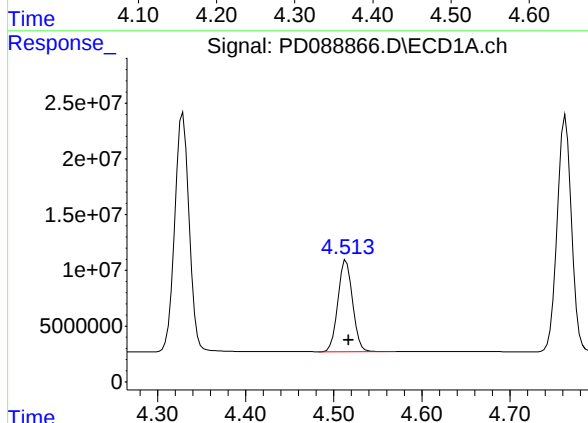
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/13/2025



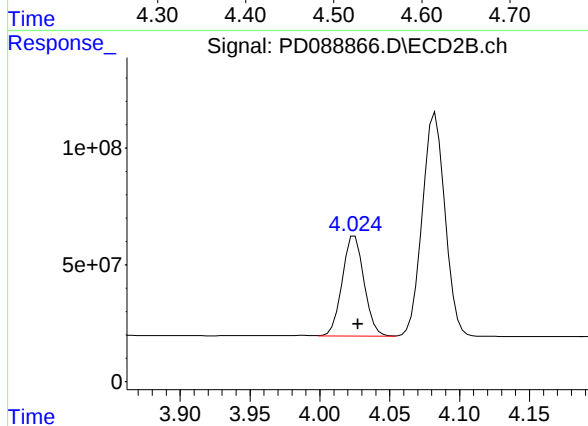
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: -0.003 min
Response: 1072367569
Conc: 48.90 ng/ml



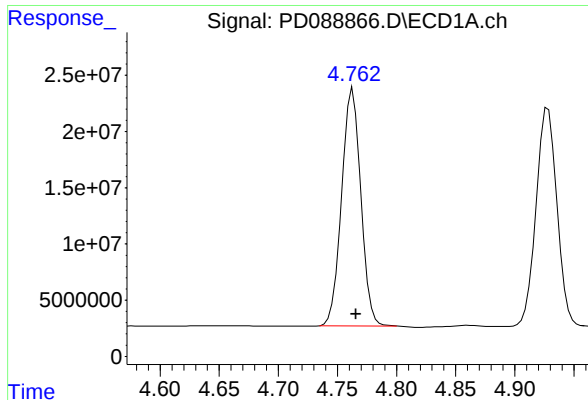
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.003 min
Response: 95291836
Conc: 52.85 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: -0.002 min
Response: 467669930
Conc: 48.01 ng/ml



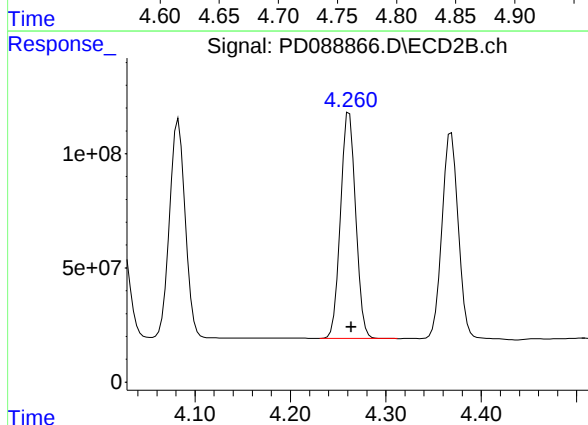
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: -0.003 min
Response: 238099136
Conc: 56.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

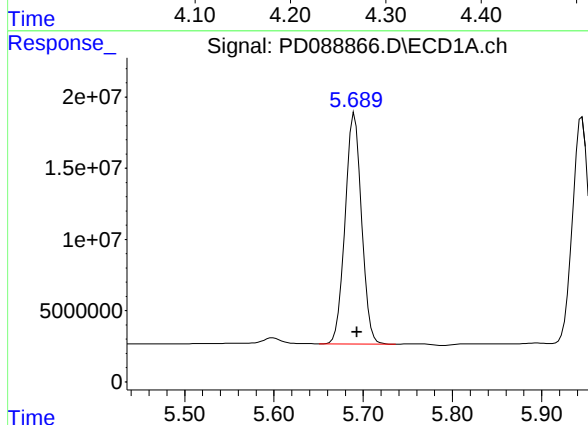
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/13/2025



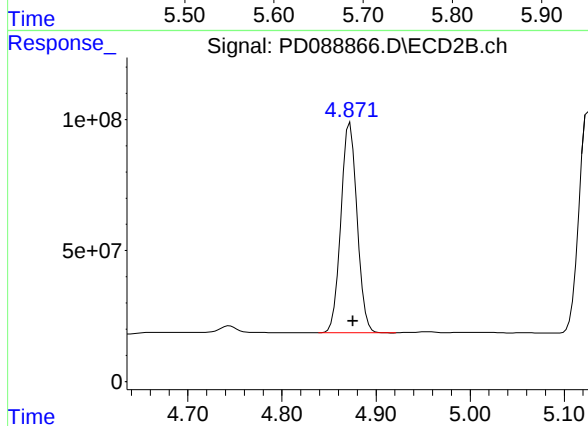
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: -0.002 min
Response: 1092150817
Conc: 48.99 ng/ml



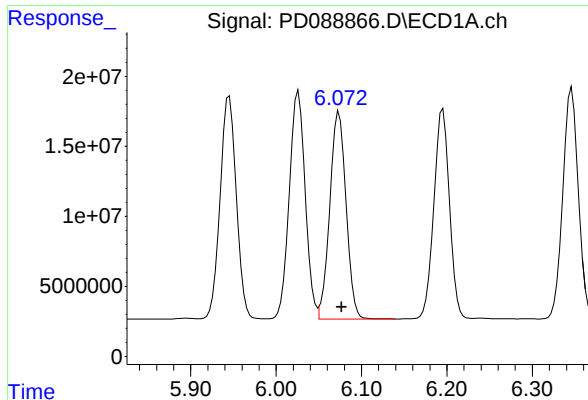
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: -0.002 min
Response: 207777767
Conc: 52.35 ng/ml



#8 Heptachlor epoxide

R.T.: 4.872 min
Delta R.T.: -0.003 min
Response: 958795077
Conc: 48.25 ng/ml



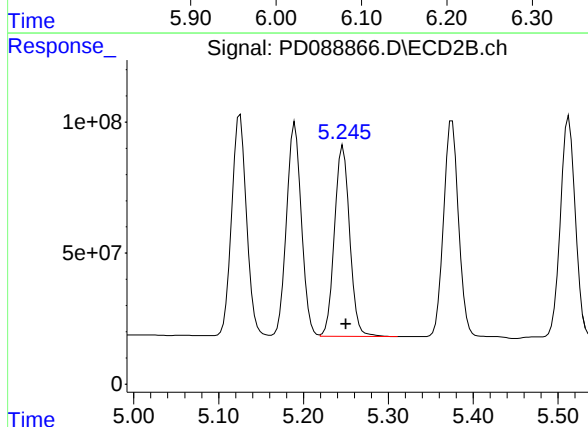
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: -0.003 min
Response: 195972483
Conc: 52.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

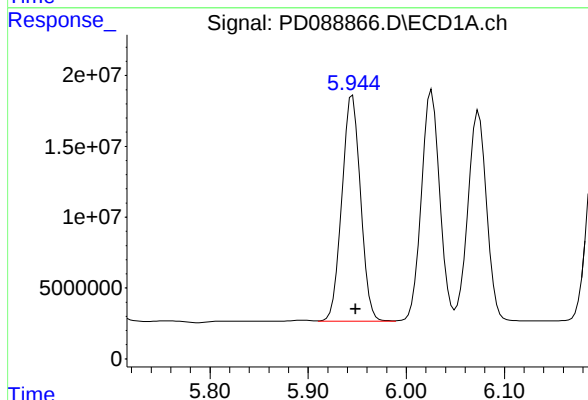
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/13/2025



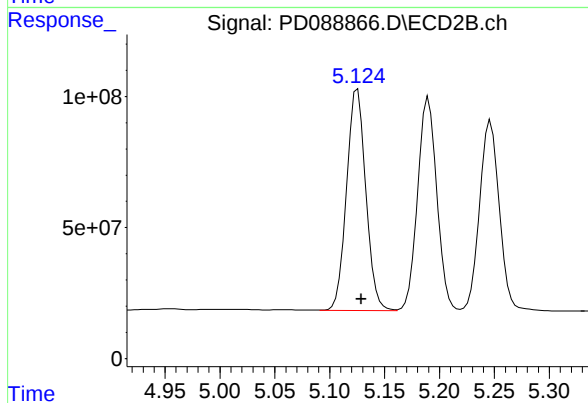
#9 Endosulfan I

R.T.: 5.247 min
Delta R.T.: -0.003 min
Response: 906030638
Conc: 47.74 ng/ml



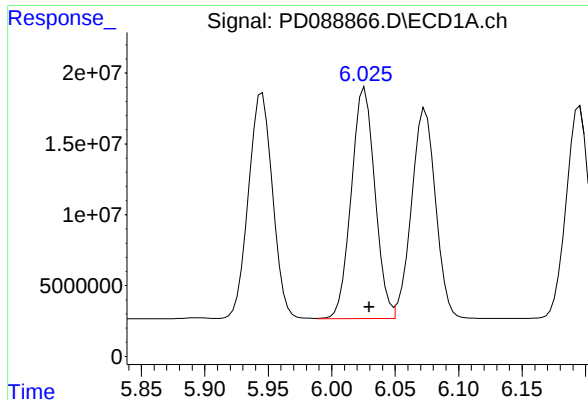
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: -0.003 min
Response: 210423248
Conc: 52.75 ng/ml



#10 gamma-Chlordane

R.T.: 5.125 min
Delta R.T.: -0.004 min
Response: 1031582198
Conc: 48.36 ng/ml



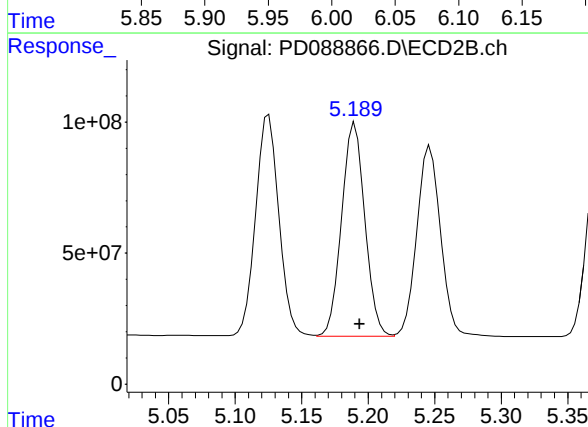
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: -0.004 min
Response: 211313906
Conc: 52.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

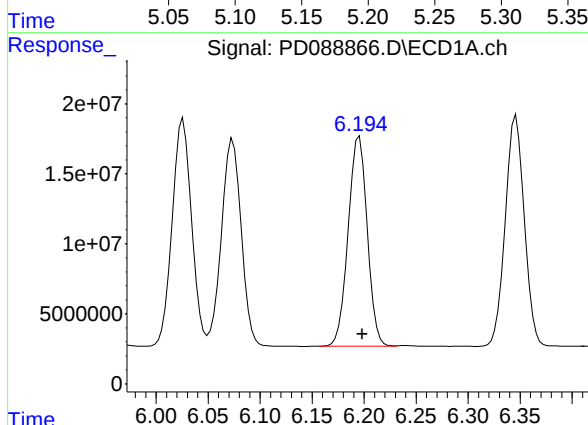
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/13/2025



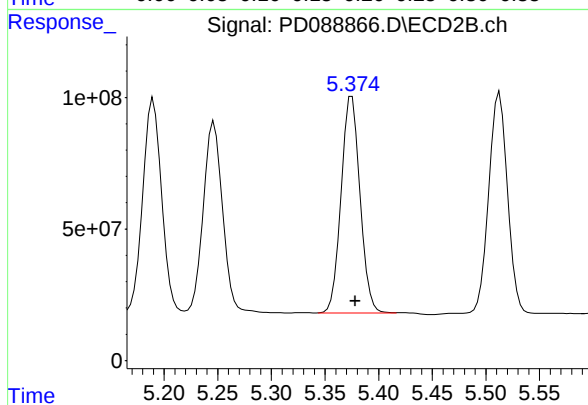
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: -0.004 min
Response: 992723763
Conc: 48.13 ng/ml



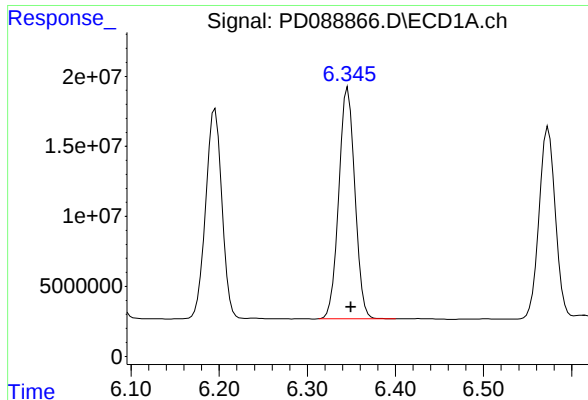
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: -0.003 min
Response: 190983970
Conc: 53.21 ng/ml



#12 4,4'-DDE

R.T.: 5.374 min
Delta R.T.: -0.005 min
Response: 1007983336
Conc: 48.22 ng/ml m



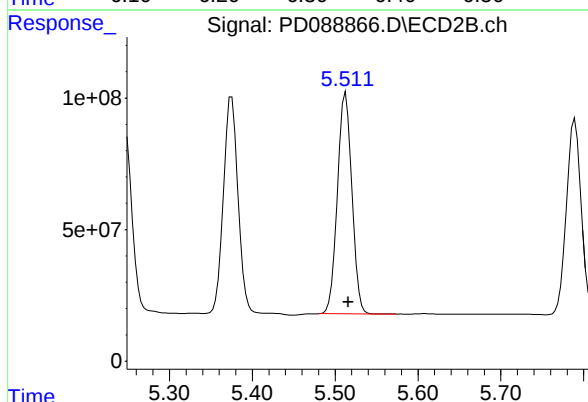
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: -0.003 min
Response: 209676526
Conc: 52.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

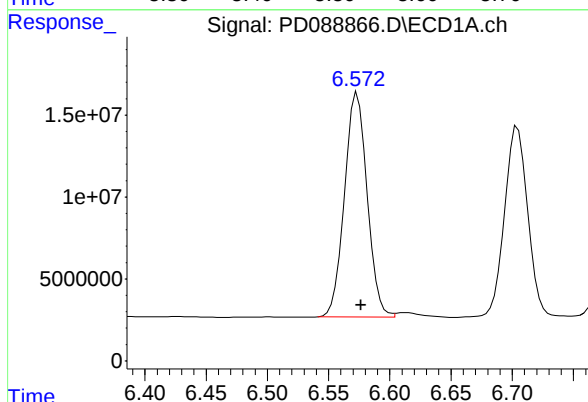
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/13/2025



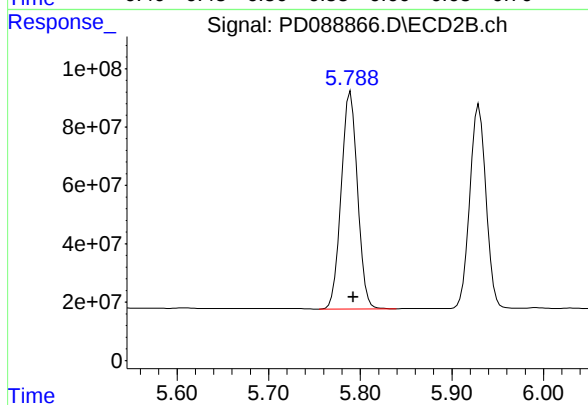
#13 Dieldrin

R.T.: 5.513 min
Delta R.T.: -0.003 min
Response: 1019586709
Conc: 48.45 ng/ml



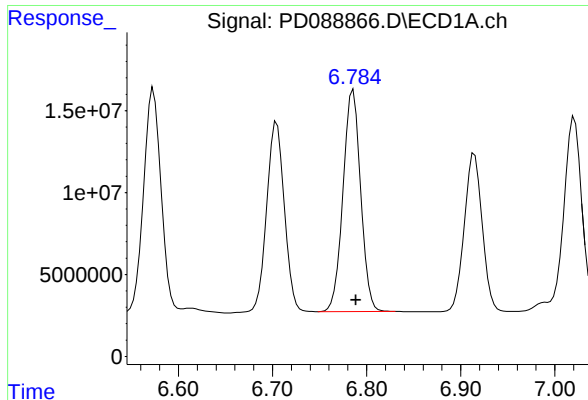
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.003 min
Response: 176685822
Conc: 51.74 ng/ml



#14 Endrin

R.T.: 5.789 min
Delta R.T.: -0.003 min
Response: 924553258
Conc: 47.94 ng/ml



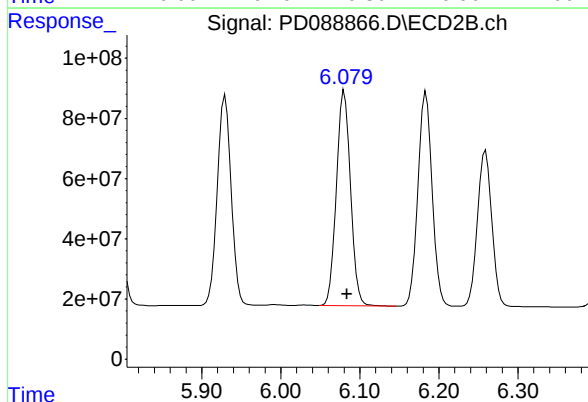
#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: -0.003 min
Response: 176156303
Conc: 51.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

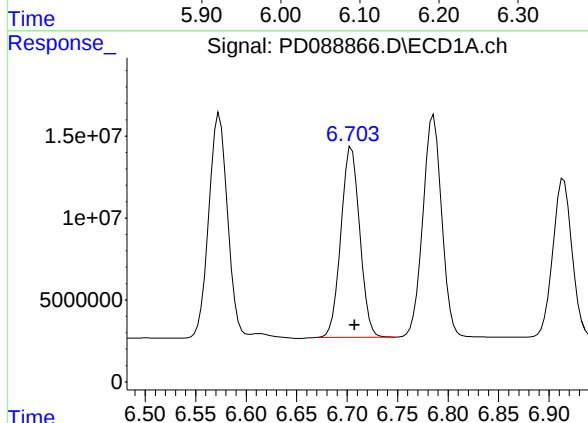
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/13/2025



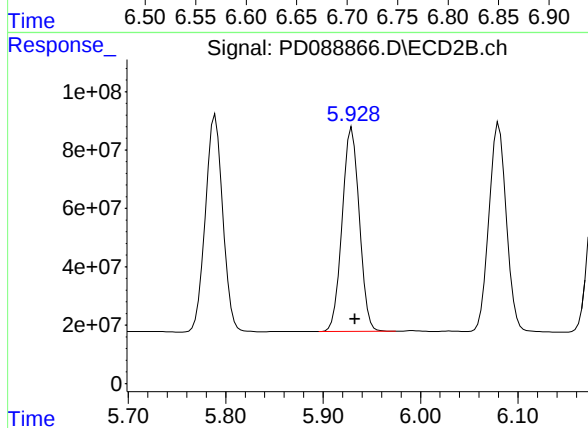
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: -0.003 min
Response: 891120491
Conc: 48.64 ng/ml



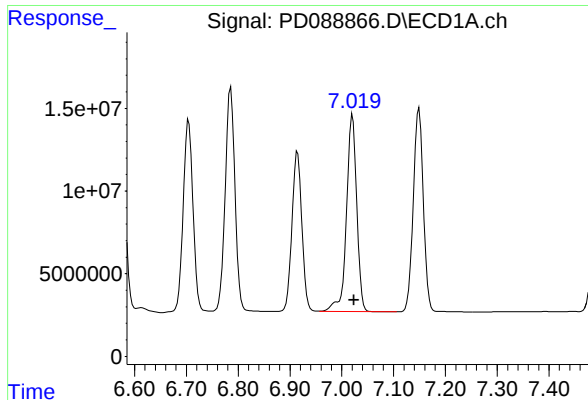
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.003 min
Response: 150946578
Conc: 54.20 ng/ml



#16 4,4'-DDD

R.T.: 5.930 min
Delta R.T.: -0.003 min
Response: 854568107
Conc: 49.13 ng/ml



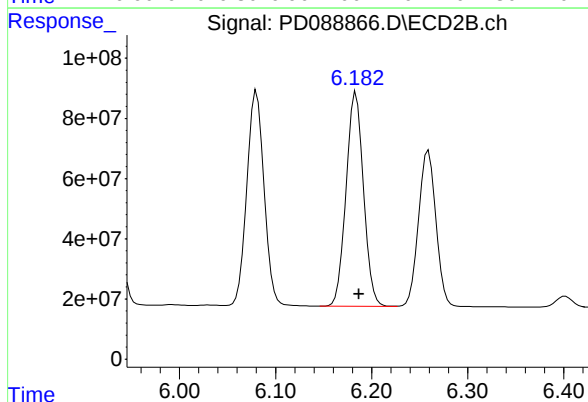
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.003 min
Response: 164002081
Conc: 52.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

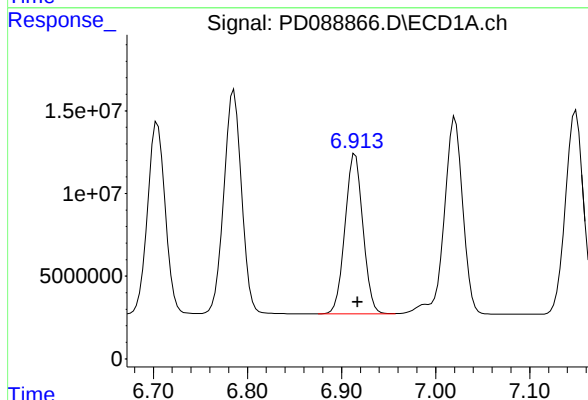
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 06/13/2025



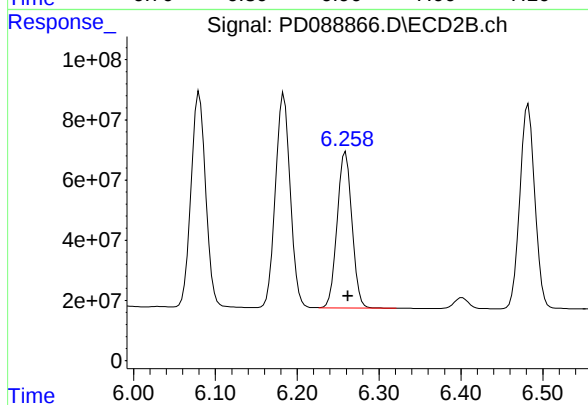
#17 4,4'-DDT

R.T.: 6.184 min
Delta R.T.: -0.003 min
Response: 891203194
Conc: 49.14 ng/ml



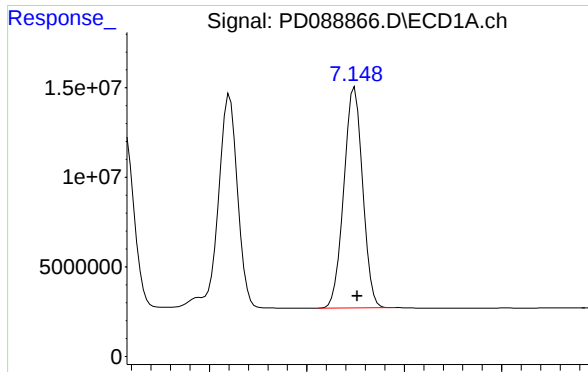
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: -0.003 min
Response: 128109506
Conc: 49.76 ng/ml



#18 Endrin aldehyde

R.T.: 6.259 min
Delta R.T.: -0.003 min
Response: 653796533
Conc: 46.94 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: -0.002 min
Response: 165101879
Conc: 51.54 ng/ml

Instrument :

ECD_D

ClientSampleId :

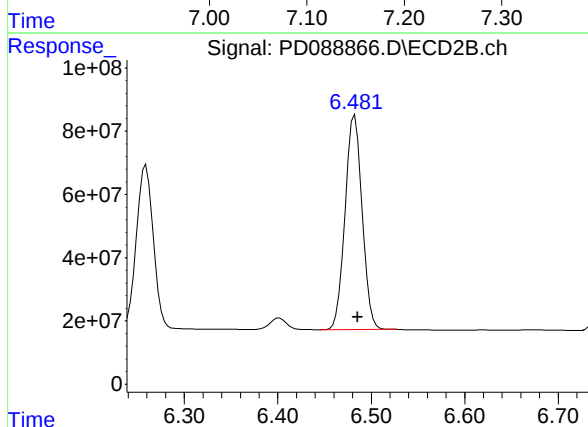
PSTDCCC050

Manual Integrations

APPROVED

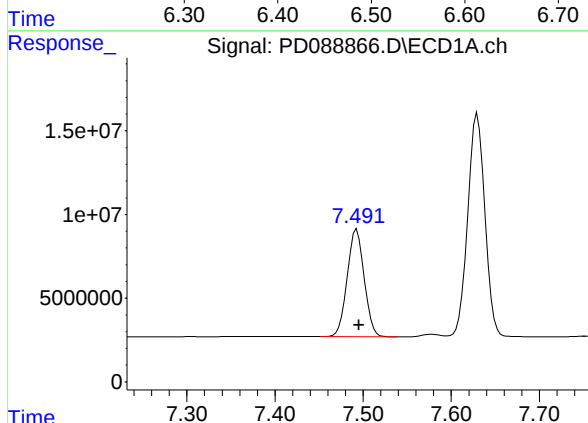
Reviewed By :Abdul Mirza 06/11/2025

Supervised By :mohammad ahmed 06/13/2025



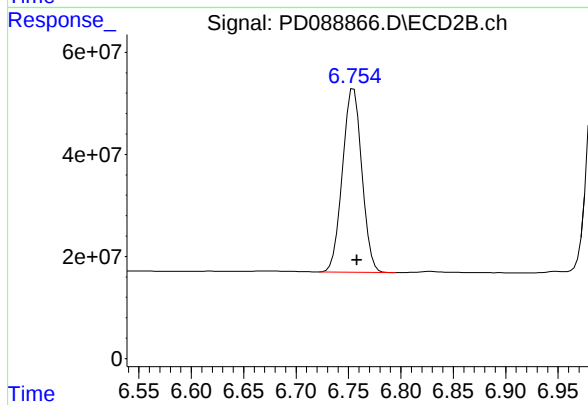
#19 Endosulfan Sulfate

R.T.: 6.482 min
Delta R.T.: -0.003 min
Response: 860783694
Conc: 48.48 ng/ml



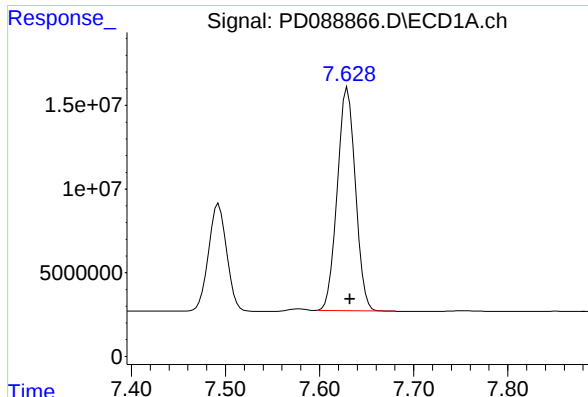
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: -0.003 min
Response: 85933626
Conc: 51.44 ng/ml



#20 Methoxychlor

R.T.: 6.755 min
Delta R.T.: -0.003 min
Response: 464886972
Conc: 48.55 ng/ml



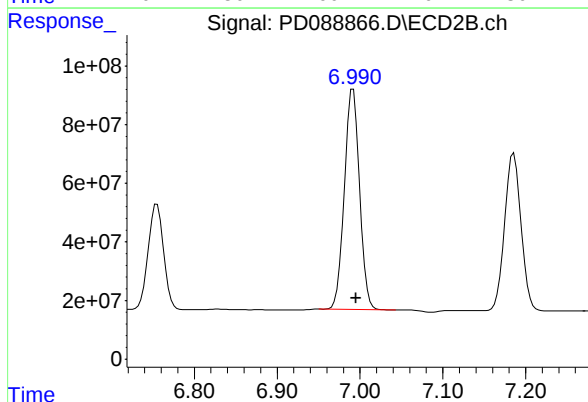
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: -0.003 min
Response: 178626259
Conc: 52.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

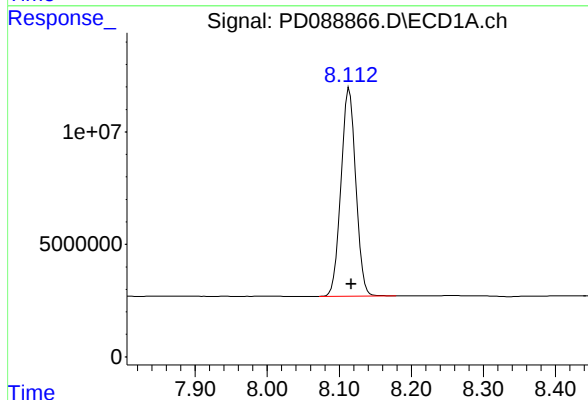
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/13/2025



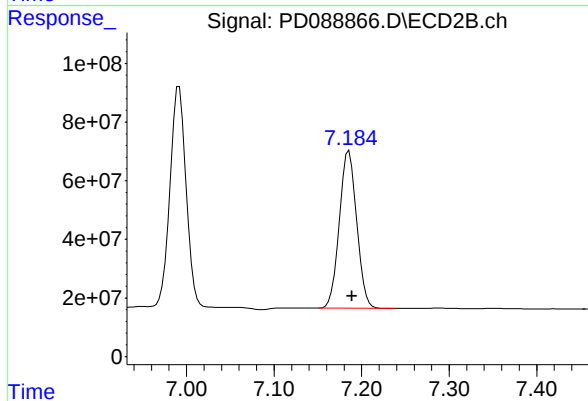
#21 Endrin ketone

R.T.: 6.992 min
Delta R.T.: -0.003 min
Response: 959017208
Conc: 49.57 ng/ml



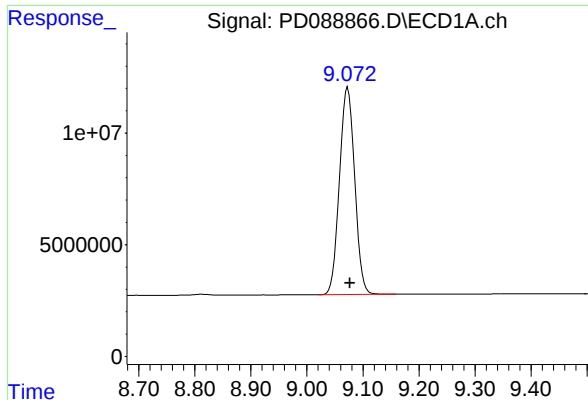
#22 Mirex

R.T.: 8.114 min
Delta R.T.: -0.003 min
Response: 131579483
Conc: 50.64 ng/ml



#22 Mirex

R.T.: 7.186 min
Delta R.T.: -0.003 min
Response: 740806288
Conc: 48.73 ng/ml



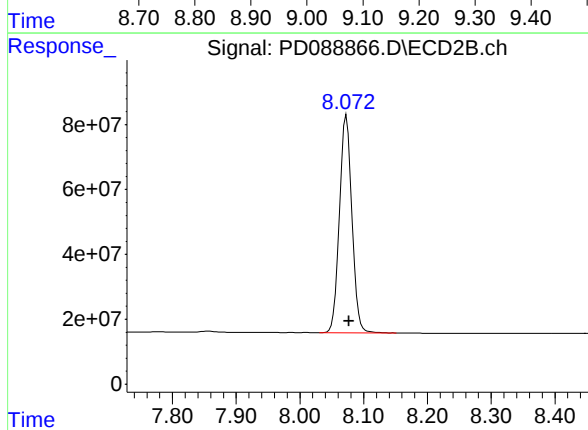
#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.004 min
Response: 175637016
Conc: 51.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/13/2025



#28 Decachlorobiphenyl

R.T.: 8.073 min
Delta R.T.: -0.004 min
Response: 908179106
Conc: 49.75 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

Continuing Calib Date: 06/10/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 18:00 Initial Calibration Time(s): 11:31 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.51	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.77	4.67	4.87	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	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	6.70	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	7.50	7.40	7.60	0.01
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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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

Continuing Calib Date: 06/10/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 18:00 Initial Calibration Time(s): 11:31 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.03	4.03	3.93	4.13	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	4.09	3.99	4.19	0.01
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.88	4.78	4.98	0.01
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.51	5.52	5.42	5.62	0.01
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.49	6.39	6.59	0.01
4,4'-DDT	6.18	6.19	6.09	6.29	0.01
Methoxychlor	6.75	6.76	6.66	6.86	0.01
Endrin ketone	6.99	7.00	6.90	7.10	0.01
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	5.13	5.13	5.03	5.23	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL03 Date Analyzed: 06/10/2025

Lab Sample No.: PSTDCCC050 Data File : PD088880.D Time Analyzed: 18:00

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.704	6.608	6.808	49.980	50.000	0.0
4,4'-DDE	6.195	6.098	6.298	49.410	50.000	-1.2
4,4'-DDT	7.020	6.923	7.123	45.430	50.000	-9.1
Aldrin	5.270	5.173	5.373	51.720	50.000	3.4
alpha-BHC	3.998	3.900	4.100	53.850	50.000	7.7
alpha-Chlordane	6.026	5.930	6.130	49.710	50.000	-0.6
beta-BHC	4.514	4.417	4.617	52.440	50.000	4.9
Decachlorobiphenyl	9.073	8.977	9.177	46.300	50.000	-7.4
delta-BHC	4.763	4.666	4.866	55.780	50.000	11.6
Dieldrin	6.346	6.250	6.450	48.630	50.000	-2.7
Endosulfan I	6.074	5.977	6.177	49.150	50.000	-1.7
Endosulfan II	6.786	6.688	6.888	46.870	50.000	-6.3
Endosulfan sulfate	7.149	7.052	7.252	45.780	50.000	-8.4
Endrin	6.574	6.477	6.677	47.980	50.000	-4.0
Endrin aldehyde	6.915	6.817	7.017	45.860	50.000	-8.3
Endrin ketone	7.630	7.533	7.733	46.760	50.000	-6.5
gamma-BHC (Lindane)	4.329	4.232	4.432	52.770	50.000	5.5
gamma-Chlordane	5.945	5.848	6.048	50.110	50.000	0.2
Heptachlor	4.929	4.832	5.032	49.240	50.000	-1.5
Heptachlor epoxide	5.690	5.593	5.793	49.540	50.000	-0.9
Methoxychlor	7.492	7.395	7.595	42.990	50.000	-14.0
Tetrachloro-m-xylene	3.548	3.451	3.651	57.030	50.000	14.1



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL03 Date Analyzed: 06/10/2025

Lab Sample No.: PSTDCCC050 Data File : PD088880.D Time Analyzed: 18:00

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.930	5.833	6.033	46.600	50.000	-6.8
4,4'-DDE	5.375	5.278	5.478	47.540	50.000	-4.9
4,4'-DDT	6.184	6.087	6.287	43.070	50.000	-13.9
Aldrin	4.368	4.271	4.471	48.740	50.000	-2.5
alpha-BHC	3.392	3.294	3.494	48.950	50.000	-2.1
alpha-Chlordane	5.190	5.094	5.294	47.080	50.000	-5.8
beta-BHC	4.025	3.927	4.127	48.140	50.000	-3.7
Decachlorobiphenyl	8.073	7.977	8.177	40.190	50.000	-19.6
delta-BHC	4.261	4.164	4.364	48.680	50.000	-2.6
Dieldrin	5.512	5.416	5.616	46.460	50.000	-7.1
Endosulfan I	5.246	5.150	5.350	46.340	50.000	-7.3
Endosulfan II	6.081	5.984	6.184	45.520	50.000	-9.0
Endosulfan sulfate	6.482	6.386	6.586	44.550	50.000	-10.9
Endrin	5.789	5.692	5.892	45.580	50.000	-8.8
Endrin aldehyde	6.259	6.162	6.362	43.220	50.000	-13.6
Endrin ketone	6.992	6.895	7.095	43.470	50.000	-13.1
gamma-BHC (Lindane)	3.729	3.631	3.831	48.830	50.000	-2.3
gamma-Chlordane	5.125	5.029	5.229	47.520	50.000	-5.0
Heptachlor	4.082	3.985	4.185	45.280	50.000	-9.4
Heptachlor epoxide	4.872	4.775	4.975	47.490	50.000	-5.0
Methoxychlor	6.754	6.658	6.858	41.280	50.000	-17.4
Tetrachloro-m-xylene	2.880	2.782	2.982	48.860	50.000	-2.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
 Data File : PD088880.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Jun 2025 18:00
 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: Jun 11 07:57:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.880	123.4E6	739.1E6	57.033	48.859
28)	SA Decachlor...	9.073	8.073	158.4E6	733.6E6	46.297	40.185
Target Compounds							
2)	A alpha-BHC	3.998	3.392	257.2E6	1170.0E6	53.846	48.945
3)	MA gamma-BHC...	4.329	3.729	242.9E6	1082.4E6	52.767	48.833
4)	MA Heptachlor	4.929	4.082	220.2E6	1016.7E6	49.242	45.277
5)	MB Aldrin	5.270	4.368	227.3E6	1068.8E6	51.717	48.738
6)	B beta-BHC	4.514	4.025	94564611	468.9E6	52.444	48.136
7)	B delta-BHC	4.763	4.261	235.7E6	1085.4E6	55.781	48.685
8)	B Heptachlo...	5.690	4.872	196.6E6	943.6E6	49.540	47.488
9)	A Endosulfan I	6.074	5.246	184.9E6	879.5E6	49.149	46.340
10)	B gamma-Chl...	5.945	5.125	199.9E6	1013.6E6	50.110	47.517
11)	B alpha-Chl...	6.026	5.190	199.2E6	971.0E6	49.713	47.080
12)	B 4,4'-DDE	6.195	5.375	177.3E6	993.6E6	49.409	47.537
13)	MA Dieldrin	6.346	5.512	195.1E6	977.8E6	48.631	46.463
14)	MA Endrin	6.574	5.789	163.9E6	879.0E6	47.983	45.584
15)	B Endosulfa...	6.786	6.081	161.4E6	834.0E6	46.870	45.520
16)	A 4,4'-DDD	6.704	5.930	139.2E6	810.5E6	49.981	46.600
17)	MA 4,4'-DDT	7.020	6.184	141.8E6	781.2E6	45.428	43.073
18)	B Endrin al...	6.915	6.259	118.1E6	602.0E6	45.859	43.222
19)	B Endosulfa...	7.149	6.482	146.7E6	790.9E6	45.785	44.545
20)	A Methoxychlor	7.492	6.754	71809649	395.2E6	42.986	41.277
21)	B Endrin ke...	7.630	6.992	160.1E6	841.0E6	46.756	43.471
22)	Mirex	8.114	7.185	113.8E6	629.7E6	43.800	41.420

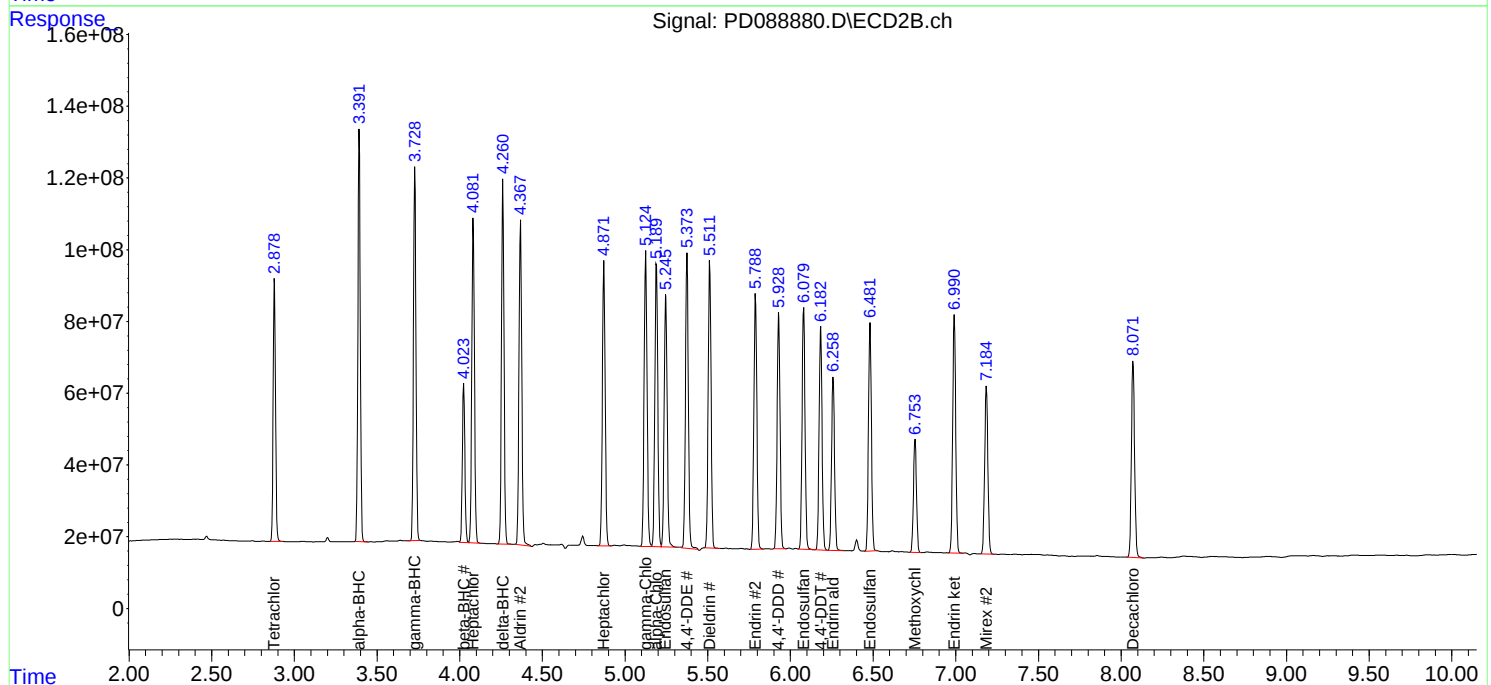
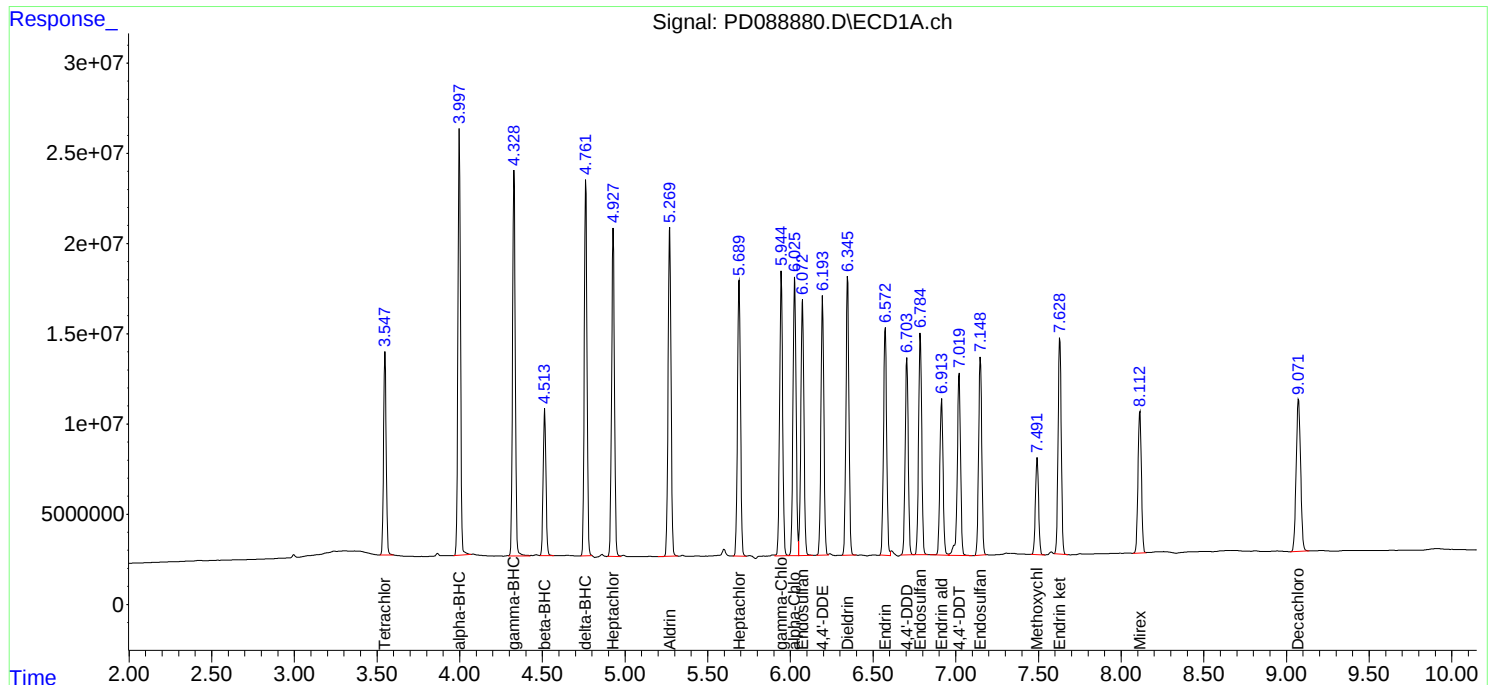
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

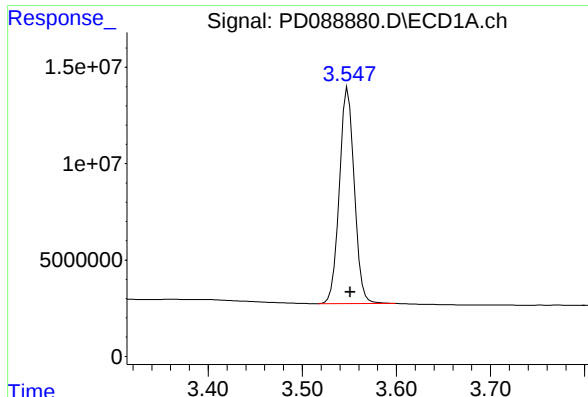
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
Data File : PD088880.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 18:00
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 07:57:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

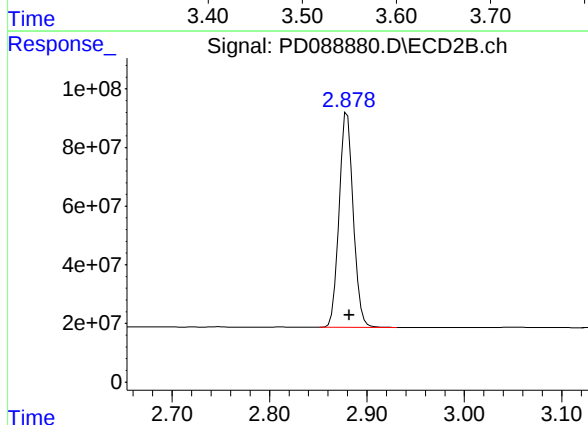




#1 Tetrachloro-m-xylene

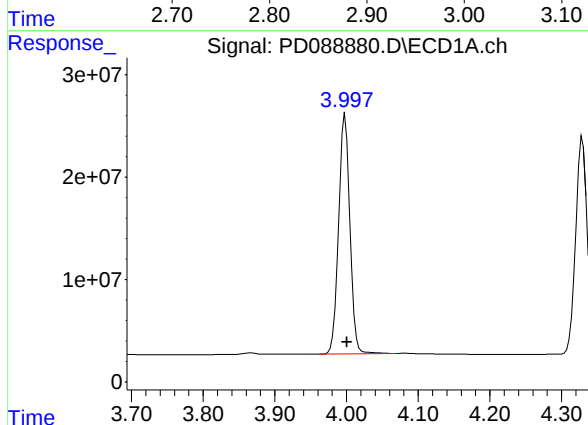
R.T.: 3.548 min
Delta R.T.: -0.003 min
Response: 123404573
Conc: 57.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



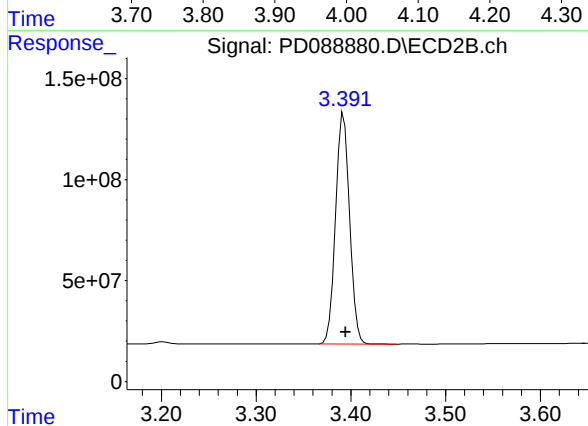
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.002 min
Response: 739076922
Conc: 48.86 ng/ml



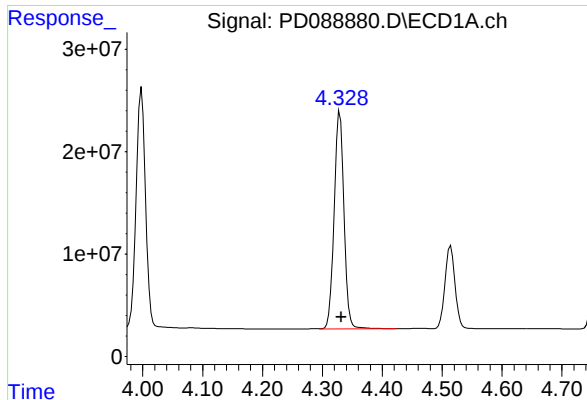
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.002 min
Response: 257200097
Conc: 53.85 ng/ml



#2 alpha-BHC

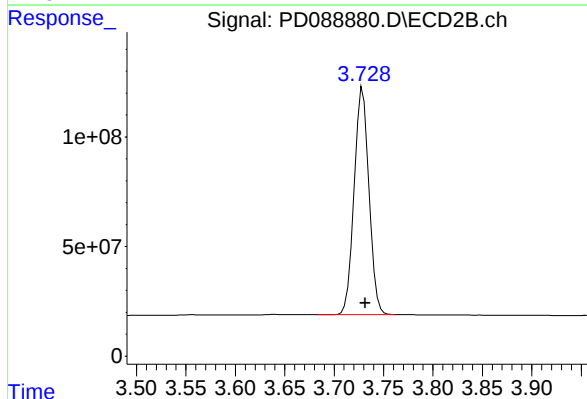
R.T.: 3.392 min
Delta R.T.: -0.002 min
Response: 1169969854
Conc: 48.95 ng/ml



#3 gamma-BHC (Lindane)

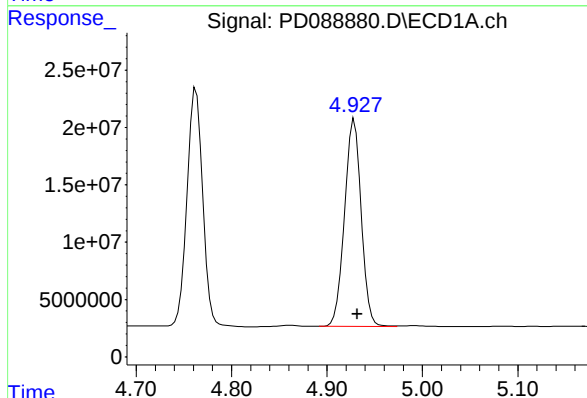
R.T.: 4.329 min
Delta R.T.: -0.002 min
Response: 242872147
Conc: 52.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



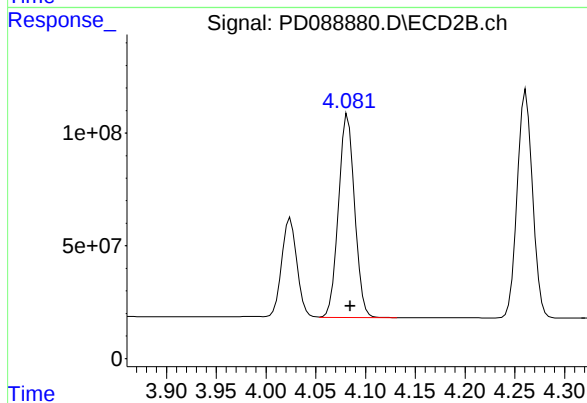
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: -0.002 min
Response: 1082421373
Conc: 48.83 ng/ml



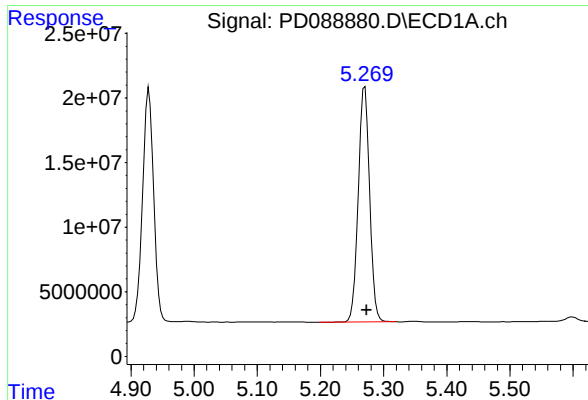
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: -0.003 min
Response: 220170587
Conc: 49.24 ng/ml



#4 Heptachlor

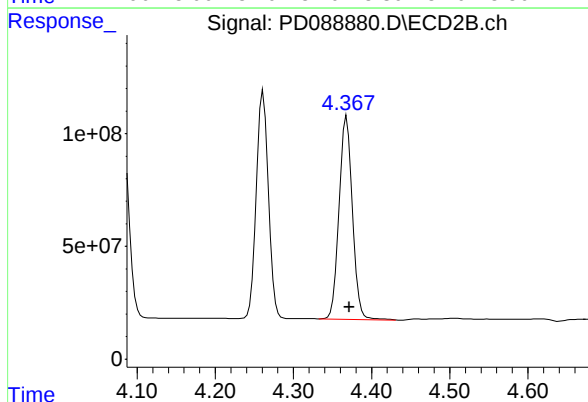
R.T.: 4.082 min
Delta R.T.: -0.003 min
Response: 1016682620
Conc: 45.28 ng/ml



#5 Aldrin

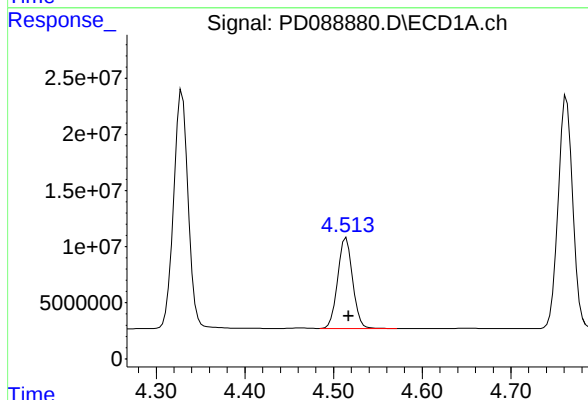
R.T.: 5.270 min
Delta R.T.: -0.003 min
Response: 227269140
Conc: 51.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



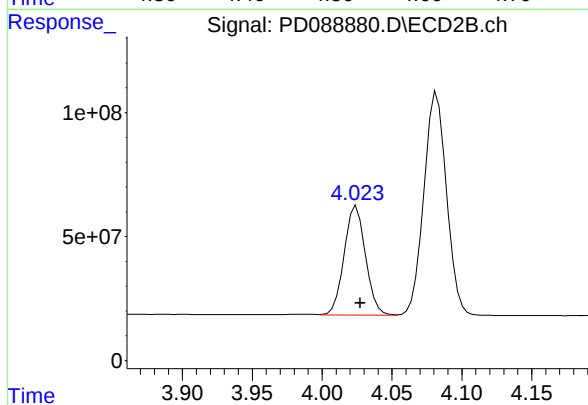
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: -0.003 min
Response: 1068817558
Conc: 48.74 ng/ml



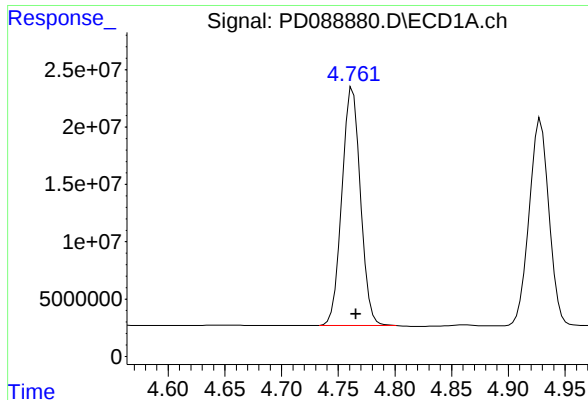
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.002 min
Response: 94564611
Conc: 52.44 ng/ml



#6 beta-BHC

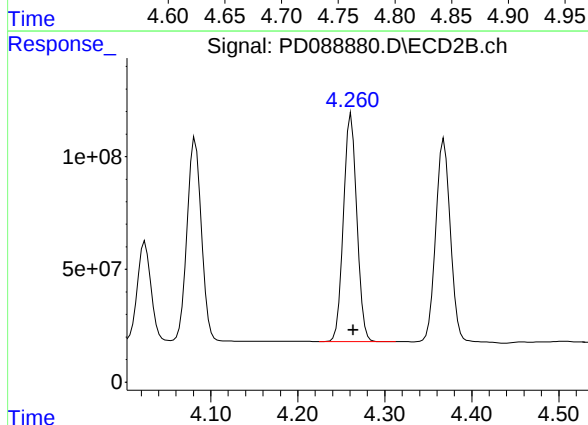
R.T.: 4.025 min
Delta R.T.: -0.003 min
Response: 468938371
Conc: 48.14 ng/ml



#7 delta-BHC

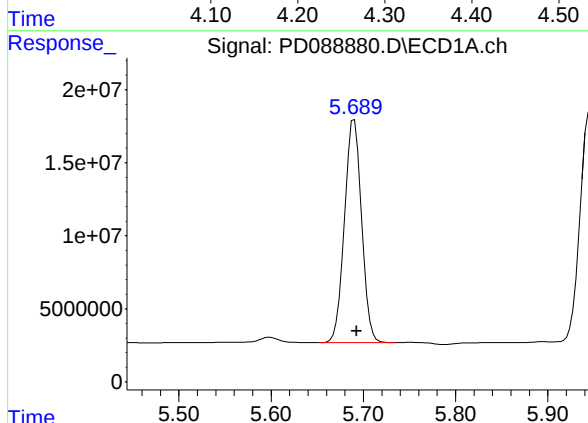
R.T.: 4.763 min
Delta R.T.: -0.003 min
Response: 235736526
Conc: 55.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



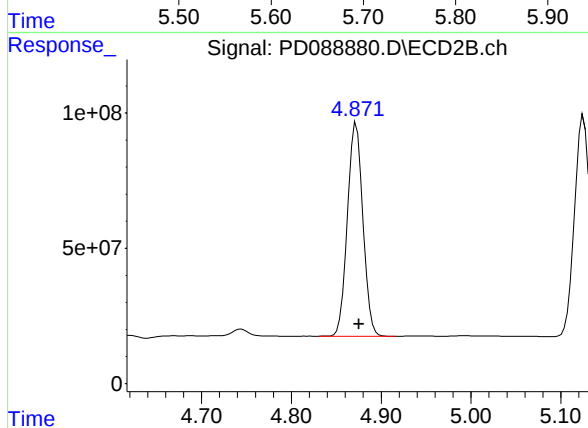
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.002 min
Response: 1085387494
Conc: 48.68 ng/ml



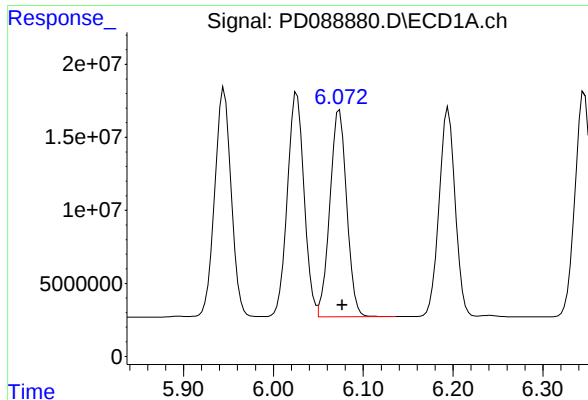
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: -0.003 min
Response: 196640316
Conc: 49.54 ng/ml



#8 Heptachlor epoxide

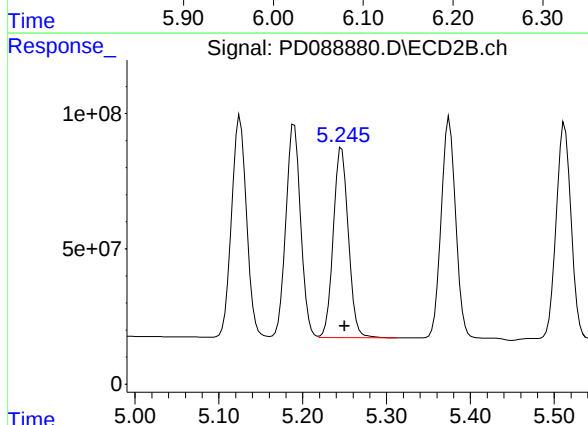
R.T.: 4.872 min
Delta R.T.: -0.003 min
Response: 943648613
Conc: 47.49 ng/ml



#9 Endosulfan I

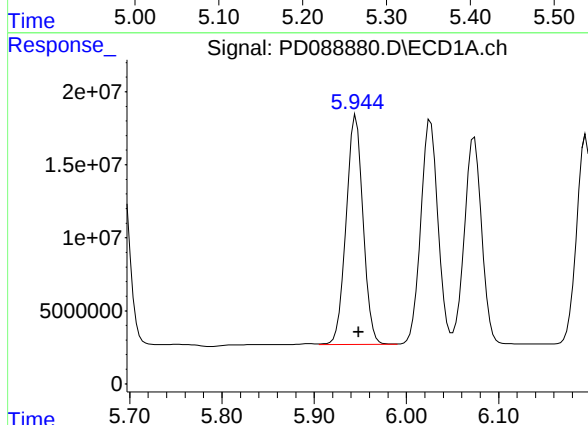
R.T.: 6.074 min
Delta R.T.: -0.003 min
Response: 184942056
Conc: 49.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



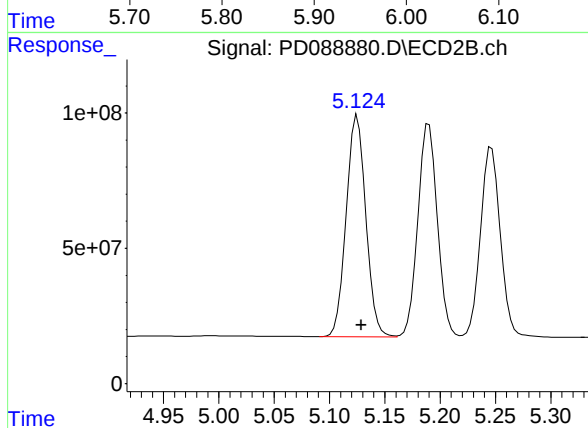
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: -0.003 min
Response: 879456845
Conc: 46.34 ng/ml



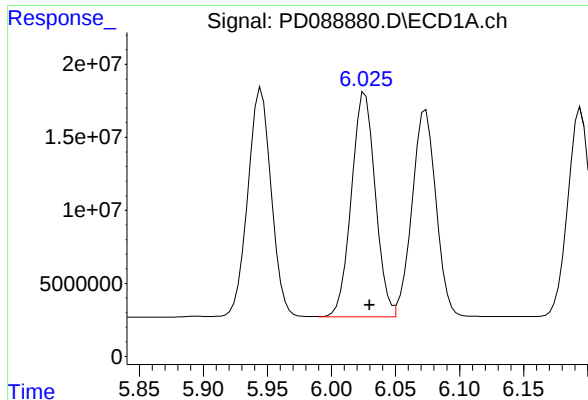
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: -0.003 min
Response: 199887582
Conc: 50.11 ng/ml



#10 gamma-Chlordane

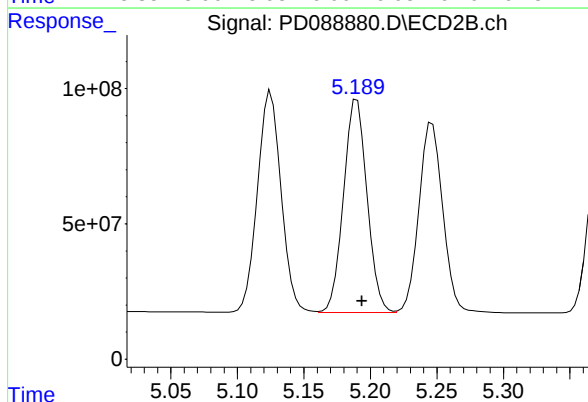
R.T.: 5.125 min
Delta R.T.: -0.004 min
Response: 1013626912
Conc: 47.52 ng/ml



#11 alpha-Chlordane

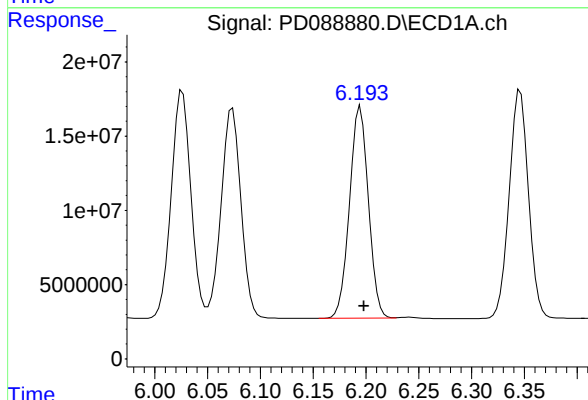
R.T.: 6.026 min
Delta R.T.: -0.004 min
Response: 199164232
Conc: 49.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



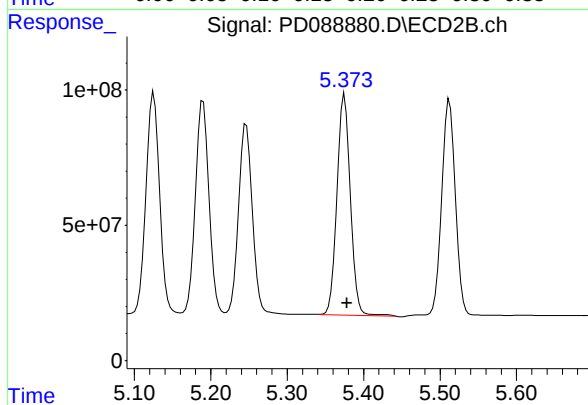
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: -0.004 min
Response: 971020410
Conc: 47.08 ng/ml



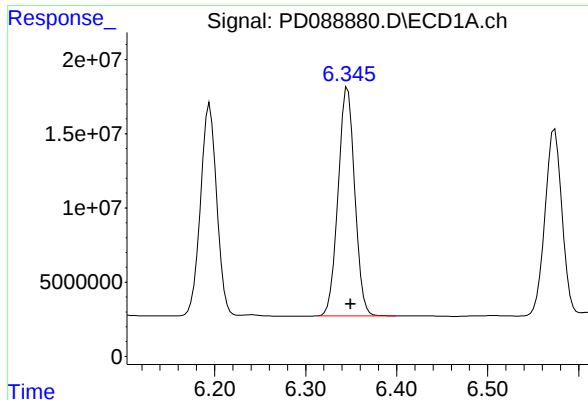
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: -0.003 min
Response: 177346652
Conc: 49.41 ng/ml



#12 4,4'-DDE

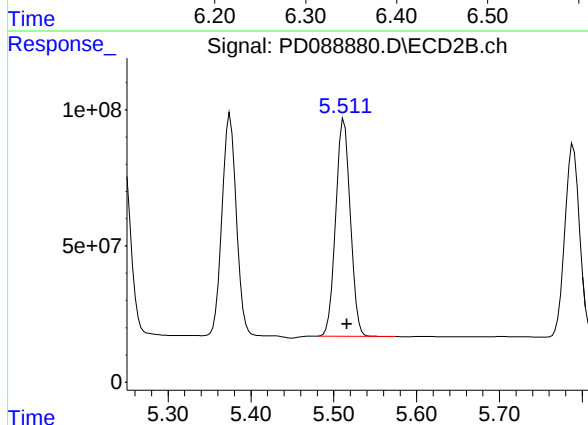
R.T.: 5.375 min
Delta R.T.: -0.003 min
Response: 993641522
Conc: 47.54 ng/ml



#13 Dieldrin

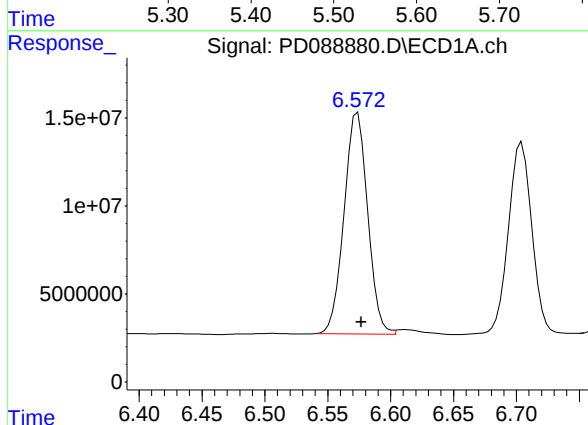
R.T.: 6.346 min
Delta R.T.: -0.003 min
Response: 195094277
Conc: 48.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



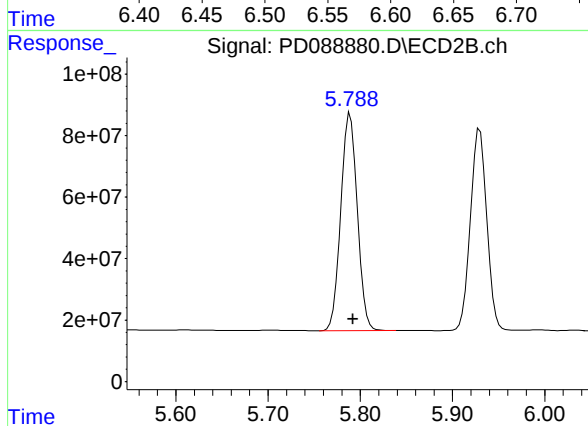
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: -0.003 min
Response: 977769177
Conc: 46.46 ng/ml



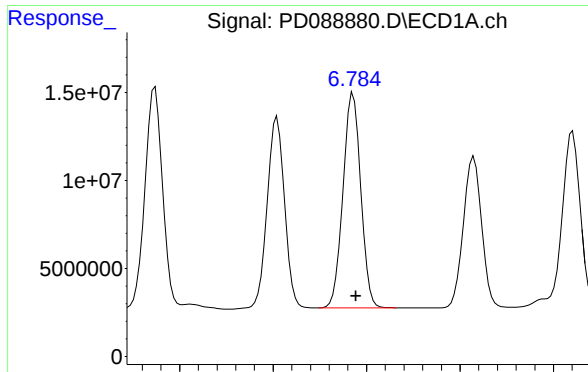
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.003 min
Response: 163871877
Conc: 47.98 ng/ml



#14 Endrin

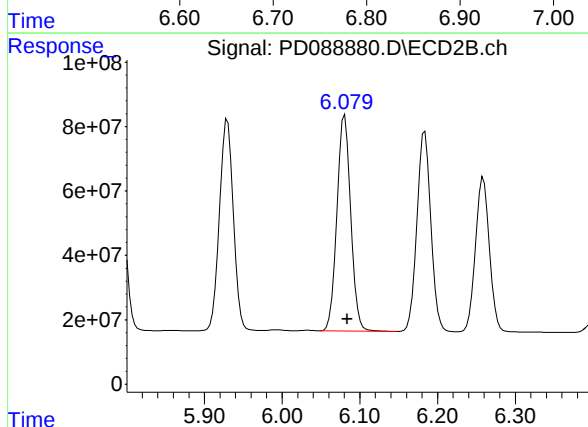
R.T.: 5.789 min
Delta R.T.: -0.003 min
Response: 879047386
Conc: 45.58 ng/ml



#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: -0.003 min
Response: 161402573
Conc: 46.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#15 Endosulfan II

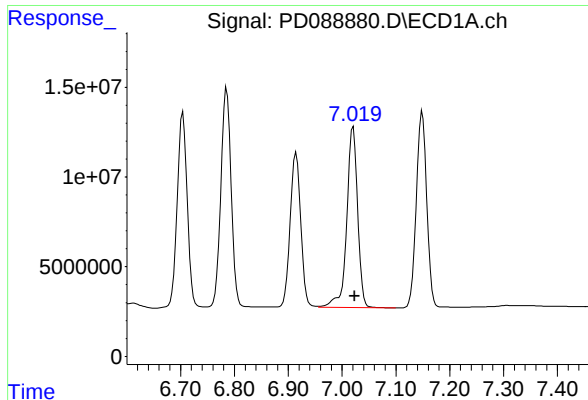
R.T.: 6.081 min
Delta R.T.: -0.003 min
Response: 834003347
Conc: 45.52 ng/ml

#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.003 min
Response: 139203317
Conc: 49.98 ng/ml

#16 4,4'-DDD

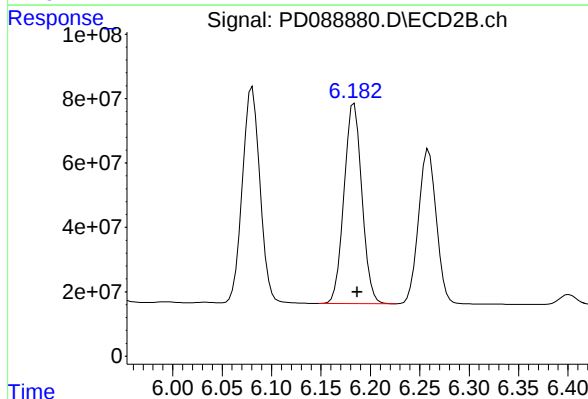
R.T.: 5.930 min
Delta R.T.: -0.003 min
Response: 810485629
Conc: 46.60 ng/ml



#17 4,4'-DDT

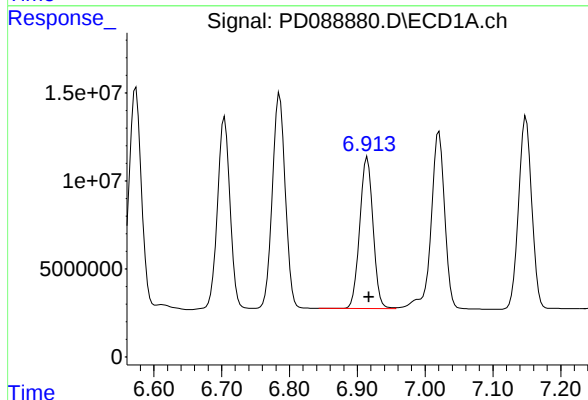
R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 141826899
Conc: 45.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



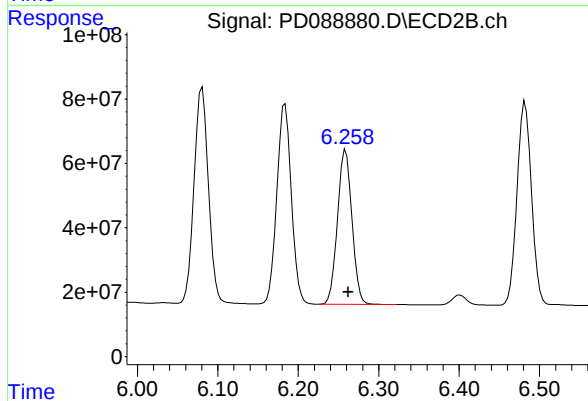
#17 4,4'-DDT

R.T.: 6.184 min
Delta R.T.: -0.003 min
Response: 781221405
Conc: 43.07 ng/ml



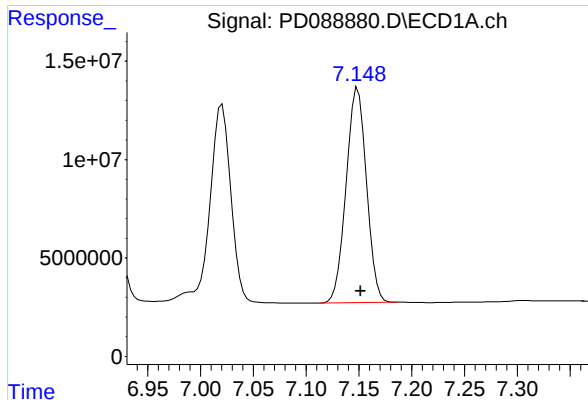
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: -0.003 min
Response: 118067821
Conc: 45.86 ng/ml



#18 Endrin aldehyde

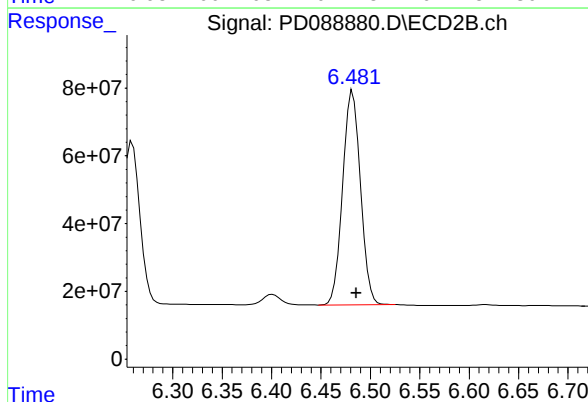
R.T.: 6.259 min
Delta R.T.: -0.003 min
Response: 602027213
Conc: 43.22 ng/ml



#19 Endosulfan Sulfate

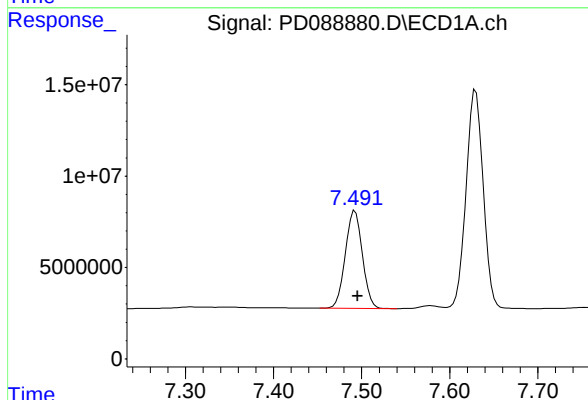
R.T.: 7.149 min
Delta R.T.: -0.003 min
Response: 146651997
Conc: 45.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



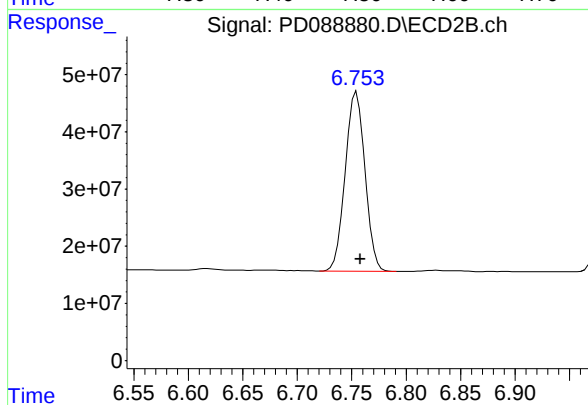
#19 Endosulfan Sulfate

R.T.: 6.482 min
Delta R.T.: -0.004 min
Response: 790939451
Conc: 44.55 ng/ml



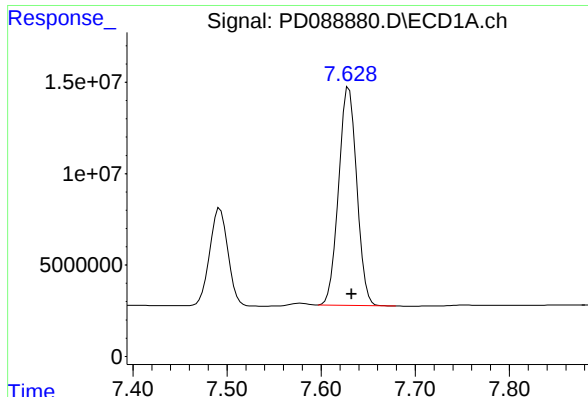
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.003 min
Response: 71809649
Conc: 42.99 ng/ml



#20 Methoxychlor

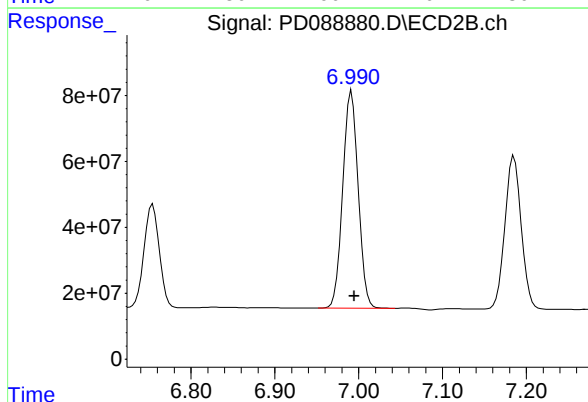
R.T.: 6.754 min
Delta R.T.: -0.004 min
Response: 395221992
Conc: 41.28 ng/ml



#21 Endrin ketone

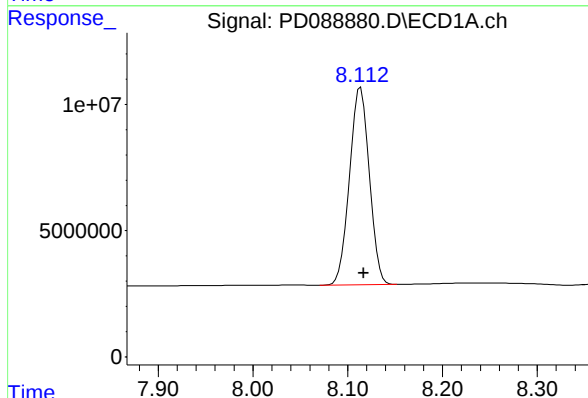
R.T.: 7.630 min
Delta R.T.: -0.003 min
Response: 160052840
Conc: 46.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



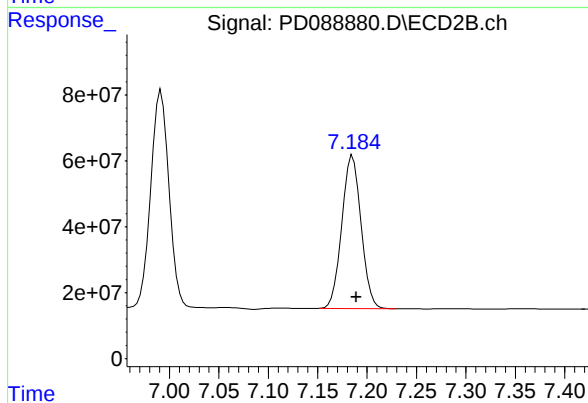
#21 Endrin ketone

R.T.: 6.992 min
Delta R.T.: -0.003 min
Response: 841041919
Conc: 43.47 ng/ml



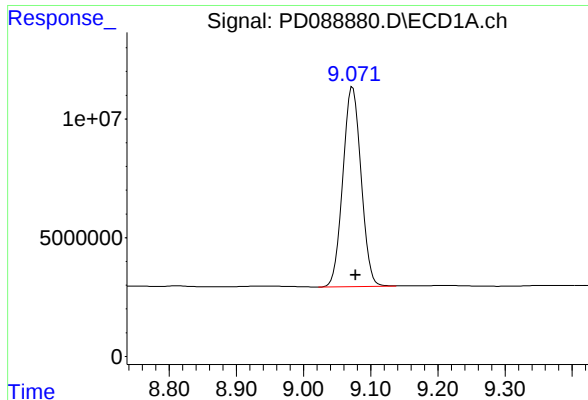
#22 Mirex

R.T.: 8.114 min
Delta R.T.: -0.003 min
Response: 113805342
Conc: 43.80 ng/ml



#22 Mirex

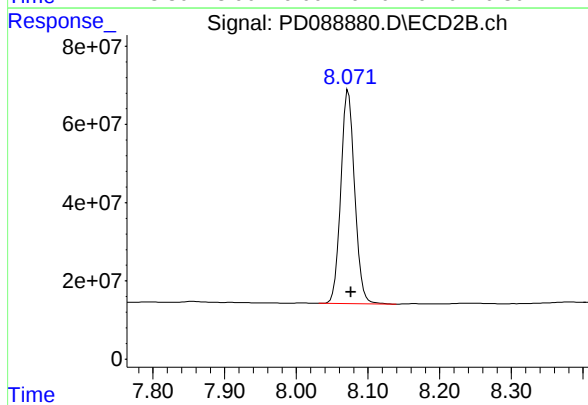
R.T.: 7.185 min
Delta R.T.: -0.004 min
Response: 629676525
Conc: 41.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.005 min
Response: 158443998
Conc: 46.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.073 min
Delta R.T.: -0.004 min
Response: 733630617
Conc: 40.19 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

Continuing Calib Date: 06/10/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 20:44 Initial Calibration Time(s): 11:31 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.51	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.77	4.67	4.87	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	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	7.50	7.40	7.60	0.01
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



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

Continuing Calib Date: 06/10/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 20:44 Initial Calibration Time(s): 11:31 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.03	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	4.09	3.99	4.19	0.01
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.88	4.78	4.98	0.01
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.51	5.52	5.42	5.62	0.01
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	6.49	6.39	6.59	0.01
4,4'-DDT	6.18	6.19	6.09	6.29	0.01
Methoxychlor	6.75	6.76	6.66	6.86	0.01
Endrin ketone	6.99	7.00	6.90	7.10	0.01
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	5.13	5.13	5.03	5.23	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL04 Date Analyzed: 06/10/2025

Lab Sample No.: PSTDCCC050 Data File : PD088891.D Time Analyzed: 20:44

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.703	6.608	6.808	53.360	50.000	6.7
4,4'-DDE	6.194	6.098	6.298	52.400	50.000	4.8
4,4'-DDT	7.019	6.923	7.123	47.540	50.000	-4.9
Aldrin	5.270	5.173	5.373	53.100	50.000	6.2
alpha-BHC	3.997	3.900	4.100	53.930	50.000	7.9
alpha-Chlordane	6.026	5.930	6.130	52.340	50.000	4.7
beta-BHC	4.514	4.417	4.617	53.120	50.000	6.2
Decachlorobiphenyl	9.071	8.977	9.177	48.140	50.000	-3.7
delta-BHC	4.762	4.666	4.866	56.430	50.000	12.9
Dieldrin	6.346	6.250	6.450	51.370	50.000	2.7
Endosulfan I	6.073	5.977	6.177	51.780	50.000	3.6
Endosulfan II	6.785	6.688	6.888	50.150	50.000	0.3
Endosulfan sulfate	7.147	7.052	7.252	49.800	50.000	-0.4
Endrin	6.573	6.477	6.677	50.110	50.000	0.2
Endrin aldehyde	6.913	6.817	7.017	48.770	50.000	-2.5
Endrin ketone	7.628	7.533	7.733	49.660	50.000	-0.7
gamma-BHC (Lindane)	4.328	4.232	4.432	53.150	50.000	6.3
gamma-Chlordane	5.945	5.848	6.048	52.780	50.000	5.6
Heptachlor	4.928	4.832	5.032	50.310	50.000	0.6
Heptachlor epoxide	5.689	5.593	5.793	51.930	50.000	3.9
Methoxychlor	7.491	7.395	7.595	45.210	50.000	-9.6
Tetrachloro-m-xylene	3.548	3.451	3.651	56.950	50.000	13.9



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL04 Date Analyzed: 06/10/2025

Lab Sample No.: PSTDCCC050 Data File : PD088891.D Time Analyzed: 20:44

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.929	5.833	6.033	48.930	50.000	-2.1
4,4'-DDE	5.374	5.278	5.478	49.150	50.000	-1.7
4,4'-DDT	6.183	6.087	6.287	45.320	50.000	-9.4
Aldrin	4.368	4.271	4.471	49.190	50.000	-1.6
alpha-BHC	3.392	3.294	3.494	48.840	50.000	-2.3
alpha-Chlordane	5.189	5.094	5.294	48.120	50.000	-3.8
beta-BHC	4.024	3.927	4.127	48.250	50.000	-3.5
Decachlorobiphenyl	8.071	7.977	8.177	44.370	50.000	-11.3
delta-BHC	4.261	4.164	4.364	49.100	50.000	-1.8
Dieldrin	5.512	5.416	5.616	48.160	50.000	-3.7
Endosulfan I	5.246	5.150	5.350	46.870	50.000	-6.3
Endosulfan II	6.080	5.984	6.184	47.910	50.000	-4.2
Endosulfan sulfate	6.481	6.386	6.586	47.180	50.000	-5.6
Endrin	5.789	5.692	5.892	47.390	50.000	-5.2
Endrin aldehyde	6.258	6.162	6.362	46.110	50.000	-7.8
Endrin ketone	6.990	6.895	7.095	47.600	50.000	-4.8
gamma-BHC (Lindane)	3.728	3.631	3.831	48.800	50.000	-2.4
gamma-Chlordane	5.125	5.029	5.229	48.510	50.000	-3.0
Heptachlor	4.082	3.985	4.185	45.980	50.000	-8.0
Heptachlor epoxide	4.872	4.775	4.975	48.230	50.000	-3.5
Methoxychlor	6.753	6.658	6.858	43.930	50.000	-12.1
Tetrachloro-m-xylene	2.879	2.782	2.982	48.720	50.000	-2.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
 Data File : PD088891.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Jun 2025 20:44
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 11 07:44:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.548	2.879	123.2E6	737.0E6	56.951	48.718
28) SA Decachlor...	9.071	8.071	164.8E6	810.1E6	48.142	44.375
Target Compounds						
2) A alpha-BHC	3.997	3.392	257.6E6	1167.5E6	53.932	48.844
3) MA gamma-BHC...	4.328	3.728	244.6E6	1081.7E6	53.150	48.801
4) MA Heptachlor	4.928	4.082	224.9E6	1032.5E6	50.310	45.982
5) MB Aldrin	5.270	4.368	233.3E6	1078.7E6	53.096	49.187
6) B beta-BHC	4.514	4.024	95786854	470.1E6	53.122	48.251
7) B delta-BHC	4.762	4.261	238.5E6	1094.6E6	56.434	49.099
8) B Heptachlo...	5.689	4.872	206.1E6	958.3E6	51.932	48.227
9) A Endosulfan I	6.073	5.246	194.9E6	889.4E6	51.784	46.866
10) B gamma-Chl...	5.945	5.125	210.5E6	1034.9E6	52.779	48.513
11) B alpha-Chl...	6.026	5.189	209.7E6	992.5E6	52.337	48.121
12) B 4,4'-DDE	6.194	5.374	188.1E6	1027.3E6	52.400	49.147
13) MA Dieldrin	6.346	5.512	206.1E6	1013.5E6	51.365	48.159
14) MA Endrin	6.573	5.789	171.1E6	913.9E6	50.110	47.392
15) B Endosulfa...	6.785	6.080	172.7E6	877.9E6	50.145	47.913
16) A 4,4'-DDD	6.703	5.929	148.6E6	851.0E6	53.357	48.932
17) MA 4,4'-DDT	7.019	6.183	148.4E6	822.0E6	47.541	45.321
18) B Endrin al...	6.913	6.258	125.6E6	642.3E6	48.775	46.115
19) B Endosulfa...	7.147	6.481	159.5E6	837.6E6	49.801	47.175
20) A Methoxychlor	7.491	6.753	75525844	420.6E6	45.210	43.929
21) B Endrin ke...	7.628	6.990	170.0E6	920.9E6	49.659	47.599
22) Mirex	8.112	7.184	124.8E6	689.9E6	48.027	45.381

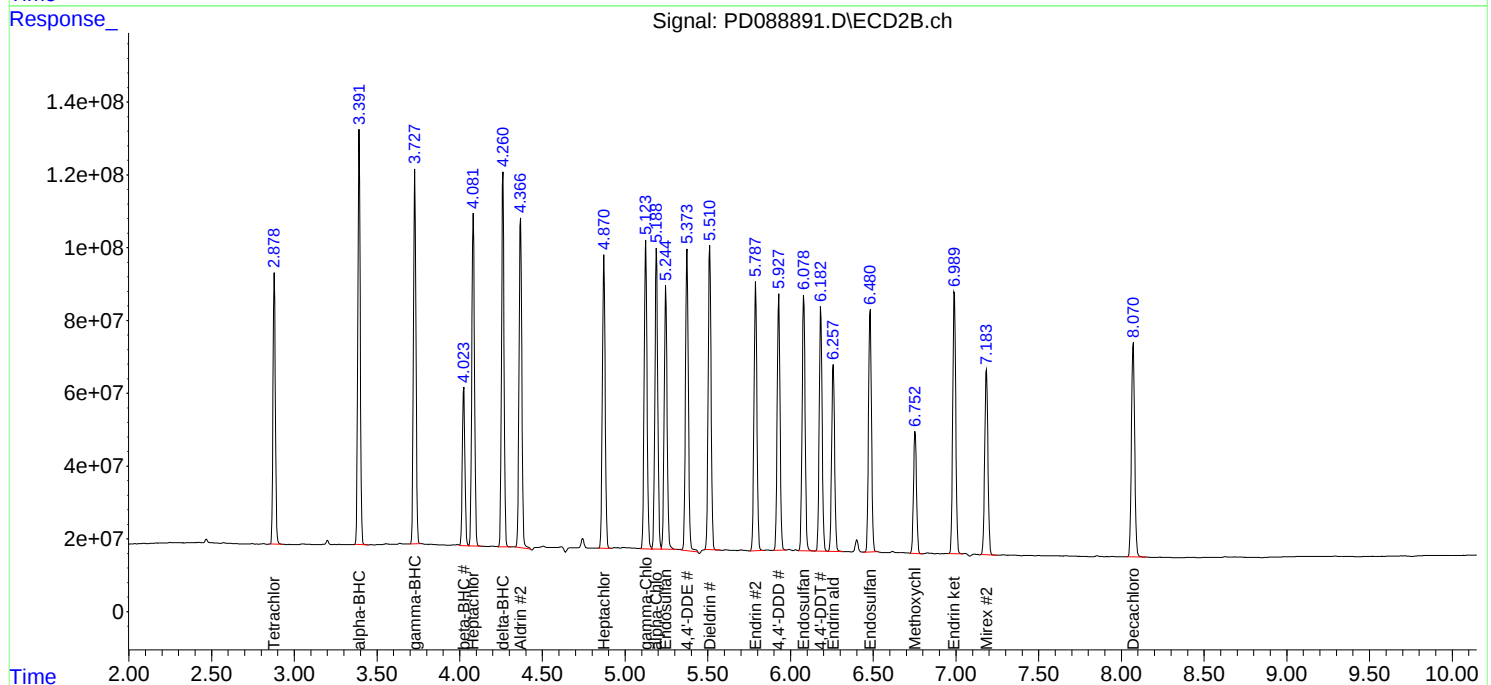
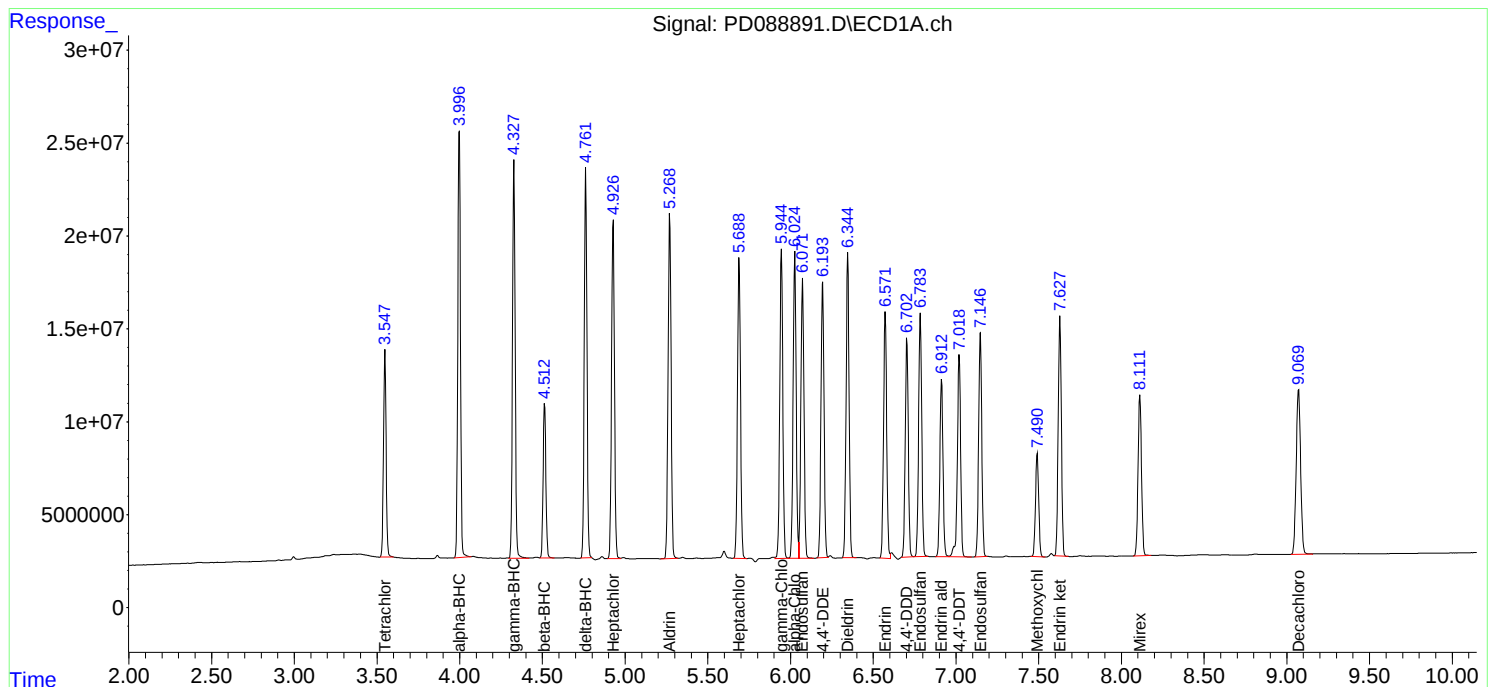
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

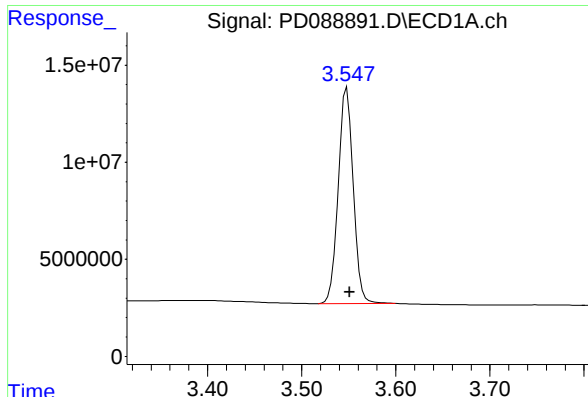
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
Data File : PD088891.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 20:44
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 07:44:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

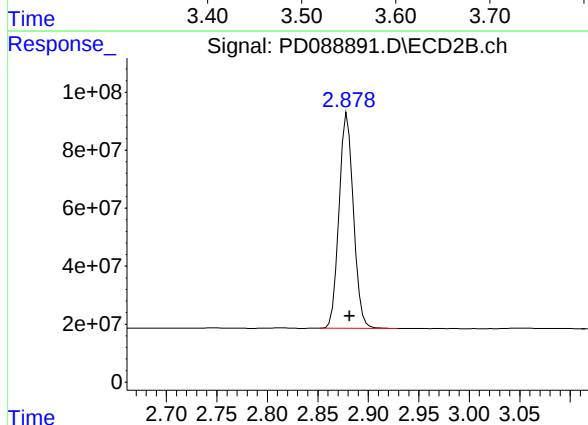




#1 Tetrachloro-m-xylene

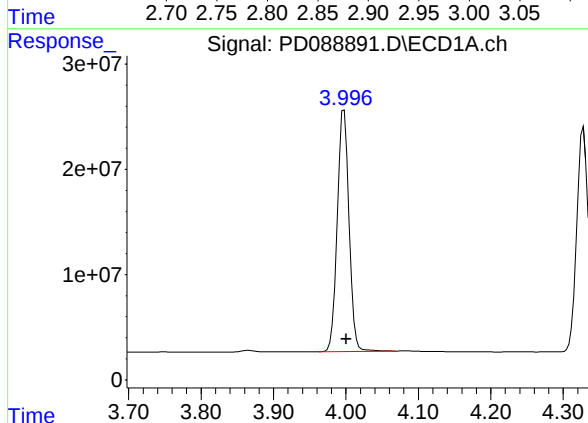
R.T.: 3.548 min
Delta R.T.: -0.003 min
Response: 123226741
Conc: 56.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



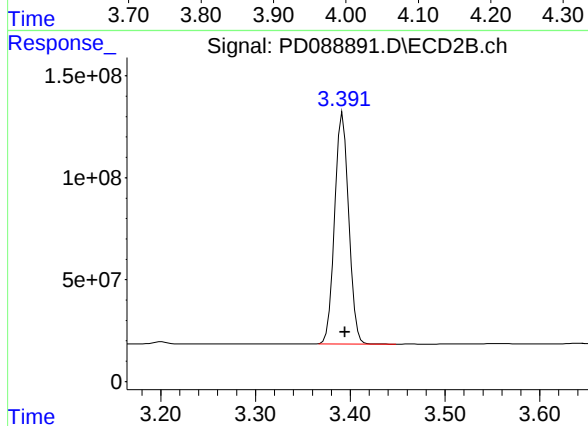
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 736951761
Conc: 48.72 ng/ml



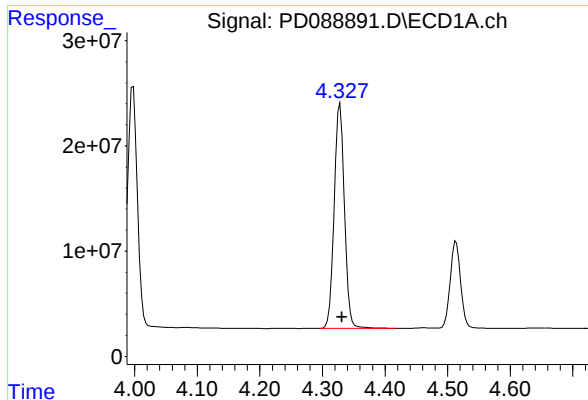
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: -0.003 min
Response: 257608539
Conc: 53.93 ng/ml



#2 alpha-BHC

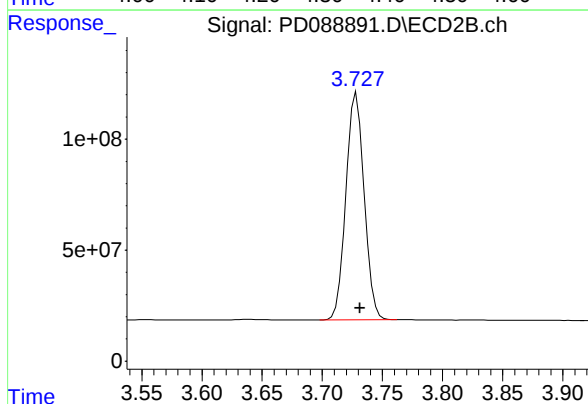
R.T.: 3.392 min
Delta R.T.: -0.002 min
Response: 1167543711
Conc: 48.84 ng/ml



#3 gamma-BHC (Lindane)

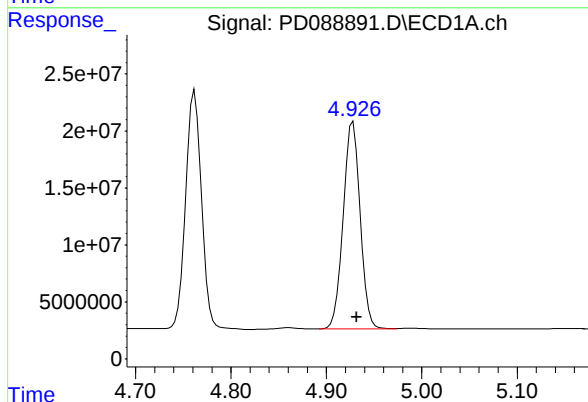
R.T.: 4.328 min
Delta R.T.: -0.004 min
Response: 244634192
Conc: 53.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



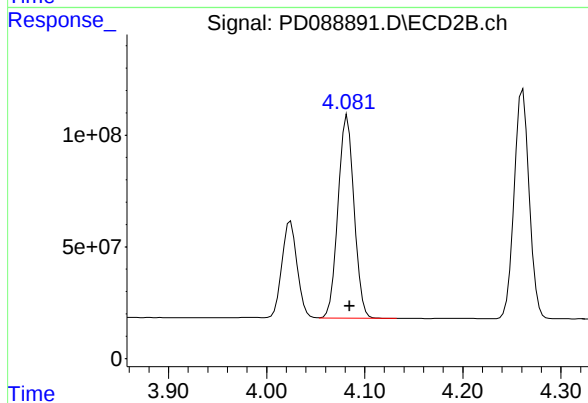
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.003 min
Response: 1081706940
Conc: 48.80 ng/ml



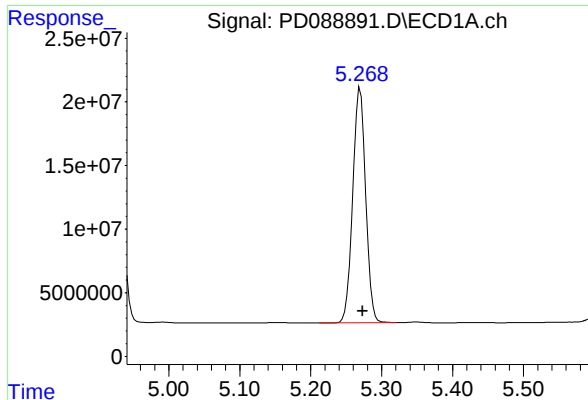
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: -0.004 min
Response: 224946100
Conc: 50.31 ng/ml



#4 Heptachlor

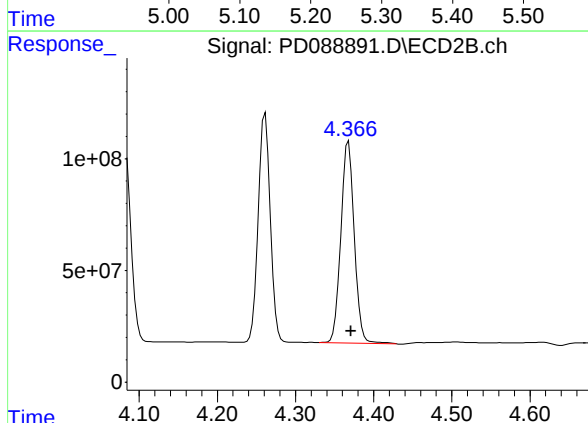
R.T.: 4.082 min
Delta R.T.: -0.003 min
Response: 1032511070
Conc: 45.98 ng/ml



#5 Aldrin

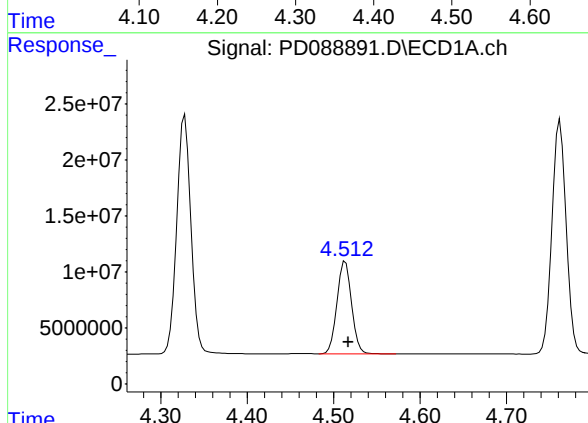
R.T.: 5.270 min
Delta R.T.: -0.003 min
Response: 233330213
Conc: 53.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



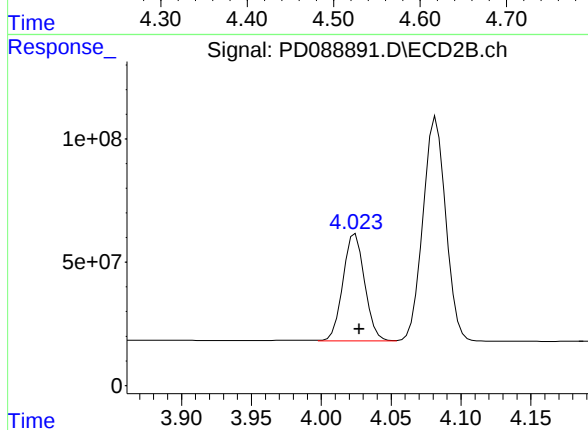
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: -0.003 min
Response: 1078664732
Conc: 49.19 ng/ml



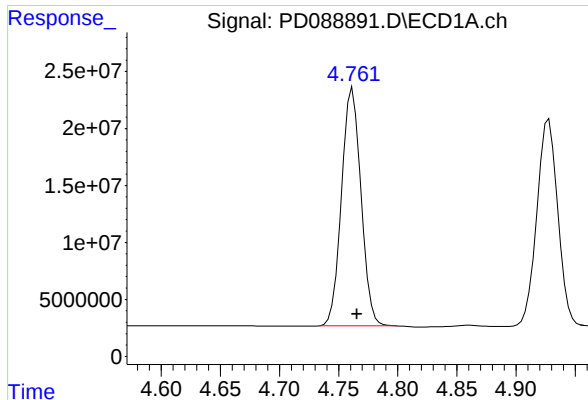
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.003 min
Response: 95786854
Conc: 53.12 ng/ml



#6 beta-BHC

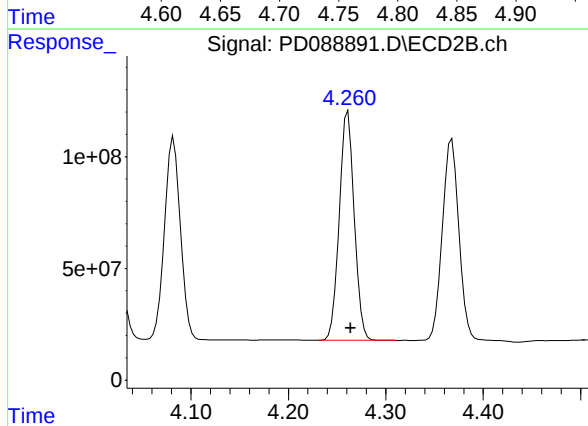
R.T.: 4.024 min
Delta R.T.: -0.003 min
Response: 470056290
Conc: 48.25 ng/ml



#7 delta-BHC

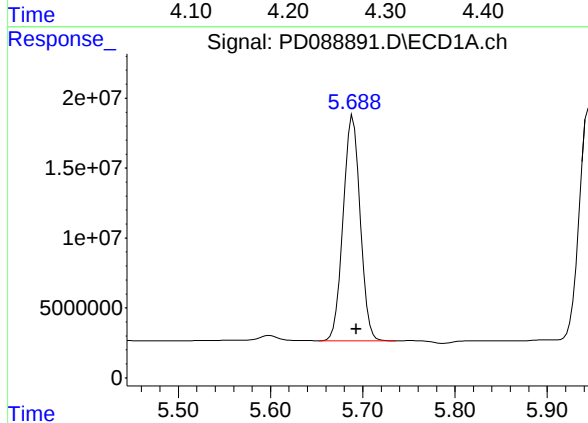
R.T.: 4.762 min
Delta R.T.: -0.004 min
Response: 238497600
Conc: 56.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



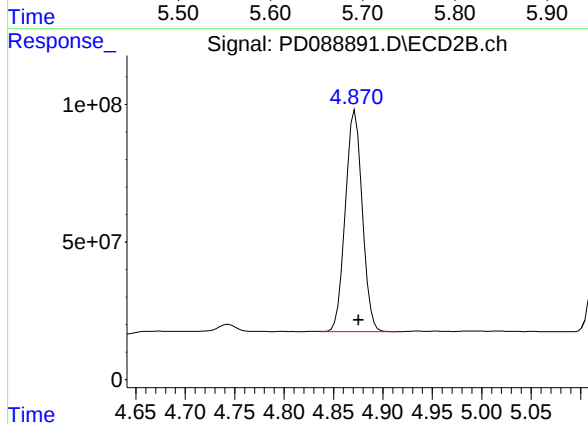
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.003 min
Response: 1094613781
Conc: 49.10 ng/ml



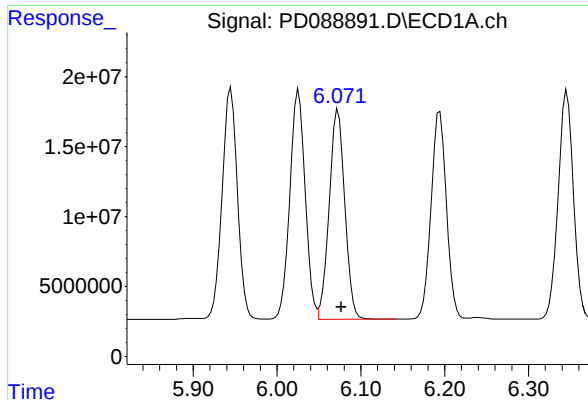
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: -0.003 min
Response: 206131838
Conc: 51.93 ng/ml



#8 Heptachlor epoxide

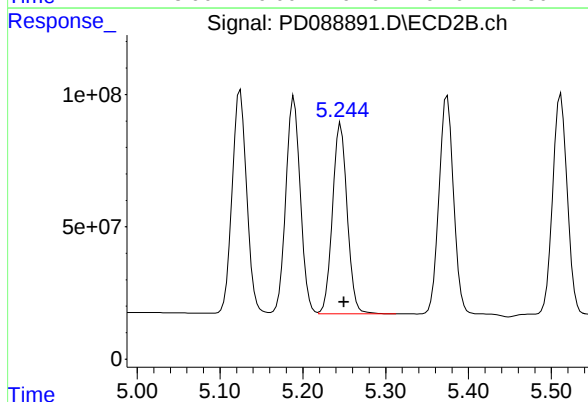
R.T.: 4.872 min
Delta R.T.: -0.004 min
Response: 958340282
Conc: 48.23 ng/ml



#9 Endosulfan I

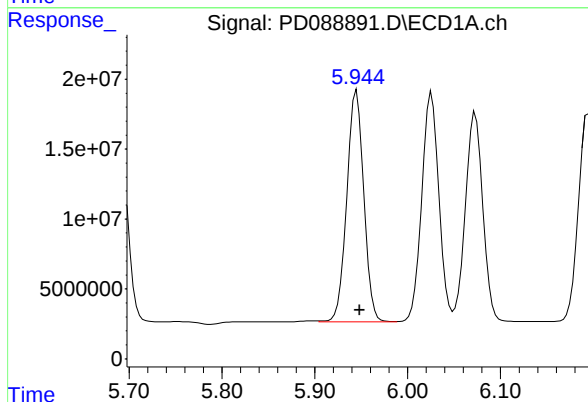
R.T.: 6.073 min
Delta R.T.: -0.004 min
Response: 194860077
Conc: 51.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



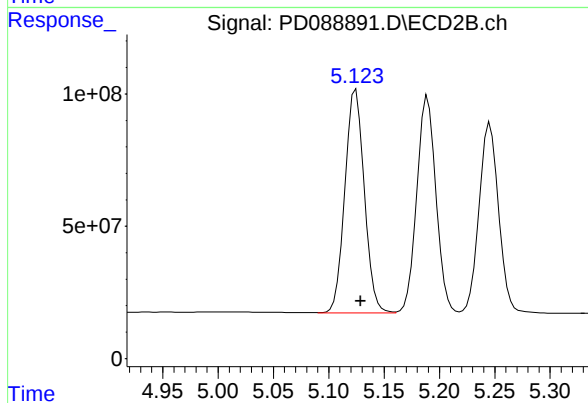
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: -0.004 min
Response: 889437197
Conc: 46.87 ng/ml



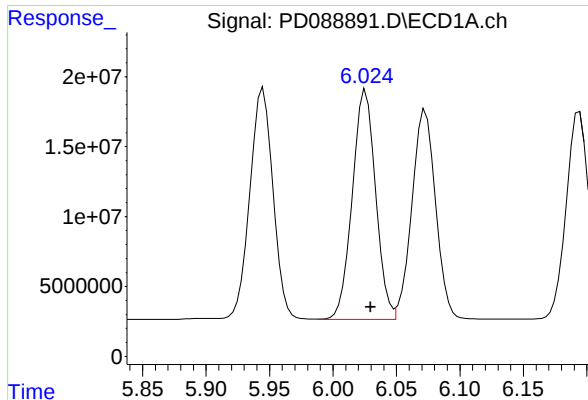
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: -0.003 min
Response: 210533569
Conc: 52.78 ng/ml



#10 gamma-Chlordane

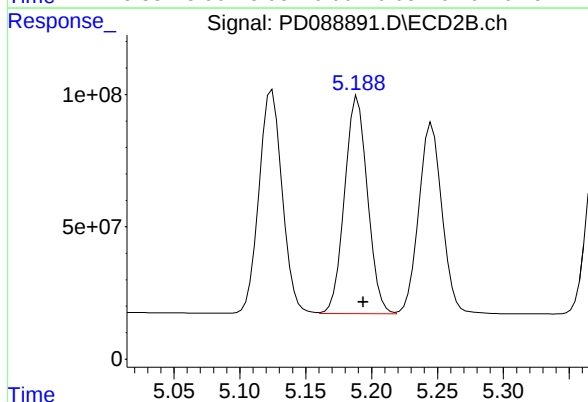
R.T.: 5.125 min
Delta R.T.: -0.004 min
Response: 1034889073
Conc: 48.51 ng/ml



#11 alpha-Chlordane

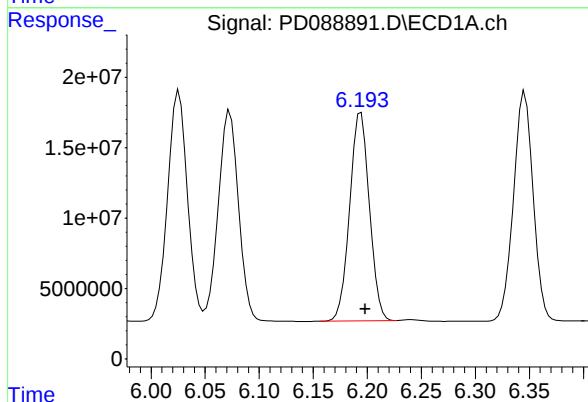
R.T.: 6.026 min
Delta R.T.: -0.004 min
Response: 209674609
Conc: 52.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



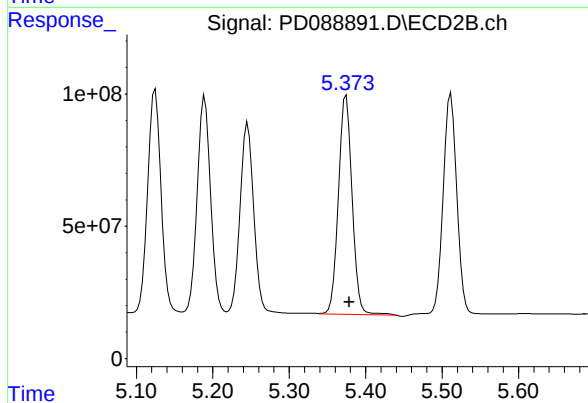
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.004 min
Response: 992496405
Conc: 48.12 ng/ml



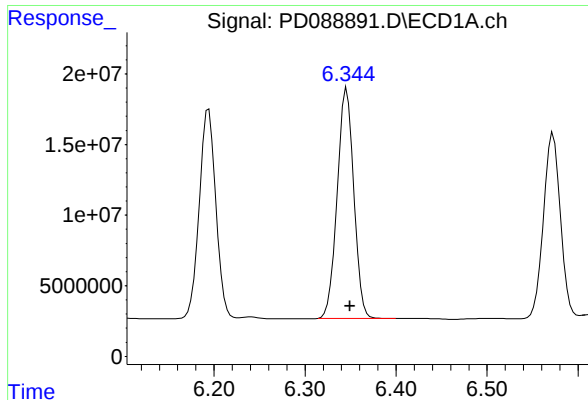
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: -0.004 min
Response: 188084560
Conc: 52.40 ng/ml



#12 4,4'-DDE

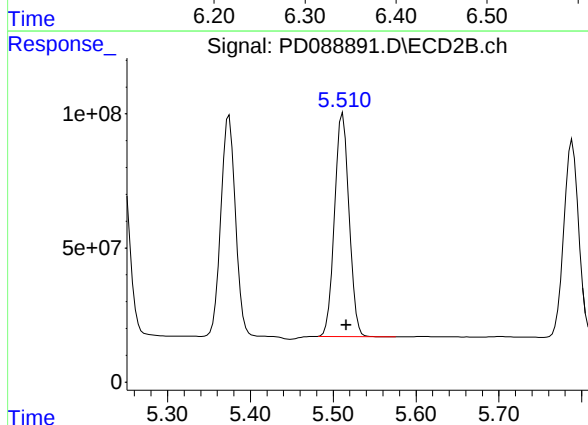
R.T.: 5.374 min
Delta R.T.: -0.004 min
Response: 1027301035
Conc: 49.15 ng/ml



#13 Dieldrin

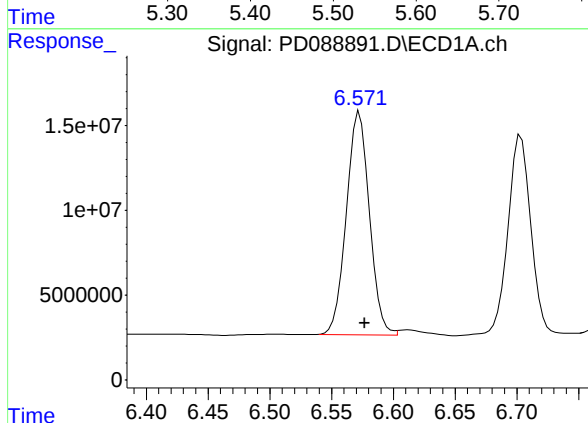
R.T.: 6.346 min
Delta R.T.: -0.004 min
Response: 206063385
Conc: 51.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



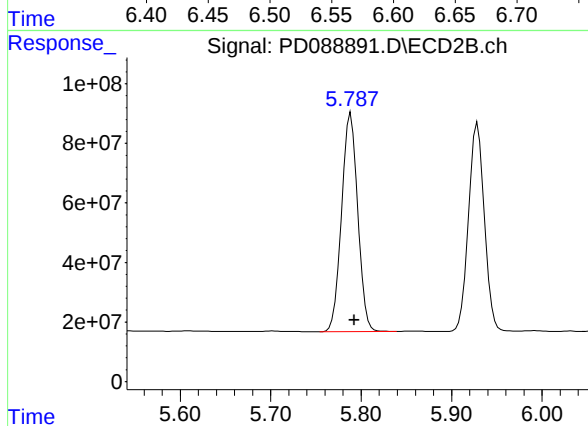
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: -0.004 min
Response: 1013464574
Conc: 48.16 ng/ml



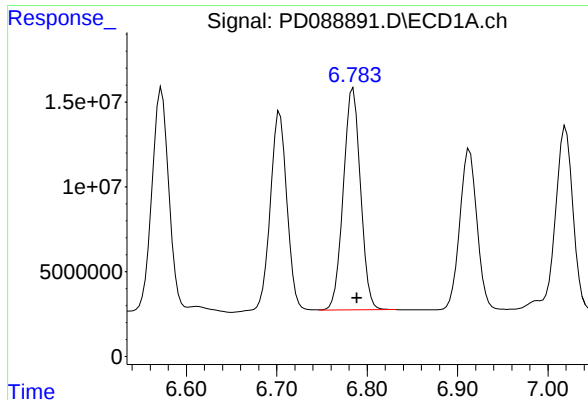
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.004 min
Response: 171132930
Conc: 50.11 ng/ml



#14 Endrin

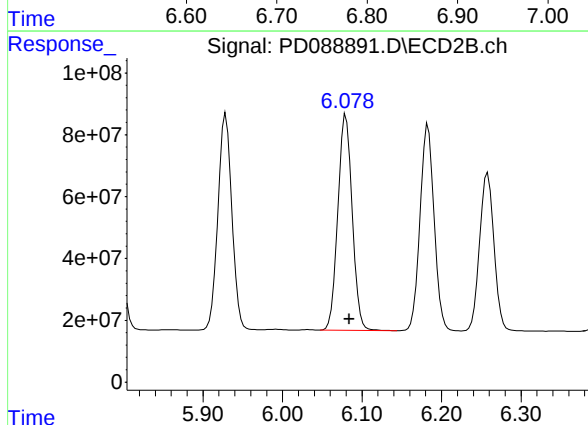
R.T.: 5.789 min
Delta R.T.: -0.004 min
Response: 913906575
Conc: 47.39 ng/ml



#15 Endosulfan II

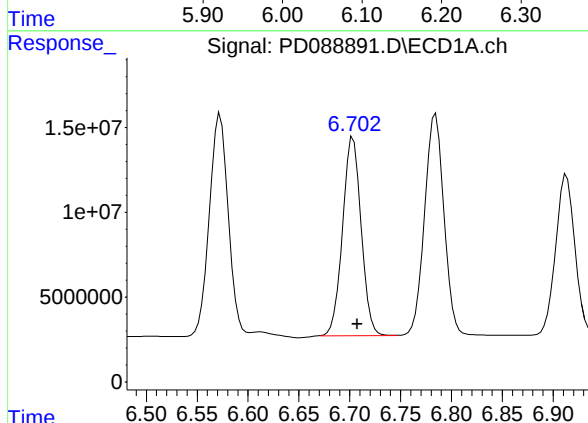
R.T.: 6.785 min
Delta R.T.: -0.004 min
Response: 172679782
Conc: 50.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



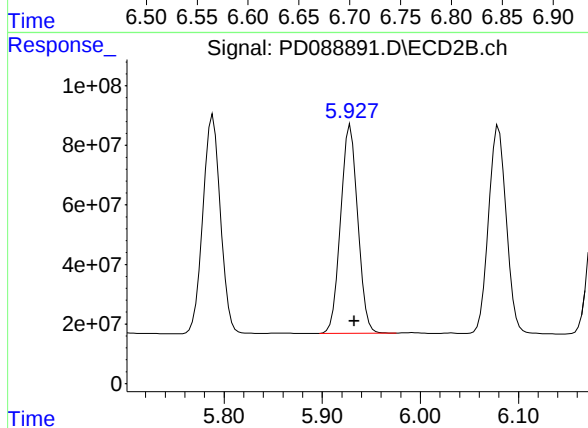
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: -0.004 min
Response: 877857655
Conc: 47.91 ng/ml



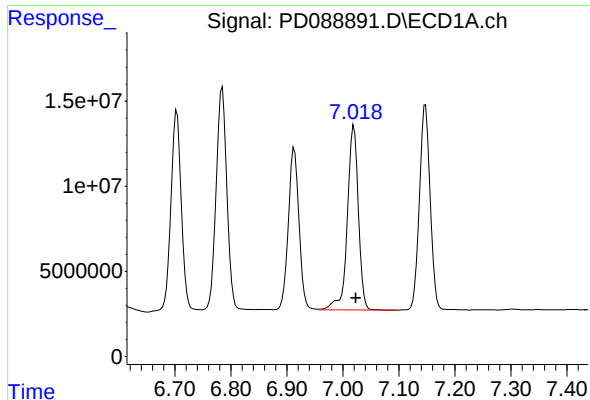
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: -0.004 min
Response: 148605065
Conc: 53.36 ng/ml



#16 4,4'-DDD

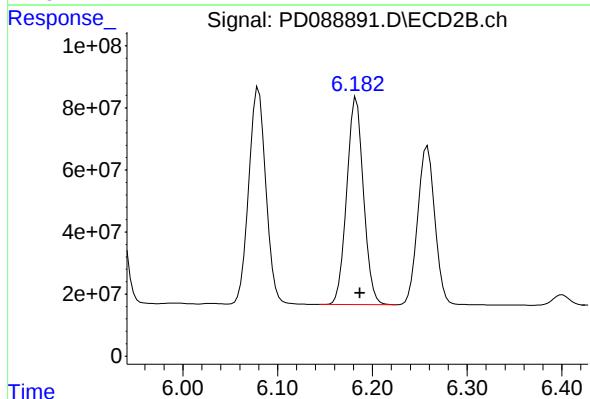
R.T.: 5.929 min
Delta R.T.: -0.004 min
Response: 851036183
Conc: 48.93 ng/ml



#17 4,4'-DDT

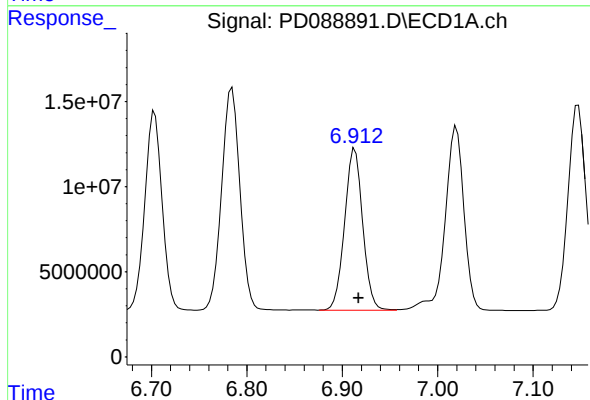
R.T.: 7.019 min
Delta R.T.: -0.004 min
Response: 148423604
Conc: 47.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



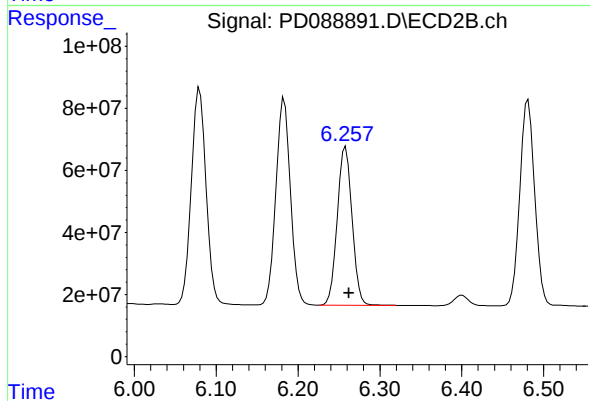
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.004 min
Response: 822002812
Conc: 45.32 ng/ml



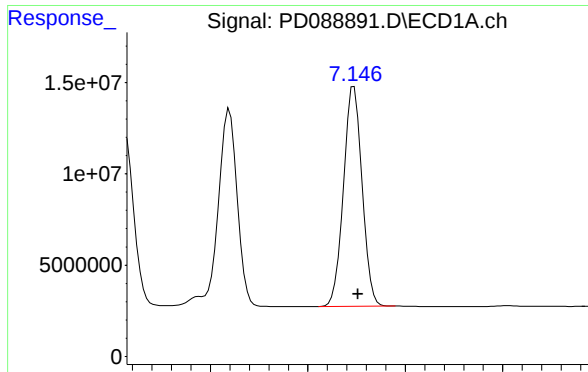
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: -0.004 min
Response: 125575096
Conc: 48.77 ng/ml



#18 Endrin aldehyde

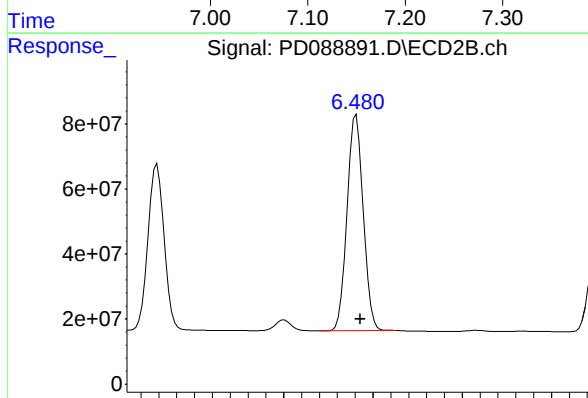
R.T.: 6.258 min
Delta R.T.: -0.004 min
Response: 642317686
Conc: 46.11 ng/ml



#19 Endosulfan Sulfate

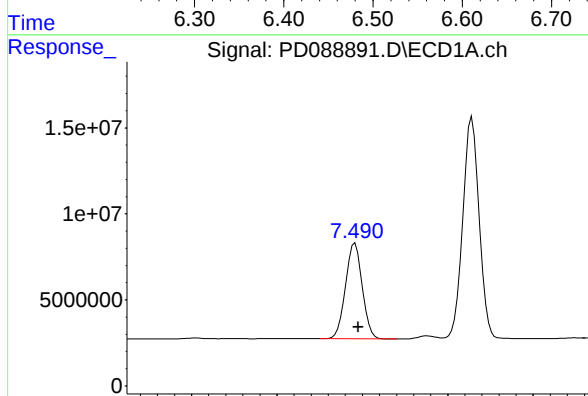
R.T.: 7.147 min
Delta R.T.: -0.004 min
Response: 159515167
Conc: 49.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



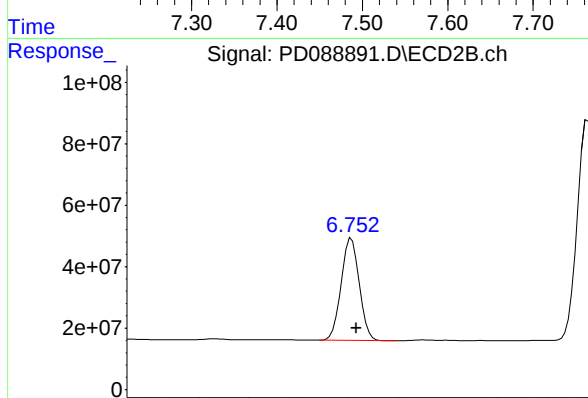
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: -0.005 min
Response: 837640382
Conc: 47.18 ng/ml



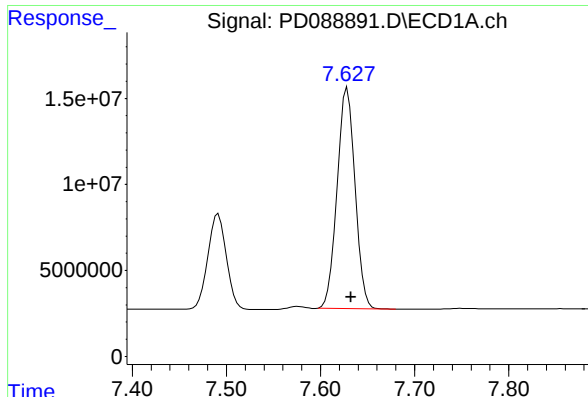
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: -0.004 min
Response: 75525844
Conc: 45.21 ng/ml



#20 Methoxychlor

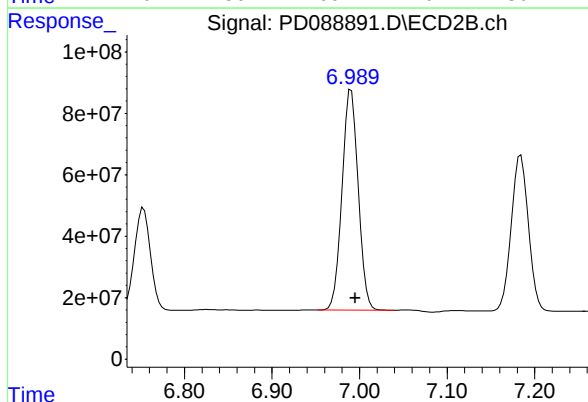
R.T.: 6.753 min
Delta R.T.: -0.005 min
Response: 420607160
Conc: 43.93 ng/ml



#21 Endrin ketone

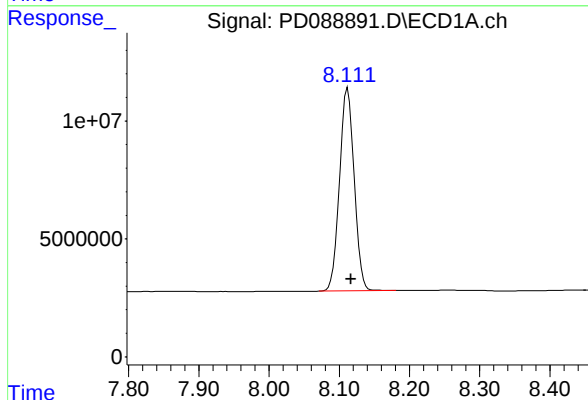
R.T.: 7.628 min
Delta R.T.: -0.004 min
Response: 169989971
Conc: 49.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



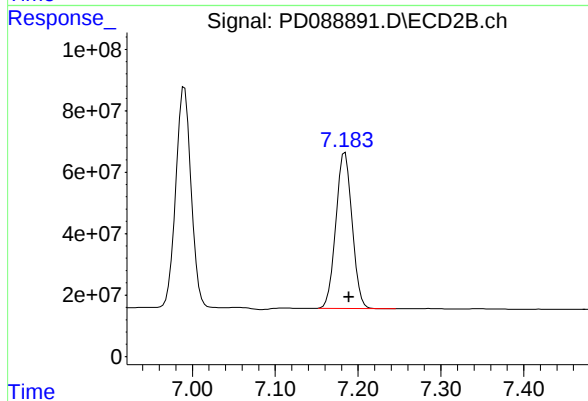
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.004 min
Response: 920917149
Conc: 47.60 ng/ml



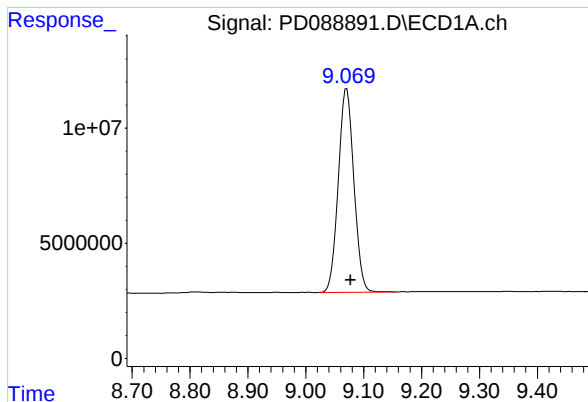
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.005 min
Response: 124788139
Conc: 48.03 ng/ml



#22 Mirex

R.T.: 7.184 min
Delta R.T.: -0.005 min
Response: 689903914
Conc: 45.38 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min

Delta R.T.: -0.007 min

Response: 164757300

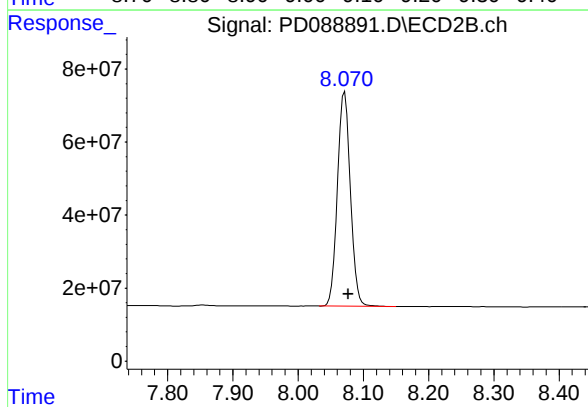
Conc: 48.14 ng/ml

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.071 min

Delta R.T.: -0.005 min

Response: 810116781

Conc: 44.37 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

Continuing Calib Date: 06/11/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 08:47 Initial Calibration Time(s): 11:31 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.51	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.77	4.67	4.87	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	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	7.50	7.40	7.60	0.01
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



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

Continuing Calib Date: 06/11/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 08:47 Initial Calibration Time(s): 11:31 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.03	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	4.09	3.99	4.19	0.01
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.88	4.78	4.98	0.01
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.51	5.52	5.42	5.62	0.01
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	6.49	6.39	6.59	0.01
4,4'-DDT	6.18	6.19	6.09	6.29	0.01
Methoxychlor	6.75	6.76	6.66	6.86	0.01
Endrin ketone	6.99	7.00	6.90	7.10	0.01
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	5.13	5.13	5.03	5.23	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL05 Date Analyzed: 06/11/2025

Lab Sample No.: PSTDCCC050 Data File : PD088904.D Time Analyzed: 08:47

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.704	6.608	6.808	53.830	50.000	7.7
4,4'-DDE	6.194	6.098	6.298	51.200	50.000	2.4
4,4'-DDT	7.020	6.923	7.123	48.080	50.000	-3.8
Aldrin	5.270	5.173	5.373	52.030	50.000	4.1
alpha-BHC	3.998	3.900	4.100	53.250	50.000	6.5
alpha-Chlordane	6.026	5.930	6.130	51.520	50.000	3.0
beta-BHC	4.514	4.417	4.617	52.360	50.000	4.7
Decachlorobiphenyl	9.071	8.977	9.177	47.920	50.000	-4.2
delta-BHC	4.763	4.666	4.866	55.520	50.000	11.0
Dieldrin	6.346	6.250	6.450	50.980	50.000	2.0
Endosulfan I	6.074	5.977	6.177	51.070	50.000	2.1
Endosulfan II	6.785	6.688	6.888	50.370	50.000	0.7
Endosulfan sulfate	7.148	7.052	7.252	49.760	50.000	-0.5
Endrin	6.573	6.477	6.677	50.690	50.000	1.4
Endrin aldehyde	6.914	6.817	7.017	48.980	50.000	-2.0
Endrin ketone	7.629	7.533	7.733	49.910	50.000	-0.2
gamma-BHC (Lindane)	4.329	4.232	4.432	52.570	50.000	5.1
gamma-Chlordane	5.945	5.848	6.048	51.900	50.000	3.8
Heptachlor	4.928	4.832	5.032	50.670	50.000	1.3
Heptachlor epoxide	5.689	5.593	5.793	51.430	50.000	2.9
Methoxychlor	7.492	7.395	7.595	46.190	50.000	-7.6
Tetrachloro-m-xylene	3.549	3.451	3.651	56.280	50.000	12.6



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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL05 Date Analyzed: 06/11/2025

Lab Sample No.: PSTDCCC050 Data File : PD088904.D Time Analyzed: 08:47

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.929	5.833	6.033	48.030	50.000	-3.9
4,4'-DDE	5.373	5.278	5.478	47.050	50.000	-5.9
4,4'-DDT	6.183	6.087	6.287	45.390	50.000	-9.2
Aldrin	4.367	4.271	4.471	47.490	50.000	-5.0
alpha-BHC	3.392	3.294	3.494	47.600	50.000	-4.8
alpha-Chlordane	5.189	5.094	5.294	47.010	50.000	-6.0
beta-BHC	4.024	3.927	4.127	46.630	50.000	-6.7
Decachlorobiphenyl	8.071	7.977	8.177	45.160	50.000	-9.7
delta-BHC	4.261	4.164	4.364	47.760	50.000	-4.5
Dieldrin	5.512	5.416	5.616	47.070	50.000	-5.9
Endosulfan I	5.246	5.150	5.350	42.680	50.000	-14.6
Endosulfan II	6.080	5.984	6.184	47.360	50.000	-5.3
Endosulfan sulfate	6.481	6.386	6.586	46.670	50.000	-6.7
Endrin	5.789	5.692	5.892	46.220	50.000	-7.6
Endrin aldehyde	6.258	6.162	6.362	45.770	50.000	-8.5
Endrin ketone	6.991	6.895	7.095	47.460	50.000	-5.1
gamma-BHC (Lindane)	3.729	3.631	3.831	47.700	50.000	-4.6
gamma-Chlordane	5.125	5.029	5.229	47.250	50.000	-5.5
Heptachlor	4.082	3.985	4.185	45.460	50.000	-9.1
Heptachlor epoxide	4.872	4.775	4.975	47.090	50.000	-5.8
Methoxychlor	6.753	6.658	6.858	44.420	50.000	-11.2
Tetrachloro-m-xylene	2.879	2.782	2.982	47.760	50.000	-4.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061125\
 Data File : PD088904.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Jun 2025 08:47
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 12 07:38:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.549	2.879	121.8E6	722.5E6	56.283	47.761
28) SA Decachlor...	9.071	8.071	164.0E6	824.4E6	47.918	45.158
Target Compounds						
2) A alpha-BHC	3.998	3.392	254.3E6	1137.8E6	53.247	47.597
3) MA gamma-BHC...	4.329	3.729	242.0E6	1057.3E6	52.572	47.699
4) MA Heptachlor	4.928	4.082	226.6E6	1020.8E6	50.674	45.461
5) MB Aldrin	5.270	4.367	228.7E6	1041.5E6	52.031	47.491m
6) B beta-BHC	4.514	4.024	94421555	454.3E6	52.365	46.629
7) B delta-BHC	4.763	4.261	234.6E6	1064.8E6	55.522	47.761
8) B Heptachlo...	5.689	4.872	204.1E6	935.8E6	51.430	47.094
9) A Endosulfan I	6.074	5.246	192.2E6	810.1E6	51.071	42.685
10) B gamma-Chl...	5.945	5.125	207.0E6	1008.0E6	51.904	47.251
11) B alpha-Chl...	6.026	5.189	206.4E6	969.6E6	51.523	47.011
12) B 4,4'-DDE	6.194	5.373	183.8E6	983.5E6	51.202	47.050m
13) MA Dieldrin	6.346	5.512	204.5E6	990.6E6	50.976	47.073
14) MA Endrin	6.573	5.789	173.1E6	891.4E6	50.687	46.224
15) B Endosulfa...	6.785	6.080	173.5E6	867.7E6	50.372	47.360
16) A 4,4'-DDD	6.704	5.929	149.9E6	835.3E6	53.829	48.026
17) MA 4,4'-DDT	7.020	6.183	150.1E6	823.3E6	48.076	45.393
18) B Endrin al...	6.914	6.258	126.1E6	637.6E6	48.976	45.773
19) B Endosulfa...	7.148	6.481	159.4E6	828.7E6	49.760	46.670
20) A Methoxychlor	7.492	6.753	77165608	425.4E6	46.192	44.425
21) B Endrin ke...	7.629	6.991	170.9E6	918.2E6	49.913	47.458
22) Mirex	8.112	7.184	124.8E6	701.3E6	48.042	46.129

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061125\
Data File : PD088904.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 08:47
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

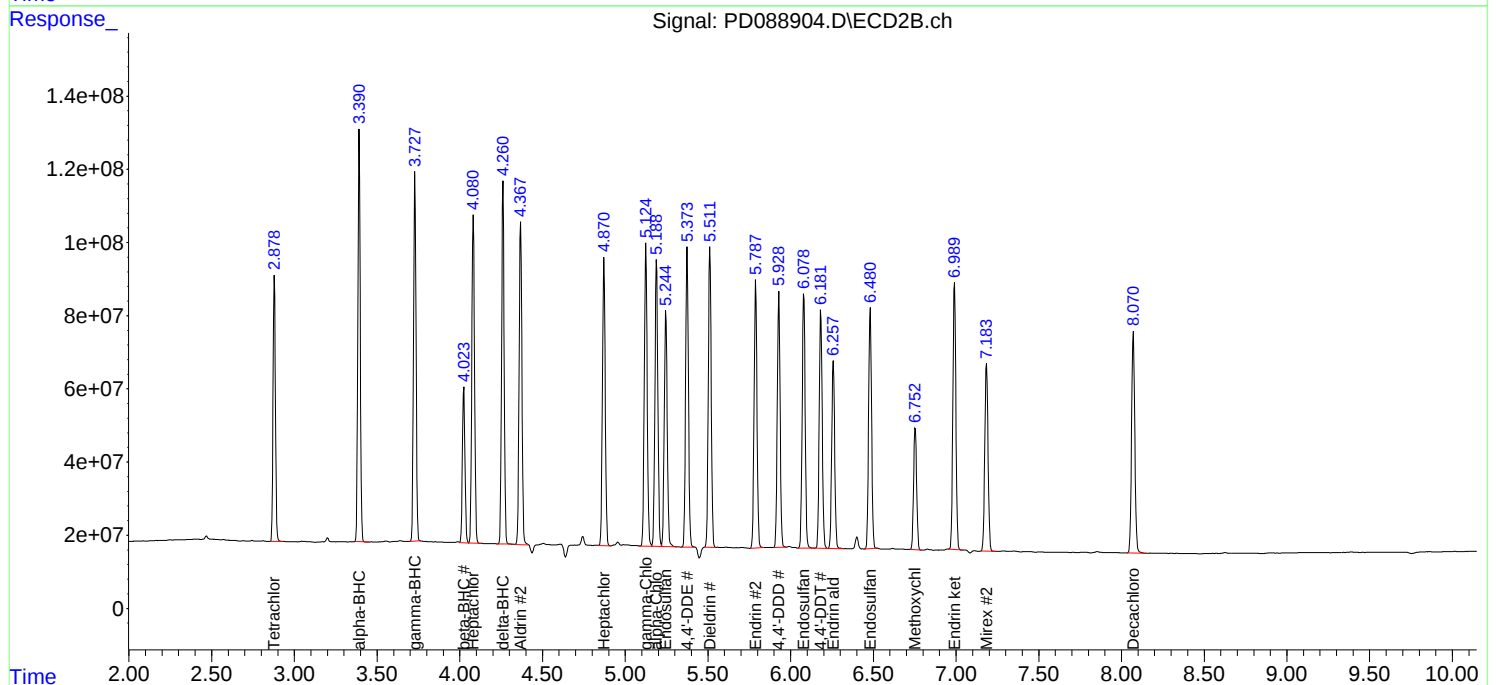
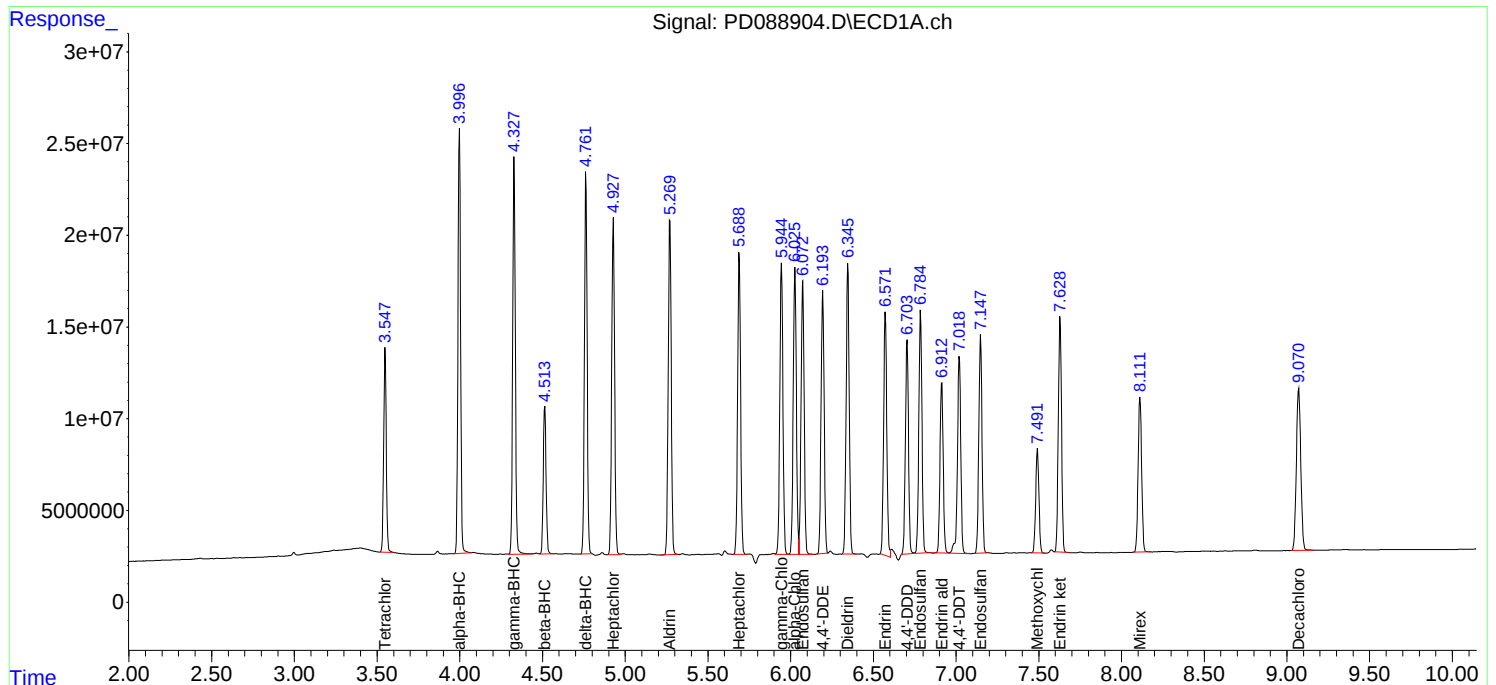
APPROVED

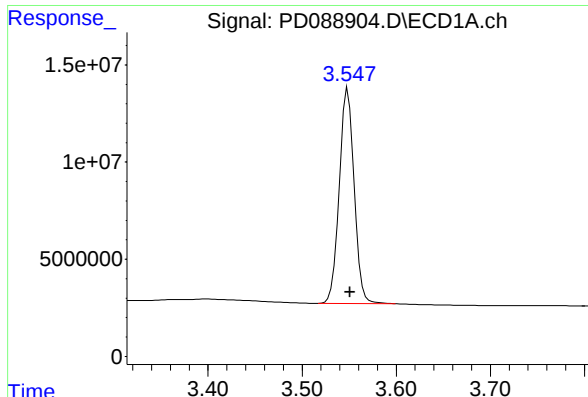
Reviewed By :Abdul Mirza 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 07:38:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: -0.002 min
Response: 121783069
Conc: 56.28 ng/ml

Instrument :

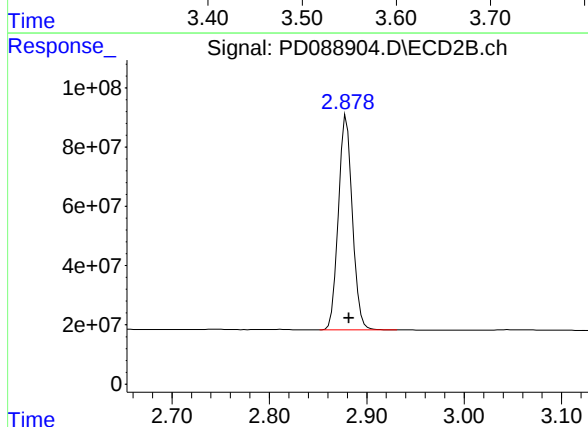
ECD_D

ClientSampleId :

PSTDCCC050

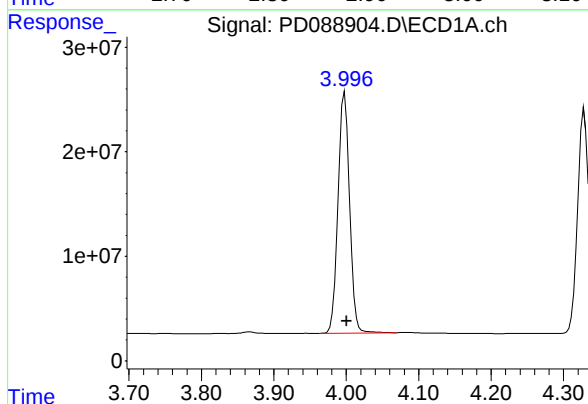
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



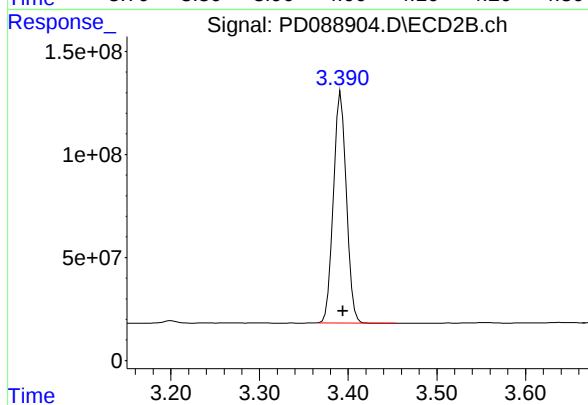
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 722470854
Conc: 47.76 ng/ml



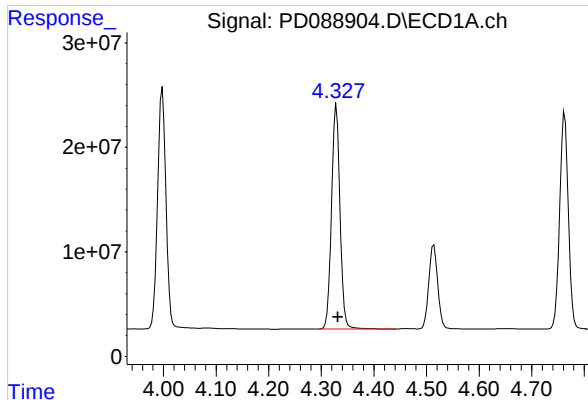
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.003 min
Response: 254337661
Conc: 53.25 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.003 min
Response: 1137754581
Conc: 47.60 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: -0.003 min
Response: 241973942
Conc: 52.57 ng/ml

Instrument :

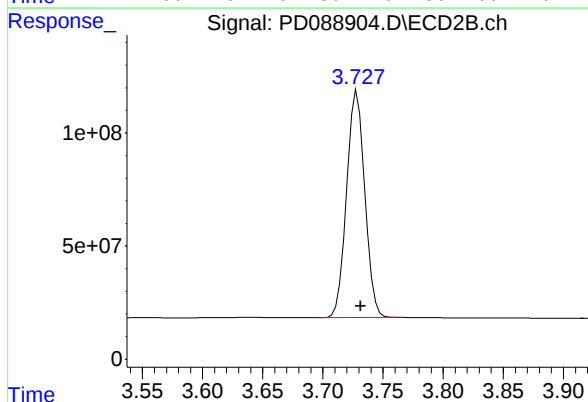
ECD_D

ClientSampleId :

PSTDCCC050

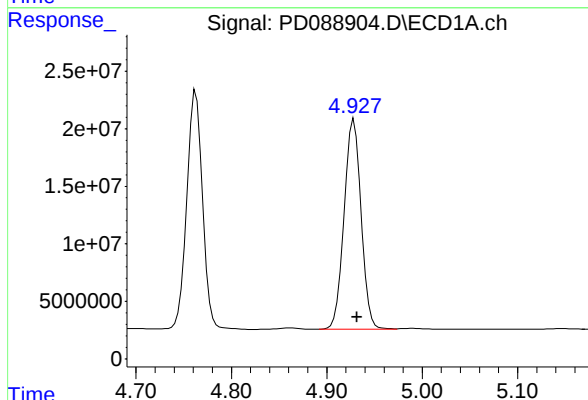
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



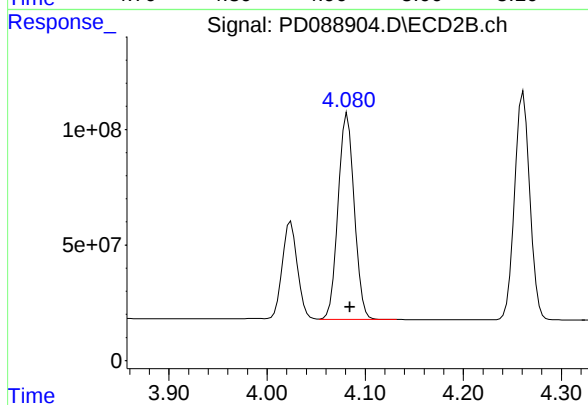
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: -0.003 min
Response: 1057281187
Conc: 47.70 ng/ml



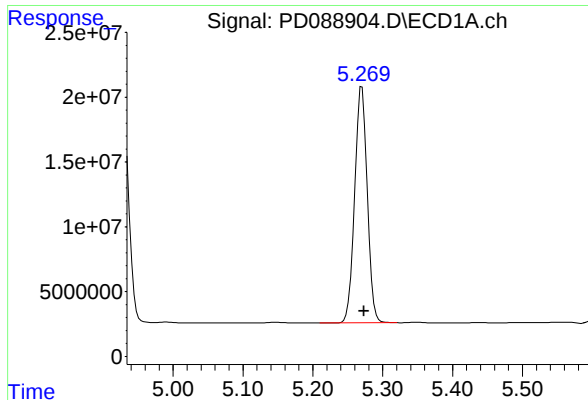
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: -0.003 min
Response: 226572475
Conc: 50.67 ng/ml



#4 Heptachlor

R.T.: 4.082 min
Delta R.T.: -0.003 min
Response: 1020823157
Conc: 45.46 ng/ml



#5 Aldrin

R.T.: 5.270 min
Delta R.T.: -0.003 min
Response: 228652382
Conc: 52.03 ng/ml

Instrument :

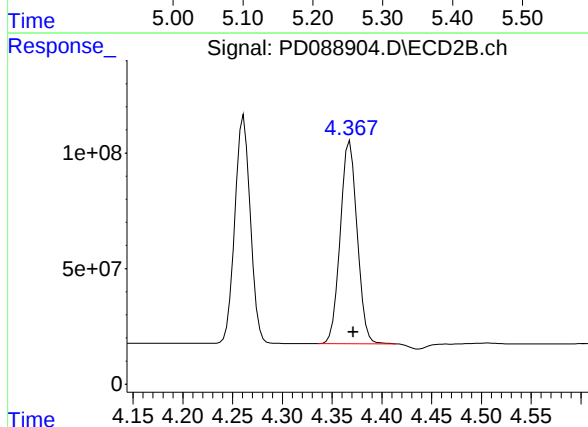
ECD_D

ClientSampleId :

PSTDCCC050

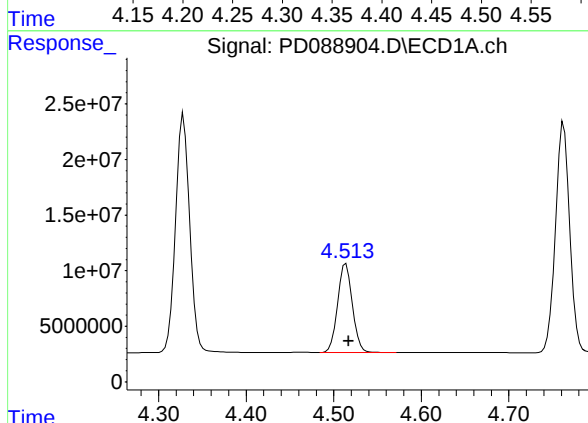
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



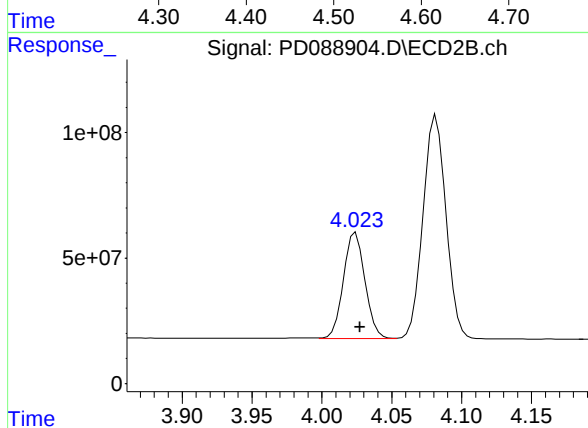
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: -0.005 min
Response: 1041462409
Conc: 47.49 ng/ml



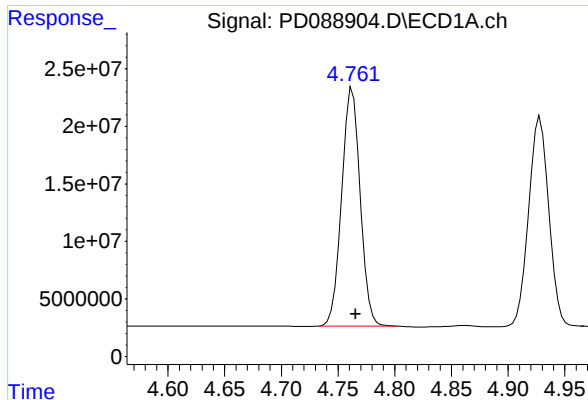
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.003 min
Response: 94421555
Conc: 52.36 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: -0.003 min
Response: 454258832
Conc: 46.63 ng/ml



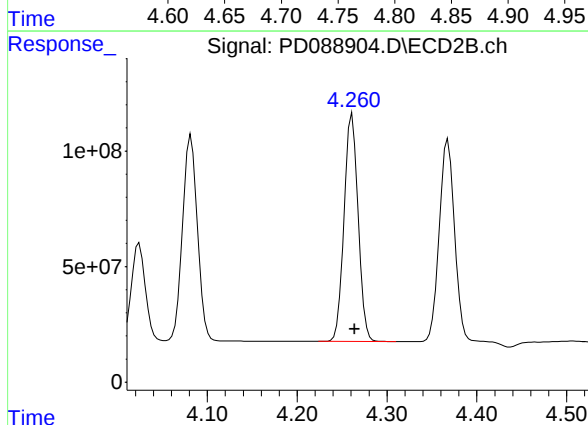
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: -0.003 min
Response: 234642208
Conc: 55.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

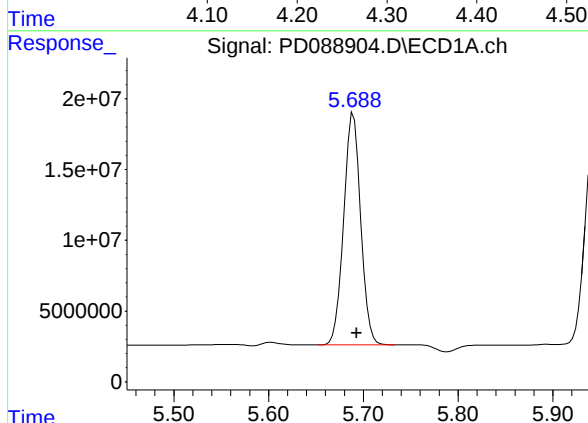
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



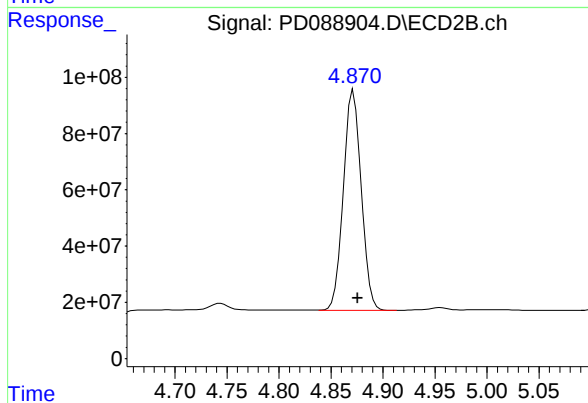
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.003 min
Response: 1064786633
Conc: 47.76 ng/ml



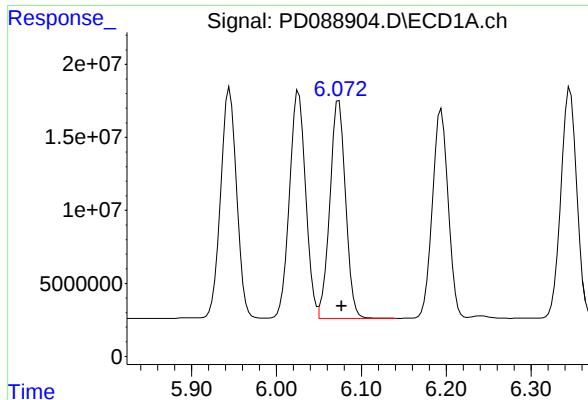
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: -0.003 min
Response: 204140765
Conc: 51.43 ng/ml



#8 Heptachlor epoxide

R.T.: 4.872 min
Delta R.T.: -0.004 min
Response: 935827397
Conc: 47.09 ng/ml



#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: -0.003 min
Response: 192174434
Conc: 51.07 ng/ml

Instrument :

ECD_D

ClientSampleId :

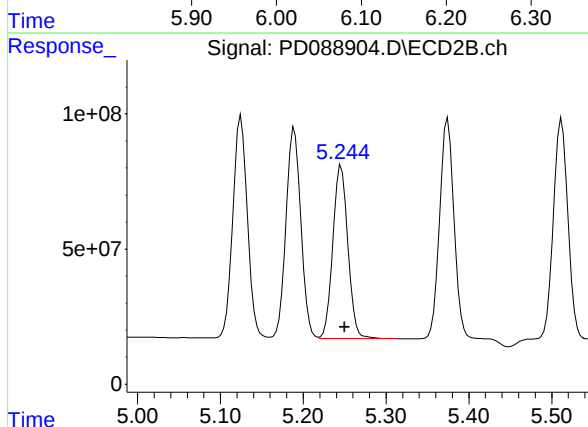
PSTDCCC050

Manual Integrations

APPROVED

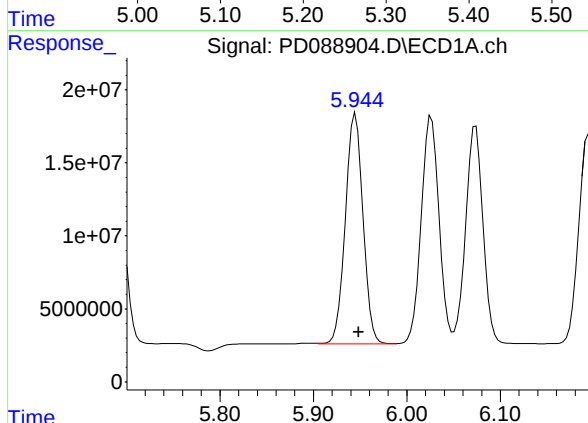
Reviewed By :Abdul Mirza 06/12/2025

Supervised By :mohammad ahmed 06/13/2025



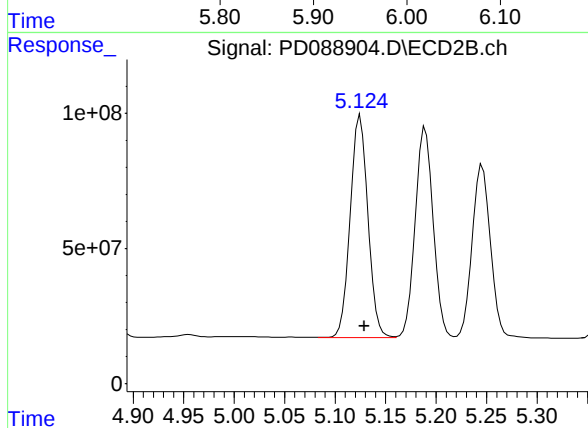
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: -0.004 min
Response: 810092664
Conc: 42.68 ng/ml



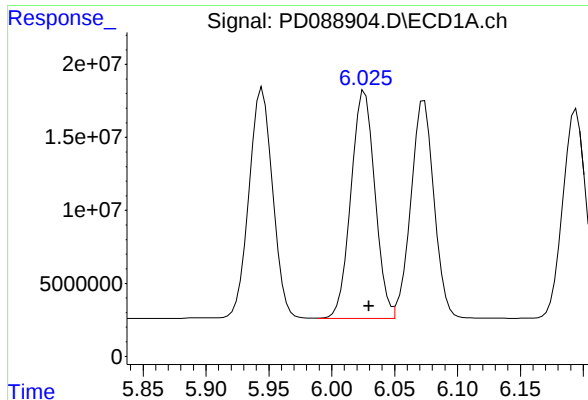
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: -0.003 min
Response: 207042405
Conc: 51.90 ng/ml



#10 gamma-Chlordane

R.T.: 5.125 min
Delta R.T.: -0.004 min
Response: 1007960233
Conc: 47.25 ng/ml



#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: -0.004 min
Response: 206413967
Conc: 51.52 ng/ml

Instrument :

ECD_D

ClientSampleId :

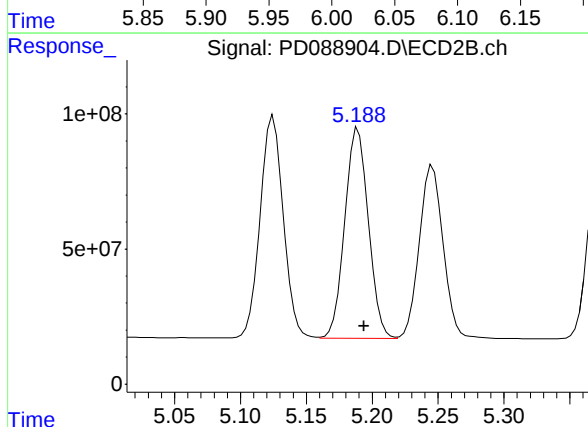
PSTDCCC050

Manual Integrations

APPROVED

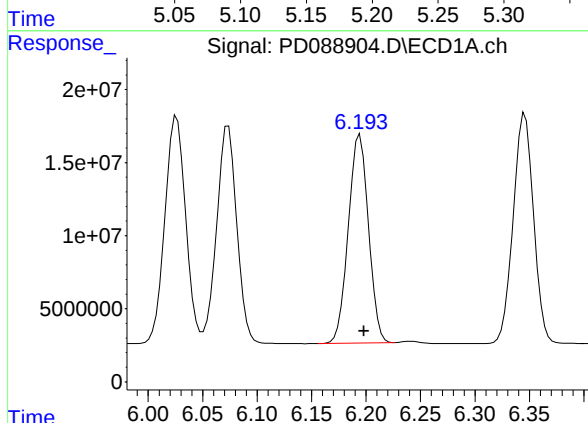
Reviewed By :Abdul Mirza 06/12/2025

Supervised By :mohammad ahmed 06/13/2025



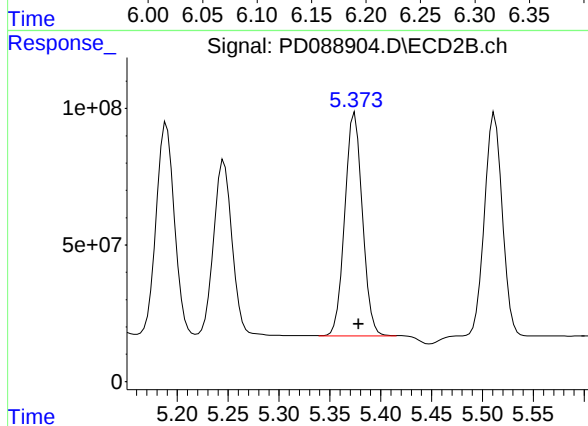
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.004 min
Response: 969596141
Conc: 47.01 ng/ml



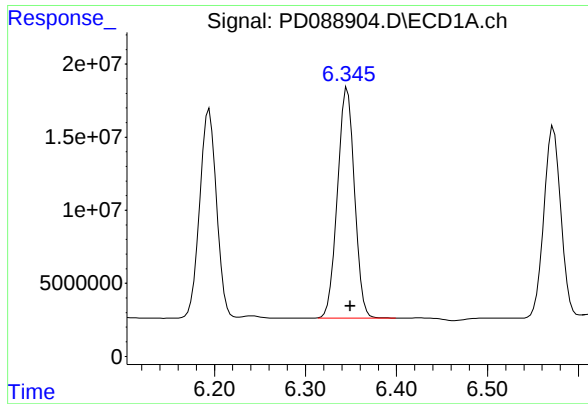
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: -0.004 min
Response: 183783121
Conc: 51.20 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.005 min
Response: 983467369
Conc: 47.05 ng/ml m



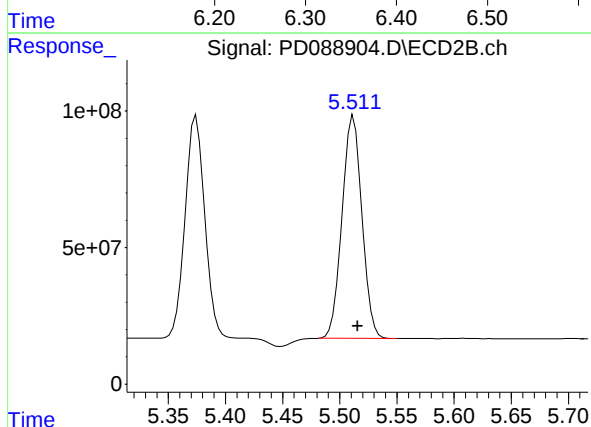
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: -0.004 min
Response: 204501355
Conc: 50.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

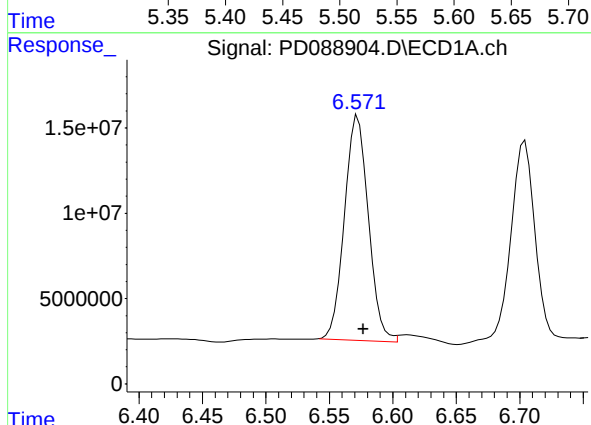
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



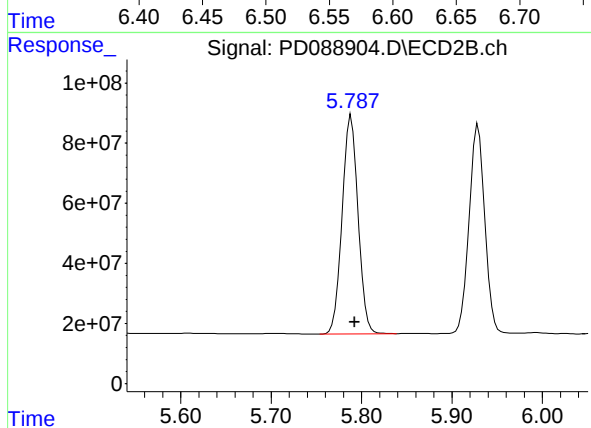
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: -0.004 min
Response: 990590651
Conc: 47.07 ng/ml



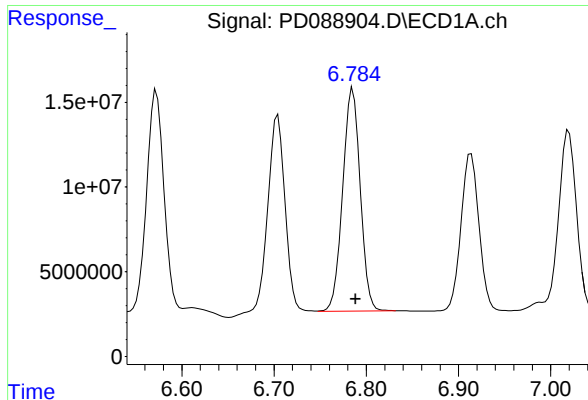
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.004 min
Response: 173104283
Conc: 50.69 ng/ml



#14 Endrin

R.T.: 5.789 min
Delta R.T.: -0.004 min
Response: 891375006
Conc: 46.22 ng/ml



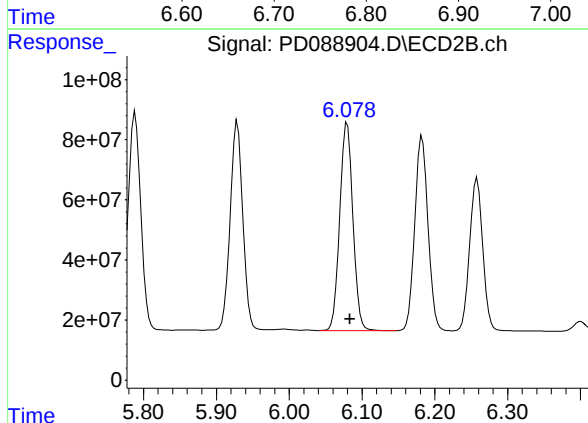
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: -0.003 min
Response: 173459703
Conc: 50.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

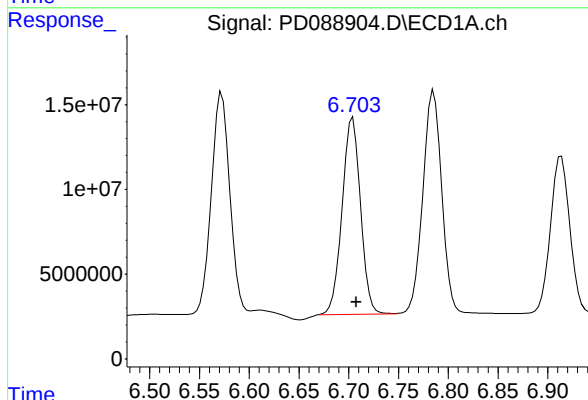
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



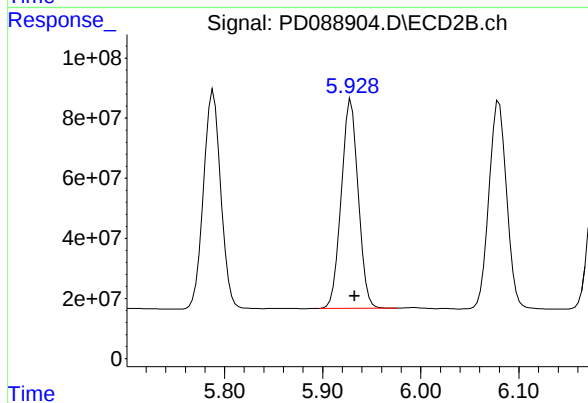
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: -0.004 min
Response: 867728966
Conc: 47.36 ng/ml



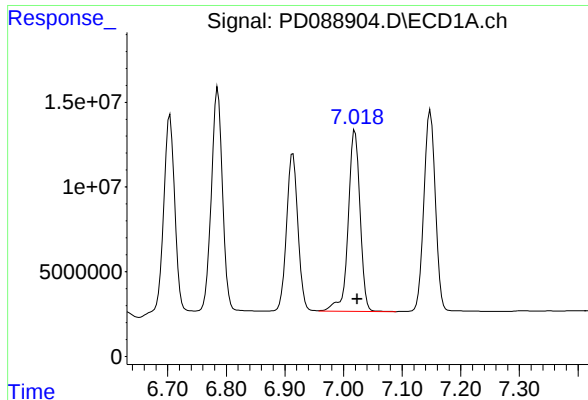
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.003 min
Response: 149919905
Conc: 53.83 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: -0.004 min
Response: 835281630
Conc: 48.03 ng/ml



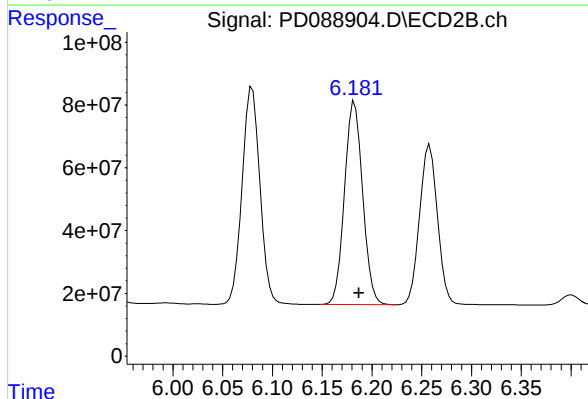
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.004 min
Response: 150094683
Conc: 48.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

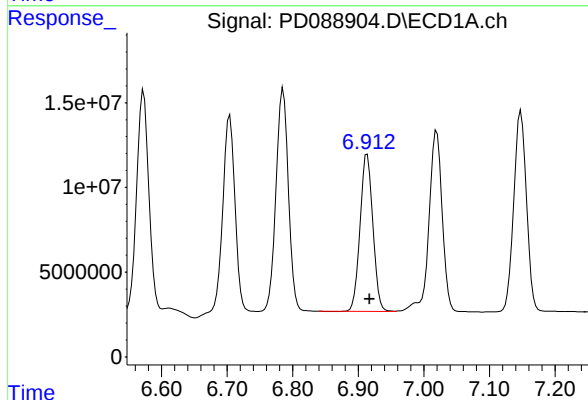
Manual Integrations
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Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



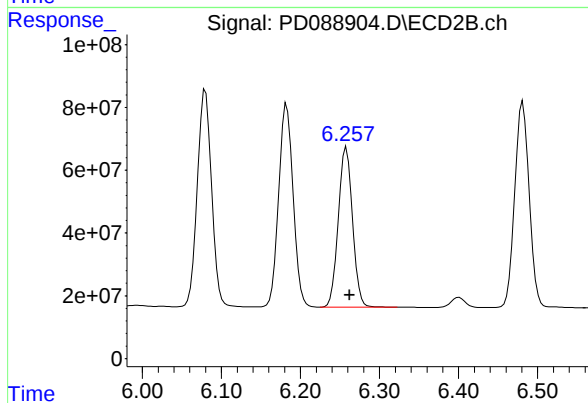
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.004 min
Response: 823303112
Conc: 45.39 ng/ml



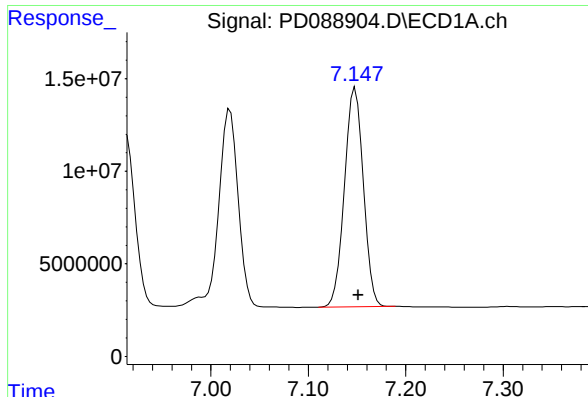
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: -0.004 min
Response: 126093073
Conc: 48.98 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: -0.004 min
Response: 637562056
Conc: 45.77 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: -0.003 min
Response: 159385227
Conc: 49.76 ng/ml

Instrument :

ECD_D

ClientSampleId :

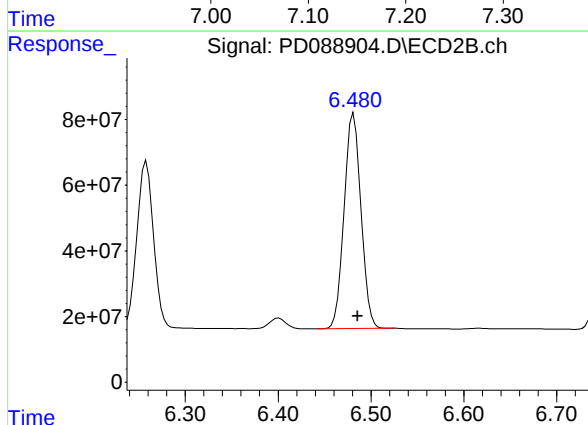
PSTDCCC050

Manual Integrations

APPROVED

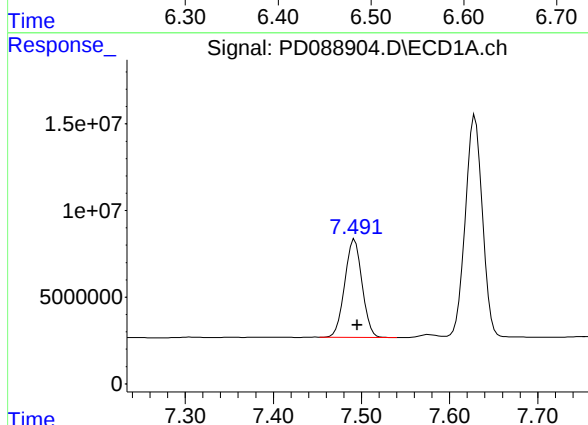
Reviewed By :Abdul Mirza 06/12/2025

Supervised By :mohammad ahmed 06/13/2025



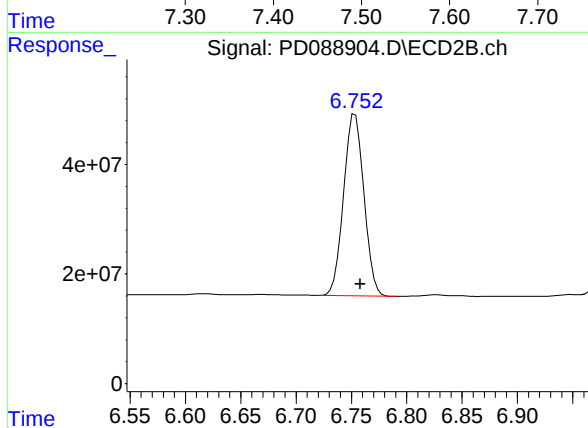
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: -0.004 min
Response: 828666892
Conc: 46.67 ng/ml



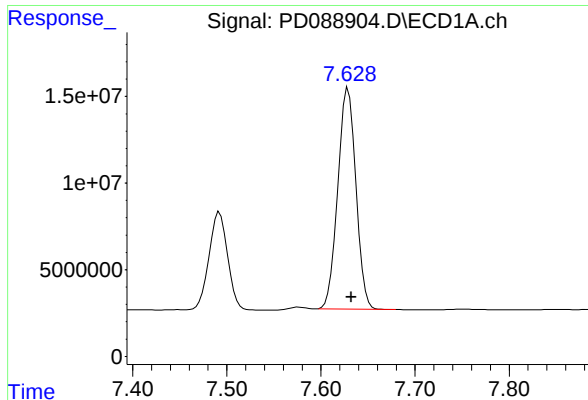
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.003 min
Response: 77165608
Conc: 46.19 ng/ml



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.005 min
Response: 425356356
Conc: 44.42 ng/ml



#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: -0.004 min
Response: 170860833
Conc: 49.91 ng/ml

Instrument :

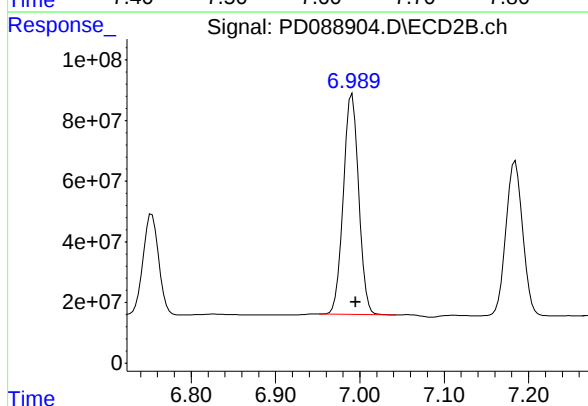
ECD_D

ClientSampleId :

PSTDCCC050

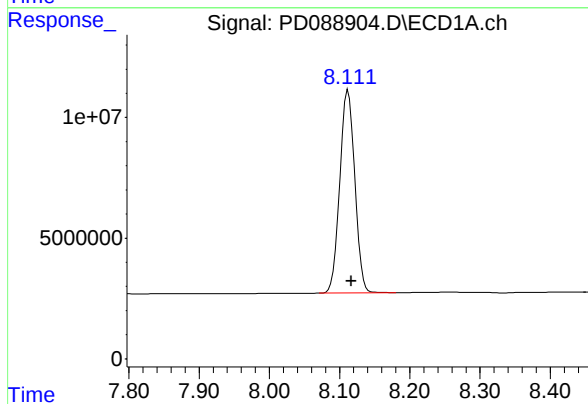
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



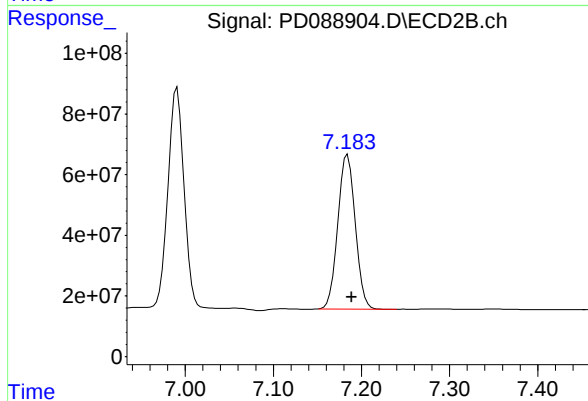
#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: -0.004 min
Response: 918194677
Conc: 47.46 ng/ml



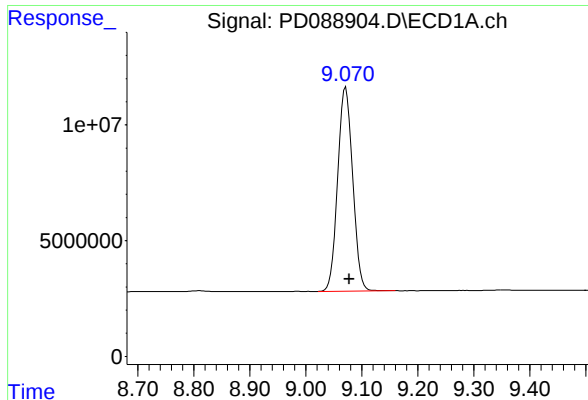
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.005 min
Response: 124826902
Conc: 48.04 ng/ml



#22 Mirex

R.T.: 7.184 min
Delta R.T.: -0.005 min
Response: 701273040
Conc: 46.13 ng/ml



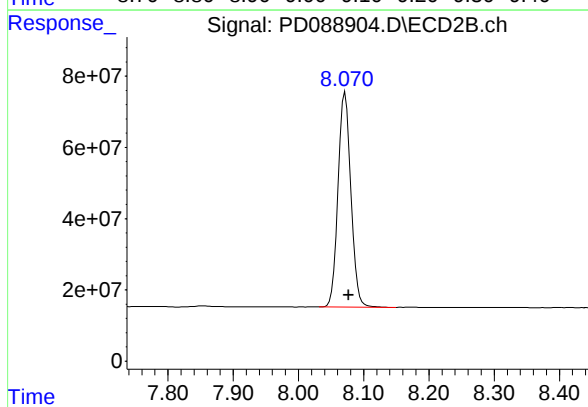
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.006 min
Response: 163991386
Conc: 47.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.005 min
Response: 824416671
Conc: 45.16 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

Continuing Calib Date: 06/11/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 12:57 Initial Calibration Time(s): 11:31 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.77	4.67	4.87	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	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	0.01
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	7.50	7.40	7.60	0.01
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



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

Continuing Calib Date: 06/11/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 12:57 Initial Calibration Time(s): 11:31 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.03	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	4.09	3.99	4.19	0.01
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.88	4.78	4.98	0.01
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.51	5.52	5.42	5.62	0.01
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	6.49	6.39	6.59	0.01
4,4'-DDT	6.18	6.19	6.09	6.29	0.01
Methoxychlor	6.75	6.76	6.66	6.86	0.01
Endrin ketone	6.99	7.00	6.90	7.10	0.01
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	5.13	5.13	5.03	5.23	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL06 Date Analyzed: 06/11/2025

Lab Sample No.: PSTDCCC050 Data File : PD088914.D Time Analyzed: 12:57

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.704	6.608	6.808	53.730	50.000	7.5
4,4'-DDE	6.195	6.098	6.298	51.620	50.000	3.2
4,4'-DDT	7.020	6.923	7.123	48.500	50.000	-3.0
Aldrin	5.270	5.173	5.373	52.360	50.000	4.7
alpha-BHC	3.998	3.900	4.100	53.130	50.000	6.3
alpha-Chlordane	6.026	5.930	6.130	51.720	50.000	3.4
beta-BHC	4.515	4.417	4.617	52.170	50.000	4.3
Decachlorobiphenyl	9.072	8.977	9.177	48.430	50.000	-3.1
delta-BHC	4.763	4.666	4.866	55.670	50.000	11.3
Dieldrin	6.346	6.250	6.450	51.150	50.000	2.3
Endosulfan I	6.074	5.977	6.177	51.290	50.000	2.6
Endosulfan II	6.785	6.688	6.888	50.390	50.000	0.8
Endosulfan sulfate	7.148	7.052	7.252	50.220	50.000	0.4
Endrin	6.574	6.477	6.677	50.690	50.000	1.4
Endrin aldehyde	6.914	6.817	7.017	49.600	50.000	-0.8
Endrin ketone	7.629	7.533	7.733	50.610	50.000	1.2
gamma-BHC (Lindane)	4.329	4.232	4.432	52.360	50.000	4.7
gamma-Chlordane	5.945	5.848	6.048	52.040	50.000	4.1
Heptachlor	4.929	4.832	5.032	50.820	50.000	1.6
Heptachlor epoxide	5.690	5.593	5.793	51.410	50.000	2.8
Methoxychlor	7.492	7.395	7.595	47.070	50.000	-5.9
Tetrachloro-m-xylene	3.549	3.451	3.651	56.220	50.000	12.4



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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL06 Date Analyzed: 06/11/2025

Lab Sample No.: PSTDCCC050 Data File : PD088914.D Time Analyzed: 12:57

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.929	5.833	6.033	48.520	50.000	-3.0
4,4'-DDE	5.373	5.278	5.478	47.300	50.000	-5.4
4,4'-DDT	6.183	6.087	6.287	45.930	50.000	-8.1
Aldrin	4.367	4.271	4.471	47.810	50.000	-4.4
alpha-BHC	3.392	3.294	3.494	48.050	50.000	-3.9
alpha-Chlordane	5.190	5.094	5.294	47.170	50.000	-5.7
beta-BHC	4.024	3.927	4.127	47.070	50.000	-5.9
Decachlorobiphenyl	8.072	7.977	8.177	46.250	50.000	-7.5
delta-BHC	4.261	4.164	4.364	48.180	50.000	-3.6
Dieldrin	5.512	5.416	5.616	47.380	50.000	-5.2
Endosulfan I	5.246	5.150	5.350	43.700	50.000	-12.6
Endosulfan II	6.079	5.984	6.184	47.680	50.000	-4.6
Endosulfan sulfate	6.481	6.386	6.586	47.240	50.000	-5.5
Endrin	5.788	5.692	5.892	46.790	50.000	-6.4
Endrin aldehyde	6.258	6.162	6.362	46.320	50.000	-7.4
Endrin ketone	6.990	6.895	7.095	48.410	50.000	-3.2
gamma-BHC (Lindane)	3.728	3.631	3.831	48.070	50.000	-3.9
gamma-Chlordane	5.125	5.029	5.229	47.610	50.000	-4.8
Heptachlor	4.082	3.985	4.185	45.920	50.000	-8.2
Heptachlor epoxide	4.871	4.775	4.975	47.480	50.000	-5.0
Methoxychlor	6.754	6.658	6.858	45.410	50.000	-9.2
Tetrachloro-m-xylene	2.879	2.782	2.982	48.000	50.000	-4.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061125\
 Data File : PD088914.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Jun 2025 12:57
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 12 07:39:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.549	2.879	121.7E6	726.0E6	56.223	47.996
28) SA Decachlor...	9.072	8.072	165.7E6	844.4E6	48.429	46.254
Target Compounds						
2) A alpha-BHC	3.998	3.392	253.8E6	1148.7E6	53.129	48.053
3) MA gamma-BHC...	4.329	3.728	241.0E6	1065.5E6	52.359	48.068
4) MA Heptachlor	4.929	4.082	227.2E6	1031.2E6	50.815	45.924
5) MB Aldrin	5.270	4.367	230.1E6	1048.4E6	52.360	47.809m
6) B beta-BHC	4.515	4.024	94076778	458.5E6	52.173	47.065
7) B delta-BHC	4.763	4.261	235.3E6	1074.2E6	55.668	48.183
8) B Heptachlo...	5.690	4.871	204.1E6	943.5E6	51.414	47.480
9) A Endosulfan I	6.074	5.246	193.0E6	829.3E6	51.292	43.699
10) B gamma-Chl...	5.945	5.125	207.6E6	1015.5E6	52.036	47.606
11) B alpha-Chl...	6.026	5.190	207.2E6	972.9E6	51.720	47.169
12) B 4,4'-DDE	6.195	5.373	185.3E6	988.8E6	51.615	47.303m
13) MA Dieldrin	6.346	5.512	205.2E6	997.0E6	51.146	47.377
14) MA Endrin	6.574	5.788	173.1E6	902.3E6	50.686	46.792
15) B Endosulfa...	6.785	6.079	173.5E6	873.5E6	50.387	47.676
16) A 4,4'-DDD	6.704	5.929	149.6E6	843.9E6	53.731	48.520
17) MA 4,4'-DDT	7.020	6.183	151.4E6	833.1E6	48.500	45.932
18) B Endrin al...	6.914	6.258	127.7E6	645.2E6	49.595	46.321
19) B Endosulfa...	7.148	6.481	160.9E6	838.8E6	50.225	47.240
20) A Methoxychlor	7.492	6.754	78624657	434.8E6	47.065	45.409
21) B Endrin ke...	7.629	6.990	173.2E6	936.6E6	50.605	48.411
22) Mirex	8.113	7.185	126.4E6	710.9E6	48.642	46.765

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061125\
Data File : PD088914.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 12:57
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

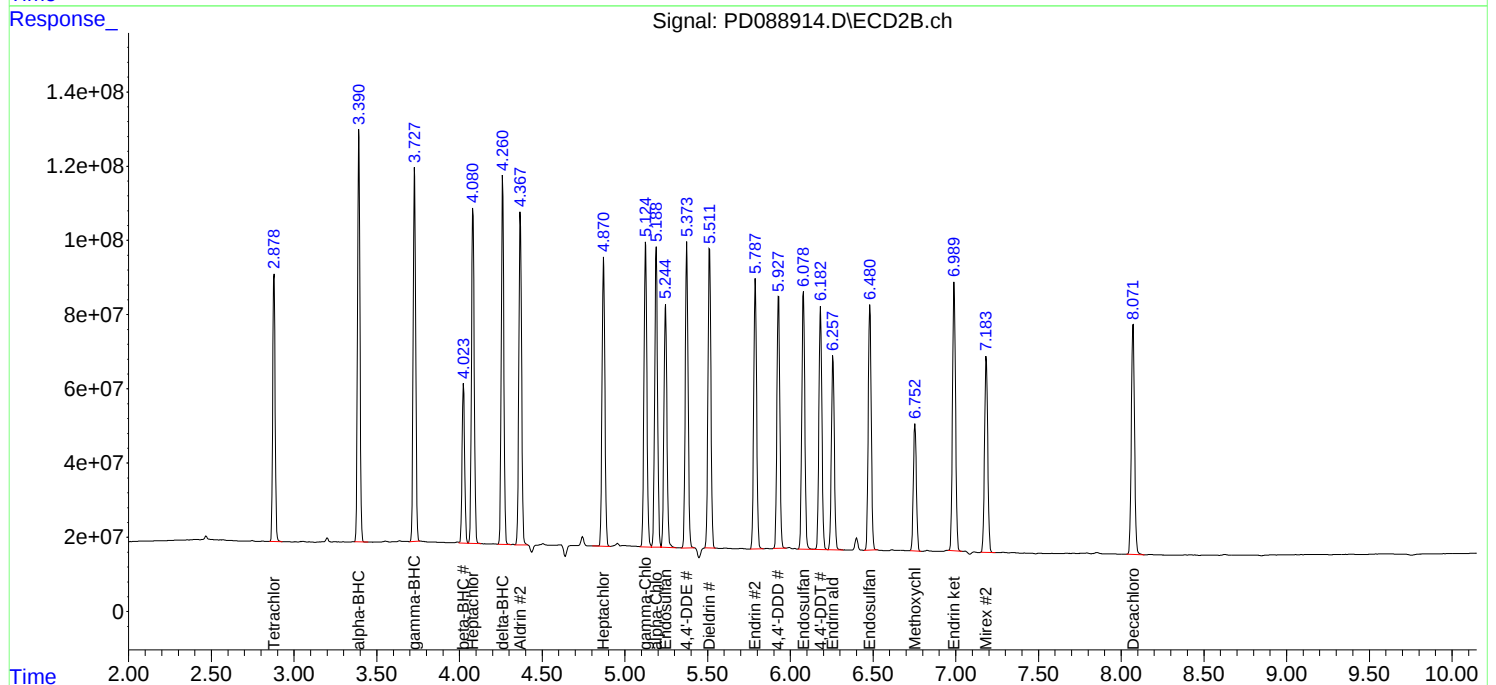
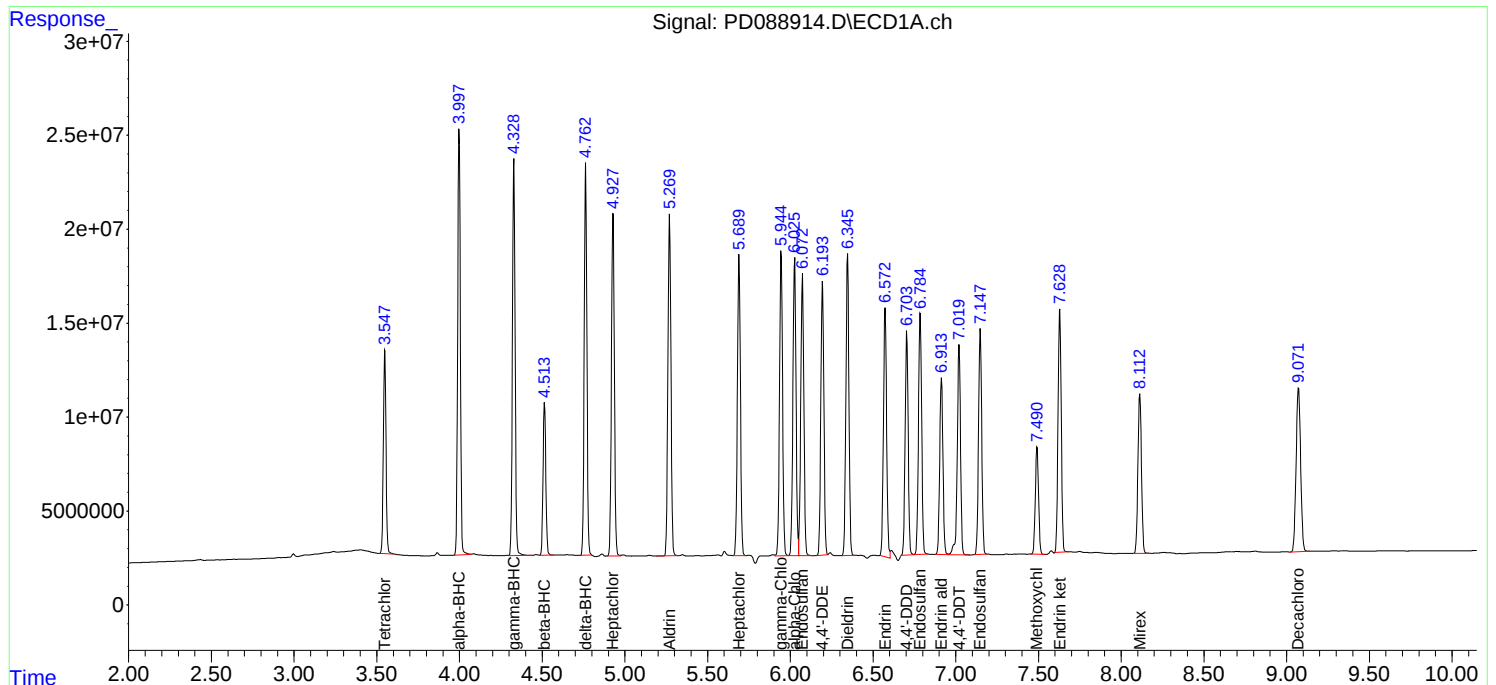
APPROVED

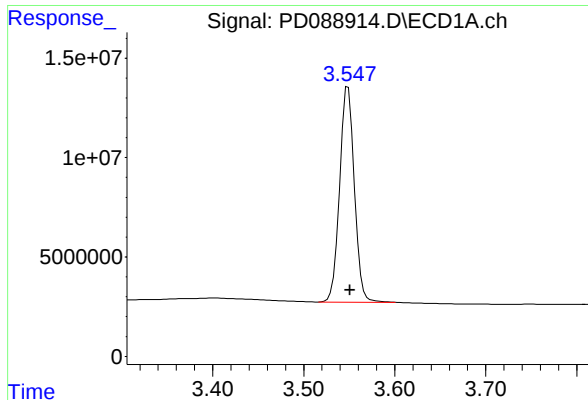
Reviewed By :Abdul Mirza 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 07:39:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: -0.002 min
Response: 121653433
Conc: 56.22 ng/ml

Instrument :

ECD_D

ClientSampleId :

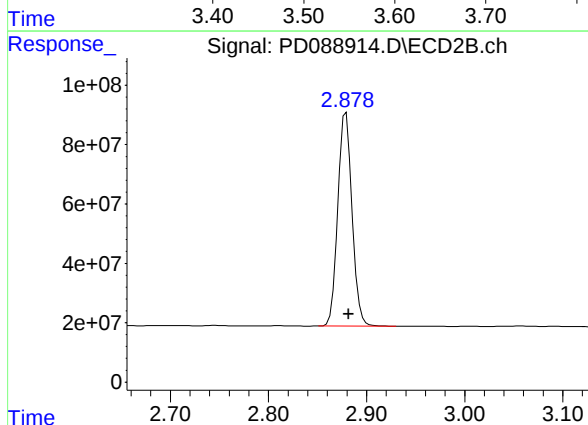
PSTDCCC050

Manual Integrations

APPROVED

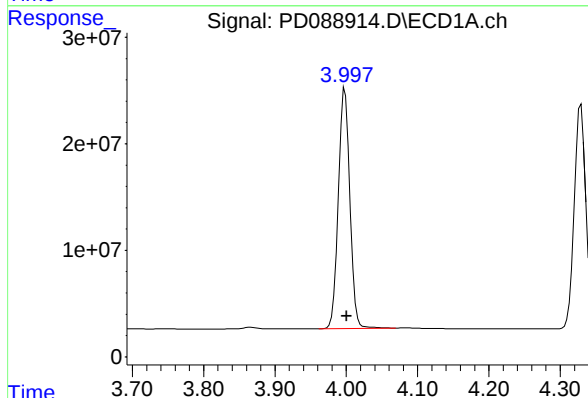
Reviewed By :Abdul Mirza 06/12/2025

Supervised By :mohammad ahmed 06/13/2025



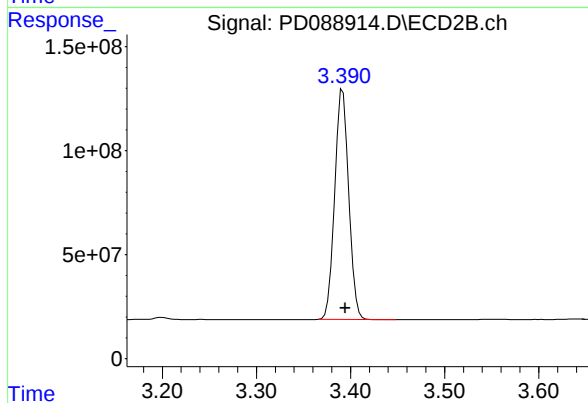
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.003 min
Response: 726030897
Conc: 48.00 ng/ml



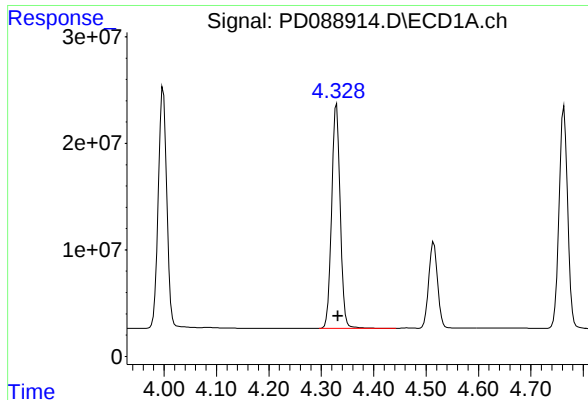
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.002 min
Response: 253772256
Conc: 53.13 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.003 min
Response: 1148657335
Conc: 48.05 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: -0.002 min
Response: 240992869
Conc: 52.36 ng/ml

Instrument :

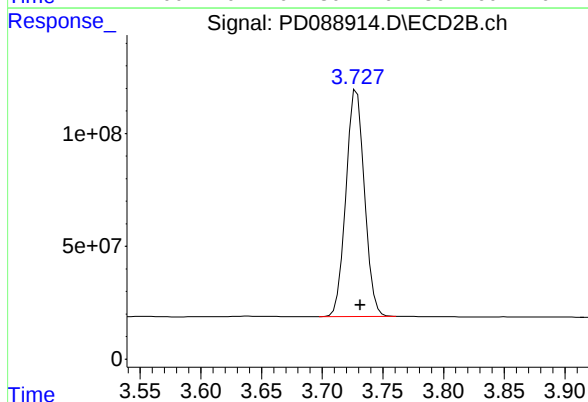
ECD_D

ClientSampleId :

PSTDCCC050

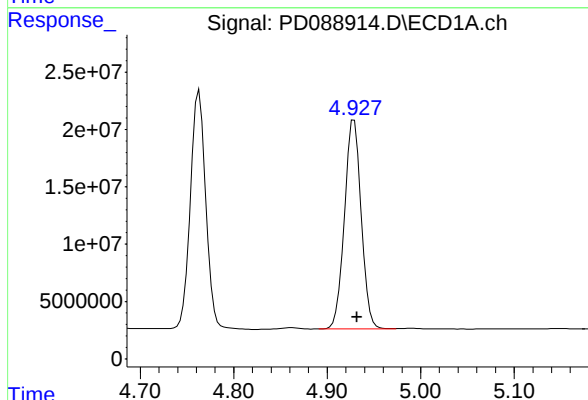
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



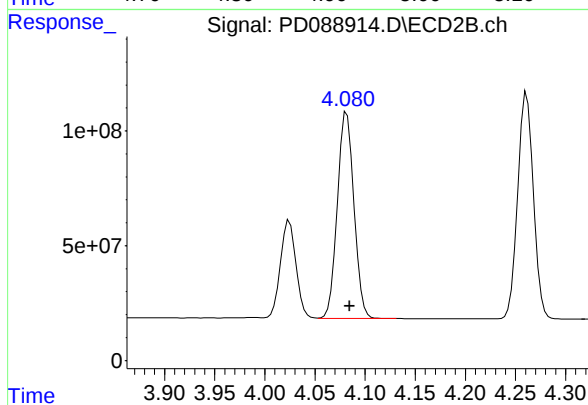
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.003 min
Response: 1065470861
Conc: 48.07 ng/ml



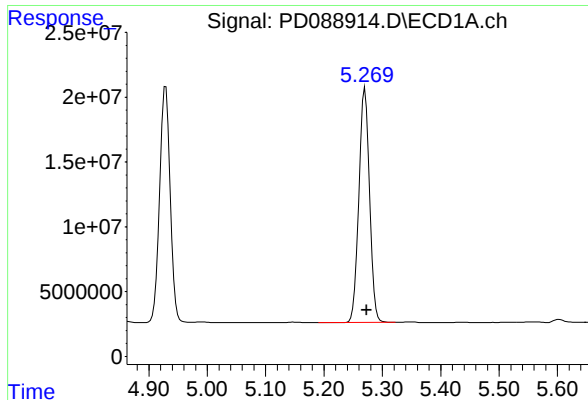
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: -0.003 min
Response: 227206092
Conc: 50.82 ng/ml



#4 Heptachlor

R.T.: 4.082 min
Delta R.T.: -0.003 min
Response: 1031222516
Conc: 45.92 ng/ml



#5 Aldrin

R.T.: 5.270 min
Delta R.T.: -0.003 min
Response: 230097543
Conc: 52.36 ng/ml

Instrument :

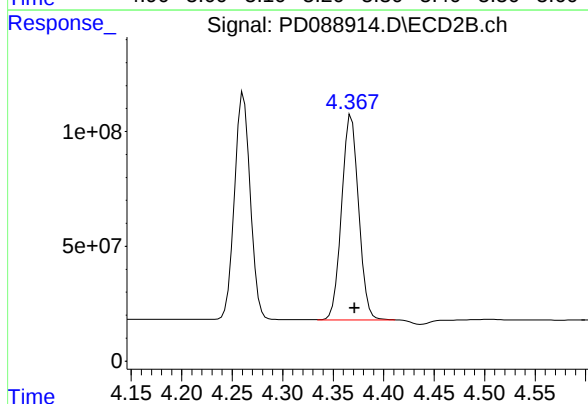
ECD_D

ClientSampleId :

PSTDCCC050

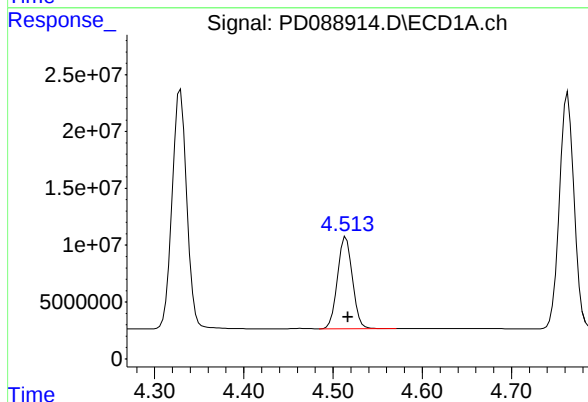
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



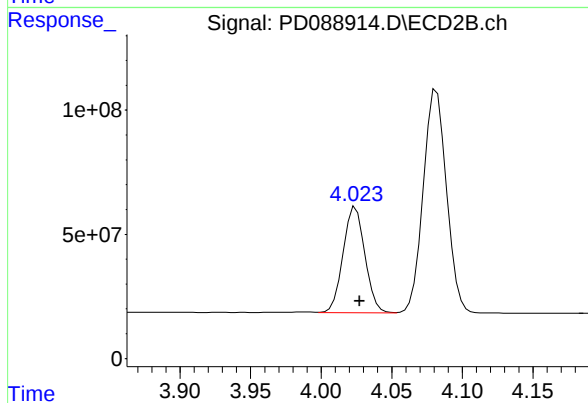
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: -0.005 min
Response: 1048445927
Conc: 47.81 ng/ml



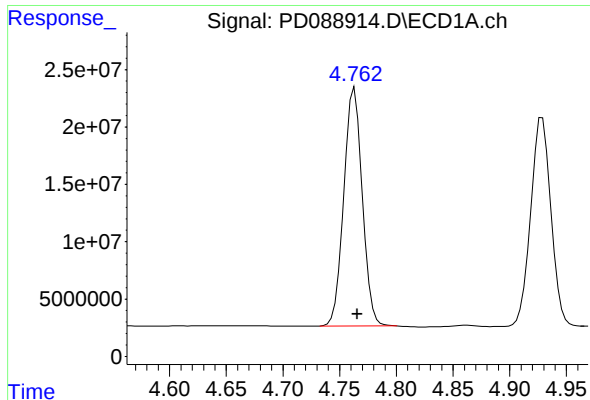
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: -0.002 min
Response: 94076778
Conc: 52.17 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: -0.003 min
Response: 458503408
Conc: 47.07 ng/ml



#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: -0.003 min
Response: 235263036
Conc: 55.67 ng/ml

Instrument :

ECD_D

ClientSampleId :

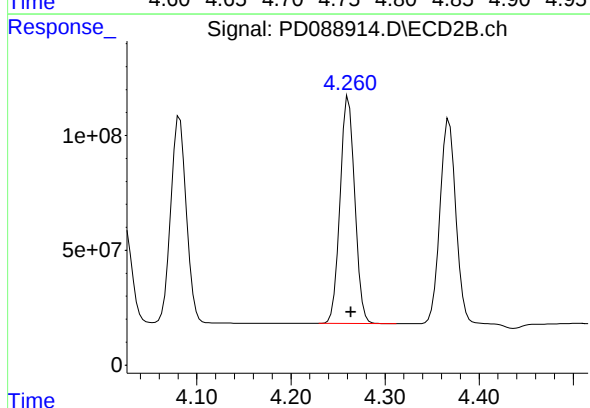
PSTDCCC050

Manual Integrations

APPROVED

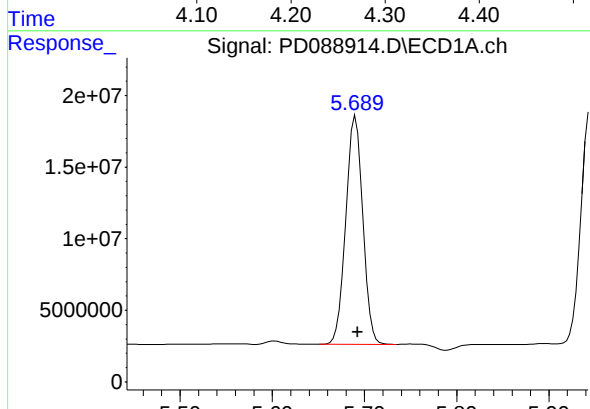
Reviewed By :Abdul Mirza 06/12/2025

Supervised By :mohammad ahmed 06/13/2025



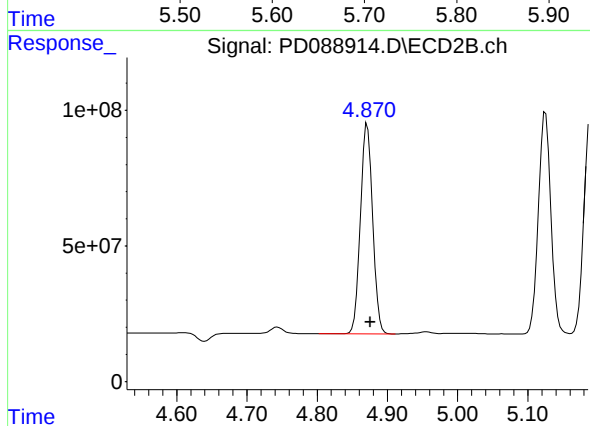
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.003 min
Response: 1074195528
Conc: 48.18 ng/ml



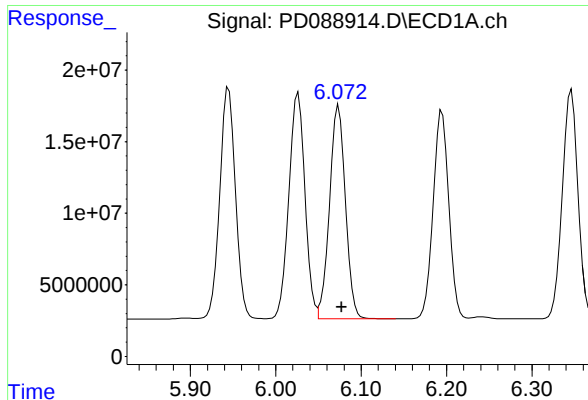
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: -0.002 min
Response: 204076020
Conc: 51.41 ng/ml



#8 Heptachlor epoxide

R.T.: 4.871 min
Delta R.T.: -0.004 min
Response: 943479024
Conc: 47.48 ng/ml



#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: -0.003 min
Response: 193009276
Conc: 51.29 ng/ml

Instrument :

ECD_D

ClientSampleId :

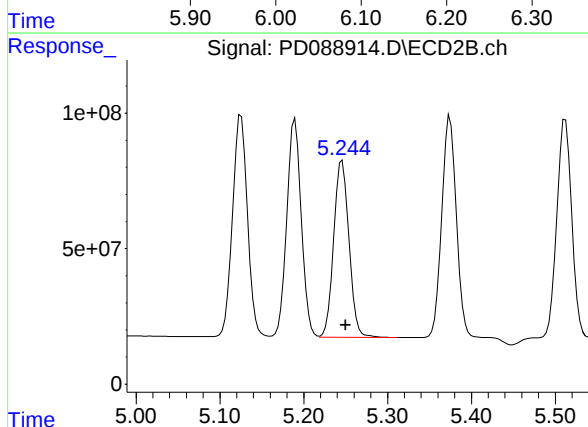
PSTDCCC050

Manual Integrations

APPROVED

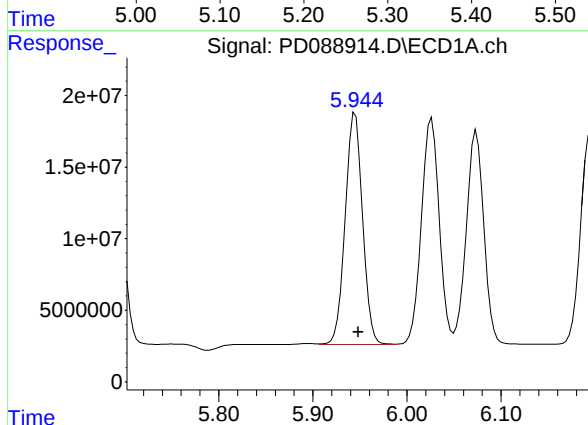
Reviewed By :Abdul Mirza 06/12/2025

Supervised By :mohammad ahmed 06/13/2025



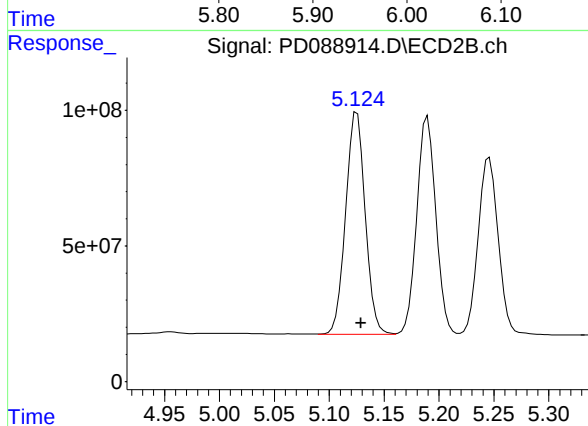
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: -0.004 min
Response: 829343713
Conc: 43.70 ng/ml



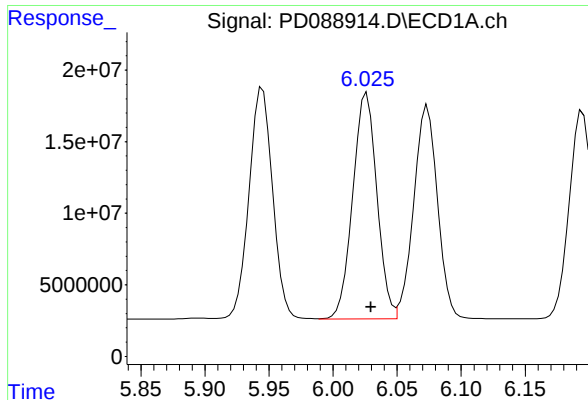
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: -0.003 min
Response: 207569042
Conc: 52.04 ng/ml



#10 gamma-Chlordane

R.T.: 5.125 min
Delta R.T.: -0.004 min
Response: 1015528697
Conc: 47.61 ng/ml



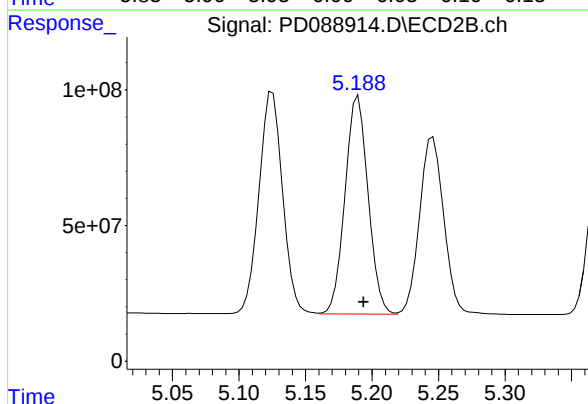
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: -0.003 min
Response: 207205376
Conc: 51.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

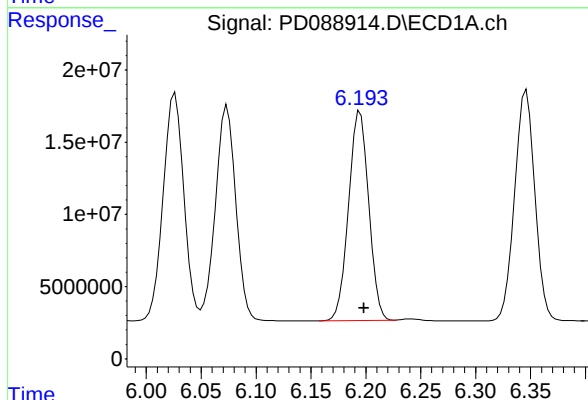
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



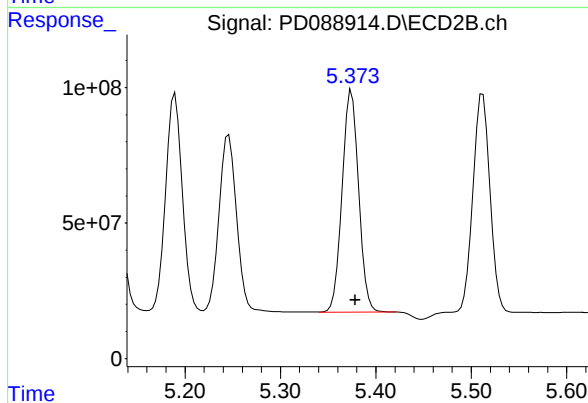
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: -0.004 min
Response: 972855462
Conc: 47.17 ng/ml



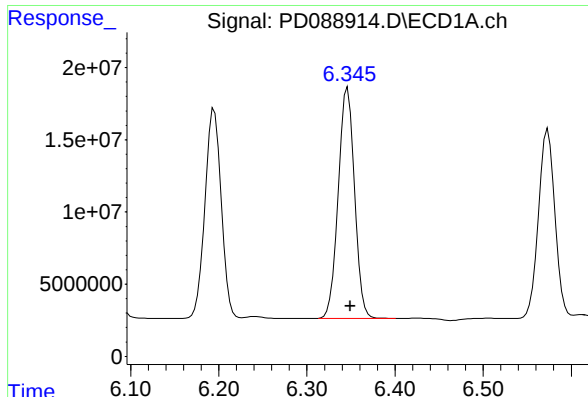
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: -0.003 min
Response: 185267492
Conc: 51.62 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.005 min
Response: 988761833
Conc: 47.30 ng/ml m



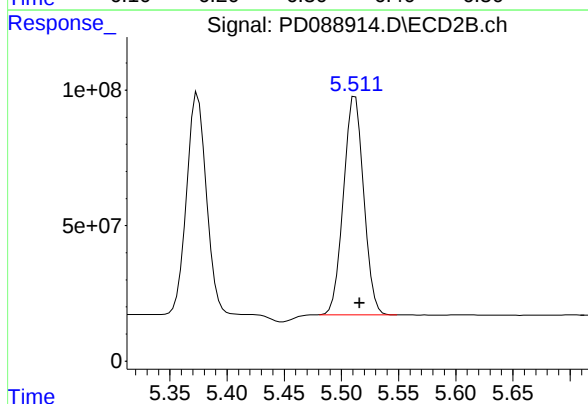
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: -0.003 min
Response: 205185318
Conc: 51.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

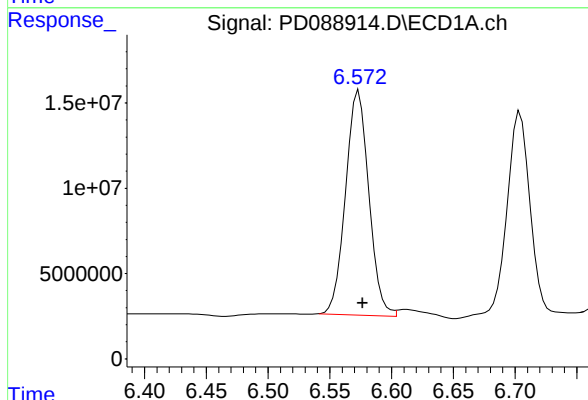
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



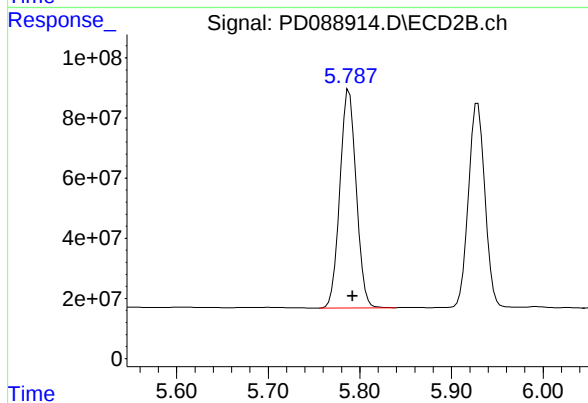
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: -0.004 min
Response: 996994885
Conc: 47.38 ng/ml



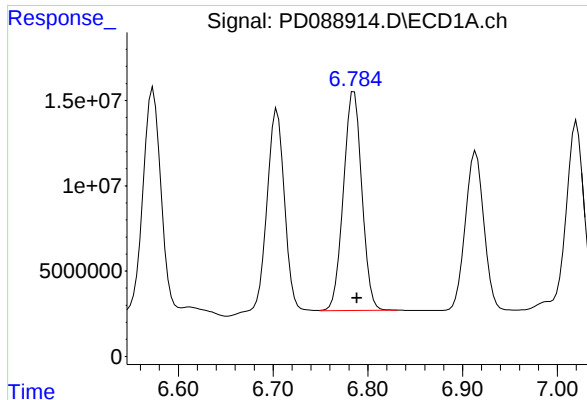
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.003 min
Response: 173101367
Conc: 50.69 ng/ml



#14 Endrin

R.T.: 5.788 min
Delta R.T.: -0.004 min
Response: 902332236
Conc: 46.79 ng/ml



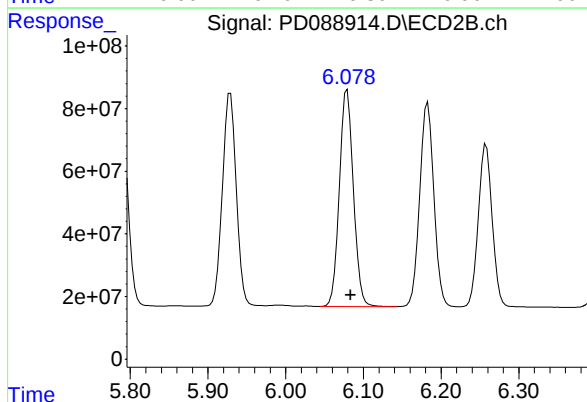
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: -0.003 min
Response: 173510728
Conc: 50.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

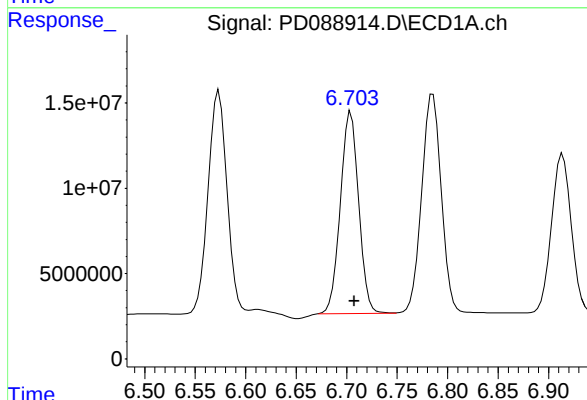
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



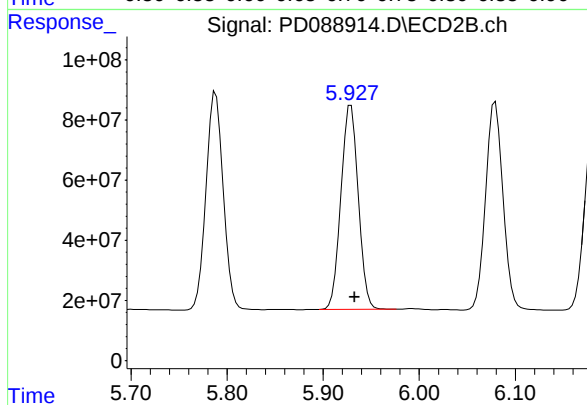
#15 Endosulfan II

R.T.: 6.079 min
Delta R.T.: -0.005 min
Response: 873512330
Conc: 47.68 ng/ml



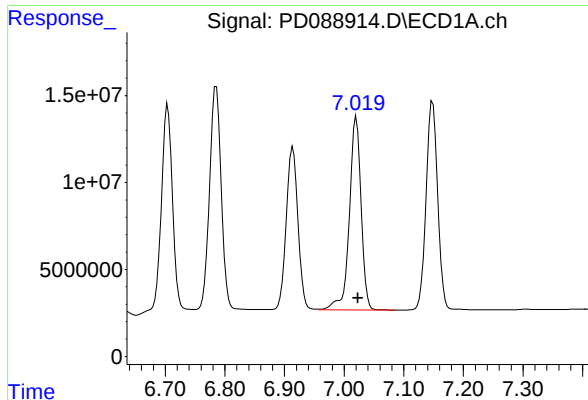
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.003 min
Response: 149645183
Conc: 53.73 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: -0.004 min
Response: 843875154
Conc: 48.52 ng/ml



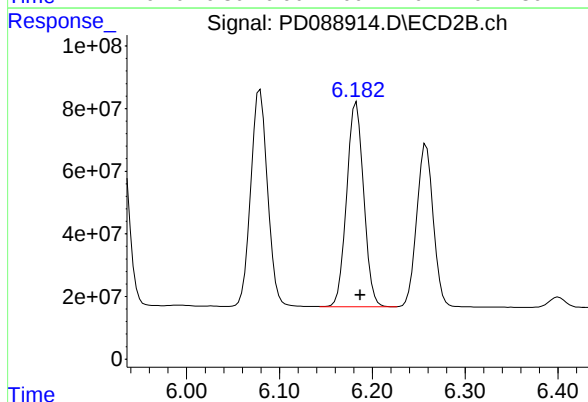
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 151419563
Conc: 48.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

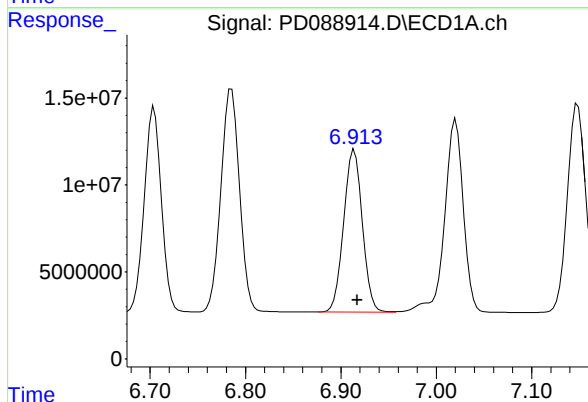
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



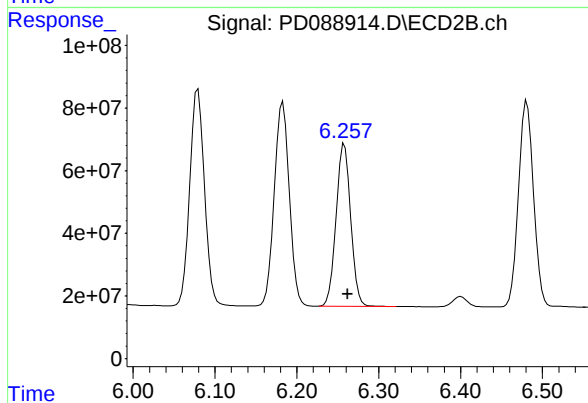
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.004 min
Response: 833082368
Conc: 45.93 ng/ml



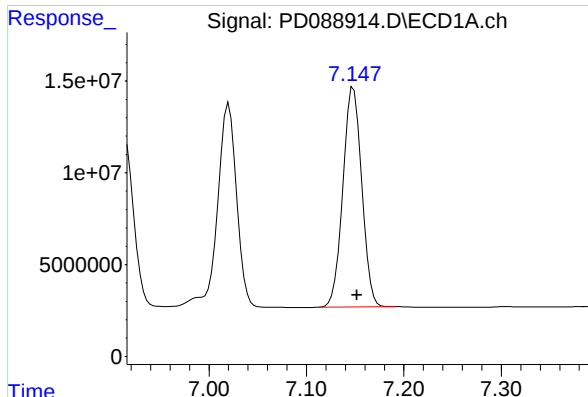
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: -0.003 min
Response: 127688672
Conc: 49.60 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: -0.004 min
Response: 645198143
Conc: 46.32 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: -0.003 min
Response: 160872738
Conc: 50.22 ng/ml

Instrument :

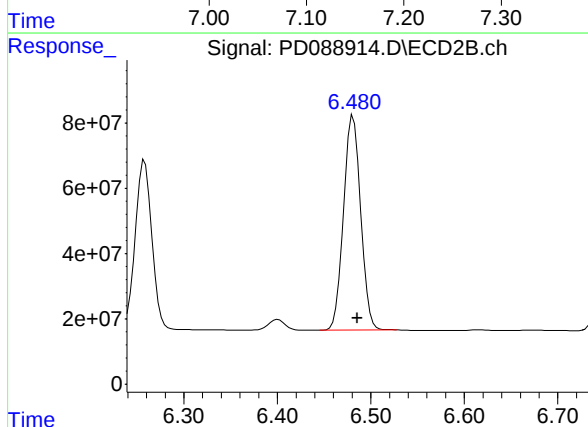
ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



#19 Endosulfan Sulfate

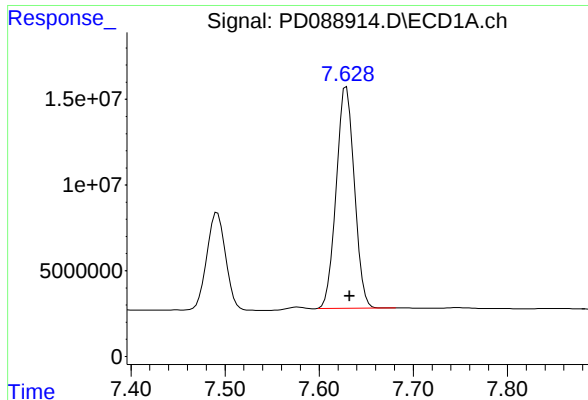
R.T.: 6.481 min
Delta R.T.: -0.005 min
Response: 838790533
Conc: 47.24 ng/ml

#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.003 min
Response: 78624657
Conc: 47.07 ng/ml

#20 Methoxychlor

R.T.: 6.754 min
Delta R.T.: -0.004 min
Response: 434777978
Conc: 45.41 ng/ml



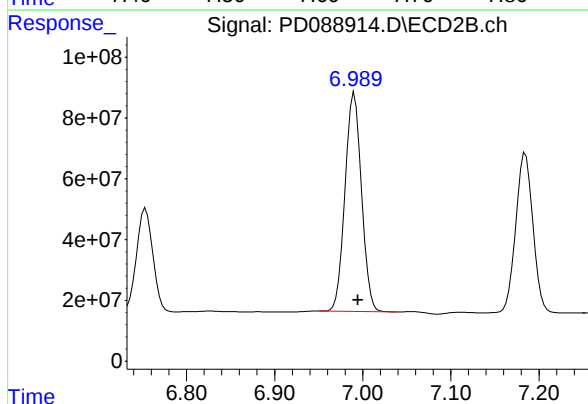
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: -0.004 min
Response: 173229537
Conc: 50.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

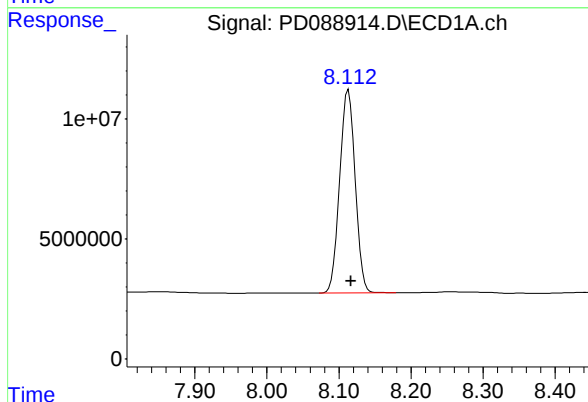
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



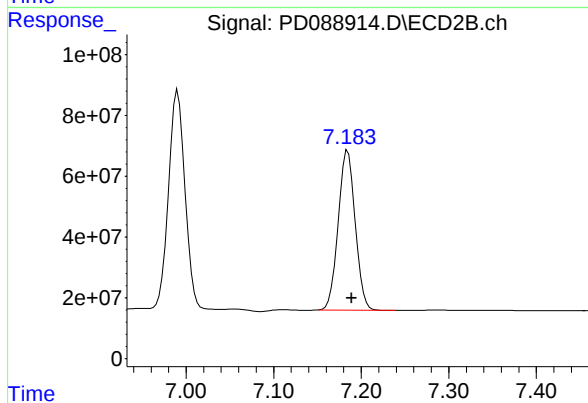
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.004 min
Response: 936636947
Conc: 48.41 ng/ml



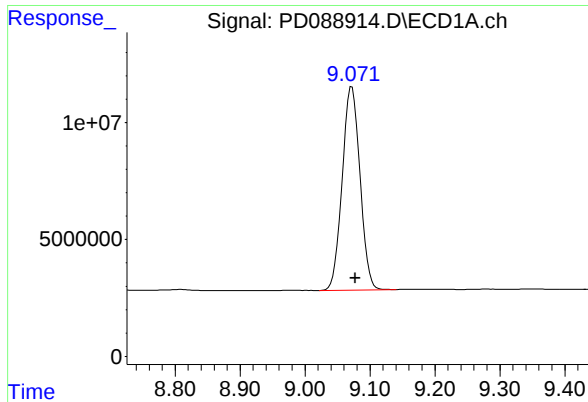
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.004 min
Response: 126385191
Conc: 48.64 ng/ml



#22 Mirex

R.T.: 7.185 min
Delta R.T.: -0.004 min
Response: 710934143
Conc: 46.76 ng/ml



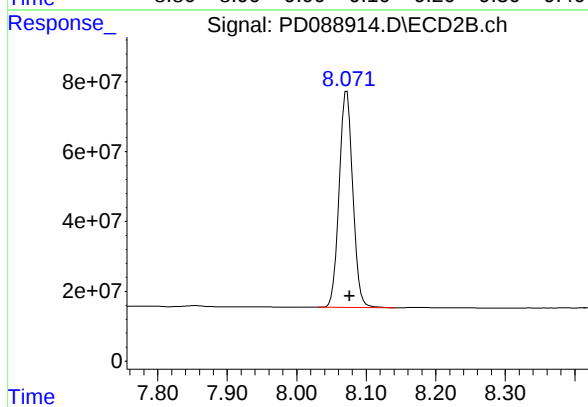
#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.005 min
Response: 165739868
Conc: 48.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: -0.004 min
Response: 844422032
Conc: 46.25 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No. (PEM): PEM - PD088584.D Date Analyzed: 05/19/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:04

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.076	8.980	9.180	21.510	20.000	7.6
Tetrachloro-m-xylene	3.550	3.500	3.600	19.960	20.000	-0.2
alpha-BHC	3.999	3.950	4.050	9.120	10.000	-8.8
beta-BHC	4.516	4.470	4.570	10.260	10.000	2.6
gamma-BHC (Lindane)	4.331	4.280	4.380	9.460	10.000	-5.4
Endrin	6.576	6.510	6.650	50.860	50.000	1.7
4,4'-DDT	7.023	6.950	7.090	101.210	100.000	1.2
Methoxychlor	7.495	7.420	7.570	234.710	250.000	-6.1

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No. (PEM): PEM - PD088584.D Date Analyzed: 05/19/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:04

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.076	7.980	8.180	20.960	20.000	4.8
Tetrachloro-m-xylene	2.881	2.830	2.930	20.340	20.000	1.7
alpha-BHC	3.394	3.340	3.440	10.570	10.000	5.7
beta-BHC	4.027	3.980	4.080	10.990	10.000	9.9
gamma-BHC (Lindane)	3.731	3.680	3.780	10.670	10.000	6.7
Endrin	5.792	5.720	5.860	48.470	50.000	-3.1
4,4'-DDT	6.186	6.120	6.260	95.100	100.000	-4.9
Methoxychlor	6.757	6.690	6.830	195.630	250.000	-21.7

Data File: PEM
Operator: PD088584.D **Date Acquired** 5/19/2025 11:04
 AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.58	173685081.8	175498963.3	1813881.45	1.03
Endrin aldehyde	6.92	496243.147			
Endrin ketone	7.63	1317638.301			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	934754801	952277943.5	17523142.5	1.84
Endrin aldehyde #2	6.26	8463657.028			
Endrin ketone #2	6.99	9059485.439			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	315976412.5	316568194.8	591782.32	0.19
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	591782.32			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.19	1724841287	1729650955	4809667.73	0.28
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.93	4809667.734			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
 Data File : PD088584.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 11:04
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/20/2025
 Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 14:00:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 13:57:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	43185677	307.7E6	19.959	20.343
2) SA Decachlor...	9.076	8.076	73616024	382.7E6	21.510	20.961
Target Compounds						
2) A alpha-BHC	3.999	3.394	43541198	252.7E6	9.116	10.572
3) MA gamma-BHC...	4.331	3.731	43519433	236.4E6	9.455	10.667
6) B beta-BHC	4.516	4.027	18494243	107.0E6	10.257	10.988
14) MA Endrin	6.576	5.792	173.7E6	934.8E6	50.857	48.473
16) A 4,4'-DDD	6.705	5.935	591782	4809668	0.212m	0.277m#
17) MA 4,4'-DDT	7.023	6.186	316.0E6	1724.8E6	101.208	95.099
18) B Endrin al...	6.919	6.258	496243	8463657	0.193m	0.608m#
20) A Methoxychlor	7.495	6.757	392.1E6	1873.1E6	234.711	195.632
21) B Endrin ke...	7.631	6.992	1317638	9059485	0.385m	0.468m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088584.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:04
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PEM

Manual Integrations

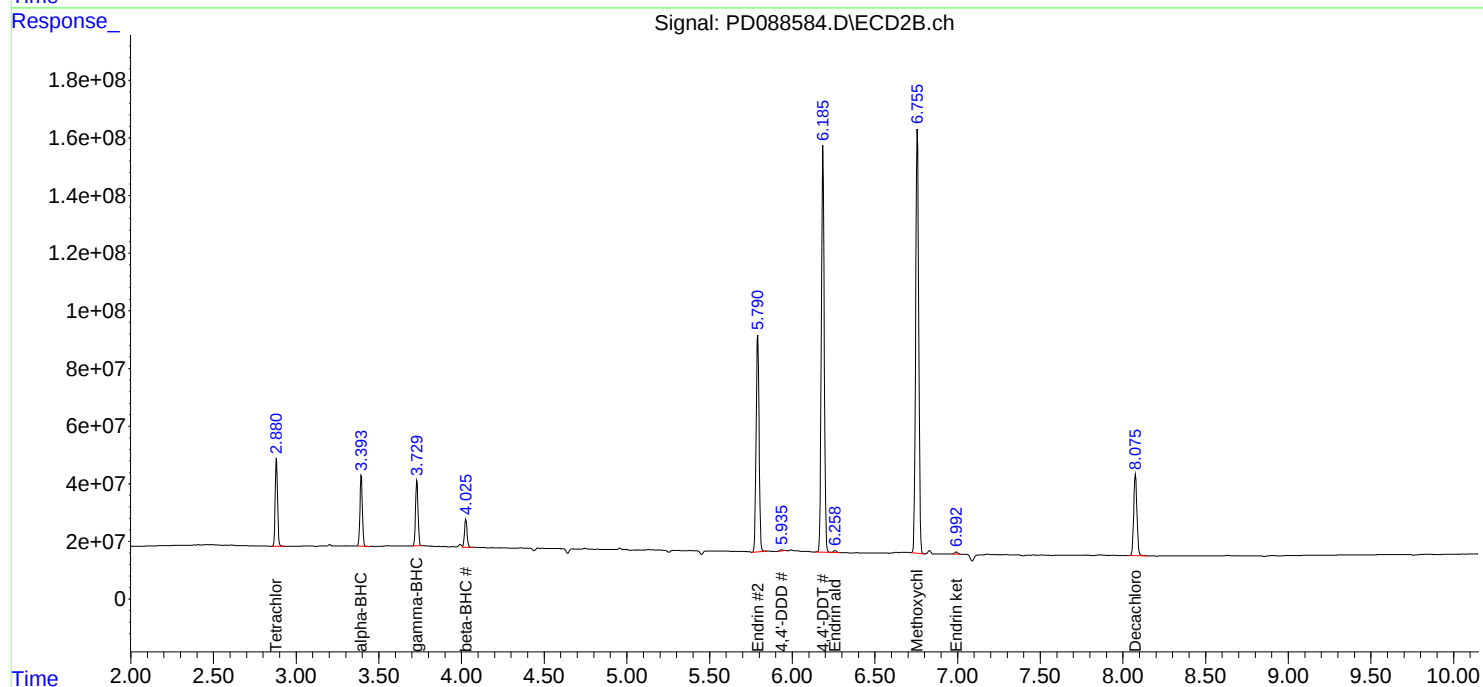
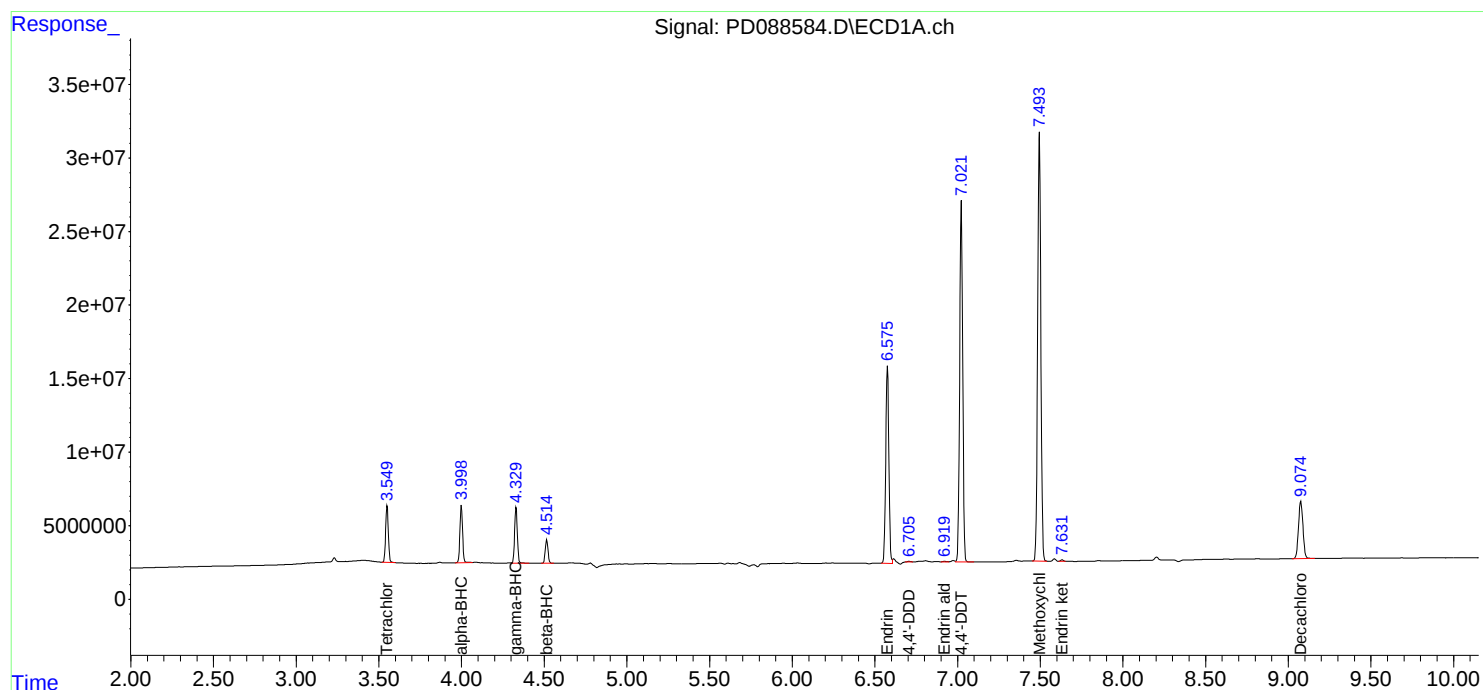
APPROVED

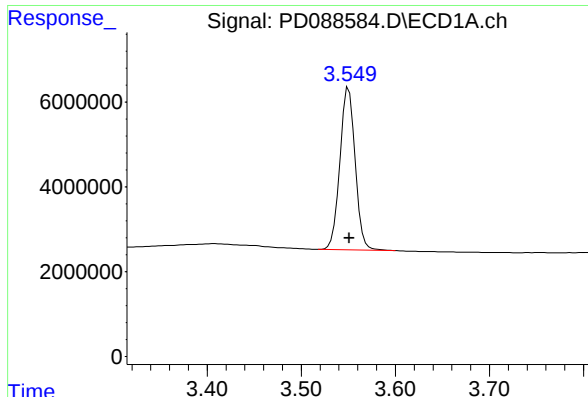
Reviewed By :Abdul Mirza 05/20/2025

Supervised By :mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:00:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 13:57:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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





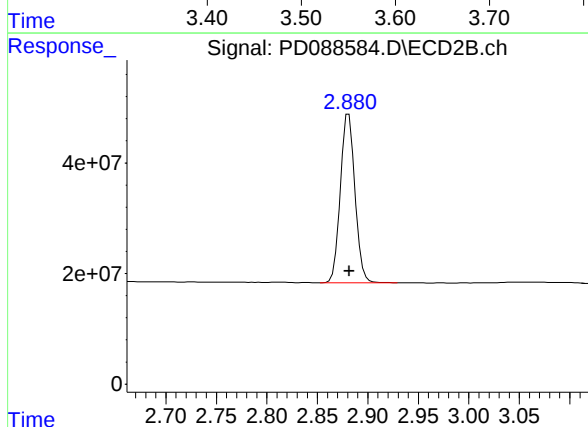
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 43185677
Conc: 19.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

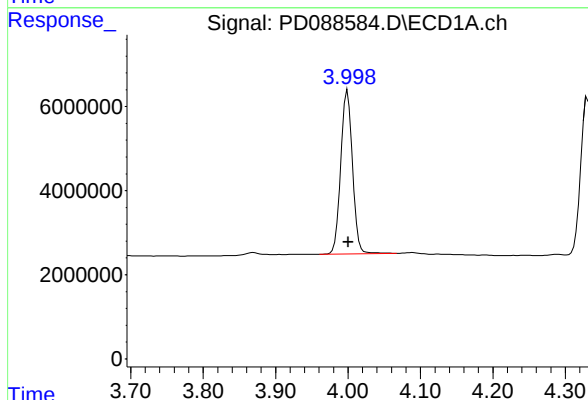
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



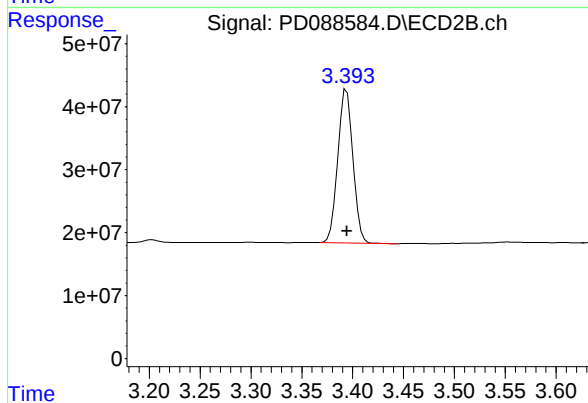
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 307731812
Conc: 20.34 ng/ml



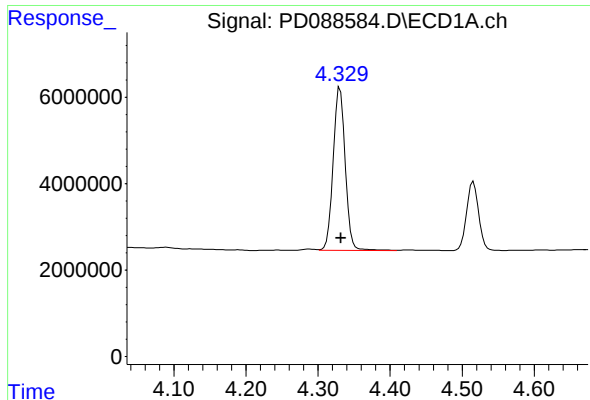
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: -0.001 min
Response: 43541198
Conc: 9.12 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 252707737
Conc: 10.57 ng/ml



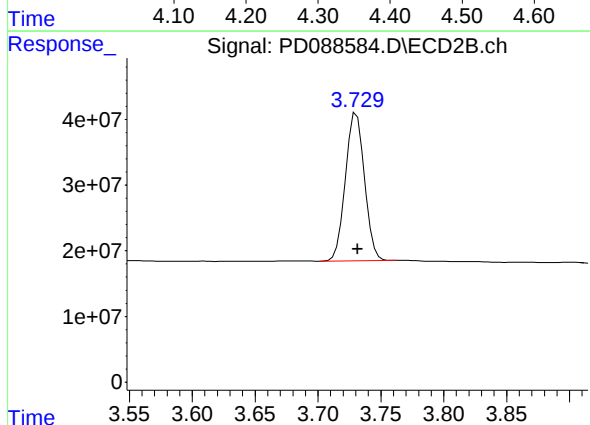
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: -0.001 min
Response: 43519433
Conc: 9.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

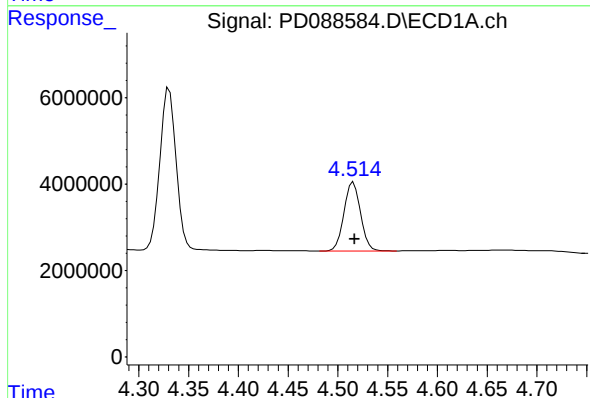
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



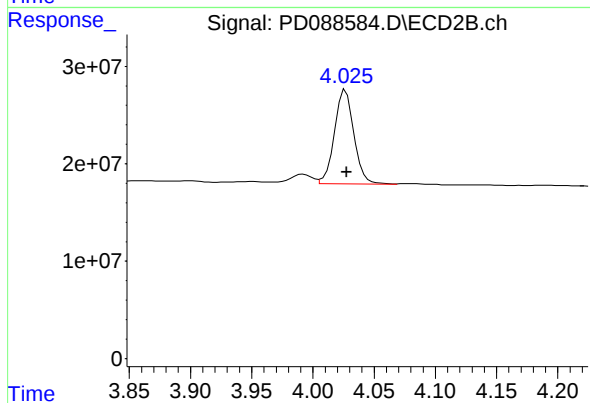
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.000 min
Response: 236443252
Conc: 10.67 ng/ml



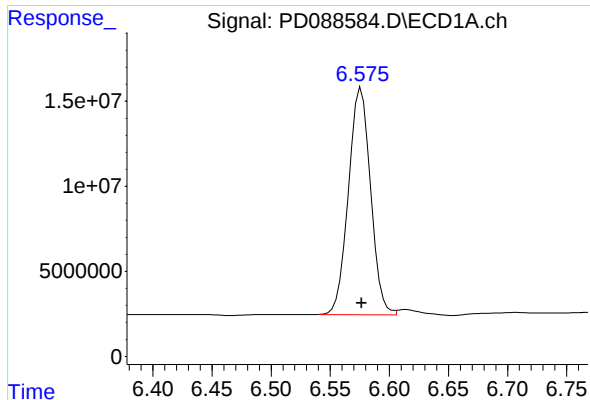
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: -0.001 min
Response: 18494243
Conc: 10.26 ng/ml



#6 beta-BHC

R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 107044796
Conc: 10.99 ng/ml



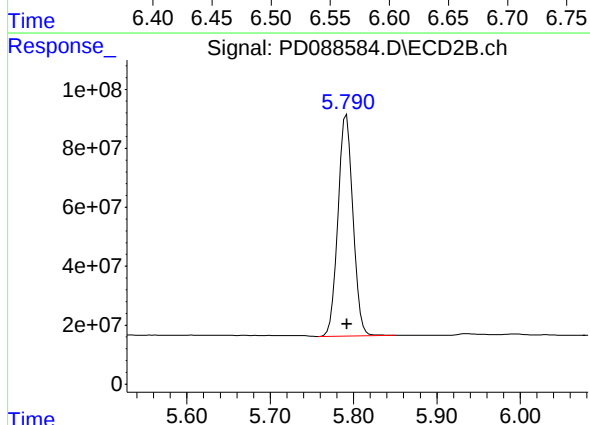
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 173685082
Conc: 50.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

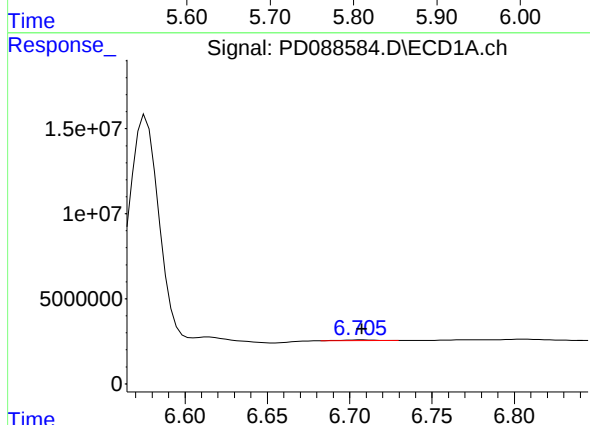
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



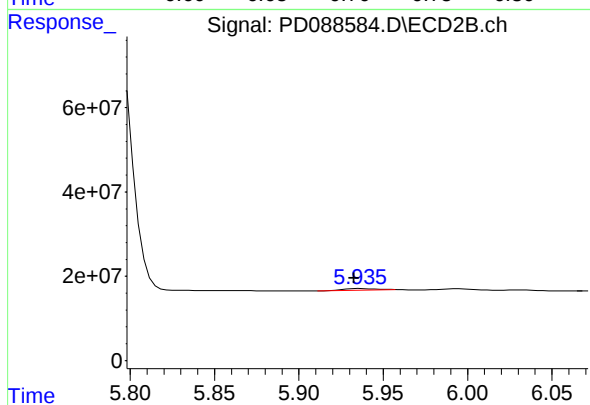
#14 Endrin

R.T.: 5.792 min
Delta R.T.: 0.000 min
Response: 934754801
Conc: 48.47 ng/ml



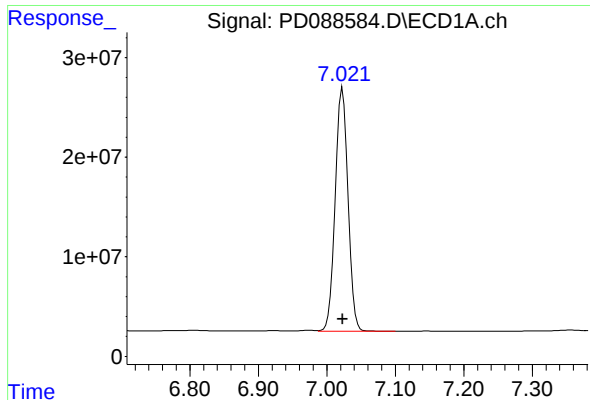
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: -0.003 min
Response: 591782
Conc: 0.21 ng/ml m



#16 4,4'-DDD

R.T.: 5.935 min
Delta R.T.: 0.002 min
Response: 4809668
Conc: 0.28 ng/ml m



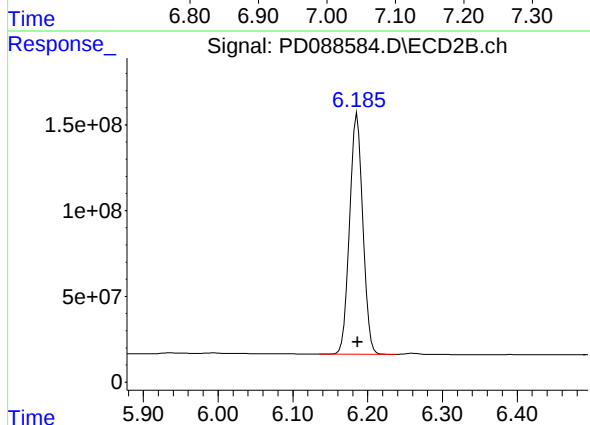
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 315976412
Conc: 101.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

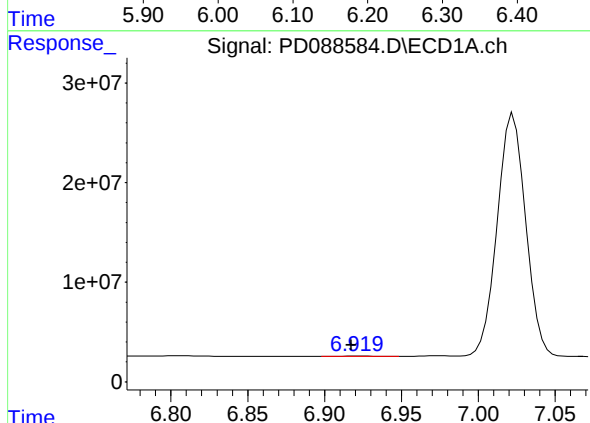
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



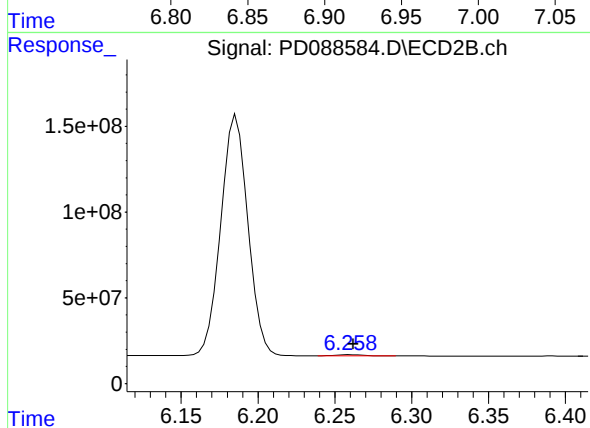
#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: 0.000 min
Response: 1724841287
Conc: 95.10 ng/ml



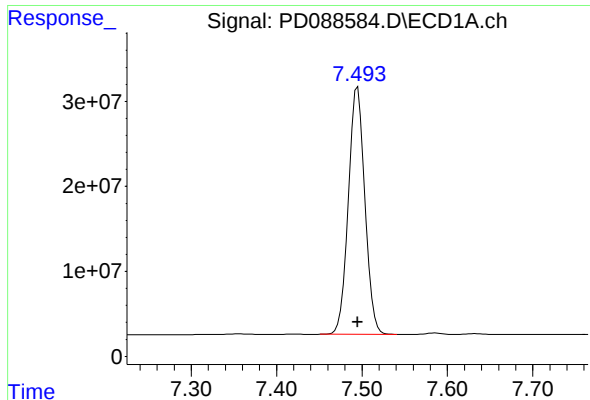
#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: 0.002 min
Response: 496243
Conc: 0.19 ng/ml m



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: -0.004 min
Response: 8463657
Conc: 0.61 ng/ml m



#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 392097860
Conc: 234.71 ng/ml

Instrument :

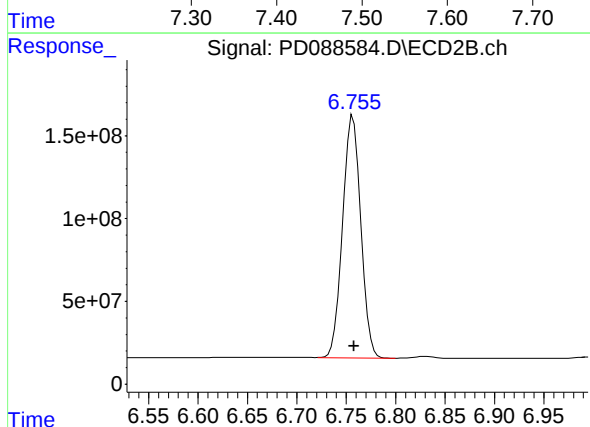
ECD_D

ClientSampleId :

PEM

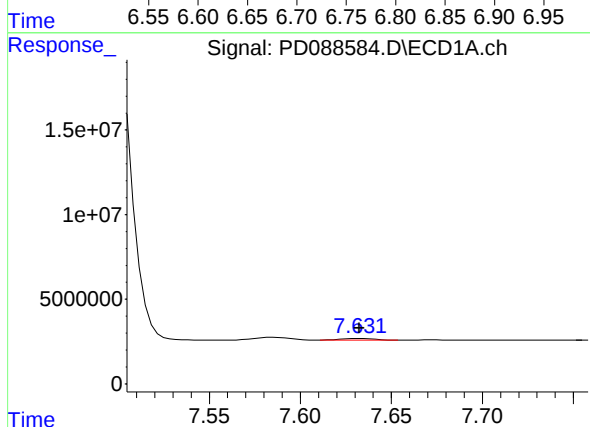
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



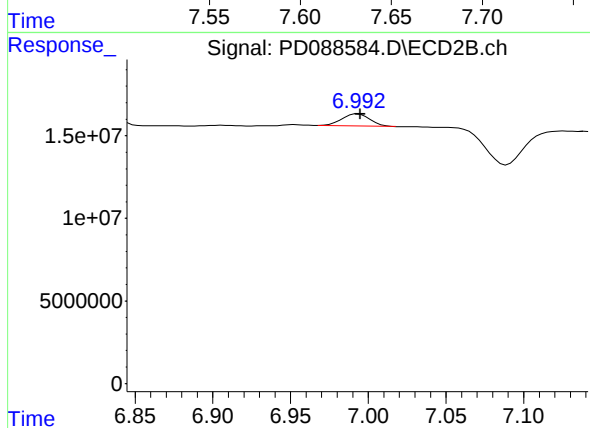
#20 Methoxychlor

R.T.: 6.757 min
Delta R.T.: -0.001 min
Response: 1873132344
Conc: 195.63 ng/ml



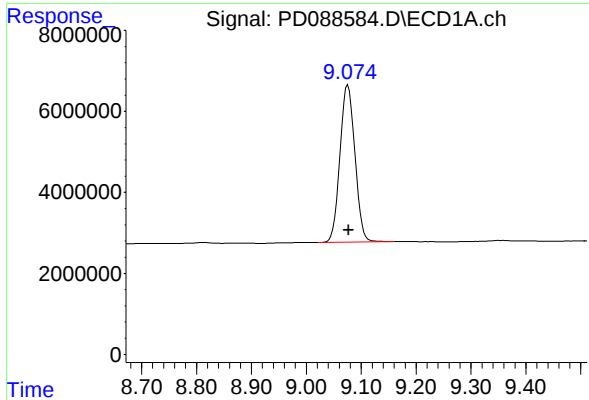
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: -0.001 min
Response: 1317638
Conc: 0.38 ng/ml m



#21 Endrin ketone

R.T.: 6.992 min
Delta R.T.: -0.003 min
Response: 9059485
Conc: 0.47 ng/ml m



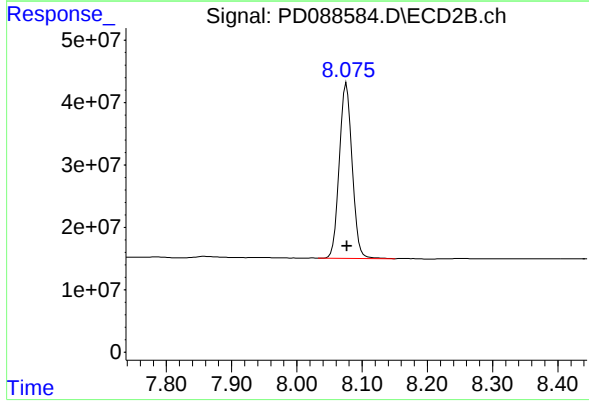
#28 Decachlorobiphenyl

R.T.: 9.076 min
Delta R.T.: -0.002 min
Response: 73616024
Conc: 21.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/20/2025
Supervised By :mohammad ahmed 05/21/2025



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 382665210
Conc: 20.96 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **NOBI03**

Lab Code: **CHEM** Case No.: **Q2259** SAS No.: **Q2259** SDG NO.: **Q2259**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **05/19/2025** **05/19/2025**

Client Sample No. (PEM): **PEM - PD088854.D** Date Analyzed: **06/10/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **09:20**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.073	8.970	9.170	23.340	20.000	16.7
Tetrachloro-m-xylene	3.548	3.500	3.600	23.710	20.000	18.6
alpha-BHC	3.997	3.950	4.050	10.130	10.000	1.3
beta-BHC	4.514	4.460	4.560	11.440	10.000	14.4
gamma-BHC (Lindane)	4.328	4.280	4.380	10.390	10.000	3.9
Endrin	6.574	6.500	6.640	54.050	50.000	8.1
4,4'-DDT	7.021	6.950	7.090	109.290	100.000	9.3
Methoxychlor	7.493	7.420	7.560	250.640	250.000	0.3

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **05/19/2025** **05/19/2025**

Client Sample No. (PEM): **PEM - PD088854.D** Date Analyzed: **06/10/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **09:20**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.072	7.970	8.170	22.920	20.000	14.6
Tetrachloro-m-xylene	2.879	2.830	2.930	20.890	20.000	4.5
alpha-BHC	3.391	3.340	3.440	10.830	10.000	8.3
beta-BHC	4.024	3.970	4.070	10.990	10.000	9.9
gamma-BHC (Lindane)	3.728	3.680	3.780	10.900	10.000	9.0
Endrin	5.788	5.720	5.860	48.770	50.000	-2.5
4,4'-DDT	6.182	6.110	6.250	96.500	100.000	-3.5
Methoxychlor	6.753	6.680	6.820	193.720	250.000	-22.5

Data File: PEM
Operator: PD088854.D **Date Acquired** 6/10/2025 9:20
 AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	184586642.8	187775954.9	3189312.11	1.70
Endrin aldehyde	6.91	499701.336			
Endrin ketone	7.63	2689610.776			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	940560757.3	970245528.5	29684771.2	3.06
Endrin aldehyde #2	6.26	10063489.63			
Endrin ketone #2	6.99	19621281.55			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	341222777.8	344777938.6	3555160.82	1.03
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	3555160.822			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	1750194723	1773992158	23797434.8	1.34
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.93	23797434.79			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
 Data File : PD088854.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Jun 2025 09:20
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/11/2025
 Supervised By :mohammad ahmed 06/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 10 14:12:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.548	2.879	51310089	316.0E6	23.714	20.893
28) SA Decachlor...	9.073	8.072	79873105	418.4E6	23.339	22.917
Target Compounds						
2) A alpha-BHC	3.997	3.391	48363729	258.9E6	10.125	10.830
3) MA gamma-BHC...	4.328	3.728	47829753	241.6E6	10.392	10.900
6) B beta-BHC	4.514	4.024	20619526	107.1E6	11.435	10.991
14) MA Endrin	6.574	5.788	184.6E6	940.6E6	54.049	48.774
16) A 4,4'-DDD	6.704	5.929	3555161	23797435	1.276	1.368
17) MA 4,4'-DDT	7.021	6.182	341.2E6	1750.2E6	109.295	96.497
18) B Endrin al...	6.915	6.256	499701	10063490	0.194m	0.722 #
20) A Methoxychlor	7.493	6.753	418.7E6	1854.9E6	250.645	193.722
21) B Endrin ke...	7.628	6.990	2689611	19621282	0.786m	1.014 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
Data File : PD088854.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 09:20
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PEM

Manual Integrations

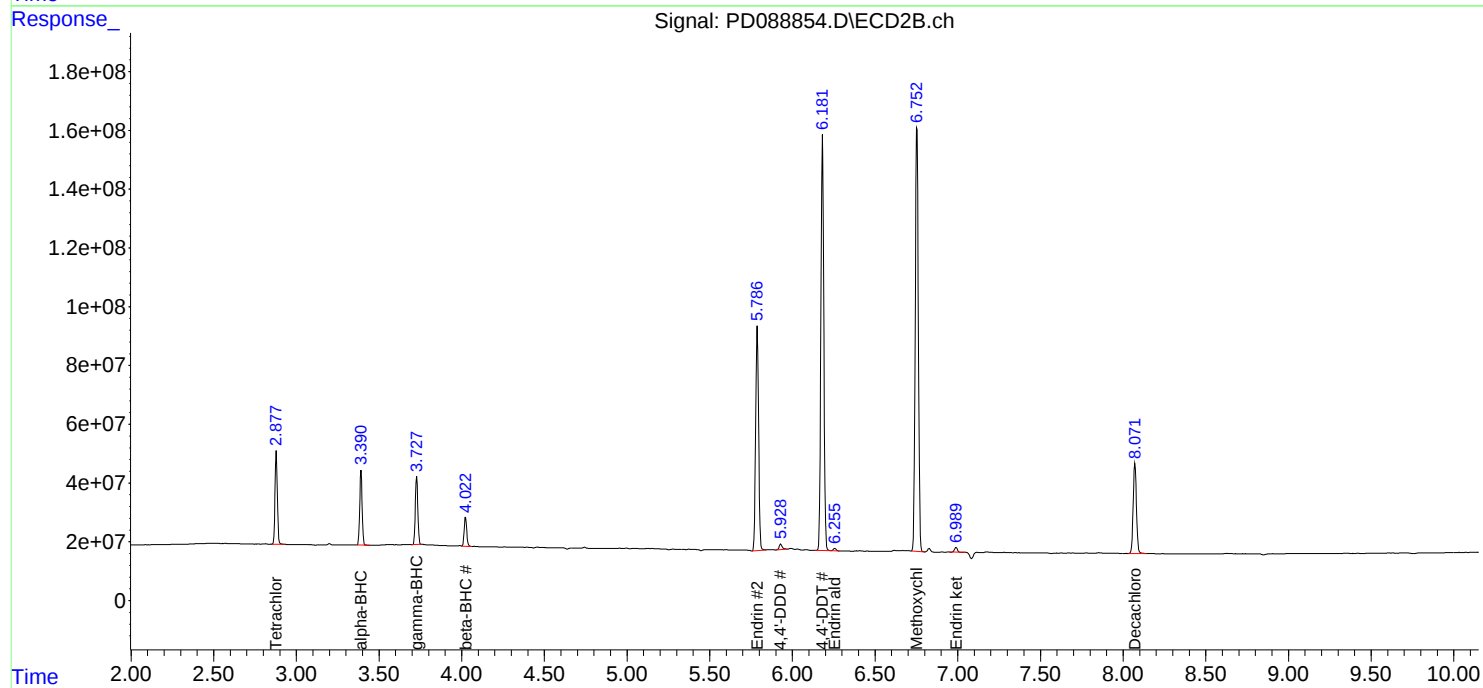
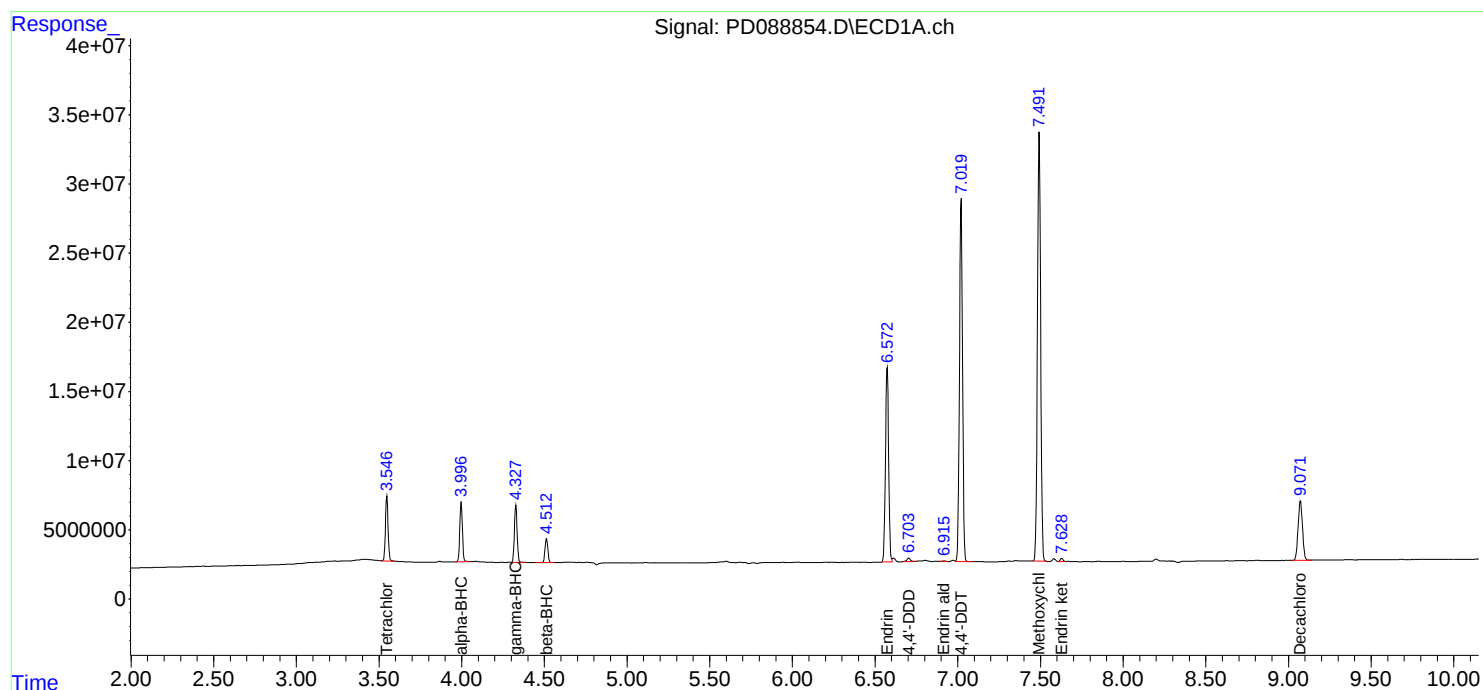
APPROVED

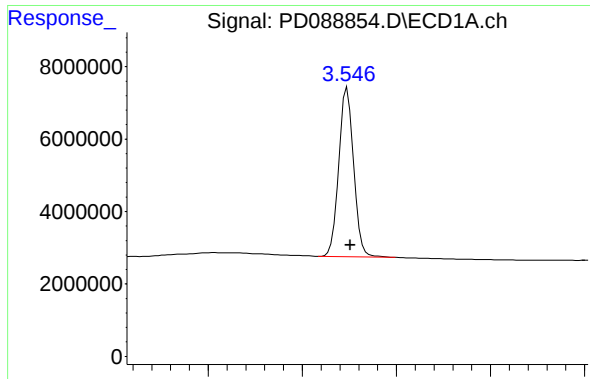
Reviewed By :Abdul Mirza 06/11/2025

Supervised By :mohammad ahmed 06/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 14:12:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





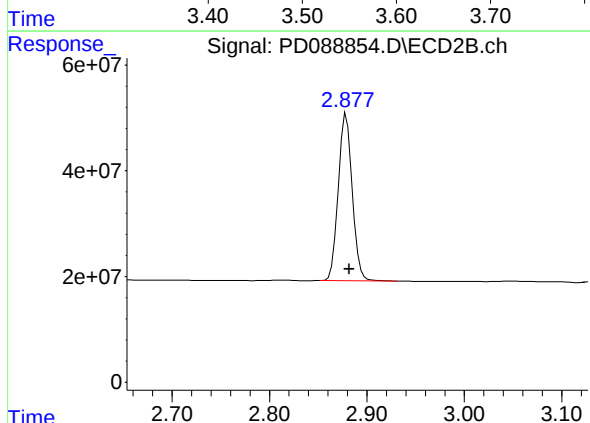
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: -0.003 min
Response: 51310089
Conc: 23.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

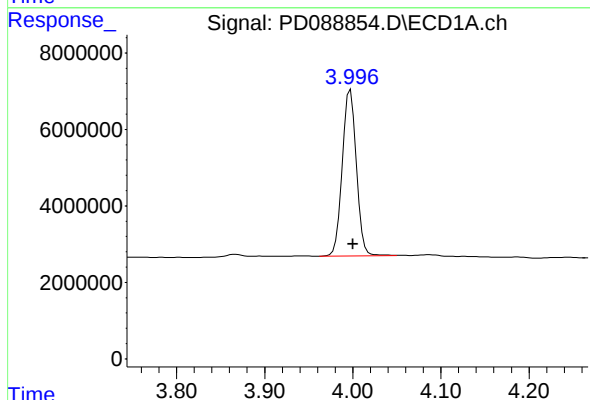
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/13/2025



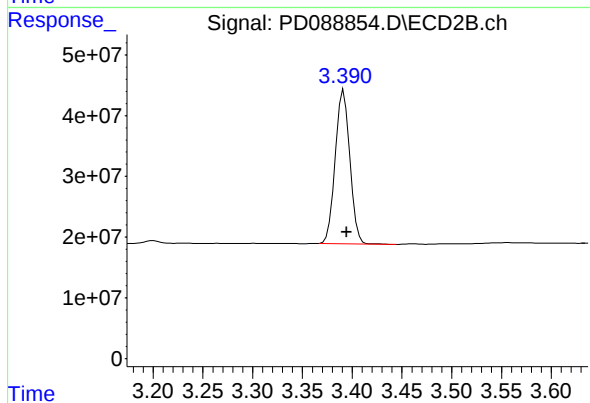
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.003 min
Response: 316039014
Conc: 20.89 ng/ml



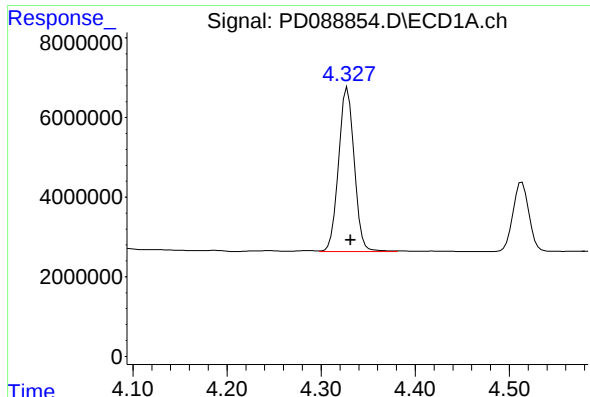
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: -0.003 min
Response: 48363729
Conc: 10.13 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: -0.003 min
Response: 258870530
Conc: 10.83 ng/ml



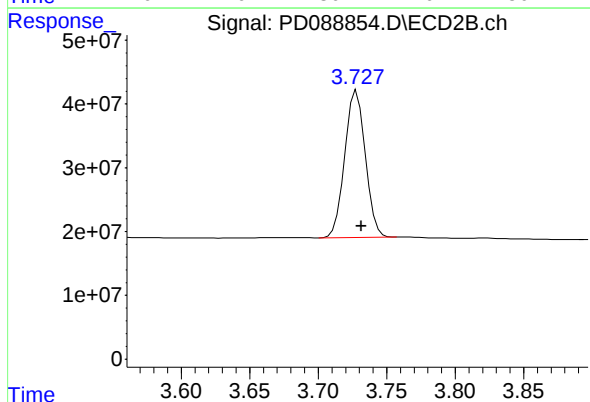
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: -0.003 min
Response: 47829753
Conc: 10.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

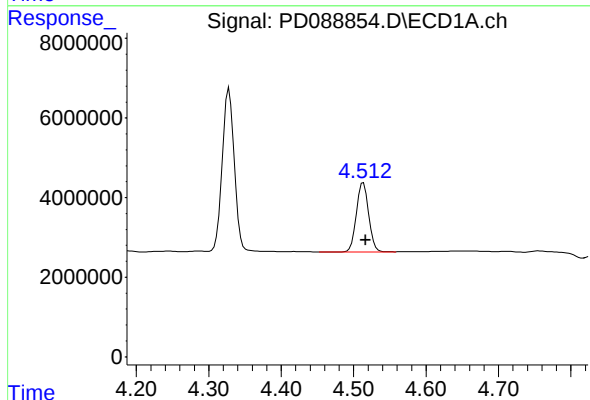
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/13/2025



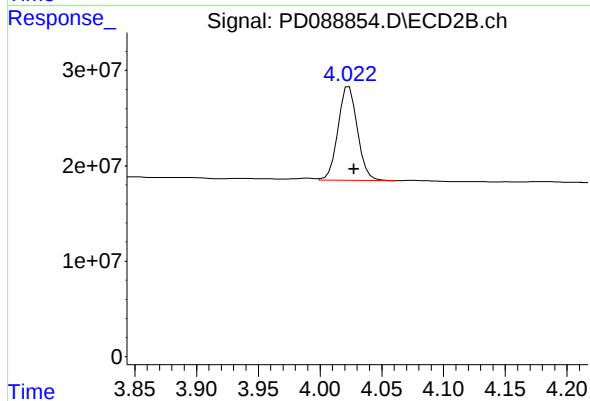
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.003 min
Response: 241612348
Conc: 10.90 ng/ml



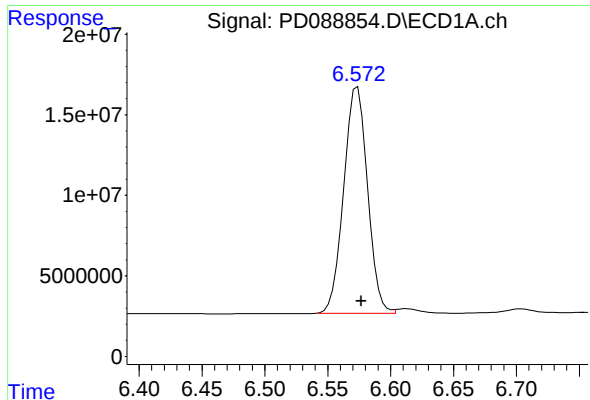
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.003 min
Response: 20619526
Conc: 11.44 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: -0.004 min
Response: 107076549
Conc: 10.99 ng/ml



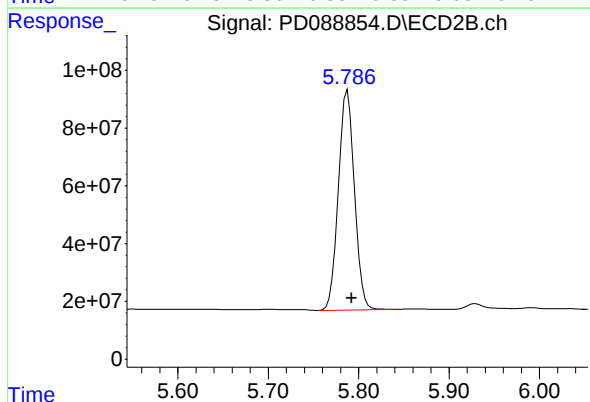
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.003 min
Response: 184586643
Conc: 54.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

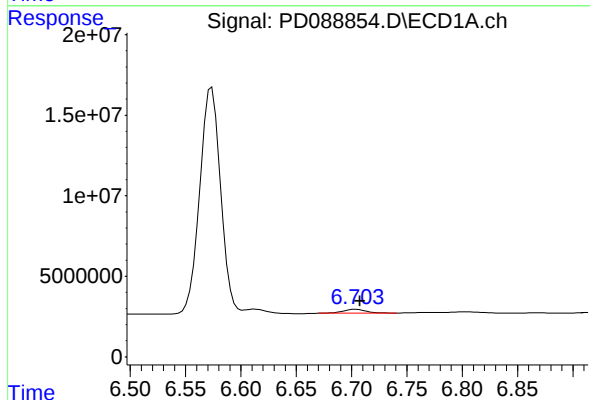
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/13/2025



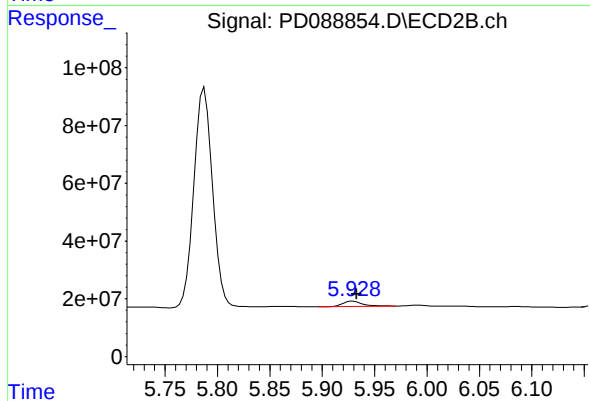
#14 Endrin

R.T.: 5.788 min
Delta R.T.: -0.005 min
Response: 940560757
Conc: 48.77 ng/ml



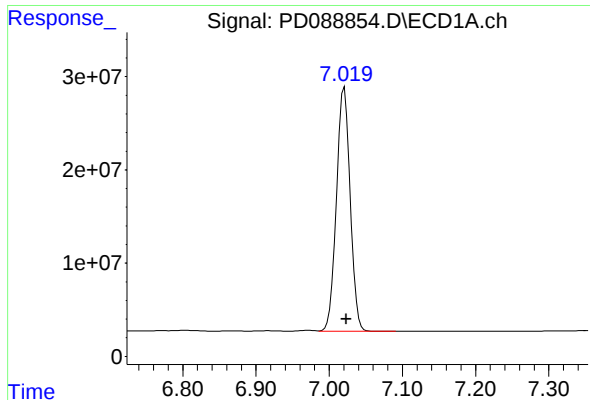
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.003 min
Response: 3555161
Conc: 1.28 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: -0.003 min
Response: 23797435
Conc: 1.37 ng/ml



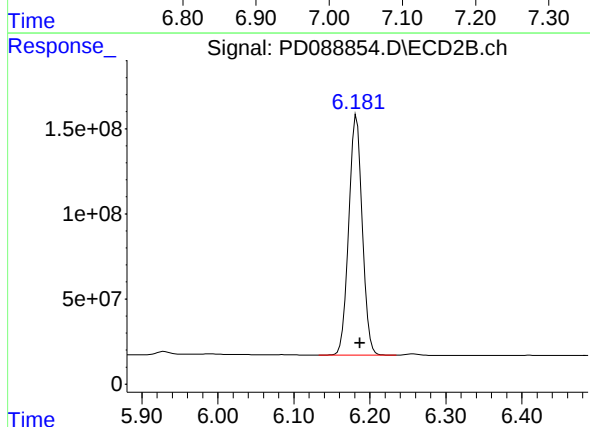
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.003 min
Response: 341222778
Conc: 109.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

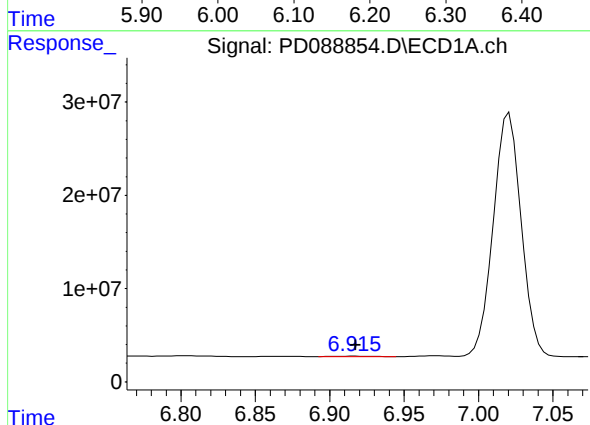
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/13/2025



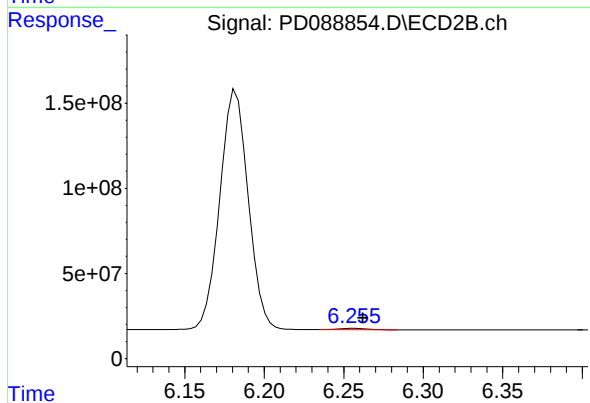
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.005 min
Response: 1750194723
Conc: 96.50 ng/ml



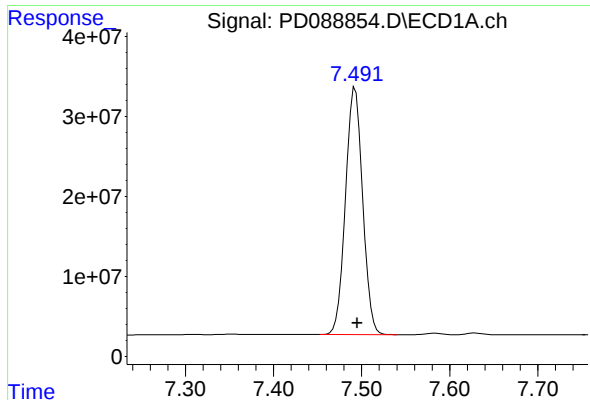
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: -0.003 min
Response: 499701
Conc: 0.19 ng/ml m



#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.006 min
Response: 10063490
Conc: 0.72 ng/ml



#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: -0.003 min
Response: 418715120
Conc: 250.64 ng/ml

Instrument :

ECD_D

ClientSampleId :

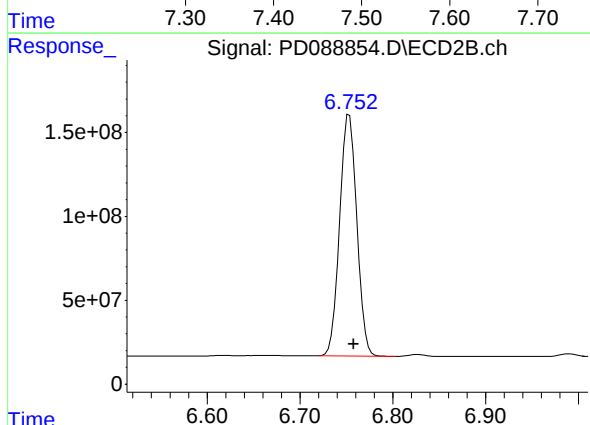
PEM

Manual Integrations

APPROVED

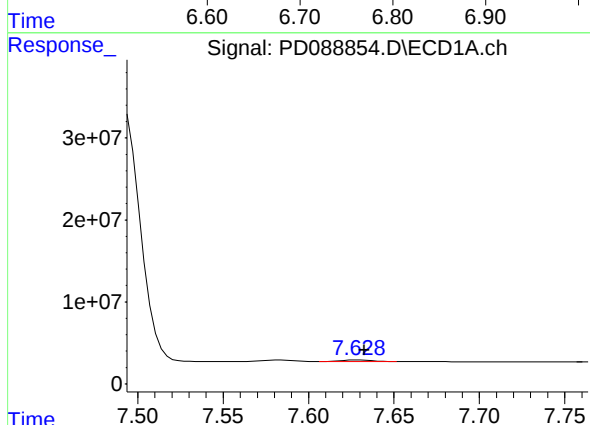
Reviewed By :Abdul Mirza 06/11/2025

Supervised By :mohammad ahmed 06/13/2025



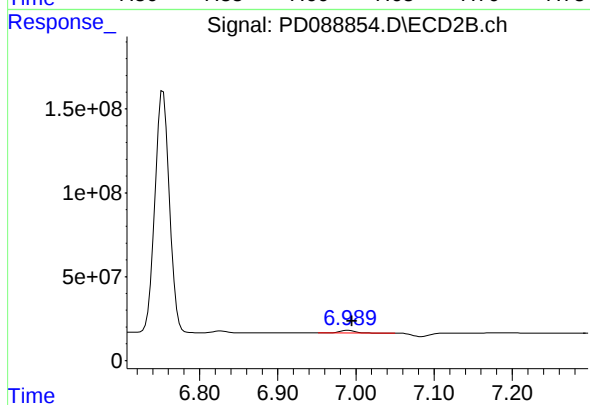
#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.005 min
Response: 1854852706
Conc: 193.72 ng/ml



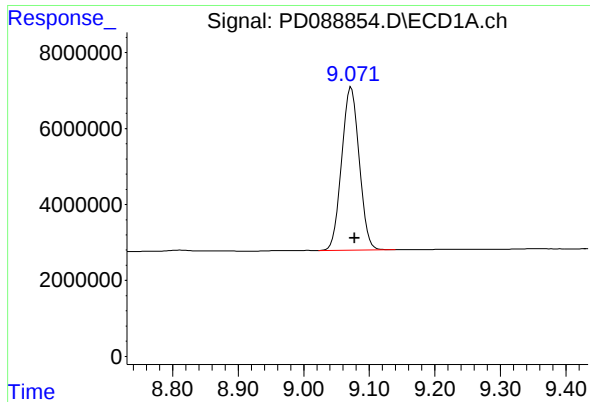
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: -0.005 min
Response: 2689611
Conc: 0.79 ng/ml m



#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.005 min
Response: 19621282
Conc: 1.01 ng/ml



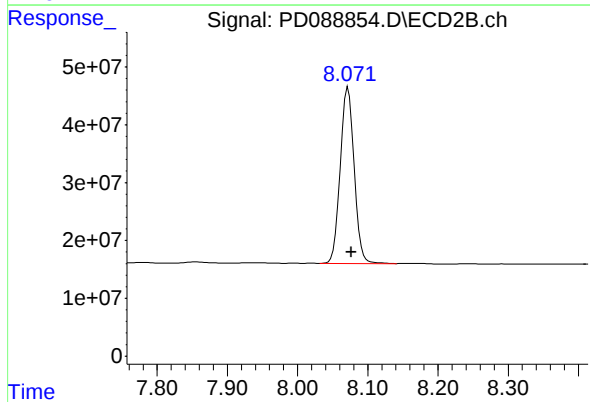
#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.005 min
Response: 79873105
Conc: 23.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/13/2025



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: -0.005 min
Response: 418378382
Conc: 22.92 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **NOBI03**

Lab Code: **CHEM** Case No.: **Q2259** SAS No.: **Q2259** SDG NO.: **Q2259**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **05/19/2025** **05/19/2025**

Client Sample No. (PEM): **PEM - PD088879.D** Date Analyzed: **06/10/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **17:46**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.073	8.970	9.170	20.320	20.000	1.6
Tetrachloro-m-xylene	3.548	3.500	3.600	23.530	20.000	17.7
alpha-BHC	3.998	3.950	4.050	9.940	10.000	-0.6
beta-BHC	4.514	4.460	4.560	11.130	10.000	11.3
gamma-BHC (Lindane)	4.329	4.280	4.380	10.230	10.000	2.3
Endrin	6.574	6.500	6.640	49.230	50.000	-1.5
4,4'-DDT	7.020	6.950	7.090	89.720	100.000	-10.3
Methoxychlor	7.492	7.420	7.560	203.570	250.000	-18.6

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **05/19/2025** **05/19/2025**

Client Sample No. (PEM): **PEM - PD088879.D** Date Analyzed: **06/10/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **17:46**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.073	7.970	8.170	17.230	20.000	-13.9
Tetrachloro-m-xylene	2.880	2.830	2.930	21.160	20.000	5.8
alpha-BHC	3.392	3.340	3.440	10.940	10.000	9.4
beta-BHC	4.025	3.970	4.080	11.050	10.000	10.5
gamma-BHC (Lindane)	3.729	3.680	3.780	10.960	10.000	9.6
Endrin	5.789	5.720	5.860	46.600	50.000	-6.8
4,4'-DDT	6.184	6.110	6.250	83.360	100.000	-16.6
Methoxychlor	6.755	6.680	6.830	170.820	250.000	-31.7

Data File: PEM
Operator: PD088879.D **Date Acquired** 6/10/2025 17:46
 AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	168118269.1	174333592.1	6215323.03	Down 3.57
Endrin aldehyde	6.92	2452559.619			
Endrin ketone	7.63	3762763.408			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	898599962.1	930016421.4	31416459.3	3.38
Endrin aldehyde #2	6.26	9271166.052			
Endrin ketone #2	6.99	22145293.21			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	280109481.7	286471945.8	6362464.15	2.22
4,4'-DDE	6.20	532814.902			
4,4'-DDD	6.70	5829649.248			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	1511993197	1554644136	42650938.9	2.74
4,4'-DDE #2	5.38	1749519.167			
4,4'-DDD #2	5.93	40901419.78			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
 Data File : PD088879.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Jun 2025 17:46
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 06/11/2025
 Supervised By : mohammad ahmed 06/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 11 07:42:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.548	2.880	50914155	320.0E6	23.531	21.157
28) SA Decachlor...	9.073	8.073	69548566	314.5E6	20.322	17.228
Target Compounds						
2) A alpha-BHC	3.998	3.392	47468403	261.4E6	9.938	10.936
3) MA gamma-BHC...	4.329	3.729	47077650	242.9E6	10.228	10.956
6) B beta-BHC	4.514	4.025	20069670	107.7E6	11.130	11.052
14) MA Endrin	6.574	5.789	168.1E6	898.6E6	49.227	46.598
16) A 4,4'-DDD	6.704	5.930	5829649	40901420	2.093	2.352
17) MA 4,4'-DDT	7.020	6.184	280.1E6	1512.0E6	89.720	83.364
18) B Endrin al...	6.917	6.256	2452560	9271166	0.953m	0.666m#
20) A Methoxychlor	7.492	6.755	340.1E6	1635.6E6	203.570	170.824
21) B Endrin ke...	7.628	6.991	3762763	22145293	1.099m	1.145

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
Data File : PD088879.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 17:46
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PEM

Manual Integrations

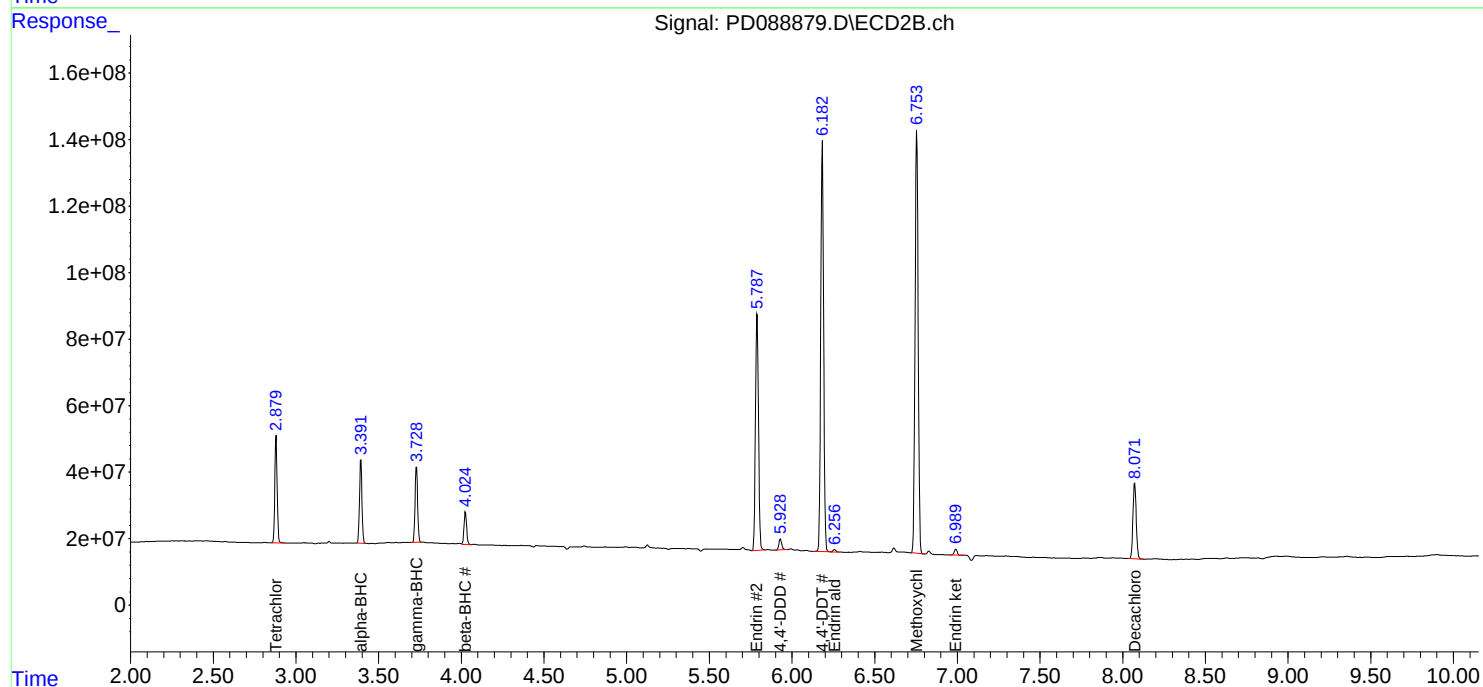
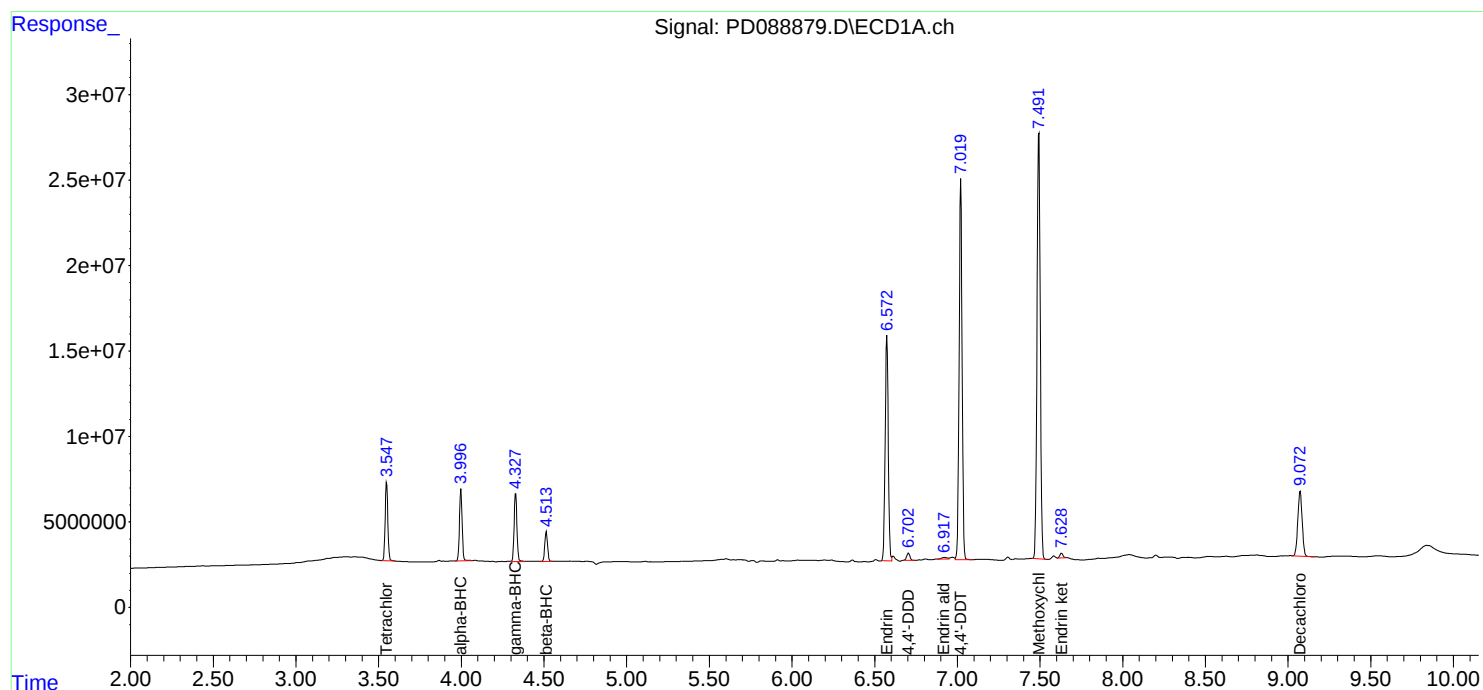
APPROVED

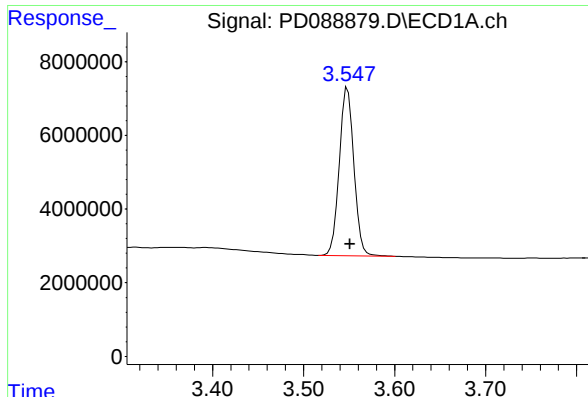
Reviewed By :Abdul Mirza 06/11/2025

Supervised By :mohammad ahmed 06/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 07:42:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





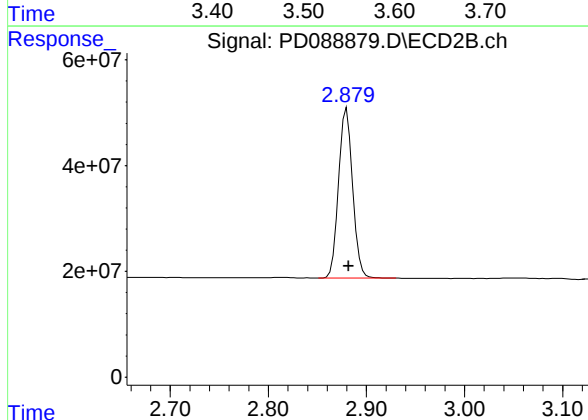
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: -0.003 min
Response: 50914155
Conc: 23.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

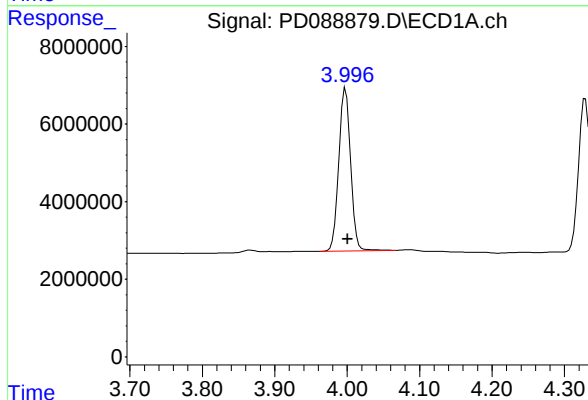
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/13/2025



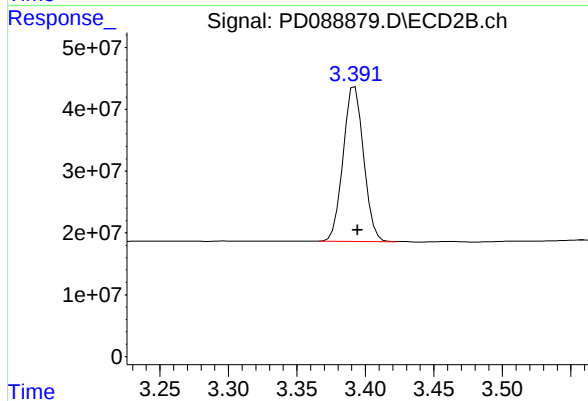
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.002 min
Response: 320036558
Conc: 21.16 ng/ml



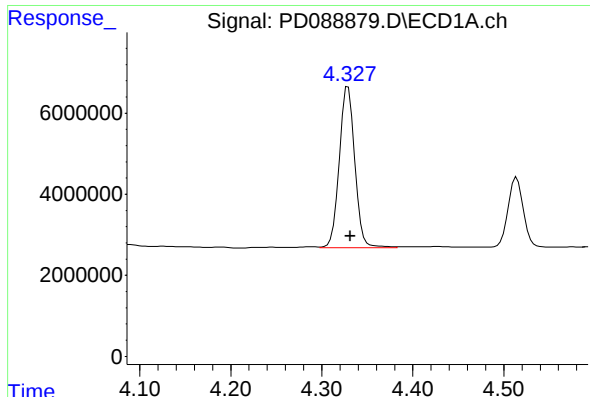
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.003 min
Response: 47468403
Conc: 9.94 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.002 min
Response: 261413427
Conc: 10.94 ng/ml



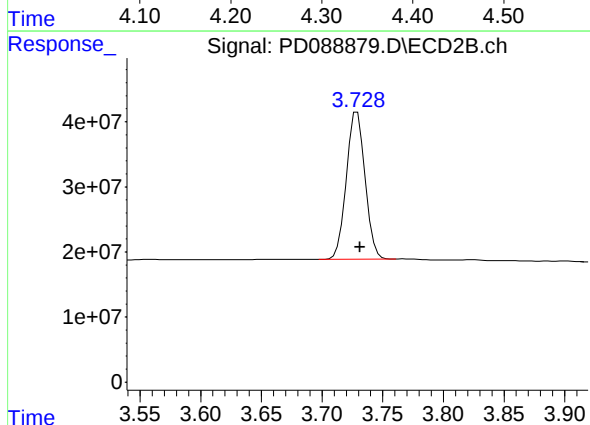
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: -0.003 min
Response: 47077650
Conc: 10.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

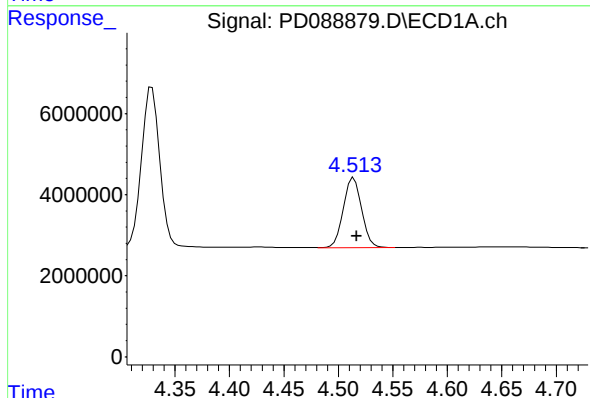
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/13/2025



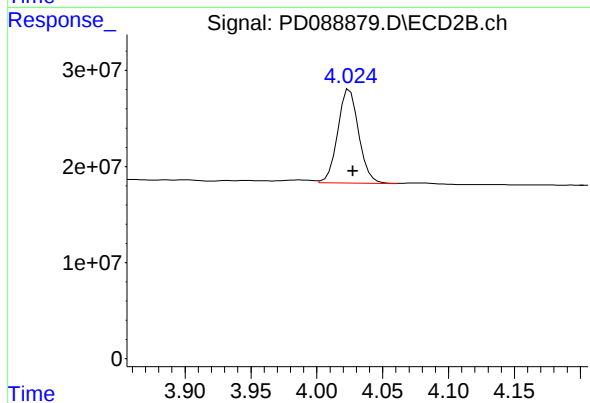
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: -0.002 min
Response: 242856400
Conc: 10.96 ng/ml



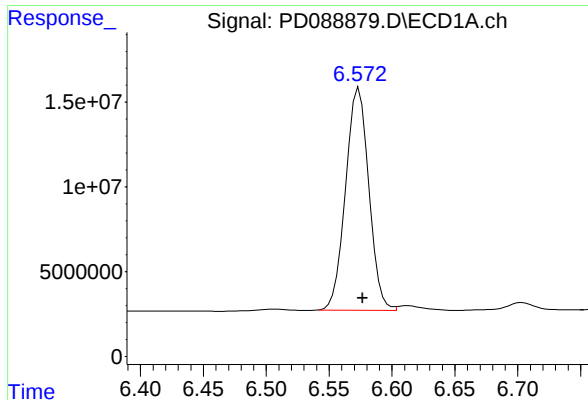
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.003 min
Response: 20069670
Conc: 11.13 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: -0.002 min
Response: 107667916
Conc: 11.05 ng/ml



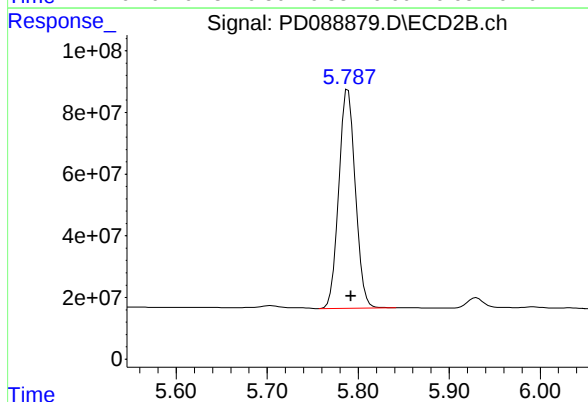
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.003 min
Response: 168118269
Conc: 49.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

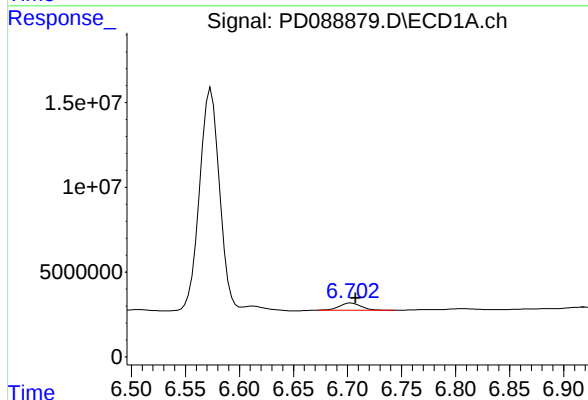
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/13/2025



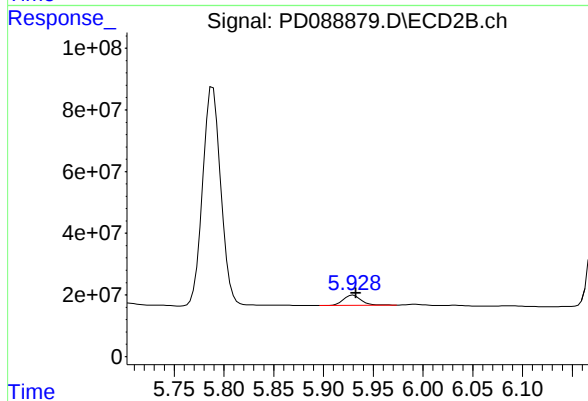
#14 Endrin

R.T.: 5.789 min
Delta R.T.: -0.003 min
Response: 898599962
Conc: 46.60 ng/ml



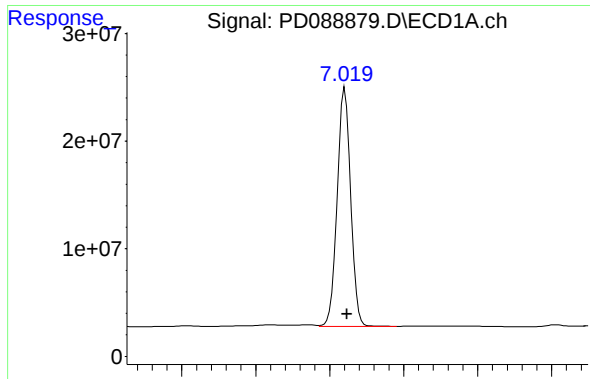
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.004 min
Response: 5829649
Conc: 2.09 ng/ml



#16 4,4'-DDD

R.T.: 5.930 min
Delta R.T.: -0.003 min
Response: 40901420
Conc: 2.35 ng/ml



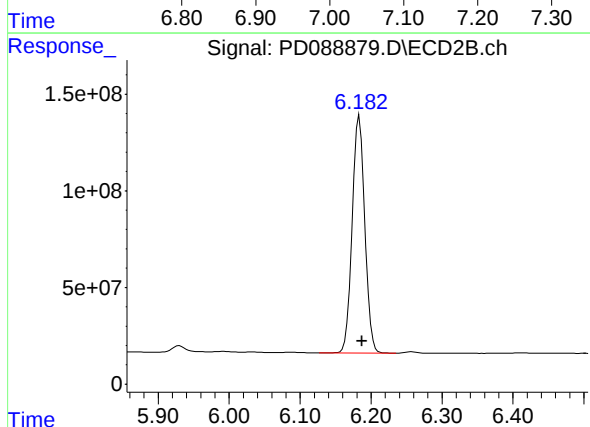
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 280109482
Conc: 89.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

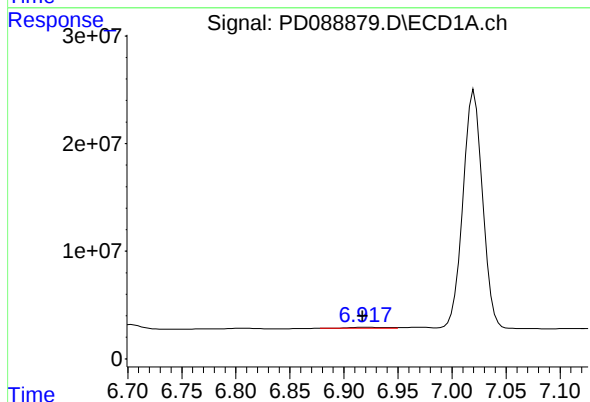
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/13/2025



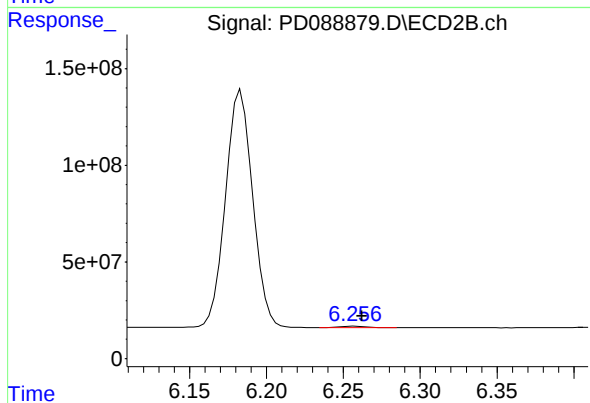
#17 4,4'-DDT

R.T.: 6.184 min
Delta R.T.: -0.004 min
Response: 1511993197
Conc: 83.36 ng/ml



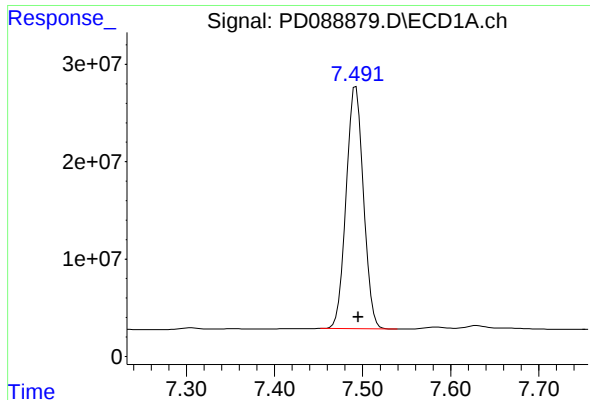
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.000 min
Response: 2452560
Conc: 0.95 ng/ml m



#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.006 min
Response: 9271166
Conc: 0.67 ng/ml m



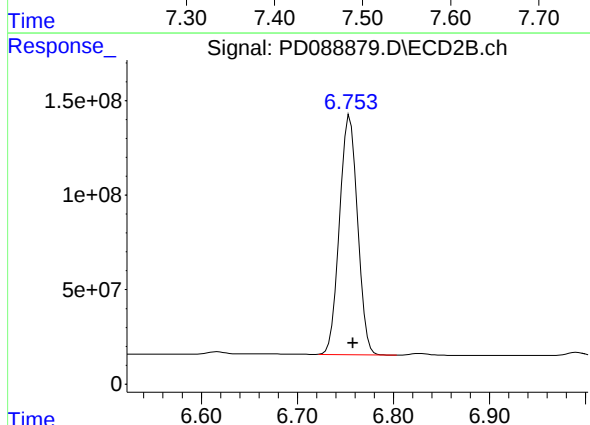
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.003 min
Response: 340075321
Conc: 203.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

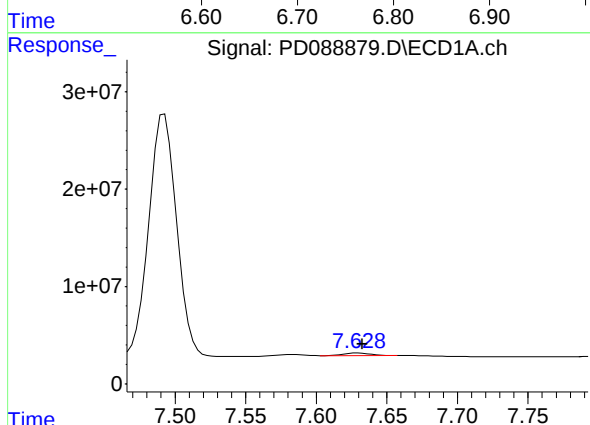
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/13/2025



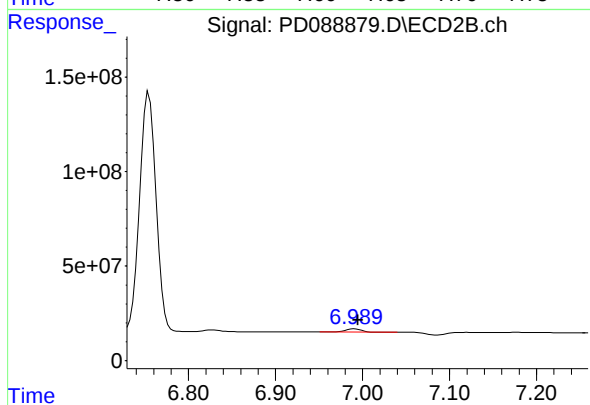
#20 Methoxychlor

R.T.: 6.755 min
Delta R.T.: -0.003 min
Response: 1635604122
Conc: 170.82 ng/ml



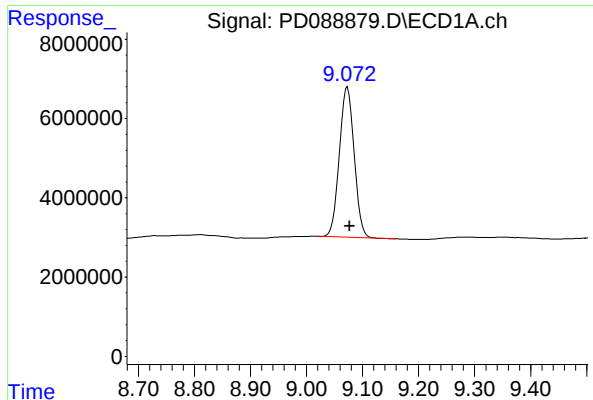
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: -0.004 min
Response: 3762763
Conc: 1.10 ng/ml m



#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: -0.004 min
Response: 22145293
Conc: 1.14 ng/ml



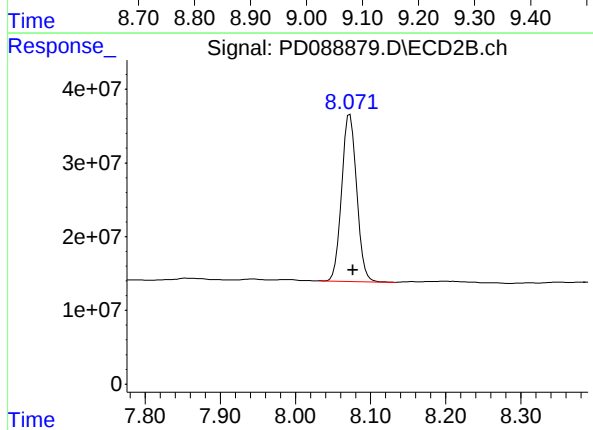
#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.004 min
Response: 69548566
Conc: 20.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/11/2025
Supervised By :mohammad ahmed 06/13/2025



#28 Decachlorobiphenyl

R.T.: 8.073 min
Delta R.T.: -0.004 min
Response: 314526020
Conc: 17.23 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **NOBI03**

Lab Code: **CHEM** Case No.: **Q2259** SAS No.: **Q2259** SDG NO.: **Q2259**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **05/19/2025** **05/19/2025**

Client Sample No. (PEM): **PEM - PD088903.D** Date Analyzed: **06/11/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **08:34**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.071	8.970	9.170	22.060	20.000	10.3
Tetrachloro-m-xylene	3.548	3.500	3.600	23.740	20.000	18.7
alpha-BHC	3.998	3.950	4.050	10.100	10.000	1.0
beta-BHC	4.514	4.460	4.560	11.450	10.000	14.5
gamma-BHC (Lindane)	4.329	4.280	4.380	10.420	10.000	4.2
Endrin	6.573	6.500	6.640	52.780	50.000	5.6
4,4'-DDT	7.020	6.950	7.090	100.230	100.000	0.2
Methoxychlor	7.492	7.420	7.560	227.430	250.000	-9.0

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **05/19/2025** **05/19/2025**

Client Sample No. (PEM): **PEM - PD088903.D** Date Analyzed: **06/11/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **08:34**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.071	7.970	8.170	21.010	20.000	5.1
Tetrachloro-m-xylene	2.879	2.830	2.930	21.020	20.000	5.1
alpha-BHC	3.392	3.340	3.440	10.880	10.000	8.8
beta-BHC	4.024	3.970	4.070	11.150	10.000	11.5
gamma-BHC (Lindane)	3.728	3.680	3.780	10.950	10.000	9.5
Endrin	5.788	5.720	5.860	48.390	50.000	-3.2
4,4'-DDT	6.183	6.110	6.250	90.880	100.000	-9.1
Methoxychlor	6.753	6.680	6.820	185.950	250.000	-25.6

Data File: PEM
Operator: PD088903.D **Date Acquired** 6/11/2025 8:34
 AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	180242853.5	186042936.6	5800083.1	Down 3.12
Endrin aldehyde	6.92	1386367.644			
Endrin ketone	7.63	4413715.454			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	933166777	984431022	51264245	5.21
Endrin aldehyde #2	6.26	13143210.41			
Endrin ketone #2	6.99	38121034.6			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	312932038.3	321578419.9	8646381.6	2.69
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	8646381.601			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	1648355674	1705094045	56738371.1	3.33
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.93	56738371.1			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061125\
 Data File : PD088903.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Jun 2025 08:34
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/12/2025
 Supervised By :mohammad ahmed 06/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 12 07:37:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.548	2.879	51357982	318.0E6	23.736	21.022
28) SA Decachlor...	9.071	8.071	75503045	383.6E6	22.062	21.009
Target Compounds						
2) A alpha-BHC	3.998	3.392	48255061	260.1E6	10.102	10.881
3) MA gamma-BHC...	4.329	3.728	47947407	242.8E6	10.417	10.954
6) B beta-BHC	4.514	4.024	20645698	108.6E6	11.450	11.148
14) MA Endrin	6.573	5.788	180.2E6	933.2E6	52.777	48.391
16) A 4,4'-DDD	6.703	5.929	8646382	56738371	3.105	3.262
17) MA 4,4'-DDT	7.020	6.183	312.9E6	1648.4E6	100.233	90.882
18) B Endrin al...	6.916	6.255	1386368	13143210	0.538	0.944m#
20) A Methoxychlor	7.492	6.753	379.9E6	1780.4E6	227.427	185.948
21) B Endrin ke...	7.629	6.990	4413715	38121035	1.289	1.970 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061125\
Data File : PD088903.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 08:34
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PEM

Manual Integrations

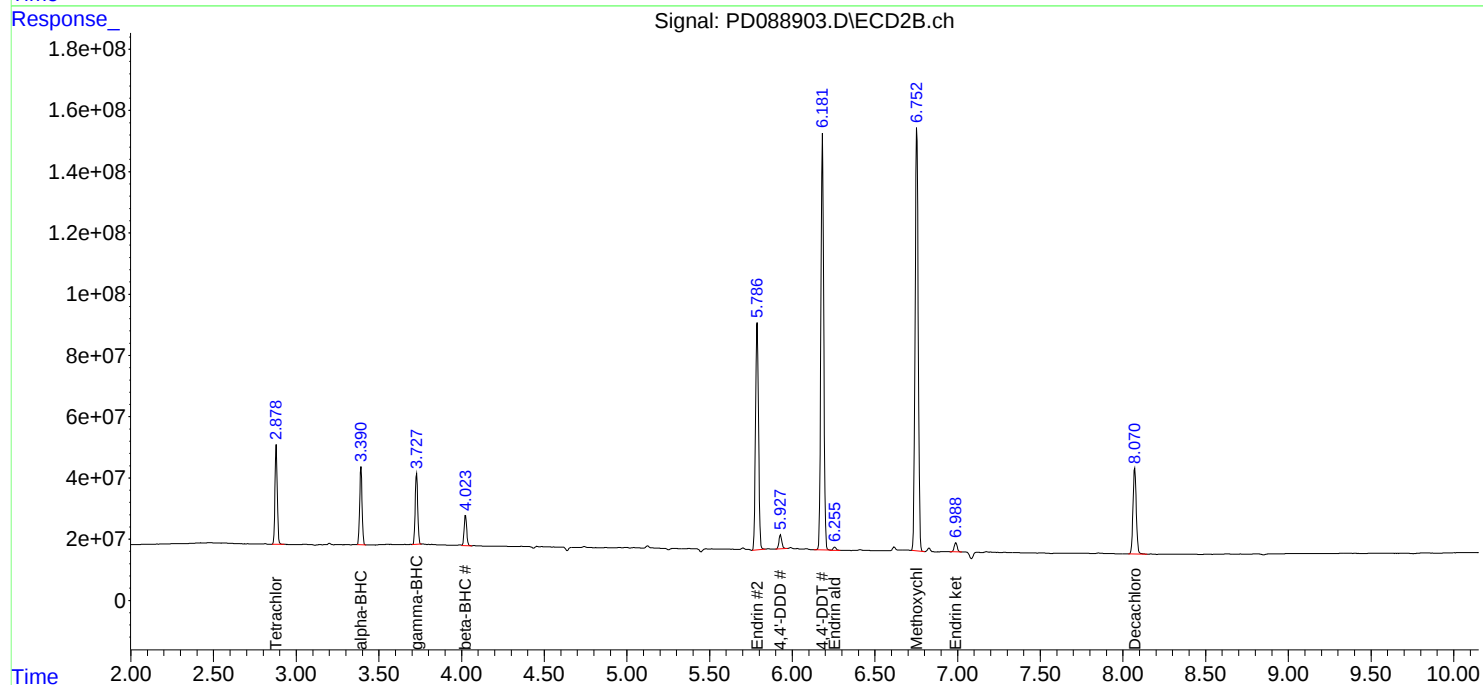
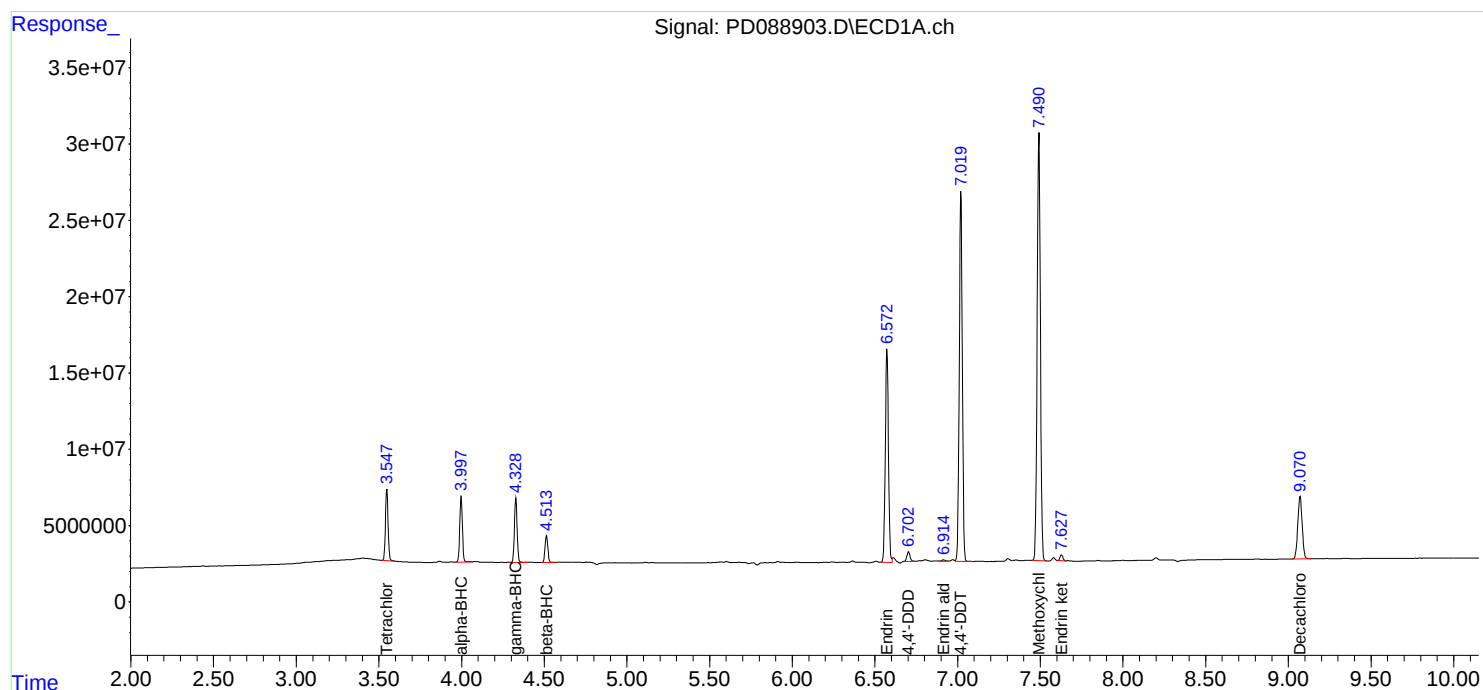
APPROVED

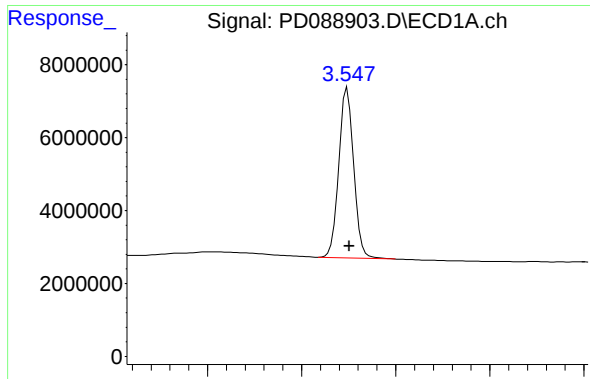
Reviewed By :Abdul Mirza 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 07:37:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





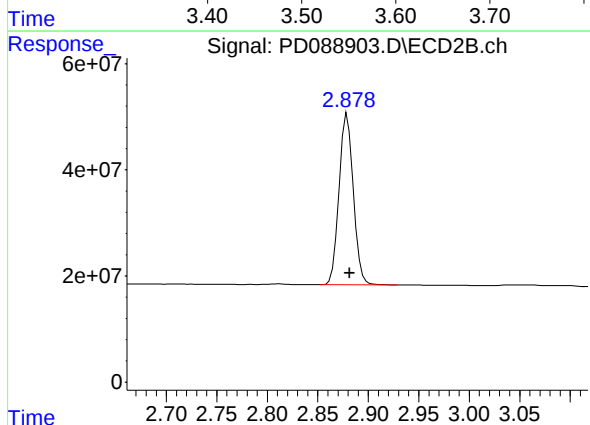
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: -0.003 min
Response: 51357982
Conc: 23.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

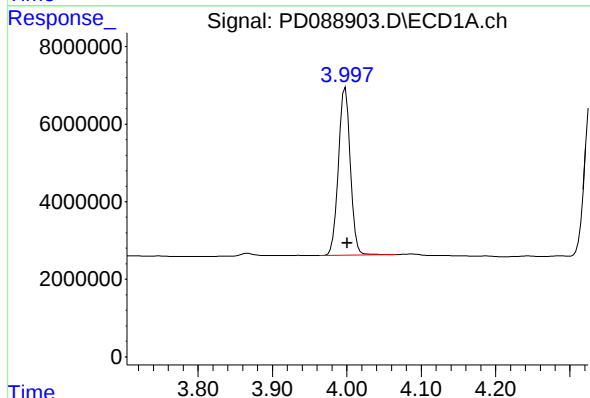
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



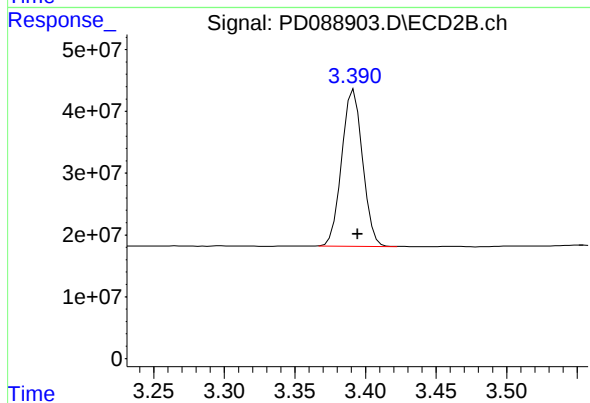
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 318003496
Conc: 21.02 ng/ml



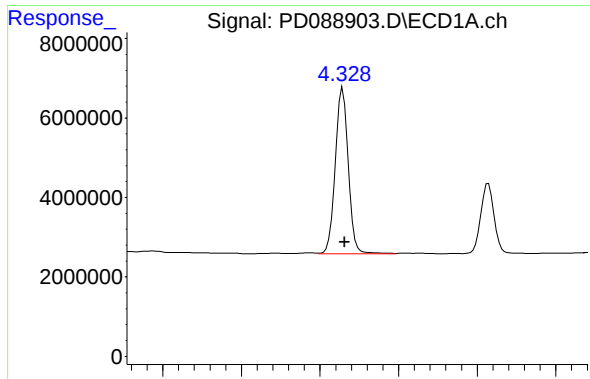
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.002 min
Response: 48255061
Conc: 10.10 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.003 min
Response: 260103330
Conc: 10.88 ng/ml



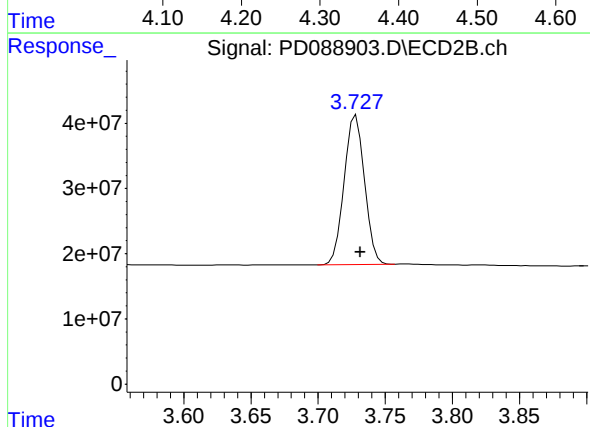
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: -0.003 min
Response: 47947407
Conc: 10.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

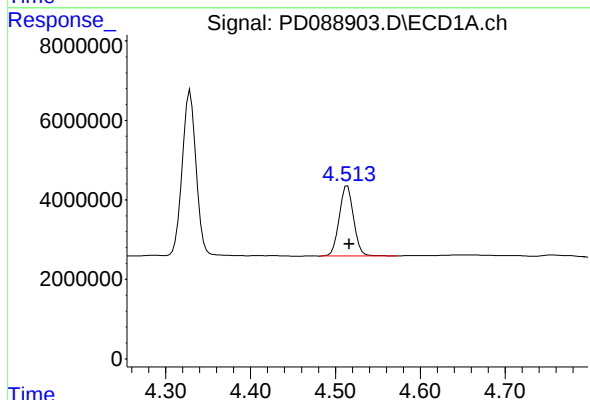
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



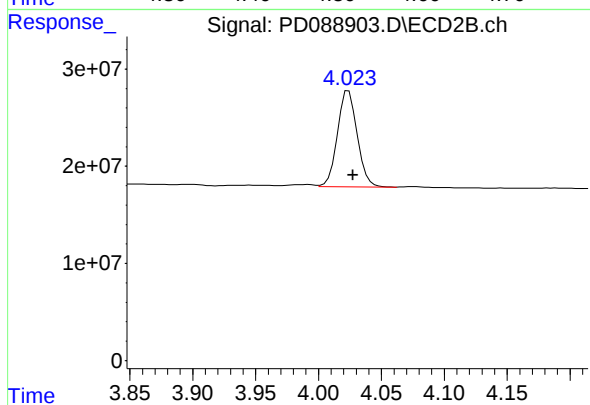
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.003 min
Response: 242807014
Conc: 10.95 ng/ml



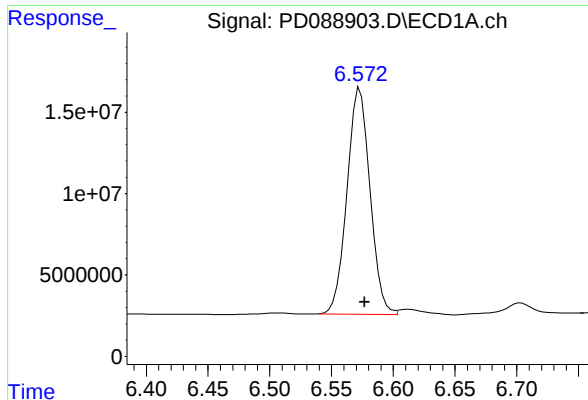
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.003 min
Response: 20645698
Conc: 11.45 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: -0.003 min
Response: 108601968
Conc: 11.15 ng/ml



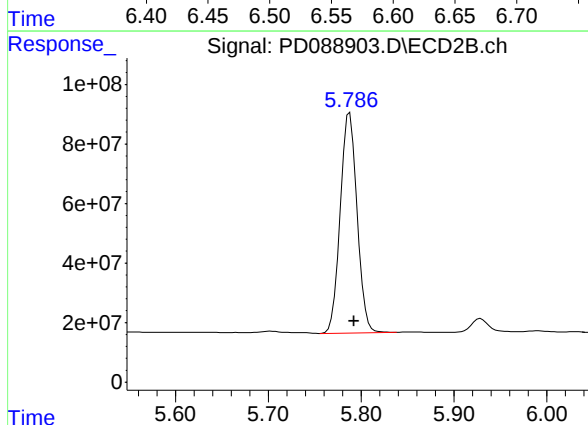
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.003 min
Response: 180242853
Conc: 52.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

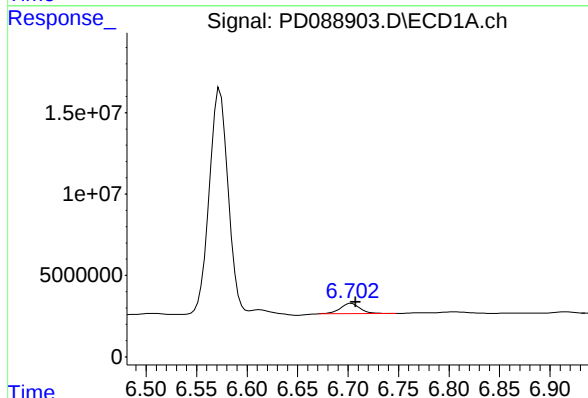
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



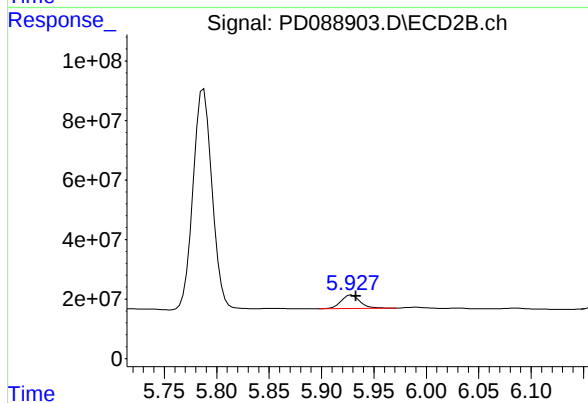
#14 Endrin

R.T.: 5.788 min
Delta R.T.: -0.005 min
Response: 933166777
Conc: 48.39 ng/ml



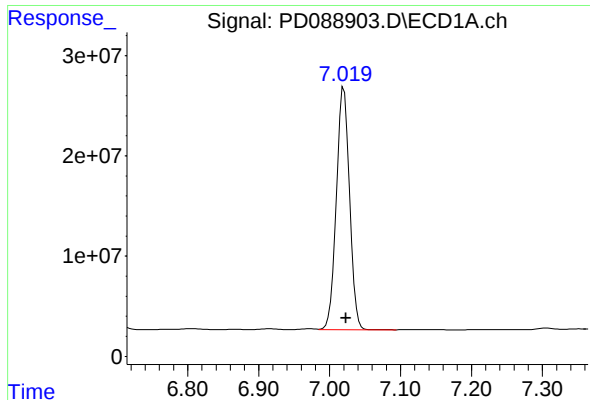
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: -0.004 min
Response: 8646382
Conc: 3.10 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: -0.004 min
Response: 56738371
Conc: 3.26 ng/ml



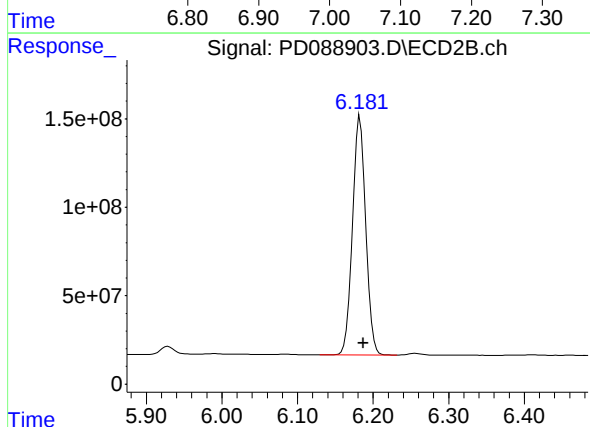
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 312932038
Conc: 100.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

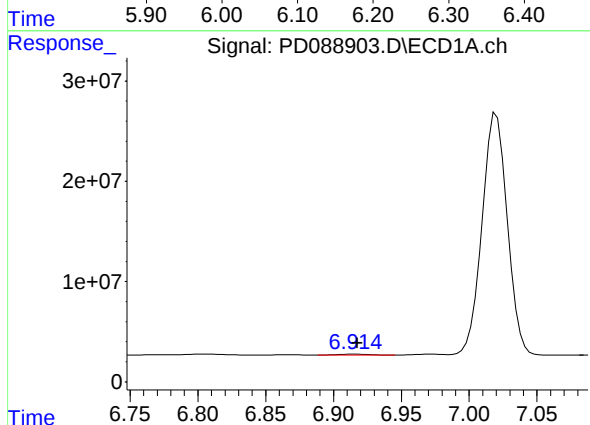
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



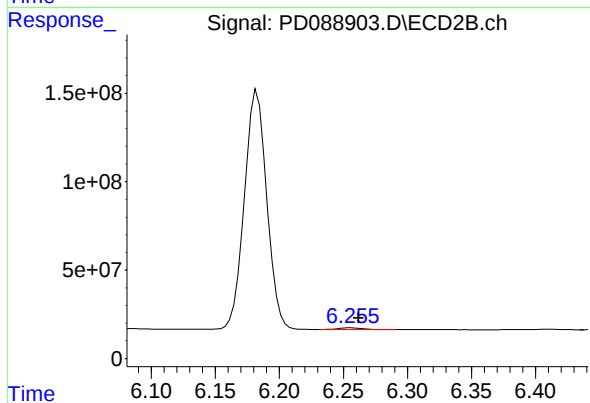
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.004 min
Response: 1648355674
Conc: 90.88 ng/ml



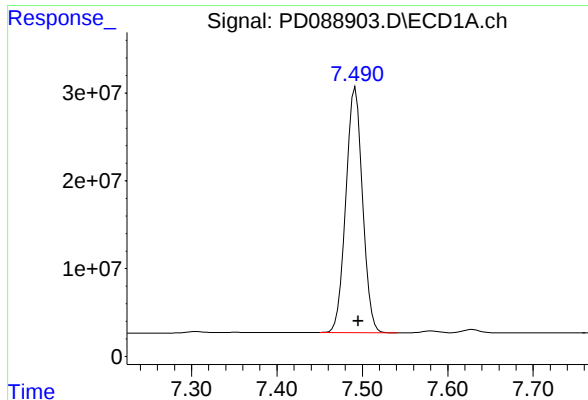
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: -0.002 min
Response: 1386368
Conc: 0.54 ng/ml



#18 Endrin aldehyde

R.T.: 6.255 min
Delta R.T.: -0.007 min
Response: 13143210
Conc: 0.94 ng/ml m



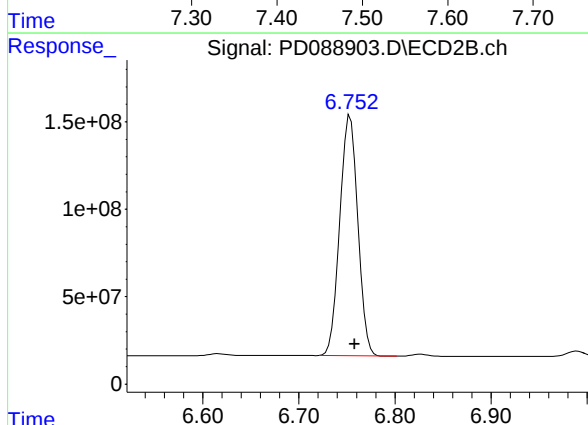
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.003 min
Response: 379928693
Conc: 227.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

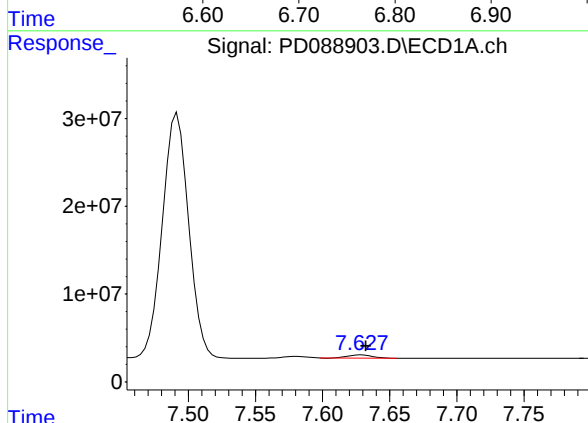
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



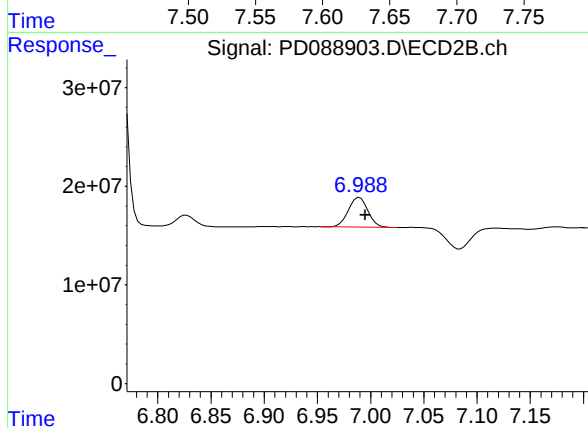
#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.005 min
Response: 1780410574
Conc: 185.95 ng/ml



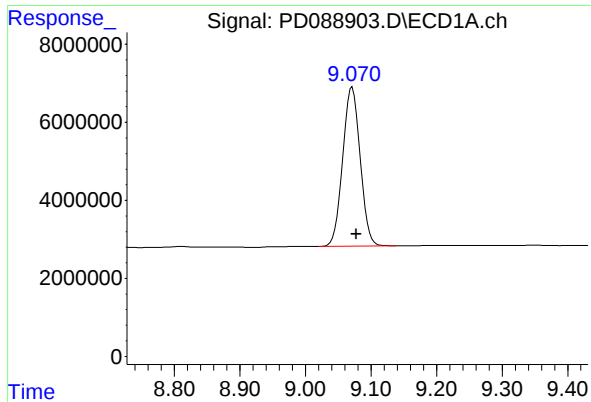
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: -0.004 min
Response: 4413715
Conc: 1.29 ng/ml



#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.005 min
Response: 38121035
Conc: 1.97 ng/ml



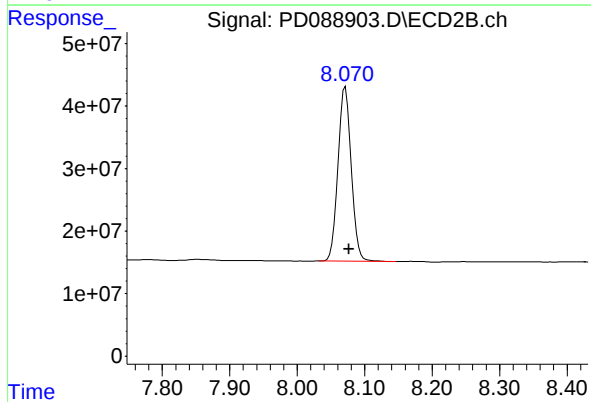
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.006 min
Response: 75503045
Conc: 22.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.005 min
Response: 383553543
Conc: 21.01 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088585.D
Acq On : 19 May 2025 11:17
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\PD051925.M
Title : GC Extractables
Last Update : Mon May 19 13:57:43 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.550	5.948	100.00%
5.948	6.076	100.00%
6.076	6.198	100.00%
6.198	6.350	100.00%
6.350	7.152	100.00%
7.152	7.495	100.00%
7.495	7.633	100.00%
7.633	9.077	100.00%

Signal #2

2.881	5.128	100.00%
5.128	5.249	100.00%
5.249	5.377	100.00%
5.377	5.515	100.00%
5.515	6.485	100.00%
6.485	6.757	100.00%
6.757	6.994	100.00%
6.994	8.075	100.00%

PD051925.M Mon May 19 14:07:57 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
 Data File : PD088585.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 11:17
 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: May 19 14:00:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 13:57:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	41487143	300.1E6	19.174	19.836
28) SA Decachlor...	9.077	8.075	69355454	365.4E6	20.266	20.017
Target Compounds						
9) A Endosulfan I	6.076	5.249	33273453	185.2E6	8.842	9.760
10) B gamma-Chl...	5.948	5.128	36597267	220.9E6	9.175	10.355
12) B 4,4'-DDE	6.198	5.377	66676699	417.9E6	18.576	19.993
13) MA Dieldrin	6.350	5.515	73699578	411.2E6	18.371	19.539
19) B Endosulfa...	7.152	6.485	60919862	351.5E6	19.019	19.795
20) A Methoxychlor	7.495	6.757	152.5E6	804.8E6	91.284	84.053
21) B Endrin ke...	7.633	6.994	64436060	381.7E6	18.824	19.728

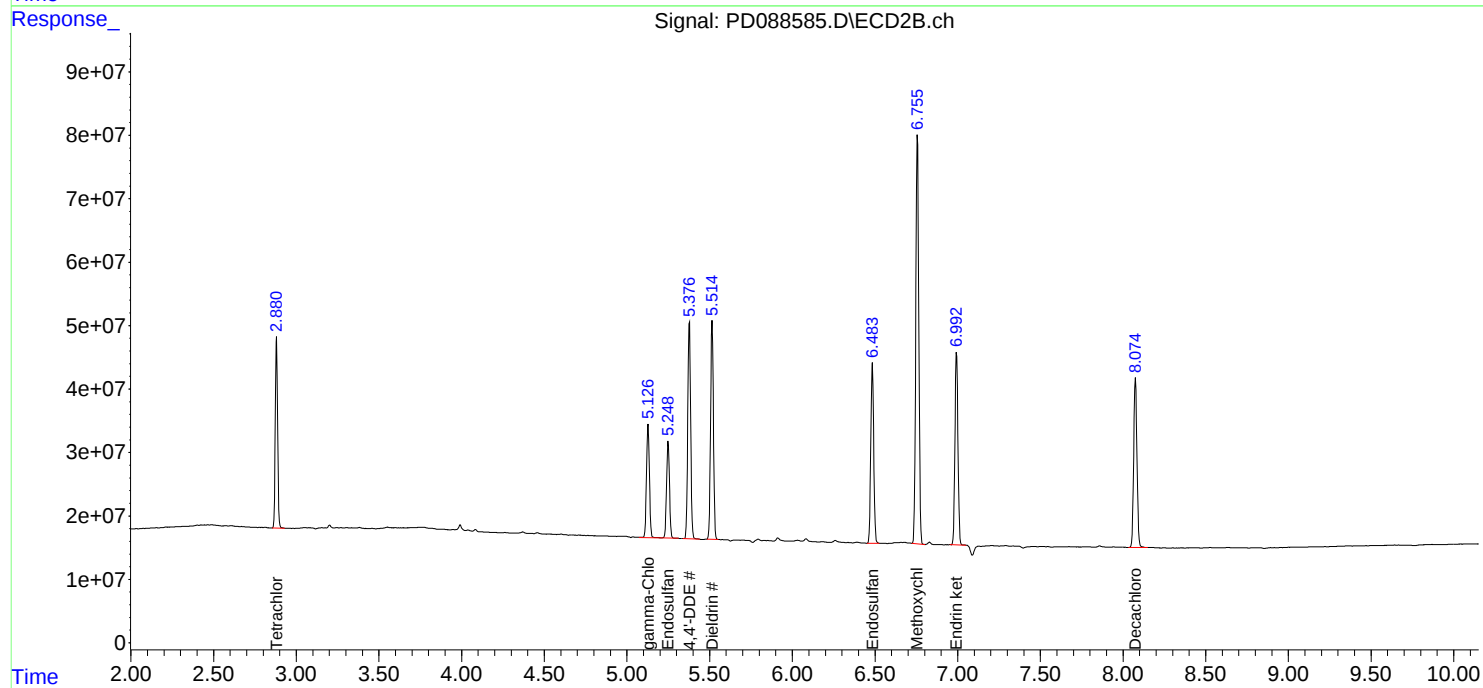
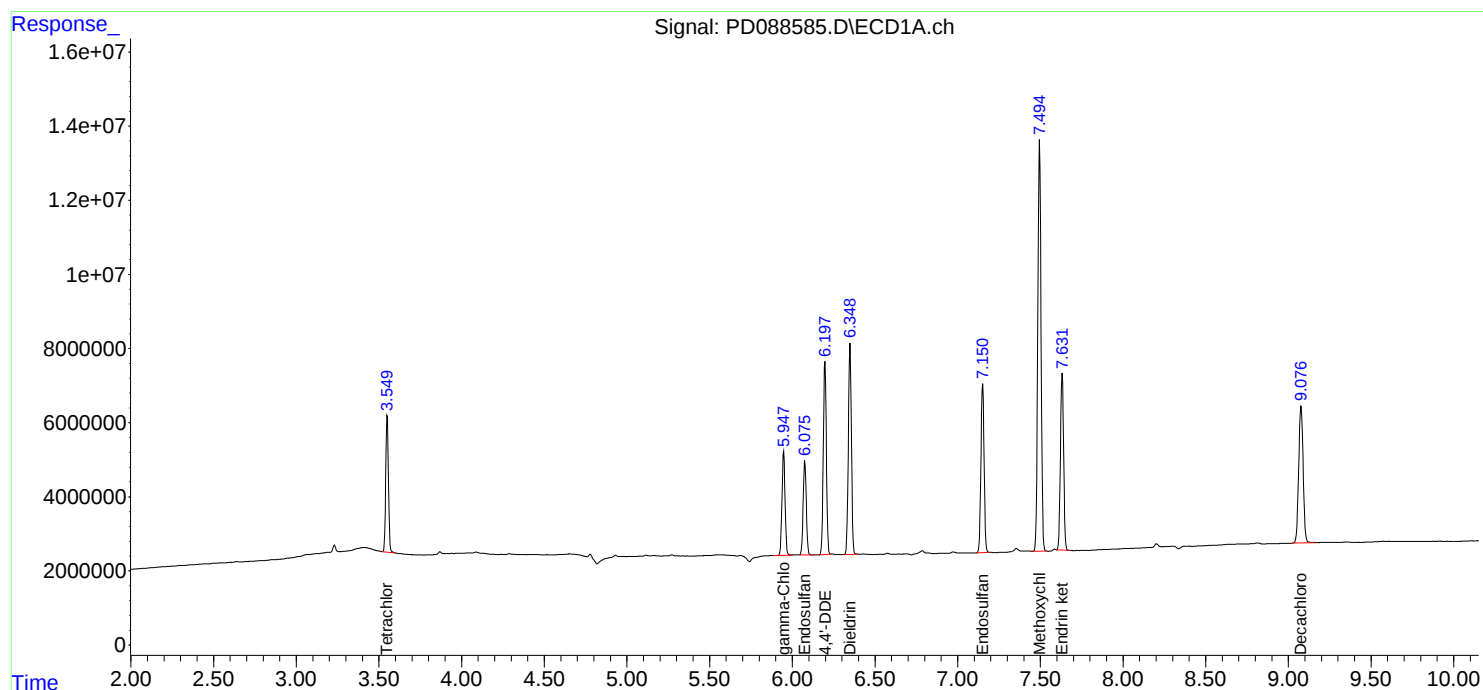
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

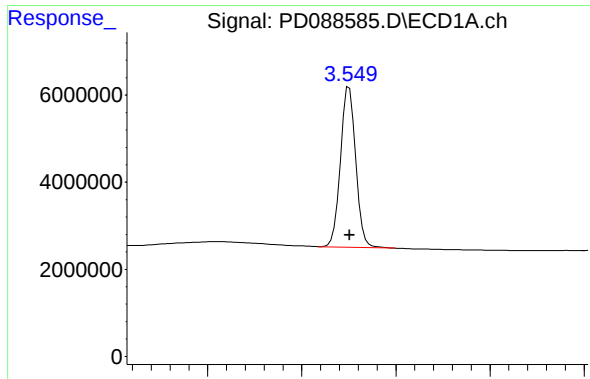
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088585.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:17
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:00:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 13:57:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

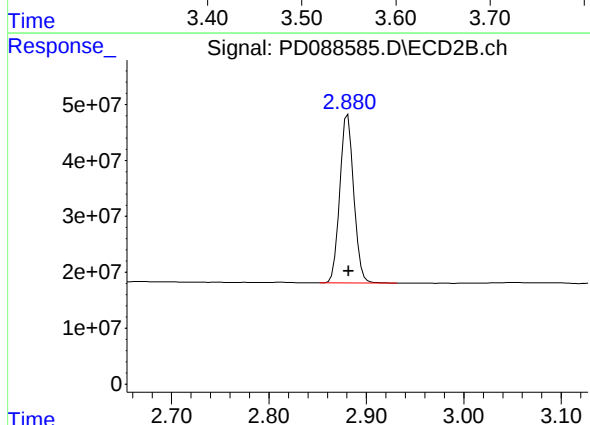




#1 Tetrachloro-m-xylene

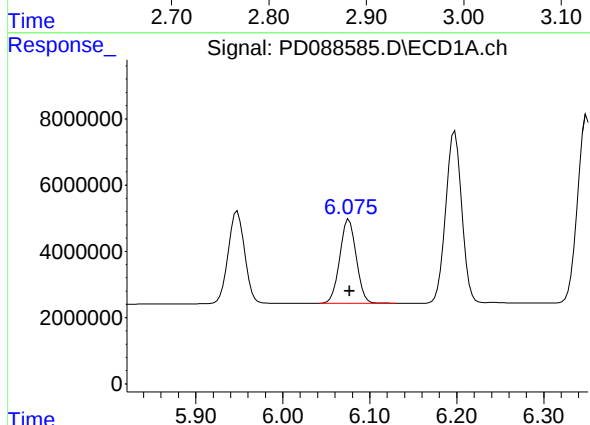
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 41487143
Conc: 19.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



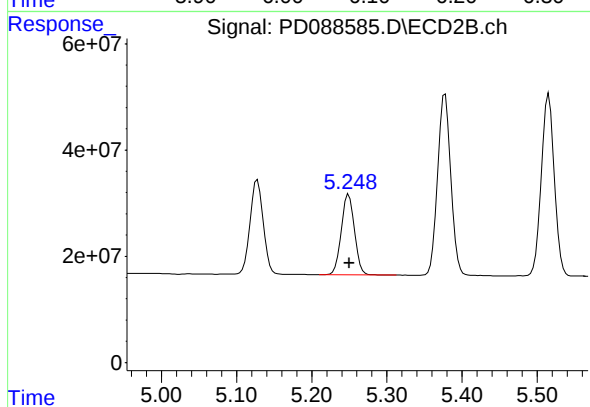
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 300055852
Conc: 19.84 ng/ml



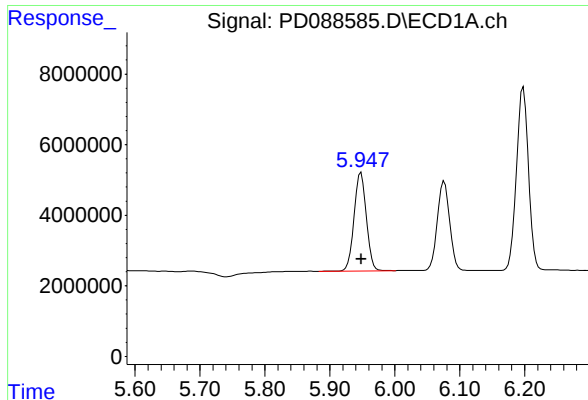
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: -0.001 min
Response: 33273453
Conc: 8.84 ng/ml



#9 Endosulfan I

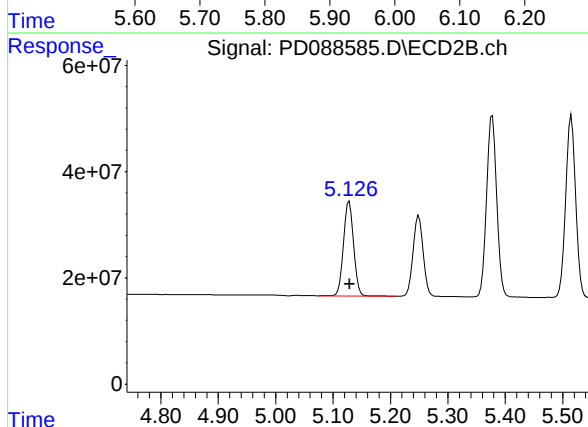
R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 185230529
Conc: 9.76 ng/ml



#10 gamma-Chlordane

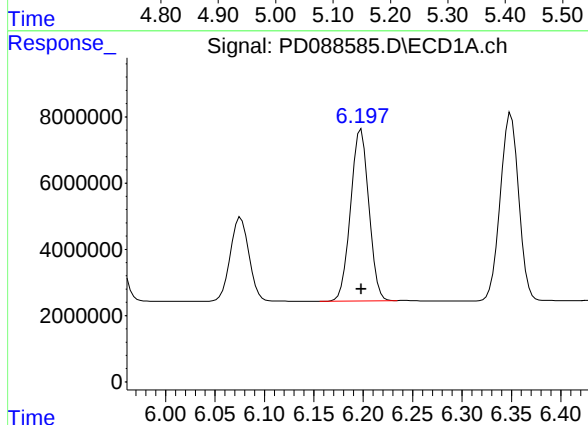
R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 36597267
Conc: 9.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



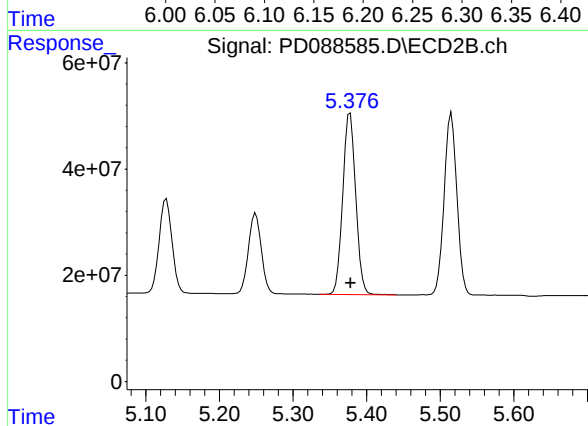
#10 gamma-Chlordane

R.T.: 5.128 min
Delta R.T.: 0.000 min
Response: 220885783
Conc: 10.35 ng/ml



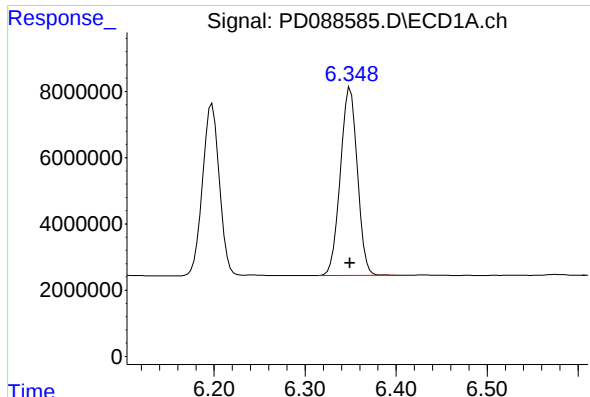
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.000 min
Response: 66676699
Conc: 18.58 ng/ml



#12 4,4'-DDE

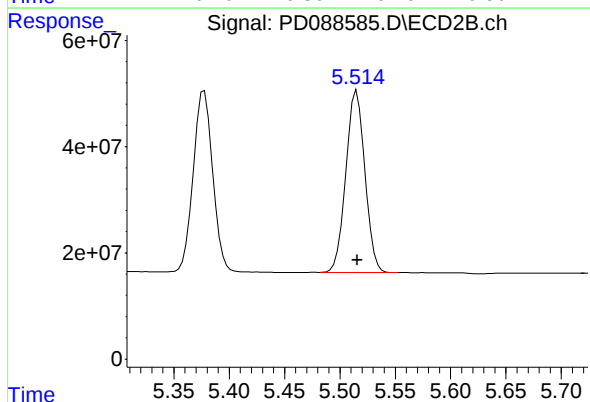
R.T.: 5.377 min
Delta R.T.: 0.000 min
Response: 417897527
Conc: 19.99 ng/ml



#13 Dieldrin

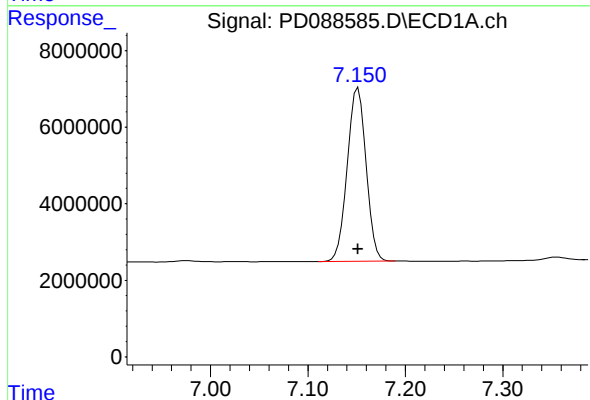
R.T.: 6.350 min
Delta R.T.: 0.000 min
Response: 73699578
Conc: 18.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



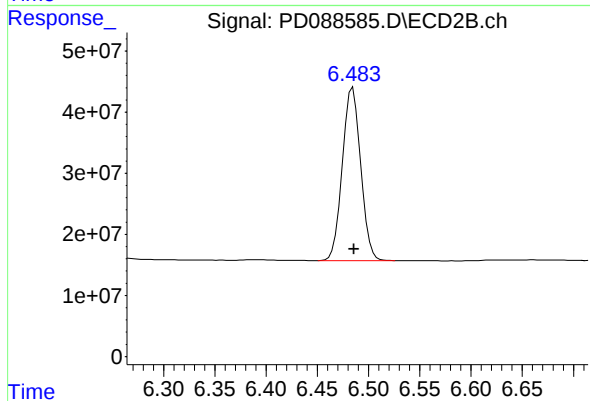
#13 Dieldrin

R.T.: 5.515 min
Delta R.T.: 0.000 min
Response: 411171083
Conc: 19.54 ng/ml



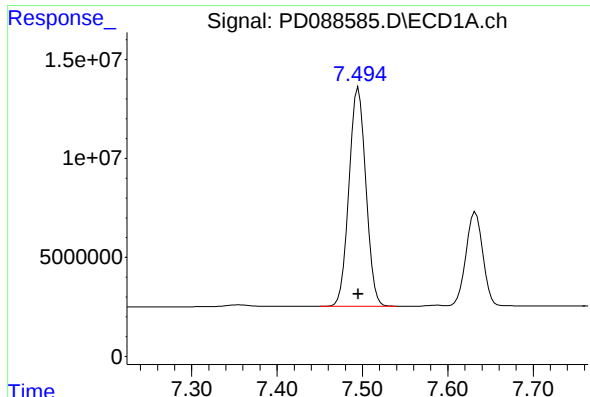
#19 Endosulfan Sulfate

R.T.: 7.152 min
Delta R.T.: 0.000 min
Response: 60919862
Conc: 19.02 ng/ml



#19 Endosulfan Sulfate

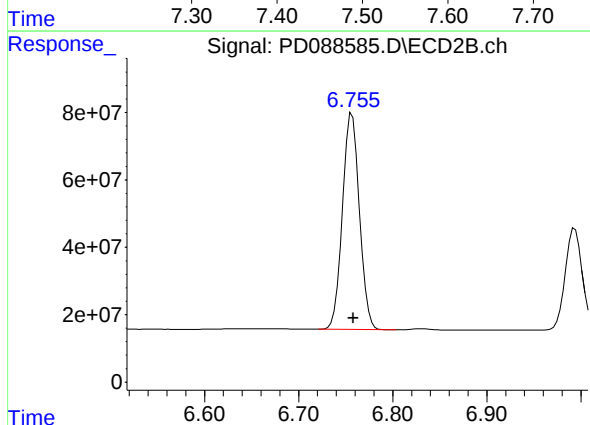
R.T.: 6.485 min
Delta R.T.: -0.001 min
Response: 351483349
Conc: 19.80 ng/ml



#20 Methoxychlor

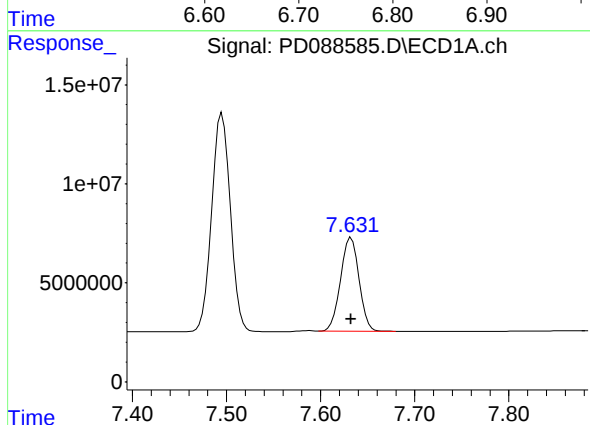
R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 152495142
Conc: 91.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



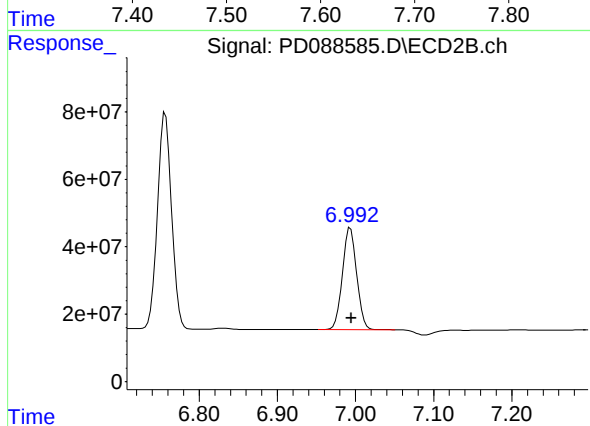
#20 Methoxychlor

R.T.: 6.757 min
Delta R.T.: -0.001 min
Response: 804794407
Conc: 84.05 ng/ml



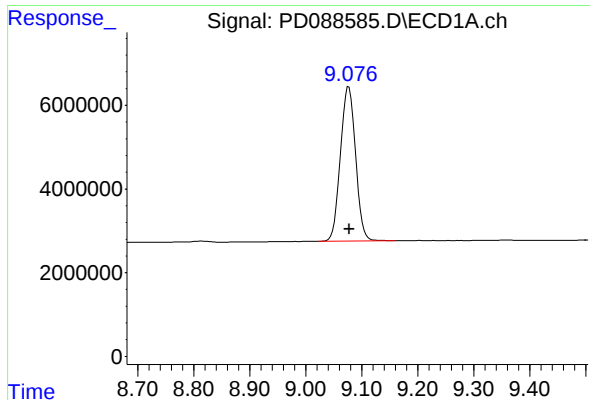
#21 Endrin ketone

R.T.: 7.633 min
Delta R.T.: 0.000 min
Response: 64436060
Conc: 18.82 ng/ml



#21 Endrin ketone

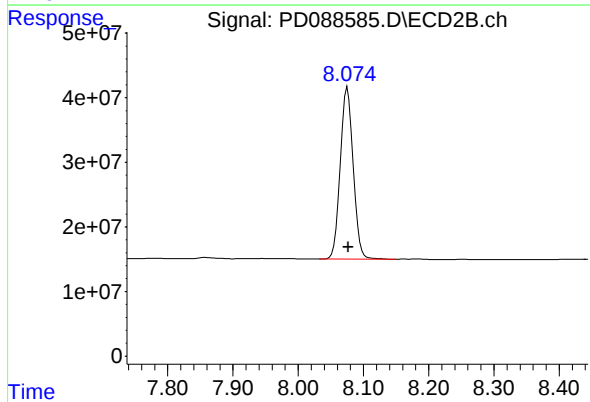
R.T.: 6.994 min
Delta R.T.: -0.001 min
Response: 381682681
Conc: 19.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.000 min
Response: 69355454
Conc: 20.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.001 min
Response: 365434486
Conc: 20.02 ng/ml

Analytical Sequence

Client: Nobis Group

SDG No.: Q2259

Project: Raymark Superfund Site

Instrument ID: ECD_D

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 05/19/2025

05/19/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	05/19/2025	10:50	PD088583.D	9.08	3.55
PEM	PEM	05/19/2025	11:04	PD088584.D	9.08	3.55
RESCHK	RESCHK	05/19/2025	11:17	PD088585.D	9.08	3.55
PSTDICC100	PSTDICC100	05/19/2025	11:31	PD088586.D	9.08	3.55
PSTDICC075	PSTDICC075	05/19/2025	11:45	PD088587.D	9.08	3.55
PSTDICC050	PSTDICC050	05/19/2025	11:58	PD088588.D	9.08	3.55
PSTDICC025	PSTDICC025	05/19/2025	12:12	PD088589.D	9.08	3.55
PSTDICC005	PSTDICC005	05/19/2025	12:25	PD088590.D	9.08	3.55
PCHLORICC500	PCHLORICC500	05/19/2025	13:06	PD088593.D	9.08	3.55
PTOXICC500	PTOXICC500	05/19/2025	14:14	PD088598.D	9.08	3.55
IBLK	IBLK	06/10/2025	09:06	PD088853.D	9.08	3.55
PEM	PEM	06/10/2025	09:20	PD088854.D	9.07	3.55
PSTDCCC050	PSTDCCC050	06/10/2025	10:38	PD088855.D	9.08	3.56
PB168350BL	PB168350BL	06/10/2025	12:14	PD088856.D	9.08	3.55
PB168350BS	PB168350BS	06/10/2025	12:28	PD088857.D	9.07	3.55
IBLK	IBLK	06/10/2025	14:35	PD088865.D	9.07	3.55
PSTDCCC050	PSTDCCC050	06/10/2025	14:49	PD088866.D	9.07	3.55
IBLK	IBLK	06/10/2025	17:33	PD088878.D	9.07	3.55
PEM	PEM	06/10/2025	17:46	PD088879.D	9.07	3.55
PSTDCCC050	PSTDCCC050	06/10/2025	18:00	PD088880.D	9.07	3.55
WC-3MS	Q2266-01MS	06/10/2025	19:22	PD088885.D	9.07	3.55
WC-3MSD	Q2266-01MSD	06/10/2025	19:36	PD088886.D	9.07	3.55
IBLK	IBLK	06/10/2025	20:30	PD088890.D	9.07	3.55
PSTDCCC050	PSTDCCC050	06/10/2025	20:44	PD088891.D	9.07	3.55
IBLK	IBLK	06/11/2025	08:20	PD088902.D	9.07	3.55
PEM	PEM	06/11/2025	08:34	PD088903.D	9.07	3.55
PSTDCCC050	PSTDCCC050	06/11/2025	08:47	PD088904.D	9.07	3.55
OU4-PCS-TC-36-060525	Q2259-01	06/11/2025	12:09	PD088911.D	9.08	3.55
OU4-PCS-TC-37-060525	Q2259-03	06/11/2025	12:22	PD088912.D	9.07	3.55
IBLK	IBLK	06/11/2025	12:44	PD088913.D	9.08	3.56
PSTDCCC050	PSTDCCC050	06/11/2025	12:57	PD088914.D	9.07	3.55

Analytical Sequence

Client: Nobis Group

SDG No.: Q2259

Project: Raymark Superfund Site

Instrument ID: ECD_D

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 05/19/2025

05/19/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	05/19/2025	10:50	PD088583.D	8.08	2.88
PEM	PEM	05/19/2025	11:04	PD088584.D	8.08	2.88
RESCHK	RESCHK	05/19/2025	11:17	PD088585.D	8.08	2.88
PSTDICCC100	PSTDICCC100	05/19/2025	11:31	PD088586.D	8.08	2.88
PSTDICCC075	PSTDICCC075	05/19/2025	11:45	PD088587.D	8.08	2.88
PSTDICCC050	PSTDICCC050	05/19/2025	11:58	PD088588.D	8.08	2.88
PSTDICCC025	PSTDICCC025	05/19/2025	12:12	PD088589.D	8.08	2.88
PSTDICCC005	PSTDICCC005	05/19/2025	12:25	PD088590.D	8.08	2.88
PCHLORICC500	PCHLORICC500	05/19/2025	13:06	PD088593.D	8.08	2.88
PTOXICC500	PTOXICC500	05/19/2025	14:14	PD088598.D	8.08	2.88
IBLK	IBLK	06/10/2025	09:06	PD088853.D	8.07	2.88
PEM	PEM	06/10/2025	09:20	PD088854.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/10/2025	10:38	PD088855.D	8.08	2.88
PB168350BL	PB168350BL	06/10/2025	12:14	PD088856.D	8.07	2.88
PB168350BS	PB168350BS	06/10/2025	12:28	PD088857.D	8.07	2.88
IBLK	IBLK	06/10/2025	14:35	PD088865.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/10/2025	14:49	PD088866.D	8.07	2.88
IBLK	IBLK	06/10/2025	17:33	PD088878.D	8.07	2.88
PEM	PEM	06/10/2025	17:46	PD088879.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/10/2025	18:00	PD088880.D	8.07	2.88
WC-3MS	Q2266-01MS	06/10/2025	19:22	PD088885.D	8.07	2.88
WC-3MSD	Q2266-01MSD	06/10/2025	19:36	PD088886.D	8.07	2.88
IBLK	IBLK	06/10/2025	20:30	PD088890.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/10/2025	20:44	PD088891.D	8.07	2.88
IBLK	IBLK	06/11/2025	08:20	PD088902.D	8.07	2.88
PEM	PEM	06/11/2025	08:34	PD088903.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/11/2025	08:47	PD088904.D	8.07	2.88
OU4-PCS-TC-36-060525	Q2259-01	06/11/2025	12:09	PD088911.D	8.07	2.88
OU4-PCS-TC-37-060525	Q2259-03	06/11/2025	12:22	PD088912.D	8.07	2.88
IBLK	IBLK	06/11/2025	12:44	PD088913.D	8.07	2.88
PSTDCCC050	PSTDCCC050	06/11/2025	12:57	PD088914.D	8.07	2.88

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-PCS-TC-37-060525

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q2259 **SAS No.:** Q2259 **SDG NO.:** Q2259

Lab Sample ID: Q2259-03 **Date(s) Analyzed:** 06/11/2025 06/11/2025

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		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.49	7.44	7.54	2.50	14.8
	2	6.75	6.70	6.80	2.90	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168350BS

Contract: NOBI03

Lab Code: CHEM

Case No.: Q2259

SAS No.: Q2259

SDG NO.: Q2259

Lab Sample ID: PB168350BS

Date(s) Analyzed: 06/10/2025

06/10/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.79	6.74	6.84	17.6	5.2
	2	6.08	6.03	6.13	16.7	
4,4'-DDD	1	6.70	6.65	6.75	18.7	10.1
	2	5.93	5.88	5.98	16.9	
4,4'-DDT	1	7.02	6.97	7.07	18.1	8
	2	6.18	6.13	6.23	16.7	
Endrin aldehyde	1	6.92	6.87	6.97	17.2	6.6
	2	6.26	6.21	6.31	16.1	
Endosulfan sulfate	1	7.15	7.10	7.20	17.8	6.4
	2	6.48	6.43	6.53	16.7	
Methoxychlor	1	7.49	7.44	7.54	17.7	7
	2	6.75	6.70	6.80	16.5	
Endrin ketone	1	7.63	7.58	7.68	18.1	5.1
	2	6.99	6.94	7.04	17.2	
alpha-BHC	1	4.00	3.95	4.05	17.6	7.1
	2	3.39	3.34	3.44	16.4	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	17.5	5.9
	2	3.73	3.68	3.78	16.5	
Heptachlor	1	4.93	4.88	4.98	17.9	9.4
	2	4.08	4.03	4.13	16.3	
Aldrin	1	5.27	5.22	5.32	17.8	7.6
	2	4.37	4.32	4.42	16.5	
beta-BHC	1	4.51	4.46	4.56	17.3	6.6
	2	4.02	3.97	4.07	16.2	
delta-BHC	1	4.76	4.71	4.81	18.8	12.4
	2	4.26	4.21	4.31	16.6	
Heptachlor epoxide	1	5.69	5.64	5.74	17.7	7.6
	2	4.87	4.82	4.92	16.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168350BS

Contract: NOBI03

Lab Code: CHEM

Case No.: Q2259

SAS No.: Q2259

SDG NO.: Q2259

Lab Sample ID: PB168350BS

Date(s) Analyzed: 06/10/2025

06/10/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	17.7	5.8
	2	5.25	5.20	5.30	16.7	
gamma-Chlordane	1	5.95	5.90	6.00	17.6	5.2
	2	5.13	5.08	5.18	16.7	
alpha-Chlordane	1	6.03	5.98	6.08	17.8	7.6
	2	5.19	5.14	5.24	16.5	
4,4'-DDE	1	6.20	6.15	6.25	18.2	9.8
	2	5.38	5.33	5.43	16.5	
Dieldrin	1	6.35	6.30	6.40	17.8	7
	2	5.51	5.46	5.56	16.6	
Endrin	1	6.57	6.52	6.62	17.6	7.7
	2	5.79	5.74	5.84	16.3	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-3MS

Contract: NOBI03

Lab Code: CHEM

Case No.: Q2259

SAS No.: Q2259

SDG NO.: Q2259

Lab Sample ID: Q2266-01MS

Date(s) Analyzed: 06/10/2025

06/10/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.79	6.74	6.84	17.9	4
	2	6.08	6.03	6.13	17.2	
4,4'-DDD	1	6.70	6.65	6.75	19.1	11.6
	2	5.93	5.88	5.98	17.0	
4,4'-DDT	1	7.02	6.97	7.07	17.1	4.2
	2	6.18	6.13	6.23	16.4	
Endrin aldehyde	1	6.91	6.86	6.96	17.9	6.3
	2	6.26	6.21	6.31	16.8	
Endosulfan sulfate	1	7.15	7.10	7.20	17.7	4.6
	2	6.48	6.43	6.53	16.9	
Methoxychlor	1	7.49	7.44	7.54	16.2	1.9
	2	6.75	6.70	6.80	15.9	
Endrin ketone	1	7.63	7.58	7.68	17.8	5.2
	2	6.99	6.94	7.04	16.9	
alpha-BHC	1	4.00	3.95	4.05	19.3	6.4
	2	3.39	3.34	3.44	18.1	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	19.2	6.5
	2	3.73	3.68	3.78	18.0	
Heptachlor	1	4.93	4.88	4.98	18.2	6.2
	2	4.08	4.03	4.13	17.1	
Aldrin	1	5.27	5.22	5.32	19.3	6.4
	2	4.37	4.32	4.42	18.1	
beta-BHC	1	4.51	4.46	4.56	19.1	5.4
	2	4.03	3.98	4.08	18.1	
delta-BHC	1	4.76	4.71	4.81	20.6	12.4
	2	4.26	4.21	4.31	18.2	
Heptachlor epoxide	1	5.69	5.64	5.74	18.9	6
	2	4.87	4.82	4.92	17.8	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-3MS

Contract: NOBI03

Lab Code: CHEM Case No.: Q2259

SAS No.: Q2259 SDG NO.: Q2259

Lab Sample ID: Q2266-01MS

Date(s) Analyzed: 06/10/2025 06/10/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	18.7	4.9
	2	5.25	5.20	5.30	17.8	
gamma-Chlordane	1	5.95	5.90	6.00	18.6	3.3
	2	5.13	5.08	5.18	18.0	
alpha-Chlordane	1	6.03	5.98	6.08	18.7	3.8
	2	5.19	5.14	5.24	18.0	
4,4'-DDE	1	6.20	6.15	6.25	18.9	7.1
	2	5.38	5.33	5.43	17.6	
Dieldrin	1	6.35	6.30	6.40	18.5	5.6
	2	5.51	5.46	5.56	17.5	
Endrin	1	6.57	6.52	6.62	18.2	5.6
	2	5.79	5.74	5.84	17.2	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-3MSD

Contract: NOBI03

Lab Code: CHEM

Case No.: Q2259

SAS No.: Q2259

SDG NO.: Q2259

Lab Sample ID: Q2266-01MSD

Date(s) Analyzed: 06/10/2025

06/10/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.79	6.74	6.84	18.1	2.8
	2	6.08	6.03	6.13	17.6	
4,4'-DDD	1	6.70	6.65	6.75	19.3	10.9
	2	5.93	5.88	5.98	17.3	
4,4'-DDT	1	7.02	6.97	7.07	17.6	4.7
	2	6.18	6.13	6.23	16.8	
Endrin aldehyde	1	6.91	6.86	6.96	18.5	7.3
	2	6.26	6.21	6.31	17.2	
Endosulfan sulfate	1	7.15	7.10	7.20	18.0	4.5
	2	6.48	6.43	6.53	17.2	
Methoxychlor	1	7.49	7.44	7.54	16.6	1.8
	2	6.75	6.70	6.80	16.3	
Endrin ketone	1	7.63	7.58	7.68	18.0	4
	2	6.99	6.94	7.04	17.3	
alpha-BHC	1	4.00	3.95	4.05	19.6	7.4
	2	3.39	3.34	3.44	18.2	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	19.4	6.9
	2	3.73	3.68	3.78	18.1	
Heptachlor	1	4.93	4.88	4.98	18.4	6.7
	2	4.08	4.03	4.13	17.2	
Aldrin	1	5.27	5.22	5.32	19.5	6.9
	2	4.37	4.32	4.42	18.2	
beta-BHC	1	4.51	4.46	4.56	19.2	5.3
	2	4.03	3.98	4.08	18.2	
delta-BHC	1	4.76	4.71	4.81	20.9	12.7
	2	4.26	4.21	4.31	18.4	
Heptachlor epoxide	1	5.69	5.64	5.74	19.2	6.5
	2	4.87	4.82	4.92	18.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-3MSD

Contract: NOBI03

Lab Code: CHEM

Case No.: Q2259

SAS No.: Q2259

SDG NO.: Q2259

Lab Sample ID: Q2266-01MSD

Date(s) Analyzed: 06/10/2025

06/10/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	18.9	4.9
	2	5.25	5.20	5.30	18.0	
gamma-Chlordane	1	5.95	5.90	6.00	18.8	2.7
	2	5.13	5.08	5.18	18.3	
alpha-Chlordane	1	6.03	5.98	6.08	19.0	4.3
	2	5.19	5.14	5.24	18.2	
4,4'-DDE	1	6.19	6.14	6.24	19.2	7.6
	2	5.38	5.33	5.43	17.8	
Dieldrin	1	6.35	6.30	6.40	18.7	5.5
	2	5.51	5.46	5.56	17.7	
Endrin	1	6.57	6.52	6.62	18.4	5
	2	5.79	5.74	5.84	17.5	



QC SAMPLE DATA

- 1
- 2
- 3
- 4
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Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168350BL	SDG No.:	Q2259
Lab Sample ID:	PB168350BL	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
PD088856.D	1	06/09/25 09:11	06/10/25 12:14	PB168350

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	23.4		55 - 130		117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		42 - 129		109%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:		
Project:	Raymark Superfund Site		Date Received:		
Client Sample ID:	PB168350BL		SDG No.:	Q2259	
Lab Sample ID:	PB168350BL		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
PD088856.D	1	06/09/25 09:11	06/10/25 12:14	PB168350

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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\PD061025\
Data File : PD088856.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 12:14
Operator : AR\AJ
Sample : PB168350BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168350BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 14:12:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.553	2.880	47215949	302.6E6	21.821	20.004
28) SA Decachlor...	9.078	8.074	79925922	412.7E6	23.354	22.605

Target Compounds

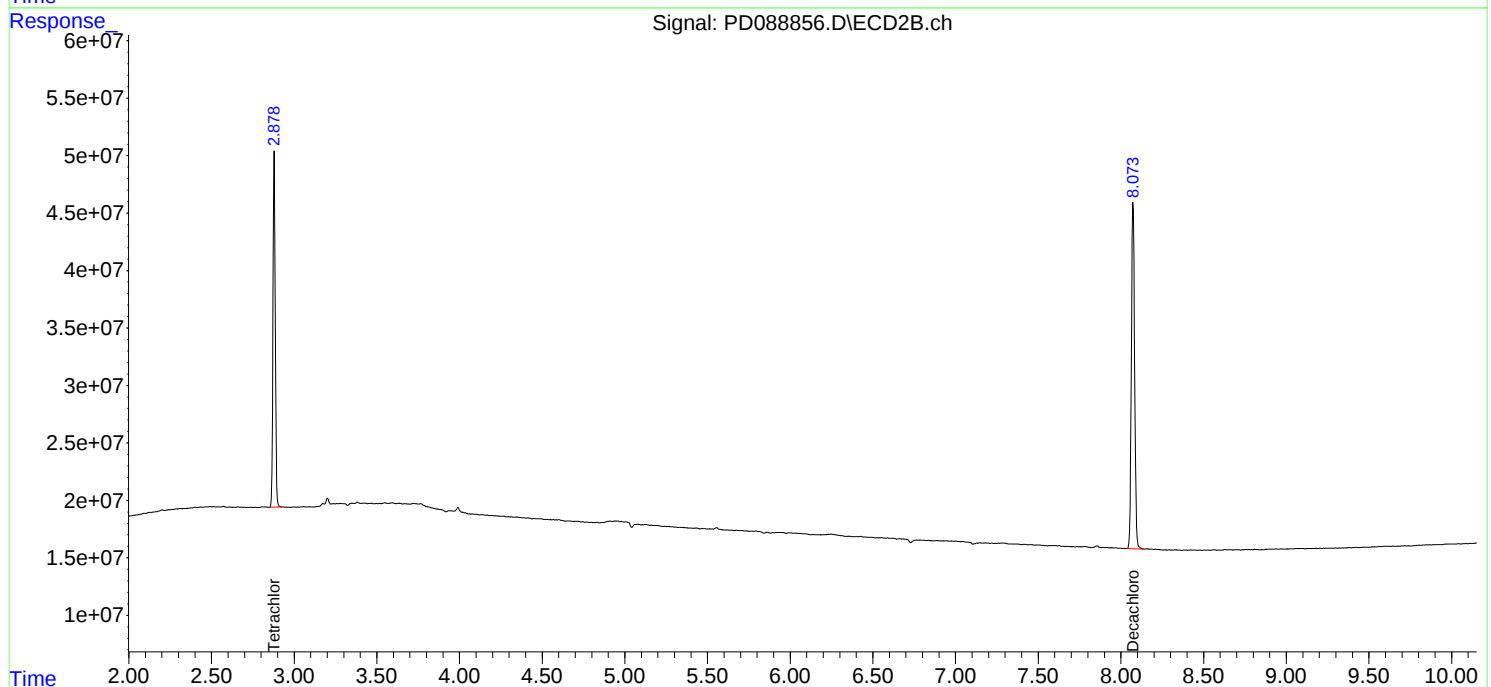
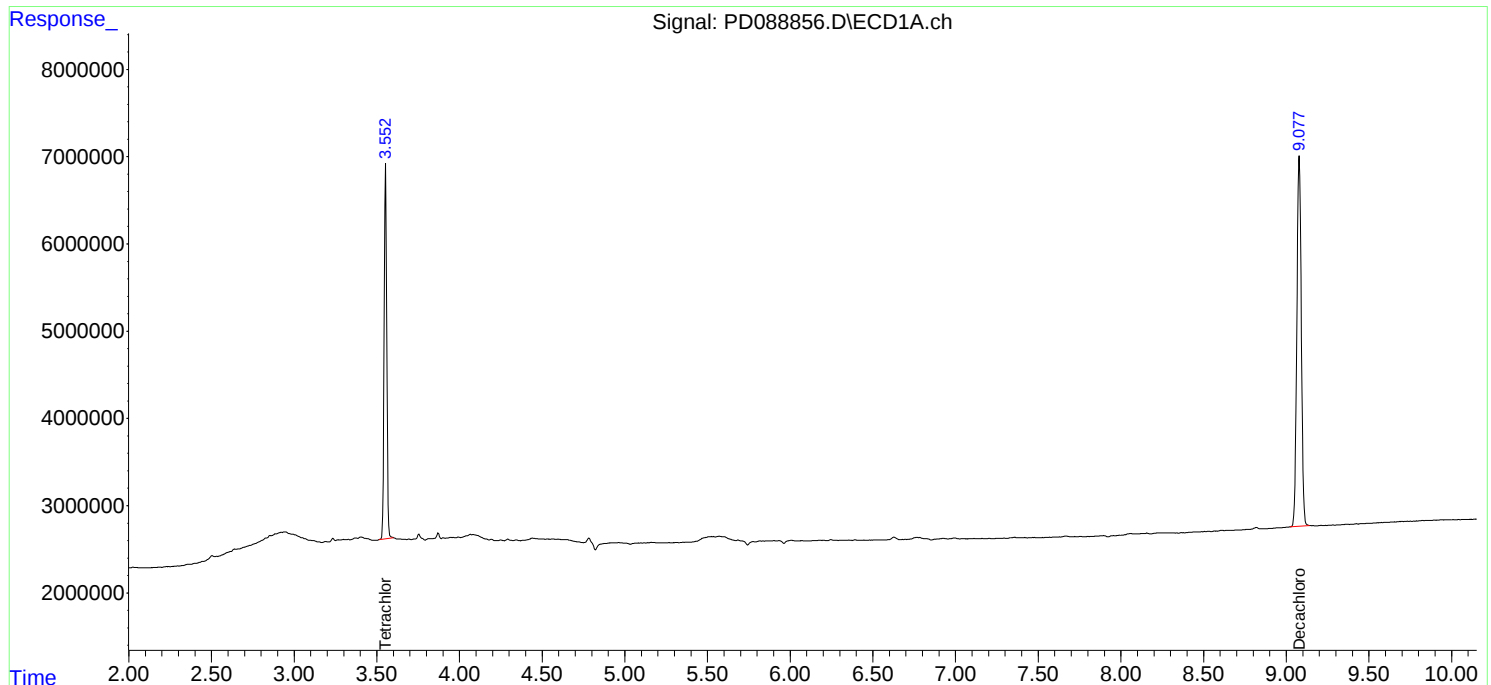
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

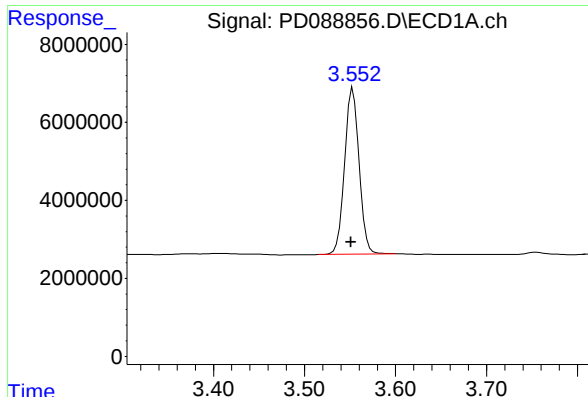
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
Data File : PD088856.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 12:14
Operator : AR\AJ
Sample : PB168350BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168350BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 14:12:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

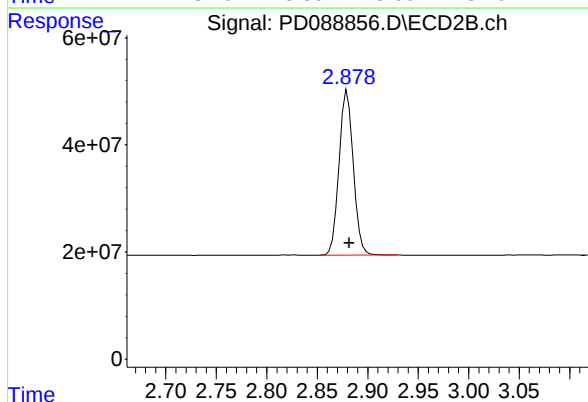




#1 Tetrachloro-m-xylene

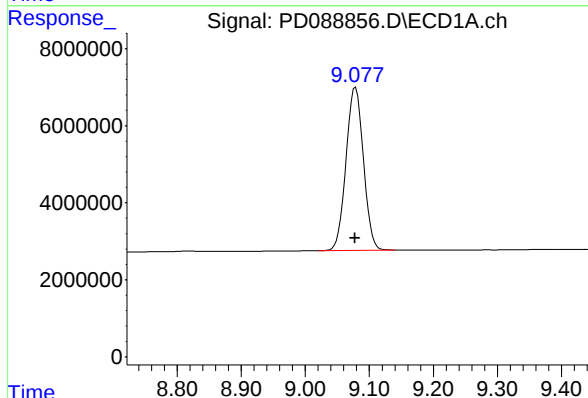
R.T.: 3.553 min
Delta R.T.: 0.002 min
Response: 47215949
Conc: 21.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168350BL



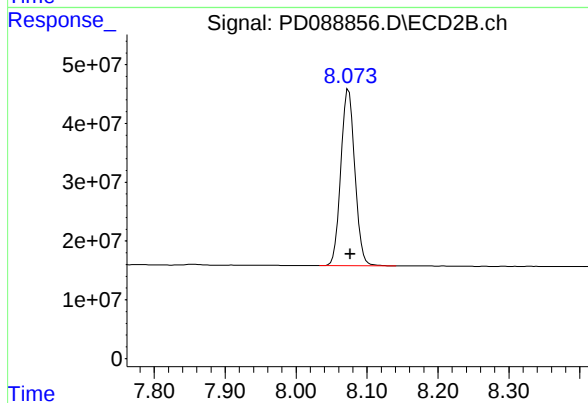
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.002 min
Response: 302605213
Conc: 20.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.078 min
Delta R.T.: 0.001 min
Response: 79925922
Conc: 23.35 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.002 min
Response: 412691309
Conc: 22.61 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	05/19/25
Project:	Raymark Superfund Site	Date Received:	05/19/25
Client Sample ID:	PIBLK-PD088583.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PD088583.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
PD088583.D	1		05/19/25	PD051925

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	0.000050	U	0.000017	0.000050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	18.4		30 - 135		92%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.9		44 - 124		84%	SPK: 20

Report of Analysis

Client:	Nobis Group	Date Collected:	05/19/25
Project:	Raymark Superfund Site	Date Received:	05/19/25
Client Sample ID:	PIBLK-PD088583.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PD088583.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
PD088583.D	1		05/19/25	PD051925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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\PD051925\
 Data File : PD088583.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 10:50
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 13:59:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 13:57:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	2.882	35746806	254.9E6	16.521	16.853
28) SA Decachlor...	9.076	8.075	63010697	329.2E6	18.412	18.033

Target Compounds

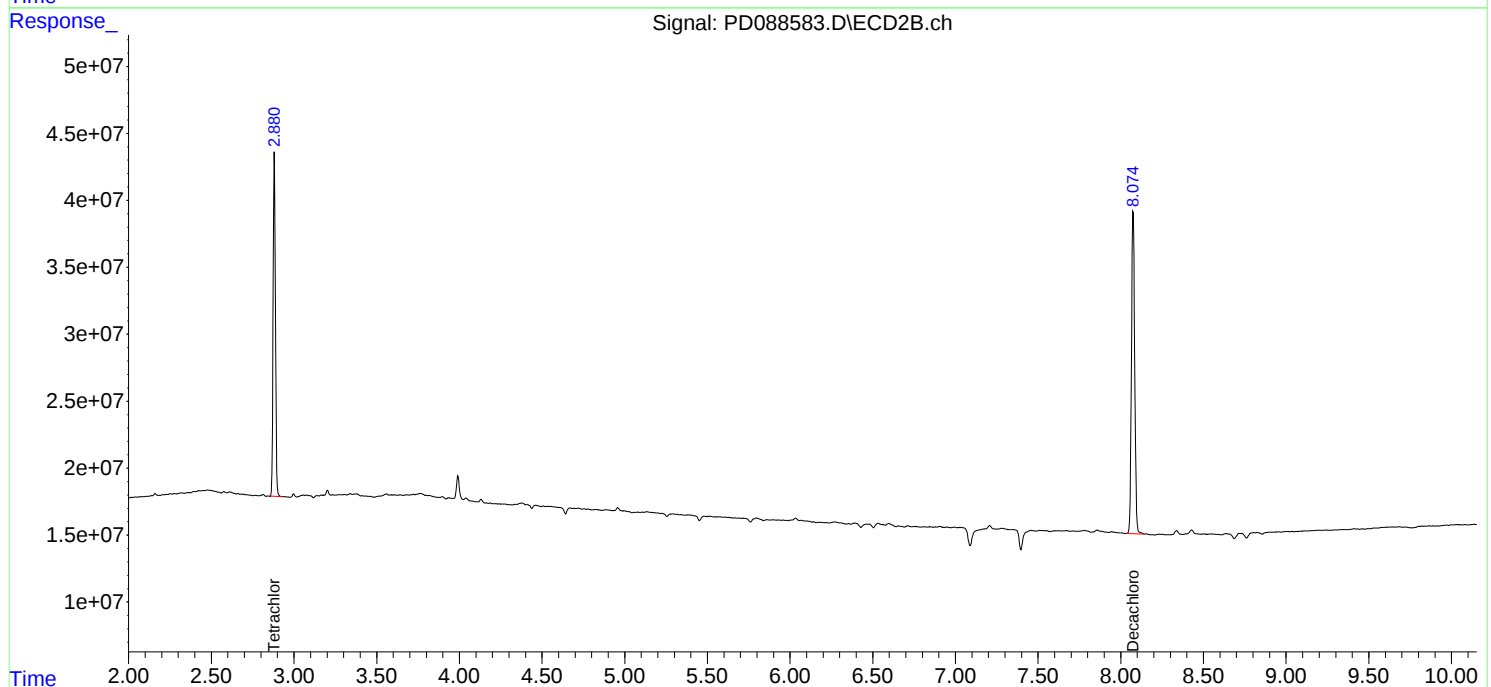
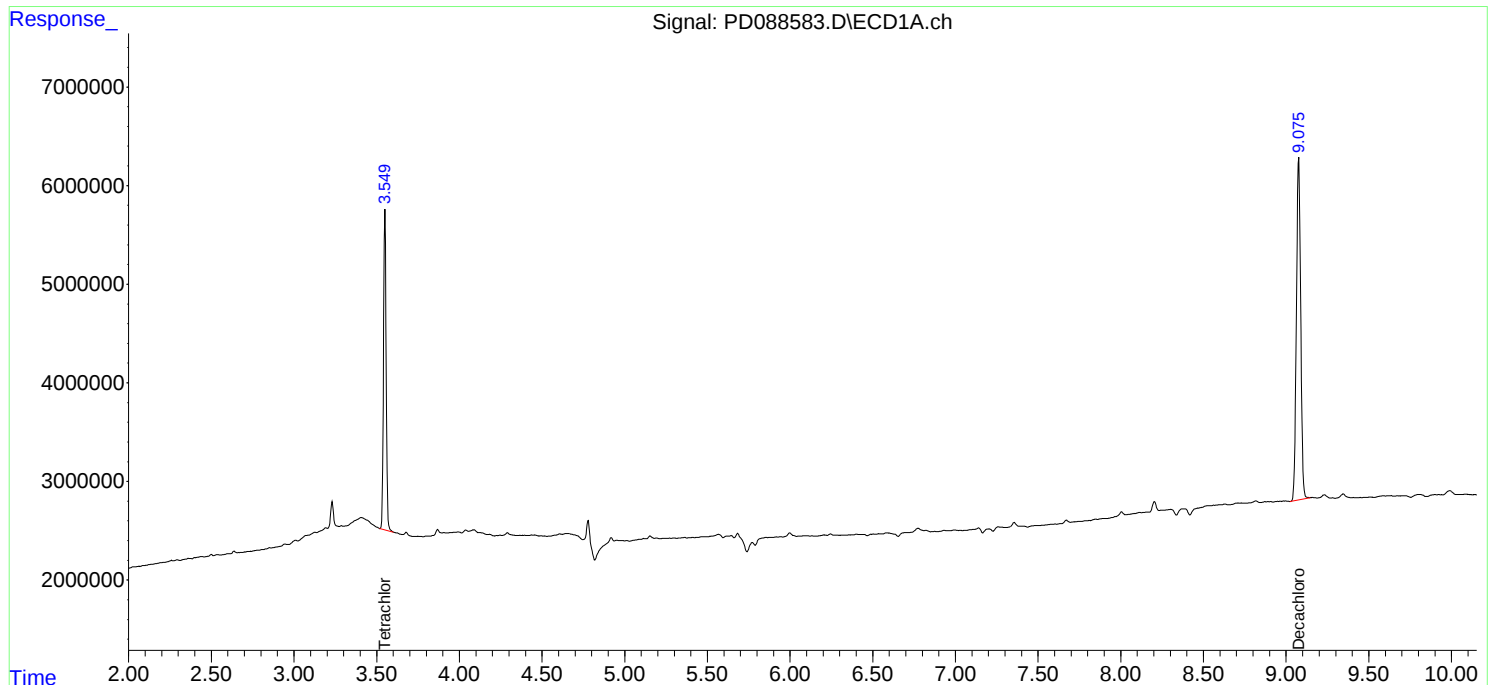
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

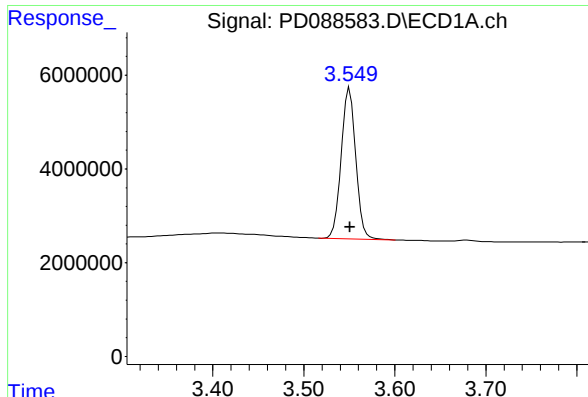
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088583.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 10:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 13:59:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 13:57:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

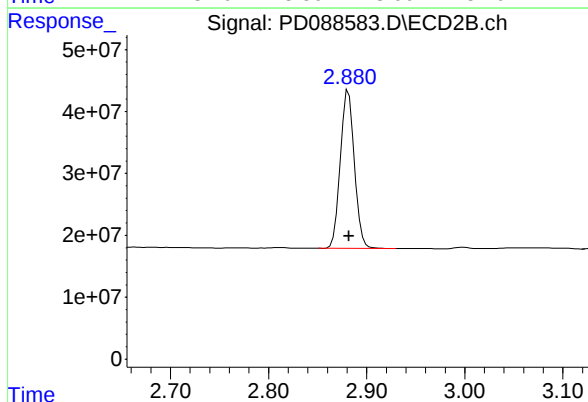




#1 Tetrachloro-m-xylene

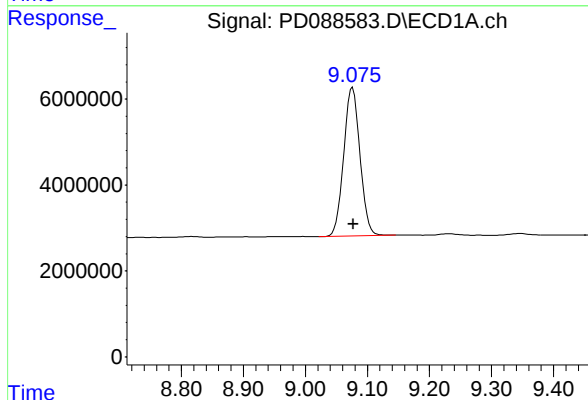
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 35746806
Conc: 16.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



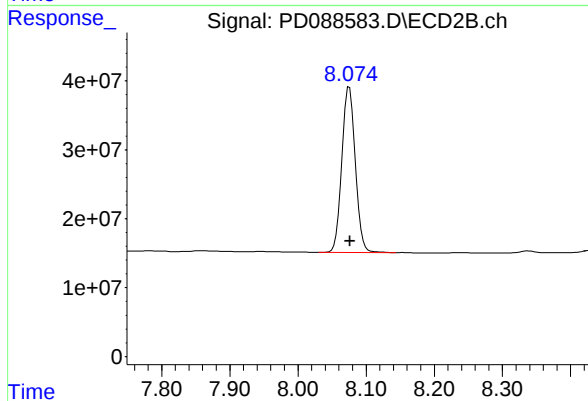
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 254929040
Conc: 16.85 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.076 min
Delta R.T.: -0.001 min
Response: 63010697
Conc: 18.41 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.001 min
Response: 329217471
Conc: 18.03 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	06/10/25
Project:	Raymark Superfund Site	Date Received:	06/10/25
Client Sample ID:	PIBLK-PD088853.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PD088853.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
PD088853.D	1		06/10/25	PD061025

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	0.000050	U	0.000017	0.000050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	25.2		30 - 135		126%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.7		44 - 124		123%	SPK: 20

Report of Analysis

Client:	Nobis Group	Date Collected:	06/10/25
Project:	Raymark Superfund Site	Date Received:	06/10/25
Client Sample ID:	PIBLK-PD088853.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PD088853.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088853.D	1		06/10/25	PD061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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\PD061025\
Data File : PD088853.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 09:06
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: Jun 10 14:11:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.549	2.879	53424147	340.6E6	24.691	22.514
28) SA Decachlor...	9.075	8.073	86096941	448.2E6	25.157	24.550

Target Compounds

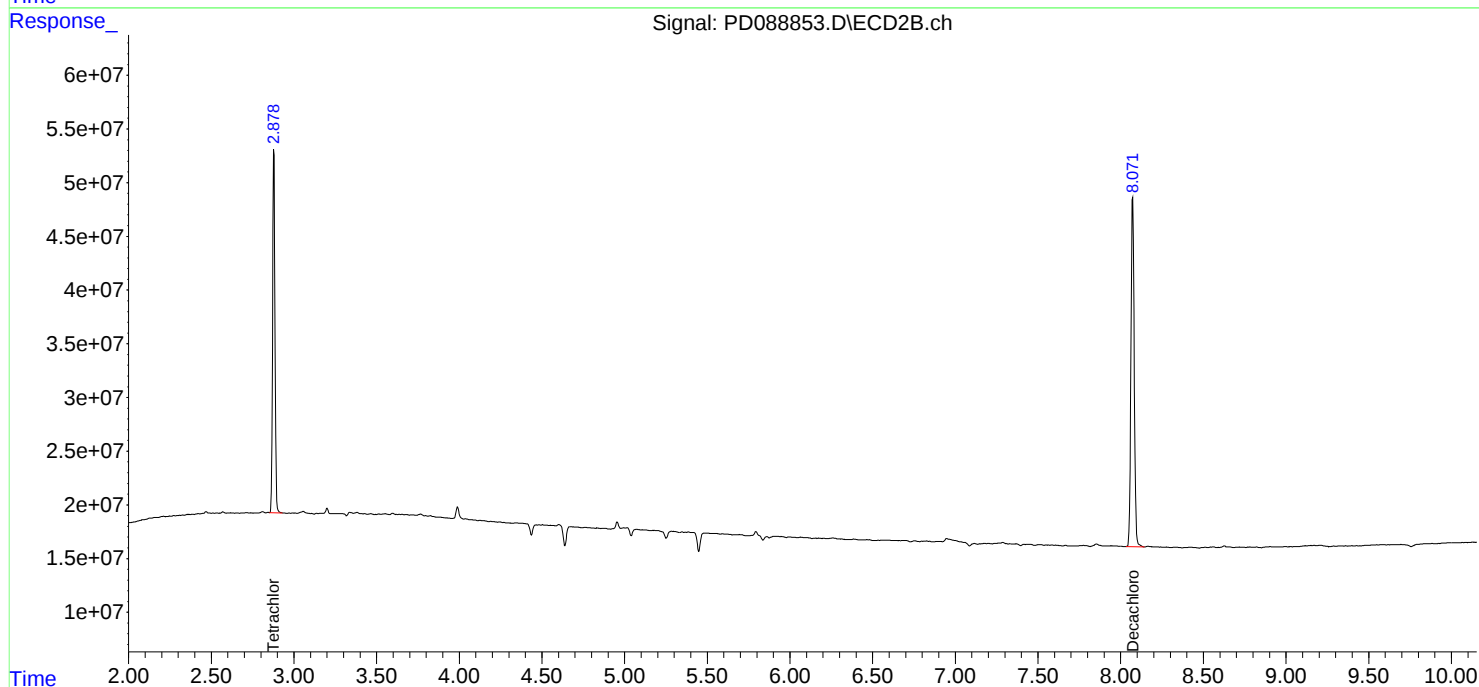
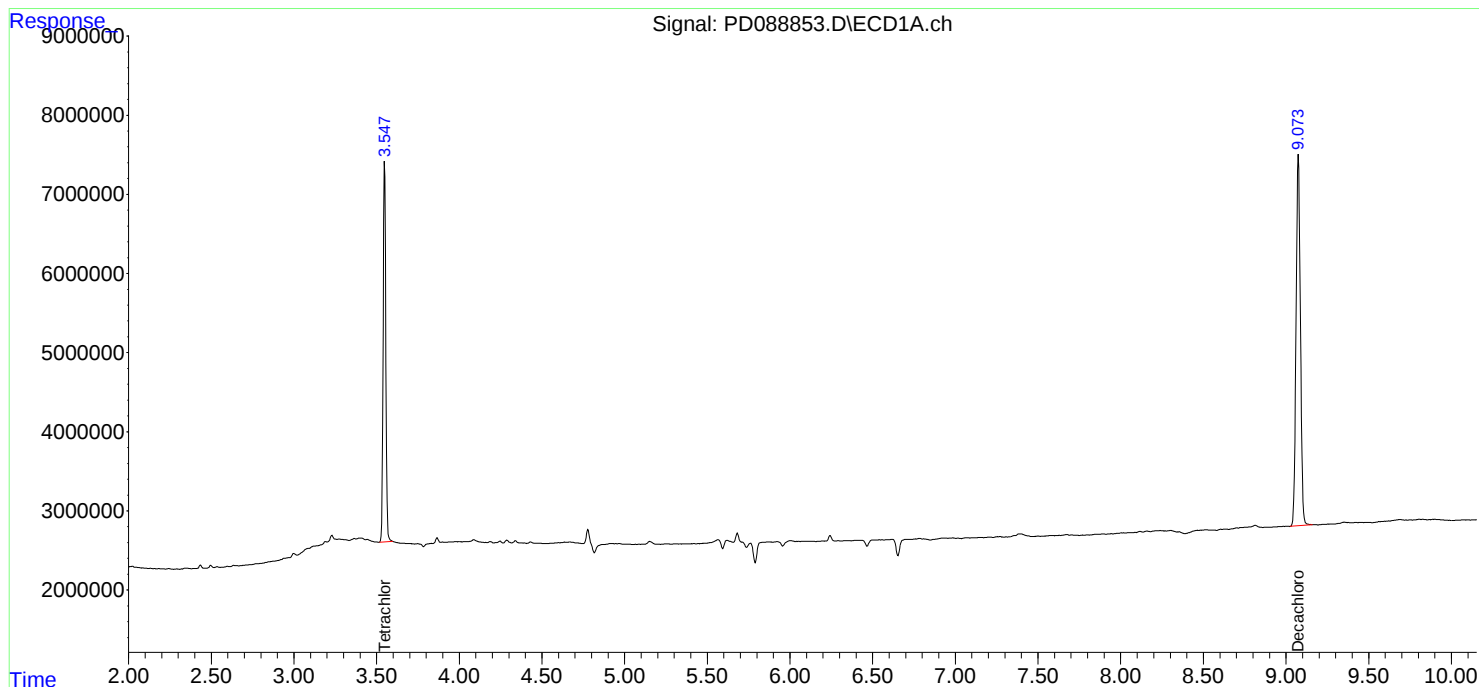
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

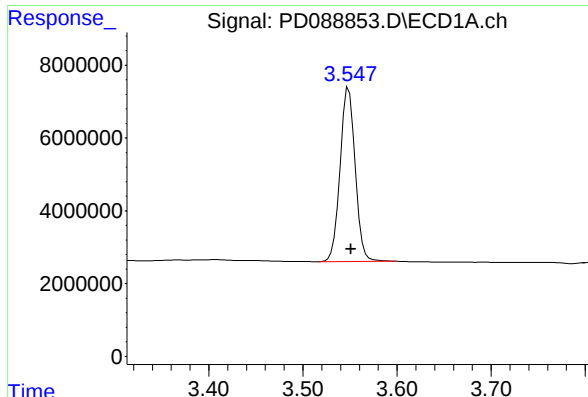
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
Data File : PD088853.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 09:06
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 14:11:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

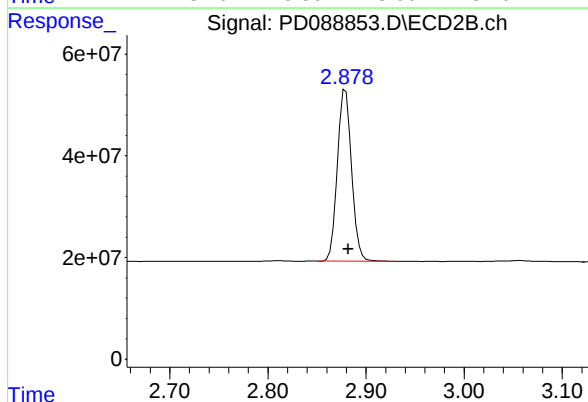




#1 Tetrachloro-m-xylene

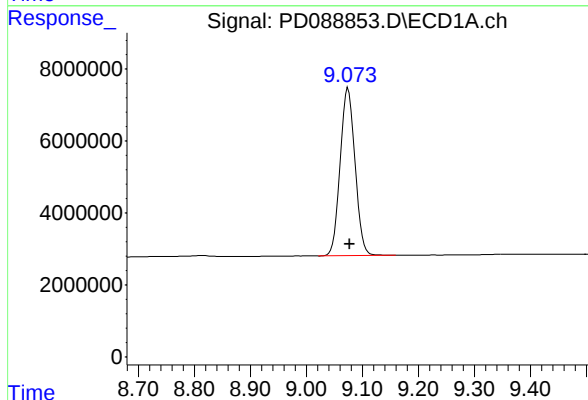
R.T.: 3.549 min
Delta R.T.: -0.002 min
Response: 53424147
Conc: 24.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



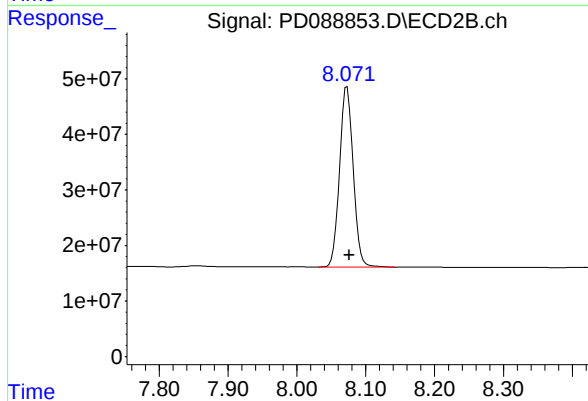
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 340560301
Conc: 22.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: -0.003 min
Response: 86096941
Conc: 25.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.073 min
Delta R.T.: -0.004 min
Response: 448189146
Conc: 24.55 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	06/10/25
Project:	Raymark Superfund Site	Date Received:	06/10/25
Client Sample ID:	PIBLK-PD088865.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PD088865.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088865.D	1		06/10/25	PD061025

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	0.000050	U	0.000017	0.000050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	25.0		30 - 135		125%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.2		44 - 124		121%	SPK: 20

Report of Analysis

Client:	Nobis Group	Date Collected:	06/10/25
Project:	Raymark Superfund Site	Date Received:	06/10/25
Client Sample ID:	PIBLK-PD088865.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PD088865.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088865.D	1		06/10/25	PD061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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\PD061025\
Data File : PD088865.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 14:35
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 10 14:48:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.549	2.880	52377077	337.5E6	24.207	22.312
28) SA Decachlor...	9.072	8.072	85618036	443.5E6	25.017	24.295

Target Compounds

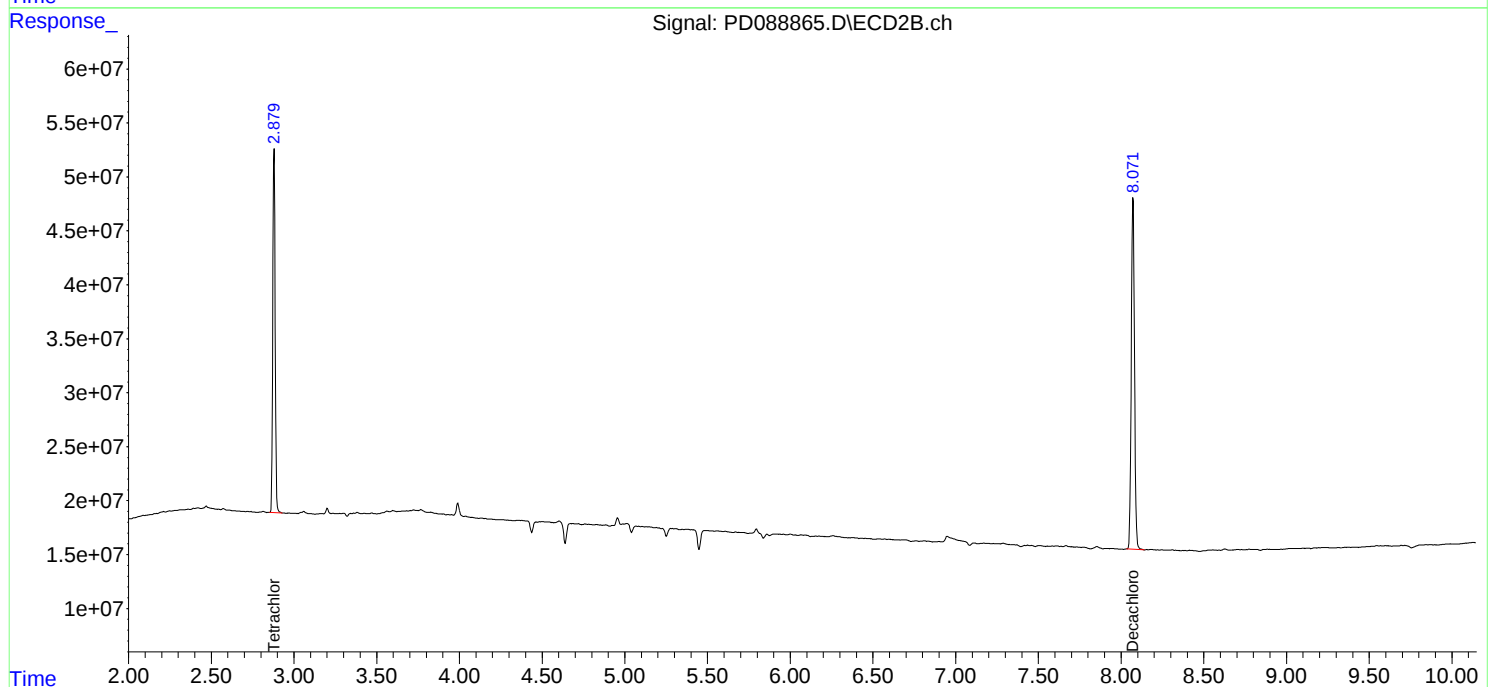
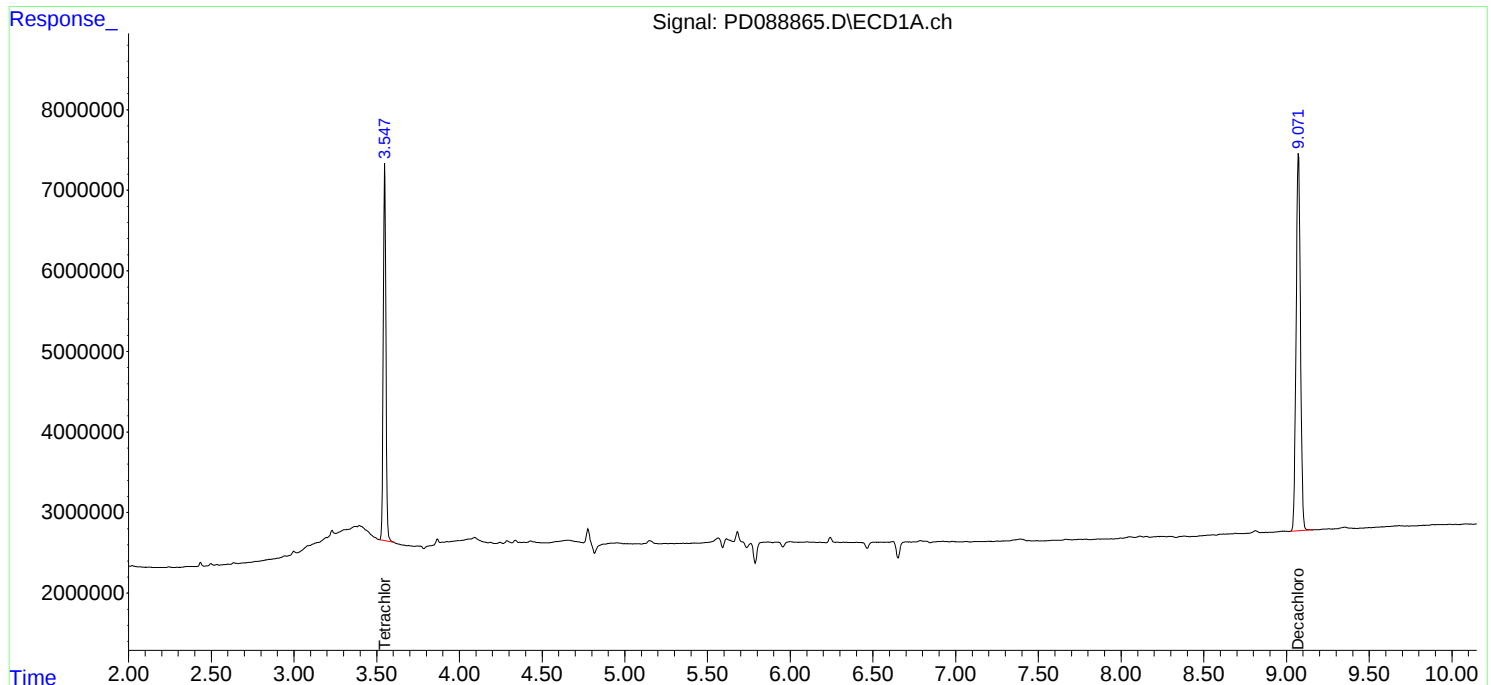
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

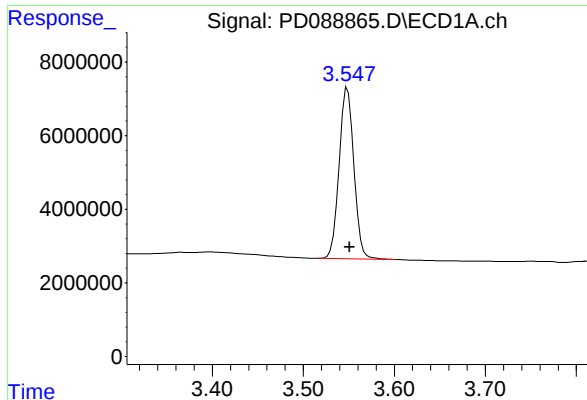
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
Data File : PD088865.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 14:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 14:48:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

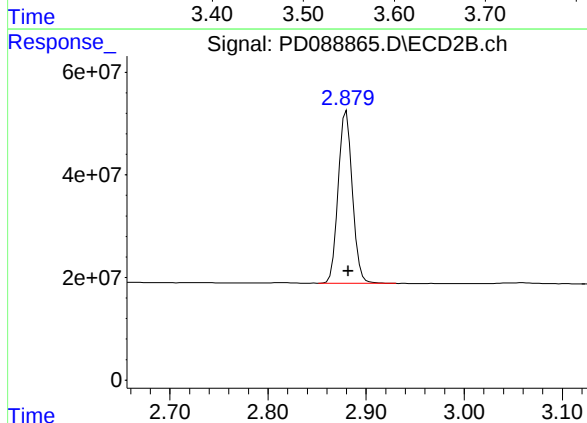




#1 Tetrachloro-m-xylene

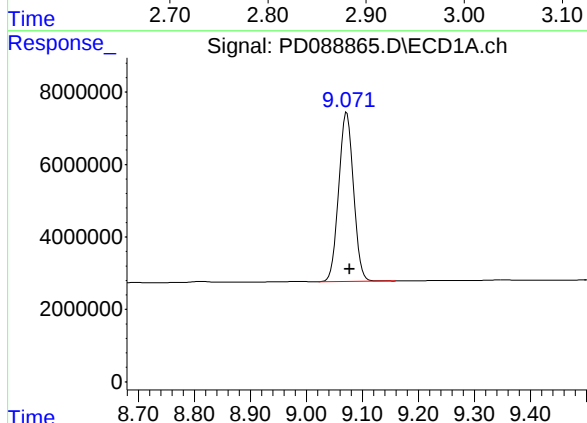
R.T.: 3.549 min
Delta R.T.: -0.002 min
Response: 52377077
Conc: 24.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



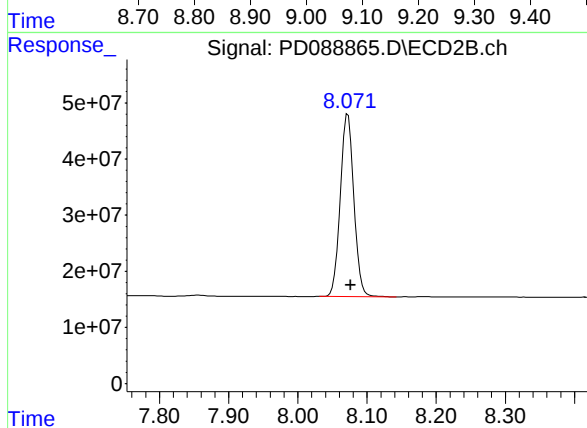
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.002 min
Response: 337515427
Conc: 22.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.005 min
Response: 85618036
Conc: 25.02 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: -0.004 min
Response: 443545513
Conc: 24.30 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	06/10/25
Project:	Raymark Superfund Site	Date Received:	06/10/25
Client Sample ID:	PIBLK-PD088878.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PD088878.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088878.D	1		06/10/25	pd061025

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	22.4		44 - 124		112%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	06/10/25	
Project:	Raymark Superfund Site		Date Received:	06/10/25	
Client Sample ID:	PIBLK-PD088878.D		SDG No.:	Q2259	
Lab Sample ID:	I.BLK-PD088878.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
PD088878.D	1		06/10/25	pd061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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\PD061025\
Data File : PD088878.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 17:33
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 07:41:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.549	2.880	48450414	322.1E6	22.392	21.292
28) SA Decachlor...	9.072	8.073	69264776	325.0E6	20.239	17.805

Target Compounds

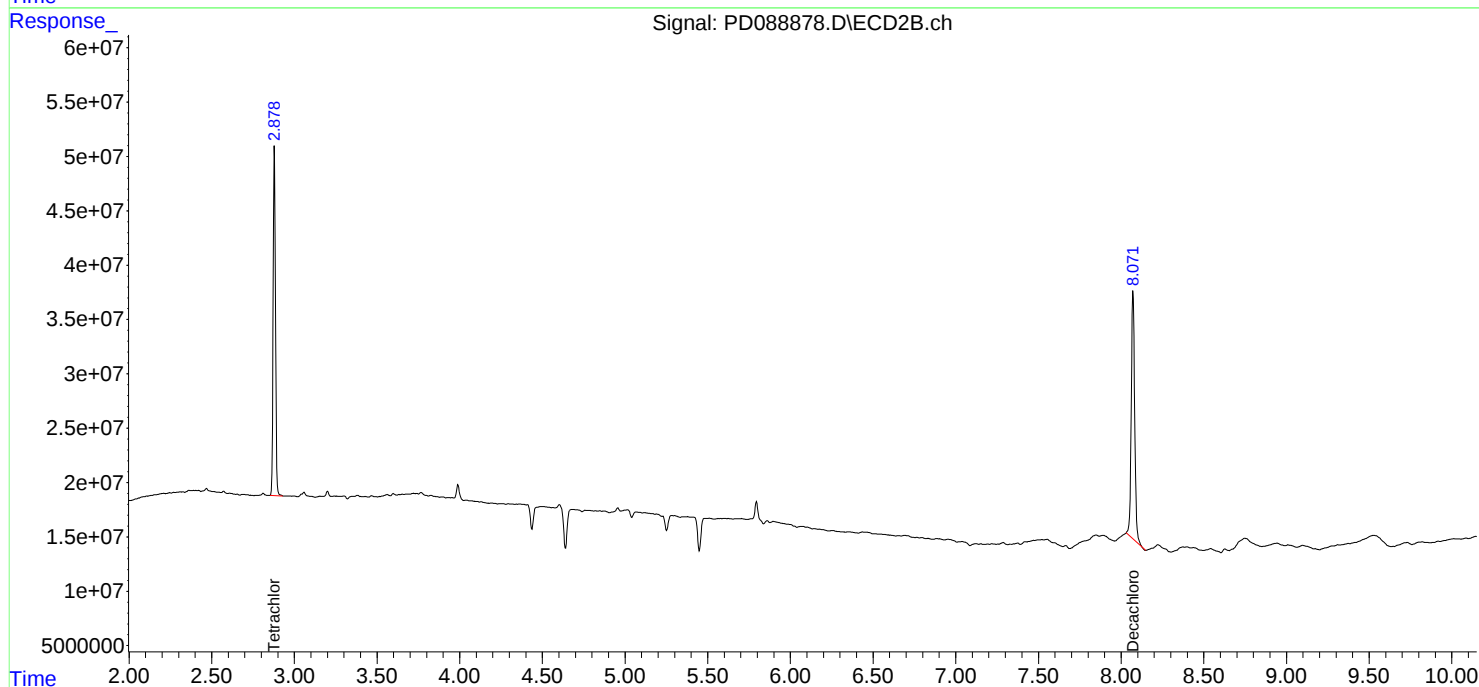
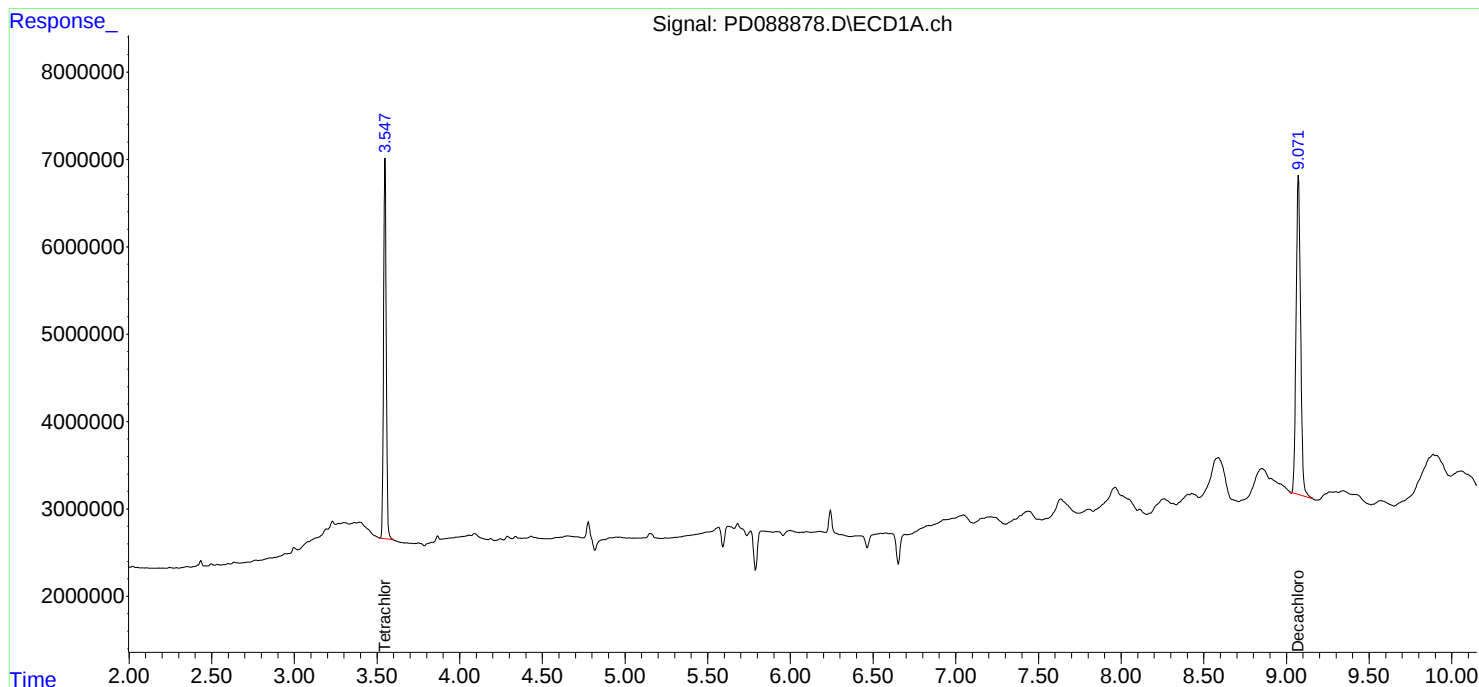
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

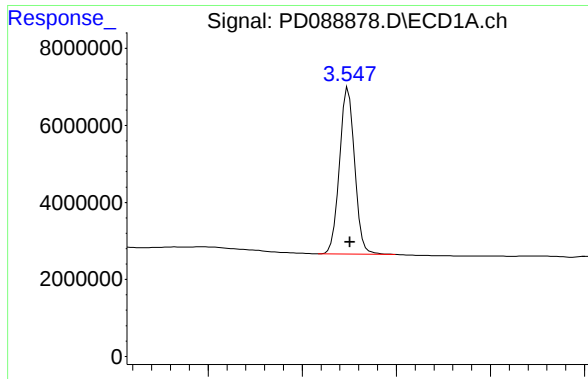
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
Data File : PD088878.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 17:33
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 07:41:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

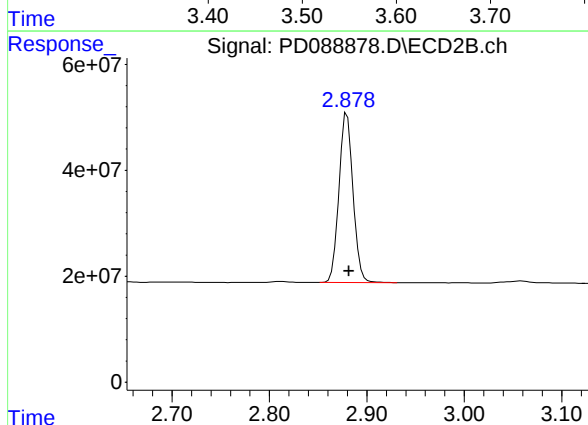




#1 Tetrachloro-m-xylene

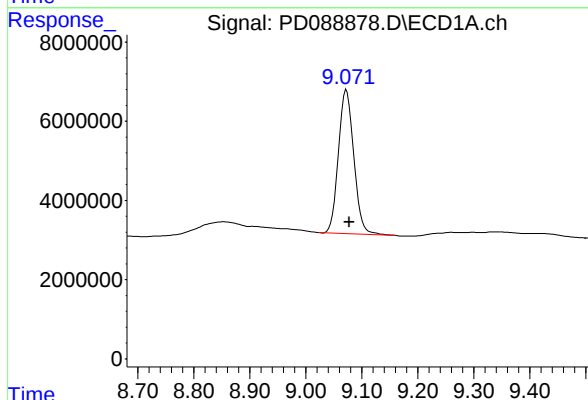
R.T.: 3.549 min
Delta R.T.: -0.002 min
Response: 48450414
Conc: 22.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



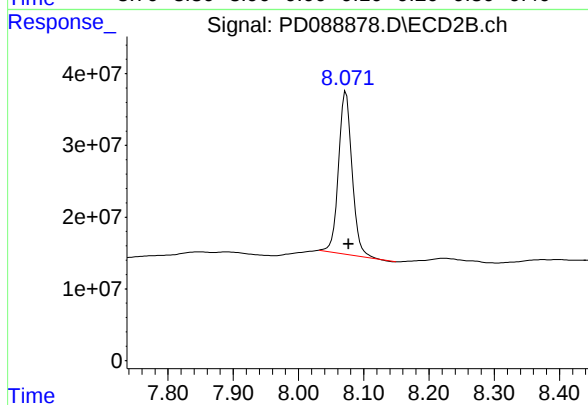
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.002 min
Response: 322081577
Conc: 21.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.005 min
Response: 69264776
Conc: 20.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.073 min
Delta R.T.: -0.004 min
Response: 325045123
Conc: 17.80 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	06/10/25
Project:	Raymark Superfund Site	Date Received:	06/10/25
Client Sample ID:	PIBLK-PD088890.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PD088890.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
			uL
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088890.D	1		06/10/25	pd061025

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	0.000050	U	0.000017	0.000050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.0		30 - 135		110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.0		44 - 124		115%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	06/10/25	
Project:	Raymark Superfund Site		Date Received:	06/10/25	
Client Sample ID:	PIBLK-PD088890.D		SDG No.:	Q2259	
Lab Sample ID:	I.BLK-PD088890.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
PD088890.D	1		06/10/25	pd061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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\PD061025\
Data File : PD088890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 20:30
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 07:44:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.549	2.880	49781669	323.7E6	23.007	21.400
28) SA Decachlor...	9.072	8.072	75295786	375.5E6	22.001	20.569

Target Compounds

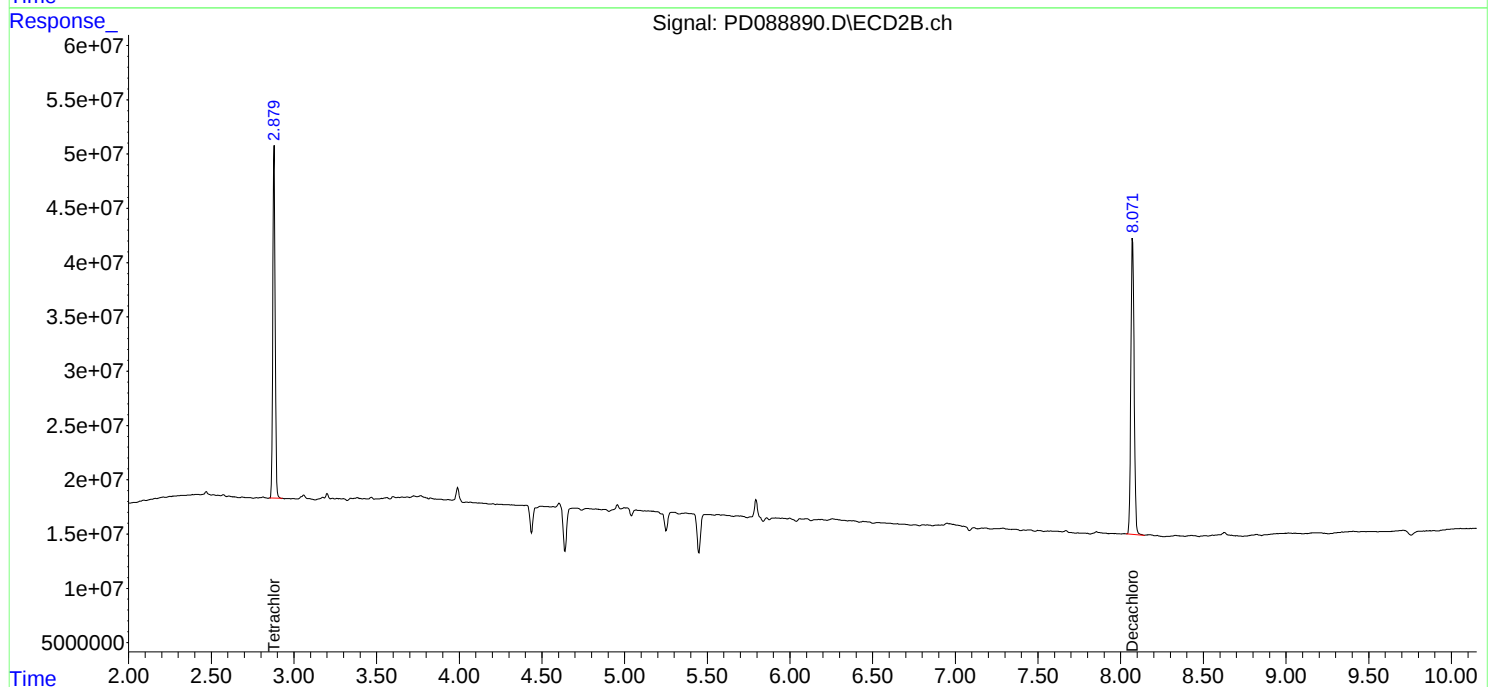
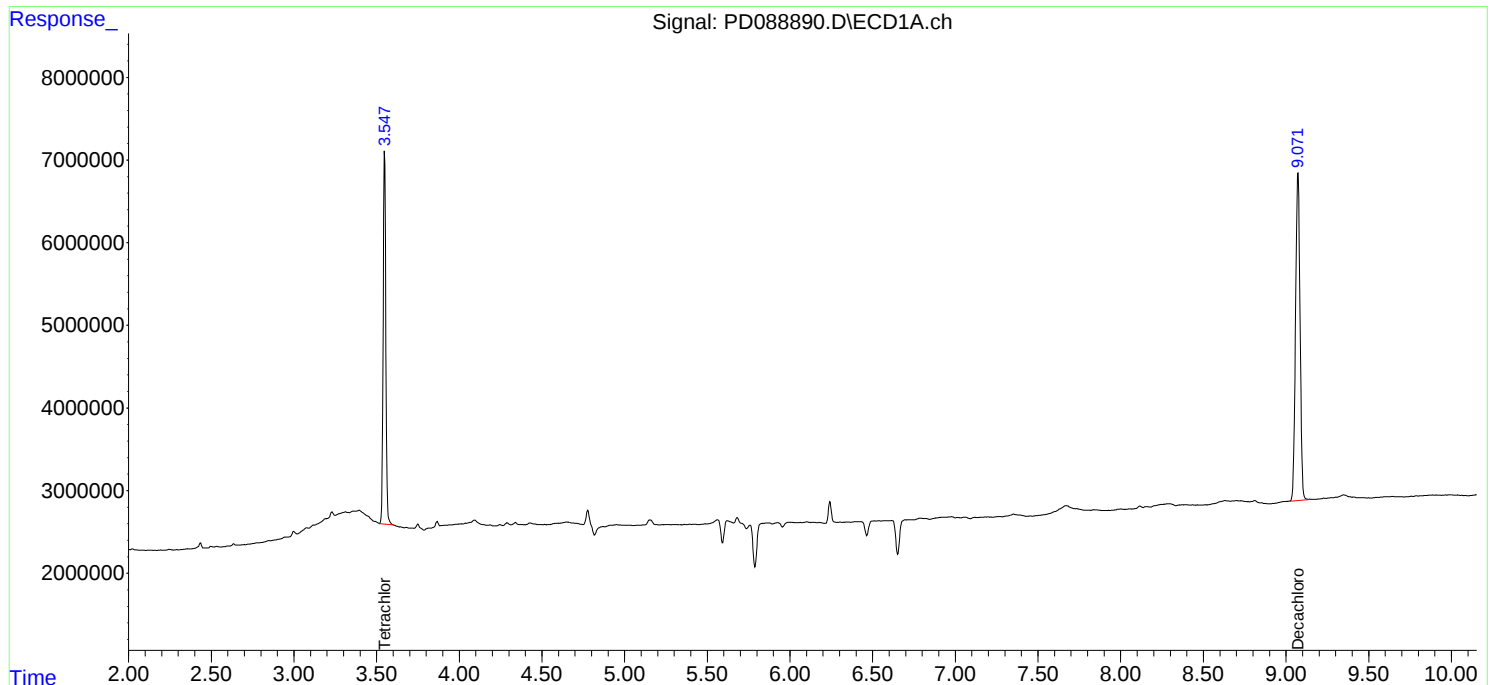
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

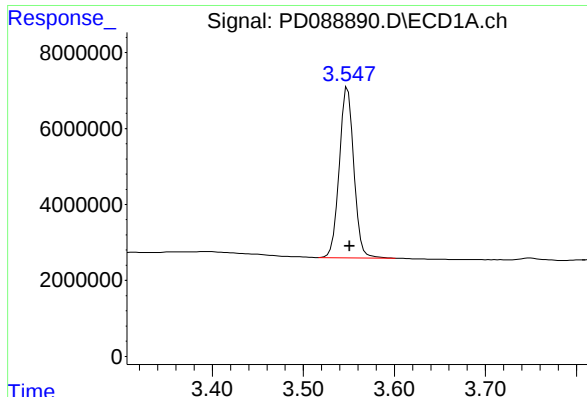
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
Data File : PD088890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 20:30
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 07:44:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

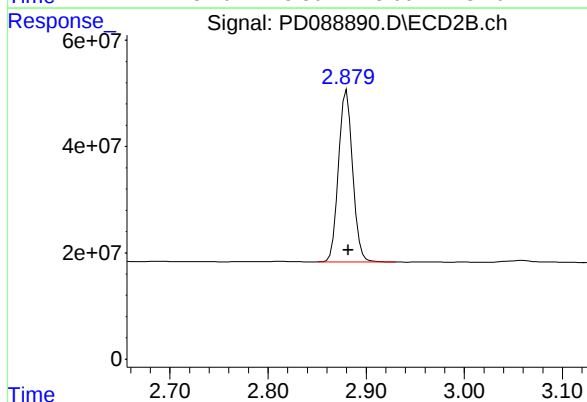




#1 Tetrachloro-m-xylene

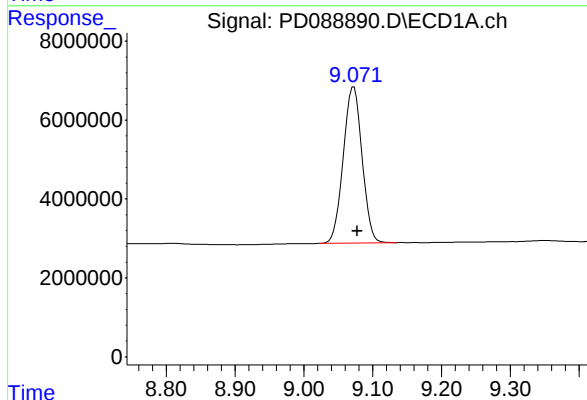
R.T.: 3.549 min
Delta R.T.: -0.002 min
Response: 49781669
Conc: 23.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



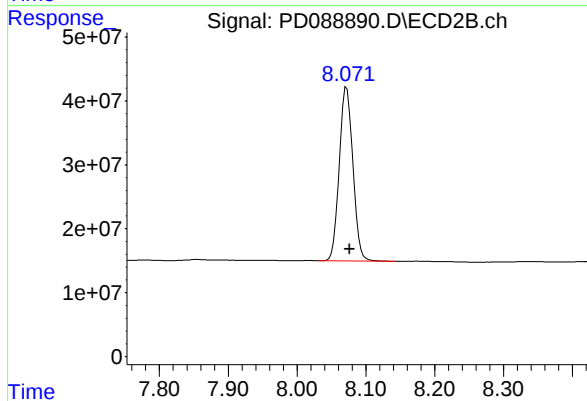
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.001 min
Response: 323715494
Conc: 21.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.005 min
Response: 75295786
Conc: 22.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: -0.004 min
Response: 375505898
Conc: 20.57 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	06/11/25
Project:	Raymark Superfund Site	Date Received:	06/11/25
Client Sample ID:	PIBLK-PD088902.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PD088902.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088902.D	1		06/11/25	pd061125

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	0.000050	U	0.000017	0.000050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.5		30 - 135		112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.5		44 - 124		117%	SPK: 20

Report of Analysis

Client:	Nobis Group	Date Collected:	06/11/25
Project:	Raymark Superfund Site	Date Received:	06/11/25
Client Sample ID:	PIBLK-PD088902.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PD088902.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088902.D	1		06/11/25	pd061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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\PD061125\
Data File : PD088902.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 08:20
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 12 07:37:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.548	2.879	50842239	328.0E6	23.497	21.680
28) SA Decachlor...	9.074	8.072	76855859	397.1E6	22.457	21.753

Target Compounds

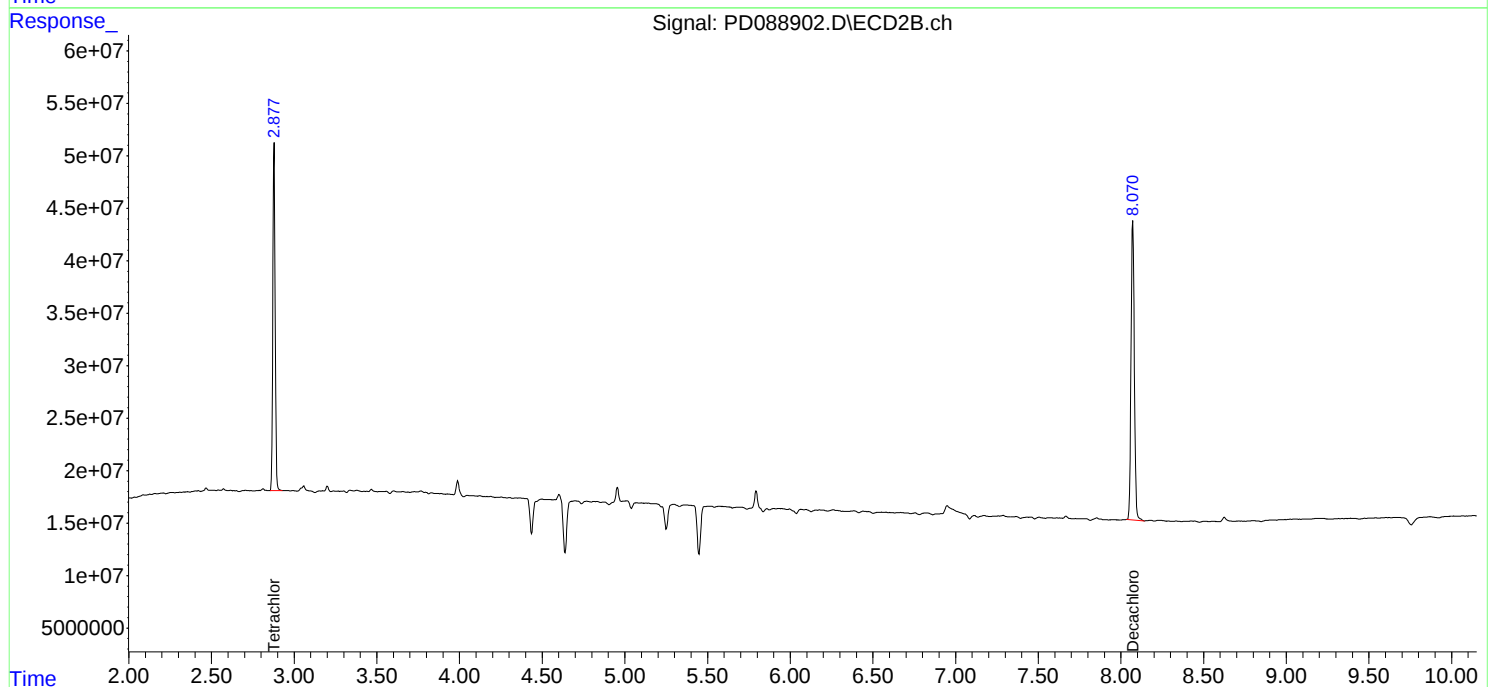
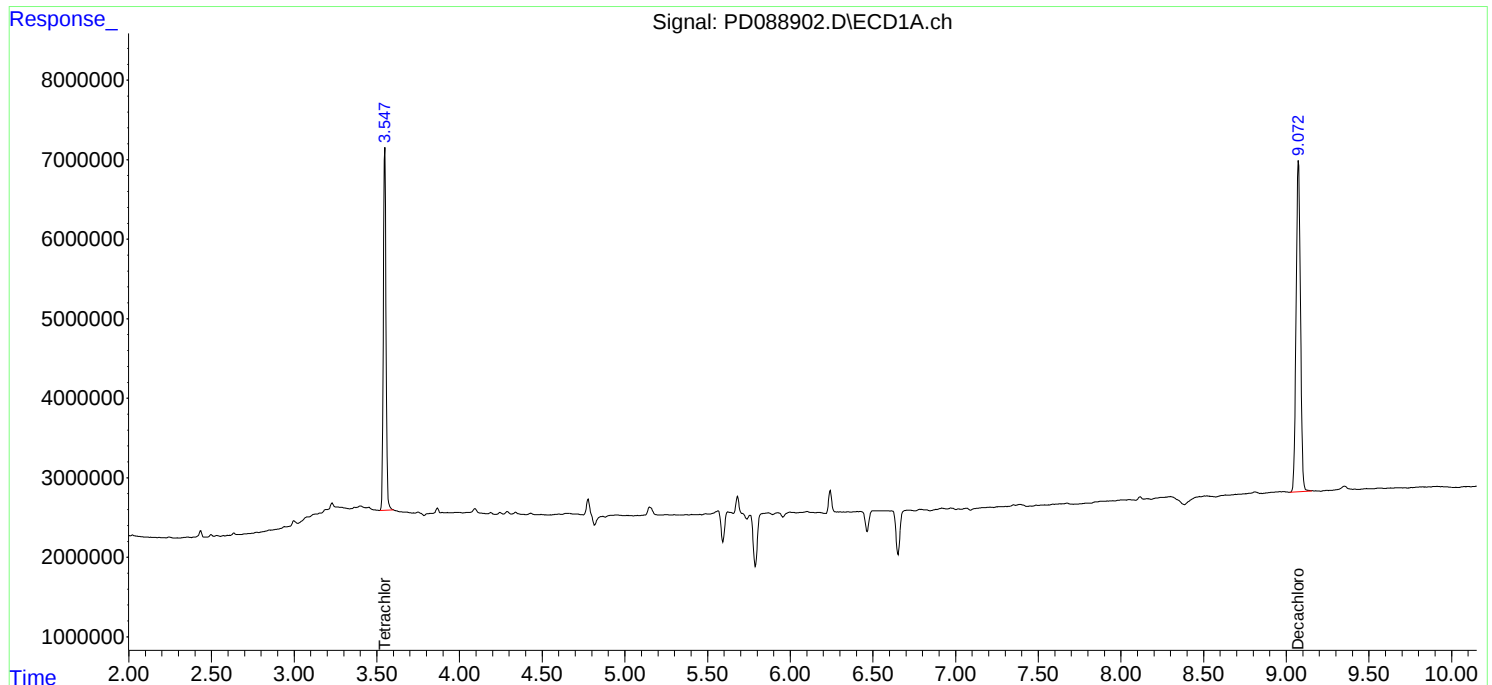
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

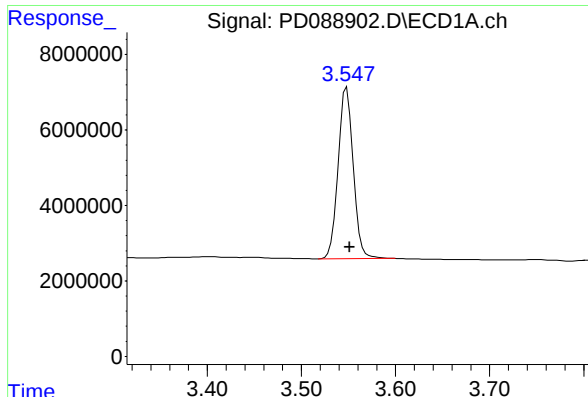
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061125\
Data File : PD088902.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 08:20
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 07:37:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

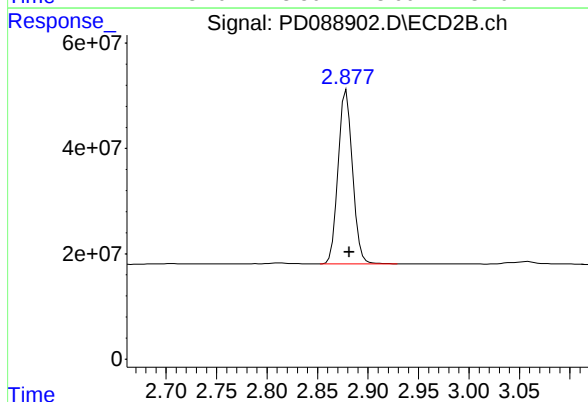




#1 Tetrachloro-m-xylene

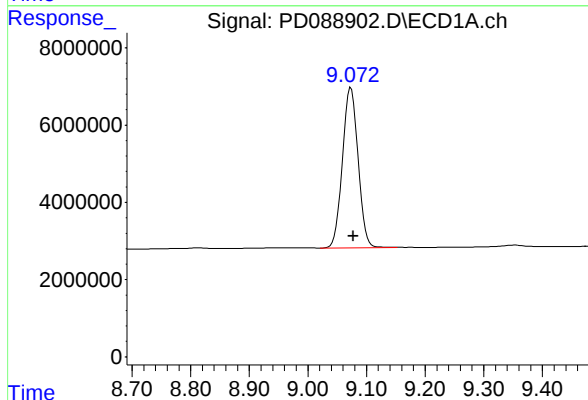
R.T.: 3.548 min
Delta R.T.: -0.003 min
Response: 50842239
Conc: 23.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



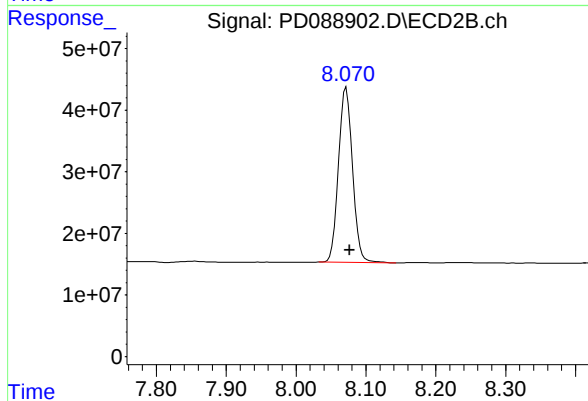
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.003 min
Response: 327950959
Conc: 21.68 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: -0.004 min
Response: 76855859
Conc: 22.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: -0.005 min
Response: 397135040
Conc: 21.75 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	06/11/25
Project:	Raymark Superfund Site	Date Received:	06/11/25
Client Sample ID:	PIBLK-PD088913.D	SDG No.:	Q2259
Lab Sample ID:	I.BLK-PD088913.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
			uL
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088913.D	1		06/11/25	pd061125

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	0.000050	U	0.000017	0.000050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.9		30 - 135		114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.9		44 - 124		115%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	06/11/25	
Project:	Raymark Superfund Site		Date Received:	06/11/25	
Client Sample ID:	PIBLK-PD088913.D		SDG No.:	Q2259	
Lab Sample ID:	I.BLK-PD088913.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
PD088913.D	1		06/11/25	pd061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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\PD061125\
Data File : PD088913.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 12:44
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: Jun 12 07:39:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.555	2.879	49615454	317.5E6	22.930	20.990
28) SA Decachlor...	9.079	8.074	78342234	404.8E6	22.891	22.173

Target Compounds

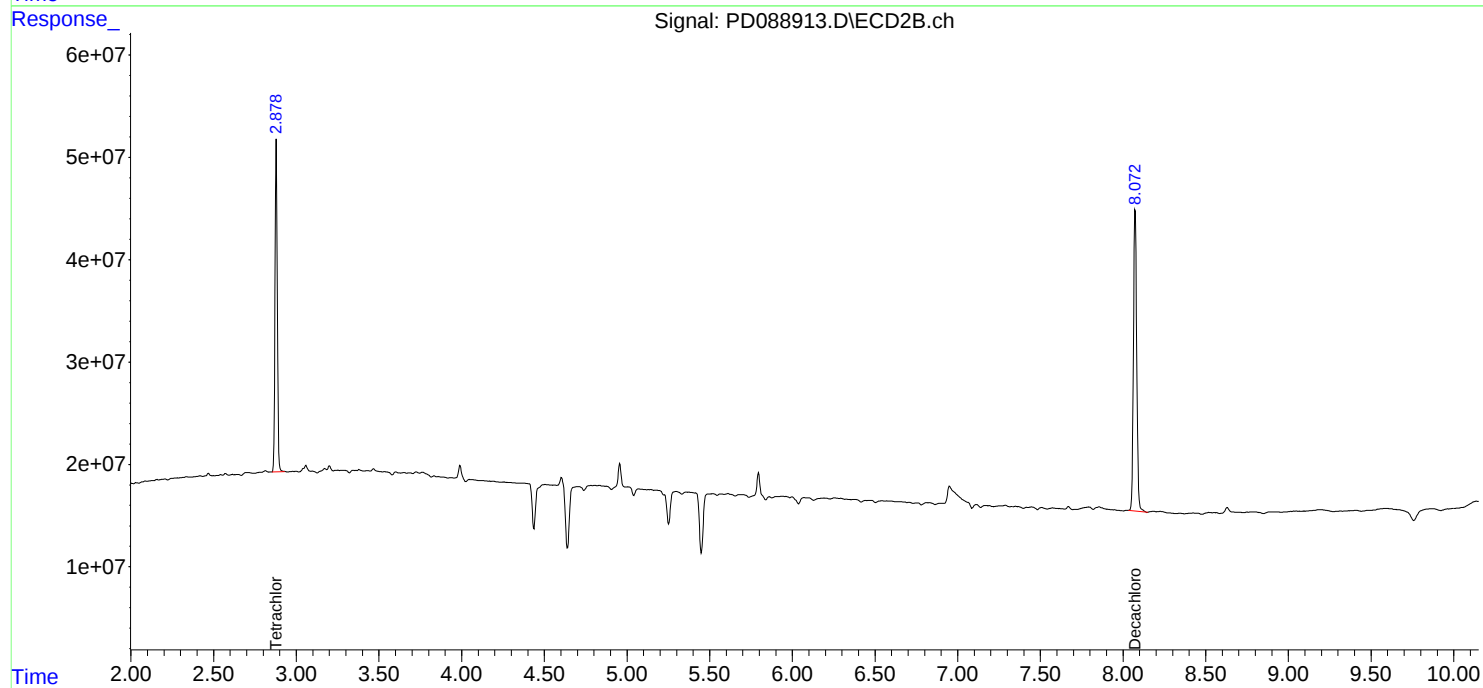
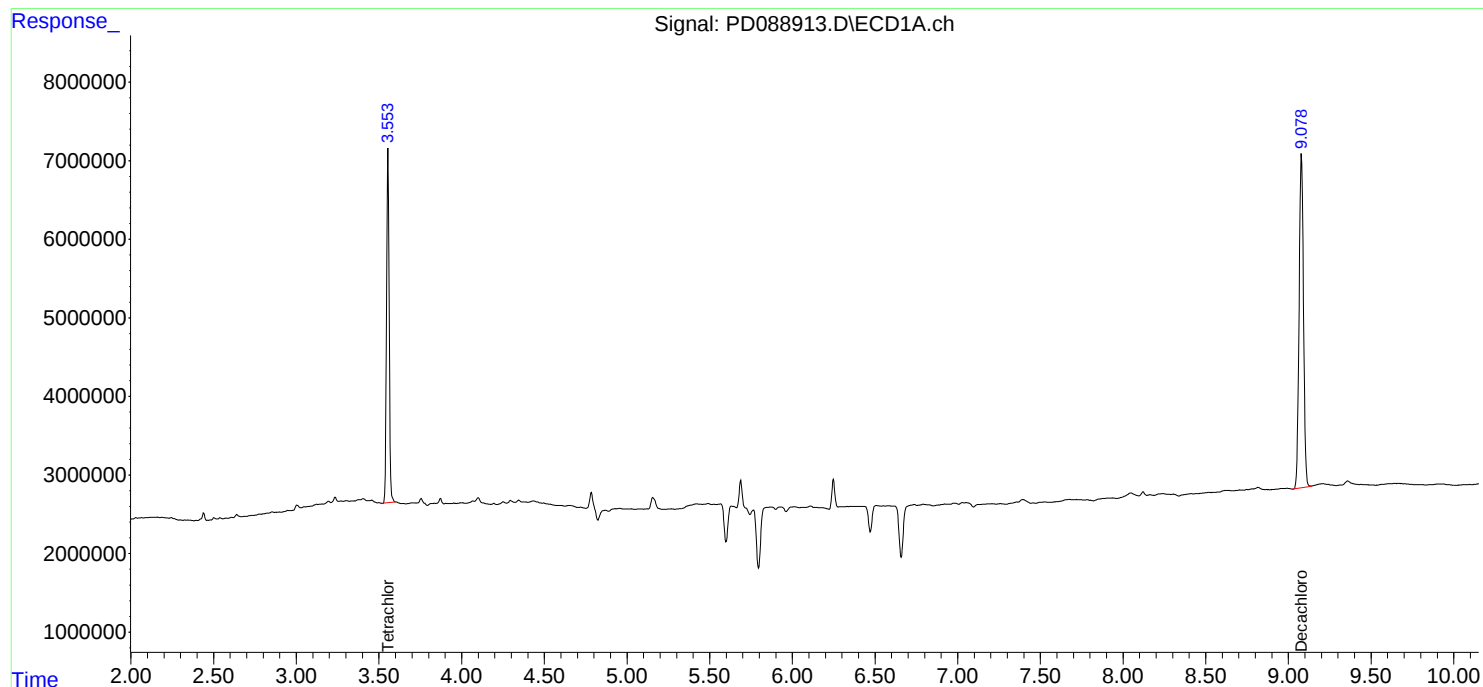
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

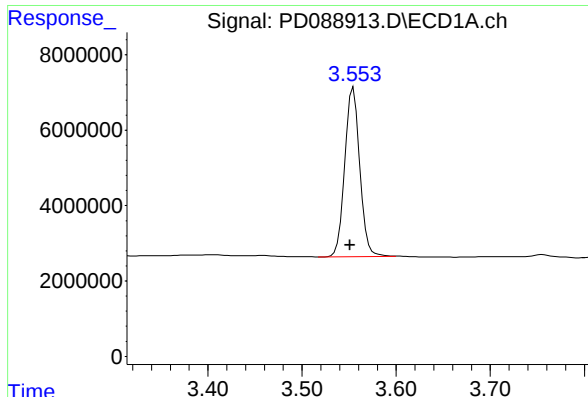
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061125\
Data File : PD088913.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 12:44
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 07:39:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

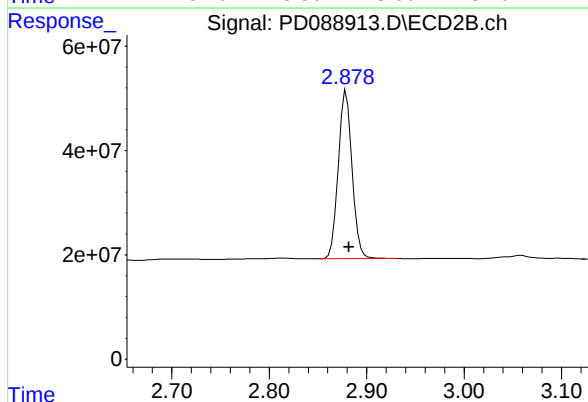




#1 Tetrachloro-m-xylene

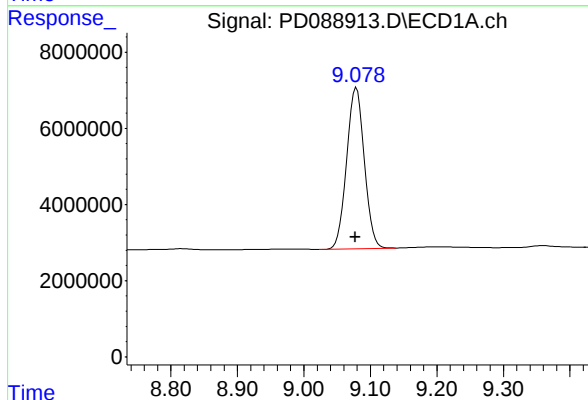
R.T.: 3.555 min
Delta R.T.: 0.004 min
Response: 49615454
Conc: 22.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



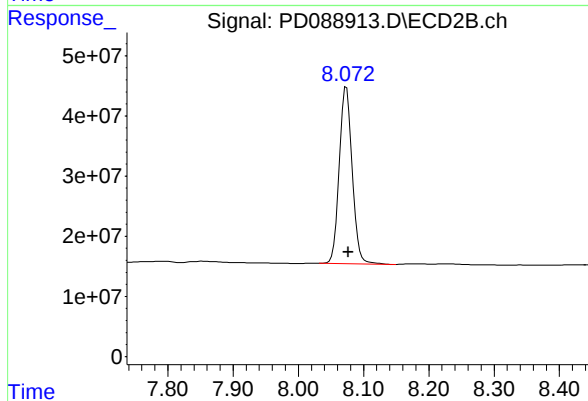
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.003 min
Response: 317505418
Conc: 20.99 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.079 min
Delta R.T.: 0.002 min
Response: 78342234
Conc: 22.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 404799011
Conc: 22.17 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168350BS	SDG No.:	Q2259
Lab Sample ID:	PB168350BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088857.D	1	06/09/25 09:11	06/10/25 12:28	PB168350

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.018		0.00013	0.00033	0.0017	mg/Kg
319-85-7	beta-BHC	0.017		0.00018	0.00083	0.0017	mg/Kg
319-86-8	delta-BHC	0.019		0.00039	0.00083	0.0017	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.018		0.00014	0.00033	0.0017	mg/Kg
76-44-8	Heptachlor	0.018		0.00012	0.00033	0.0017	mg/Kg
309-00-2	Aldrin	0.018		0.00012	0.00033	0.0017	mg/Kg
1024-57-3	Heptachlor epoxide	0.018		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	0.018		0.00014	0.00033	0.0017	mg/Kg
72-55-9	4,4-DDE	0.018		0.00014	0.00033	0.0017	mg/Kg
72-20-8	Endrin	0.018		0.00014	0.00033	0.0017	mg/Kg
33213-65-9	Endosulfan II	0.018		0.00029	0.00083	0.0017	mg/Kg
72-54-8	4,4-DDD	0.019		0.00015	0.00033	0.0017	mg/Kg
1031-07-8	Endosulfan Sulfate	0.018		0.00013	0.00033	0.0017	mg/Kg
50-29-3	4,4-DDT	0.018		0.00014	0.00033	0.0017	mg/Kg
72-43-5	Methoxychlor	0.018		0.00037	0.00083	0.0017	mg/Kg
53494-70-5	Endrin ketone	0.018		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	0.018		0.00012	0.00033	0.0017	mg/Kg
5103-74-2	gamma-Chlordane	0.018		0.00015	0.00033	0.0017	mg/Kg
8001-35-2	Toxaphene	0.017	U	0.0054	0.017	0.033	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.7		55 - 130		119%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		42 - 129		109%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:		
Project:	Raymark Superfund Site		Date Received:		
Client Sample ID:	PB168350BS		SDG No.:	Q2259	
Lab Sample ID:	PB168350BS		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088857.D	1	06/09/25 09:11	06/10/25 12:28	PB168350

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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\PD061025\
 Data File : PD088857.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Jun 2025 12:28
 Operator : AR\AJ
 Sample : PB168350BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168350BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 10 14:13:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.549	2.879	47252238	309.2E6	21.838	20.441
28) SA Decachlor...	9.072	8.071	81258403	422.6E6	23.744	23.149
Target Compounds						
2) A alpha-BHC	3.998	3.392	252.5E6	1179.3E6	52.859	49.335
3) MA gamma-BHC...	4.329	3.729	241.6E6	1095.9E6	52.493	49.440
4) MA Heptachlor	4.929	4.082	239.8E6	1099.6E6	53.639	48.970
5) MB Aldrin	5.270	4.368	234.5E6	1084.9E6	53.358	49.472
6) B beta-BHC	4.514	4.024	93450893	472.5E6	51.826	48.498
7) B delta-BHC	4.763	4.261	238.2E6	1109.4E6	56.375	49.762
8) B Heptachlo...	5.690	4.872	211.0E6	979.8E6	53.159	49.308
9) A Endosulfan I	6.074	5.246	199.8E6	950.8E6	53.102	50.099
10) B gamma-Chl...	5.945	5.125	211.4E6	1066.6E6	52.990	49.999
11) B alpha-Chl...	6.027	5.190	214.1E6	1023.7E6	53.432	49.635
12) B 4,4'-DDE	6.195	5.375	195.8E6	1034.6E6	54.546	49.496
13) MA Dieldrin	6.347	5.512	214.2E6	1049.6E6	53.403	49.878
14) MA Endrin	6.574	5.789	180.9E6	943.8E6	52.978	48.941
15) B Endosulfa...	6.786	6.080	181.7E6	918.9E6	52.770	50.152
16) A 4,4'-DDD	6.704	5.929	156.2E6	884.7E6	56.072	50.869
17) MA 4,4'-DDT	7.021	6.183	169.9E6	910.2E6	54.420	50.185
18) B Endrin al...	6.915	6.258	132.6E6	674.7E6	51.518	48.441
19) B Endosulfa...	7.149	6.482	171.5E6	889.5E6	53.548	50.097
20) A Methoxychlor	7.492	6.754	88899884	475.2E6	53.216	49.628
21) B Endrin ke...	7.630	6.991	186.2E6	1000.0E6	54.384	51.686
22) Mirex	8.113	7.185	136.2E6	762.5E6	52.433	50.155

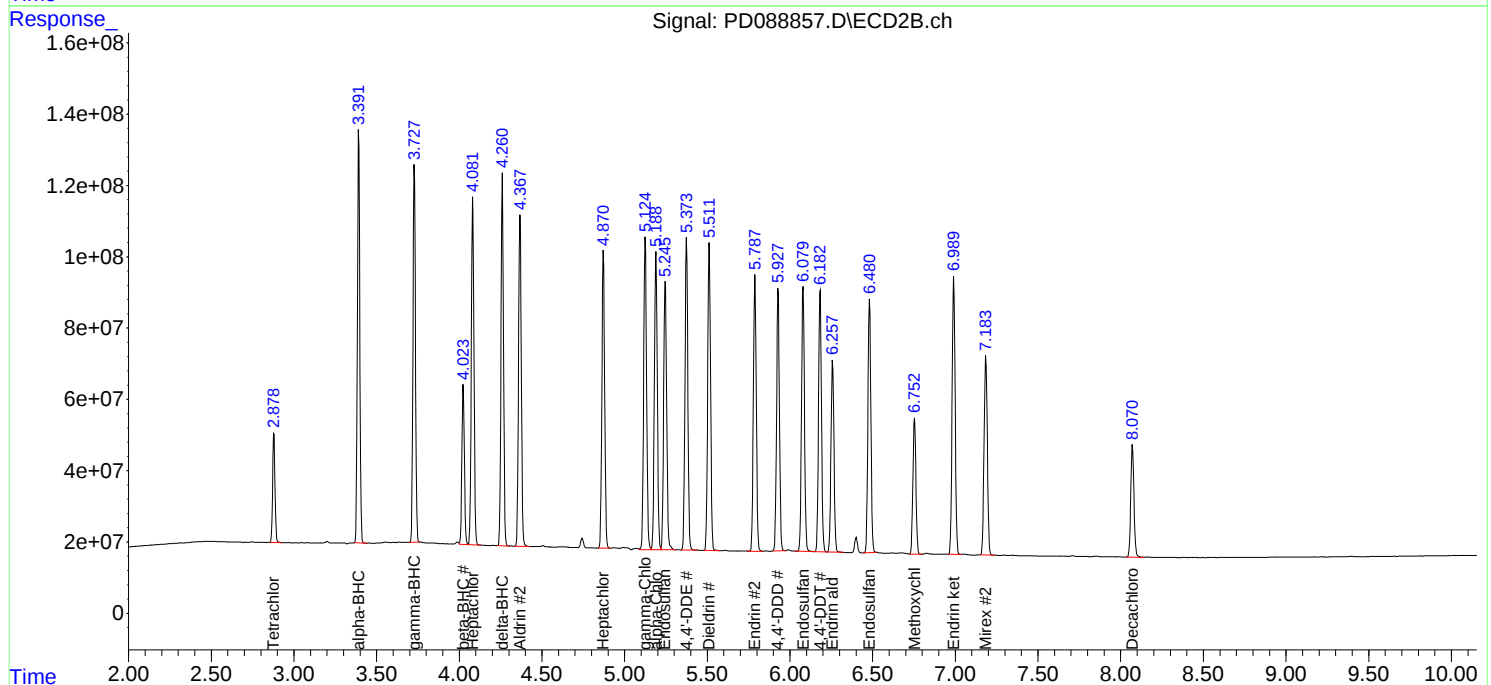
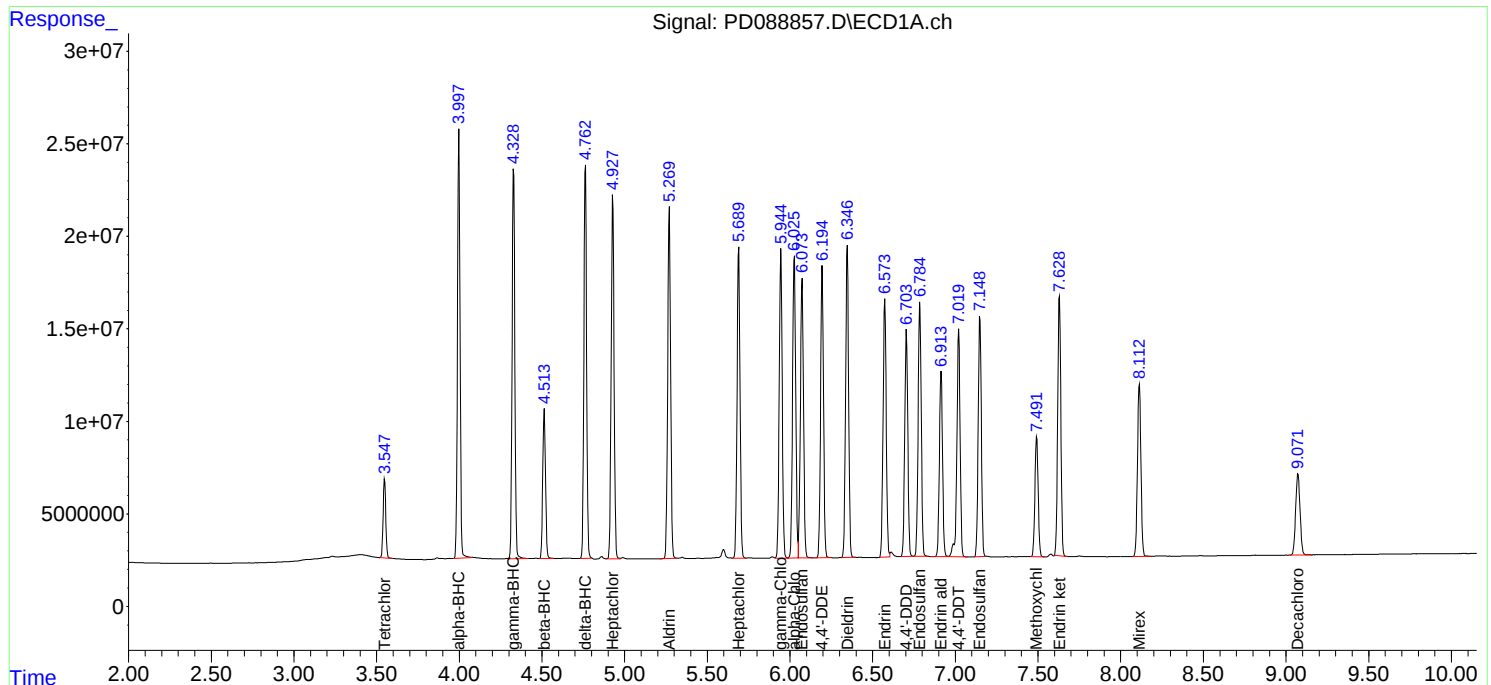
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

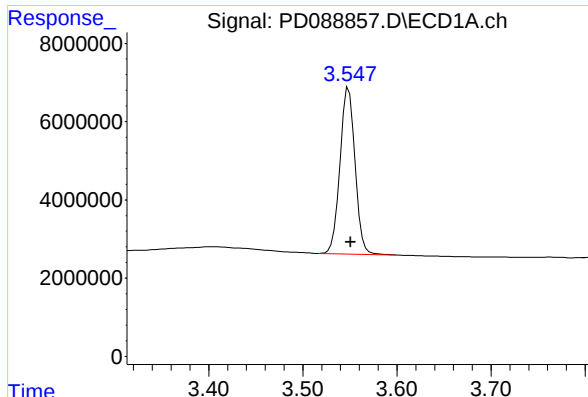
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
Data File : PD088857.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 12:28
Operator : AR\AJ
Sample : PB168350BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168350BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 14:13:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

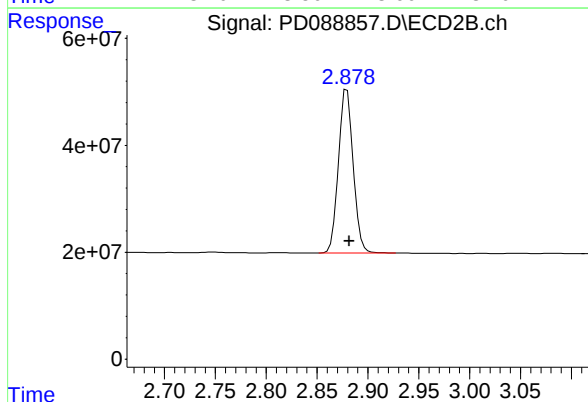




#1 Tetrachloro-m-xylene

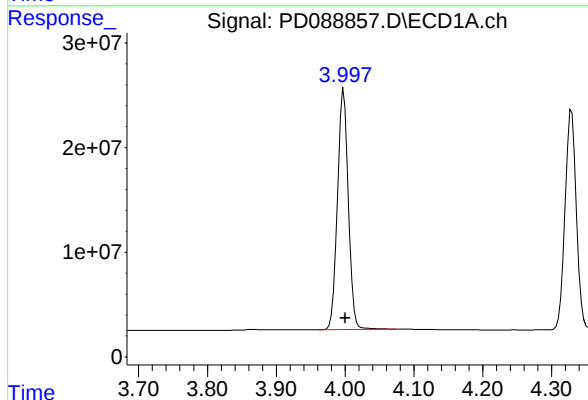
R.T.: 3.549 min
Delta R.T.: -0.002 min
Response: 47252238
Conc: 21.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168350BS



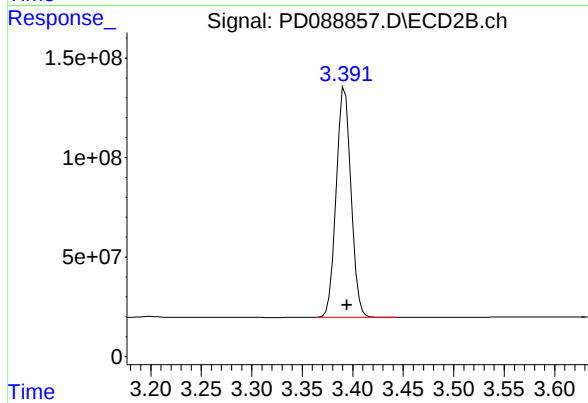
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 309212782
Conc: 20.44 ng/ml



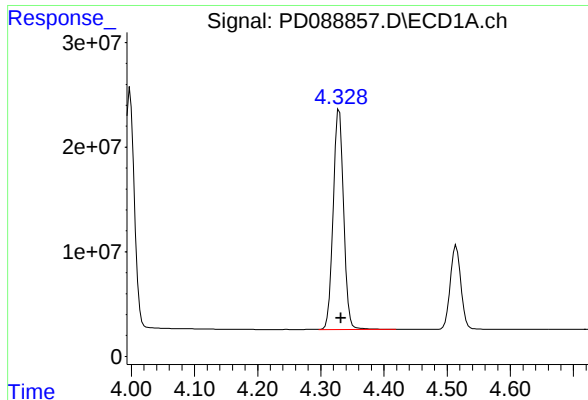
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.002 min
Response: 252482919
Conc: 52.86 ng/ml



#2 alpha-BHC

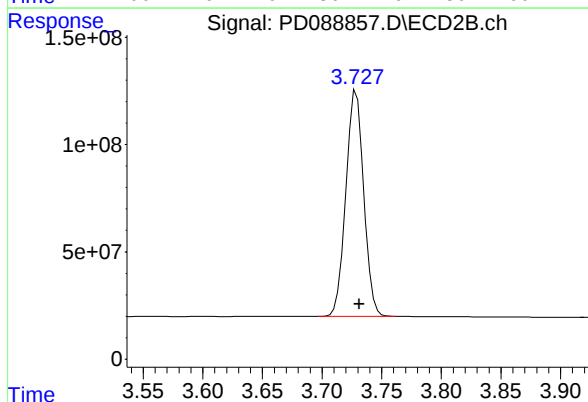
R.T.: 3.392 min
Delta R.T.: -0.002 min
Response: 1179285763
Conc: 49.33 ng/ml



#3 gamma-BHC (Lindane)

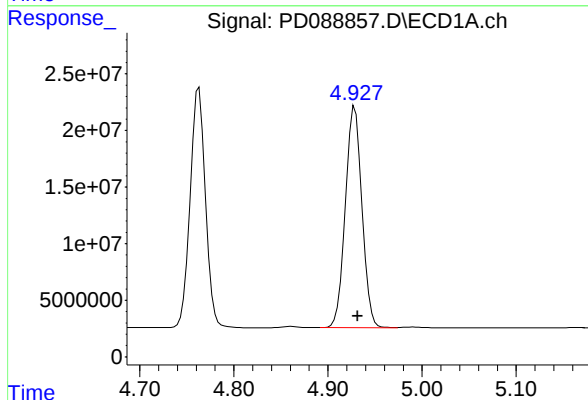
R.T.: 4.329 min
Delta R.T.: -0.002 min
Response: 241609402
Conc: 52.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168350BS



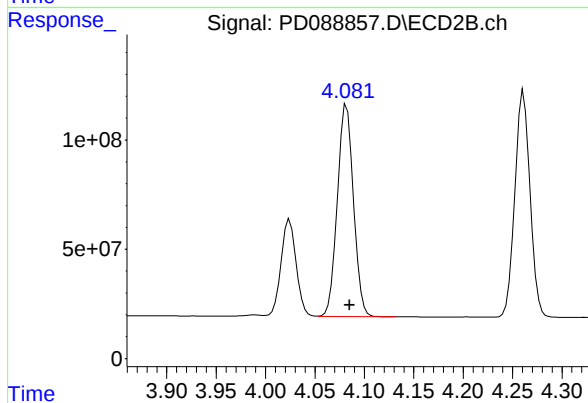
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: -0.003 min
Response: 1095871377
Conc: 49.44 ng/ml



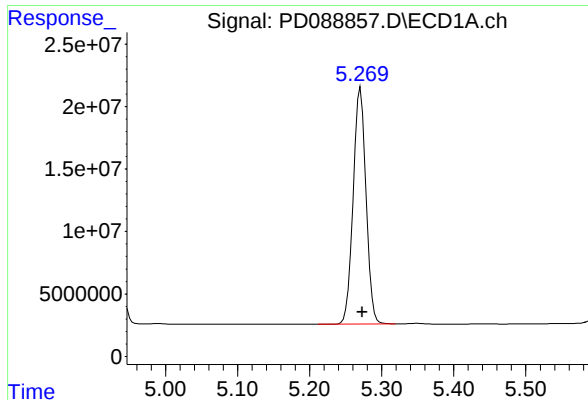
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: -0.003 min
Response: 239831975
Conc: 53.64 ng/ml



#4 Heptachlor

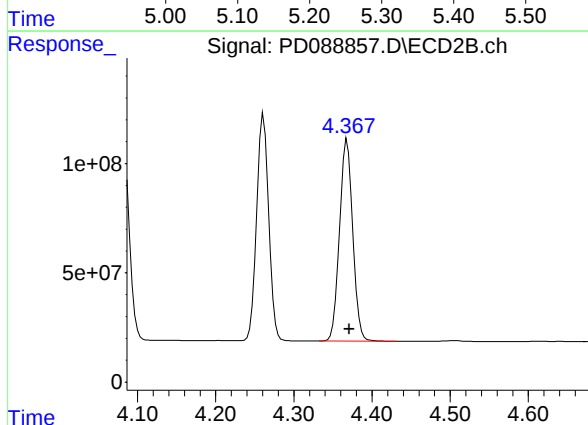
R.T.: 4.082 min
Delta R.T.: -0.003 min
Response: 1099615522
Conc: 48.97 ng/ml



#5 Aldrin

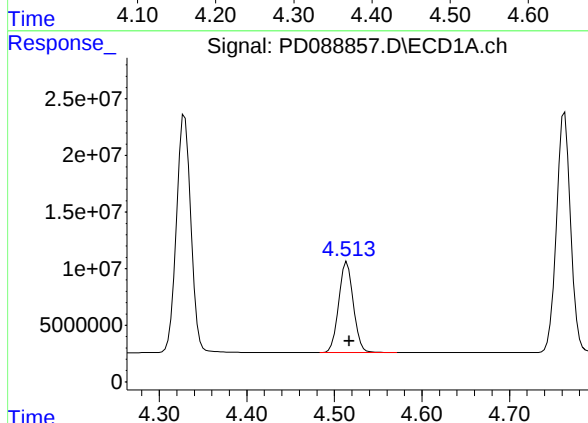
R.T.: 5.270 min
Delta R.T.: -0.003 min
Response: 234484461
Conc: 53.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168350BS



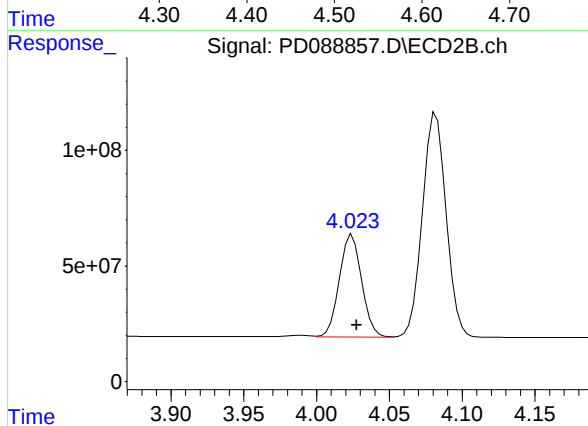
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: -0.003 min
Response: 1084921877
Conc: 49.47 ng/ml



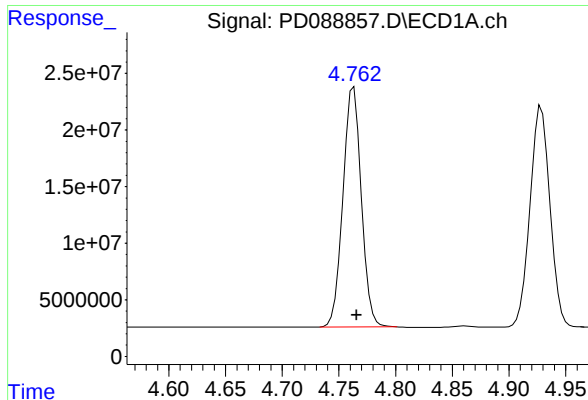
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.002 min
Response: 93450893
Conc: 51.83 ng/ml



#6 beta-BHC

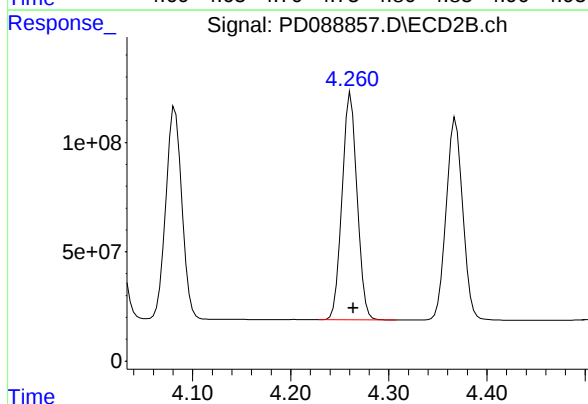
R.T.: 4.024 min
Delta R.T.: -0.003 min
Response: 472461193
Conc: 48.50 ng/ml



#7 delta-BHC

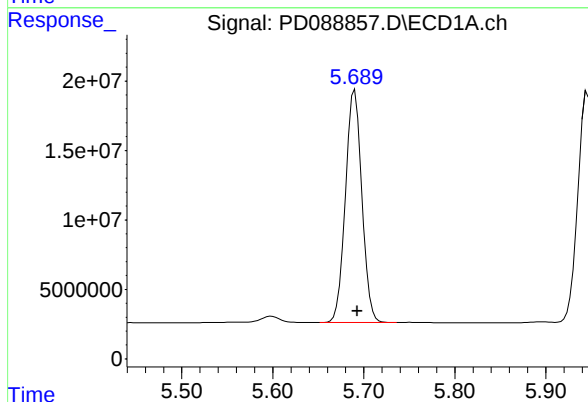
R.T.: 4.763 min
Delta R.T.: -0.003 min
Response: 238247742
Conc: 56.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168350BS



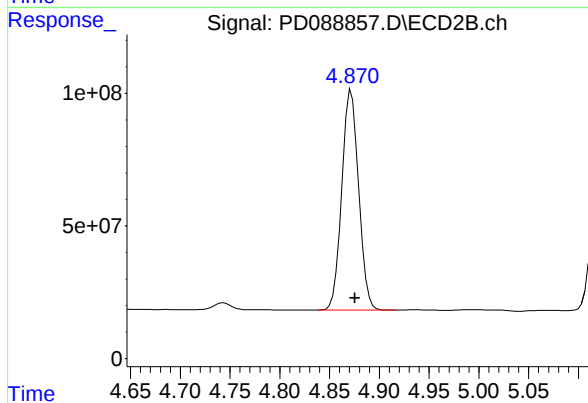
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.003 min
Response: 1109402020
Conc: 49.76 ng/ml



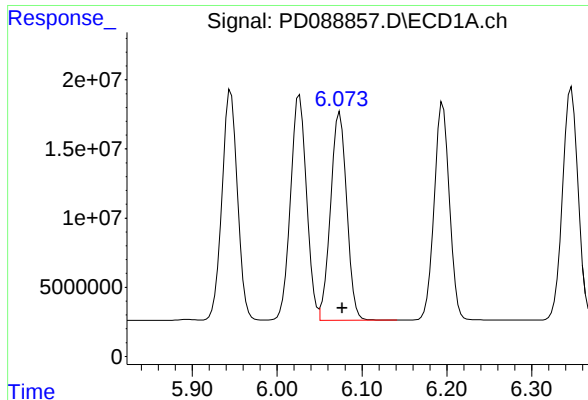
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: -0.003 min
Response: 211002500
Conc: 53.16 ng/ml



#8 Heptachlor epoxide

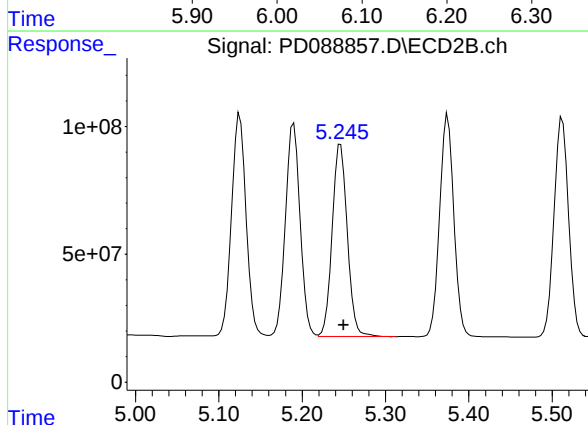
R.T.: 4.872 min
Delta R.T.: -0.004 min
Response: 979819440
Conc: 49.31 ng/ml



#9 Endosulfan I

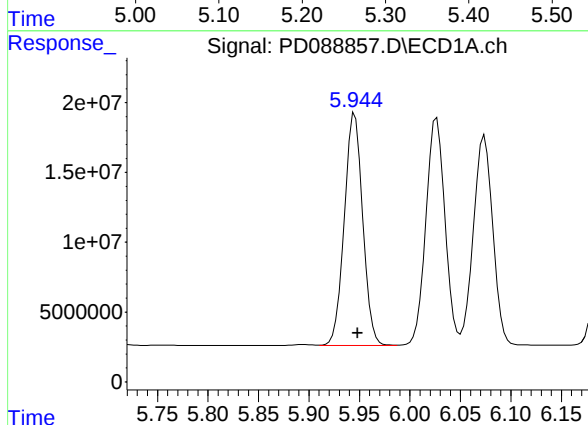
R.T.: 6.074 min
Delta R.T.: -0.003 min
Response: 199818006
Conc: 53.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168350BS



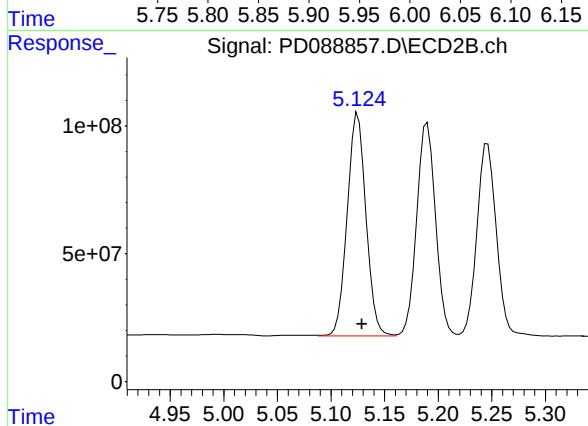
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: -0.004 min
Response: 950801116
Conc: 50.10 ng/ml



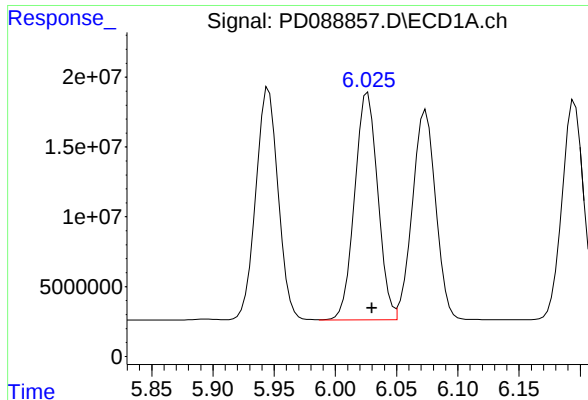
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: -0.003 min
Response: 211373562
Conc: 52.99 ng/ml



#10 gamma-Chlordane

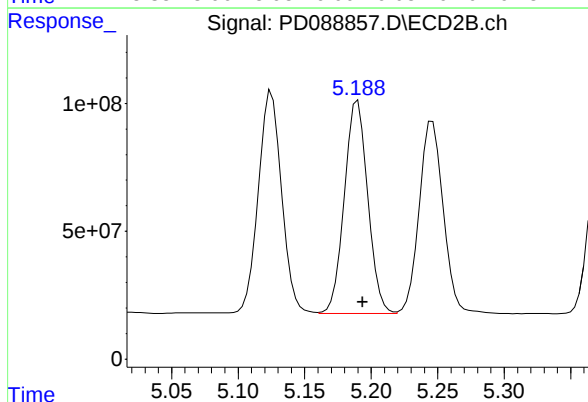
R.T.: 5.125 min
Delta R.T.: -0.004 min
Response: 1066584230
Conc: 50.00 ng/ml



#11 alpha-Chlordane

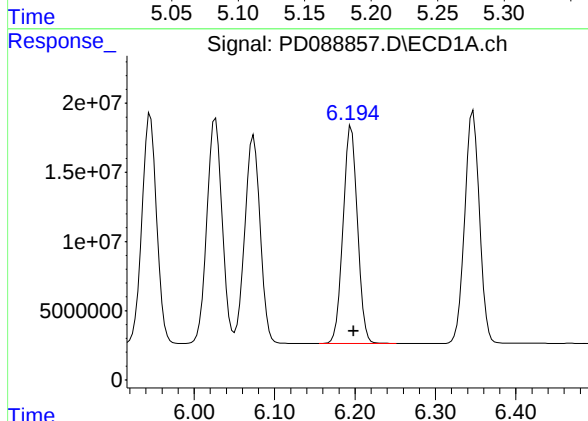
R.T.: 6.027 min
Delta R.T.: -0.003 min
Response: 214064323
Conc: 53.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168350BS



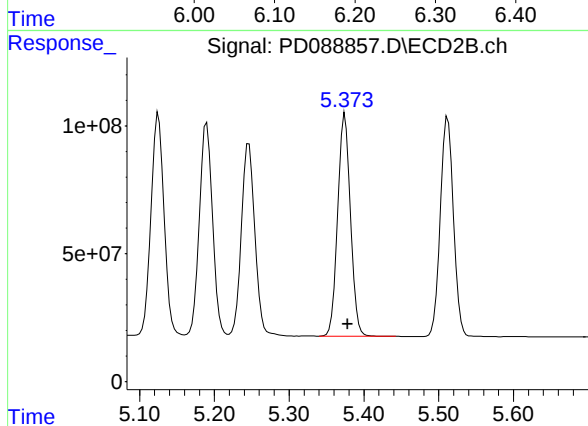
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: -0.004 min
Response: 1023709882
Conc: 49.63 ng/ml



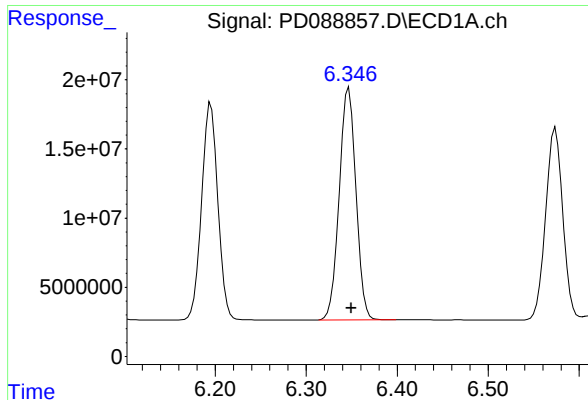
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: -0.003 min
Response: 195787596
Conc: 54.55 ng/ml



#12 4,4'-DDE

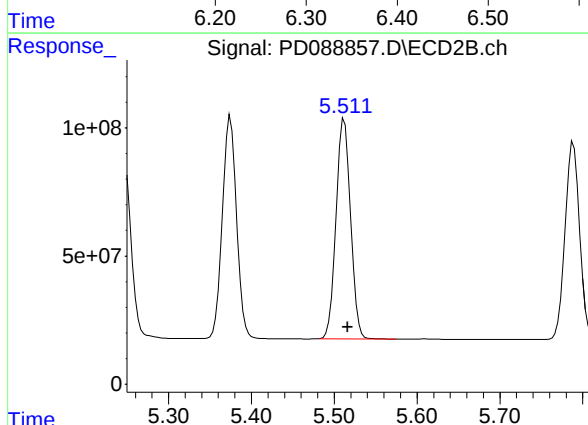
R.T.: 5.375 min
Delta R.T.: -0.004 min
Response: 1034596808
Conc: 49.50 ng/ml



#13 Dieldrin

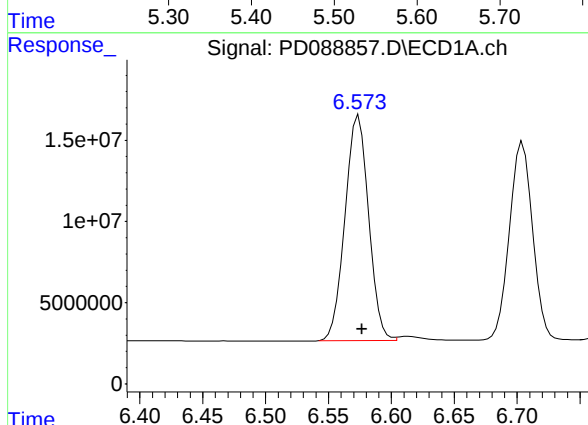
R.T.: 6.347 min
Delta R.T.: -0.003 min
Response: 214239938
Conc: 53.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168350BS



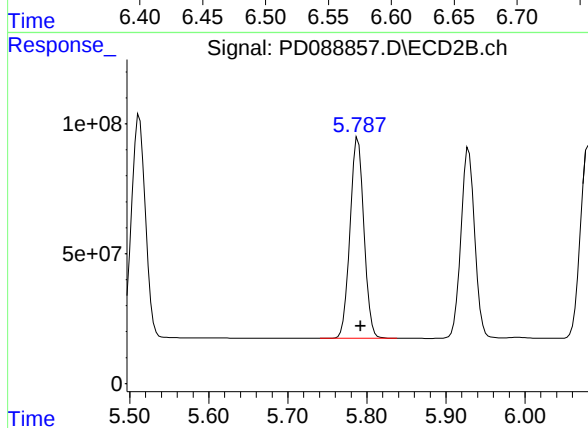
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: -0.004 min
Response: 1049630138
Conc: 49.88 ng/ml



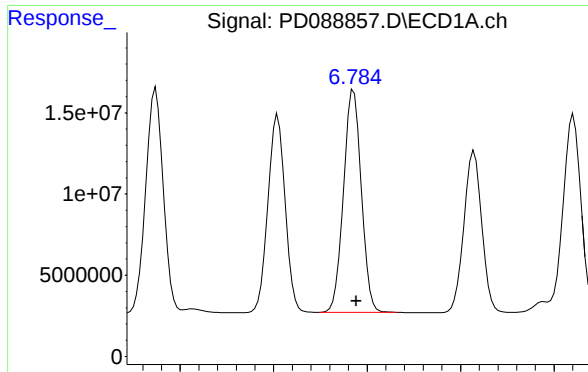
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.003 min
Response: 180929665
Conc: 52.98 ng/ml



#14 Endrin

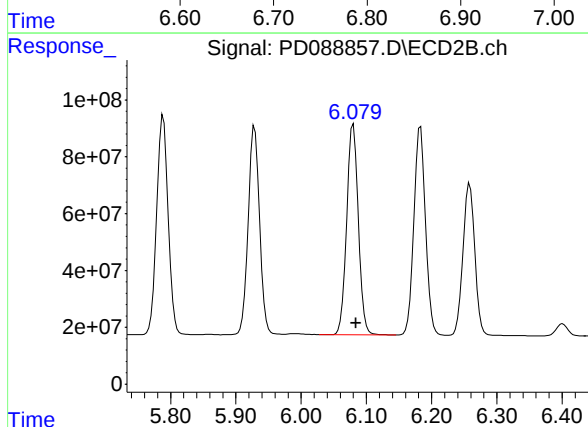
R.T.: 5.789 min
Delta R.T.: -0.004 min
Response: 943772616
Conc: 48.94 ng/ml



#15 Endosulfan II

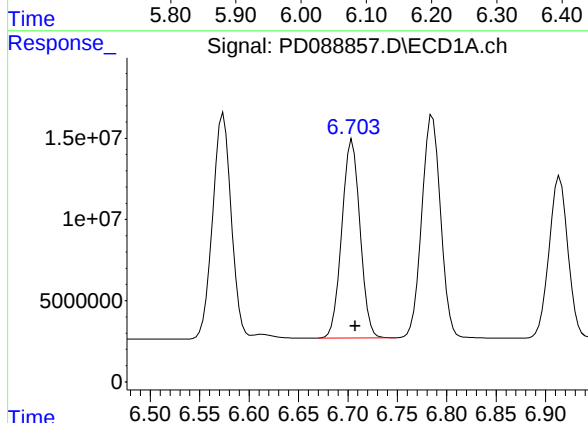
R.T.: 6.786 min
Delta R.T.: -0.003 min
Response: 181717756
Conc: 52.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168350BS



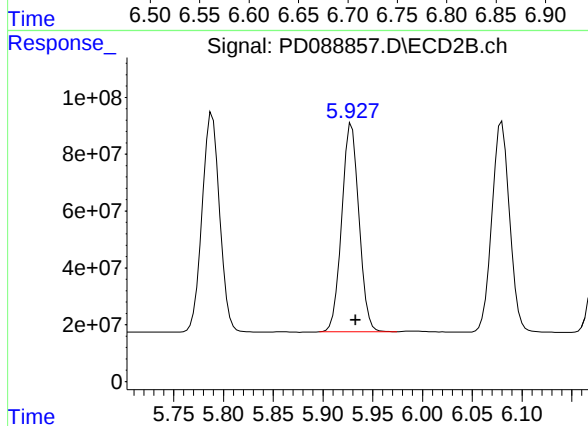
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: -0.004 min
Response: 918875219
Conc: 50.15 ng/ml



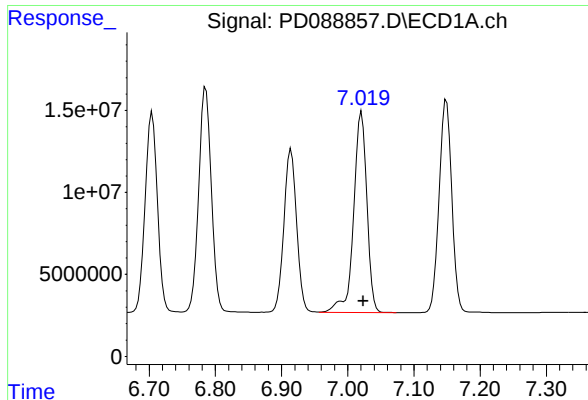
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.003 min
Response: 156165964
Conc: 56.07 ng/ml



#16 4,4'-DDD

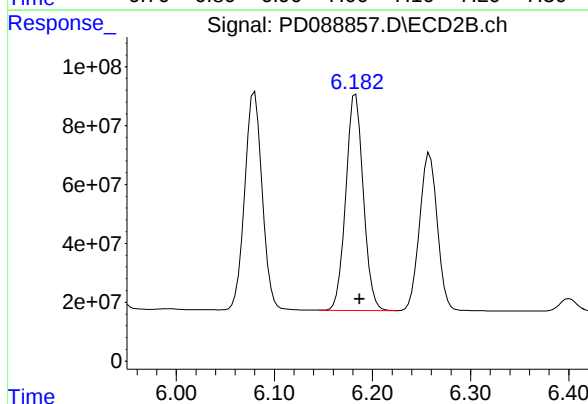
R.T.: 5.929 min
Delta R.T.: -0.004 min
Response: 884726948
Conc: 50.87 ng/ml



#17 4,4'-DDT

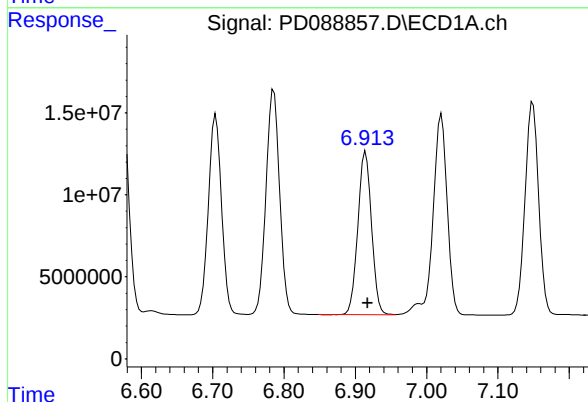
R.T.: 7.021 min
Delta R.T.: -0.003 min
Response: 169901621
Conc: 54.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168350BS



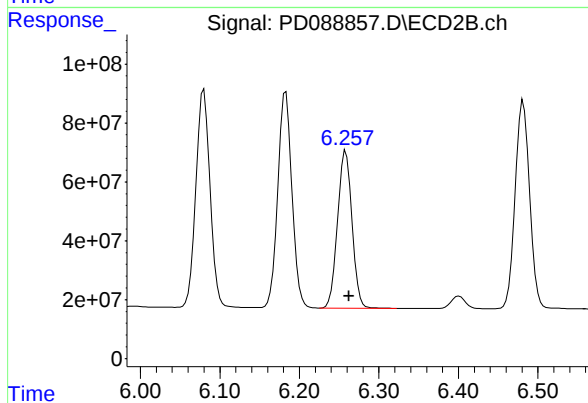
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.004 min
Response: 910229674
Conc: 50.19 ng/ml



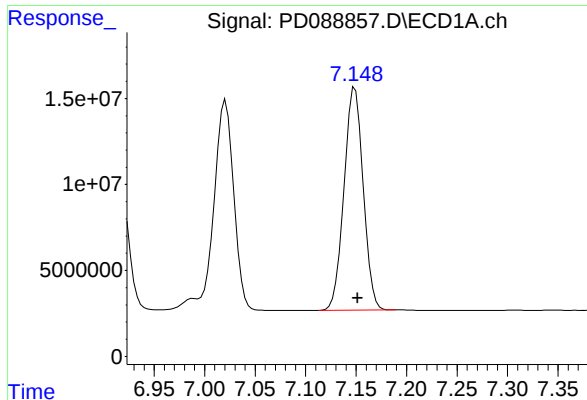
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: -0.003 min
Response: 132638110
Conc: 51.52 ng/ml



#18 Endrin aldehyde

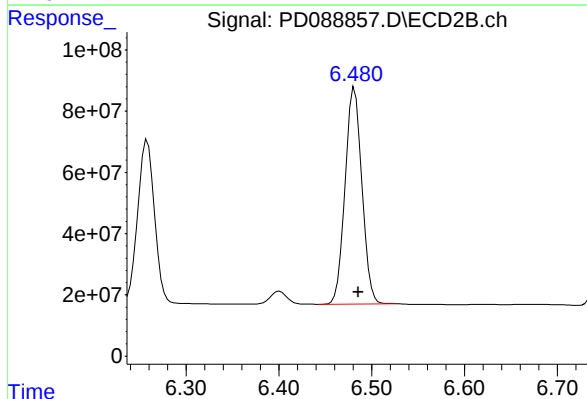
R.T.: 6.258 min
Delta R.T.: -0.004 min
Response: 674728353
Conc: 48.44 ng/ml



#19 Endosulfan Sulfate

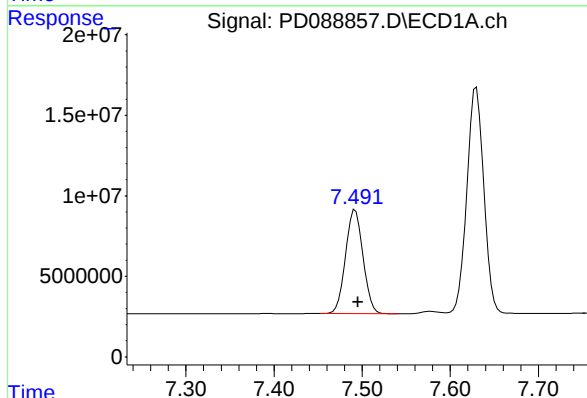
R.T.: 7.149 min
Delta R.T.: -0.003 min
Response: 171517999
Conc: 53.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168350BS



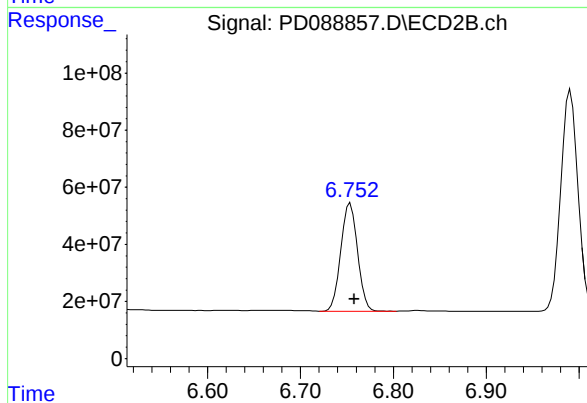
#19 Endosulfan Sulfate

R.T.: 6.482 min
Delta R.T.: -0.004 min
Response: 889511830
Conc: 50.10 ng/ml



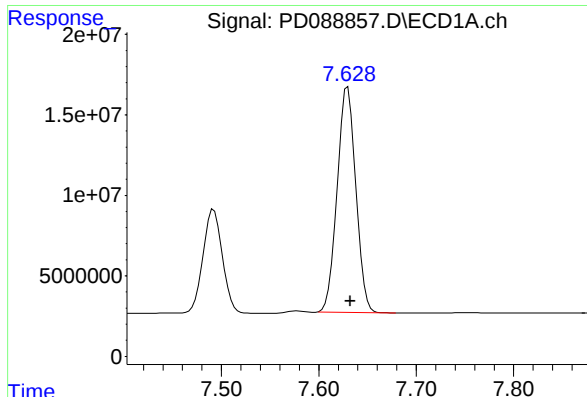
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.003 min
Response: 88899884
Conc: 53.22 ng/ml



#20 Methoxychlor

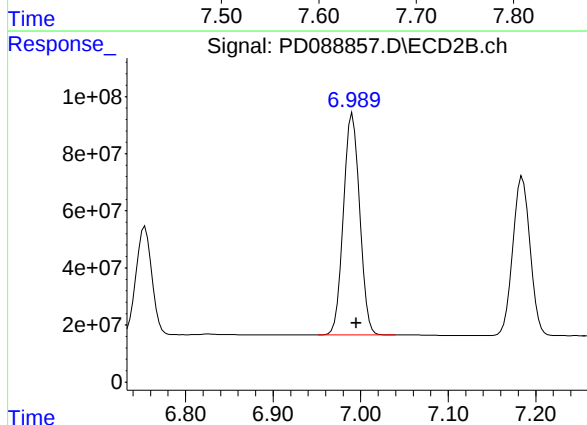
R.T.: 6.754 min
Delta R.T.: -0.004 min
Response: 475181377
Conc: 49.63 ng/ml



#21 Endrin ketone

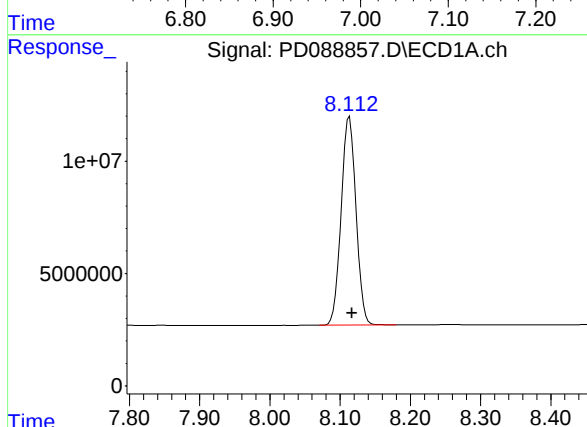
R.T.: 7.630 min
Delta R.T.: -0.003 min
Response: 186164978
Conc: 54.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168350BS



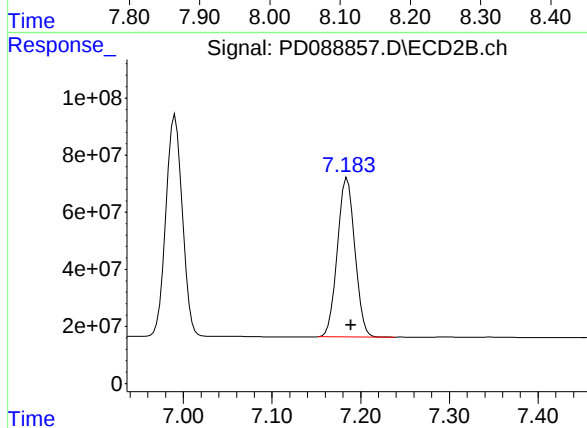
#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: -0.004 min
Response: 999997929
Conc: 51.69 ng/ml



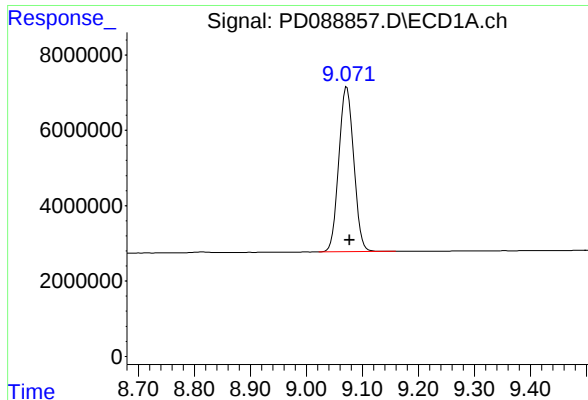
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.003 min
Response: 136234922
Conc: 52.43 ng/ml



#22 Mirex

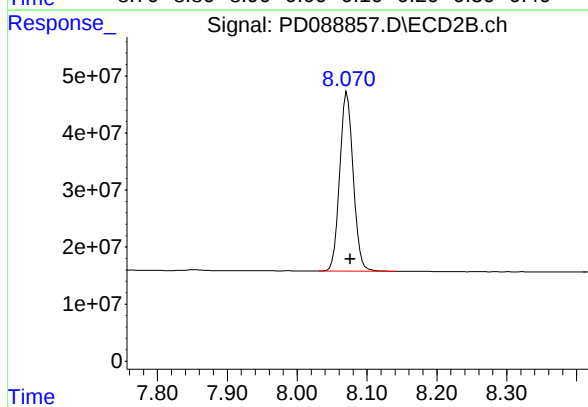
R.T.: 7.185 min
Delta R.T.: -0.004 min
Response: 762469492
Conc: 50.15 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.005 min
Response: 81258403
Conc: 23.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168350BS



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.005 min
Response: 422614686
Conc: 23.15 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	06/06/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	WC-3MS	SDG No.:	Q2259
Lab Sample ID:	Q2266-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.6 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088885.D	1	06/09/25 09:11	06/10/25 19:22	PB168350

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.019		0.00015	0.00037	0.0019	mg/Kg
319-85-7	beta-BHC	0.019		0.00020	0.00093	0.0019	mg/Kg
319-86-8	delta-BHC	0.021		0.00044	0.00093	0.0019	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.019		0.00016	0.00037	0.0019	mg/Kg
76-44-8	Heptachlor	0.018		0.00014	0.00037	0.0019	mg/Kg
309-00-2	Aldrin	0.019		0.00014	0.00037	0.0019	mg/Kg
1024-57-3	Heptachlor epoxide	0.019		0.00021	0.00093	0.0019	mg/Kg
959-98-8	Endosulfan I	0.019		0.00016	0.00037	0.0019	mg/Kg
60-57-1	Dieldrin	0.019		0.00016	0.00037	0.0019	mg/Kg
72-55-9	4,4-DDE	0.019		0.00016	0.00037	0.0019	mg/Kg
72-20-8	Endrin	0.018		0.00016	0.00037	0.0019	mg/Kg
33213-65-9	Endosulfan II	0.018		0.00033	0.00093	0.0019	mg/Kg
72-54-8	4,4-DDD	0.019		0.00017	0.00037	0.0019	mg/Kg
1031-07-8	Endosulfan Sulfate	0.018		0.00015	0.00037	0.0019	mg/Kg
50-29-3	4,4-DDT	0.017		0.00016	0.00037	0.0019	mg/Kg
72-43-5	Methoxychlor	0.016		0.00042	0.00093	0.0019	mg/Kg
53494-70-5	Endrin ketone	0.018		0.00021	0.00093	0.0019	mg/Kg
7421-93-4	Endrin aldehyde	0.018		0.00042	0.00093	0.0019	mg/Kg
5103-71-9	alpha-Chlordane	0.019		0.00014	0.00037	0.0019	mg/Kg
5103-74-2	gamma-Chlordane	0.019		0.00017	0.00037	0.0019	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0061	0.019	0.037	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	16.4		55 - 130		82%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		42 - 129		94%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	06/06/25	
Project:	Raymark Superfund Site		Date Received:	06/06/25	
Client Sample ID:	WC-3MS		SDG No.:	Q2259	
Lab Sample ID:	Q2266-01MS		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	88.6	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088885.D	1	06/09/25 09:11	06/10/25 19:22	PB168350

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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\PD061025\
Data File : PD088885.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 19:22
Operator : AR\AJ
Sample : Q2266-01MS
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
WC-3MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 07:43:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.548	2.880	40789417	269.5E6	18.851	17.814
28) SA Decachlor...	9.072	8.072	56161470	268.4E6	16.410	14.704
Target Compounds						
2) A alpha-BHC	3.998	3.392	245.5E6	1152.4E6	51.388	48.212
3) MA gamma-BHC...	4.329	3.729	235.5E6	1064.6E6	51.162	48.027
4) MA Heptachlor	4.928	4.082	216.9E6	1020.5E6	48.506	45.448
5) MB Aldrin	5.270	4.368	225.4E6	1054.7E6	51.285	48.095
6) B beta-BHC	4.514	4.025	91670510	469.2E6	50.839	48.163
7) B delta-BHC	4.763	4.261	231.8E6	1083.3E6	54.842	48.591
8) B Heptachlo...	5.690	4.872	199.6E6	939.7E6	50.277	47.287
9) A Endosulfan I	6.073	5.246	187.4E6	900.8E6	49.815	47.464
10) B gamma-Chl...	5.945	5.125	197.5E6	1022.9E6	49.508	47.950
11) B alpha-Chl...	6.026	5.189	199.7E6	989.5E6	49.841	47.977
12) B 4,4'-DDE	6.195	5.375	181.0E6	979.4E6	50.426	46.857
13) MA Dieldrin	6.346	5.512	198.2E6	978.4E6	49.394	46.495
14) MA Endrin	6.573	5.788	166.0E6	885.4E6	48.593	45.911
15) B Endosulfa...	6.785	6.080	163.9E6	840.0E6	47.589	45.845
16) A 4,4'-DDD	6.704	5.929	141.4E6	787.1E6	50.760	45.258
17) MA 4,4'-DDT	7.020	6.182	142.2E6	792.9E6	45.534	43.718
18) B Endrin al...	6.914	6.258	123.0E6	623.2E6	47.793	44.744
19) B Endosulfa...	7.148	6.481	150.7E6	799.9E6	47.058	45.051
20) A Methoxychlor	7.492	6.753	72201418	406.5E6	43.220	42.460
21) B Endrin ke...	7.629	6.990	161.9E6	869.6E6	47.297	44.946
22) Mirex	8.113	7.185	116.9E6	635.8E6	44.982	41.820

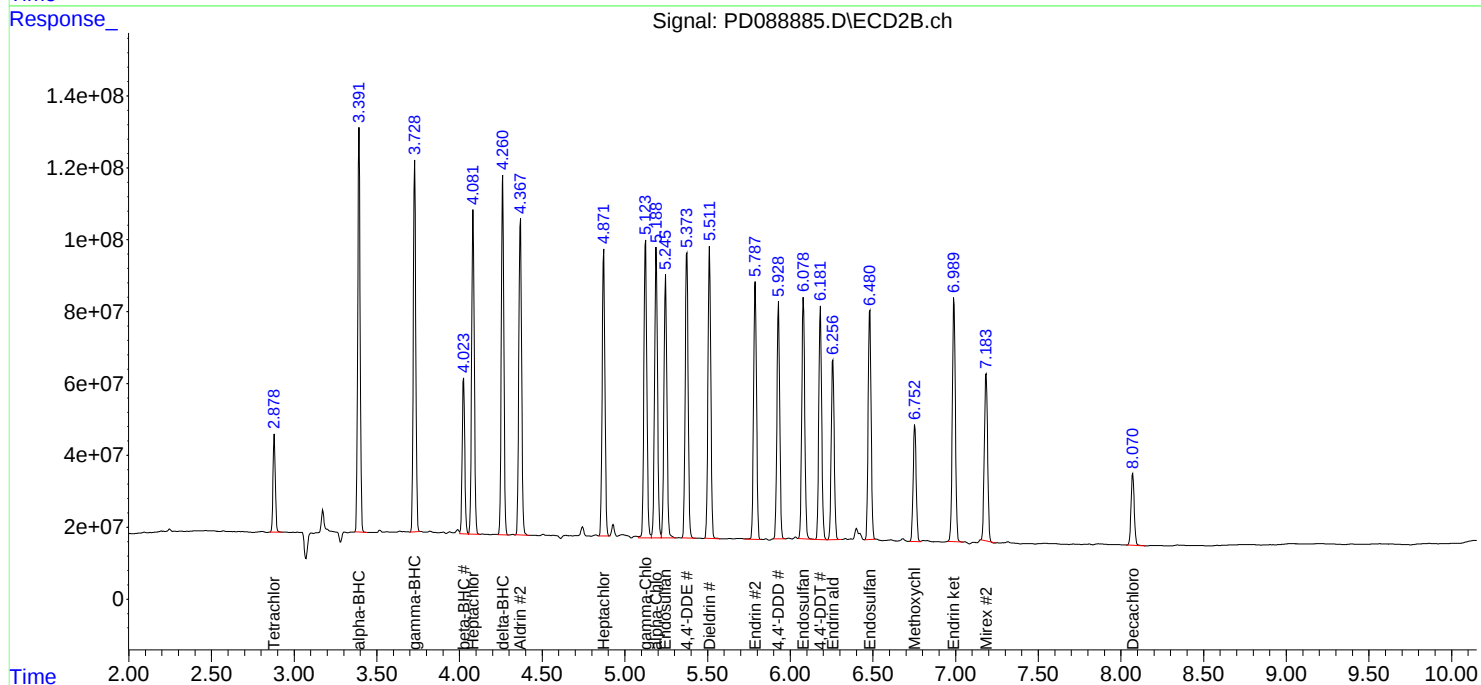
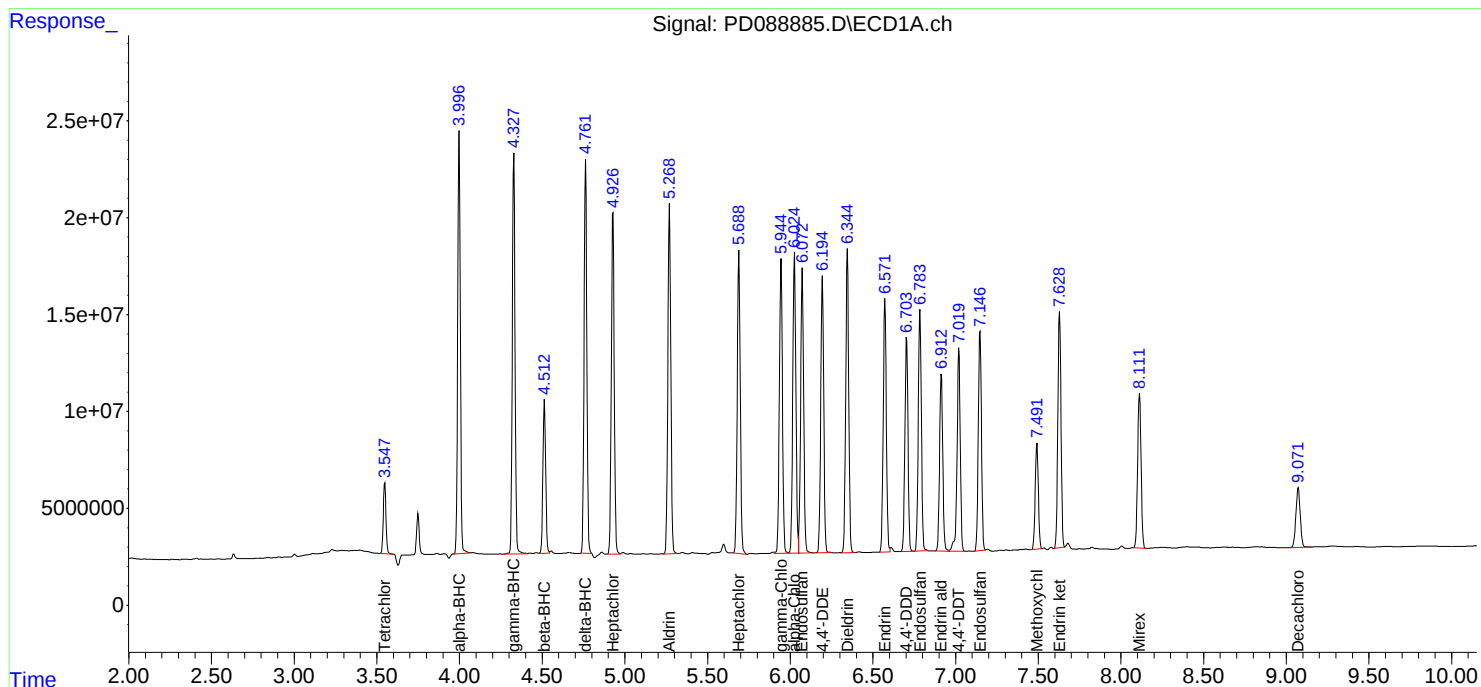
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

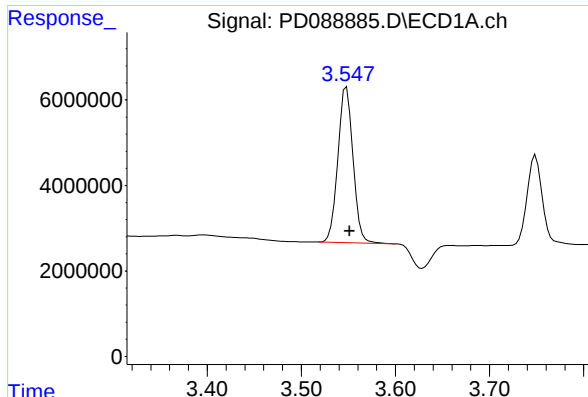
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
Data File : PD088885.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 19:22
Operator : AR\AJ
Sample : Q2266-01MS
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
WC-3MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 07:43:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

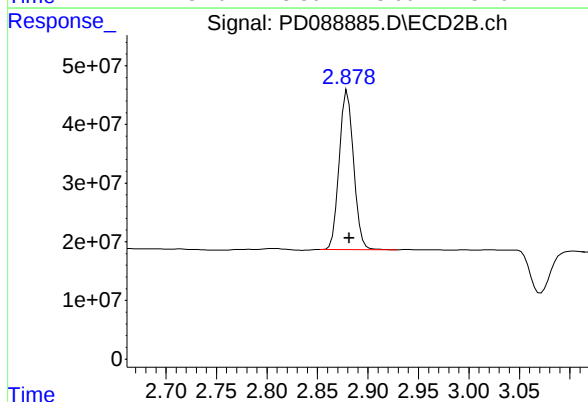




#1 Tetrachloro-m-xylene

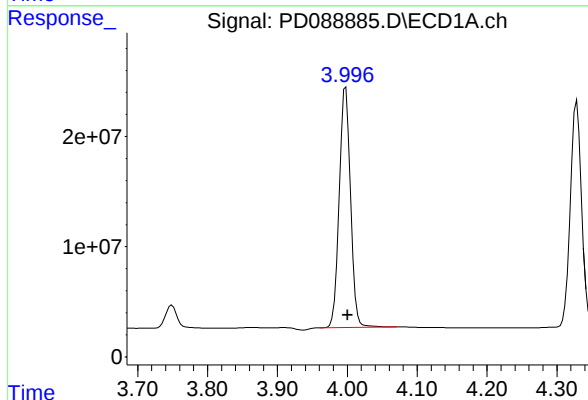
R.T.: 3.548 min
Delta R.T.: -0.003 min
Response: 40789417
Conc: 18.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-3MS



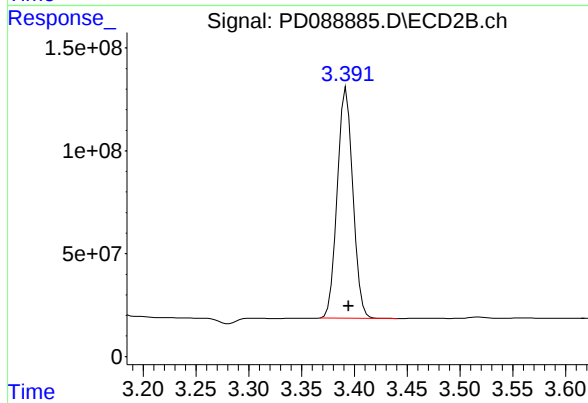
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.002 min
Response: 269464805
Conc: 17.81 ng/ml



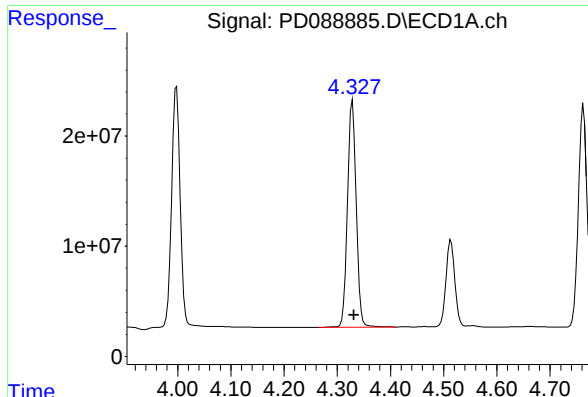
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.003 min
Response: 245457042
Conc: 51.39 ng/ml



#2 alpha-BHC

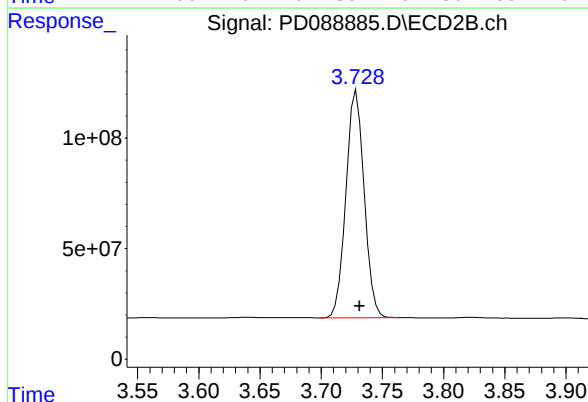
R.T.: 3.392 min
Delta R.T.: -0.002 min
Response: 1152443784
Conc: 48.21 ng/ml



#3 gamma-BHC (Lindane)

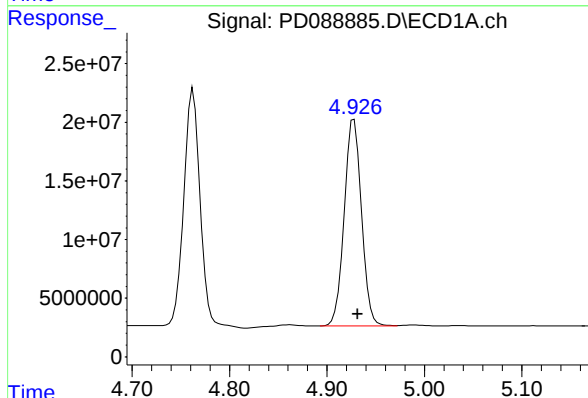
R.T.: 4.329 min
Delta R.T.: -0.003 min
Response: 235483644
Conc: 51.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-3MS



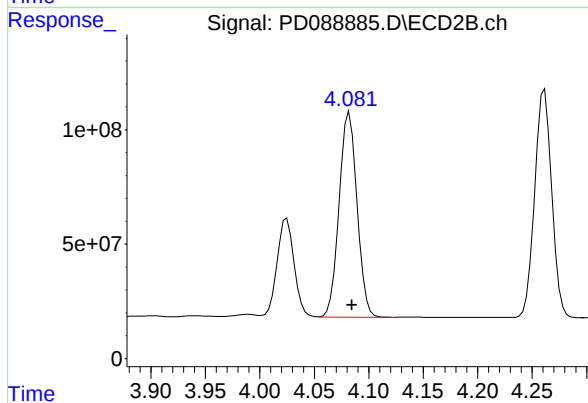
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: -0.003 min
Response: 1064551507
Conc: 48.03 ng/ml



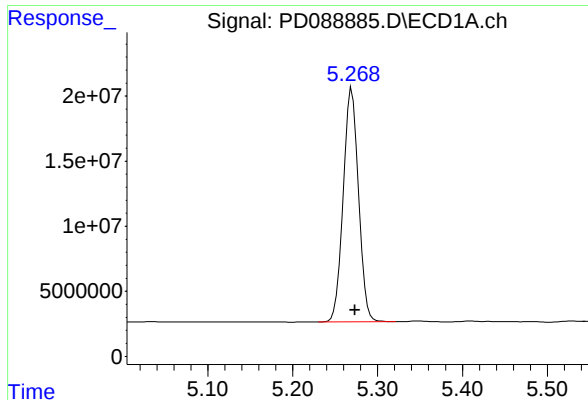
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: -0.004 min
Response: 216882044
Conc: 48.51 ng/ml



#4 Heptachlor

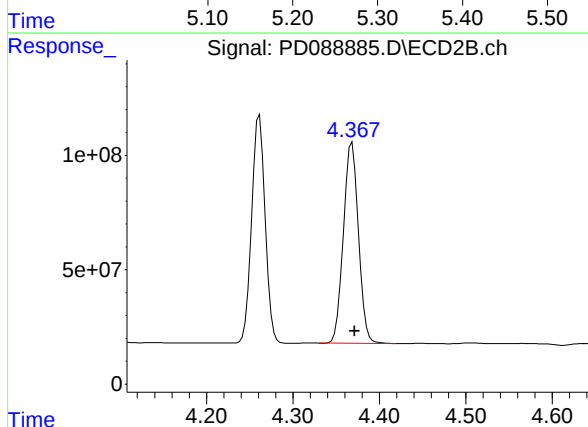
R.T.: 4.082 min
Delta R.T.: -0.003 min
Response: 1020540011
Conc: 45.45 ng/ml



#5 Aldrin

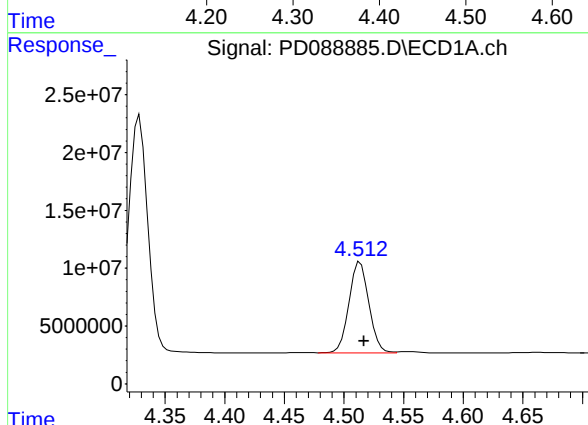
R.T.: 5.270 min
Delta R.T.: -0.004 min
Response: 225373332
Conc: 51.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-3MS



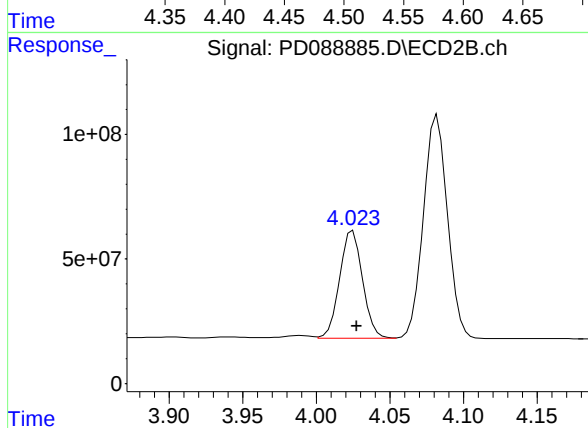
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: -0.003 min
Response: 1054708435
Conc: 48.09 ng/ml



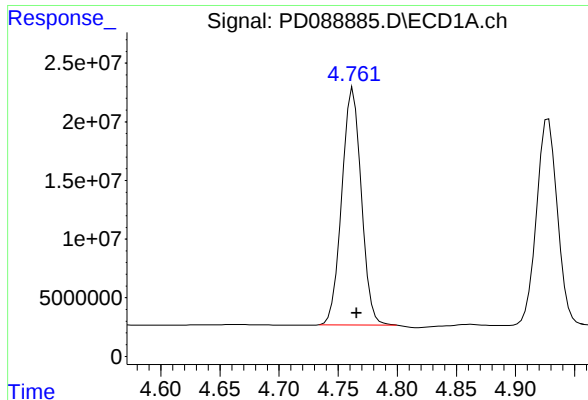
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.003 min
Response: 91670510
Conc: 50.84 ng/ml



#6 beta-BHC

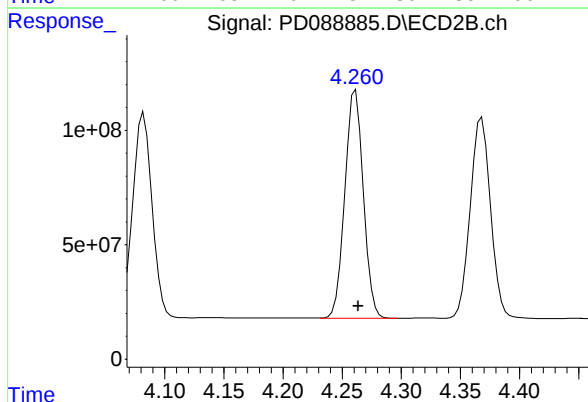
R.T.: 4.025 min
Delta R.T.: -0.003 min
Response: 469198449
Conc: 48.16 ng/ml



#7 delta-BHC

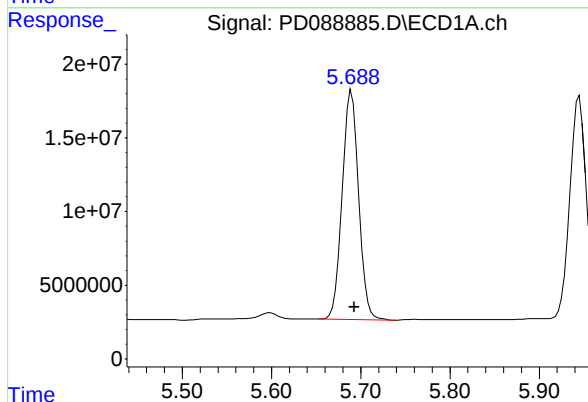
R.T.: 4.763 min
Delta R.T.: -0.003 min
Response: 231769056
Conc: 54.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-3MS



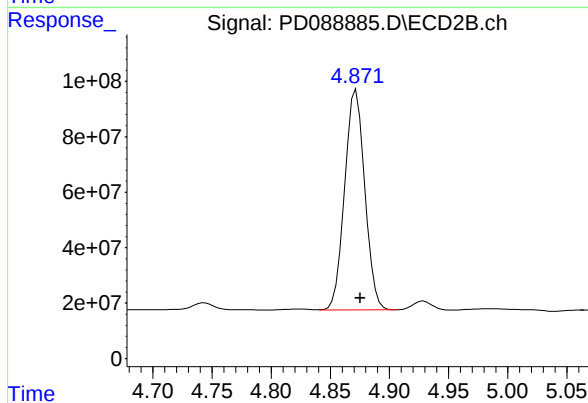
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.002 min
Response: 1083287361
Conc: 48.59 ng/ml



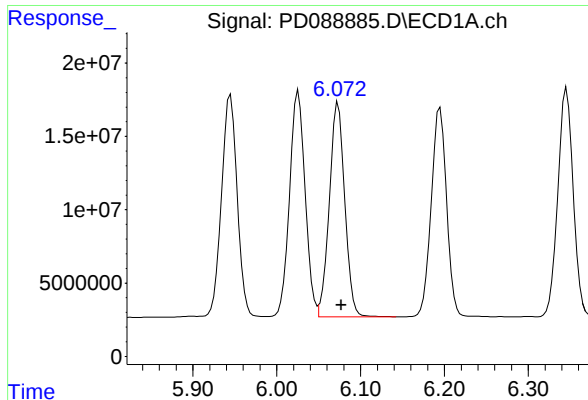
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: -0.003 min
Response: 199562906
Conc: 50.28 ng/ml



#8 Heptachlor epoxide

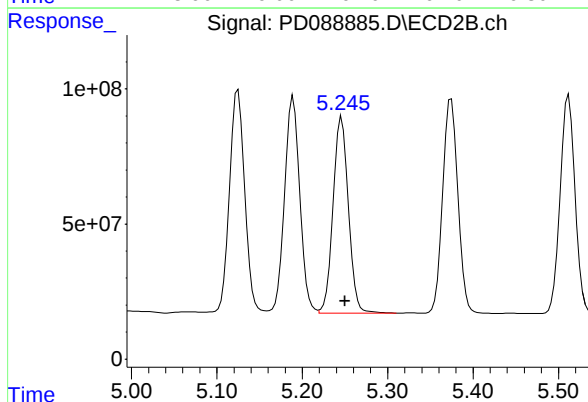
R.T.: 4.872 min
Delta R.T.: -0.003 min
Response: 939662588
Conc: 47.29 ng/ml



#9 Endosulfan I

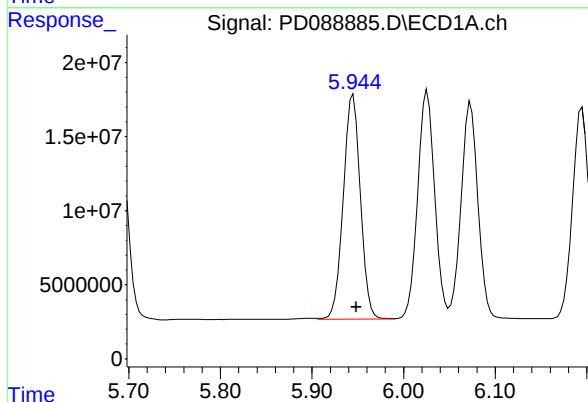
R.T.: 6.073 min
Delta R.T.: -0.004 min
Response: 187449470
Conc: 49.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-3MS



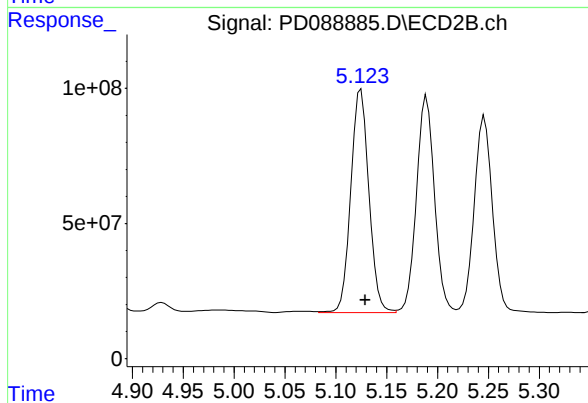
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: -0.004 min
Response: 900783639
Conc: 47.46 ng/ml



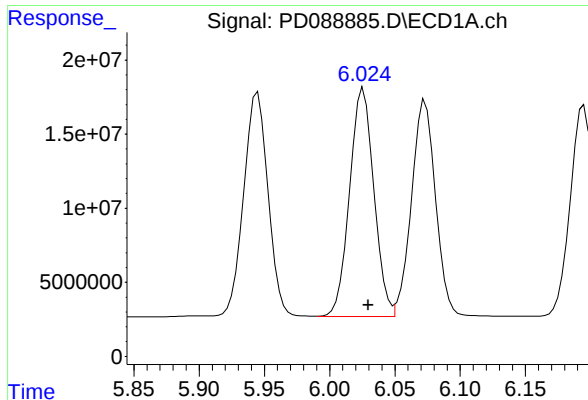
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: -0.003 min
Response: 197485602
Conc: 49.51 ng/ml



#10 gamma-Chlordane

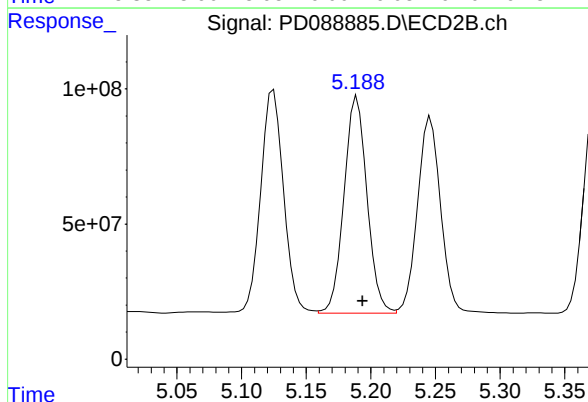
R.T.: 5.125 min
Delta R.T.: -0.004 min
Response: 1022866864
Conc: 47.95 ng/ml



#11 alpha-Chlordane

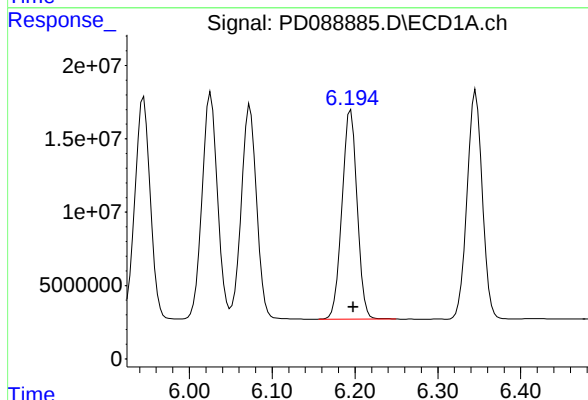
R.T.: 6.026 min
Delta R.T.: -0.004 min
Response: 199677811
Conc: 49.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-3MS



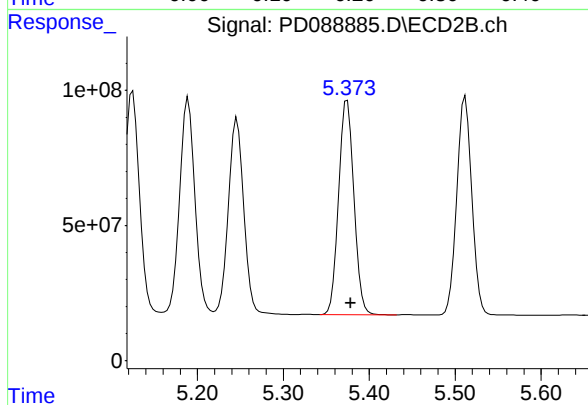
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.004 min
Response: 989514362
Conc: 47.98 ng/ml



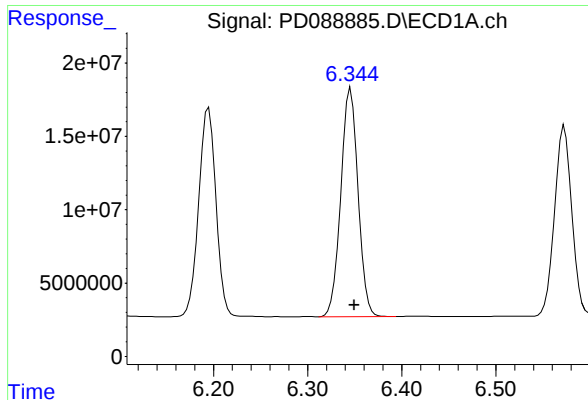
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: -0.003 min
Response: 180998170
Conc: 50.43 ng/ml



#12 4,4'-DDE

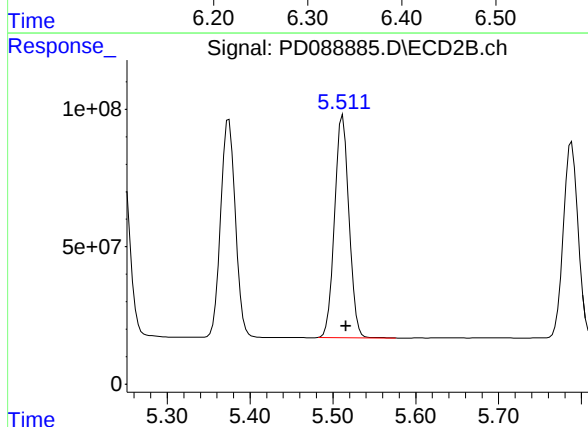
R.T.: 5.375 min
Delta R.T.: -0.004 min
Response: 979442415
Conc: 46.86 ng/ml



#13 Dieldrin

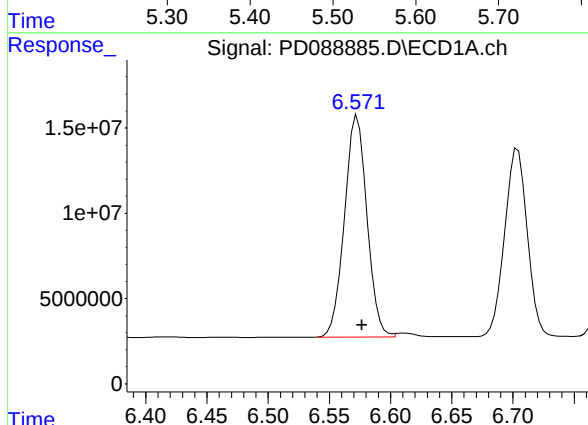
R.T.: 6.346 min
Delta R.T.: -0.004 min
Response: 198155558
Conc: 49.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-3MS



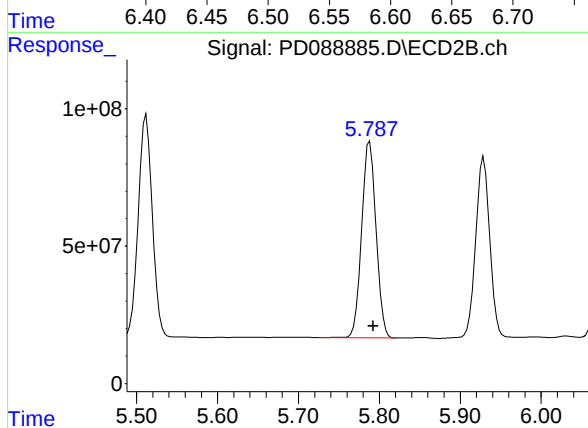
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: -0.004 min
Response: 978437115
Conc: 46.50 ng/ml



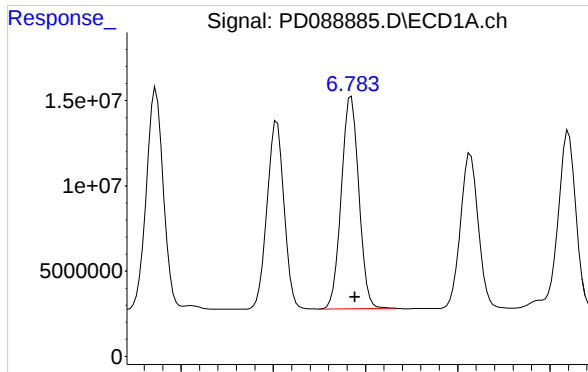
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.004 min
Response: 165954234
Conc: 48.59 ng/ml



#14 Endrin

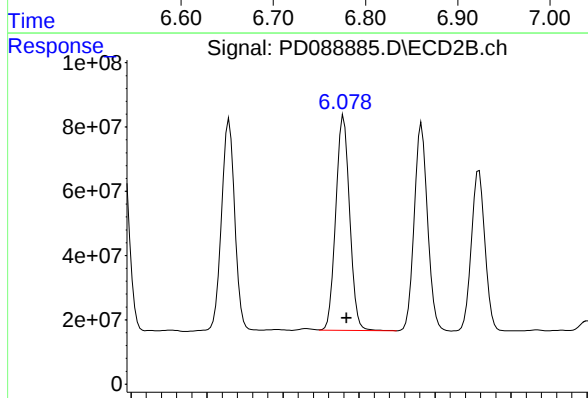
R.T.: 5.788 min
Delta R.T.: -0.004 min
Response: 885353000
Conc: 45.91 ng/ml



#15 Endosulfan II

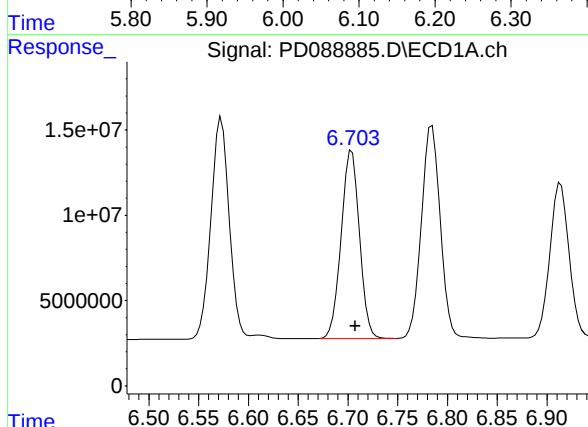
R.T.: 6.785 min
Delta R.T.: -0.004 min
Response: 163877171
Conc: 47.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-3MS



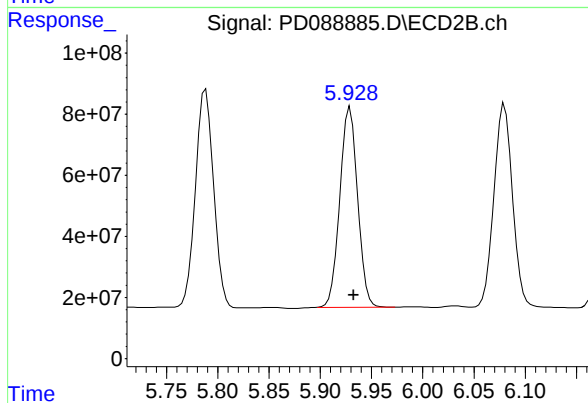
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: -0.004 min
Response: 839958793
Conc: 45.84 ng/ml



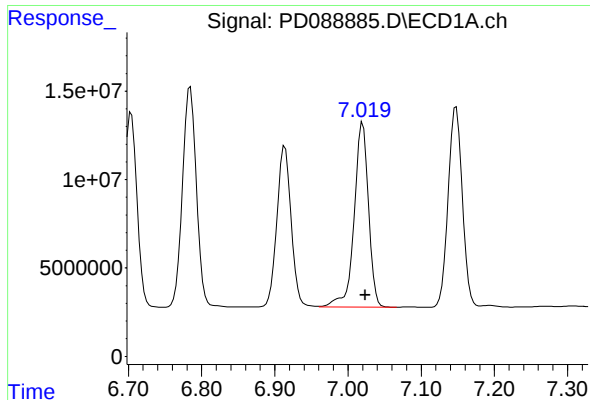
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.004 min
Response: 141372972
Conc: 50.76 ng/ml



#16 4,4'-DDD

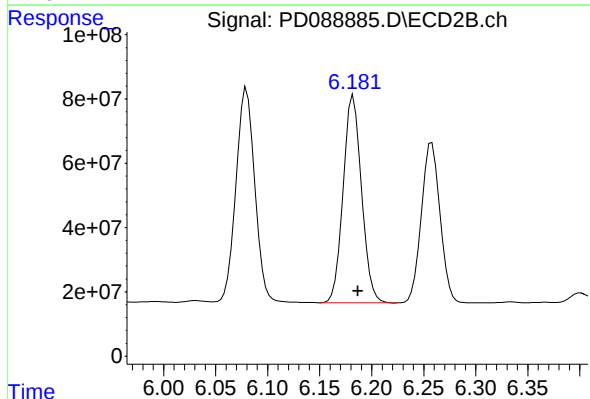
R.T.: 5.929 min
Delta R.T.: -0.004 min
Response: 787139037
Conc: 45.26 ng/ml



#17 4,4'-DDT

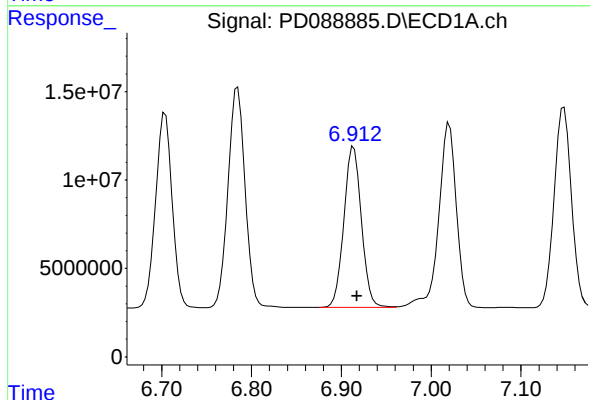
R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 142158574
Conc: 45.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-3MS



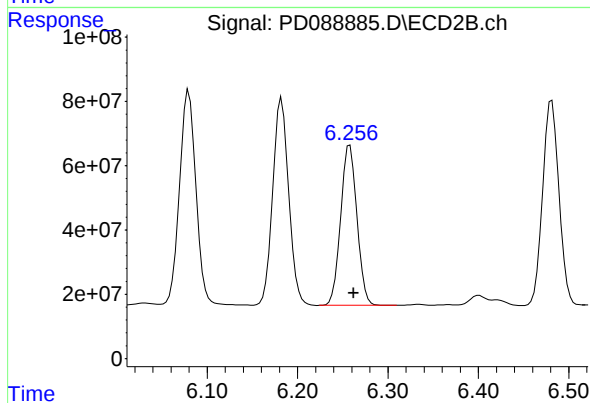
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.005 min
Response: 792931084
Conc: 43.72 ng/ml



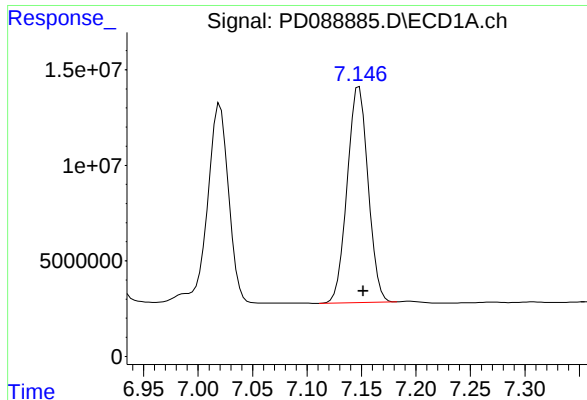
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: -0.004 min
Response: 123048846
Conc: 47.79 ng/ml



#18 Endrin aldehyde

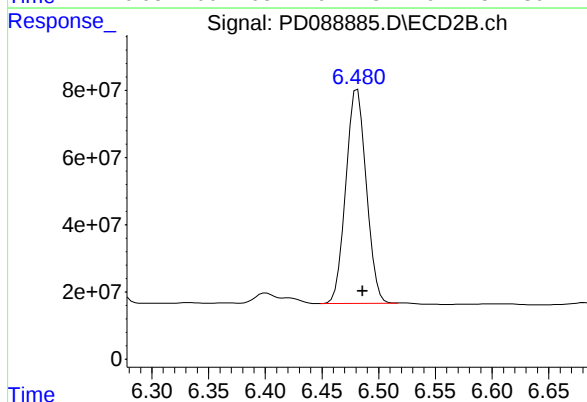
R.T.: 6.258 min
Delta R.T.: -0.004 min
Response: 623222780
Conc: 44.74 ng/ml



#19 Endosulfan Sulfate

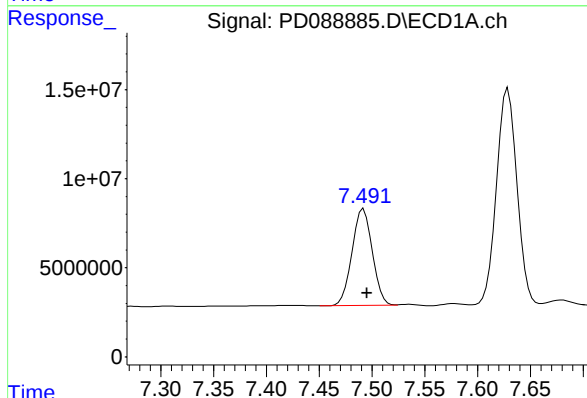
R.T.: 7.148 min
Delta R.T.: -0.004 min
Response: 150728673
Conc: 47.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-3MS



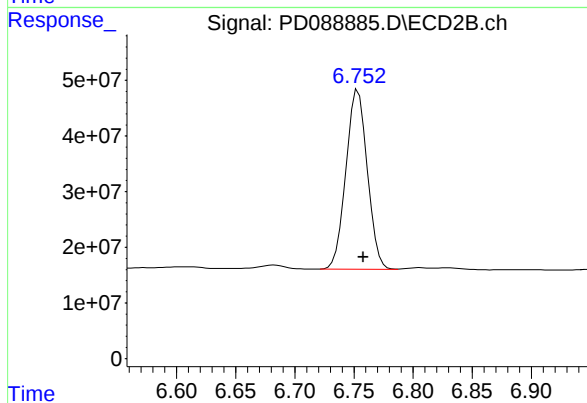
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: -0.005 min
Response: 799926670
Conc: 45.05 ng/ml



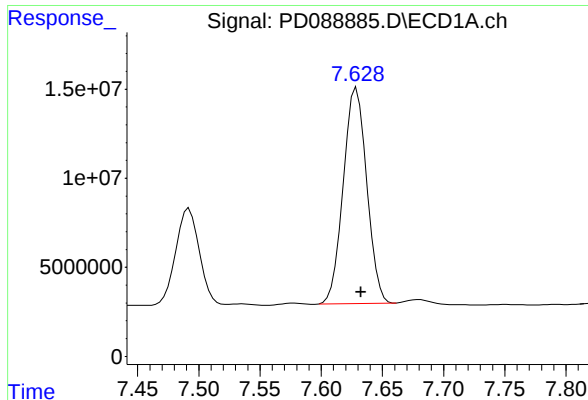
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.003 min
Response: 72201418
Conc: 43.22 ng/ml



#20 Methoxychlor

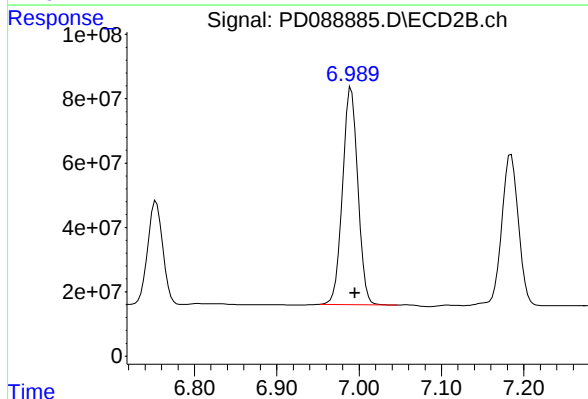
R.T.: 6.753 min
Delta R.T.: -0.005 min
Response: 406546334
Conc: 42.46 ng/ml



#21 Endrin ketone

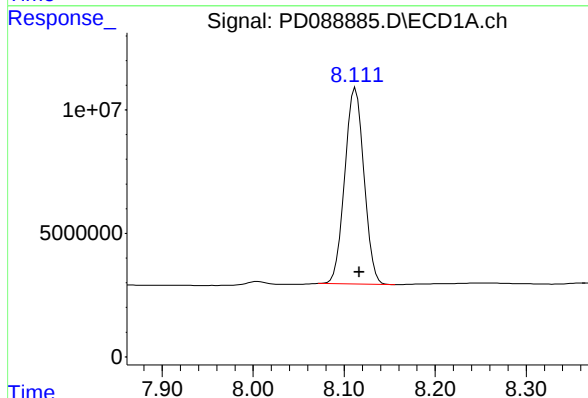
R.T.: 7.629 min
Delta R.T.: -0.004 min
Response: 161905507
Conc: 47.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-3MS



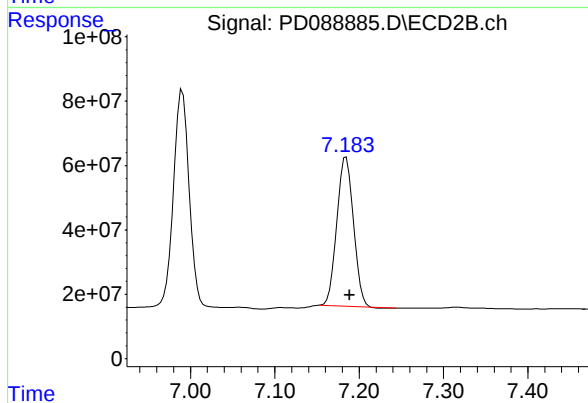
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.005 min
Response: 869586441
Conc: 44.95 ng/ml



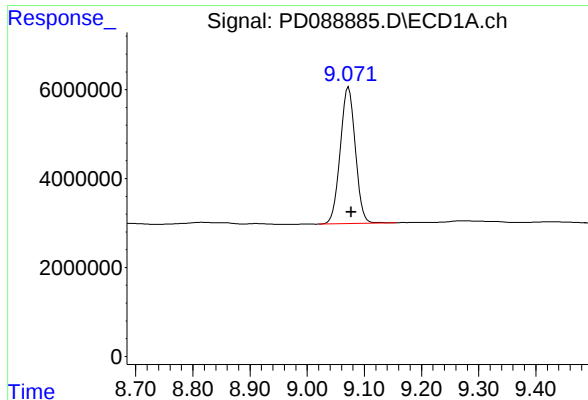
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.004 min
Response: 116876650
Conc: 44.98 ng/ml



#22 Mirex

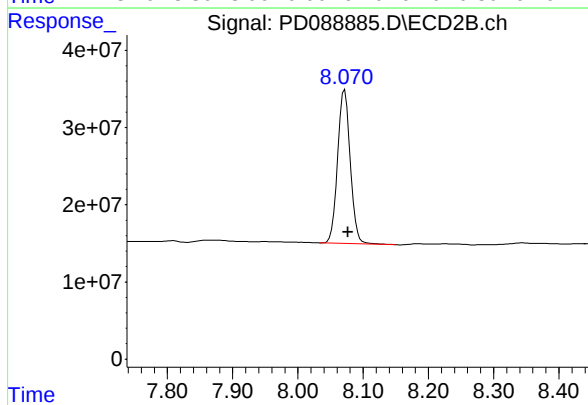
R.T.: 7.185 min
Delta R.T.: -0.004 min
Response: 635766183
Conc: 41.82 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.005 min
Response: 56161470
Conc: 16.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-3MS



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: -0.005 min
Response: 268434738
Conc: 14.70 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	06/06/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	WC-3MSD	SDG No.:	Q2259
Lab Sample ID:	Q2266-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.6 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088886.D	1	06/09/25 09:11	06/10/25 19:36	PB168350

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.020		0.00015	0.00037	0.0019	mg/Kg
319-85-7	beta-BHC	0.019		0.00020	0.00094	0.0019	mg/Kg
319-86-8	delta-BHC	0.021		0.00044	0.00094	0.0019	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.019		0.00016	0.00037	0.0019	mg/Kg
76-44-8	Heptachlor	0.018		0.00014	0.00037	0.0019	mg/Kg
309-00-2	Aldrin	0.020		0.00014	0.00037	0.0019	mg/Kg
1024-57-3	Heptachlor epoxide	0.019		0.00021	0.00094	0.0019	mg/Kg
959-98-8	Endosulfan I	0.019		0.00016	0.00037	0.0019	mg/Kg
60-57-1	Dieldrin	0.019		0.00016	0.00037	0.0019	mg/Kg
72-55-9	4,4-DDE	0.019		0.00016	0.00037	0.0019	mg/Kg
72-20-8	Endrin	0.018		0.00016	0.00037	0.0019	mg/Kg
33213-65-9	Endosulfan II	0.018		0.00033	0.00094	0.0019	mg/Kg
72-54-8	4,4-DDD	0.019		0.00017	0.00037	0.0019	mg/Kg
1031-07-8	Endosulfan Sulfate	0.018		0.00015	0.00037	0.0019	mg/Kg
50-29-3	4,4-DDT	0.018		0.00016	0.00037	0.0019	mg/Kg
72-43-5	Methoxychlor	0.017		0.00042	0.00094	0.0019	mg/Kg
53494-70-5	Endrin ketone	0.018		0.00021	0.00094	0.0019	mg/Kg
7421-93-4	Endrin aldehyde	0.019		0.00042	0.00094	0.0019	mg/Kg
5103-71-9	alpha-Chlordane	0.019		0.00014	0.00037	0.0019	mg/Kg
5103-74-2	gamma-Chlordane	0.019		0.00017	0.00037	0.0019	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0061	0.019	0.037	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	16.3		55 - 130		81%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		42 - 129		94%	SPK: 20

Report of Analysis

Client:	Nobis Group	Date Collected:	06/06/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	WC-3MSD	SDG No.:	Q2259
Lab Sample ID:	Q2266-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.6 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088886.D	1	06/09/25 09:11	06/10/25 19:36	PB168350

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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\PD061025\
 Data File : PD088886.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Jun 2025 19:36
 Operator : AR\AJ
 Sample : Q2266-01MSD
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 WC-3MSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 11 07:43:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.548	2.880	40784602	270.8E6	18.849	17.901
28) SA Decachlor...	9.071	8.071	55638388	277.5E6	16.257	15.198
Target Compounds						
2) A alpha-BHC	3.998	3.393	248.4E6	1157.7E6	52.008	48.434
3) MA gamma-BHC...	4.328	3.729	237.3E6	1064.7E6	51.564	48.035
4) MA Heptachlor	4.928	4.082	219.3E6	1029.3E6	49.047	45.840
5) MB Aldrin	5.269	4.368	228.1E6	1059.6E6	51.908	48.317
6) B beta-BHC	4.514	4.025	92009775	472.4E6	51.027	48.493
7) B delta-BHC	4.763	4.261	234.9E6	1088.6E6	55.594	48.828
8) B Heptachlo...	5.689	4.872	203.0E6	950.3E6	51.152	47.824
9) A Endosulfan I	6.073	5.246	189.6E6	908.2E6	50.382	47.852
10) B gamma-Chl...	5.945	5.125	199.4E6	1036.9E6	49.999	48.608
11) B alpha-Chl...	6.026	5.190	202.5E6	999.1E6	50.544	48.441
12) B 4,4'-DDE	6.194	5.375	183.4E6	989.6E6	51.101	47.346
13) MA Dieldrin	6.345	5.512	199.9E6	992.6E6	49.837	47.169
14) MA Endrin	6.573	5.789	167.5E6	897.4E6	49.034	46.535
15) B Endosulfa...	6.785	6.079	166.2E6	855.2E6	48.258	46.676
16) A 4,4'-DDD	6.704	5.929	143.2E6	799.7E6	51.417	45.983
17) MA 4,4'-DDT	7.020	6.183	146.5E6	809.6E6	46.938	44.639
18) B Endrin al...	6.913	6.258	126.4E6	637.0E6	49.102	45.736
19) B Endosulfa...	7.148	6.482	152.9E6	812.1E6	47.750	45.737
20) A Methoxychlor	7.492	6.753	73910624	416.3E6	44.243	43.482
21) B Endrin ke...	7.629	6.991	164.1E6	889.8E6	47.928	45.989
22) Mirex	8.113	7.185	118.7E6	656.0E6	45.702	43.152

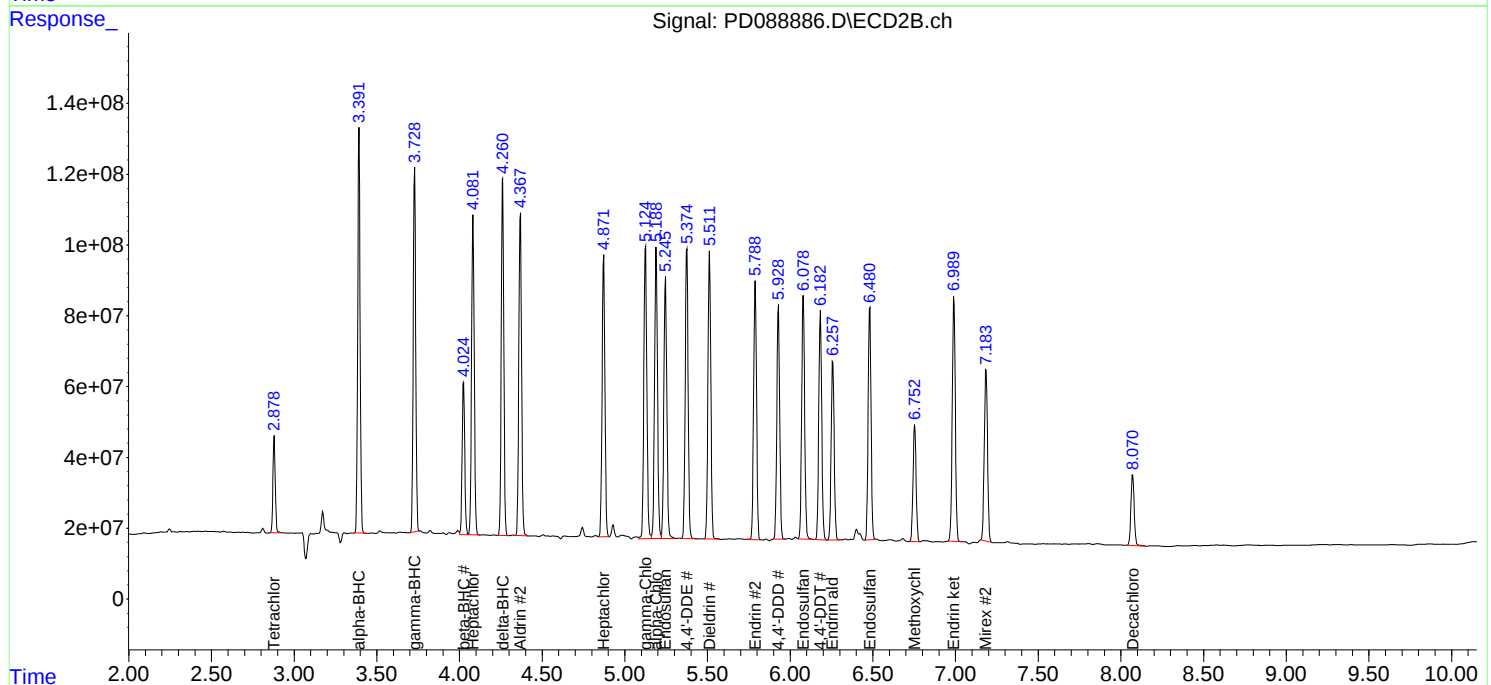
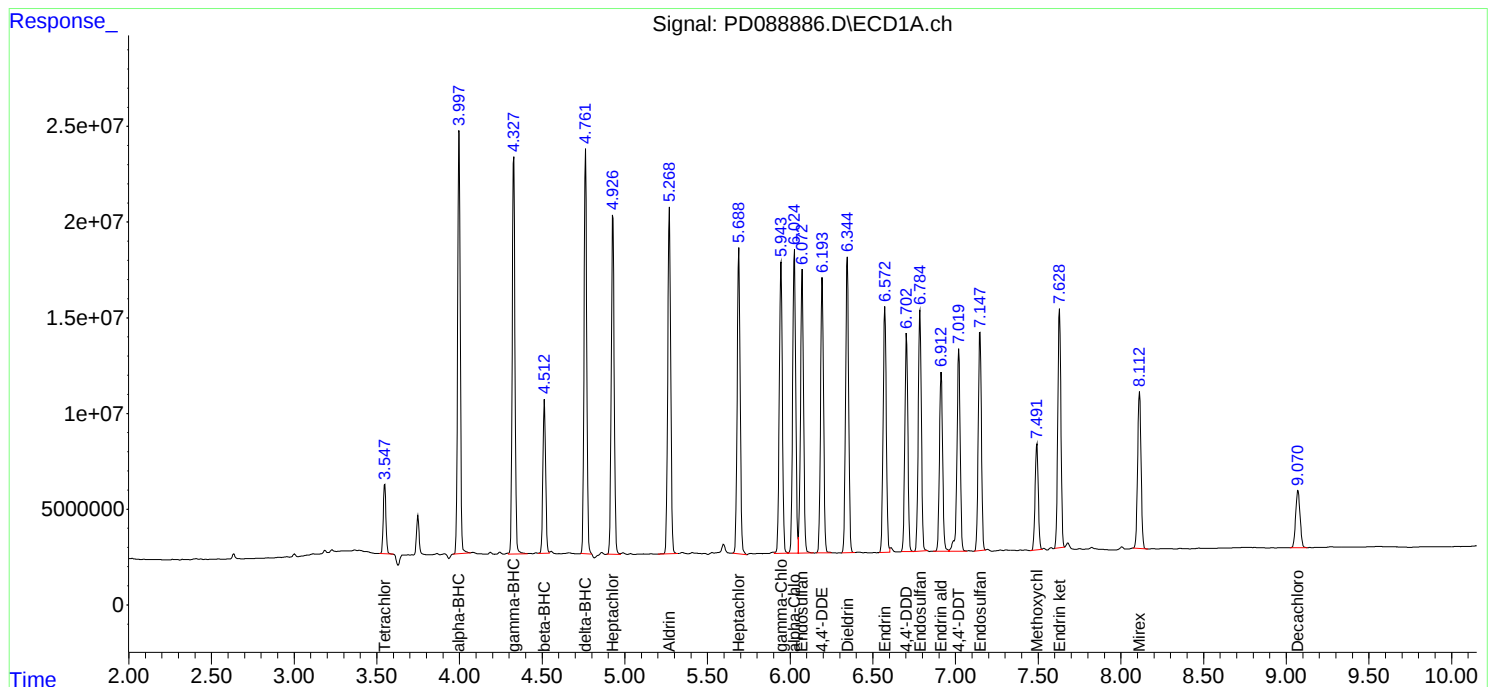
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

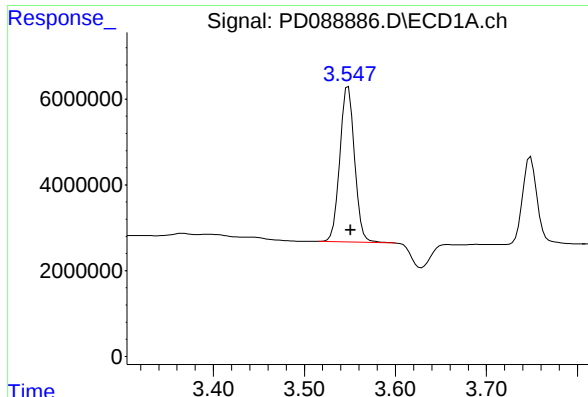
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
Data File : PD088886.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 19:36
Operator : AR\AJ
Sample : Q2266-01MSD
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
WC-3MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 07:43:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

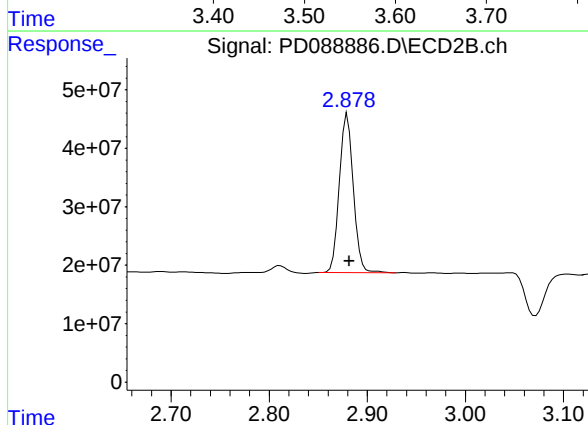




#1 Tetrachloro-m-xylene

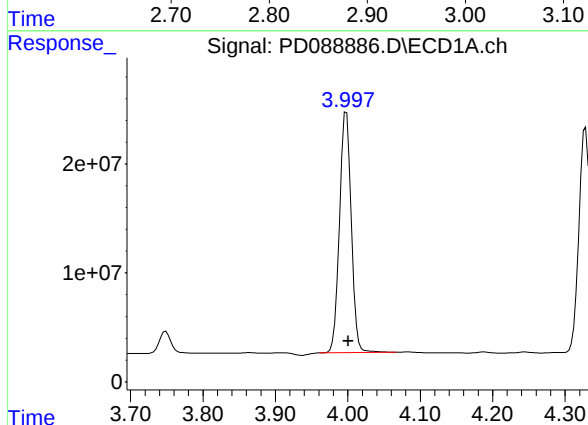
R.T.: 3.548 min
Delta R.T.: -0.003 min
Response: 40784602
Conc: 18.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-3MSD



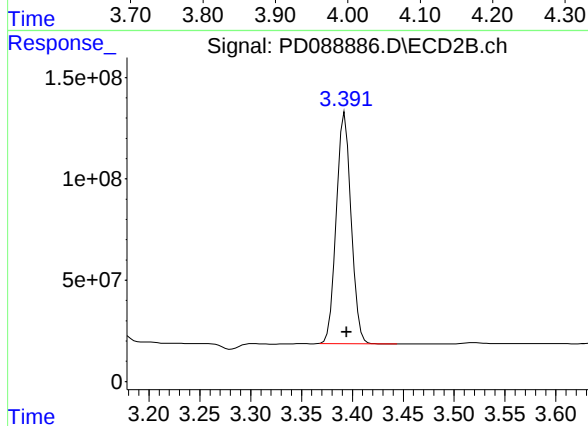
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.002 min
Response: 270791909
Conc: 17.90 ng/ml



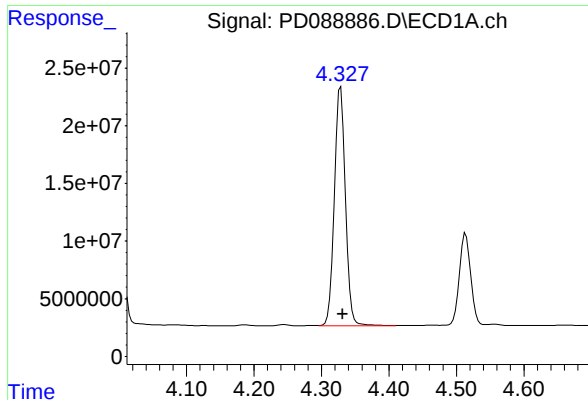
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.002 min
Response: 248419640
Conc: 52.01 ng/ml



#2 alpha-BHC

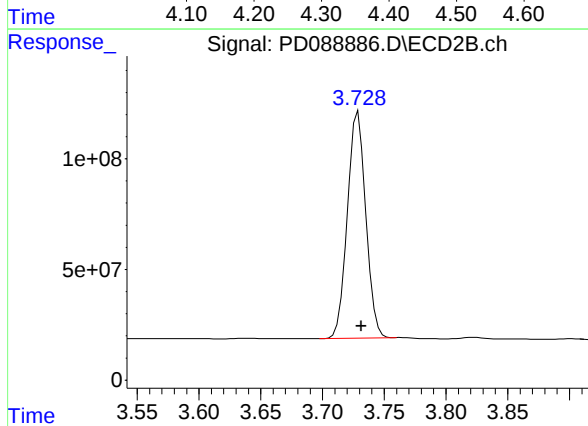
R.T.: 3.393 min
Delta R.T.: -0.002 min
Response: 1157744815
Conc: 48.43 ng/ml



#3 gamma-BHC (Lindane)

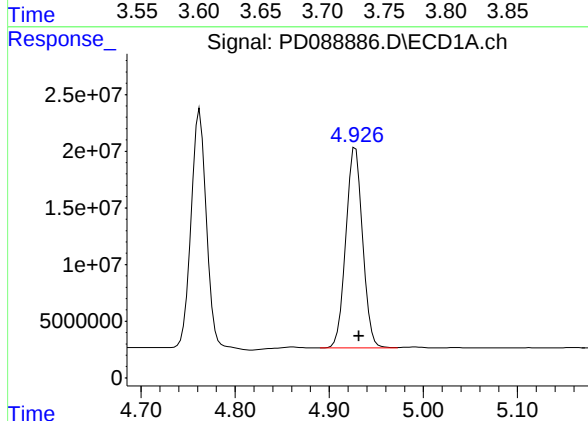
R.T.: 4.328 min
Delta R.T.: -0.003 min
Response: 237334942
Conc: 51.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-3MSD



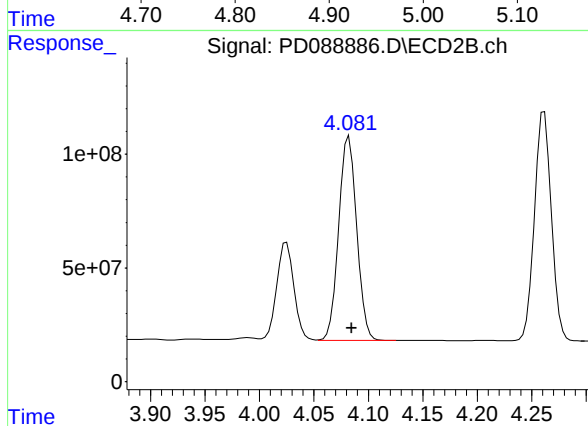
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: -0.003 min
Response: 1064738602
Conc: 48.04 ng/ml



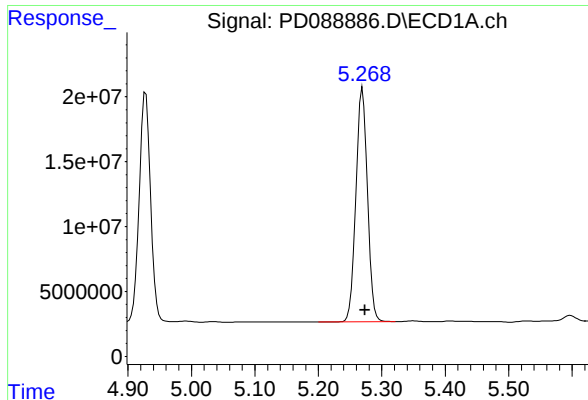
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: -0.004 min
Response: 219301282
Conc: 49.05 ng/ml



#4 Heptachlor

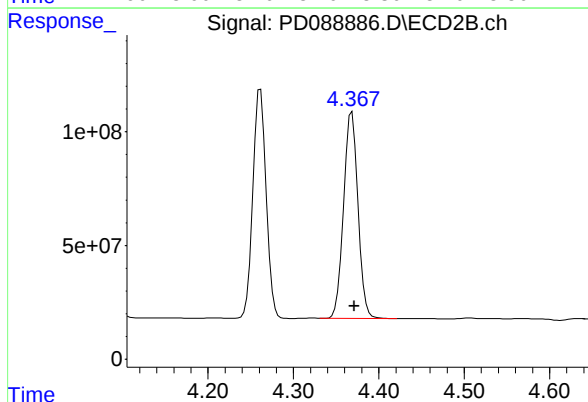
R.T.: 4.082 min
Delta R.T.: -0.003 min
Response: 1029325859
Conc: 45.84 ng/ml



#5 Aldrin

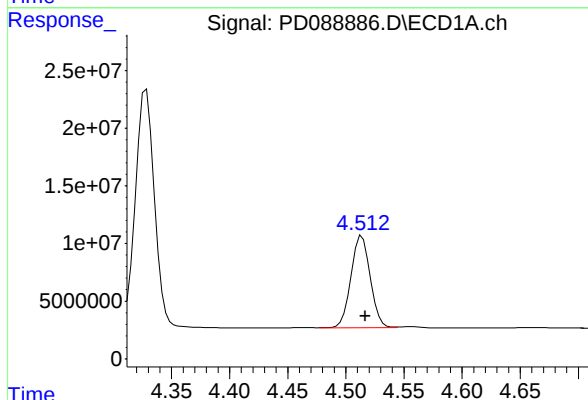
R.T.: 5.269 min
Delta R.T.: -0.004 min
Response: 228108608
Conc: 51.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-3MSD



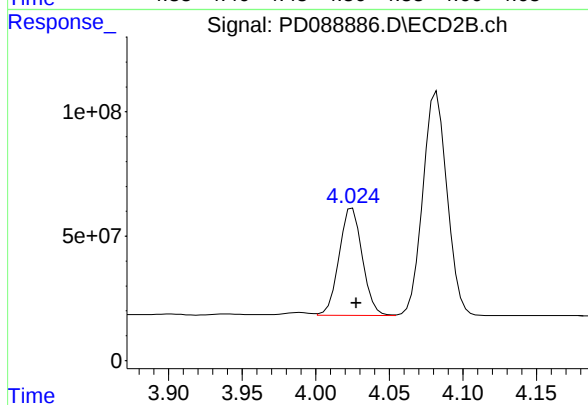
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: -0.003 min
Response: 1059590922
Conc: 48.32 ng/ml



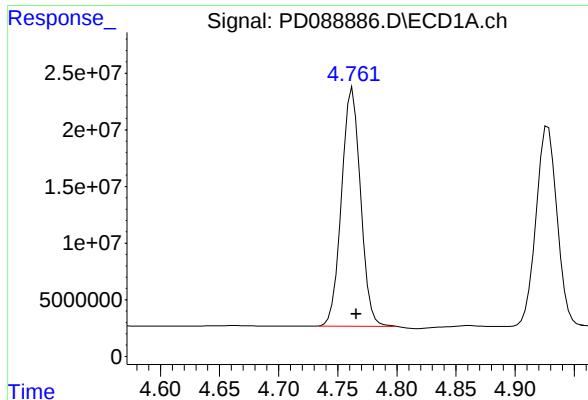
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.003 min
Response: 92009775
Conc: 51.03 ng/ml



#6 beta-BHC

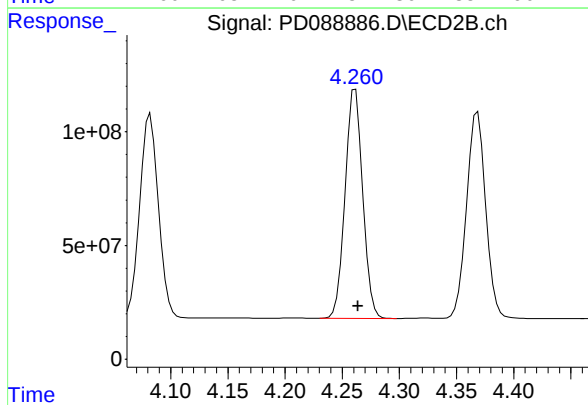
R.T.: 4.025 min
Delta R.T.: -0.002 min
Response: 472414532
Conc: 48.49 ng/ml



#7 delta-BHC

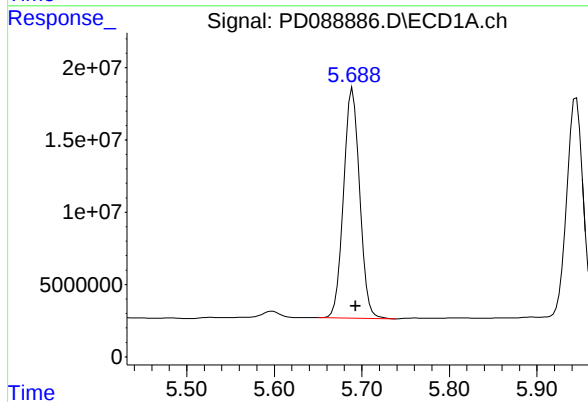
R.T.: 4.763 min
Delta R.T.: -0.003 min
Response: 234948232
Conc: 55.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-3MSD



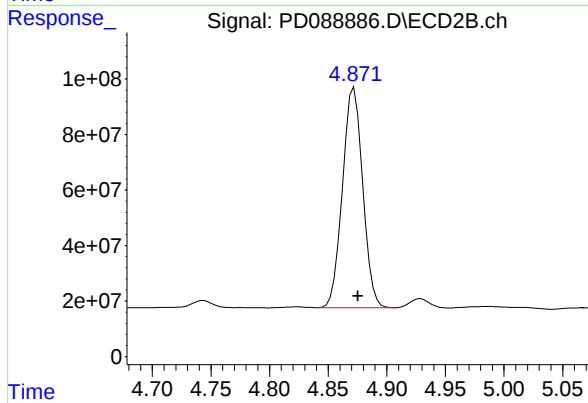
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.002 min
Response: 1088586841
Conc: 48.83 ng/ml



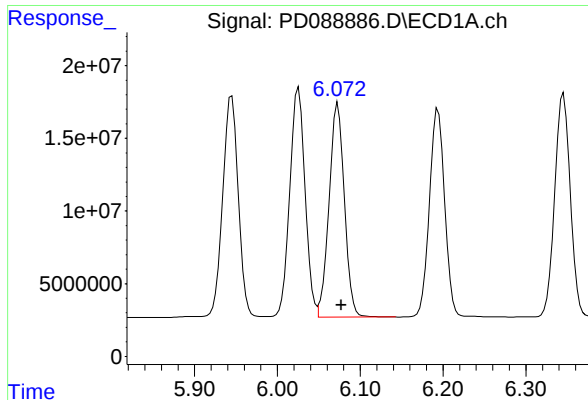
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: -0.003 min
Response: 203038461
Conc: 51.15 ng/ml



#8 Heptachlor epoxide

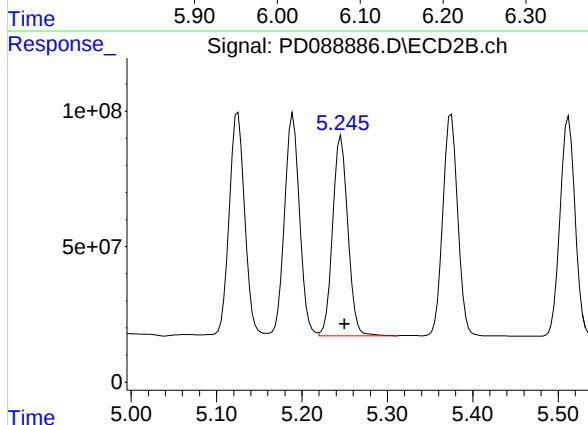
R.T.: 4.872 min
Delta R.T.: -0.003 min
Response: 950333637
Conc: 47.82 ng/ml



#9 Endosulfan I

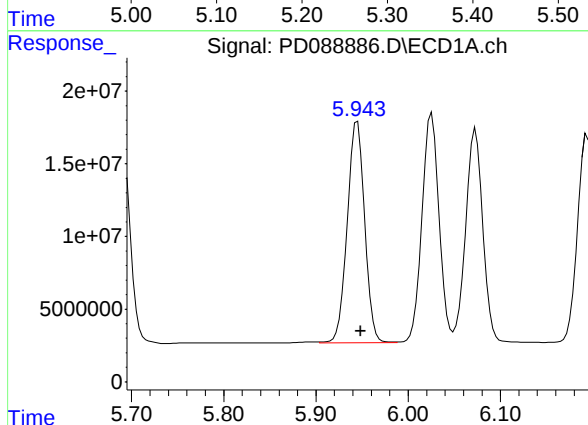
R.T.: 6.073 min
Delta R.T.: -0.004 min
Response: 189585260
Conc: 50.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-3MSD



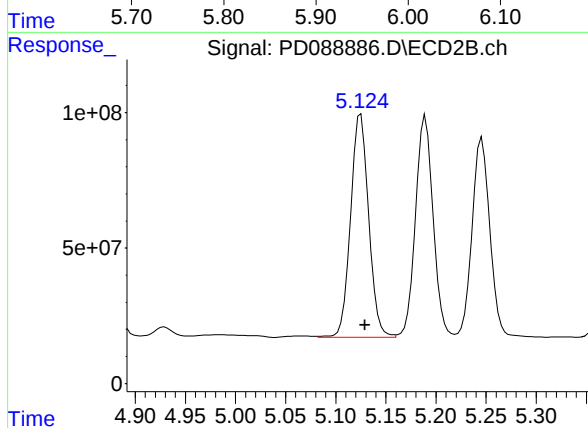
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: -0.004 min
Response: 908156356
Conc: 47.85 ng/ml



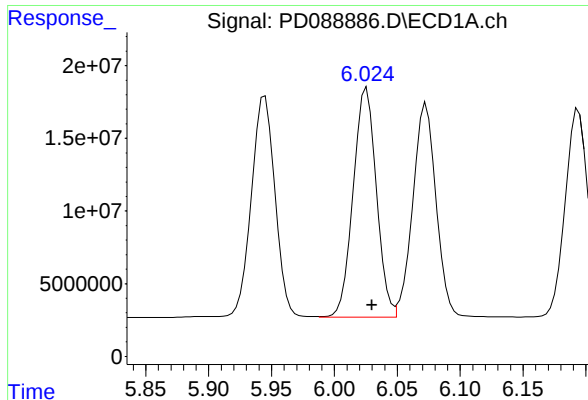
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: -0.004 min
Response: 199443892
Conc: 50.00 ng/ml



#10 gamma-Chlordane

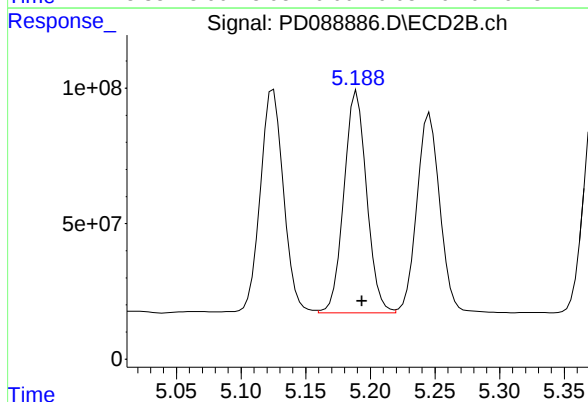
R.T.: 5.125 min
Delta R.T.: -0.004 min
Response: 1036902614
Conc: 48.61 ng/ml



#11 alpha-Chlordane

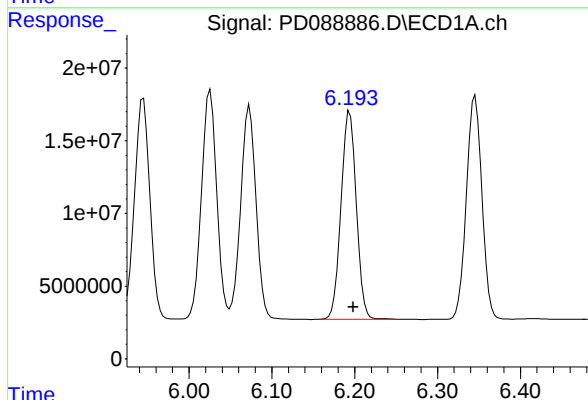
R.T.: 6.026 min
Delta R.T.: -0.004 min
Response: 202492435
Conc: 50.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-3MSD



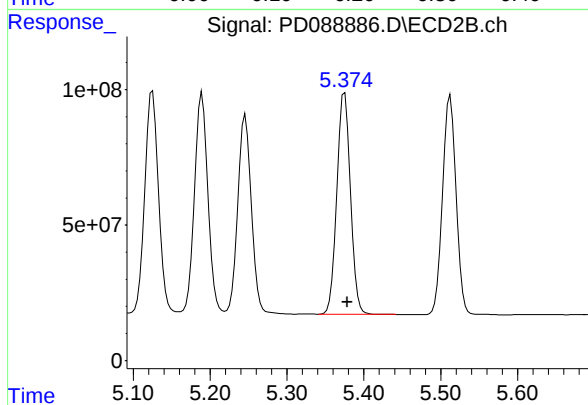
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: -0.004 min
Response: 999096329
Conc: 48.44 ng/ml



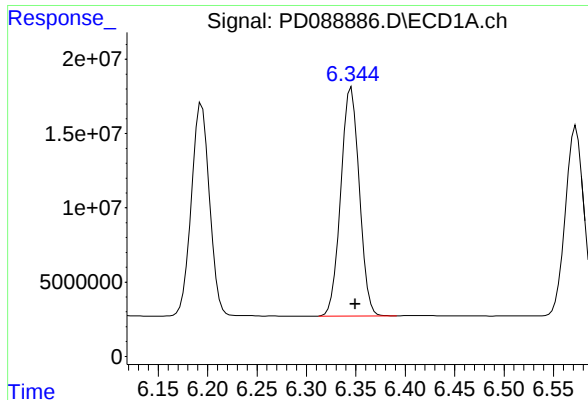
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: -0.004 min
Response: 183420331
Conc: 51.10 ng/ml



#12 4,4'-DDE

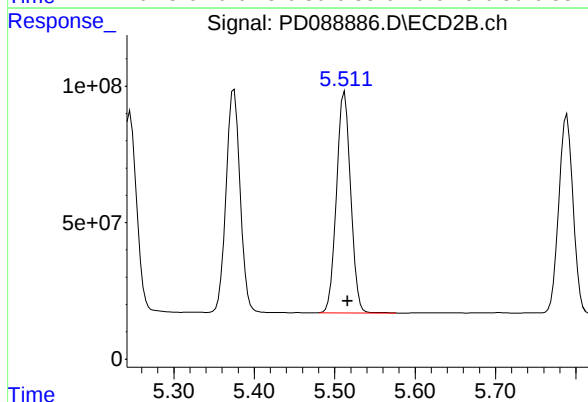
R.T.: 5.375 min
Delta R.T.: -0.003 min
Response: 989649884
Conc: 47.35 ng/ml



#13 Dieldrin

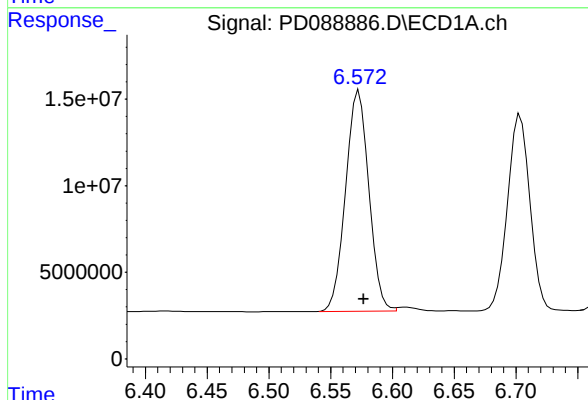
R.T.: 6.345 min
Delta R.T.: -0.004 min
Response: 199930761
Conc: 49.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-3MSD



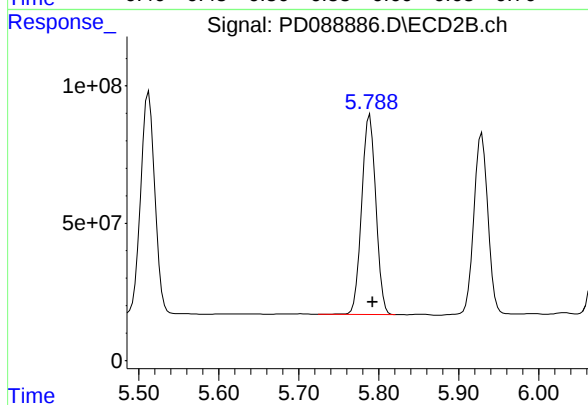
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: -0.003 min
Response: 992622638
Conc: 47.17 ng/ml



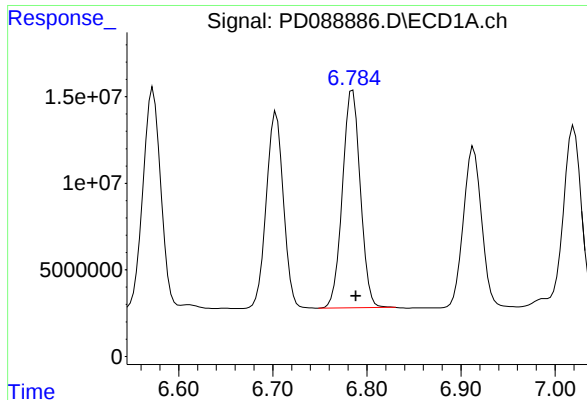
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.004 min
Response: 167458941
Conc: 49.03 ng/ml



#14 Endrin

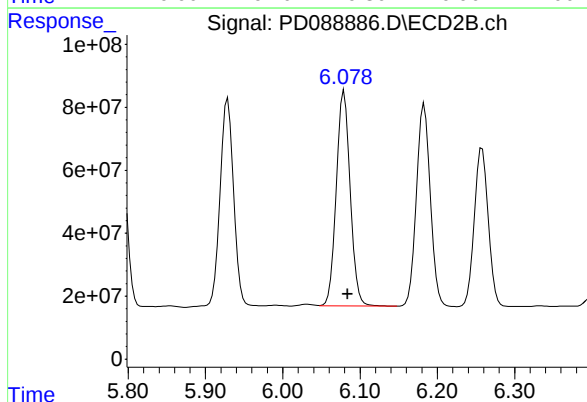
R.T.: 5.789 min
Delta R.T.: -0.003 min
Response: 897385231
Conc: 46.54 ng/ml



#15 Endosulfan II

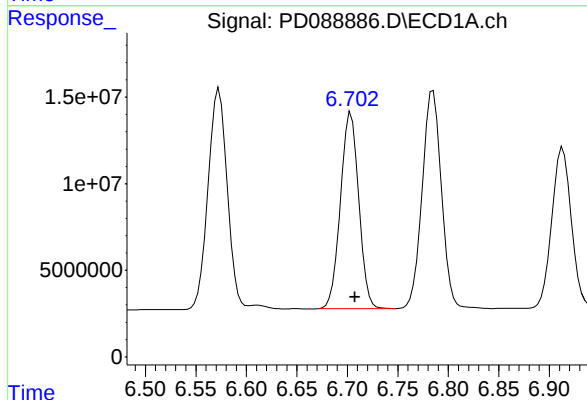
R.T.: 6.785 min
Delta R.T.: -0.004 min
Response: 166181866
Conc: 48.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-3MSD



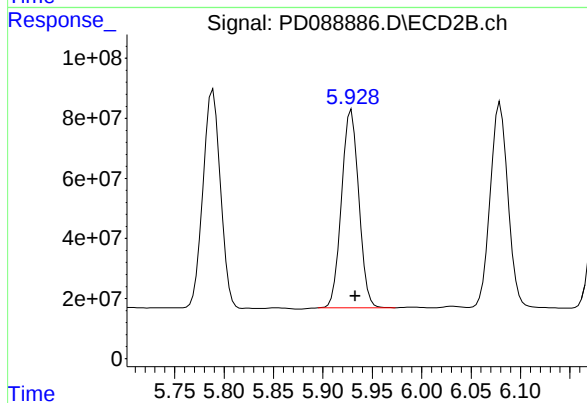
#15 Endosulfan II

R.T.: 6.079 min
Delta R.T.: -0.004 min
Response: 855190780
Conc: 46.68 ng/ml



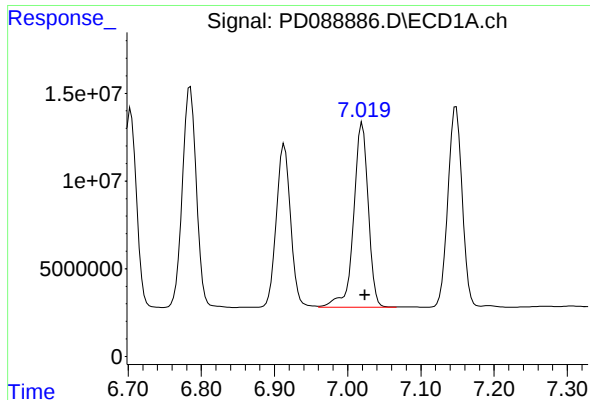
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.004 min
Response: 143200164
Conc: 51.42 ng/ml



#16 4,4'-DDD

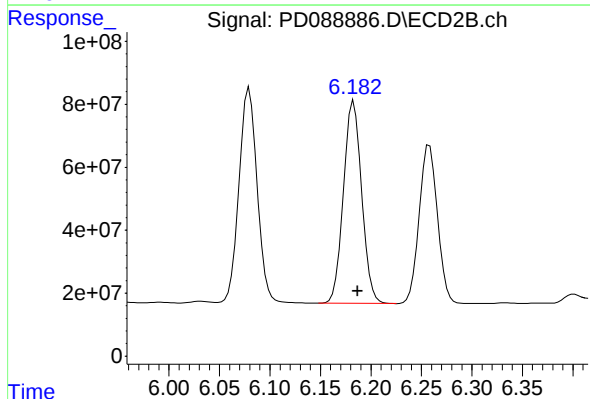
R.T.: 5.929 min
Delta R.T.: -0.004 min
Response: 799747075
Conc: 45.98 ng/ml



#17 4,4'-DDT

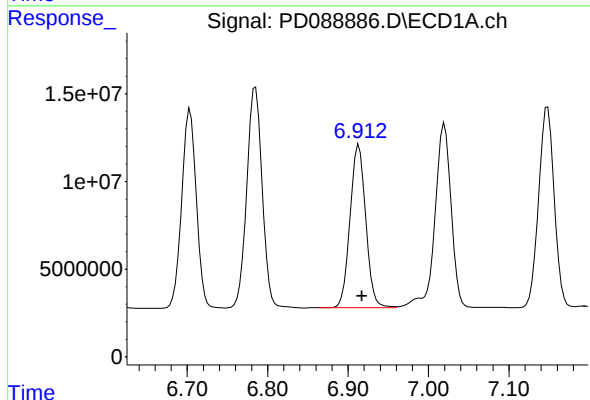
R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 146542888
Conc: 46.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-3MSD



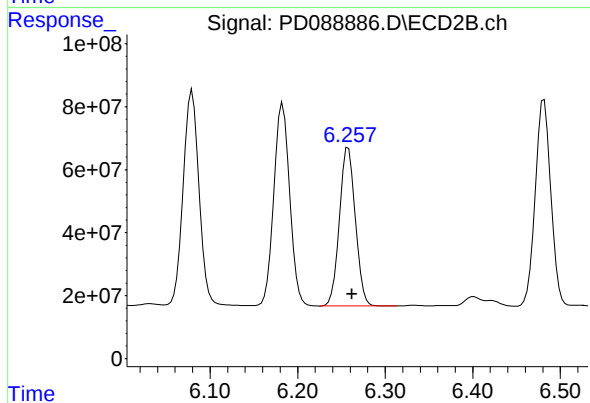
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.004 min
Response: 809634487
Conc: 44.64 ng/ml



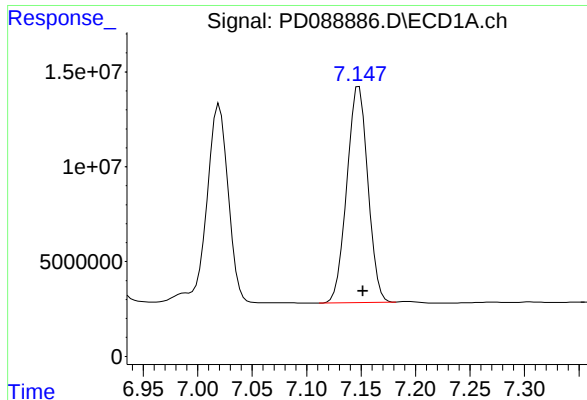
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: -0.004 min
Response: 126417857
Conc: 49.10 ng/ml



#18 Endrin aldehyde

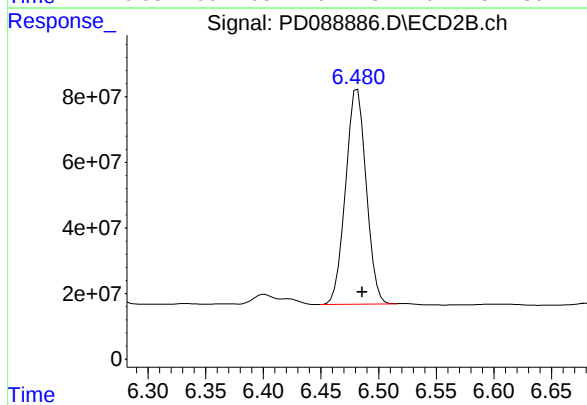
R.T.: 6.258 min
Delta R.T.: -0.004 min
Response: 637048865
Conc: 45.74 ng/ml



#19 Endosulfan Sulfate

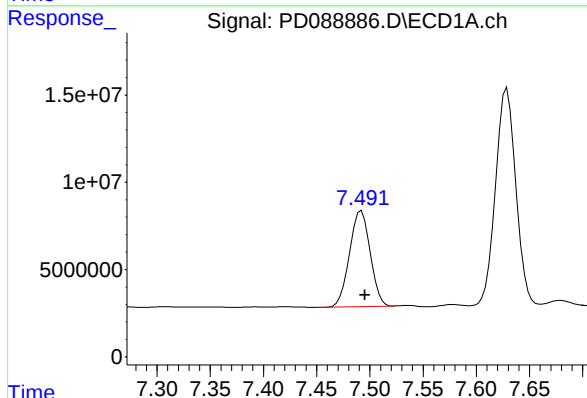
R.T.: 7.148 min
Delta R.T.: -0.004 min
Response: 152947248
Conc: 47.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-3MSD



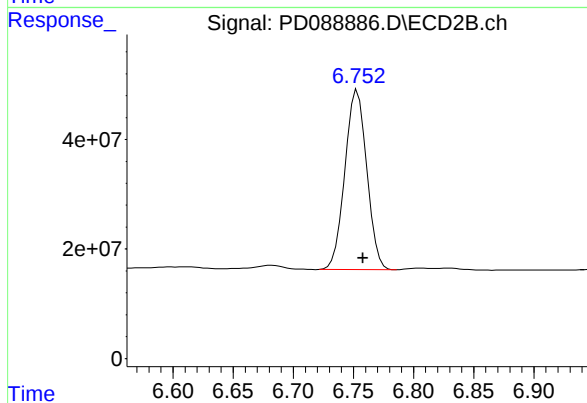
#19 Endosulfan Sulfate

R.T.: 6.482 min
Delta R.T.: -0.004 min
Response: 812095136
Conc: 45.74 ng/ml



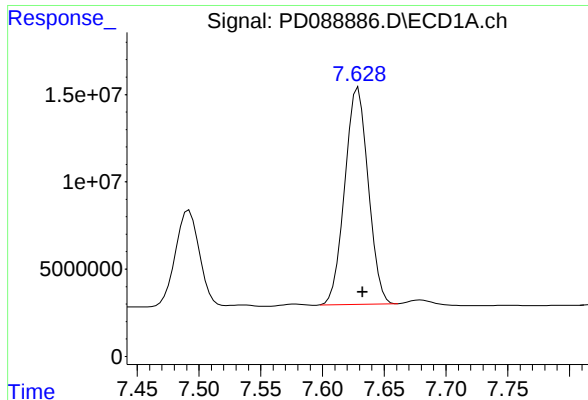
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.003 min
Response: 73910624
Conc: 44.24 ng/ml



#20 Methoxychlor

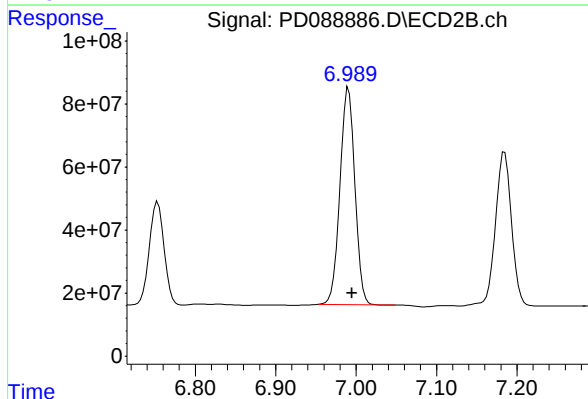
R.T.: 6.753 min
Delta R.T.: -0.005 min
Response: 416329339
Conc: 43.48 ng/ml



#21 Endrin ketone

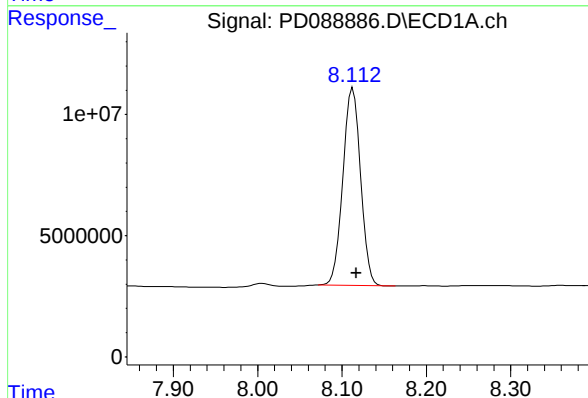
R.T.: 7.629 min
Delta R.T.: -0.004 min
Response: 164063701
Conc: 47.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-3MSD



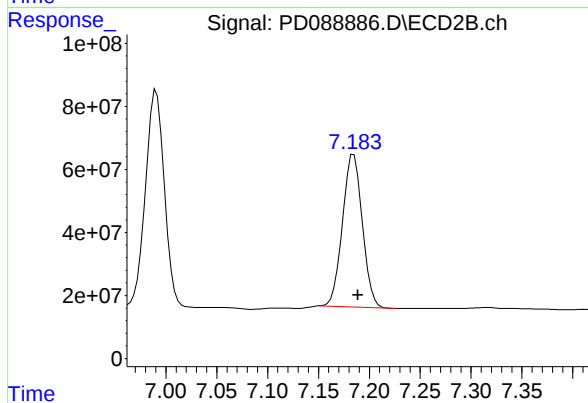
#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: -0.004 min
Response: 889772024
Conc: 45.99 ng/ml



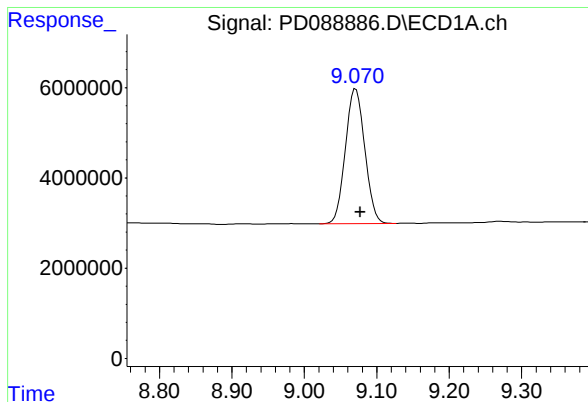
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.004 min
Response: 118746116
Conc: 45.70 ng/ml



#22 Mirex

R.T.: 7.185 min
Delta R.T.: -0.004 min
Response: 656017921
Conc: 43.15 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min

Delta R.T.: -0.006 min

Response: 55638388

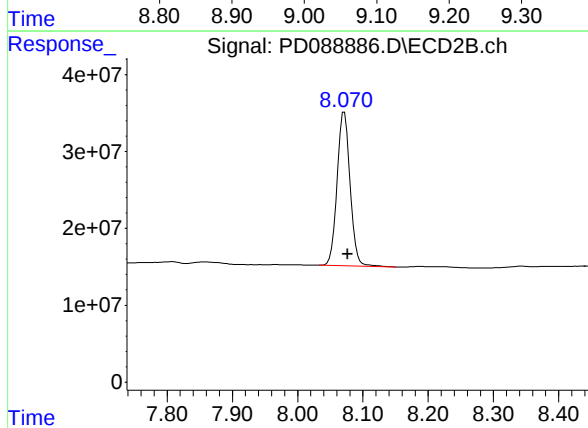
Conc: 16.26 ng/ml

Instrument :

ECD_D

ClientSampleId :

WC-3MSD



#28 Decachlorobiphenyl

R.T.: 8.071 min

Delta R.T.: -0.005 min

Response: 277457184

Conc: 15.20 ng/ml

Manual Integration Report

Sequence:	PD051925	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088584.D	4,4"-DDD	Abdul	5/20/2025 9:03:15 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088584.D	4,4"-DDD #2	Abdul	5/20/2025 9:03:15 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088584.D	Endrin aldehyde	Abdul	5/20/2025 9:03:15 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088584.D	Endrin aldehyde #2	Abdul	5/20/2025 9:03:15 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088584.D	Endrin ketone	Abdul	5/20/2025 9:03:15 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088584.D	Endrin ketone #2	Abdul	5/20/2025 9:03:15 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PSTDICC005	PD088590.D	Heptachlor	Abdul	5/20/2025 9:03:19 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PSTDICC005	PD088590.D	Heptachlor epoxide	Abdul	5/20/2025 9:03:19 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PCHLORICV500	PD088602.D	Chlordane-1	Abdul	5/20/2025 9:03:30 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088605.D	4,4"-DDD	Abdul	5/20/2025 9:03:34 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088605.D	4,4"-DDD #2	Abdul	5/20/2025 9:03:34 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088605.D	Endrin aldehyde #2	Abdul	5/20/2025 9:03:34 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088605.D	Endrin ketone	Abdul	5/20/2025 9:03:34 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software

Manual Integration Report

Sequence:

PD051925

Instrument

ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088605.D	Endrin ketone #2	Abdul	5/20/2025 9:03:34 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
I.BLK	PD088613.D	Decachlorobiphenyl	Abdul	5/20/2025 9:03:54 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PSTDCCC050	PD088614.D	4,4"-DDE #2	Abdul	5/20/2025 9:03:58 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software

Manual Integration Report

Sequence:	PD061025	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088854.D	Endrin aldehyde	Abdul	6/11/2025 7:47:23 AM	mohammad	6/13/2025 1:37:42	Peak Integrated by Software
PEM	PD088854.D	Endrin ketone	Abdul	6/11/2025 7:47:23 AM	mohammad	6/13/2025 1:37:42	Peak Integrated by Software
PSTDCCC050	PD088866.D	4,4"-DDE #2	Abdul	6/11/2025 7:47:30 AM	mohammad	6/13/2025 1:37:42	Peak Integrated by Software
PEM	PD088879.D	Endrin aldehyde	Abdul	6/11/2025 10:49:51 AM	mohammad	6/13/2025 1:37:42	Peak Integrated by Software
PEM	PD088879.D	Endrin aldehyde #2	Abdul	6/11/2025 10:49:51 AM	mohammad	6/13/2025 1:37:42	Peak Integrated by Software
PEM	PD088879.D	Endrin ketone	Abdul	6/11/2025 10:49:51 AM	mohammad	6/13/2025 1:37:42	Peak Integrated by Software

Manual Integration Report

Sequence:	pd061125	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088903.D	Endrin aldehyde #2	Abdul	6/12/2025 4:40:57 PM	mohammad	6/13/2025 1:38:33	Peak Integrated by Software
PSTDCCC050	PD088904.D	4,4"-DDE #2	Abdul	6/12/2025 4:41:00 PM	mohammad	6/13/2025 1:38:33	Peak Integrated by Software
PSTDCCC050	PD088904.D	Aldrin #2	Abdul	6/12/2025 4:41:00 PM	mohammad	6/13/2025 1:38:33	Peak Integrated by Software
PCHLORCCC500	PD088905.D	Chlordane-1	Abdul	6/12/2025 4:41:03 PM	mohammad	6/13/2025 1:38:33	Peak Integrated by Software
Q2259-03	PD088912.D	Methoxychlor	Abdul	6/12/2025 4:41:20 PM	mohammad	6/13/2025 1:38:33	Peak Integrated by Software
Q2259-03	PD088912.D	Methoxychlor #2	Abdul	6/12/2025 4:41:20 PM	mohammad	6/13/2025 1:38:33	Peak Integrated by Software
PSTDCCC050	PD088914.D	4,4"-DDE #2	Abdul	6/12/2025 4:41:23 PM	mohammad	6/13/2025 1:38:33	Peak Integrated by Software
PSTDCCC050	PD088914.D	Aldrin #2	Abdul	6/12/2025 4:41:23 PM	mohammad	6/13/2025 1:38:33	Peak Integrated by Software
PCHLORCCC500	PD088915.D	Chlordane-1	Abdul	6/12/2025 4:41:28 PM	mohammad	6/13/2025 1:38:33	Peak Integrated by Software
PSTDCCC050	PD088927.D	4,4"-DDE #2	Abdul	6/12/2025 4:42:03 PM	mohammad	6/13/2025 1:38:33	Peak Integrated by Software
PSTDCCC050	PD088927.D	Aldrin #2	Abdul	6/12/2025 4:42:03 PM	mohammad	6/13/2025 1:38:33	Peak Integrated by Software

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD051925

Review By	Abdul	Review On	5/20/2025 9:04:34 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:34:48 AM
SubDirectory	PD051925	HP Acquire Method	HP Processing Method pd051925 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD088582.D	19 May 2025 10:36	AR\AJ	Ok
2	I.BLK	PD088583.D	19 May 2025 10:50	AR\AJ	Ok
3	PEM	PD088584.D	19 May 2025 11:04	AR\AJ	Ok,M
4	RESCHK	PD088585.D	19 May 2025 11:17	AR\AJ	Ok
5	PSTDICC100	PD088586.D	19 May 2025 11:31	AR\AJ	Ok
6	PSTDICC075	PD088587.D	19 May 2025 11:45	AR\AJ	Ok
7	PSTDICC050	PD088588.D	19 May 2025 11:58	AR\AJ	Ok
8	PSTDICC025	PD088589.D	19 May 2025 12:12	AR\AJ	Ok
9	PSTDICC005	PD088590.D	19 May 2025 12:25	AR\AJ	Ok,M
10	PCHLORICC1000	PD088591.D	19 May 2025 12:39	AR\AJ	Ok
11	PCHLORICC750	PD088592.D	19 May 2025 12:52	AR\AJ	Ok
12	PCHLORICC500	PD088593.D	19 May 2025 13:06	AR\AJ	Ok
13	PCHLORICC250	PD088594.D	19 May 2025 13:19	AR\AJ	Ok
14	PCHLORICC050	PD088595.D	19 May 2025 13:33	AR\AJ	Ok
15	PTOXICC1000	PD088596.D	19 May 2025 13:47	AR\AJ	Ok
16	PTOXICC750	PD088597.D	19 May 2025 14:00	AR\AJ	Ok
17	PTOXICC500	PD088598.D	19 May 2025 14:14	AR\AJ	Ok
18	PTOXICC250	PD088599.D	19 May 2025 14:27	AR\AJ	Ok,M
19	PTOXICC100	PD088600.D	19 May 2025 14:41	AR\AJ	Ok
20	PSTDICV050	PD088601.D	19 May 2025 14:55	AR\AJ	Ok
21	PCHLORICV500	PD088602.D	19 May 2025 15:08	AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD051925

Review By	Abdul	Review On	5/20/2025 9:04:34 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:34:48 AM
SubDirectory	PD051925	HP Acquire Method	HP Processing Method pd051925 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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	PD088603.D	19 May 2025 15:22	AR\AJ	Ok
23	I.BLK	PD088604.D	19 May 2025 15:35	AR\AJ	Ok
24	PEM	PD088605.D	19 May 2025 15:49	AR\AJ	Ok,M
25	PSTDCCC050	PD088606.D	19 May 2025 16:02	AR\AJ	Ok
26	PTOXCCC500	PD088607.D	19 May 2025 16:16	AR\AJ	Ok
27	PB167959BS	PD088608.D	19 May 2025 16:32	AR\AJ	Ok
28	Q1984-09RE	PD088609.D	19 May 2025 16:50	AR\AJ	Confirms
29	Q1984-11RE	PD088610.D	19 May 2025 17:04	AR\AJ	Confirms
30	Q1984-13RE	PD088611.D	19 May 2025 17:18	AR\AJ	Confirms
31	Q1984-15RE	PD088612.D	19 May 2025 17:31	AR\AJ	Confirms
32	I.BLK	PD088613.D	19 May 2025 17:45	AR\AJ	Ok,M
33	PSTDCCC050	PD088614.D	19 May 2025 18:45	AR\AJ	Ok,M
34	PTOXCCC500	PD088615.D	19 May 2025 19:32	AR\AJ	Ok
35	PB168066BL	PD088616.D	19 May 2025 20:26	AR\AJ	Ok
36	PB168066BS	PD088617.D	19 May 2025 20:40	AR\AJ	Not Ok
37	PB167994TB	PD088618.D	19 May 2025 20:54	AR\AJ	Ok
38	Q2014-05	PD088619.D	19 May 2025 21:08	AR\AJ	Not Ok
39	Q2027-03	PD088620.D	19 May 2025 21:21	AR\AJ	Ok,M
40	Q2027-03MS	PD088621.D	19 May 2025 21:35	AR\AJ	Ok,M
41	Q2027-03MSD	PD088622.D	19 May 2025 21:49	AR\AJ	Ok,M
42	Q2027-04	PD088623.D	19 May 2025 22:02	AR\AJ	Ok
43	Q2032-09	PD088624.D	19 May 2025 22:16	AR\AJ	Ok
44	I.BLK	PD088625.D	19 May 2025 22:30	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD051925

Review By	Abdul	Review On	5/20/2025 9:04:34 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:34:48 AM
SubDirectory	PD051925	HP Acquire Method	HP Processing Method pd051925 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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			

45	PSTDCCC050	PD088626.D	19 May 2025 22:43	AR\AJ	Ok
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M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD061025

Review By	Abdul	Review On	6/11/2025 7:48:01 AM
Supervise By	mohammad	Supervise On	6/13/2025 1:37:42 AM
SubDirectory	PD061025	HP Acquire Method	HP Processing Method pd051925 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD088852.D	10 Jun 2025 08:53	AR\AJ	Ok
2	I.BLK	PD088853.D	10 Jun 2025 09:06	AR\AJ	Ok
3	PEM	PD088854.D	10 Jun 2025 09:20	AR\AJ	Ok,M
4	PSTDCCC050	PD088855.D	10 Jun 2025 10:38	AR\AJ	Ok
5	PB168350BL	PD088856.D	10 Jun 2025 12:14	AR\AJ	Ok
6	PB168350BS	PD088857.D	10 Jun 2025 12:28	AR\AJ	Ok
7	Q2248-01	PD088858.D	10 Jun 2025 12:44	AR\AJ	Ok,M
8	Q2235-03	PD088859.D	10 Jun 2025 13:10	AR\AJ	Ok
9	Q2236-03	PD088860.D	10 Jun 2025 13:27	AR\AJ	Ok
10	Q2236-07	PD088861.D	10 Jun 2025 13:41	AR\AJ	Ok
11	Q2236-11	PD088862.D	10 Jun 2025 13:54	AR\AJ	Ok
12	Q2236-15	PD088863.D	10 Jun 2025 14:08	AR\AJ	Ok
13	Q2236-19	PD088864.D	10 Jun 2025 14:22	AR\AJ	Ok
14	I.BLK	PD088865.D	10 Jun 2025 14:35	AR\AJ	Ok
15	PSTDCCC050	PD088866.D	10 Jun 2025 14:49	AR\AJ	Ok,M
16	Q2226-01	PD088867.D	10 Jun 2025 15:03	AR\AJ	Ok,M
17	Q2241-01	PD088868.D	10 Jun 2025 15:16	AR\AJ	Ok,M
18	Q2241-05	PD088869.D	10 Jun 2025 15:30	AR\AJ	Ok,M
19	PB168320BL	PD088870.D	10 Jun 2025 15:44	AR\AJ	Ok
20	PB168320BS	PD088871.D	10 Jun 2025 15:57	AR\AJ	Ok
21	Q2242-01	PD088872.D	10 Jun 2025 16:11	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD061025

Review By	Abdul	Review On	6/11/2025 7:48:01 AM
Supervise By	mohammad	Supervise On	6/13/2025 1:37:42 AM
SubDirectory	PD061025	HP Acquire Method	HP Processing Method pd051925 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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	Q2244-01	PD088873.D	10 Jun 2025 16:25	AR\AJ	Dilution
23	Q2244-01DL	PD088874.D	10 Jun 2025 16:38	AR\AJ	Ok,M
24	Q2240-01	PD088875.D	10 Jun 2025 16:52	AR\AJ	Ok,M
25	Q2240-05	PD088876.D	10 Jun 2025 17:05	AR\AJ	Ok,M
26	Q2240-09	PD088877.D	10 Jun 2025 17:19	AR\AJ	Ok,M
27	I.BLK	PD088878.D	10 Jun 2025 17:33	AR\AJ	Ok
28	PEM	PD088879.D	10 Jun 2025 17:46	AR\AJ	Ok,M
29	PSTDCCC050	PD088880.D	10 Jun 2025 18:00	AR\AJ	Ok
30	Q2246-01	PD088881.D	10 Jun 2025 18:28	AR\AJ	Ok
31	Q2260-01	PD088882.D	10 Jun 2025 18:41	AR\AJ	Ok
32	Q2265-01	PD088883.D	10 Jun 2025 18:55	AR\AJ	Ok
33	Q2266-01	PD088884.D	10 Jun 2025 19:09	AR\AJ	Ok
34	Q2266-01MS	PD088885.D	10 Jun 2025 19:22	AR\AJ	Ok
35	Q2266-01MSD	PD088886.D	10 Jun 2025 19:36	AR\AJ	Ok
36	Q2266-05	PD088887.D	10 Jun 2025 19:49	AR\AJ	Ok
37	PB168372BL	PD088888.D	10 Jun 2025 20:03	AR\AJ	Ok
38	PB168372BS	PD088889.D	10 Jun 2025 20:17	AR\AJ	Ok
39	I.BLK	PD088890.D	10 Jun 2025 20:30	AR\AJ	Ok
40	PSTDCCC050	PD088891.D	10 Jun 2025 20:44	AR\AJ	Ok
41	Q2271-01	PD088892.D	10 Jun 2025 21:12	AR\AJ	Ok
42	Q2272-01	PD088893.D	10 Jun 2025 21:25	AR\AJ	Ok
43	Q2273-01	PD088894.D	10 Jun 2025 21:39	AR\AJ	Ok
44	Q2273-01MS	PD088895.D	10 Jun 2025 21:53	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD061025

Review By	Abdul	Review On	6/11/2025 7:48:01 AM
Supervise By	mohammad	Supervise On	6/13/2025 1:37:42 AM
SubDirectory	PD061025	HP Acquire Method	HP Processing Method pd051925 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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			

45	Q2273-01MSD	PD088896.D	10 Jun 2025 22:06	AR\AJ	Ok
46	Q2274-01	PD088897.D	10 Jun 2025 22:20	AR\AJ	Ok,M
47	Q2273-05	PD088898.D	10 Jun 2025 22:34	AR\AJ	Ok
48	I.BLK	PD088899.D	10 Jun 2025 22:47	AR\AJ	Ok
49	PSTDCCC050	PD088900.D	10 Jun 2025 23:01	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD061125

Review By	Abdul	Review On	6/13/2025 8:31:09 AM
Supervise By	mohammad	Supervise On	6/19/2025 6:43:03 AM
SubDirectory	PD061125	HP Acquire Method	HP Processing Method pd051925 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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	PD088901.D	11 Jun 2025 08:06	AR\AJ	Ok
2	I.BLK	PD088902.D	11 Jun 2025 08:20	AR\AJ	Ok
3	PEM	PD088903.D	11 Jun 2025 08:34	AR\AJ	Ok,M
4	PSTDCCC050	PD088904.D	11 Jun 2025 08:47	AR\AJ	Ok,M
5	PCHLORCCC500	PD088905.D	11 Jun 2025 09:01	AR\AJ	Ok,M
6	PTOXCCC500	PD088906.D	11 Jun 2025 09:36	AR\AJ	Ok
7	PB168350BL	PD088907.D	11 Jun 2025 09:50	AR\AJ	Not Ok
8	PB168350BS	PD088908.D	11 Jun 2025 10:03	AR\AJ	Not Ok
9	PB168350BS	PD088909.D	11 Jun 2025 10:17	AR\AJ	Ok,M
10	PB168350BS	PD088910.D	11 Jun 2025 11:32	AR\AJ	Ok
11	Q2259-01	PD088911.D	11 Jun 2025 12:09	AR\AJ	Ok
12	Q2259-03	PD088912.D	11 Jun 2025 12:22	AR\AJ	Ok,M
13	I.BLK	PD088913.D	11 Jun 2025 12:44	AR\AJ	Ok
14	PSTDCCC050	PD088914.D	11 Jun 2025 12:57	AR\AJ	Ok,M
15	PCHLORCCC500	PD088915.D	11 Jun 2025 13:11	AR\AJ	Ok,M
16	PTOXCCC500	PD088916.D	11 Jun 2025 13:25	AR\AJ	Ok
17	PB168411BL	PD088917.D	11 Jun 2025 14:19	AR\AJ	Ok
18	PB168411BS	PD088918.D	11 Jun 2025 14:32	AR\AJ	Ok,M
19	Q2278-01	PD088919.D	11 Jun 2025 14:46	AR\AJ	Ok,M
20	Q2280-01	PD088920.D	11 Jun 2025 14:59	AR\AJ	Ok,M
21	Q2280-01MS	PD088921.D	11 Jun 2025 15:13	AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD061125

Review By	Abdul	Review On	6/13/2025 8:31:09 AM
Supervise By	mohammad	Supervise On	6/19/2025 6:43:03 AM
SubDirectory	PD061125	HP Acquire Method	HP Processing Method pd051925 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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	Q2280-01MSD	PD088922.D	11 Jun 2025 15:27	AR\AJ	Ok,M
23	Q2280-03	PD088923.D	11 Jun 2025 15:40	AR\AJ	Ok,M
24	Q2283-01	PD088924.D	11 Jun 2025 15:54	AR\AJ	Ok,M
25	Q2286-01	PD088925.D	11 Jun 2025 16:08	AR\AJ	Not Ok
26	I.BLK	PD088926.D	11 Jun 2025 16:21	AR\AJ	Ok
27	PSTDCCC050	PD088927.D	11 Jun 2025 17:02	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD051925

Review By	Abdul	Review On	5/20/2025 9:04:34 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:34:48 AM
SubDirectory	PD051925	HP Acquire Method	HP Processing Method pd051925 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,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#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD088582.D	19 May 2025 10:36		AR\AJ	Ok
2	I.BLK	I.BLK	PD088583.D	19 May 2025 10:50		AR\AJ	Ok
3	PEM	PEM	PD088584.D	19 May 2025 11:04		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD088585.D	19 May 2025 11:17		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD088586.D	19 May 2025 11:31		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD088587.D	19 May 2025 11:45		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD088588.D	19 May 2025 11:58		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD088589.D	19 May 2025 12:12		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD088590.D	19 May 2025 12:25		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD088591.D	19 May 2025 12:39		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD088592.D	19 May 2025 12:52		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD088593.D	19 May 2025 13:06		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD088594.D	19 May 2025 13:19		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD088595.D	19 May 2025 13:33		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PD088596.D	19 May 2025 13:47		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD088597.D	19 May 2025 14:00		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD088598.D	19 May 2025 14:14		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD088599.D	19 May 2025 14:27		AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD051925

Review By	Abdul	Review On	5/20/2025 9:04:34 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:34:48 AM
SubDirectory	PD051925	HP Acquire Method	HP Processing Method
			pd051925 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,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	PD088600.D	19 May 2025 14:41		AR\AJ	Ok
20	PSTDICV050	ICVPD051925	PD088601.D	19 May 2025 14:55		AR\AJ	Ok
21	PCHLORICV500	ICVPD051925CHLOR	PD088602.D	19 May 2025 15:08		AR\AJ	Ok,M
22	PTOXICV500	ICVPD051925TOX	PD088603.D	19 May 2025 15:22		AR\AJ	Ok
23	I.BLK	I.BLK	PD088604.D	19 May 2025 15:35		AR\AJ	Ok
24	PEM	PEM	PD088605.D	19 May 2025 15:49		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PD088606.D	19 May 2025 16:02		AR\AJ	Ok
26	PTOXCCC500	PTOXCCC500	PD088607.D	19 May 2025 16:16		AR\AJ	Ok
27	PB167959BS	PB167959BS	PD088608.D	19 May 2025 16:32	TOX BS	AR\AJ	Ok
28	Q1984-09RE	OU4-TS-25-050725RE	PD088609.D	19 May 2025 16:50	DCB Low in both column	AR\AJ	Confirms
29	Q1984-11RE	OU4-TS-26-050725RE	PD088610.D	19 May 2025 17:04	DCB Low in both column	AR\AJ	Confirms
30	Q1984-13RE	OU4-TS-27-050725RE	PD088611.D	19 May 2025 17:18	DCB Low in both column	AR\AJ	Confirms
31	Q1984-15RE	OU4-TS-28-050725RE	PD088612.D	19 May 2025 17:31	DCB Low in both column	AR\AJ	Confirms
32	I.BLK	I.BLK	PD088613.D	19 May 2025 17:45		AR\AJ	Ok,M
33	PSTDCCC050	PSTDCCC050	PD088614.D	19 May 2025 18:45		AR\AJ	Ok,M
34	PTOXCCC500	PTOXCCC500	PD088615.D	19 May 2025 19:32		AR\AJ	Ok
35	PB168066BL	PB168066BL	PD088616.D	19 May 2025 20:26		AR\AJ	Ok
36	PB168066BS	PB168066BS	PD088617.D	19 May 2025 20:40	Recovery fail for comp # 17 & 20	AR\AJ	Not Ok
37	PB167994TB	PB167994TB	PD088618.D	19 May 2025 20:54		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD051925

Review By	Abdul	Review On	5/20/2025 9:04:34 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:34:48 AM
SubDirectory	PD051925	HP Acquire Method	HP Processing Method
			pd051925 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,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			

38	Q2014-05	MOO-25-0148	PD088619.D	19 May 2025 21:08	TCMX having F flag in both column, already run	AR\AJ	Not Ok
39	Q2027-03	B27-SOIL-SAMPLE	PD088620.D	19 May 2025 21:21		AR\AJ	Ok,M
40	Q2027-03MS	B27-SOIL-SAMPLEMS	PD088621.D	19 May 2025 21:35		AR\AJ	Ok,M
41	Q2027-03MSD	B27-SOIL-SAMPLEMS	PD088622.D	19 May 2025 21:49		AR\AJ	Ok,M
42	Q2027-04	B28-SOIL-SAMPLE	PD088623.D	19 May 2025 22:02		AR\AJ	Ok
43	Q2032-09	COMP-1	PD088624.D	19 May 2025 22:16		AR\AJ	Ok
44	I.BLK	I.BLK	PD088625.D	19 May 2025 22:30		AR\AJ	Ok
45	PSTDCCC050	PSTDCCC050	PD088626.D	19 May 2025 22:43		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD061025

Review By	Abdul	Review On	6/11/2025 7:48:01 AM
Supervise By	mohammad	Supervise On	6/13/2025 1:37:42 AM
SubDirectory	PD061025	HP Acquire Method	HP Processing Method pd051925 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,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#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD088852.D	10 Jun 2025 08:53		AR\AJ	Ok
2	I.BLK	I.BLK	PD088853.D	10 Jun 2025 09:06		AR\AJ	Ok
3	PEM	PEM	PD088854.D	10 Jun 2025 09:20		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD088855.D	10 Jun 2025 10:38		AR\AJ	Ok
5	PB168350BL	PB168350BL	PD088856.D	10 Jun 2025 12:14		AR\AJ	Ok
6	PB168350BS	PB168350BS	PD088857.D	10 Jun 2025 12:28		AR\AJ	Ok
7	Q2248-01	TR-05-060525	PD088858.D	10 Jun 2025 12:44		AR\AJ	Ok,M
8	Q2235-03	WC-A2-08-C	PD088859.D	10 Jun 2025 13:10		AR\AJ	Ok
9	Q2236-03	WC-A4-05A-C	PD088860.D	10 Jun 2025 13:27		AR\AJ	Ok
10	Q2236-07	WC-A2-04-C	PD088861.D	10 Jun 2025 13:41		AR\AJ	Ok
11	Q2236-11	WC-A2-05-C	PD088862.D	10 Jun 2025 13:54		AR\AJ	Ok
12	Q2236-15	WC-A2-06-C	PD088863.D	10 Jun 2025 14:08		AR\AJ	Ok
13	Q2236-19	WC-A2-07-C	PD088864.D	10 Jun 2025 14:22		AR\AJ	Ok
14	I.BLK	I.BLK	PD088865.D	10 Jun 2025 14:35		AR\AJ	Ok
15	PSTDCCC050	PSTDCCC050	PD088866.D	10 Jun 2025 14:49		AR\AJ	Ok,M
16	Q2226-01	TP06-MHI-WC	PD088867.D	10 Jun 2025 15:03		AR\AJ	Ok,M
17	Q2241-01	TP-N	PD088868.D	10 Jun 2025 15:16		AR\AJ	Ok,M
18	Q2241-05	TP-S	PD088869.D	10 Jun 2025 15:30		AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD061025

Review By	Abdul	Review On	6/11/2025 7:48:01 AM
Supervise By	mohammad	Supervise On	6/13/2025 1:37:42 AM
SubDirectory	PD061025	HP Acquire Method	HP Processing Method
			pd051925 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,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	PB168320BL	PB168320BL	PD088870.D	10 Jun 2025 15:44		AR\AJ	Ok
20	PB168320BS	PB168320BS	PD088871.D	10 Jun 2025 15:57		AR\AJ	Ok
21	Q2242-01	TP09-MHJ	PD088872.D	10 Jun 2025 16:11		AR\AJ	Ok
22	Q2244-01	TP03-MHC	PD088873.D	10 Jun 2025 16:25	need dilution ,	AR\AJ	Dilution
23	Q2244-01DL	TP03-MHCDL	PD088874.D	10 Jun 2025 16:38		AR\AJ	Ok,M
24	Q2240-01	TP-3	PD088875.D	10 Jun 2025 16:52		AR\AJ	Ok,M
25	Q2240-05	TP-2	PD088876.D	10 Jun 2025 17:05		AR\AJ	Ok,M
26	Q2240-09	TP-1	PD088877.D	10 Jun 2025 17:19		AR\AJ	Ok,M
27	I.BLK	I.BLK	PD088878.D	10 Jun 2025 17:33		AR\AJ	Ok
28	PEM	PEM	PD088879.D	10 Jun 2025 17:46		AR\AJ	Ok,M
29	PSTDCCC050	PSTDCCC050	PD088880.D	10 Jun 2025 18:00		AR\AJ	Ok
30	Q2246-01	BU-03-060525	PD088881.D	10 Jun 2025 18:28		AR\AJ	Ok
31	Q2260-01	TP10-MHG-WC	PD088882.D	10 Jun 2025 18:41		AR\AJ	Ok
32	Q2265-01	TP11-MHL-WC	PD088883.D	10 Jun 2025 18:55		AR\AJ	Ok
33	Q2266-01	WC-3	PD088884.D	10 Jun 2025 19:09		AR\AJ	Ok
34	Q2266-01MS	WC-3MS	PD088885.D	10 Jun 2025 19:22		AR\AJ	Ok
35	Q2266-01MSD	WC-3MSD	PD088886.D	10 Jun 2025 19:36		AR\AJ	Ok
36	Q2266-05	WC-5	PD088887.D	10 Jun 2025 19:49		AR\AJ	Ok
37	PB168372BL	PB168372BL	PD088888.D	10 Jun 2025 20:03		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD061025

Review By	Abdul	Review On	6/11/2025 7:48:01 AM
Supervise By	mohammad	Supervise On	6/13/2025 1:37:42 AM
SubDirectory	PD061025	HP Acquire Method	HP Processing Method
			pd051925 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,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			

38	PB168372BS	PB168372BS	PD088889.D	10 Jun 2025 20:17		AR\AJ	Ok
39	I.BLK	I.BLK	PD088890.D	10 Jun 2025 20:30		AR\AJ	Ok
40	PSTDCCC050	PSTDCCC050	PD088891.D	10 Jun 2025 20:44		AR\AJ	Ok
41	Q2271-01	TP12-MHK-WC	PD088892.D	10 Jun 2025 21:12		AR\AJ	Ok
42	Q2272-01	TP-6	PD088893.D	10 Jun 2025 21:25		AR\AJ	Ok
43	Q2273-01	WC-4	PD088894.D	10 Jun 2025 21:39		AR\AJ	Ok
44	Q2273-01MS	WC-4MS	PD088895.D	10 Jun 2025 21:53		AR\AJ	Ok
45	Q2273-01MSD	WC-4MSD	PD088896.D	10 Jun 2025 22:06		AR\AJ	Ok
46	Q2274-01	TP-13-MHP-WC	PD088897.D	10 Jun 2025 22:20		AR\AJ	Ok,M
47	Q2273-05	WC-6	PD088898.D	10 Jun 2025 22:34		AR\AJ	Ok
48	I.BLK	I.BLK	PD088899.D	10 Jun 2025 22:47		AR\AJ	Ok
49	PSTDCCC050	PSTDCCC050	PD088900.D	10 Jun 2025 23:01		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD061125

Review By	Abdul	Review On	6/13/2025 8:31:09 AM
Supervise By	mohammad	Supervise On	6/19/2025 6:43:03 AM
SubDirectory	PD061125	HP Acquire Method	HP Processing Method pd051925 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,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	PD088901.D	11 Jun 2025 08:06		AR\AJ	Ok
2	I.BLK	I.BLK	PD088902.D	11 Jun 2025 08:20		AR\AJ	Ok
3	PEM	PEM	PD088903.D	11 Jun 2025 08:34		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD088904.D	11 Jun 2025 08:47		AR\AJ	Ok,M
5	PCHLORCCC500	PCHLORCCC500	PD088905.D	11 Jun 2025 09:01		AR\AJ	Ok,M
6	PTOXCCC500	PTOXCCC500	PD088906.D	11 Jun 2025 09:36		AR\AJ	Ok
7	PB168350BL	PB168350BL	PD088907.D	11 Jun 2025 09:50		AR\AJ	Not Ok
8	PB168350BS	PB168350BS	PD088908.D	11 Jun 2025 10:03	F Flag in 1st column	AR\AJ	Not Ok
9	PB168350BS	PB168350BS	PD088909.D	11 Jun 2025 10:17		AR\AJ	Ok,M
10	PB168350BS	PB168350BS	PD088910.D	11 Jun 2025 11:32		AR\AJ	Ok
11	Q2259-01	OU4-PCS-TC-36-06052	PD088911.D	11 Jun 2025 12:09		AR\AJ	Ok
12	Q2259-03	OU4-PCS-TC-37-06052	PD088912.D	11 Jun 2025 12:22		AR\AJ	Ok,M
13	I.BLK	I.BLK	PD088913.D	11 Jun 2025 12:44		AR\AJ	Ok
14	PSTDCCC050	PSTDCCC050	PD088914.D	11 Jun 2025 12:57		AR\AJ	Ok,M
15	PCHLORCCC500	PCHLORCCC500	PD088915.D	11 Jun 2025 13:11		AR\AJ	Ok,M
16	PTOXCCC500	PTOXCCC500	PD088916.D	11 Jun 2025 13:25		AR\AJ	Ok
17	PB168411BL	PB168411BL	PD088917.D	11 Jun 2025 14:19		AR\AJ	Ok
18	PB168411BS	PB168411BS	PD088918.D	11 Jun 2025 14:32		AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD061125

Review By	Abdul	Review On	6/13/2025 8:31:09 AM
Supervise By	mohammad	Supervise On	6/19/2025 6:43:03 AM
SubDirectory	PD061125	HP Acquire Method	HP Processing Method pd051925 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,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	Q2278-01	TP-2	PD088919.D	11 Jun 2025 14:46		AR\AJ	Ok,M
20	Q2280-01	VNJ-210	PD088920.D	11 Jun 2025 14:59		AR\AJ	Ok,M
21	Q2280-01MS	VNJ-210MS	PD088921.D	11 Jun 2025 15:13		AR\AJ	Ok,M
22	Q2280-01MSD	VNJ-210MSD	PD088922.D	11 Jun 2025 15:27	RPD Fail	AR\AJ	Ok,M
23	Q2280-03	RT-4643	PD088923.D	11 Jun 2025 15:40		AR\AJ	Ok,M
24	Q2283-01	MOO-25-0166-MOO-25	PD088924.D	11 Jun 2025 15:54		AR\AJ	Ok,M
25	Q2286-01	LAW-25-0082-LAW-250	PD088925.D	11 Jun 2025 16:08	F Flag in TCMX	AR\AJ	Not Ok
26	I.BLK	I.BLK	PD088926.D	11 Jun 2025 16:21		AR\AJ	Ok
27	PSTDCCC050	PSTDCCC050	PD088927.D	11 Jun 2025 17:02		AR\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/9/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:25
In Date: 06/06/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 06/07/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB136040

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
Q2246-01	BU-03-060525	1	1.15	10.12	11.27	11.17	99.0	
Q2246-02	BU-03-060525	2	1.19	10.04	11.23	11.1	98.7	
Q2247-01	GAS-PIPE-1	3	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2247-02	GAS-PIPE-2	4	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2248-01	TR-05-060525	5	1.18	10.36	11.54	10.88	93.6	
Q2248-02	TR-05-060525-E2	6	1.13	10.59	11.72	10.74	90.7	
Q2251-07	BP-VPB-182-GW-780-782	7	1.12	10.70	11.82	2.46	12.5	sludge sample
Q2258-05	SVOC-GPC-BLANK	8	1.00	1.00	2.00	2.00	100.0	
Q2258-06	PEST-GPC-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q2258-07	PEST-GPC-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	
Q2258-08	PCB-GPC-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q2258-09	PCB-GPC-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
Q2258-10	SVOC-GPC2-BLANK	13	1.00	1.00	2.00	2.00	100.0	
Q2258-11	PEST-GPC2-BLANK	14	1.00	1.00	2.00	2.00	100.0	
Q2258-12	PEST-GPC2-BLANK-SPIKE	15	1.00	1.00	2.00	2.00	100.0	
Q2258-13	PCB-GPC2-BLANK	16	1.00	1.00	2.00	2.00	100.0	
Q2258-14	PCB-GCP2-BLANK-SPIKE	17	1.00	1.00	2.00	2.00	100.0	
Q2259-01	OU4-PCS-TC-36-060525	18	1.14	10.79	11.93	11.31	94.3	
Q2259-03	OU4-PCS-TC-37-060525	19	1.14	10.14	11.28	10.7	94.3	
Q2259-05	OU4-TS-29-060525	20	1.18	10.17	11.35	8.87	75.6	
Q2259-06	OU4-TS-30-060525	21	1.14	10.73	11.87	9.62	79.0	
Q2260-01	TP10-MHG-WC	22	1.13	10.84	11.97	10.95	90.6	
Q2260-02	TP10-MHG-VOC	23	1.16	10.66	11.82	10.84	90.8	
Q2260-03	TP10-MHG-EPH	24	1.13	10.75	11.88	10.68	88.8	
Q2262-01	ARS20-0032	25	1.14	11.40	12.54	12.22	97.2	
Q2262-03	ARS20-0001	26	1.18	9.85	11.03	10.38	93.4	
Q2265-01	TP-MHL-WC	27	1.15	10.83	11.98	10.43	85.7	
Q2265-02	TP-MHL-VOC	28	1.14	10.32	11.46	9.7	82.9	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/9/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:25
In Date: 06/06/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 06/07/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB136040

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
Q2265-03	TP-MHL-EPH	29	1.18	10.48	11.66	9.77	82.0	
Q2266-01	WC-3	30	1.16	10.74	11.9	10.68	88.6	
Q2266-02	WC-3-EPH	31	1.15	11.18	12.33	10.15	80.5	
Q2266-03	WC-3-VOC	32	1.13	10.74	11.87	10.02	82.8	
Q2266-05	WC-4	33	1.19	10.47	11.66	10.36	87.6	
Q2266-06	WC-4-EPH	34	1.15	10.46	11.61	10.31	87.6	
Q2266-07	WC-4-VOC	35	1.19	10.71	11.9	10.74	89.2	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

W 136040

WorkList Name : %1-060625

WorkList ID : 189986

Department : Wet-Chemistry

Date : 06-06-2025 08:11:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2246-01	BU-03-060525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/05/2025	Chemtech -SO
Q2246-02	BU-03-060525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/05/2025	Chemtech -SO
Q2247-01	GAS-PIPE-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	06/05/2025	Chemtech -SO
Q2247-02	GAS-PIPE-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	06/05/2025	Chemtech -SO
Q2248-01	TR-05-060525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/05/2025	Chemtech -SO
Q2248-02	TR-05-060525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/05/2025	Chemtech -SO
Q2251-07	BP-VPB-182-GW-780-782	Solid	Percent Solids	Cool 4 deg C	TETR06	L31	06/04/2025	Chemtech -SO
Q2258-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2259-01	OU4-PCS-TC-36-060525	Solid	Percent Solids	Cool 4 deg C	NOBI03	D21	06/05/2025	Chemtech -SO
Q2259-03	OU4-PCS-TC-37-060525	Solid	Percent Solids	Cool 4 deg C	NOBI03	D21	06/05/2025	Chemtech -SO
Q2259-05	OU4-TS-29-060525	Solid	Percent Solids	Cool 4 deg C	NOBI03	D21	06/05/2025	Chemtech -SO
Q2259-06	OU4-TS-30-060525	Solid	Percent Solids	Cool 4 deg C	NOBI03	D21	06/05/2025	Chemtech -SO

Date/Time 06/06/25 15:20

Raw Sample Received by:

Raw Sample Relinquished by:

Q2259-Pesticide-TCL

Date/Time 06/06/25

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

WB136040

WorkList Name : %1-060625

WorkList ID : 189986

Department : Wet-Chemistry

Date : 06-06-2025 08:11:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2260-01	TP10-MHG-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	06/06/2025	Chemtech -SO
Q2260-02	TP10-MHG-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	06/06/2025	Chemtech -SO
Q2260-03	TP10-MHG-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	06/06/2025	Chemtech -SO
Q2262-01	ARS20-0032	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	06/06/2025	Chemtech -SO
Q2262-03	ARS20-0001	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	06/06/2025	Chemtech -SO
Q2265-01	TP-MHL-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2265-02	TP-MHL-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2265-03	TP-MHL-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-01	WC-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-02	WC-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-03	WC-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-05	WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-06	WC-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-07	WC-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO

Date/Time 06/06/25 15:20
 Raw Sample Received by: [Signature] WC
 Raw Sample Relinquished by: [Signature] SM

Q2259-Pesticide-TCL

Date/Time 06/06/25 17:30
 Raw Sample Received by: [Signature] SM
 Raw Sample Relinquished by: [Signature] WC

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Florisil

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 06/09/2025

Extraction Start Time : 09:11

Extraction End Date : 06/09/2025

Extraction End Time : 12:10

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24285
Surrogate	1.0ML	200 PPB	PP24597
Spike Sol 2	2.0ML	1000 PPB	PP24621
Spike Sol 3	2.0ML	1000 PPB	PP24622
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	EP2620
Sand	N/A	E2865
Hexane	N/A	E3938
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.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/09/25	RJ (Est. Lab)	T.P. Pest 1/163
12:15	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 06/09/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168350BL	PBLK350	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			U2-1
PB168350BS	PLCS350	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q2246-01	BU-03-060525	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
Q2248-01	TR-05-060525	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		4
Q2259-01	OU4-PCS-TC-36-060525	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		5
Q2259-03	OU4-PCS-TC-37-060525	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		6
Q2260-01	TP10-MHG-WC	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		U3-1
Q2265-01	TP-MHL-WC	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		2
Q2266-01	WC-3	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	D		3
Q2266-01MS	WC-3MS	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	D		4
Q2266-01MS D	WC-3MSD	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	D		5
Q2266-05	WC-4	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	D		6
Total PHEIVE			30.00							
CHLORDANE			30.02							
										2

* Extracts relinquished on the same date as received.

168358
9.11

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2165P

WorkList ID : 190036

Department : Extraction

Date : 06-09-2025 08:58:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2246-01	BU-03-060525	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	N51	06/05/2025	8081B
Q2248-01	TR-05-060525	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D11	06/05/2025	8081B
Q2259-01	OU4-PCS-TC-36-060525	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	D21	06/05/2025	8081B
Q2259-03	OU4-PCS-TC-37-060525	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	D21	06/05/2025	8081B
Q2260-01	TP10-MHG-WC	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	06/06/2025	8081B
Q2265-01	TP-MHL-WC	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	06/06/2025	8081B
Q2266-01	WC-3	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	06/06/2025	8081B
Q2266-05	WC-4	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D41	06/06/2025	8081B

Date/Time 06/09/25 9:05

Raw Sample Received by: RJ (Ged 104)

Raw Sample Relinquished by: [Signature]

Date/Time 06/09/25 9:30

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: RJ (Ged 104)

Prep Standard - Chemical Standard Summary

Order ID : Q2259

Test : Pesticide-TCL

Prepbatch ID : PB168350,

Sequence ID/Qc Batch ID: PD061025,pd061125,

Standard ID :

EP2613,EP2620,PP24095,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,PP24285,PP24329,PP24433,PP24597,PP24621,PP24622,

Chemical ID :

E2865,E3551,E3847,E3876,E3877,E3914,E3927,E3932,E3933,E3937,E3938,P12603,P12611,P13037,P13040,P13195,P13245,P13356,P13357,P13405,P13785,P13861,P9052,W3177,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
230	1:1ACETONE/HEXANE	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2620	05/30/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/30/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4027	Pesticide resolution Check Mixture 8081	PP24095	12/23/2024	06/16/2025	Abdul Mirza	None	None	Ankita Jodhani
12/30/2024								

FROM 1.00000ml of P13245 + 99.00000ml of E3847 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3629	20 PPM PEST stock Solution 1st source(RESTEK)	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1472	20 PPM Pest Stock Solution 2nd Source	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1273	20 PPM Mirex Stock (Primary Source)	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3663	20 PPM MIREX Stock STD (Secondary source)	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
80	100/100 PPB Pesticide Working Solution 2nd Source	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3632	50 PPB ICAL PEST STD(RESTEK)	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3634	5 PPB ICAL PEST STD(RESTEK)	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
528	CHLOR 750 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
530	CHLOR 250 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
532	CHLOR 500 PPB ICV STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
534	TOX 500 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2217	TOX 100 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
79	500 PPB Pesticide Spike Solution	PP24285	03/12/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 95.00000ml of E3876 + 2.50000ml of PP24257 + 2.50000ml of PP24259 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	PP24597	05/20/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel
								05/22/2025

FROM 1.00000ml of P13357 + 999.00000ml of E3932 = Final Quantity: 1000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1501	1000 ppb CHLORDANE SPIKE (RESTEK)	PP24622	06/04/2025	09/09/2025	Abdul Mirza	None	None	Yogesh Patel
FROM 0.10000ml of P12611 + 99.90000ml of E3937 = Final Quantity: 100.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

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)	24G1962003	06/16/2025	12/16/2024 / Rajesh	12/13/2024 / Rajesh	E3847

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	08/25/2025	02/25/2025 /	02/12/2025 / Rajesh	E3876

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

CHEMICAL RECEIPT LOG BOOK

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

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)	25C0362005	04/30/2026	06/05/2025 / RUPESH	05/14/2025 / RUPESH	E3938

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0193299	09/09/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12611

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13037

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13040

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	042022	09/10/2025	03/10/2025 / Abdul	01/17/2024 / Abdul	P13195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	06/23/2025	12/23/2024 / Abdul	02/09/2024 / Abdul	P13245

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	11/20/2025	05/20/2025 / Abdul	04/22/2024 / Abdul	P13357

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	09/09/2025	03/10/2025 / Abdul	05/15/2024 / Abdul	P13405

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	09/10/2025	03/10/2025 / Abdul	11/19/2024 / Ankita	P13785

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0210240	09/10/2025	03/10/2025 / Abdul	12/09/2024 / Abdul	P13861

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	112018	09/10/2025	03/10/2025 / Abdul	11/01/2019 / Stephen	P9052

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

Sand
Purified
Washed and Ignited



Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

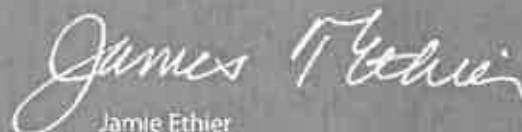
Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	$\leq 0.16\%$	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700



**PRODUCTOS
QUÍMICOS
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 ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO 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 foreign 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.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

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 ₂ SO 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

Recd. by RP on 12/13/24

E3847

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Production

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

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 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.

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Cleanert Florisil

1g/6ml 30/pkg

LOT#: Z0830QB1

MFG#: G01256

CAT# FS0006



Made in China

Agela Technologies

固相萃取产品

E3927



Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

RS

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

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

 **avantors**TM



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E3933



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™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E3937

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantors**



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E3938



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



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** 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

P12616
↓
P12615
Five
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	—%	1,010.0 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:

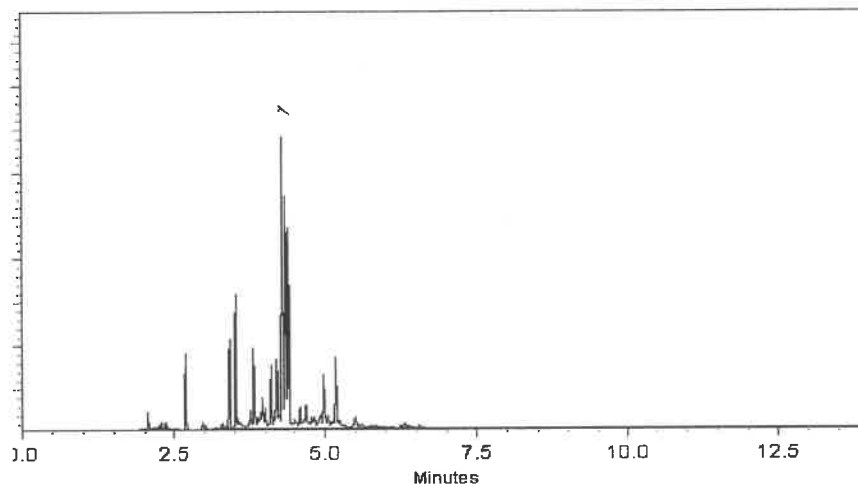
ECD

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
Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023

Balance Serial # B442140311

Jennifer Pollino
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

CRm
P12611
↓
P12615 } (5) *Fin*

CRout
7/3/2023



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291

Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : June 30, 2027

Storage: 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13039
 ↓
 P13043
 1
 5
 12/26/23

Quality Confirmation Test

Column:
 30m x .25mm x .2µm
 Rtx-CLP II (cat.# 11323)

Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

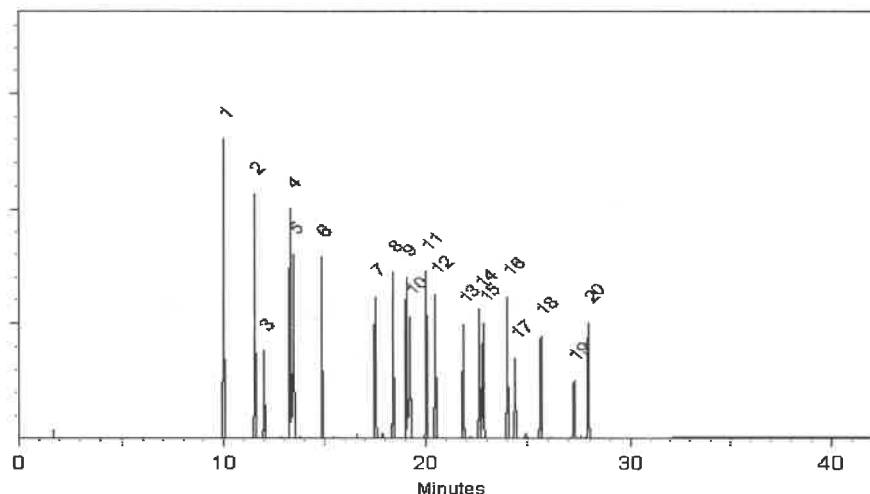
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023 **Balance Serial #** 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397



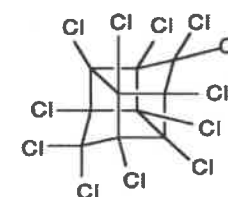
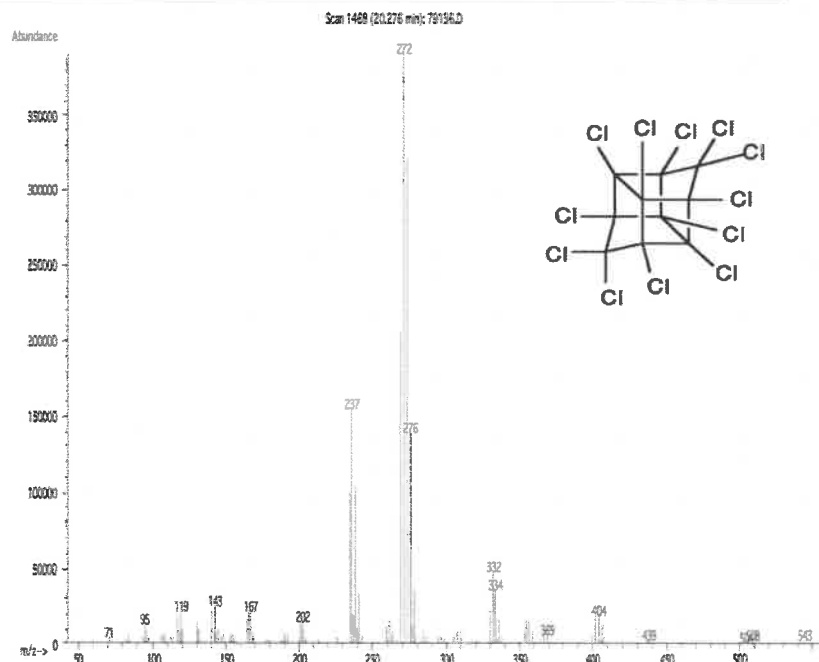
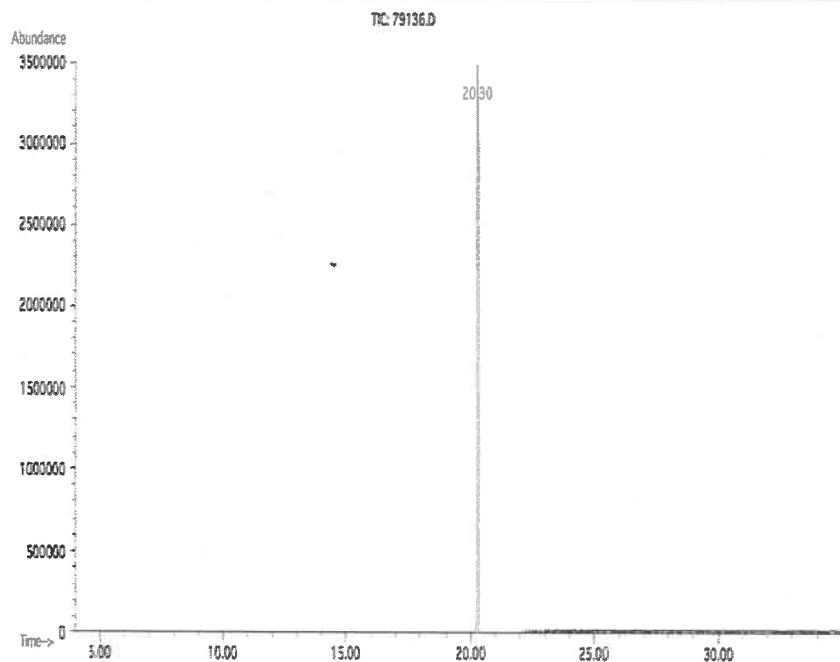
CERTIFIED WEIGHT REPORT

Part Number: **79136**
Lot Number: **042022**
Description: **Mirex**Solvent(s):
Acetone Lot#
81025Expiration Date: **042027**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **6UTB**5E-05 Balance Uncertainty
0.006 Flask UncertaintyWeight(s) shown below were combined and diluted to (mL): **50.0**

<i>Prashant Chauhan</i>		042022
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		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	ori-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B = 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



- 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).

P13195
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P13199
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(5)
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W. H. H. H.
01/17/2024

01/17/2024
HARRIS
D
3/3/19
5/5/19
5



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Fax: 1-814-353-1309

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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.

Catalog No. : 32021 **Lot No.:** A0197993
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2029 **Storage:** 10°C or colder
Ship: Ambient

P 12603
↓
P 12605
[3]
Kauf
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

Solvent: Hexane
CAS # 110-54-3
Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

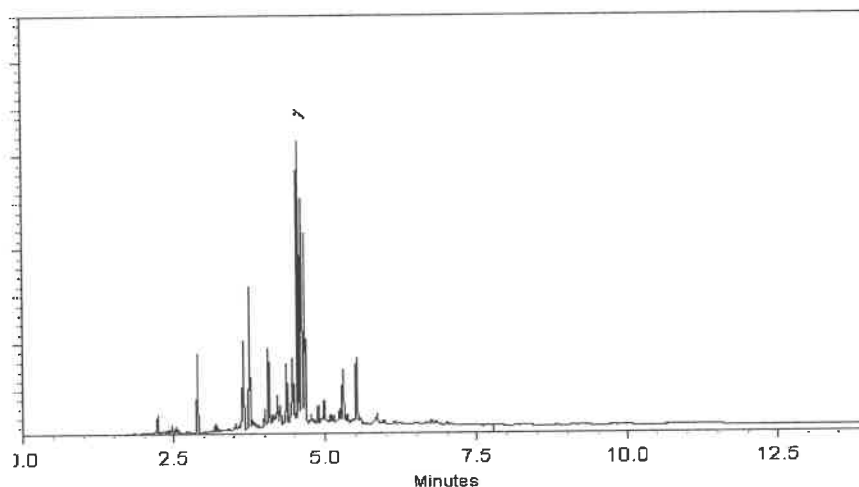
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

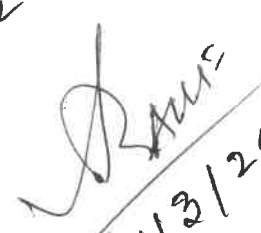
Date Mixed: 11-May-2023

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 12603 } (3)
↓
P 12605

7/3/2023



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1
Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
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P 13038
✓
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

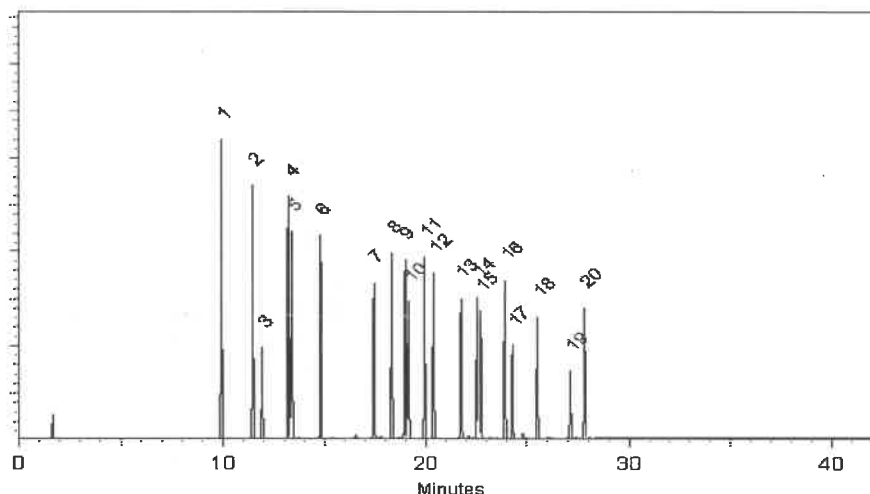
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **19161**
 Lot Number: **013124**
 Description: **CLP Pesticides & PCB's Resolution Check Standard**
 9 components
 Expiration Date: **013129**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **Varied**
 NIST Test ID#: **6UTB**
 Volume(s) shown below were combined and diluted to (mL): **100.0**

Solvent(s):
 Hexane 273615 (50%)
 Toluene 28508 (50%)

		013124
Formulated By:	Lawrence Barry	DATE
		013124
Reviewed By:	Pedro L. Rentas	DATE

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.)		
									CAS#	OSHA PEL (TWA)	LD50
1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	ori-rat 500mg/kg
2. Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	ori-rat 18mg/kg
3. 4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	ori-rat 880mg/kg
4. Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	ori-rat 38300ug/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	ori-rat 18mg/kg
6. Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7. 4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	ori-rat 6000mg/kg
8. 2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9. Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 • Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 • Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 • All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 • Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

P13243 } (5)
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 P13247 }
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 02/9/2024



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** 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

P13348
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P13357
10
DAUF
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:

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:

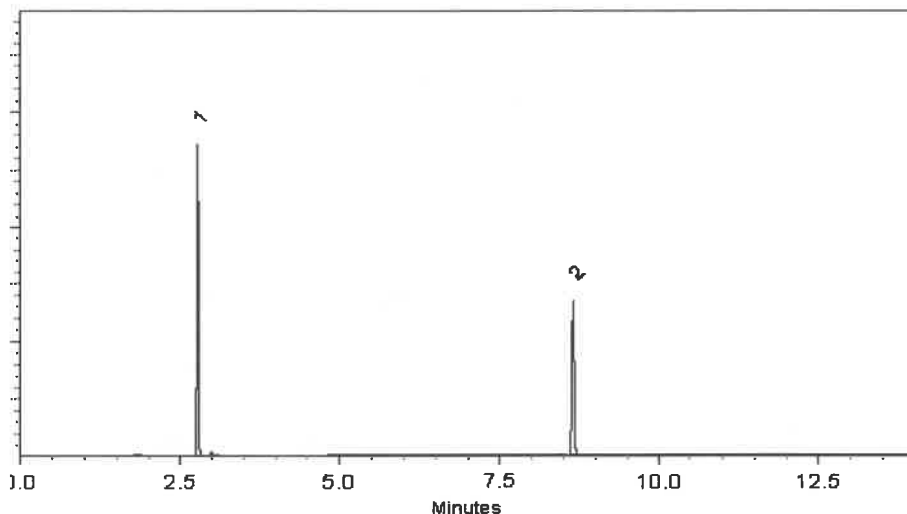
ECD

Split Vent:

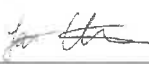
10 ml/min.

Inj. Vol

1µl

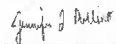


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

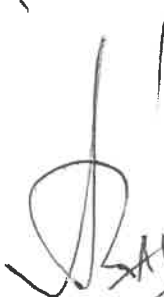
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
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Certificate #FM 80397

P 13348
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P 13357
10


SAUF
04/25/2025



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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.

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

P13348
↓
P13357
10
DAUF
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:

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:

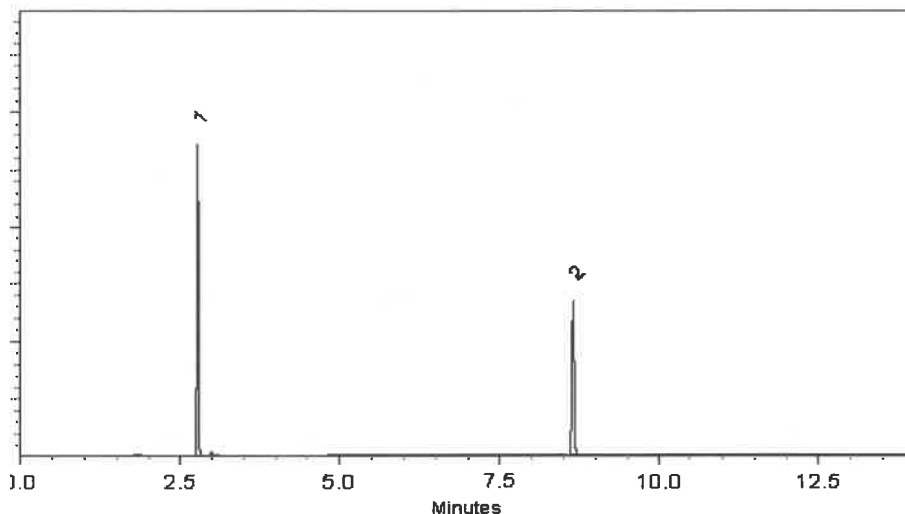
ECD

Split Vent:

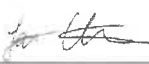
10 ml/min.

Inj. Vol

1µl

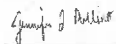


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

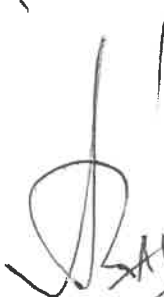
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
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Certificate #FM 80397

P 13348
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P 13357
10


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04/25/2025



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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.

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

P13402
P13406
5/22/2021

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	---%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

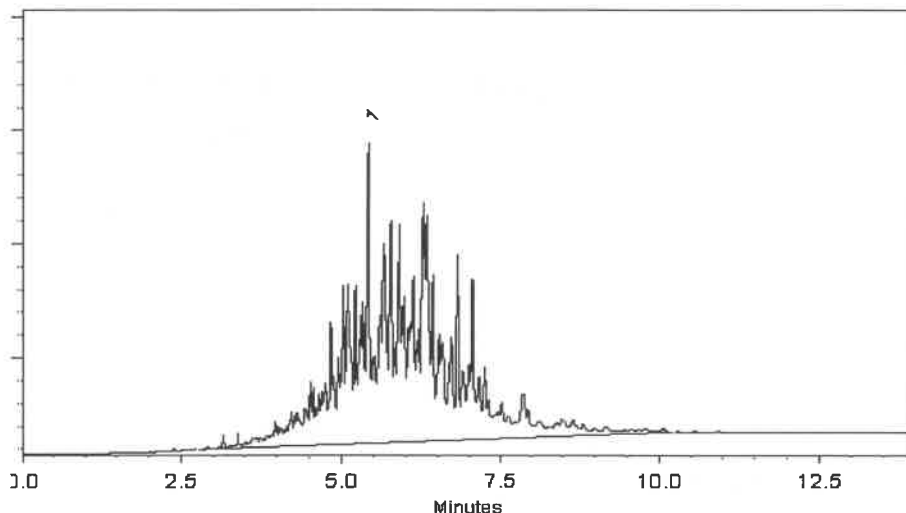
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

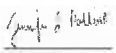


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13402
↓
P13406 } (5)


5/22/2024



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

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:

heliu-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

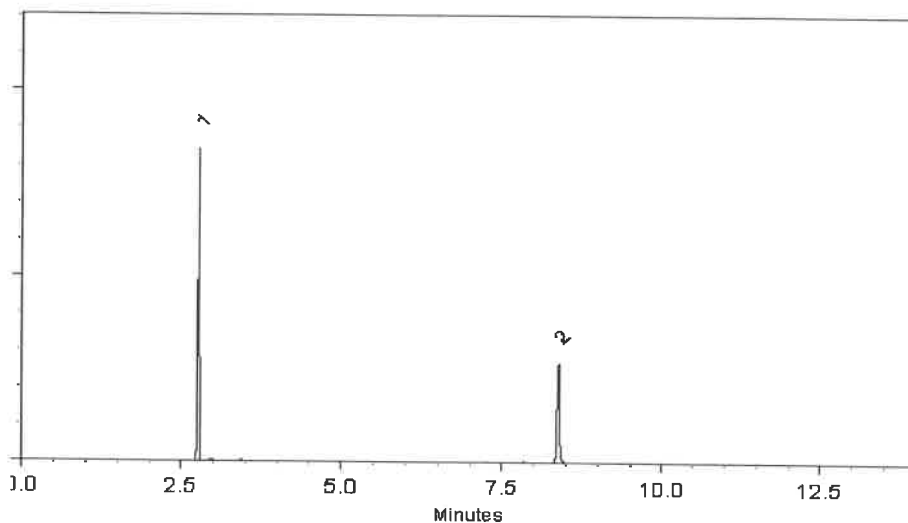
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0210240

Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13861
P13862
12/9/2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

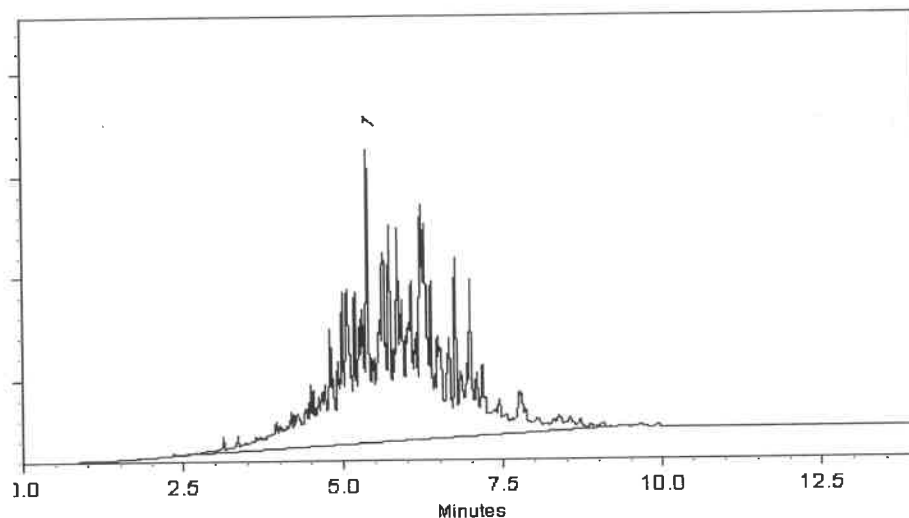
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

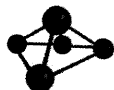
Balance Serial # B442140311


Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13861 } ②
P13862 }
✓
12/9/2024



CERTIFIED WEIGHT REPORT

Part Number: **72072**
Lot Number: **112018**
Description: **n-Tetracosane-d50**

Expiration Date: **112028**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **2684186**

Weight(s) shown below were combined and diluted to (mL): **200.0**

Solvent(s): **Methylene chloride** Lot# **102669**

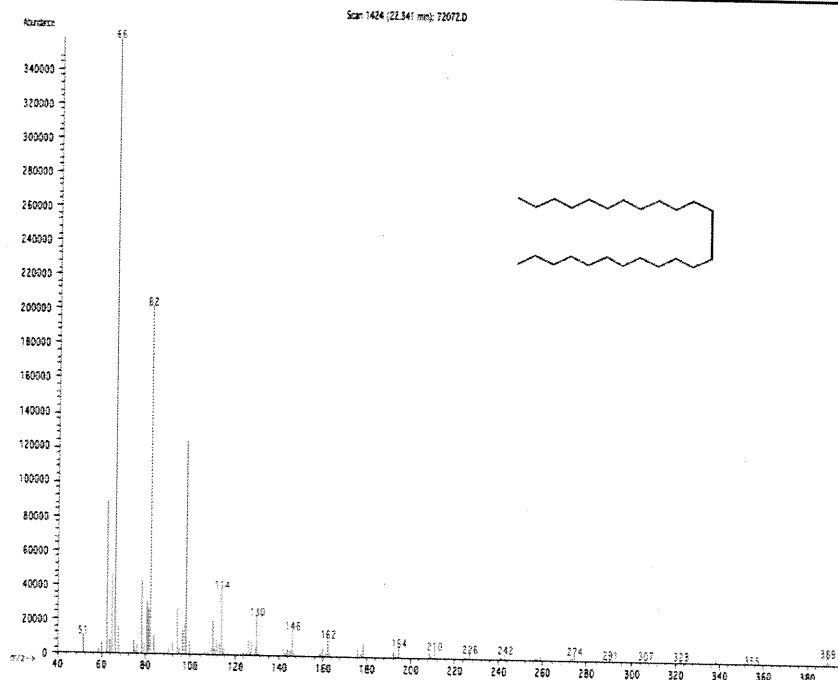
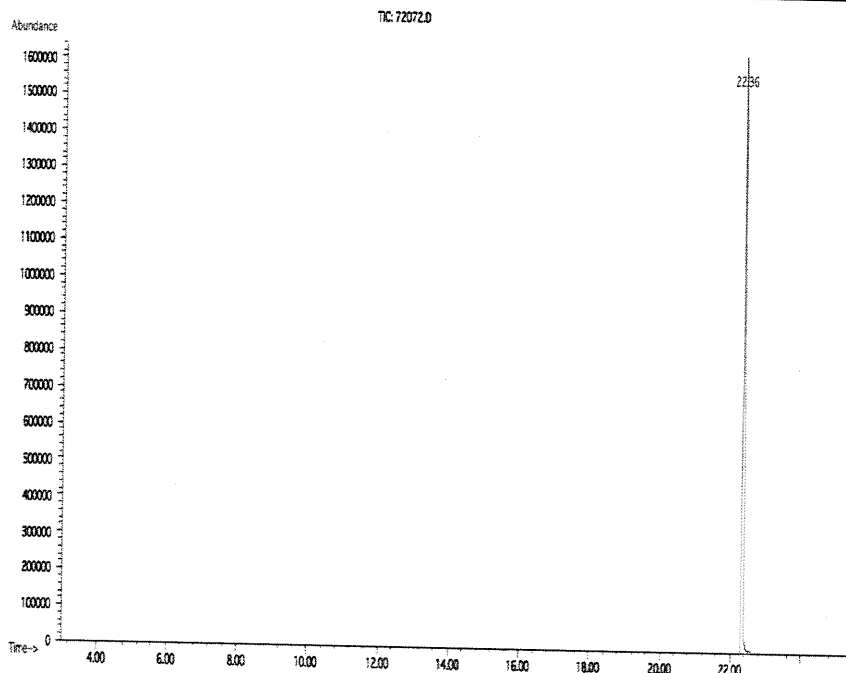
Received by SG on 11/1/19 p9044 - p9053

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

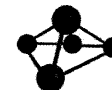
<i>Prashant Chauhan</i>		112018
Formulated By:	Prashant Chauhan	DATE
<i>Pedro Rentas</i>		112018
Reviewed By:	Pedro Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	16416-32-3	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.
Created: Thu, Nov 22, 2018 at 7:23:18 AM.
Sampled: Sequence "112018-GC4M1", Method "GC4-M1".
Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier

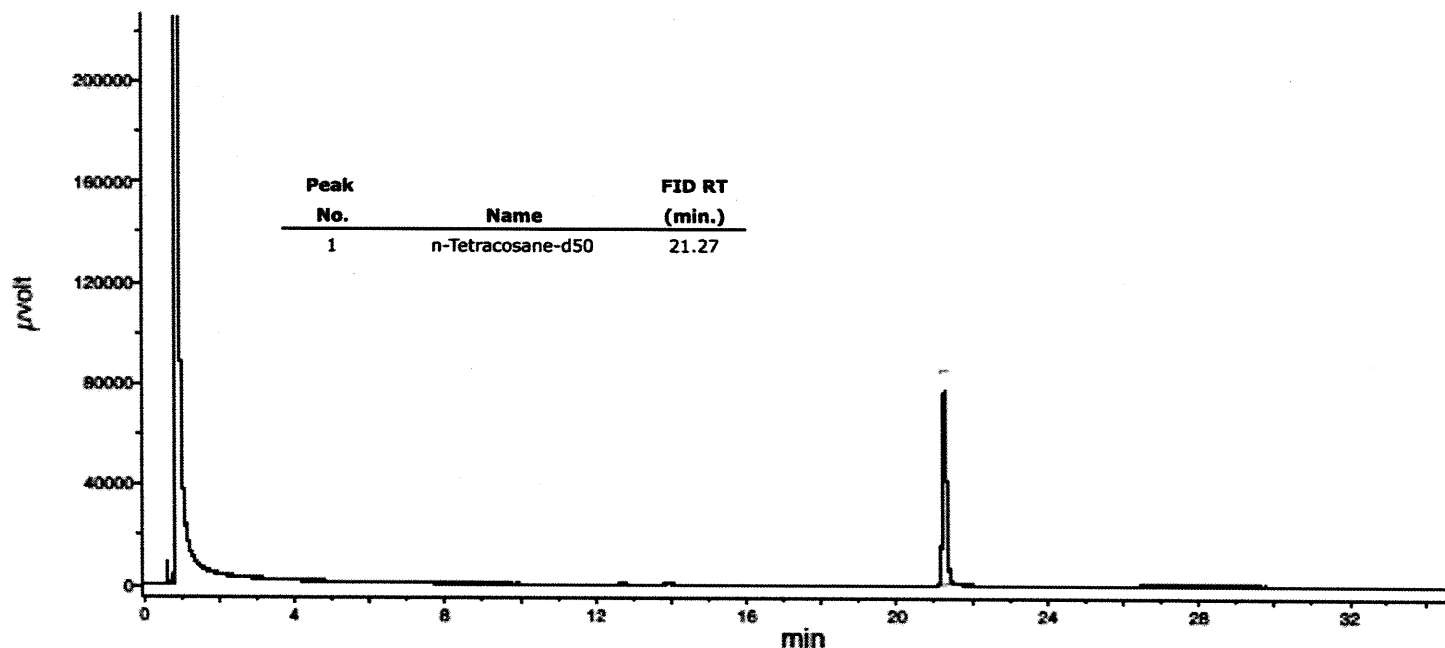
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL,
Air (detector) = 360 mL

Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.

Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDag Channel 1.

Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 3



n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

W3147
W3147
02/03/2023
JP

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 ₂ SO 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

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Products



SHIPPING DOCUMENTS

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O = Other (please define)

476 of 620

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2259	NOBI03	Order Date : 6/6/2025 10:57:00 AM	Project Mgr :
Client Name : Nobis Group		Project Name : Raymark Superfund Site	Report Type : Level 4
Client Contact : Adam Roy		Receive DateTime : 6/6/2025 10:04:00 AM	EDD Type : EQUIS
Invoice Name : Nobis Group		Purchase Order :	Hard Copy Date :
Invoice Contact : Adam Roy			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2259-01	OU4-PCS-TC-36-060525	Solid	06/05/2025	11:25					
					VOCMS Group3		8260D	10 Bus. Days	
Q2259-03	OU4-PCS-TC-37-060525	Solid	06/05/2025	11:35					
					VOCMS Group3		8260D	10 Bus. Days	

Relinquished By :

Date / Time :

Received By :

Date / Time :

Storage Area : VOA Refridgerator Room

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
 Data File : PD088584.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 11:04
 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: May 19 14:00:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 13:57:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	43185677	307.7E6	19.959	20.343
28)	SA Decachlor...	9.076	8.076	73616024	382.7E6	21.510	20.961
Target Compounds							
2)	A alpha-BHC	3.999	3.394	43541198	252.7E6	9.116	10.572
3)	MA gamma-BHC...	4.331	3.731	43519433	236.4E6	9.455	10.667
4)	MA Heptachlor	4.938	4.082	588889	1692805	0.132	0.075 #
5)	MB Aldrin	5.255f	4.359	479963	5836904	0.109	0.266 #
6)	B beta-BHC	4.516	4.027	18494243	107.0E6	10.257	10.988
7)	B delta-BHC	4.779	4.265	1664302	1224493	0.394	0.055 #
8)	B Heptachlo...	5.683	4.884	3695083	479355	0.931	0.024 #
9)	A Endosulfan I	6.101f	0.000	160493	0	0.043	N.D. #
10)	B gamma-Chl...	5.947	5.129	627612	9522313	0.157	0.446 #
11)	B alpha-Chl...	6.033	5.190	889163	23598968	0.222	1.144 #
12)	B 4,4'-DDE	6.204	5.382	249997	1412926	0.070	0.068
13)	MA Dieldrin	0.000	5.518	0	346306	N.D.	0.016 #
14)	MA Endrin	6.576	5.792	173.7E6	934.8E6	50.857	48.473
15)	B Endosulfa...	6.774	6.088	1106128	1689577	0.321	0.092 #
16)	A 4,4'-DDD	6.707	5.937	1526198	6417679	0.548	0.369 #
17)	MA 4,4'-DDT	7.023	6.186	316.0E6	1724.8E6	101.208	95.099
18)	B Endrin al...	6.921	6.260	653659	9017476	0.254	0.647 #
19)	B Endosulfa...	0.000	6.500	0	304472	N.D.	0.017 #
20)	A Methoxychlor	7.495	6.757	392.1E6	1873.1E6	234.711	195.632
21)	B Endrin ke...	7.633	6.993	609123	8681203	0.178	0.449 #
22)	Mirex	0.000	7.181	0	4568201	N.D.	0.300 #
23)	Chlordane-1	0.000	3.901	0	1325854	N.D.	1.605 #
24)	Chlordane-2	5.255	4.489	479963	31313096	2.616	37.101 #
25)	Chlordane-3	5.947	5.129	627612	9522313	0.848	3.611 #
26)	Chlordane-4	6.033	5.190	889163	23598968	0.992	10.666 #
27)	Chlordane-5	6.870	6.088	294477	1689577	1.936	1.688

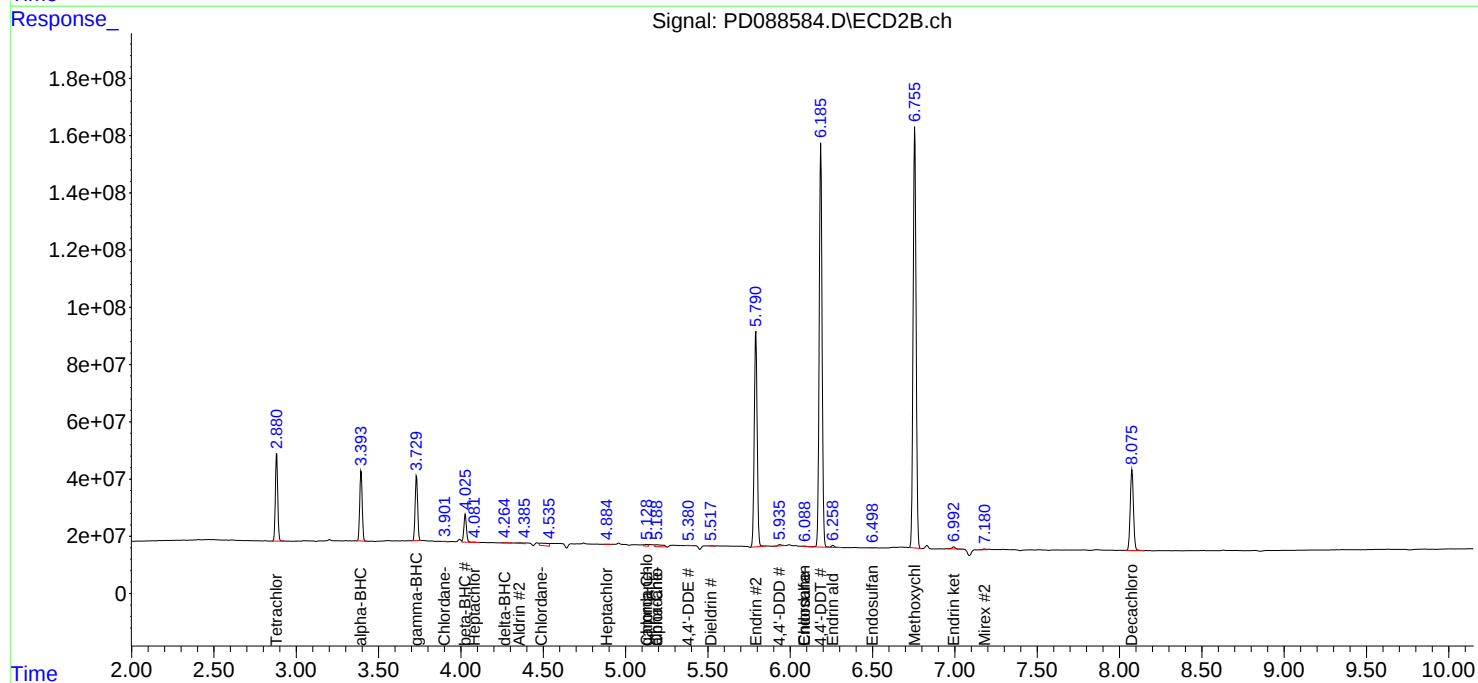
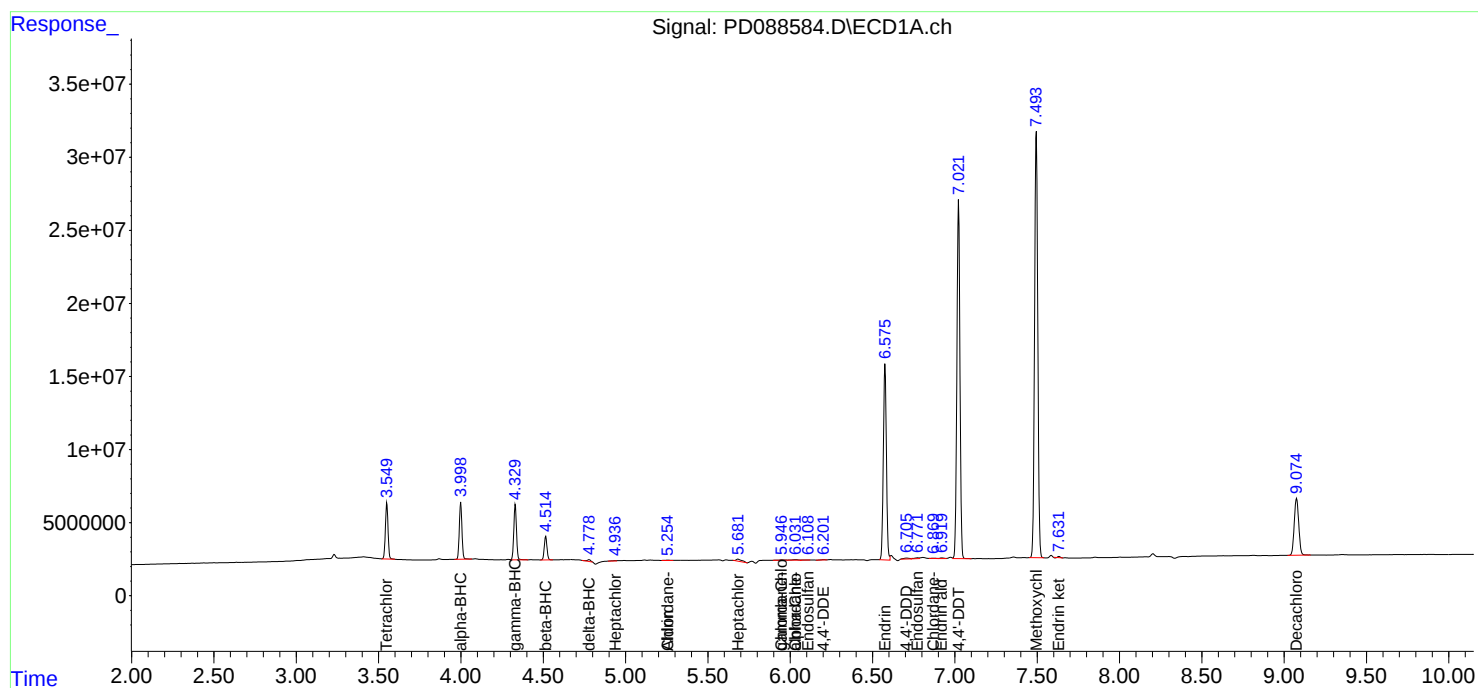
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

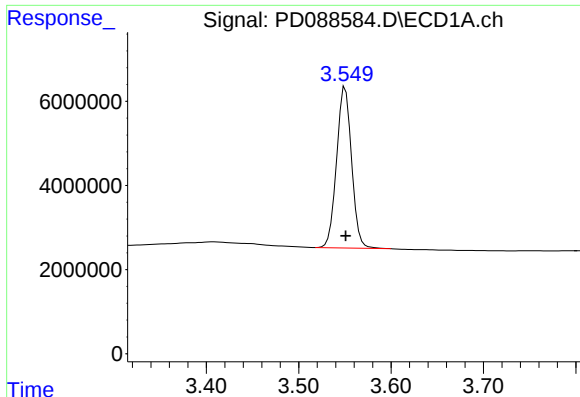
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088584.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 11:04
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 14:00:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 13:57:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

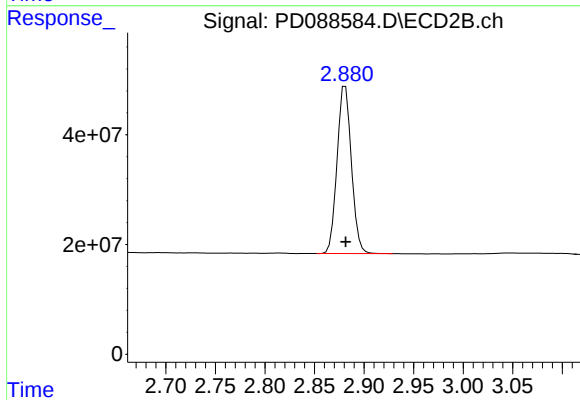




#1 Tetrachloro-m-xylene

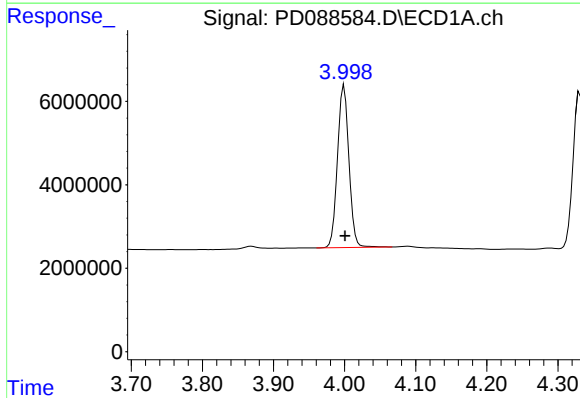
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 43185677
Conc: 19.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



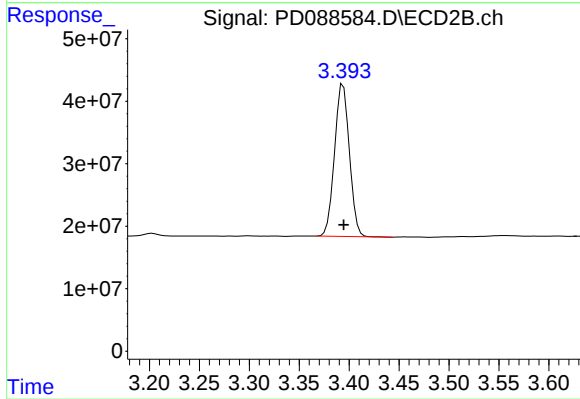
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 307731812
Conc: 20.34 ng/ml



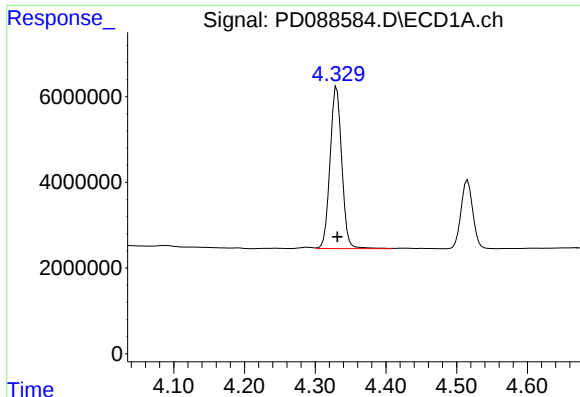
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: -0.001 min
Response: 43541198
Conc: 9.12 ng/ml



#2 alpha-BHC

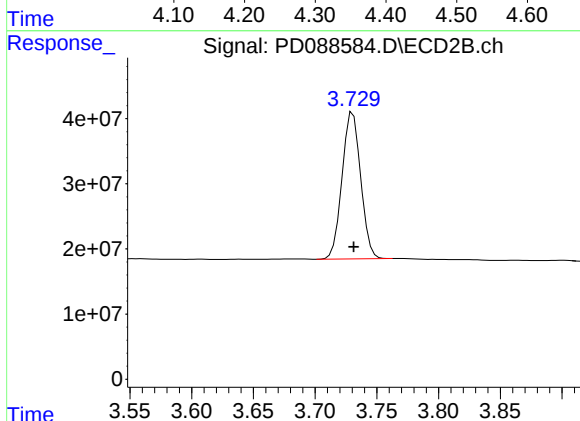
R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 252707737
Conc: 10.57 ng/ml



#3 gamma-BHC (Lindane)

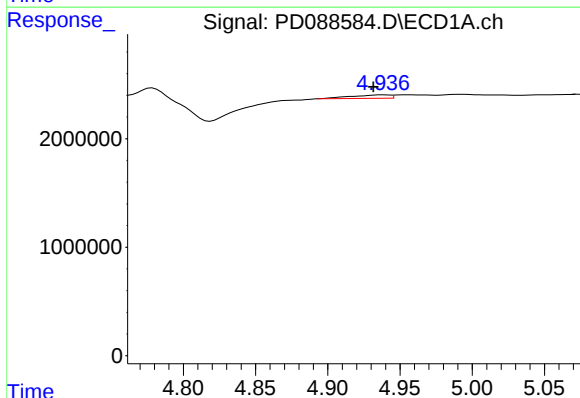
R.T.: 4.331 min
Delta R.T.: -0.001 min
Response: 43519433
Conc: 9.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



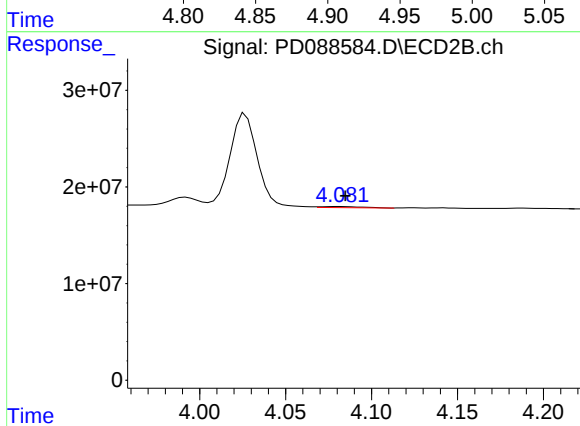
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.000 min
Response: 236443252
Conc: 10.67 ng/ml



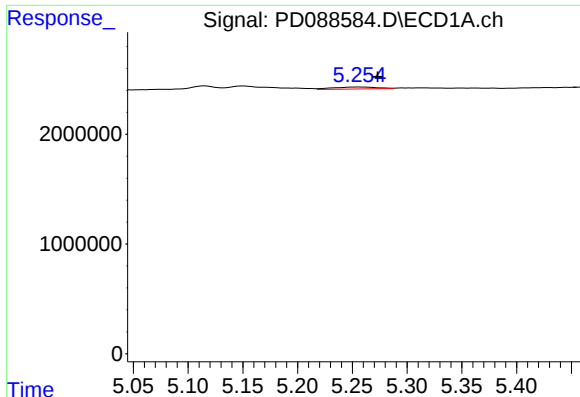
#4 Heptachlor

R.T.: 4.938 min
Delta R.T.: 0.007 min
Response: 588889
Conc: 0.13 ng/ml



#4 Heptachlor

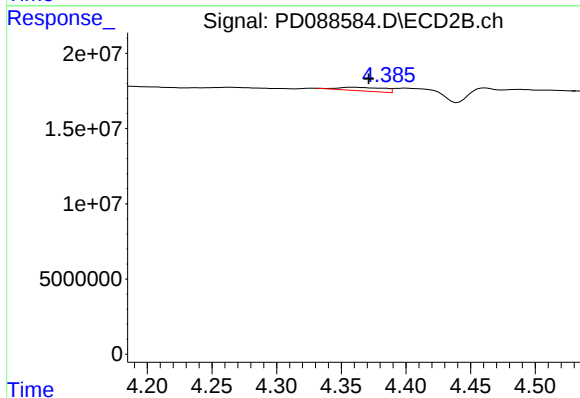
R.T.: 4.082 min
Delta R.T.: -0.003 min
Response: 1692805
Conc: 0.08 ng/ml



#5 Aldrin

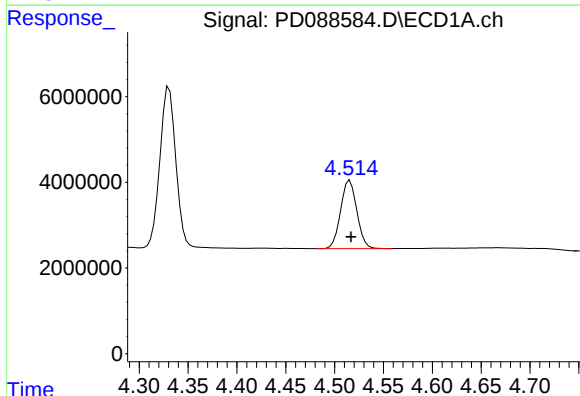
R.T.: 5.255 min
Delta R.T.: -0.018 min
Response: 479963
Conc: 0.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



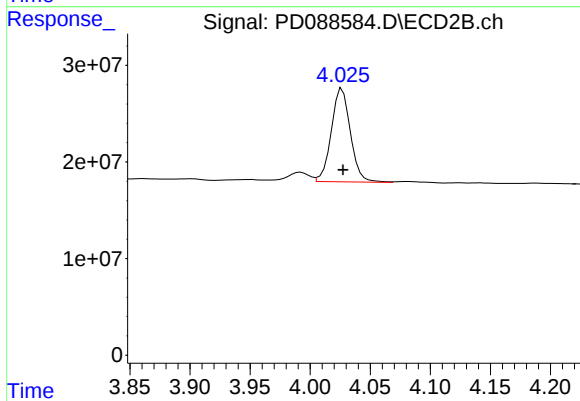
#5 Aldrin

R.T.: 4.359 min
Delta R.T.: -0.013 min
Response: 5836904
Conc: 0.27 ng/ml



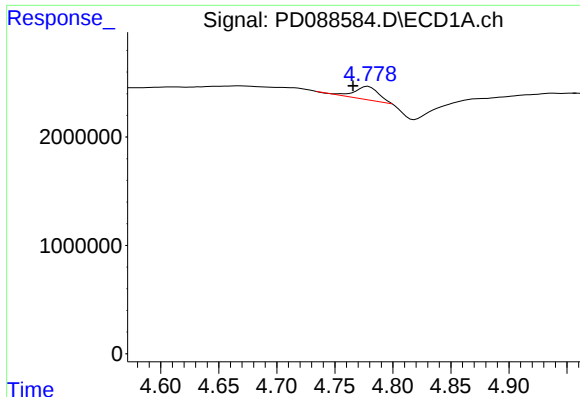
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: -0.001 min
Response: 18494243
Conc: 10.26 ng/ml



#6 beta-BHC

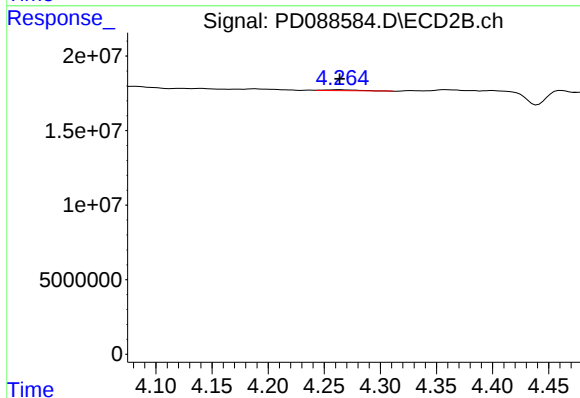
R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 107044796
Conc: 10.99 ng/ml



#7 delta-BHC

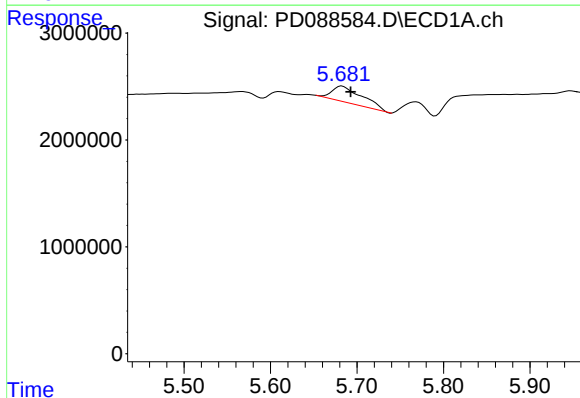
R.T.: 4.779 min
Delta R.T.: 0.013 min
Response: 1664302
Conc: 0.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



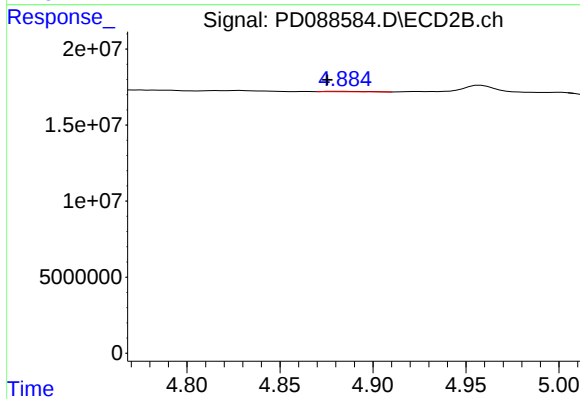
#7 delta-BHC

R.T.: 4.265 min
Delta R.T.: 0.001 min
Response: 1224493
Conc: 0.05 ng/ml



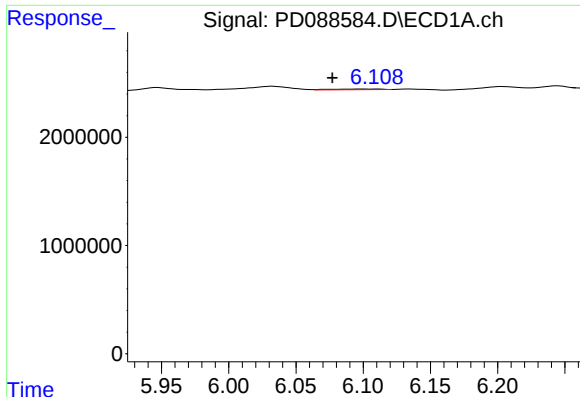
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: -0.010 min
Response: 3695083
Conc: 0.93 ng/ml



#8 Heptachlor epoxide

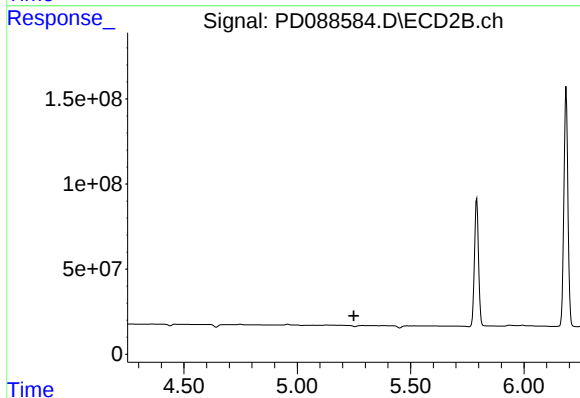
R.T.: 4.884 min
Delta R.T.: 0.009 min
Response: 479355
Conc: 0.02 ng/ml



#9 Endosulfan I

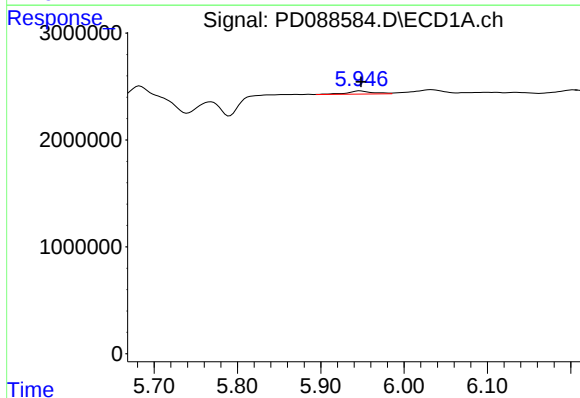
R.T.: 6.101 min
Delta R.T.: 0.024 min
Response: 160493
Conc: 0.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



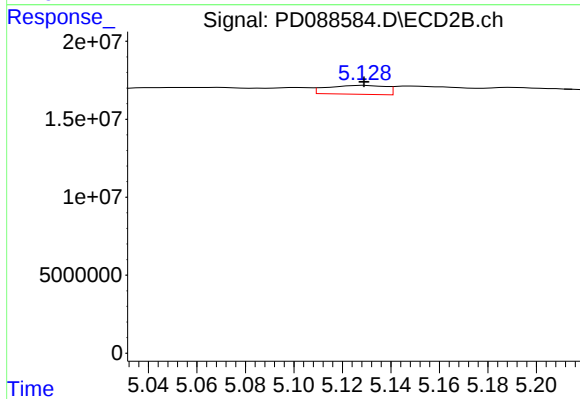
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T. : 5.250 min
Response: 0
Conc: N.D.



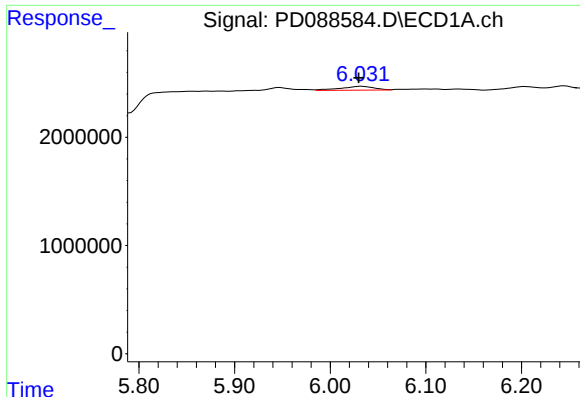
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: -0.001 min
Response: 627612
Conc: 0.16 ng/ml



#10 gamma-Chlordane

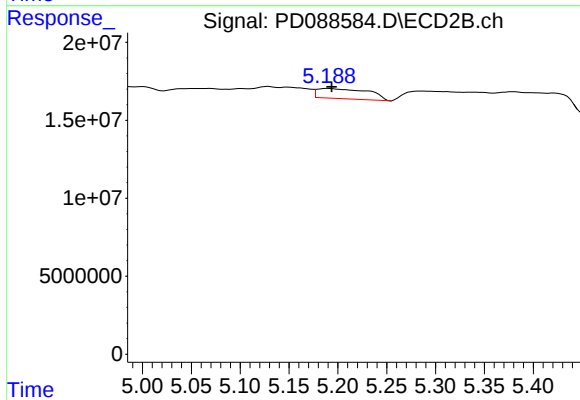
R.T.: 5.129 min
Delta R.T.: 0.000 min
Response: 9522313
Conc: 0.45 ng/ml



#11 alpha-Chlordane

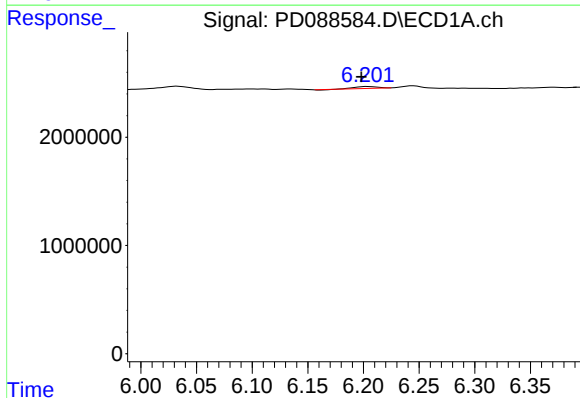
R.T.: 6.033 min
Delta R.T.: 0.003 min
Response: 889163
Conc: 0.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



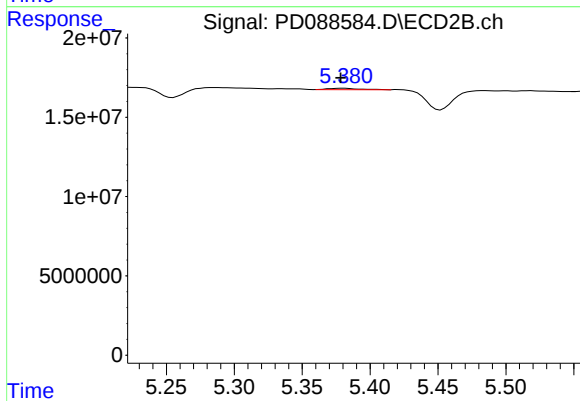
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: -0.004 min
Response: 23598968
Conc: 1.14 ng/ml



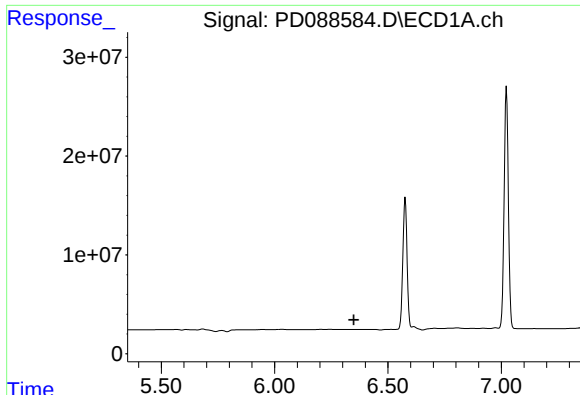
#12 4,4'-DDE

R.T.: 6.204 min
Delta R.T.: 0.006 min
Response: 249997
Conc: 0.07 ng/ml



#12 4,4'-DDE

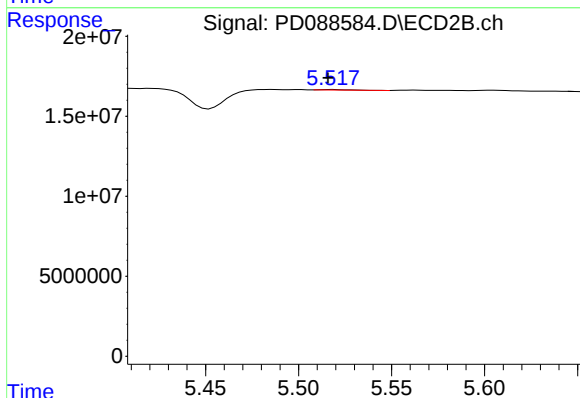
R.T.: 5.382 min
Delta R.T.: 0.003 min
Response: 1412926
Conc: 0.07 ng/ml



#13 Dieldrin

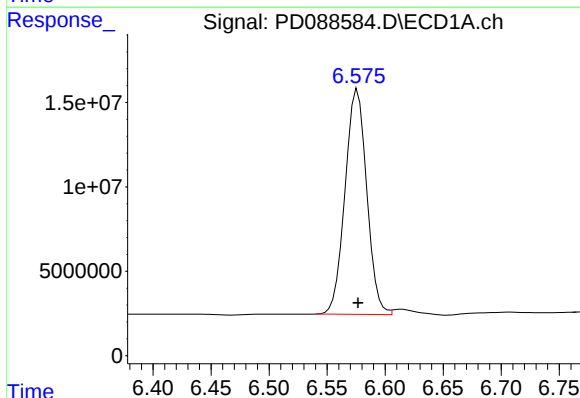
R.T.: 0.000 min
Exp R.T.: 6.350 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



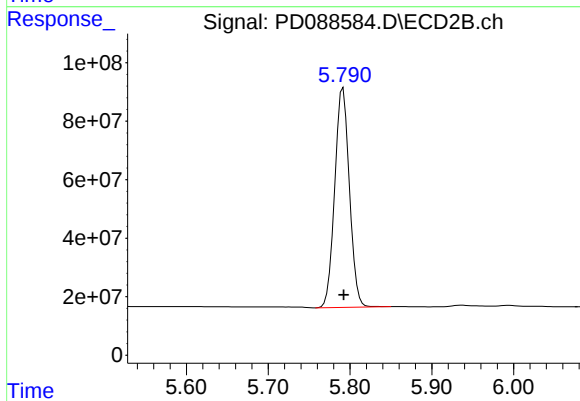
#13 Dieldrin

R.T.: 5.518 min
Delta R.T.: 0.002 min
Response: 346306
Conc: 0.02 ng/ml



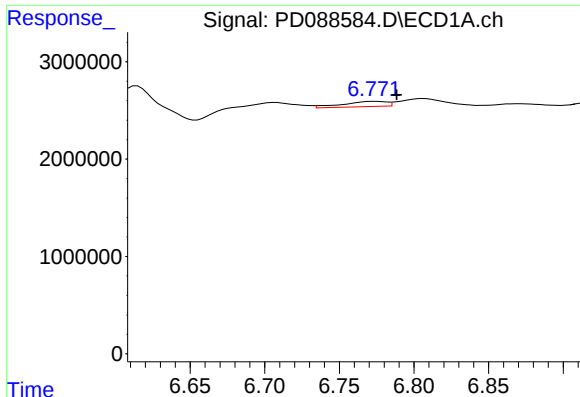
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 173685082
Conc: 50.86 ng/ml



#14 Endrin

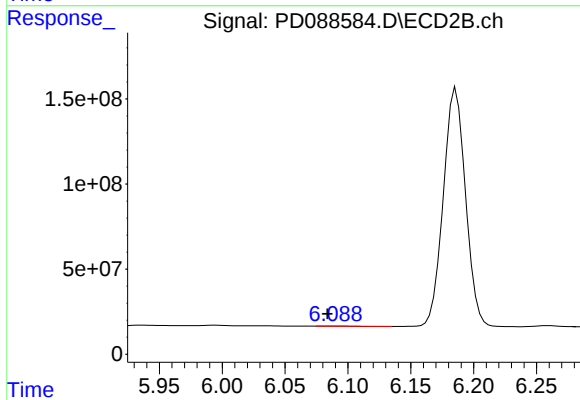
R.T.: 5.792 min
Delta R.T.: 0.000 min
Response: 934754801
Conc: 48.47 ng/ml



#15 Endosulfan II

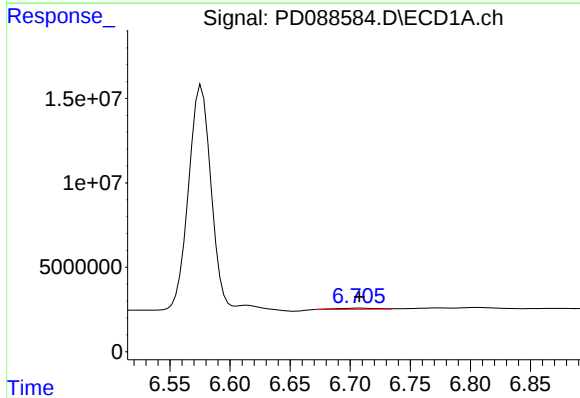
R.T.: 6.774 min
Delta R.T.: -0.014 min
Response: 1106128
Conc: 0.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



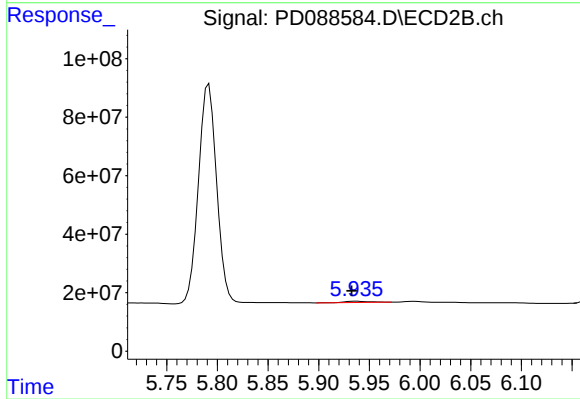
#15 Endosulfan II

R.T.: 6.088 min
Delta R.T.: 0.004 min
Response: 1689577
Conc: 0.09 ng/ml



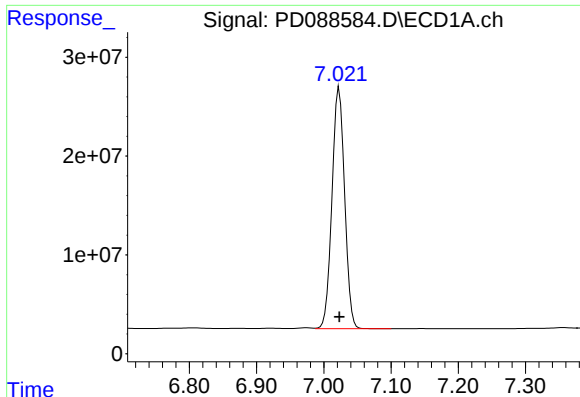
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 1526198
Conc: 0.55 ng/ml



#16 4,4'-DDD

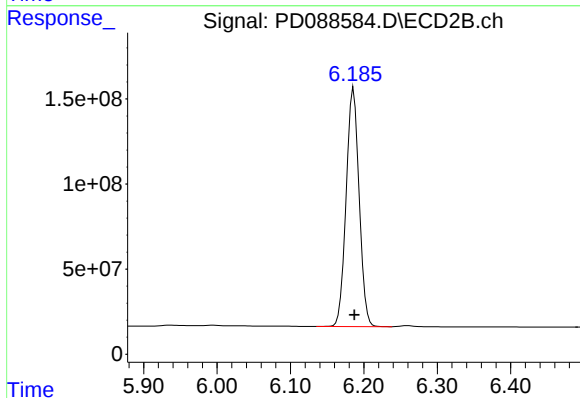
R.T.: 5.937 min
Delta R.T.: 0.004 min
Response: 6417679
Conc: 0.37 ng/ml



#17 4,4'-DDT

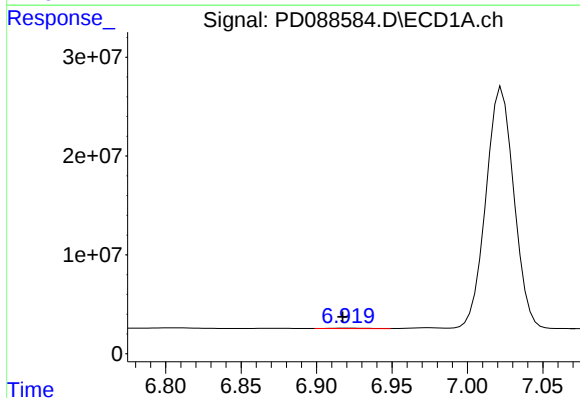
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 315976412
Conc: 101.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



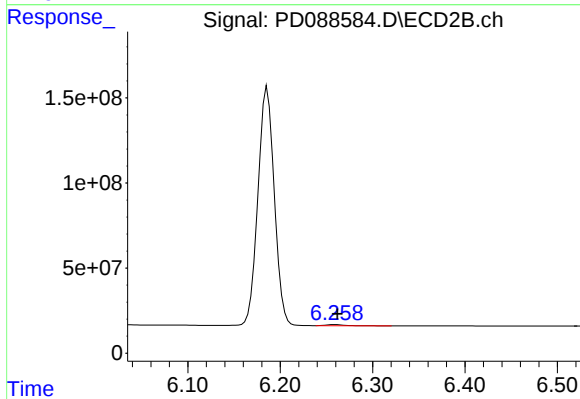
#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: 0.000 min
Response: 1724841287
Conc: 95.10 ng/ml



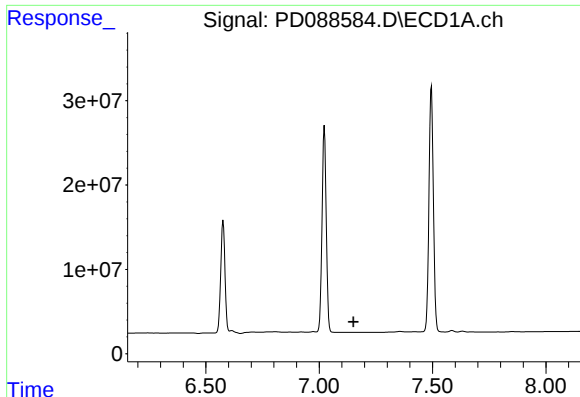
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: 0.003 min
Response: 653659
Conc: 0.25 ng/ml



#18 Endrin aldehyde

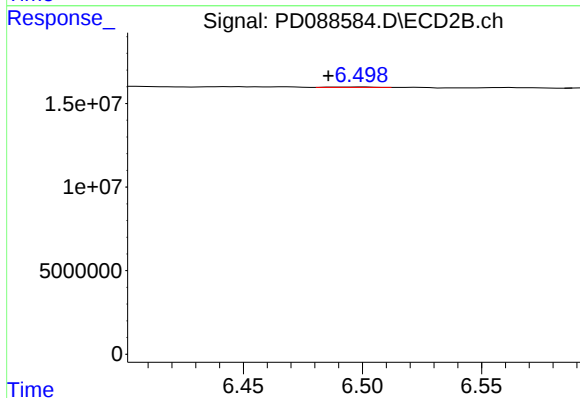
R.T.: 6.260 min
Delta R.T.: -0.002 min
Response: 9017476
Conc: 0.65 ng/ml



#19 Endosulfan Sulfate

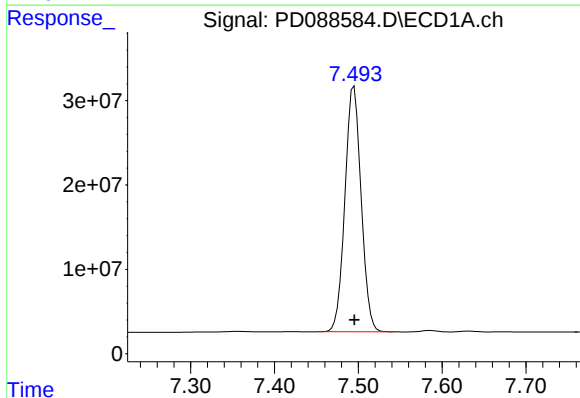
R.T.: 0.000 min
Exp R.T.: 7.152 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



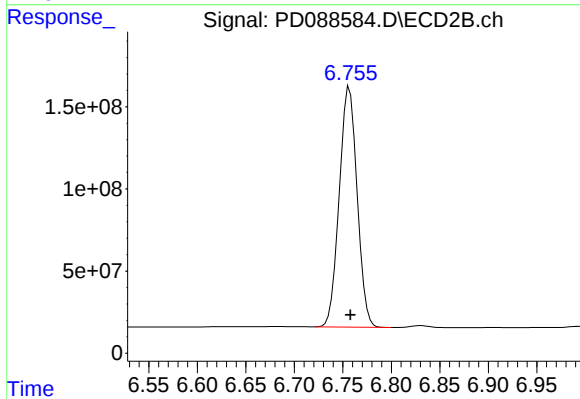
#19 Endosulfan Sulfate

R.T.: 6.500 min
Delta R.T.: 0.014 min
Response: 304472
Conc: 0.02 ng/ml



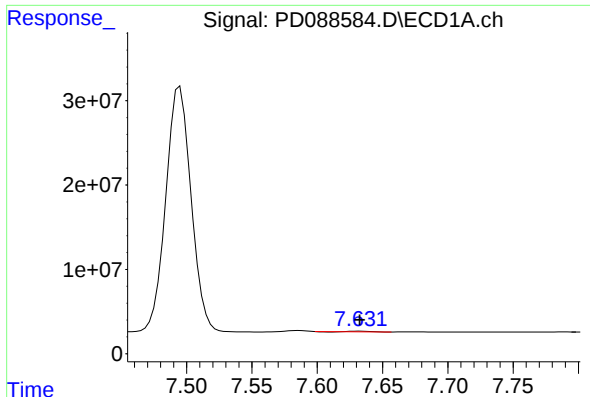
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 392097860
Conc: 234.71 ng/ml



#20 Methoxychlor

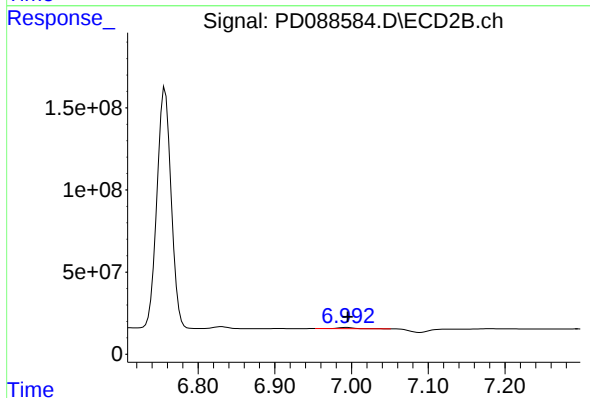
R.T.: 6.757 min
Delta R.T.: -0.001 min
Response: 1873132344
Conc: 195.63 ng/ml



#21 Endrin ketone

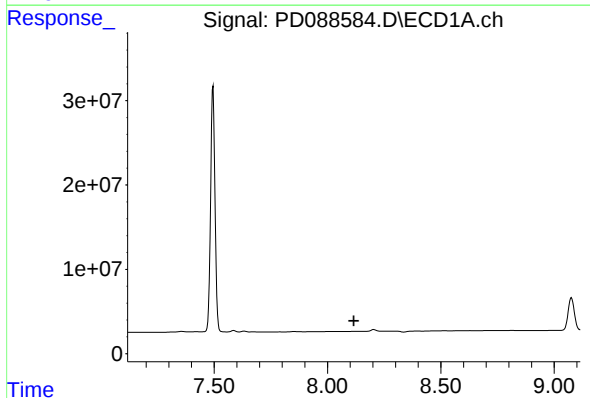
R.T.: 7.633 min
Delta R.T.: 0.000 min
Response: 609123
Conc: 0.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



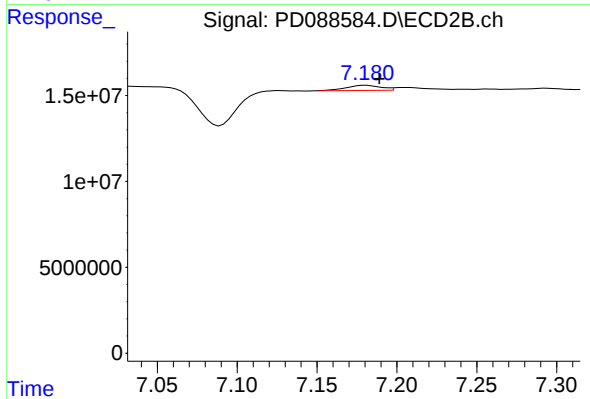
#21 Endrin ketone

R.T.: 6.993 min
Delta R.T.: -0.002 min
Response: 8681203
Conc: 0.45 ng/ml



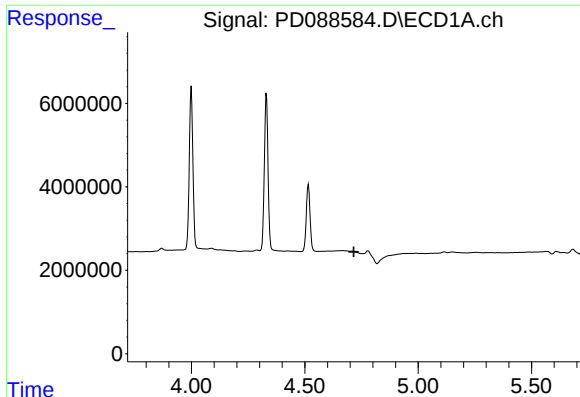
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.117 min
Response: 0
Conc: N.D.



#22 Mirex

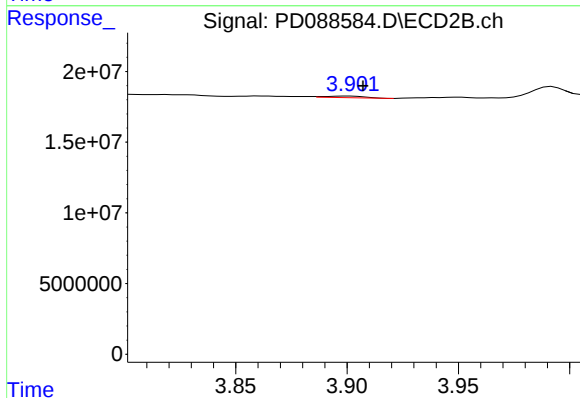
R.T.: 7.181 min
Delta R.T.: -0.008 min
Response: 4568201
Conc: 0.30 ng/ml



#23 Chlordane-1

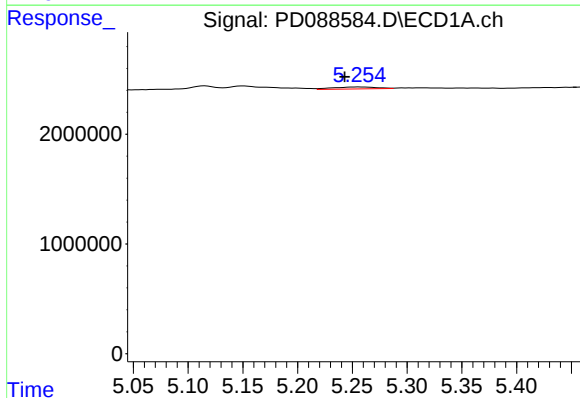
R.T.: 0.000 min
Exp R.T.: 4.716 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



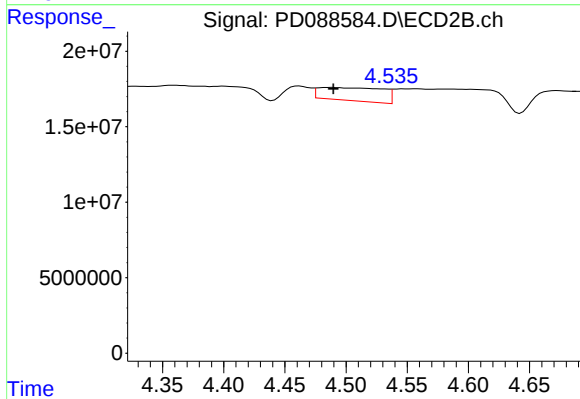
#23 Chlordane-1

R.T.: 3.901 min
Delta R.T.: -0.007 min
Response: 1325854
Conc: 1.60 ng/ml



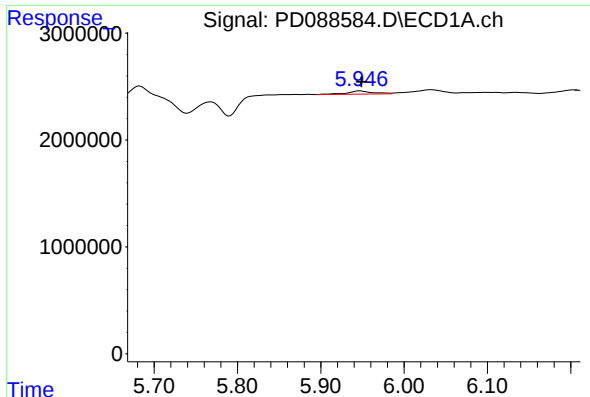
#24 Chlordane-2

R.T.: 5.255 min
Delta R.T.: 0.012 min
Response: 479963
Conc: 2.62 ng/ml



#24 Chlordane-2

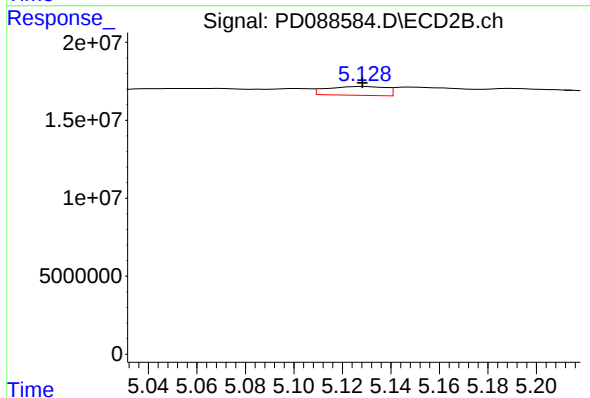
R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 31313096
Conc: 37.10 ng/ml



#25 Chlordane-3

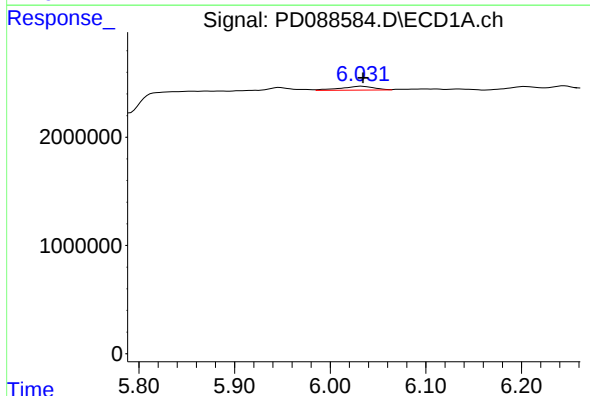
R.T.: 5.947 min
Delta R.T.: -0.001 min
Response: 627612
Conc: 0.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



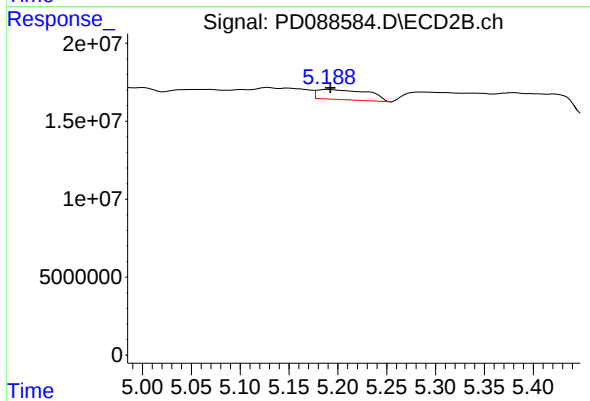
#25 Chlordane-3

R.T.: 5.129 min
Delta R.T.: 0.000 min
Response: 9522313
Conc: 3.61 ng/ml



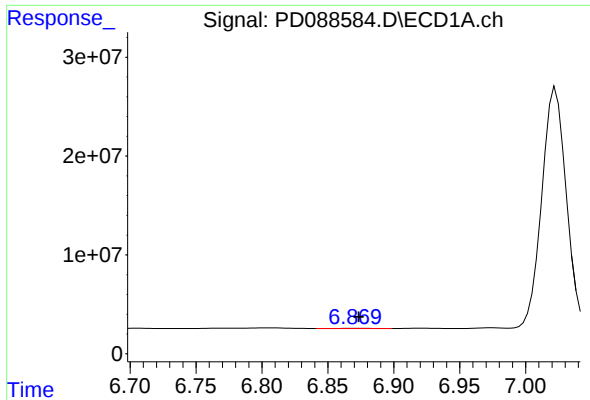
#26 Chlordane-4

R.T.: 6.033 min
Delta R.T.: -0.001 min
Response: 889163
Conc: 0.99 ng/ml



#26 Chlordane-4

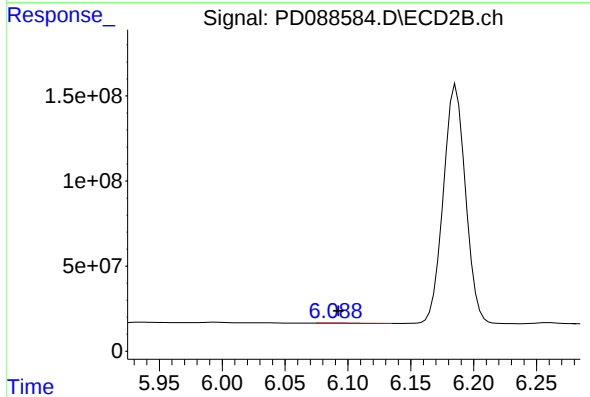
R.T.: 5.190 min
Delta R.T.: -0.003 min
Response: 23598968
Conc: 10.67 ng/ml



#27 Chlordane-5

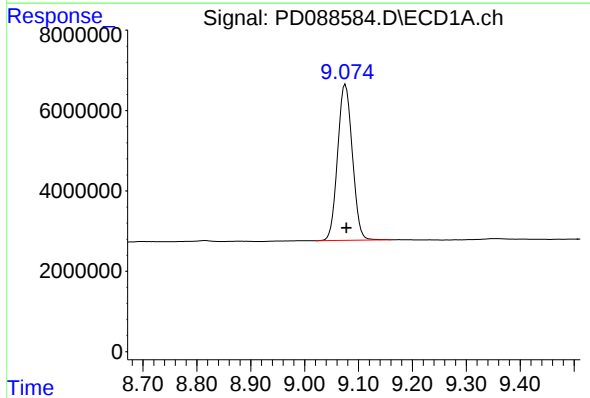
R.T.: 6.870 min
Delta R.T.: -0.003 min
Response: 294477
Conc: 1.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



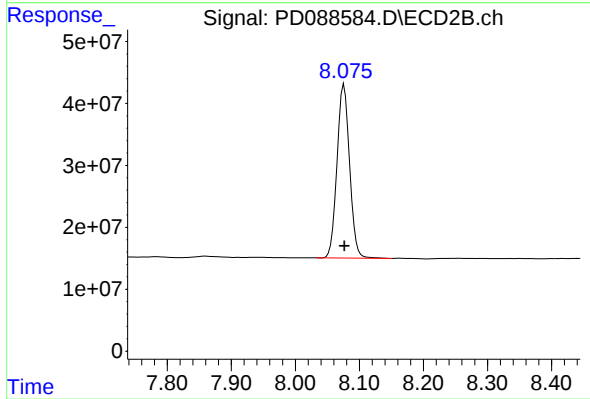
#27 Chlordane-5

R.T.: 6.088 min
Delta R.T.: -0.005 min
Response: 1689577
Conc: 1.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.076 min
Delta R.T.: -0.002 min
Response: 73616024
Conc: 21.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 382665210
Conc: 20.96 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
 Data File : PD088590.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 12:25
 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: May 19 12:51:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 12:41:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 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	2.882	11569731	87743326	5.347	5.800
28)	SA Decachlor...	9.077	8.076	19763753	110.7E6	5.775	6.062
Target Compounds							
2)	A alpha-BHC	4.000	3.394	21526558	133.6E6	4.507	5.590
3)	MA gamma-BHC...	4.331	3.731	21657318	125.1E6	4.705	5.645
4)	MA Heptachlor	4.931	4.084	22768377	130.3E6	5.067	5.801
5)	MB Aldrin	5.273	4.370	21861853	125.7E6	4.975	5.734
6)	B beta-BHC	4.516	4.027	9793458	58294427	5.431	5.984
7)	B delta-BHC	4.764	4.264	20011375	126.5E6	4.735	5.674
8)	B Heptachlo...	5.693	4.874	22325883	117.3E6	5.636	5.903
9)	A Endosulfan I	6.076	5.249	19604836	111.8E6	5.210	5.892
10)	B gamma-Chl...	5.948	5.128	20203660	123.9E6	5.065	5.808
11)	B alpha-Chl...	6.029	5.192	20755365	120.4E6	5.181	5.840
12)	B 4,4'-DDE	6.198	5.378	17503651	121.5E6	4.877	5.812
13)	MA Dieldrin	6.349	5.515	19976132	122.7E6	4.979	5.830
14)	MA Endrin	6.577	5.792	17082110	114.2E6	5.002	5.923
15)	B Endosulfa...	6.788	6.083	18646050	108.1E6	5.415	5.903
16)	A 4,4'-DDD	6.707	5.932	13611843	100.6E6	4.887	5.786
17)	MA 4,4'-DDT	7.023	6.186	15258865	97907648	4.887	5.398
18)	B Endrin al...	6.917	6.261	14132008	84167396	5.489	6.043
19)	B Endosulfa...	7.152	6.485	17063513	105.5E6	5.327	5.940
20)	A Methoxychlor	7.496	6.758	9112300	55786563	5.455	5.826
21)	B Endrin ke...	7.633	6.995	17773939	114.1E6	5.192	5.898
22)	Mirex	8.117	7.189	15159249	92799571	5.834	6.104

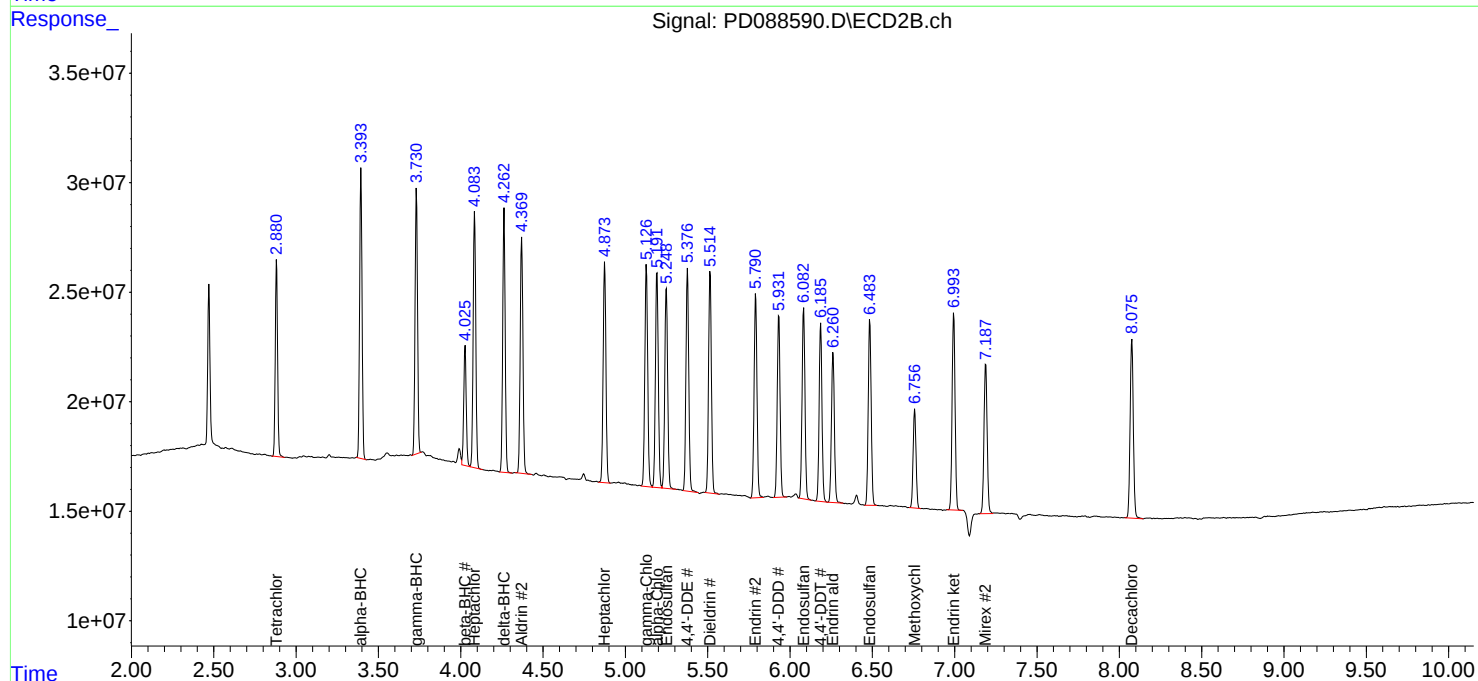
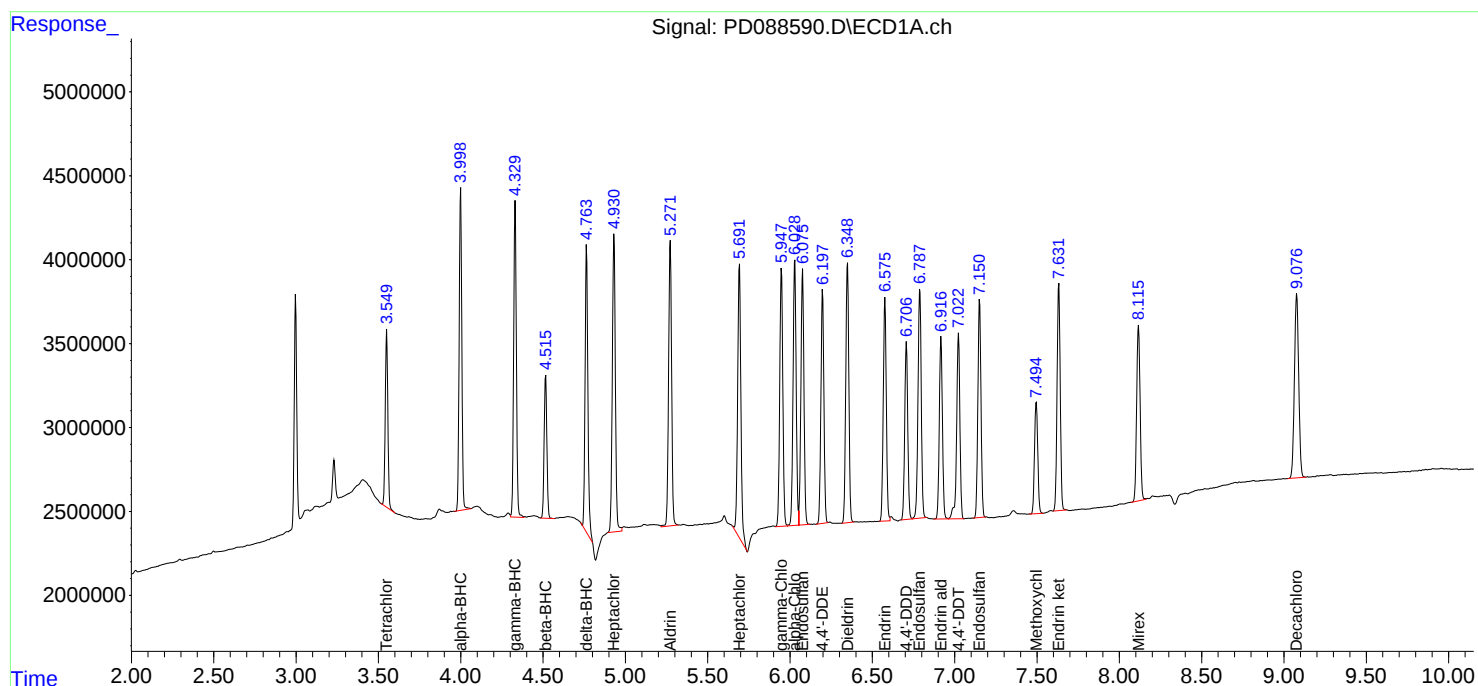
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

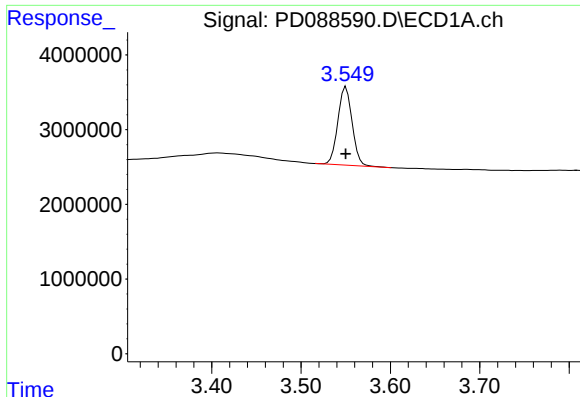
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
Data File : PD088590.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2025 12:25
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 19 12:51:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 12:41:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

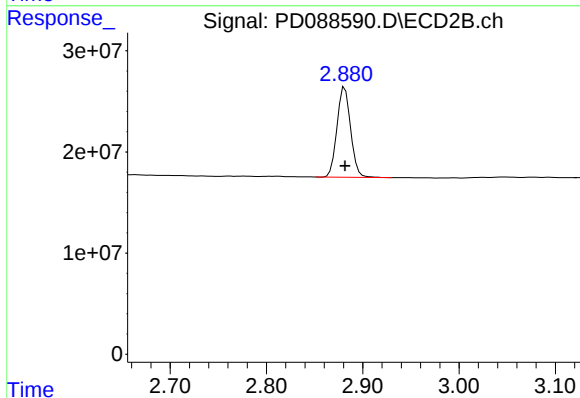




#1 Tetrachloro-m-xylene

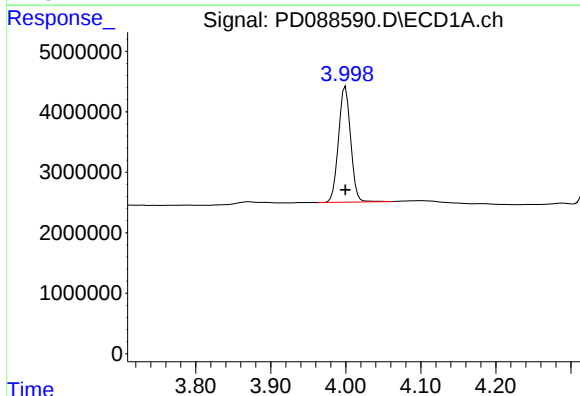
R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 11569731
Conc: 5.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



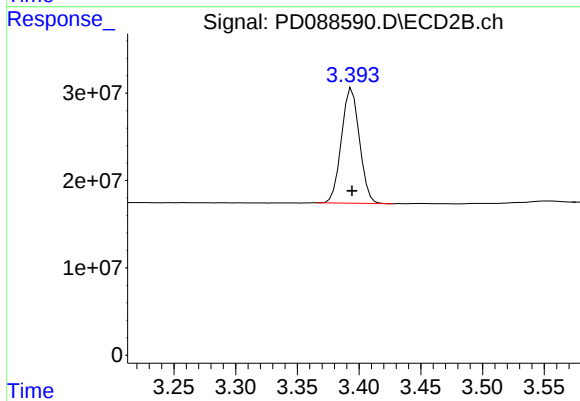
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 87743326
Conc: 5.80 ng/ml



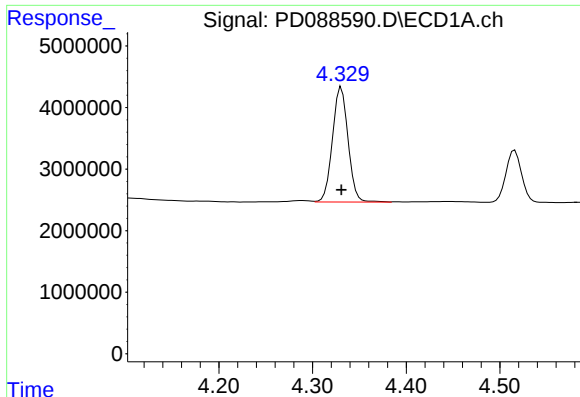
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 21526558
Conc: 4.51 ng/ml



#2 alpha-BHC

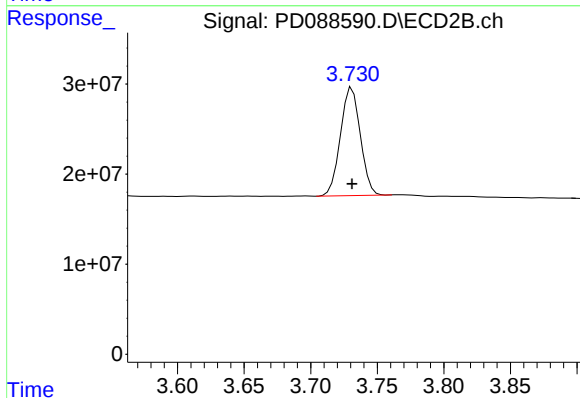
R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 133631486
Conc: 5.59 ng/ml



#3 gamma-BHC (Lindane)

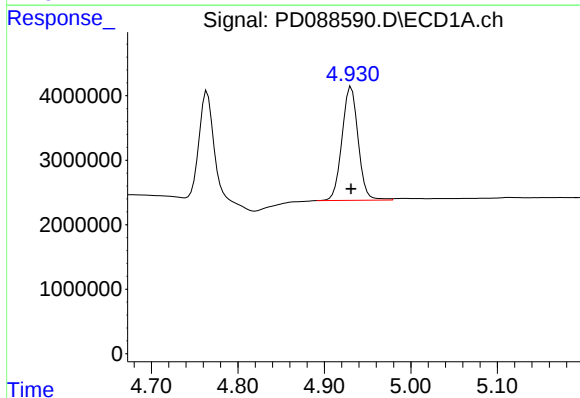
R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 21657318
Conc: 4.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



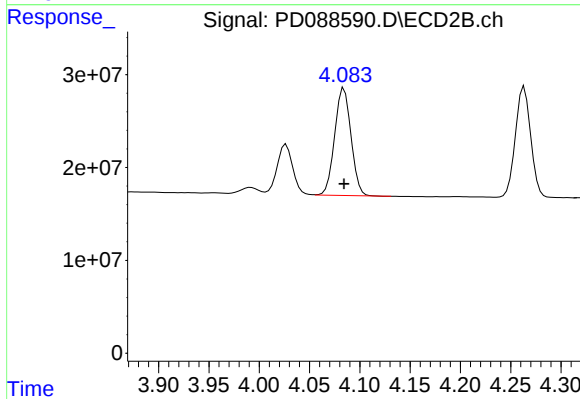
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.000 min
Response: 125133932
Conc: 5.65 ng/ml



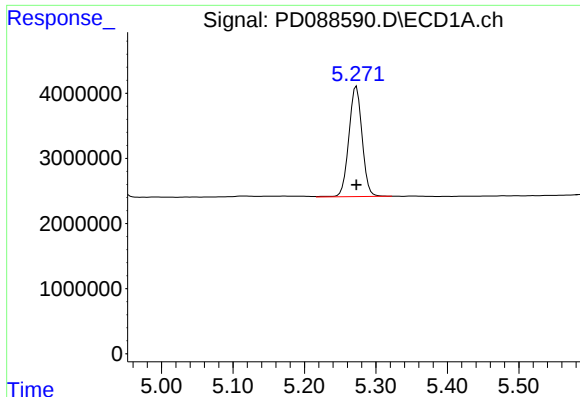
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 22768377
Conc: 5.07 ng/ml



#4 Heptachlor

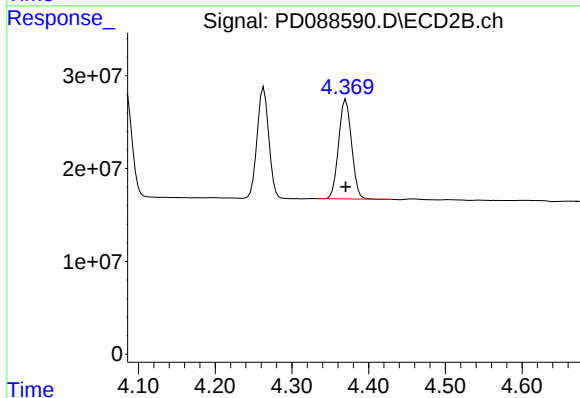
R.T.: 4.084 min
Delta R.T.: 0.000 min
Response: 130254372
Conc: 5.80 ng/ml



#5 Aldrin

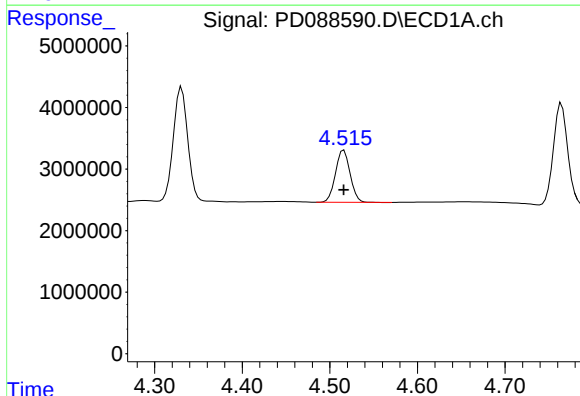
R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 21861853
Conc: 4.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



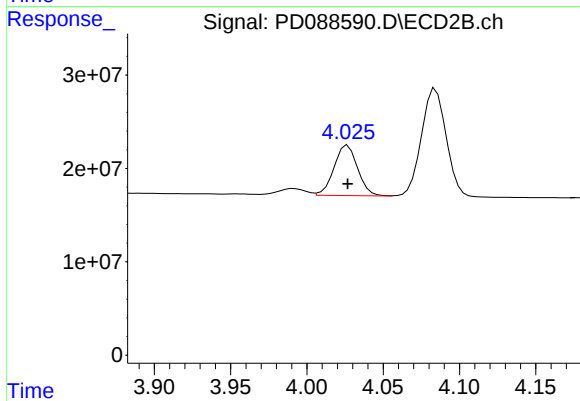
#5 Aldrin

R.T.: 4.370 min
Delta R.T.: 0.000 min
Response: 125739574
Conc: 5.73 ng/ml



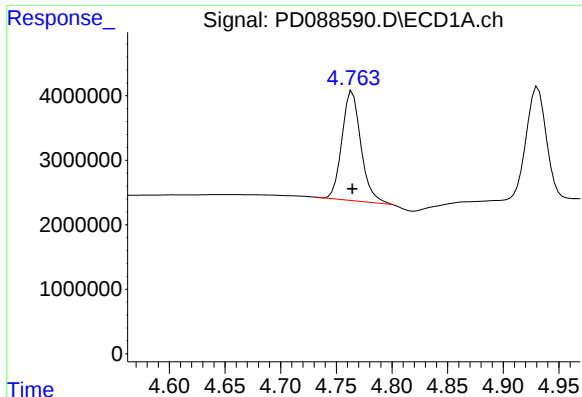
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 9793458
Conc: 5.43 ng/ml



#6 beta-BHC

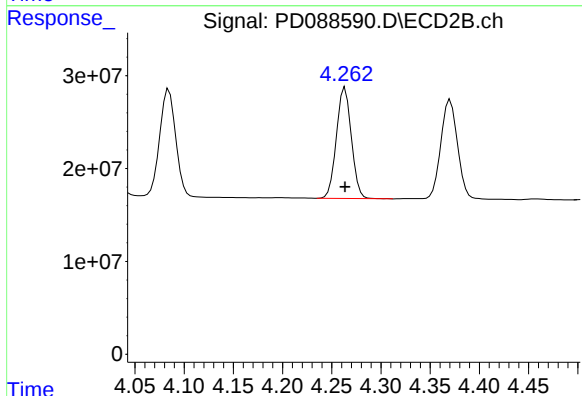
R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 58294427
Conc: 5.98 ng/ml



#7 delta-BHC

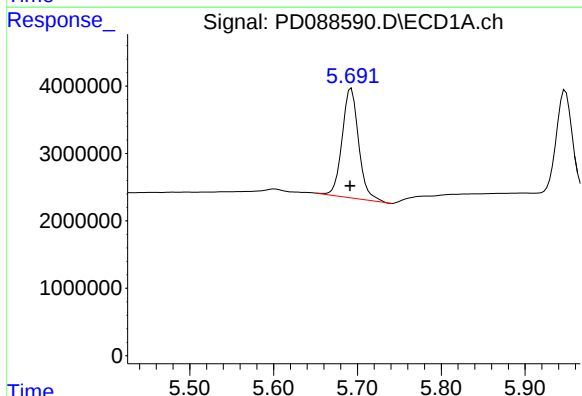
R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 20011375
Conc: 4.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



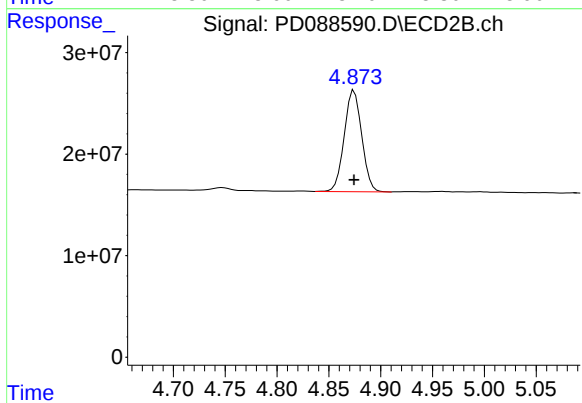
#7 delta-BHC

R.T.: 4.264 min
Delta R.T.: 0.000 min
Response: 126492727
Conc: 5.67 ng/ml



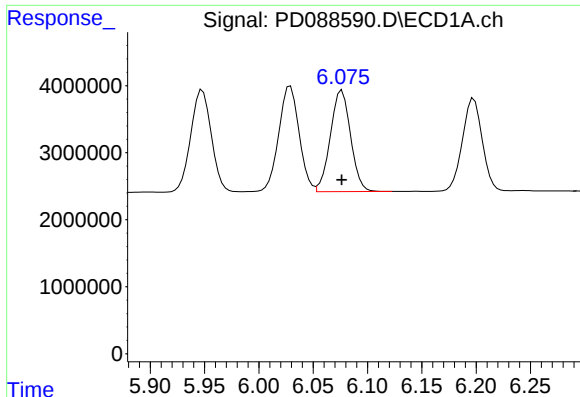
#8 Heptachlor epoxide

R.T.: 5.693 min
Delta R.T.: 0.001 min
Response: 22325883
Conc: 5.64 ng/ml



#8 Heptachlor epoxide

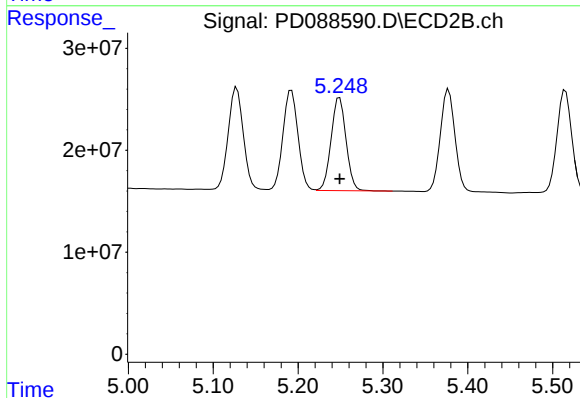
R.T.: 4.874 min
Delta R.T.: 0.000 min
Response: 117295268
Conc: 5.90 ng/ml



#9 Endosulfan I

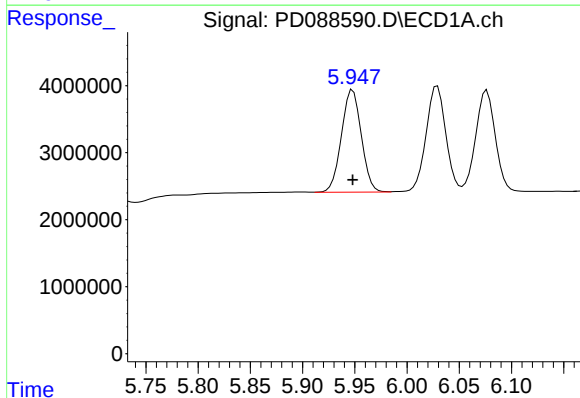
R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 19604836
Conc: 5.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



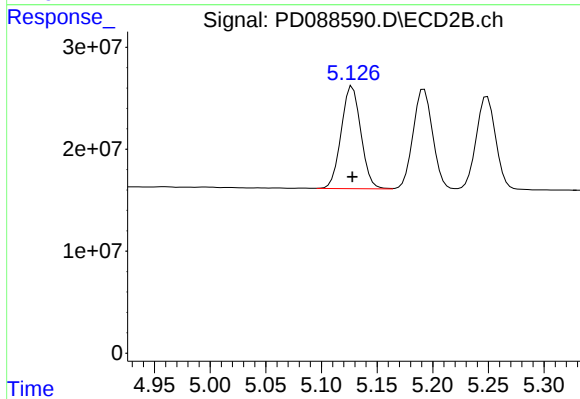
#9 Endosulfan I

R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 111827302
Conc: 5.89 ng/ml



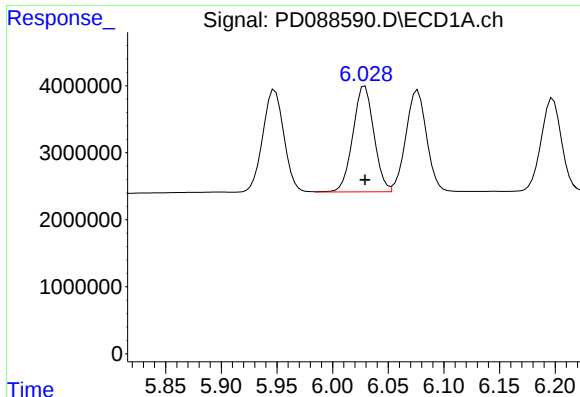
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 20203660
Conc: 5.06 ng/ml



#10 gamma-Chlordane

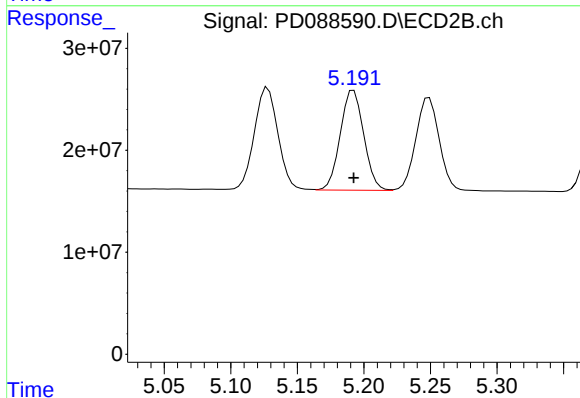
R.T.: 5.128 min
Delta R.T.: 0.000 min
Response: 123892575
Conc: 5.81 ng/ml



#11 alpha-Chlordane

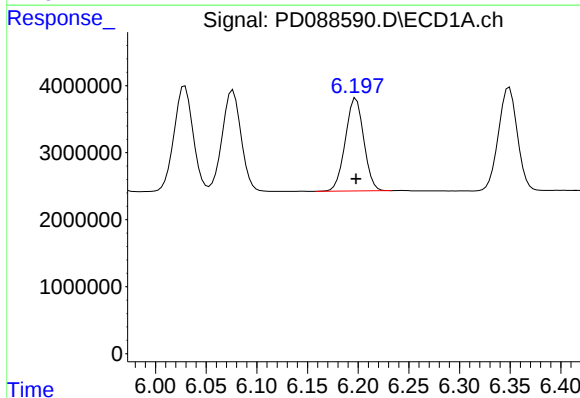
R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 20755365
Conc: 5.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



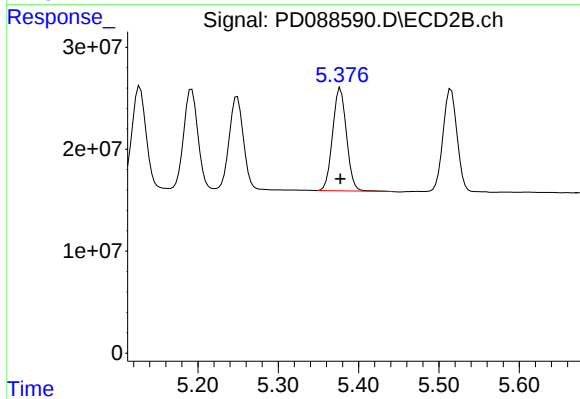
#11 alpha-Chlordane

R.T.: 5.192 min
Delta R.T.: 0.000 min
Response: 120444919
Conc: 5.84 ng/ml



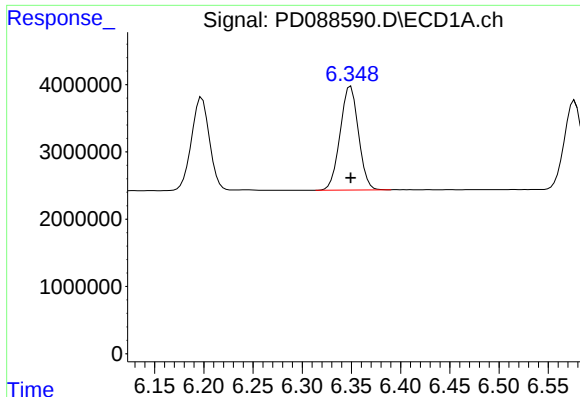
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.000 min
Response: 17503651
Conc: 4.88 ng/ml



#12 4,4'-DDE

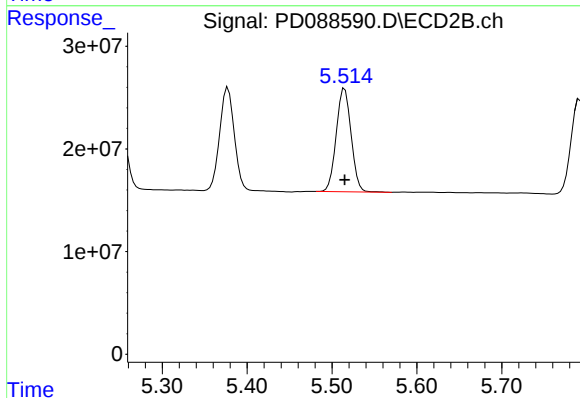
R.T.: 5.378 min
Delta R.T.: 0.000 min
Response: 121489802
Conc: 5.81 ng/ml



#13 Dieldrin

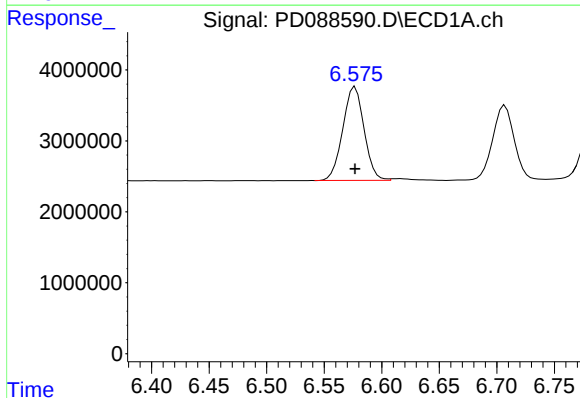
R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 19976132
Conc: 4.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



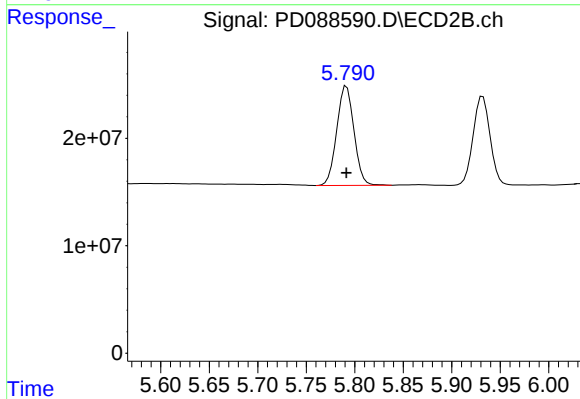
#13 Dieldrin

R.T.: 5.515 min
Delta R.T.: 0.000 min
Response: 122680748
Conc: 5.83 ng/ml



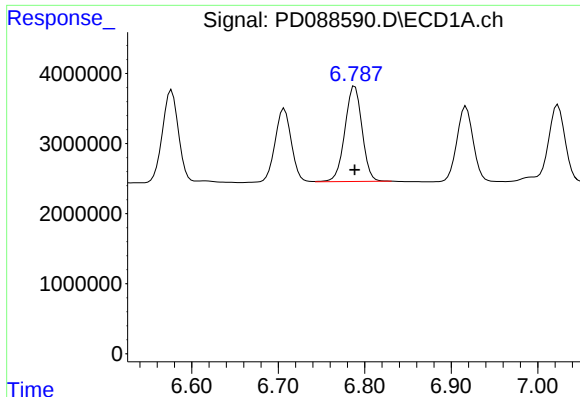
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.000 min
Response: 17082110
Conc: 5.00 ng/ml



#14 Endrin

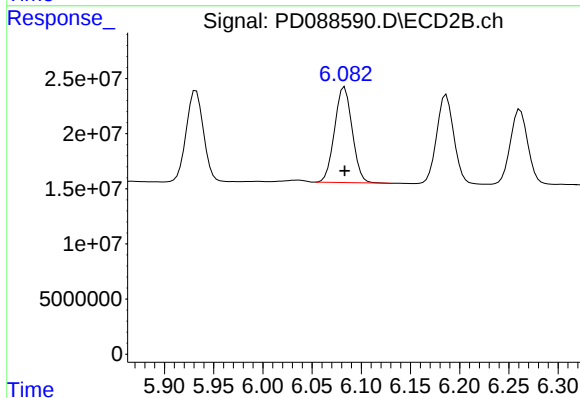
R.T.: 5.792 min
Delta R.T.: 0.000 min
Response: 114212828
Conc: 5.92 ng/ml



#15 Endosulfan II

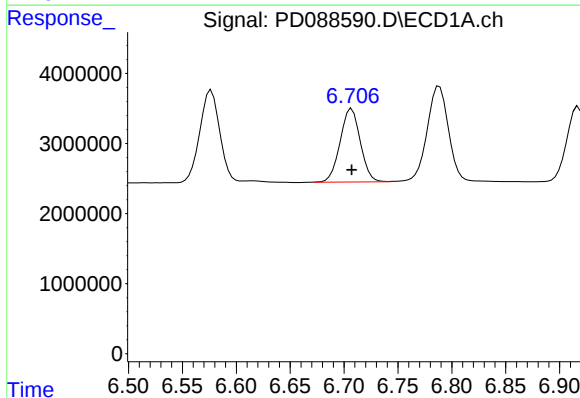
R.T.: 6.788 min
Delta R.T.: 0.000 min
Response: 18646050
Conc: 5.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



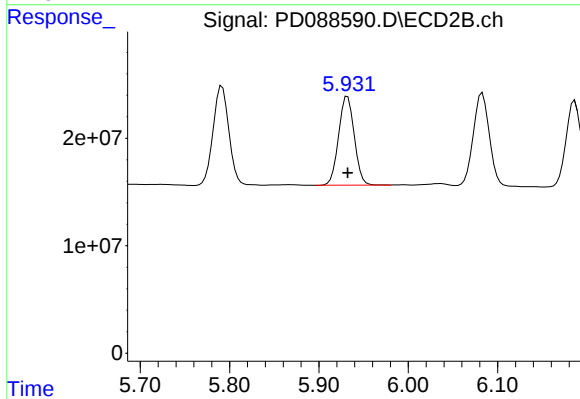
#15 Endosulfan II

R.T.: 6.083 min
Delta R.T.: 0.000 min
Response: 108145535
Conc: 5.90 ng/ml



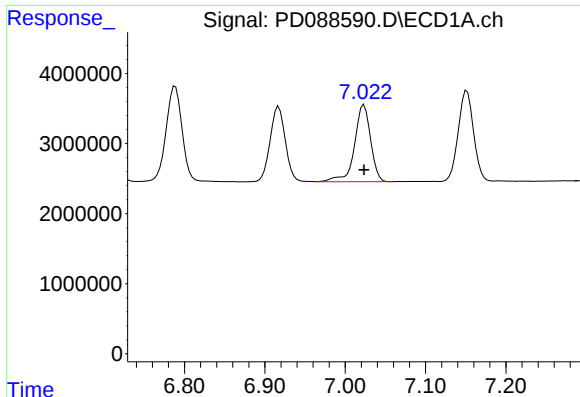
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 13611843
Conc: 4.89 ng/ml



#16 4,4'-DDD

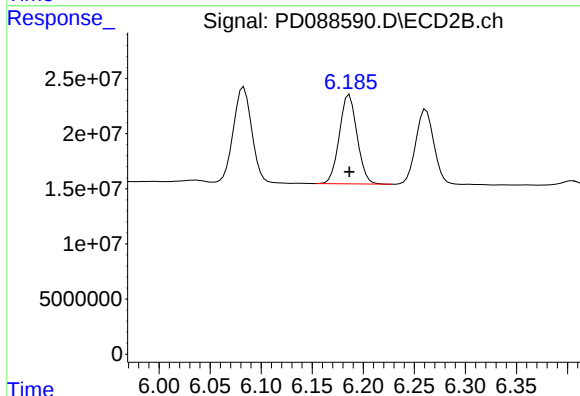
R.T.: 5.932 min
Delta R.T.: 0.000 min
Response: 100635659
Conc: 5.79 ng/ml



#17 4,4'-DDT

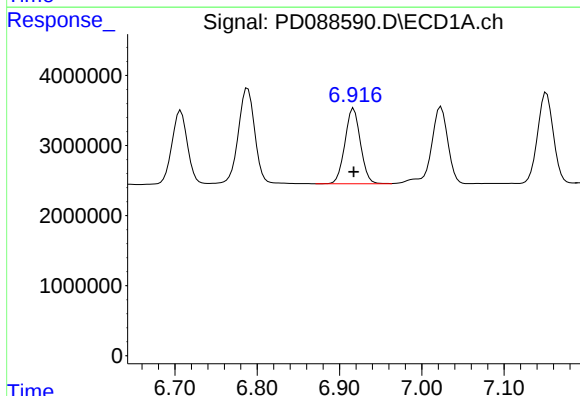
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 15258865
Conc: 4.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



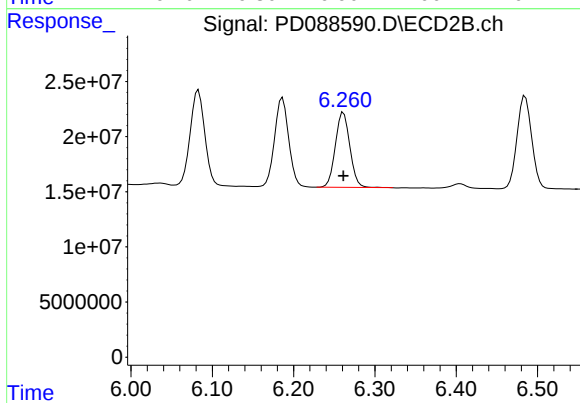
#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: 0.000 min
Response: 97907648
Conc: 5.40 ng/ml



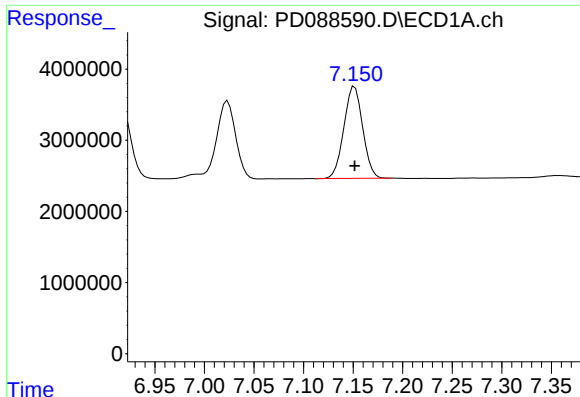
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.000 min
Response: 14132008
Conc: 5.49 ng/ml



#18 Endrin aldehyde

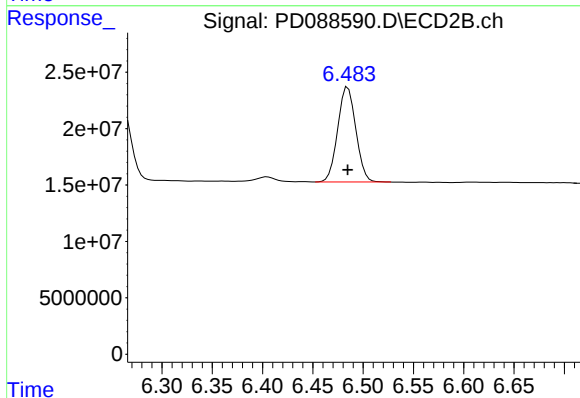
R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 84167396
Conc: 6.04 ng/ml



#19 Endosulfan Sulfate

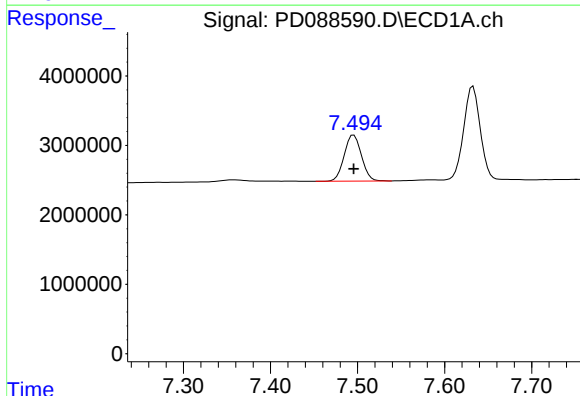
R.T.: 7.152 min
Delta R.T.: 0.000 min
Response: 17063513
Conc: 5.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



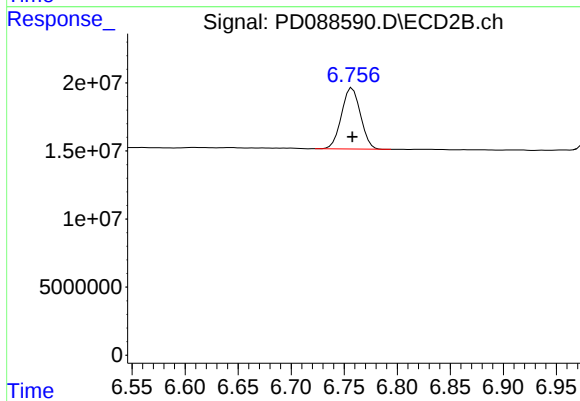
#19 Endosulfan Sulfate

R.T.: 6.485 min
Delta R.T.: 0.000 min
Response: 105463408
Conc: 5.94 ng/ml



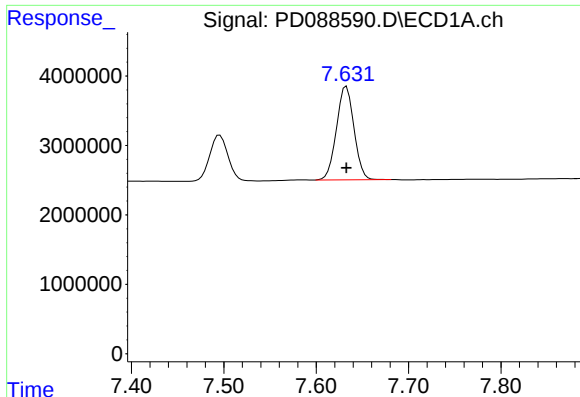
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.000 min
Response: 9112300
Conc: 5.45 ng/ml



#20 Methoxychlor

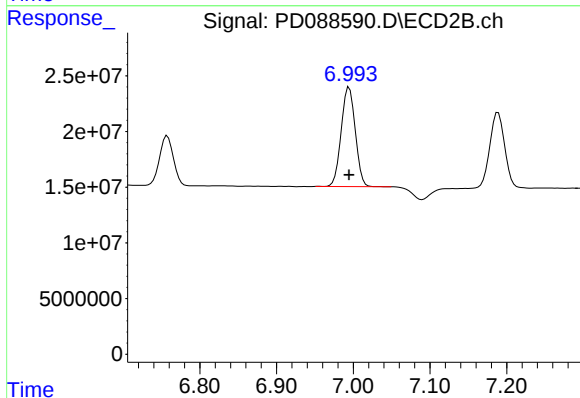
R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 55786563
Conc: 5.83 ng/ml



#21 Endrin ketone

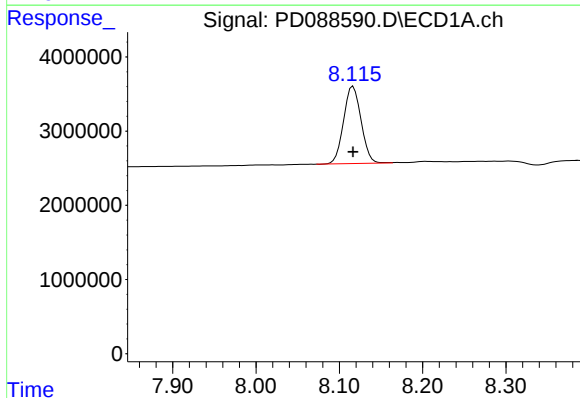
R.T.: 7.633 min
Delta R.T.: 0.000 min
Response: 17773939
Conc: 5.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



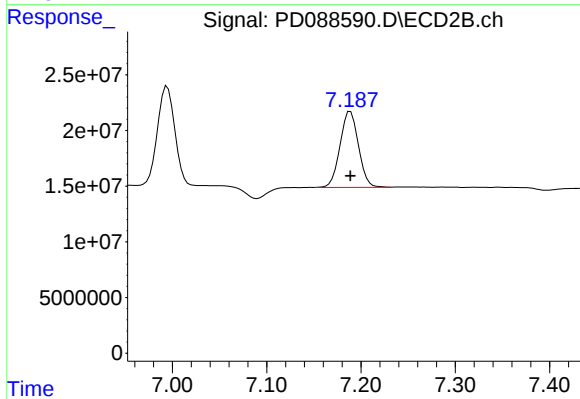
#21 Endrin ketone

R.T.: 6.995 min
Delta R.T.: 0.000 min
Response: 114101930
Conc: 5.90 ng/ml



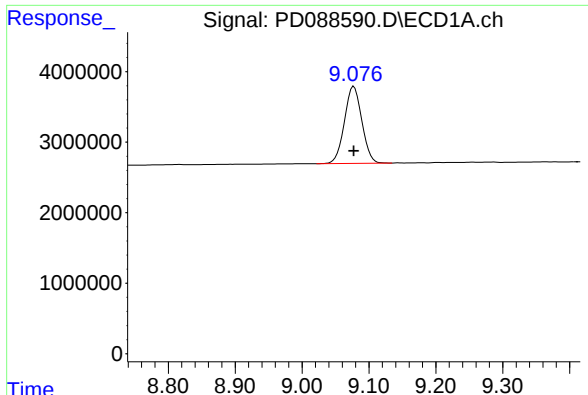
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 15159249
Conc: 5.83 ng/ml



#22 Mirex

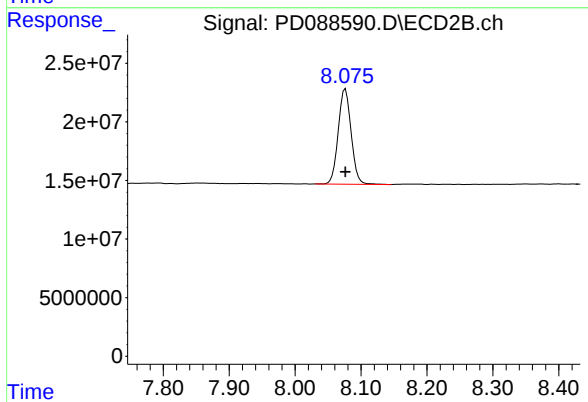
R.T.: 7.189 min
Delta R.T.: 0.000 min
Response: 92799571
Conc: 6.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.000 min
Response: 19763753
Conc: 5.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 110669719
Conc: 6.06 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
 Data File : PD088854.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Jun 2025 09:20
 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: Jun 10 14:12:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.879	51310089	316.0E6	23.714	20.893
28)	SA Decachlor...	9.073	8.072	79873105	418.4E6	23.339	22.917
Target Compounds							
2)	A alpha-BHC	3.997	3.391	48363729	258.9E6	10.125	10.830
3)	MA gamma-BHC...	4.328	3.728	47829753	241.6E6	10.392	10.900
4)	MA Heptachlor	4.933	4.076	332408	772613	0.074	0.034 #
5)	MB Aldrin	0.000	4.362	0	1953626	N.D.	0.089 #
6)	B beta-BHC	4.514	4.024	20619526	107.1E6	11.435	10.991
7)	B delta-BHC	4.756	4.261	1234916	1181982	0.292	0.053 #
8)	B Heptachlo...	5.681	4.884	225510	588390	0.057	0.030 #
9)	A Endosulfan I	0.000	5.228f	0	2491242	N.D.	0.131 #
10)	B gamma-Chl...	5.944	5.124	577982	4528859	0.145	0.212 #
11)	B alpha-Chl...	6.031	5.184	784832	5548309	0.196	0.269 #
12)	B 4,4'-DDE	6.201	5.374	331514	4927393	0.092	0.236 #
13)	MA Dieldrin	6.364	5.512	138520	375924	0.035	0.018 #
14)	MA Endrin	6.574	5.788	184.6E6	940.6E6	54.049	48.774
15)	B Endosulfa...	6.804f	6.085	1383582	1725286	0.402	0.094 #
16)	A 4,4'-DDD	6.704	5.929	3555161	23797435	1.276	1.368
17)	MA 4,4'-DDT	7.021	6.182	341.2E6	1750.2E6	109.295	96.497
18)	B Endrin al...	6.916	6.256	757854	10063490	0.294	0.722 #
20)	A Methoxychlor	7.493	6.753	418.7E6	1854.9E6	250.645	193.722
21)	B Endrin ke...	7.629	6.990	1863647	19621282	0.544	1.014 #
22)	Mirex	0.000	7.176	0	3587557	N.D.	0.236 #
23)	Chlordane-1	0.000	3.931f	0	1447189	N.D.	1.751 #
24)	Chlordane-2	0.000	4.485	0	6319646	N.D.	7.488 #
25)	Chlordane-3	5.944	5.124	577982	4528859	0.781	1.718 #
26)	Chlordane-4	6.031	5.184	784832	5548309	0.876	2.508 #
27)	Chlordane-5	6.869	6.085	272695	1725286	1.792	1.724

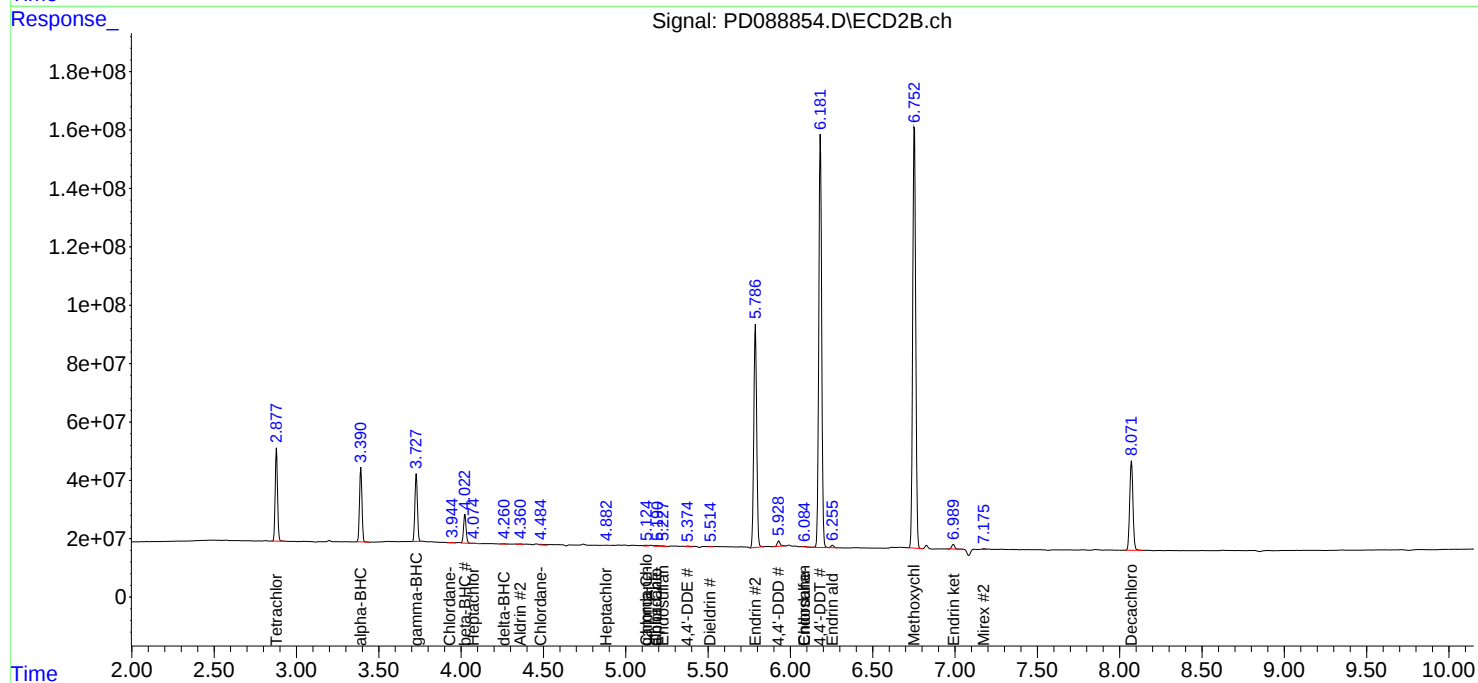
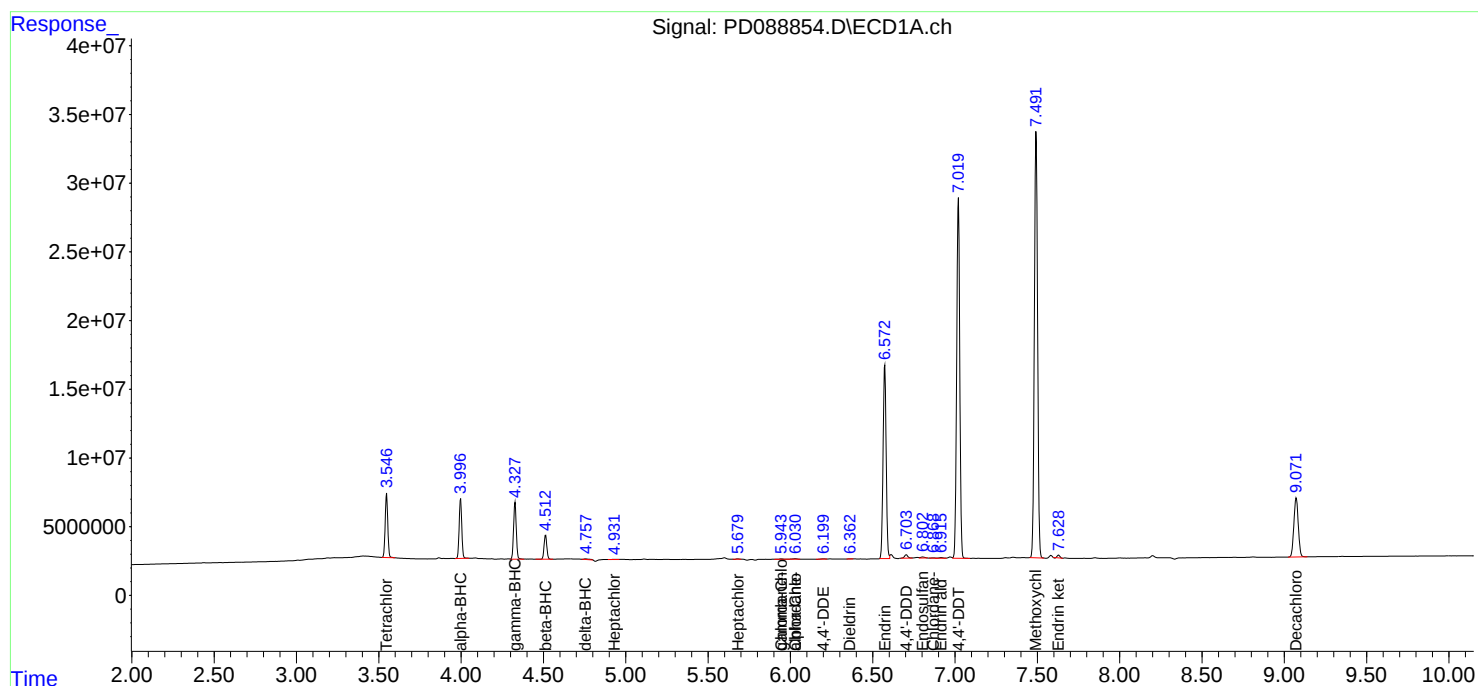
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

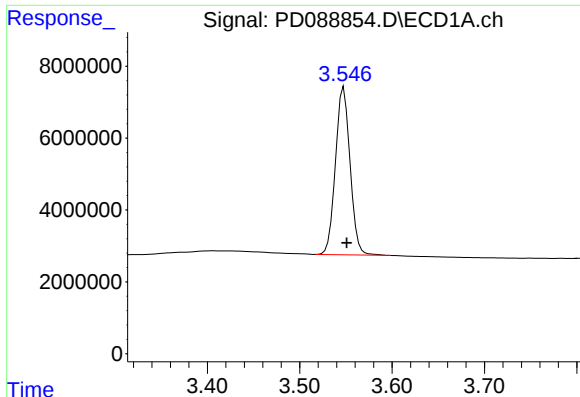
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
Data File : PD088854.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 09:20
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 14:12:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

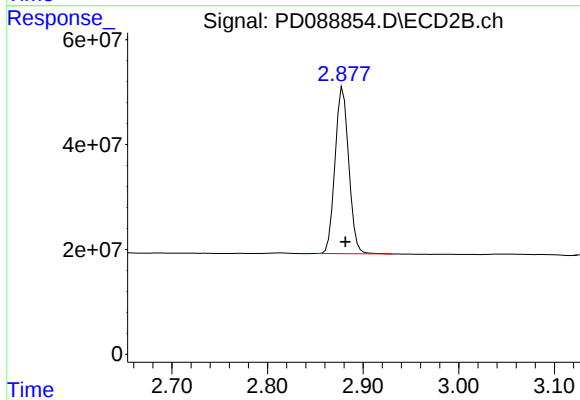




#1 Tetrachloro-m-xylene

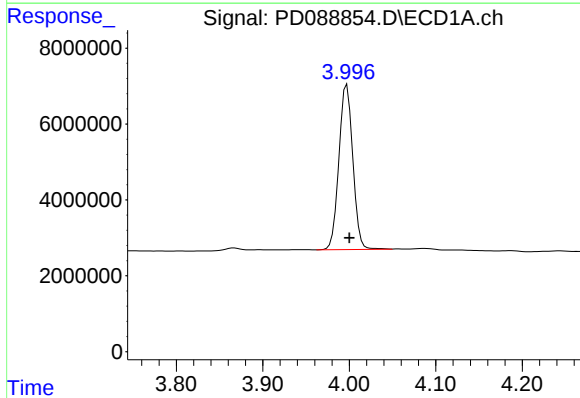
R.T.: 3.548 min
Delta R.T.: -0.003 min
Response: 51310089
Conc: 23.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



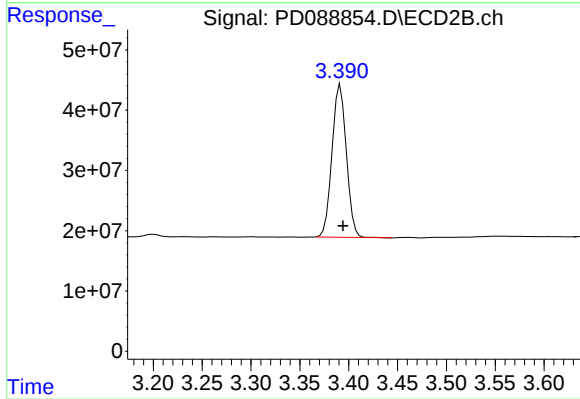
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.003 min
Response: 316039014
Conc: 20.89 ng/ml



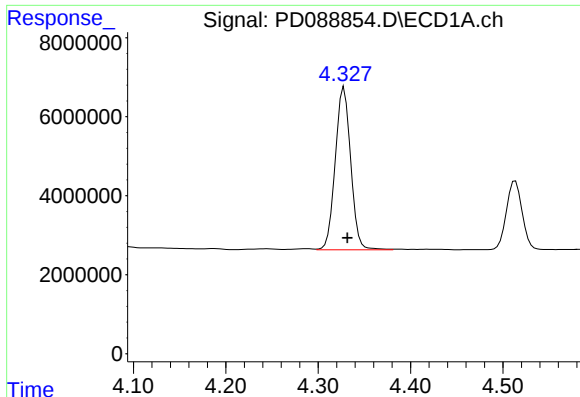
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: -0.003 min
Response: 48363729
Conc: 10.13 ng/ml



#2 alpha-BHC

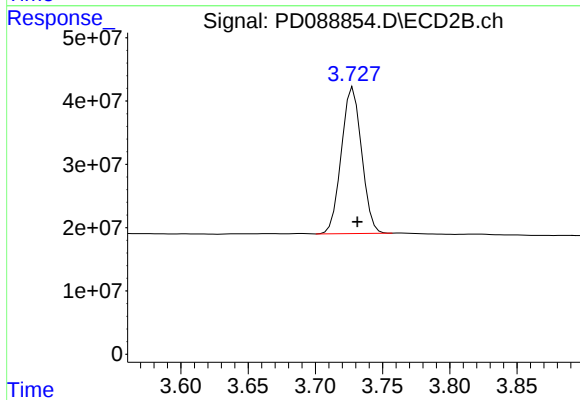
R.T.: 3.391 min
Delta R.T.: -0.003 min
Response: 258870530
Conc: 10.83 ng/ml



#3 gamma-BHC (Lindane)

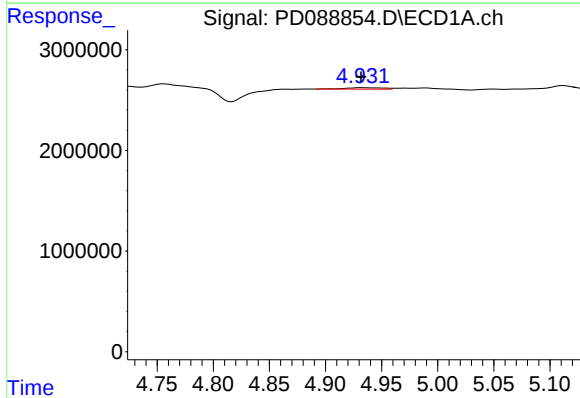
R.T.: 4.328 min
Delta R.T.: -0.003 min
Response: 47829753
Conc: 10.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



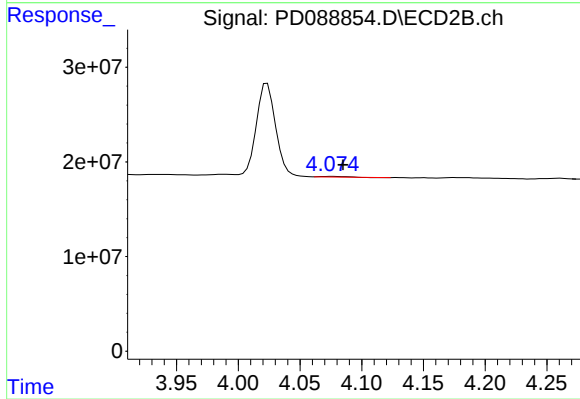
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.003 min
Response: 241612348
Conc: 10.90 ng/ml



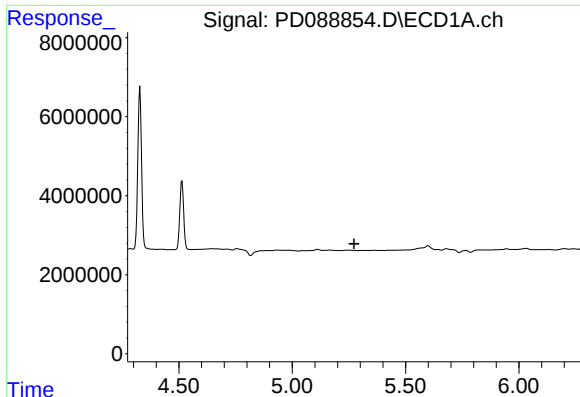
#4 Heptachlor

R.T.: 4.933 min
Delta R.T.: 0.001 min
Response: 332408
Conc: 0.07 ng/ml



#4 Heptachlor

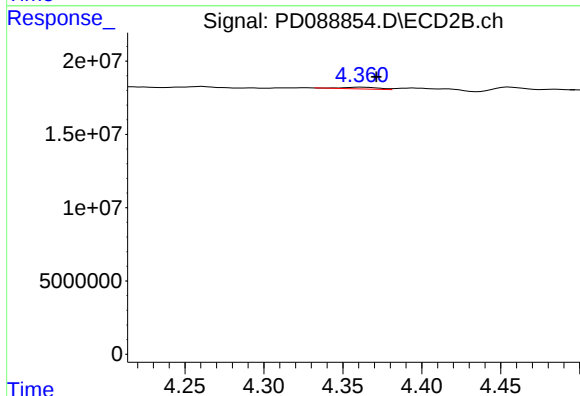
R.T.: 4.076 min
Delta R.T.: -0.009 min
Response: 772613
Conc: 0.03 ng/ml



#5 Aldrin

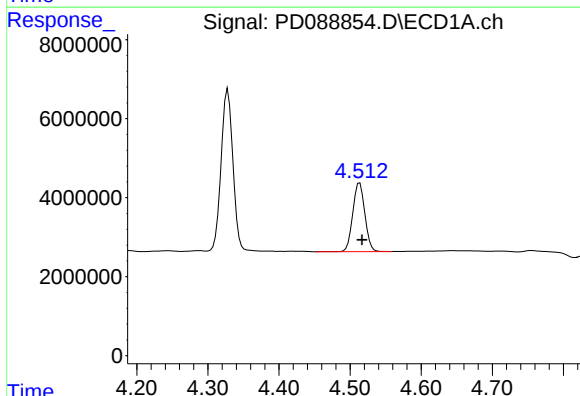
R.T.: 0.000 min
Exp R.T.: 5.273 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



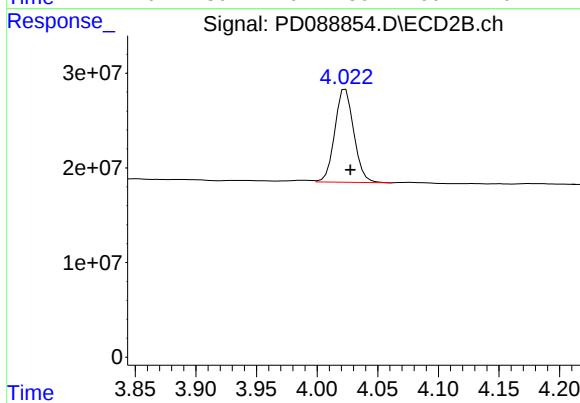
#5 Aldrin

R.T.: 4.362 min
Delta R.T.: -0.010 min
Response: 1953626
Conc: 0.09 ng/ml



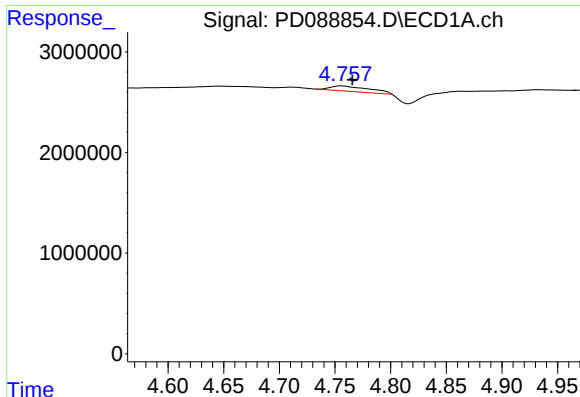
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.003 min
Response: 20619526
Conc: 11.44 ng/ml



#6 beta-BHC

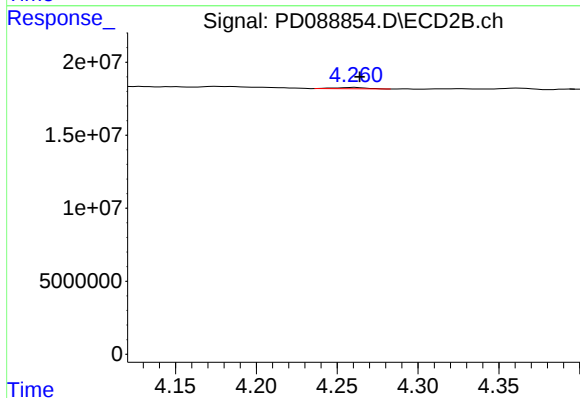
R.T.: 4.024 min
Delta R.T.: -0.004 min
Response: 107076549
Conc: 10.99 ng/ml



#7 delta-BHC

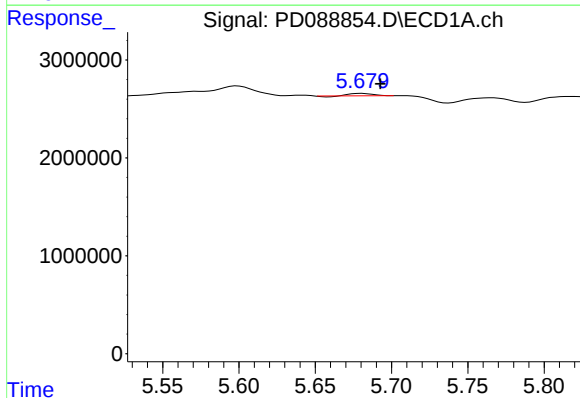
R.T.: 4.756 min
Delta R.T.: -0.009 min
Response: 1234916
Conc: 0.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



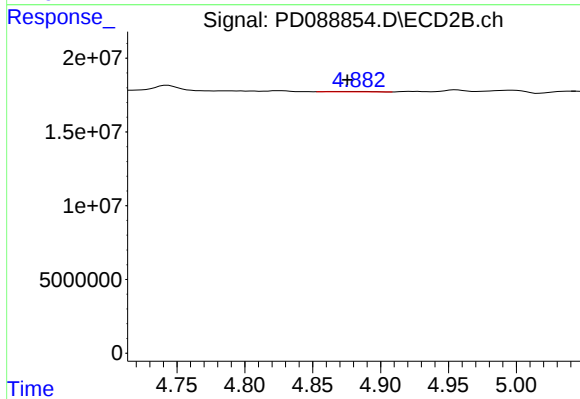
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.003 min
Response: 1181982
Conc: 0.05 ng/ml



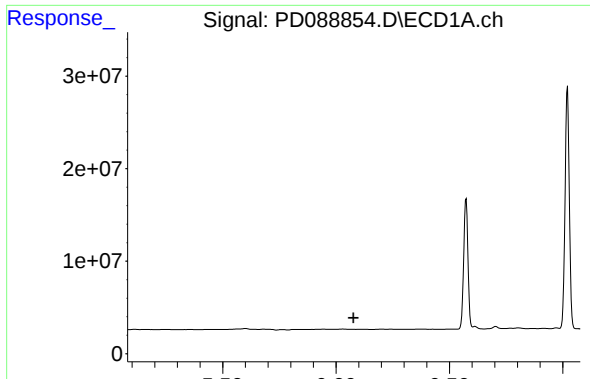
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.012 min
Response: 225510
Conc: 0.06 ng/ml



#8 Heptachlor epoxide

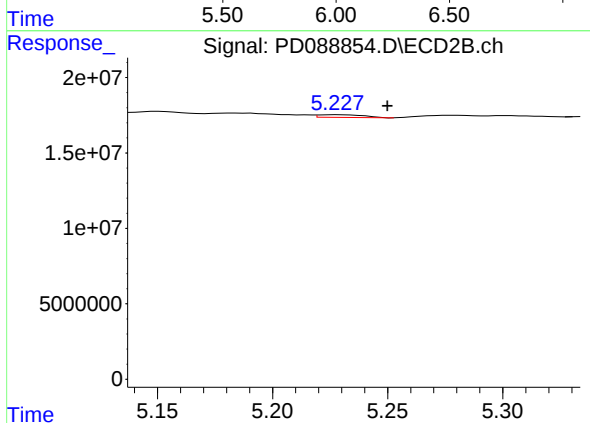
R.T.: 4.884 min
Delta R.T.: 0.008 min
Response: 588390
Conc: 0.03 ng/ml



#9 Endosulfan I

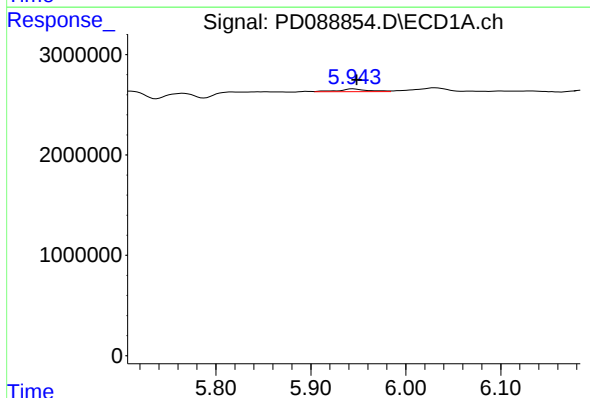
R.T.: 0.000 min
Exp R.T.: 6.077 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



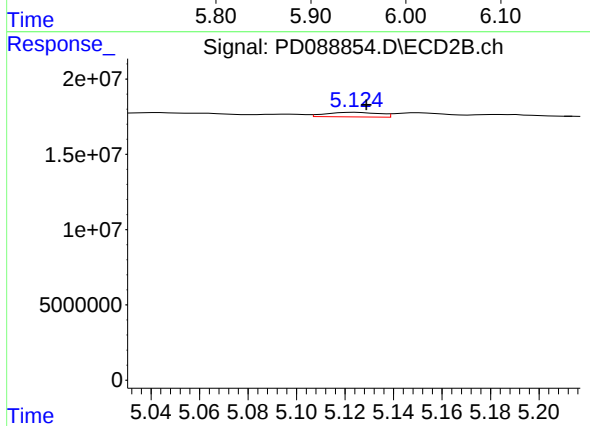
#9 Endosulfan I

R.T.: 5.228 min
Delta R.T.: -0.022 min
Response: 2491242
Conc: 0.13 ng/ml



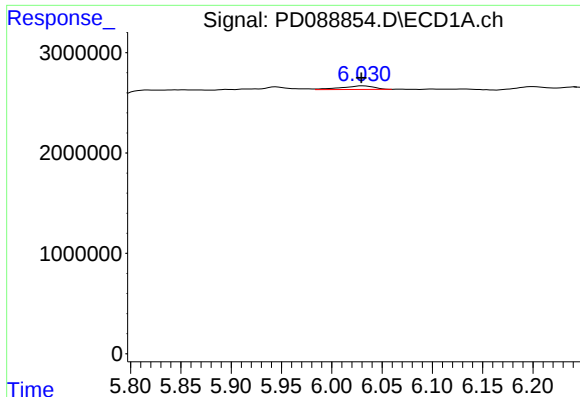
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: -0.004 min
Response: 577982
Conc: 0.14 ng/ml



#10 gamma-Chlordane

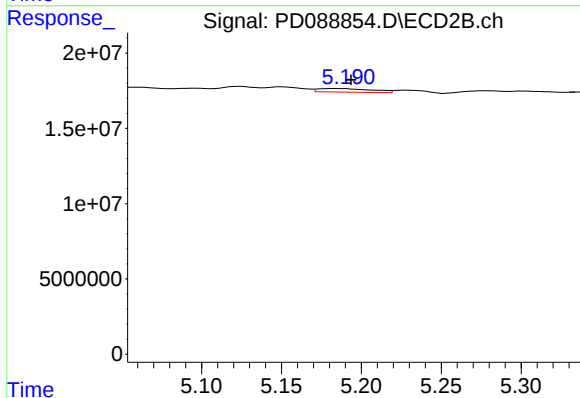
R.T.: 5.124 min
Delta R.T.: -0.005 min
Response: 4528859
Conc: 0.21 ng/ml



#11 alpha-Chlordane

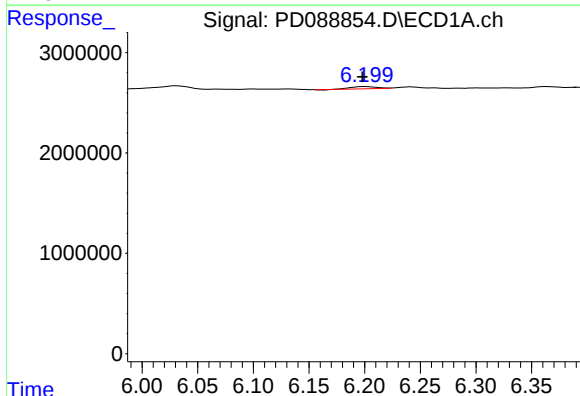
R.T.: 6.031 min
Delta R.T.: 0.001 min
Response: 784832
Conc: 0.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



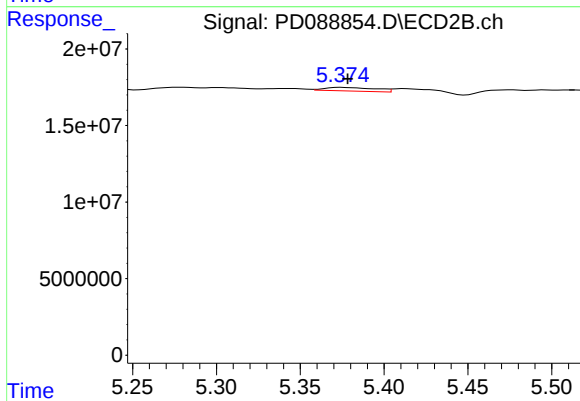
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.010 min
Response: 5548309
Conc: 0.27 ng/ml



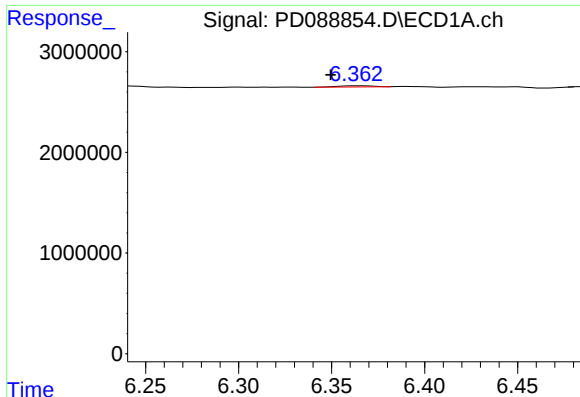
#12 4,4'-DDE

R.T.: 6.201 min
Delta R.T.: 0.003 min
Response: 331514
Conc: 0.09 ng/ml



#12 4,4'-DDE

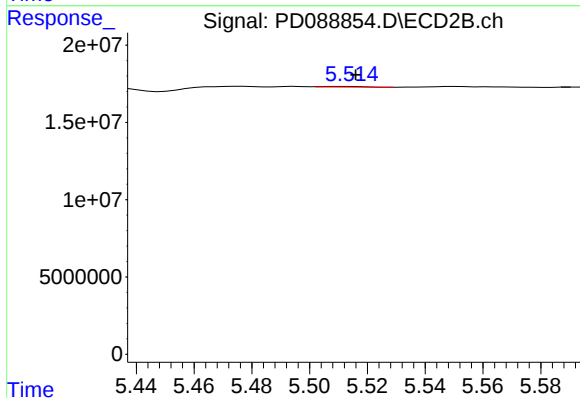
R.T.: 5.374 min
Delta R.T.: -0.004 min
Response: 4927393
Conc: 0.24 ng/ml



#13 Dieldrin

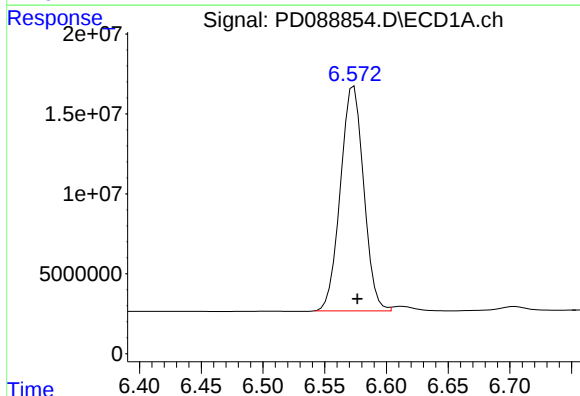
R.T.: 6.364 min
Delta R.T.: 0.015 min
Response: 138520
Conc: 0.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



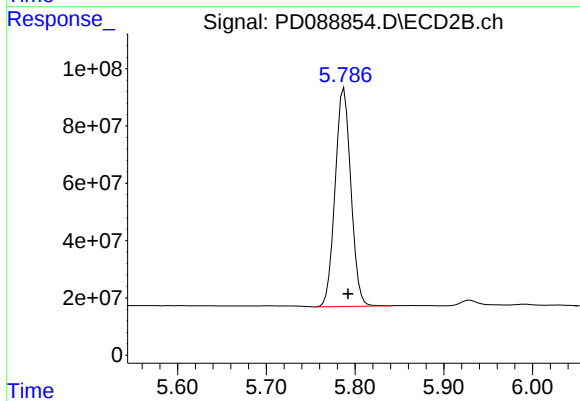
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: -0.004 min
Response: 375924
Conc: 0.02 ng/ml



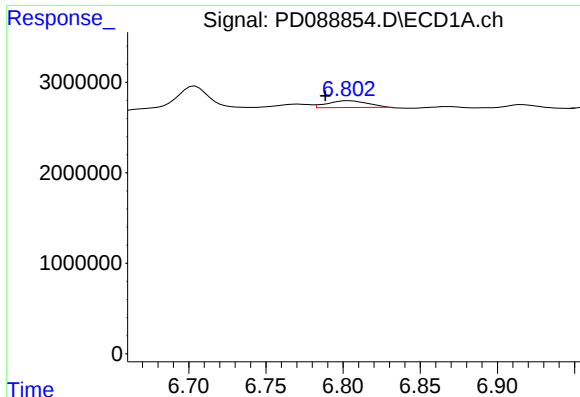
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.003 min
Response: 184586643
Conc: 54.05 ng/ml



#14 Endrin

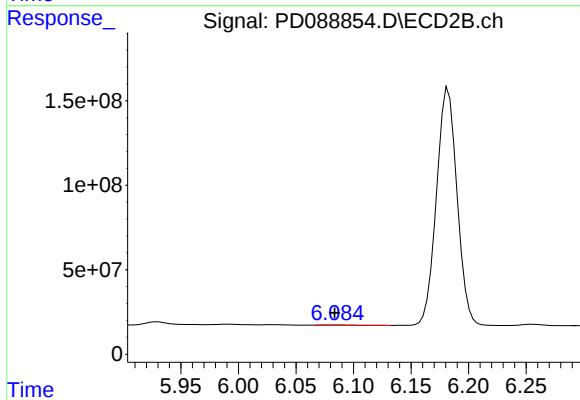
R.T.: 5.788 min
Delta R.T.: -0.005 min
Response: 940560757
Conc: 48.77 ng/ml



#15 Endosulfan II

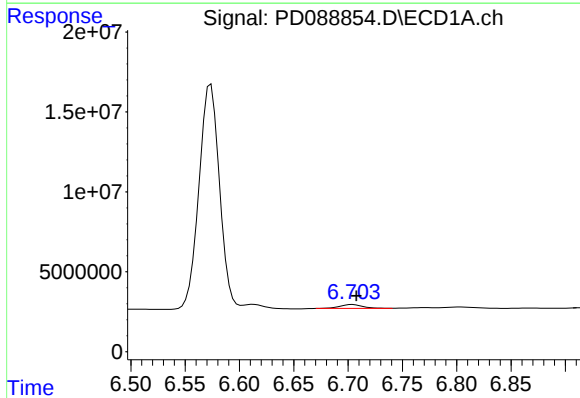
R.T.: 6.804 min
Delta R.T.: 0.015 min
Response: 1383582
Conc: 0.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



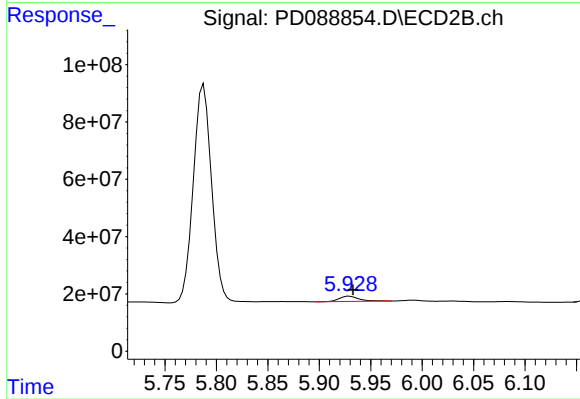
#15 Endosulfan II

R.T.: 6.085 min
Delta R.T.: 0.000 min
Response: 1725286
Conc: 0.09 ng/ml



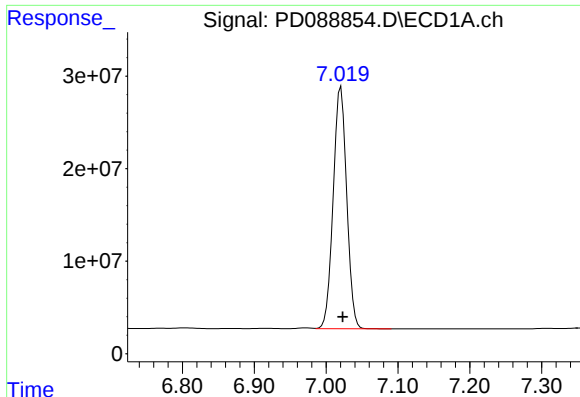
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.003 min
Response: 3555161
Conc: 1.28 ng/ml



#16 4,4'-DDD

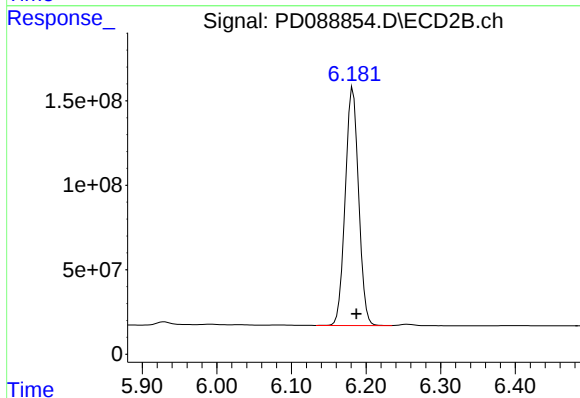
R.T.: 5.929 min
Delta R.T.: -0.003 min
Response: 23797435
Conc: 1.37 ng/ml



#17 4,4'-DDT

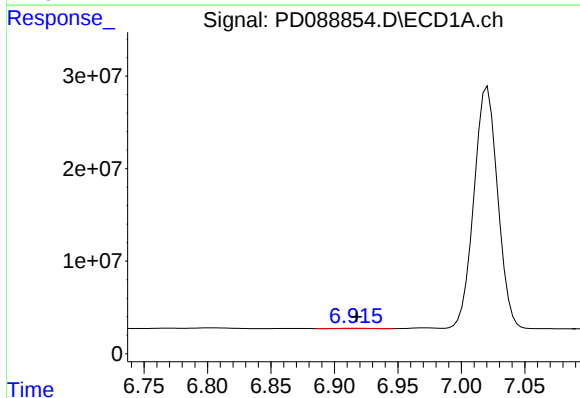
R.T.: 7.021 min
Delta R.T.: -0.003 min
Response: 341222778
Conc: 109.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



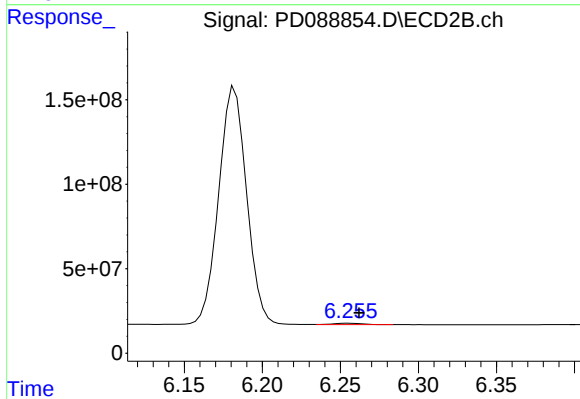
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.005 min
Response: 1750194723
Conc: 96.50 ng/ml



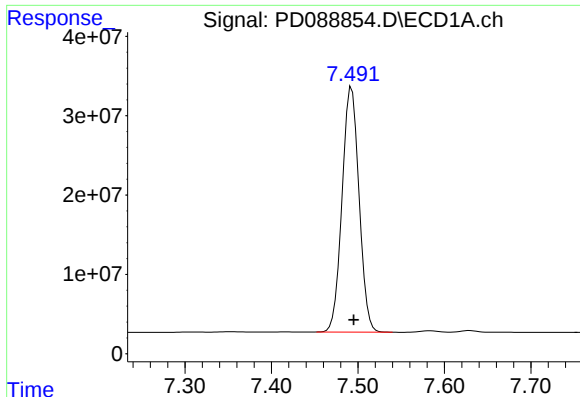
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: -0.001 min
Response: 757854
Conc: 0.29 ng/ml



#18 Endrin aldehyde

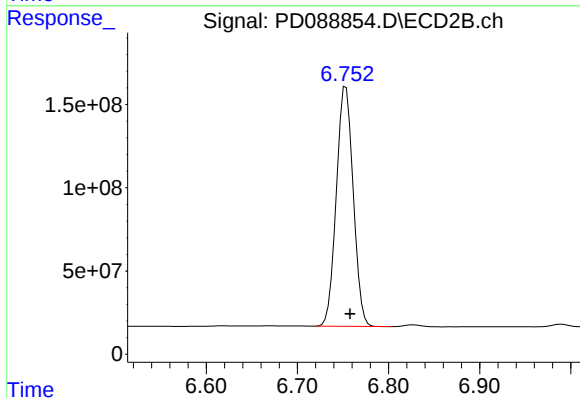
R.T.: 6.256 min
Delta R.T.: -0.006 min
Response: 10063490
Conc: 0.72 ng/ml



#20 Methoxychlor

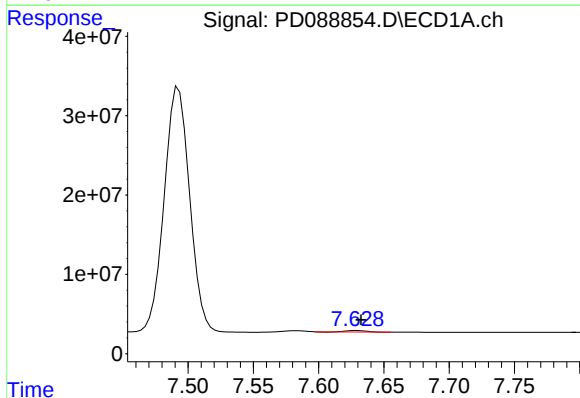
R.T.: 7.493 min
Delta R.T.: -0.003 min
Response: 418715120
Conc: 250.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



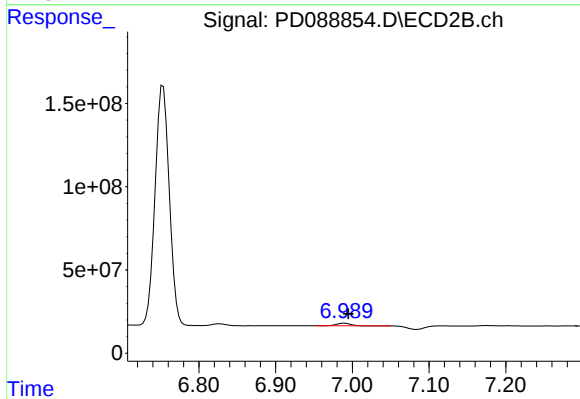
#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.005 min
Response: 1854852706
Conc: 193.72 ng/ml



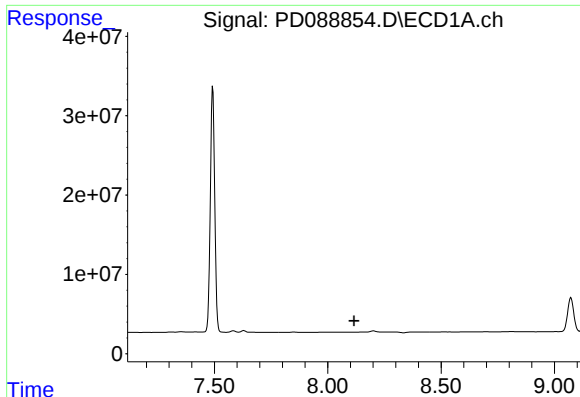
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: -0.003 min
Response: 1863647
Conc: 0.54 ng/ml



#21 Endrin ketone

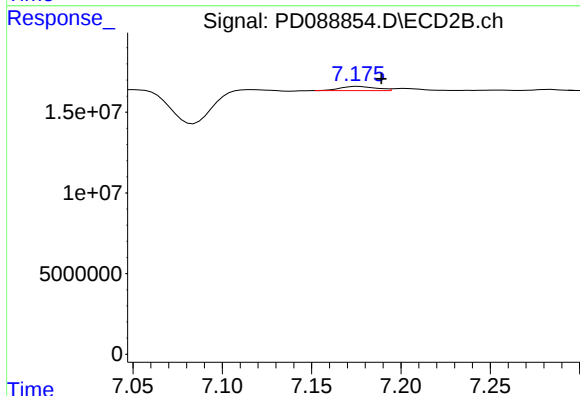
R.T.: 6.990 min
Delta R.T.: -0.005 min
Response: 19621282
Conc: 1.01 ng/ml



#22 Mirex

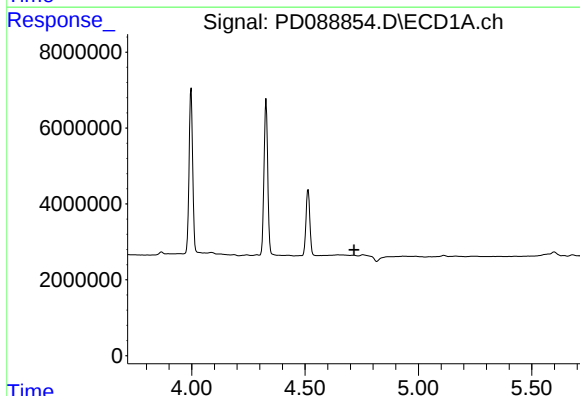
R.T.: 0.000 min
Exp R.T.: 8.117 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



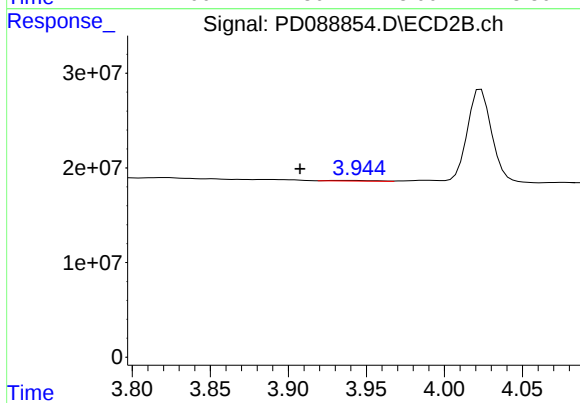
#22 Mirex

R.T.: 7.176 min
Delta R.T.: -0.013 min
Response: 3587557
Conc: 0.24 ng/ml



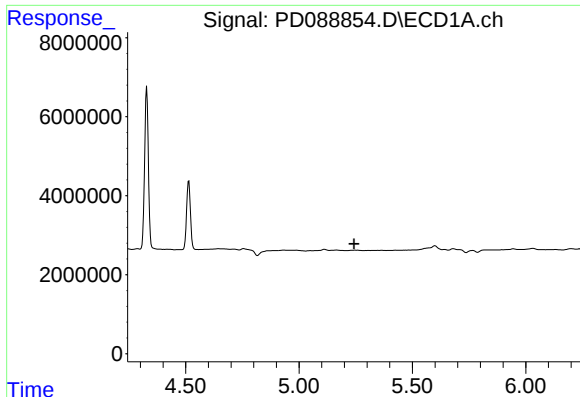
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T.: 4.717 min
Response: 0
Conc: N.D.



#23 Chlordane-1

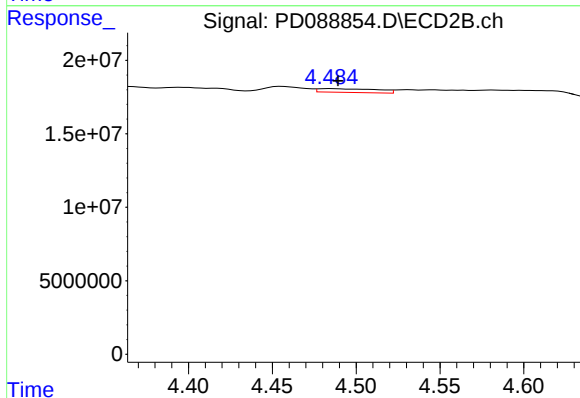
R.T.: 3.931 min
Delta R.T.: 0.023 min
Response: 1447189
Conc: 1.75 ng/ml



#24 Chlordane-2

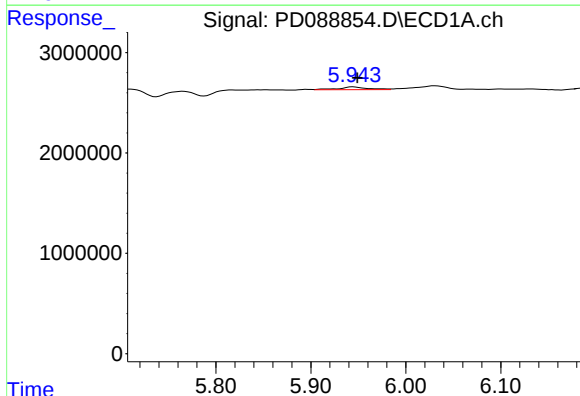
R.T.: 0.000 min
Exp R.T.: 5.244 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



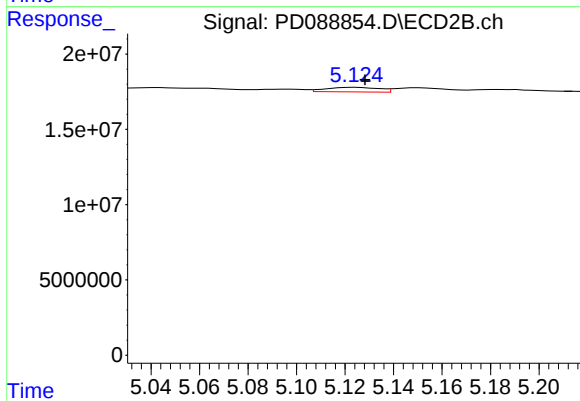
#24 Chlordane-2

R.T.: 4.485 min
Delta R.T.: -0.004 min
Response: 6319646
Conc: 7.49 ng/ml



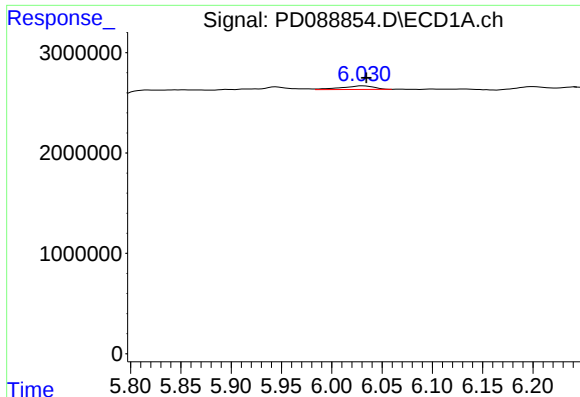
#25 Chlordane-3

R.T.: 5.944 min
Delta R.T.: -0.004 min
Response: 577982
Conc: 0.78 ng/ml



#25 Chlordane-3

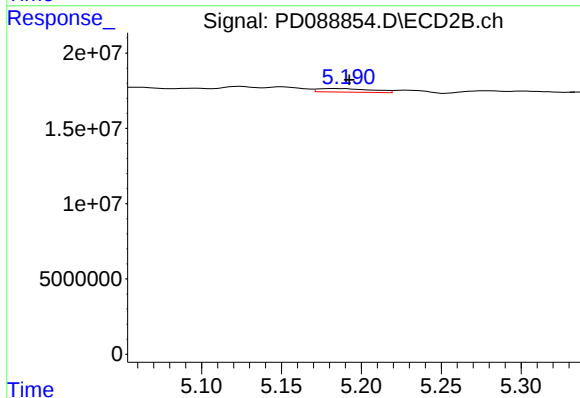
R.T.: 5.124 min
Delta R.T.: -0.004 min
Response: 4528859
Conc: 1.72 ng/ml



#26 Chlordane-4

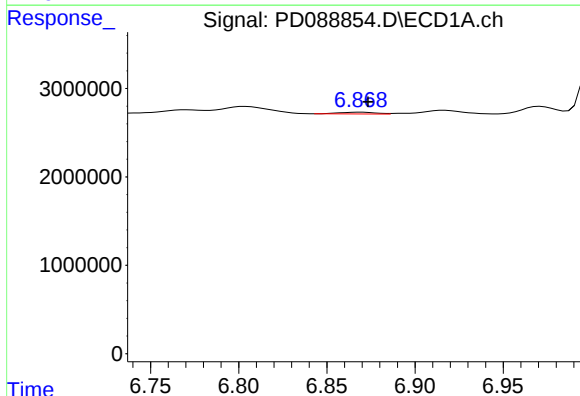
R.T.: 6.031 min
Delta R.T.: -0.003 min
Response: 784832
Conc: 0.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



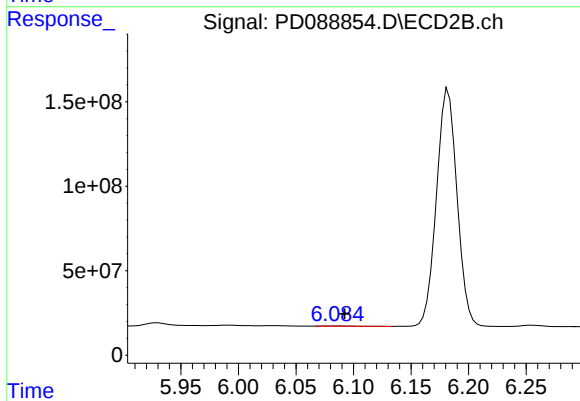
#26 Chlordane-4

R.T.: 5.184 min
Delta R.T.: -0.009 min
Response: 5548309
Conc: 2.51 ng/ml



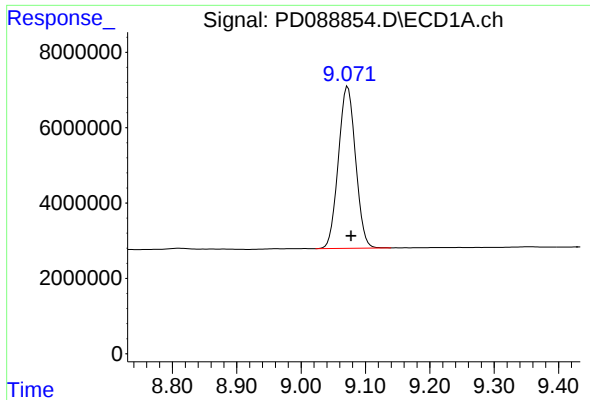
#27 Chlordane-5

R.T.: 6.869 min
Delta R.T.: -0.004 min
Response: 272695
Conc: 1.79 ng/ml



#27 Chlordane-5

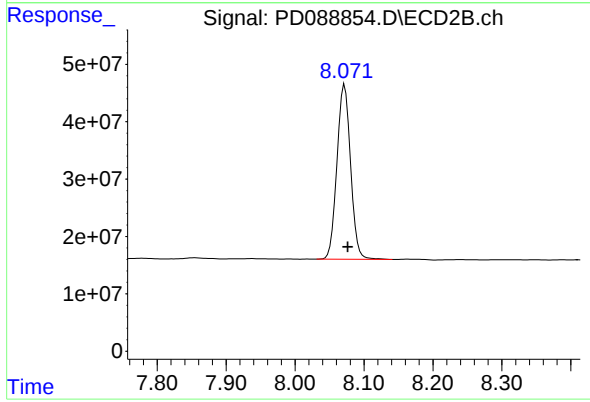
R.T.: 6.085 min
Delta R.T.: -0.008 min
Response: 1725286
Conc: 1.72 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.005 min
Response: 79873105
Conc: 23.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: -0.005 min
Response: 418378382
Conc: 22.92 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
 Data File : PD088866.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Jun 2025 14:49
 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: Jun 10 15:02:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.880	123.5E6	734.7E6	57.070	48.570
28)	SA Decachlor...	9.073	8.073	175.6E6	908.2E6	51.321	49.746
Target Compounds							
2)	A alpha-BHC	3.998	3.393	258.2E6	1169.6E6	54.049	48.928
3)	MA gamma-BHC...	4.329	3.729	245.4E6	1082.1E6	53.322	48.817
4)	MA Heptachlor	4.928	4.083	239.7E6	1083.0E6	53.600	48.230
5)	MB Aldrin	5.270	4.369	233.5E6	1072.4E6	53.124	48.900
6)	B beta-BHC	4.514	4.025	95291836	467.7E6	52.847	48.006
7)	B delta-BHC	4.763	4.262	238.1E6	1092.2E6	56.340	48.988
8)	B Heptachlo...	5.690	4.872	207.8E6	958.8E6	52.346	48.250
9)	A Endosulfan I	6.074	5.247	196.0E6	906.0E6	52.080	47.740
10)	B gamma-Chl...	5.945	5.125	210.4E6	1031.6E6	52.752	48.358
11)	B alpha-Chl...	6.026	5.190	211.3E6	992.7E6	52.746	48.132
12)	B 4,4'-DDE	6.195	5.375	191.0E6	1021.4E6	53.208	48.862
13)	MA Dieldrin	6.346	5.513	209.7E6	1019.6E6	52.266	48.450
14)	MA Endrin	6.574	5.789	176.7E6	924.6E6	51.735	47.944
15)	B Endosulfa...	6.786	6.080	176.2E6	891.1E6	51.155	48.637
16)	A 4,4'-DDD	6.704	5.930	150.9E6	854.6E6	54.198	49.135
17)	MA 4,4'-DDT	7.021	6.184	164.0E6	891.2E6	52.530	49.136
18)	B Endrin al...	6.915	6.259	128.1E6	653.8E6	49.759	46.939
19)	B Endosulfa...	7.149	6.482	165.1E6	860.8E6	51.545	48.479
20)	A Methoxychlor	7.493	6.755	85933626	464.9E6	51.440	48.553
21)	B Endrin ke...	7.630	6.992	178.6E6	959.0E6	52.182	49.568
22)	Mirex	8.114	7.186	131.6E6	740.8E6	50.641	48.730
23)	Chlordane-1	0.000	3.901	0	661859	N.D.	0.801 #
24)	Chlordane-2	5.270f	4.507	233.5E6	35261219	1272.182	41.778 #
25)	Chlordane-3	5.945	5.125	210.4E6	1031.6E6	284.393	391.220 #
26)	Chlordane-4	6.026	5.190	211.3E6	992.7E6	235.793	448.690 #
27)	Chlordane-5	0.000	6.080	0	891.1E6	N.D.	890.360 #

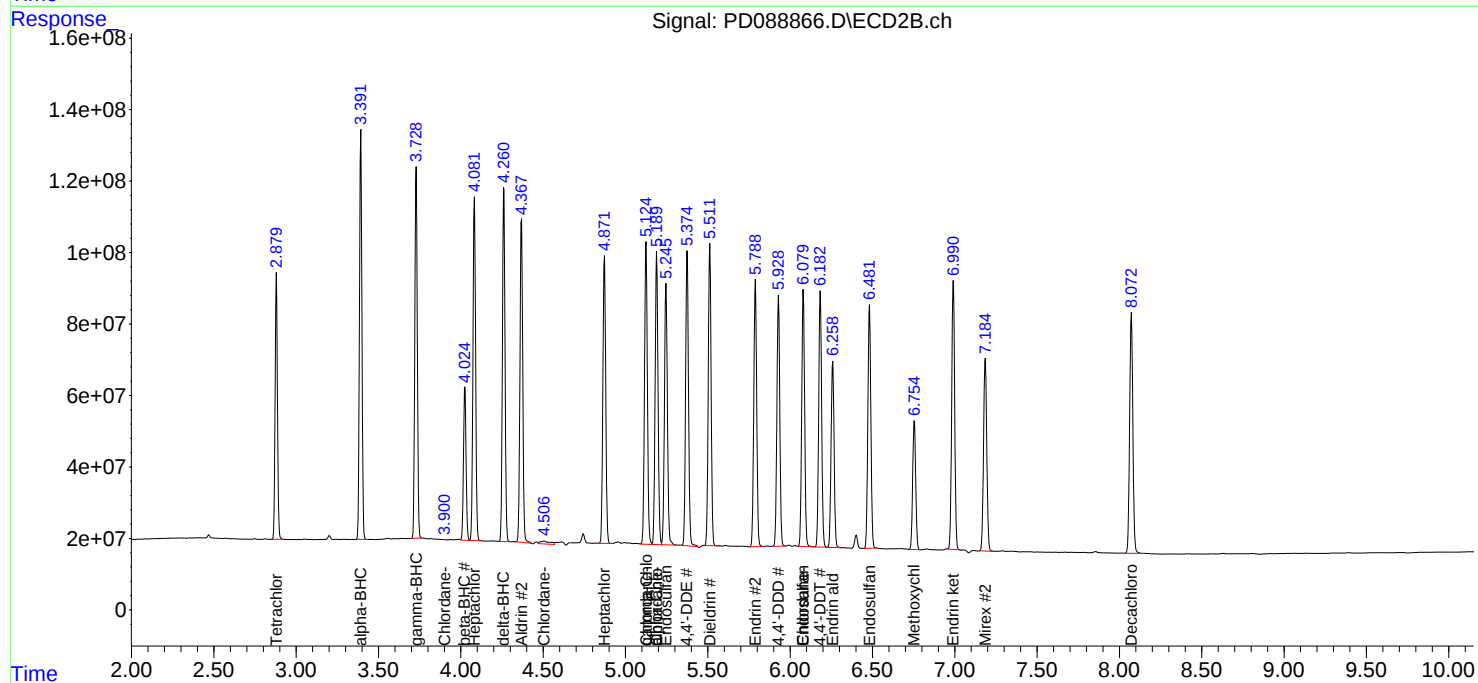
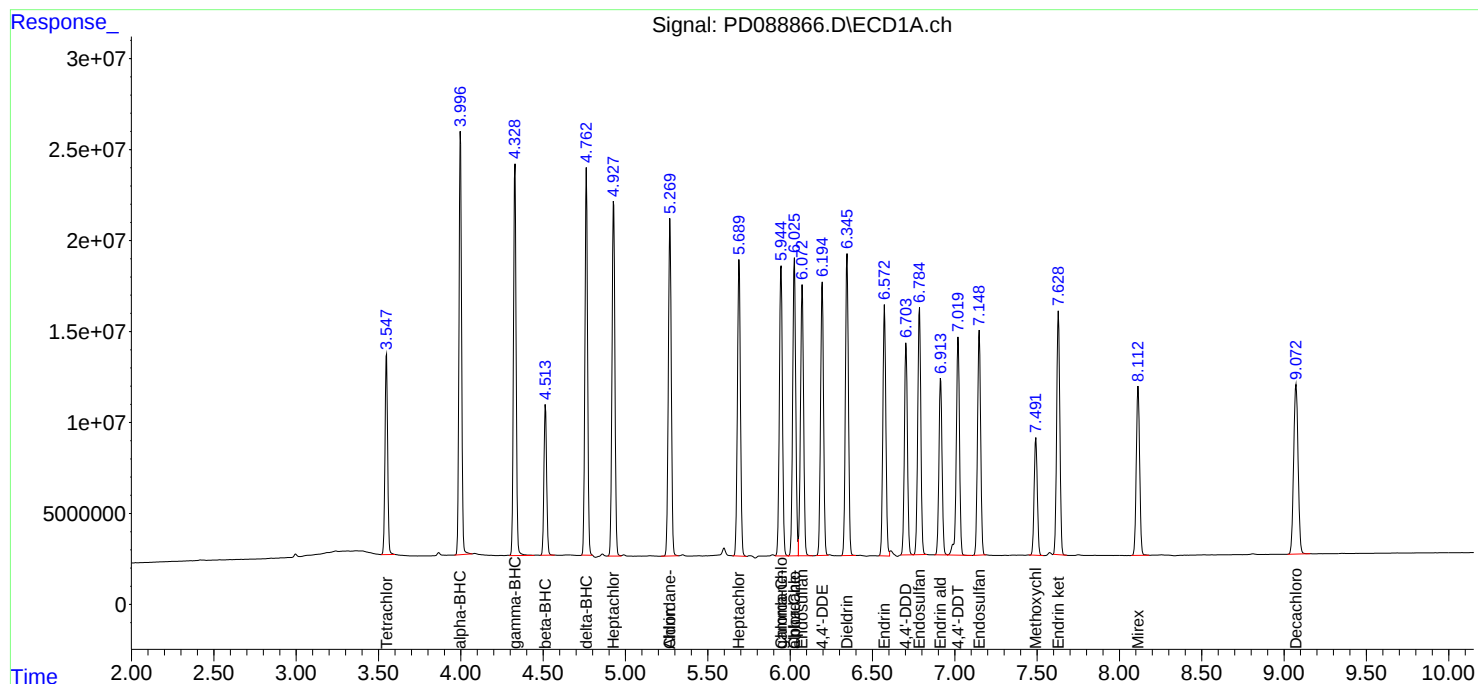
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

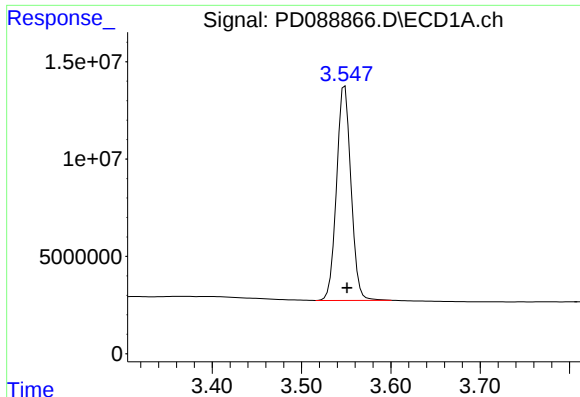
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
Data File : PD088866.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 14:49
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 10 15:02:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

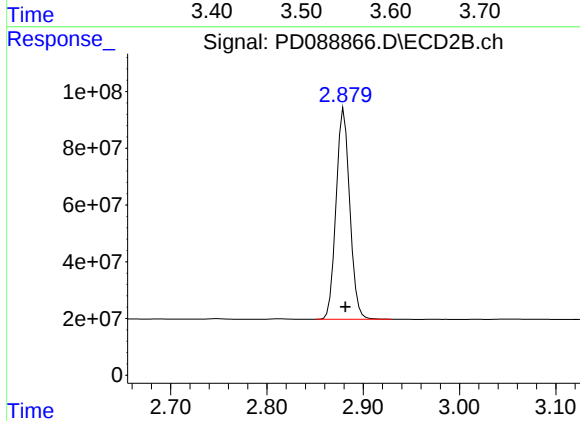




#1 Tetrachloro-m-xylene

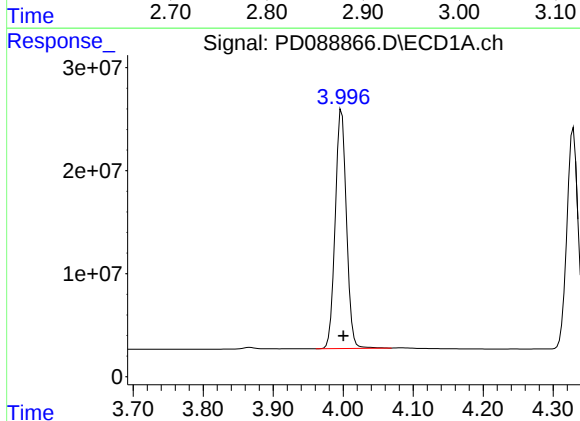
R.T.: 3.548 min
Delta R.T.: -0.003 min
Response: 123485466
Conc: 57.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



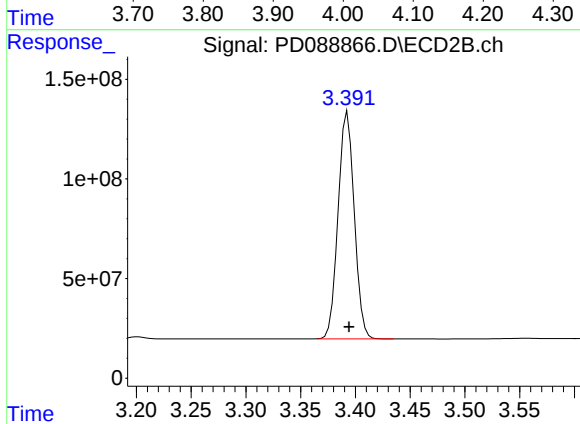
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.001 min
Response: 734706748
Conc: 48.57 ng/ml



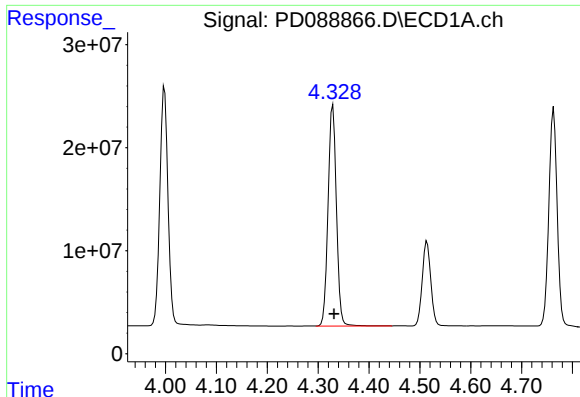
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.003 min
Response: 258168497
Conc: 54.05 ng/ml



#2 alpha-BHC

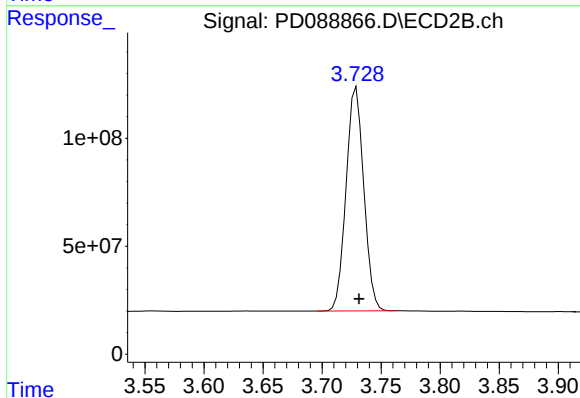
R.T.: 3.393 min
Delta R.T.: -0.002 min
Response: 1169554634
Conc: 48.93 ng/ml



#3 gamma-BHC (Lindane)

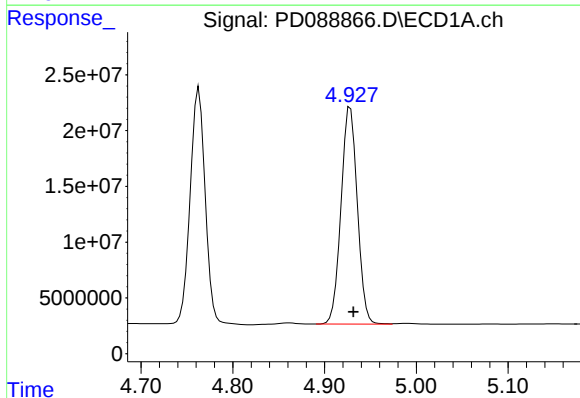
R.T.: 4.329 min
Delta R.T.: -0.003 min
Response: 245426953
Conc: 53.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



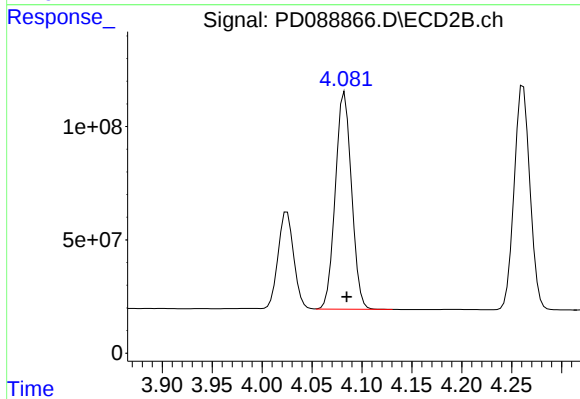
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: -0.002 min
Response: 1082064329
Conc: 48.82 ng/ml



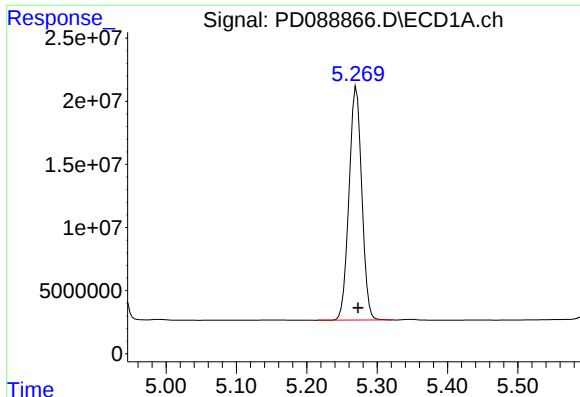
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: -0.004 min
Response: 239659372
Conc: 53.60 ng/ml



#4 Heptachlor

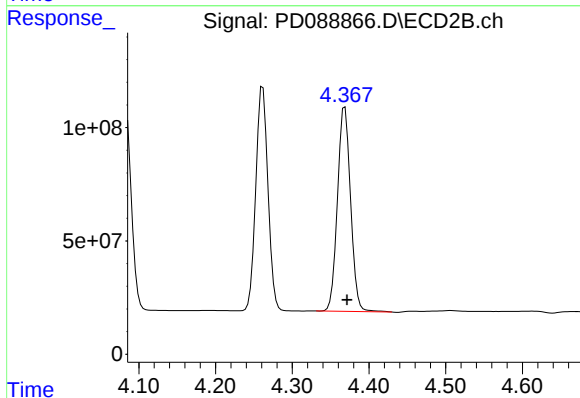
R.T.: 4.083 min
Delta R.T.: -0.002 min
Response: 1083006796
Conc: 48.23 ng/ml



#5 Aldrin

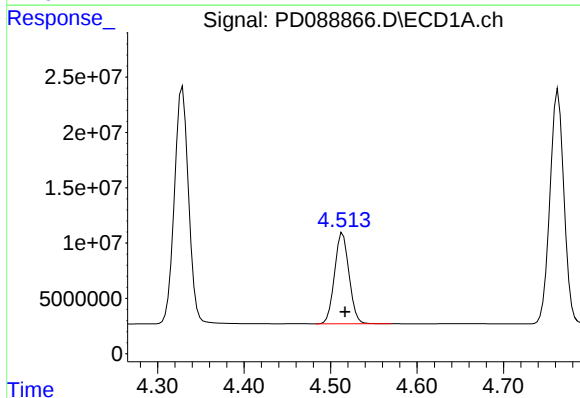
R.T.: 5.270 min
Delta R.T.: -0.003 min
Response: 233452268
Conc: 53.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



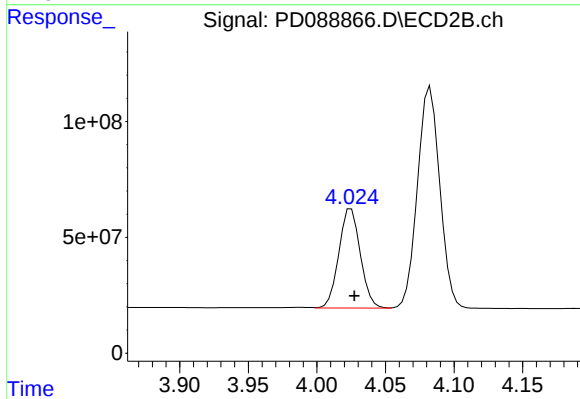
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: -0.003 min
Response: 1072367569
Conc: 48.90 ng/ml



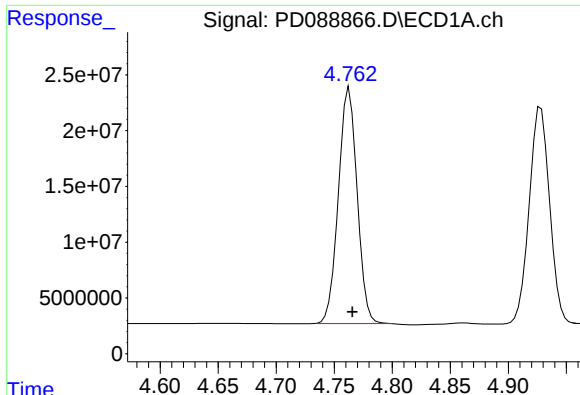
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.003 min
Response: 95291836
Conc: 52.85 ng/ml



#6 beta-BHC

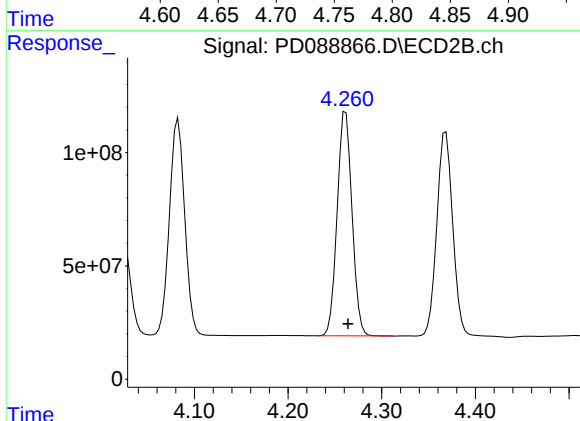
R.T.: 4.025 min
Delta R.T.: -0.002 min
Response: 467669930
Conc: 48.01 ng/ml



#7 delta-BHC

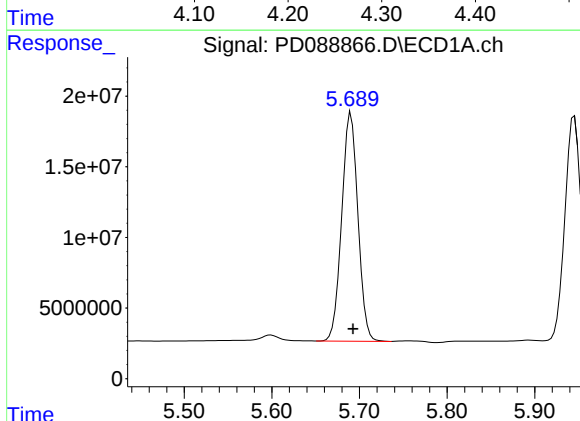
R.T.: 4.763 min
Delta R.T.: -0.003 min
Response: 238099136
Conc: 56.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



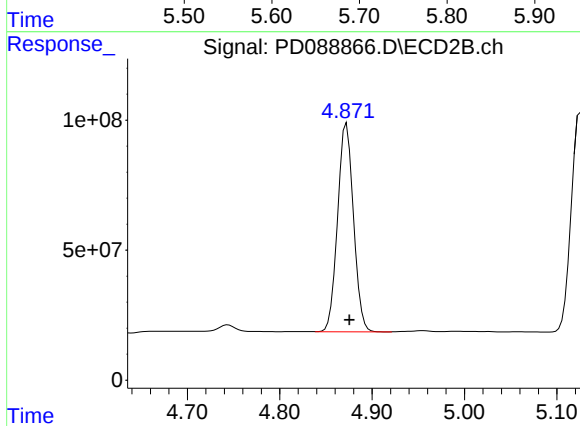
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: -0.002 min
Response: 1092150817
Conc: 48.99 ng/ml



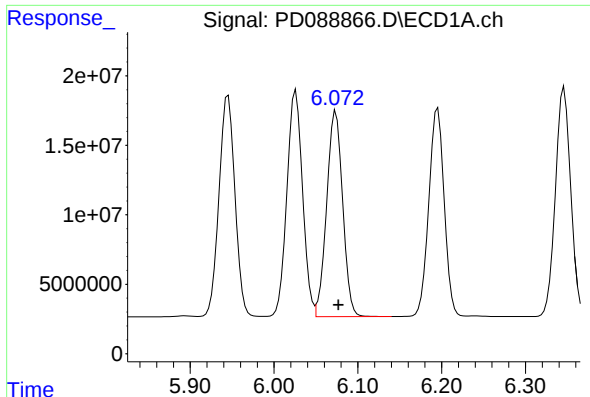
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: -0.002 min
Response: 207777767
Conc: 52.35 ng/ml



#8 Heptachlor epoxide

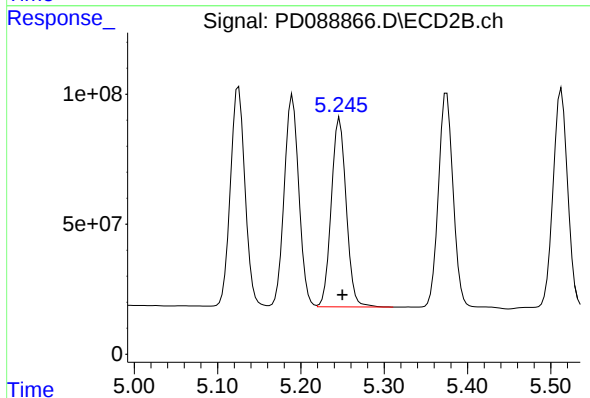
R.T.: 4.872 min
Delta R.T.: -0.003 min
Response: 958795077
Conc: 48.25 ng/ml



#9 Endosulfan I

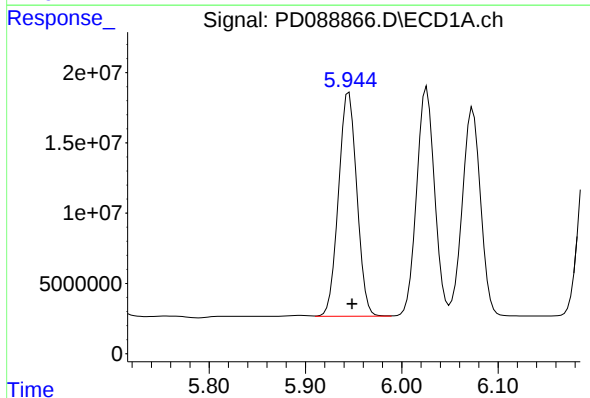
R.T.: 6.074 min
Delta R.T.: -0.003 min
Response: 195972483
Conc: 52.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



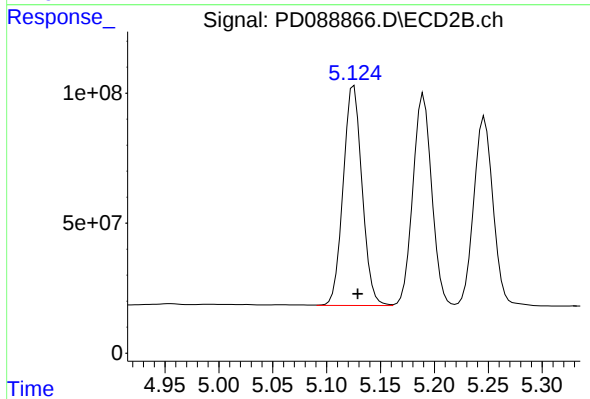
#9 Endosulfan I

R.T.: 5.247 min
Delta R.T.: -0.003 min
Response: 906030638
Conc: 47.74 ng/ml



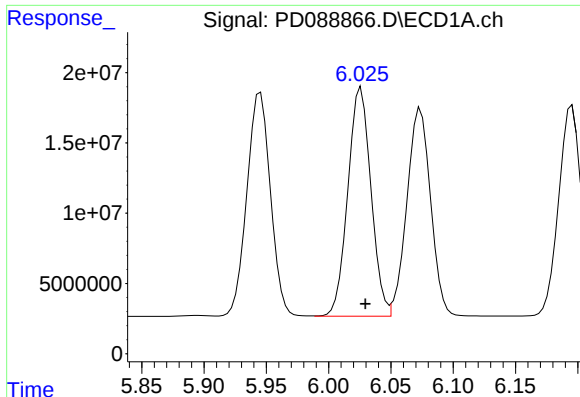
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: -0.003 min
Response: 210423248
Conc: 52.75 ng/ml



#10 gamma-Chlordane

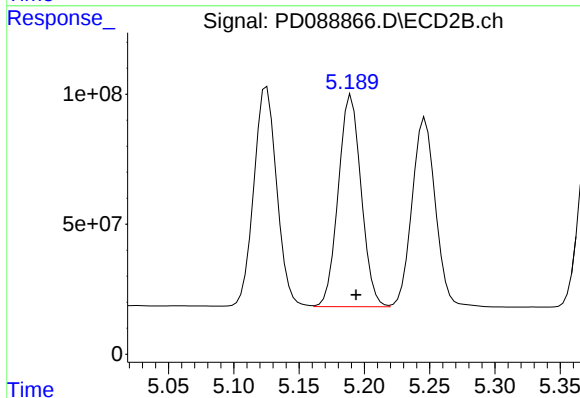
R.T.: 5.125 min
Delta R.T.: -0.004 min
Response: 1031582198
Conc: 48.36 ng/ml



#11 alpha-Chlordane

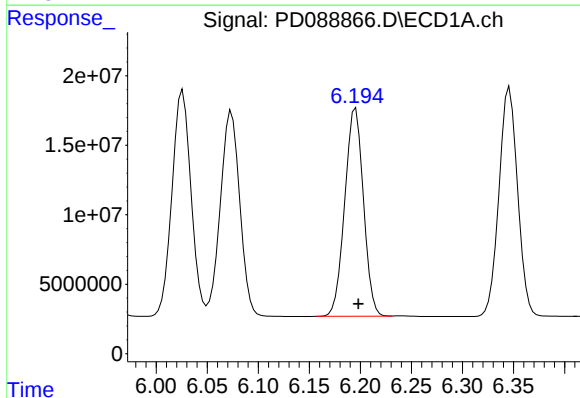
R.T.: 6.026 min
Delta R.T.: -0.004 min
Response: 211313906
Conc: 52.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



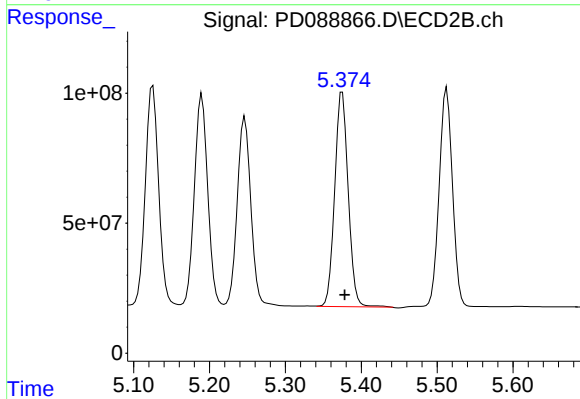
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: -0.004 min
Response: 992723763
Conc: 48.13 ng/ml



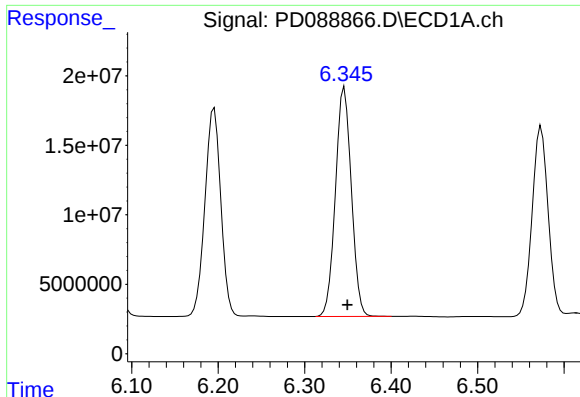
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: -0.003 min
Response: 190983970
Conc: 53.21 ng/ml



#12 4,4'-DDE

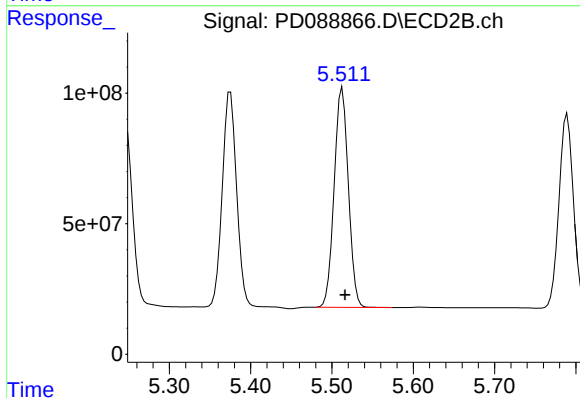
R.T.: 5.375 min
Delta R.T.: -0.003 min
Response: 1021357151
Conc: 48.86 ng/ml



#13 Dieldrin

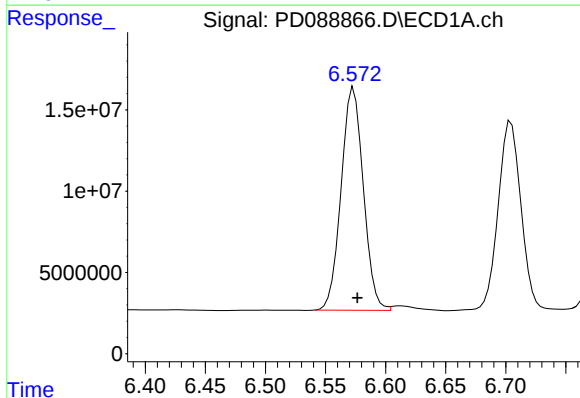
R.T.: 6.346 min
Delta R.T.: -0.003 min
Response: 209676526
Conc: 52.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



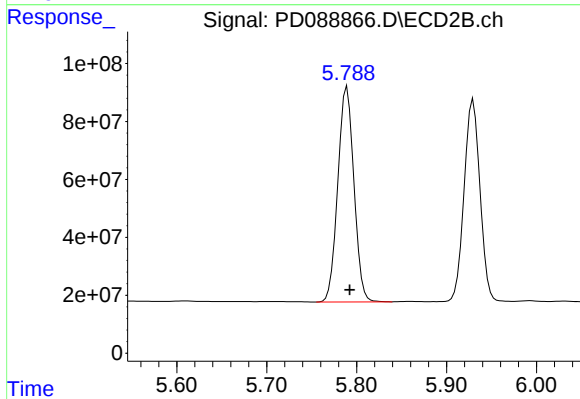
#13 Dieldrin

R.T.: 5.513 min
Delta R.T.: -0.003 min
Response: 1019586709
Conc: 48.45 ng/ml



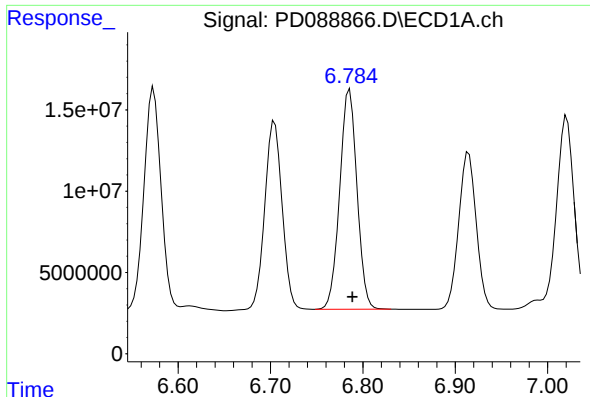
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.003 min
Response: 176685822
Conc: 51.74 ng/ml



#14 Endrin

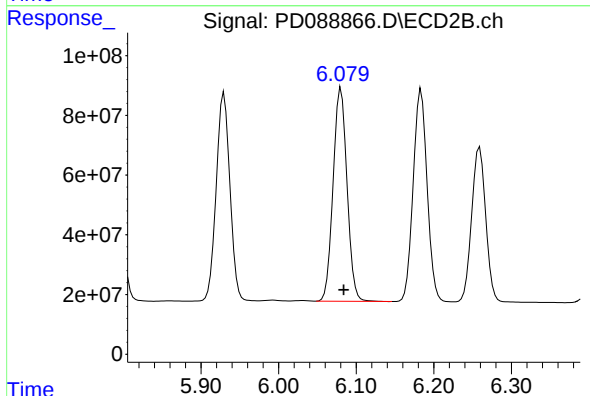
R.T.: 5.789 min
Delta R.T.: -0.003 min
Response: 924553258
Conc: 47.94 ng/ml



#15 Endosulfan II

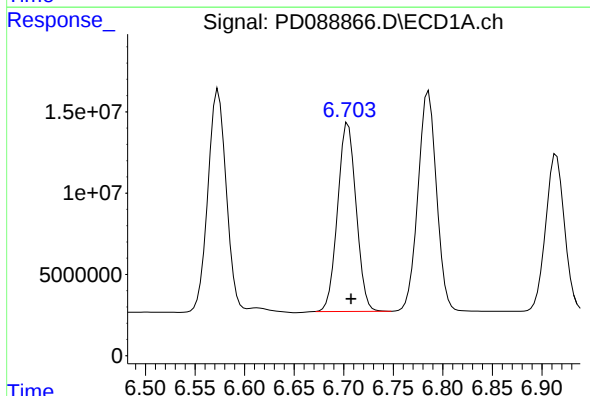
R.T.: 6.786 min
Delta R.T.: -0.003 min
Response: 176156303
Conc: 51.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



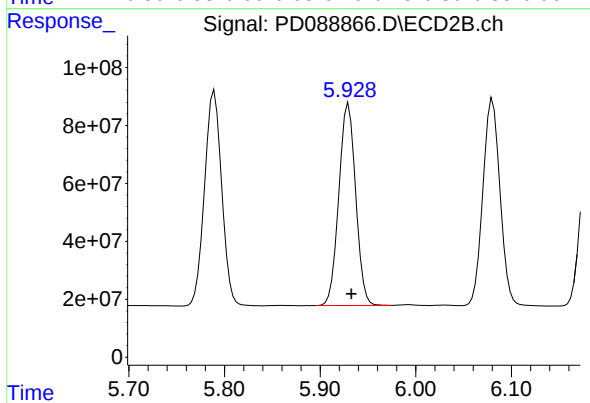
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: -0.003 min
Response: 891120491
Conc: 48.64 ng/ml



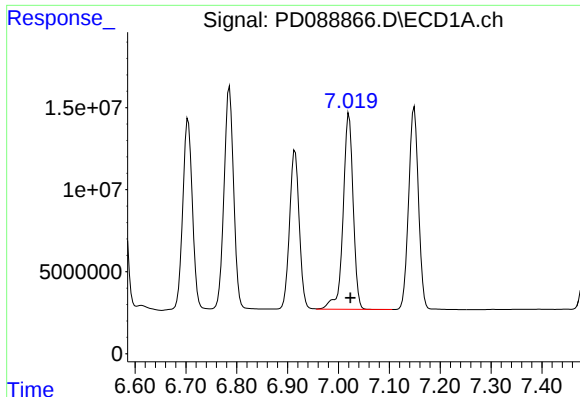
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.003 min
Response: 150946578
Conc: 54.20 ng/ml



#16 4,4'-DDD

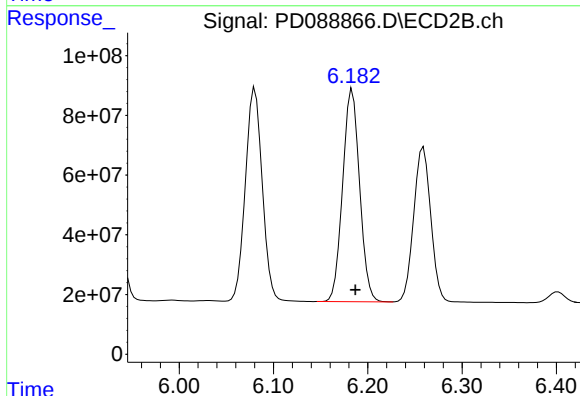
R.T.: 5.930 min
Delta R.T.: -0.003 min
Response: 854568107
Conc: 49.13 ng/ml



#17 4,4'-DDT

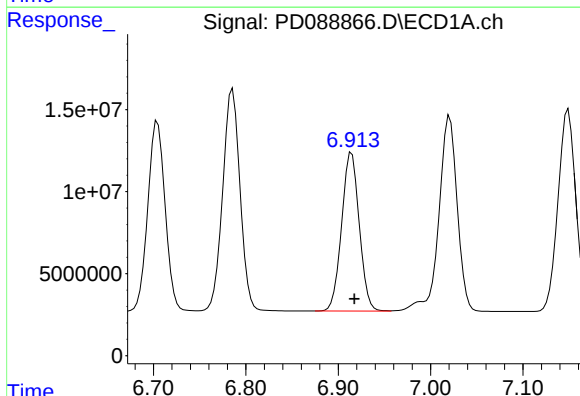
R.T.: 7.021 min
Delta R.T.: -0.003 min
Response: 164002081
Conc: 52.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



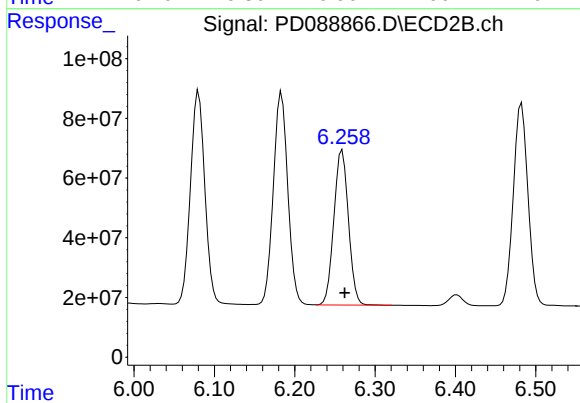
#17 4,4'-DDT

R.T.: 6.184 min
Delta R.T.: -0.003 min
Response: 891203194
Conc: 49.14 ng/ml



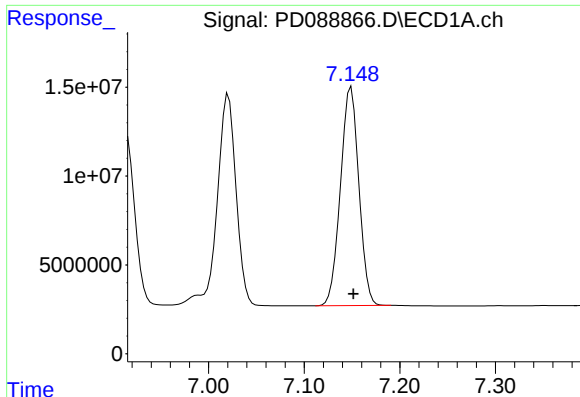
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: -0.003 min
Response: 128109506
Conc: 49.76 ng/ml



#18 Endrin aldehyde

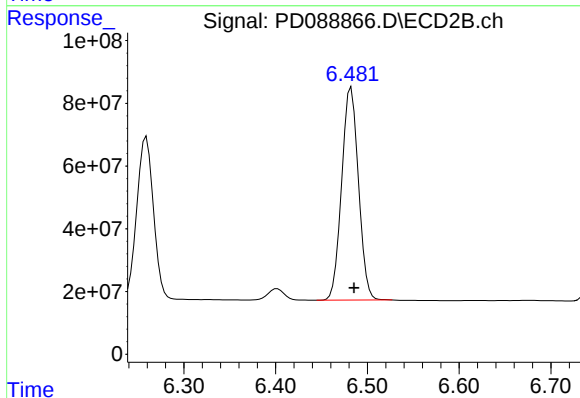
R.T.: 6.259 min
Delta R.T.: -0.003 min
Response: 653796533
Conc: 46.94 ng/ml



#19 Endosulfan Sulfate

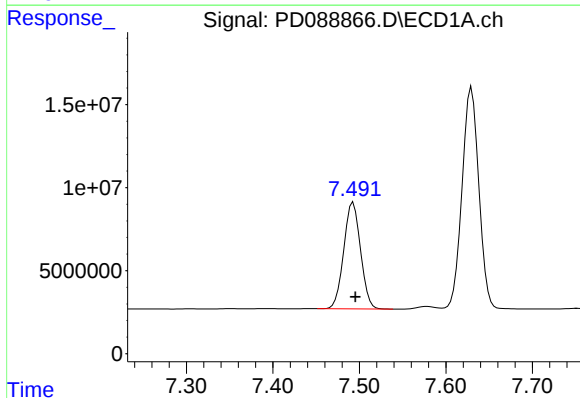
R.T.: 7.149 min
Delta R.T.: -0.002 min
Response: 165101879
Conc: 51.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



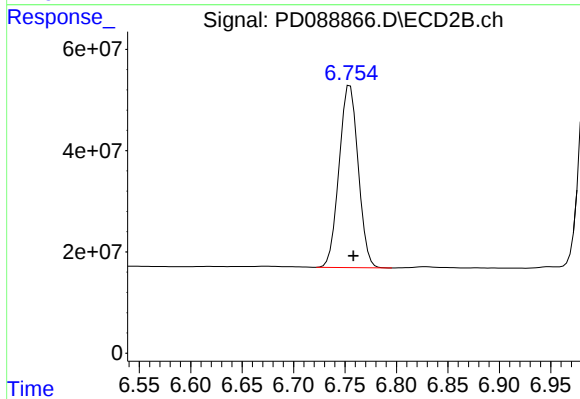
#19 Endosulfan Sulfate

R.T.: 6.482 min
Delta R.T.: -0.003 min
Response: 860783694
Conc: 48.48 ng/ml



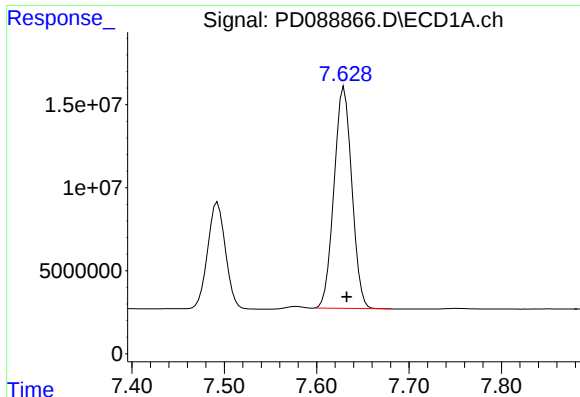
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: -0.003 min
Response: 85933626
Conc: 51.44 ng/ml



#20 Methoxychlor

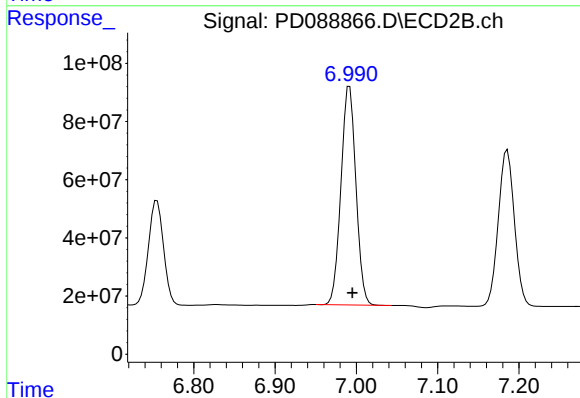
R.T.: 6.755 min
Delta R.T.: -0.003 min
Response: 464886972
Conc: 48.55 ng/ml



#21 Endrin ketone

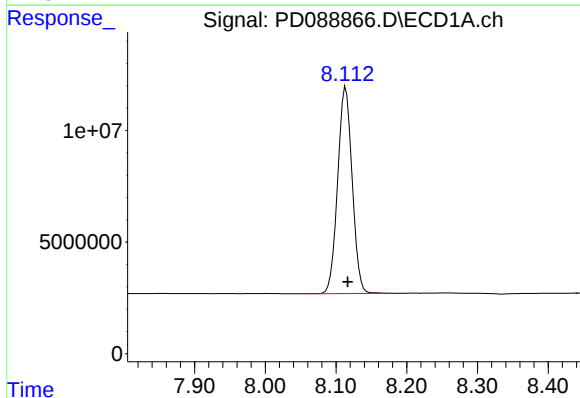
R.T.: 7.630 min
Delta R.T.: -0.003 min
Response: 178626259
Conc: 52.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



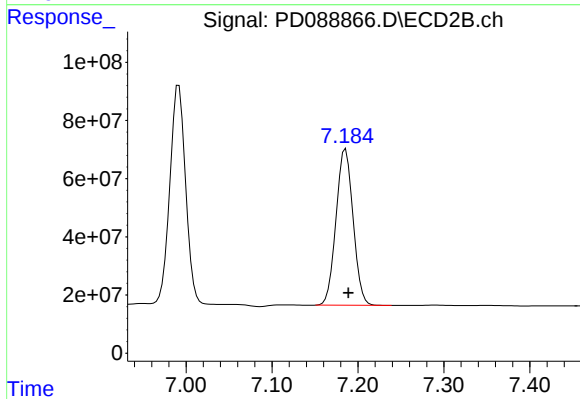
#21 Endrin ketone

R.T.: 6.992 min
Delta R.T.: -0.003 min
Response: 959017208
Conc: 49.57 ng/ml



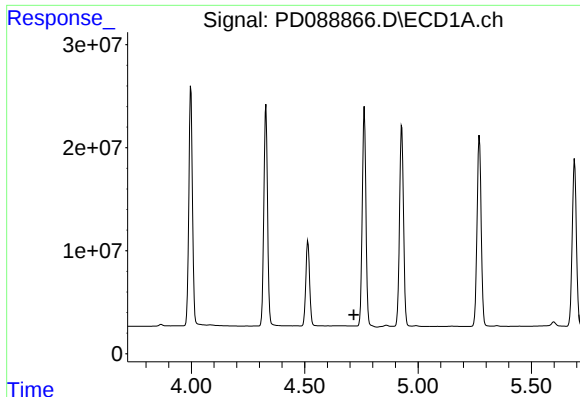
#22 Mirex

R.T.: 8.114 min
Delta R.T.: -0.003 min
Response: 131579483
Conc: 50.64 ng/ml



#22 Mirex

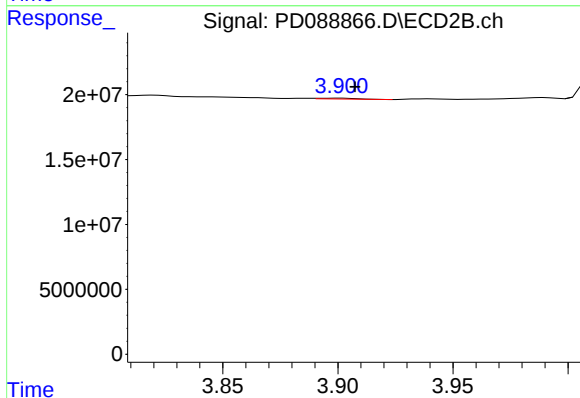
R.T.: 7.186 min
Delta R.T.: -0.003 min
Response: 740806288
Conc: 48.73 ng/ml



#23 Chlordane-1

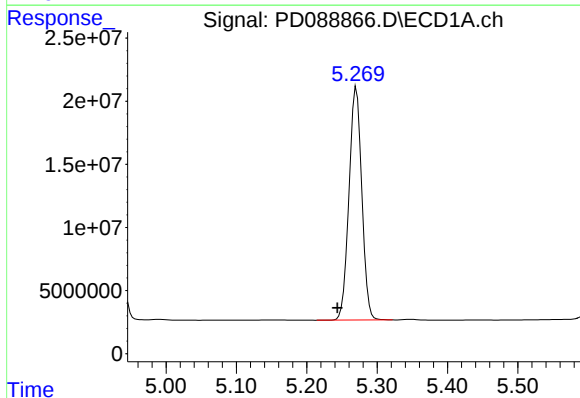
R.T.: 0.000 min
Exp R.T.: 4.717 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



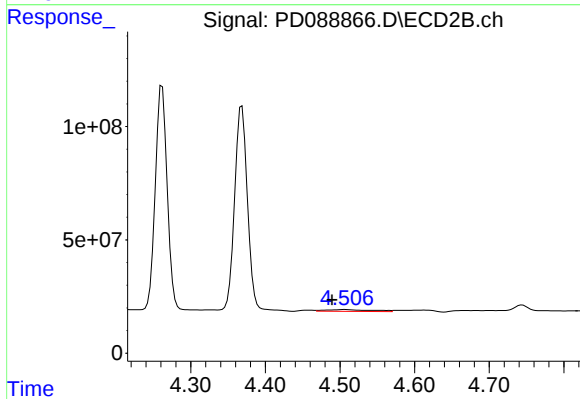
#23 Chlordane-1

R.T.: 3.901 min
Delta R.T.: -0.006 min
Response: 661859
Conc: 0.80 ng/ml



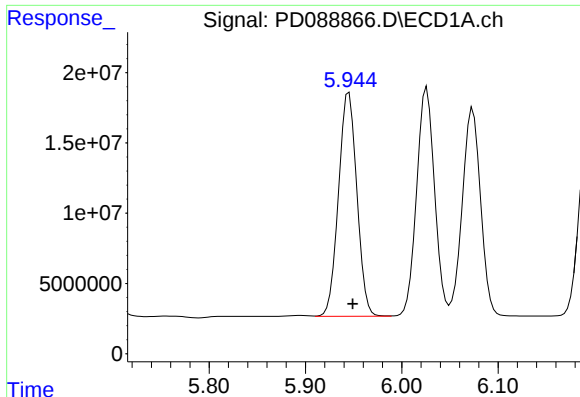
#24 Chlordane-2

R.T.: 5.270 min
Delta R.T.: 0.027 min
Response: 233452268
Conc: 1272.18 ng/ml



#24 Chlordane-2

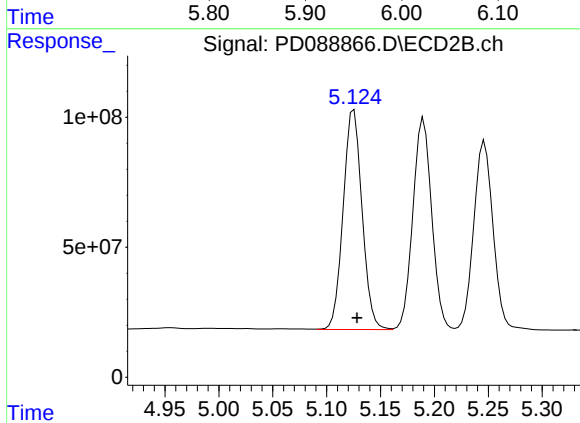
R.T.: 4.507 min
Delta R.T.: 0.018 min
Response: 35261219
Conc: 41.78 ng/ml



#25 Chlordane-3

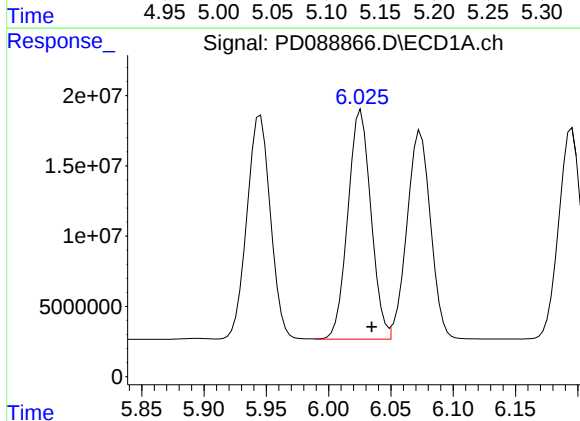
R.T.: 5.945 min
Delta R.T.: -0.004 min
Response: 210423248
Conc: 284.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



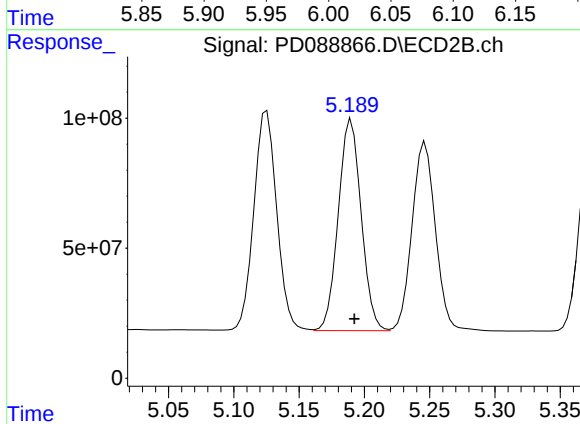
#25 Chlordane-3

R.T.: 5.125 min
Delta R.T.: -0.003 min
Response: 1031582198
Conc: 391.22 ng/ml



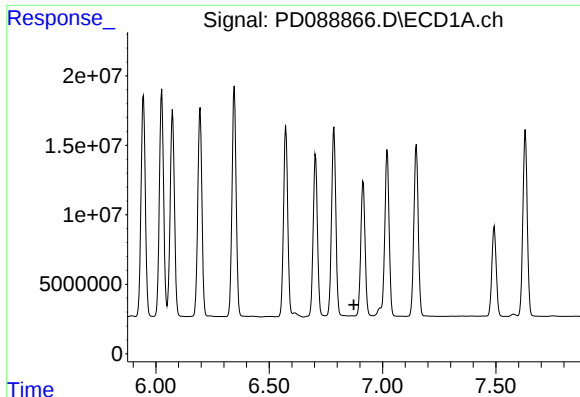
#26 Chlordane-4

R.T.: 6.026 min
Delta R.T.: -0.008 min
Response: 211313906
Conc: 235.79 ng/ml



#26 Chlordane-4

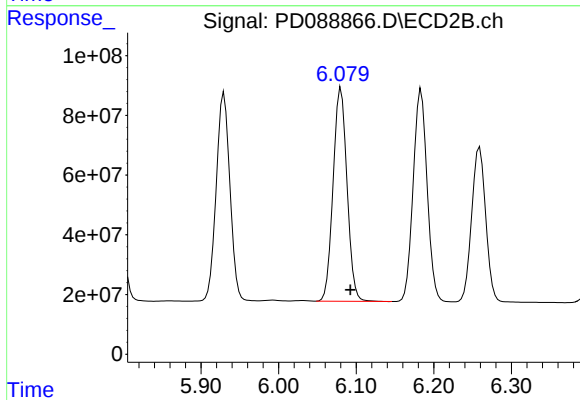
R.T.: 5.190 min
Delta R.T.: -0.002 min
Response: 992723763
Conc: 448.69 ng/ml



#27 Chlordane-5

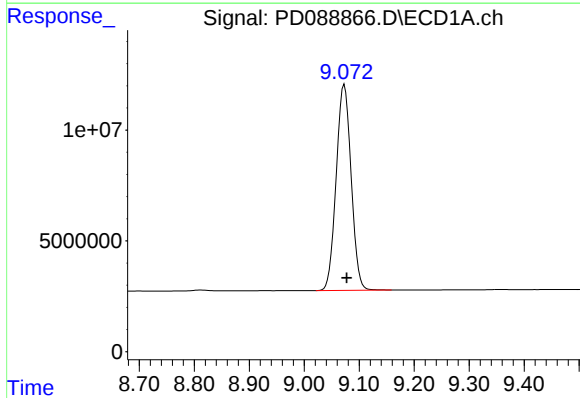
R.T.: 0.000 min
Exp R.T.: 6.873 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



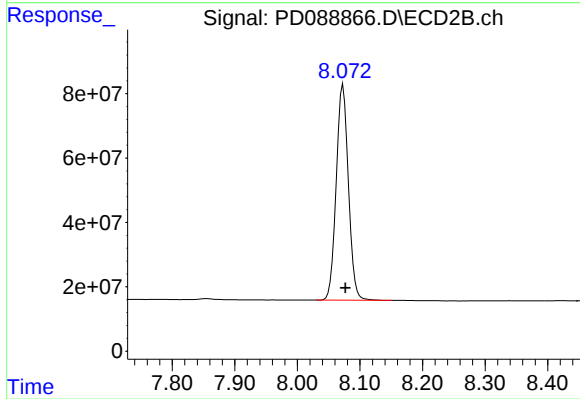
#27 Chlordane-5

R.T.: 6.080 min
Delta R.T.: -0.012 min
Response: 891120491
Conc: 890.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.004 min
Response: 175637016
Conc: 51.32 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.073 min
Delta R.T.: -0.004 min
Response: 908179106
Conc: 49.75 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
 Data File : PD088879.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Jun 2025 17:46
 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 11 07:42:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.880	50914155	320.0E6	23.531	21.157
28)	SA Decachlor...	9.073	8.073	69548566	314.5E6	20.322	17.228
Target Compounds							
2)	A alpha-BHC	3.998	3.392	47468403	261.4E6	9.938	10.936
3)	MA gamma-BHC...	4.329	3.729	47077650	242.9E6	10.228	10.956
4)	MA Heptachlor	4.941	4.078	551596	1531423	0.123	0.068 #
5)	MB Aldrin	5.262	4.364	-22249	4584855	N.D.	0.209
6)	B beta-BHC	4.514	4.025	20069670	107.7E6	11.130	11.052
7)	B delta-BHC	4.757	4.258	1123165	990307	0.266	0.044 #
8)	B Heptachlo...	5.678f	4.871	1785978	1100432	0.450	0.055 #
9)	A Endosulfan I	6.104f	0.000	496492	0	0.132	N.D. #
10)	B gamma-Chl...	5.945	5.126	219068	22497535	0.055	1.055 #
11)	B alpha-Chl...	6.035	5.191	599672	6220959	0.150	0.302 #
12)	B 4,4'-DDE	6.197	5.378	532815	6031536	0.148	0.289 #
13)	MA Dieldrin	6.366f	5.504	1226057	95166	0.306	0.005 #
14)	MA Endrin	6.574	5.789	168.1E6	898.6E6	49.227	46.598
15)	B Endosulfa...	6.772f	6.087	240986	2164806	0.070	0.118 #
16)	A 4,4'-DDD	6.704	5.930	5829649	40901420	2.093	2.352
17)	MA 4,4'-DDT	7.020	6.184	280.1E6	1512.0E6	89.720	83.364
18)	B Endrin al...	6.919	6.257	4595392	8006243	1.785	0.575 #
20)	A Methoxychlor	7.492	6.755	340.1E6	1635.6E6	203.570	170.824
21)	B Endrin ke...	7.630	6.991	3819940	22145293	1.116	1.145
22)	Mirex	0.000	7.177	0	4559623	N.D.	0.300 #
23)	Chlordane-1	0.000	3.901	0	916363	N.D.	1.109 #
24)	Chlordane-2	5.262	4.486	-22249	11654202	N.D.	13.808
25)	Chlordane-3	5.945	5.126	219068	22497535	0.296	8.532 #
26)	Chlordane-4	6.035	5.191	599672	6220959	0.669	2.812 #
27)	Chlordane-5	0.000	6.087	0	2164806	N.D.	2.163 #

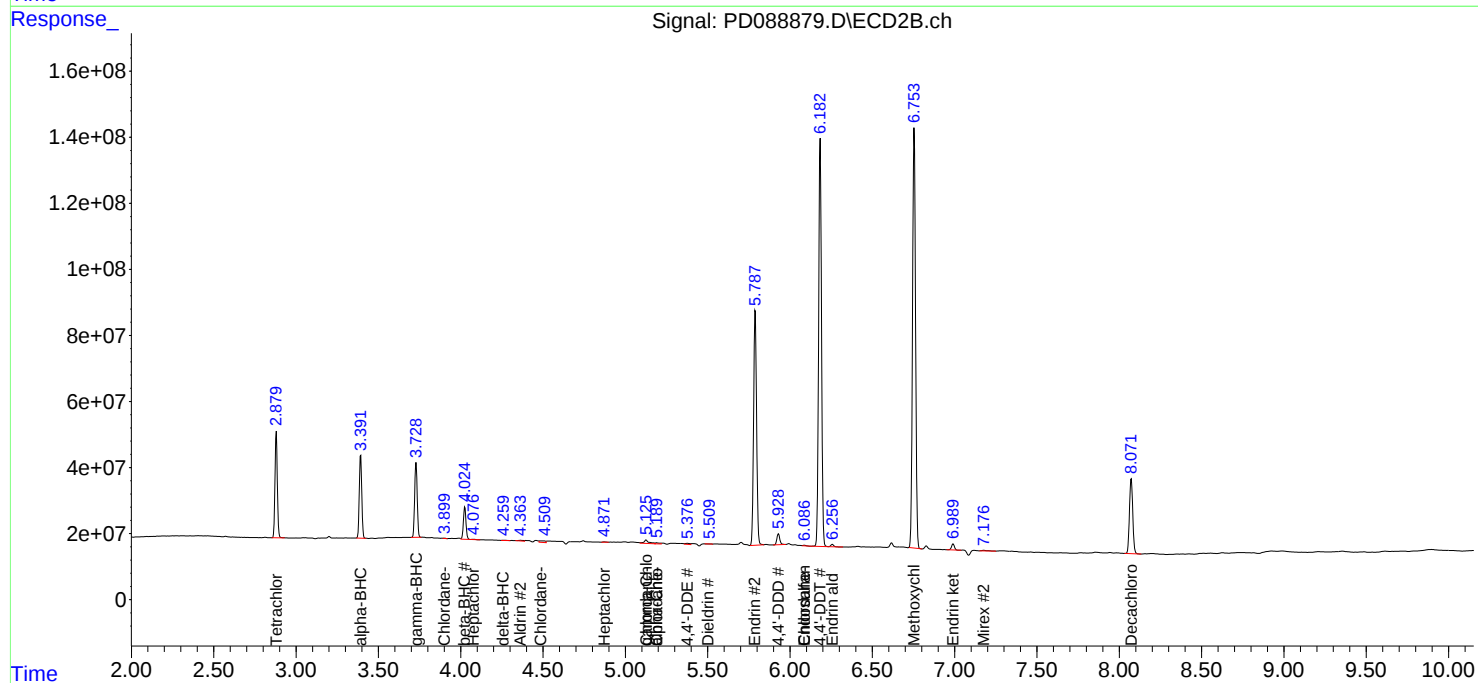
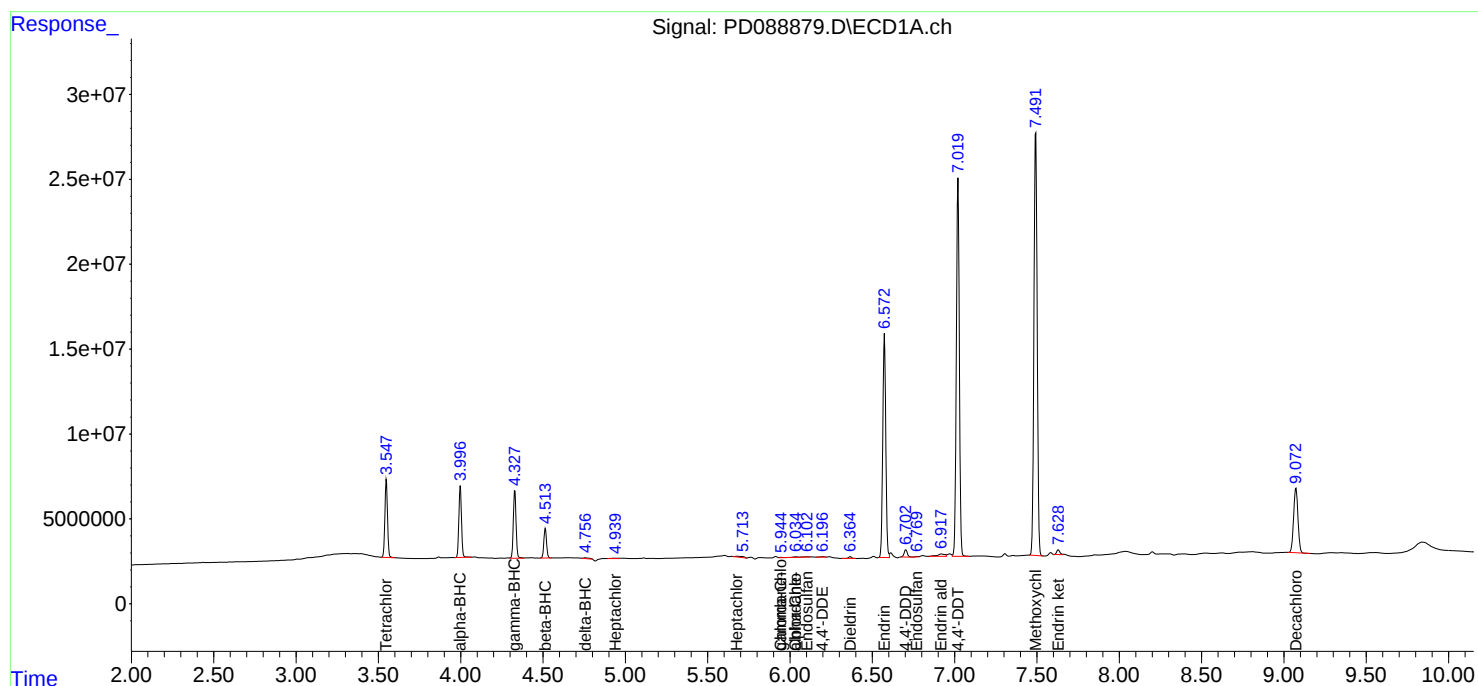
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

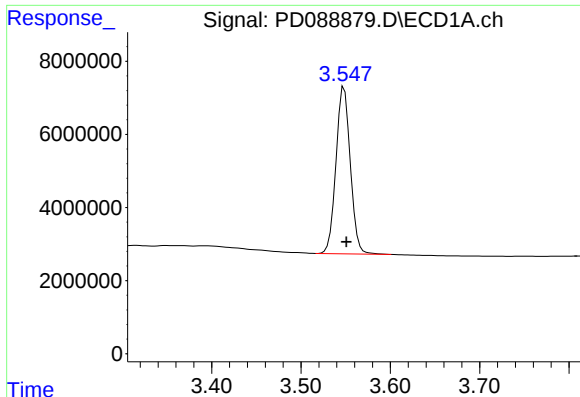
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
Data File : PD088879.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2025 17:46
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 07:42:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

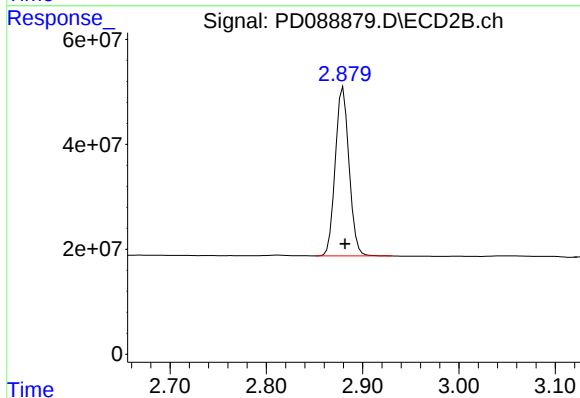




#1 Tetrachloro-m-xylene

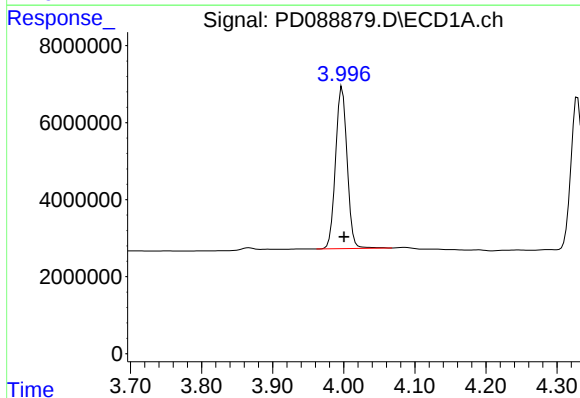
R.T.: 3.548 min
Delta R.T.: -0.003 min
Response: 50914155
Conc: 23.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



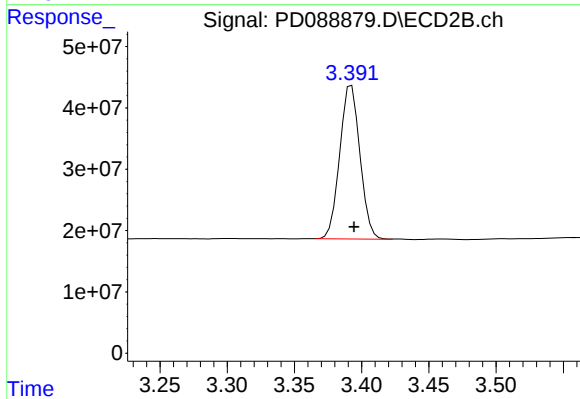
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.002 min
Response: 320036558
Conc: 21.16 ng/ml



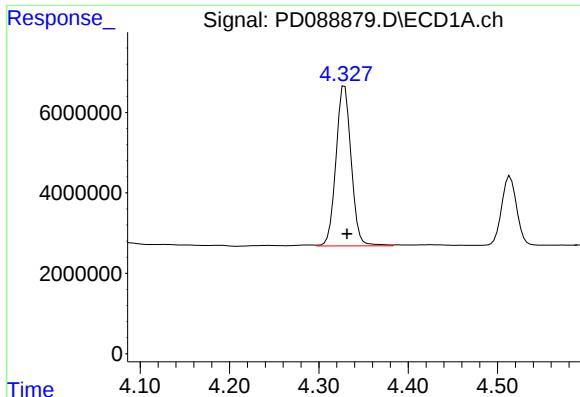
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.003 min
Response: 47468403
Conc: 9.94 ng/ml



#2 alpha-BHC

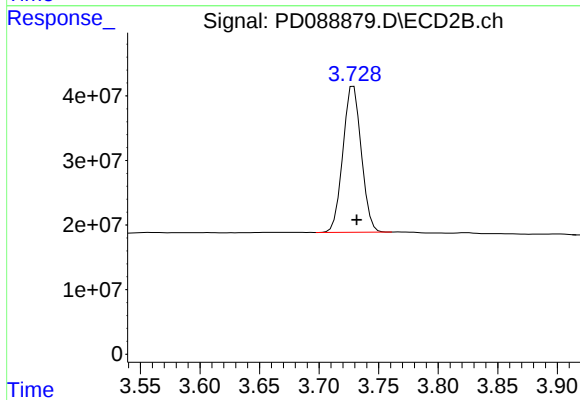
R.T.: 3.392 min
Delta R.T.: -0.002 min
Response: 261413427
Conc: 10.94 ng/ml



#3 gamma-BHC (Lindane)

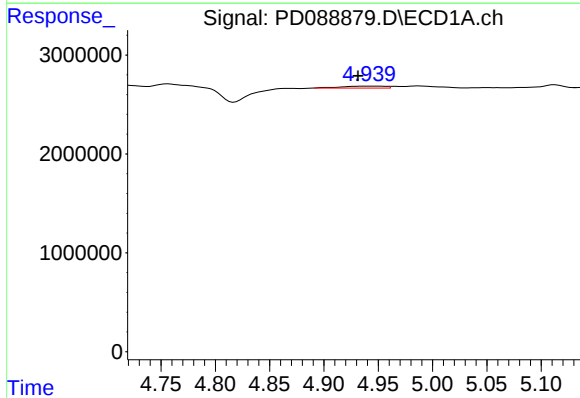
R.T.: 4.329 min
Delta R.T.: -0.003 min
Response: 47077650
Conc: 10.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



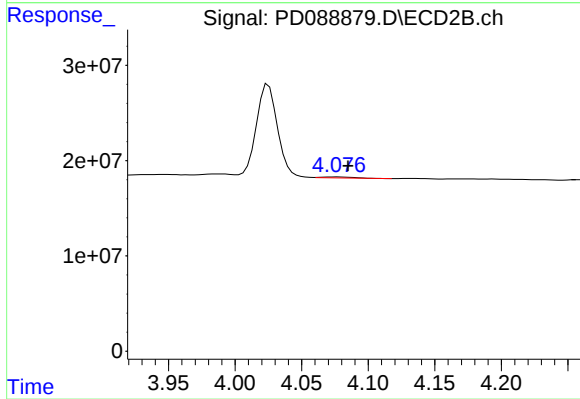
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: -0.002 min
Response: 242856400
Conc: 10.96 ng/ml



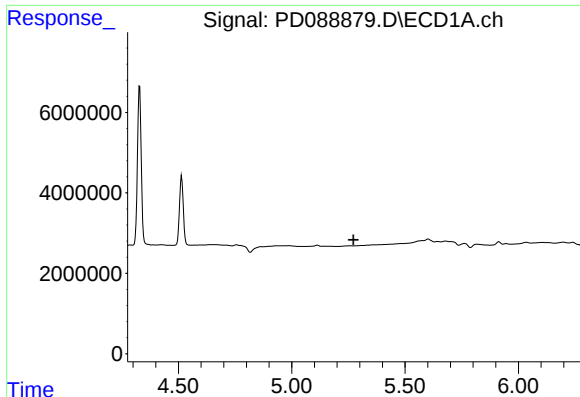
#4 Heptachlor

R.T.: 4.941 min
Delta R.T.: 0.009 min
Response: 551596
Conc: 0.12 ng/ml



#4 Heptachlor

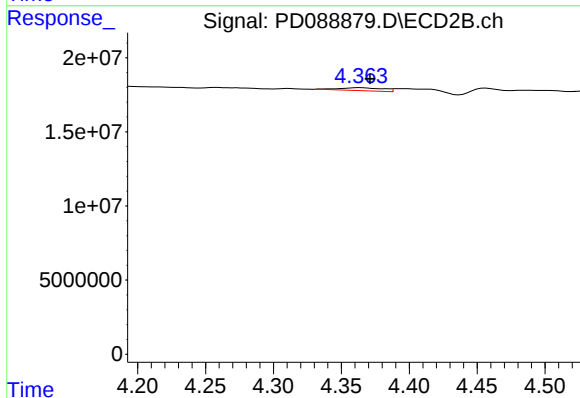
R.T.: 4.078 min
Delta R.T.: -0.007 min
Response: 1531423
Conc: 0.07 ng/ml



#5 Aldrin

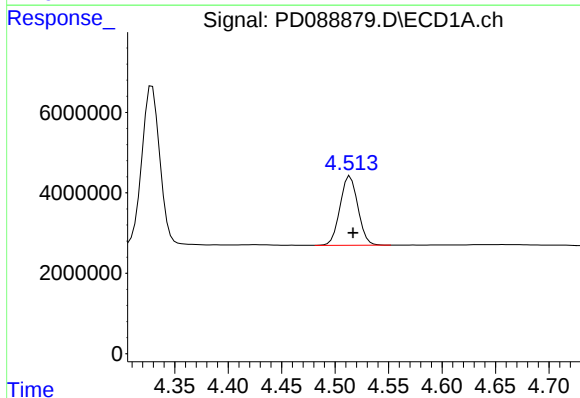
R.T.: 5.262 min
Delta R.T.: -0.011 min
Response: -22249
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



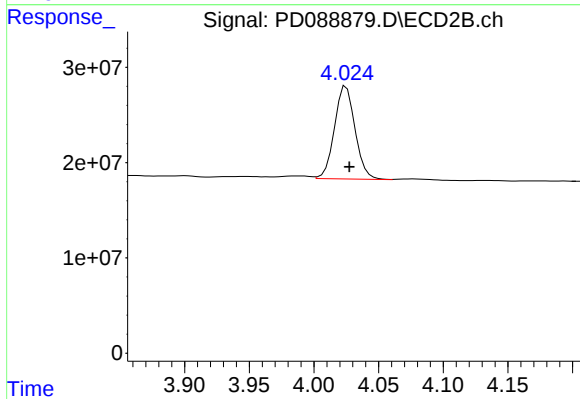
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: -0.007 min
Response: 4584855
Conc: 0.21 ng/ml



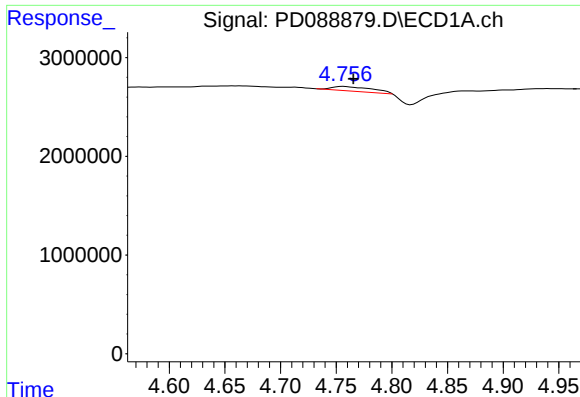
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.003 min
Response: 20069670
Conc: 11.13 ng/ml



#6 beta-BHC

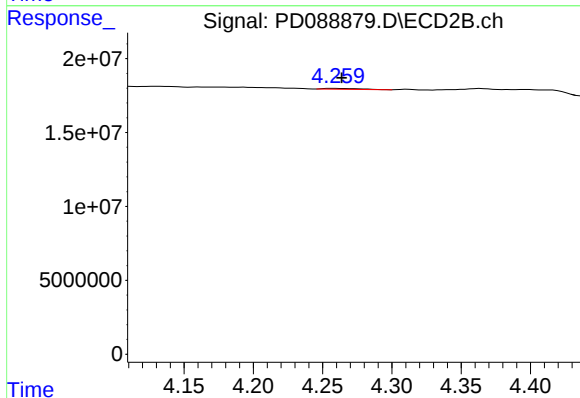
R.T.: 4.025 min
Delta R.T.: -0.002 min
Response: 107667916
Conc: 11.05 ng/ml



#7 delta-BHC

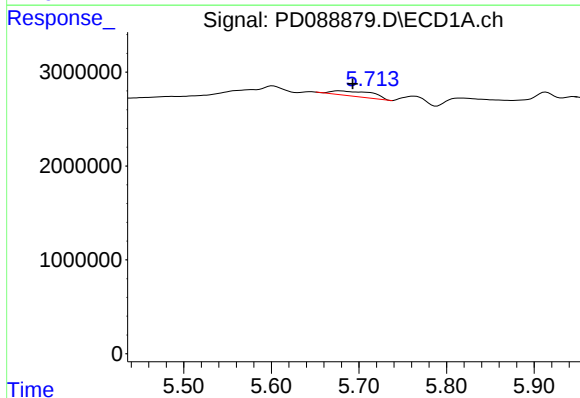
R.T.: 4.757 min
Delta R.T.: -0.009 min
Response: 1123165
Conc: 0.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



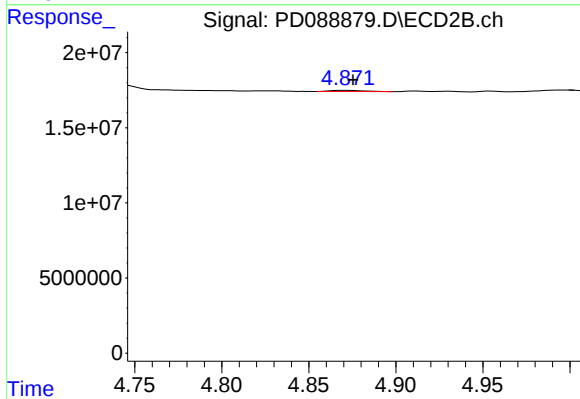
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: -0.006 min
Response: 990307
Conc: 0.04 ng/ml



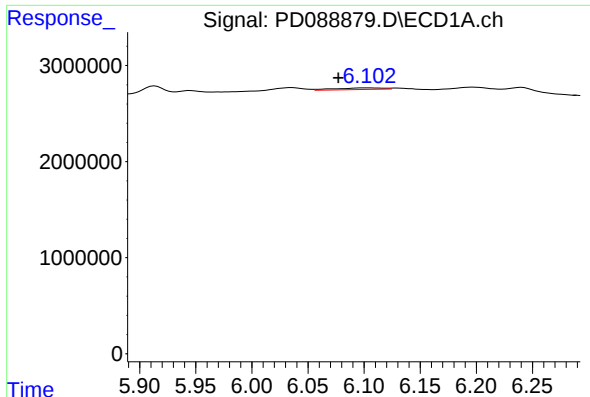
#8 Heptachlor epoxide

R.T.: 5.678 min
Delta R.T.: -0.015 min
Response: 1785978
Conc: 0.45 ng/ml



#8 Heptachlor epoxide

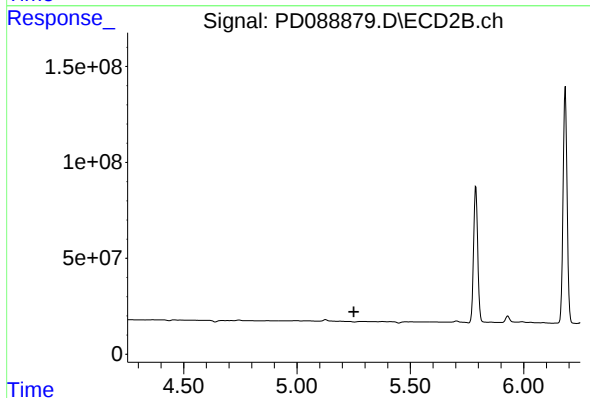
R.T.: 4.871 min
Delta R.T.: -0.004 min
Response: 1100432
Conc: 0.06 ng/ml



#9 Endosulfan I

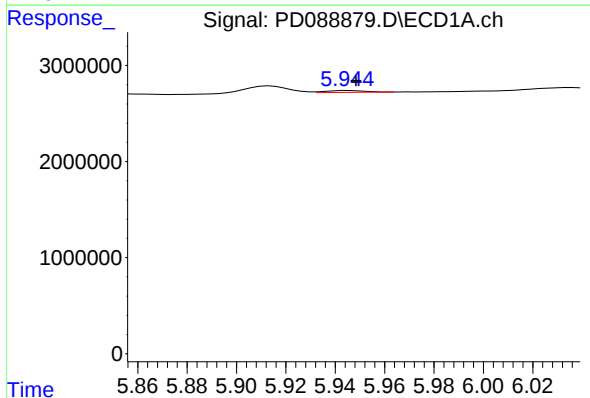
R.T.: 6.104 min
Delta R.T.: 0.027 min
Response: 496492
Conc: 0.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



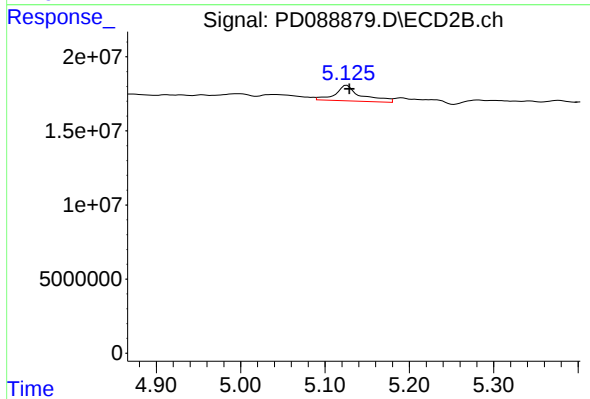
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T. : 5.250 min
Response: 0
Conc: N.D.



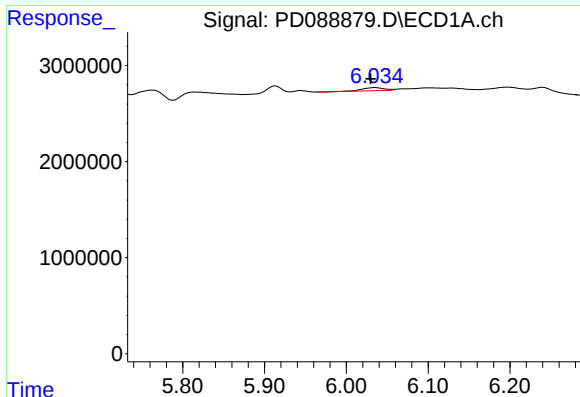
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: -0.003 min
Response: 219068
Conc: 0.05 ng/ml



#10 gamma-Chlordane

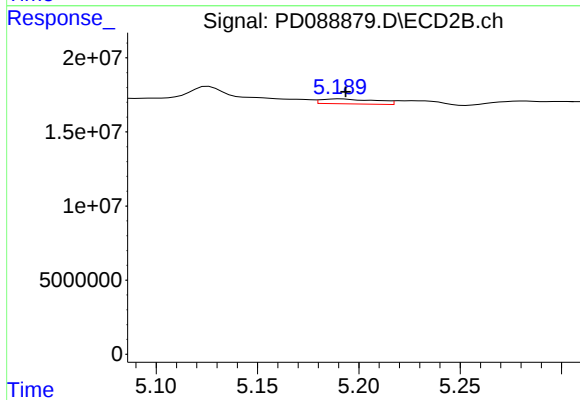
R.T.: 5.126 min
Delta R.T.: -0.003 min
Response: 22497535
Conc: 1.05 ng/ml



#11 alpha-Chlordane

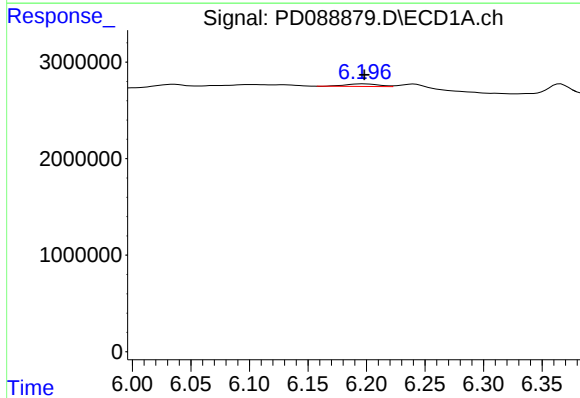
R.T.: 6.035 min
Delta R.T.: 0.006 min
Response: 599672
Conc: 0.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



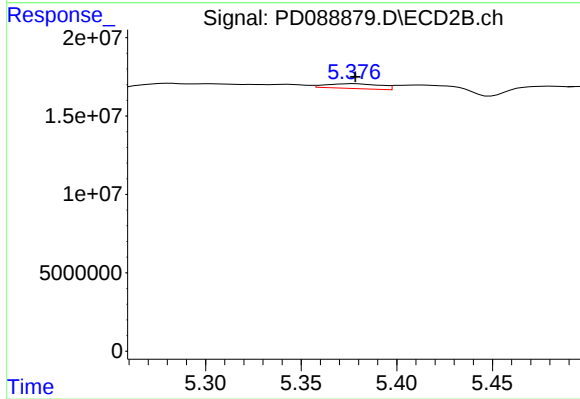
#11 alpha-Chlordane

R.T.: 5.191 min
Delta R.T.: -0.003 min
Response: 6220959
Conc: 0.30 ng/ml



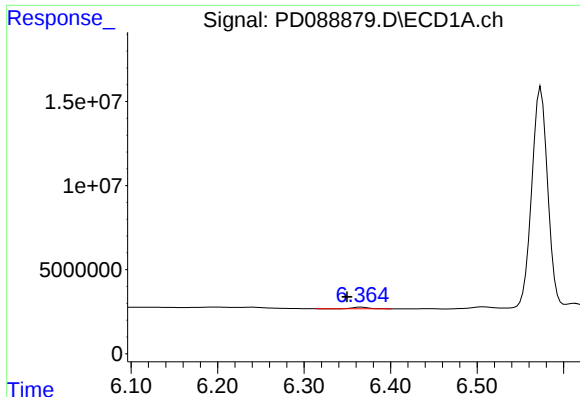
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 532815
Conc: 0.15 ng/ml



#12 4,4'-DDE

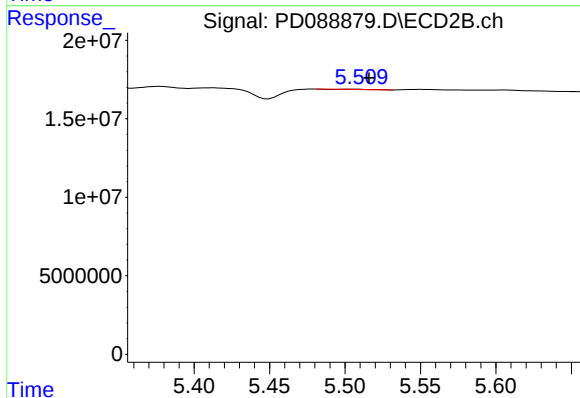
R.T.: 5.378 min
Delta R.T.: 0.000 min
Response: 6031536
Conc: 0.29 ng/ml



#13 Dieldrin

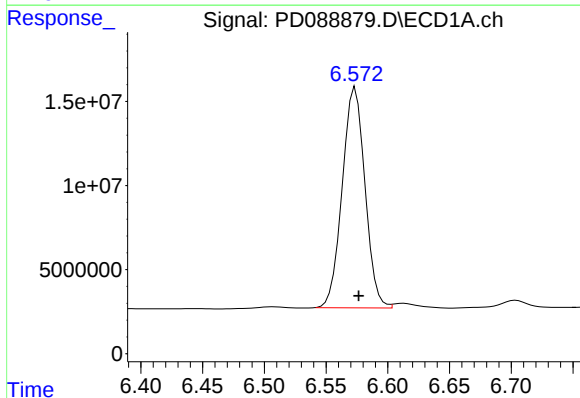
R.T.: 6.366 min
Delta R.T.: 0.016 min
Response: 1226057
Conc: 0.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



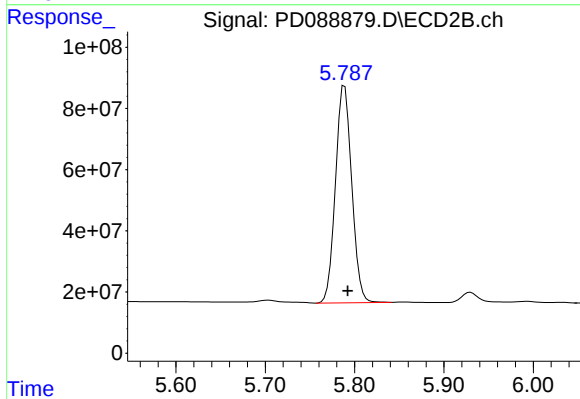
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.012 min
Response: 95166
Conc: 0.00 ng/ml



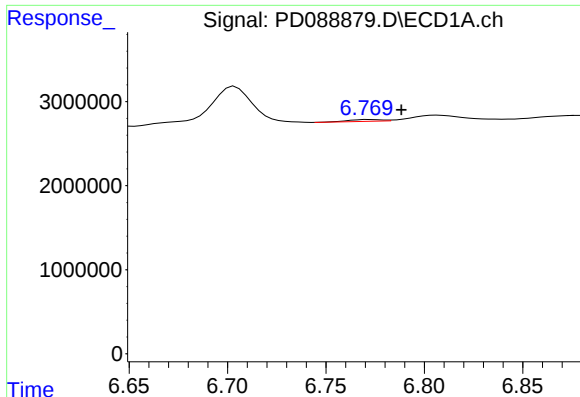
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.003 min
Response: 168118269
Conc: 49.23 ng/ml



#14 Endrin

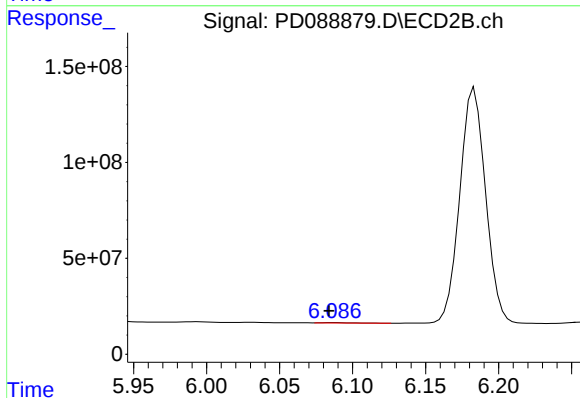
R.T.: 5.789 min
Delta R.T.: -0.003 min
Response: 898599962
Conc: 46.60 ng/ml



#15 Endosulfan II

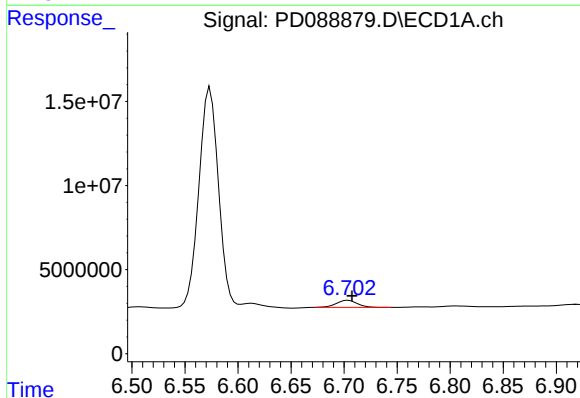
R.T.: 6.772 min
Delta R.T.: -0.016 min
Response: 240986
Conc: 0.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



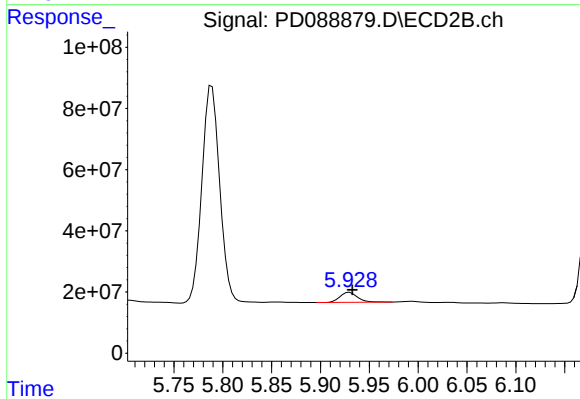
#15 Endosulfan II

R.T.: 6.087 min
Delta R.T.: 0.003 min
Response: 2164806
Conc: 0.12 ng/ml



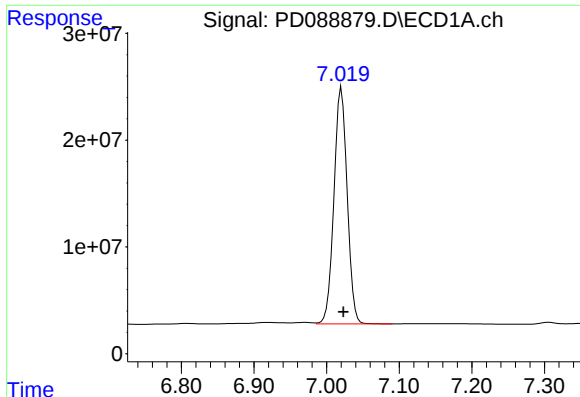
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.004 min
Response: 5829649
Conc: 2.09 ng/ml



#16 4,4'-DDD

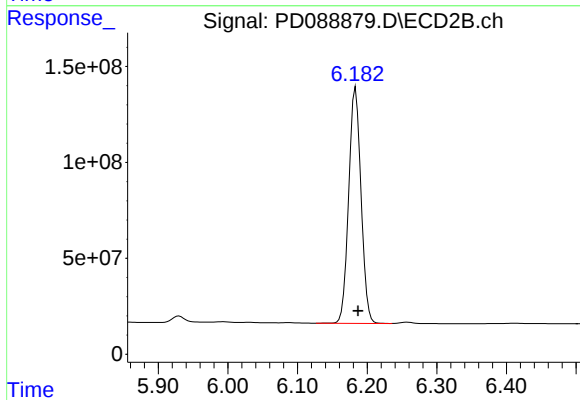
R.T.: 5.930 min
Delta R.T.: -0.003 min
Response: 40901420
Conc: 2.35 ng/ml



#17 4,4'-DDT

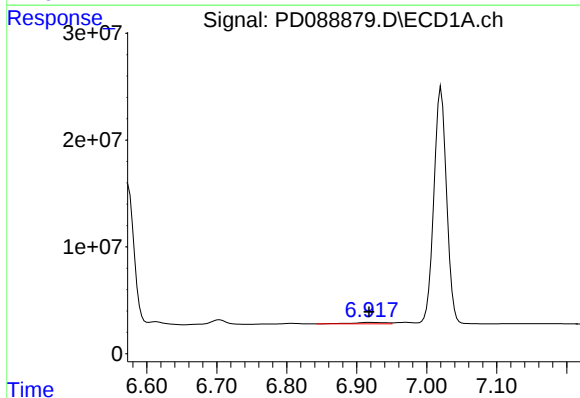
R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 280109482
Conc: 89.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



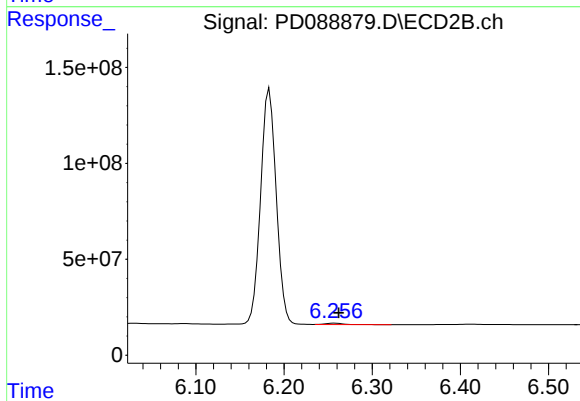
#17 4,4'-DDT

R.T.: 6.184 min
Delta R.T.: -0.004 min
Response: 1511993197
Conc: 83.36 ng/ml



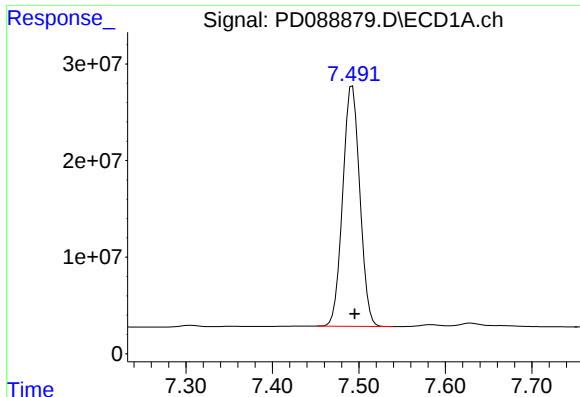
#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: 0.001 min
Response: 4595392
Conc: 1.78 ng/ml



#18 Endrin aldehyde

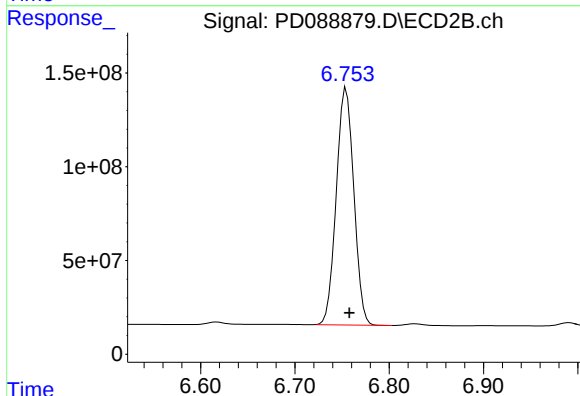
R.T.: 6.257 min
Delta R.T.: -0.005 min
Response: 8006243
Conc: 0.57 ng/ml



#20 Methoxychlor

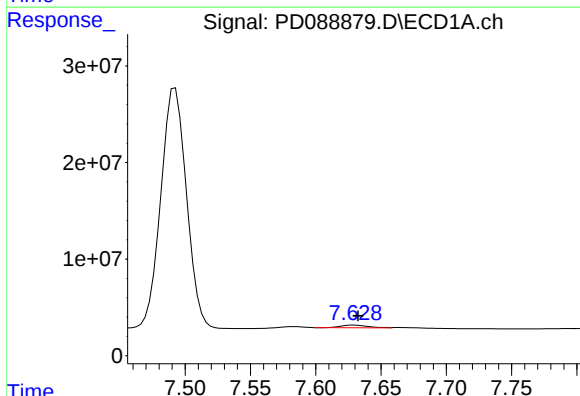
R.T.: 7.492 min
Delta R.T.: -0.003 min
Response: 340075321
Conc: 203.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



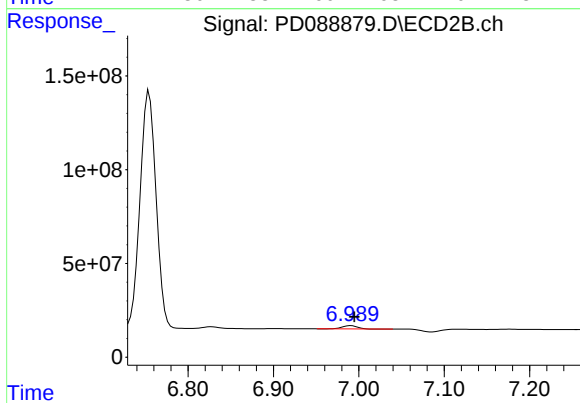
#20 Methoxychlor

R.T.: 6.755 min
Delta R.T.: -0.003 min
Response: 1635604122
Conc: 170.82 ng/ml



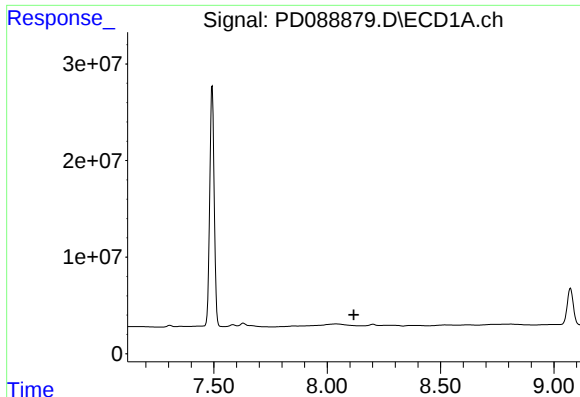
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: -0.003 min
Response: 3819940
Conc: 1.12 ng/ml



#21 Endrin ketone

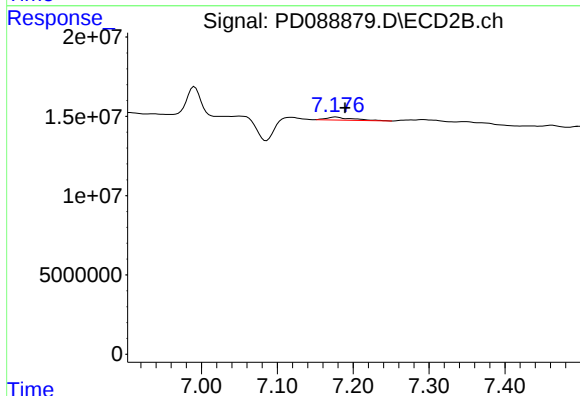
R.T.: 6.991 min
Delta R.T.: -0.004 min
Response: 22145293
Conc: 1.14 ng/ml



#22 Mirex

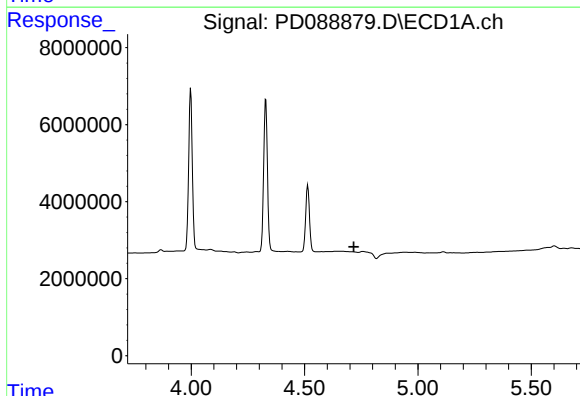
R.T.: 0.000 min
Exp R.T.: 8.117 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



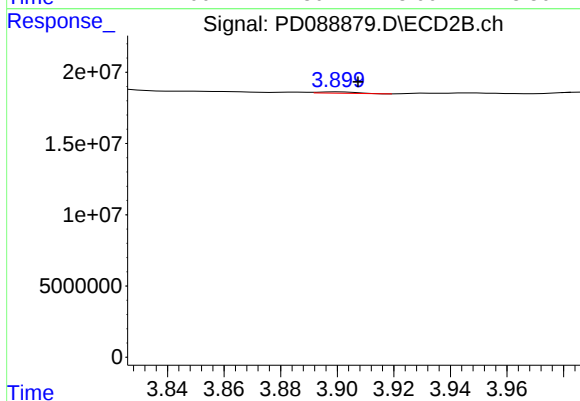
#22 Mirex

R.T.: 7.177 min
Delta R.T.: -0.012 min
Response: 4559623
Conc: 0.30 ng/ml



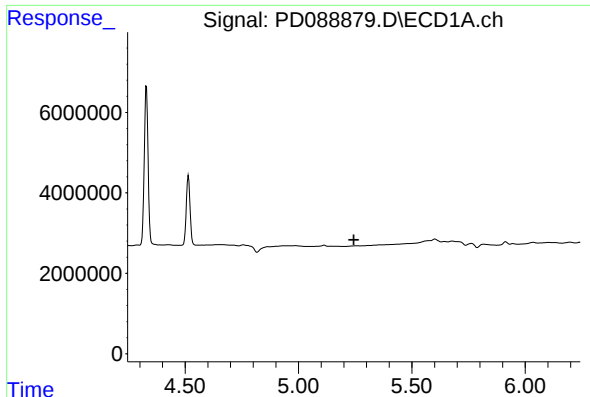
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T.: 4.717 min
Response: 0
Conc: N.D.



#23 Chlordane-1

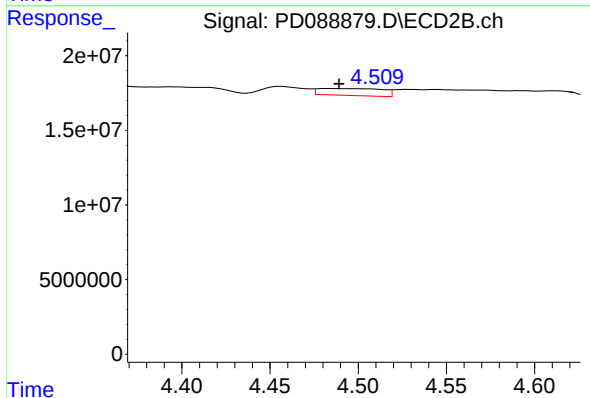
R.T.: 3.901 min
Delta R.T.: -0.007 min
Response: 916363
Conc: 1.11 ng/ml



#24 Chlordane-2

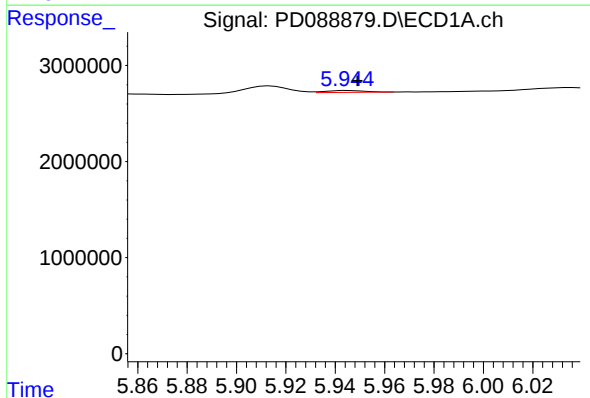
R.T.: 5.262 min
Delta R.T.: 0.018 min
Response: -22249
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



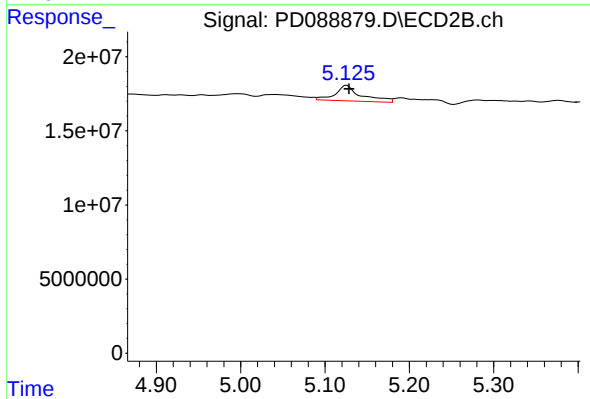
#24 Chlordane-2

R.T.: 4.486 min
Delta R.T.: -0.003 min
Response: 11654202
Conc: 13.81 ng/ml



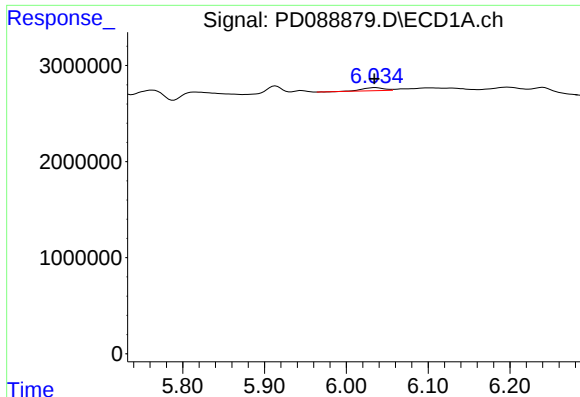
#25 Chlordane-3

R.T.: 5.945 min
Delta R.T.: -0.003 min
Response: 219068
Conc: 0.30 ng/ml



#25 Chlordane-3

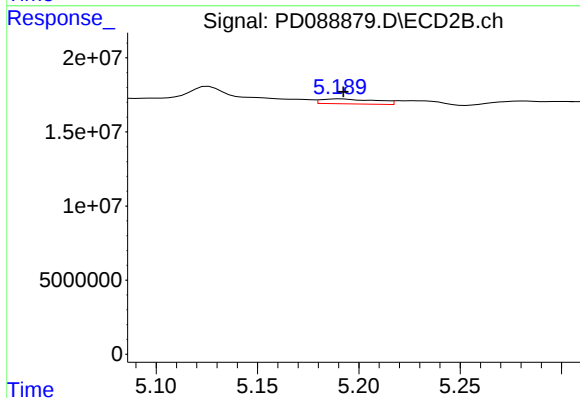
R.T.: 5.126 min
Delta R.T.: -0.002 min
Response: 22497535
Conc: 8.53 ng/ml



#26 Chlordane-4

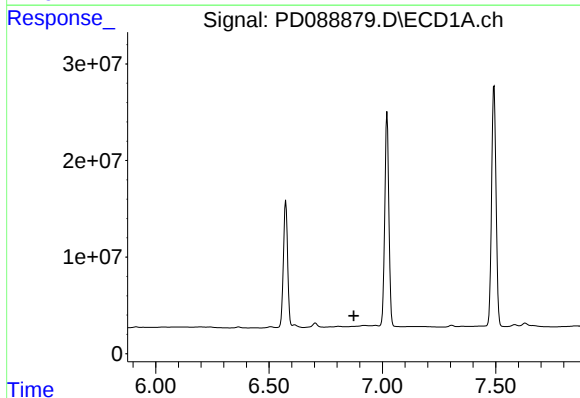
R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 599672
Conc: 0.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



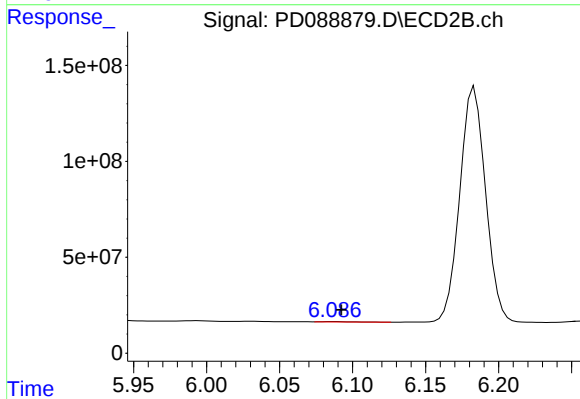
#26 Chlordane-4

R.T.: 5.191 min
Delta R.T.: -0.002 min
Response: 6220959
Conc: 2.81 ng/ml



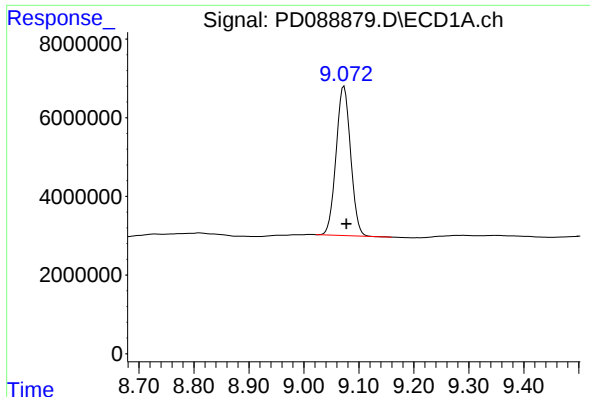
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.873 min
Response: 0
Conc: N.D.



#27 Chlordane-5

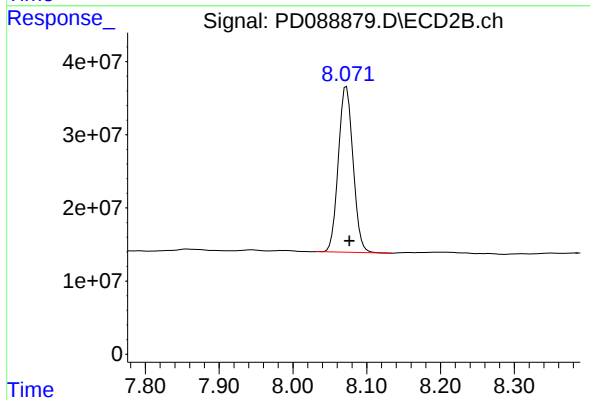
R.T.: 6.087 min
Delta R.T.: -0.005 min
Response: 2164806
Conc: 2.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.004 min
Response: 69548566
Conc: 20.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 8.073 min
Delta R.T.: -0.004 min
Response: 314526020
Conc: 17.23 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061125\
 Data File : PD088903.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Jun 2025 08:34
 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 12 07:37:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.879	51357982	318.0E6	23.736	21.022
28)	SA Decachlor...	9.071	8.071	75503045	383.6E6	22.062	21.009
Target Compounds							
2)	A alpha-BHC	3.998	3.392	48255061	260.1E6	10.102	10.881
3)	MA gamma-BHC...	4.329	3.728	47947407	242.8E6	10.417	10.954
4)	MA Heptachlor	4.929	4.076	244611	1182568	0.055	0.053
5)	MB Aldrin	5.242f	4.363	58249	817988	0.013	0.037 #
6)	B beta-BHC	4.514	4.024	20645698	108.6E6	11.450	11.148
7)	B delta-BHC	4.756	4.255	983547	1338848	0.233	0.060 #
8)	B Heptachlo...	5.679	4.872	1280953	918543	0.323	0.046 #
9)	A Endosulfan I	0.000	5.230f	0	4431025	N.D.	0.233 #
10)	B gamma-Chl...	5.943	5.125	420750	24242657	0.105	1.136 #
11)	B alpha-Chl...	6.032	5.190	790555	9830948	0.197	0.477 #
12)	B 4,4'-DDE	6.197	5.376	342181	10071196	0.095	0.482 #
13)	MA Dieldrin	6.366f	5.513	1124599	-8326	0.280	N.D. #
14)	MA Endrin	6.573	5.788	180.2E6	933.2E6	52.777	48.391
15)	B Endosulfa...	6.805f	6.085	1560746	3600103	0.453	0.196 #
16)	A 4,4'-DDD	6.703	5.929	8646382	56738371	3.105	3.262
17)	MA 4,4'-DDT	7.020	6.183	312.9E6	1648.4E6	100.233	90.882
18)	B Endrin al...	6.916	6.257	1386368	12221942	0.538	0.877 #
19)	B Endosulfa...	0.000	6.462f	0	807977	N.D.	0.046 #
20)	A Methoxychlor	7.492	6.753	379.9E6	1780.4E6	227.427	185.948
21)	B Endrin ke...	7.629	6.990	4413715	38121035	1.289	1.970 #
22)	Mirex	8.119	7.199	92084	1907321	0.035	0.125 #
23)	Chlordane-1	0.000	3.898	0	1167445	N.D.	1.413 #
24)	Chlordane-2	5.242	4.483	58249	28185075	0.317	33.394 #
25)	Chlordane-3	5.943	5.125	420750	24242657	0.569	9.194 #
26)	Chlordane-4	6.032	5.190	790555	9830948	0.882	4.443 #
27)	Chlordane-5	6.868	6.085	299254	3600103	1.967	3.597 #

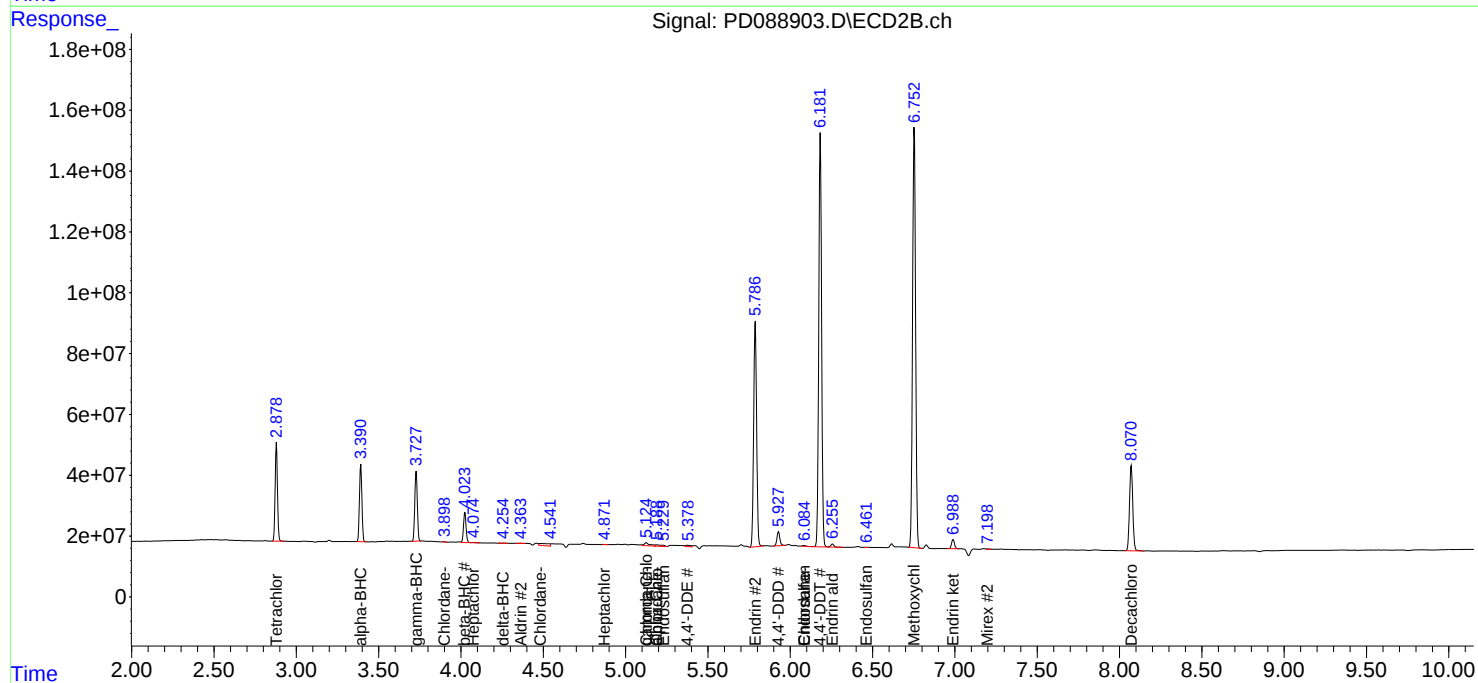
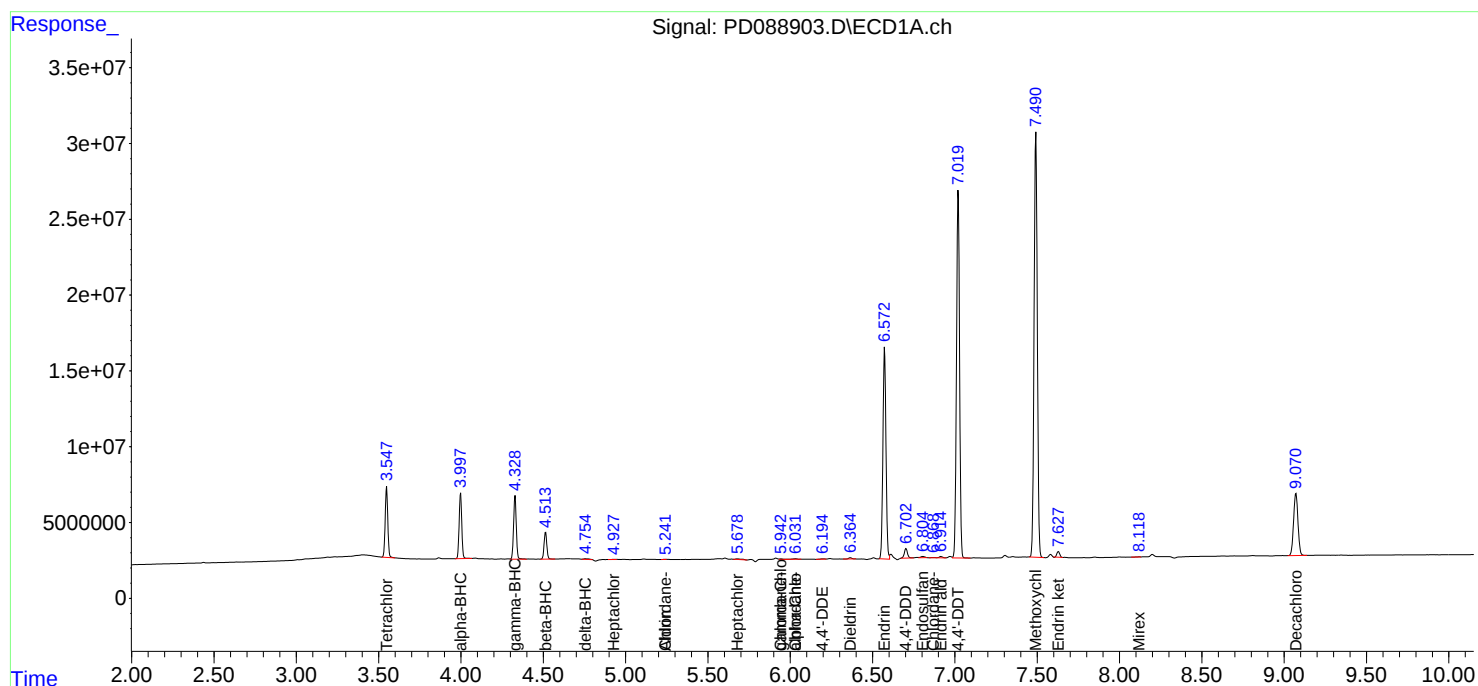
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

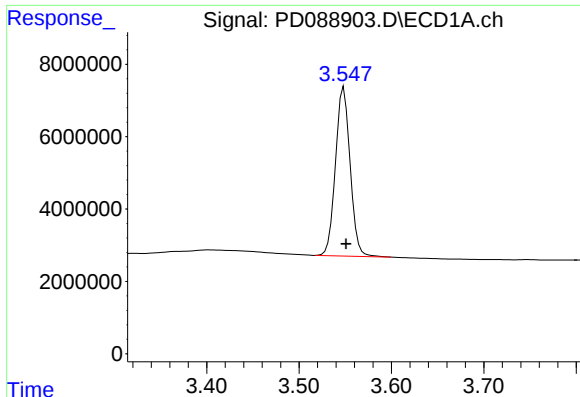
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061125\
Data File : PD088903.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 08:34
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 07:37:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

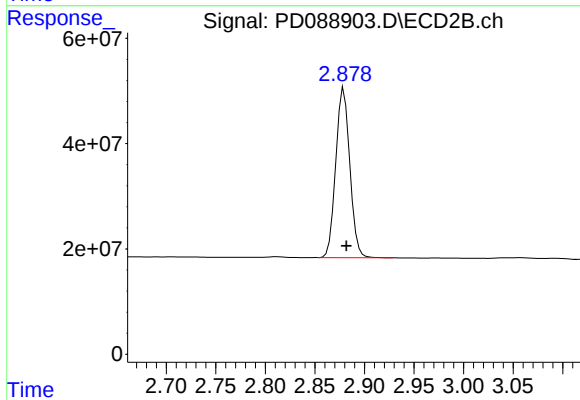




#1 Tetrachloro-m-xylene

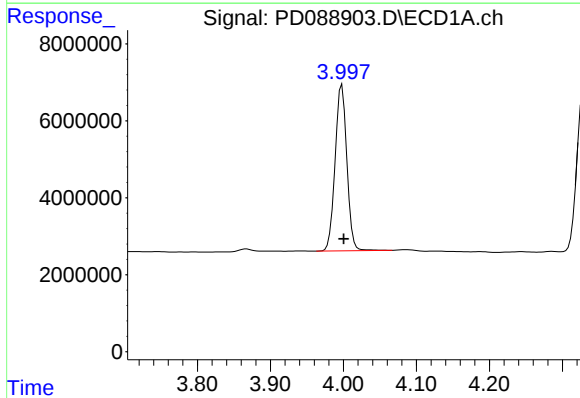
R.T.: 3.548 min
Delta R.T.: -0.003 min
Response: 51357982
Conc: 23.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



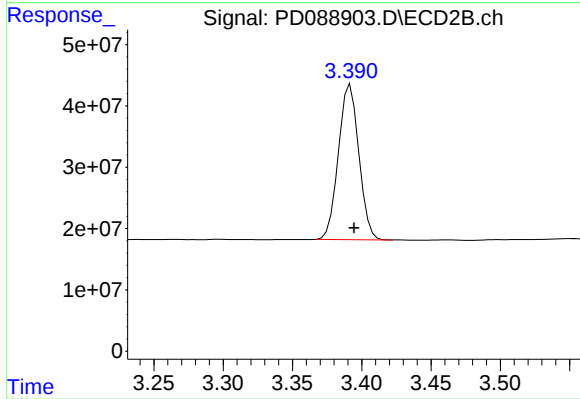
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 318003496
Conc: 21.02 ng/ml



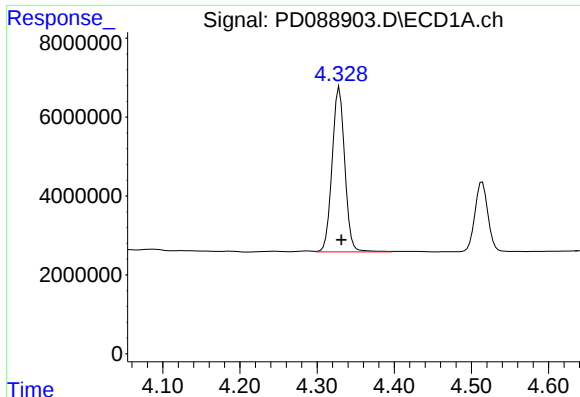
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.002 min
Response: 48255061
Conc: 10.10 ng/ml



#2 alpha-BHC

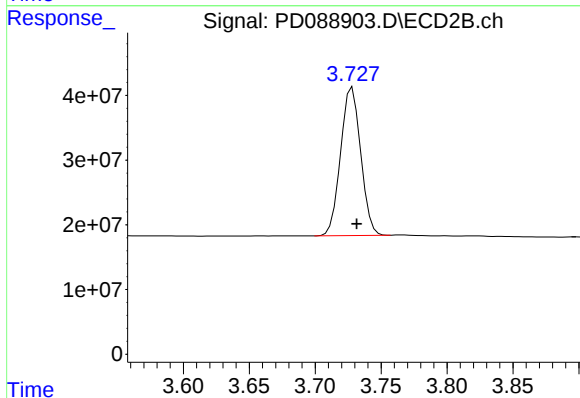
R.T.: 3.392 min
Delta R.T.: -0.003 min
Response: 260103330
Conc: 10.88 ng/ml



#3 gamma-BHC (Lindane)

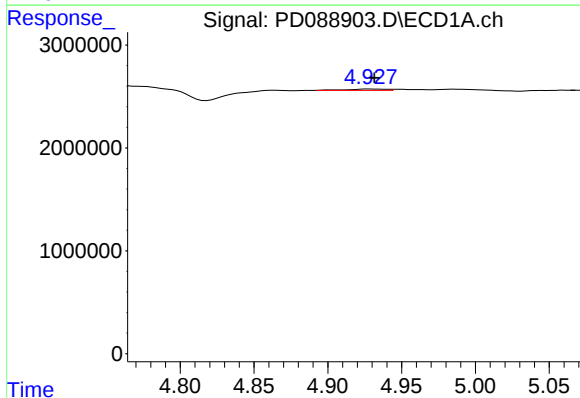
R.T.: 4.329 min
Delta R.T.: -0.003 min
Response: 47947407
Conc: 10.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



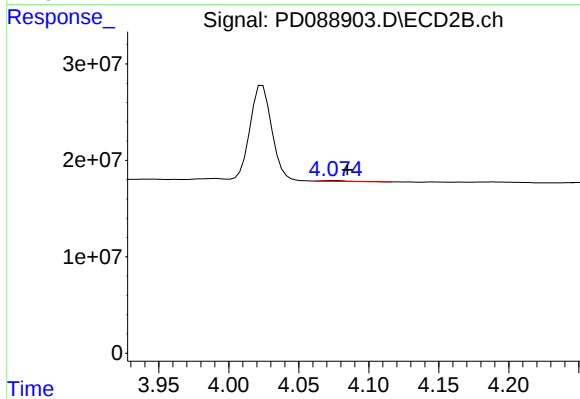
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.003 min
Response: 242807014
Conc: 10.95 ng/ml



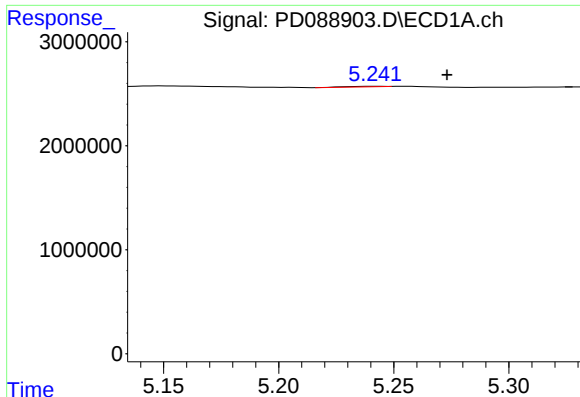
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: -0.003 min
Response: 244611
Conc: 0.05 ng/ml



#4 Heptachlor

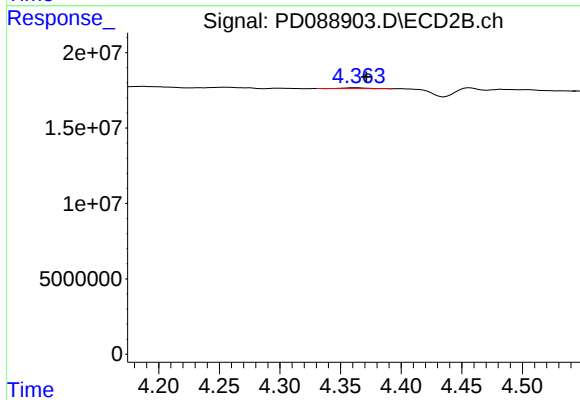
R.T.: 4.076 min
Delta R.T.: -0.009 min
Response: 1182568
Conc: 0.05 ng/ml



#5 Aldrin

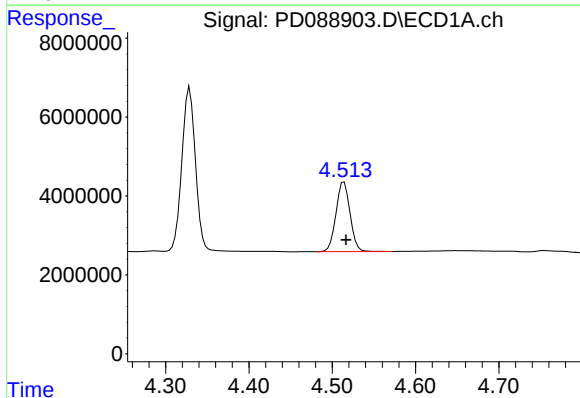
R.T.: 5.242 min
Delta R.T.: -0.031 min
Response: 58249
Conc: 0.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



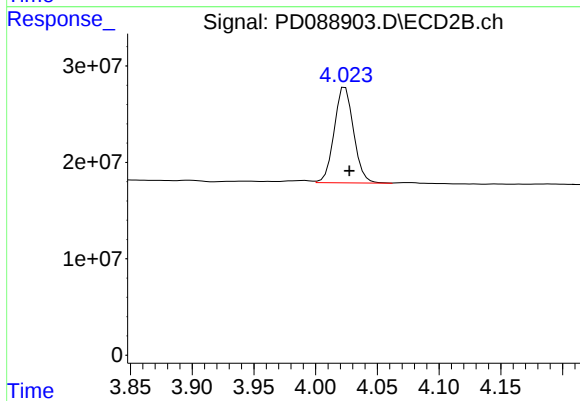
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: -0.008 min
Response: 817988
Conc: 0.04 ng/ml



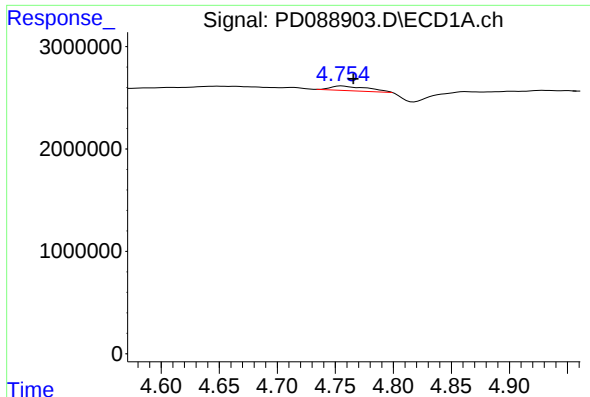
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.003 min
Response: 20645698
Conc: 11.45 ng/ml



#6 beta-BHC

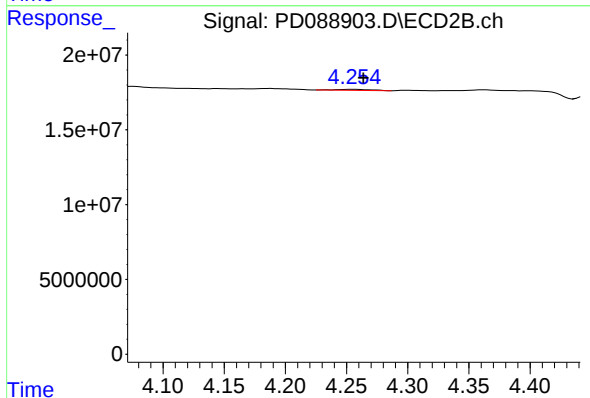
R.T.: 4.024 min
Delta R.T.: -0.003 min
Response: 108601968
Conc: 11.15 ng/ml



#7 delta-BHC

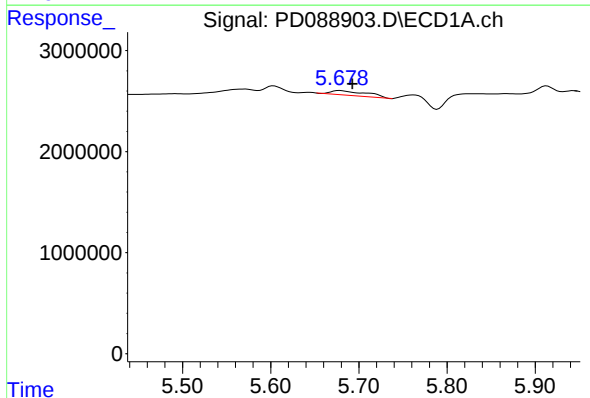
R.T.: 4.756 min
Delta R.T.: -0.010 min
Response: 983547
Conc: 0.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



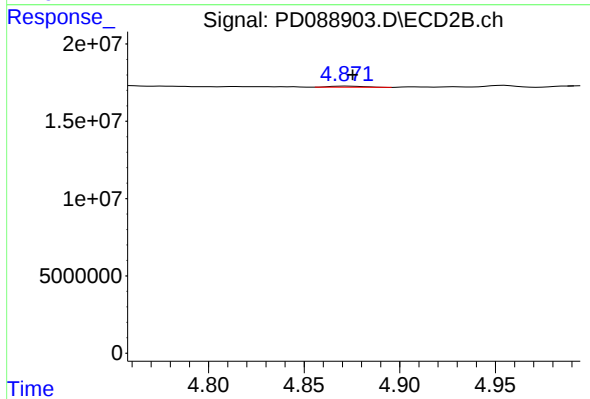
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: -0.009 min
Response: 1338848
Conc: 0.06 ng/ml



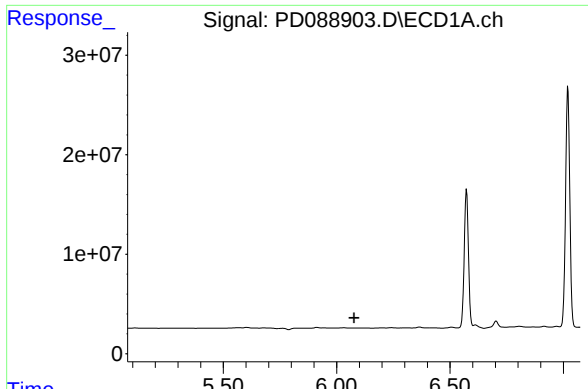
#8 Heptachlor epoxide

R.T.: 5.679 min
Delta R.T.: -0.014 min
Response: 1280953
Conc: 0.32 ng/ml



#8 Heptachlor epoxide

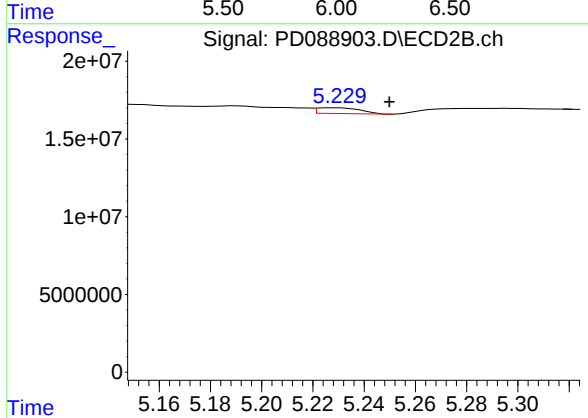
R.T.: 4.872 min
Delta R.T.: -0.003 min
Response: 918543
Conc: 0.05 ng/ml



#9 Endosulfan I

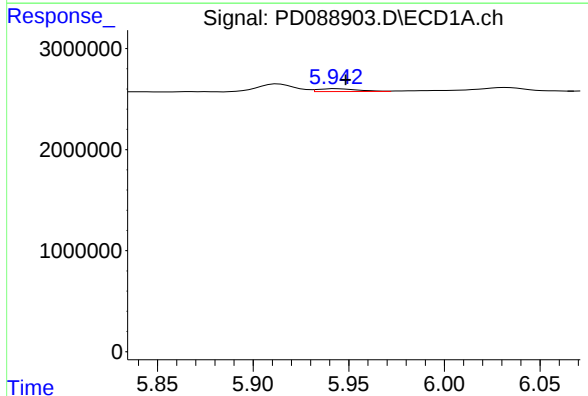
R.T.: 0.000 min
Exp R.T.: 6.077 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



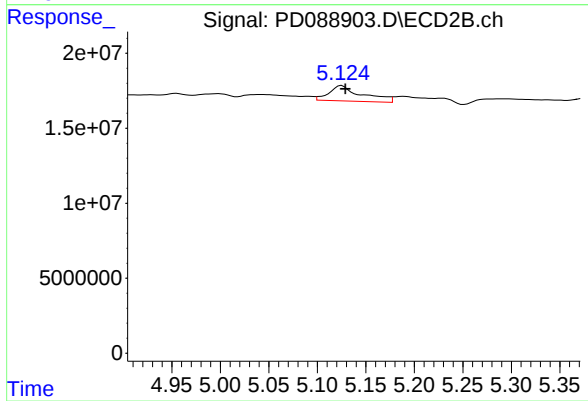
#9 Endosulfan I

R.T.: 5.230 min
Delta R.T.: -0.020 min
Response: 4431025
Conc: 0.23 ng/ml



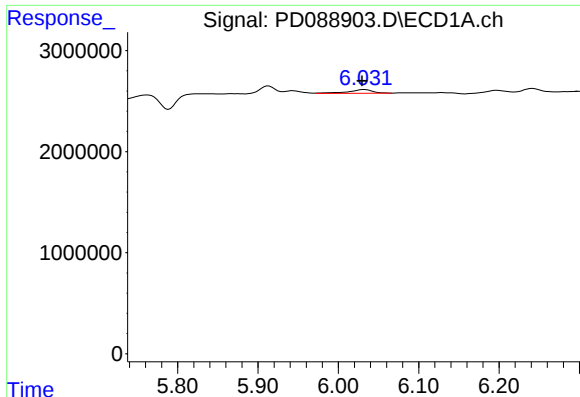
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: -0.005 min
Response: 420750
Conc: 0.11 ng/ml



#10 gamma-Chlordane

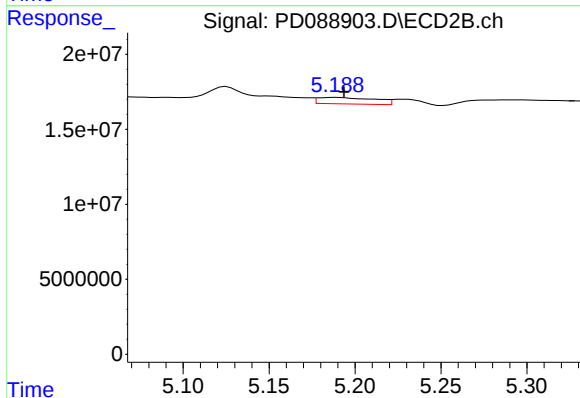
R.T.: 5.125 min
Delta R.T.: -0.004 min
Response: 24242657
Conc: 1.14 ng/ml



#11 alpha-Chlordane

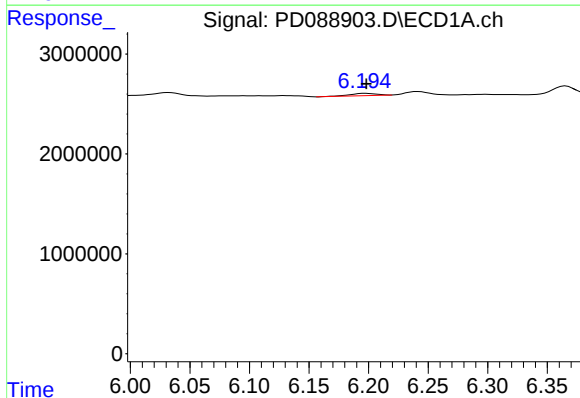
R.T.: 6.032 min
Delta R.T.: 0.003 min
Response: 790555
Conc: 0.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



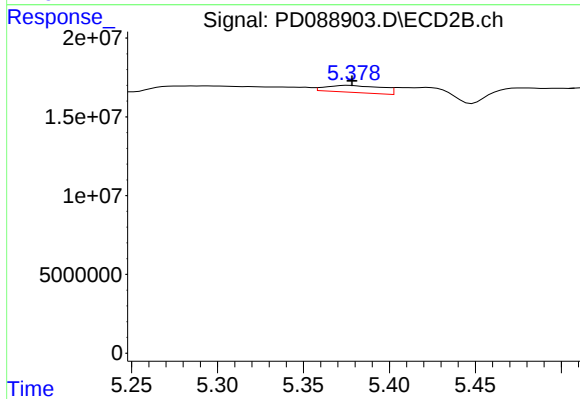
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: -0.004 min
Response: 9830948
Conc: 0.48 ng/ml



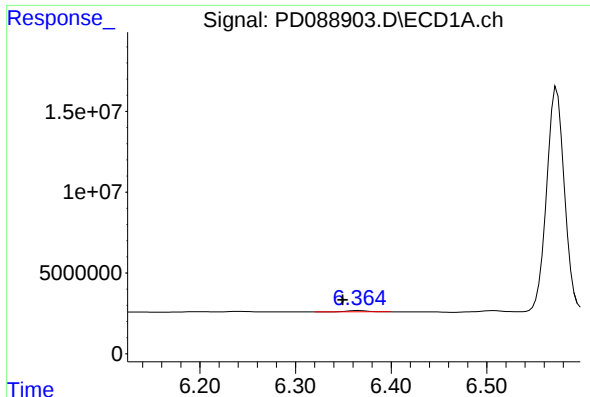
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: -0.001 min
Response: 342181
Conc: 0.10 ng/ml



#12 4,4'-DDE

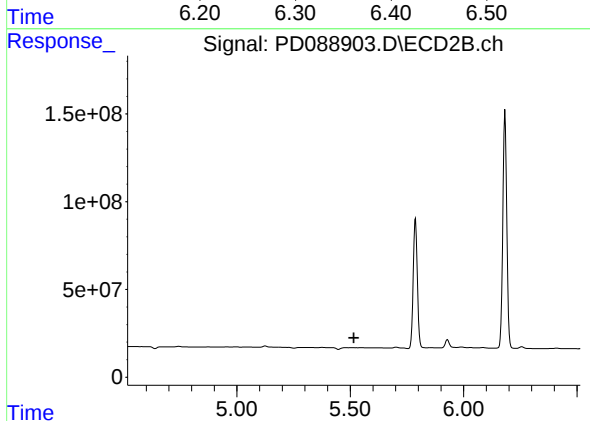
R.T.: 5.376 min
Delta R.T.: -0.002 min
Response: 10071196
Conc: 0.48 ng/ml



#13 Dieldrin

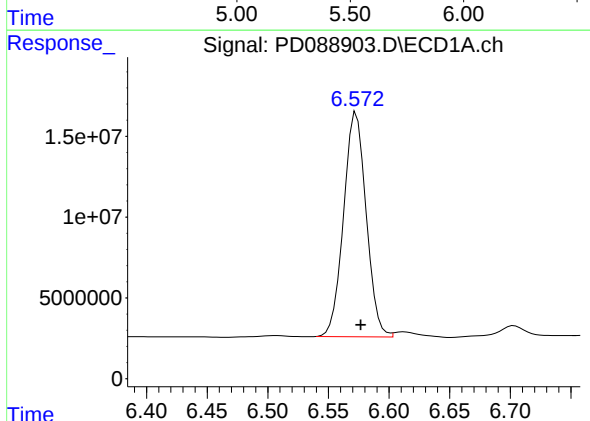
R.T.: 6.366 min
Delta R.T.: 0.016 min
Response: 1124599
Conc: 0.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



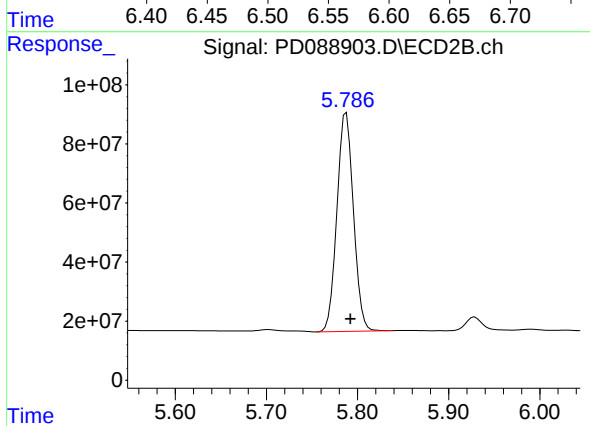
#13 Dieldrin

R.T.: 5.513 min
Delta R.T.: -0.003 min
Response: -8326
Conc: N.D.



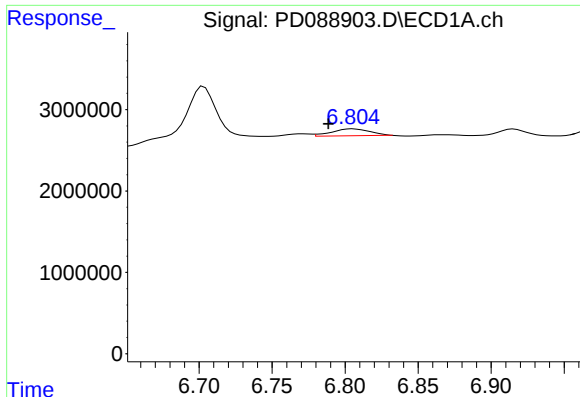
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.003 min
Response: 180242853
Conc: 52.78 ng/ml



#14 Endrin

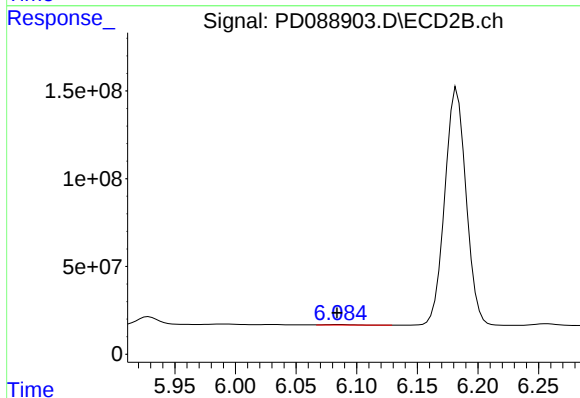
R.T.: 5.788 min
Delta R.T.: -0.005 min
Response: 933166777
Conc: 48.39 ng/ml



#15 Endosulfan II

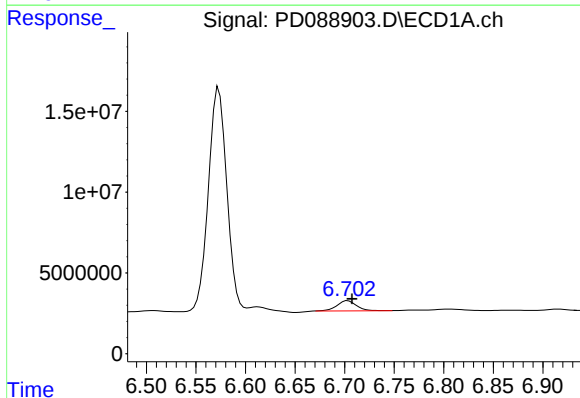
R.T.: 6.805 min
Delta R.T.: 0.016 min
Response: 1560746
Conc: 0.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



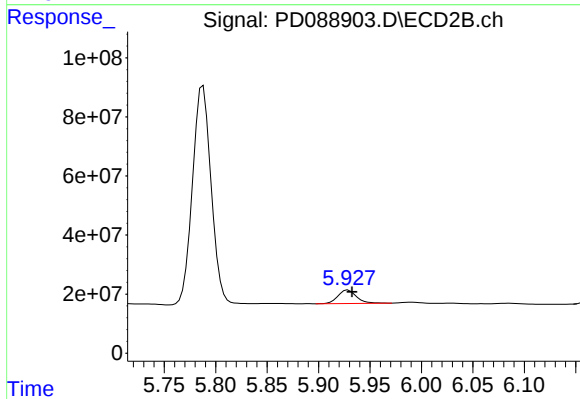
#15 Endosulfan II

R.T.: 6.085 min
Delta R.T.: 0.001 min
Response: 3600103
Conc: 0.20 ng/ml



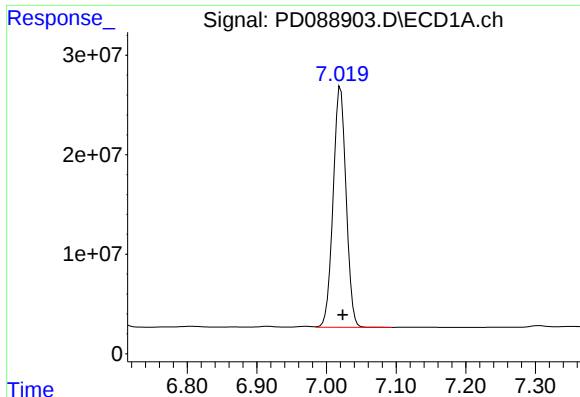
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: -0.004 min
Response: 8646382
Conc: 3.10 ng/ml



#16 4,4'-DDD

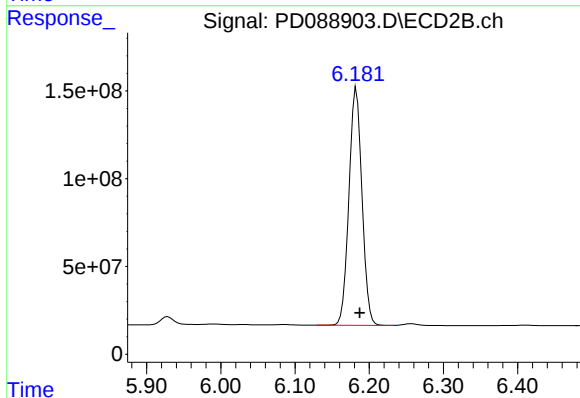
R.T.: 5.929 min
Delta R.T.: -0.004 min
Response: 56738371
Conc: 3.26 ng/ml



#17 4,4'-DDT

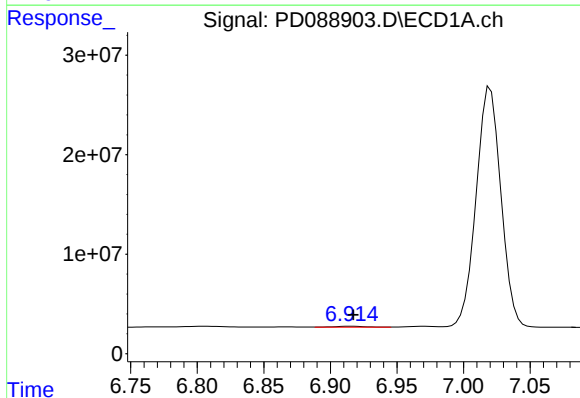
R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 312932038
Conc: 100.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



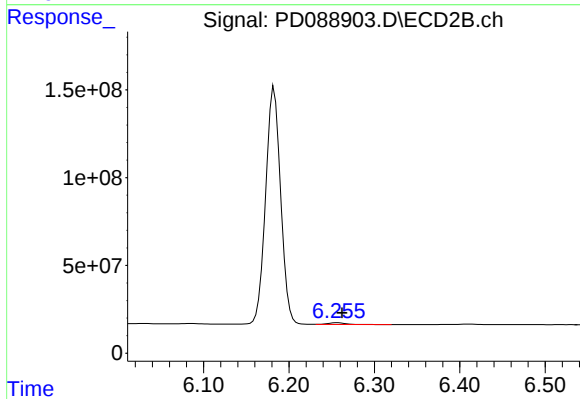
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.004 min
Response: 1648355674
Conc: 90.88 ng/ml



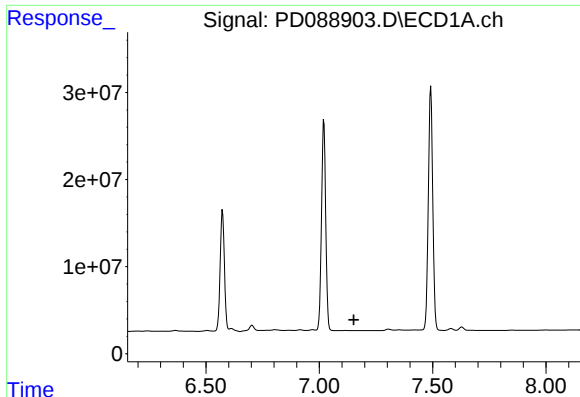
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: -0.002 min
Response: 1386368
Conc: 0.54 ng/ml



#18 Endrin aldehyde

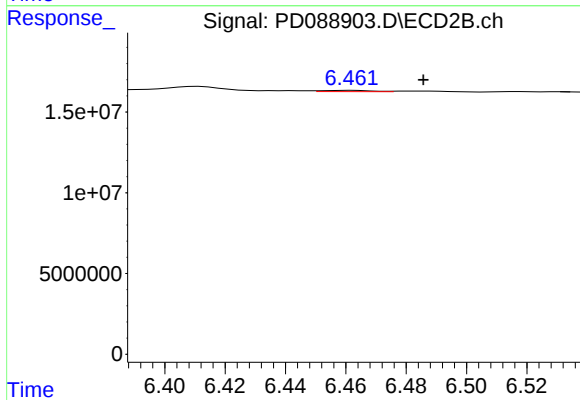
R.T.: 6.257 min
Delta R.T.: -0.005 min
Response: 12221942
Conc: 0.88 ng/ml



#19 Endosulfan Sulfate

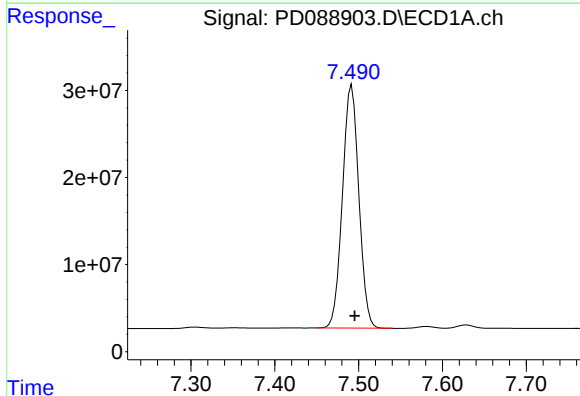
R.T.: 0.000 min
Exp R.T.: 7.152 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



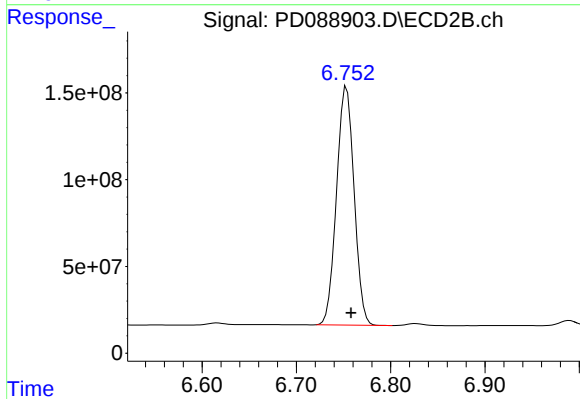
#19 Endosulfan Sulfate

R.T.: 6.462 min
Delta R.T.: -0.024 min
Response: 807977
Conc: 0.05 ng/ml



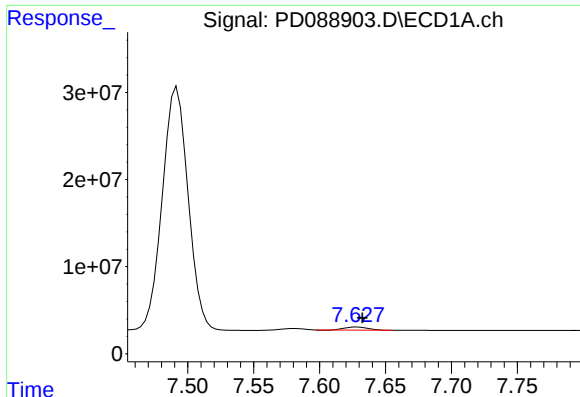
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.003 min
Response: 379928693
Conc: 227.43 ng/ml



#20 Methoxychlor

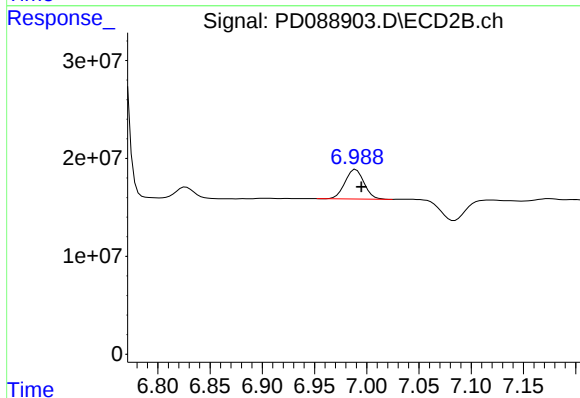
R.T.: 6.753 min
Delta R.T.: -0.005 min
Response: 1780410574
Conc: 185.95 ng/ml



#21 Endrin ketone

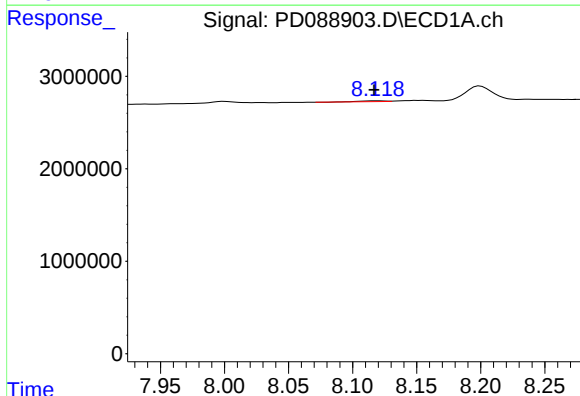
R.T.: 7.629 min
Delta R.T.: -0.004 min
Response: 4413715
Conc: 1.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



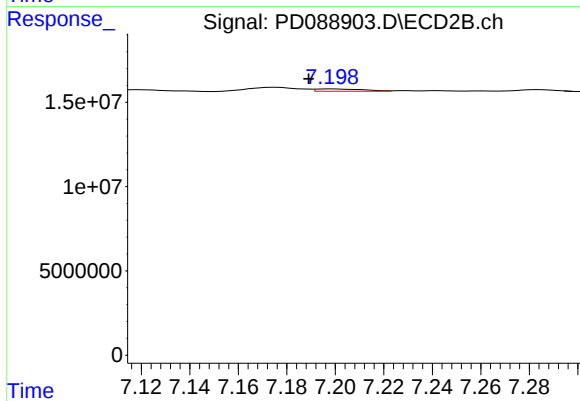
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.005 min
Response: 38121035
Conc: 1.97 ng/ml



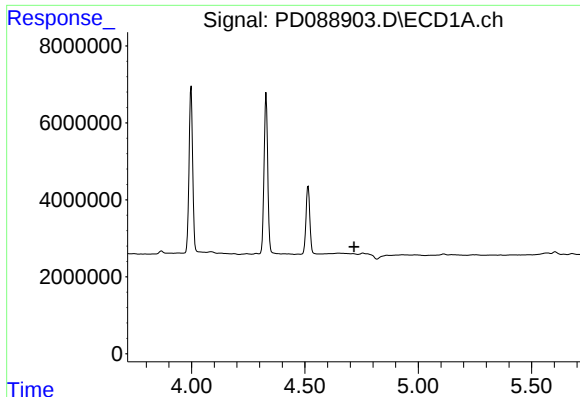
#22 Mirex

R.T.: 8.119 min
Delta R.T.: 0.002 min
Response: 92084
Conc: 0.04 ng/ml



#22 Mirex

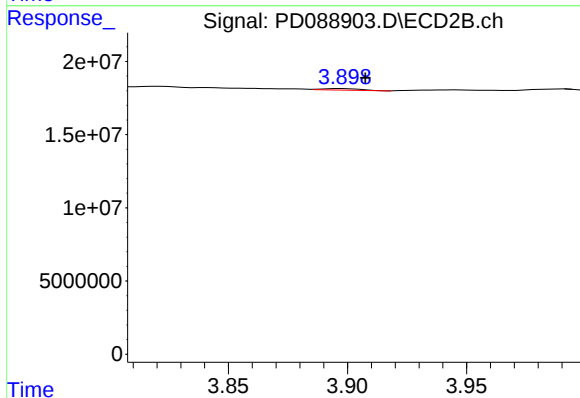
R.T.: 7.199 min
Delta R.T.: 0.010 min
Response: 1907321
Conc: 0.13 ng/ml



#23 Chlordane-1

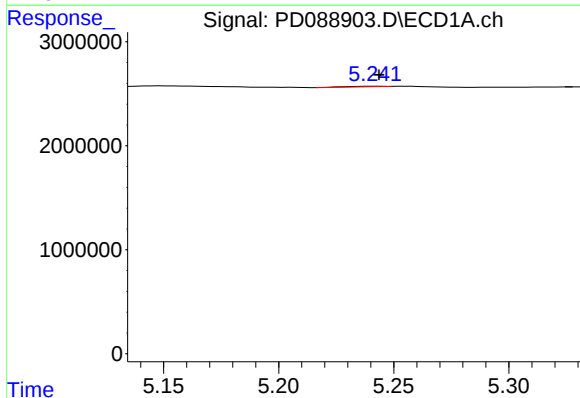
R.T.: 0.000 min
Exp R.T.: 4.717 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



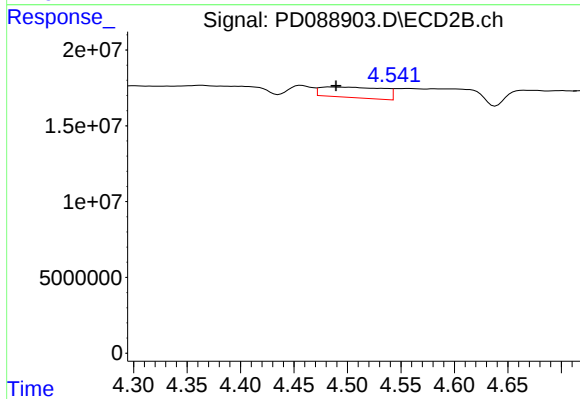
#23 Chlordane-1

R.T.: 3.898 min
Delta R.T.: -0.010 min
Response: 1167445
Conc: 1.41 ng/ml



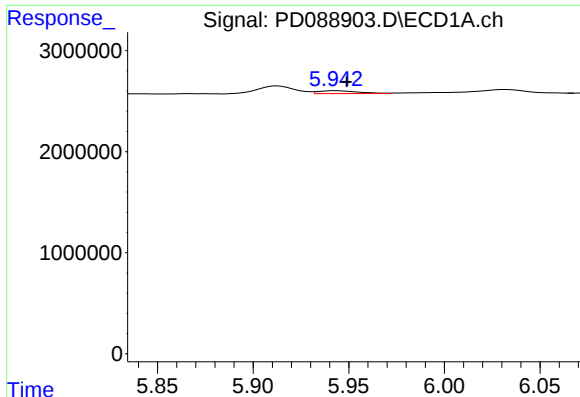
#24 Chlordane-2

R.T.: 5.242 min
Delta R.T.: -0.001 min
Response: 58249
Conc: 0.32 ng/ml



#24 Chlordane-2

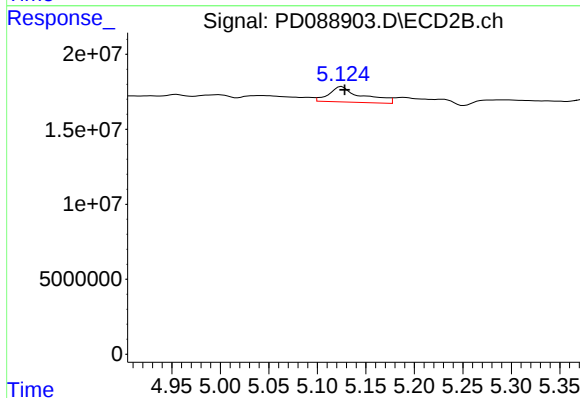
R.T.: 4.483 min
Delta R.T.: -0.006 min
Response: 28185075
Conc: 33.39 ng/ml



#25 Chlordane-3

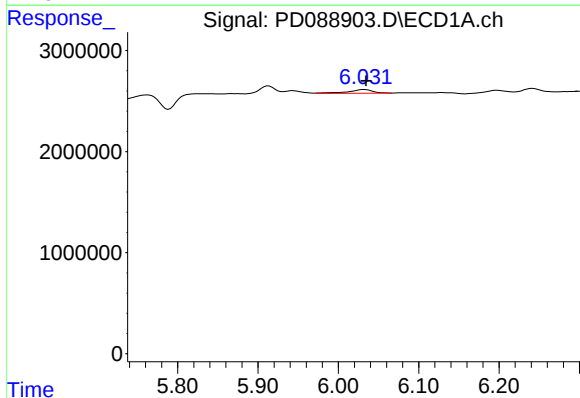
R.T.: 5.943 min
Delta R.T.: -0.006 min
Response: 420750
Conc: 0.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



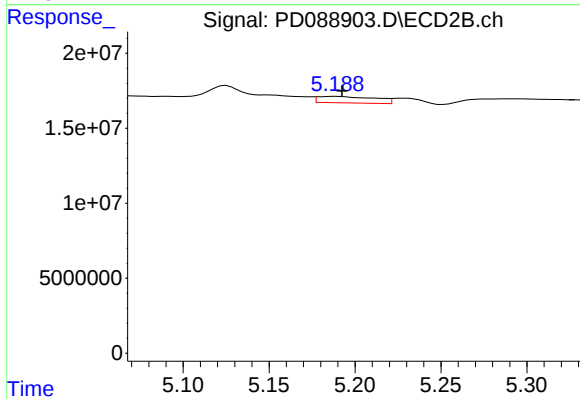
#25 Chlordane-3

R.T.: 5.125 min
Delta R.T.: -0.003 min
Response: 24242657
Conc: 9.19 ng/ml



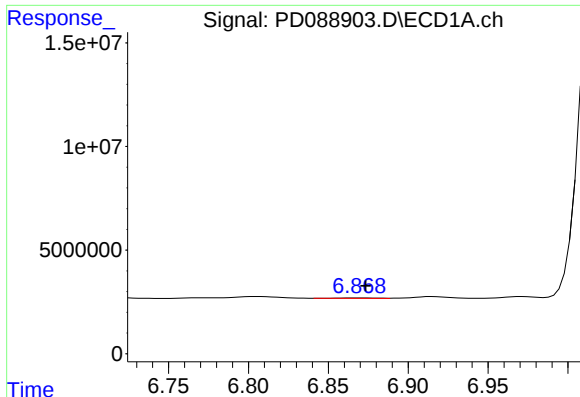
#26 Chlordane-4

R.T.: 6.032 min
Delta R.T.: -0.002 min
Response: 790555
Conc: 0.88 ng/ml



#26 Chlordane-4

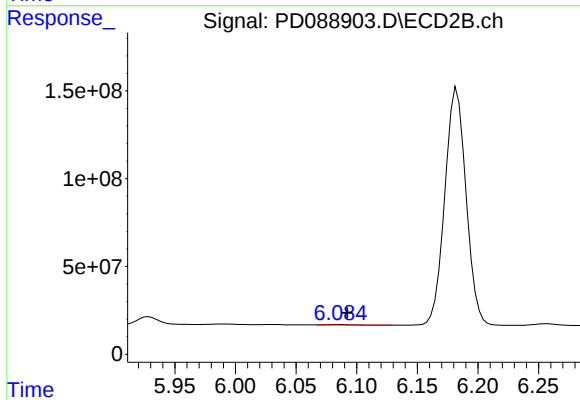
R.T.: 5.190 min
Delta R.T.: -0.003 min
Response: 9830948
Conc: 4.44 ng/ml



#27 Chlordane-5

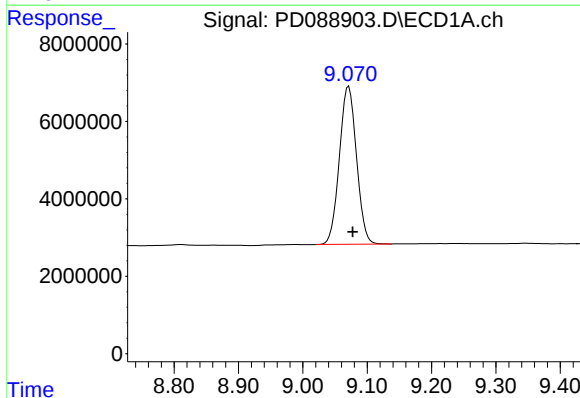
R.T.: 6.868 min
Delta R.T.: -0.006 min
Response: 299254
Conc: 1.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



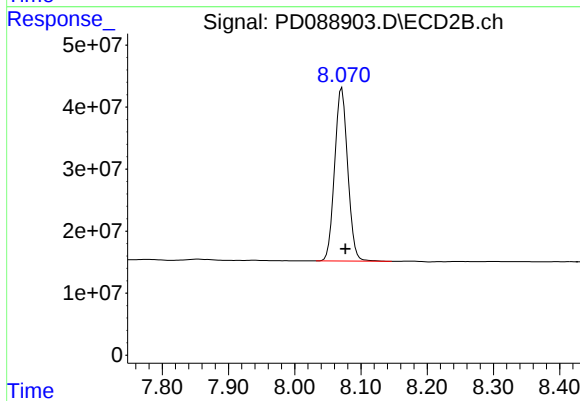
#27 Chlordane-5

R.T.: 6.085 min
Delta R.T.: -0.007 min
Response: 3600103
Conc: 3.60 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.006 min
Response: 75503045
Conc: 22.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.005 min
Response: 383553543
Conc: 21.01 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061125\
 Data File : PD088904.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Jun 2025 08:47
 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: Jun 12 07:38:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.879	121.8E6	722.5E6	56.283	47.761
28)	SA Decachlor...	9.071	8.071	164.0E6	824.4E6	47.918	45.158
Target Compounds							
2)	A alpha-BHC	3.998	3.392	254.3E6	1137.8E6	53.247	47.597
3)	MA gamma-BHC...	4.329	3.729	242.0E6	1057.3E6	52.572	47.699
4)	MA Heptachlor	4.928	4.082	226.6E6	1020.8E6	50.674	45.461
5)	MB Aldrin	5.270	4.368	228.7E6	1086.1E6	52.031	49.527
6)	B beta-BHC	4.514	4.024	94421555	454.3E6	52.365	46.629
7)	B delta-BHC	4.763	4.261	234.6E6	1064.8E6	55.522	47.761
8)	B Heptachlo...	5.689	4.872	204.1E6	935.8E6	51.430	47.094
9)	A Endosulfan I	6.074	5.246	192.2E6	810.1E6	51.071	42.685
10)	B gamma-Chl...	5.945	5.125	207.0E6	1008.0E6	51.904	47.251
11)	B alpha-Chl...	6.026	5.189	206.4E6	969.6E6	51.523	47.011
12)	B 4,4'-DDE	6.194	5.375	183.8E6	1044.7E6	51.202	49.979
13)	MA Dieldrin	6.346	5.512	204.5E6	990.6E6	50.976	47.073
14)	MA Endrin	6.573	5.789	173.1E6	891.4E6	50.687	46.224
15)	B Endosulfa...	6.785	6.080	173.5E6	867.7E6	50.372	47.360
16)	A 4,4'-DDD	6.704	5.929	149.9E6	835.3E6	53.829	48.026
17)	MA 4,4'-DDT	7.020	6.183	150.1E6	823.3E6	48.076	45.393
18)	B Endrin al...	6.914	6.258	126.1E6	637.6E6	48.976	45.773
19)	B Endosulfa...	7.148	6.481	159.4E6	828.7E6	49.760	46.670
20)	A Methoxychlor	7.492	6.753	77165608	425.4E6	46.192	44.425
21)	B Endrin ke...	7.629	6.991	170.9E6	918.2E6	49.913	47.458
22)	Mirex	8.112	7.184	124.8E6	701.3E6	48.042	46.129
23)	Chlordane-1	0.000	3.897	0	207911	N.D.	0.252 #
24)	Chlordane-2	5.270f	4.506	228.7E6	151.6E6	1246.026	179.618 #
25)	Chlordane-3	5.945	5.125	207.0E6	1008.0E6	279.823	382.262 #
26)	Chlordane-4	6.026	5.189	206.4E6	969.6E6	230.326	438.237 #
27)	Chlordane-5	0.000	6.080	0	867.7E6	N.D.	866.989 #

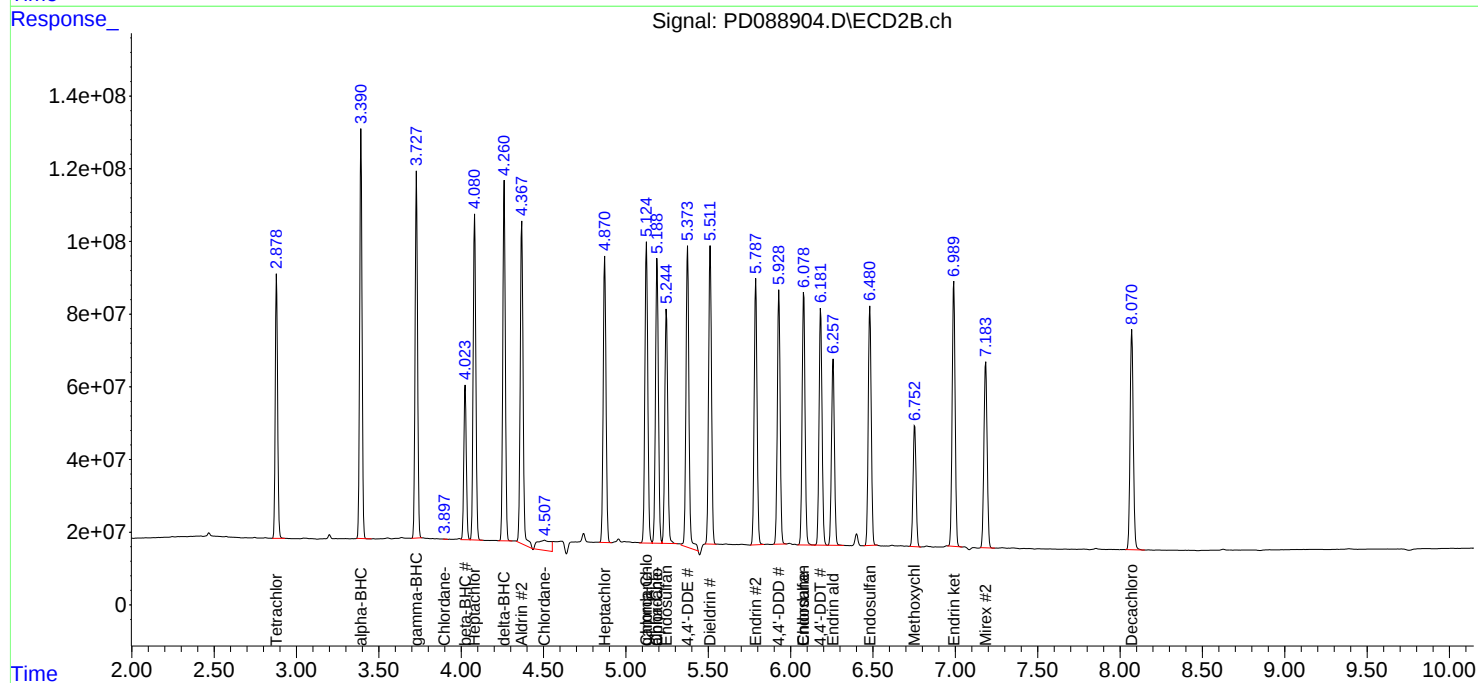
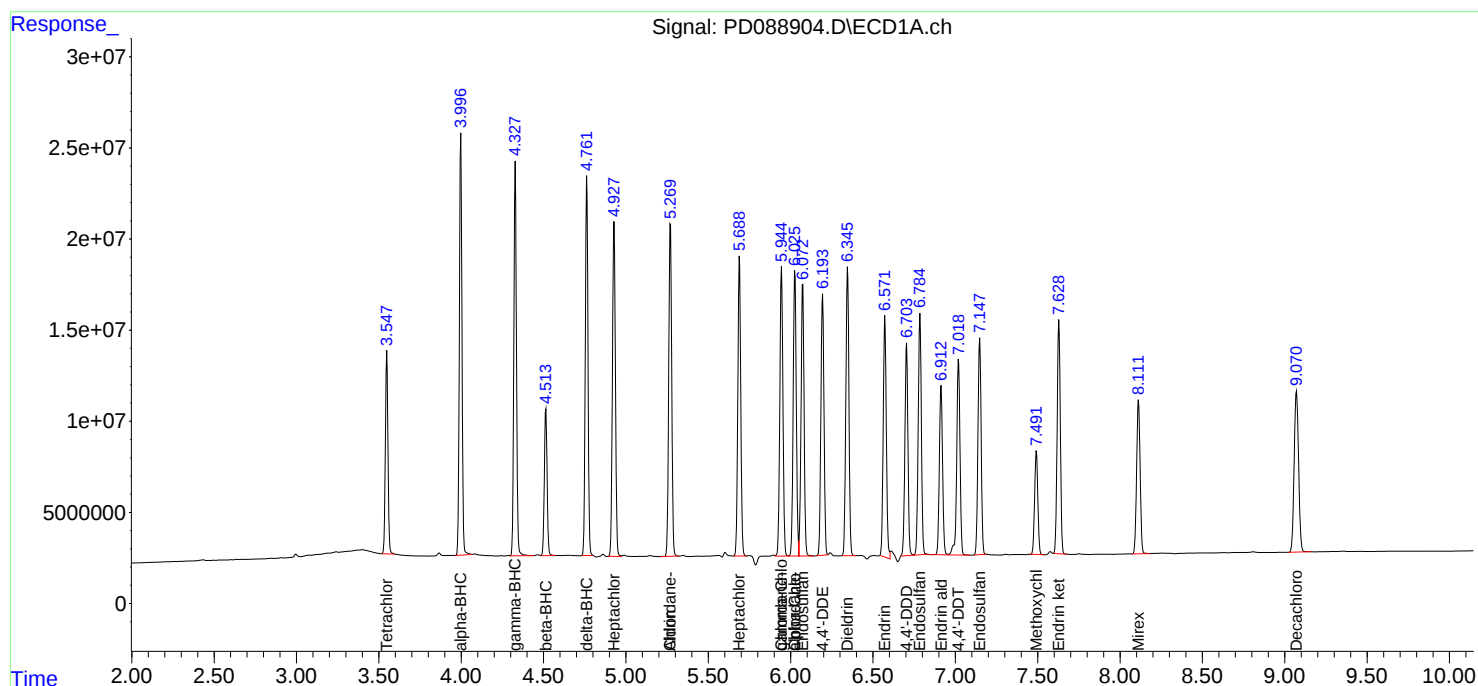
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

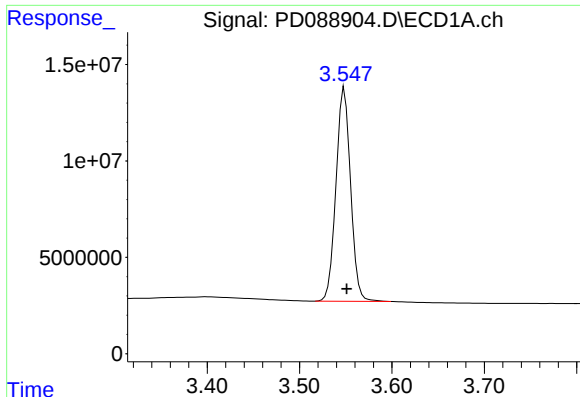
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061125\
Data File : PD088904.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 08:47
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 07:38:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

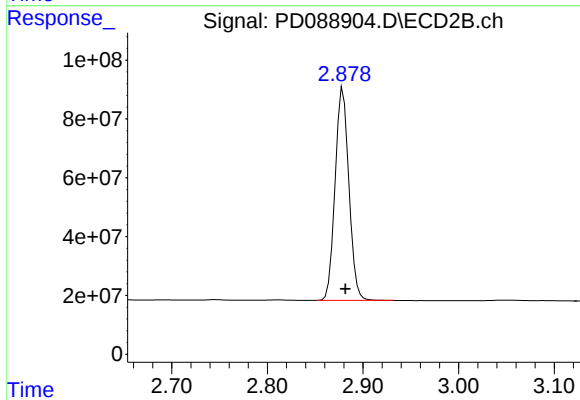




#1 Tetrachloro-m-xylene

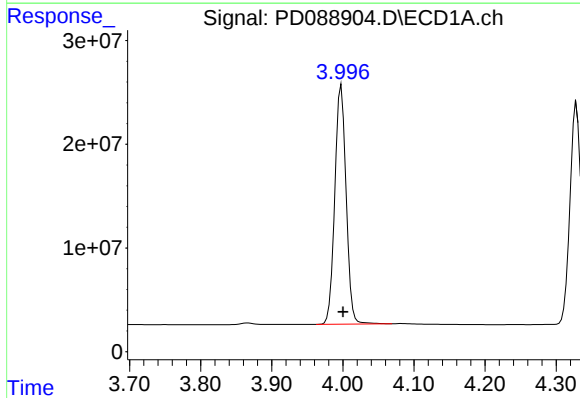
R.T.: 3.549 min
Delta R.T.: -0.002 min
Response: 121783069
Conc: 56.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



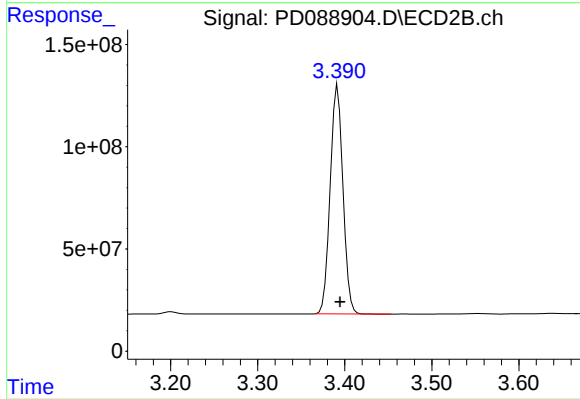
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 722470854
Conc: 47.76 ng/ml



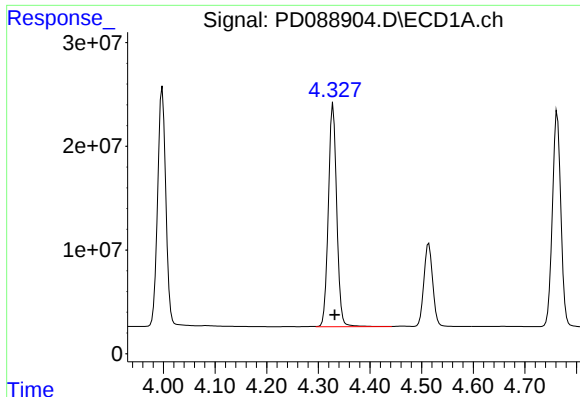
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.003 min
Response: 254337661
Conc: 53.25 ng/ml



#2 alpha-BHC

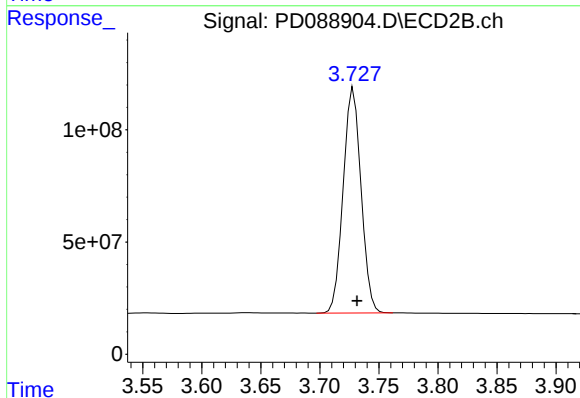
R.T.: 3.392 min
Delta R.T.: -0.003 min
Response: 1137754581
Conc: 47.60 ng/ml



#3 gamma-BHC (Lindane)

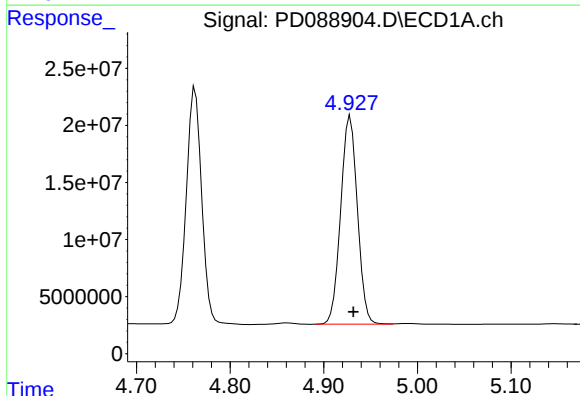
R.T.: 4.329 min
Delta R.T.: -0.003 min
Response: 241973942
Conc: 52.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



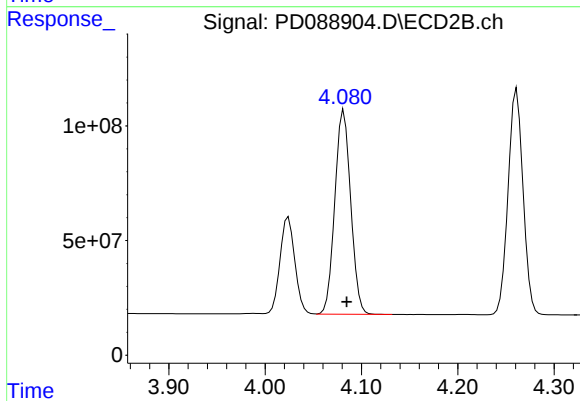
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: -0.003 min
Response: 1057281187
Conc: 47.70 ng/ml



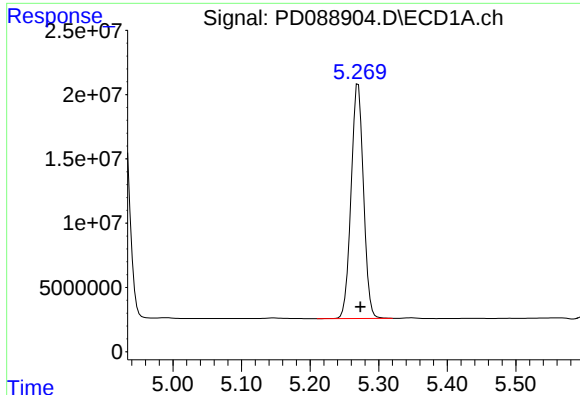
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: -0.003 min
Response: 226572475
Conc: 50.67 ng/ml



#4 Heptachlor

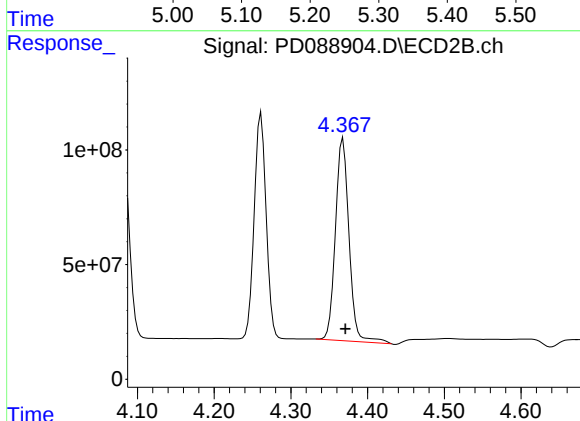
R.T.: 4.082 min
Delta R.T.: -0.003 min
Response: 1020823157
Conc: 45.46 ng/ml



#5 Aldrin

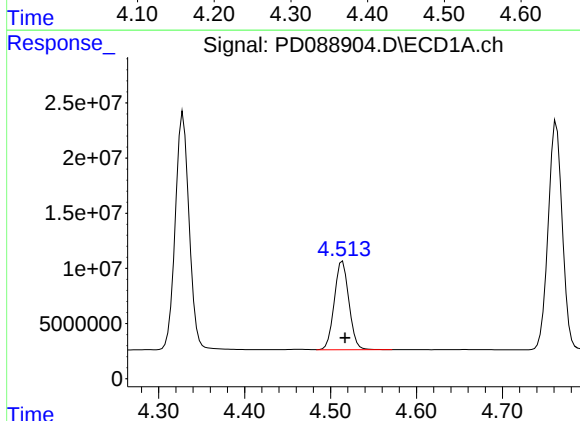
R.T.: 5.270 min
Delta R.T.: -0.003 min
Response: 228652382
Conc: 52.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



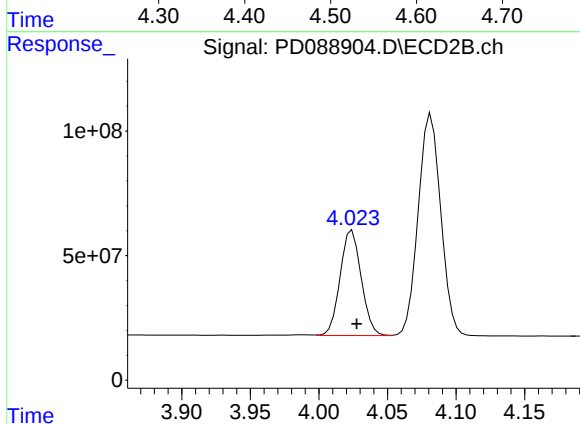
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: -0.003 min
Response: 1086128943
Conc: 49.53 ng/ml



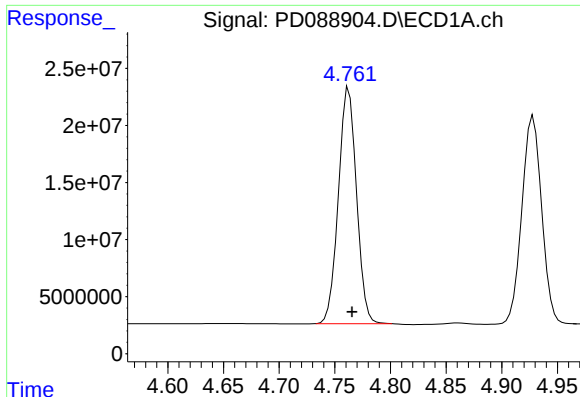
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.003 min
Response: 94421555
Conc: 52.36 ng/ml



#6 beta-BHC

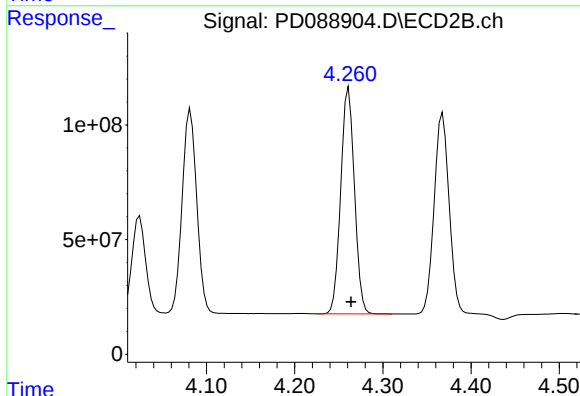
R.T.: 4.024 min
Delta R.T.: -0.003 min
Response: 454258832
Conc: 46.63 ng/ml



#7 delta-BHC

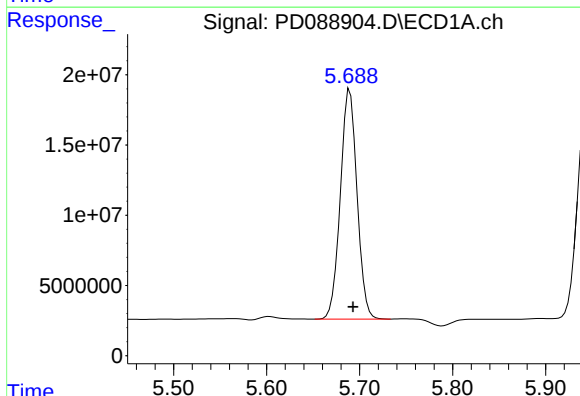
R.T.: 4.763 min
Delta R.T.: -0.003 min
Response: 234642208
Conc: 55.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



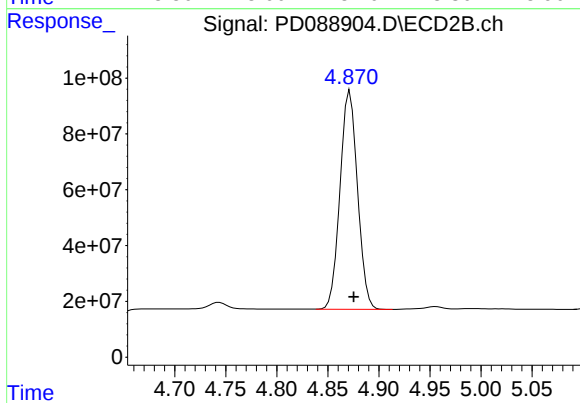
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.003 min
Response: 1064786633
Conc: 47.76 ng/ml



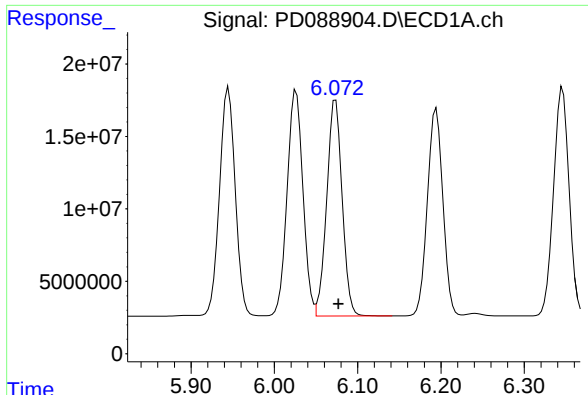
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: -0.003 min
Response: 204140765
Conc: 51.43 ng/ml



#8 Heptachlor epoxide

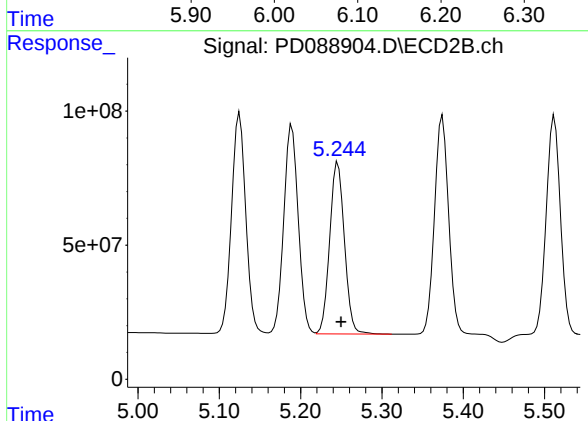
R.T.: 4.872 min
Delta R.T.: -0.004 min
Response: 935827397
Conc: 47.09 ng/ml



#9 Endosulfan I

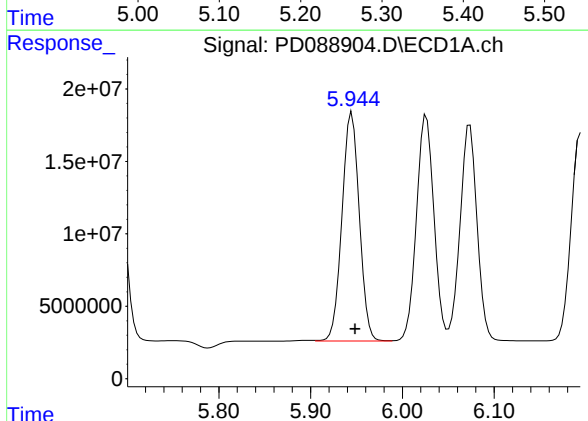
R.T.: 6.074 min
Delta R.T.: -0.003 min
Response: 192174434
Conc: 51.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



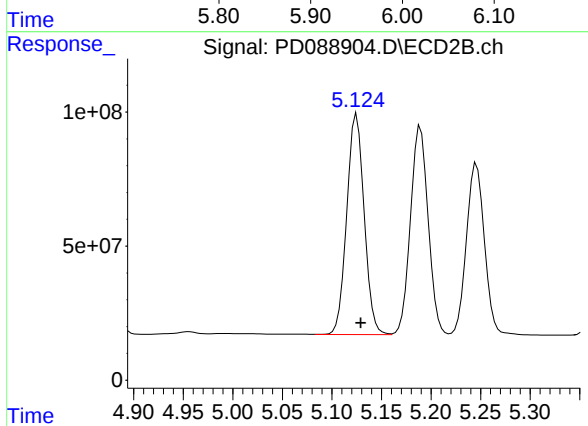
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: -0.004 min
Response: 810092664
Conc: 42.68 ng/ml



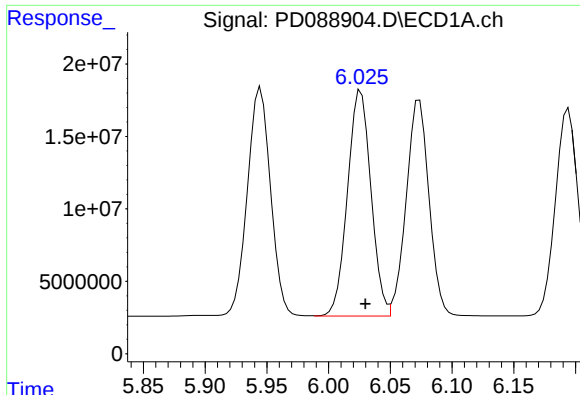
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: -0.003 min
Response: 207042405
Conc: 51.90 ng/ml



#10 gamma-Chlordane

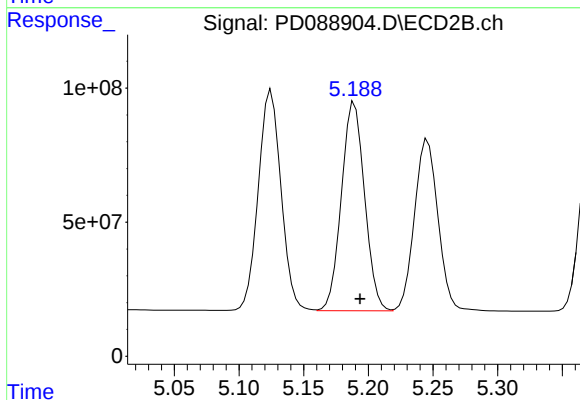
R.T.: 5.125 min
Delta R.T.: -0.004 min
Response: 1007960233
Conc: 47.25 ng/ml



#11 alpha-Chlordane

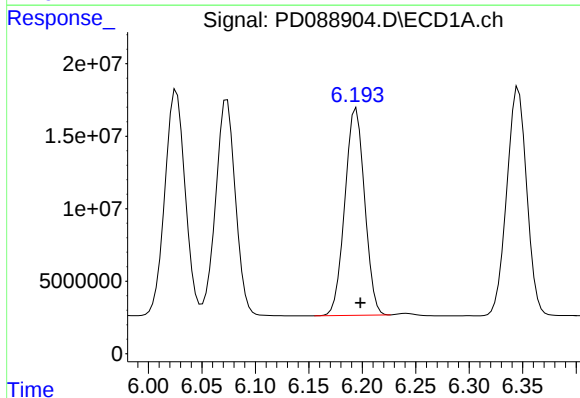
R.T.: 6.026 min
Delta R.T.: -0.004 min
Response: 206413967
Conc: 51.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



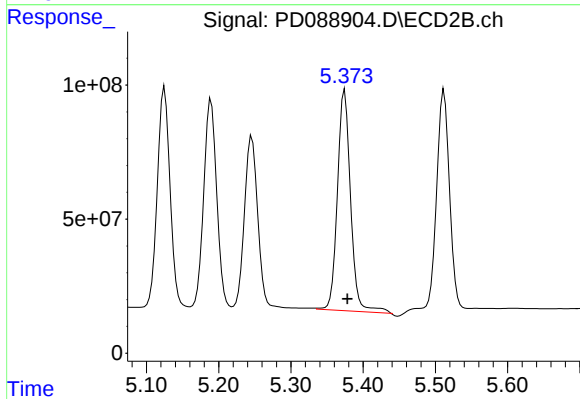
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.004 min
Response: 969596141
Conc: 47.01 ng/ml



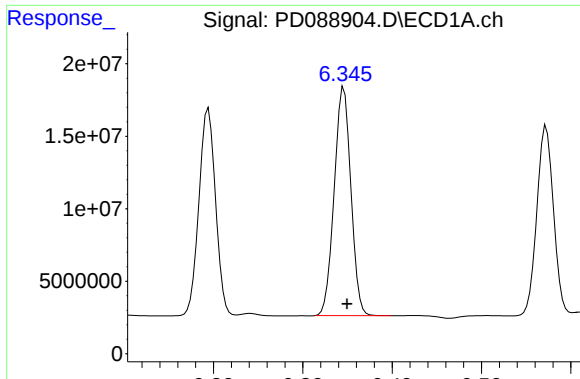
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: -0.004 min
Response: 183783121
Conc: 51.20 ng/ml



#12 4,4'-DDE

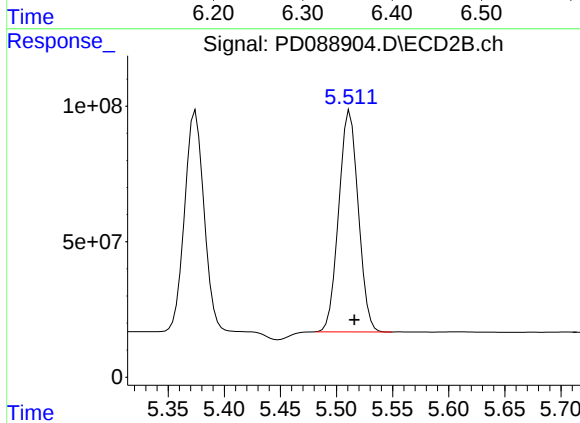
R.T.: 5.375 min
Delta R.T.: -0.004 min
Response: 1044691467
Conc: 49.98 ng/ml



#13 Dieldrin

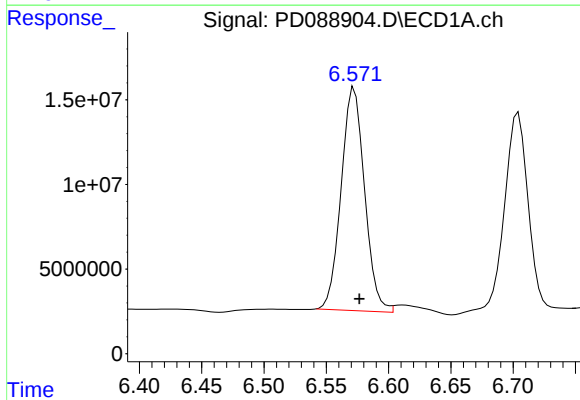
R.T.: 6.346 min
Delta R.T.: -0.004 min
Response: 204501355
Conc: 50.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



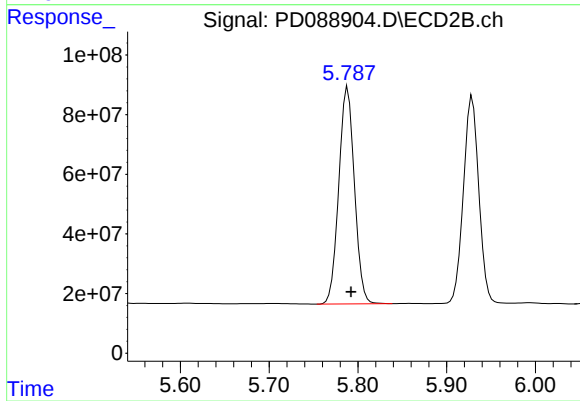
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: -0.004 min
Response: 990590651
Conc: 47.07 ng/ml



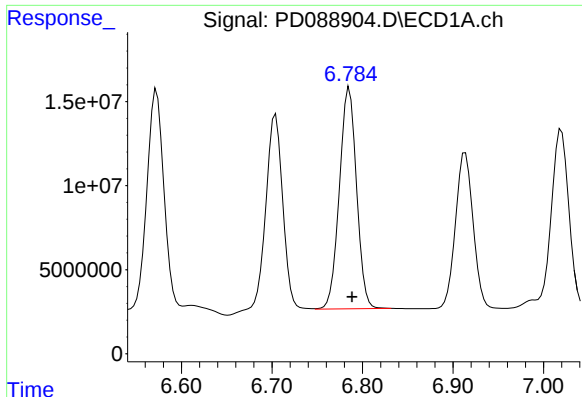
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.004 min
Response: 173104283
Conc: 50.69 ng/ml



#14 Endrin

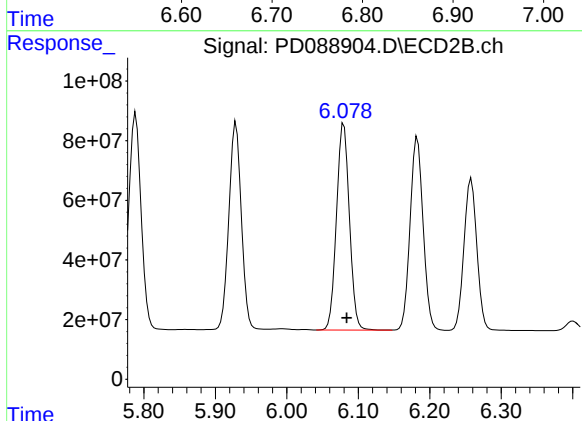
R.T.: 5.789 min
Delta R.T.: -0.004 min
Response: 891375006
Conc: 46.22 ng/ml



#15 Endosulfan II

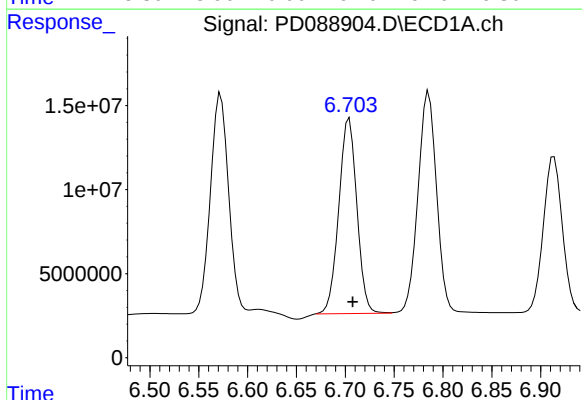
R.T.: 6.785 min
Delta R.T.: -0.003 min
Response: 173459703
Conc: 50.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



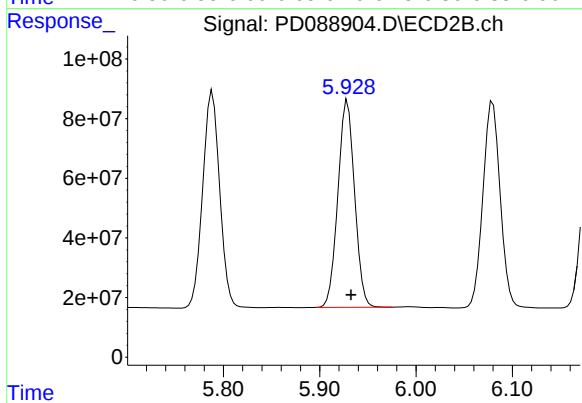
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: -0.004 min
Response: 867728966
Conc: 47.36 ng/ml



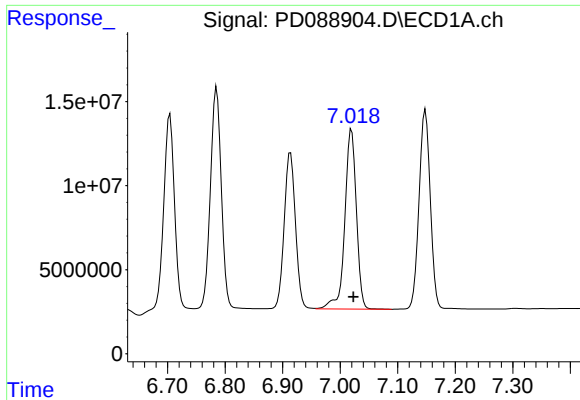
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.003 min
Response: 149919905
Conc: 53.83 ng/ml



#16 4,4'-DDD

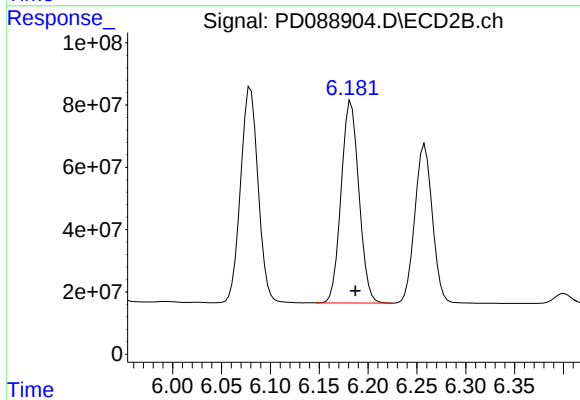
R.T.: 5.929 min
Delta R.T.: -0.004 min
Response: 835281630
Conc: 48.03 ng/ml



#17 4,4'-DDT

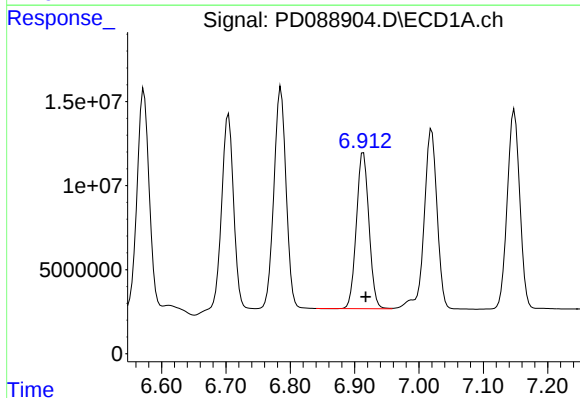
R.T.: 7.020 min
Delta R.T.: -0.004 min
Response: 150094683
Conc: 48.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



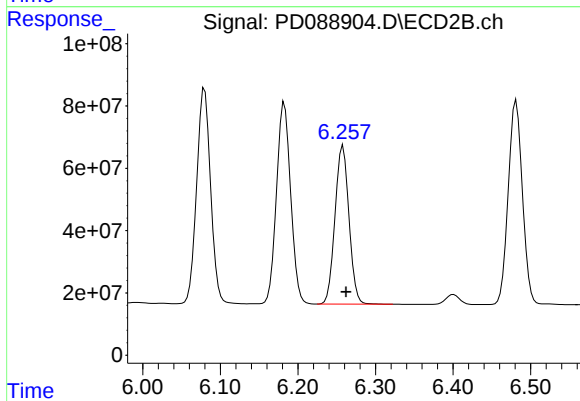
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.004 min
Response: 823303112
Conc: 45.39 ng/ml



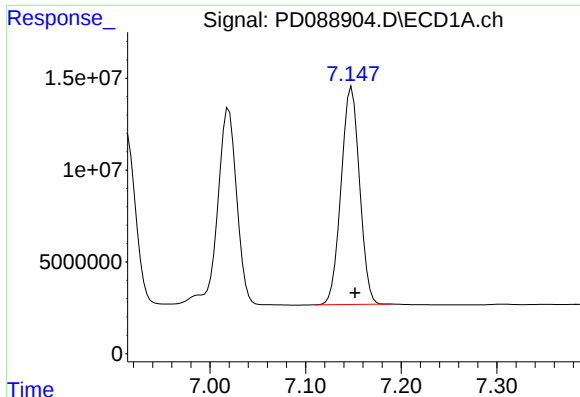
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: -0.004 min
Response: 126093073
Conc: 48.98 ng/ml



#18 Endrin aldehyde

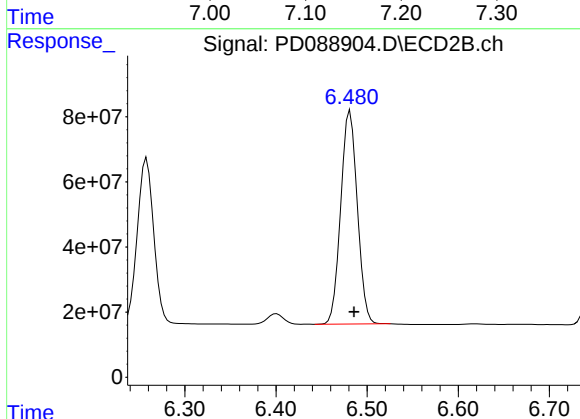
R.T.: 6.258 min
Delta R.T.: -0.004 min
Response: 637562056
Conc: 45.77 ng/ml



#19 Endosulfan Sulfate

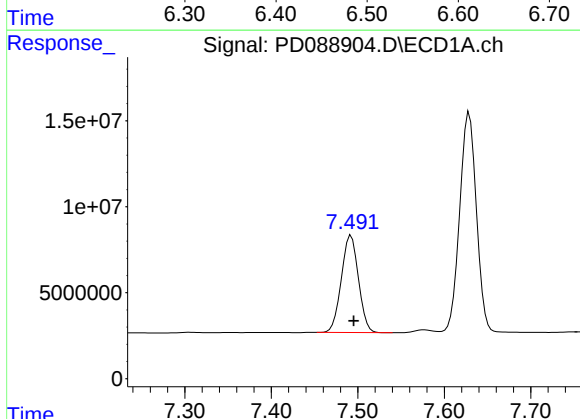
R.T.: 7.148 min
Delta R.T.: -0.003 min
Response: 159385227
Conc: 49.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



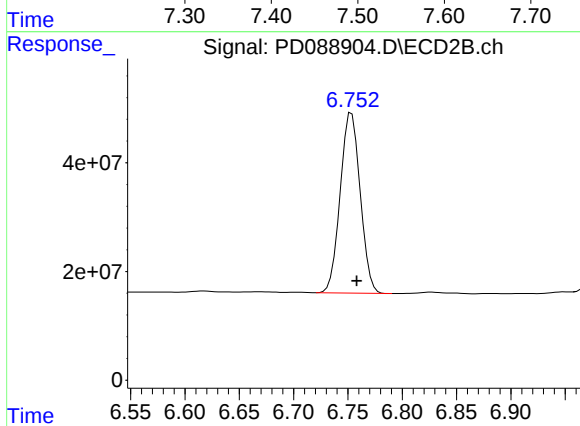
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: -0.004 min
Response: 828666892
Conc: 46.67 ng/ml



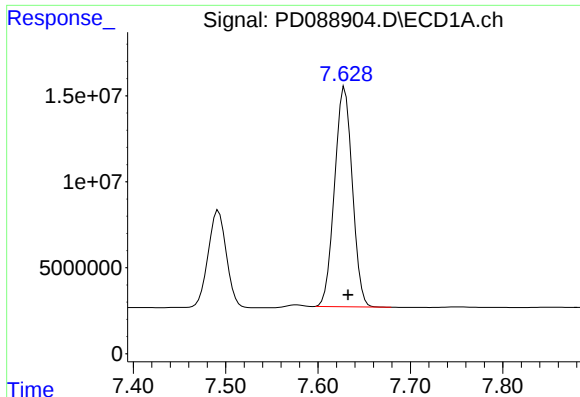
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.003 min
Response: 77165608
Conc: 46.19 ng/ml



#20 Methoxychlor

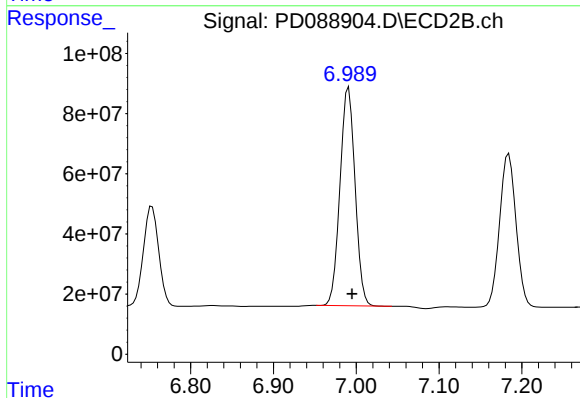
R.T.: 6.753 min
Delta R.T.: -0.005 min
Response: 425356356
Conc: 44.42 ng/ml



#21 Endrin ketone

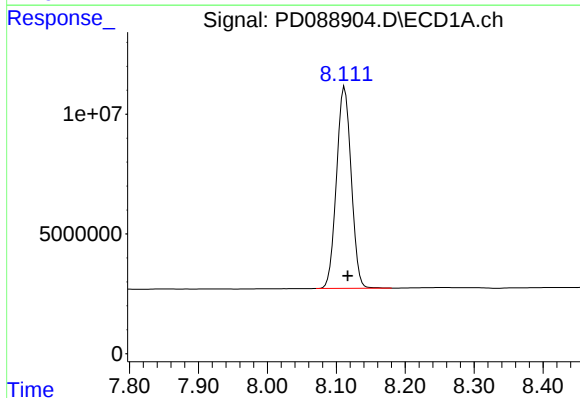
R.T.: 7.629 min
Delta R.T.: -0.004 min
Response: 170860833
Conc: 49.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



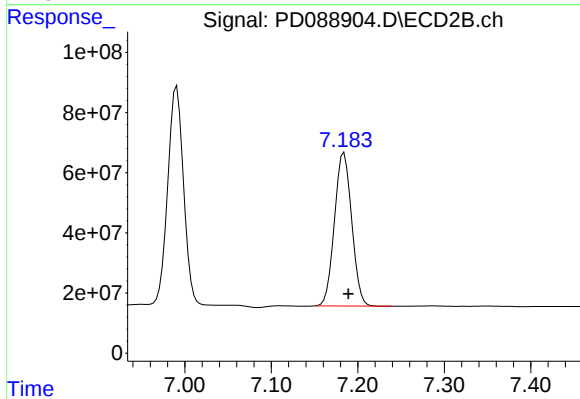
#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: -0.004 min
Response: 918194677
Conc: 47.46 ng/ml



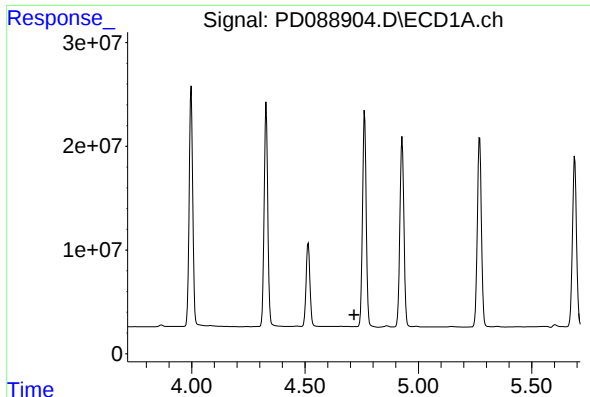
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.005 min
Response: 124826902
Conc: 48.04 ng/ml



#22 Mirex

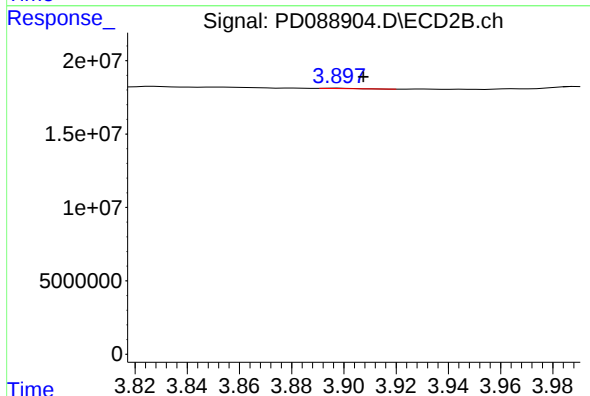
R.T.: 7.184 min
Delta R.T.: -0.005 min
Response: 701273040
Conc: 46.13 ng/ml



#23 Chlordane-1

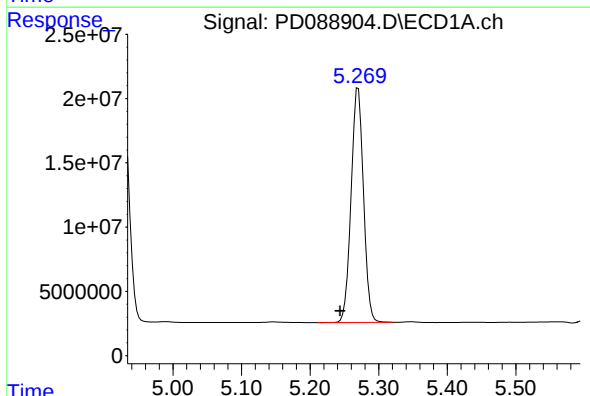
R.T.: 0.000 min
Exp R.T.: 4.717 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



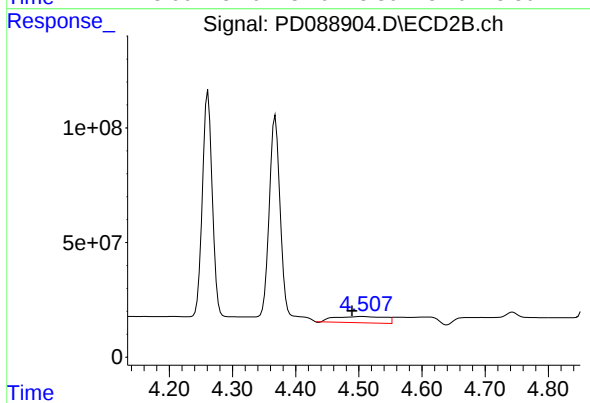
#23 Chlordane-1

R.T.: 3.897 min
Delta R.T.: -0.010 min
Response: 207911
Conc: 0.25 ng/ml



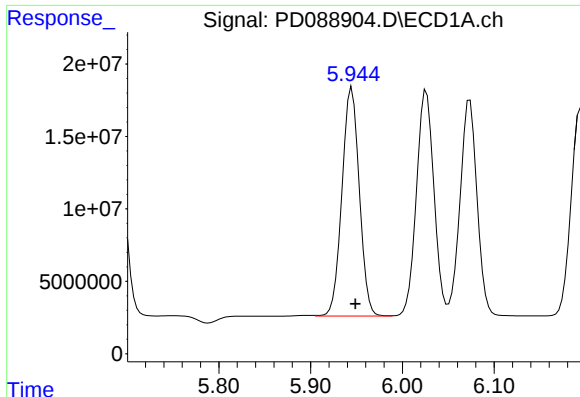
#24 Chlordane-2

R.T.: 5.270 min
Delta R.T.: 0.027 min
Response: 228652382
Conc: 1246.03 ng/ml



#24 Chlordane-2

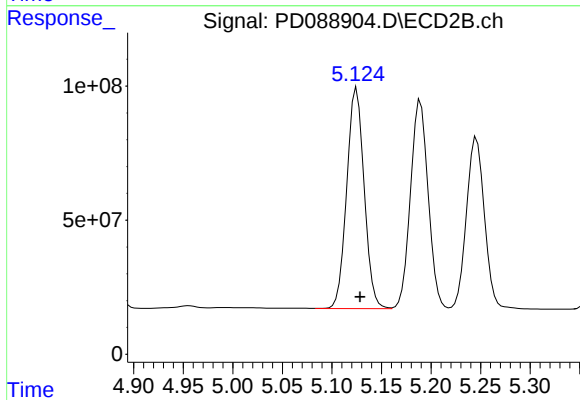
R.T.: 4.506 min
Delta R.T.: 0.017 min
Response: 151598461
Conc: 179.62 ng/ml



#25 Chlordane-3

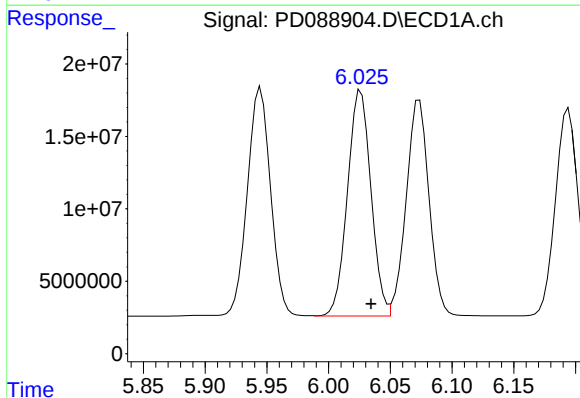
R.T.: 5.945 min
Delta R.T.: -0.004 min
Response: 207042405
Conc: 279.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



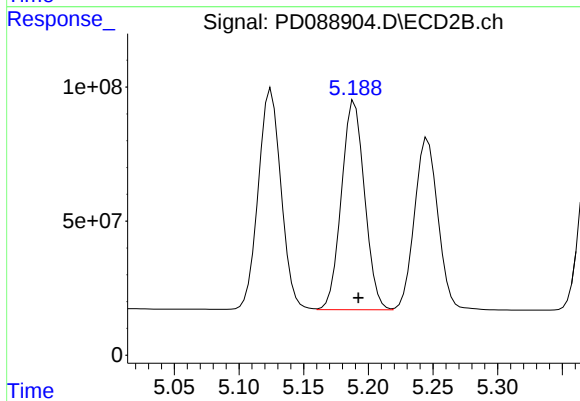
#25 Chlordane-3

R.T.: 5.125 min
Delta R.T.: -0.003 min
Response: 1007960233
Conc: 382.26 ng/ml



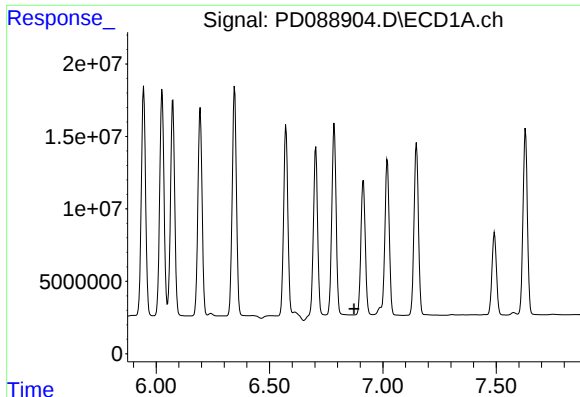
#26 Chlordane-4

R.T.: 6.026 min
Delta R.T.: -0.008 min
Response: 206413967
Conc: 230.33 ng/ml



#26 Chlordane-4

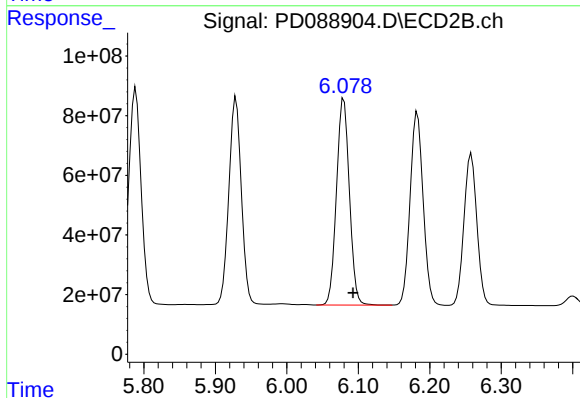
R.T.: 5.189 min
Delta R.T.: -0.003 min
Response: 969596141
Conc: 438.24 ng/ml



#27 Chlordane-5

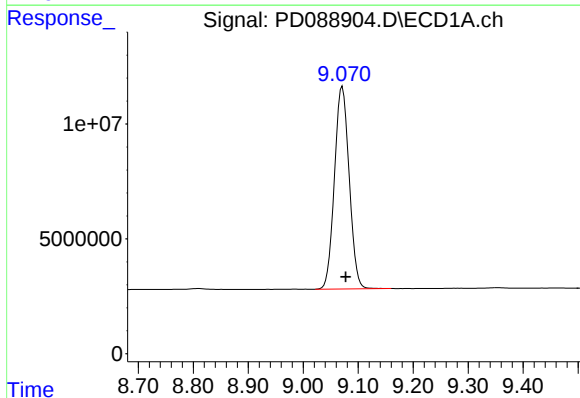
R.T.: 0.000 min
Exp R.T.: 6.873 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



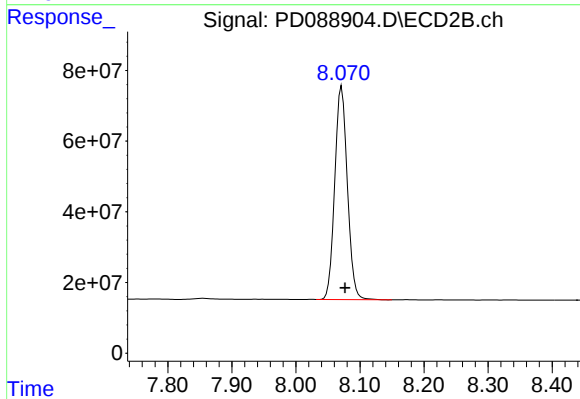
#27 Chlordane-5

R.T.: 6.080 min
Delta R.T.: -0.013 min
Response: 867728966
Conc: 866.99 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.006 min
Response: 163991386
Conc: 47.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.005 min
Response: 824416671
Conc: 45.16 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061125\
 Data File : PD088912.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Jun 2025 12:22
 Operator : AR\AJ
 Sample : Q2259-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 OU4-PCS-TC-37-060525

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 12 07:39:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.880	48668472	302.1E6	22.493	19.971
28)	SA Decachlor...	9.072	8.072	73242855	368.5E6	21.401	20.186
Target Compounds							
2)	A alpha-BHC	3.978f	3.401	197997	6858484	0.041	0.287 #
3)	MA gamma-BHC...	4.336	3.730	426795	195666	0.093	0.009 #
4)	MA Heptachlor	4.946	4.086	4778788	8995009	1.069	0.401 #
5)	MB Aldrin	5.261	4.364	328627	1170415	0.075	0.053 #
6)	B beta-BHC	4.494f	4.035	1269365	21207061	0.704	2.177 #
7)	B delta-BHC	4.776	0.000	6381086	0	1.510	N.D. #
8)	B Heptachlo...	5.703	0.000	944771	0	0.238	N.D. #
9)	A Endosulfan I	6.068	5.271f	616897	7167484	0.164	0.378 #
11)	B alpha-Chl...	6.033	5.207	1074880	11080667	0.268	0.537 #
12)	B 4,4'-DDE	0.000	5.378	0	10110824	N.D.	0.484 #
13)	MA Dieldrin	6.361	5.500f	335284	4032265	0.084	0.192 #
14)	MA Endrin	0.000	5.787	0	31865387	N.D.	1.652 #
15)	B Endosulfa...	6.776	6.066f	1666834	7776632	0.484	0.424
16)	A 4,4'-DDD	6.698	0.000	2018547	0	0.725	N.D. #
17)	MA 4,4'-DDT	7.022	6.185	1267145	17026762	0.406	0.939 #
18)	B Endrin al...	6.944f	6.249	2354155	7737865	0.914	0.556 #
19)	B Endosulfa...	7.142	6.482	235691	153199	0.074	0.009 #
20)	A Methoxychlor	7.491	6.752	9892498	65772225	5.922	6.869
21)	B Endrin ke...	7.612f	6.972f	550294	31655265	0.161	1.636 #
23)	Chlordane-1	4.688f	3.898	3457393	20968189	19.186	25.375 #
24)	Chlordane-2	5.261	4.516f	328627	25986715	1.791	30.790 #
25)	Chlordane-3	0.000	5.165f	0	24226612	N.D.	9.188 #
26)	Chlordane-4	6.033	5.207	1074880	11080667	1.199	5.008 #
27)	Chlordane-5	6.883	6.103	542105	5477454	3.563	5.473 #

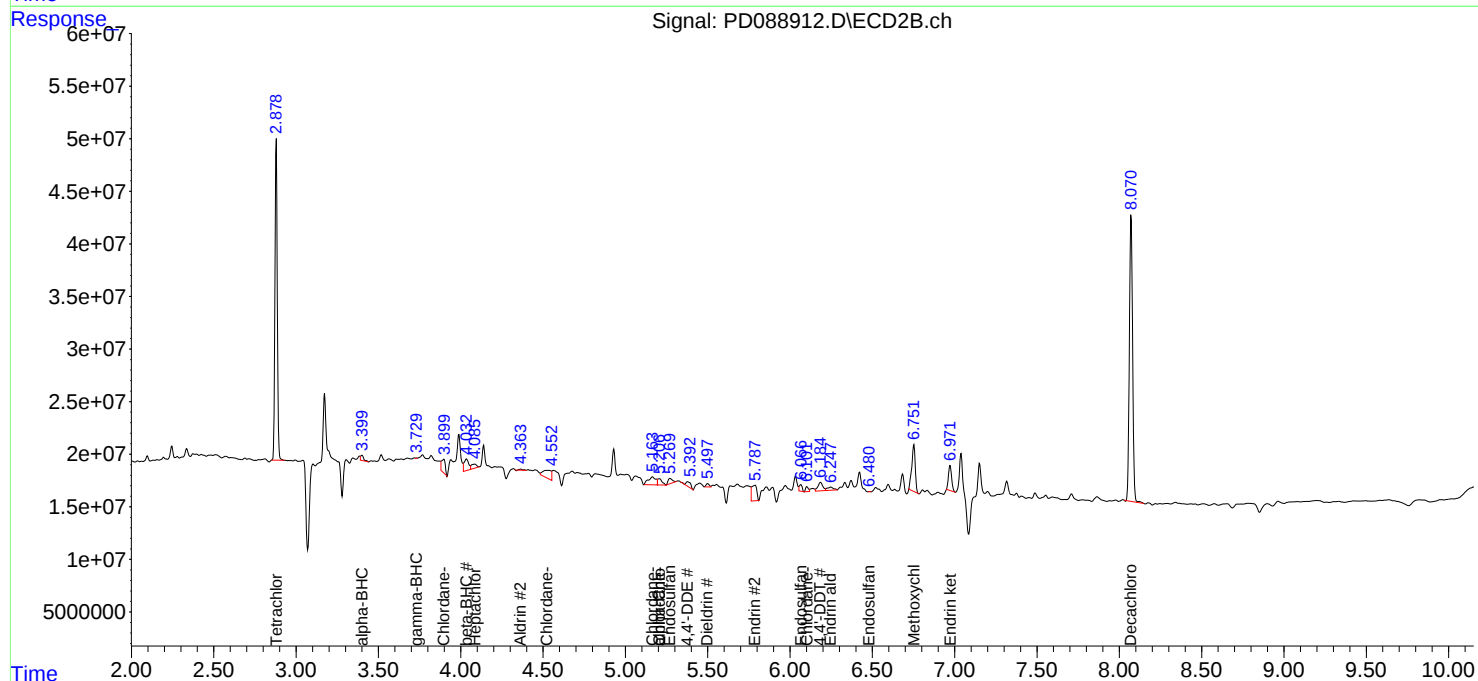
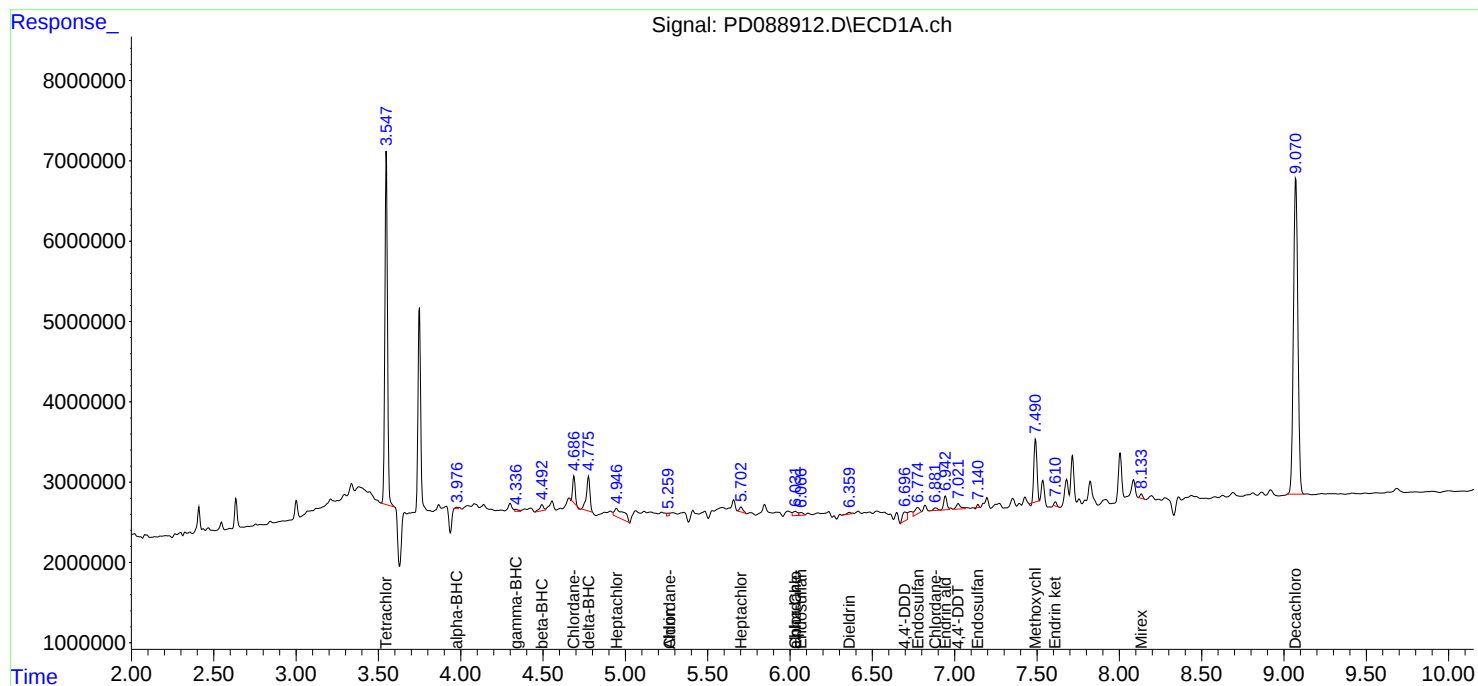
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

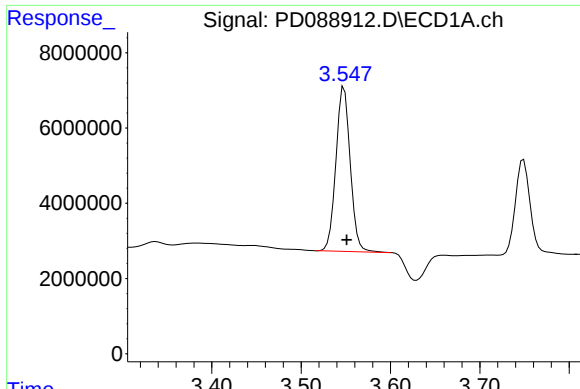
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061125\
Data File : PD088912.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 12:22
Operator : AR\AJ
Sample : Q2259-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-37-060525

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 07:39:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

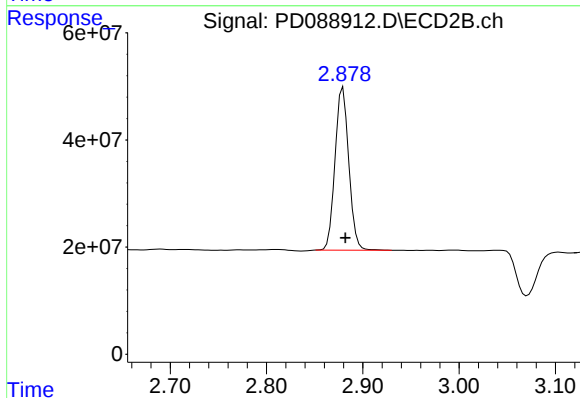




#1 Tetrachloro-m-xylene

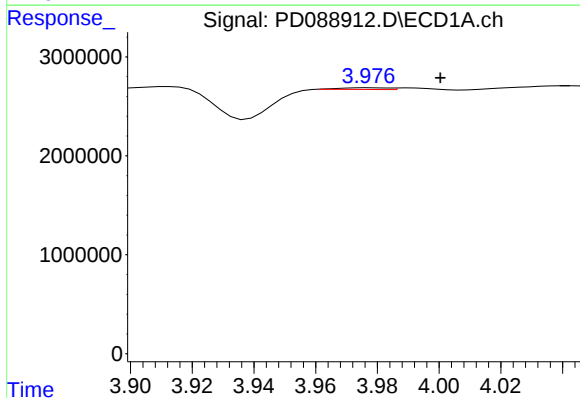
R.T.: 3.548 min
Delta R.T.: -0.003 min
Response: 48668472
Conc: 22.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-37-060525



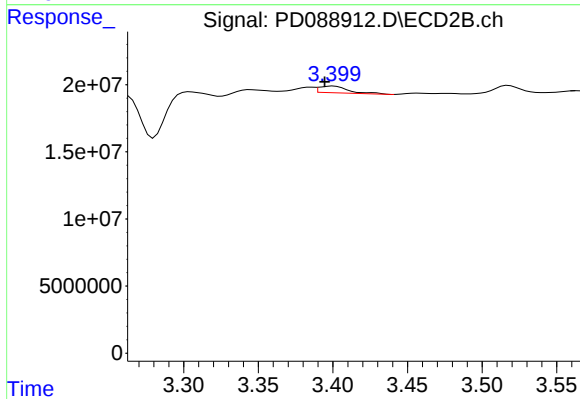
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.002 min
Response: 302105303
Conc: 19.97 ng/ml



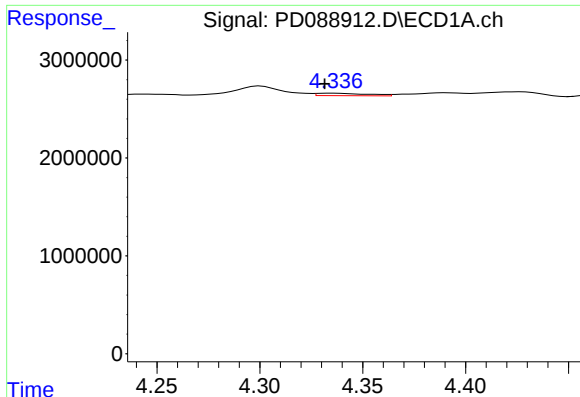
#2 alpha-BHC

R.T.: 3.978 min
Delta R.T.: -0.023 min
Response: 197997
Conc: 0.04 ng/ml



#2 alpha-BHC

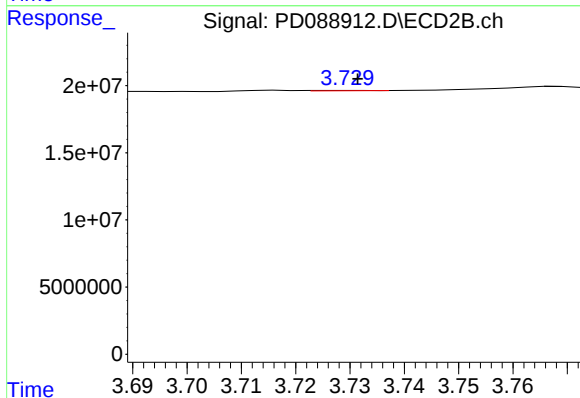
R.T.: 3.401 min
Delta R.T.: 0.006 min
Response: 6858484
Conc: 0.29 ng/ml



#3 gamma-BHC (Lindane)

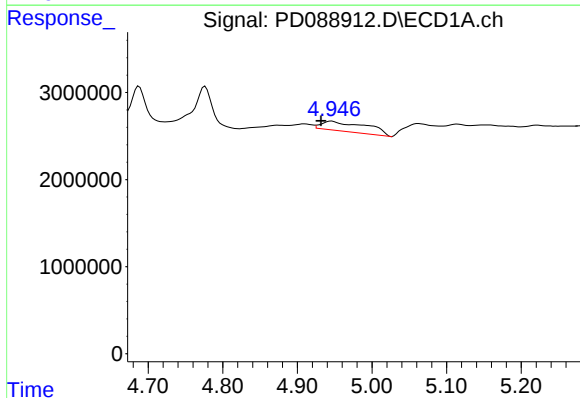
R.T.: 4.336 min
Delta R.T.: 0.004 min
Response: 426795
Conc: 0.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-37-060525



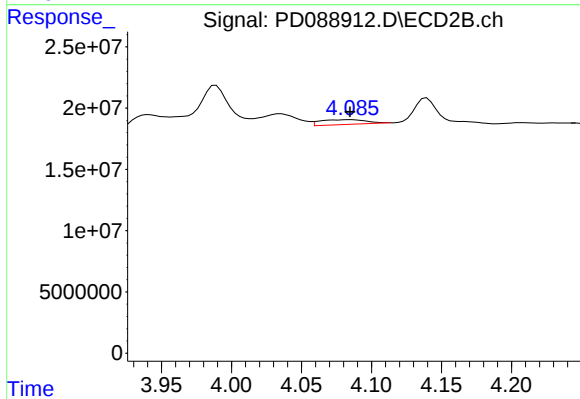
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: -0.001 min
Response: 195666
Conc: 0.01 ng/ml



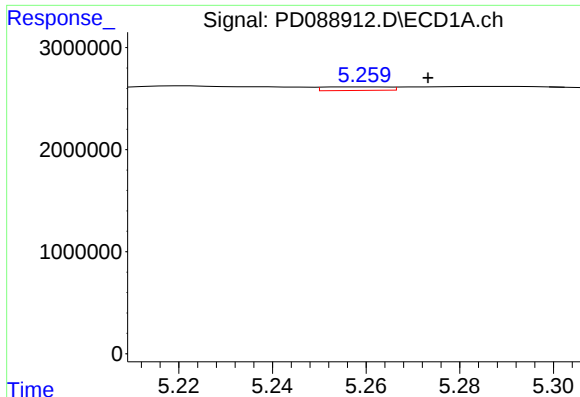
#4 Heptachlor

R.T.: 4.946 min
Delta R.T.: 0.014 min
Response: 4778788
Conc: 1.07 ng/ml



#4 Heptachlor

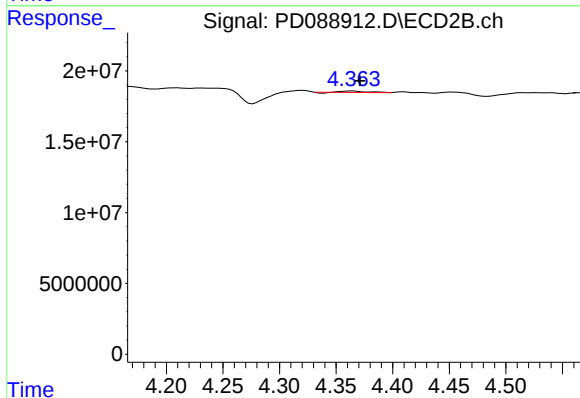
R.T.: 4.086 min
Delta R.T.: 0.000 min
Response: 8995009
Conc: 0.40 ng/ml



#5 Aldrin

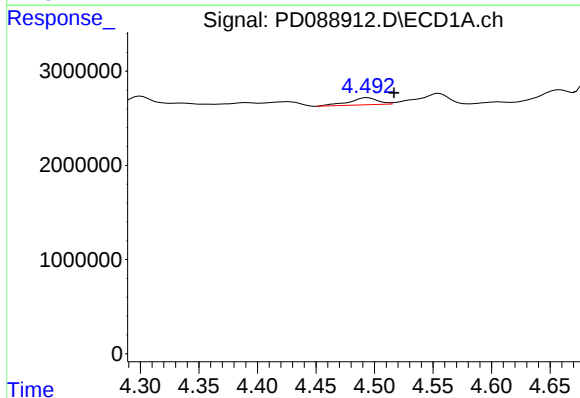
R.T.: 5.261 min
Delta R.T.: -0.012 min
Response: 328627
Conc: 0.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-37-060525



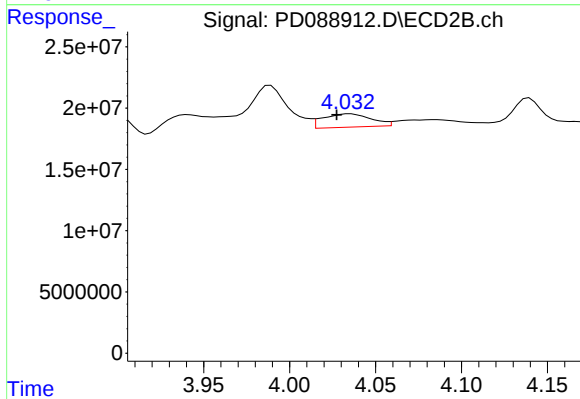
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: -0.007 min
Response: 1170415
Conc: 0.05 ng/ml



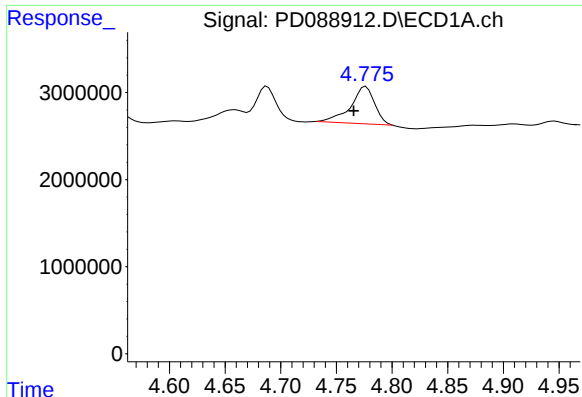
#6 beta-BHC

R.T.: 4.494 min
Delta R.T.: -0.023 min
Response: 1269365
Conc: 0.70 ng/ml



#6 beta-BHC

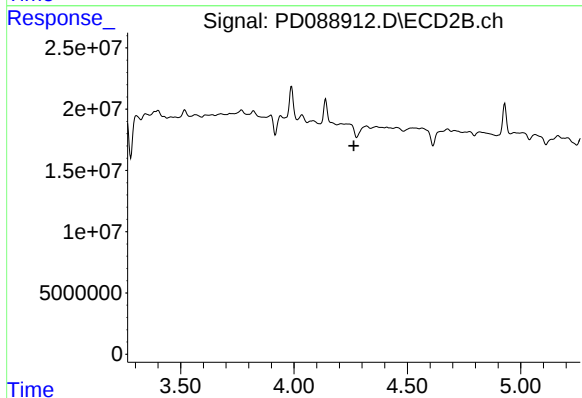
R.T.: 4.035 min
Delta R.T.: 0.008 min
Response: 21207061
Conc: 2.18 ng/ml



#7 delta-BHC

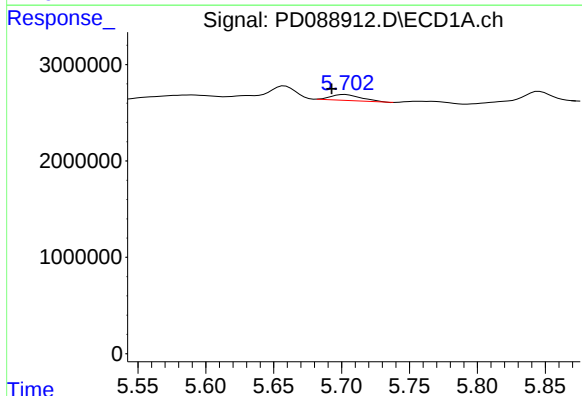
R.T.: 4.776 min
Delta R.T.: 0.011 min
Response: 6381086
Conc: 1.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-37-060525



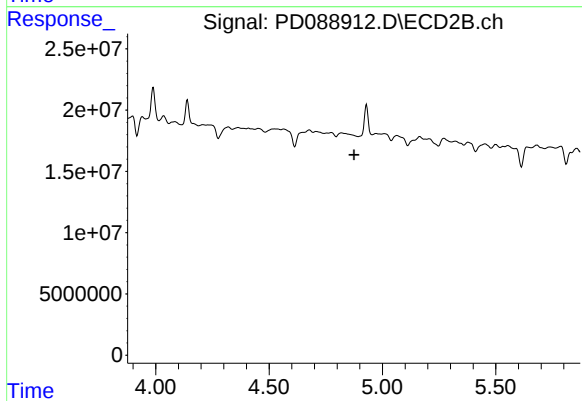
#7 delta-BHC

R.T.: 0.000 min
Exp R.T. : 4.264 min
Response: 0
Conc: N.D.



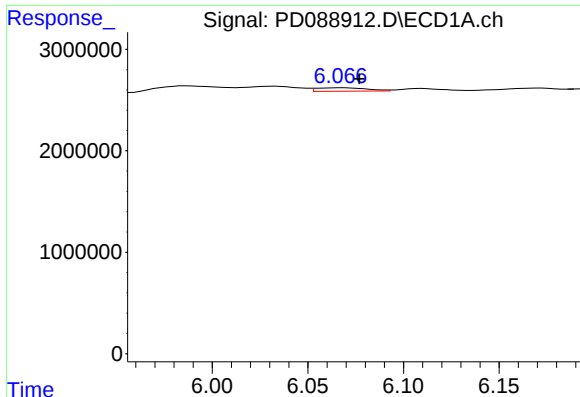
#8 Heptachlor epoxide

R.T.: 5.703 min
Delta R.T.: 0.010 min
Response: 944771
Conc: 0.24 ng/ml



#8 Heptachlor epoxide

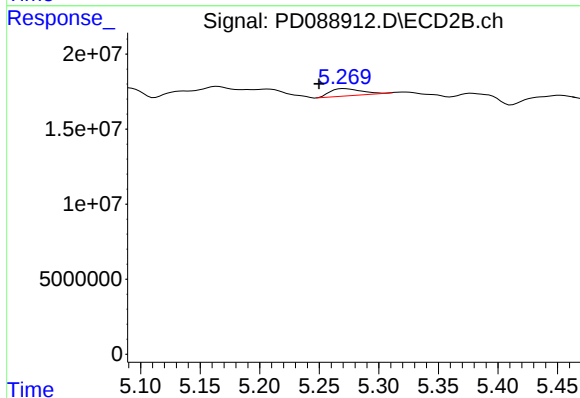
R.T.: 0.000 min
Exp R.T. : 4.875 min
Response: 0
Conc: N.D.



#9 Endosulfan I

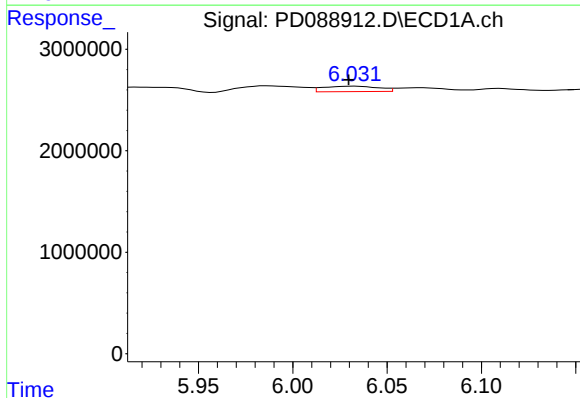
R.T.: 6.068 min
Delta R.T.: -0.009 min
Response: 616897
Conc: 0.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-37-060525



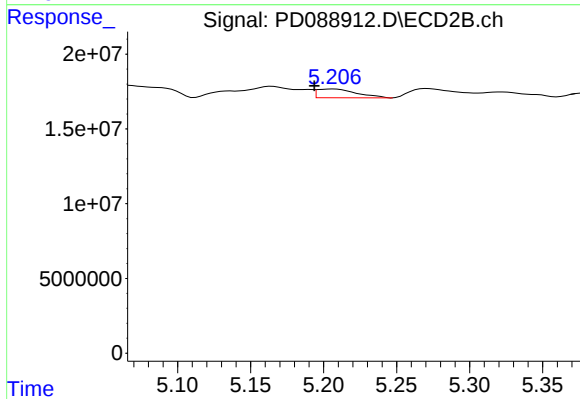
#9 Endosulfan I

R.T.: 5.271 min
Delta R.T.: 0.021 min
Response: 7167484
Conc: 0.38 ng/ml



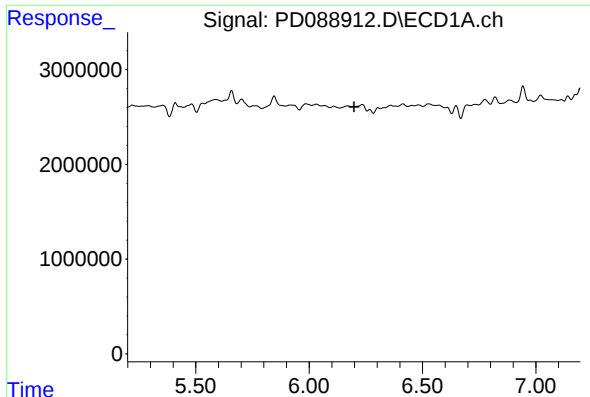
#11 alpha-Chlordane

R.T.: 6.033 min
Delta R.T.: 0.003 min
Response: 1074880
Conc: 0.27 ng/ml



#11 alpha-Chlordane

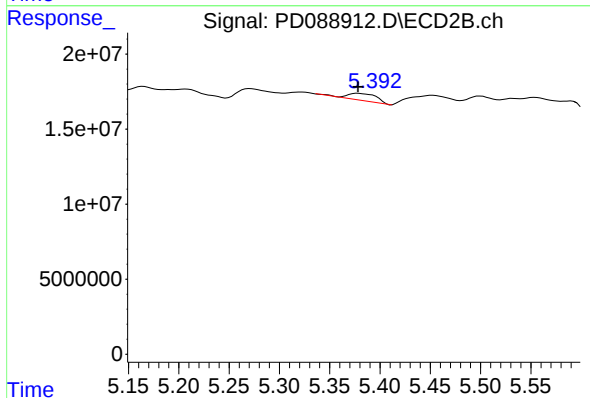
R.T.: 5.207 min
Delta R.T.: 0.013 min
Response: 11080667
Conc: 0.54 ng/ml



#12 4,4'-DDE

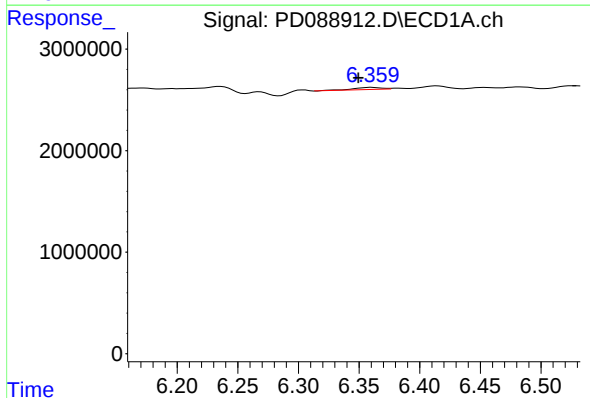
R.T.: 0.000 min
Exp R.T.: 6.198 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-37-060525



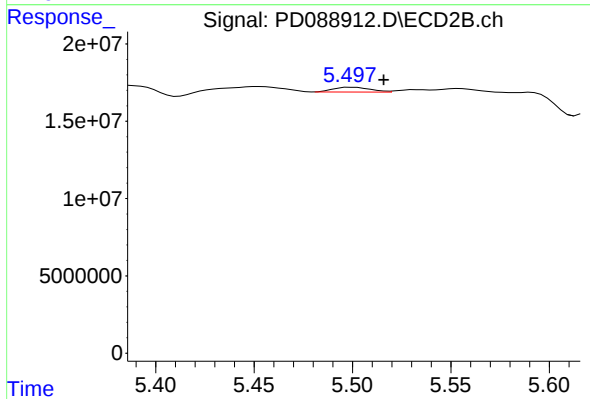
#12 4,4'-DDE

R.T.: 5.378 min
Delta R.T.: 0.000 min
Response: 10110824
Conc: 0.48 ng/ml



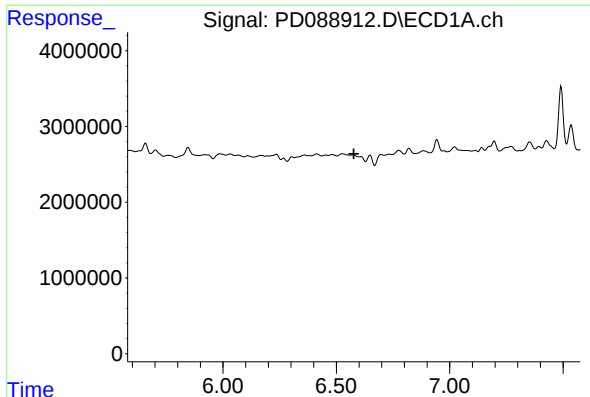
#13 Dieldrin

R.T.: 6.361 min
Delta R.T.: 0.011 min
Response: 335284
Conc: 0.08 ng/ml



#13 Dieldrin

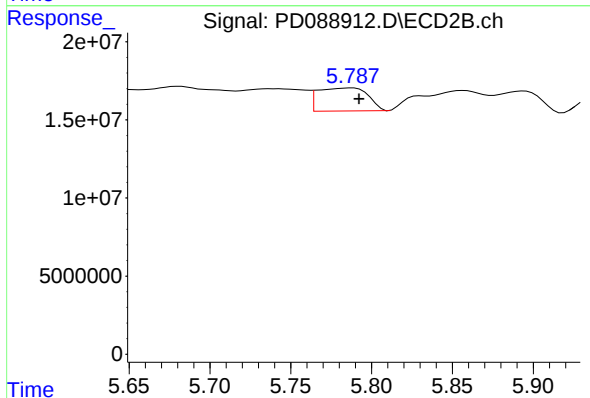
R.T.: 5.500 min
Delta R.T.: -0.016 min
Response: 4032265
Conc: 0.19 ng/ml



#14 Endrin

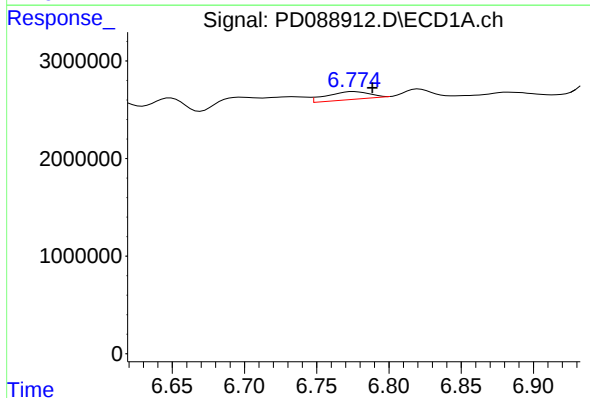
R.T.: 0.000 min
Exp R.T.: 6.577 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-37-060525



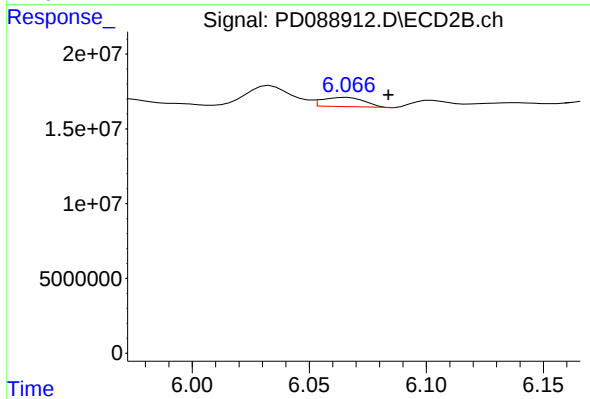
#14 Endrin

R.T.: 5.787 min
Delta R.T.: -0.005 min
Response: 31865387
Conc: 1.65 ng/ml



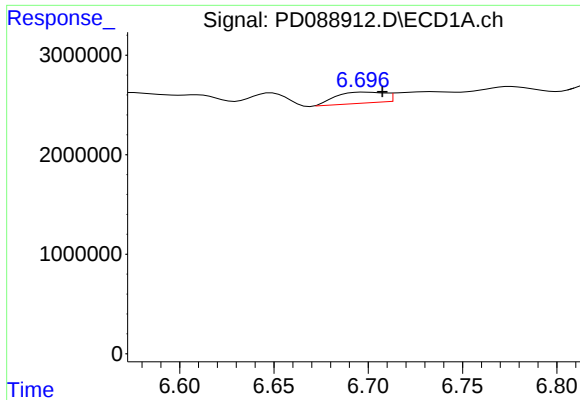
#15 Endosulfan II

R.T.: 6.776 min
Delta R.T.: -0.013 min
Response: 1666834
Conc: 0.48 ng/ml



#15 Endosulfan II

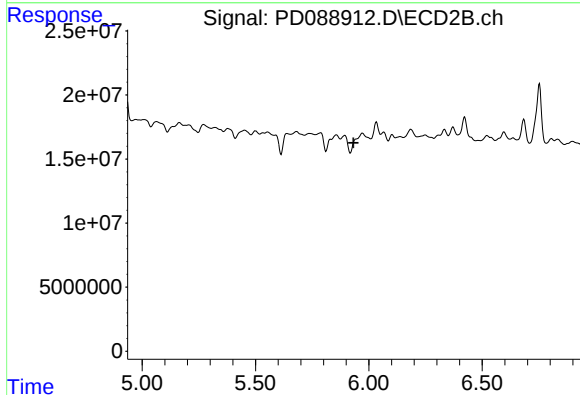
R.T.: 6.066 min
Delta R.T.: -0.018 min
Response: 7776632
Conc: 0.42 ng/ml



#16 4,4'-DDD

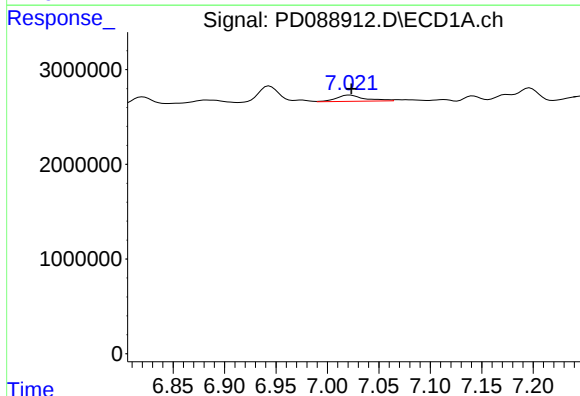
R.T.: 6.698 min
Delta R.T.: -0.010 min
Response: 2018547
Conc: 0.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-37-060525



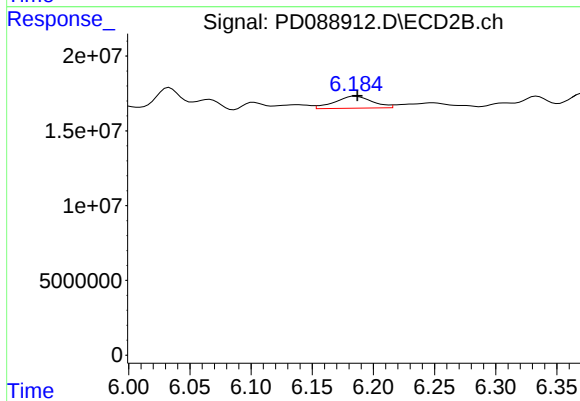
#16 4,4'-DDD

R.T.: 0.000 min
Exp R.T. : 5.933 min
Response: 0
Conc: N.D.



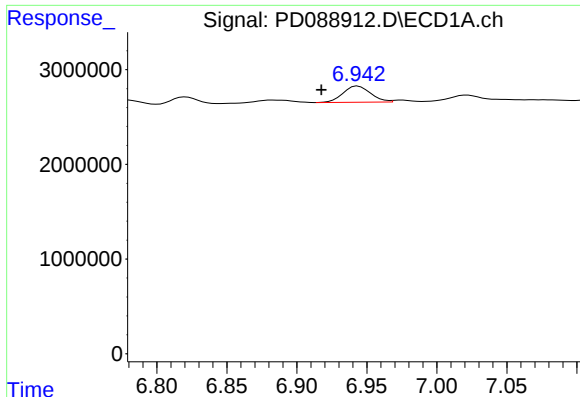
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: -0.001 min
Response: 1267145
Conc: 0.41 ng/ml



#17 4,4'-DDT

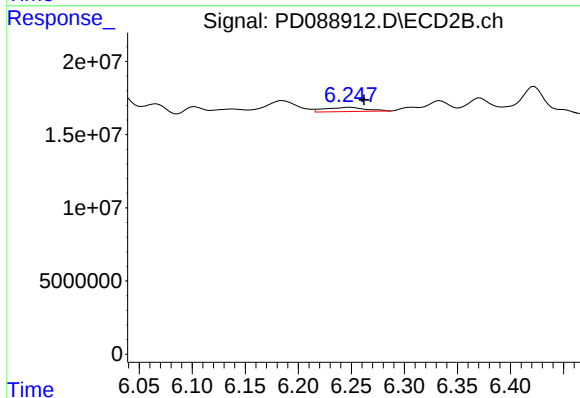
R.T.: 6.185 min
Delta R.T.: -0.002 min
Response: 17026762
Conc: 0.94 ng/ml



#18 Endrin aldehyde

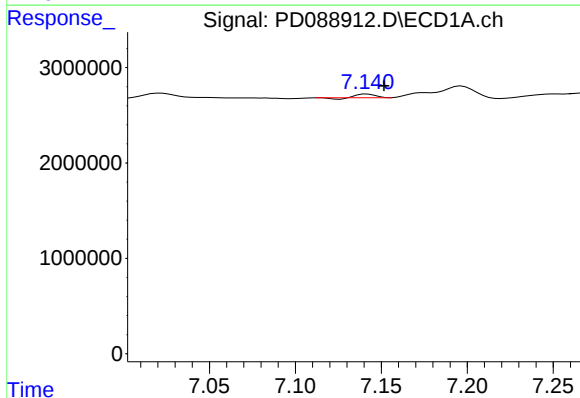
R.T.: 6.944 min
Delta R.T.: 0.026 min
Response: 2354155
Conc: 0.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-37-060525



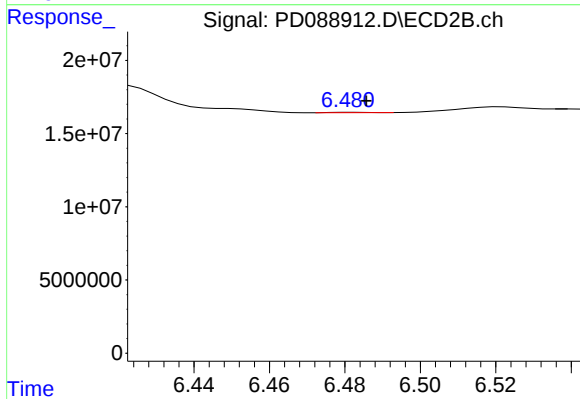
#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.013 min
Response: 7737865
Conc: 0.56 ng/ml



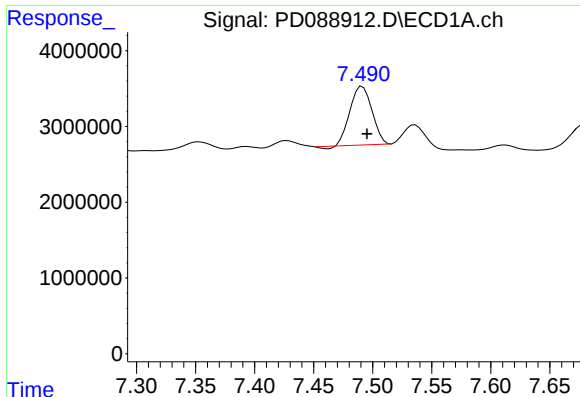
#19 Endosulfan Sulfate

R.T.: 7.142 min
Delta R.T.: -0.010 min
Response: 235691
Conc: 0.07 ng/ml



#19 Endosulfan Sulfate

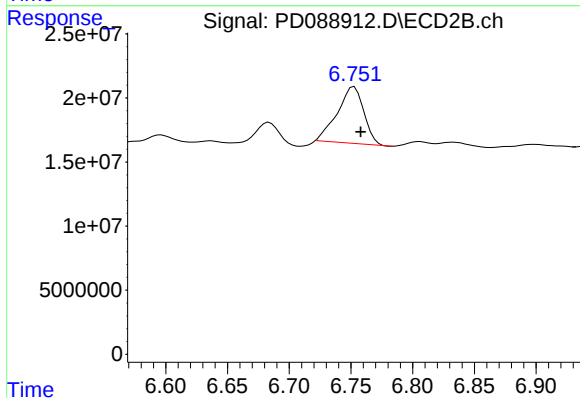
R.T.: 6.482 min
Delta R.T.: -0.003 min
Response: 153199
Conc: 0.01 ng/ml



#20 Methoxychlor

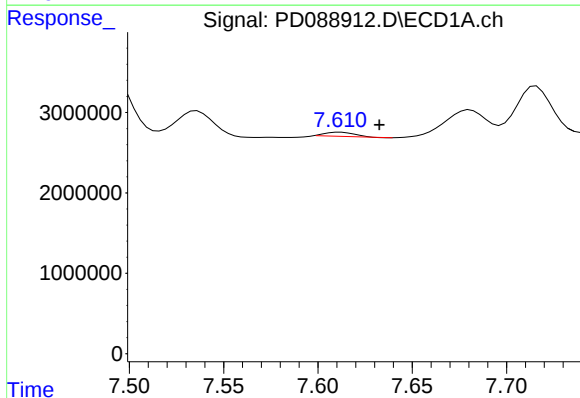
R.T.: 7.491 min
Delta R.T.: -0.004 min
Response: 9892498
Conc: 5.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-37-060525



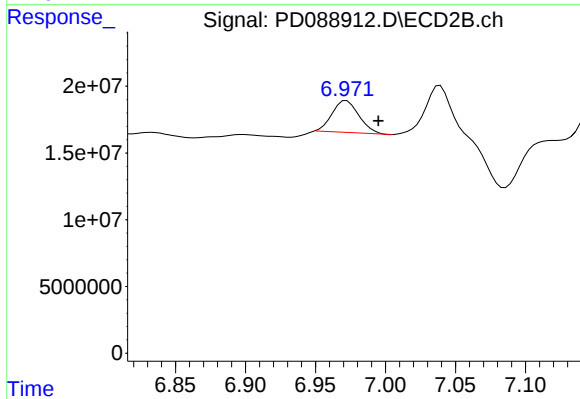
#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.006 min
Response: 65772225
Conc: 6.87 ng/ml



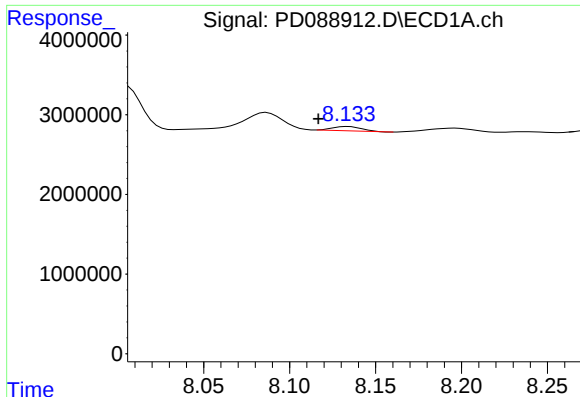
#21 Endrin ketone

R.T.: 7.612 min
Delta R.T.: -0.021 min
Response: 550294
Conc: 0.16 ng/ml



#21 Endrin ketone

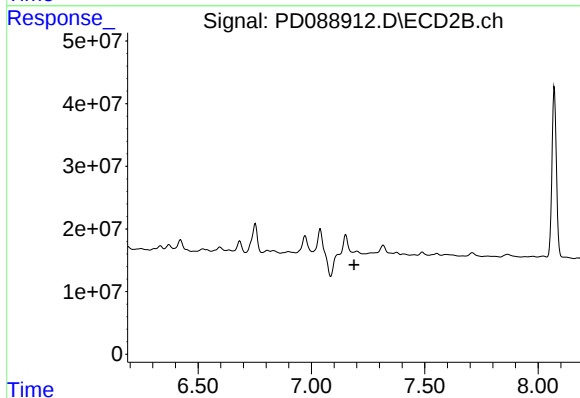
R.T.: 6.972 min
Delta R.T.: -0.023 min
Response: 31655265
Conc: 1.64 ng/ml



#22 Mirex

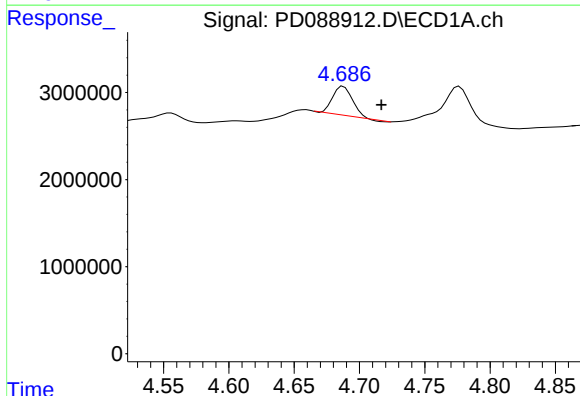
R.T.: 8.134 min
Delta R.T.: 0.017 min
Response: 629030
Conc: 0.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-37-060525



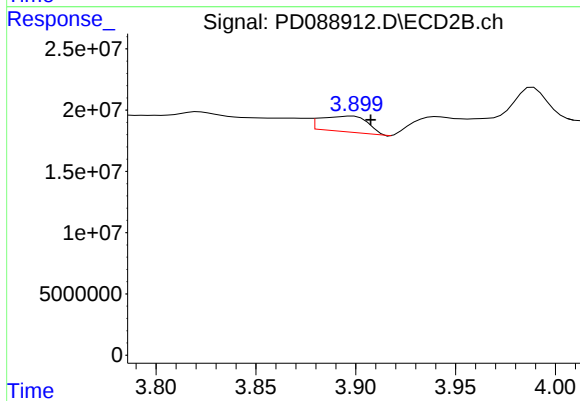
#22 Mirex

R.T.: 7.201 min
Delta R.T.: 0.012 min
Response: -11710661
Conc: N.D.



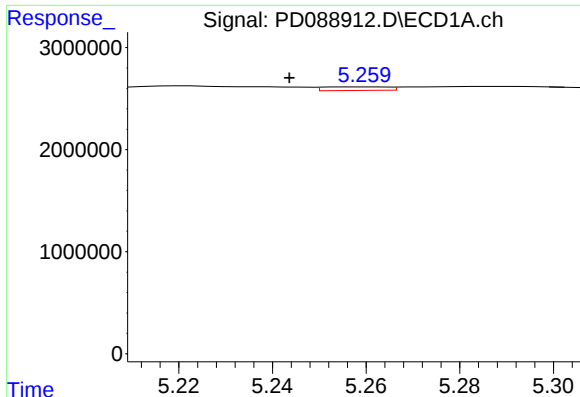
#23 Chlordane-1

R.T.: 4.688 min
Delta R.T.: -0.029 min
Response: 3457393
Conc: 19.19 ng/ml



#23 Chlordane-1

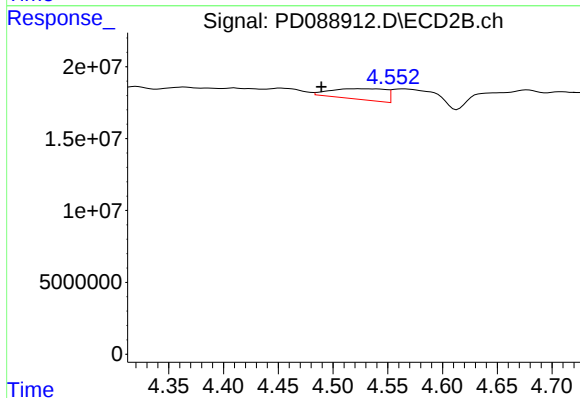
R.T.: 3.898 min
Delta R.T.: -0.009 min
Response: 20968189
Conc: 25.37 ng/ml



#24 Chlordane-2

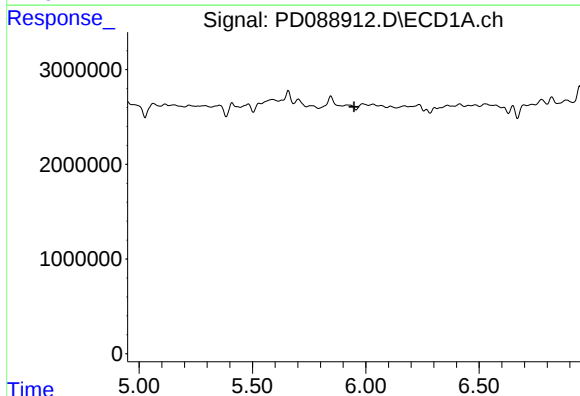
R.T.: 5.261 min
Delta R.T.: 0.017 min
Response: 328627
Conc: 1.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-37-060525



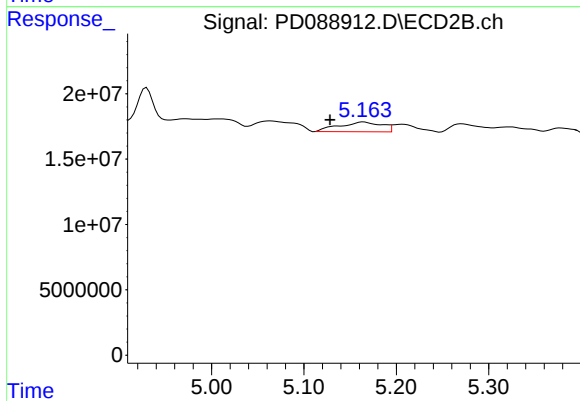
#24 Chlordane-2

R.T.: 4.516 min
Delta R.T.: 0.027 min
Response: 25986715
Conc: 30.79 ng/ml



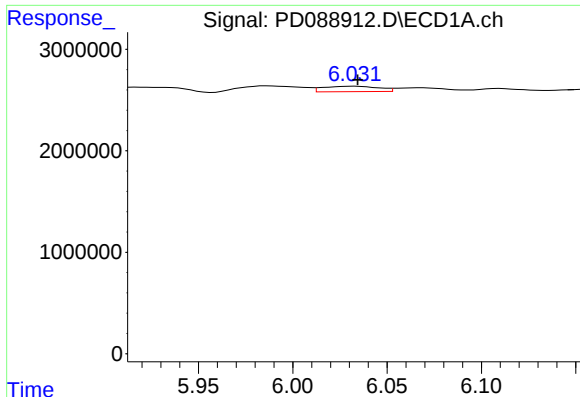
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T. : 5.949 min
Response: 0
Conc: N.D.



#25 Chlordane-3

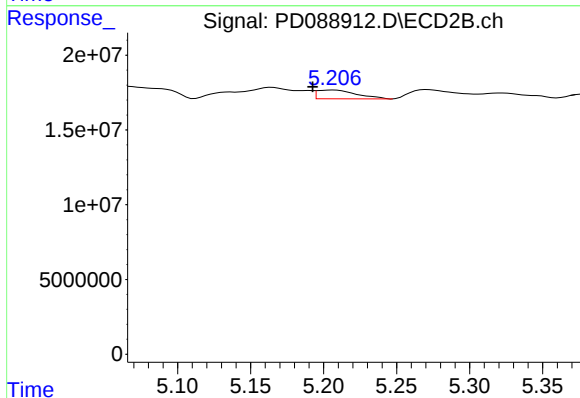
R.T.: 5.165 min
Delta R.T.: 0.036 min
Response: 24226612
Conc: 9.19 ng/ml



#26 Chlordane-4

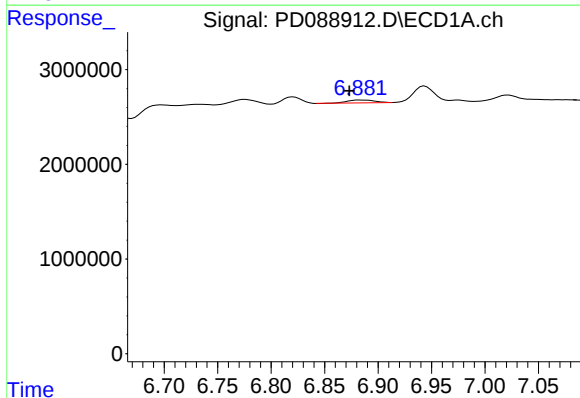
R.T.: 6.033 min
Delta R.T.: -0.002 min
Response: 1074880
Conc: 1.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-37-060525



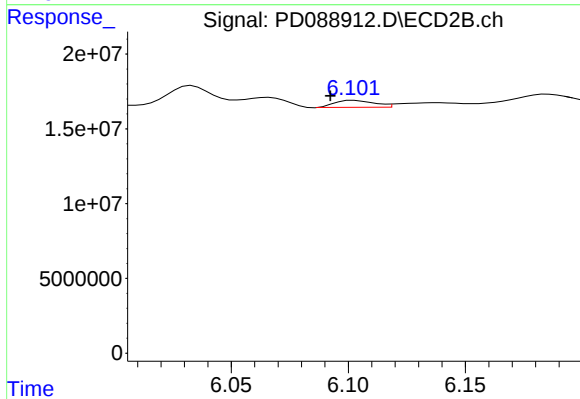
#26 Chlordane-4

R.T.: 5.207 min
Delta R.T.: 0.014 min
Response: 11080667
Conc: 5.01 ng/ml



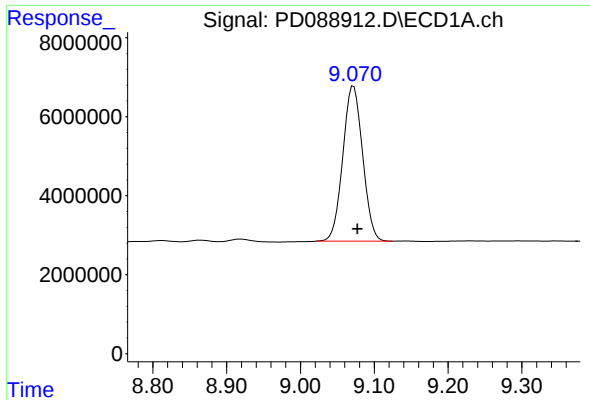
#27 Chlordane-5

R.T.: 6.883 min
Delta R.T.: 0.009 min
Response: 542105
Conc: 3.56 ng/ml



#27 Chlordane-5

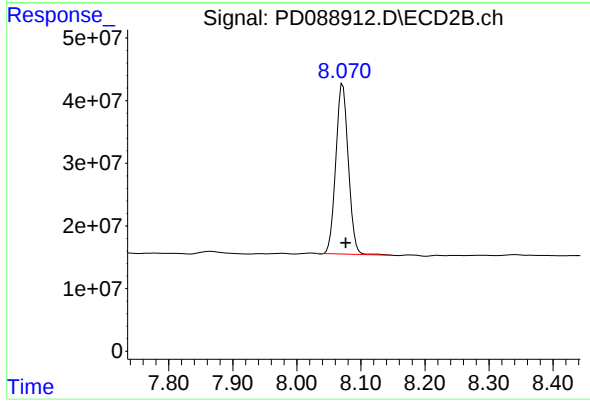
R.T.: 6.103 min
Delta R.T.: 0.010 min
Response: 5477454
Conc: 5.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.005 min
Response: 73242855
Conc: 21.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-PCS-TC-37-060525



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: -0.005 min
Response: 368523969
Conc: 20.19 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061125\
 Data File : PD088914.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Jun 2025 12:57
 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: Jun 12 07:39:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.879	121.7E6	726.0E6	56.223	47.996
28)	SA Decachlor...	9.072	8.072	165.7E6	844.4E6	48.429	46.254
Target Compounds							
2)	A alpha-BHC	3.998	3.392	253.8E6	1148.7E6	53.129	48.053
3)	MA gamma-BHC...	4.329	3.728	241.0E6	1065.5E6	52.359	48.068
4)	MA Heptachlor	4.929	4.082	227.2E6	1031.2E6	50.815	45.924
5)	MB Aldrin	5.270	4.368	230.1E6	1083.8E6	52.360	49.423
6)	B beta-BHC	4.515	4.024	94076778	458.5E6	52.173	47.065
7)	B delta-BHC	4.763	4.261	235.3E6	1074.2E6	55.668	48.183
8)	B Heptachlo...	5.690	4.871	204.1E6	943.5E6	51.414	47.480
9)	A Endosulfan I	6.074	5.246	193.0E6	829.3E6	51.292	43.699
10)	B gamma-Chl...	5.945	5.125	207.6E6	1015.5E6	52.036	47.606
11)	B alpha-Chl...	6.026	5.190	207.2E6	972.9E6	51.720	47.169
12)	B 4,4'-DDE	6.195	5.374	185.3E6	1053.0E6	51.615	50.374
13)	MA Dieldrin	6.346	5.512	205.2E6	997.0E6	51.146	47.377
14)	MA Endrin	6.574	5.788	173.1E6	902.3E6	50.686	46.792
15)	B Endosulfa...	6.785	6.079	173.5E6	873.5E6	50.387	47.676
16)	A 4,4'-DDD	6.704	5.929	149.6E6	843.9E6	53.731	48.520
17)	MA 4,4'-DDT	7.020	6.183	151.4E6	833.1E6	48.500	45.932
18)	B Endrin al...	6.914	6.258	127.7E6	645.2E6	49.595	46.321
19)	B Endosulfa...	7.148	6.481	160.9E6	838.8E6	50.225	47.240
20)	A Methoxychlor	7.492	6.754	78624657	434.8E6	47.065	45.409
21)	B Endrin ke...	7.629	6.990	173.2E6	936.6E6	50.605	48.411
22)	Mirex	8.113	7.185	126.4E6	710.9E6	48.642	46.765
23)	Chlordane-1	0.000	3.928f	0	374875	N.D.	0.454 #
24)	Chlordane-2	5.270f	4.506	230.1E6	116.9E6	1253.901	138.449 #
25)	Chlordane-3	5.945	5.125	207.6E6	1015.5E6	280.535	385.132 #
26)	Chlordane-4	6.026	5.190	207.2E6	972.9E6	231.209	439.710 #
27)	Chlordane-5	0.000	6.079	0	873.5E6	N.D.	872.767 #

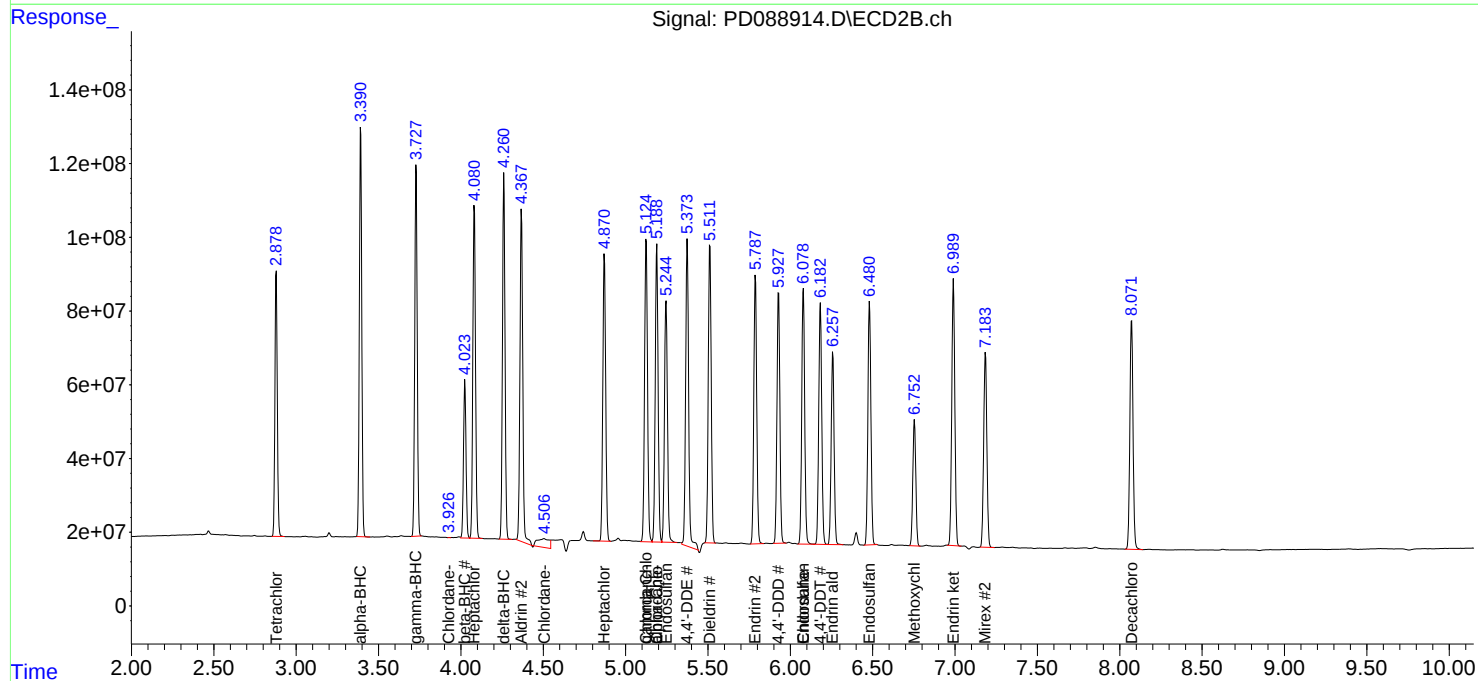
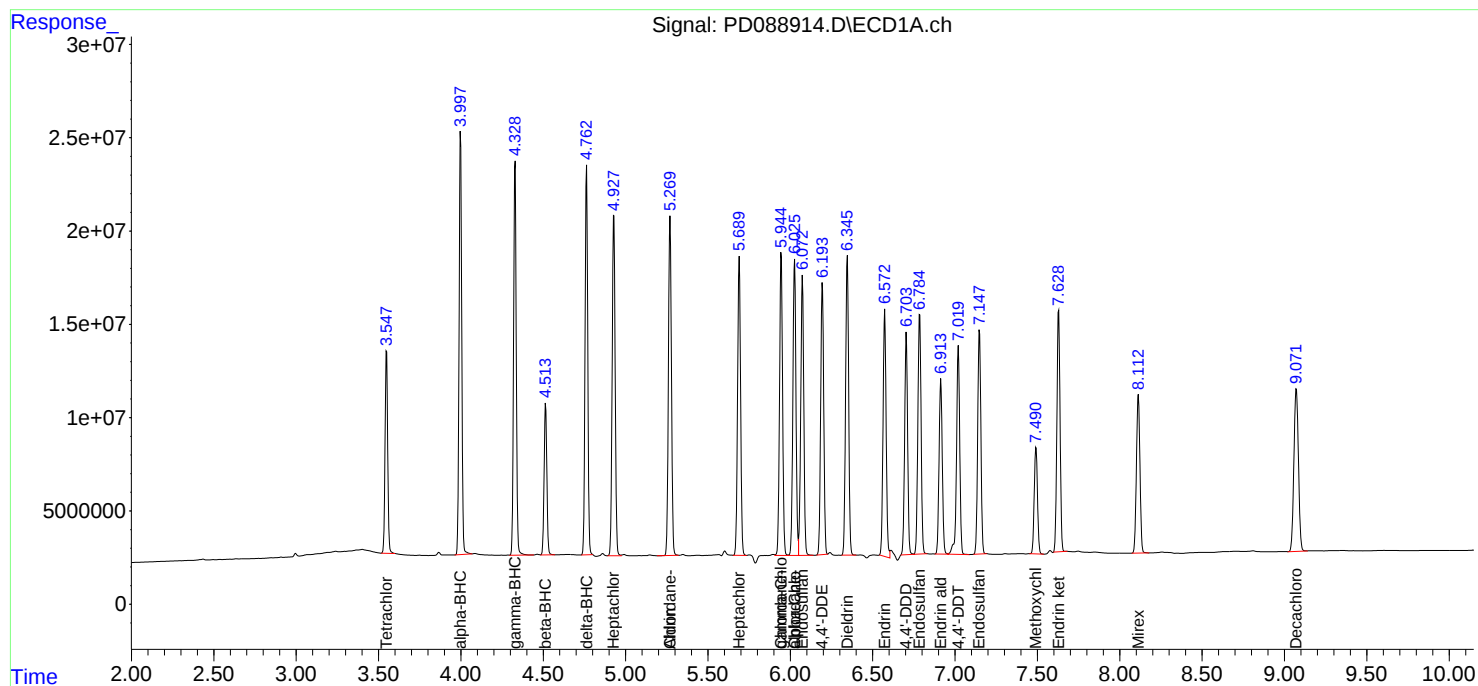
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

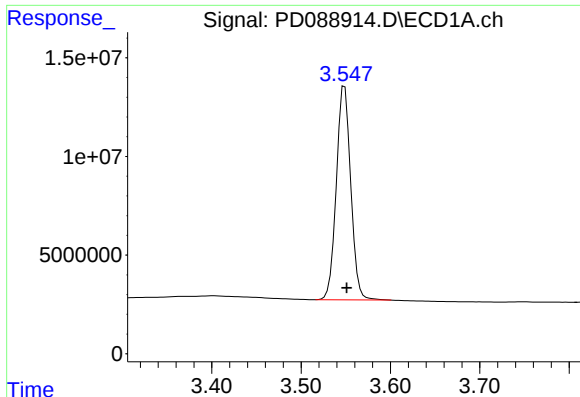
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061125\
Data File : PD088914.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 12:57
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 07:39:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

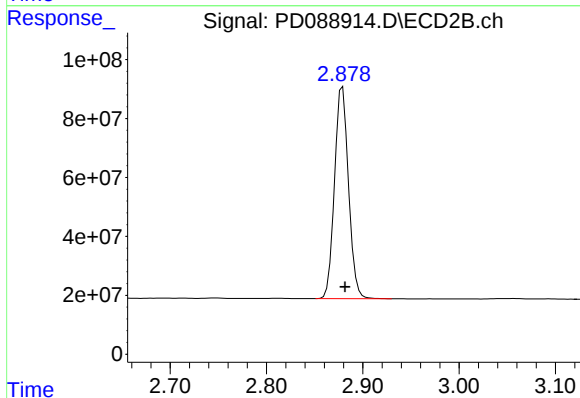




#1 Tetrachloro-m-xylene

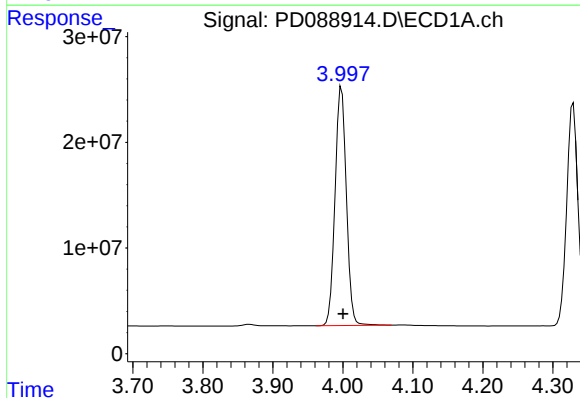
R.T.: 3.549 min
Delta R.T.: -0.002 min
Response: 121653433
Conc: 56.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



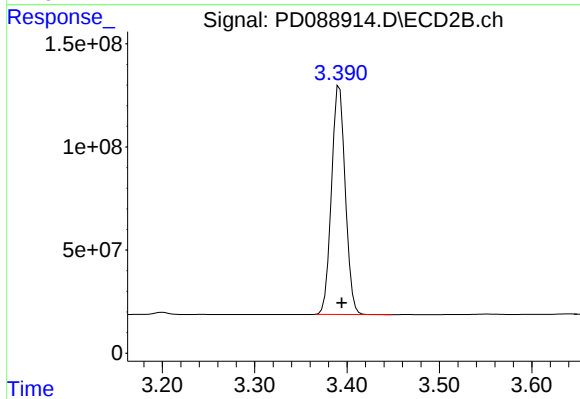
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.003 min
Response: 726030897
Conc: 48.00 ng/ml



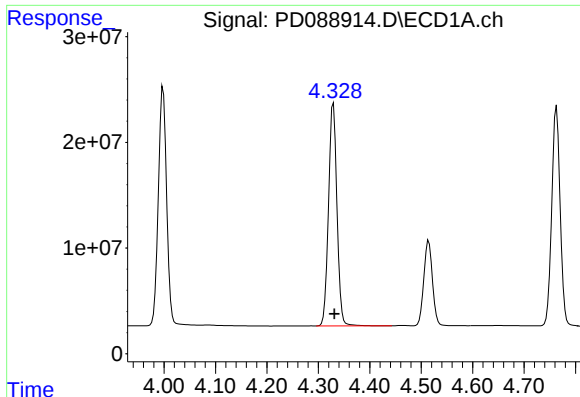
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.002 min
Response: 253772256
Conc: 53.13 ng/ml



#2 alpha-BHC

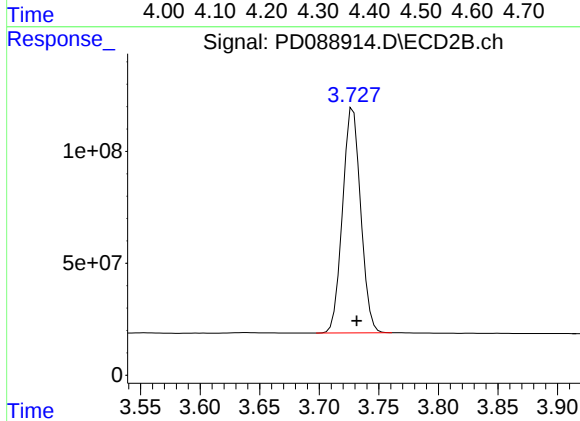
R.T.: 3.392 min
Delta R.T.: -0.003 min
Response: 1148657335
Conc: 48.05 ng/ml



#3 gamma-BHC (Lindane)

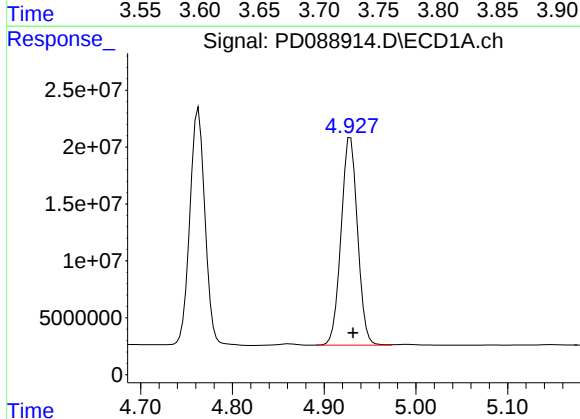
R.T.: 4.329 min
Delta R.T.: -0.002 min
Response: 240992869
Conc: 52.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



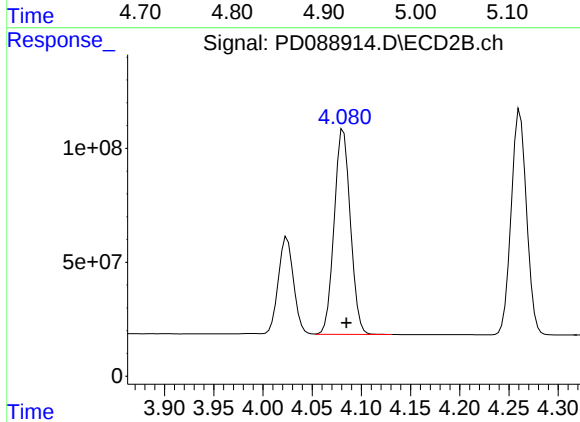
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.003 min
Response: 1065470861
Conc: 48.07 ng/ml



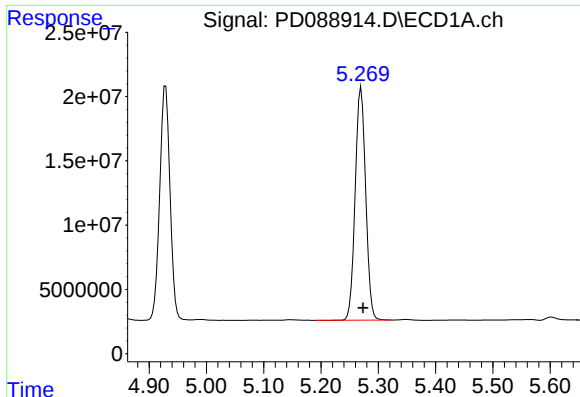
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: -0.003 min
Response: 227206092
Conc: 50.82 ng/ml



#4 Heptachlor

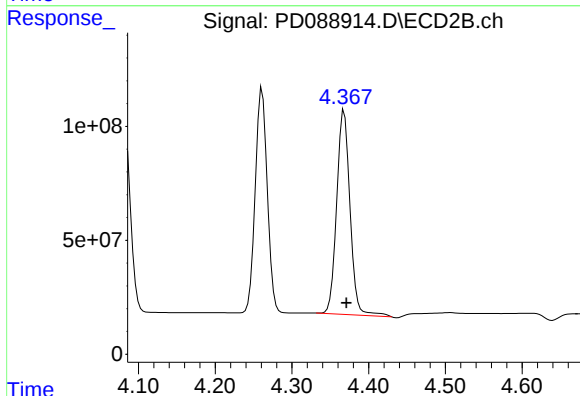
R.T.: 4.082 min
Delta R.T.: -0.003 min
Response: 1031222516
Conc: 45.92 ng/ml



#5 Aldrin

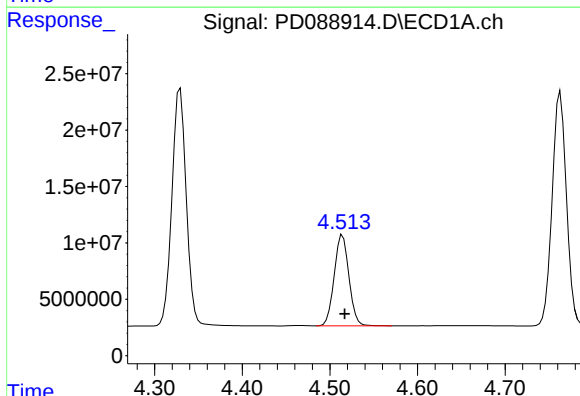
R.T.: 5.270 min
Delta R.T.: -0.003 min
Response: 230097543
Conc: 52.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



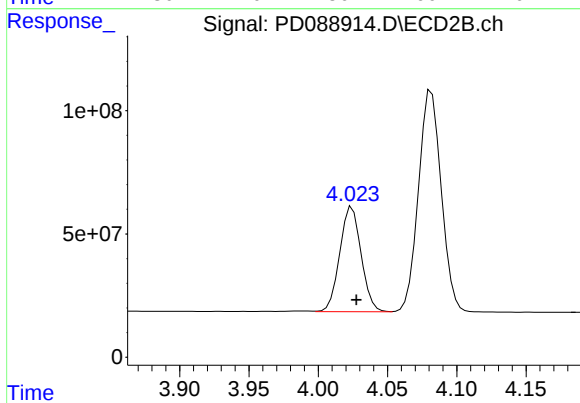
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: -0.003 min
Response: 1083830283
Conc: 49.42 ng/ml



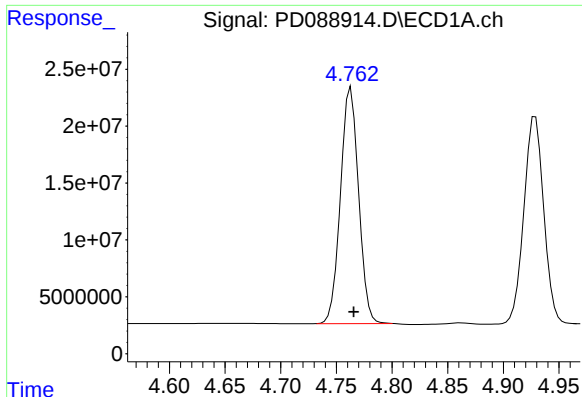
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: -0.002 min
Response: 94076778
Conc: 52.17 ng/ml



#6 beta-BHC

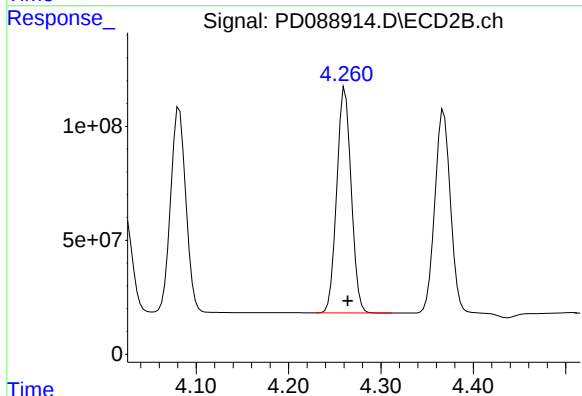
R.T.: 4.024 min
Delta R.T.: -0.003 min
Response: 458503408
Conc: 47.07 ng/ml



#7 delta-BHC

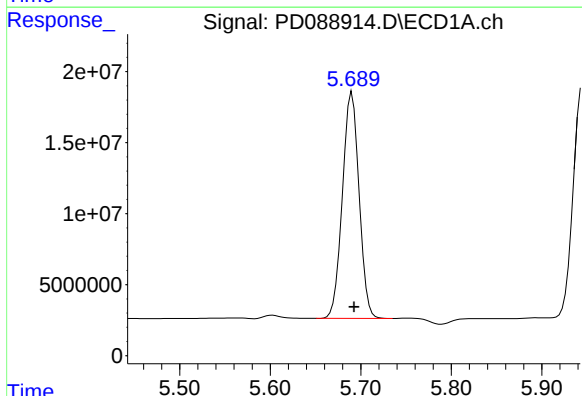
R.T.: 4.763 min
Delta R.T.: -0.003 min
Response: 235263036
Conc: 55.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



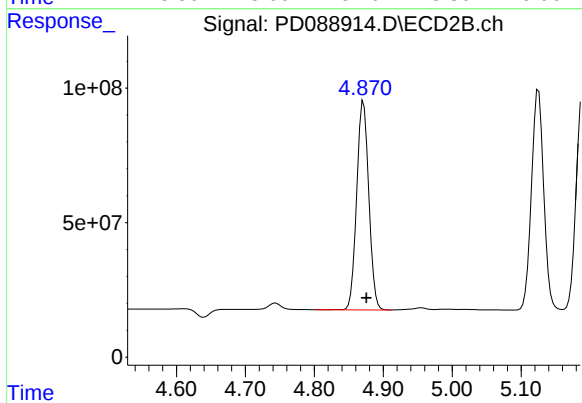
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.003 min
Response: 1074195528
Conc: 48.18 ng/ml



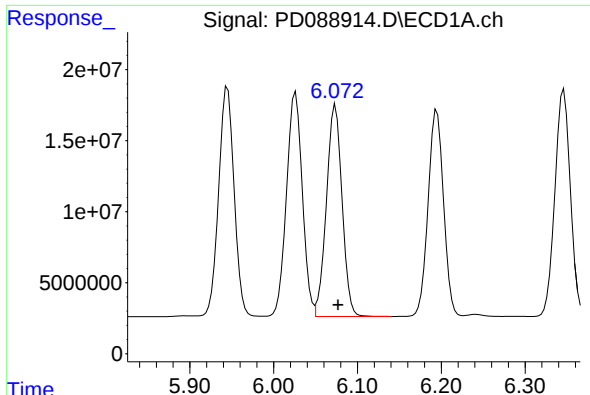
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: -0.002 min
Response: 204076020
Conc: 51.41 ng/ml



#8 Heptachlor epoxide

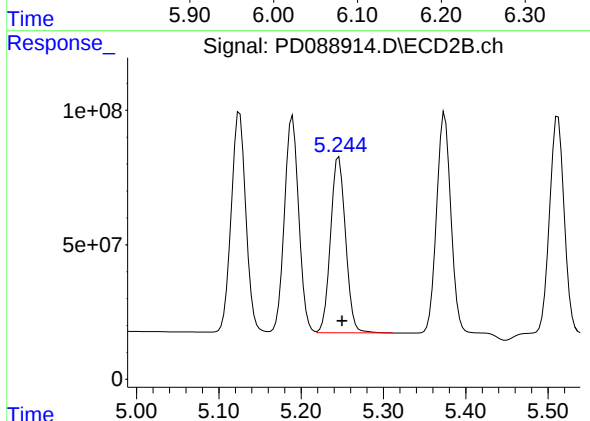
R.T.: 4.871 min
Delta R.T.: -0.004 min
Response: 943479024
Conc: 47.48 ng/ml



#9 Endosulfan I

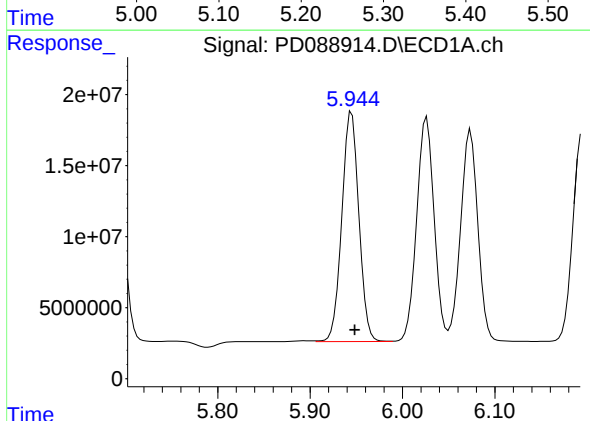
R.T.: 6.074 min
Delta R.T.: -0.003 min
Response: 193009276
Conc: 51.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



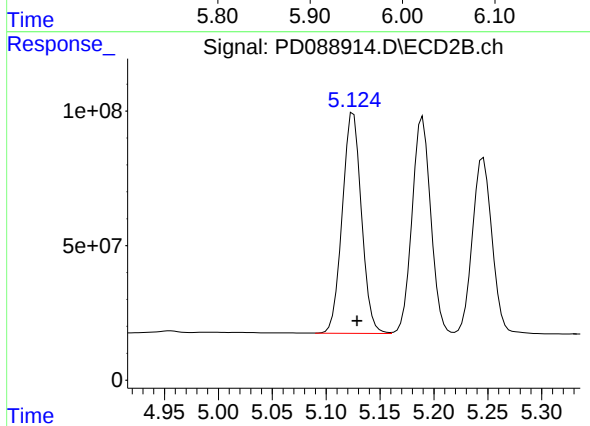
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: -0.004 min
Response: 829343713
Conc: 43.70 ng/ml



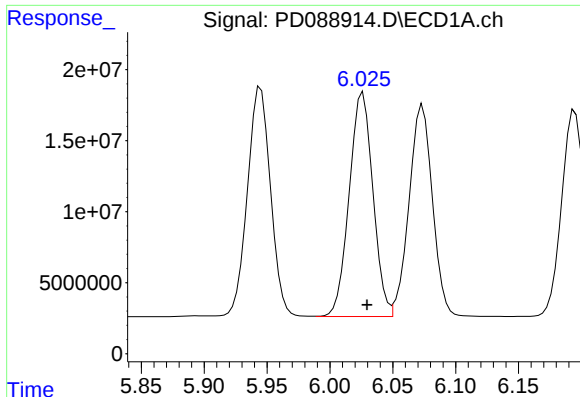
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: -0.003 min
Response: 207569042
Conc: 52.04 ng/ml



#10 gamma-Chlordane

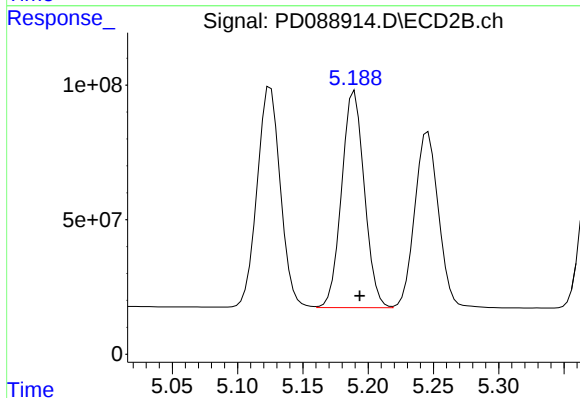
R.T.: 5.125 min
Delta R.T.: -0.004 min
Response: 1015528697
Conc: 47.61 ng/ml



#11 alpha-Chlordane

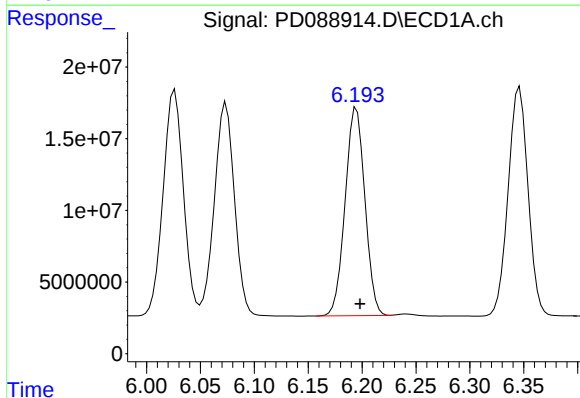
R.T.: 6.026 min
Delta R.T.: -0.003 min
Response: 207205376
Conc: 51.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



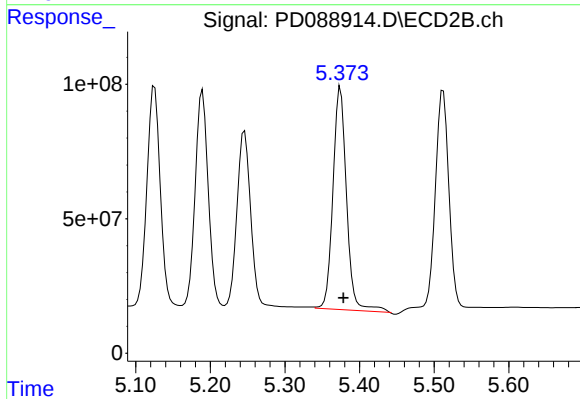
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: -0.004 min
Response: 972855462
Conc: 47.17 ng/ml



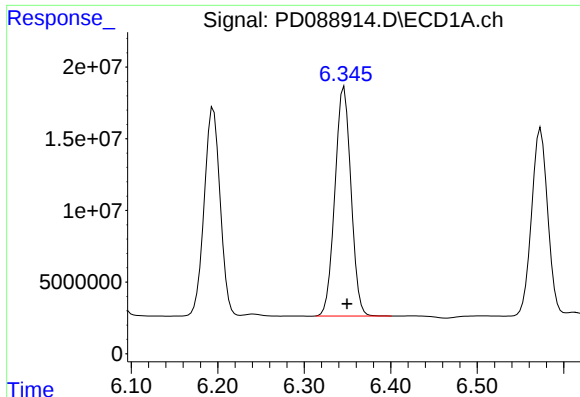
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: -0.003 min
Response: 185267492
Conc: 51.62 ng/ml



#12 4,4'-DDE

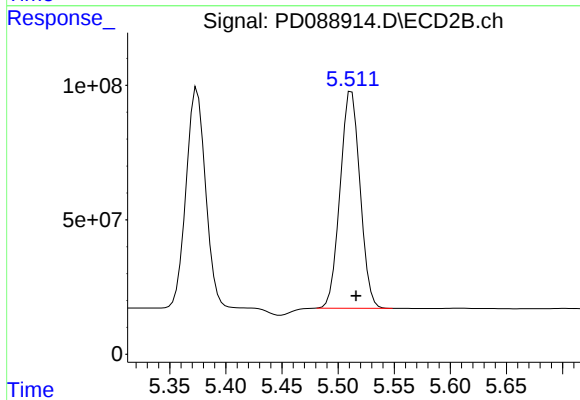
R.T.: 5.374 min
Delta R.T.: -0.004 min
Response: 1052955064
Conc: 50.37 ng/ml



#13 Dieldrin

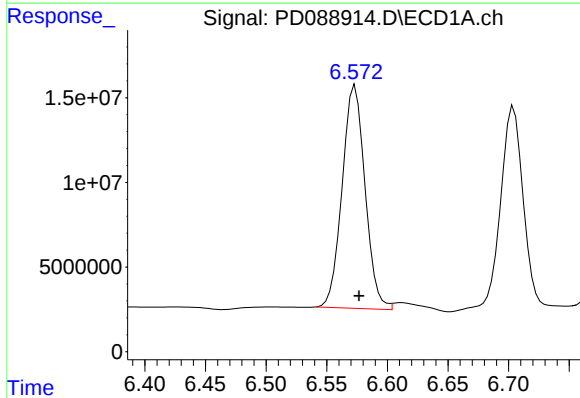
R.T.: 6.346 min
Delta R.T.: -0.003 min
Response: 205185318
Conc: 51.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



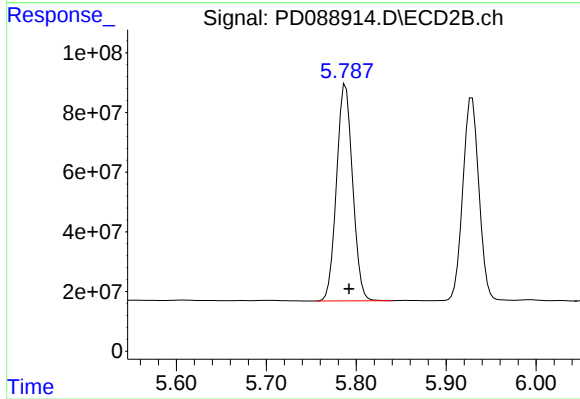
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: -0.004 min
Response: 996994885
Conc: 47.38 ng/ml



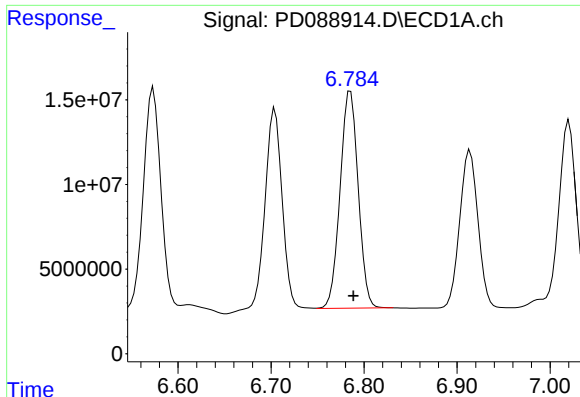
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.003 min
Response: 173101367
Conc: 50.69 ng/ml



#14 Endrin

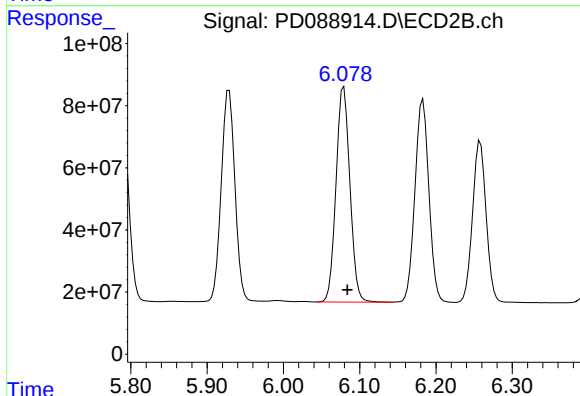
R.T.: 5.788 min
Delta R.T.: -0.004 min
Response: 902332236
Conc: 46.79 ng/ml



#15 Endosulfan II

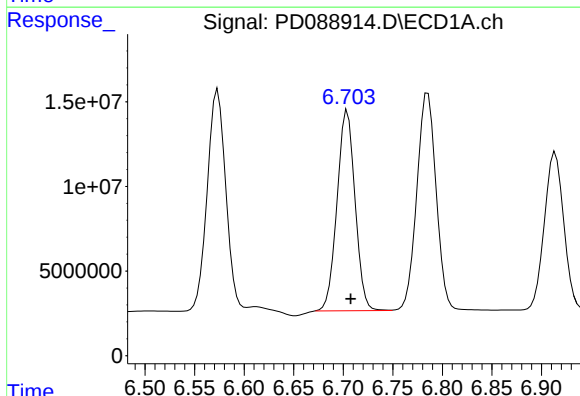
R.T.: 6.785 min
Delta R.T.: -0.003 min
Response: 173510728
Conc: 50.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



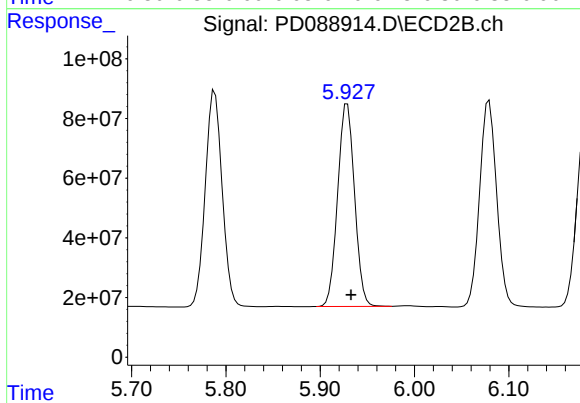
#15 Endosulfan II

R.T.: 6.079 min
Delta R.T.: -0.005 min
Response: 873512330
Conc: 47.68 ng/ml



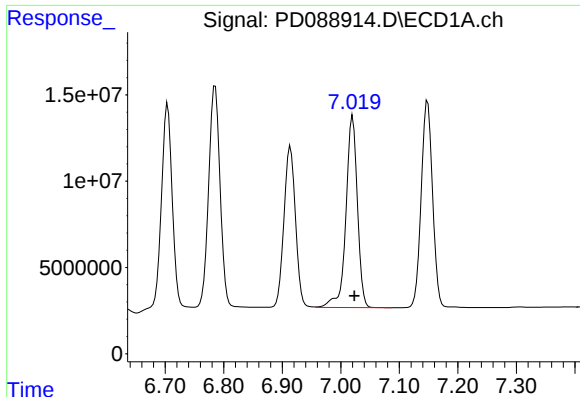
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.003 min
Response: 149645183
Conc: 53.73 ng/ml



#16 4,4'-DDD

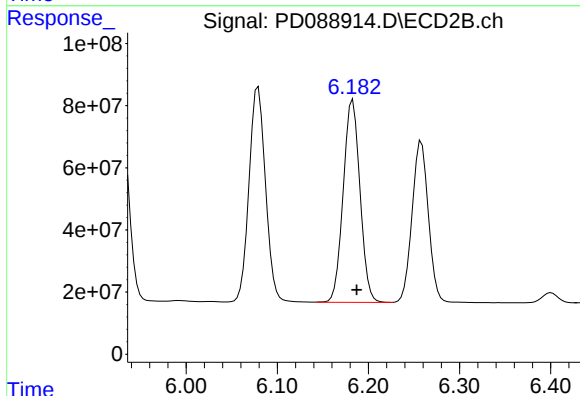
R.T.: 5.929 min
Delta R.T.: -0.004 min
Response: 843875154
Conc: 48.52 ng/ml



#17 4,4'-DDT

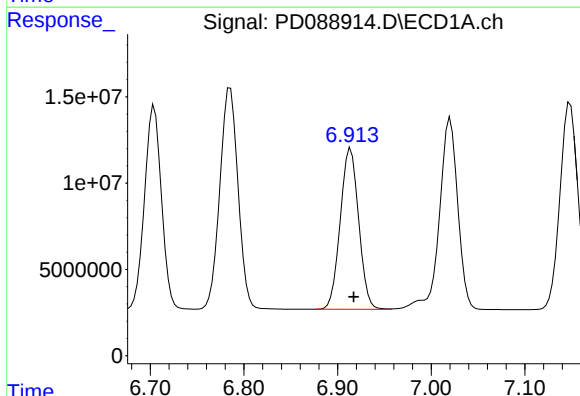
R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 151419563
Conc: 48.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



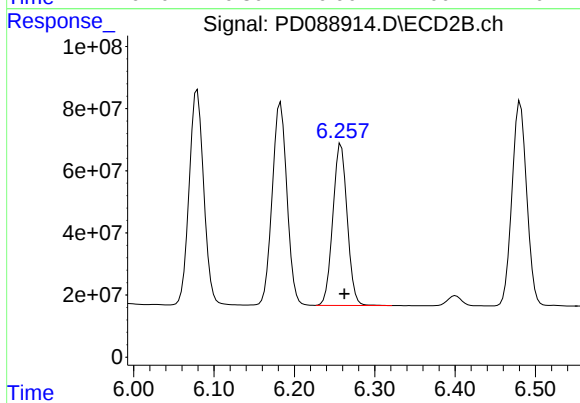
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.004 min
Response: 833082368
Conc: 45.93 ng/ml



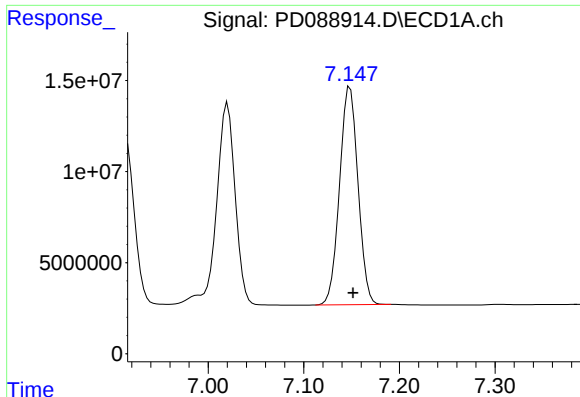
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: -0.003 min
Response: 127688672
Conc: 49.60 ng/ml



#18 Endrin aldehyde

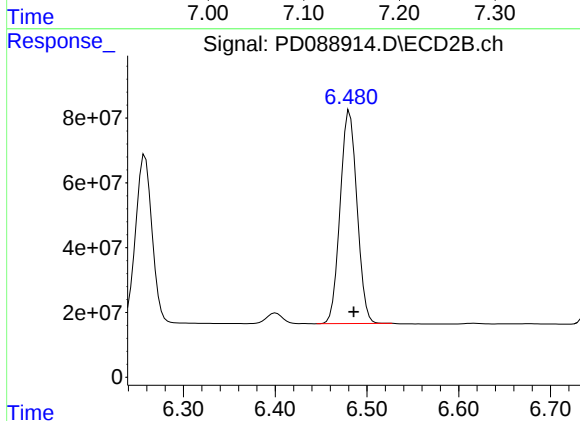
R.T.: 6.258 min
Delta R.T.: -0.004 min
Response: 645198143
Conc: 46.32 ng/ml



#19 Endosulfan Sulfate

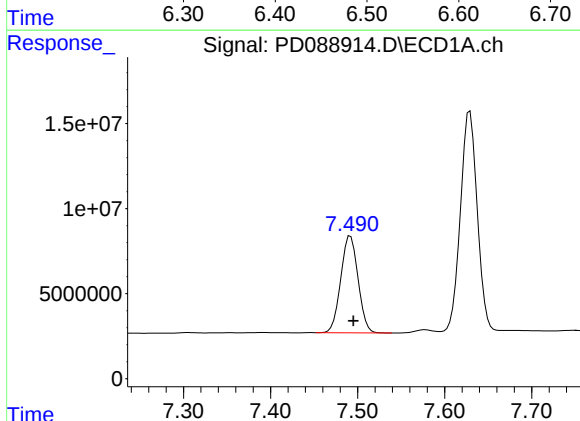
R.T.: 7.148 min
Delta R.T.: -0.003 min
Response: 160872738
Conc: 50.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



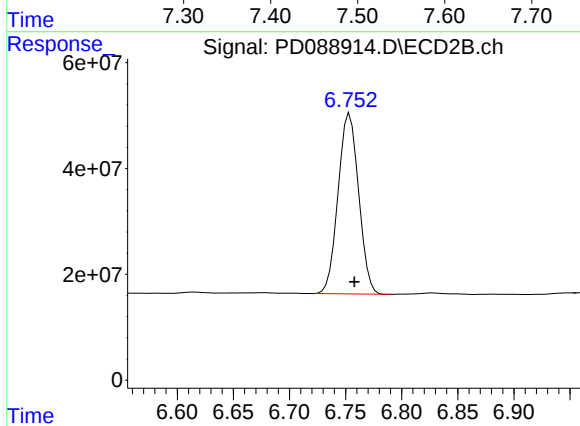
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: -0.005 min
Response: 838790533
Conc: 47.24 ng/ml



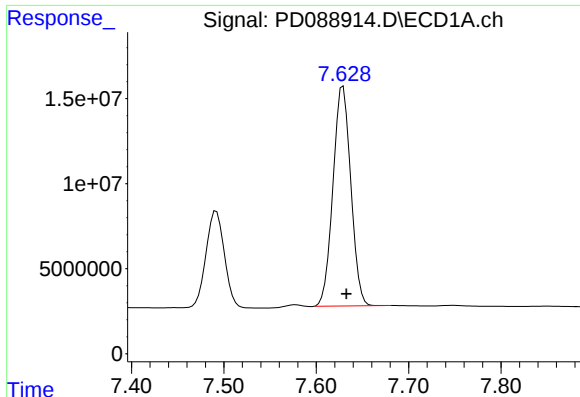
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.003 min
Response: 78624657
Conc: 47.07 ng/ml



#20 Methoxychlor

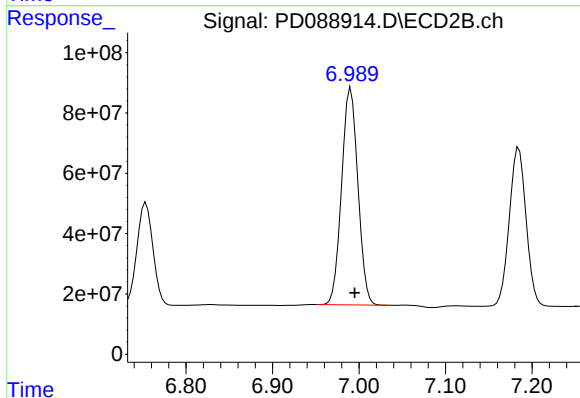
R.T.: 6.754 min
Delta R.T.: -0.004 min
Response: 434777978
Conc: 45.41 ng/ml



#21 Endrin ketone

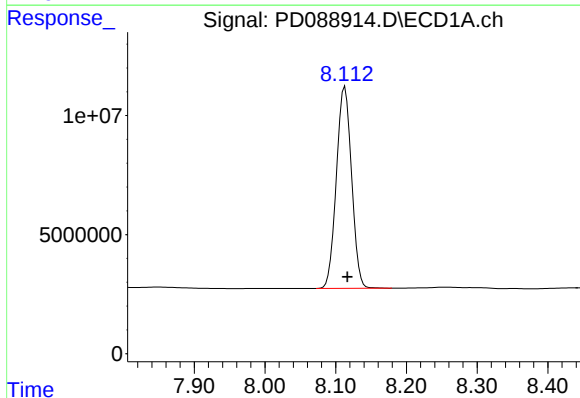
R.T.: 7.629 min
Delta R.T.: -0.004 min
Response: 173229537
Conc: 50.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



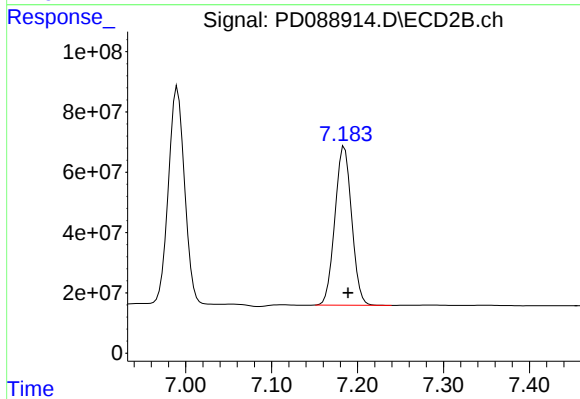
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.004 min
Response: 936636947
Conc: 48.41 ng/ml



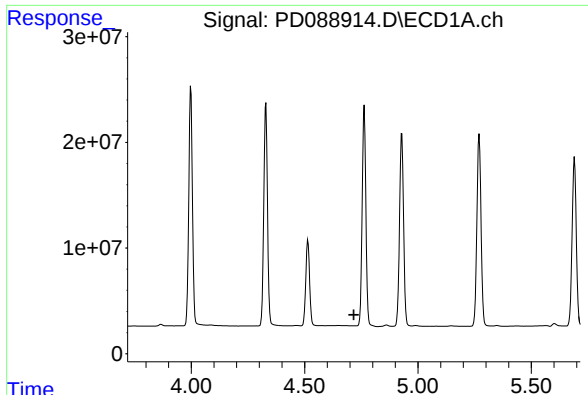
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.004 min
Response: 126385191
Conc: 48.64 ng/ml



#22 Mirex

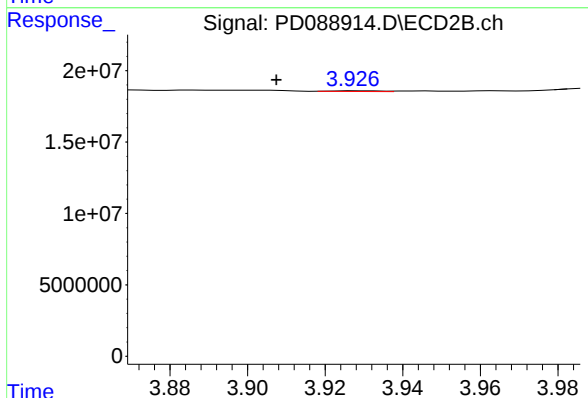
R.T.: 7.185 min
Delta R.T.: -0.004 min
Response: 710934143
Conc: 46.76 ng/ml



#23 Chlordane-1

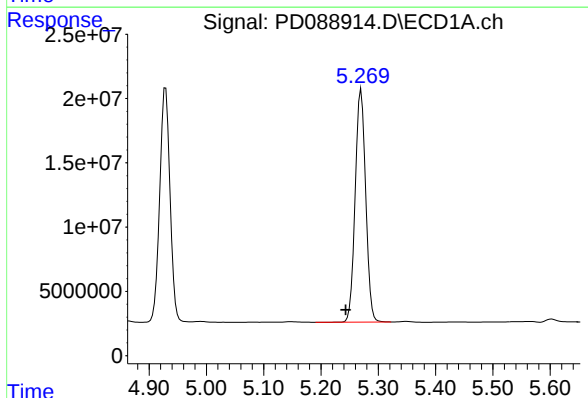
R.T.: 0.000 min
Exp R.T.: 4.717 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



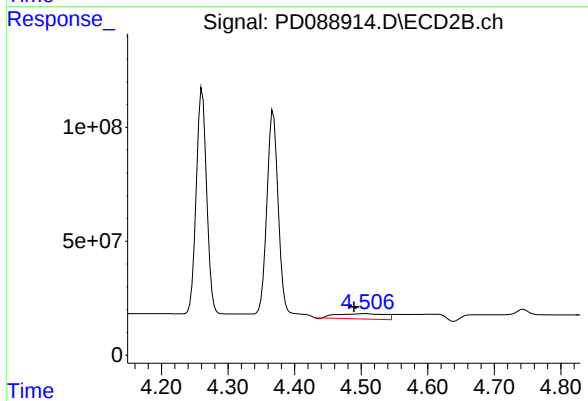
#23 Chlordane-1

R.T.: 3.928 min
Delta R.T.: 0.021 min
Response: 374875
Conc: 0.45 ng/ml



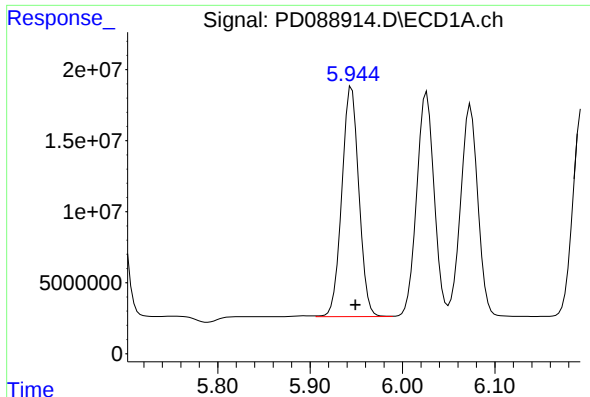
#24 Chlordane-2

R.T.: 5.270 min
Delta R.T.: 0.026 min
Response: 230097543
Conc: 1253.90 ng/ml



#24 Chlordane-2

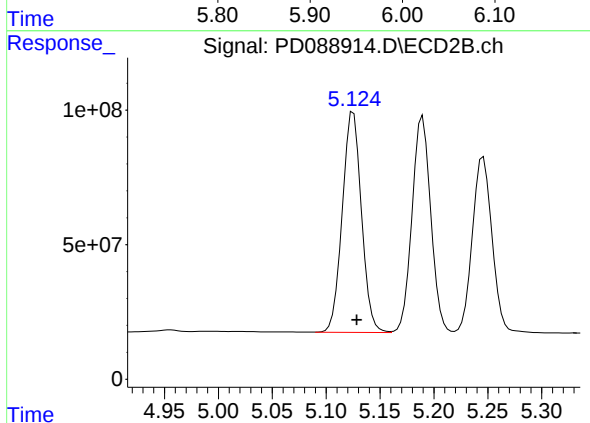
R.T.: 4.506 min
Delta R.T.: 0.017 min
Response: 116852064
Conc: 138.45 ng/ml



#25 Chlordane-3

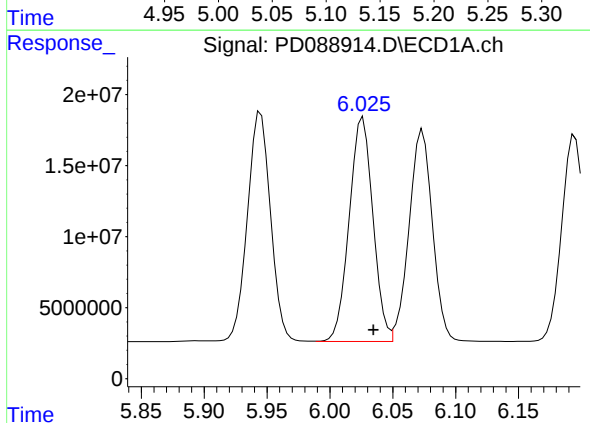
R.T.: 5.945 min
Delta R.T.: -0.004 min
Response: 207569042
Conc: 280.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



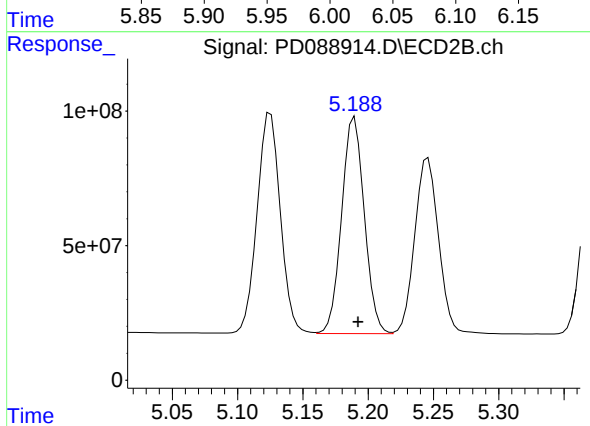
#25 Chlordane-3

R.T.: 5.125 min
Delta R.T.: -0.003 min
Response: 1015528697
Conc: 385.13 ng/ml



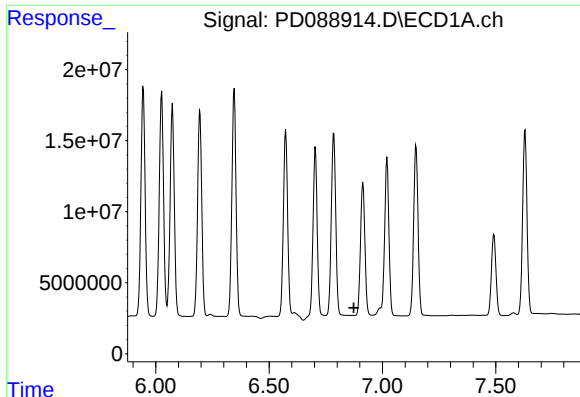
#26 Chlordane-4

R.T.: 6.026 min
Delta R.T.: -0.008 min
Response: 207205376
Conc: 231.21 ng/ml



#26 Chlordane-4

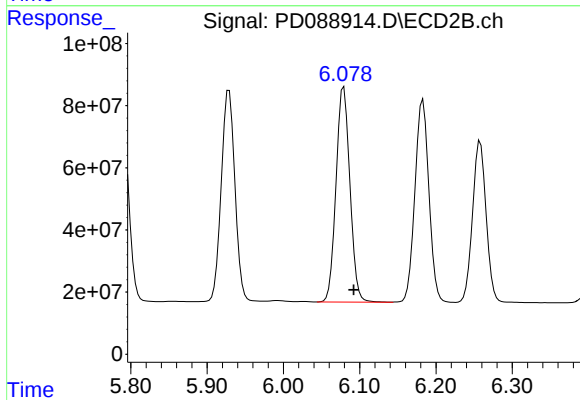
R.T.: 5.190 min
Delta R.T.: -0.003 min
Response: 972855462
Conc: 439.71 ng/ml



#27 Chlordane-5

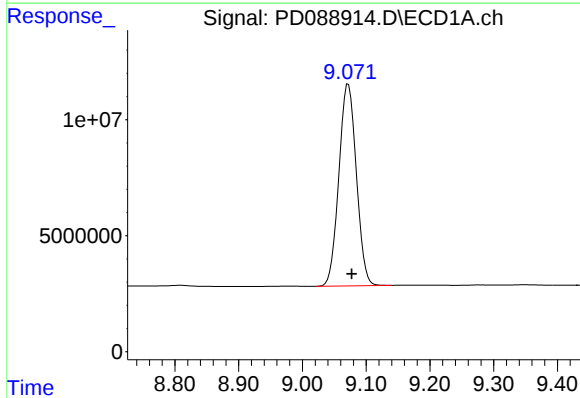
R.T.: 0.000 min
Exp R.T.: 6.873 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



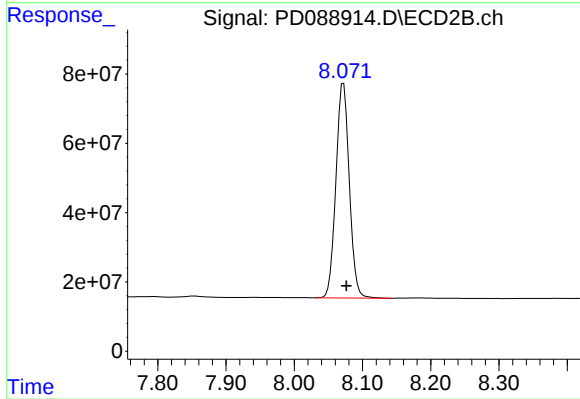
#27 Chlordane-5

R.T.: 6.079 min
Delta R.T.: -0.013 min
Response: 873512330
Conc: 872.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.005 min
Response: 165739868
Conc: 48.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: -0.004 min
Response: 844422032
Conc: 46.25 ng/ml