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

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : RAYMARK SUPERFUND SITE

NOBIS GROUP

585 Middlesex Street

Lowell, MA - 01851

Phone No: 978-683-0891

ORDER ID : Q1383

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1383

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q1383-01	OU4-PCS-TC-11-021725
Q1383-02	OU4-PCS-TC-11-021725
Q1383-03	OU4-PCS-TC-12-021725
Q1383-04	OU4-PCS-TC-12-021725
Q1383-05	OU4-PCS-TC-13-021725
Q1383-06	OU4-PCS-TC-13-021725
Q1383-07	OU4-PCS-TC-14-021725
Q1383-08	OU4-PCS-TC-14-021725
Q1383-09	OU4-PCS-TC-15-021725
Q1383-10	OU4-PCS-TC-15-021725
Q1383-11	OU4-PCS-TC-16-021725
Q1383-12	OU4-PCS-TC-16-021725
Q1383-13	OU4-PCS-TC-17-021725
Q1383-14	OU4-PCS-TC-17-021725
Q1383-15	OU4-PCS-TC-18-021725
Q1383-16	OU4-PCS-TC-18-021725
Q1383-17	OU4-PCS-TC-19-021725
Q1383-18	OU4-PCS-TC-19-021725
Q1383-19	OU4-PCS-TC-20-021725
Q1383-20	OU4-PCS-TC-20-021725
Q1383-21	OU4-CF-15-021725
Q1383-22	OU4-CF-15-021725

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

Signature : **APPROVED** *By Nimisha Pandya, QA/QC Supervisor at 11:39 am, Mar 05, 2025*

Date: 2/27/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Nobis Group
Project Name: Raymark Superfund Site
Project # N/A
Chemtech Project # Q1383
Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:
22 Solid samples were received on 02/18/2025.

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

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

The Surrogate recoveries met the acceptable criteria except for OU4-PCS-TC-12-021725 [Tetrachloro-m-xylene(2) - 130%], OU4-PCS-TC-13-021725 [Tetrachloro-m-xylene(2) - 131%], OU4-PCS-TC-14-021725 [Tetrachloro-m-xylene(2) - 131%] and OU4-PCS-TC-16-021725 [Tetrachloro-m-xylene(2) - 131%]AS per method one surrogate allowed to fail to meet the criteria per column. No further corrective action was taken.

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 File ID PL094313.D met the requirements except for 4,4-DDD,Endrin ketone is failing in 2nd column but it is passing in 1st column therefore no corrective action taken.

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

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

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

Signature APPROVED
By Nimisha Pandya, QA/QC Supervisor at 11:40 am, Mar 05, 2025

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1383 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 File ID PL094313.D met the requirements except for 4,4-DDD,Endrin ketone is failing in 2nd column but it is passing in 1st column therefore no corrective action taken.			✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges. The Surrogate recoveries met the acceptable criteria except for OU4-PCS-TC-12-021725 [Tetrachloro-m-xylene(2) - 130%], OU4-PCS-TC-13-021725 [Tetrachloro-m-xylene(2) - 131%], OU4-PCS-TC-14-021725 [Tetrachloro-m-xylene(2) - 131%] and OU4-PCS-TC-16-021725 [Tetrachloro-m-xylene(2) - 131%]AS per method one surrogate allowed to fail to meet the criteria per column. No further corrective action was taken.		✓	
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS 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:			✓

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

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

ADDITIONAL COMMENTS:

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

The not QT review data is reported in the Miscellaneous.

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

QA REVIEW

REVIEWED

By Sohil Jodhani, QA/QC Director at 11:24 am, Mar 05, 2025

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1383

	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:** 02/27/2025

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LAB CHRONICLE

OrderID:	Q1383	**OrderDate:**	2/18/2025 11:19:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	H31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1383-01	**OU4-PCS-TC-11-021725**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/19/25	
			Pesticide-TCL	8081B		02/19/25	02/19/25	
Q1383-03	**OU4-PCS-TC-12-021725**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/21/25	
			Pesticide-TCL	8081B		02/19/25	02/20/25	
Q1383-05	**OU4-PCS-TC-13-021725**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/21/25	
			Pesticide-TCL	8081B		02/19/25	02/20/25	
Q1383-07	**OU4-PCS-TC-14-021725**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/21/25	
			Pesticide-TCL	8081B		02/19/25	02/20/25	
Q1383-09	**OU4-PCS-TC-15-021725**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/20/25	
			Pesticide-TCL	8081B		02/19/25	02/20/25	
Q1383-09RE	**OU4-PCS-TC-15-021725RE**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/20/25	
Q1383-11	**OU4-PCS-TC-16-021725**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/21/25	
			Pesticide-TCL	8081B		02/19/25	02/20/25	

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LAB CHRONICLE

Q1383-13	**OU4-PCS-TC-17-021725**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/20/25	
			Pesticide-TCL	8081B		02/19/25	02/20/25	
Q1383-13RE	**OU4-PCS-TC-17-021725RE**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/21/25	
Q1383-15	**OU4-PCS-TC-18-021725**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/20/25	
			Pesticide-TCL	8081B		02/19/25	02/20/25	
Q1383-17	**OU4-PCS-TC-19-021725**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/20/25	
			Pesticide-TCL	8081B		02/19/25	02/20/25	
Q1383-17RE	**OU4-PCS-TC-19-021725RE**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/21/25	
Q1383-19	**OU4-PCS-TC-20-021725**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/20/25	
			Pesticide-TCL	8081B		02/19/25	02/20/25	
Q1383-21	**OU4-CF-15-021725**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/20/25	
			Pesticide-TCL	8081B		02/19/25	02/20/25	
Q1383-21RE	**OU4-CF-15-021725RE**	**SOIL**			**02/17/25**			**02/18/25**
			PCB	8082A		02/19/25	02/21/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1383 **Order ID:** Q1383

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :									
			Total Concentration:	**0.000**					

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q1383

Client: Nobis Group

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL093725.D	PIBLK-PL093725.D	Decachlorobiphenyl	1	20	22.1	111		30	135
		Tetrachloro-m-xylene	1	20	20.8	104		44	124
		Decachlorobiphenyl	2	20	21.9	109		30	135
		Tetrachloro-m-xylene	2	20	20.5	103		44	124
I.BLK-PL094270.D	PIBLK-PL094270.D	Decachlorobiphenyl	1	20	24.2	121		30	135
		Tetrachloro-m-xylene	1	20	21.9	109		44	124
		Decachlorobiphenyl	2	20	25.8	129		30	135
		Tetrachloro-m-xylene	2	20	22.1	110		44	124
Q1383-01	OU4-PCS-TC-11-021725	Decachlorobiphenyl	1	20	21.5	108		55	130
		Tetrachloro-m-xylene	1	20	22.8	114		42	129
		Decachlorobiphenyl	2	20	19.6	98		55	130
		Tetrachloro-m-xylene	2	20	23.6	118		42	129
Q1383-01MS	OU4-PCS-TC-11-021725MS	Decachlorobiphenyl	1	20	21.9	110		55	130
		Tetrachloro-m-xylene	1	20	21.9	110		42	129
		Decachlorobiphenyl	2	20	21.3	107		55	130
		Tetrachloro-m-xylene	2	20	22.5	112		42	129
I.BLK-PL094284.D	PIBLK-PL094284.D	Decachlorobiphenyl	1	20	24.4	122		30	135
		Tetrachloro-m-xylene	1	20	22.1	111		44	124
		Decachlorobiphenyl	2	20	23.4	117		30	135
		Tetrachloro-m-xylene	2	20	22.7	113		44	124
Q1383-01MSD	OU4-PCS-TC-11-021725MSD	Decachlorobiphenyl	1	20	19.9	100		55	130
		Tetrachloro-m-xylene	1	20	21.8	109		42	129
		Decachlorobiphenyl	2	20	21.7	109		55	130
		Tetrachloro-m-xylene	2	20	22.9	115		42	129
I.BLK-PL094288.D	PIBLK-PL094288.D	Decachlorobiphenyl	1	20	25.1	125		30	135
		Tetrachloro-m-xylene	1	20	23.2	116		44	124
		Decachlorobiphenyl	2	20	24.9	124		30	135
		Tetrachloro-m-xylene	2	20	23.1	115		44	124
I.BLK-PL094291.D	PIBLK-PL094291.D	Decachlorobiphenyl	1	20	25.2	126		30	135
		Tetrachloro-m-xylene	1	20	21.7	108		44	124
		Decachlorobiphenyl	2	20	25.4	127		30	135
		Tetrachloro-m-xylene	2	20	22.6	113		44	124
Q1383-03	OU4-PCS-TC-12-021725	Decachlorobiphenyl	1	20	24.8	124		55	130
		Tetrachloro-m-xylene	1	20	25.1	125		42	129
		Decachlorobiphenyl	2	20	24.7	123		55	130
		Tetrachloro-m-xylene	2	20	25.9	130	*	42	129
Q1383-05	OU4-PCS-TC-13-021725	Decachlorobiphenyl	1	20	25.2	126		55	130
		Tetrachloro-m-xylene	1	20	25.7	129		42	129
		Decachlorobiphenyl	2	20	25.3	127		55	130
		Tetrachloro-m-xylene	2	20	26.2	131	*	42	129
Q1383-07	OU4-PCS-TC-14-021725	Decachlorobiphenyl	1	20	25.4	127		55	130

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Surrogate Summary

SDG No.: Q1383

Client: Nobis Group

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
Q1383-07	OU4-PCS-TC-14-021725	Tetrachloro-m-xylene	1	20	25.5	128		42	129
		Decachlorobiphenyl	2	20	25.6	128		55	130
		Tetrachloro-m-xylene	2	20	26.1	131	*	42	129
Q1383-09	OU4-PCS-TC-15-021725	Decachlorobiphenyl	1	20	22.8	114		55	130
		Tetrachloro-m-xylene	1	20	23.3	117		42	129
		Decachlorobiphenyl	2	20	24.4	122		55	130
		Tetrachloro-m-xylene	2	20	24.5	122		42	129
Q1383-11	OU4-PCS-TC-16-021725	Decachlorobiphenyl	1	20	25.1	125		55	130
		Tetrachloro-m-xylene	1	20	25.1	125		42	129
		Decachlorobiphenyl	2	20	25.9	129		55	130
		Tetrachloro-m-xylene	2	20	26.1	131	*	42	129
Q1383-13	OU4-PCS-TC-17-021725	Decachlorobiphenyl	1	20	22.6	113		55	130
		Tetrachloro-m-xylene	1	20	24.3	122		42	129
		Decachlorobiphenyl	2	20	23.0	115		55	130
		Tetrachloro-m-xylene	2	20	25.2	126		42	129
Q1383-15	OU4-PCS-TC-18-021725	Decachlorobiphenyl	1	20	18.5	92		55	130
		Tetrachloro-m-xylene	1	20	21.8	109		42	129
		Decachlorobiphenyl	2	20	18.8	94		55	130
		Tetrachloro-m-xylene	2	20	23.2	116		42	129
Q1383-17	OU4-PCS-TC-19-021725	Decachlorobiphenyl	1	20	22.2	111		55	130
		Tetrachloro-m-xylene	1	20	23.9	119		42	129
		Decachlorobiphenyl	2	20	22.3	111		55	130
		Tetrachloro-m-xylene	2	20	24.8	124		42	129
Q1383-19	OU4-PCS-TC-20-021725	Decachlorobiphenyl	1	20	21.9	110		55	130
		Tetrachloro-m-xylene	1	20	22.7	114		42	129
		Decachlorobiphenyl	2	20	22.2	111		55	130
		Tetrachloro-m-xylene	2	20	23.3	117		42	129
Q1383-21	OU4-CF-15-021725	Decachlorobiphenyl	1	20	23.4	117		55	130
		Tetrachloro-m-xylene	1	20	23.9	120		42	129
		Decachlorobiphenyl	2	20	24.0	120		55	130
		Tetrachloro-m-xylene	2	20	24.9	124		42	129
I.BLK-PL094304.D	PIBLK-PL094304.D	Decachlorobiphenyl	1	20	25.1	126		30	135
		Tetrachloro-m-xylene	1	20	22.5	112		44	124
		Decachlorobiphenyl	2	20	25.7	128		30	135
		Tetrachloro-m-xylene	2	20	22.8	114		44	124
PB166775BL	PB166775BL	Decachlorobiphenyl	1	20	24.8	124		55	130
		Tetrachloro-m-xylene	1	20	21.4	107		42	129
		Decachlorobiphenyl	2	20	26.1	130		55	130
		Tetrachloro-m-xylene	2	20	21.7	108		42	129
PB166775BS	PB166775BS	Decachlorobiphenyl	1	20	23.0	115		55	130
		Tetrachloro-m-xylene	1	20	19.9	100		42	129

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Surrogate Summary

SDG No.: Q1383

Client: Nobis Group

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
PB166775BS	PB166775BS	Decachlorobiphenyl	2	20	24.3	122		55	130
		Tetrachloro-m-xylene	2	20	19.8	99		42	129
I.BLK-PL094312.D	PIBLK-PL094312.D	Decachlorobiphenyl	1	20	22.7	113		30	135
		Tetrachloro-m-xylene	1	20	19.9	100		44	124
		Decachlorobiphenyl	2	20	23.6	118		30	135
		Tetrachloro-m-xylene	2	20	20.2	101		44	124

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1383

Client: Nobis Group

Analytical Method: 8081B **DataFile :** PL094283.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**OU4-PCS-TC-11-021725MS**											
Q1383-01MS	alpha-BHC	17.96	0	15.9	ug/kg	89				45	137	
	beta-BHC	17.96	0	16.3	ug/kg	91				50	136	
	delta-BHC	17.96	0	15.6	ug/kg	87				47	139	
	gamma-BHC (Lindane)	17.96	0	15.7	ug/kg	87				49	135	
	Heptachlor	17.96	0	16.5	ug/kg	92				47	136	
	Aldrin	17.96	0	15.8	ug/kg	88				45	136	
	Heptachlor epoxide	17.96	0	16.4	ug/kg	91				52	136	
	Endosulfan I	17.96	0	16.7	ug/kg	93				53	132	
	Dieldrin	17.96	0	16.6	ug/kg	92				56	136	
	4,4'-DDE	17.96	0	17.3	ug/kg	96				56	134	
	Endrin	17.96	0	17.6	ug/kg	98				57	140	
	Endosulfan II	17.96	0	17.7	ug/kg	99				53	134	
	4,4'-DDD	17.96	0	17.4	ug/kg	97				56	139	
	Endosulfan sulfate	17.96	0	16.7	ug/kg	93				55	136	
	4,4'-DDT	17.96	0	18.5	ug/kg	103				50	141	
	Methoxychlor	17.96	0	17.7	ug/kg	99				52	143	
	Endrin ketone	17.96	0	16.3	ug/kg	91				55	136	
	Endrin aldehyde	17.96	0	15.5	ug/kg	86				35	137	
	alpha-Chlordane	17.96	0	17.0	ug/kg	95				54	133	
	gamma-Chlordane	17.96	0	17.4	ug/kg	97				53	135	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1383

Client: Nobis Group

Analytical Method: 8081B **DataFile :** PL094287.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**OU4-PCS-TC-11-021725MSD**											
Q1383-01MSD	alpha-BHC	17.97	0	15.9	ug/kg	88		1		45	137	20
	beta-BHC	17.97	0	16.3	ug/kg	91		0		50	136	20
	delta-BHC	17.97	0	15.9	ug/kg	88		1		47	139	20
	gamma-BHC (Lindane)	17.97	0	15.6	ug/kg	87		0		49	135	20
	Heptachlor	17.97	0	16.5	ug/kg	92		0		47	136	20
	Aldrin	17.97	0	15.8	ug/kg	88		0		45	136	20
	Heptachlor epoxide	17.97	0	16.1	ug/kg	90		1		52	136	20
	Endosulfan I	17.97	0	16.4	ug/kg	91		2		53	132	20
	Dieldrin	17.97	0	16.7	ug/kg	93		1		56	136	20
	4,4'-DDE	17.97	0	17.3	ug/kg	96		0		56	134	20
	Endrin	17.97	0	17.4	ug/kg	97		1		57	140	20
	Endosulfan II	17.97	0	17.4	ug/kg	97		2		53	134	20
	4,4'-DDD	17.97	0	17.6	ug/kg	98		1		56	139	20
	Endosulfan sulfate	17.97	0	16.0	ug/kg	89		4		55	136	20
	4,4'-DDT	17.97	0	18.6	ug/kg	104		1		50	141	20
	Methoxychlor	17.97	0	18.7	ug/kg	104		5		52	143	20
	Endrin ketone	17.97	0	16.3	ug/kg	91		0		55	136	20
	Endrin aldehyde	17.97	0	16.2	ug/kg	90		5		35	137	20
	alpha-Chlordane	17.97	0	16.7	ug/kg	93		2		54	133	20
	gamma-Chlordane	17.97	0	17.4	ug/kg	97		0		53	135	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1383

Client: Nobis Group

Analytical Method: 8081B **Datafile :** PL094309.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166775BS	alpha-BHC	16.66	17.0	ug/kg	102				45	137	
	beta-BHC	16.66	17.2	ug/kg	103				50	136	
	delta-BHC	16.66	16.4	ug/kg	98				47	139	
	gamma-BHC (Lindane)	16.66	16.7	ug/kg	100				49	135	
	Heptachlor	16.66	17.6	ug/kg	106				47	136	
	Aldrin	16.66	17.1	ug/kg	103				45	136	
	Heptachlor epoxide	16.66	17.7	ug/kg	106				52	136	
	Endosulfan I	16.66	18.3	ug/kg	110				53	132	
	Dieldrin	16.66	18.0	ug/kg	108				56	136	
	4,4'-DDE	16.66	18.7	ug/kg	112				56	134	
	Endrin	16.66	16.9	ug/kg	101				57	140	
	Endosulfan II	16.66	18.8	ug/kg	113				53	134	
	4,4'-DDD	16.66	19.8	ug/kg	119				56	139	
	Endosulfan sulfate	16.66	18.8	ug/kg	113				55	136	
	4,4'-DDT	16.66	18.6	ug/kg	112				50	141	
	Methoxychlor	16.66	18.0	ug/kg	108				52	143	
	Endrin ketone	16.66	19.7	ug/kg	118				55	136	
	Endrin aldehyde	16.66	18.2	ug/kg	109				35	137	
	alpha-Chlordane	16.66	18.3	ug/kg	110				54	133	
	gamma-Chlordane	16.66	18.5	ug/kg	111				53	135	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166775BL

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1383 SAS No.: Q1383 SDG NO.: Q1383

Lab Sample ID: PB166775BL Lab File ID: PL094308.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 02/19/2025

Date Analyzed (1): 02/20/2025 Date Analyzed (2): 02/20/2025

Time Analyzed (1): 16:08 Time Analyzed (2): 16:08

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
OU4-PCS-TC-11-021725	Q1383-01	PL094282.D	02/19/2025	02/19/2025
OU4-PCS-TC-11-021725MS	Q1383-01MS	PL094283.D	02/19/2025	02/19/2025
OU4-PCS-TC-11-021725MSD	Q1383-01MSD	PL094287.D	02/20/2025	02/20/2025
OU4-PCS-TC-12-021725	Q1383-03	PL094294.D	02/20/2025	02/20/2025
OU4-PCS-TC-13-021725	Q1383-05	PL094295.D	02/20/2025	02/20/2025
OU4-PCS-TC-14-021725	Q1383-07	PL094296.D	02/20/2025	02/20/2025
OU4-PCS-TC-15-021725	Q1383-09	PL094297.D	02/20/2025	02/20/2025
OU4-PCS-TC-16-021725	Q1383-11	PL094298.D	02/20/2025	02/20/2025
OU4-PCS-TC-17-021725	Q1383-13	PL094299.D	02/20/2025	02/20/2025
OU4-PCS-TC-18-021725	Q1383-15	PL094300.D	02/20/2025	02/20/2025
OU4-PCS-TC-19-021725	Q1383-17	PL094301.D	02/20/2025	02/20/2025
OU4-PCS-TC-20-021725	Q1383-19	PL094302.D	02/20/2025	02/20/2025
OU4-CF-15-021725	Q1383-21	PL094303.D	02/20/2025	02/20/2025
PB166775BS	PB166775BS	PL094309.D	02/20/2025	02/20/2025

COMMENTS:

SAMPLE DATA

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-11-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.6 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
PL094282.D	1	02/19/25 09:40	02/19/25 20:16	PB166775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00019	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00032	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0056	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.5		55 - 130		108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.6		42 - 129		118%	SPK: 20

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-11-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.6 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
PL094282.D	1	02/19/25 09:40	02/19/25 20:16	PB166775

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

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094282.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 20:16
Operator : AR\AJ
Sample : Q1383-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:17:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.772	61335412	76859263	22.778m	23.546
28)	SA Decachlor...	9.050	7.905	44987639	68755121	21.505	19.622
	Target Compounds						

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

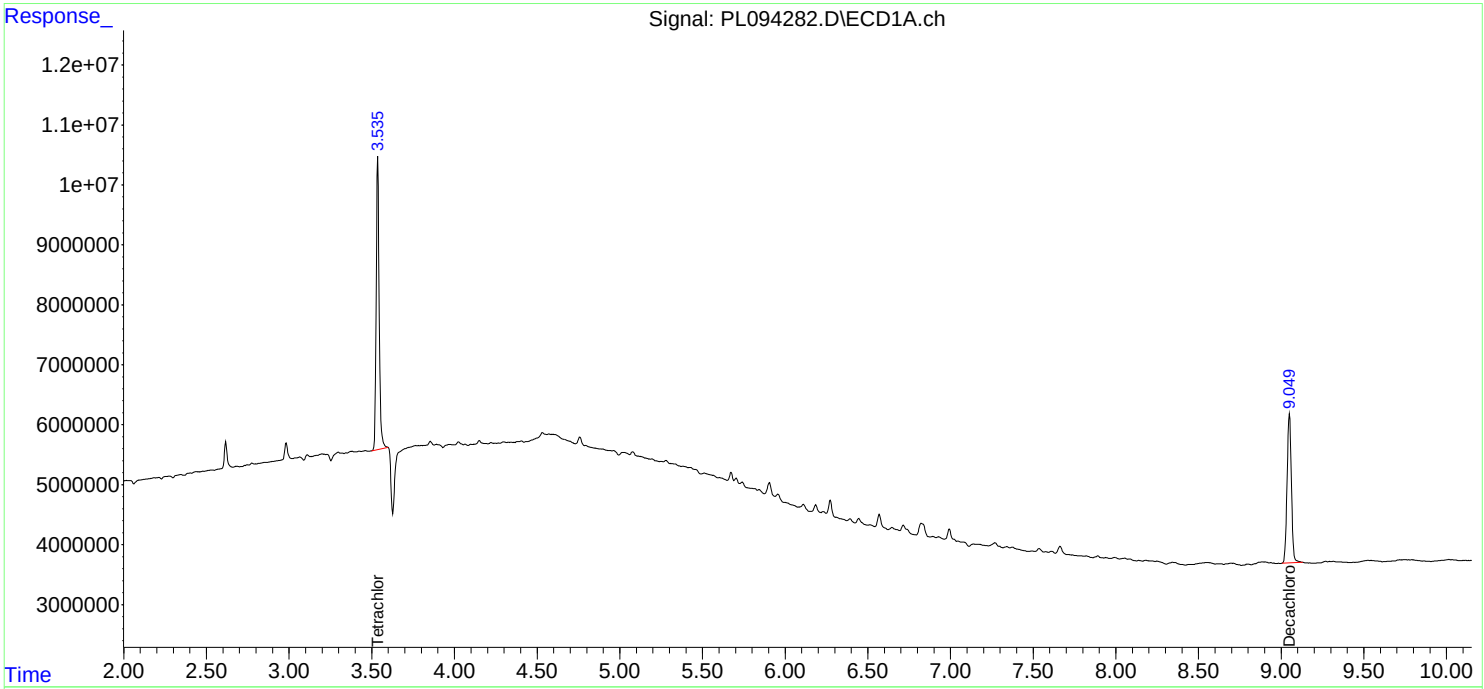
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094282.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 20:16
Operator : AR\AJ
Sample : Q1383-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

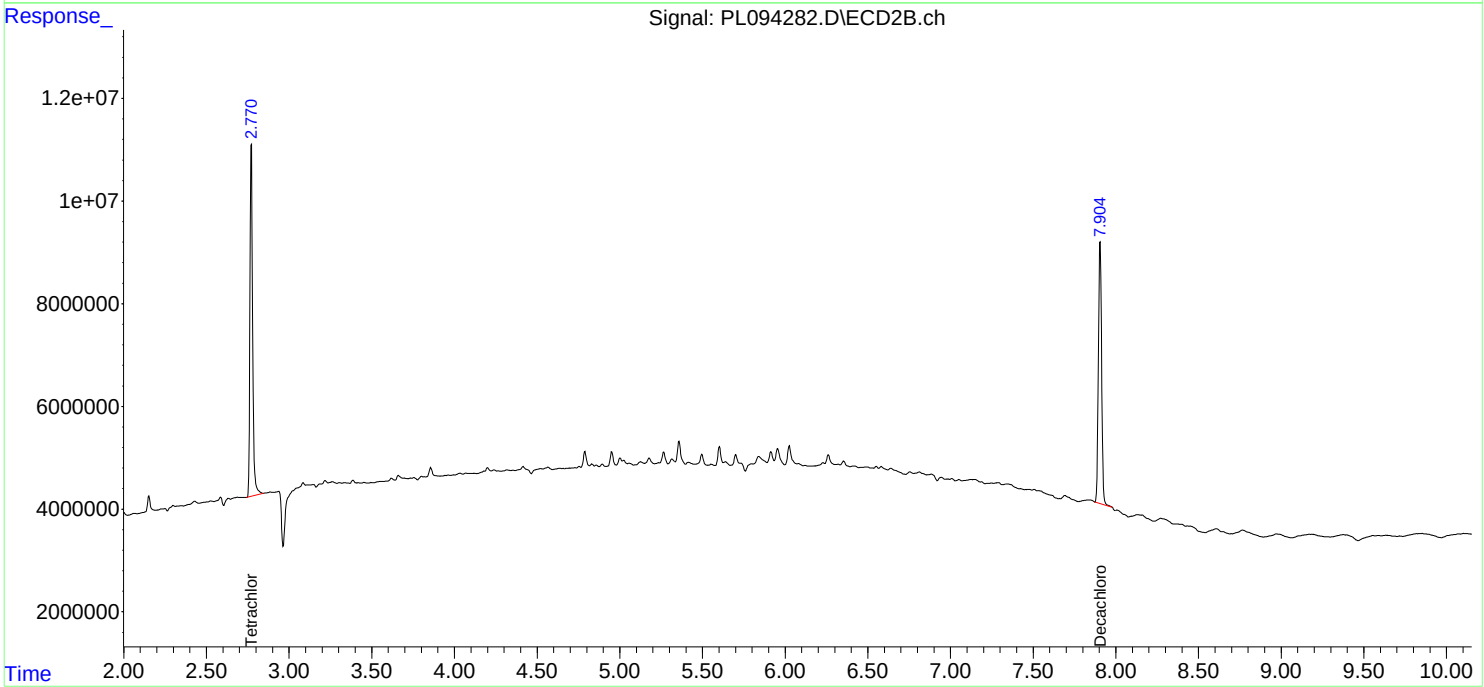
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725

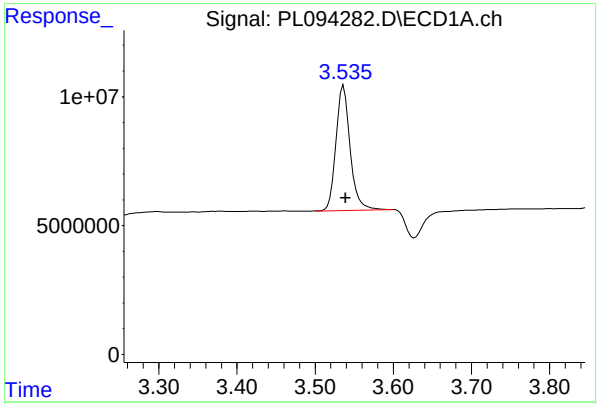
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:17:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







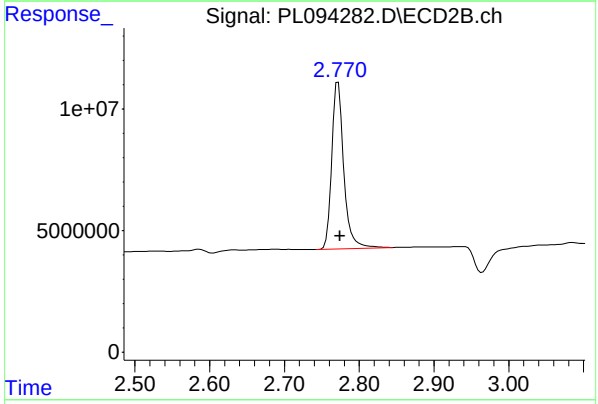
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.004 min
Response: 61335412
Conc: 22.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725

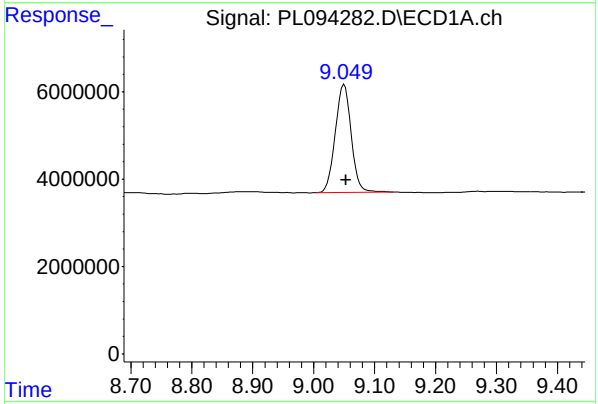
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



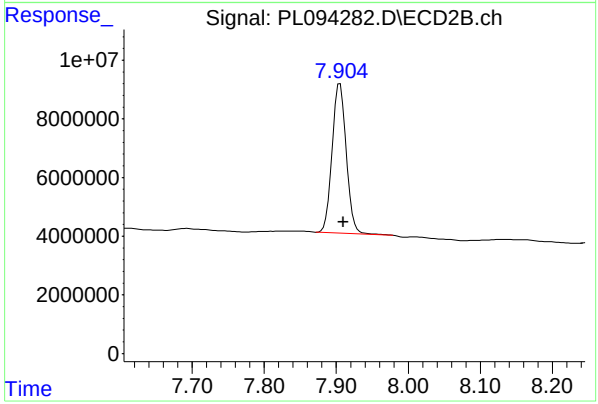
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 76859263
Conc: 23.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 44987639
Conc: 21.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 68755121
Conc: 19.62 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-12-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.2 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094294.D	1	02/19/25 09:40	02/20/25 10:29	PB166775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00019	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00032	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0057	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.8		55 - 130		124%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.9	*	42 - 129		130%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-12-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.2 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094294.D	1	02/19/25 09:40	02/20/25 10:29	PB166775

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

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094294.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 10:29
Operator : AR\AJ
Sample : Q1383-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-12-021725

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:34:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.772	67569232	84531536	25.093m	25.897
28)	SA Decachlor...	9.051	7.905	51930496	86475046	24.824	24.678
	Target Compounds						

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

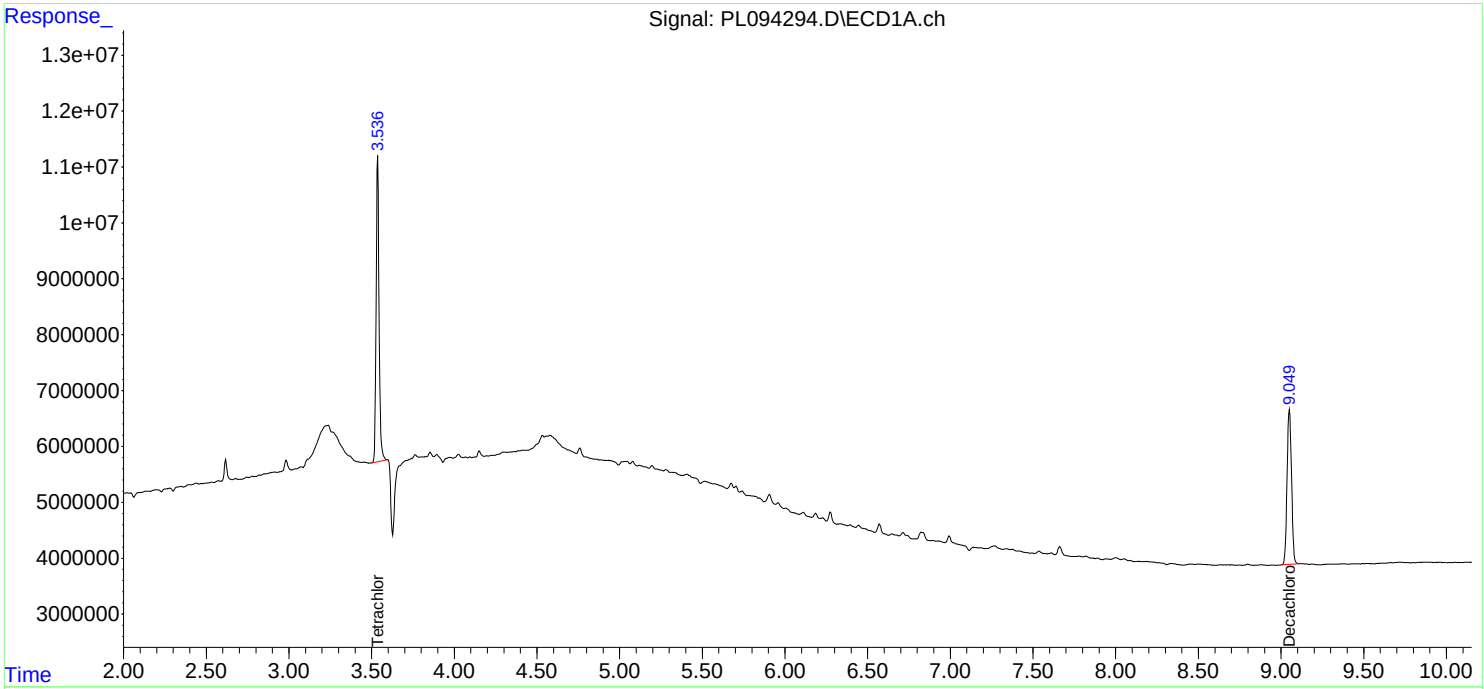
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094294.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 10:29
Operator : AR\AJ
Sample : Q1383-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

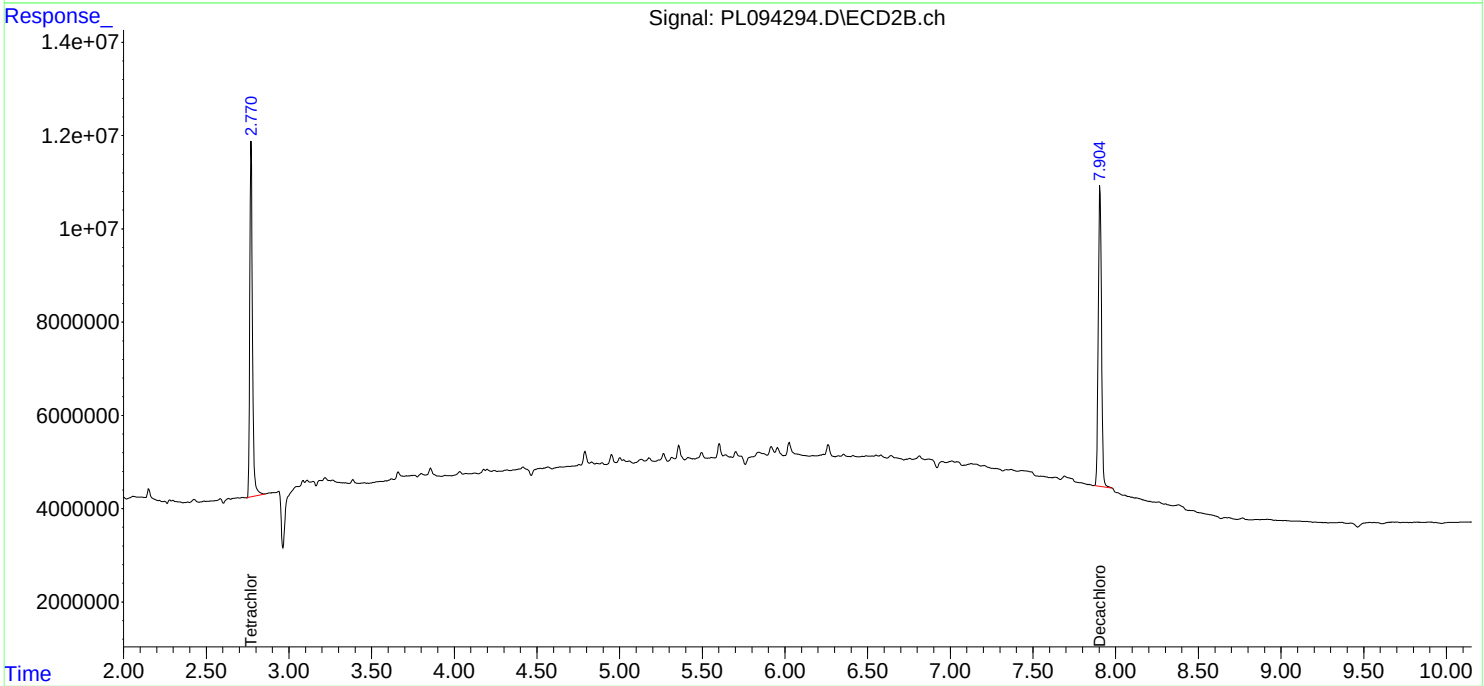
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-12-021725

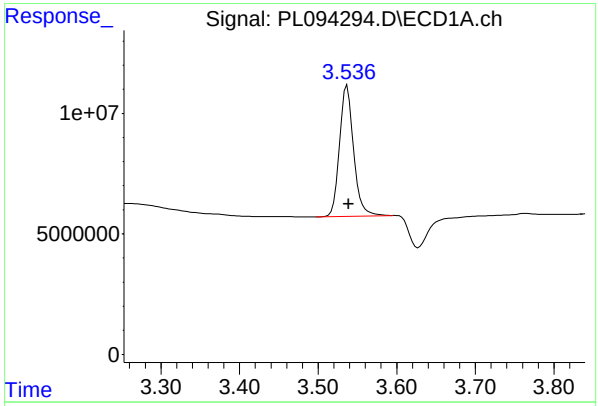
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:34:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







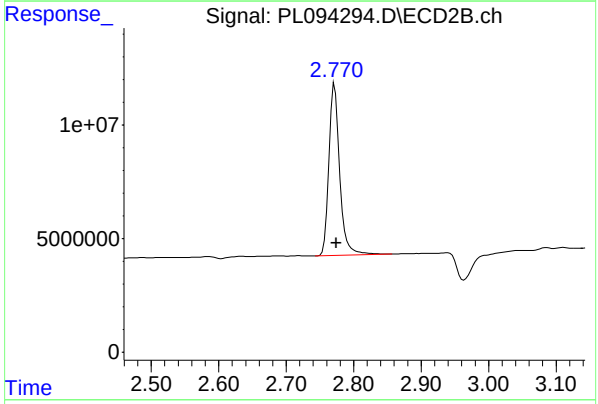
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.004 min
Response: 67569232
Conc: 25.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-12-021725

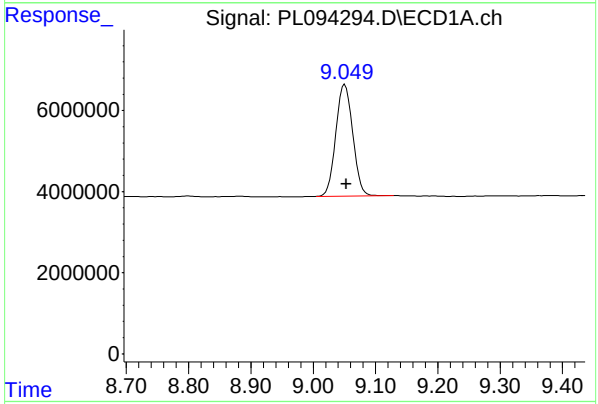
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



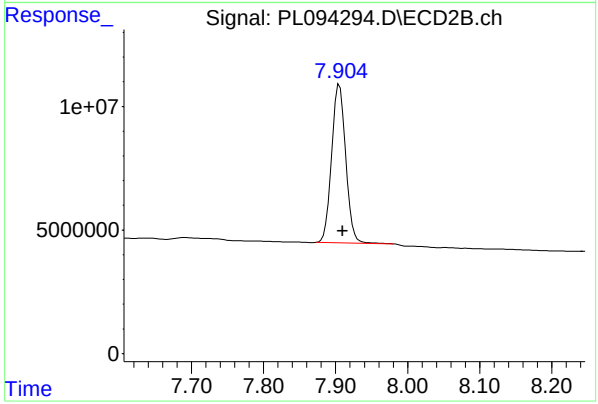
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 84531536
Conc: 25.90 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.002 min
Response: 51930496
Conc: 24.82 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.004 min
Response: 86475046
Conc: 24.68 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-13-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-05	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.5 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
PL094295.D	1	02/19/25 09:40	02/20/25 10:43	PB166775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00019	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00032	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0056	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	25.3		55 - 130		127%	SPK: 20
877-09-8	Tetrachloro-m-xylene	26.2	*	42 - 129		131%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-13-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-05	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.5 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
PL094295.D	1	02/19/25 09:40	02/20/25 10:43	PB166775

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

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094295.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 10:43
Operator : AR\AJ
Sample : Q1383-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-13-021725

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:34:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.772	69203602	85540938	25.700m	26.206
28)	SA Decachlor...	9.051	7.905	52716667	88727506	25.200	25.321
	Target Compounds						

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

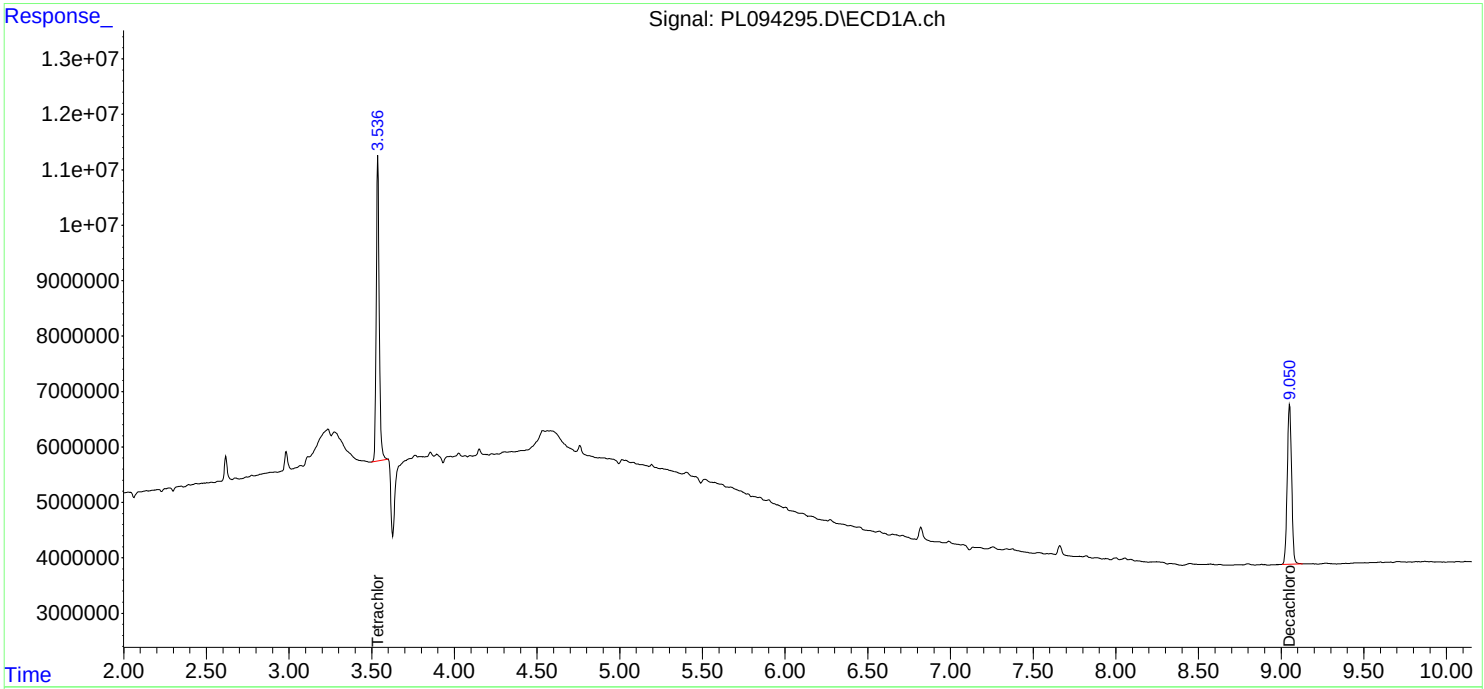
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094295.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 10:43
Operator : AR\AJ
Sample : Q1383-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

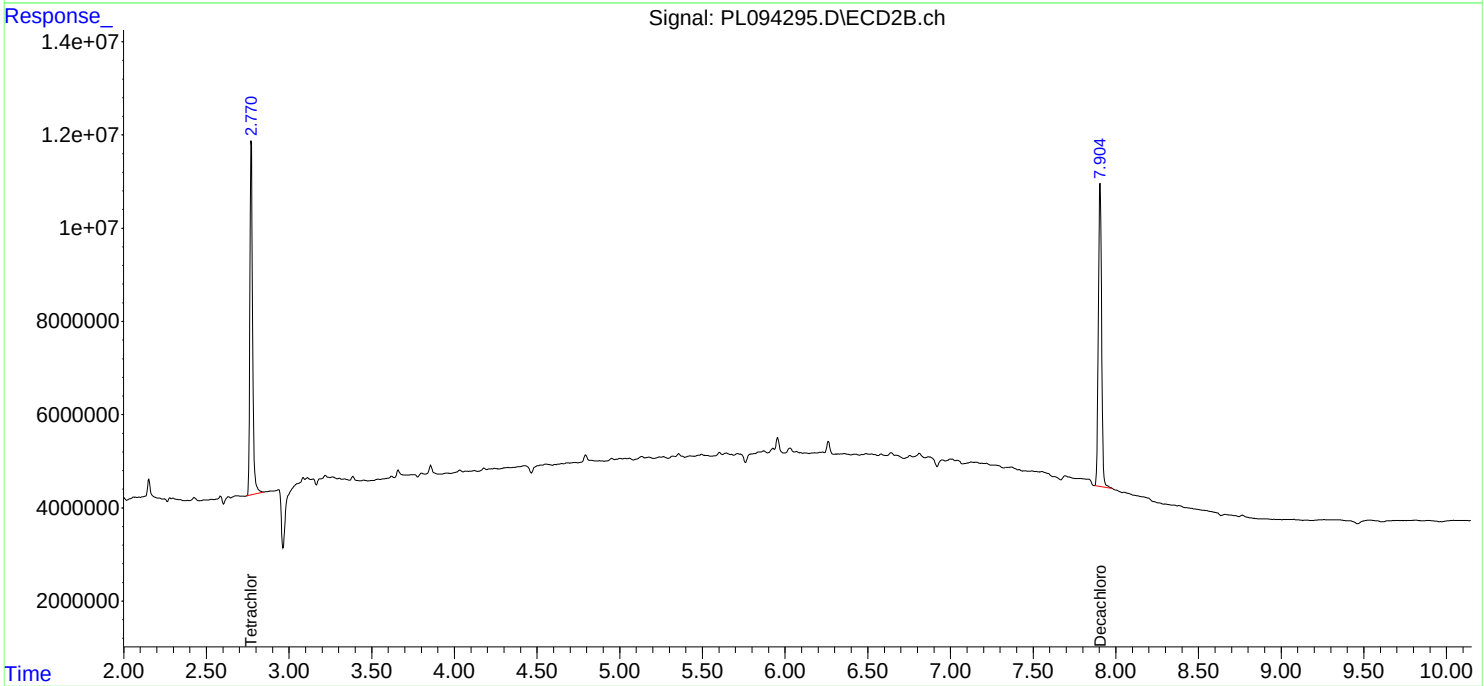
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-13-021725

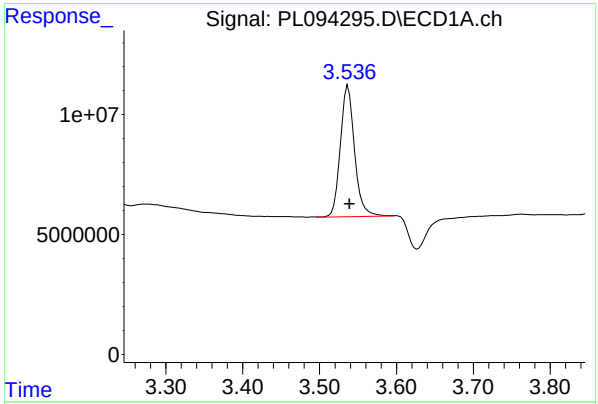
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:34:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







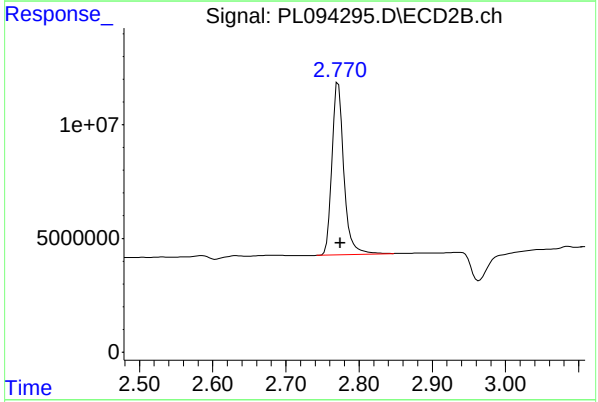
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.004 min
Response: 69203602
Conc: 25.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-13-021725

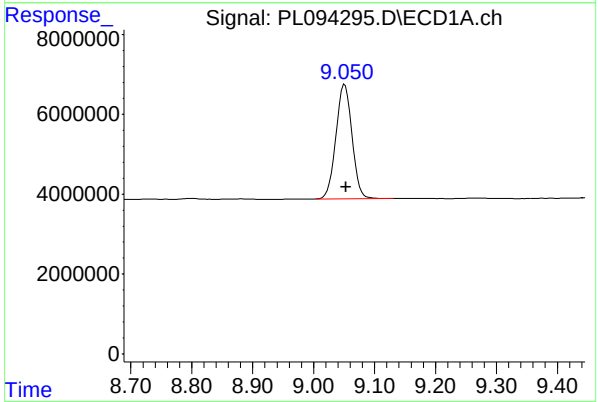
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



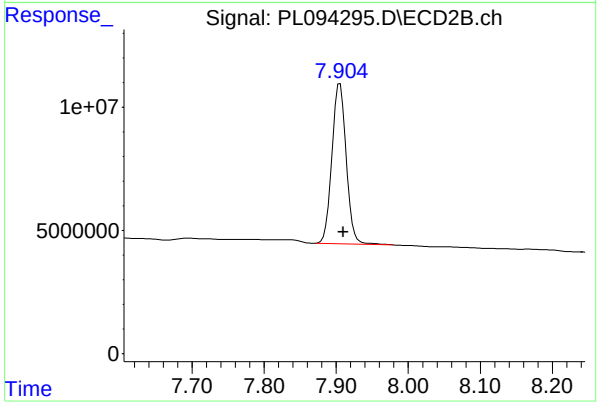
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 85540938
Conc: 26.21 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.002 min
Response: 52716667
Conc: 25.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 88727506
Conc: 25.32 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-14-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-07	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.1 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
PL094296.D	1	02/19/25 09:40	02/20/25 10:57	PB166775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00020	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00033	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0057	0.019	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	25.6		55 - 130		128%	SPK: 20
877-09-8	Tetrachloro-m-xylene	26.1	*	42 - 129		131%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-14-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-07	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.1 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
PL094296.D	1	02/19/25 09:40	02/20/25 10:57	PB166775

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

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094296.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 10:57
Operator : AR\AJ
Sample : Q1383-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-14-021725

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:35:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.771	68763037	85322506	25.536m	26.139
28)	SA Decachlor...	9.051	7.905	53176040	89838048	25.420	25.638
	Target Compounds						

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

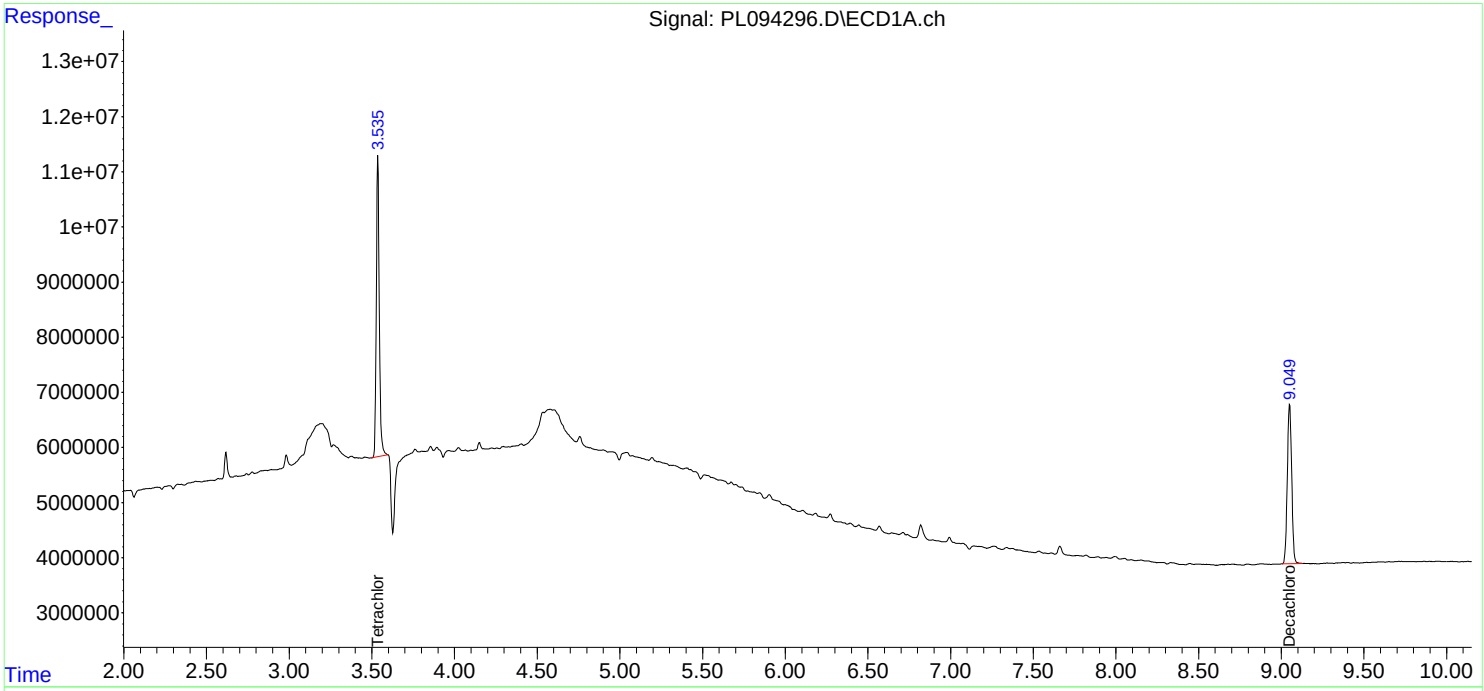
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094296.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 10:57
Operator : AR\AJ
Sample : Q1383-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

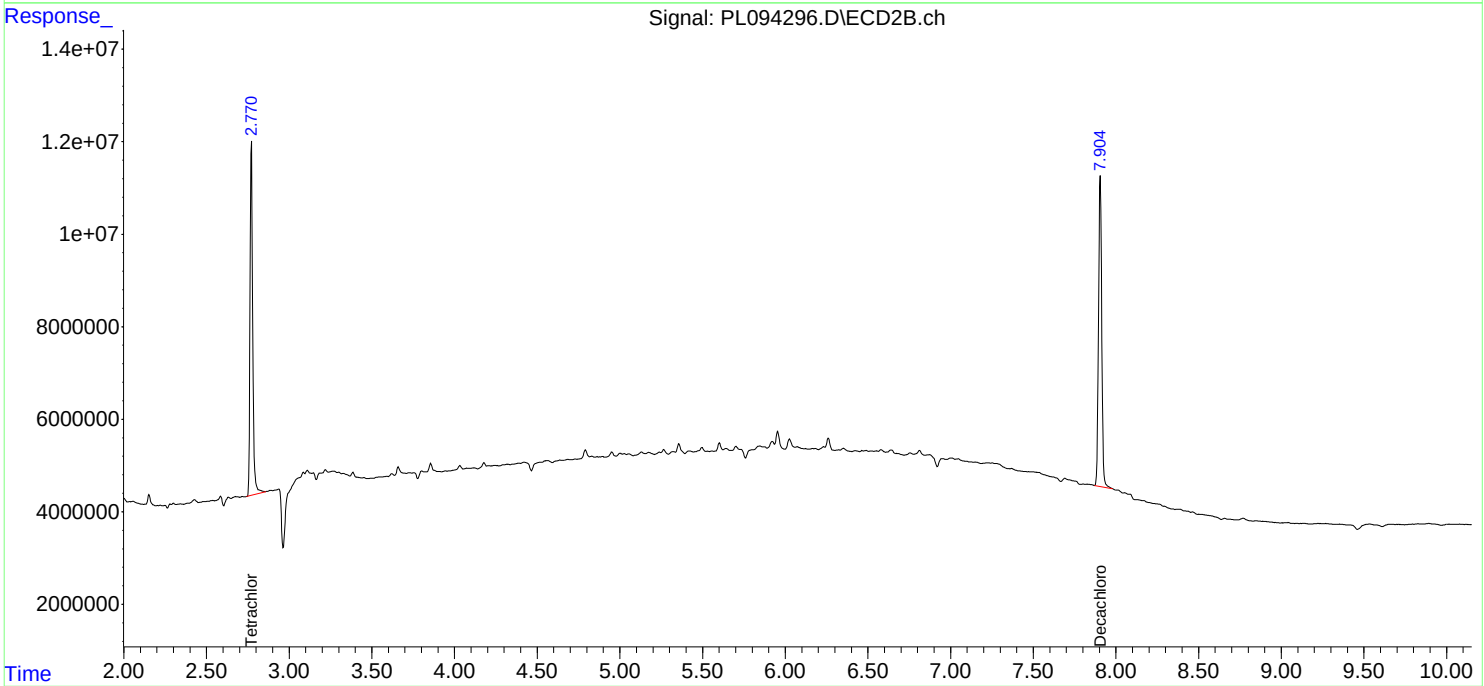
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-14-021725

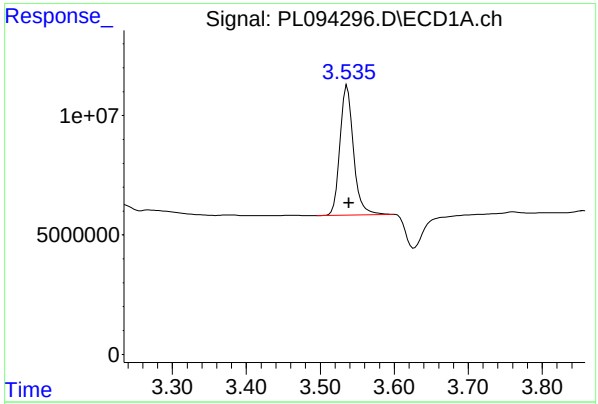
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:35:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







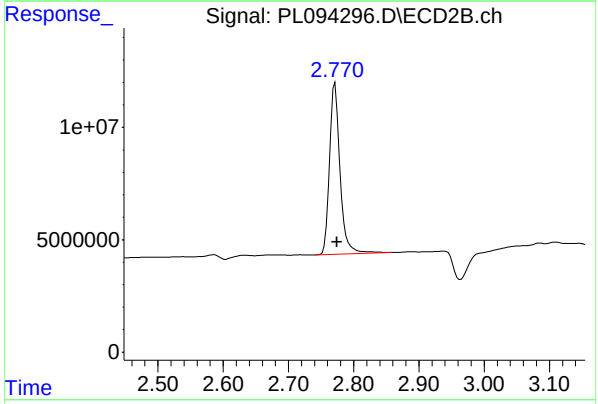
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.004 min
Response: 68763037
Conc: 25.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-14-021725

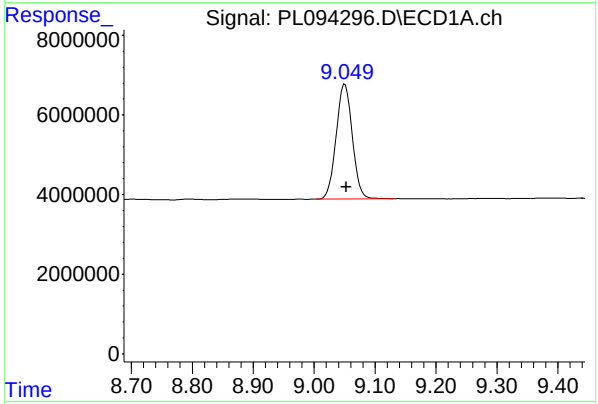
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



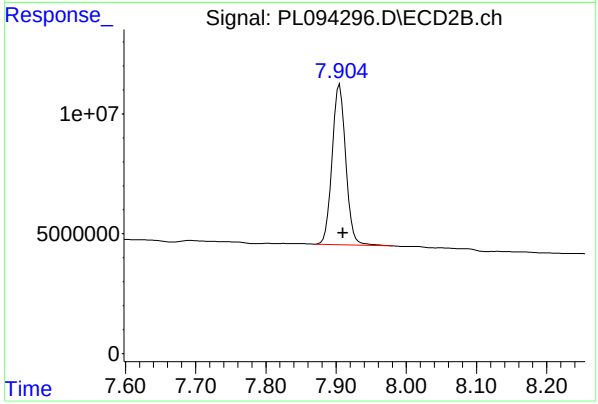
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 85322506
Conc: 26.14 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.002 min
Response: 53176040
Conc: 25.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 89838048
Conc: 25.64 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-15-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-09	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.5 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
PL094297.D	1	02/19/25 09:40	02/20/25 11:11	PB166775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00019	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00032	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0056	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.4		55 - 130		122%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.5		42 - 129		122%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-15-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-09	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.5 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
PL094297.D	1	02/19/25 09:40	02/20/25 11:11	PB166775

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

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094297.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 11:11
Operator : AR\AJ
Sample : Q1383-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-15-021725

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:35:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.772	62761143	79838634	23.307m	24.459
28)	SA Decachlor...	9.051	7.905	47628445	85468163	22.768	24.391
	Target Compounds						

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

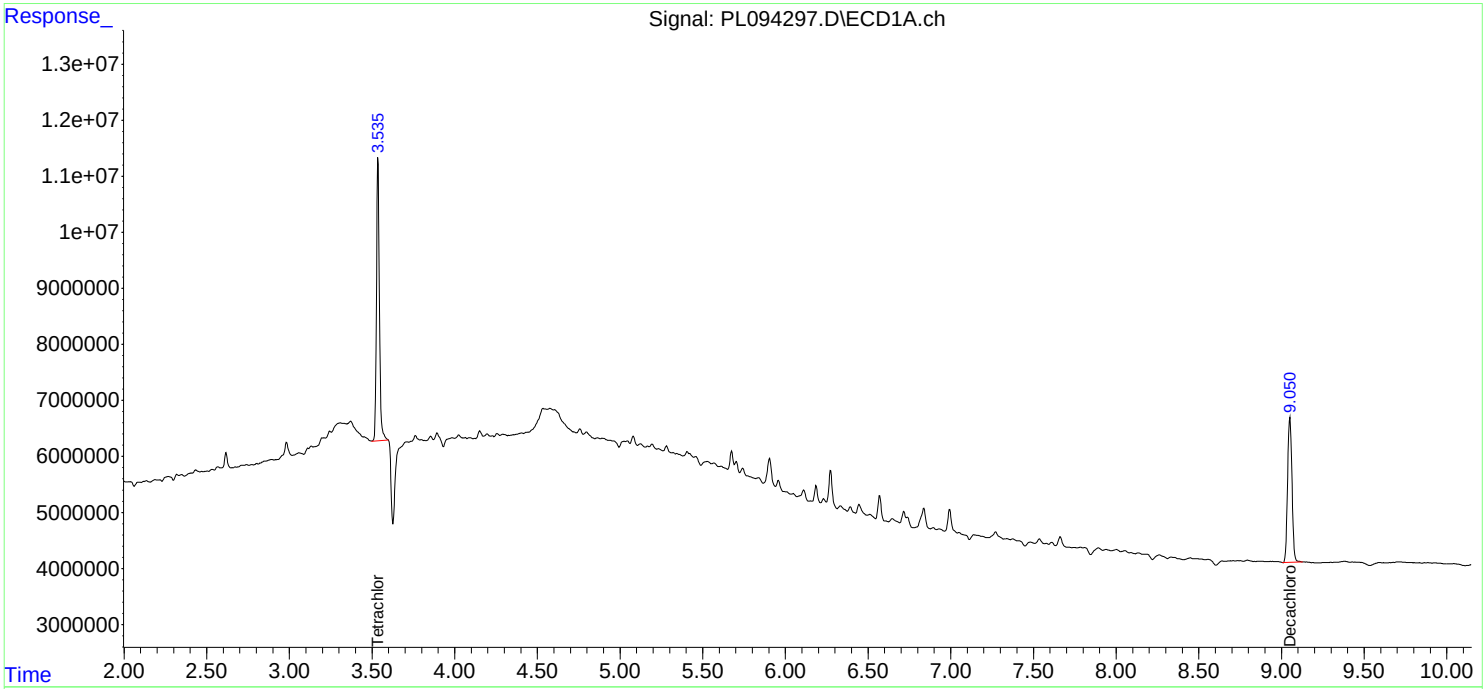
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094297.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 11:11
Operator : AR\AJ
Sample : Q1383-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

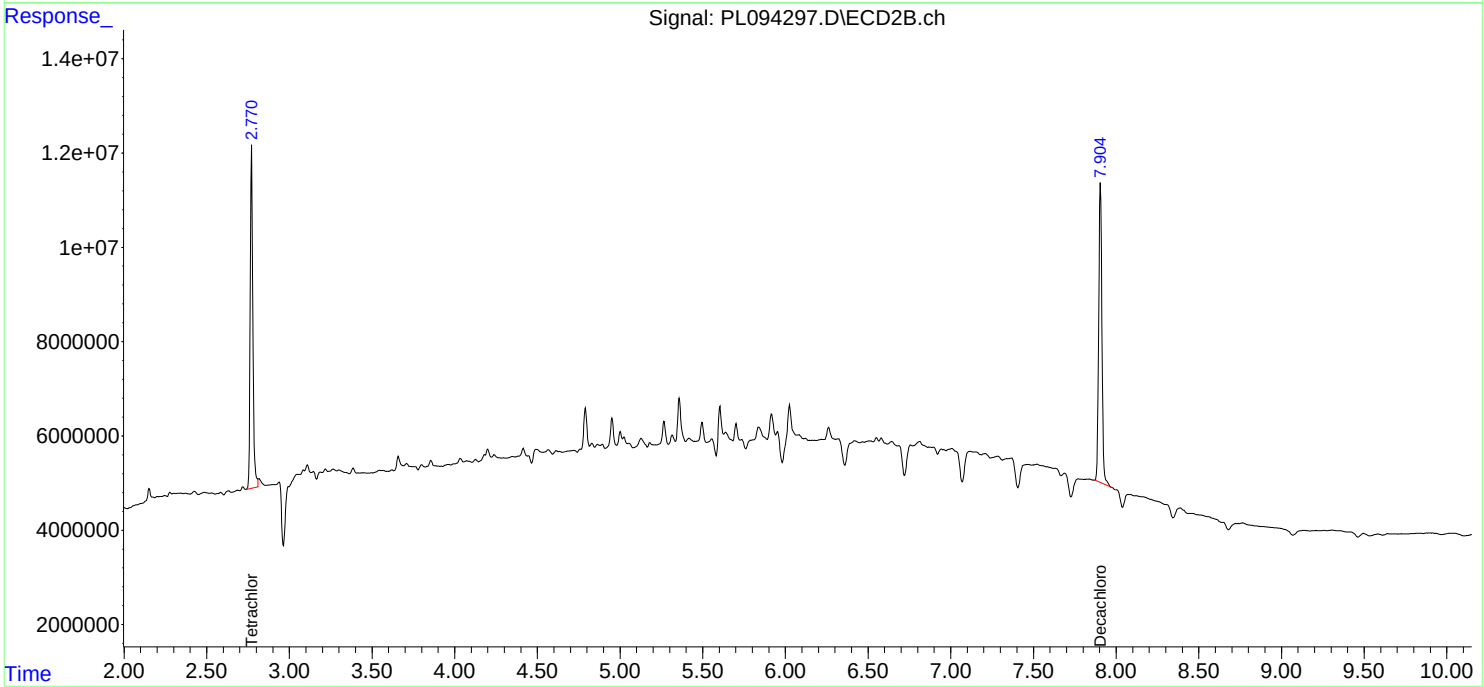
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-15-021725

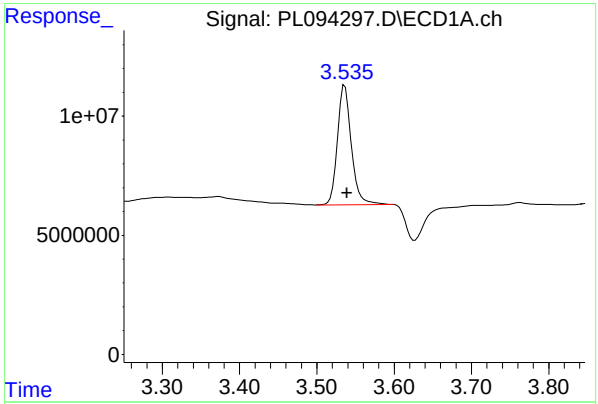
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:35:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







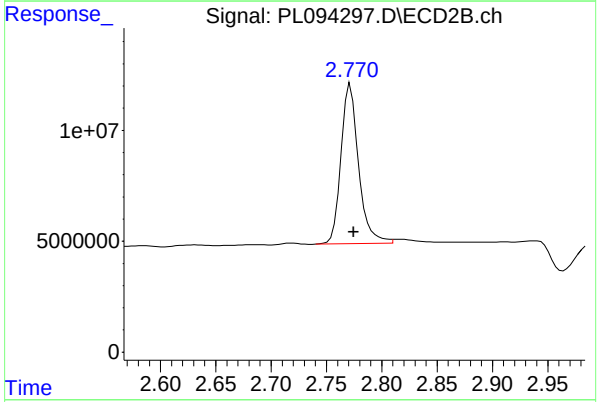
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.004 min
Response: 62761143
Conc: 23.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-15-021725

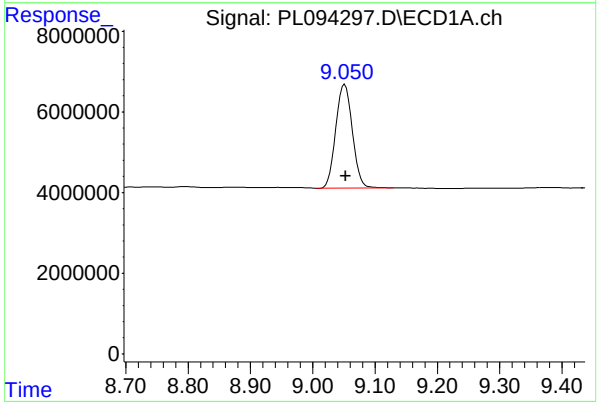
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/24/2025



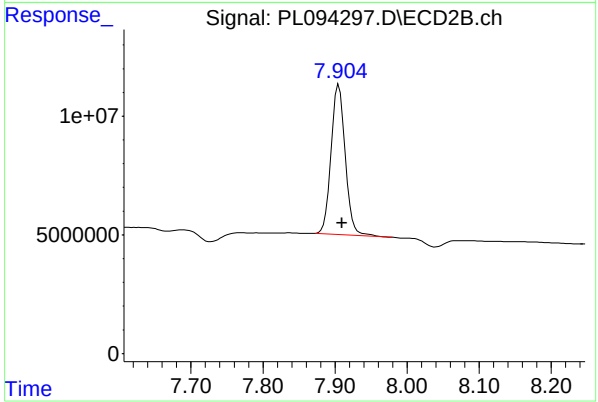
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 79838634
Conc: 24.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.002 min
Response: 47628445
Conc: 22.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 85468163
Conc: 24.39 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-16-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-11	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.1 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094298.D	1	02/19/25 09:40	02/20/25 11:24	PB166775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00020	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00033	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0057	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	25.9		55 - 130		129%	SPK: 20
877-09-8	Tetrachloro-m-xylene	26.1	*	42 - 129		131%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-16-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-11	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.1 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094298.D	1	02/19/25 09:40	02/20/25 11:24	PB166775

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

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094298.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 11:24
Operator : AR\AJ
Sample : Q1383-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-16-021725

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:35:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.772	67539198	85217714	25.082m	26.107
28)	SA Decachlor...	9.051	7.906	52400715	90638245	25.049	25.867
	Target Compounds						

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

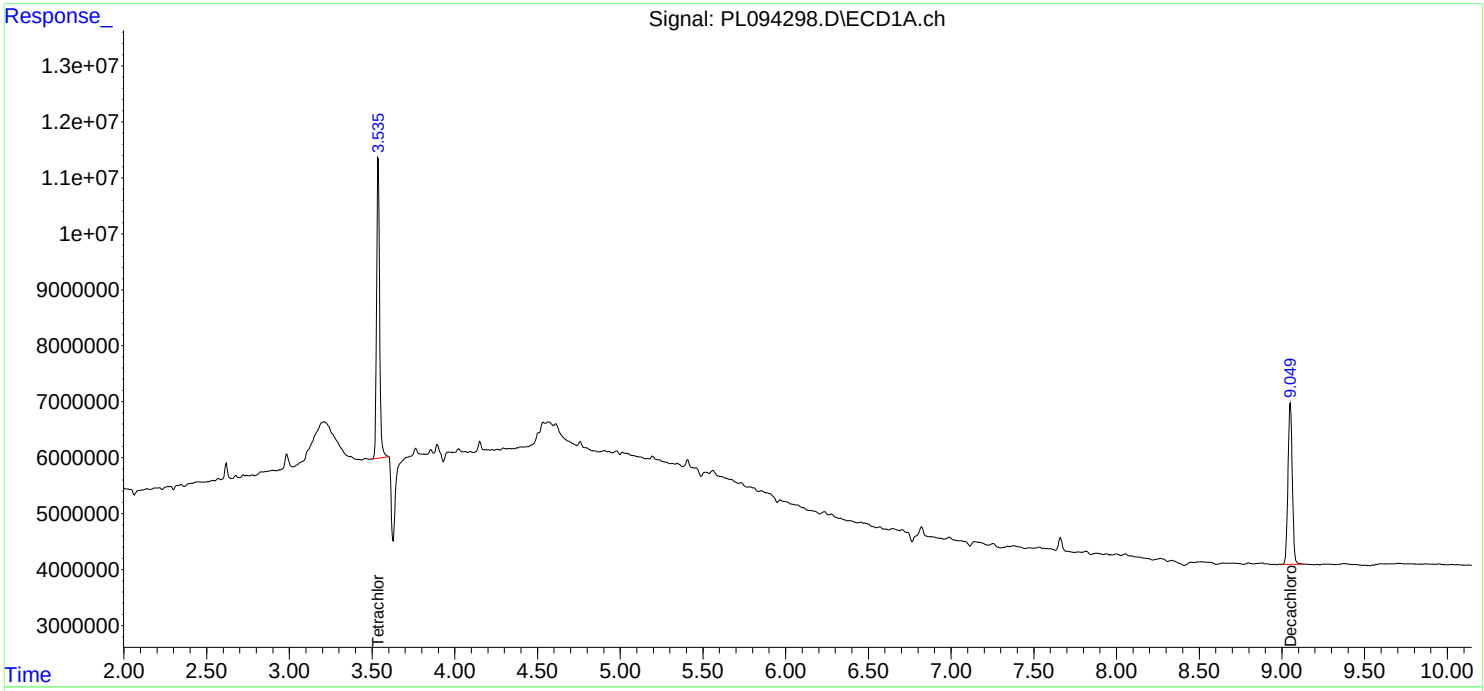
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094298.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 11:24
Operator : AR\AJ
Sample : Q1383-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

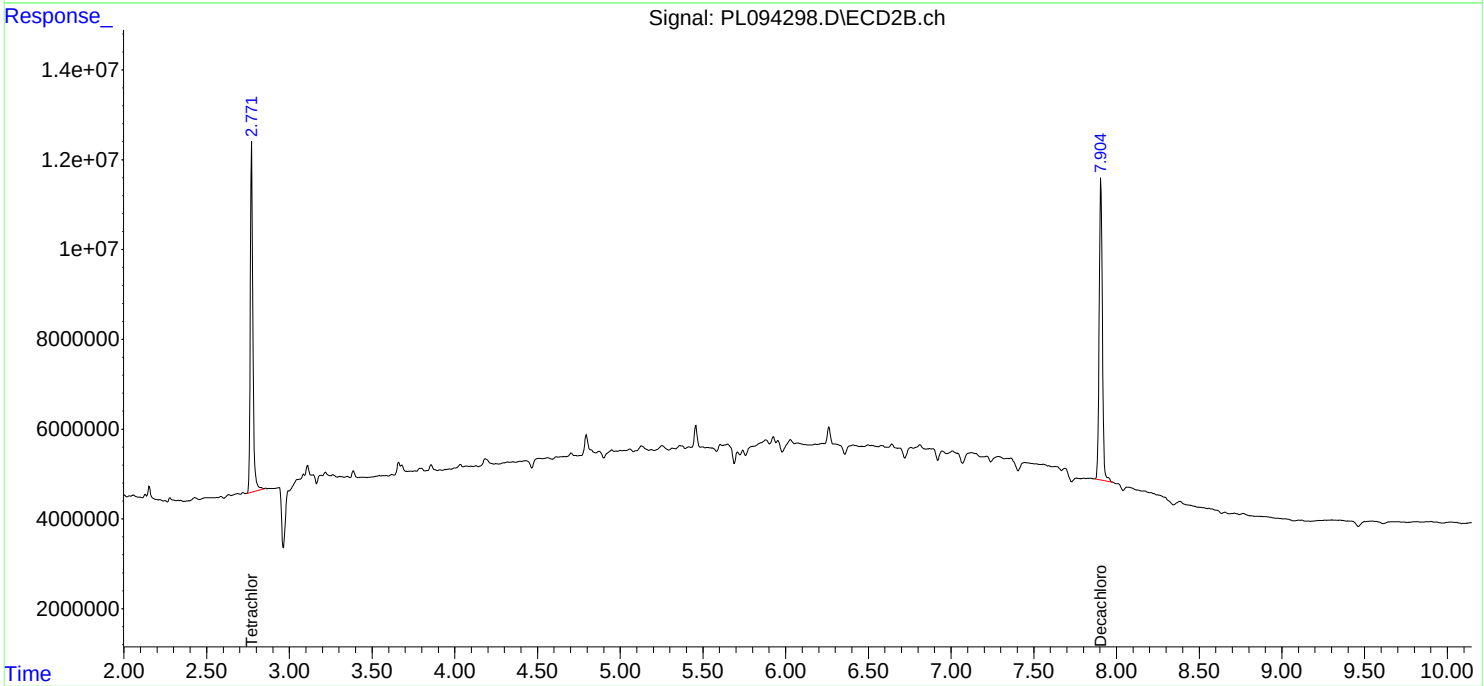
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-16-021725

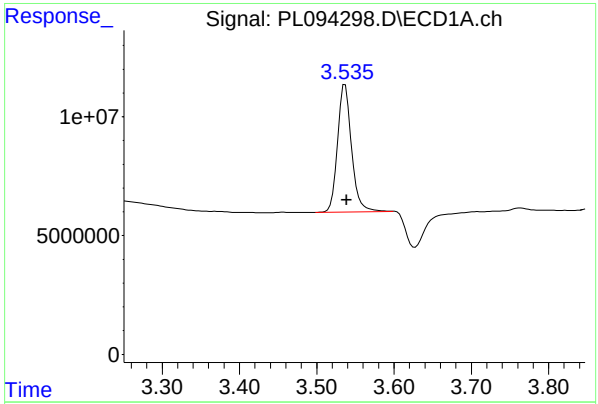
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:35:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







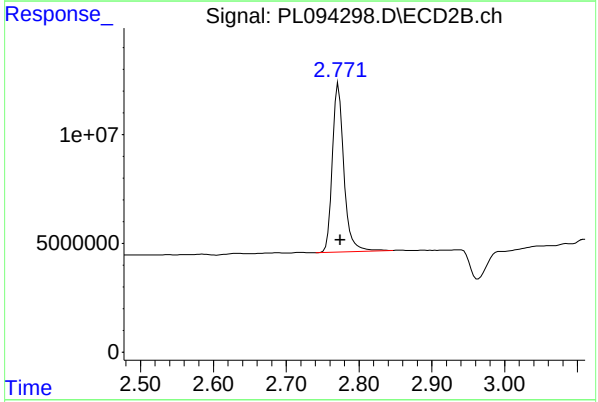
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.004 min
Response: 67539198
Conc: 25.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-16-021725

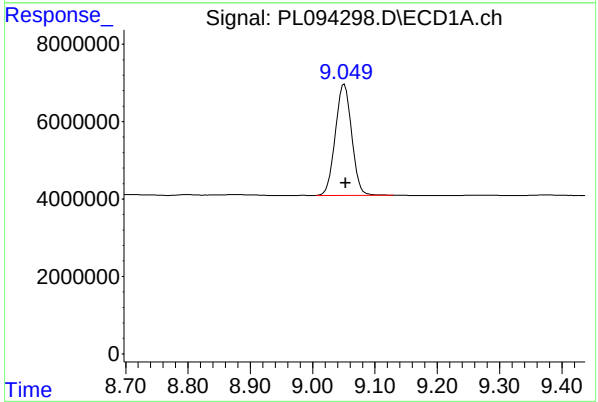
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



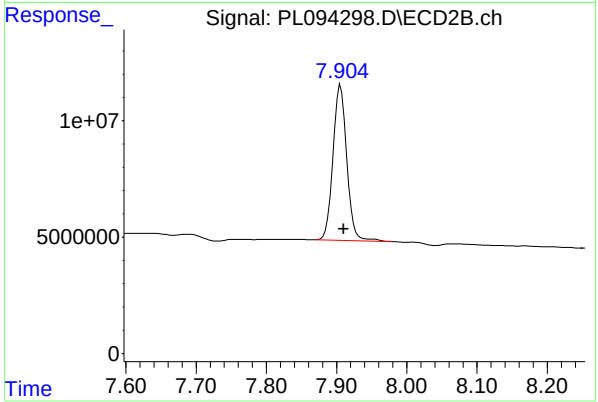
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 85217714
Conc: 26.11 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.002 min
Response: 52400715
Conc: 25.05 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: -0.004 min
Response: 90638245
Conc: 25.87 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-17-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-13	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.4 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094299.D	1	02/19/25 09:40	02/20/25 11:38	PB166775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00091	U	0.00020	0.00091	0.0019	mg/Kg
319-85-7	beta-BHC	0.00091	U	0.00054	0.00091	0.0019	mg/Kg
319-86-8	delta-BHC	0.00091	U	0.00051	0.00091	0.0019	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00091	U	0.00021	0.00091	0.0019	mg/Kg
76-44-8	Heptachlor	0.00091	U	0.00019	0.00091	0.0019	mg/Kg
309-00-2	Aldrin	0.00091	U	0.00015	0.00091	0.0019	mg/Kg
1024-57-3	Heptachlor epoxide	0.00091	U	0.00025	0.00091	0.0019	mg/Kg
959-98-8	Endosulfan I	0.00091	U	0.00019	0.00091	0.0019	mg/Kg
60-57-1	Dieldrin	0.00091	U	0.00016	0.00091	0.0019	mg/Kg
72-55-9	4,4-DDE	0.00091	U	0.00014	0.00091	0.0019	mg/Kg
72-20-8	Endrin	0.00091	U	0.00017	0.00091	0.0019	mg/Kg
33213-65-9	Endosulfan II	0.00091	U	0.00033	0.00091	0.0019	mg/Kg
72-54-8	4,4-DDD	0.00091	U	0.00021	0.00091	0.0019	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00091	U	0.00014	0.00091	0.0019	mg/Kg
50-29-3	4,4-DDT	0.00091	U	0.00019	0.00091	0.0019	mg/Kg
72-43-5	Methoxychlor	0.00091	U	0.00042	0.00091	0.0019	mg/Kg
53494-70-5	Endrin ketone	0.00091	U	0.00024	0.00091	0.0019	mg/Kg
7421-93-4	Endrin aldehyde	0.00091	U	0.00043	0.00091	0.0019	mg/Kg
5103-71-9	alpha-Chlordane	0.00091	U	0.00019	0.00091	0.0019	mg/Kg
5103-74-2	gamma-Chlordane	0.00091	U	0.00021	0.00091	0.0019	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0057	0.019	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.0		55 - 130		115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.2		42 - 129		126%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-17-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-13	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.4 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094299.D	1	02/19/25 09:40	02/20/25 11:38	PB166775

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

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094299.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 11:38
Operator : AR\AJ
Sample : Q1383-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-17-021725

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:36:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.772	65501845	82117658	24.325m	25.157
28)	SA Decachlor...	9.051	7.904	47324144	80538172	22.622	22.984m
	Target Compounds						

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

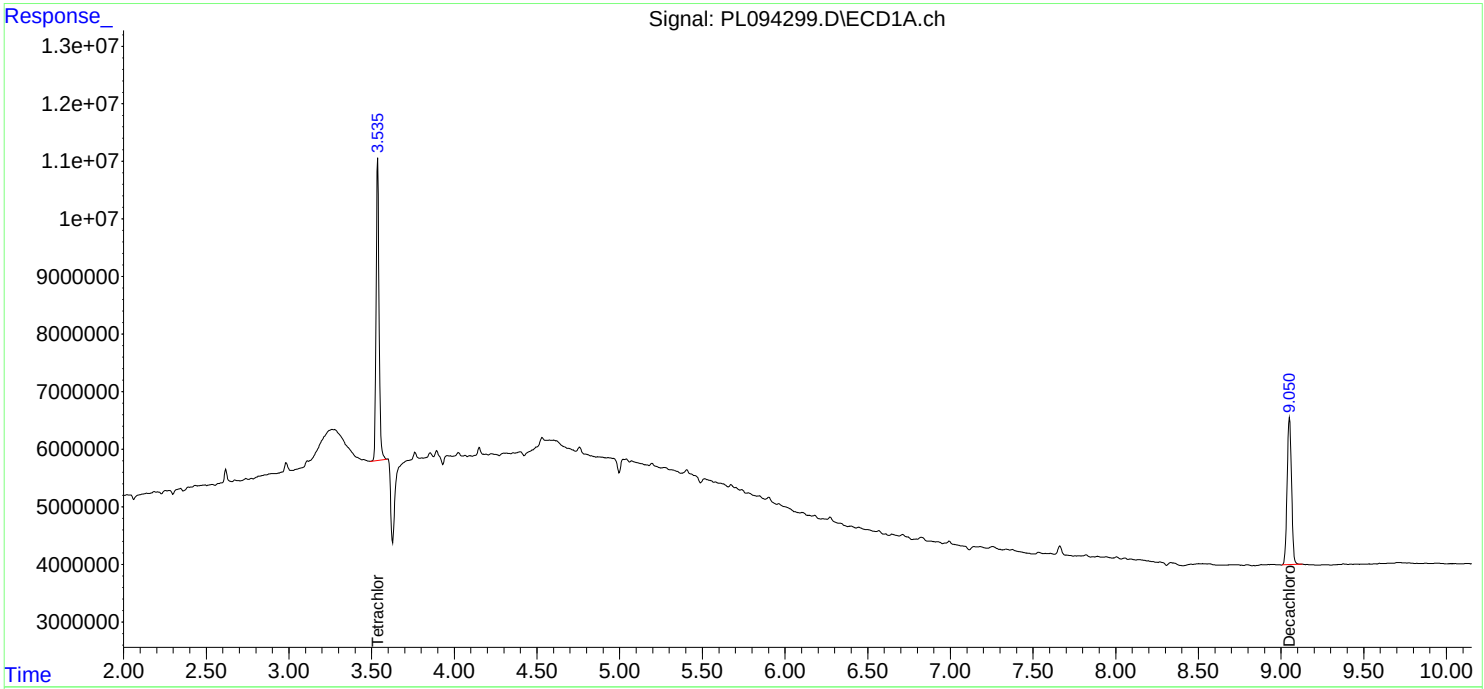
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094299.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 11:38
Operator : AR\AJ
Sample : Q1383-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

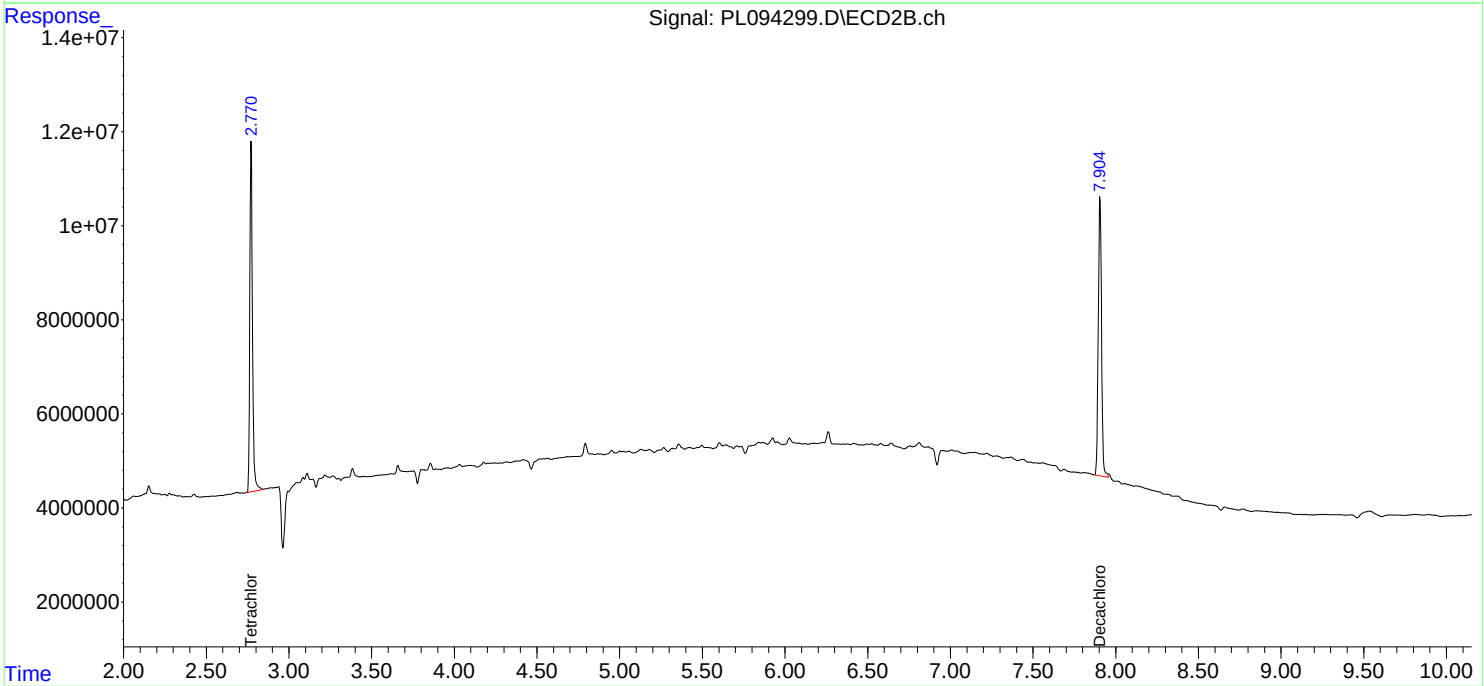
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-17-021725

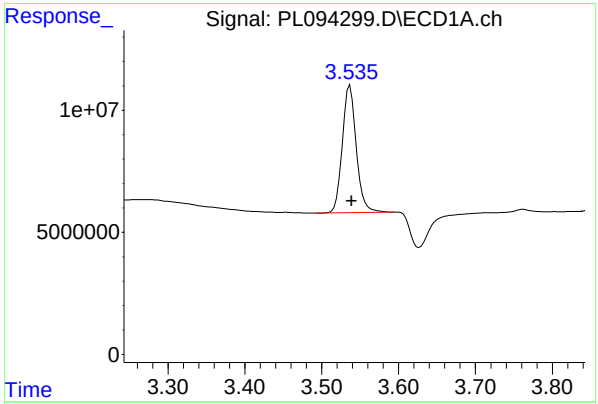
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:36:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







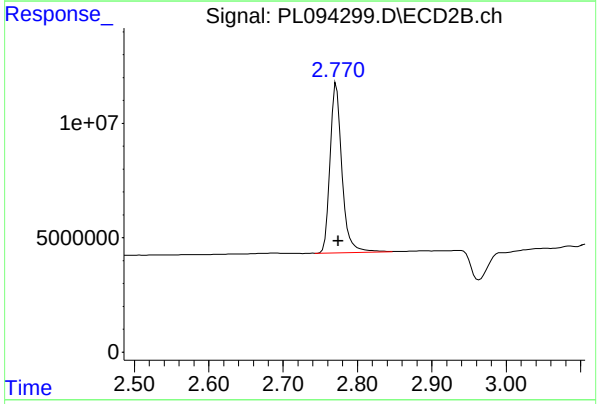
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.004 mi
Response: 65501845
Conc: 24.33 ng/m

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-17-021725

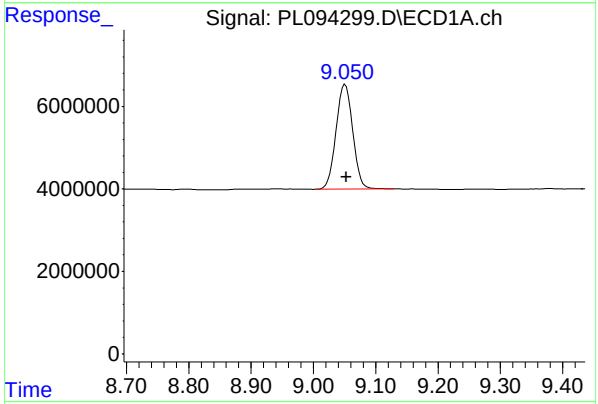
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



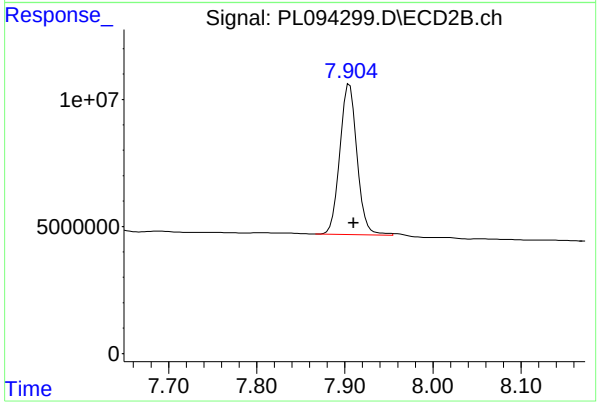
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 82117658
Conc: 25.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.002 min
Response: 47324144
Conc: 22.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.006 min
Response: 80538172
Conc: 22.98 ng/ml m

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-18-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-15	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.9 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
PL094300.D	1	02/19/25 09:40	02/20/25 11:52	PB166775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00020	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00033	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0057	0.019	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	18.8		55 - 130		94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.2		42 - 129		116%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-18-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-15	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.9 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
PL094300.D	1	02/19/25 09:40	02/20/25 11:52	PB166775

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

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094300.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 11:52
Operator : AR\AJ
Sample : Q1383-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-18-021725

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:36:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.771	58767375	75865954	21.824m	23.242
28)	SA Decachlor...	9.050	7.906	38643268	65788359	18.473	18.775
	Target Compounds						

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

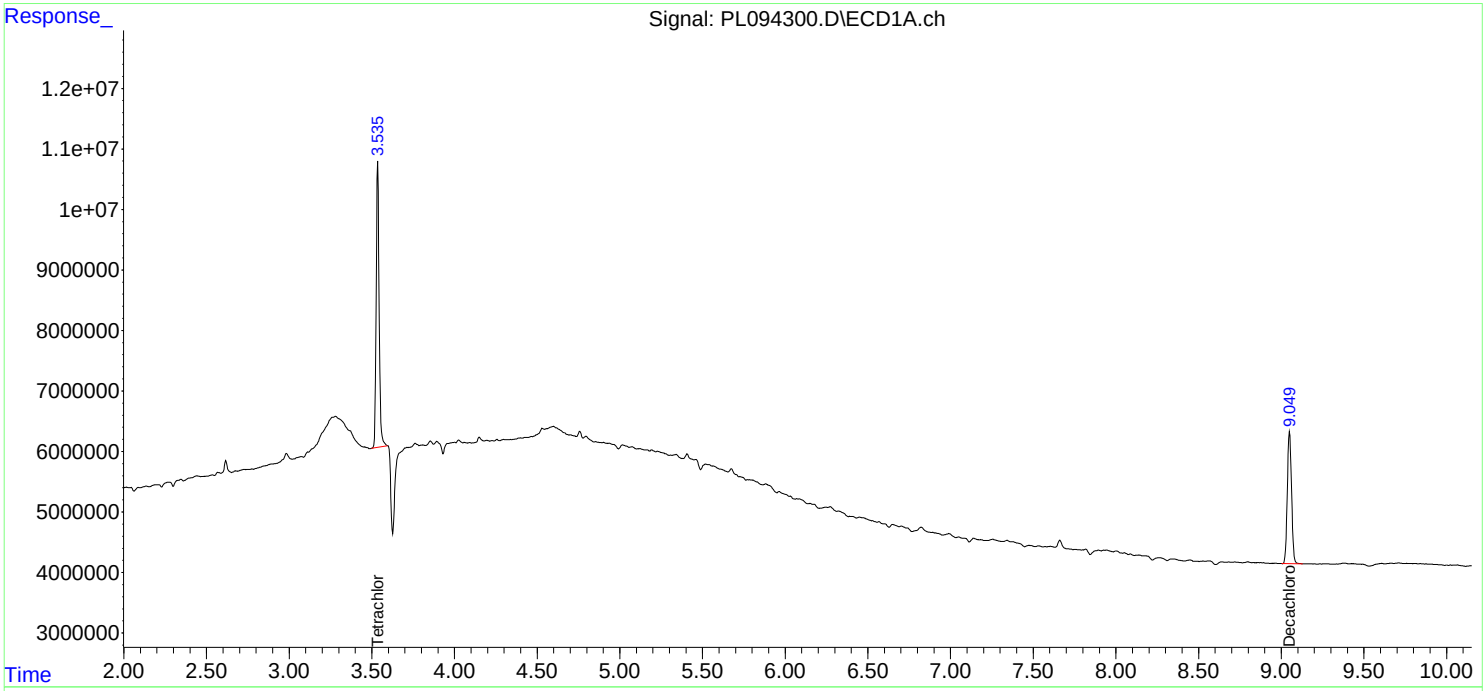
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094300.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 11:52
Operator : AR\AJ
Sample : Q1383-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

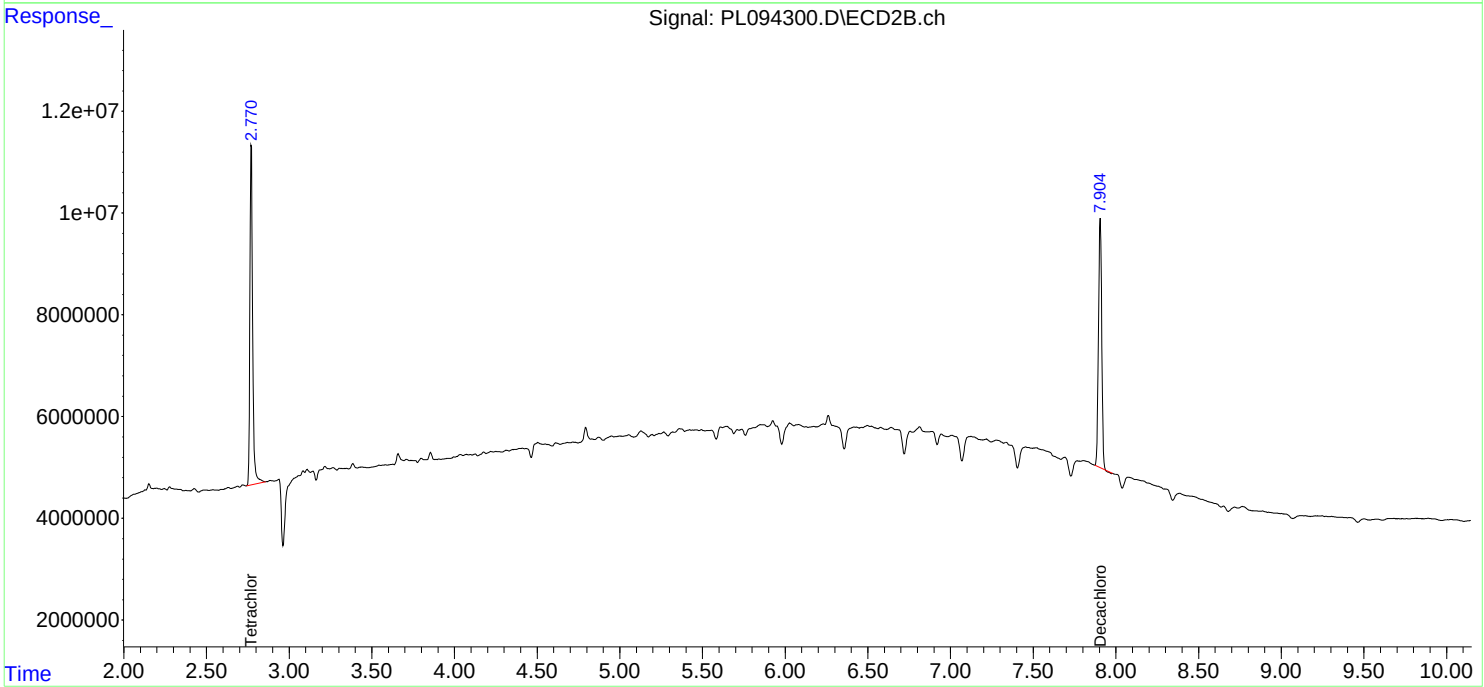
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-18-021725

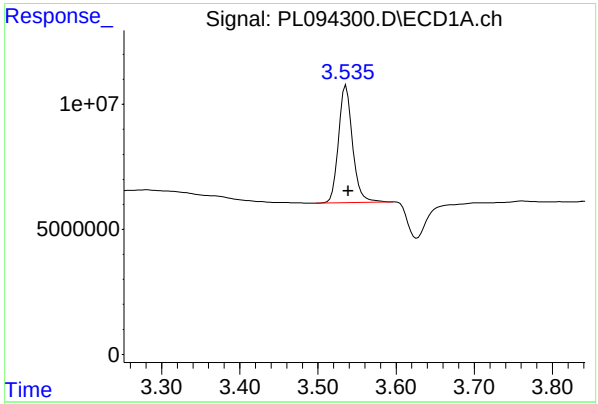
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:36:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







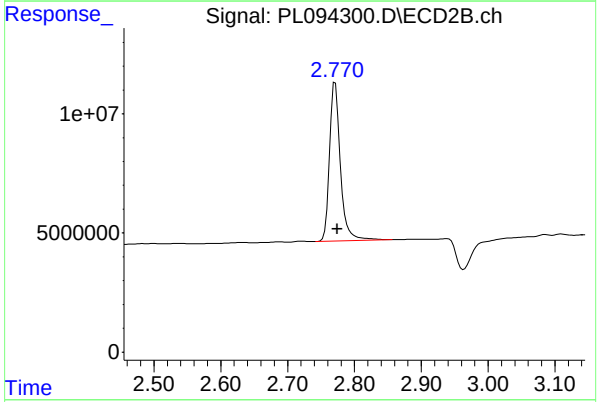
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.004 min
Response: 58767375
Conc: 21.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-18-021725

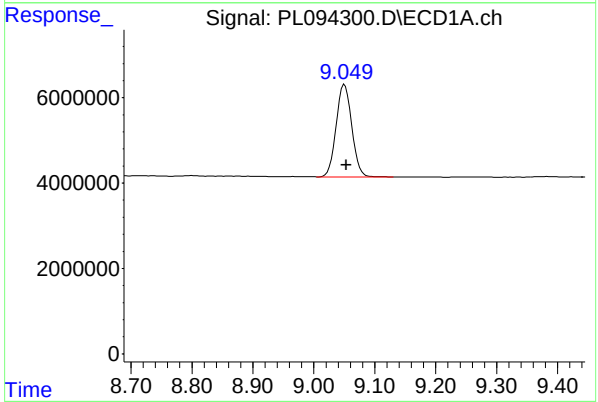
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



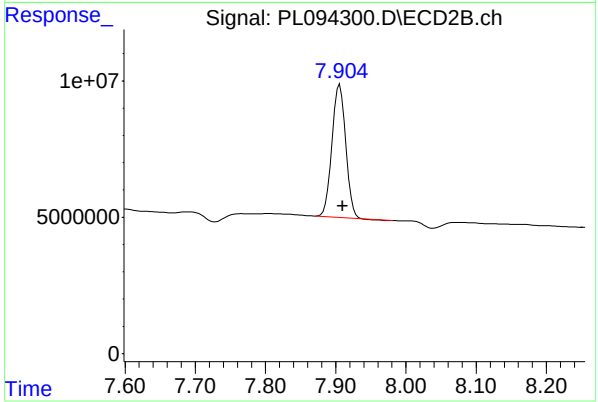
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 75865954
Conc: 23.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 38643268
Conc: 18.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: -0.004 min
Response: 65788359
Conc: 18.77 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-19-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-17	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.1 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094301.D	1	02/19/25 09:40	02/20/25 12:06	PB166775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00019	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00032	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0057	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.3		55 - 130		111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.8		42 - 129		124%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-19-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-17	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.1 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094301.D	1	02/19/25 09:40	02/20/25 12:06	PB166775

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

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094301.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 12:06
Operator : AR\AJ
Sample : Q1383-17
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-19-021725

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:36:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.536	2.771	64277934	81070341	23.871m	24.837
28)	SA Decachlor...	9.051	7.906	46450448	77960964	22.205	22.249
	Target Compounds						

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

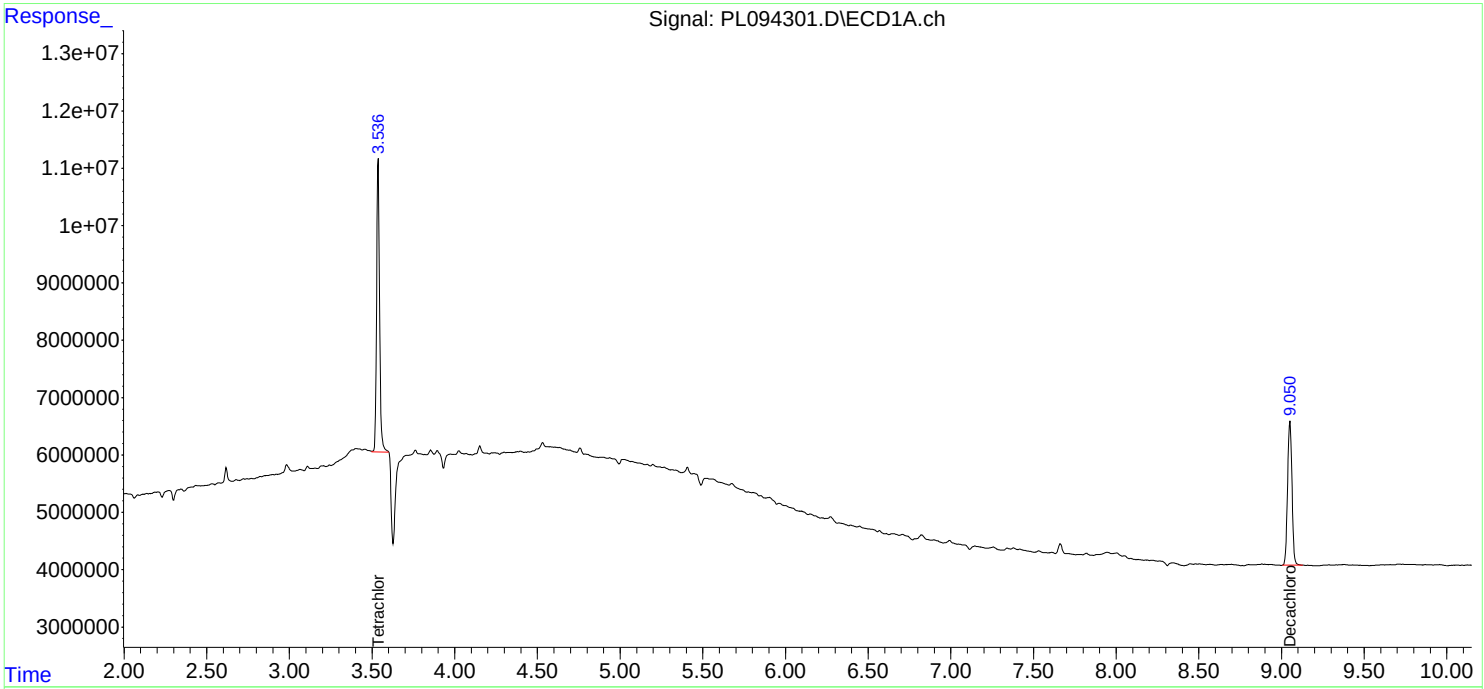
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094301.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 12:06
Operator : AR\AJ
Sample : Q1383-17
Misc :
ALS Vial : 14 Sample Multiplier: 1

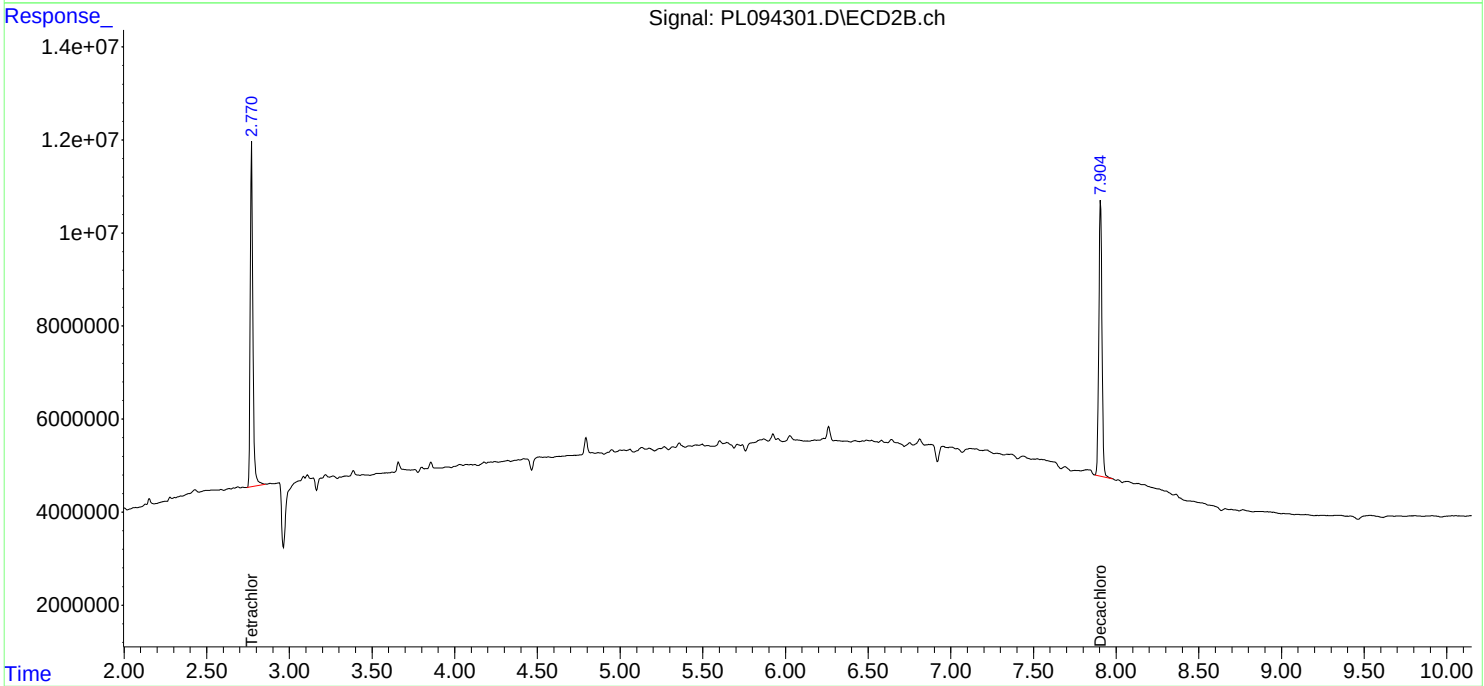
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-19-021725

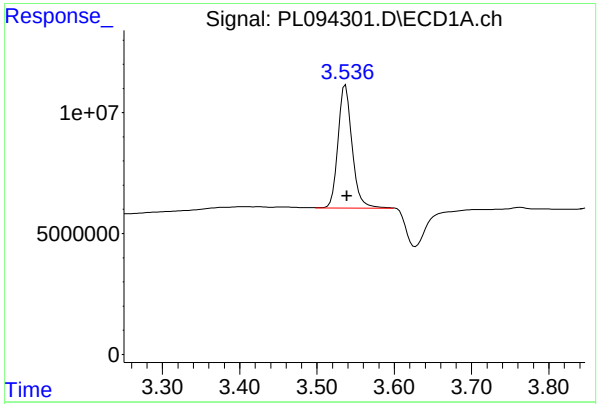
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:36:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







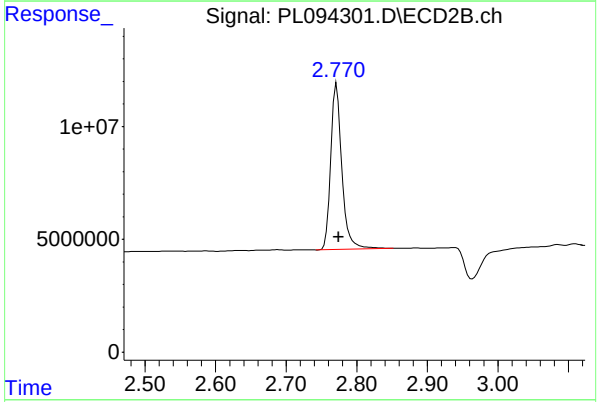
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 64277934
Conc: 23.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-19-021725

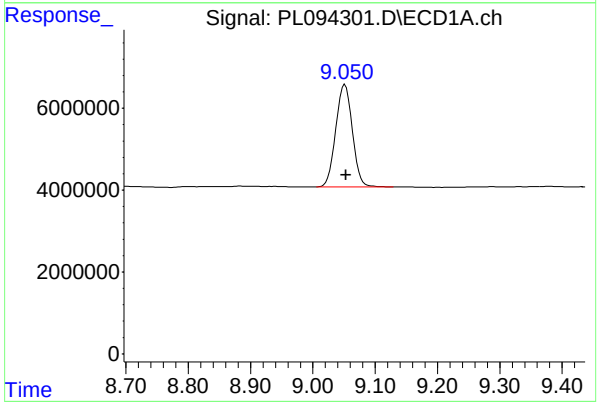
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



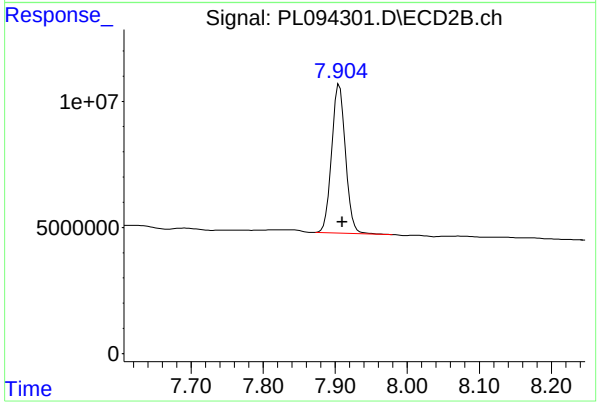
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 81070341
Conc: 24.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.001 min
Response: 46450448
Conc: 22.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: -0.004 min
Response: 77960964
Conc: 22.25 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-20-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-19	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.2 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094302.D	1	02/19/25 09:40	02/20/25 12:19	PB166775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00019	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00032	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0056	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.2		55 - 130		111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.3		42 - 129		117%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-20-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-19	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.2 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094302.D	1	02/19/25 09:40	02/20/25 12:19	PB166775

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

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094302.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 12:19
Operator : AR\AJ
Sample : Q1383-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-20-021725

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:37:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.549	2.772	61180804	76142234	22.720m	23.327
28)	SA Decachlor...	9.064	7.905	45814269	77705123	21.901	22.176
	Target Compounds						

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

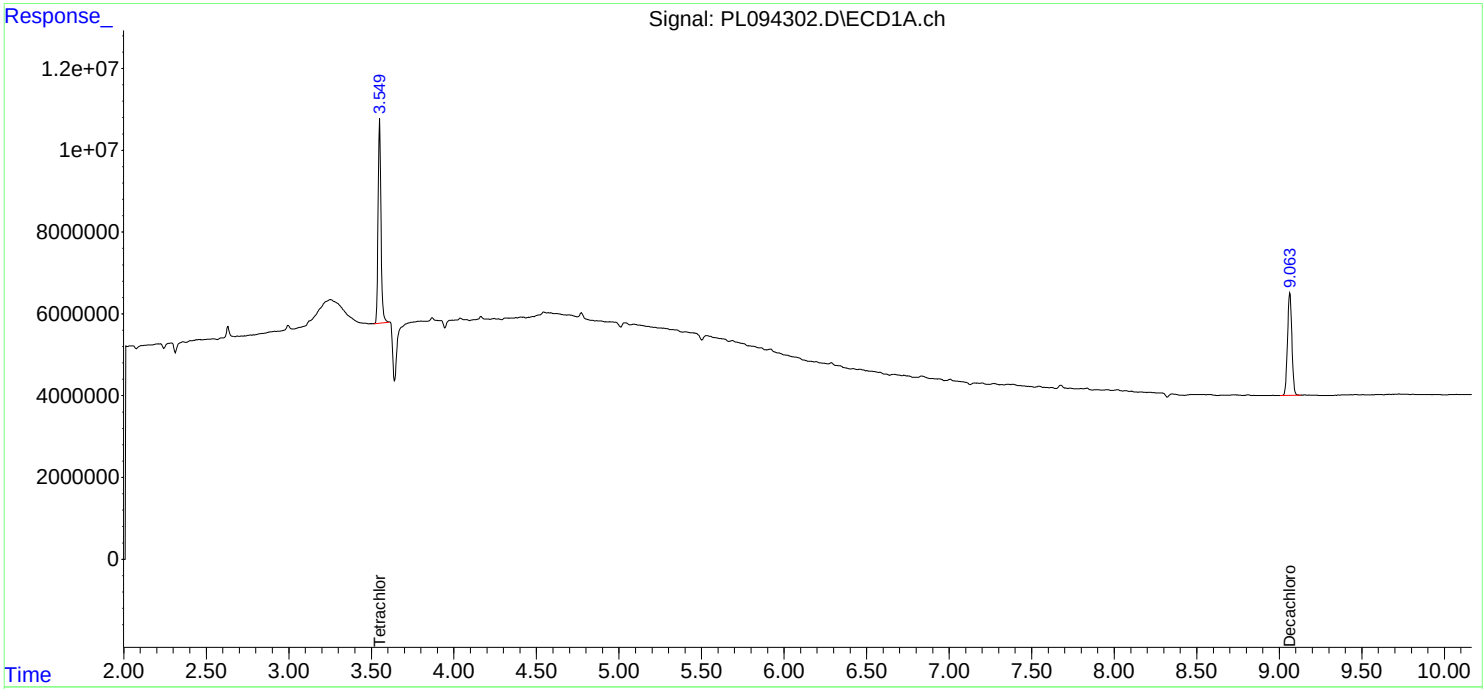
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094302.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 12:19
Operator : AR\AJ
Sample : Q1383-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

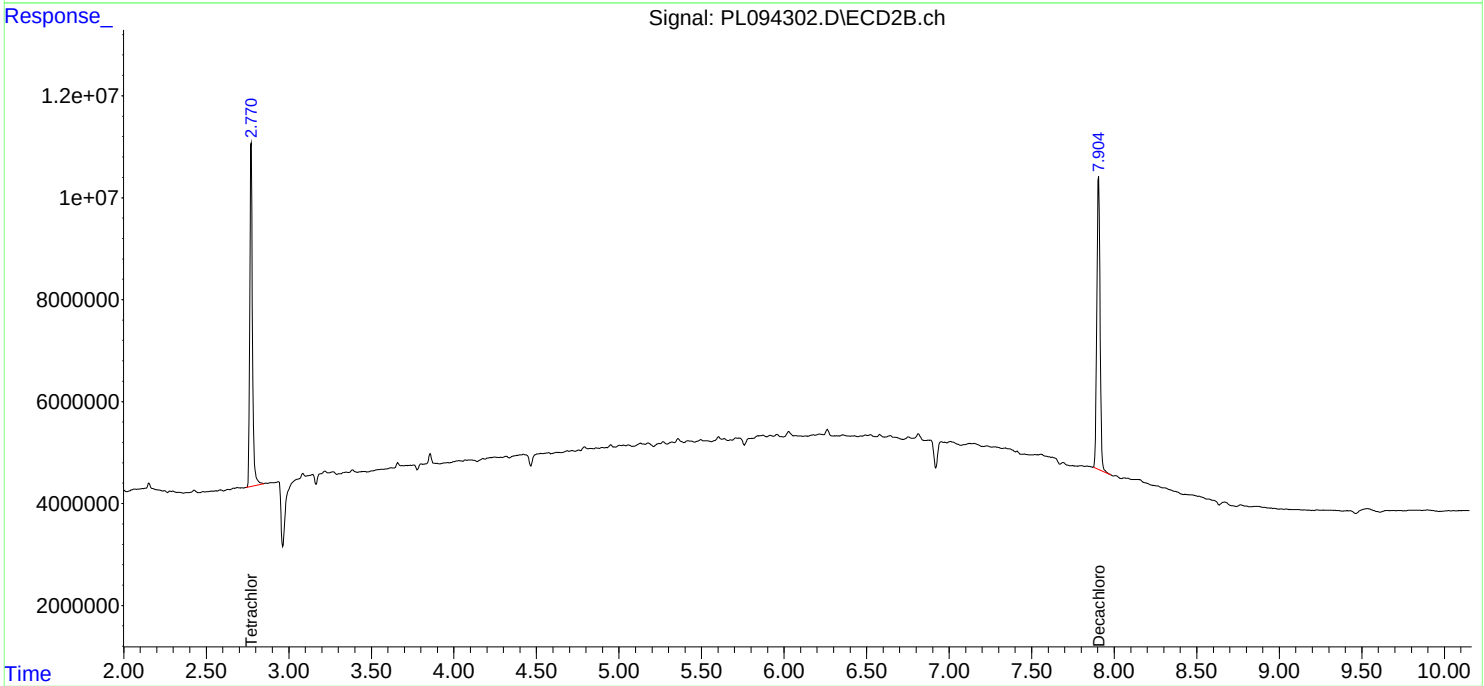
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-20-021725

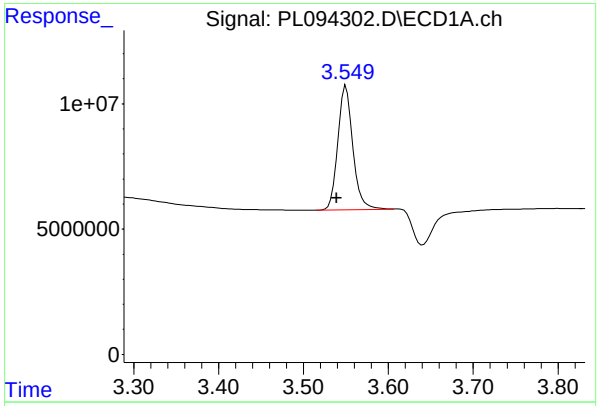
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:37:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







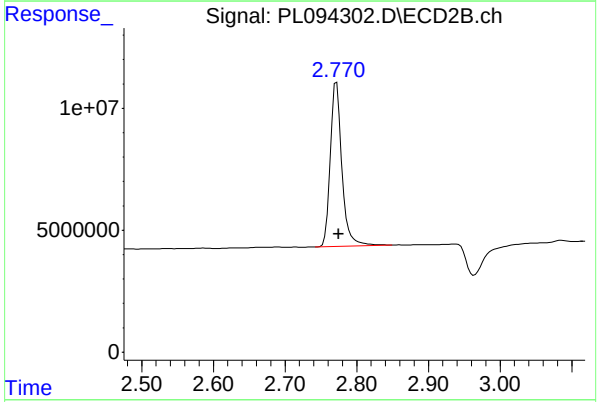
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.010 min
Response: 61180804
Conc: 22.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-20-021725

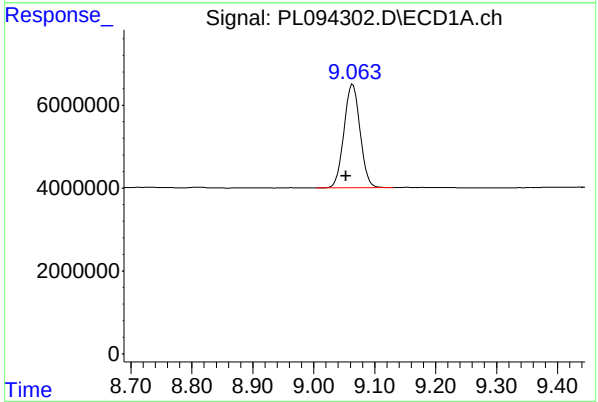
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



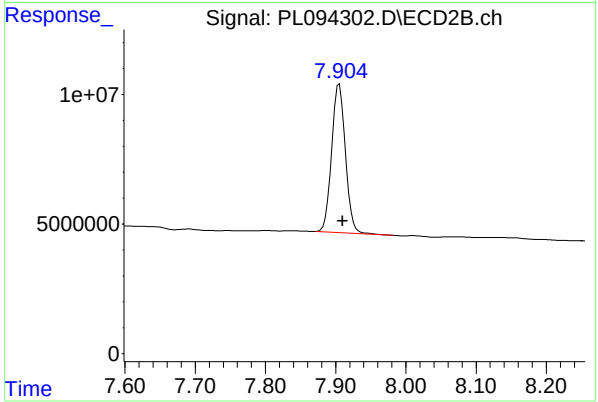
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 76142234
Conc: 23.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: 0.011 min
Response: 45814269
Conc: 21.90 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 77705123
Conc: 22.18 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-CF-15-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-21	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.5 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094303.D	1	02/19/25 09:40	02/20/25 12:33	PB166775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00090	U	0.00019	0.00090	0.0018	mg/Kg
319-85-7	beta-BHC	0.00090	U	0.00053	0.00090	0.0018	mg/Kg
319-86-8	delta-BHC	0.00090	U	0.00051	0.00090	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
76-44-8	Heptachlor	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
309-00-2	Aldrin	0.00090	U	0.00015	0.00090	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00090	U	0.00025	0.00090	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
60-57-1	Dieldrin	0.00090	U	0.00016	0.00090	0.0018	mg/Kg
72-55-9	4,4-DDE	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
72-20-8	Endrin	0.00090	U	0.00017	0.00090	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00090	U	0.00032	0.00090	0.0018	mg/Kg
72-54-8	4,4-DDD	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00090	U	0.00014	0.00090	0.0018	mg/Kg
50-29-3	4,4-DDT	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00090	U	0.00041	0.00090	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00090	U	0.00024	0.00090	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00090	U	0.00042	0.00090	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.00090	U	0.00018	0.00090	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	U	0.00021	0.00090	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0056	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.0		55 - 130		120%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.9		42 - 129		124%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-CF-15-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-21	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.5 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094303.D	1	02/19/25 09:40	02/20/25 12:33	PB166775

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

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094303.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 12:33
Operator : AR\AJ
Sample : Q1383-21
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-CF-15-021725

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:37:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.772	64495352	81231361	23.951m	24.886
28)	SA Decachlor...	9.050	7.905	49050903	83986659	23.448	23.968
	Target Compounds						

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

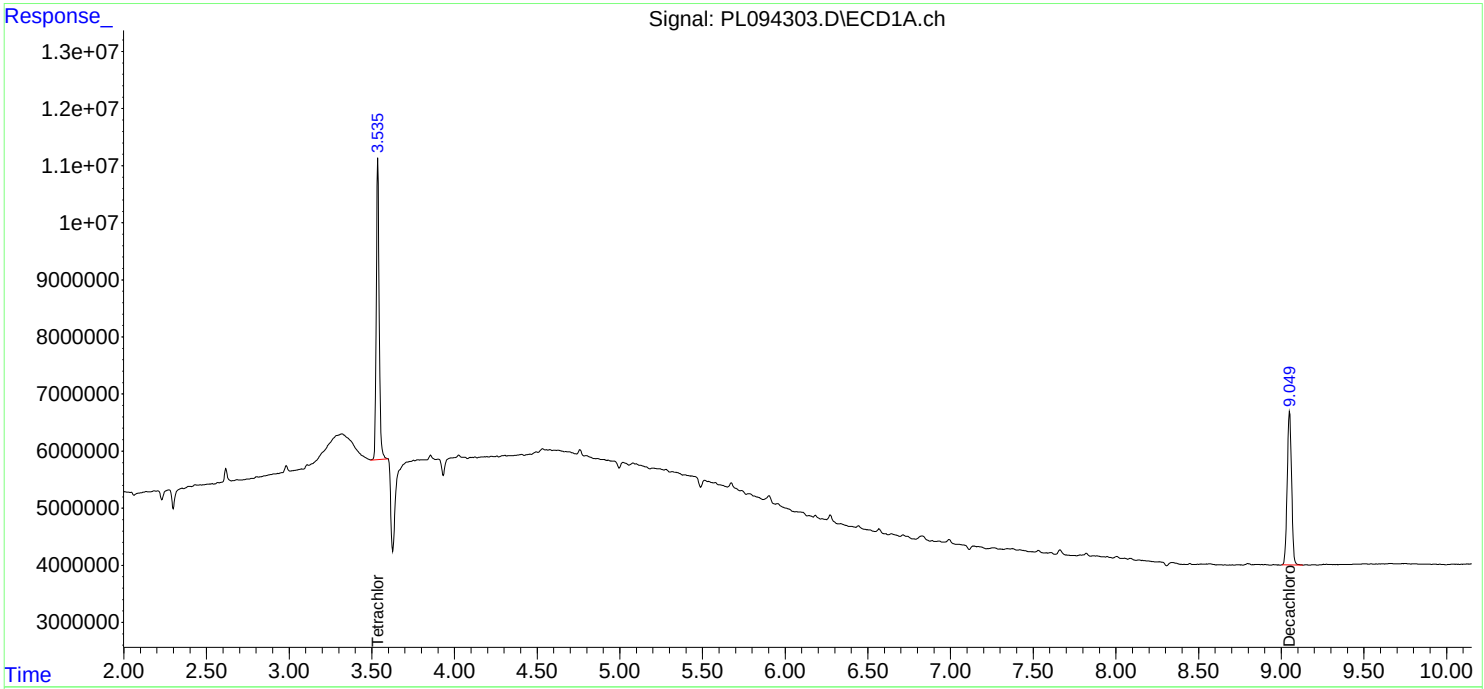
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094303.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 12:33
Operator : AR\AJ
Sample : Q1383-21
Misc :
ALS Vial : 16 Sample Multiplier: 1

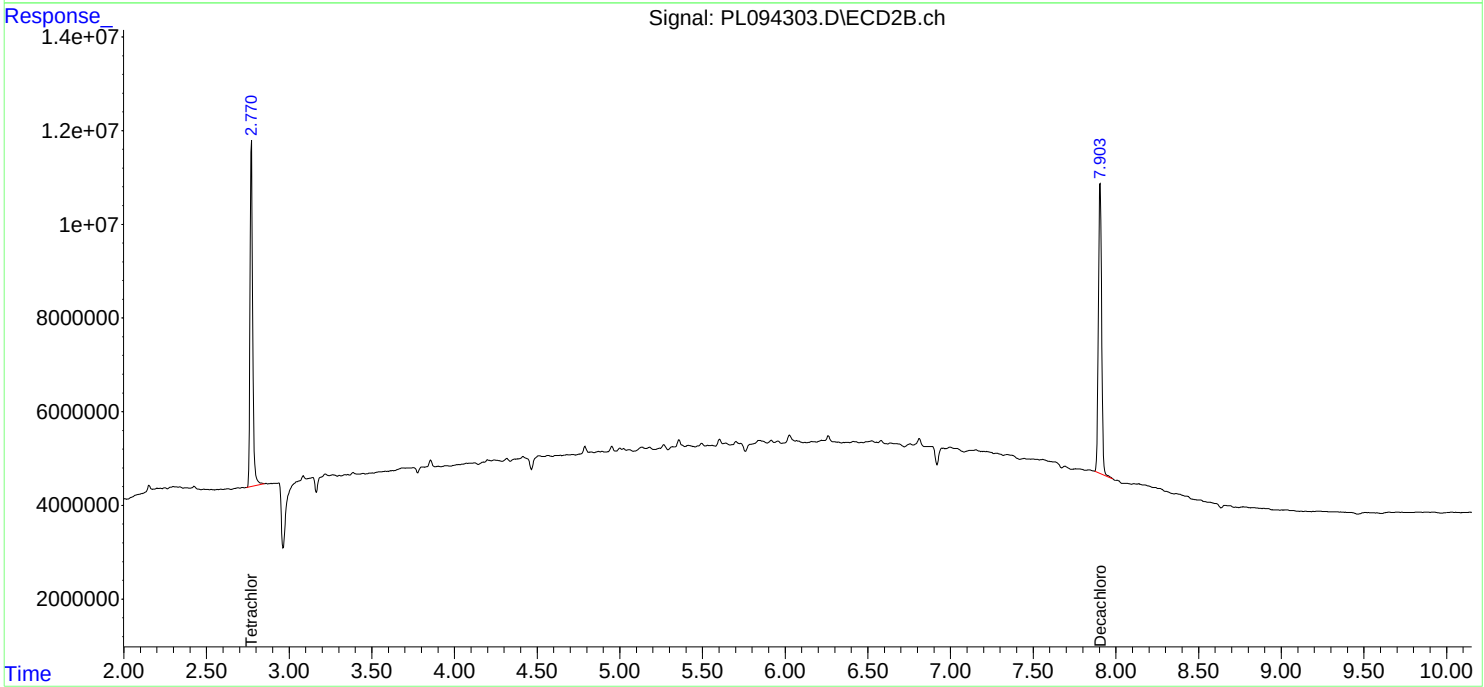
Instrument :
ECD_L
ClientSampleId :
OU4-CF-15-021725

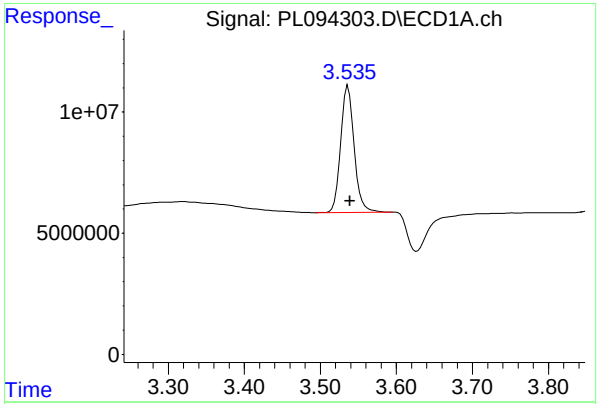
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:37:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







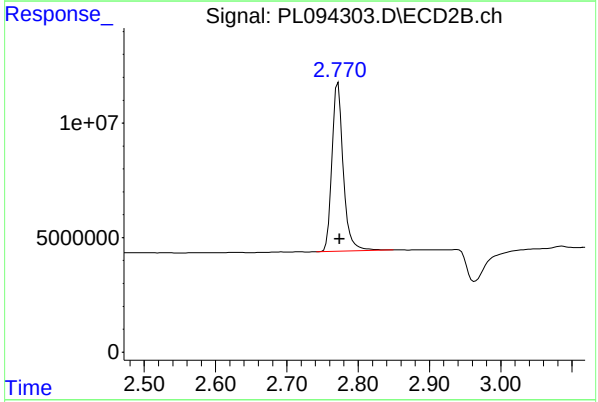
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.004 min
Response: 64495352
Conc: 23.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-CF-15-021725

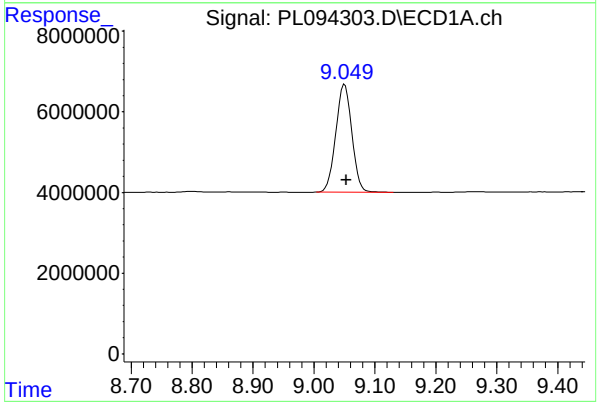
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



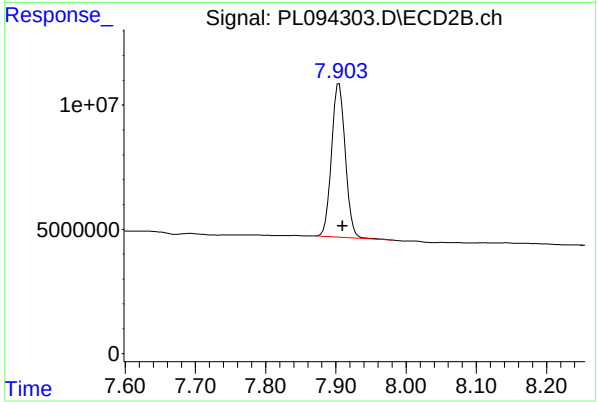
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 81231361
Conc: 24.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.002 min
Response: 49050903
Conc: 23.45 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 83986659
Conc: 23.97 ng/ml

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Instrument ID: ECD_L **Calibration Date(s):** 01/21/2025 01/21/2025

Calibration Times: 10:57 11:51

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

LAB FILE ID: RT 100 = PL093728.D RT 075 = PL093729.D

RT 050 = PL093730.D RT 025 = PL093731.D RT 005 = PL093732.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	4.00	4.00	4.00	4.00	3.99	3.99	3.89	4.09
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Decachlorobiphenyl	9.05	9.05	9.05	9.05	9.05	9.05	8.95	9.15
delta-BHC	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Dieldrin	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.92	6.92	6.92	6.92	6.92	6.92	6.82	7.02
Endrin ketone	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.92	4.92	4.91	4.91	4.91	4.91	4.81	5.01
Heptachlor epoxide	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Methoxychlor	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Instrument ID: ECD_L **Calibration Date(s):** 01/21/2025 01/21/2025

Calibration Times: 10:57 11:51

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

LAB FILE ID: RT 100 = PL093728.D RT 075 = PL093729.D

RT 050 = PL093730.D RT 025 = PL093731.D RT 005 = PL093732.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.79	5.78	5.78	5.78	5.78	5.78	5.68	5.88
4,4'-DDE	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
4,4'-DDT	6.04	6.03	6.03	6.03	6.03	6.03	5.93	6.13
Aldrin	4.23	4.23	4.23	4.22	4.22	4.22	4.12	4.32
alpha-BHC	3.28	3.28	3.28	3.28	3.28	3.28	3.18	3.38
alpha-Chlordane	5.04	5.04	5.04	5.04	5.04	5.04	4.94	5.14
beta-BHC	3.91	3.91	3.91	3.91	3.91	3.91	3.81	4.01
Decachlorobiphenyl	7.91	7.91	7.91	7.91	7.91	7.91	7.81	8.01
delta-BHC	4.14	4.14	4.14	4.14	4.13	4.14	4.04	4.24
Dieldrin	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Endosulfan I	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
Endosulfan II	5.93	5.93	5.93	5.93	5.93	5.93	5.83	6.03
Endosulfan sulfate	6.33	6.33	6.33	6.33	6.33	6.33	6.23	6.43
Endrin	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Endrin aldehyde	6.11	6.11	6.11	6.11	6.11	6.11	6.01	6.21
Endrin ketone	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
gamma-BHC (Lindane)	3.61	3.61	3.61	3.61	3.61	3.61	3.51	3.71
gamma-Chlordane	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Heptachlor	3.95	3.95	3.95	3.95	3.94	3.94	3.84	4.04
Heptachlor epoxide	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Methoxychlor	6.61	6.61	6.61	6.61	6.61	6.61	6.51	6.71
Tetrachloro-m-xylene	2.78	2.77	2.77	2.77	2.77	2.77	2.67	2.87

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Instrument ID: ECD_L **Calibration Date(s):** 01/21/2025 01/21/2025

Calibration Times: 10:57 11:51

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

LAB FILE ID: **CF 100 =** PL093728.D **CF 075 =** PL093729.D

CF 050 = PL093730.D **CF 025 =** PL093731.D **CF 005 =** PL093732.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1660930000	1679650000	1932670000	1802720000	2426830000	1900560000	17
4,4'-DDE	2179870000	2169930000	2489080000	2321590000	3012520000	2434600000	14
4,4'-DDT	1755570000	1766710000	2016720000	1907120000	2414170000	1972060000	14
Aldrin	2924220000	2896750000	3292630000	3099660000	4146570000	3271970000	16
alpha-BHC	3537700000	3490280000	3918110000	3562830000	4660310000	3833850000	13
alpha-Chlordane	2458070000	2458490000	2788200000	2666580000	3570690000	2788400000	16
beta-BHC	1393460000	1394440000	1618290000	1508890000	2121530000	1607320000	19
Decachlorobiphenyl	1768480000	1816480000	2098320000	2018470000	2757820000	2091910000	19
delta-BHC	3233860000	3194550000	3605880000	3303370000	4188780000	3505290000	12
Dieldrin	2456580000	2440810000	2788190000	2639340000	3554340000	2775850000	17
Endosulfan I	2304400000	2298550000	2637060000	2528610000	3445650000	2642860000	18
Endosulfan II	2084130000	2100600000	2413950000	2287820000	3160260000	2409350000	18
Endosulfan sulfate	1923100000	1945070000	2248580000	2190510000	3011450000	2263740000	20
Endrin	2079430000	2060990000	2363220000	2218560000	3001890000	2344820000	17
Endrin aldehyde	1673120000	1696040000	1958970000	1896570000	2495580000	1944060000	17
Endrin ketone	2196850000	2205550000	2539700000	2413910000	3257130000	2522630000	17
gamma-BHC (Lindane)	3375960000	3339350000	3767250000	3460830000	4470850000	3682850000	13
gamma-Chlordane	2455830000	2471830000	2815630000	2678390000	3515170000	2787370000	16
Heptachlor	2922500000	2901690000	3325290000	3144100000	4093120000	3277340000	15
Heptachlor epoxide	2568680000	2575960000	2953630000	2835830000	3935020000	2973820000	19
Methoxychlor	907284000	922109000	1080370000	1020090000	1287130000	1043400000	15
Tetrachloro-m-xylene	2397870000	2402980000	2740040000	2595500000	3327420000	2692760000	14

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Instrument ID: ECD_L **Calibration Date(s):** 01/21/2025 01/21/2025

Calibration Times: 10:57 11:51

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

LAB FILE ID: **CF 100 =** PL093728.D **CF 075 =** PL093729.D

CF 050 = PL093730.D **CF 025 =** PL093731.D **CF 005 =** PL093732.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3134000000	3054730000	3379160000	2910470000	3304320000	3156540000	6
4,4'-DDE	3891920000	3807640000	4253650000	3749010000	4345130000	4009470000	7
4,4'-DDT	3270010000	3177800000	3542860000	3046890000	3232670000	3254050000	6
Aldrin	4482990000	4370810000	4856520000	4222470000	4876190000	4561800000	6
alpha-BHC	4914190000	4768640000	5271080000	4480730000	5010260000	4888980000	6
alpha-Chlordane	4056970000	3962110000	4424110000	3914810000	4574820000	4186560000	7
beta-BHC	1863440000	1842720000	2072180000	1889740000	2319100000	1997440000	10
Decachlorobiphenyl	3226690000	3193800000	3627020000	3320620000	4152210000	3504070000	11
delta-BHC	4741230000	4607910000	5098810000	4368820000	4939430000	4751240000	6
Dieldrin	4189300000	4076770000	4553570000	3958830000	4699760000	4295650000	7
Endosulfan I	3734100000	3661580000	4099030000	3635320000	4254550000	3876920000	7
Endosulfan II	3553260000	3487640000	3912960000	3484510000	4080760000	3703830000	7
Endosulfan sulfate	3408630000	3353240000	3757030000	3348270000	3963240000	3566080000	8
Endrin	3607760000	3481170000	3870730000	3406140000	4097610000	3692680000	8
Endrin aldehyde	2861460000	2820180000	3183430000	2892290000	3465840000	3044640000	9
Endrin ketone	3965120000	3881890000	4400080000	3907370000	4821740000	4195240000	10
gamma-BHC (Lindane)	4713370000	4597010000	5084610000	4384810000	4926270000	4741210000	6
gamma-Chlordane	4137240000	4016860000	4483010000	3935490000	4615500000	4237620000	7
Heptachlor	4505180000	4413750000	4924840000	4345980000	5084220000	4654790000	7
Heptachlor epoxide	4026840000	3946880000	4424170000	3927960000	4575440000	4180260000	7
Methoxychlor	1651870000	1634200000	1870410000	1643810000	2140390000	1788140000	12
Tetrachloro-m-xylene	3101220000	3058550000	3437230000	3066200000	3657590000	3264160000	8

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.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Instrument ID: ECD_L **Date(s) Analyzed:** 01/21/2025 01/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.24	6.14	6.34	23446000
		2	6.44	6.34	6.54	14767200
		3	7.06	6.96	7.16	75896000
		4	7.15	7.05	7.25	57345100
		5	7.93	7.83	8.03	43067100

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.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Instrument ID: ECD_L **Date(s) Analyzed:** 01/21/2025 01/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.00	4.90	5.10	27057100
		2	5.33	5.23	5.43	23947200
		3	5.68	5.58	5.78	24726400
		4	6.60	6.50	6.70	84987200
		5	7.04	6.94	7.14	80238300

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093728.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:57
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 13:55:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.539	2.775	239.8E6	310.1E6	93.340	94.861
28)	SA Decachlor...	9.052	7.910	176.8E6	322.7E6	91.470	94.159
	Target Compounds						
2)	A alpha-BHC	3.995	3.277	353.8E6	491.4E6	94.898	96.496
3)	MA gamma-BHC...	4.328	3.607	337.6E6	471.3E6	94.522	96.211
4)	MA Heptachlor	4.915	3.946	292.3E6	450.5E6	93.553	95.550
5)	MB Aldrin	5.257	4.225	292.4E6	448.3E6	94.074	96.001
6)	B beta-BHC	4.526	3.907	139.3E6	186.3E6	92.535	94.696
7)	B delta-BHC	4.773	4.136	323.4E6	474.1E6	94.561	96.366
8)	B Heptachlo...	5.683	4.727	256.9E6	402.7E6	93.029	95.298
9)	A Endosulfan I	6.069	5.097	230.4E6	373.4E6	93.268	95.341
10)	B gamma-Chl...	5.940	4.977	245.6E6	413.7E6	93.175	95.989
11)	B alpha-Chl...	6.018	5.041	245.8E6	405.7E6	93.707	95.671
12)	B 4,4'-DDE	6.192	5.230	218.0E6	389.2E6	93.377	95.559
13)	MA Dieldrin	6.344	5.361	245.7E6	418.9E6	93.677	95.834
14)	MA Endrin	6.573	5.636	207.9E6	360.8E6	93.612	96.484
15)	B Endosulfa...	6.793	5.932	208.4E6	355.3E6	92.668	95.182
16)	A 4,4'-DDD	6.710	5.785	166.1E6	313.4E6	92.438	96.236
17)	MA 4,4'-DDT	7.023	6.035	175.6E6	327.0E6	93.077	95.995
18)	B Endrin al...	6.924	6.110	167.3E6	286.1E6	92.130	94.674
19)	B Endosulfa...	7.158	6.333	192.3E6	340.9E6	92.198	95.138
20)	A Methoxychlor	7.499	6.609	90728367	165.2E6	91.292	93.795
21)	B Endrin ke...	7.643	6.838	219.7E6	396.5E6	92.761	94.800
22)	Mirex	8.115	7.018	175.3E6	309.9E6	91.817	94.309

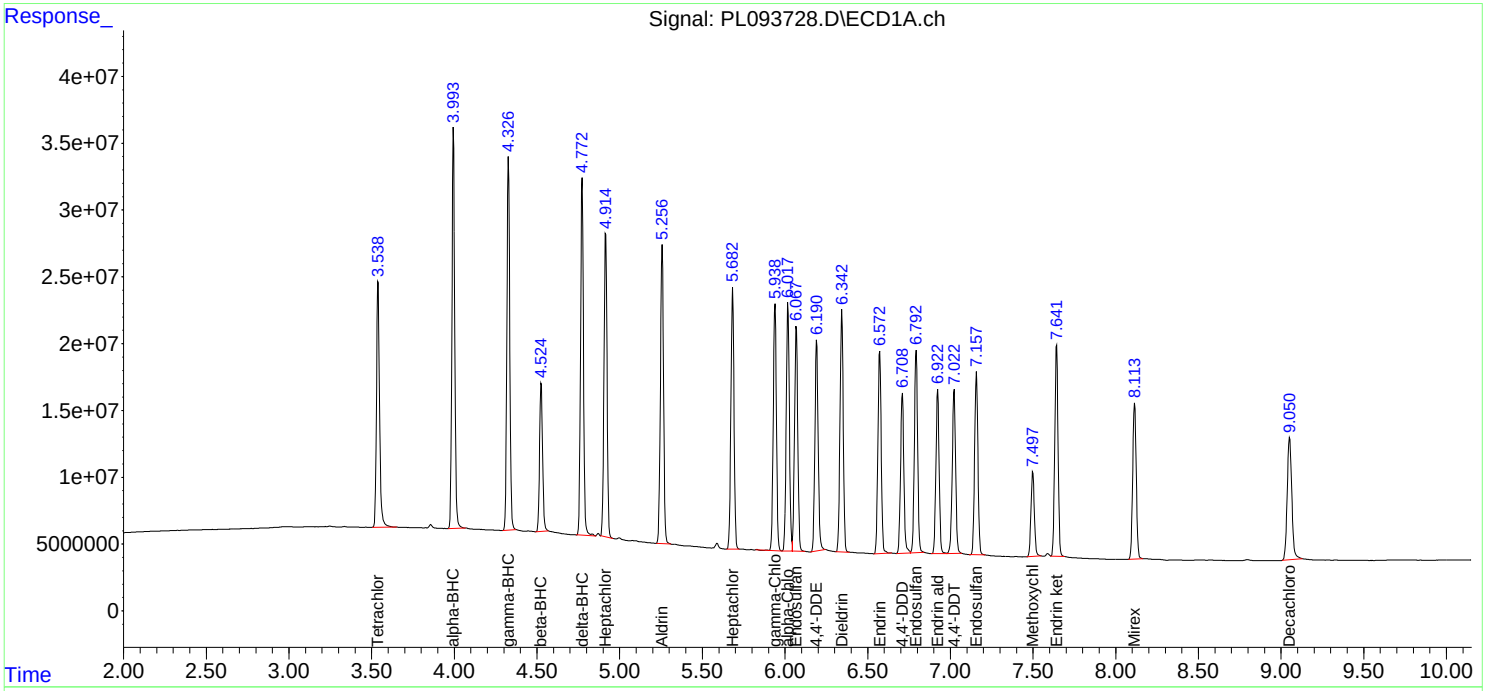
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

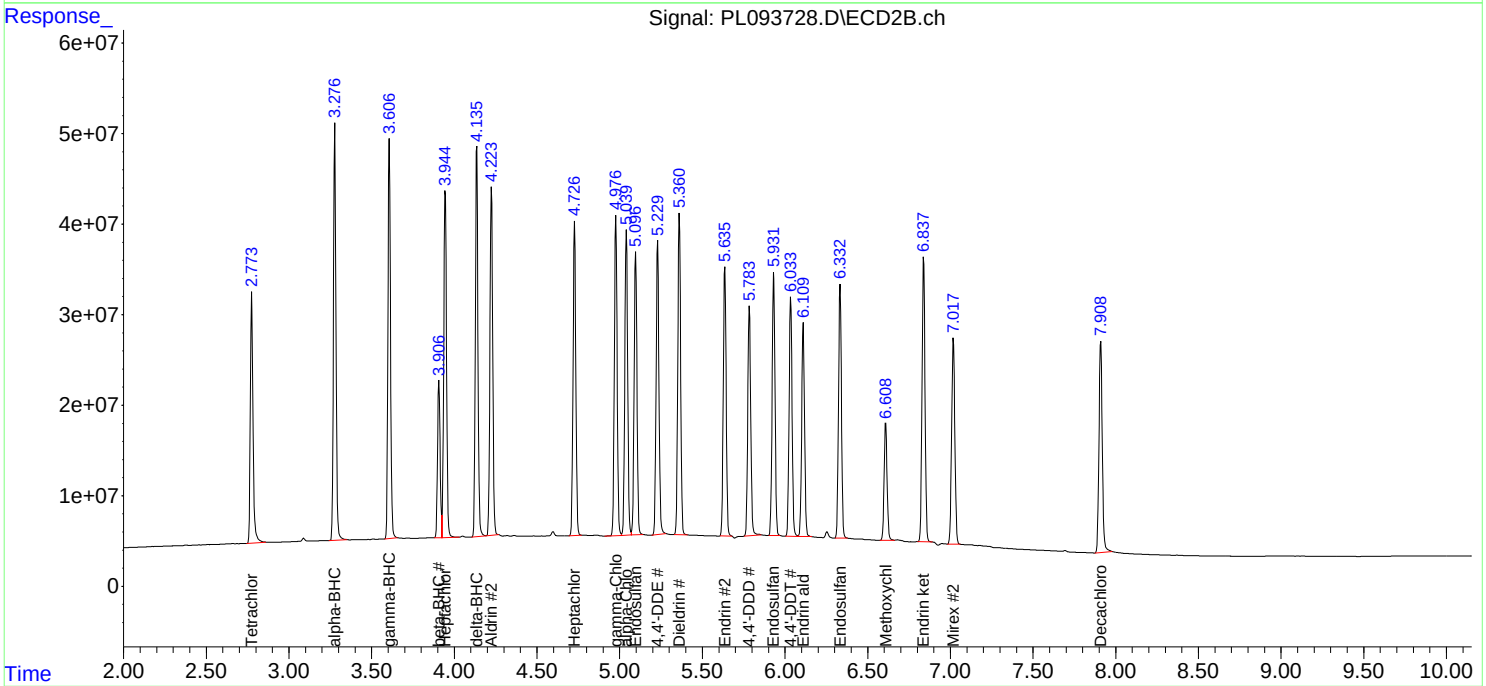
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093728.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:57
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

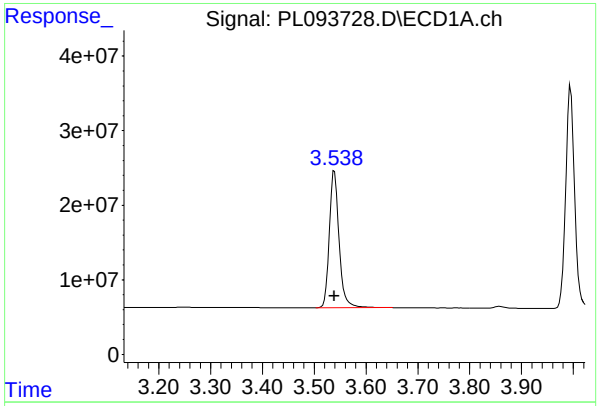
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 13:55:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



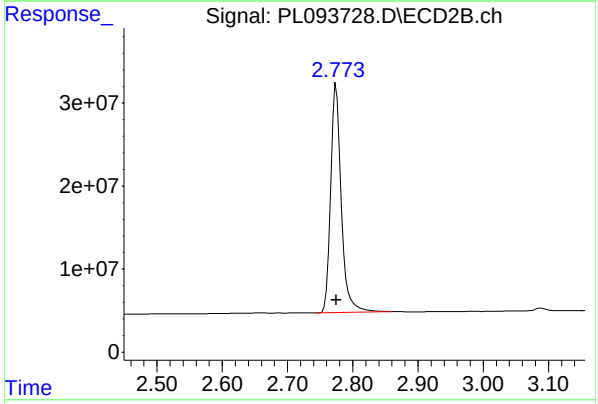




#1 Tetrachloro-m-xylene

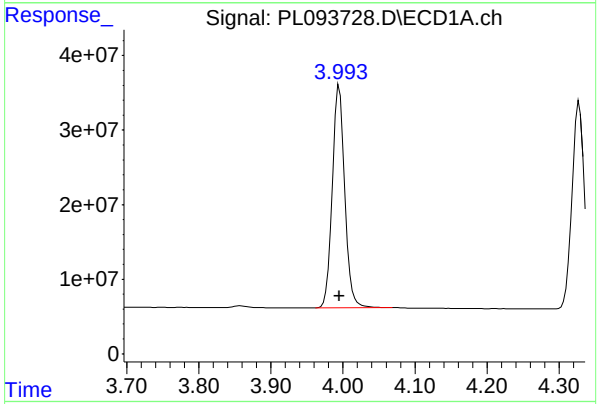
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 239787086
Conc: 93.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



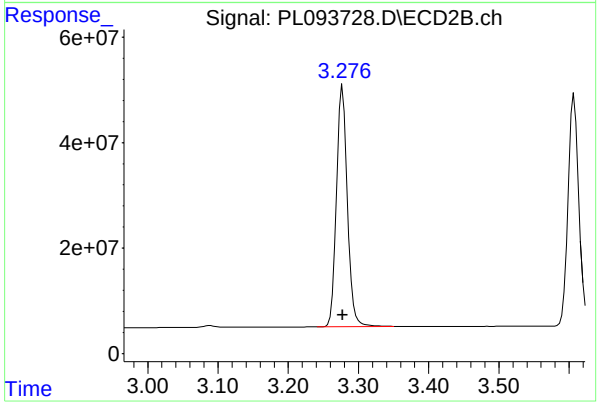
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.000 min
Response: 310121914
Conc: 94.86 ng/ml



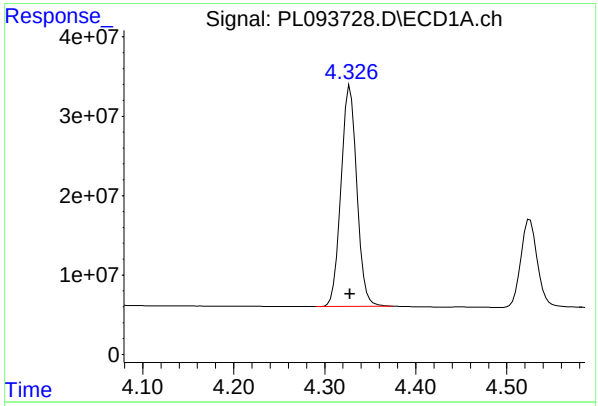
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 353769763
Conc: 94.90 ng/ml



#2 alpha-BHC

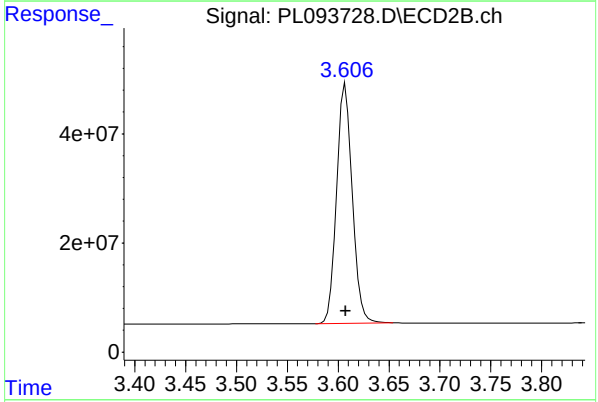
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 491419278
Conc: 96.50 ng/ml



#3 gamma-BHC (Lindane)

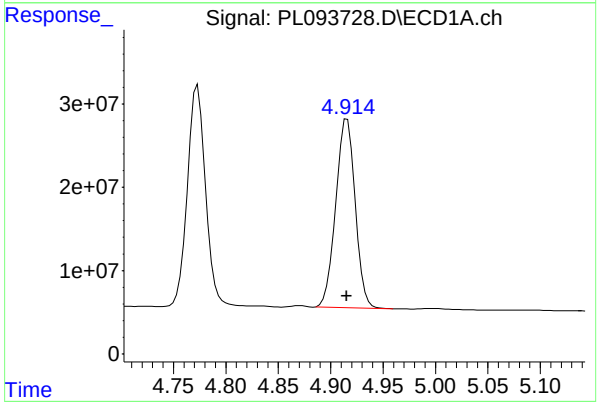
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 337596128
Conc: 94.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



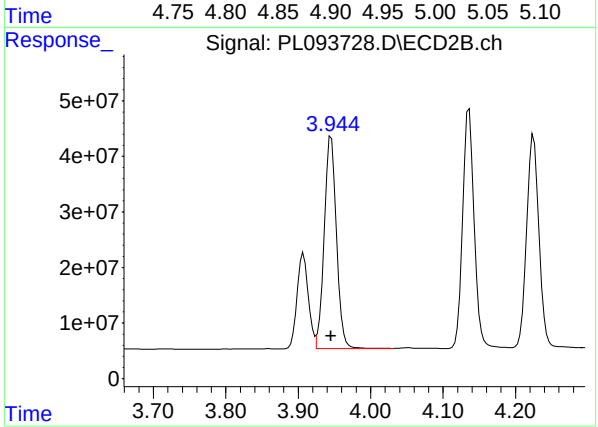
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 471337352
Conc: 96.21 ng/ml



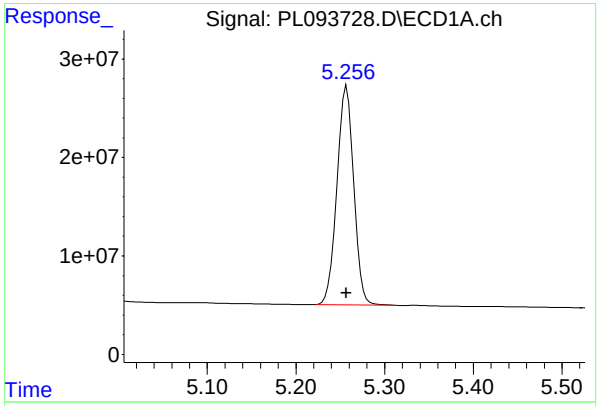
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 292250336
Conc: 93.55 ng/ml



#4 Heptachlor

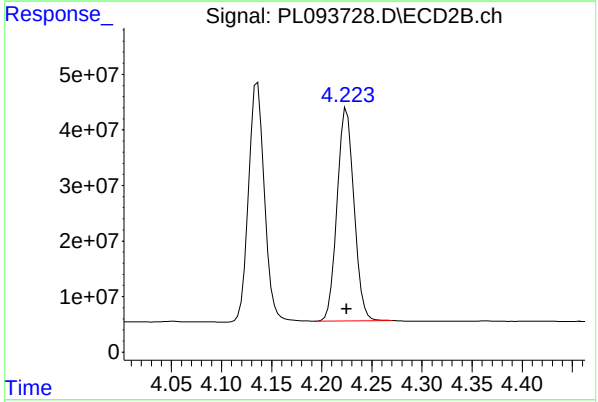
R.T.: 3.946 min
Delta R.T.: 0.000 min
Response: 450517764
Conc: 95.55 ng/ml



#5 Aldrin

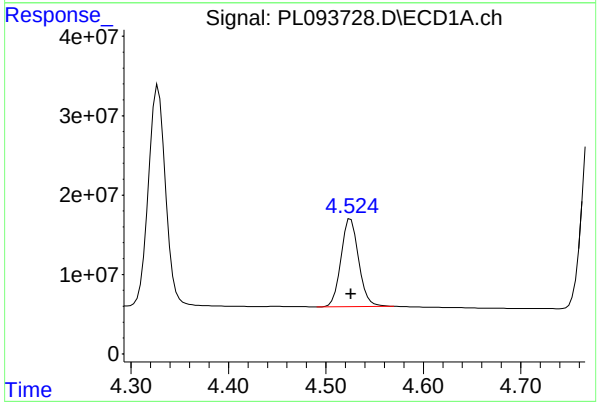
R.T.: 5.257 min
Delta R.T.: 0.000 min
Response: 292421818
Conc: 94.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



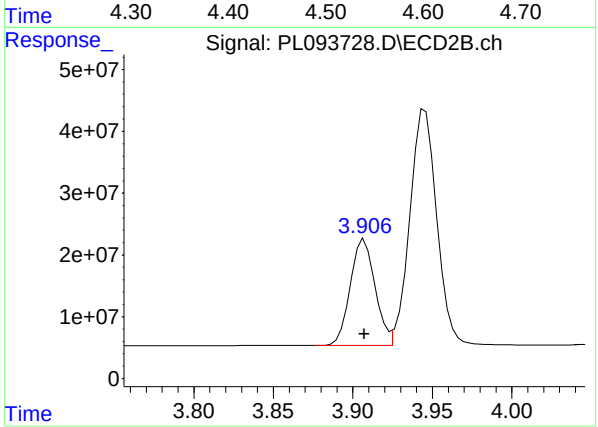
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: 0.000 min
Response: 448299060
Conc: 96.00 ng/ml



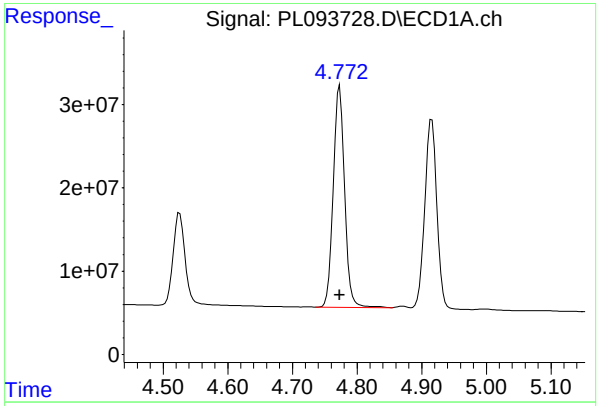
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 139346436
Conc: 92.54 ng/ml



#6 beta-BHC

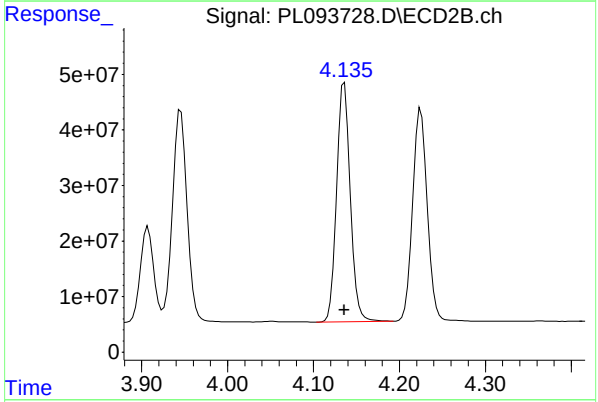
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 186343878
Conc: 94.70 ng/ml



#7 delta-BHC

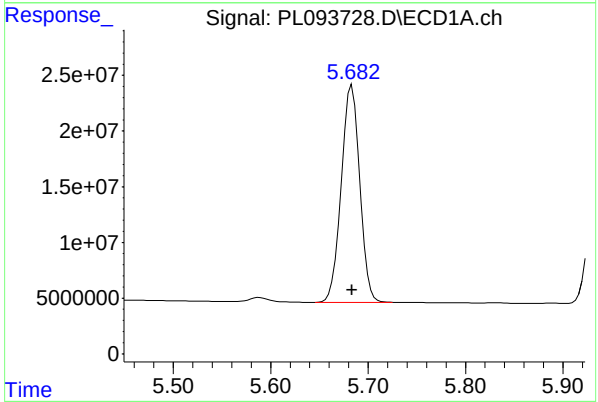
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 323385715
Conc: 94.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



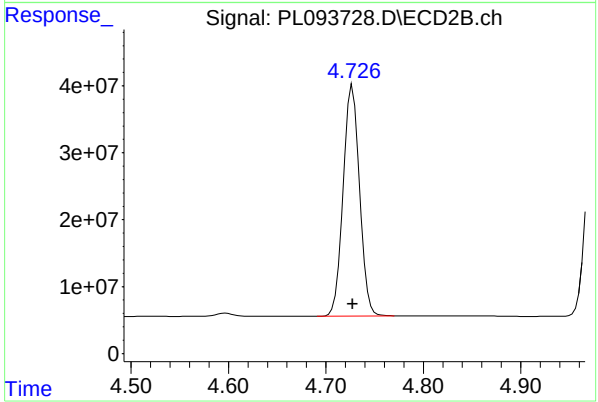
#7 delta-BHC

R.T.: 4.136 min
Delta R.T.: 0.000 min
Response: 474122692
Conc: 96.37 ng/ml



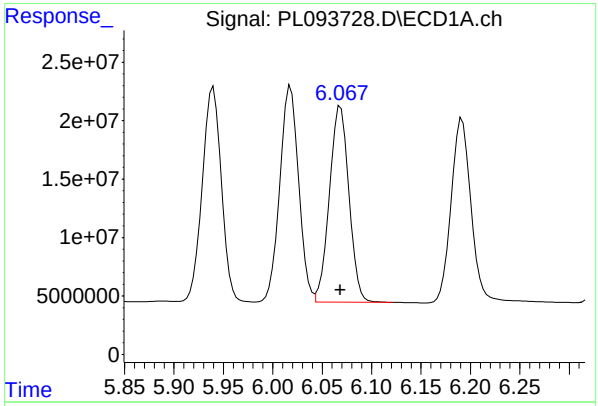
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 256867626
Conc: 93.03 ng/ml



#8 Heptachlor epoxide

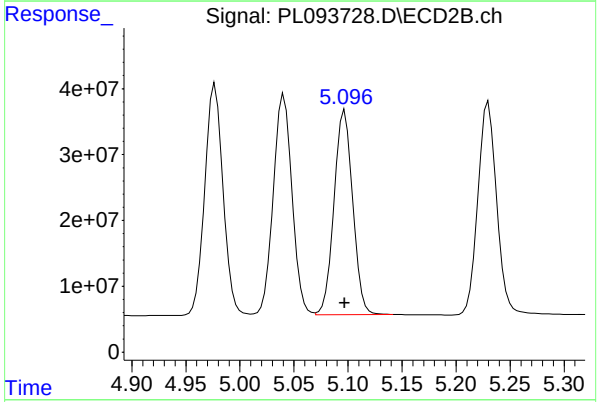
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 402684225
Conc: 95.30 ng/ml



#9 Endosulfan I

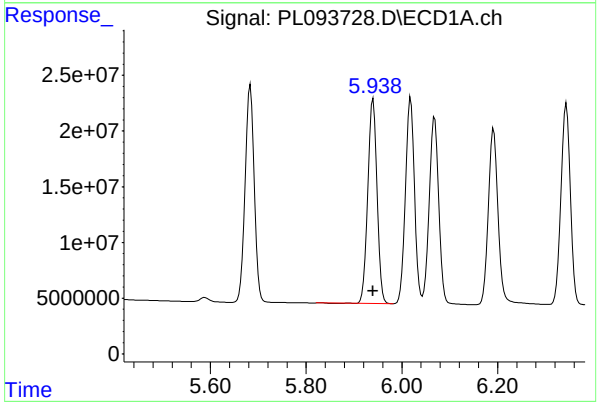
R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 230440433
Conc: 93.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



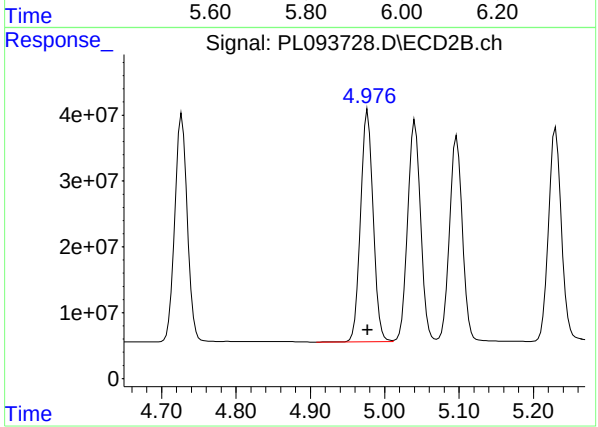
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 373410327
Conc: 95.34 ng/ml



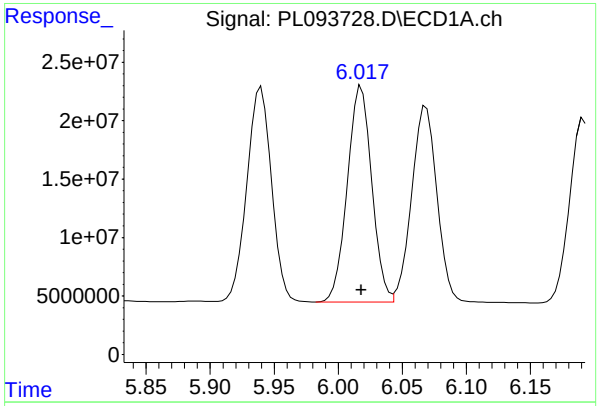
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 245583159
Conc: 93.17 ng/ml



#10 gamma-Chlordane

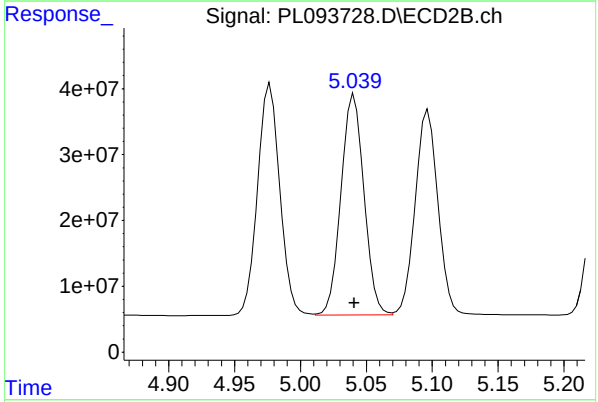
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 413724271
Conc: 95.99 ng/ml



#11 alpha-Chlordane

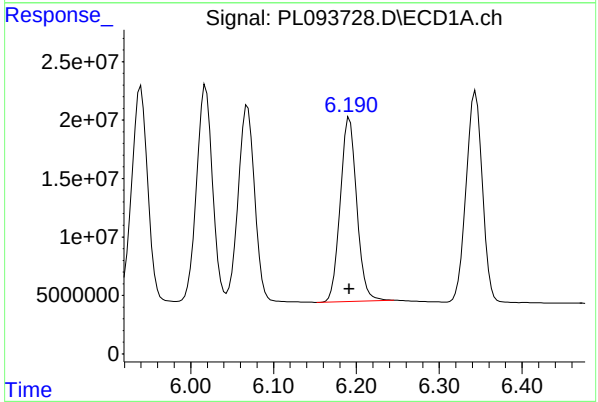
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 245806926
Conc: 93.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



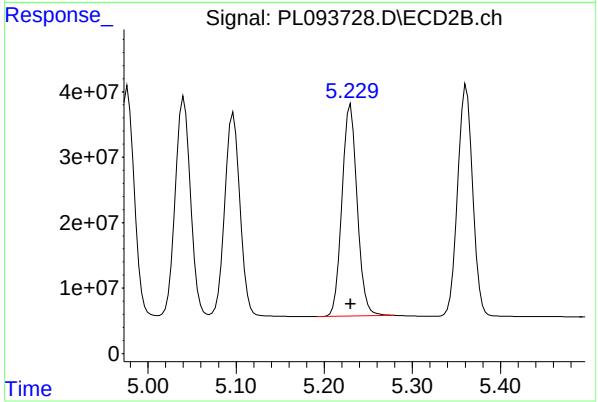
#11 alpha-Chlordane

R.T.: 5.041 min
Delta R.T.: 0.000 min
Response: 405697093
Conc: 95.67 ng/ml



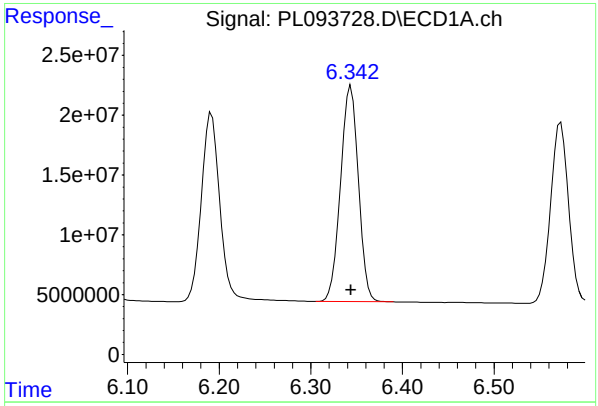
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 217987126
Conc: 93.38 ng/ml



#12 4,4'-DDE

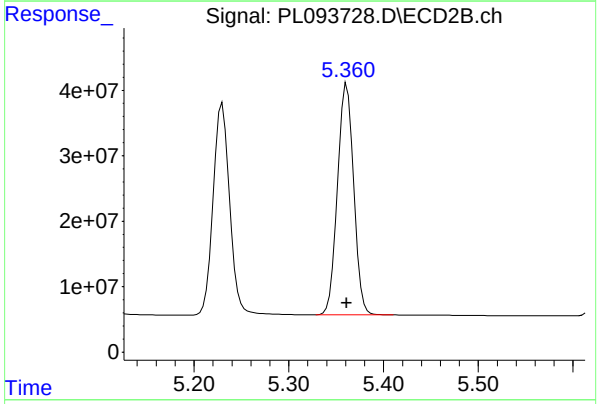
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 389192028
Conc: 95.56 ng/ml



#13 Dieldrin

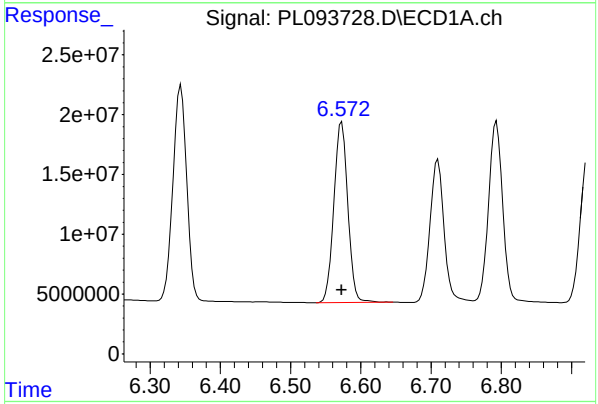
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 245657863
Conc: 93.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



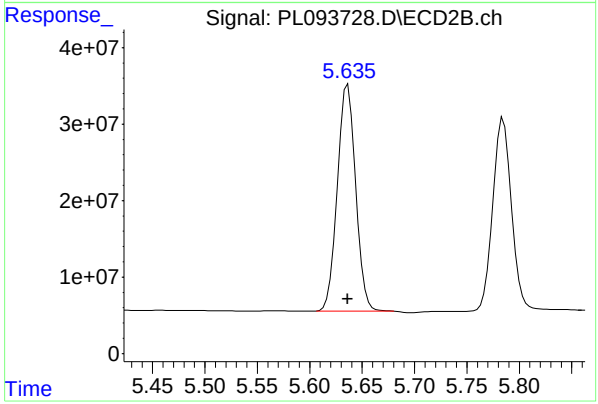
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 418929941
Conc: 95.83 ng/ml



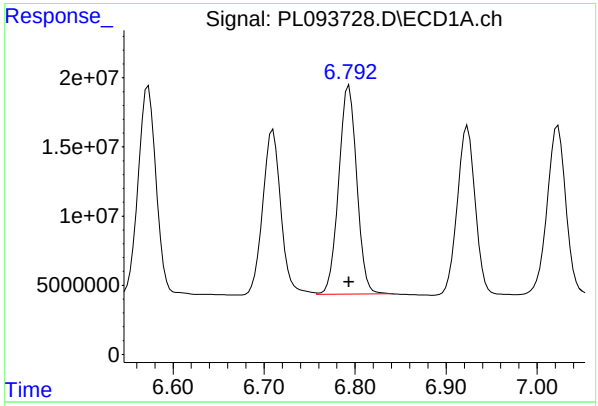
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 207942946
Conc: 93.61 ng/ml



#14 Endrin

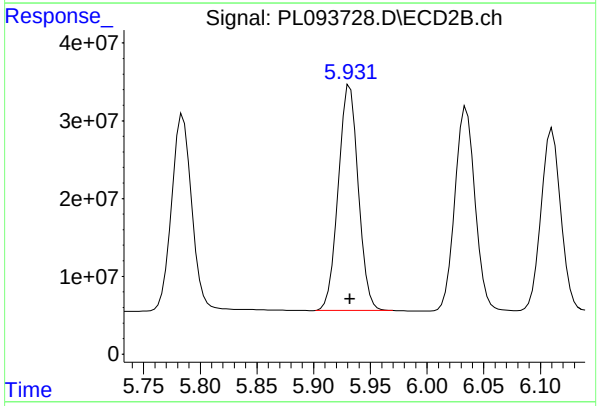
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 360776248
Conc: 96.48 ng/ml



#15 Endosulfan II

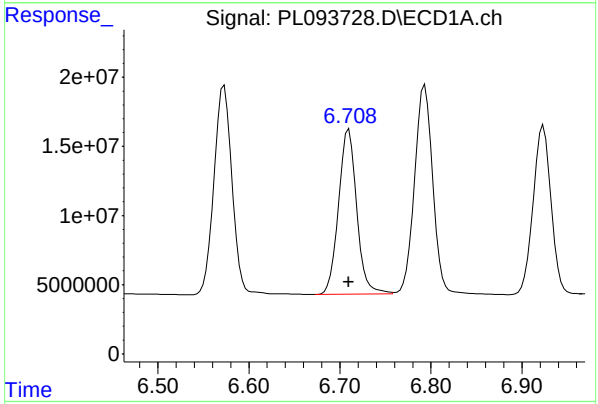
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 208413423
Conc: 92.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



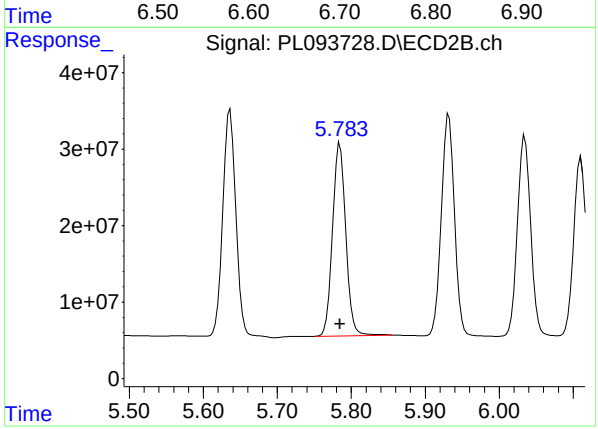
#15 Endosulfan II

R.T.: 5.932 min
Delta R.T.: 0.000 min
Response: 355326342
Conc: 95.18 ng/ml



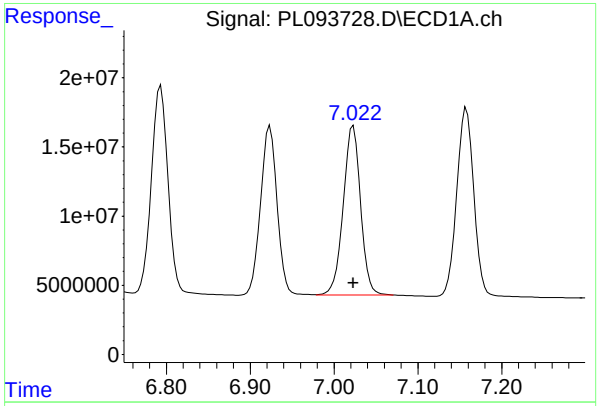
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 166092692
Conc: 92.44 ng/ml



#16 4,4'-DDD

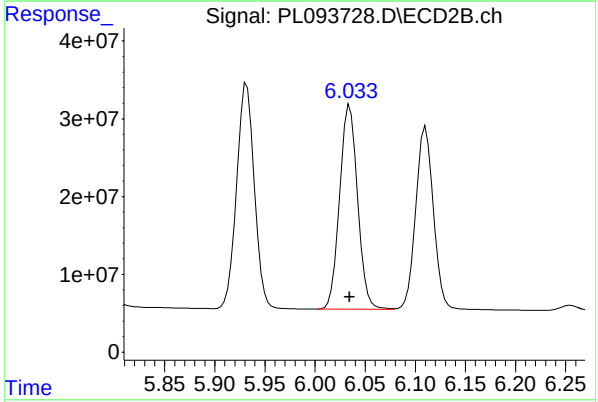
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 313400411
Conc: 96.24 ng/ml



#17 4,4'-DDT

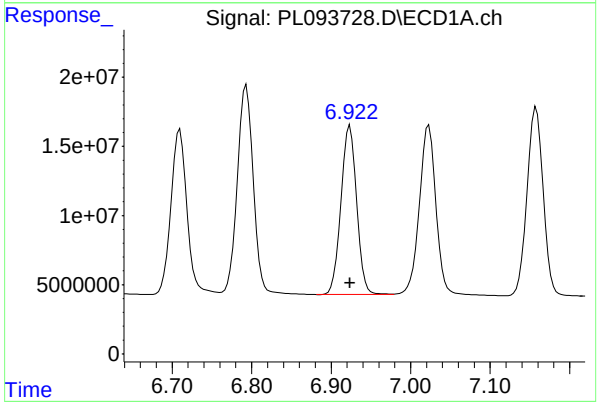
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 175556551
Conc: 93.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



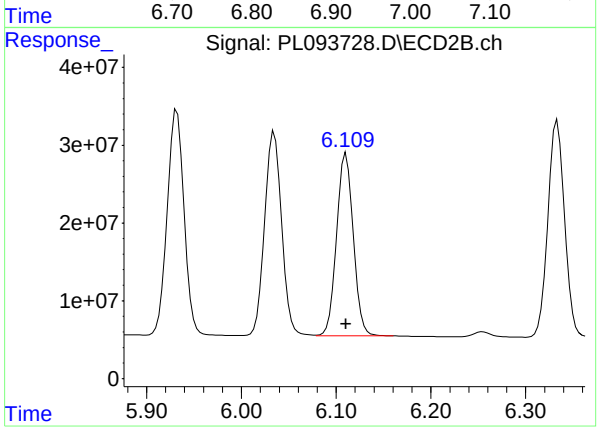
#17 4,4'-DDT

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 327000877
Conc: 96.00 ng/ml



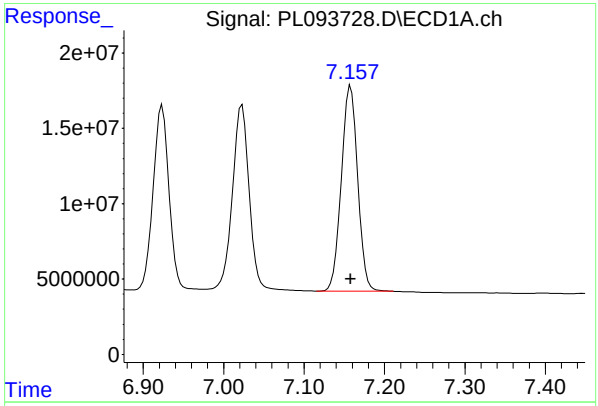
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 167311887
Conc: 92.13 ng/ml



#18 Endrin aldehyde

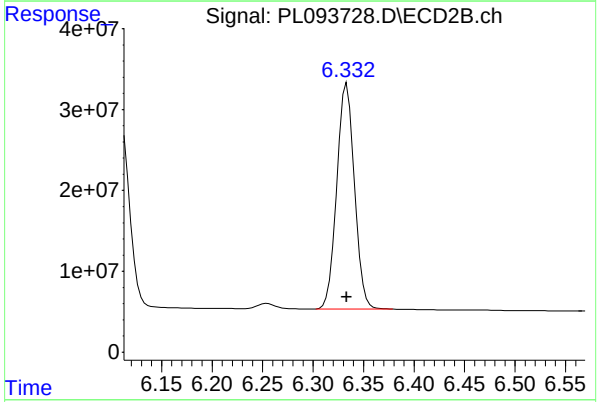
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 286145897
Conc: 94.67 ng/ml



#19 Endosulfan Sulfate

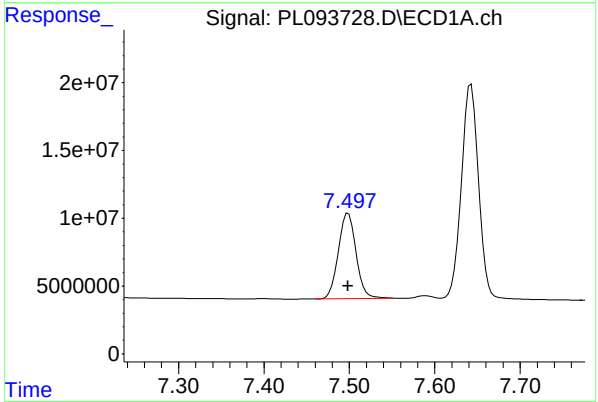
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 192310257
Conc: 92.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



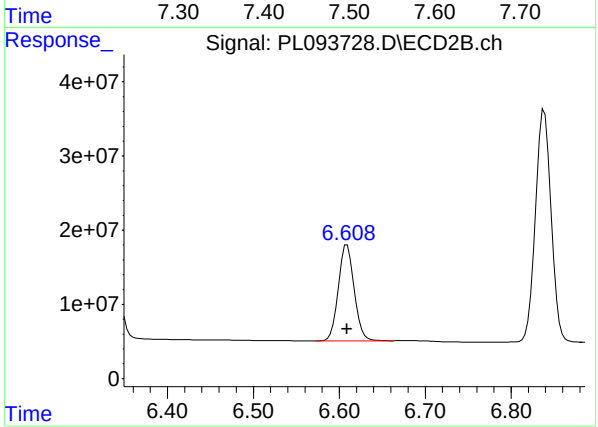
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 340862985
Conc: 95.14 ng/ml



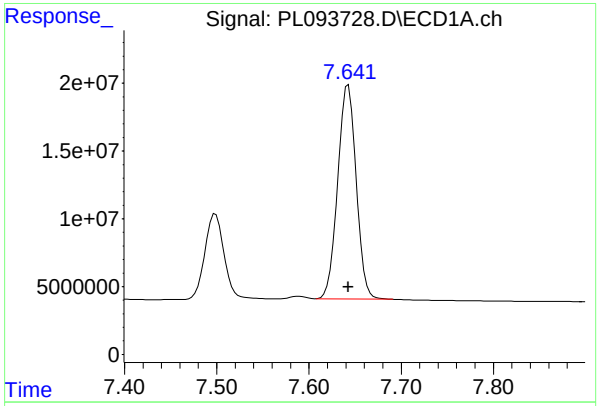
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 90728367
Conc: 91.29 ng/ml



#20 Methoxychlor

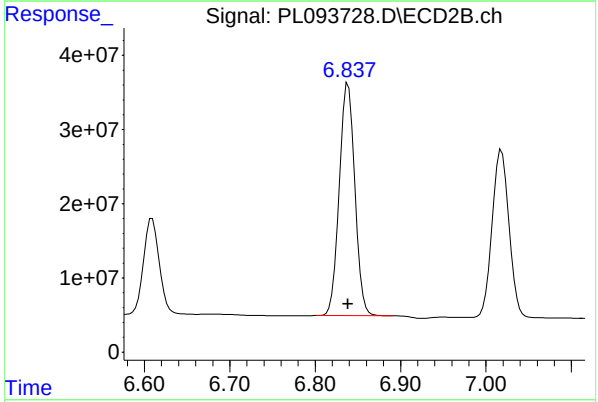
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 165186868
Conc: 93.80 ng/ml



#21 Endrin ketone

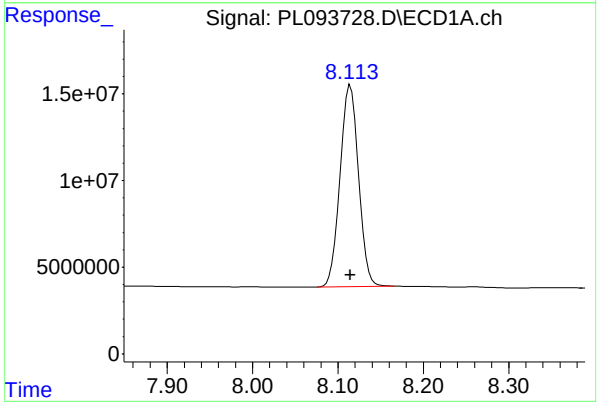
R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 219684904
Conc: 92.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



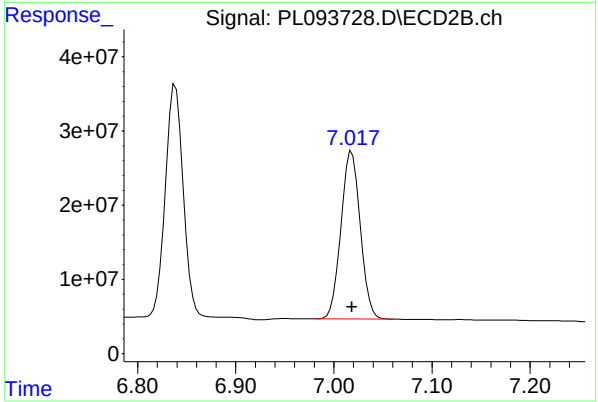
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 396512430
Conc: 94.80 ng/ml



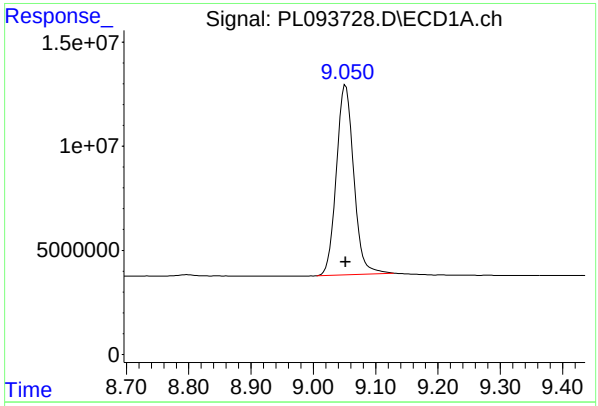
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 175302981
Conc: 91.82 ng/ml



#22 Mirex

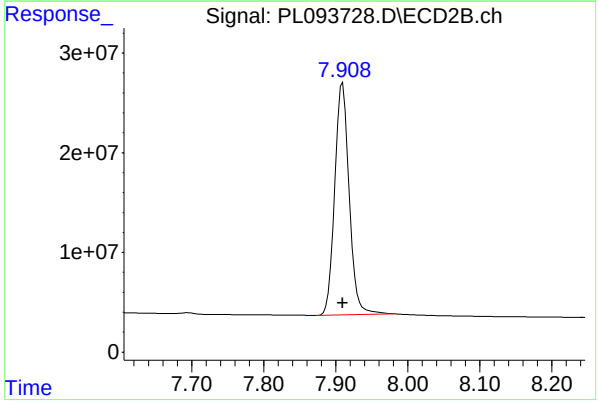
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 309908166
Conc: 94.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 176847808
Conc: 91.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 322668553
Conc: 94.16 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093729.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:10
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 13:57:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.539	2.774	180.2E6	229.4E6	71.698	71.707
28)	SA Decachlor...	9.053	7.910	136.2E6	239.5E6	71.914	71.521
	Target Compounds						
2)	A alpha-BHC	3.995	3.277	261.8E6	357.6E6	71.744	71.750
3)	MA gamma-BHC...	4.327	3.607	250.5E6	344.8E6	71.676	71.853
4)	MA Heptachlor	4.915	3.945	217.6E6	331.0E6	71.357	71.736
5)	MB Aldrin	5.256	4.225	217.3E6	327.8E6	71.516	71.729
6)	B beta-BHC	4.525	3.907	104.6E6	138.2E6	71.206	71.753
7)	B delta-BHC	4.772	4.136	239.6E6	345.6E6	71.632	71.760
8)	B Heptachlo...	5.683	4.727	193.2E6	296.0E6	71.570	71.629
9)	A Endosulfan I	6.068	5.097	172.4E6	274.6E6	71.433	71.672
10)	B gamma-Chl...	5.938	4.977	185.4E6	301.3E6	71.825	71.519
11)	B alpha-Chl...	6.017	5.041	184.4E6	297.2E6	71.795	71.644
12)	B 4,4'-DDE	6.191	5.230	162.7E6	285.6E6	71.391	71.673
13)	MA Dieldrin	6.343	5.361	183.1E6	305.8E6	71.456	71.552
14)	MA Endrin	6.573	5.637	154.6E6	261.1E6	71.302	71.468
15)	B Endosulfa...	6.793	5.931	157.5E6	261.6E6	71.626	71.638
16)	A 4,4'-DDD	6.709	5.784	126.0E6	229.1E6	71.668	71.836
17)	MA 4,4'-DDT	7.022	6.034	132.5E6	238.3E6	71.766	71.567
18)	B Endrin al...	6.923	6.110	127.2E6	211.5E6	71.622	71.578
19)	B Endosulfa...	7.157	6.333	145.9E6	251.5E6	71.548	71.726
20)	A Methoxychlor	7.498	6.609	69158182	122.6E6	71.303	71.307
21)	B Endrin ke...	7.642	6.838	165.4E6	291.1E6	71.484	71.317
22)	Mirex	8.115	7.018	133.6E6	229.7E6	71.590	71.522

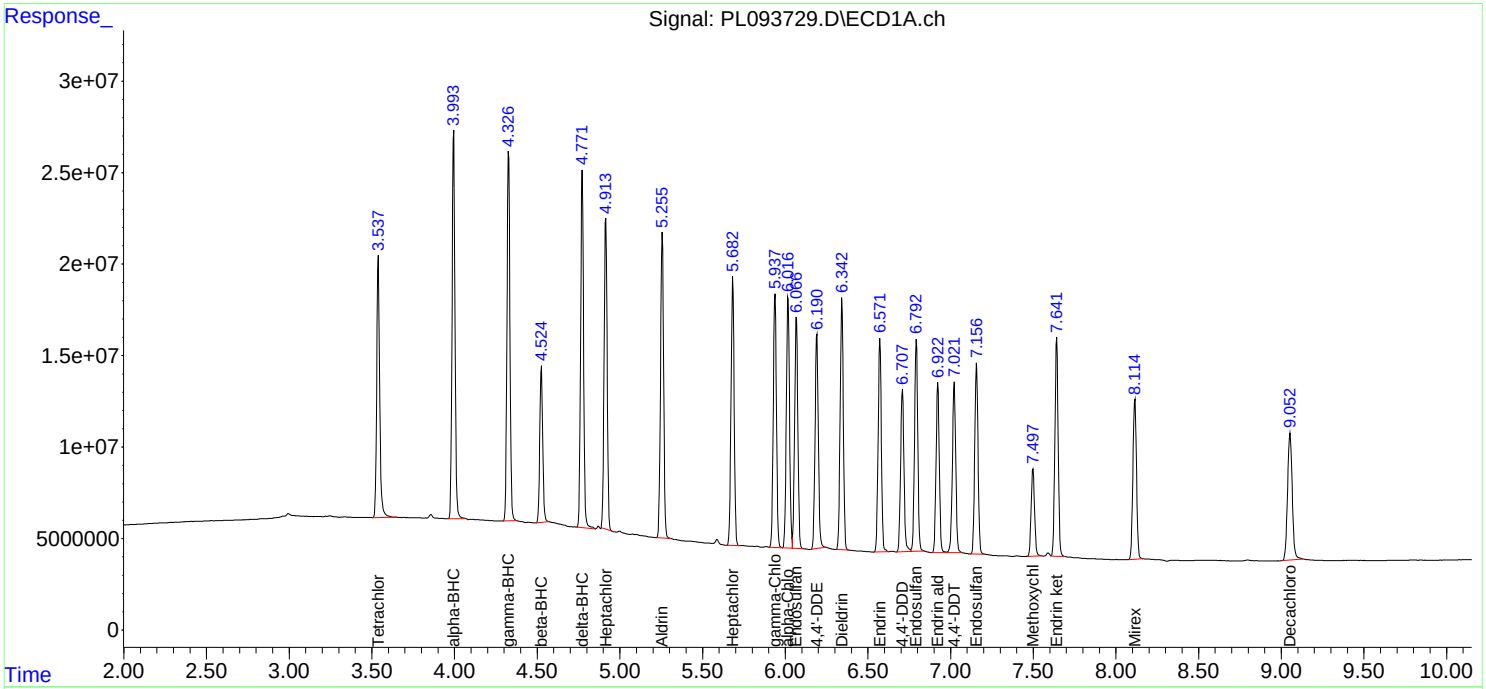
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

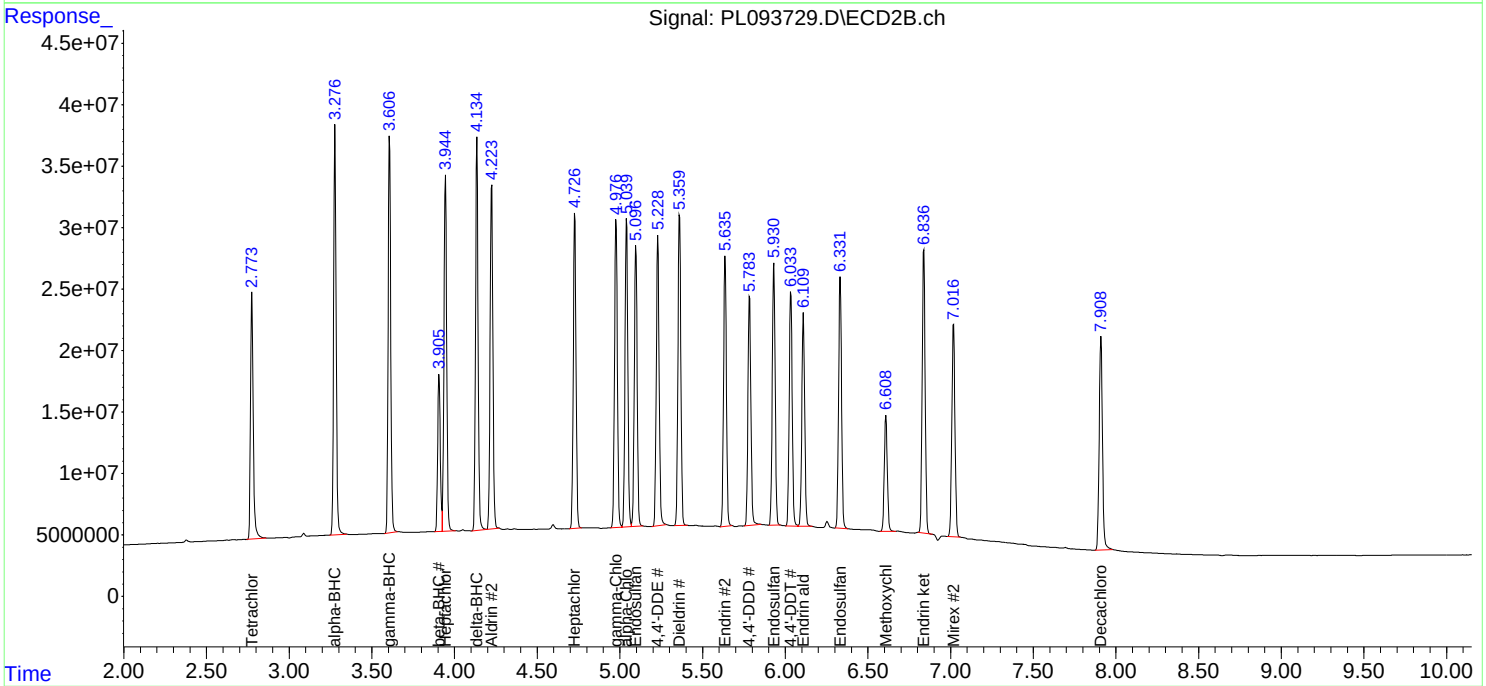
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093729.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:10
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

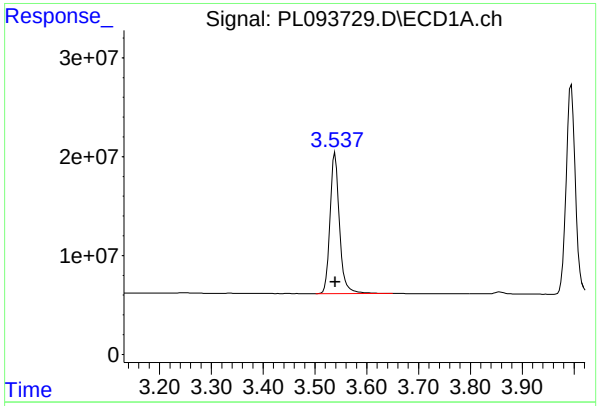
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 13:57:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



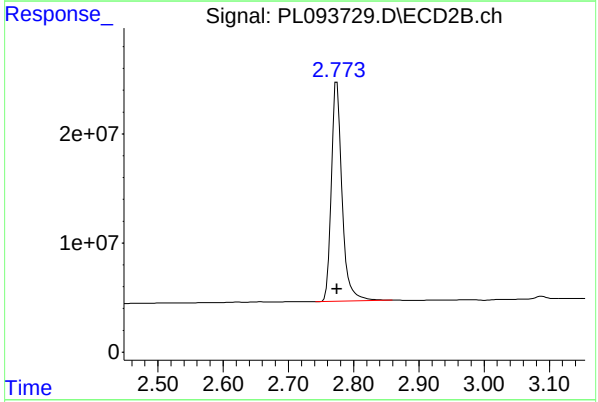




#1 Tetrachloro-m-xylene

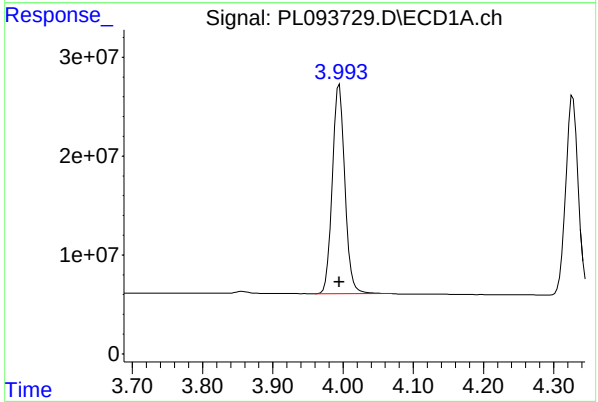
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 180223207
Conc: 71.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



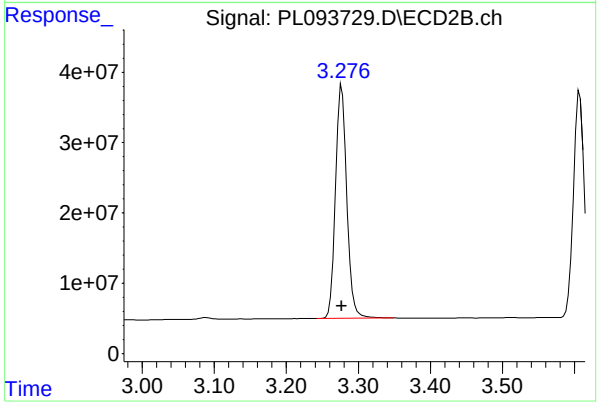
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 229390960
Conc: 71.71 ng/ml



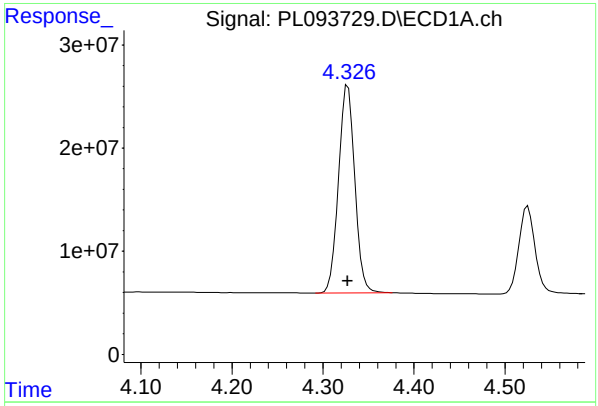
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 261771076
Conc: 71.74 ng/ml



#2 alpha-BHC

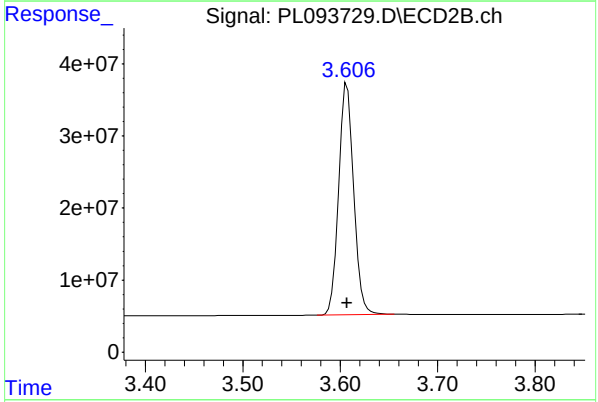
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 357647885
Conc: 71.75 ng/ml



#3 gamma-BHC (Lindane)

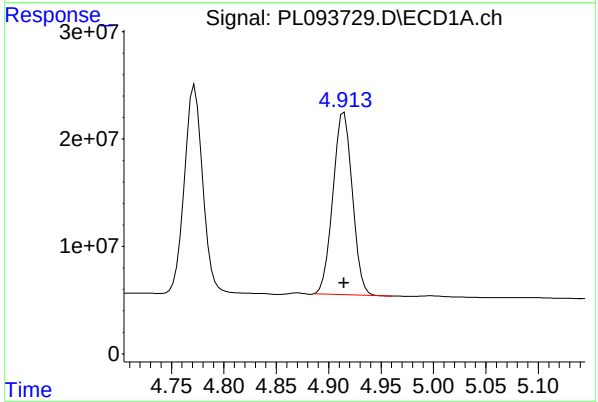
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 250451076
Conc: 71.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



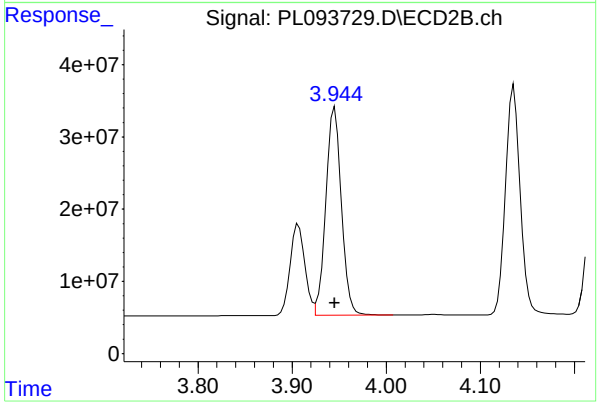
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 344775667
Conc: 71.85 ng/ml



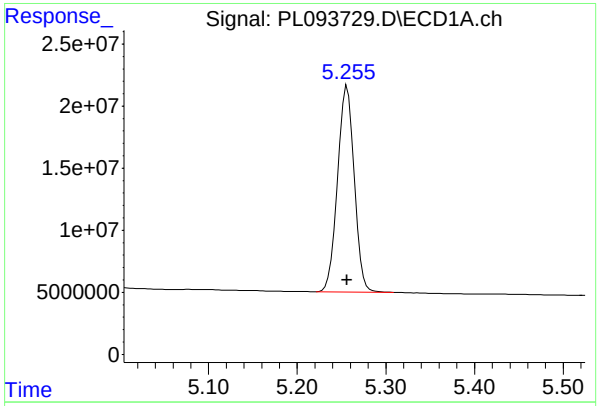
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 217626800
Conc: 71.36 ng/ml



#4 Heptachlor

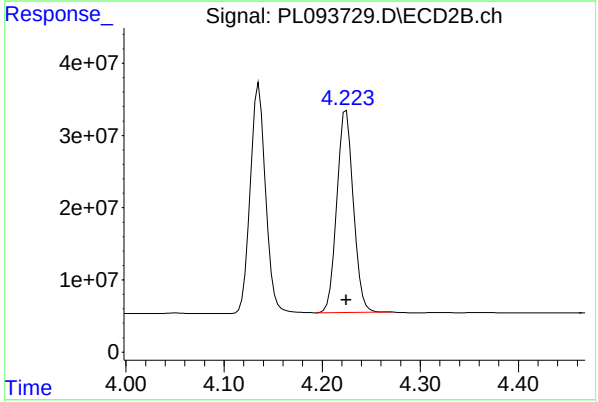
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 331031082
Conc: 71.74 ng/ml



#5 Aldrin

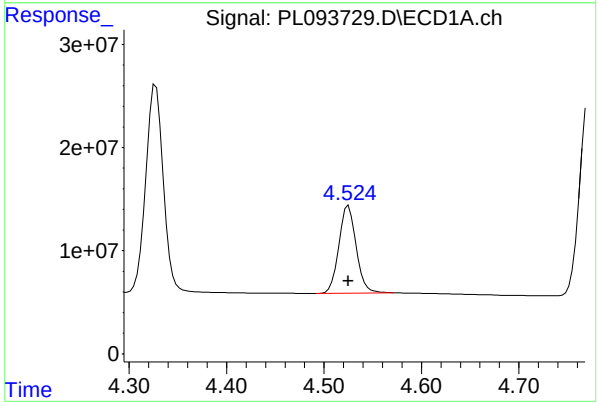
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 217256477
Conc: 71.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



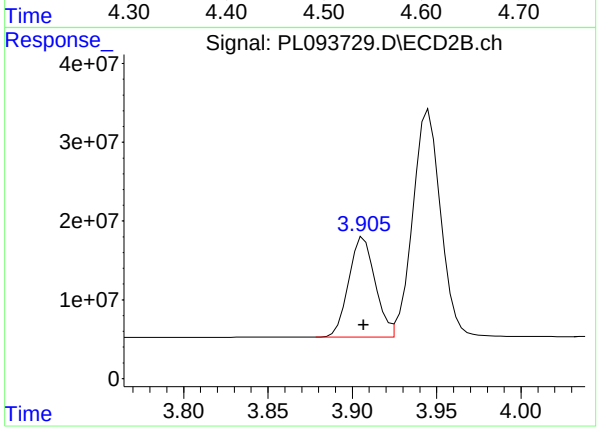
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: 0.000 min
Response: 327810801
Conc: 71.73 ng/ml



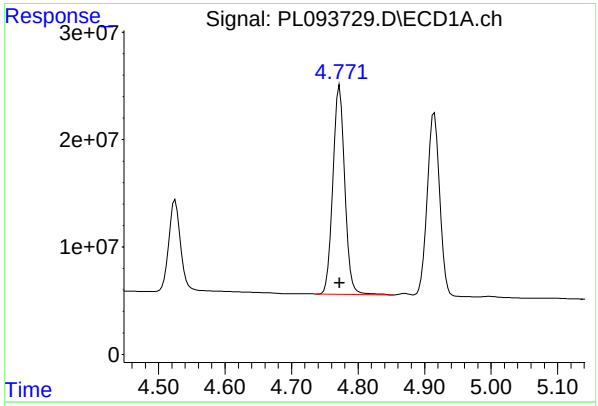
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 104583271
Conc: 71.21 ng/ml



#6 beta-BHC

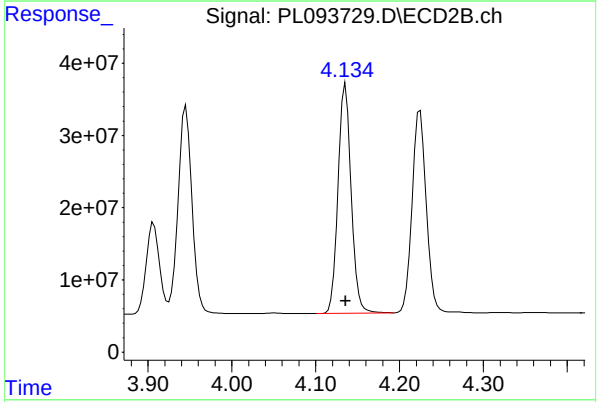
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 138204189
Conc: 71.75 ng/ml



#7 delta-BHC

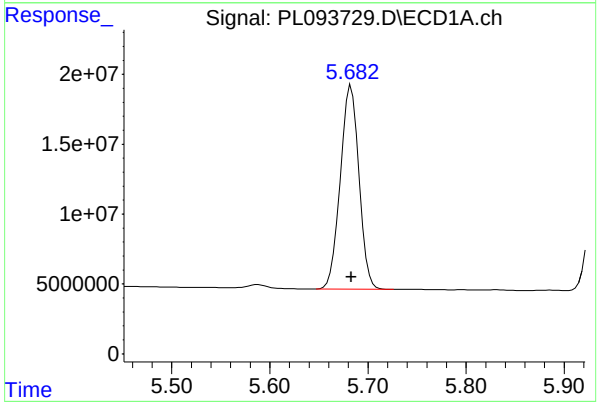
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 239591328
Conc: 71.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



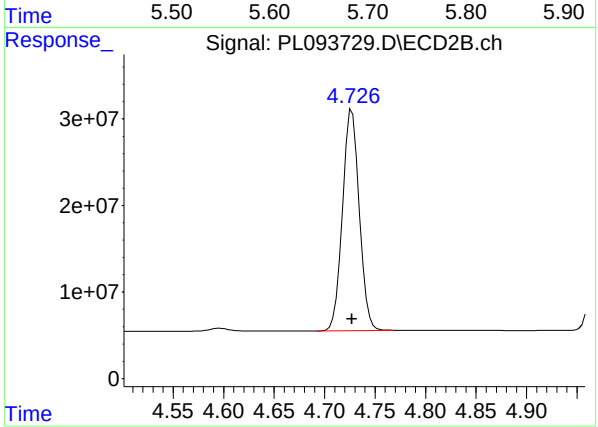
#7 delta-BHC

R.T.: 4.136 min
Delta R.T.: 0.000 min
Response: 345593516
Conc: 71.76 ng/ml



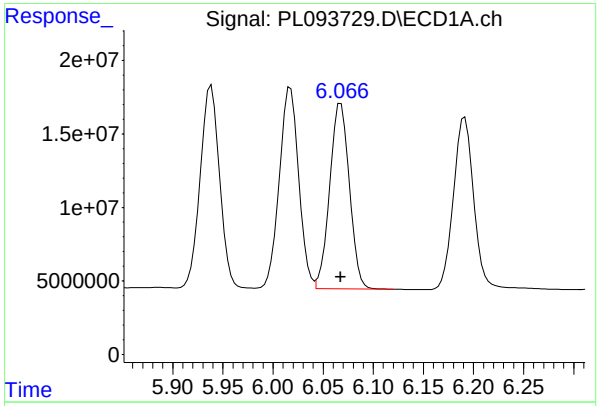
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 193196976
Conc: 71.57 ng/ml



#8 Heptachlor epoxide

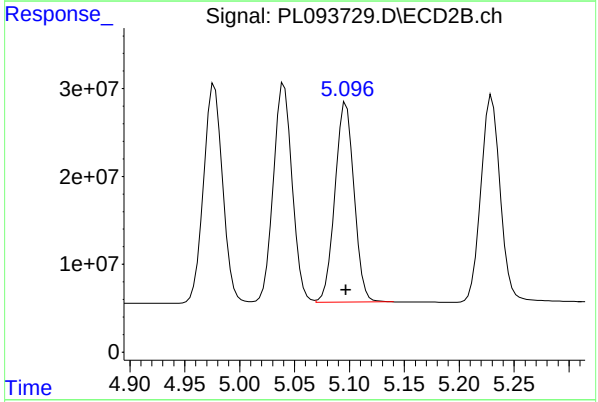
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 296015685
Conc: 71.63 ng/ml



#9 Endosulfan I

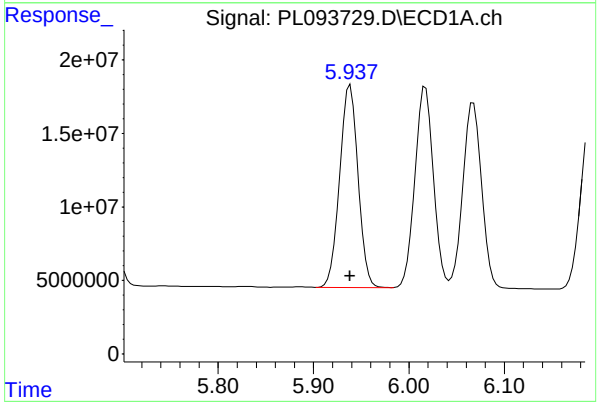
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 172391226
Conc: 71.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



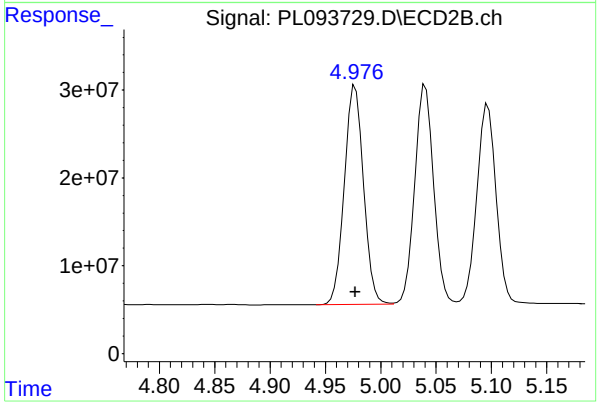
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 274618139
Conc: 71.67 ng/ml



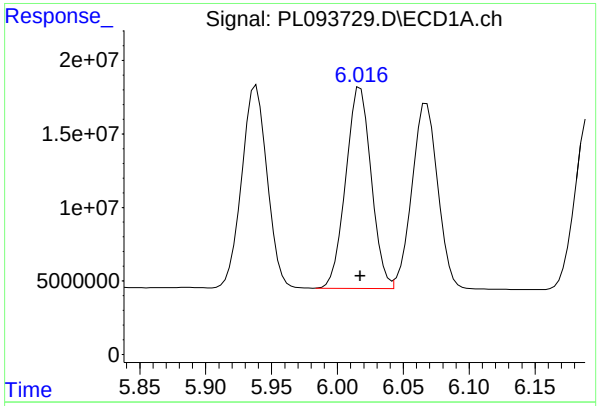
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 185387384
Conc: 71.83 ng/ml



#10 gamma-Chlordane

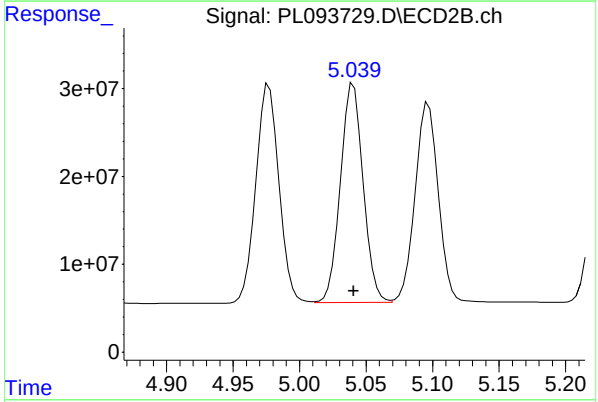
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 301264863
Conc: 71.52 ng/ml



#11 alpha-Chlordane

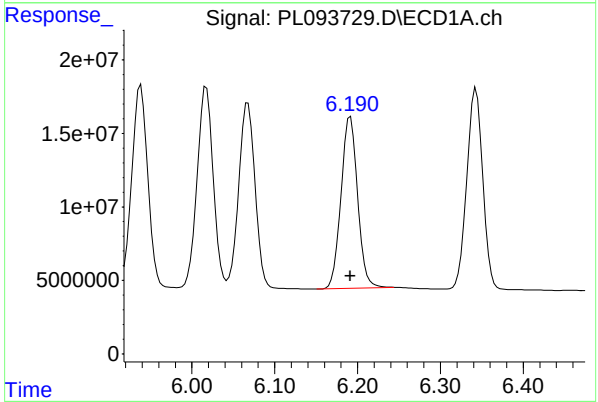
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 184386873
Conc: 71.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



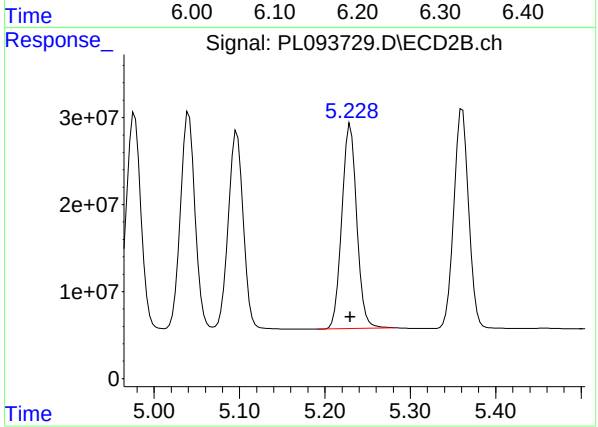
#11 alpha-Chlordane

R.T.: 5.041 min
Delta R.T.: 0.000 min
Response: 297157887
Conc: 71.64 ng/ml



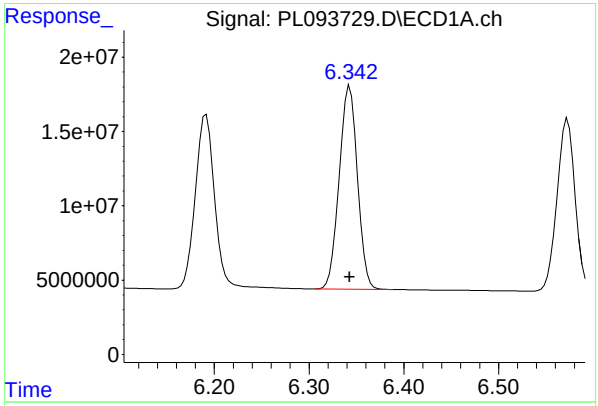
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 162744494
Conc: 71.39 ng/ml



#12 4,4'-DDE

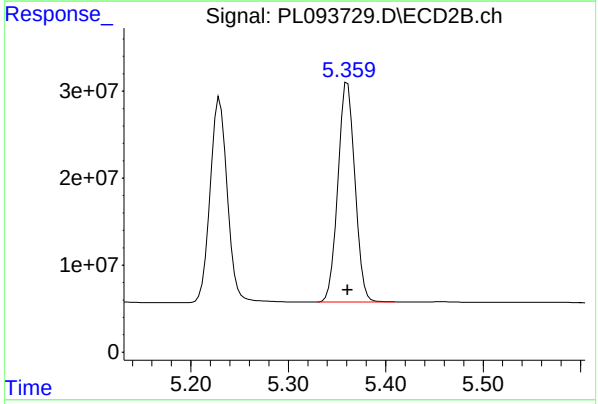
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 285573154
Conc: 71.67 ng/ml



#13 Dieldrin

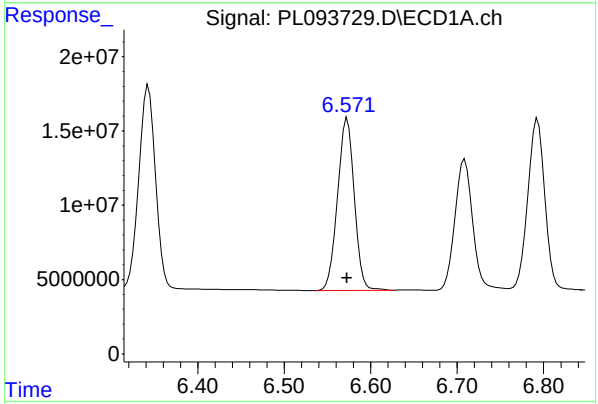
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 183061011
Conc: 71.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



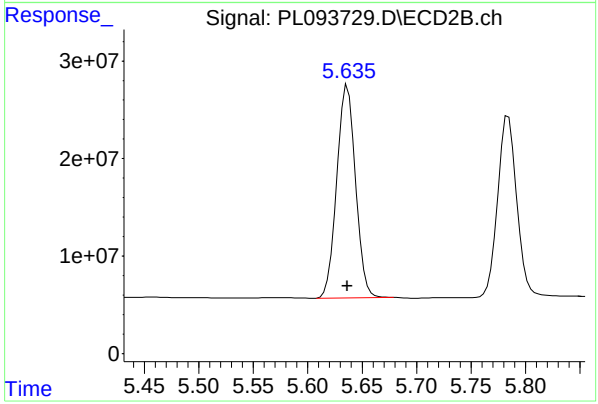
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 305757664
Conc: 71.55 ng/ml



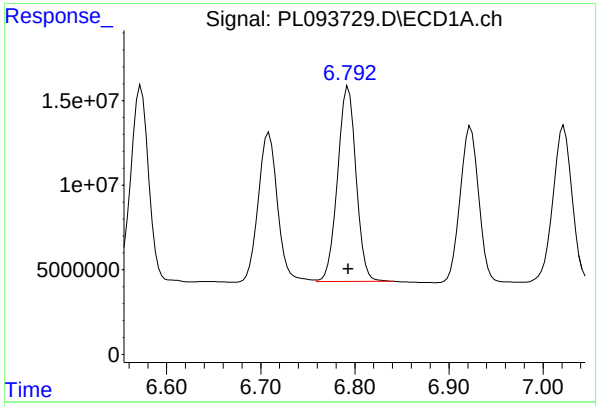
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 154574222
Conc: 71.30 ng/ml



#14 Endrin

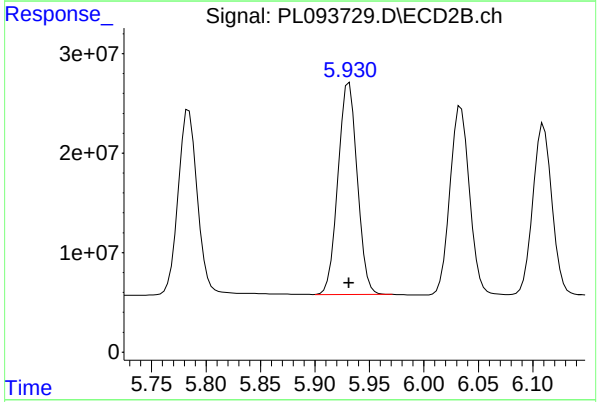
R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 261087919
Conc: 71.47 ng/ml



#15 Endosulfan II

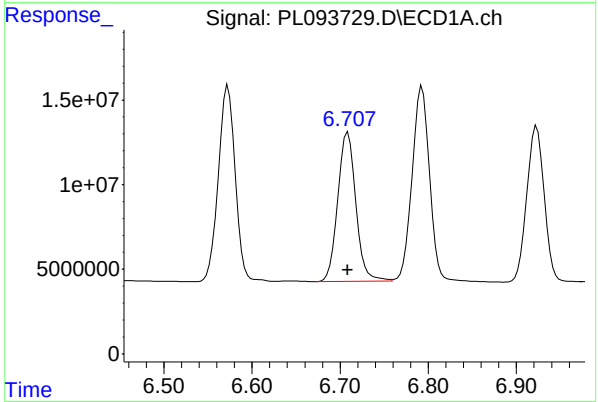
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 157545345
Conc: 71.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



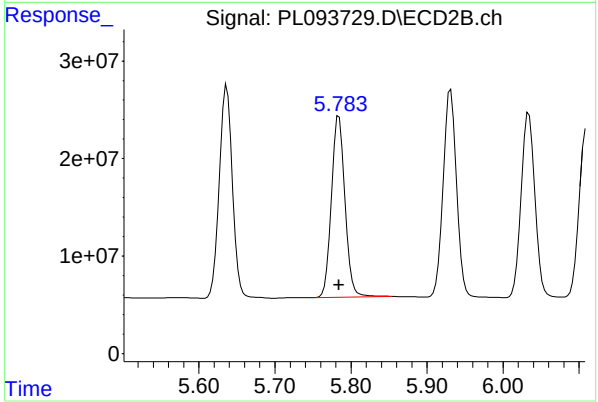
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 261572754
Conc: 71.64 ng/ml



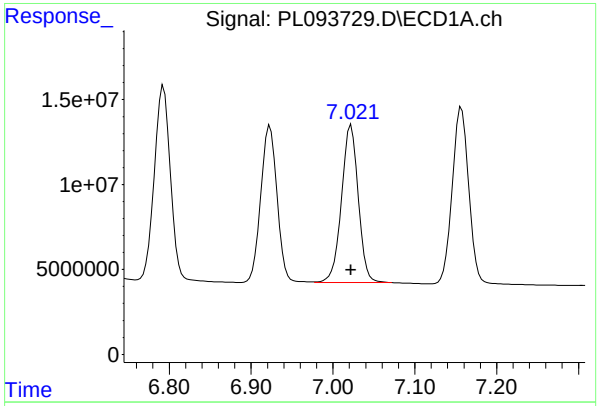
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 125973987
Conc: 71.67 ng/ml



#16 4,4'-DDD

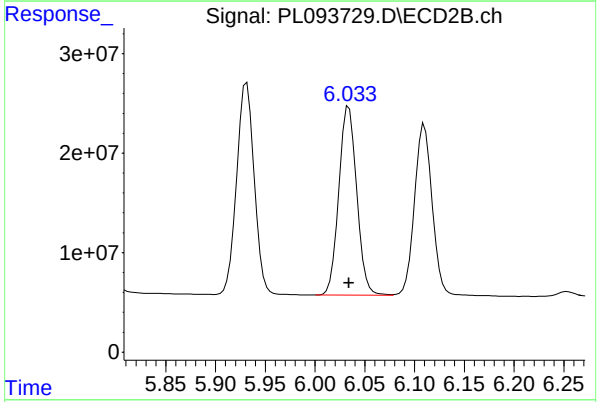
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 229105062
Conc: 71.84 ng/ml



#17 4,4'-DDT

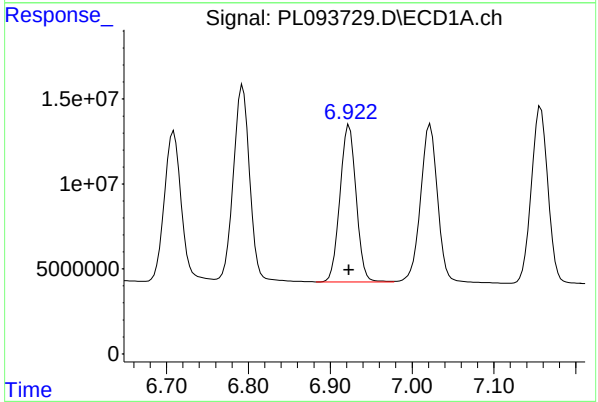
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 132503378
Conc: 71.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



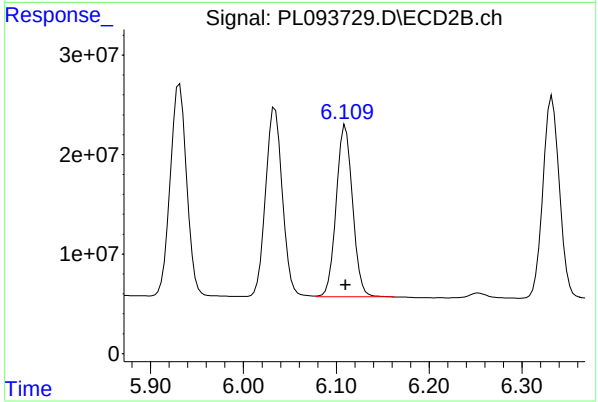
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 238334747
Conc: 71.57 ng/ml



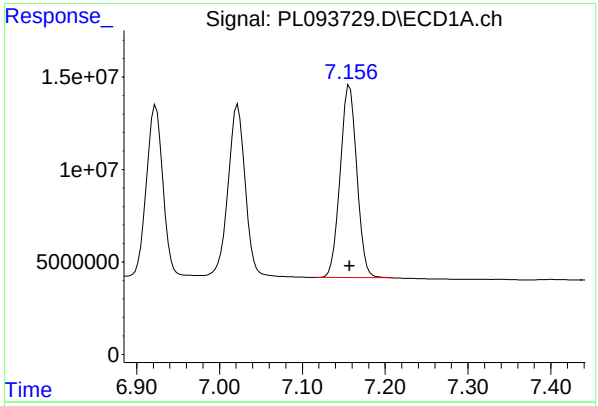
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 127202927
Conc: 71.62 ng/ml



#18 Endrin aldehyde

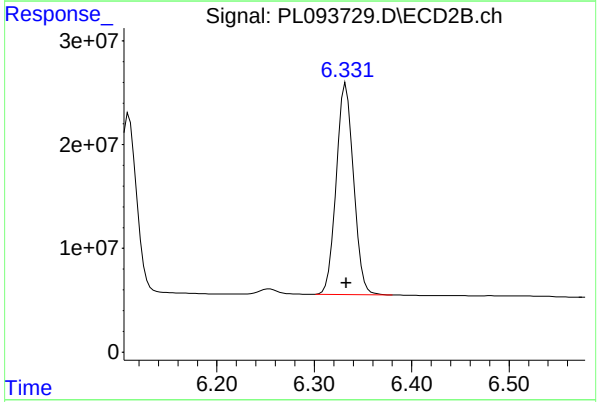
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 211513516
Conc: 71.58 ng/ml



#19 Endosulfan Sulfate

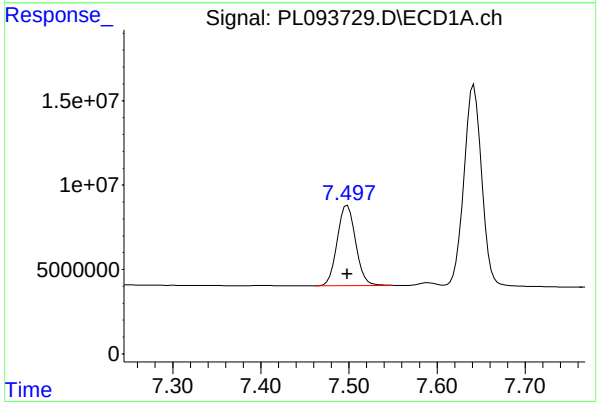
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 145880361
Conc: 71.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



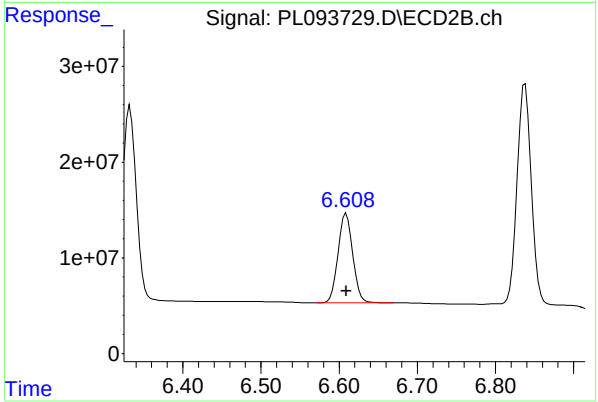
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 251492996
Conc: 71.73 ng/ml



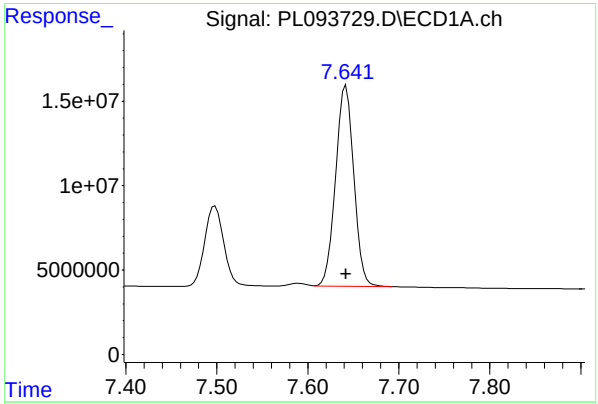
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 69158182
Conc: 71.30 ng/ml



#20 Methoxychlor

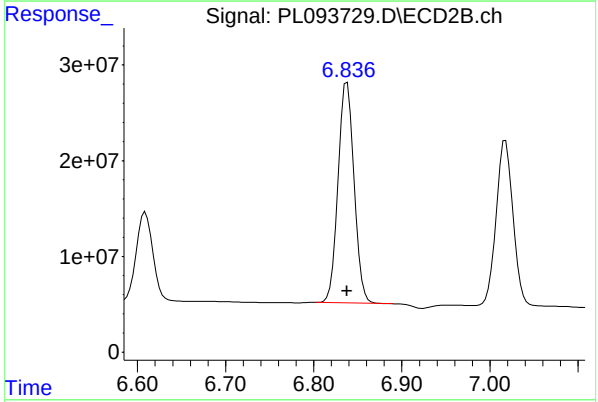
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 122564991
Conc: 71.31 ng/ml



#21 Endrin ketone

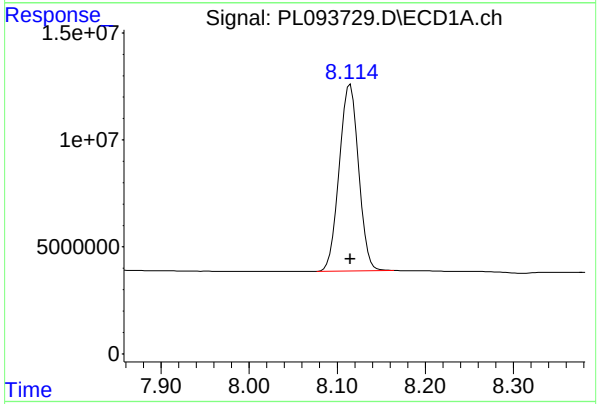
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 165416371
Conc: 71.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



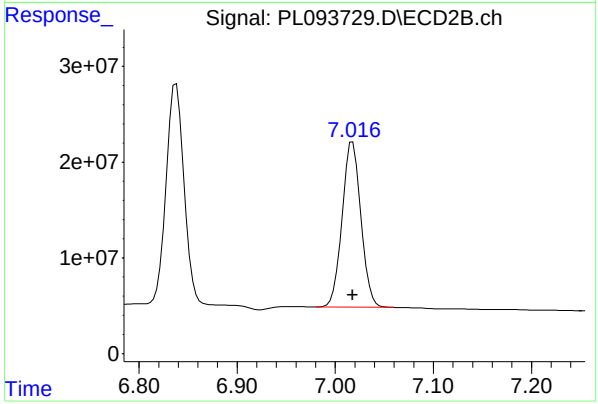
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 291141748
Conc: 71.32 ng/ml



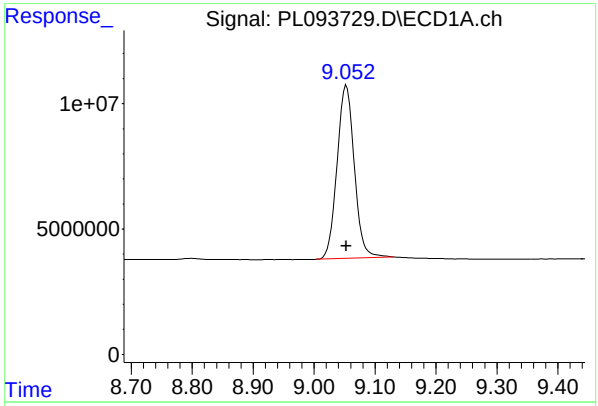
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 133645314
Conc: 71.59 ng/ml



#22 Mirex

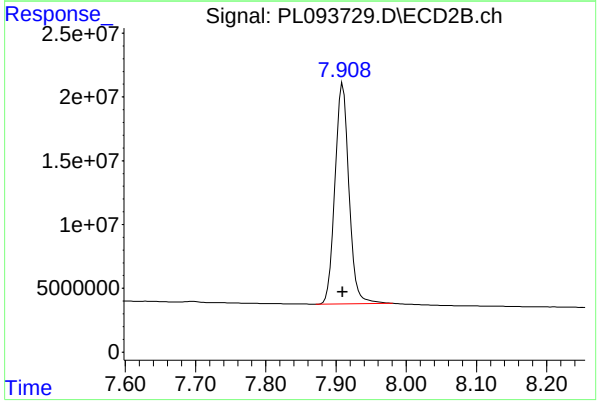
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 229698971
Conc: 71.52 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 136236362
Conc: 71.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 239534634
Conc: 71.52 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093730.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:24
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 13:53:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.539	2.774	137.0E6	171.9E6	50.000	50.000
28)	SA Decachlor...	9.053	7.910	104.9E6	181.4E6	50.000	50.000
	Target Compounds						
2)	A alpha-BHC	3.995	3.277	195.9E6	263.6E6	50.000	50.000
3)	MA gamma-BHC...	4.327	3.607	188.4E6	254.2E6	50.000	50.000
4)	MA Heptachlor	4.914	3.945	166.3E6	246.2E6	50.000	50.000
5)	MB Aldrin	5.256	4.225	164.6E6	242.8E6	50.000	50.000
6)	B beta-BHC	4.525	3.907	80914447	103.6E6	50.000	50.000
7)	B delta-BHC	4.772	4.136	180.3E6	254.9E6	50.000	50.000
8)	B Heptachlo...	5.682	4.727	147.7E6	221.2E6	50.000	50.000
9)	A Endosulfan I	6.067	5.096	131.9E6	205.0E6	50.000	50.000
10)	B gamma-Chl...	5.938	4.977	140.8E6	224.2E6	50.000	50.000
11)	B alpha-Chl...	6.017	5.040	139.4E6	221.2E6	50.000	50.000
12)	B 4,4'-DDE	6.191	5.230	124.5E6	212.7E6	50.000	50.000
13)	MA Dieldrin	6.343	5.361	139.4E6	227.7E6	50.000	50.000
14)	MA Endrin	6.572	5.636	118.2E6	193.5E6	50.000	50.000
15)	B Endosulfa...	6.792	5.931	120.7E6	195.6E6	50.000	50.000
16)	A 4,4'-DDD	6.708	5.784	96633741	169.0E6	50.000	50.000
17)	MA 4,4'-DDT	7.022	6.034	100.8E6	177.1E6	50.000	50.000
18)	B Endrin al...	6.923	6.110	97948460	159.2E6	50.000	50.000
19)	B Endosulfa...	7.157	6.333	112.4E6	187.9E6	50.000	50.000
20)	A Methoxychlor	7.498	6.609	54018493	93520516	50.000	50.000
21)	B Endrin ke...	7.642	6.839	127.0E6	220.0E6	50.000	50.000
22)	Mirex	8.115	7.018	103.3E6	173.7E6	50.000	50.000

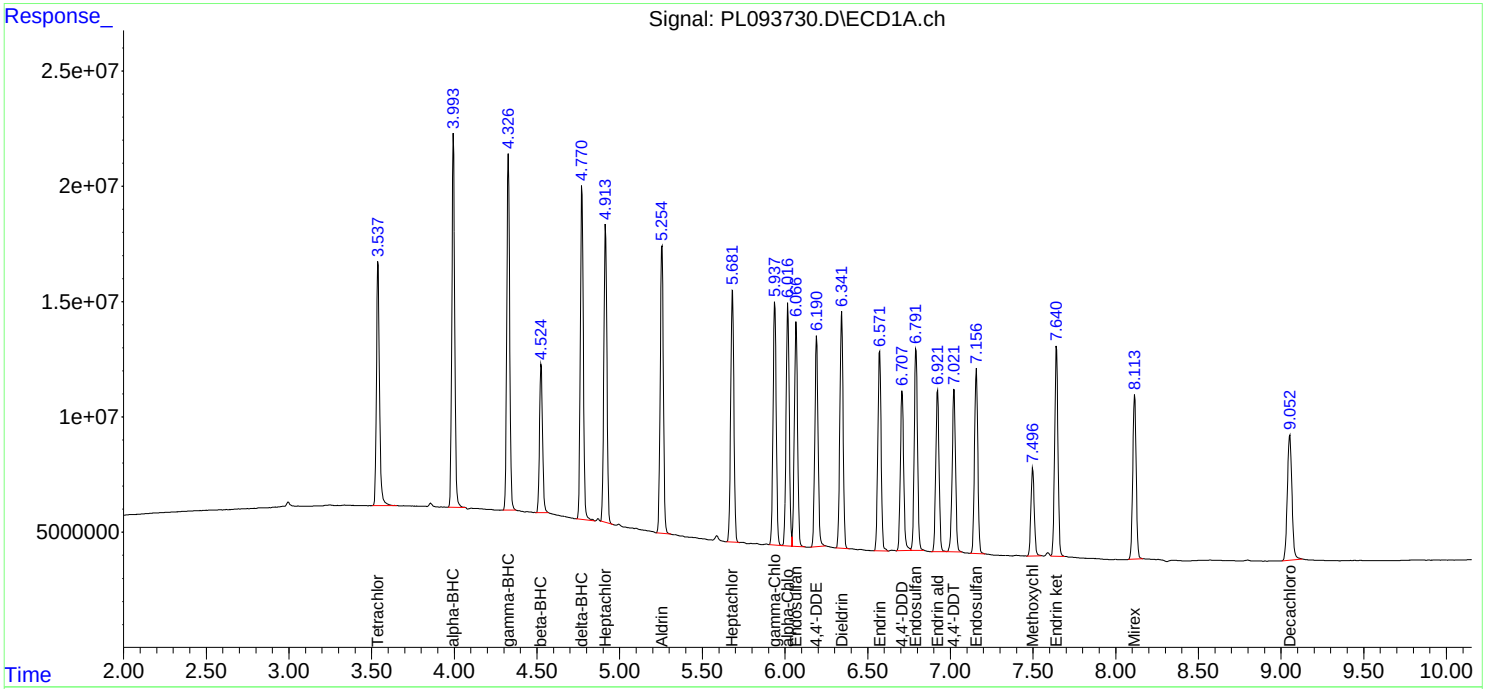
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

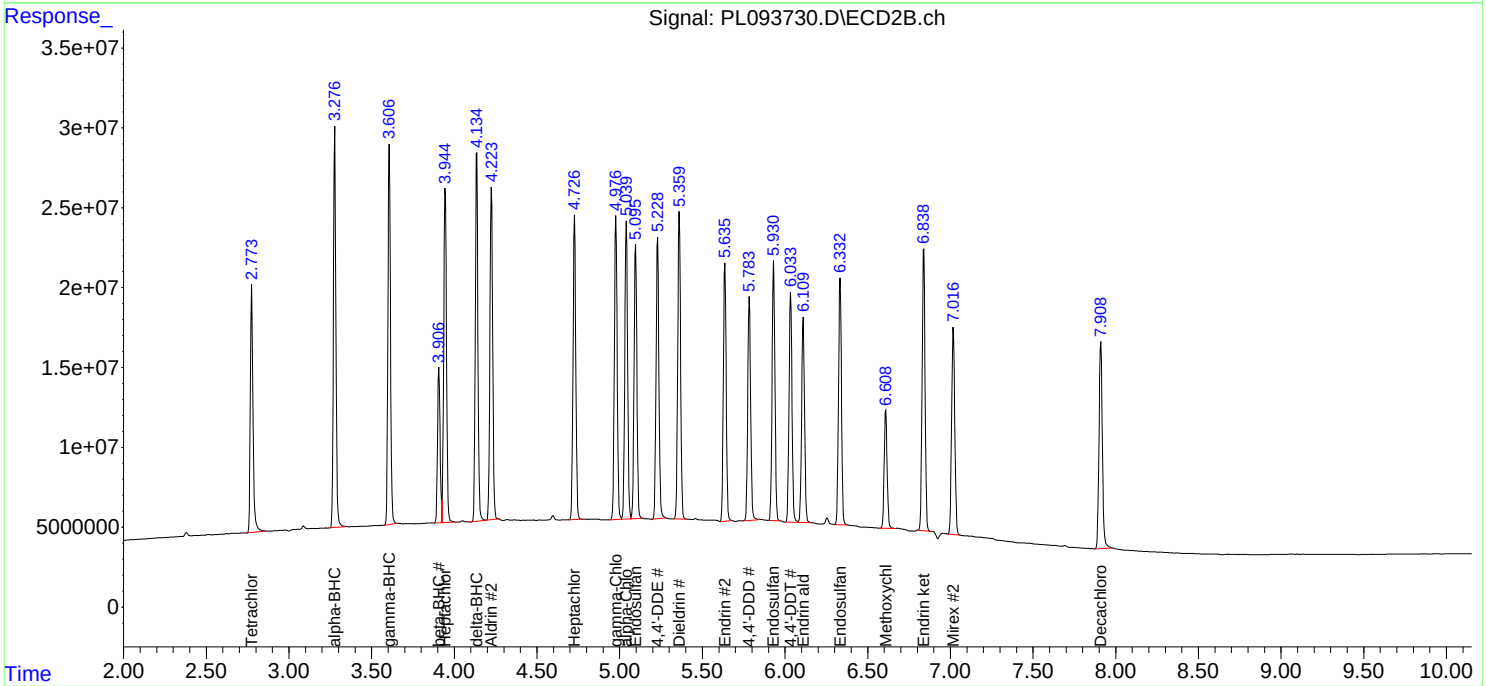
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093730.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:24
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

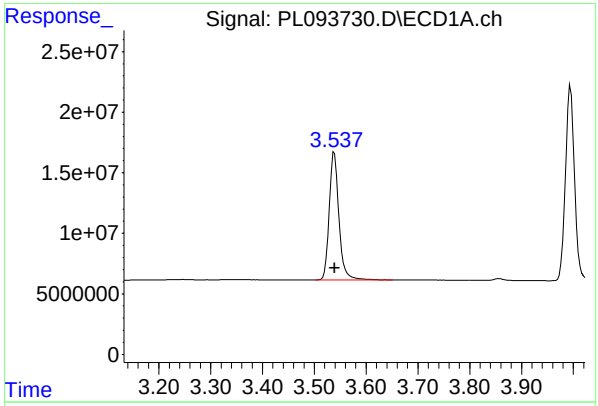
Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 13:53:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



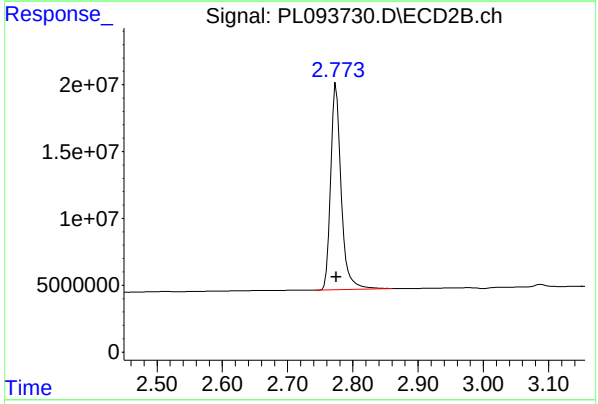




#1 Tetrachloro-m-xylene

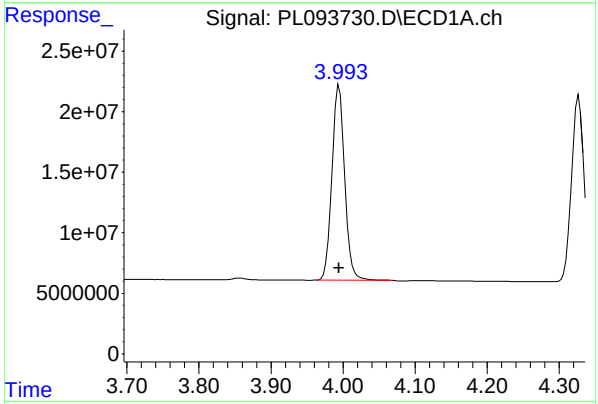
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 137001991
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



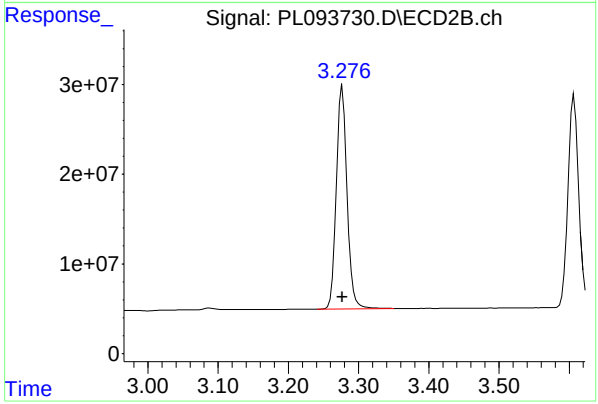
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 171861595
Conc: 50.00 ng/ml



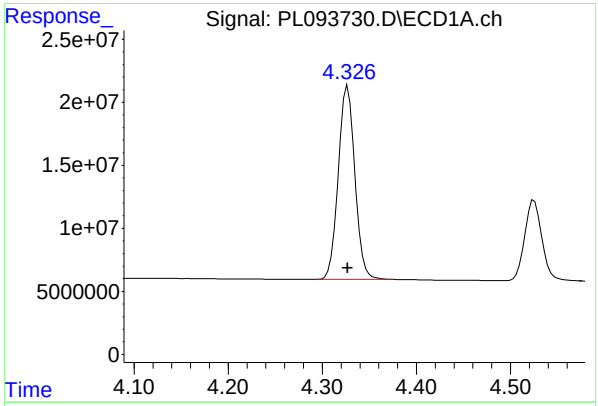
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 195905536
Conc: 50.00 ng/ml



#2 alpha-BHC

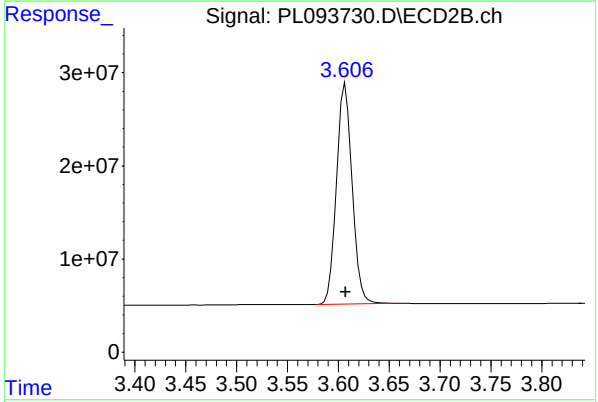
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 263554029
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

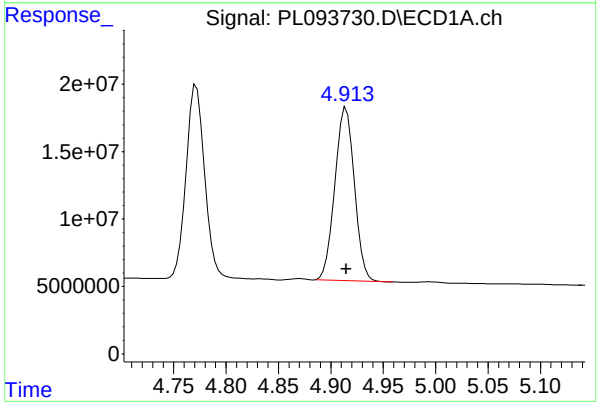
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 188362613
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



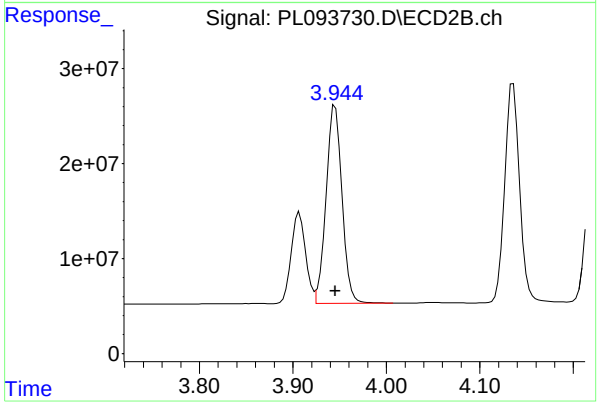
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 254230505
Conc: 50.00 ng/ml



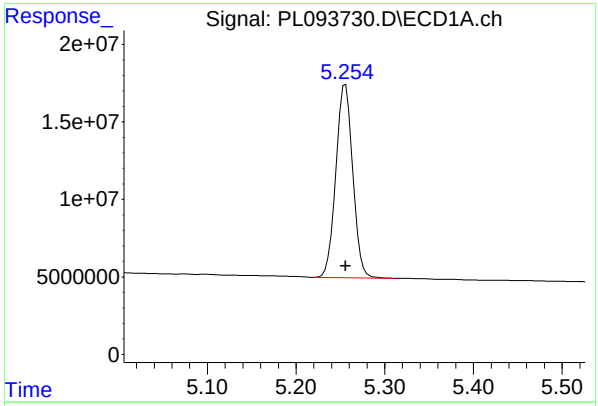
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 166264355
Conc: 50.00 ng/ml



#4 Heptachlor

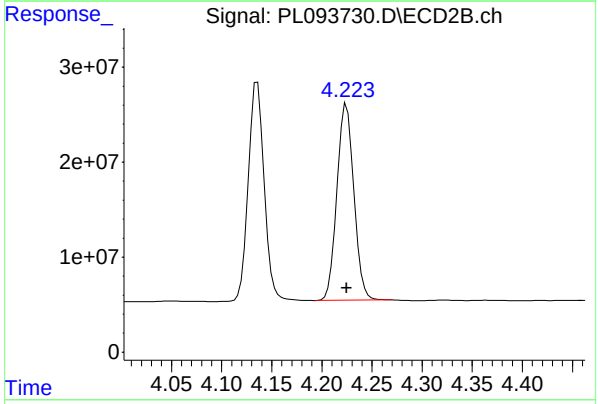
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 246242003
Conc: 50.00 ng/ml



#5 Aldrin

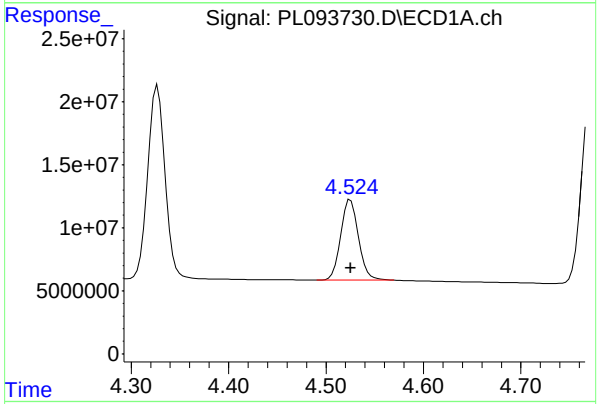
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 164631568
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



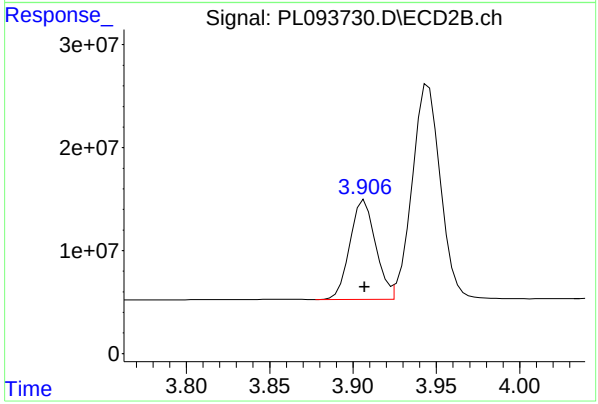
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: 0.000 min
Response: 242826175
Conc: 50.00 ng/ml



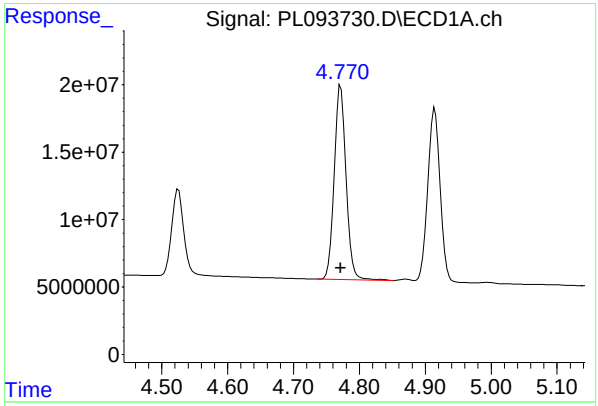
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 80914447
Conc: 50.00 ng/ml



#6 beta-BHC

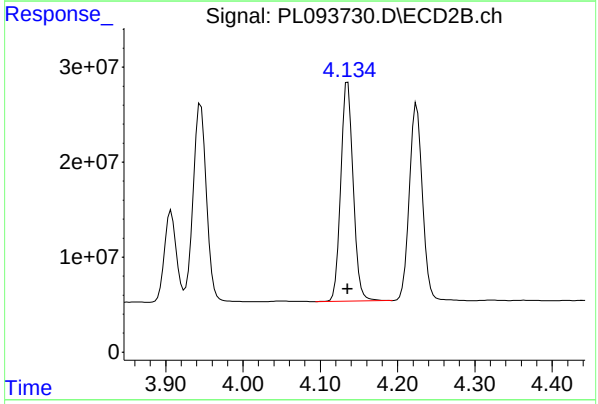
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 103608976
Conc: 50.00 ng/ml



#7 delta-BHC

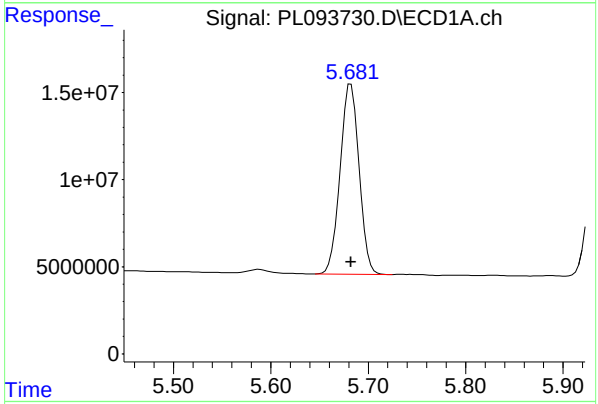
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 180293977
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



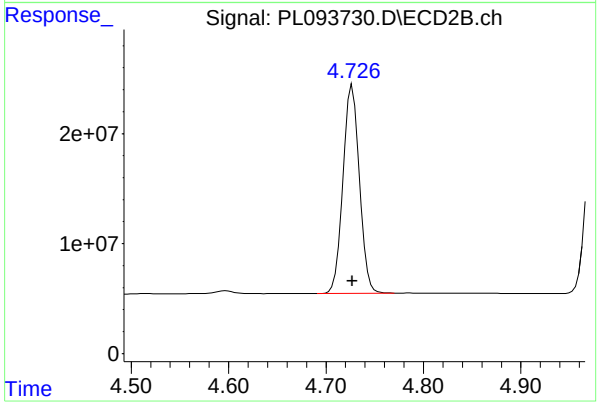
#7 delta-BHC

R.T.: 4.136 min
Delta R.T.: 0.000 min
Response: 254940473
Conc: 50.00 ng/ml



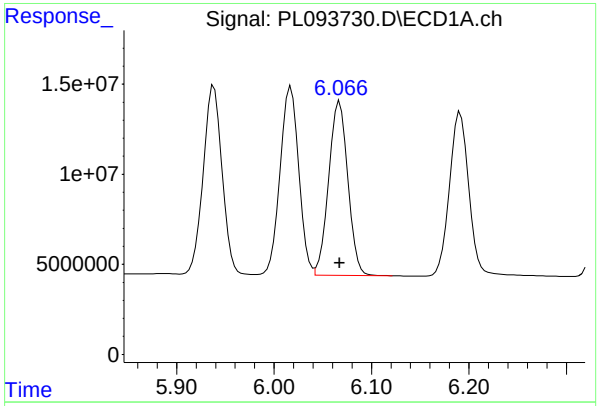
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 147681633
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

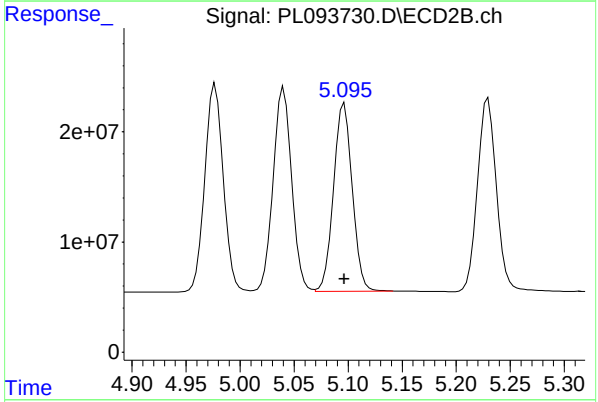
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 221208450
Conc: 50.00 ng/ml



#9 Endosulfan I

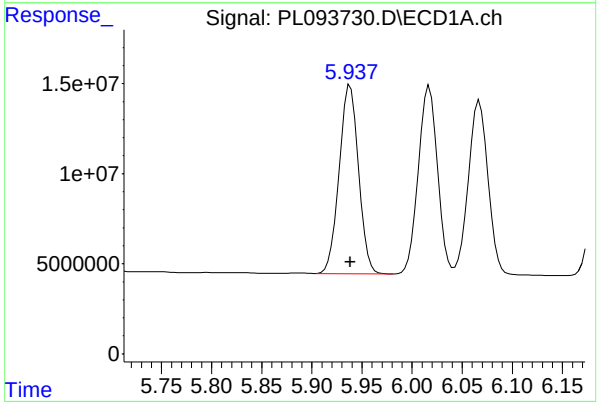
R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 131853108
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



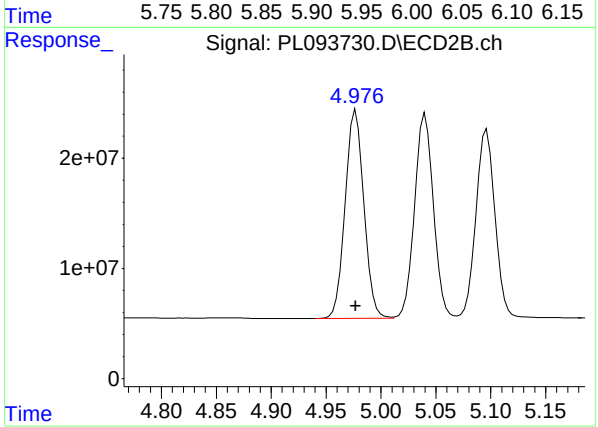
#9 Endosulfan I

R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 204951644
Conc: 50.00 ng/ml



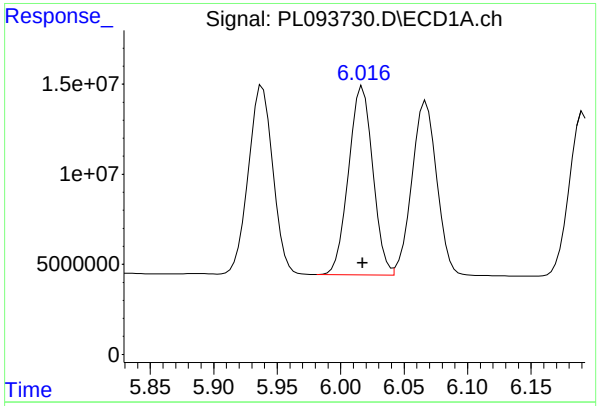
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 140781558
Conc: 50.00 ng/ml



#10 gamma-Chlordane

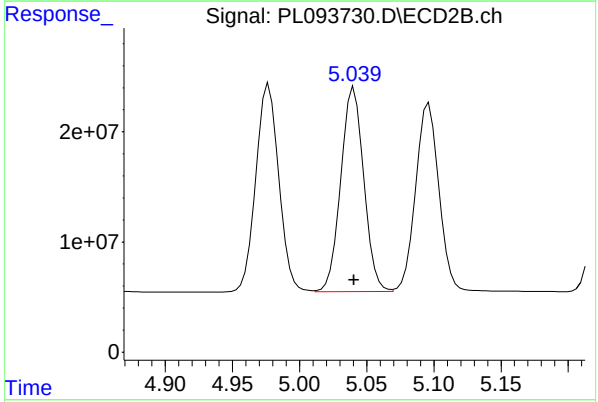
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 224150330
Conc: 50.00 ng/ml



#11 alpha-Chlordane

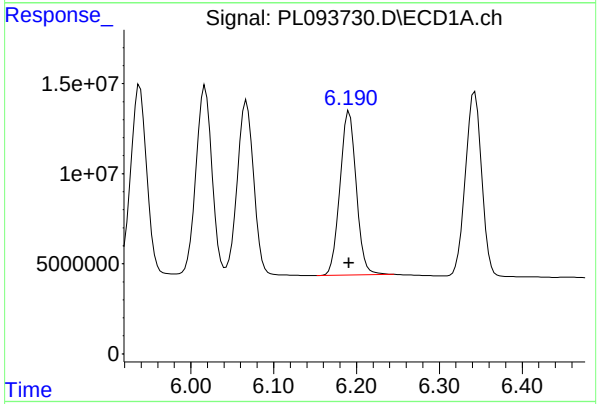
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 139410024
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



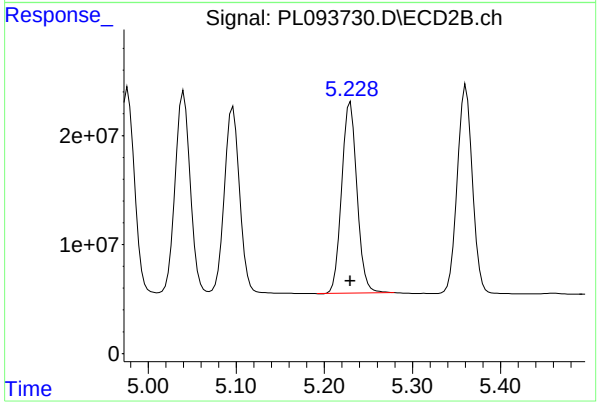
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 221205596
Conc: 50.00 ng/ml



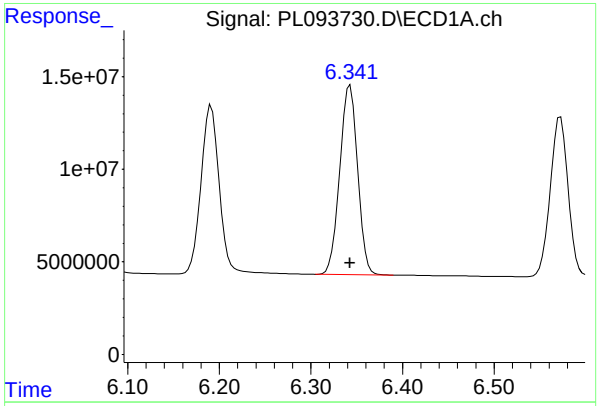
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 124454141
Conc: 50.00 ng/ml



#12 4,4'-DDE

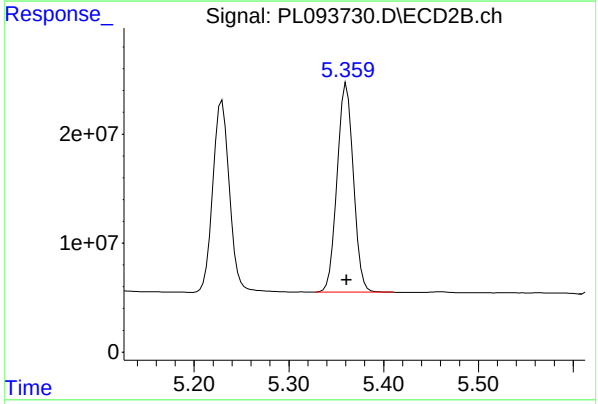
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 212682331
Conc: 50.00 ng/ml



#13 Dieldrin

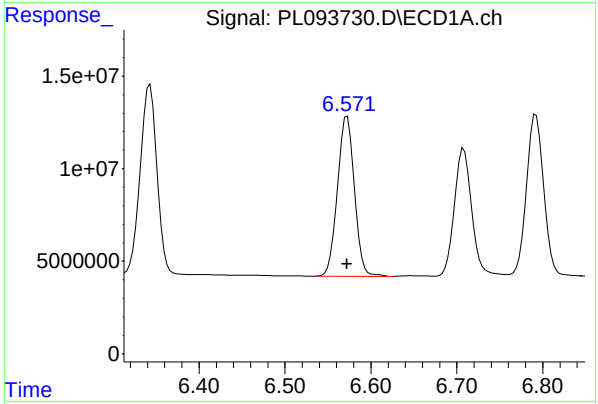
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 139409444
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



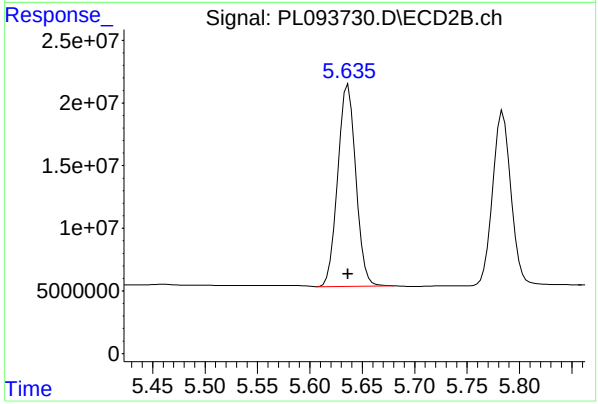
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 227678389
Conc: 50.00 ng/ml



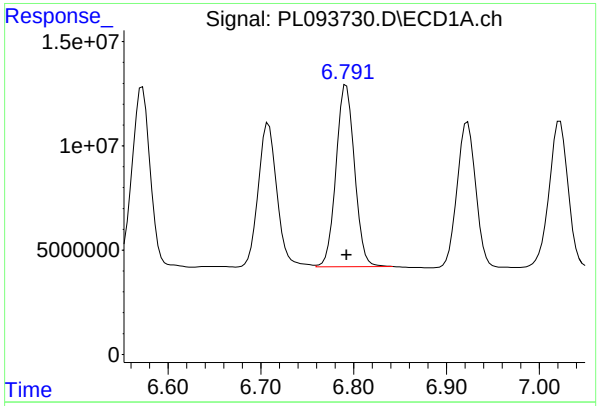
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 118161114
Conc: 50.00 ng/ml



#14 Endrin

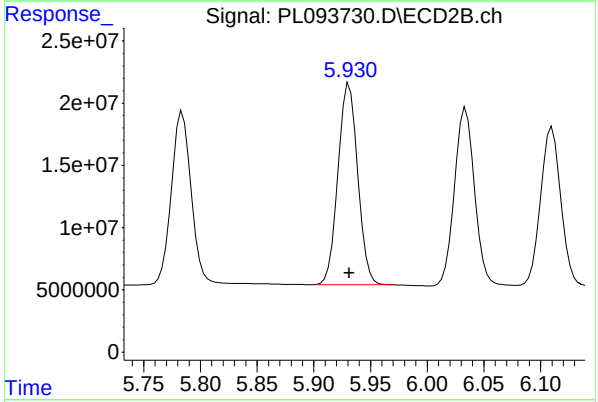
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 193536252
Conc: 50.00 ng/ml



#15 Endosulfan II

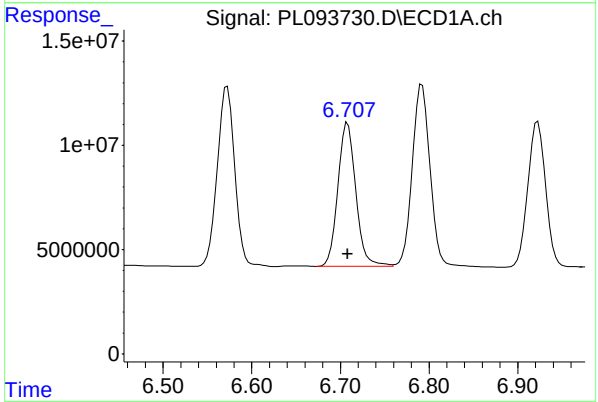
R.T.: 6.792 min
Delta R.T.: 0.000 min
Response: 120697329
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



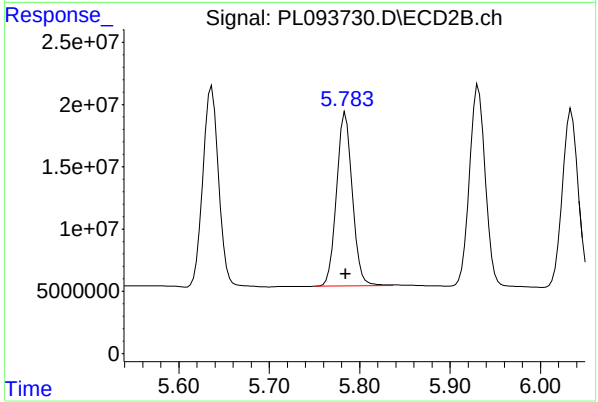
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 195648200
Conc: 50.00 ng/ml



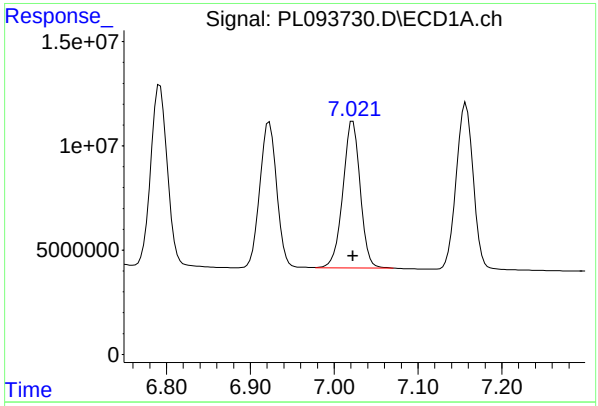
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.000 min
Response: 96633741
Conc: 50.00 ng/ml



#16 4,4'-DDD

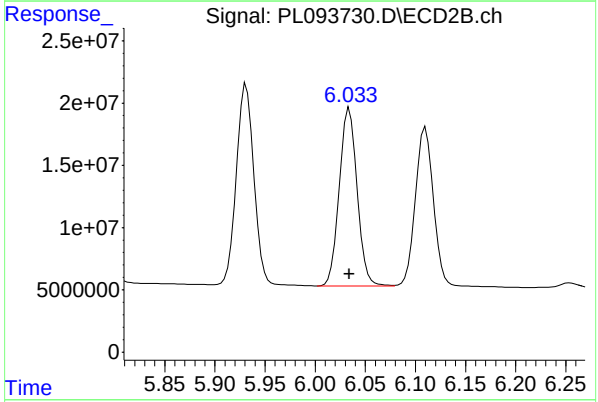
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 168957879
Conc: 50.00 ng/ml



#17 4,4'-DDT

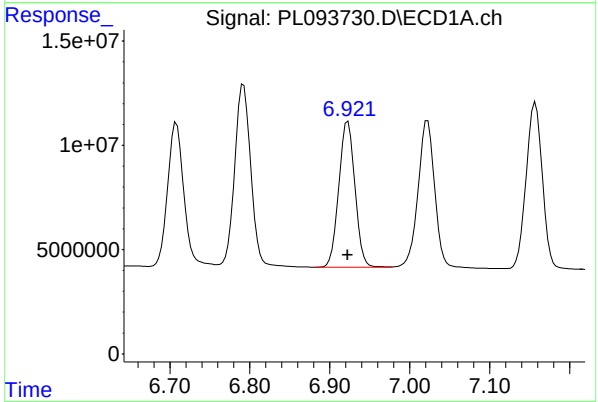
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 100835874
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



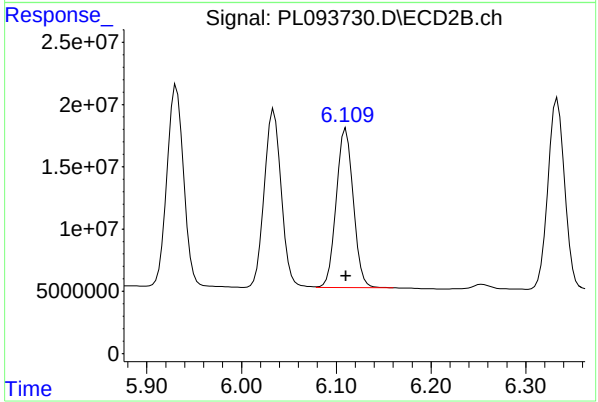
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 177142802
Conc: 50.00 ng/ml



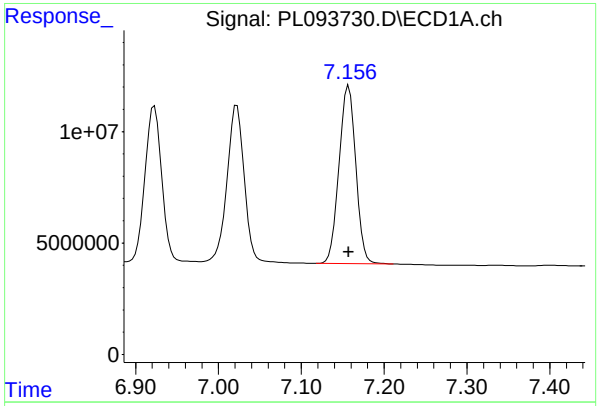
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 97948460
Conc: 50.00 ng/ml



#18 Endrin aldehyde

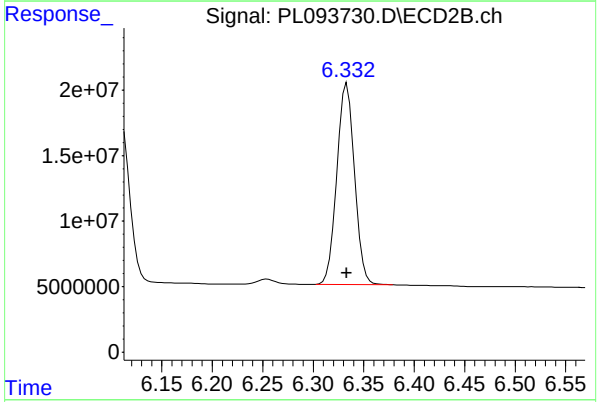
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 159171518
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

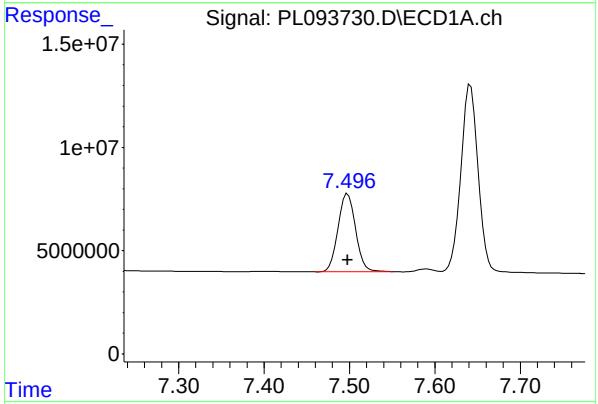
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 112428845
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



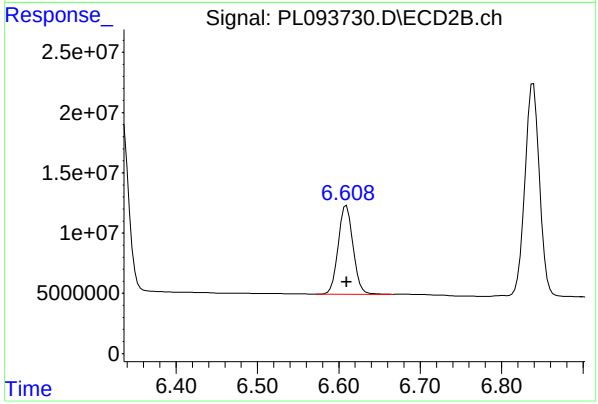
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 187851270
Conc: 50.00 ng/ml



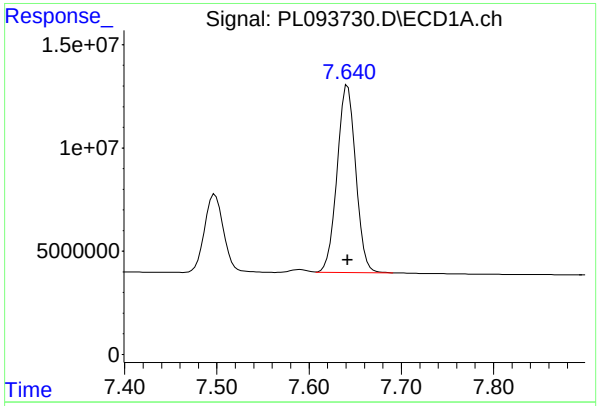
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 54018493
Conc: 50.00 ng/ml



#20 Methoxychlor

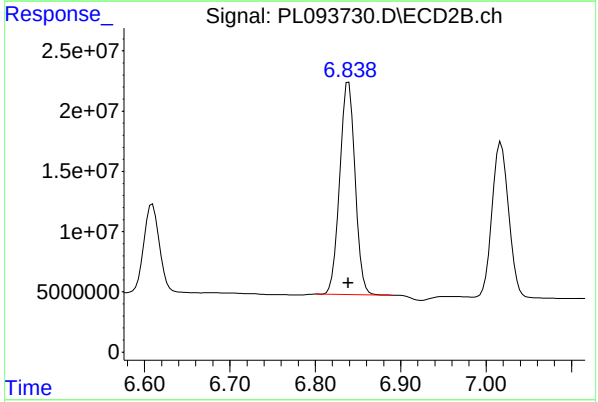
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 93520516
Conc: 50.00 ng/ml



#21 Endrin ketone

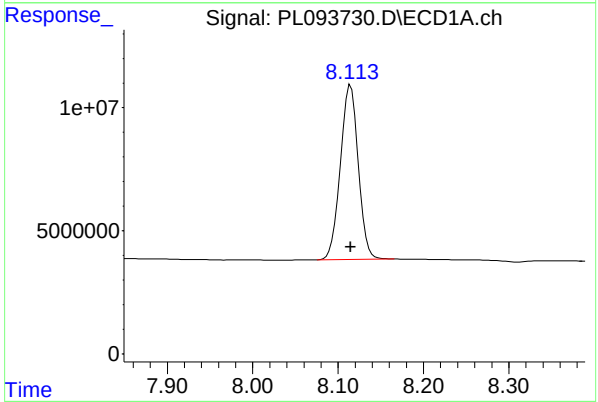
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 126985241
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



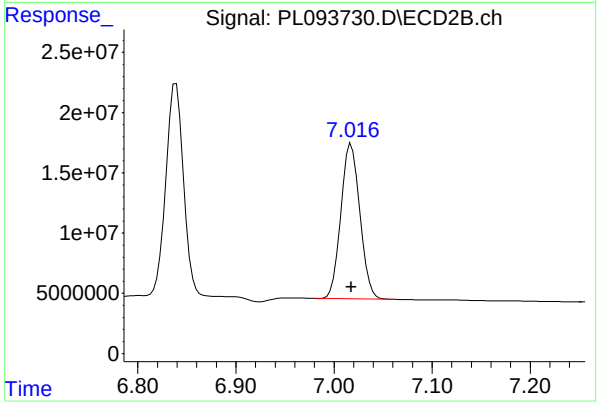
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 220004203
Conc: 50.00 ng/ml



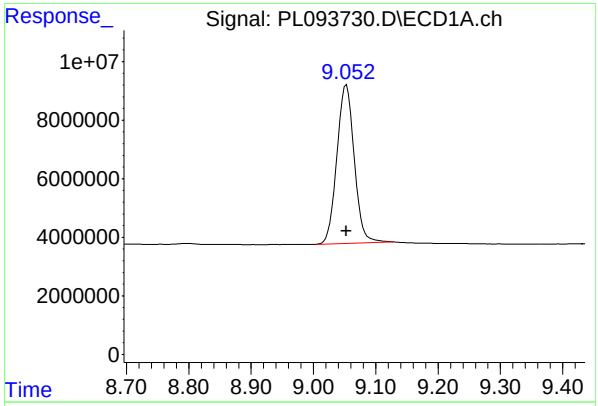
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 103275089
Conc: 50.00 ng/ml



#22 Mirex

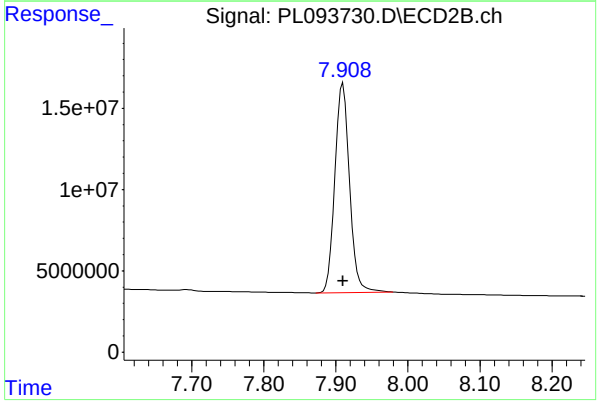
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 173654301
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 104915987
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 181351234
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093731.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:38
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 13:59:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.539	2.774	64887383	76654930	25.606	24.213
28)	SA Decachlor...	9.052	7.909	50461717	83015469	26.208	24.840
	Target Compounds						
2)	A alpha-BHC	3.995	3.276	89070727	112.0E6	24.556	23.055
3)	MA gamma-BHC...	4.327	3.607	86520755	109.6E6	24.821	23.349
4)	MA Heptachlor	4.914	3.945	78602546	108.6E6	25.575	23.892
5)	MB Aldrin	5.256	4.224	77491525	105.6E6	25.379	23.546
6)	B beta-BHC	4.525	3.907	37722252	47243605	25.509	24.644
7)	B delta-BHC	4.772	4.135	82584367	109.2E6	24.767	23.218
8)	B Heptachlo...	5.683	4.726	70895850	98198954	25.936	24.060
9)	A Endosulfan I	6.068	5.096	63215335	90882897	25.885	24.027
10)	B gamma-Chl...	5.939	4.976	66959715	98387231	25.700	23.747
11)	B alpha-Chl...	6.017	5.040	66664408	97870181	25.711	23.932
12)	B 4,4'-DDE	6.191	5.229	58039701	93725344	25.344	23.876
13)	MA Dieldrin	6.343	5.360	65983515	98970864	25.563	23.595
14)	MA Endrin	6.572	5.636	55464000	85153560	25.436	23.710
15)	B Endosulfa...	6.793	5.931	57195569	87112831	25.745	24.134
16)	A 4,4'-DDD	6.708	5.784	45068086	72761634	25.477	23.324
17)	MA 4,4'-DDT	7.022	6.034	47678056	76172310	25.612	23.370
18)	B Endrin al...	6.923	6.110	47414192	72307343	26.251	24.600
19)	B Endosulfa...	7.157	6.333	54762628	83706831	26.369	24.145
20)	A Methoxychlor	7.498	6.609	25502321	41095325	25.958	24.173
21)	B Endrin ke...	7.642	6.838	60347677	97684233	25.801	24.188
22)	Mirex	8.115	7.018	50874505	81084696	26.652	25.185

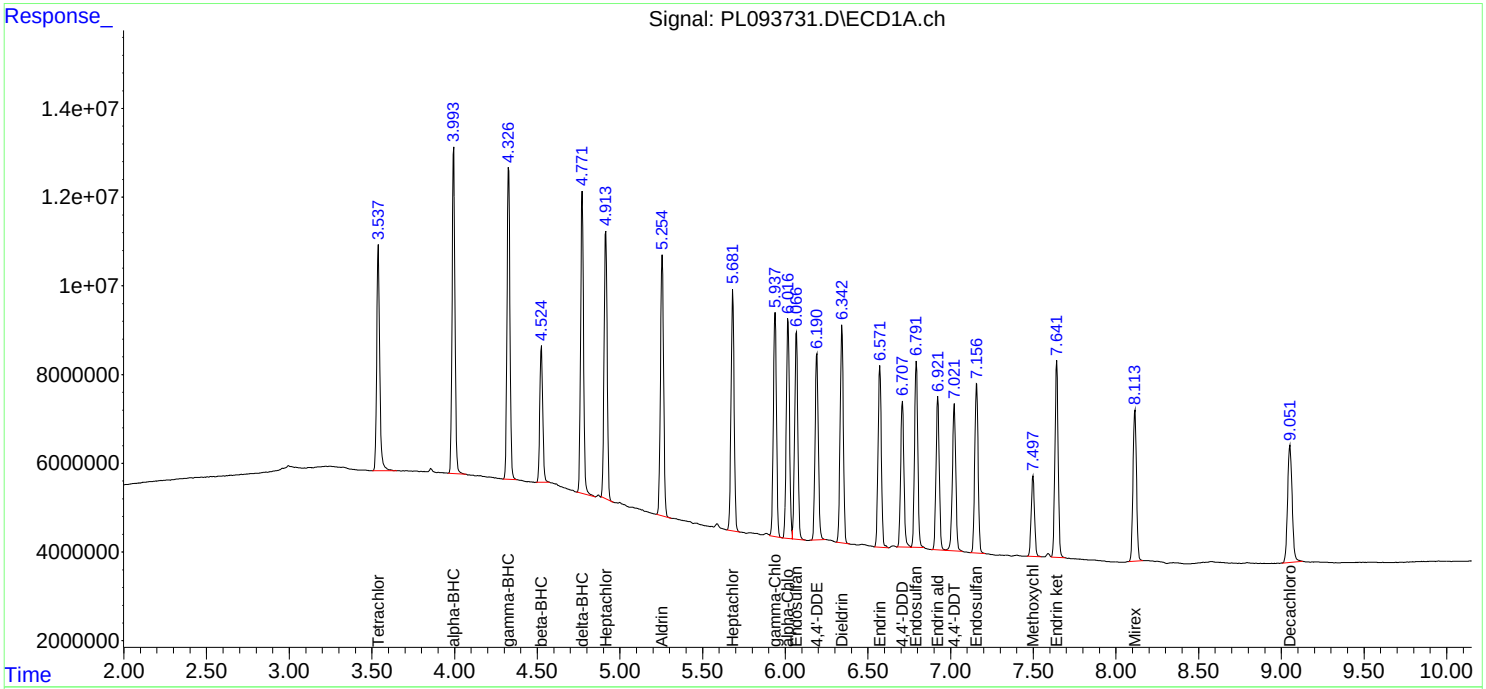
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

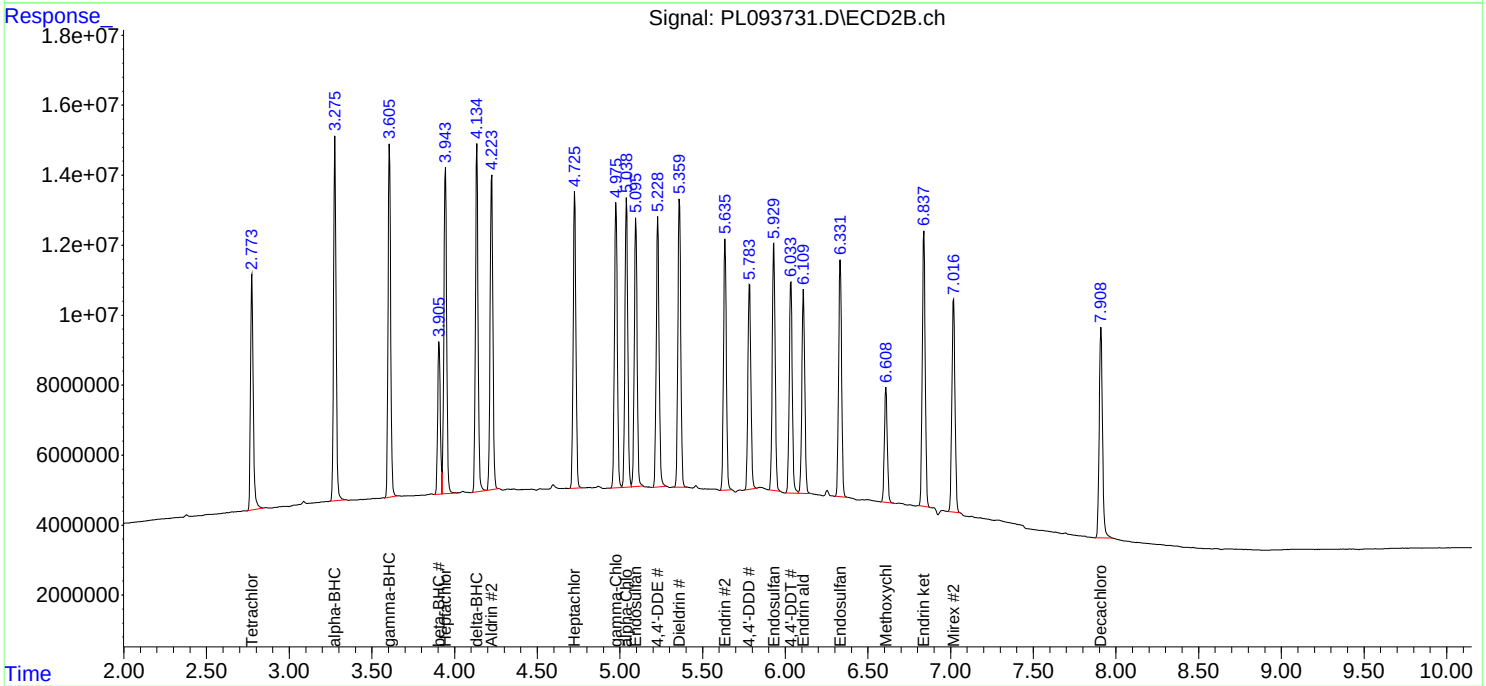
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093731.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:38
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

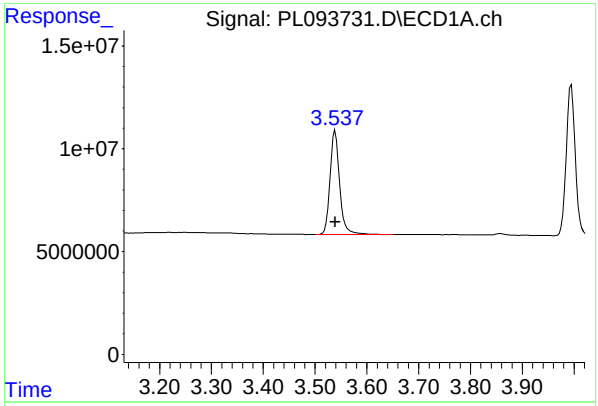
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 13:59:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



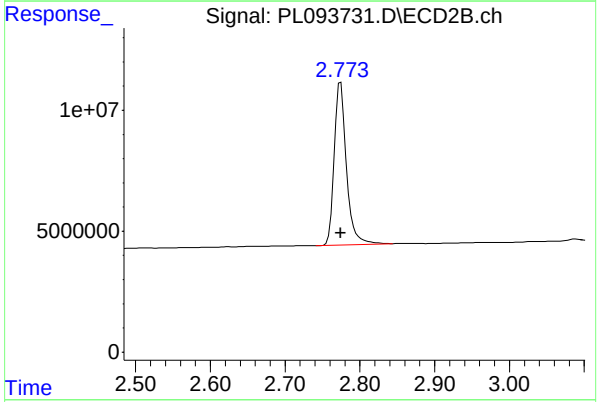




#1 Tetrachloro-m-xylene

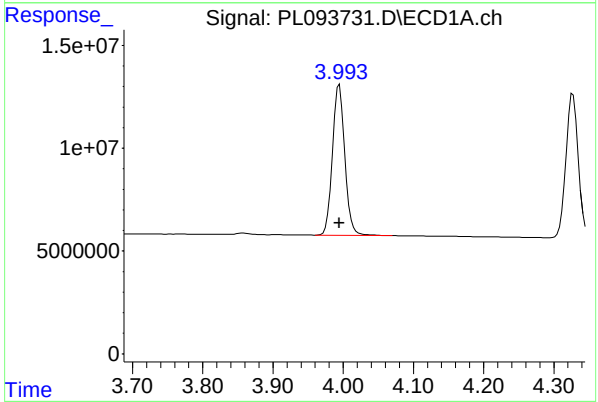
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 64887383
Conc: 25.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



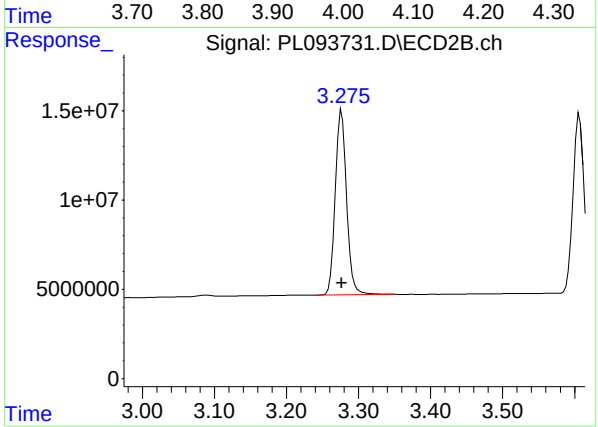
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 76654930
Conc: 24.21 ng/ml



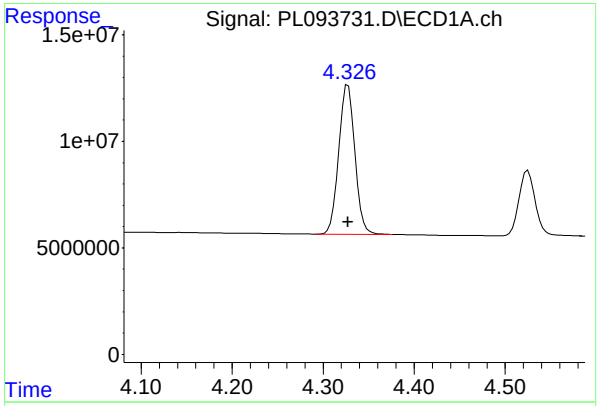
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 89070727
Conc: 24.56 ng/ml



#2 alpha-BHC

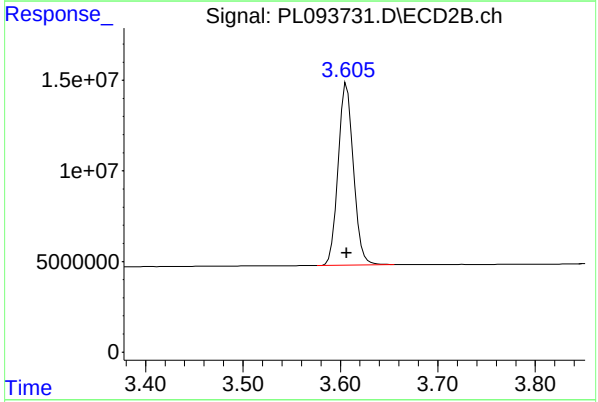
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 112018157
Conc: 23.06 ng/ml



#3 gamma-BHC (Lindane)

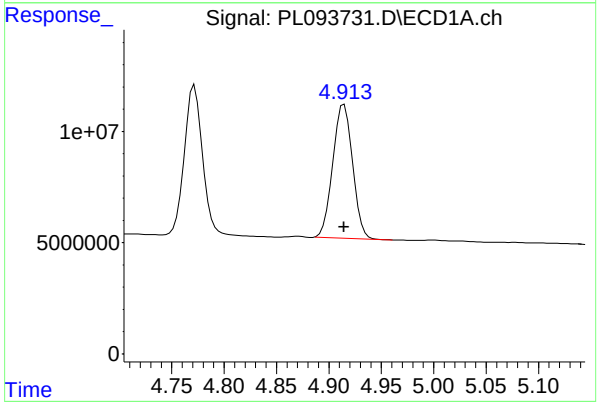
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 86520755
Conc: 24.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



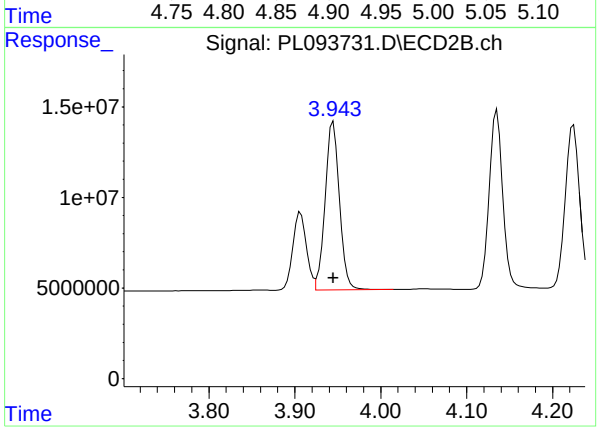
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 109620260
Conc: 23.35 ng/ml



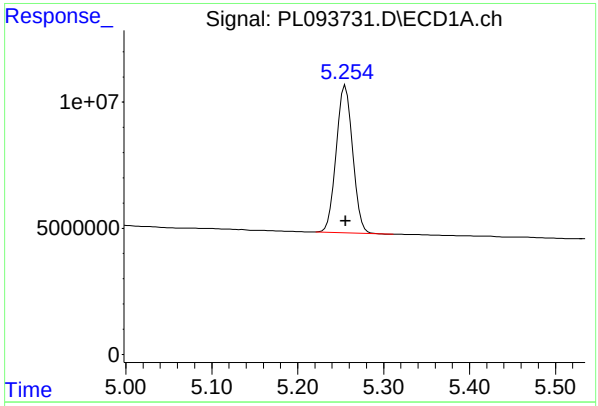
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 78602546
Conc: 25.58 ng/ml



#4 Heptachlor

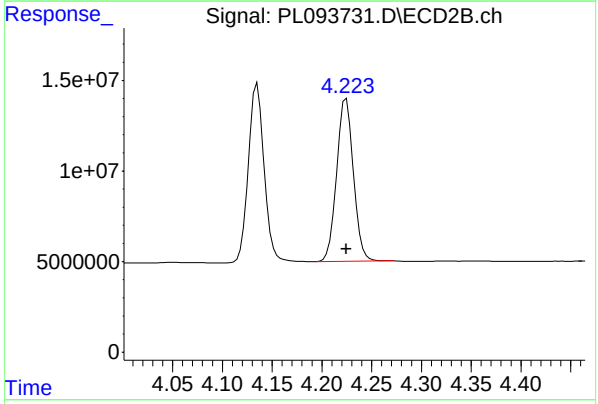
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 108649410
Conc: 23.89 ng/ml



#5 Aldrin

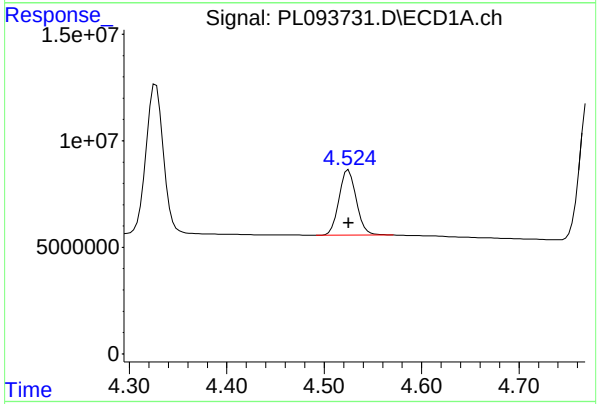
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 77491525
Conc: 25.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



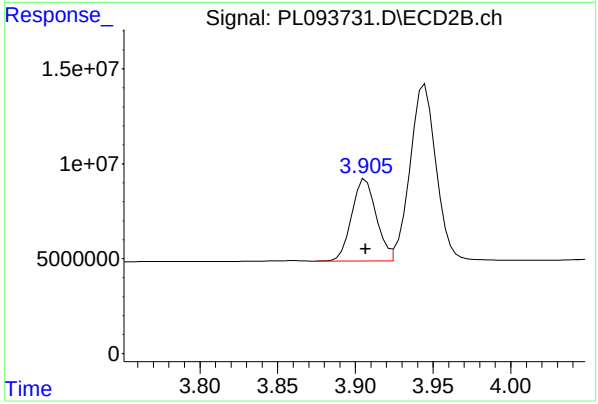
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 105561790
Conc: 23.55 ng/ml



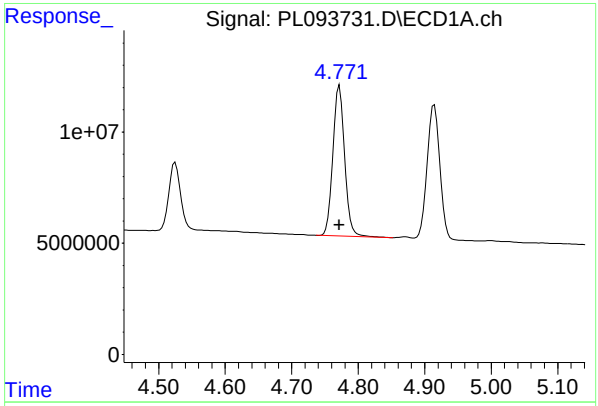
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 37722252
Conc: 25.51 ng/ml



#6 beta-BHC

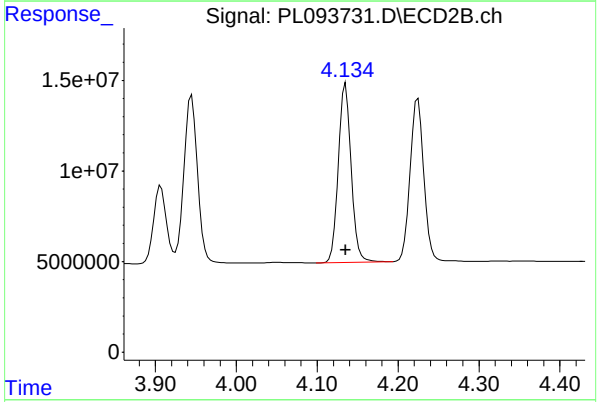
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 47243605
Conc: 24.64 ng/ml



#7 delta-BHC

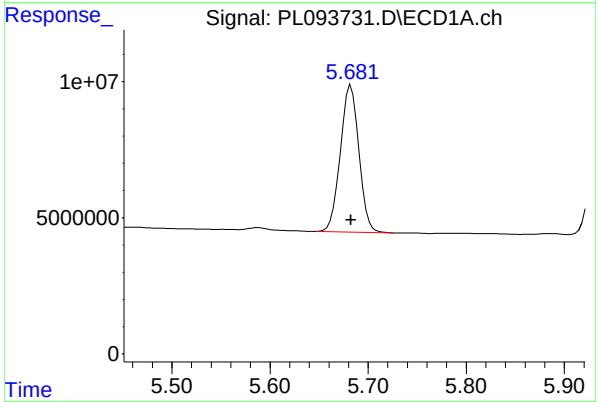
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 82584367
Conc: 24.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



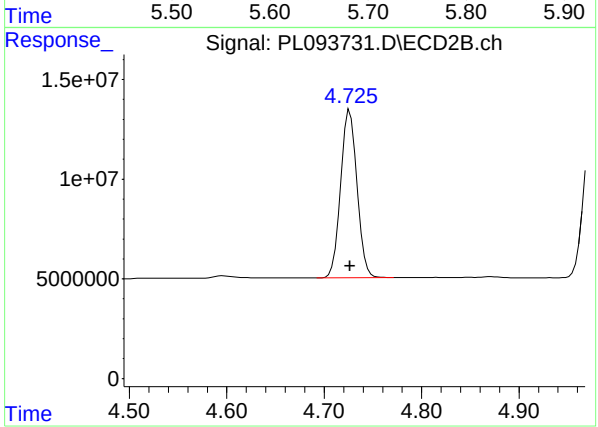
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 109220381
Conc: 23.22 ng/ml



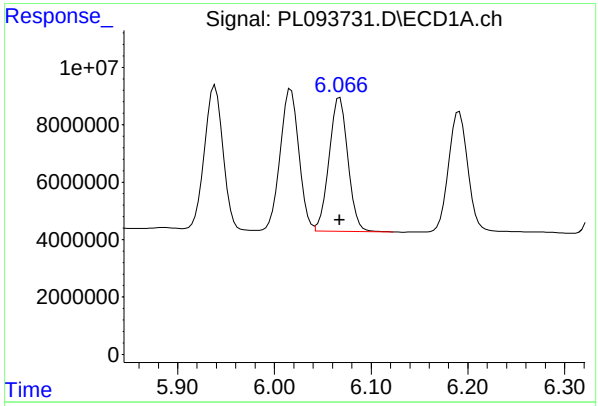
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 70895850
Conc: 25.94 ng/ml



#8 Heptachlor epoxide

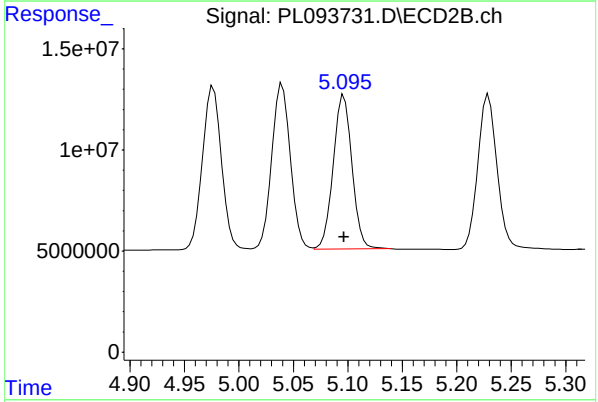
R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 98198954
Conc: 24.06 ng/ml



#9 Endosulfan I

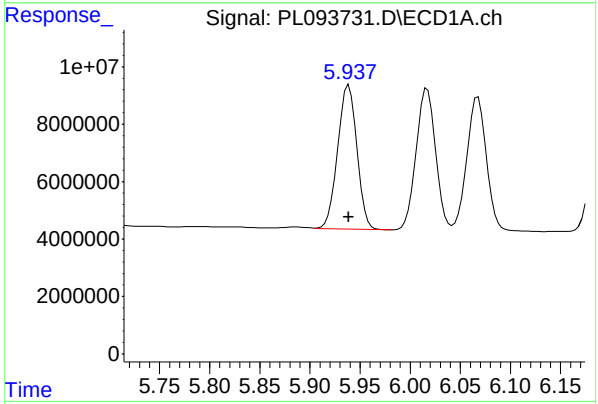
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 63215335
Conc: 25.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



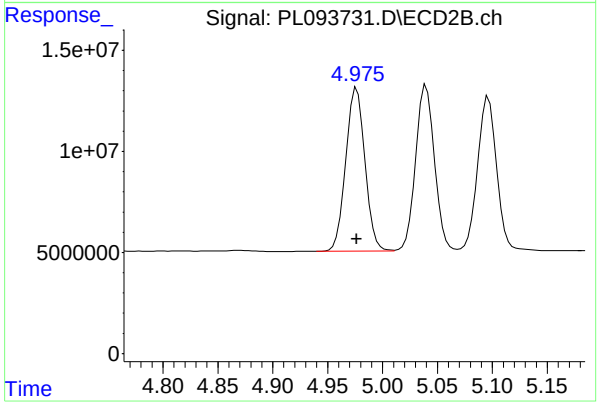
#9 Endosulfan I

R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 90882897
Conc: 24.03 ng/ml



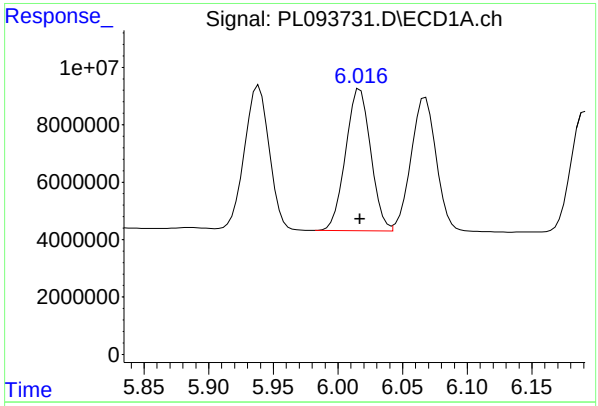
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 66959715
Conc: 25.70 ng/ml



#10 gamma-Chlordane

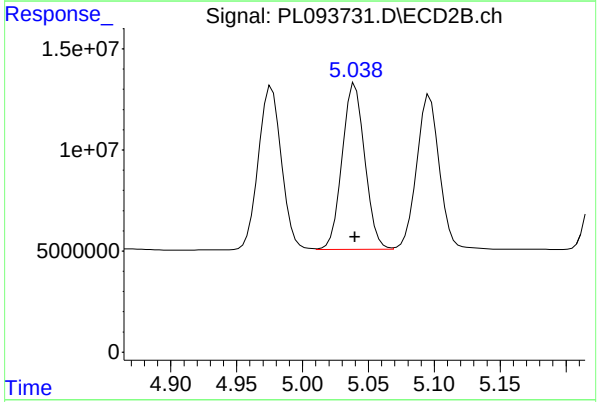
R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 98387231
Conc: 23.75 ng/ml



#11 alpha-Chlordane

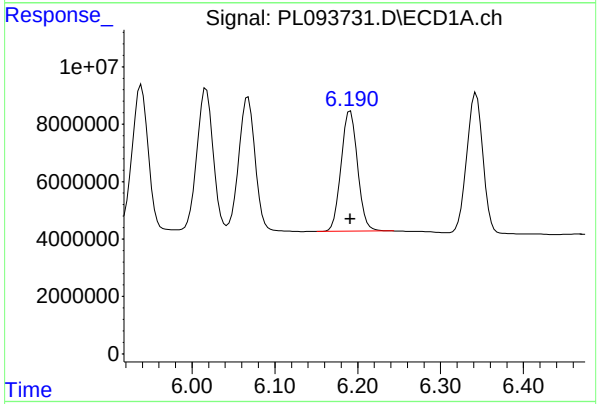
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 66664408
Conc: 25.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



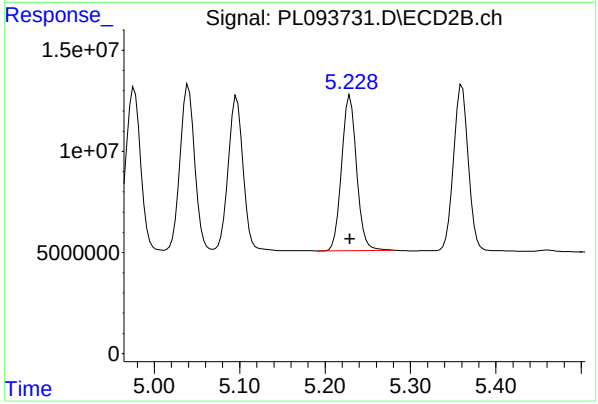
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 97870181
Conc: 23.93 ng/ml



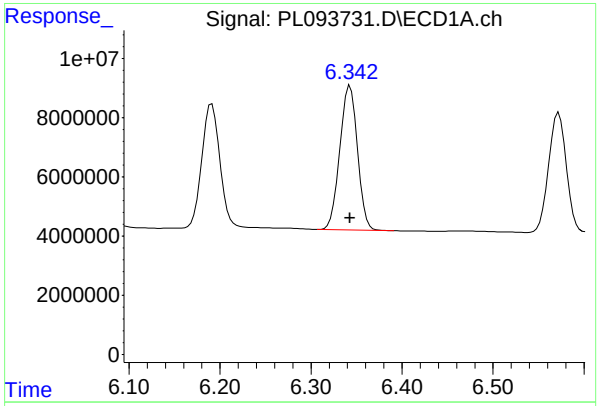
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 58039701
Conc: 25.34 ng/ml



#12 4,4'-DDE

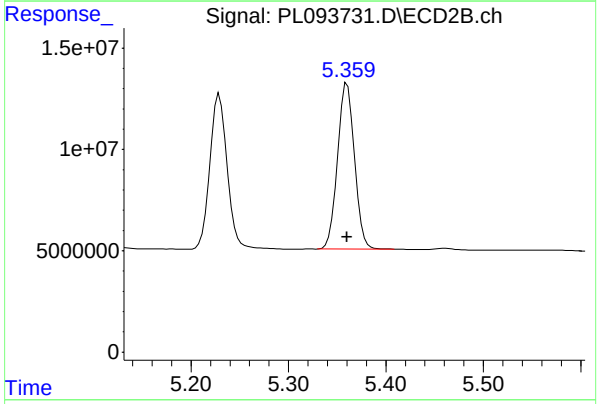
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 93725344
Conc: 23.88 ng/ml



#13 Dieldrin

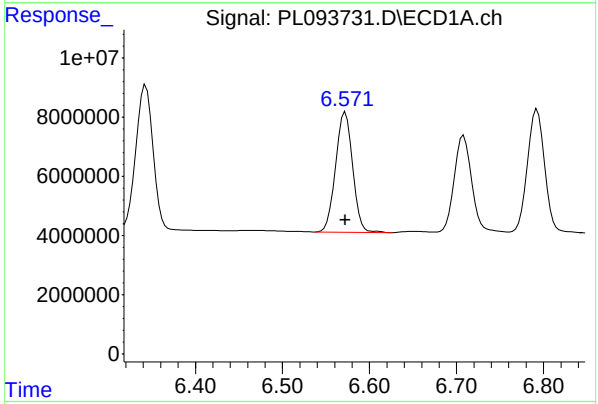
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 65983515
Conc: 25.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



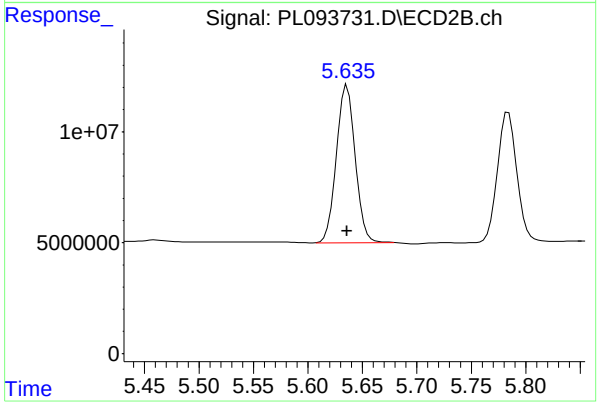
#13 Dieldrin

R.T.: 5.360 min
Delta R.T.: 0.000 min
Response: 98970864
Conc: 23.59 ng/ml



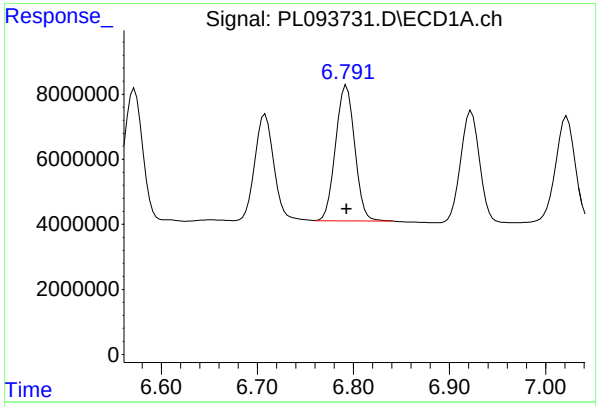
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 55464000
Conc: 25.44 ng/ml



#14 Endrin

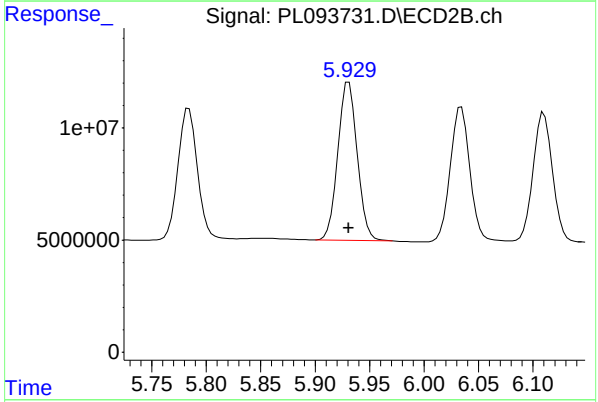
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 85153560
Conc: 23.71 ng/ml



#15 Endosulfan II

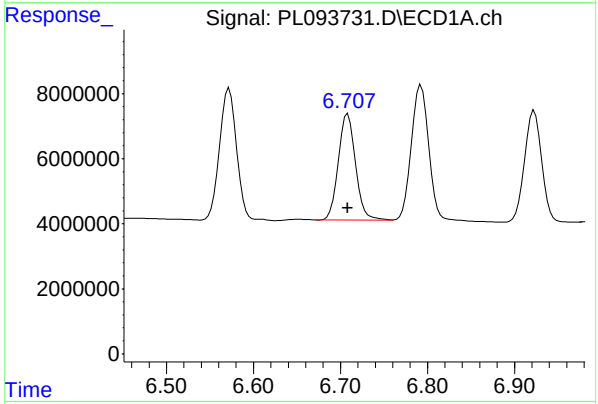
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 57195569
Conc: 25.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



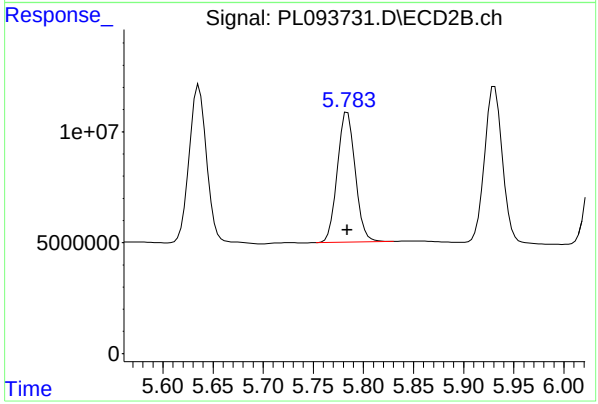
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 87112831
Conc: 24.13 ng/ml



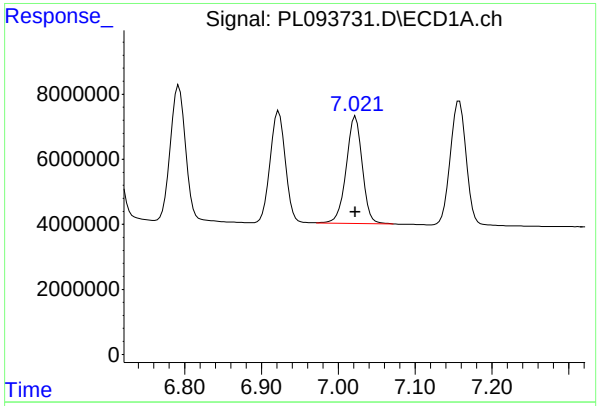
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.000 min
Response: 45068086
Conc: 25.48 ng/ml



#16 4,4'-DDD

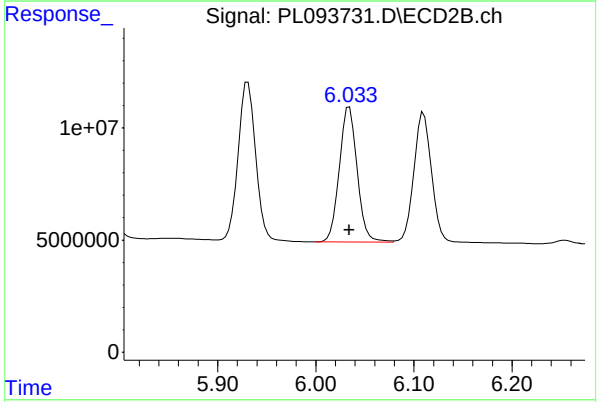
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 72761634
Conc: 23.32 ng/ml



#17 4,4'-DDT

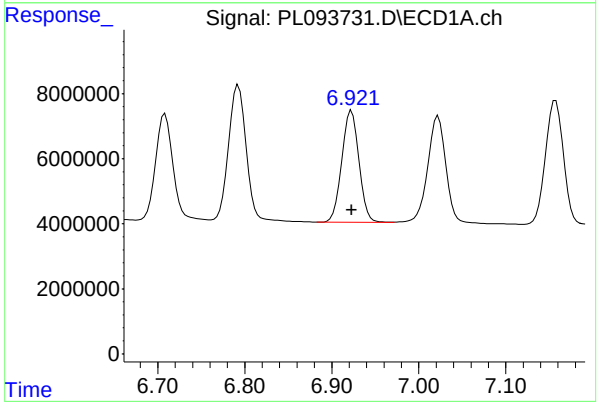
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 47678056
Conc: 25.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



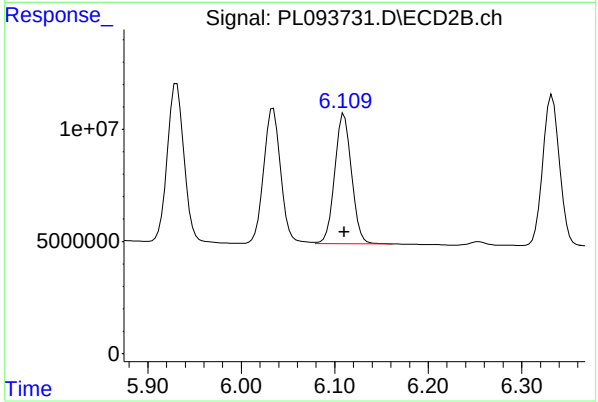
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 76172310
Conc: 23.37 ng/ml



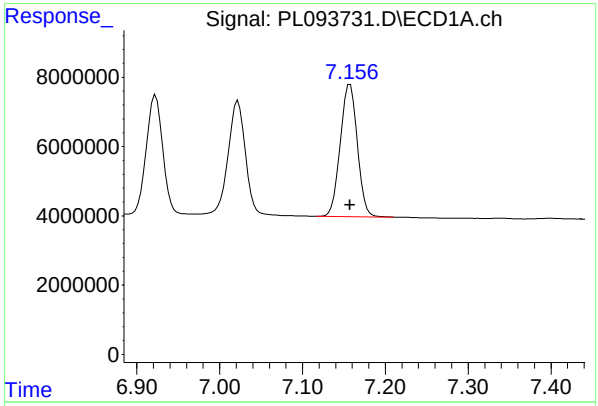
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 47414192
Conc: 26.25 ng/ml



#18 Endrin aldehyde

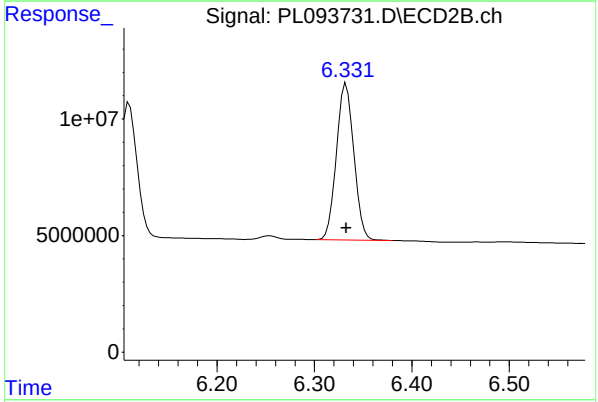
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 72307343
Conc: 24.60 ng/ml



#19 Endosulfan Sulfate

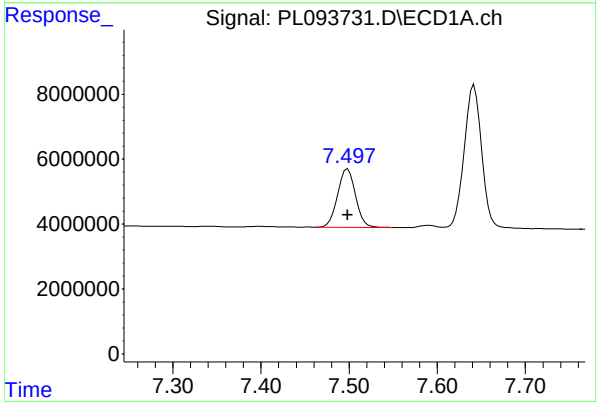
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 54762628
Conc: 26.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



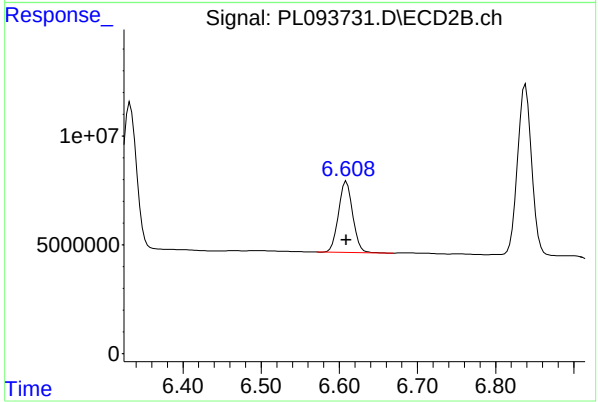
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 83706831
Conc: 24.15 ng/ml



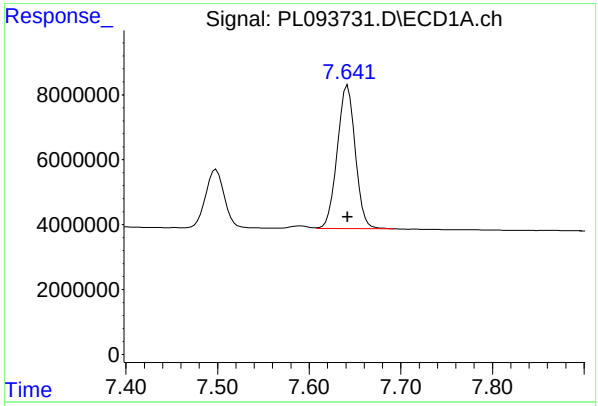
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 25502321
Conc: 25.96 ng/ml



#20 Methoxychlor

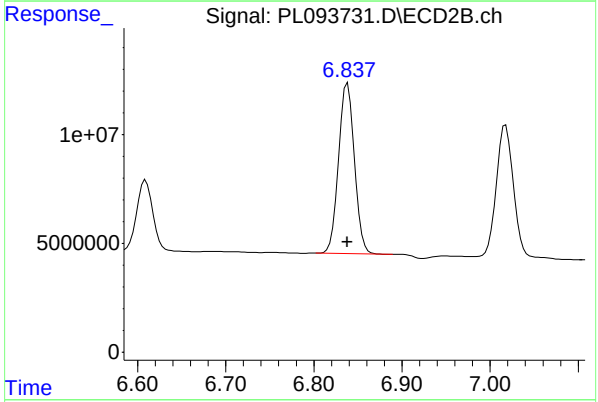
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 41095325
Conc: 24.17 ng/ml



#21 Endrin ketone

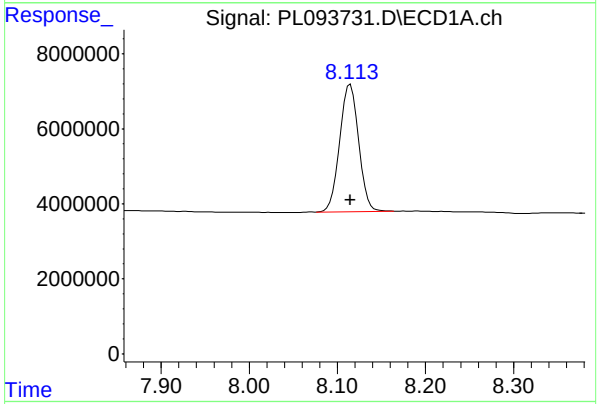
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 60347677
Conc: 25.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



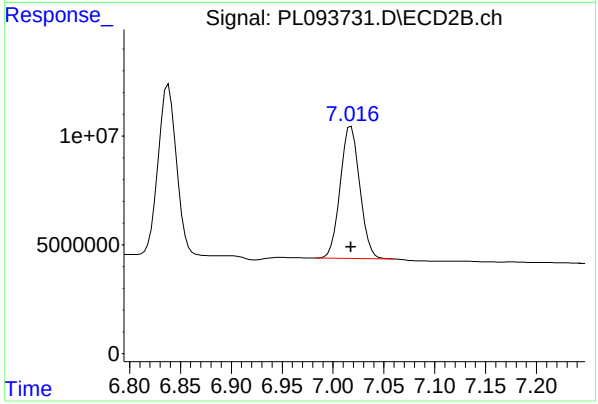
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 97684233
Conc: 24.19 ng/ml



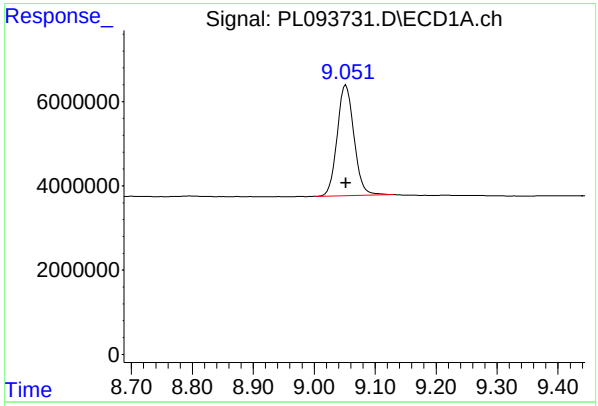
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 50874505
Conc: 26.65 ng/ml



#22 Mirex

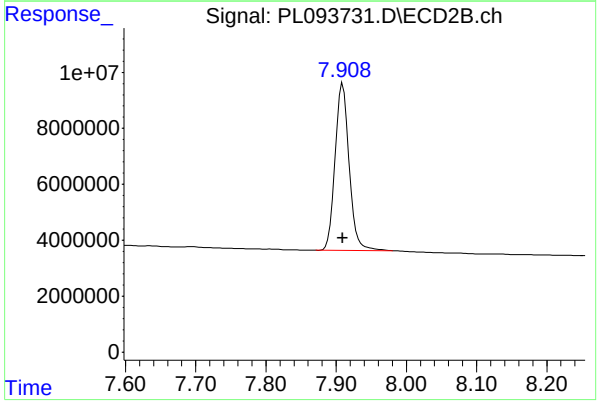
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 81084696
Conc: 25.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 50461717
Conc: 26.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 83015469
Conc: 24.84 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:51
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : ECD_L
ClientSampleId : PSTDICC005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:01:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.538	2.774	16637105	18287931	6.178	5.603
28)	SA Decachlor...	9.052	7.909	13789093	20761045	6.592	5.925
	Target Compounds						
2)	A alpha-BHC	3.994	3.276	23301548	25051289	6.078	5.124
3)	MA gamma-BHC...	4.326	3.606	22354233	24631359	6.070	5.195
4)	MA Heptachlor	4.914	3.944	20465600	25421102	6.245	5.461
5)	MB Aldrin	5.255	4.223	20732862	24380948	6.337	5.345
6)	B beta-BHC	4.525	3.906	10607660	11595524	6.600	5.805
7)	B delta-BHC	4.771	4.134	20943898	24697126	5.975	5.198
8)	B Heptachlo...	5.682	4.726	19675106	22877181	6.616	5.473
9)	A Endosulfan I	6.068	5.096	17228246	21272747	6.519	5.487
10)	B gamma-Chl...	5.938	4.976	17575834	23077513	6.306	5.446
11)	B alpha-Chl...	6.017	5.040	17853432	22874114	6.403	5.464
12)	B 4,4'-DDE	6.191	5.229	15062588	21725638	6.187	5.419
13)	MA Dieldrin	6.343	5.360	17771692	23498784	6.402	5.470
14)	MA Endrin	6.573	5.635	15009439	20488065	6.401	5.548
15)	B Endosulfa...	6.793	5.930	15801314	20403798	6.558	5.509
16)	A 4,4'-DDD	6.708	5.783	12134151	16521614	6.385	5.234
17)	MA 4,4'-DDT	7.022	6.034	12070833	16163358	6.121	4.967
18)	B Endrin al...	6.922	6.110	12477919	17329206	6.418	5.692
19)	B Endosulfa...	7.156	6.332	15057236	19816189	6.651	5.557
20)	A Methoxychlor	7.498	6.609	6435643	10701964	6.168	5.985
21)	B Endrin ke...	7.642	6.837	16285626	24108712	6.456	5.747
22)	Mirex	8.114	7.018	13884960	20156166	6.667	5.960

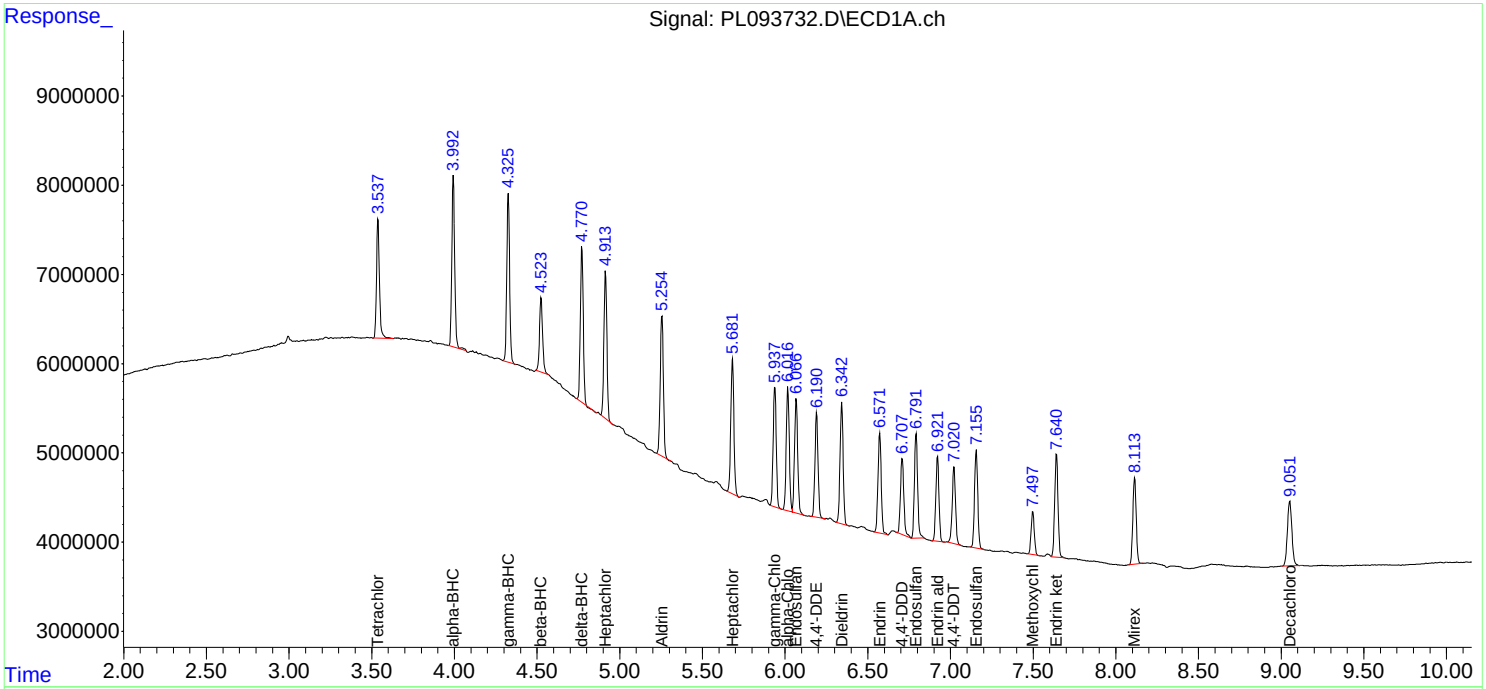
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

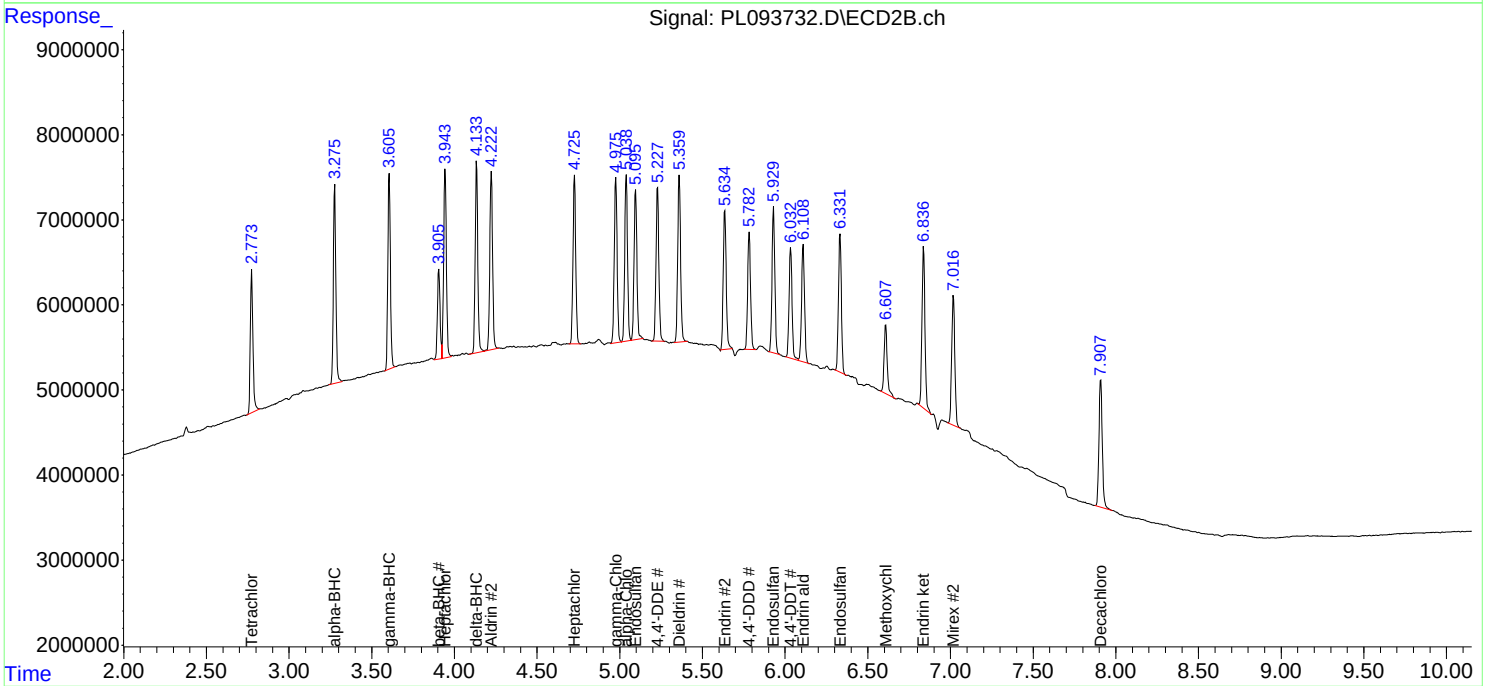
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:51
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

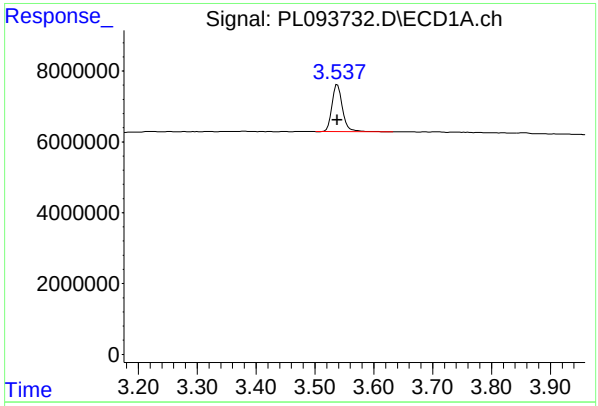
Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:01:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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



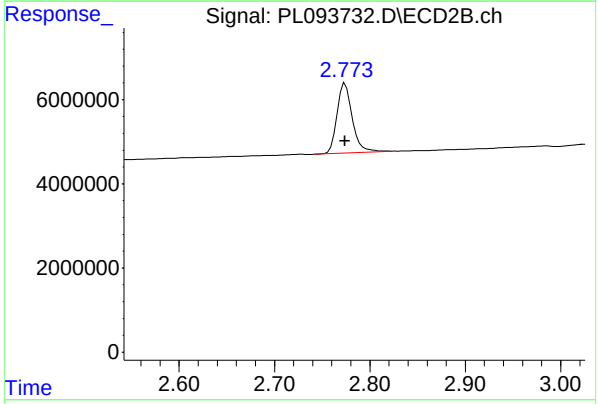




#1 Tetrachloro-m-xylene

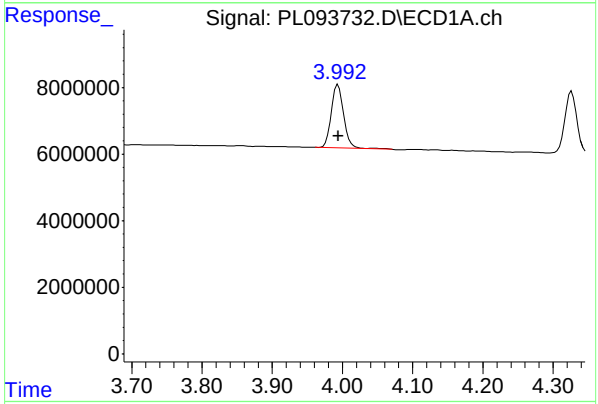
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 16637105
Conc: 6.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



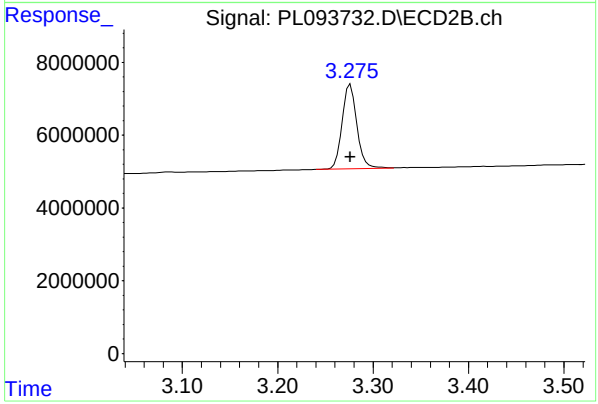
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 18287931
Conc: 5.60 ng/ml



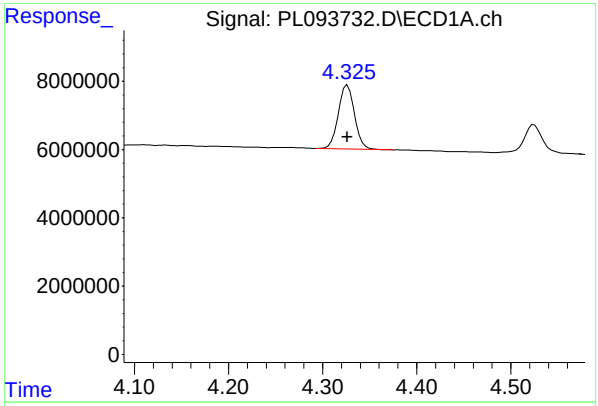
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 23301548
Conc: 6.08 ng/ml



#2 alpha-BHC

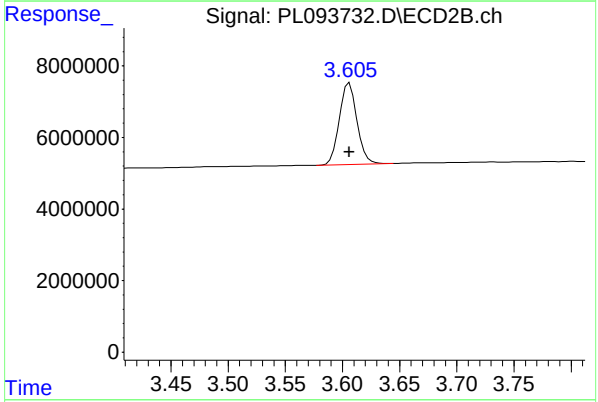
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 25051289
Conc: 5.12 ng/ml



#3 gamma-BHC (Lindane)

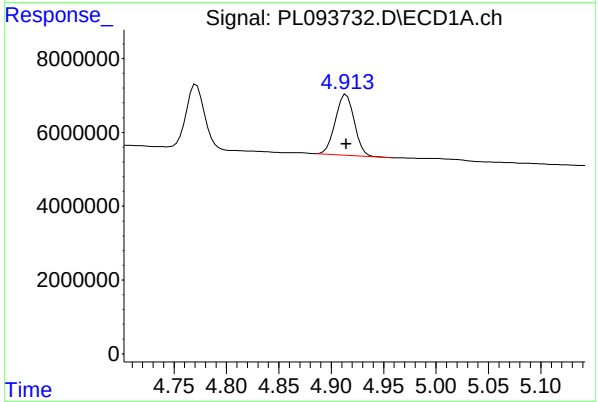
R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 22354233
Conc: 6.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



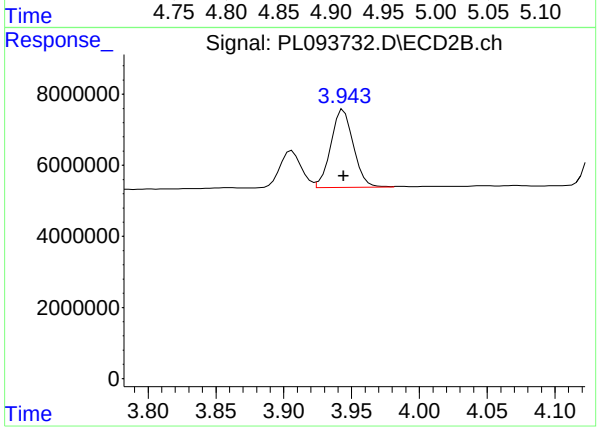
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: 0.000 min
Response: 24631359
Conc: 5.20 ng/ml



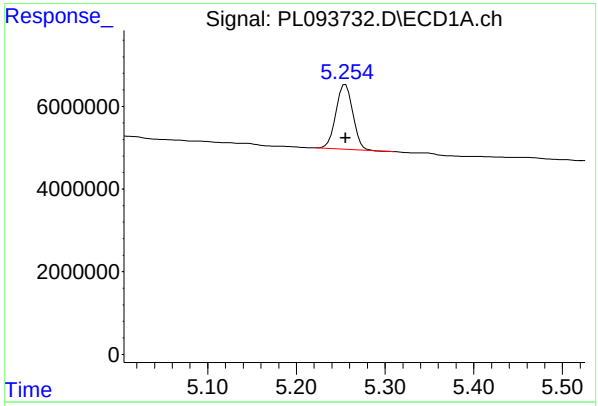
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 20465600
Conc: 6.24 ng/ml



#4 Heptachlor

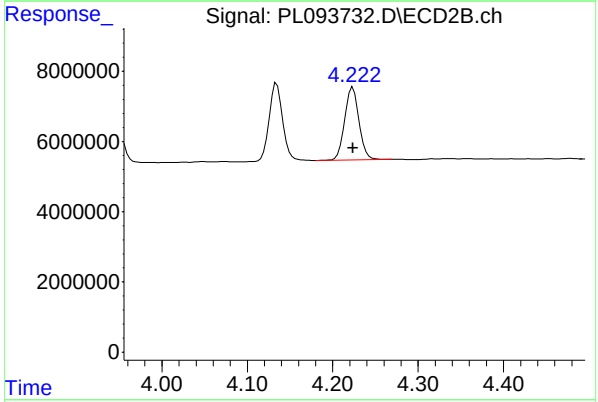
R.T.: 3.944 min
Delta R.T.: 0.000 min
Response: 25421102
Conc: 5.46 ng/ml



#5 Aldrin

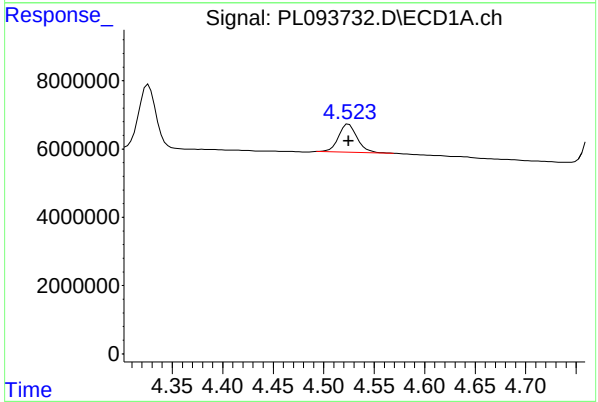
R.T.: 5.255 min
Delta R.T.: 0.000 min
Response: 20732862
Conc: 6.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



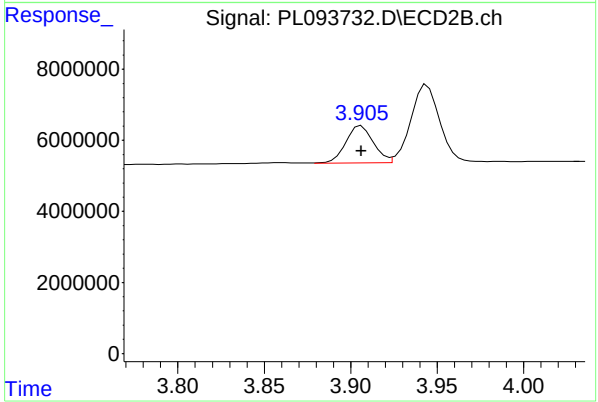
#5 Aldrin

R.T.: 4.223 min
Delta R.T.: 0.000 min
Response: 24380948
Conc: 5.34 ng/ml



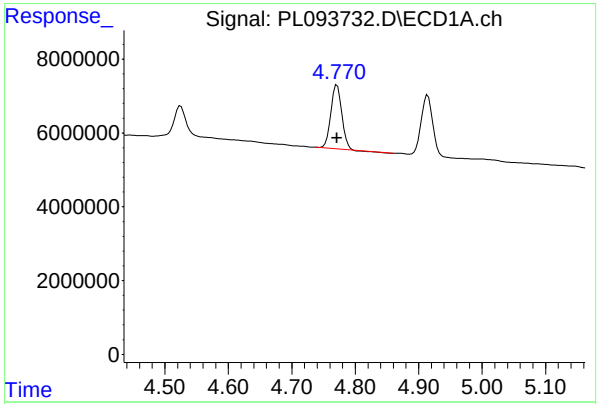
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 10607660
Conc: 6.60 ng/ml



#6 beta-BHC

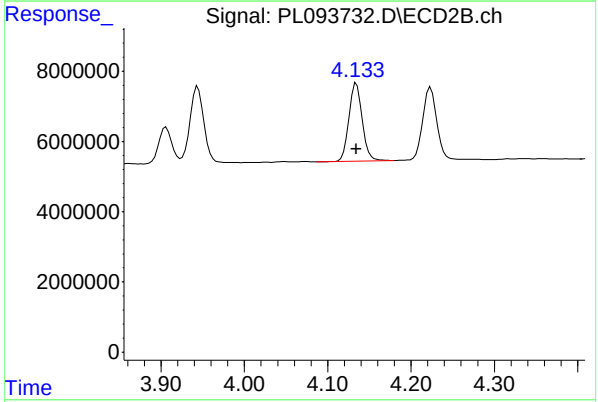
R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 11595524
Conc: 5.81 ng/ml



#7 delta-BHC

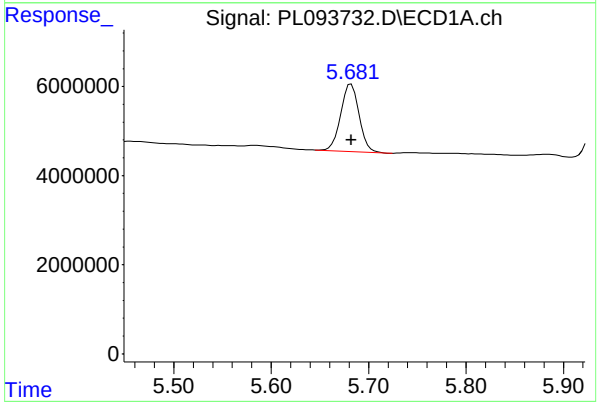
R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 20943898
Conc: 5.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



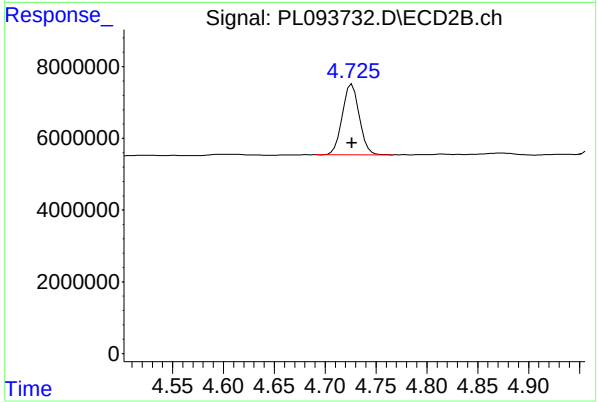
#7 delta-BHC

R.T.: 4.134 min
Delta R.T.: 0.000 min
Response: 24697126
Conc: 5.20 ng/ml



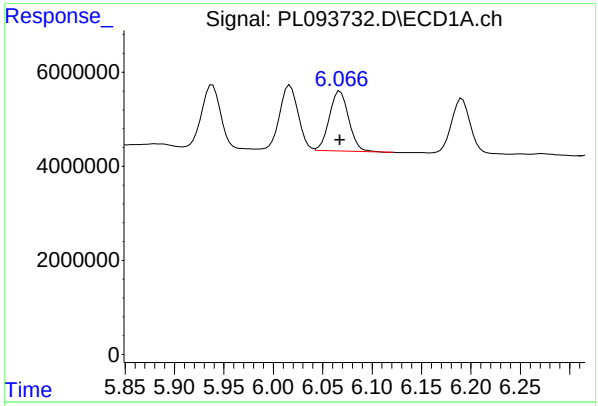
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 19675106
Conc: 6.62 ng/ml



#8 Heptachlor epoxide

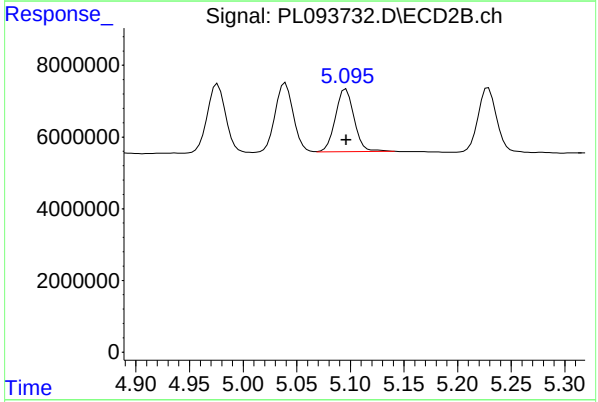
R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 22877181
Conc: 5.47 ng/ml



#9 Endosulfan I

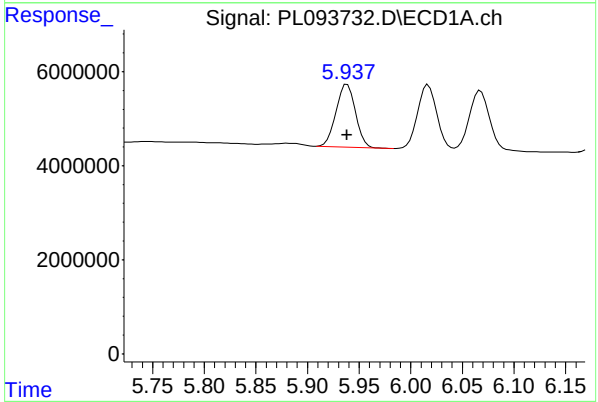
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 17228246
Conc: 6.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



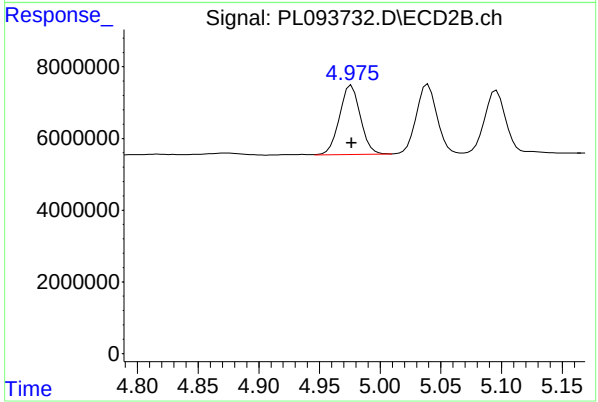
#9 Endosulfan I

R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 21272747
Conc: 5.49 ng/ml



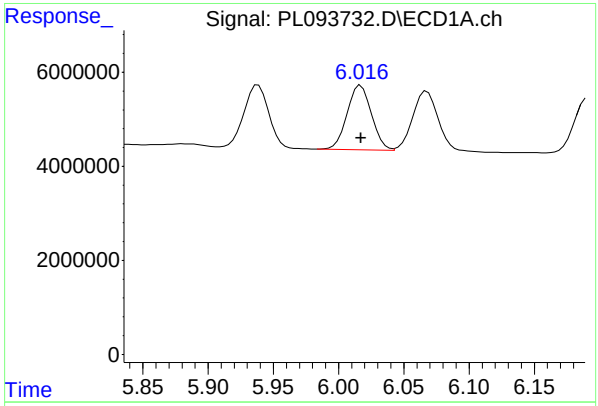
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 17575834
Conc: 6.31 ng/ml



#10 gamma-Chlordane

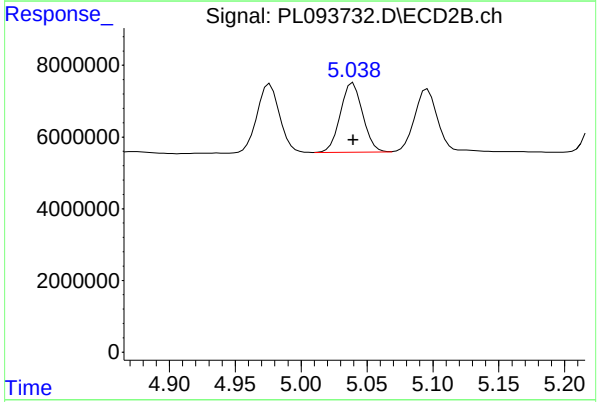
R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 23077513
Conc: 5.45 ng/ml



#11 alpha-Chlordane

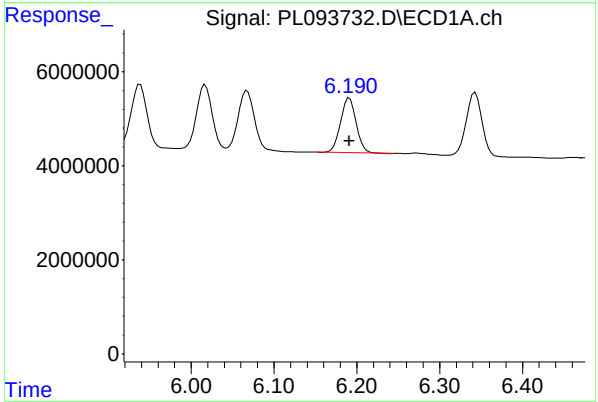
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 17853432
Conc: 6.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



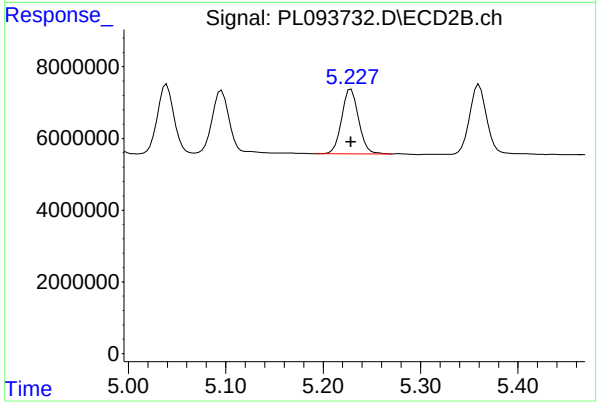
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 22874114
Conc: 5.46 ng/ml



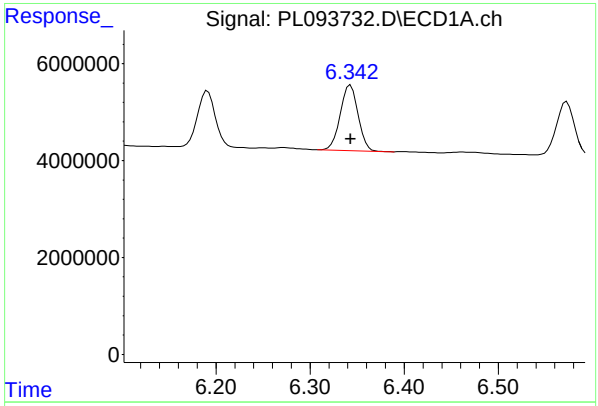
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 15062588
Conc: 6.19 ng/ml



#12 4,4'-DDE

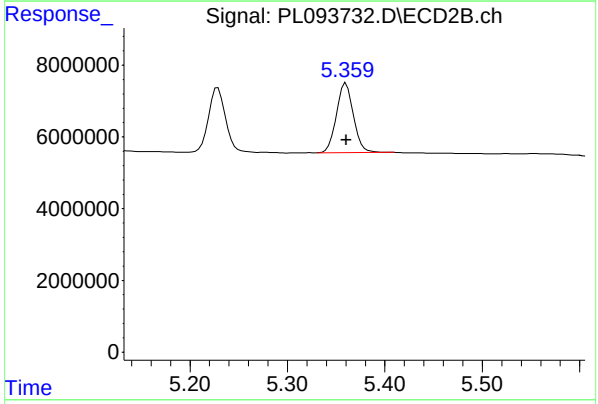
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 21725638
Conc: 5.42 ng/ml



#13 Dieldrin

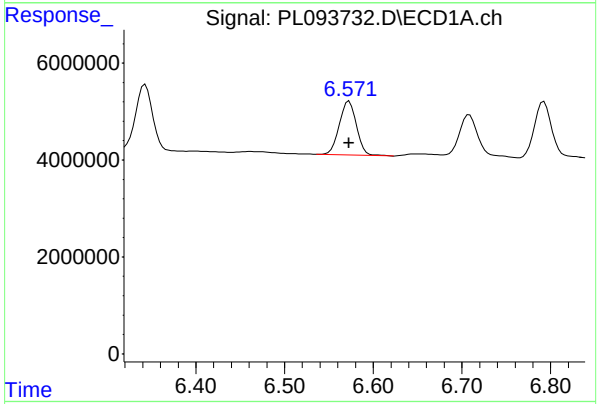
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 17771692
Conc: 6.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



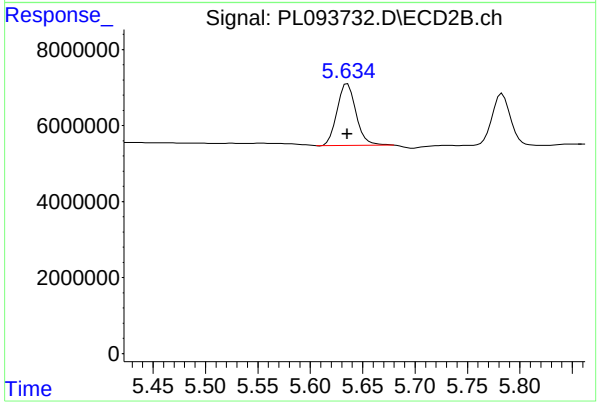
#13 Dieldrin

R.T.: 5.360 min
Delta R.T.: 0.000 min
Response: 23498784
Conc: 5.47 ng/ml



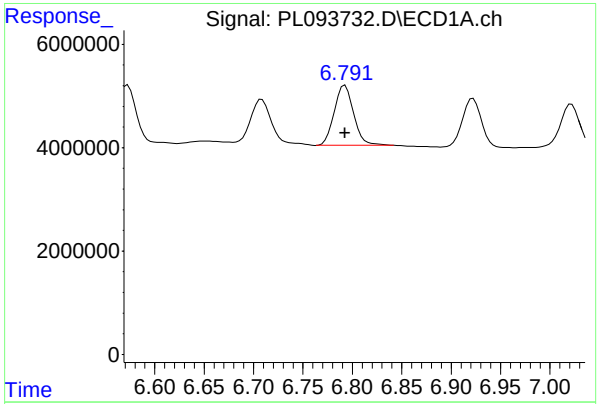
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 15009439
Conc: 6.40 ng/ml



#14 Endrin

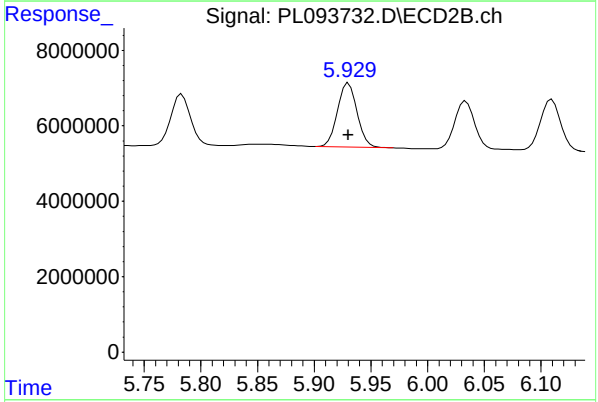
R.T.: 5.635 min
Delta R.T.: 0.000 min
Response: 20488065
Conc: 5.55 ng/ml



#15 Endosulfan II

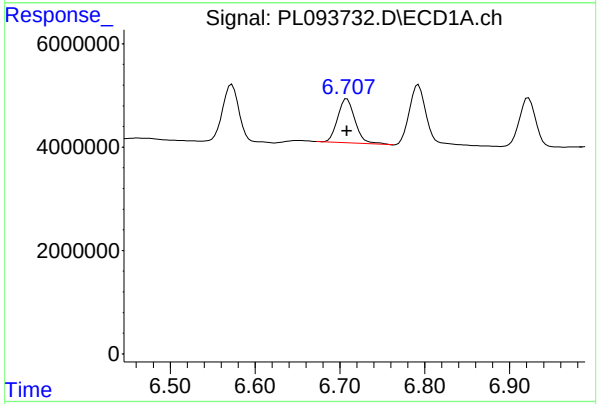
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 15801314
Conc: 6.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



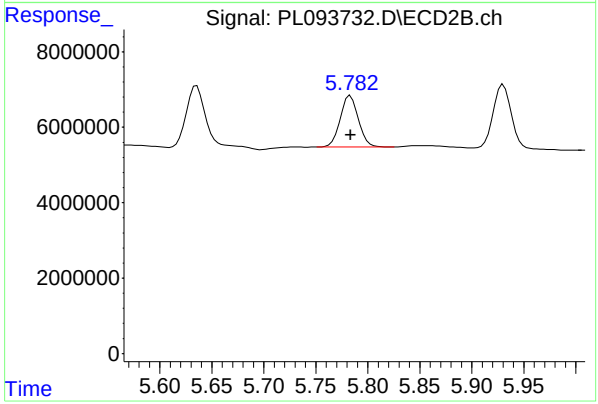
#15 Endosulfan II

R.T.: 5.930 min
Delta R.T.: 0.000 min
Response: 20403798
Conc: 5.51 ng/ml



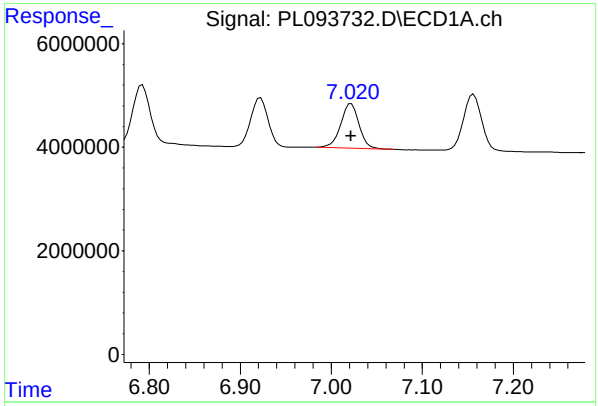
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.000 min
Response: 12134151
Conc: 6.38 ng/ml



#16 4,4'-DDD

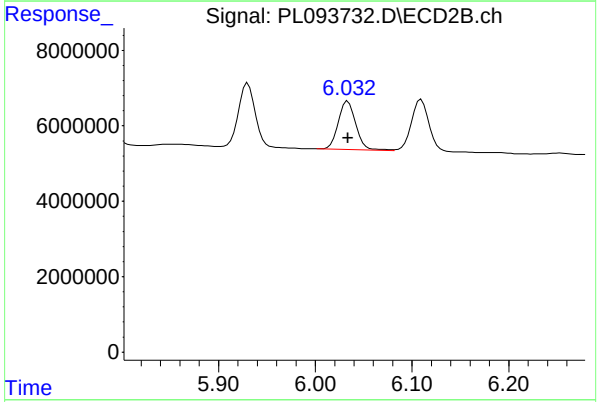
R.T.: 5.783 min
Delta R.T.: 0.000 min
Response: 16521614
Conc: 5.23 ng/ml



#17 4,4'-DDT

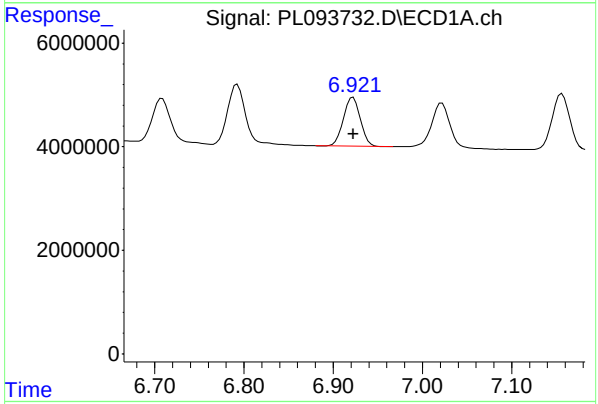
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 12070833
Conc: 6.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



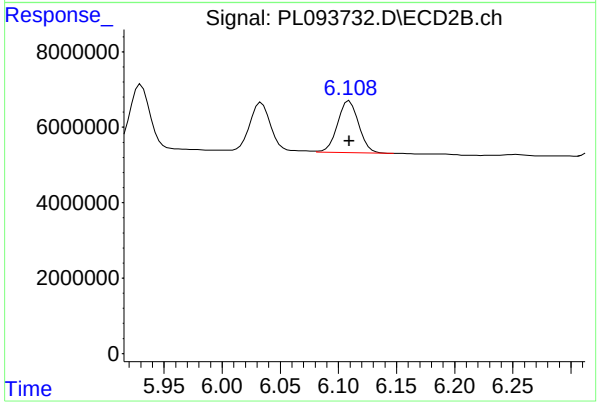
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 16163358
Conc: 4.97 ng/ml



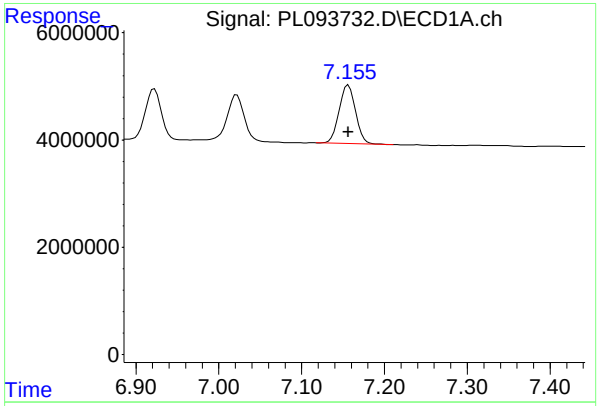
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 12477919
Conc: 6.42 ng/ml



#18 Endrin aldehyde

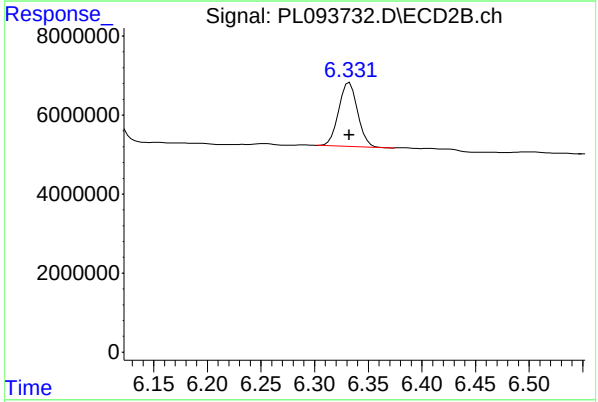
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 17329206
Conc: 5.69 ng/ml



#19 Endosulfan Sulfate

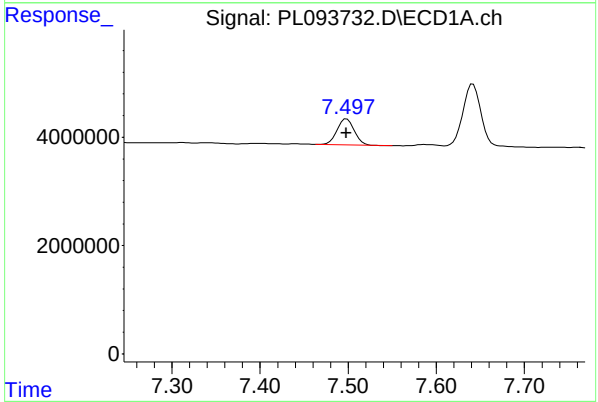
R.T.: 7.156 min
Delta R.T.: 0.000 min
Response: 15057236
Conc: 6.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



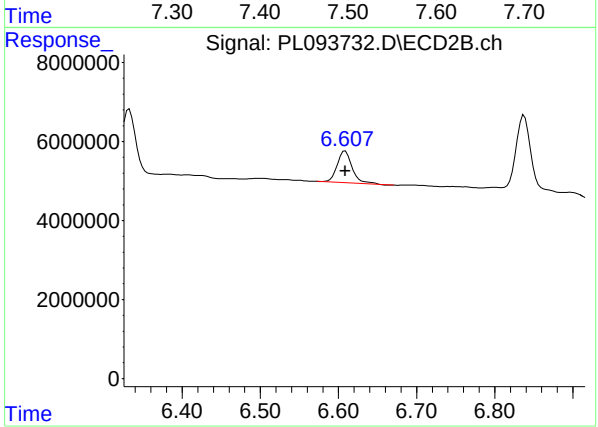
#19 Endosulfan Sulfate

R.T.: 6.332 min
Delta R.T.: 0.000 min
Response: 19816189
Conc: 5.56 ng/ml



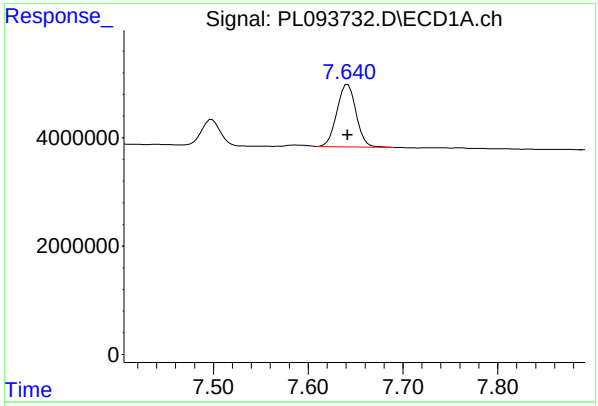
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 6435643
Conc: 6.17 ng/ml



#20 Methoxychlor

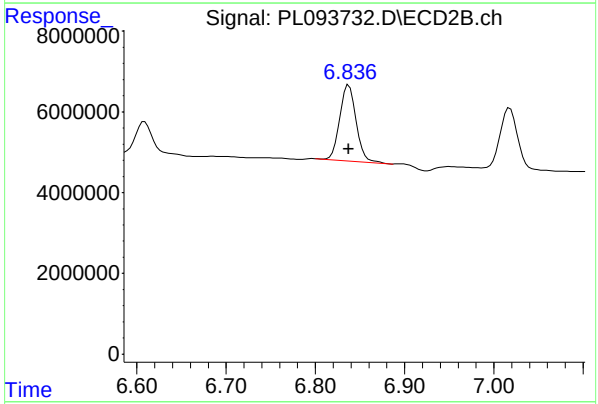
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 10701964
Conc: 5.98 ng/ml



#21 Endrin ketone

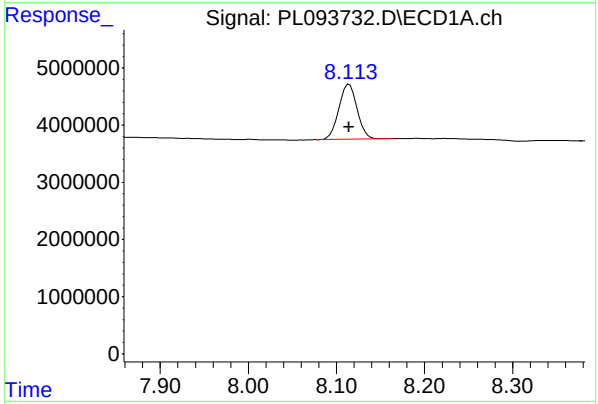
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 16285626
Conc: 6.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



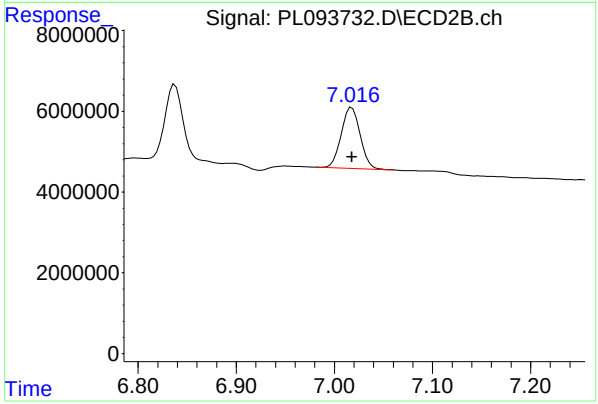
#21 Endrin ketone

R.T.: 6.837 min
Delta R.T.: 0.000 min
Response: 24108712
Conc: 5.75 ng/ml



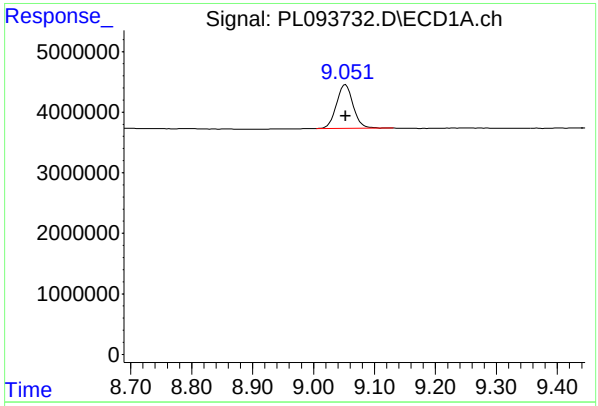
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.000 min
Response: 13884960
Conc: 6.67 ng/ml



#22 Mirex

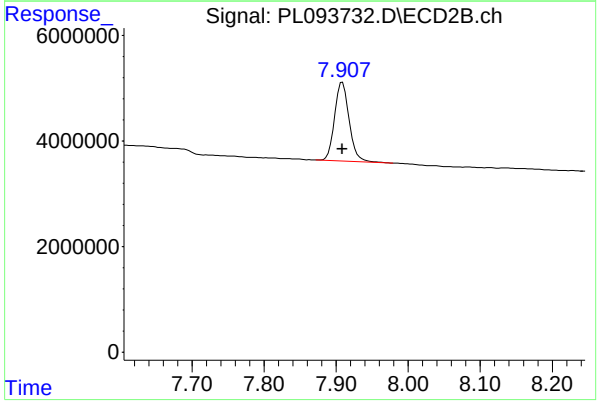
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 20156166
Conc: 5.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 13789093
Conc: 6.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 20761045
Conc: 5.92 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093735.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 12:32
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 13:40:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:40:02 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.538	2.773	118.0E6	178.8E6	50.000	50.000
28)	SA Decachlor...	9.053	7.909	91356144	160.3E6	50.000	50.000
	Target Compounds						
23)	Chlordane-1	4.700	3.771	55335446	61106259	500.000	500.000
24)	Chlordane-2	5.229	4.347	55911116	70304921	500.000	500.000
25)	Chlordane-3	5.939	4.977	183.8E6	213.9E6	500.000	500.000
26)	Chlordane-4	6.021	5.039	220.6E6	206.1E6	500.000	500.000
27)	Chlordane-5	6.870	5.935	42155882	74355315	500.000	500.000

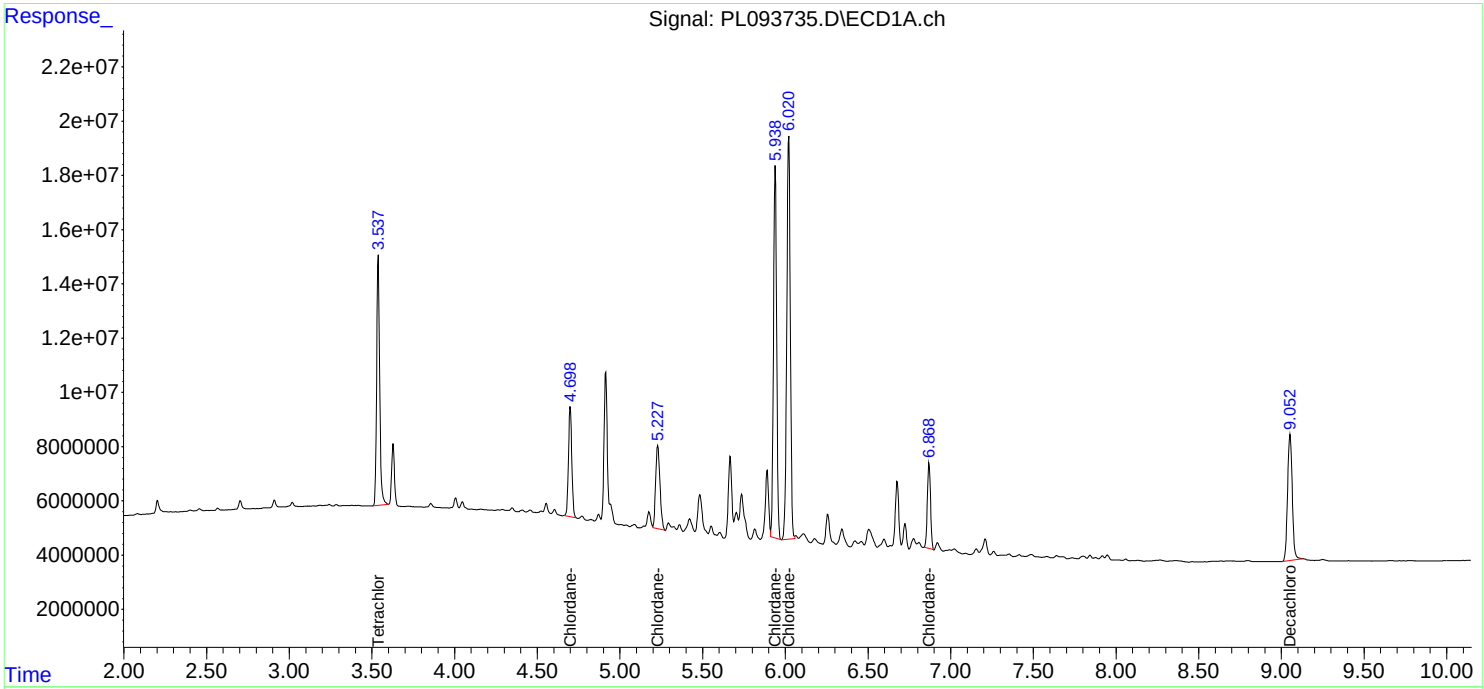
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

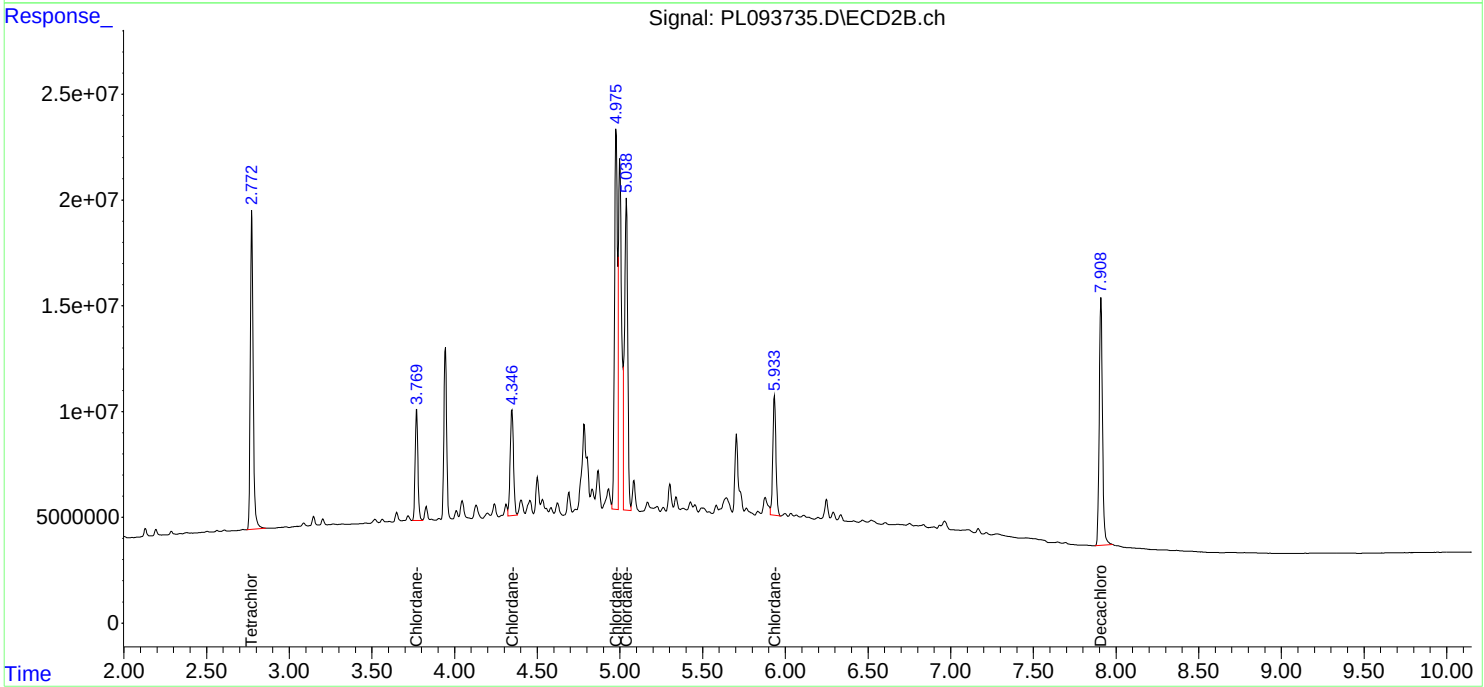
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093735.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 12:32
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

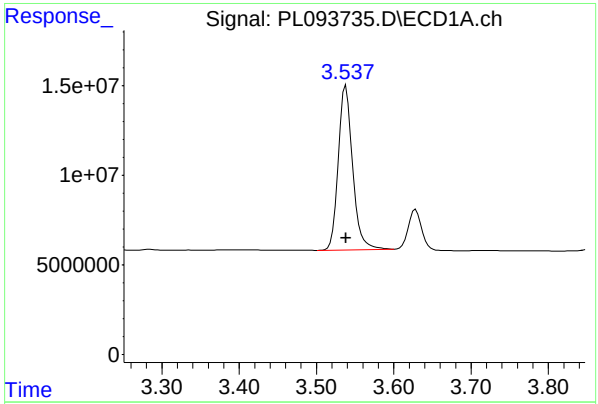
Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 13:40:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:40:02 2025
Response via : Initial Calibration
Integrator: ChemStation

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



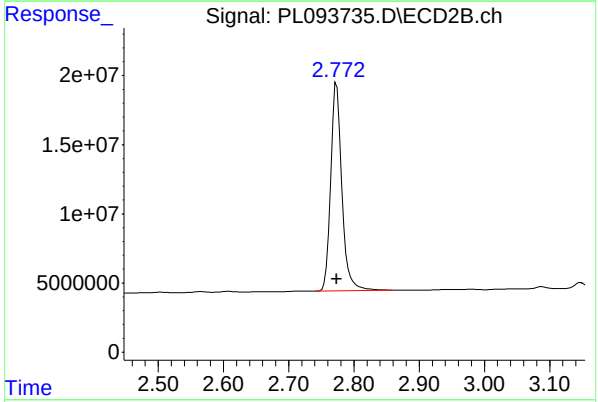




#1 Tetrachloro-m-xylene

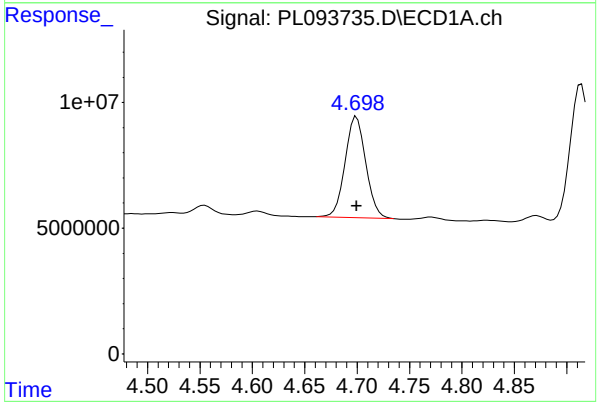
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 118044809
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



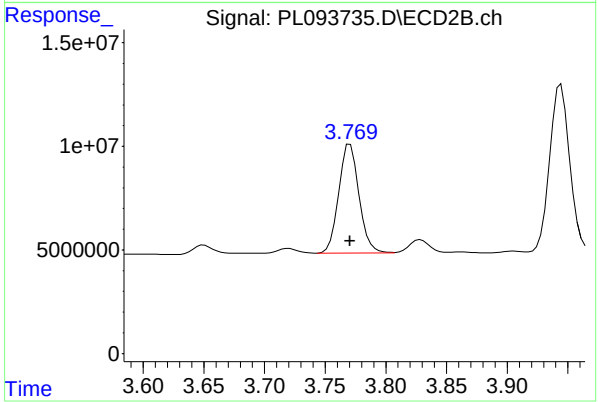
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: 0.000 min
Response: 178786091
Conc: 50.00 ng/ml



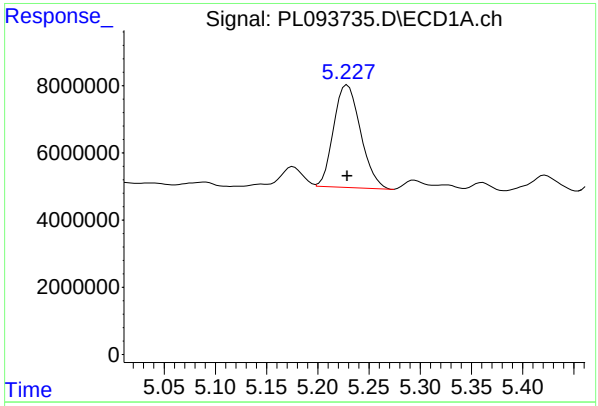
#23 Chlordane-1

R.T.: 4.700 min
Delta R.T.: 0.000 min
Response: 55335446
Conc: 500.00 ng/ml



#23 Chlordane-1

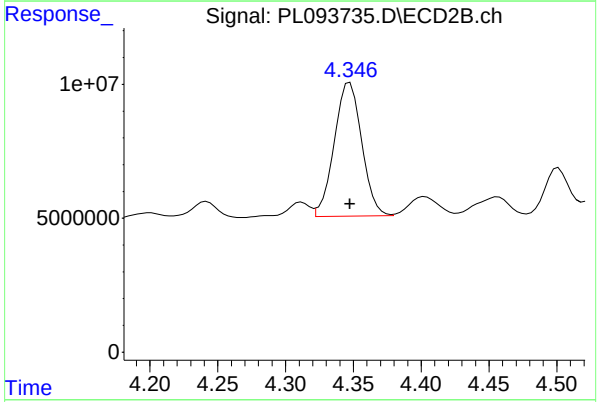
R.T.: 3.771 min
Delta R.T.: 0.000 min
Response: 61106259
Conc: 500.00 ng/ml



#24 Chlordane-2

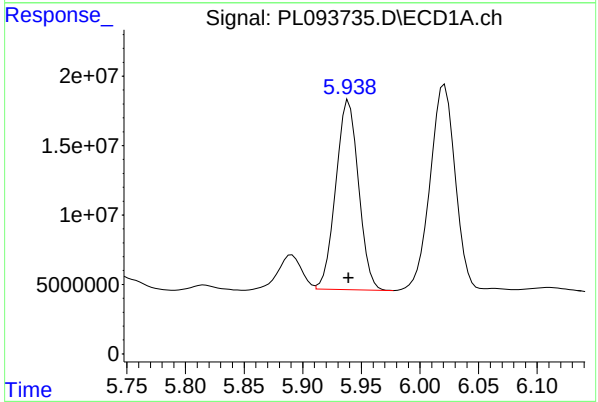
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 55911116
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



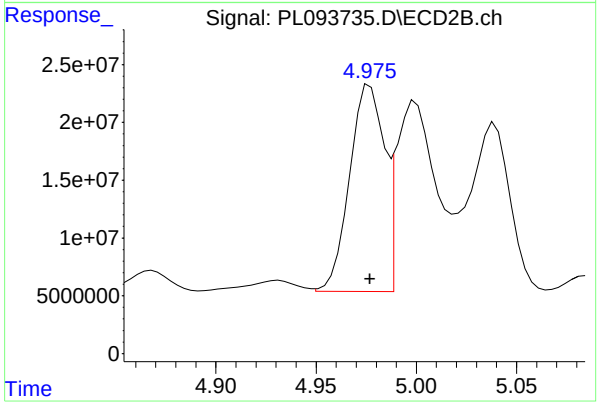
#24 Chlordane-2

R.T.: 4.347 min
Delta R.T.: 0.000 min
Response: 70304921
Conc: 500.00 ng/ml



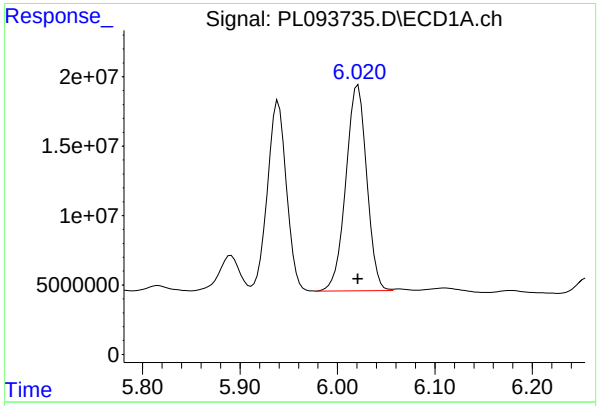
#25 Chlordane-3

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 183782045
Conc: 500.00 ng/ml



#25 Chlordane-3

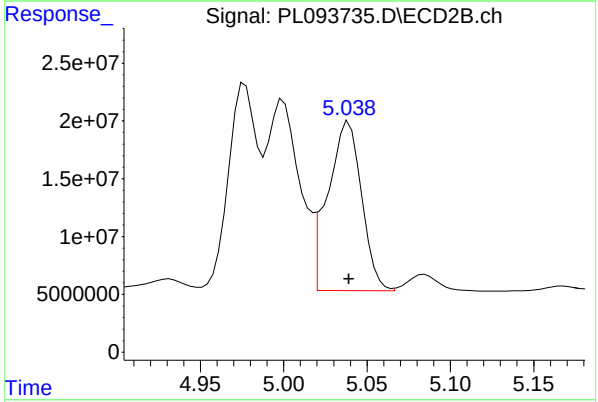
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 213941021
Conc: 500.00 ng/ml



#26 Chlordane-4

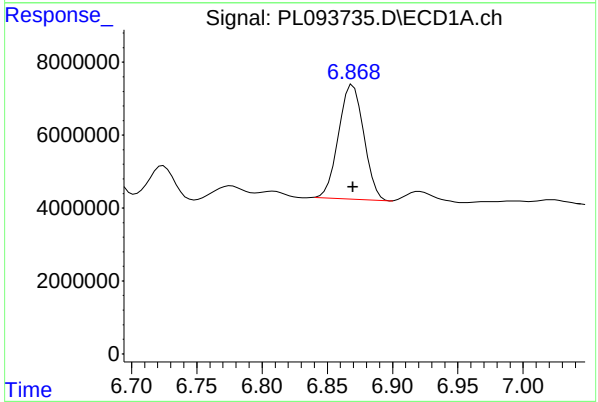
R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 220583333
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



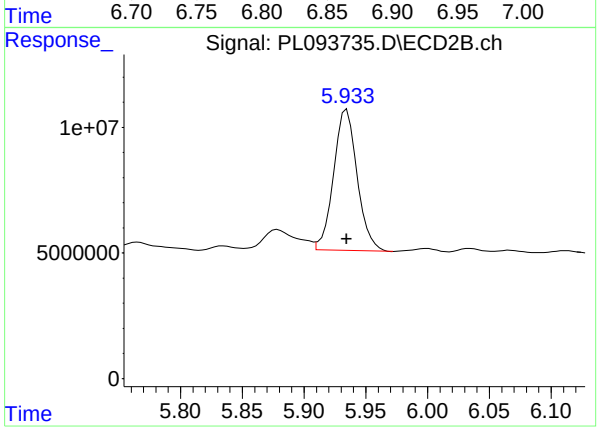
#26 Chlordane-4

R.T.: 5.039 min
Delta R.T.: 0.000 min
Response: 206126766
Conc: 500.00 ng/ml



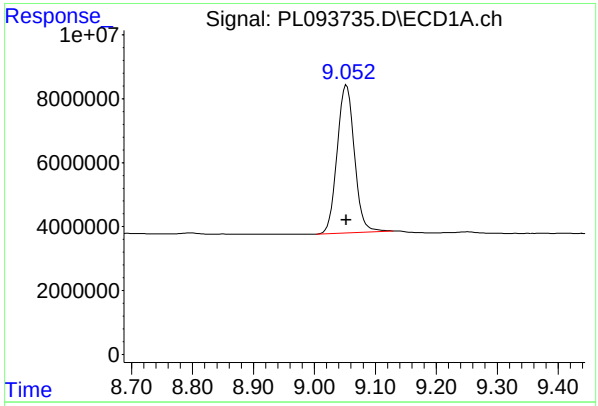
#27 Chlordane-5

R.T.: 6.870 min
Delta R.T.: 0.000 min
Response: 42155882
Conc: 500.00 ng/ml



#27 Chlordane-5

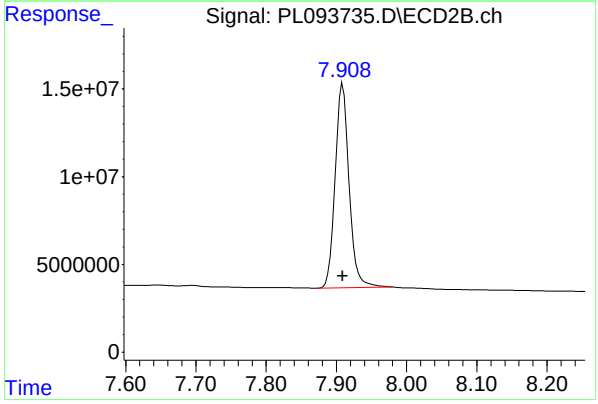
R.T.: 5.935 min
Delta R.T.: 0.000 min
Response: 74355315
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 91356144
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 160259410
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093740.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 13:39
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:13:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:13:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.539	2.774	124.5E6	157.4E6	50.000	50.000
7) SA	Decachlor...	9.053	7.909	96684586	169.0E6	50.000	50.000
	Target Compounds						
2)	Toxaphene-1	6.235	5.002	11722975	13528528	500.000	500.000
3)	Toxaphene-2	6.440	5.326	7383579	11973587	500.000	500.000
4)	Toxaphene-3	7.058	5.684	37947977	12363221	500.000	500.000
5)	Toxaphene-4	7.147	6.599	28672538	42493596	500.000	500.000
6)	Toxaphene-5	7.932	7.039	21533557	40119156	500.000	500.000

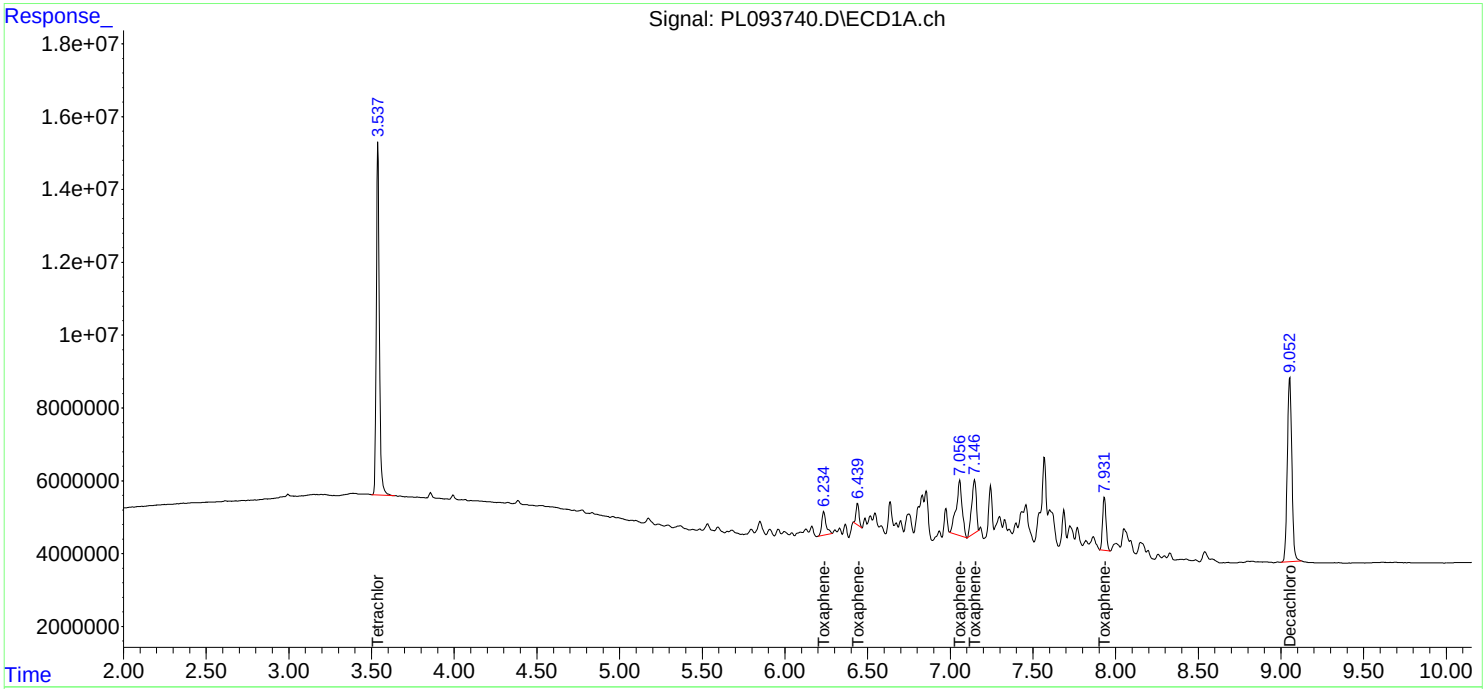
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

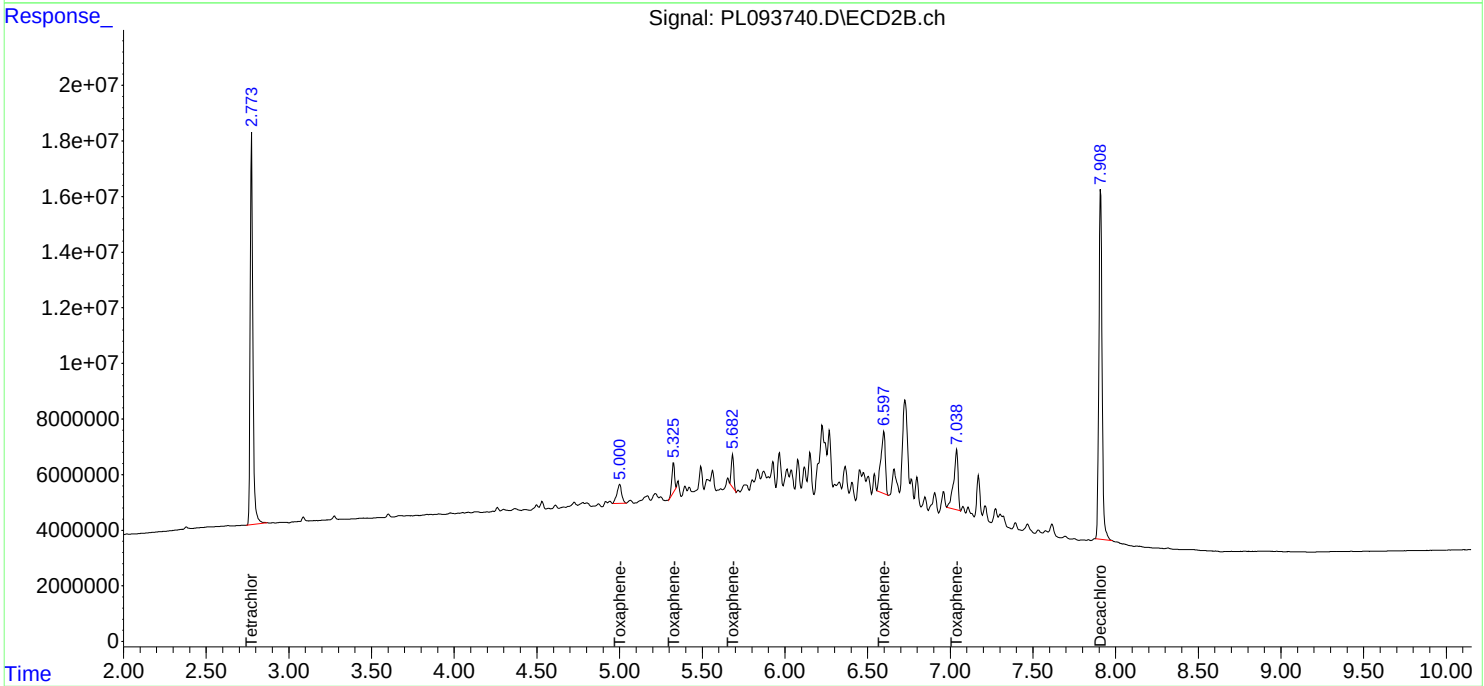
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093740.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 13:39
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

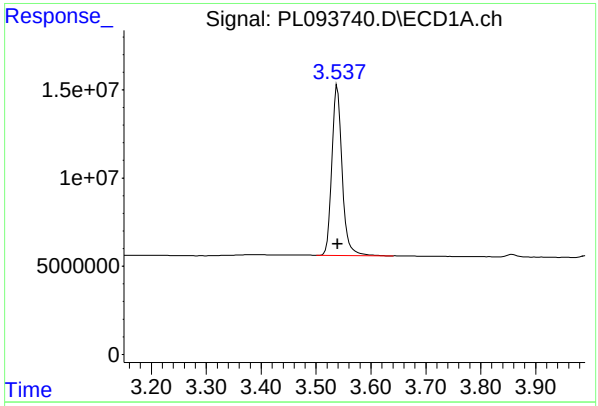
Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:13:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:13:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm



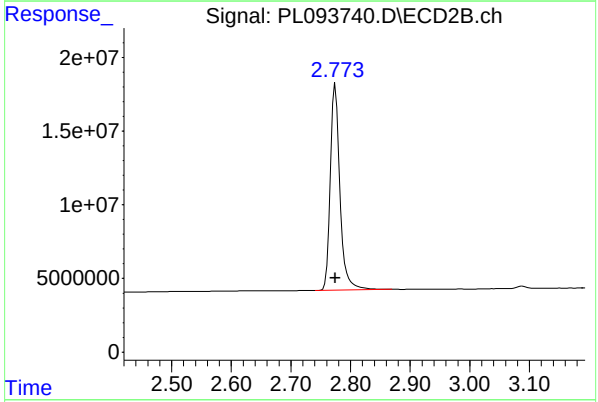




#1 Tetrachloro-m-xylene

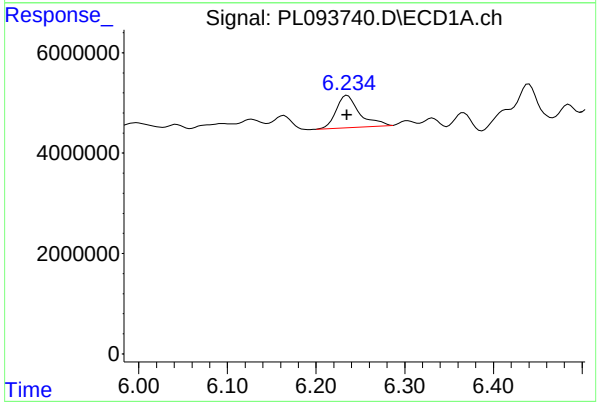
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 124524341
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



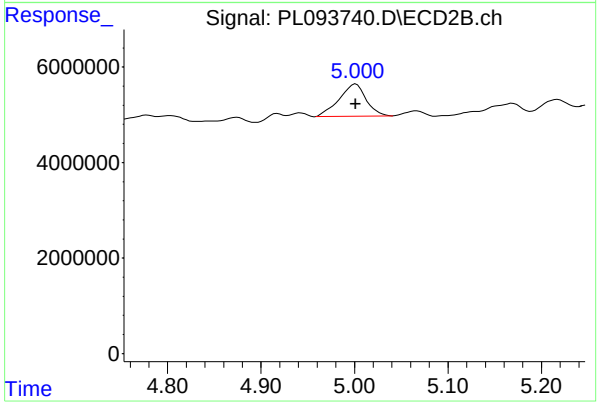
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 157364468
Conc: 50.00 ng/ml



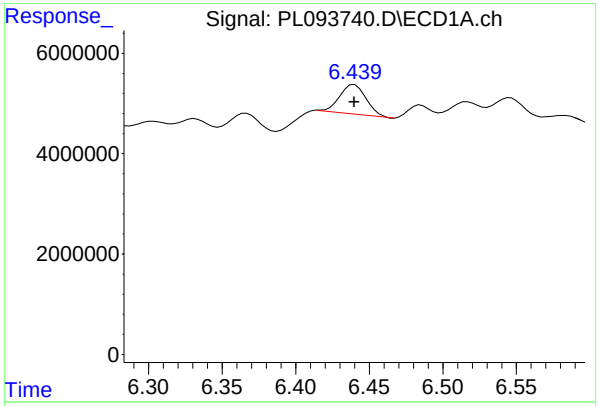
#2 Toxaphene-1

R.T.: 6.235 min
Delta R.T.: 0.000 min
Response: 11722975
Conc: 500.00 ng/ml



#2 Toxaphene-1

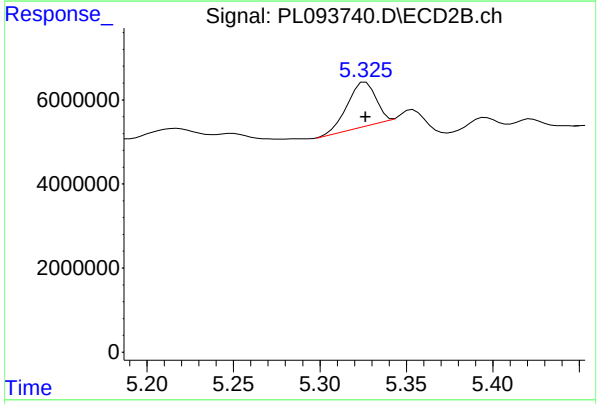
R.T.: 5.002 min
Delta R.T.: 0.000 min
Response: 13528528
Conc: 500.00 ng/ml



#3 Toxaphene-2

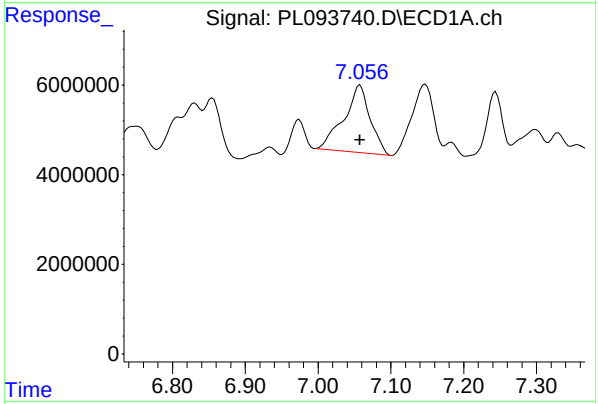
R.T.: 6.440 min
Delta R.T.: 0.000 min
Response: 7383579
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



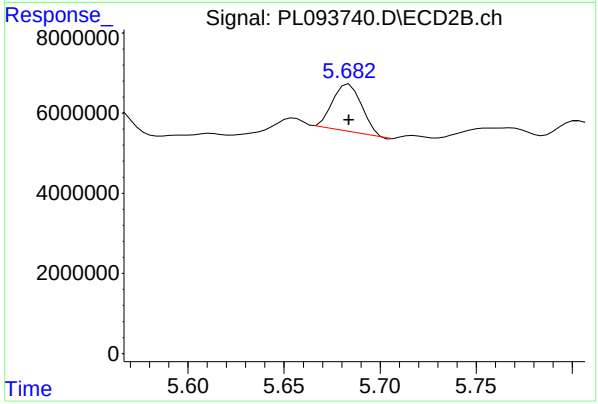
#3 Toxaphene-2

R.T.: 5.326 min
Delta R.T.: 0.000 min
Response: 11973587
Conc: 500.00 ng/ml



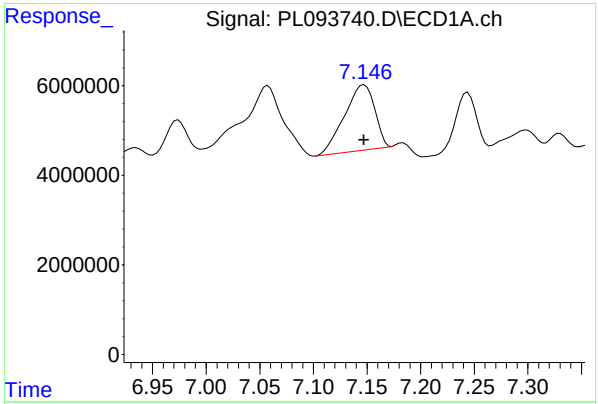
#4 Toxaphene-3

R.T.: 7.058 min
Delta R.T.: 0.000 min
Response: 37947977
Conc: 500.00 ng/ml



#4 Toxaphene-3

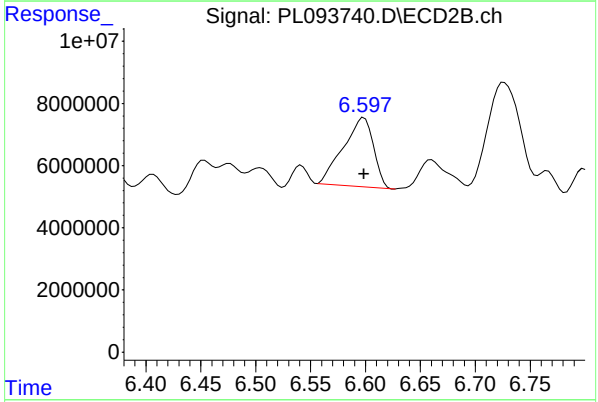
R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 12363221
Conc: 500.00 ng/ml



#5 Toxaphene-4

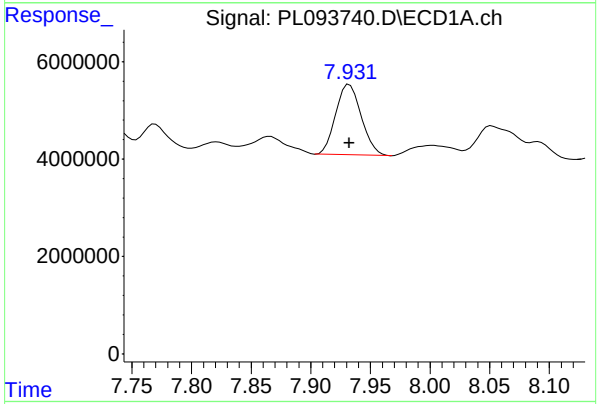
R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 28672538
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



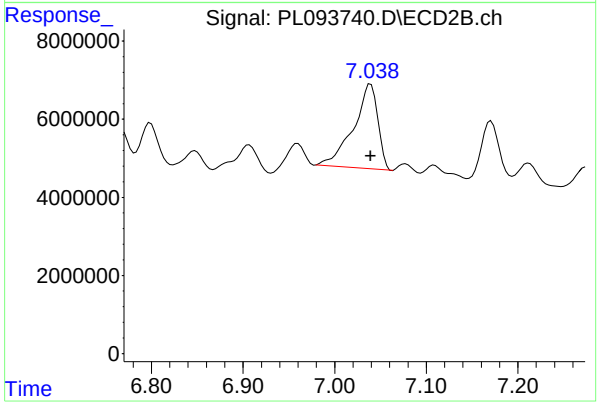
#5 Toxaphene-4

R.T.: 6.599 min
Delta R.T.: 0.000 min
Response: 42493596
Conc: 500.00 ng/ml



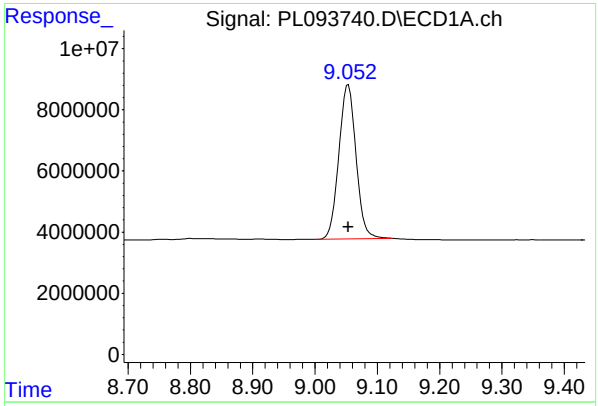
#6 Toxaphene-5

R.T.: 7.932 min
Delta R.T.: 0.000 min
Response: 21533557
Conc: 500.00 ng/ml



#6 Toxaphene-5

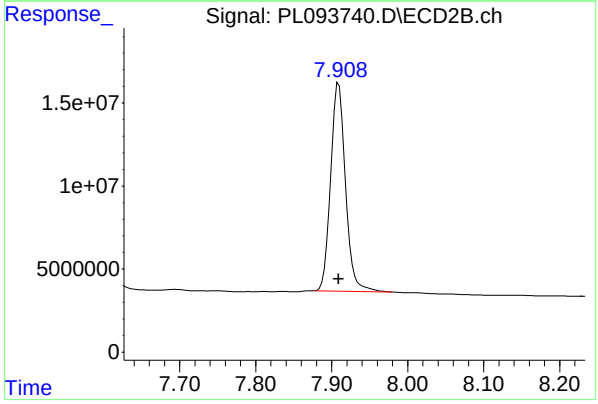
R.T.: 7.039 min
Delta R.T.: 0.000 min
Response: 40119156
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 mi
Response: 96684586
Conc: 50.00 ng/m

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 169042393
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093743.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 14:20
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : ECD_L
ClientSampleId : ICVPL012125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:28:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.539	2.774	141.2E6	176.6E6	52.434	54.093
28)	SA Decachlor...	9.054	7.910	108.7E6	190.8E6	51.975	54.460
	Target Compounds						
2)	A alpha-BHC	3.995	3.277	200.6E6	269.7E6	52.316	55.168
3)	MA gamma-BHC...	4.327	3.607	192.5E6	260.8E6	52.258	55.000
4)	MA Heptachlor	4.915	3.945	166.4E6	253.0E6	50.760	54.351
5)	MB Aldrin	5.256	4.225	167.1E6	250.6E6	51.084	54.939
6)	B beta-BHC	4.525	3.907	81194319	107.5E6	50.515	53.798
7)	B delta-BHC	4.772	4.135	181.5E6	260.8E6	51.768	54.892
8)	B Heptachlo...	5.683	4.727	150.9E6	228.4E6	50.731	54.639
9)	A Endosulfan I	6.068	5.096	134.8E6	212.0E6	51.009	54.694
10)	B gamma-Chl...	5.938	4.977	144.6E6	231.3E6	51.881	54.579
11)	B alpha-Chl...	6.017	5.041	143.8E6	228.4E6	51.572	54.561
12)	B 4,4'-DDE	6.191	5.229	129.1E6	221.4E6	53.039	55.209
13)	MA Dieldrin	6.343	5.361	143.4E6	234.2E6	51.649	54.528
14)	MA Endrin	6.573	5.636	118.4E6	194.0E6	50.501	52.537
15)	B Endosulfa...	6.793	5.931	124.2E6	202.0E6	51.563	54.540
16)	A 4,4'-DDD	6.709	5.785	101.9E6	178.4E6	53.599	56.515
17)	MA 4,4'-DDT	7.023	6.035	104.2E6	181.3E6	52.862	55.711
18)	B Endrin al...	6.923	6.111	101.8E6	165.3E6	52.345	54.299
19)	B Endosulfa...	7.158	6.333	115.9E6	193.8E6	51.182	54.342
20)	A Methoxychlor	7.499	6.610	56233890	95758805	53.895	53.552
21)	B Endrin ke...	7.642	6.838	132.2E6	231.2E6	52.424	55.120
22)	Mirex	8.115	7.019	106.9E6	182.6E6	51.338	54.005

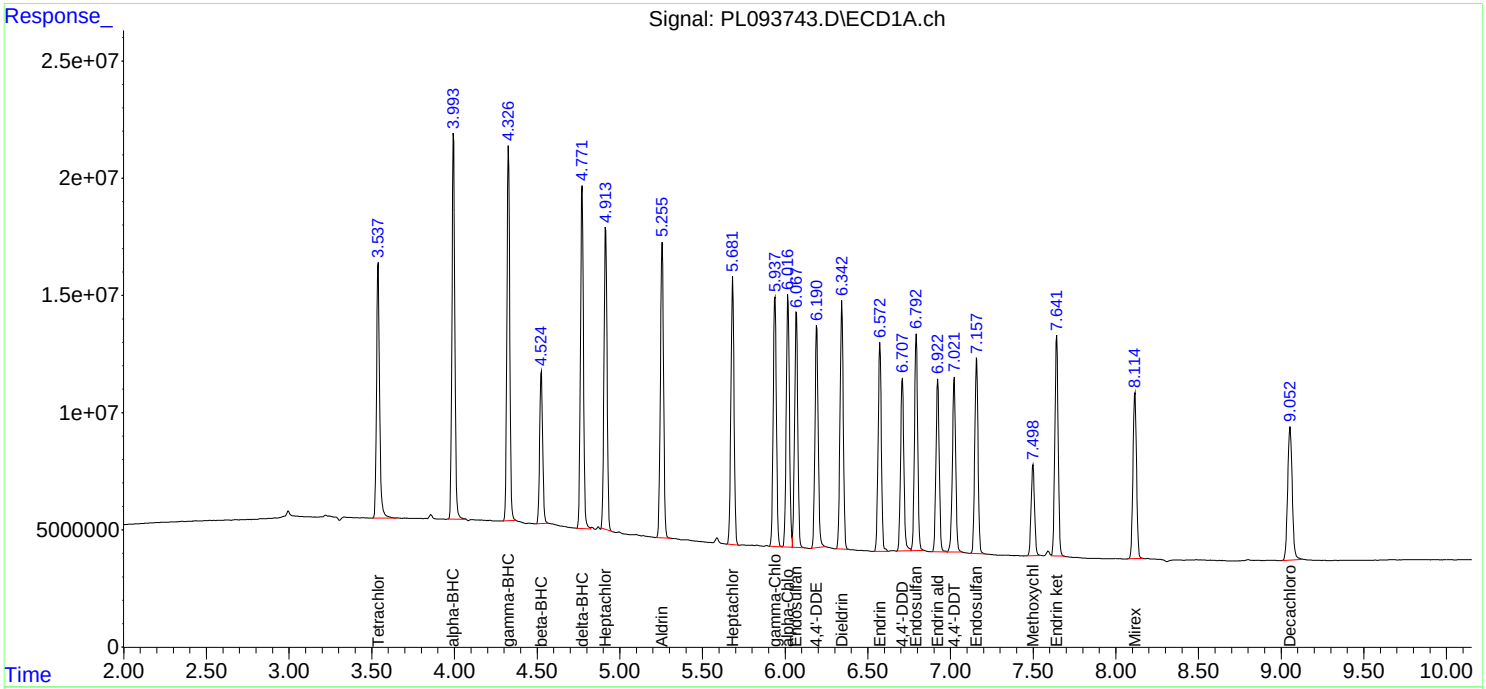
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

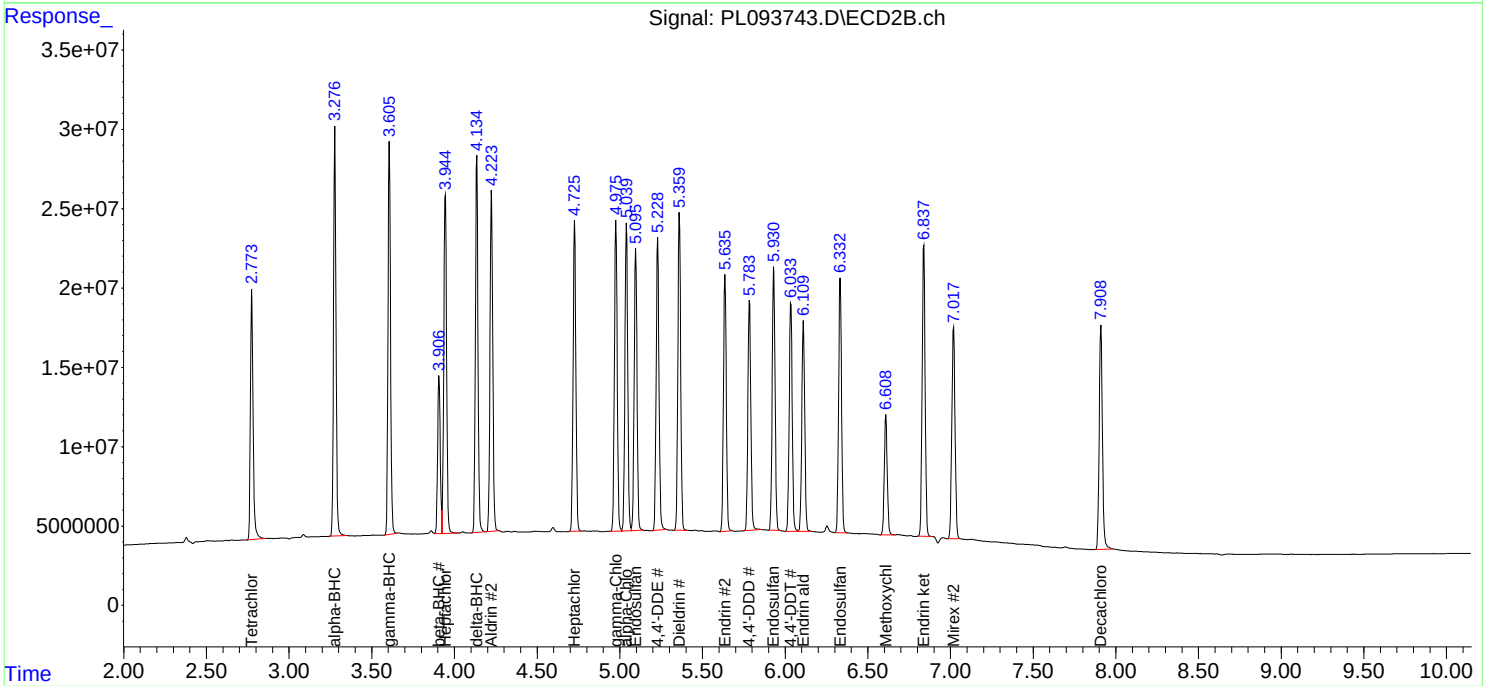
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093743.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 14:20
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

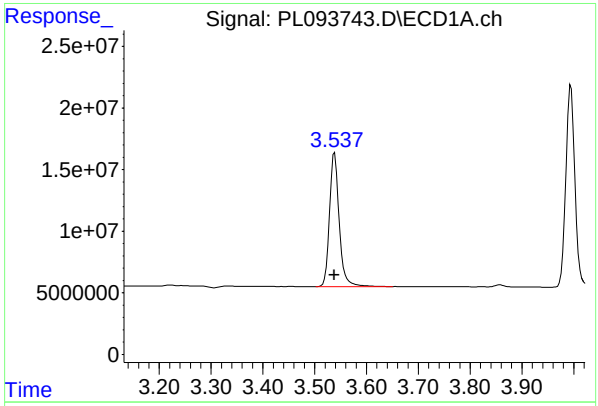
Instrument :
ECD_L
ClientSampleId :
ICVPL012125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:28:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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



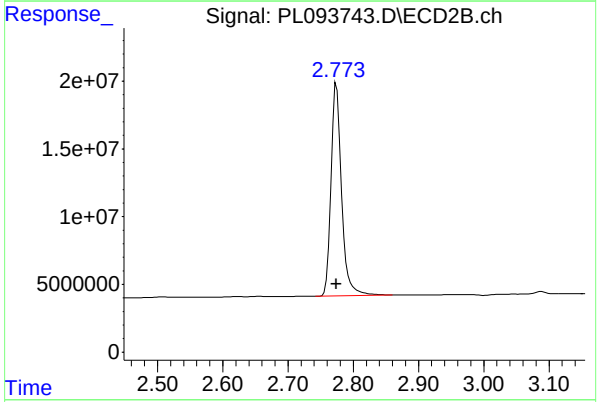




#1 Tetrachloro-m-xylene

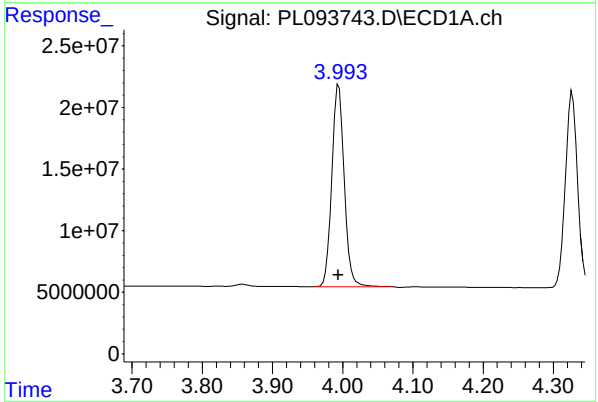
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 141191268
Conc: 52.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



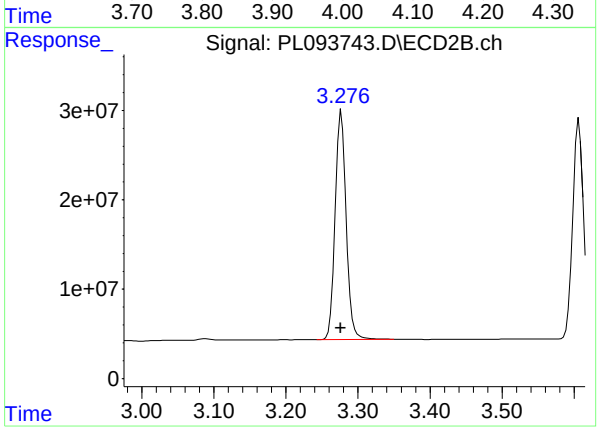
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 176566835
Conc: 54.09 ng/ml



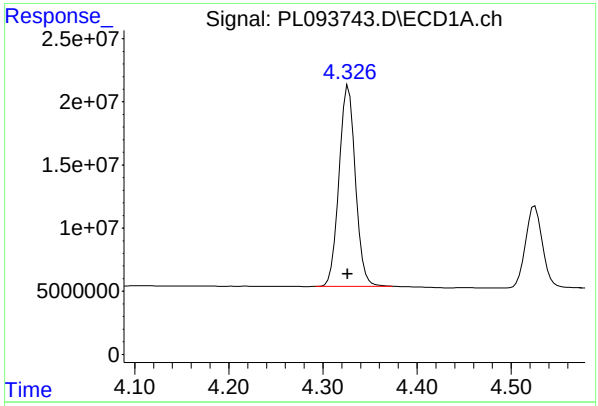
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 200569905
Conc: 52.32 ng/ml



#2 alpha-BHC

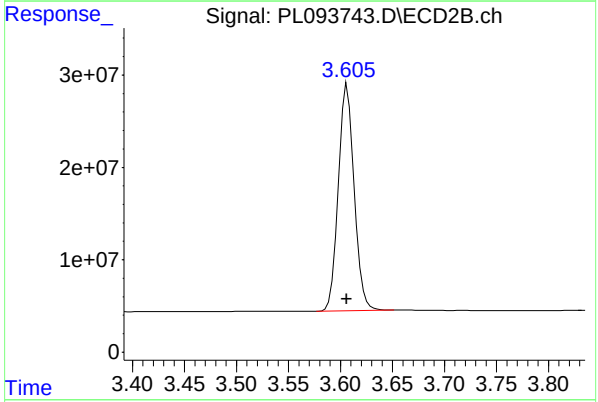
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 269716716
Conc: 55.17 ng/ml



#3 gamma-BHC (Lindane)

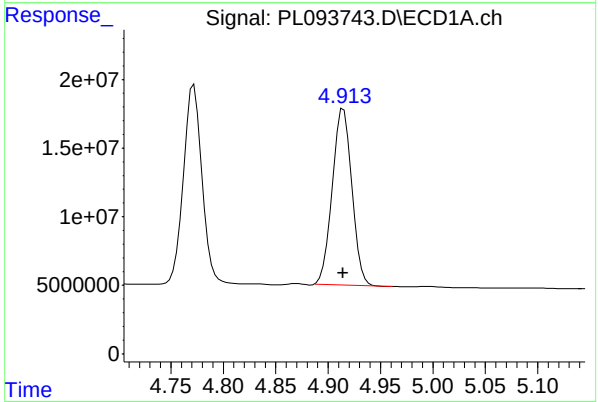
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 192459165
Conc: 52.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



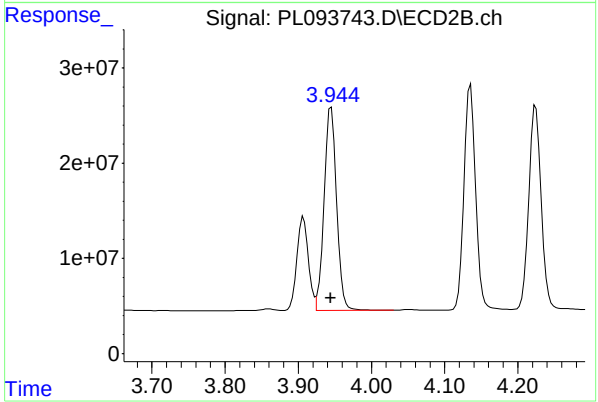
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 260765963
Conc: 55.00 ng/ml



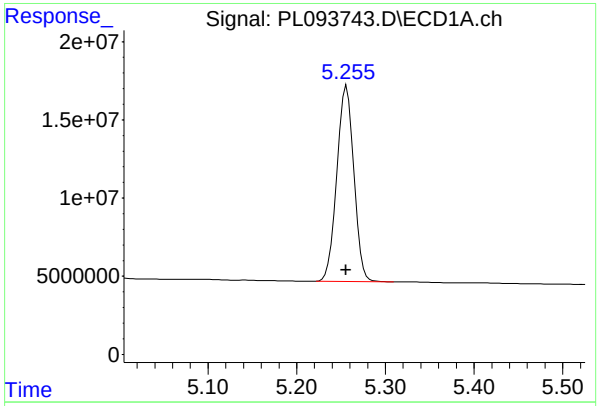
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 166357805
Conc: 50.76 ng/ml



#4 Heptachlor

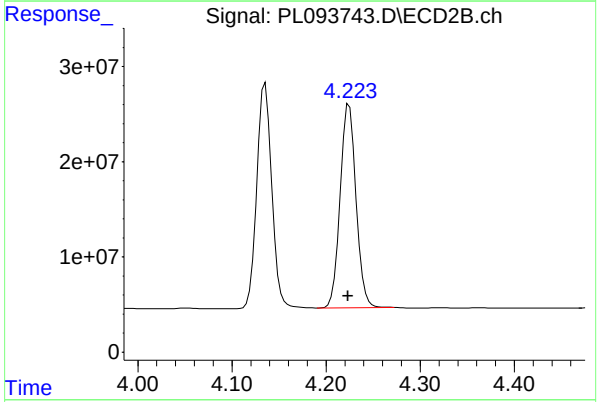
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 252994081
Conc: 54.35 ng/ml



#5 Aldrin

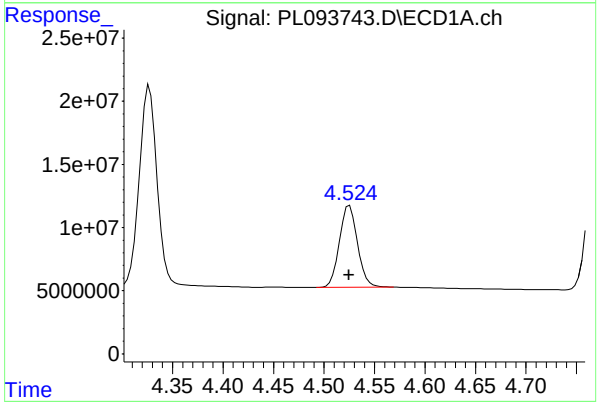
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 167145833
Conc: 51.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



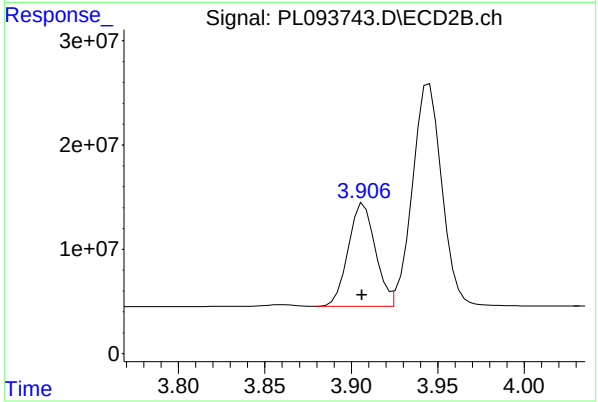
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: 0.001 min
Response: 250621610
Conc: 54.94 ng/ml



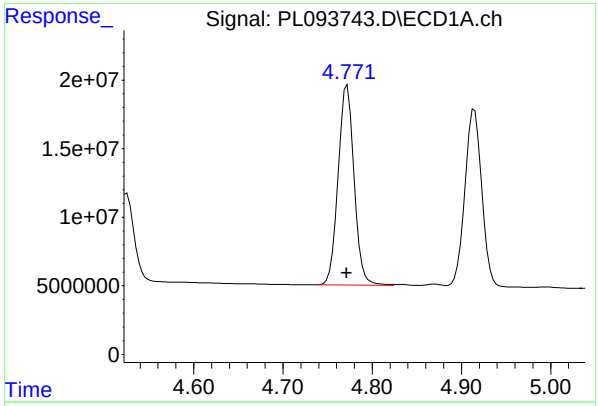
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 81194319
Conc: 50.52 ng/ml



#6 beta-BHC

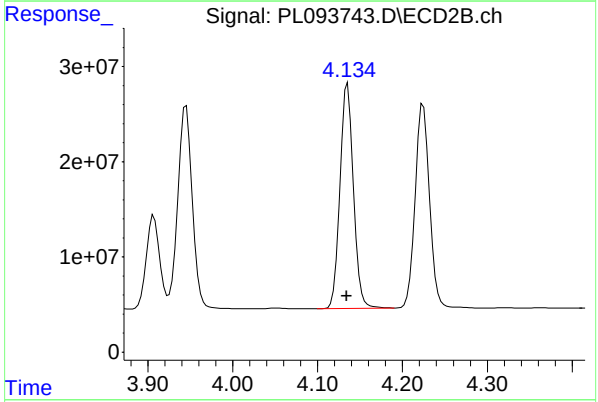
R.T.: 3.907 min
Delta R.T.: 0.001 min
Response: 107457324
Conc: 53.80 ng/ml



#7 delta-BHC

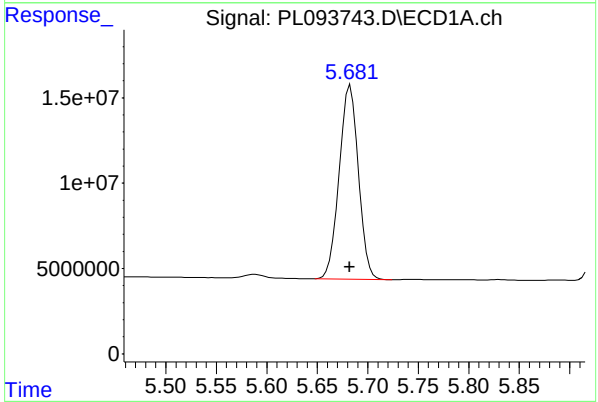
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 181463119
Conc: 51.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



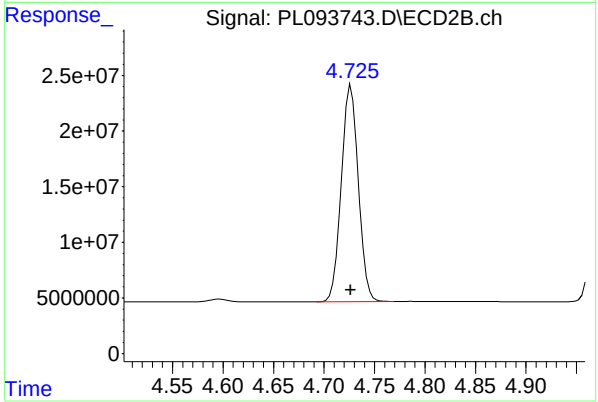
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 260806257
Conc: 54.89 ng/ml



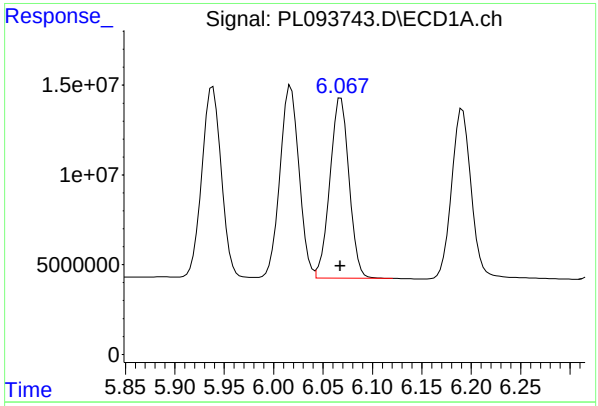
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 150865872
Conc: 50.73 ng/ml



#8 Heptachlor epoxide

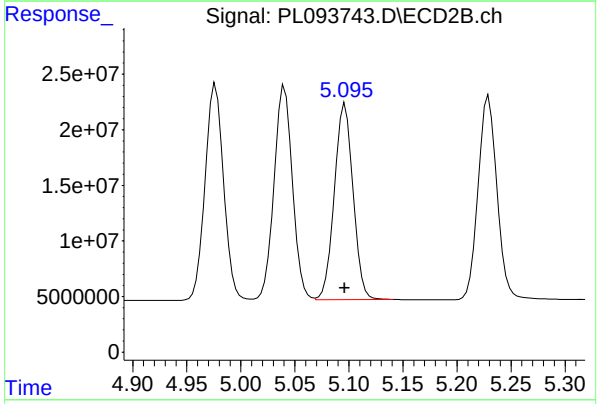
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 228406178
Conc: 54.64 ng/ml



#9 Endosulfan I

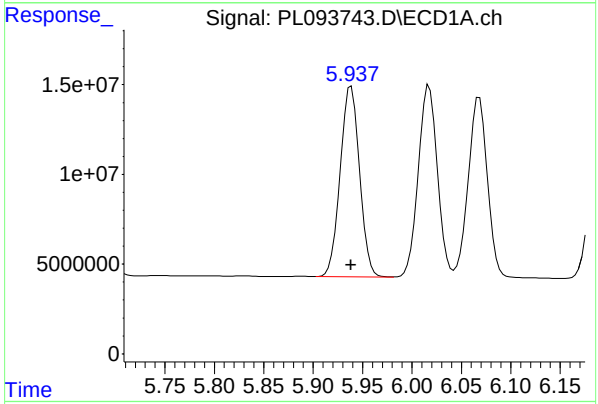
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 134808929
Conc: 51.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



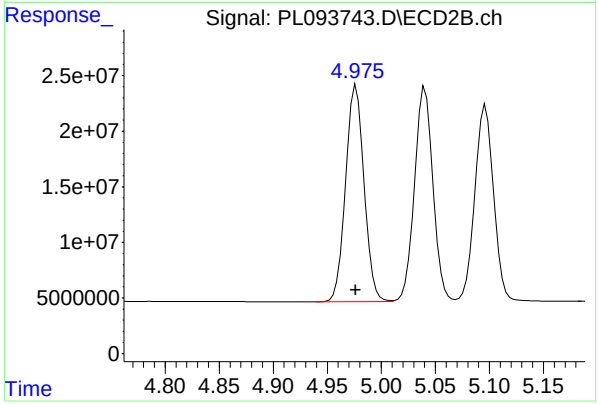
#9 Endosulfan I

R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 212043680
Conc: 54.69 ng/ml



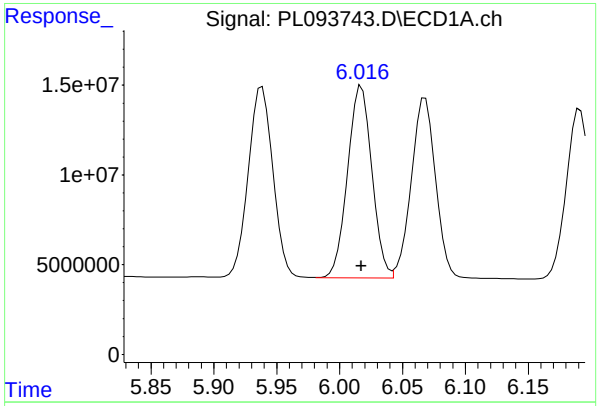
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 144611164
Conc: 51.88 ng/ml



#10 gamma-Chlordane

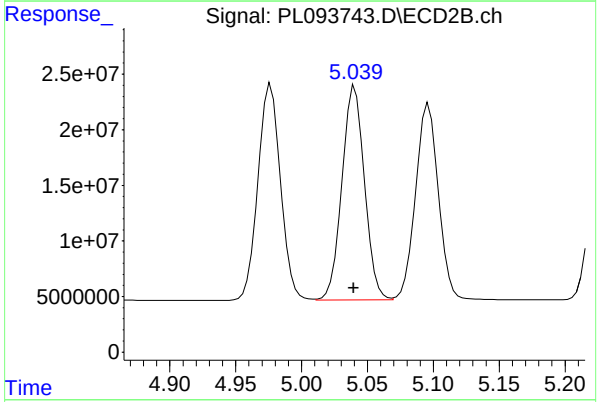
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 231285603
Conc: 54.58 ng/ml



#11 alpha-Chlordane

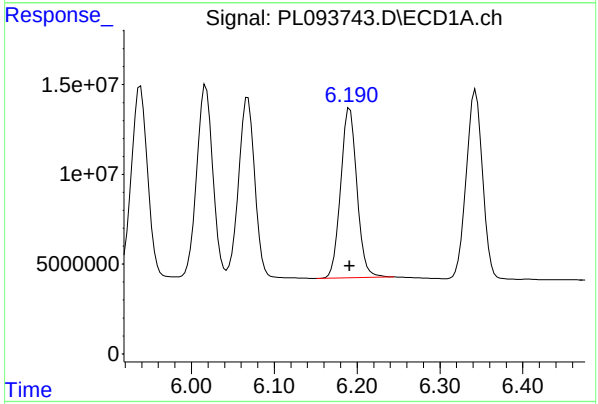
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 143803294
Conc: 51.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



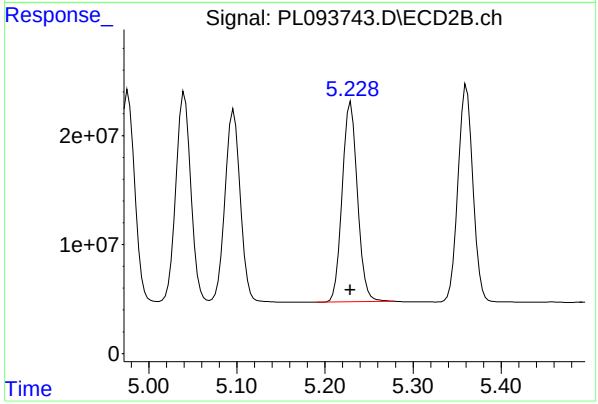
#11 alpha-Chlordane

R.T.: 5.041 min
Delta R.T.: 0.001 min
Response: 228422304
Conc: 54.56 ng/ml



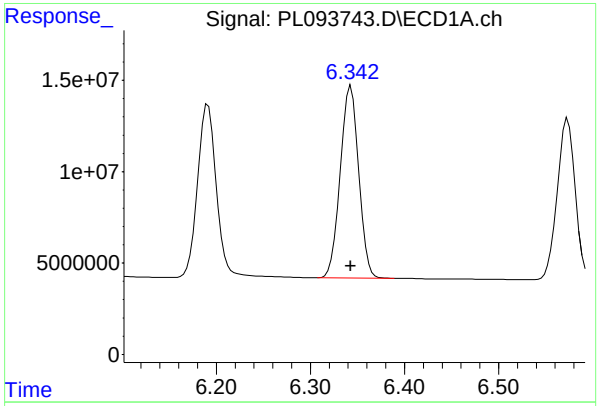
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 129128935
Conc: 53.04 ng/ml



#12 4,4'-DDE

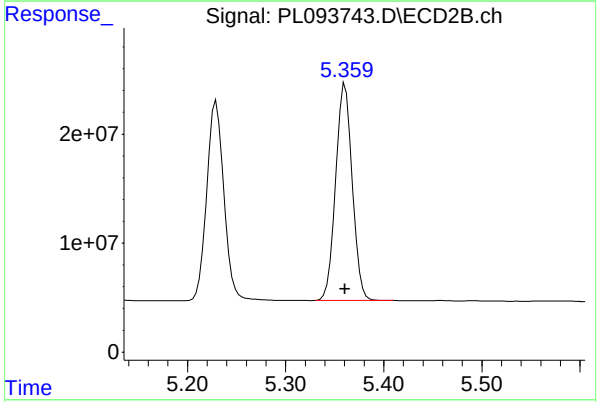
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 221359531
Conc: 55.21 ng/ml



#13 Dieldrin

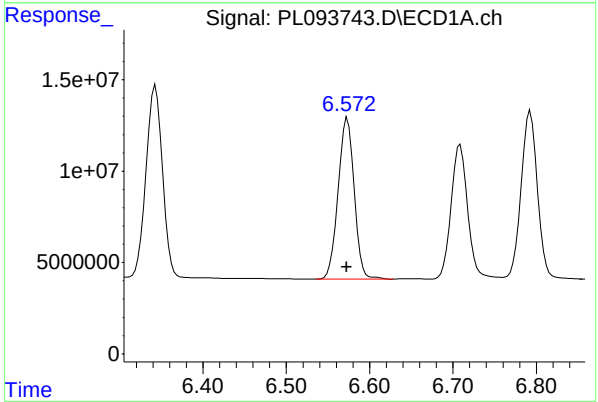
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 143369662
Conc: 51.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



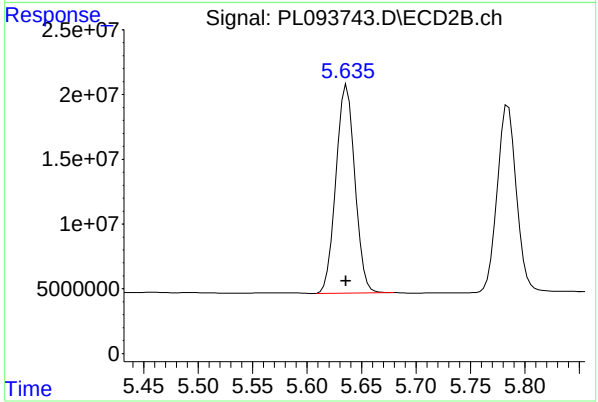
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 234235081
Conc: 54.53 ng/ml



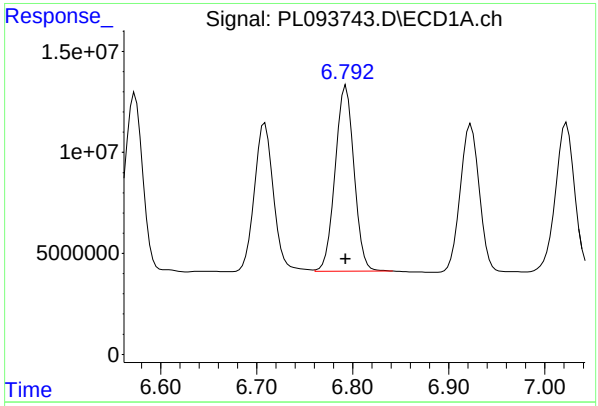
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 118416700
Conc: 50.50 ng/ml



#14 Endrin

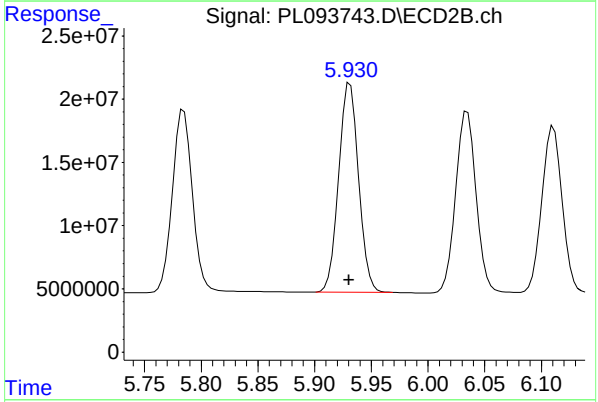
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 194001333
Conc: 52.54 ng/ml



#15 Endosulfan II

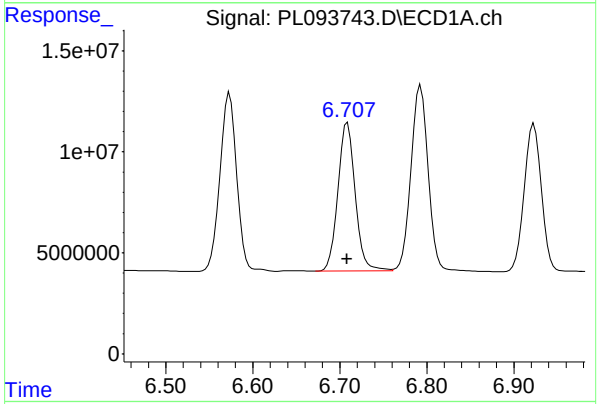
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 124234027
Conc: 51.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



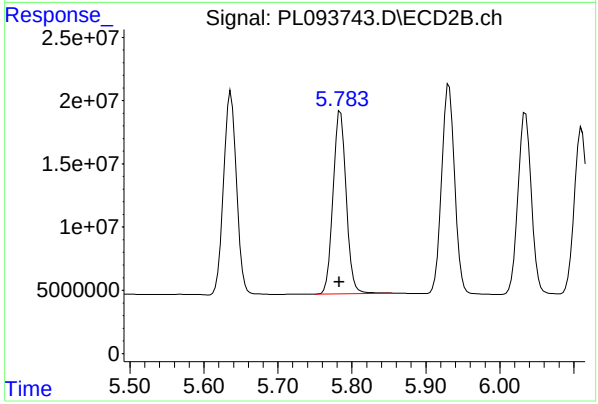
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.001 min
Response: 202005610
Conc: 54.54 ng/ml



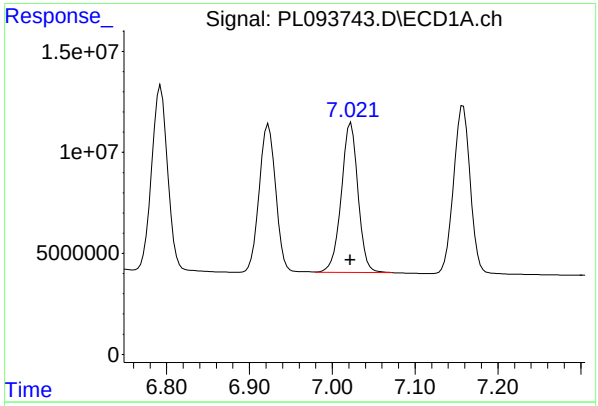
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 101868364
Conc: 53.60 ng/ml



#16 4,4'-DDD

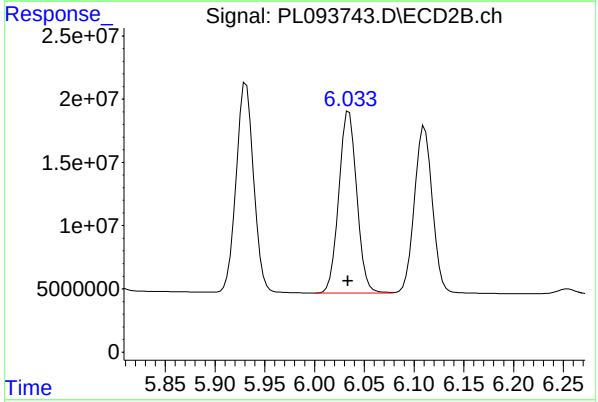
R.T.: 5.785 min
Delta R.T.: 0.001 min
Response: 178390286
Conc: 56.51 ng/ml



#17 4,4'-DDT

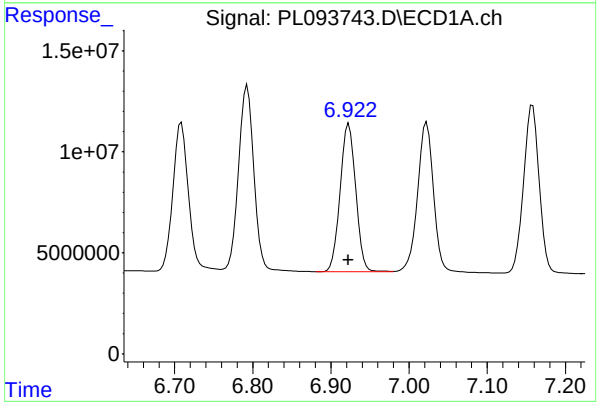
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 104247092
Conc: 52.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



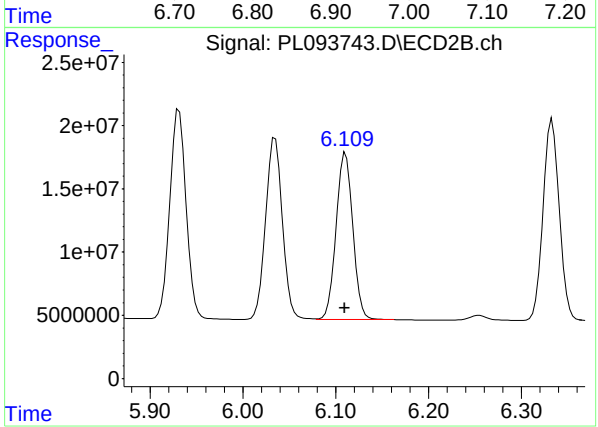
#17 4,4'-DDT

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 181287401
Conc: 55.71 ng/ml



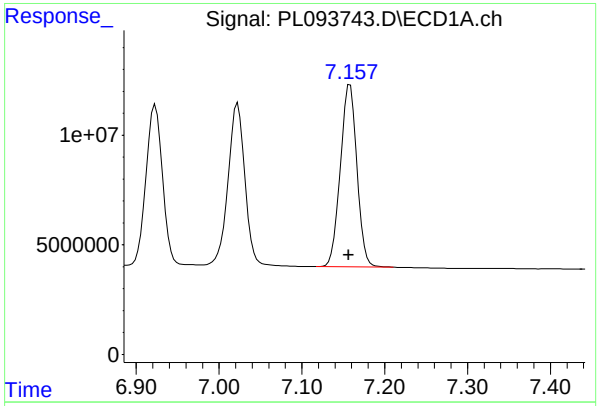
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 101761385
Conc: 52.34 ng/ml



#18 Endrin aldehyde

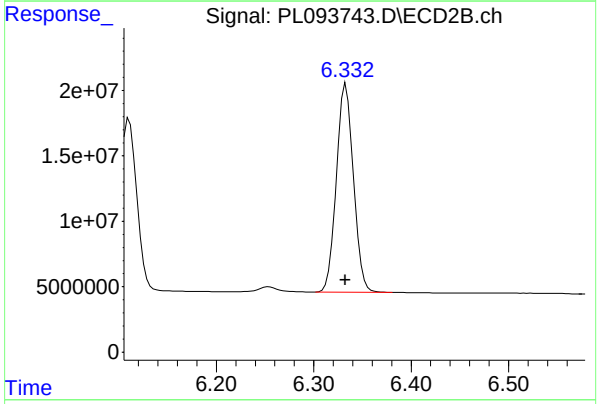
R.T.: 6.111 min
Delta R.T.: 0.001 min
Response: 165320369
Conc: 54.30 ng/ml



#19 Endosulfan Sulfate

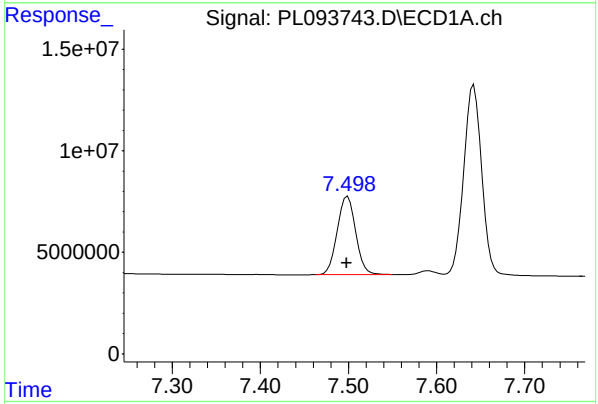
R.T.: 7.158 min
Delta R.T.: 0.002 min
Response: 115863257
Conc: 51.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



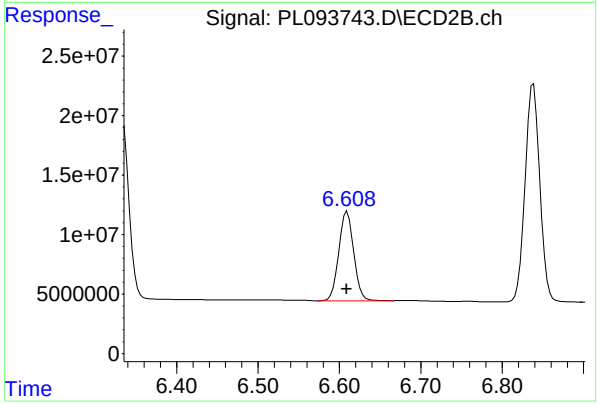
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 193788608
Conc: 54.34 ng/ml



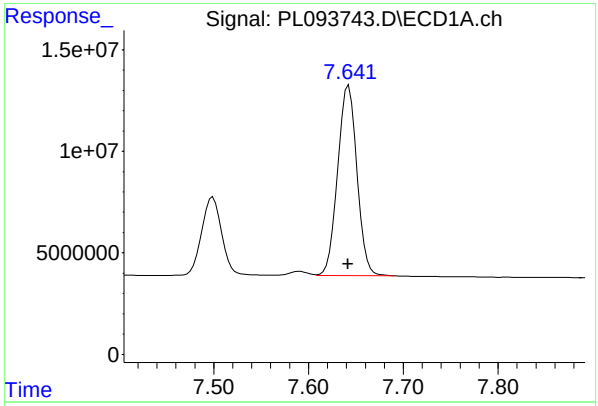
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 56233890
Conc: 53.90 ng/ml



#20 Methoxychlor

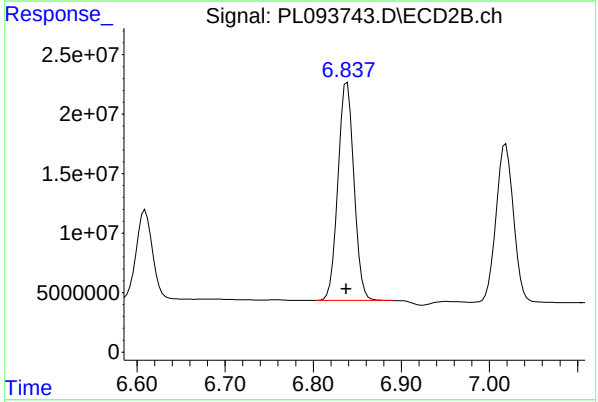
R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 95758805
Conc: 53.55 ng/ml



#21 Endrin ketone

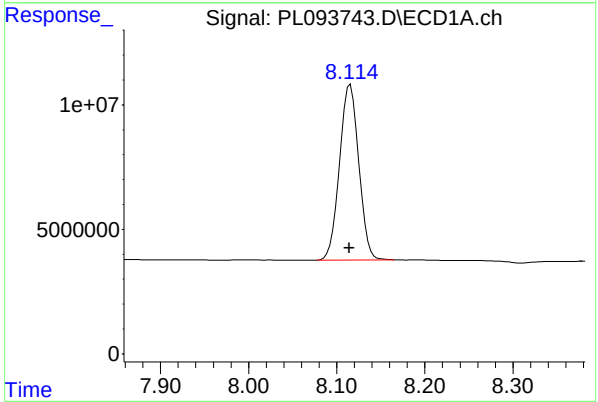
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 132246340
Conc: 52.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



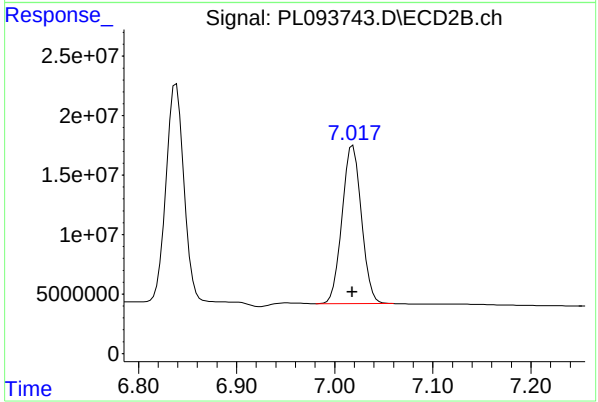
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 231241910
Conc: 55.12 ng/ml



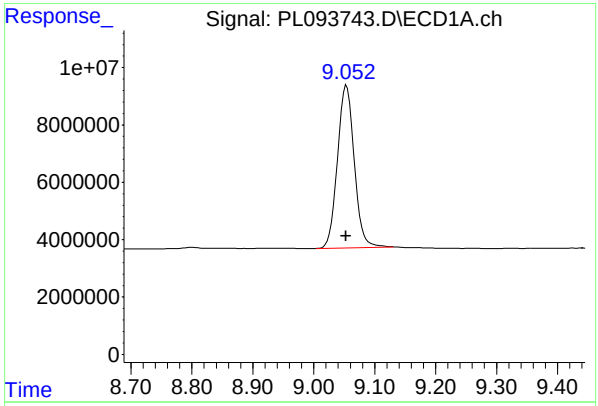
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 106911145
Conc: 51.34 ng/ml



#22 Mirex

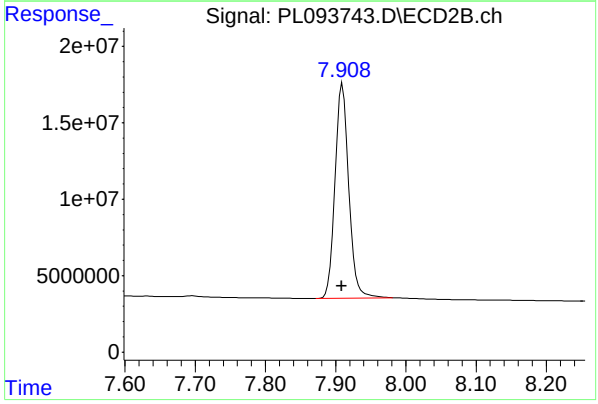
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 182637497
Conc: 54.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.001 min
Response: 108726317
Conc: 51.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.001 min
Response: 190831116
Conc: 54.46 ng/ml

Alliance TECHNICAL GROUP
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.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/19/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 17:47 **Initial Calibration Time(s):** 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.05	9.05	8.95	9.15	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	4.00	3.90	4.10	0.01
beta-BHC	4.52	4.53	4.43	4.63	0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.91	4.81	5.01	0.00
Aldrin	5.25	5.26	5.16	5.36	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	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	7.16	7.06	7.26	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.01
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/19/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 17:47 **Initial Calibration Time(s):** 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.27	3.28	3.18	3.38	0.01
beta-BHC	3.90	3.91	3.81	4.01	0.01
delta-BHC	4.13	4.14	4.04	4.24	0.01
gamma-BHC (Lindane)	3.60	3.61	3.51	3.71	0.01
Heptachlor	3.94	3.95	3.85	4.05	0.01
Aldrin	4.22	4.23	4.13	4.33	0.01
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endosulfan I	5.09	5.10	5.00	5.20	0.01
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.23	5.23	5.13	5.33	0.01
Endrin	5.63	5.64	5.54	5.74	0.01
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.03	6.03	5.93	6.13	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.83	6.84	6.74	6.94	0.01
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.97	4.98	4.88	5.08	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 02/19/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094271.D **Time Analyzed:** 17:47

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.707	6.608	6.808	50.780	50.000	1.6
4,4'-DDE	6.190	6.091	6.291	52.910	50.000	5.8
4,4'-DDT	7.020	6.922	7.122	51.960	50.000	3.9
Aldrin	5.254	5.156	5.356	50.720	50.000	1.4
alpha-BHC	3.993	3.895	4.095	48.170	50.000	-3.7
alpha-Chlordane	6.015	5.917	6.117	50.340	50.000	0.7
beta-BHC	4.524	4.425	4.625	48.560	50.000	-2.9
Decachlorobiphenyl	9.049	8.953	9.153	49.420	50.000	-1.2
delta-BHC	4.771	4.672	4.872	50.440	50.000	0.9
Dieldrin	6.341	6.243	6.443	50.030	50.000	0.1
Endosulfan I	6.066	5.967	6.167	49.940	50.000	-0.1
Endosulfan II	6.792	6.692	6.892	49.470	50.000	-1.1
Endosulfan sulfate	7.156	7.057	7.257	48.620	50.000	-2.8
Endrin	6.569	6.472	6.672	49.940	50.000	-0.1
Endrin aldehyde	6.921	6.823	7.023	49.230	50.000	-1.5
Endrin ketone	7.640	7.542	7.742	49.150	50.000	-1.7
gamma-BHC (Lindane)	4.325	4.227	4.427	48.860	50.000	-2.3
gamma-Chlordane	5.937	5.838	6.038	50.830	50.000	1.7
Heptachlor	4.911	4.814	5.014	50.990	50.000	2.0
Heptachlor epoxide	5.681	5.582	5.782	49.790	50.000	-0.4
Methoxychlor	7.497	7.398	7.598	53.520	50.000	7.0
Tetrachloro-m-xylene	3.537	3.439	3.639	47.140	50.000	-5.7

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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.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 02/19/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094271.D **Time Analyzed:** 17:47

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.779	5.684	5.884	54.710	50.000	9.4
4,4'-DDE	5.225	5.130	5.330	54.240	50.000	8.5
4,4'-DDT	6.028	5.934	6.134	57.520	50.000	15.0
Aldrin	4.221	4.125	4.325	52.930	50.000	5.9
alpha-BHC	3.274	3.177	3.377	51.760	50.000	3.5
alpha-Chlordane	5.036	4.940	5.140	53.250	50.000	6.5
beta-BHC	3.904	3.807	4.007	51.450	50.000	2.9
Decachlorobiphenyl	7.905	7.810	8.010	55.250	50.000	10.5
delta-BHC	4.132	4.036	4.236	52.500	50.000	5.0
Dieldrin	5.355	5.261	5.461	53.150	50.000	6.3
Endosulfan I	5.092	4.996	5.196	53.260	50.000	6.5
Endosulfan II	5.926	5.831	6.031	53.850	50.000	7.7
Endosulfan sulfate	6.327	6.233	6.433	53.880	50.000	7.8
Endrin	5.630	5.536	5.736	54.370	50.000	8.7
Endrin aldehyde	6.106	6.010	6.210	52.860	50.000	5.7
Endrin ketone	6.834	6.739	6.939	53.900	50.000	7.8
gamma-BHC (Lindane)	3.603	3.507	3.707	52.000	50.000	4.0
gamma-Chlordane	4.973	4.877	5.077	53.200	50.000	6.4
Heptachlor	3.942	3.845	4.045	52.750	50.000	5.5
Heptachlor epoxide	4.723	4.627	4.827	52.950	50.000	5.9
Methoxychlor	6.605	6.509	6.709	55.990	50.000	12.0
Tetrachloro-m-xylene	2.771	2.674	2.874	50.220	50.000	0.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094271.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 17:47
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:14:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.537	2.771	126.9E6	163.9E6	47.143	50.221
28) SA	Decachlor...	9.049	7.905	103.4E6	193.6E6	49.420	55.252
	Target Compounds						
2) A	alpha-BHC	3.993	3.274	184.7E6	253.1E6	48.171	51.762
3) MA	gamma-BHC...	4.325	3.603	179.9E6	246.5E6	48.862	52.001
4) MA	Heptachlor	4.911	3.942	167.1E6	245.5E6	50.988m	52.747
5) MB	Aldrin	5.254	4.221	165.9E6	241.5E6	50.718	52.930
6) B	beta-BHC	4.524	3.904	78052179	102.8E6	48.560	51.454
7) B	delta-BHC	4.771	4.132	176.8E6	249.5E6	50.443	52.505
8) B	Heptachlo...	5.681	4.723	148.1E6	221.4E6	49.790	52.952
9) A	Endosulfan I	6.066	5.092	132.0E6	206.5E6	49.945	53.260
10) B	gamma-Chl...	5.937	4.973	141.7E6	225.5E6	50.832	53.204
11) B	alpha-Chl...	6.015	5.036	140.4E6	223.0E6	50.344	53.255
12) B	4,4'-DDE	6.190	5.225	128.8E6	217.5E6	52.912	54.235
13) MA	Dieldrin	6.341	5.355	138.9E6	228.3E6	50.029	53.151m
14) MA	Endrin	6.569	5.630	117.1E6	200.8E6	49.940m	54.368m
15) B	Endosulfa...	6.792	5.926	119.2E6	199.5E6	49.475	53.854m
16) A	4,4'-DDD	6.707	5.779	96506849	172.7E6	50.778	54.708m
17) MA	4,4'-DDT	7.020	6.028	102.5E6	187.2E6	51.960	57.519m
18) B	Endrin al...	6.921	6.106	95712031	161.0E6	49.233	52.865
19) B	Endosulfa...	7.156	6.327	110.1E6	192.2E6	48.623	53.884m
20) A	Methoxychlor	7.497	6.605	55837834	100.1E6	53.515	55.990
21) B	Endrin ke...	7.640	6.834	124.0E6	226.1E6	49.149	53.902
22)	Mirex	8.113	7.014	101.0E6	184.3E6	48.496	54.505

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

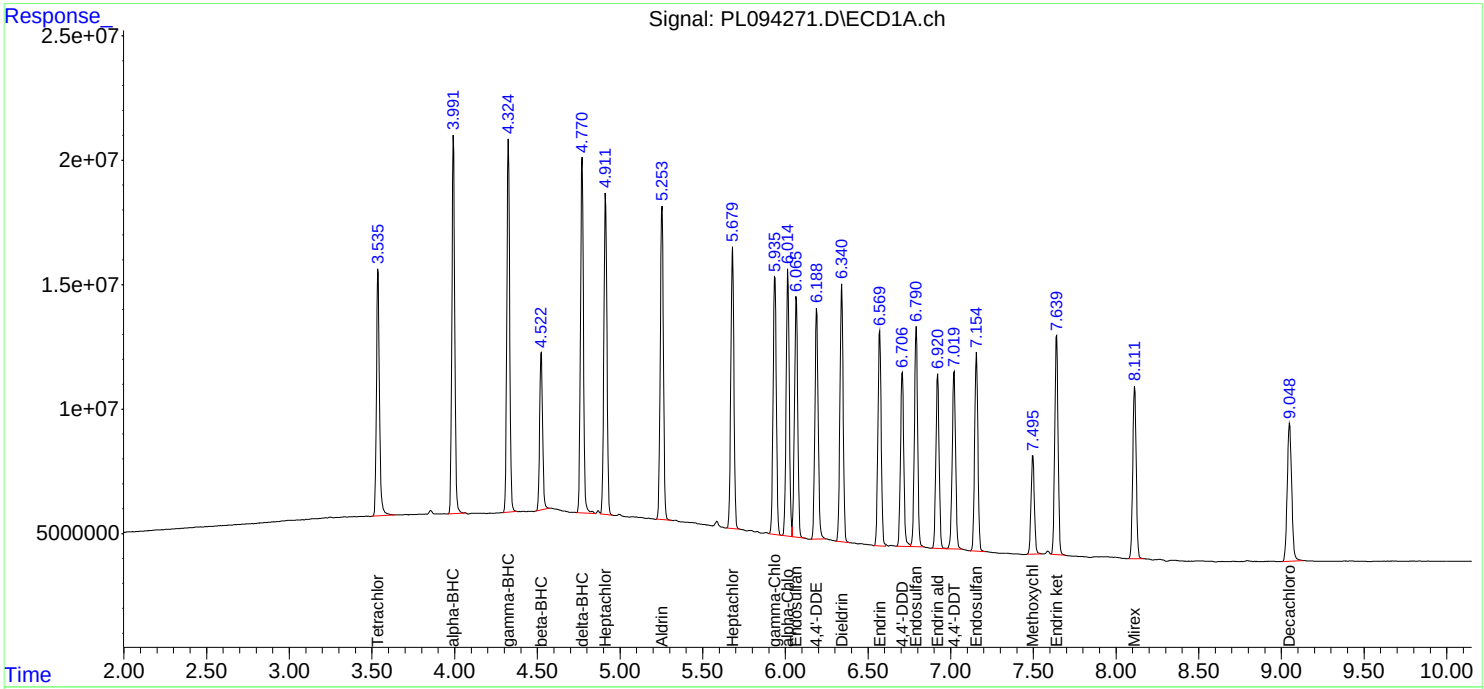
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094271.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 17:47
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

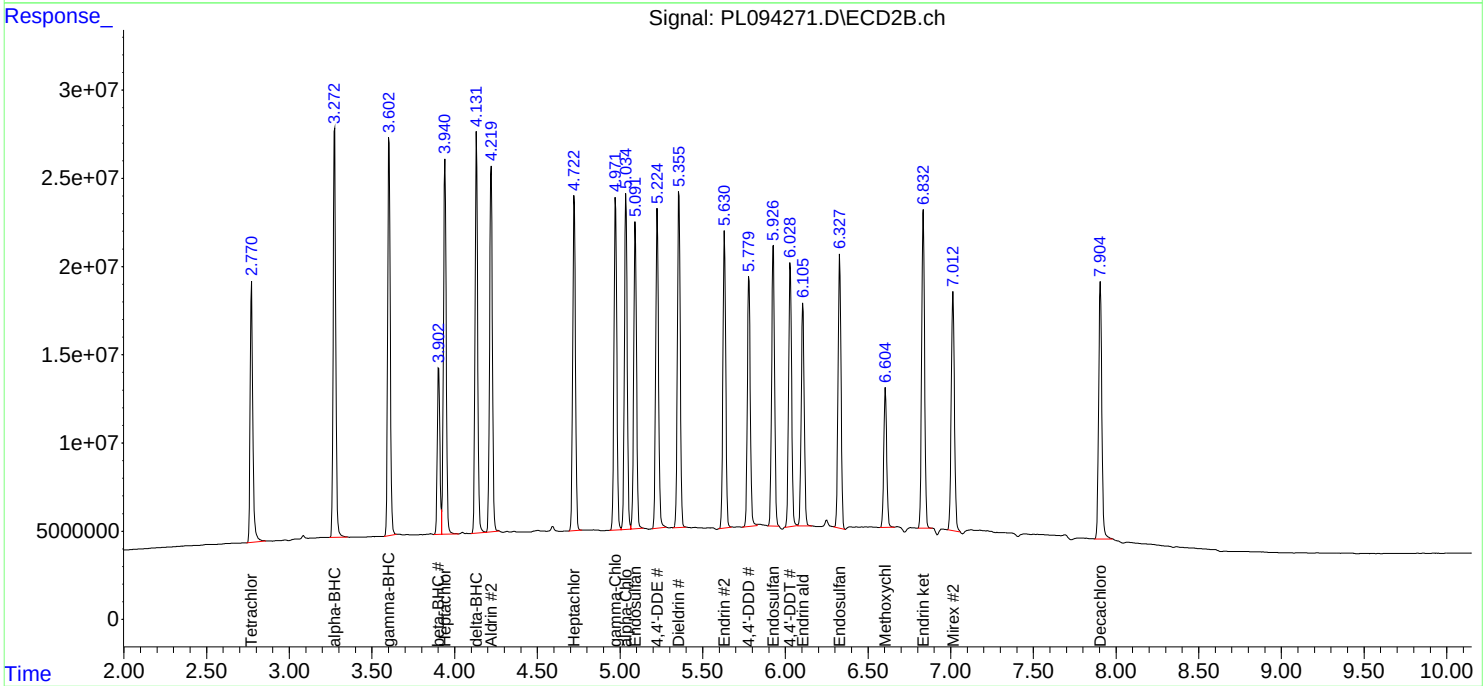
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

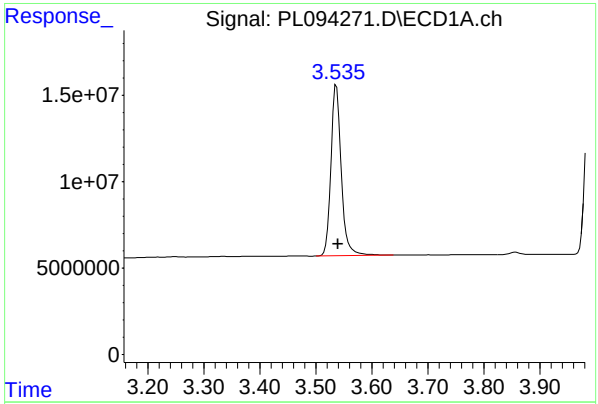
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:14:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







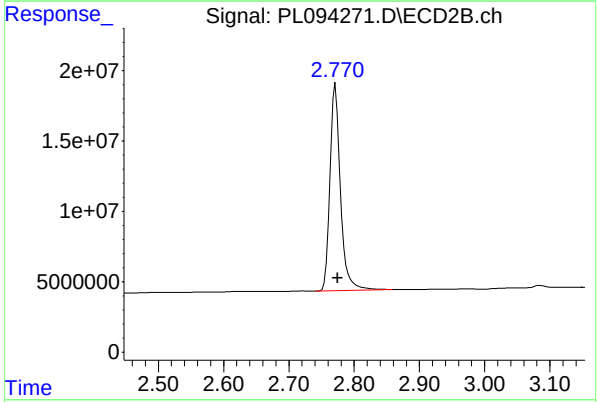
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 126945775
Conc: 47.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

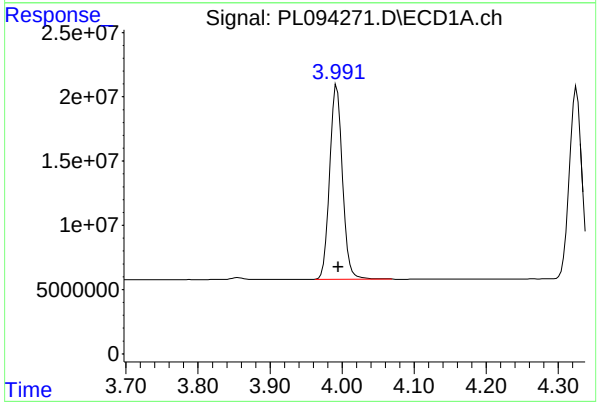
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



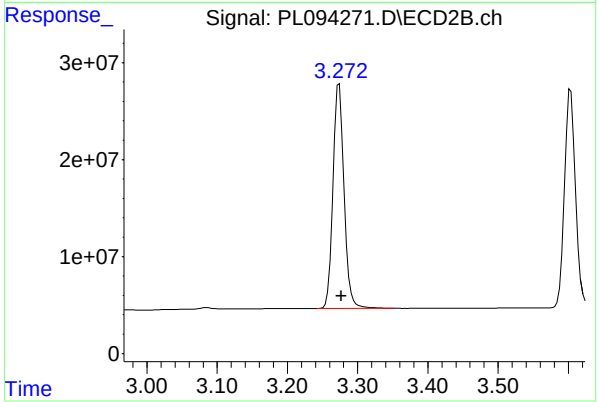
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 163929334
Conc: 50.22 ng/ml



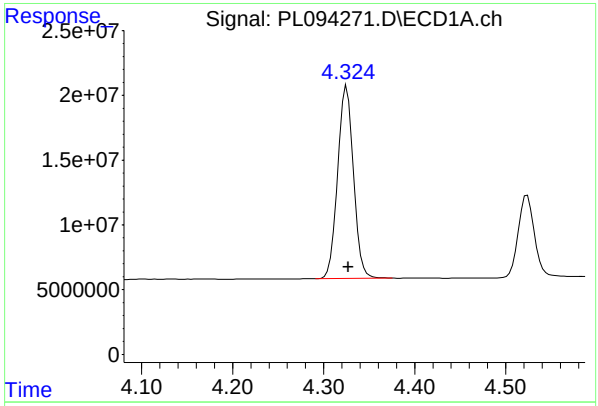
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.002 min
Response: 184680350
Conc: 48.17 ng/ml



#2 alpha-BHC

R.T.: 3.274 min
Delta R.T.: -0.003 min
Response: 253065338
Conc: 51.76 ng/ml



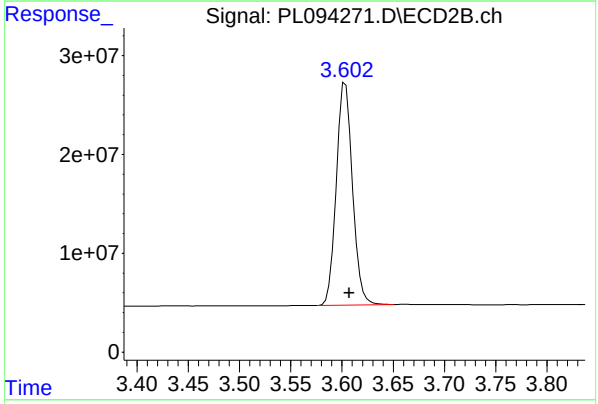
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 mi
Response: 179949609
Conc: 48.86 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

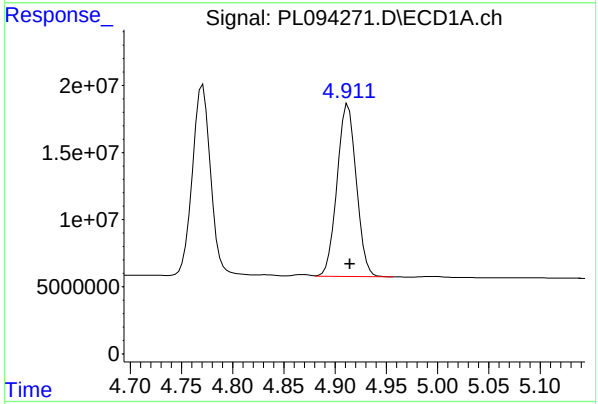
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



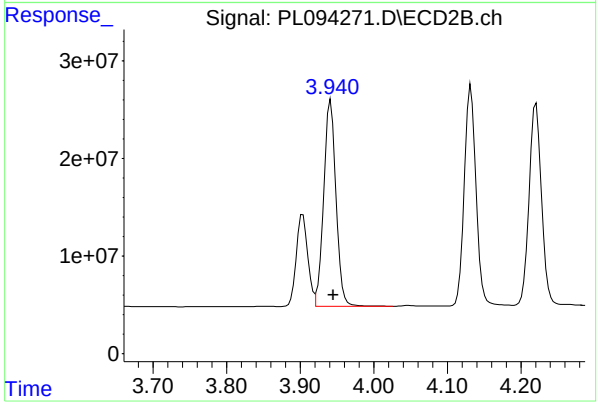
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.004 min
Response: 246547370
Conc: 52.00 ng/ml



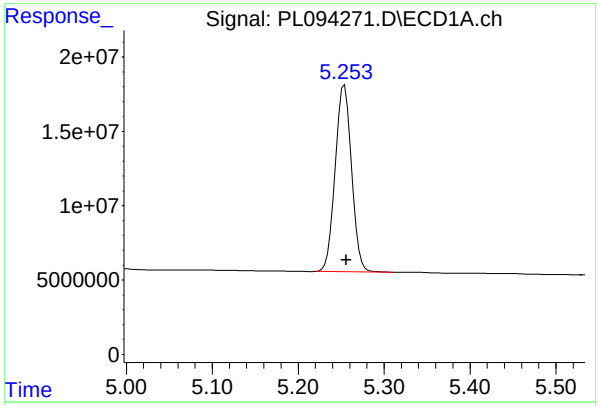
#4 Heptachlor

R.T.: 4.911 min
Delta R.T.: -0.003 min
Response: 167104000
Conc: 50.99 ng/ml m



#4 Heptachlor

R.T.: 3.942 min
Delta R.T.: -0.004 min
Response: 245524682
Conc: 52.75 ng/ml



#5 Aldrin

R.T.: 5.254 min
Delta R.T.: -0.002 min
Response: 165949100
Conc: 50.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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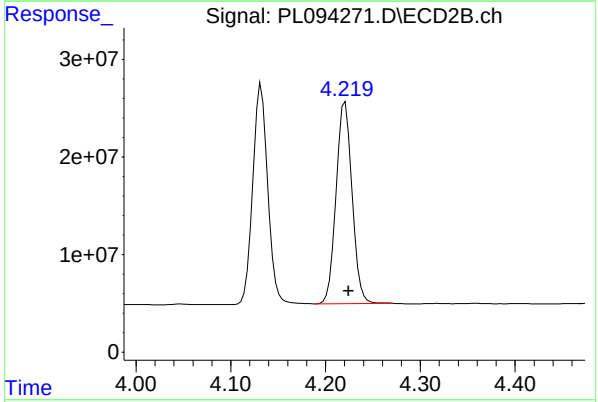
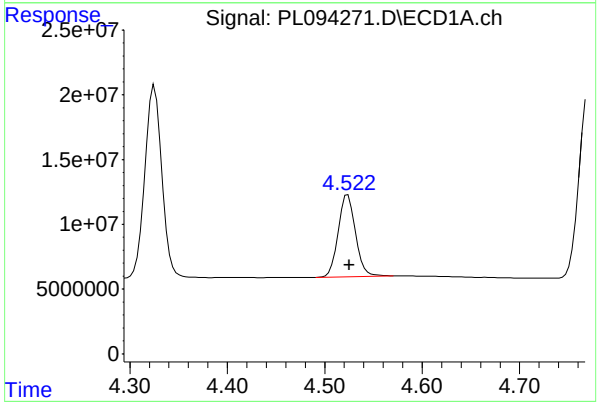
Supervised By :Ankita Jodhani 02/20/2025



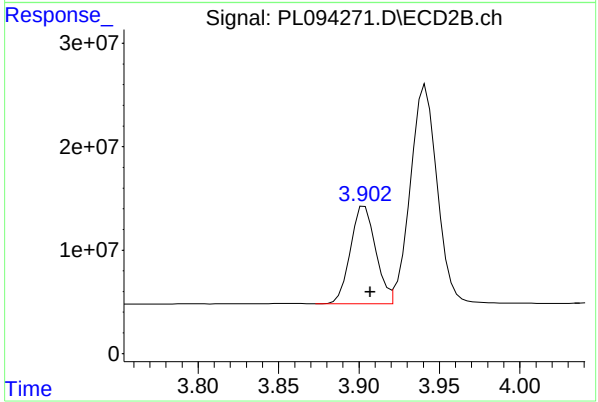
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: -0.004 min
Response: 241458065
Conc: 52.93 ng/ml



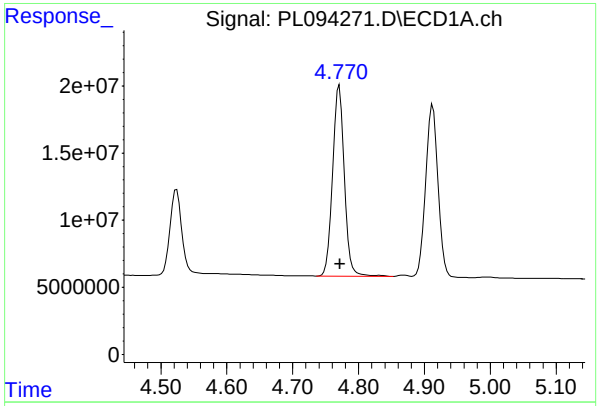
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.001 min
Response: 78052179
Conc: 48.56 ng/ml



#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 102776604
Conc: 51.45 ng/ml



#7 delta-BHC

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 176818073
Conc: 50.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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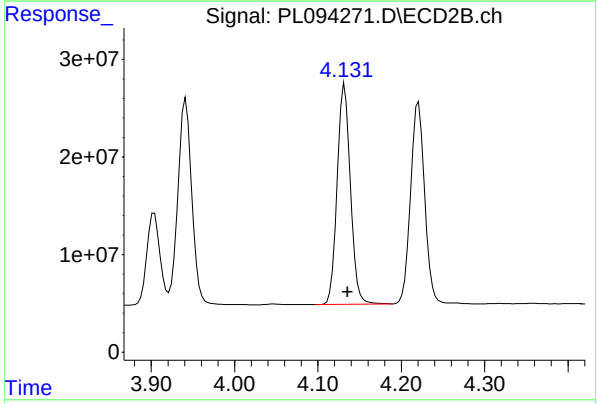
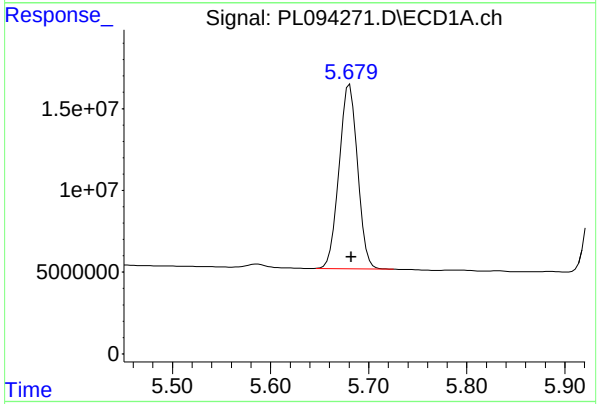


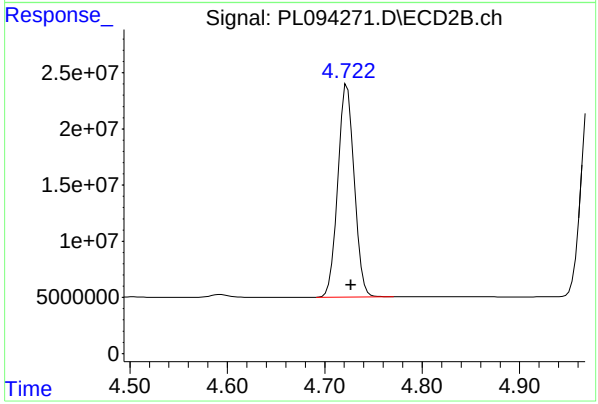
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.003 min
Response: 249462609
Conc: 52.50 ng/ml



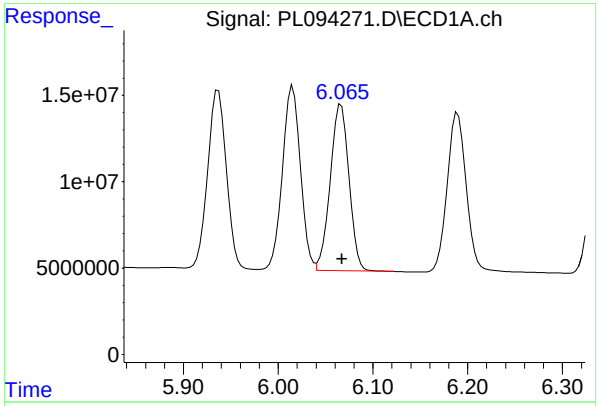
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.002 min
Response: 148068074
Conc: 49.79 ng/ml



#8 Heptachlor epoxide

R.T.: 4.723 min
Delta R.T.: -0.004 min
Response: 221351908
Conc: 52.95 ng/ml



#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: 0.000 min
Response: 131996359
Conc: 49.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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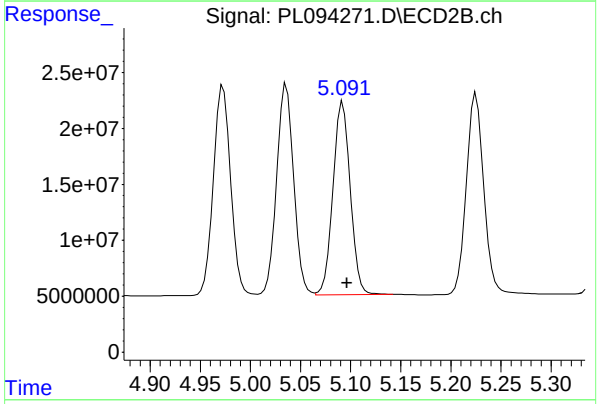
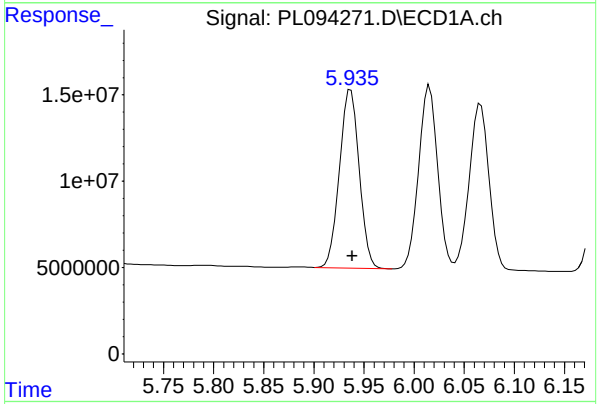


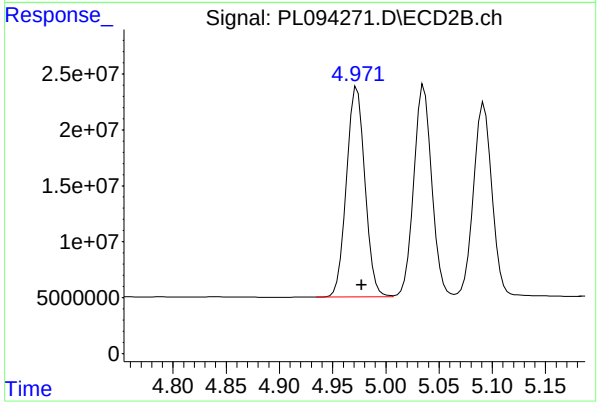
#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: -0.004 min
Response: 206482891
Conc: 53.26 ng/ml



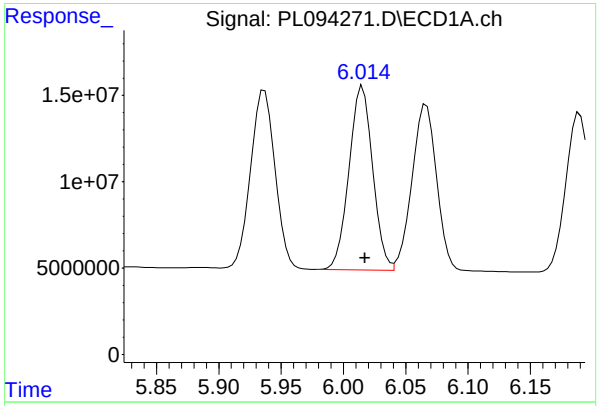
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.002 min
Response: 141686421
Conc: 50.83 ng/ml



#10 gamma-Chlordane

R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 225457640
Conc: 53.20 ng/ml



#11 alpha-Chlordane

R.T.: 6.015 min
Delta R.T.: -0.002 min
Response: 140378806
Conc: 50.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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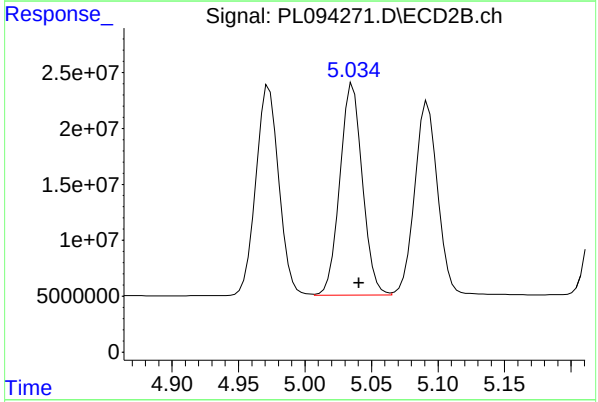
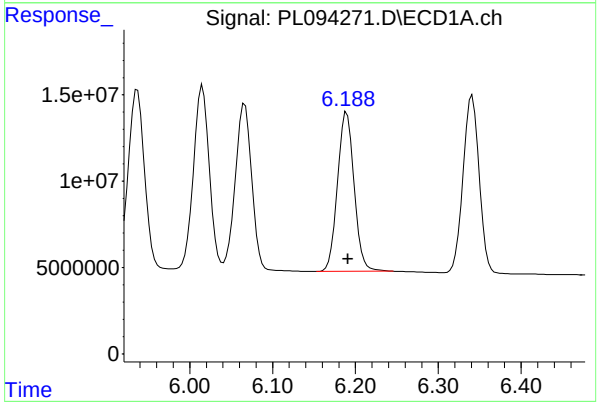


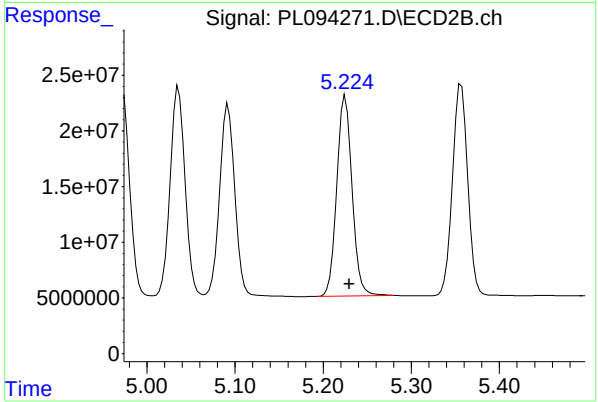
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: -0.005 min
Response: 222955415
Conc: 53.25 ng/ml



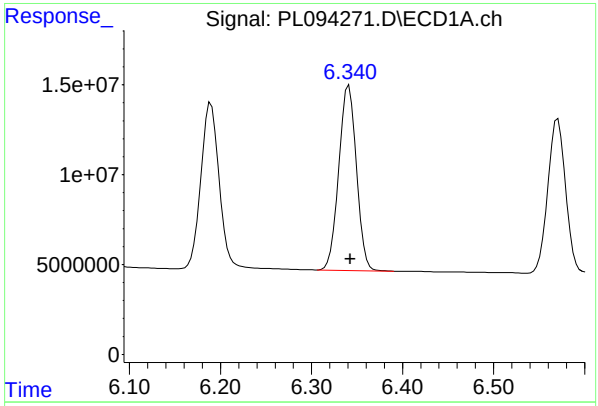
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.002 min
Response: 128818827
Conc: 52.91 ng/ml



#12 4,4'-DDE

R.T.: 5.225 min
Delta R.T.: -0.004 min
Response: 217454593
Conc: 54.24 ng/ml



#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.002 mi
Response: 138874400
Conc: 50.03 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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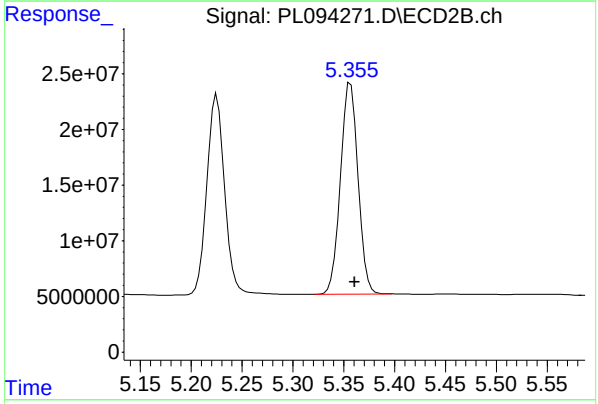
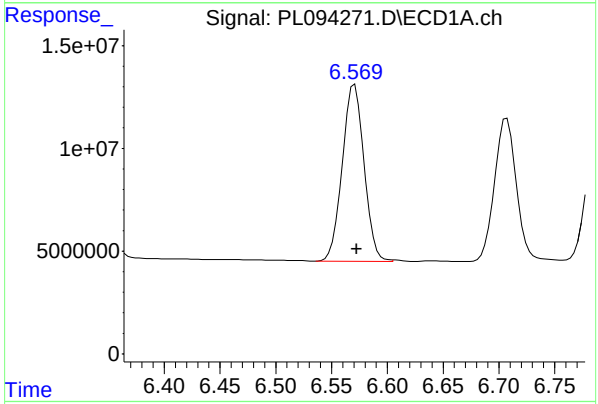


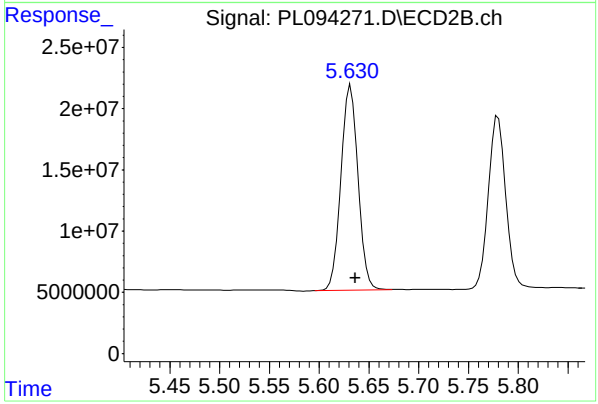
#13 Dieldrin

R.T.: 5.355 min
Delta R.T.: -0.006 min
Response: 228316810
Conc: 53.15 ng/ml m



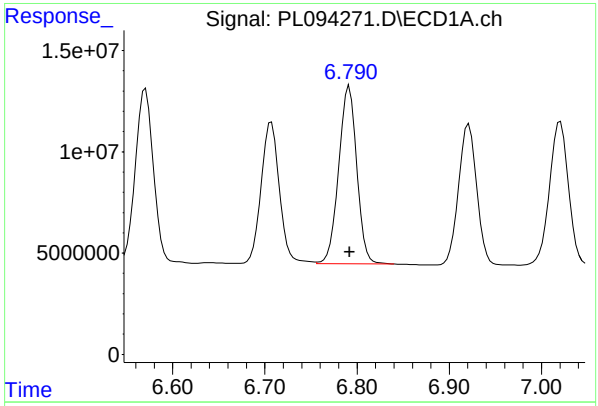
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.003 min
Response: 117101152
Conc: 49.94 ng/ml m



#14 Endrin

R.T.: 5.630 min
Delta R.T.: -0.006 min
Response: 200764704
Conc: 54.37 ng/ml m



#15 Endosulfan II

R.T.: 6.792 min
Delta R.T.: 0.000 mi
Response: 119201640
Conc: 49.47 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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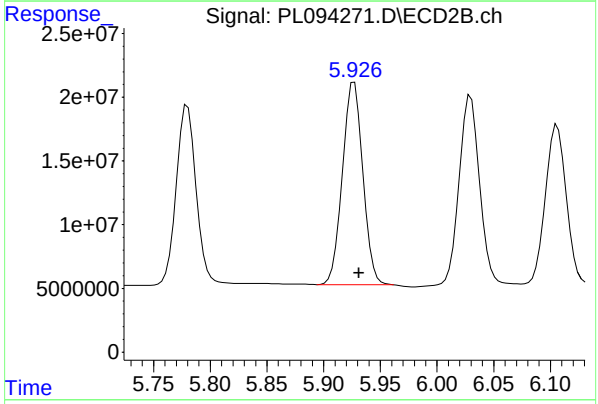
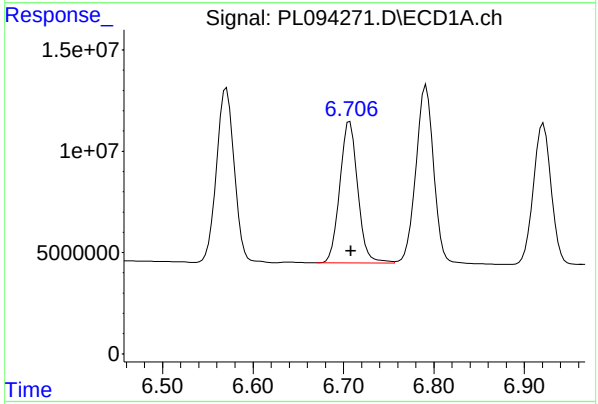


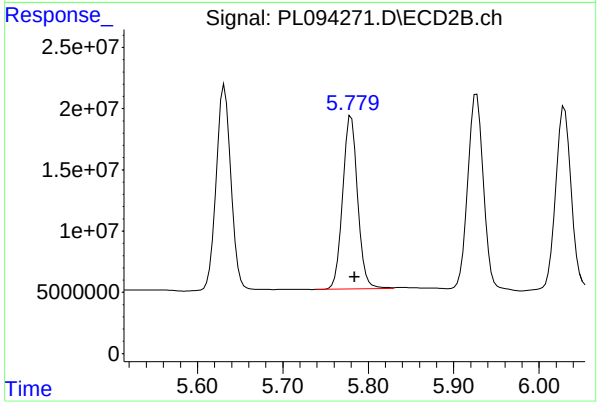
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: -0.006 min
Response: 199465495
Conc: 53.85 ng/ml m



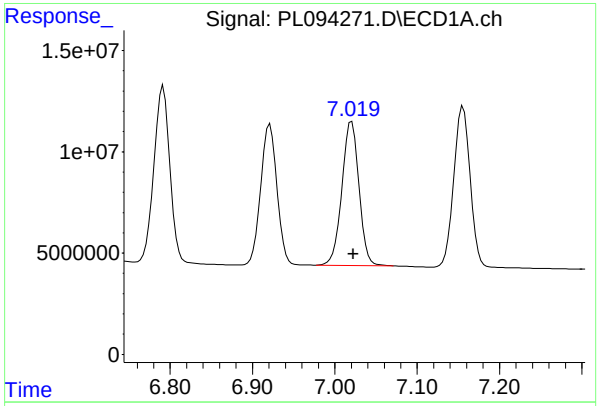
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.001 min
Response: 96506849
Conc: 50.78 ng/ml



#16 4,4'-DDD

R.T.: 5.779 min
Delta R.T.: -0.006 min
Response: 172688143
Conc: 54.71 ng/ml m



#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.002 min
Response: 102468412
Conc: 51.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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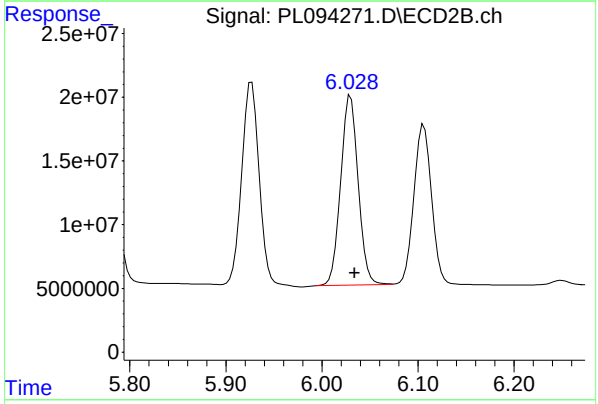
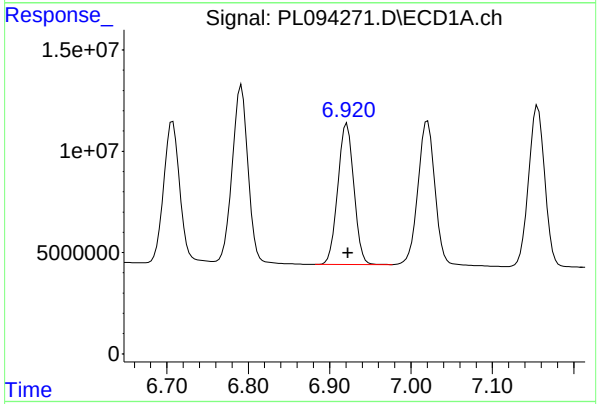


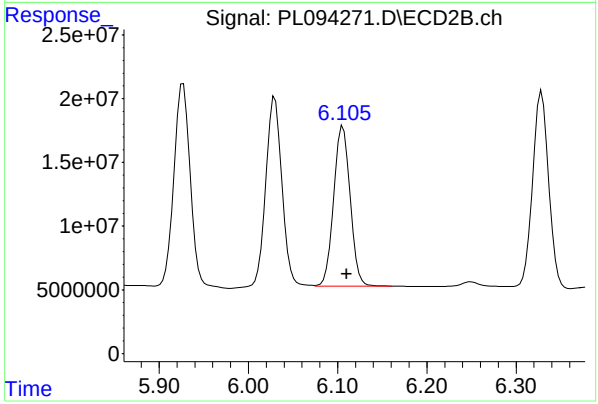
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.006 min
Response: 187168751
Conc: 57.52 ng/ml m



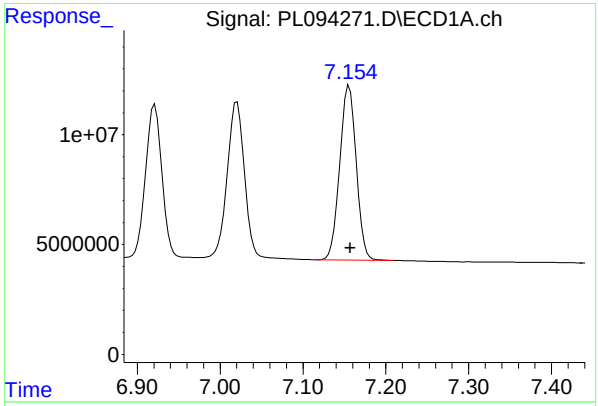
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.002 min
Response: 95712031
Conc: 49.23 ng/ml



#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: -0.004 min
Response: 160954390
Conc: 52.86 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.156 min
Delta R.T.: -0.001 mi
Response: 110069056
Conc: 48.62 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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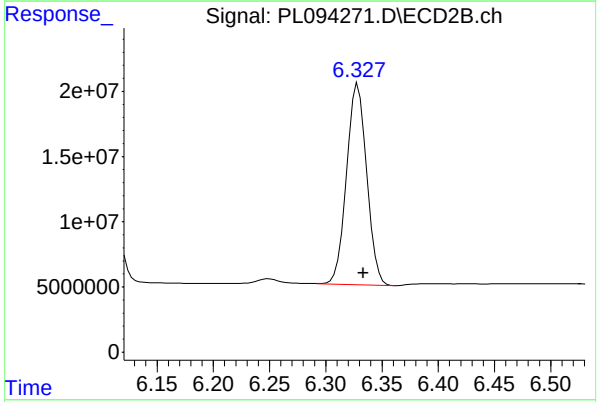
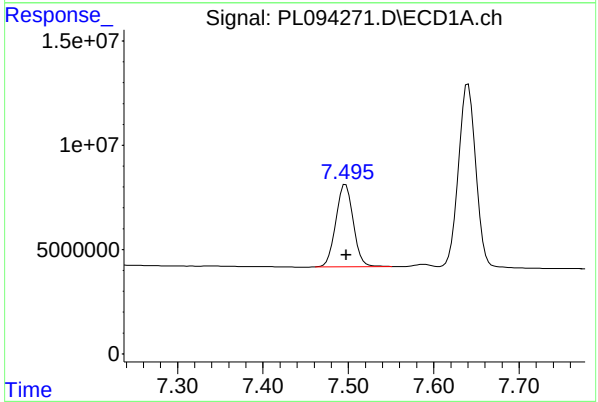


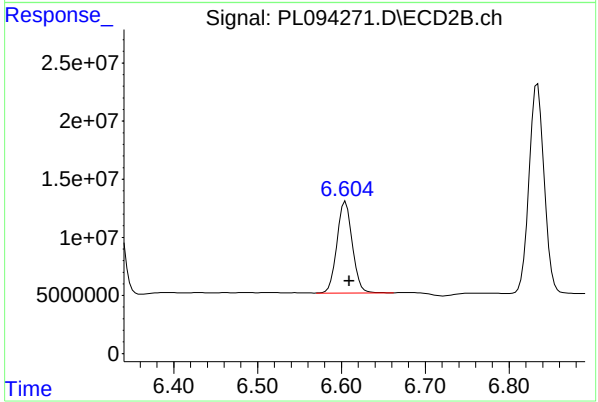
#19 Endosulfan Sulfate

R.T.: 6.327 min
Delta R.T.: -0.006 min
Response: 192154190
Conc: 53.88 ng/ml m



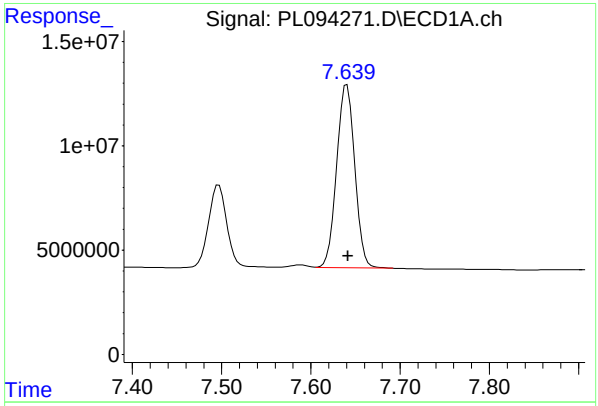
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.001 min
Response: 55837834
Conc: 53.52 ng/ml



#20 Methoxychlor

R.T.: 6.605 min
Delta R.T.: -0.004 min
Response: 100117813
Conc: 55.99 ng/ml



#21 Endrin ketone

R.T.: 7.640 min
Delta R.T.: -0.001 min
Response: 123984963
Conc: 49.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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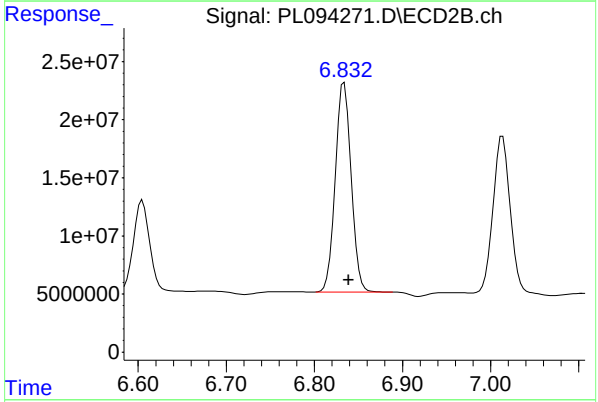
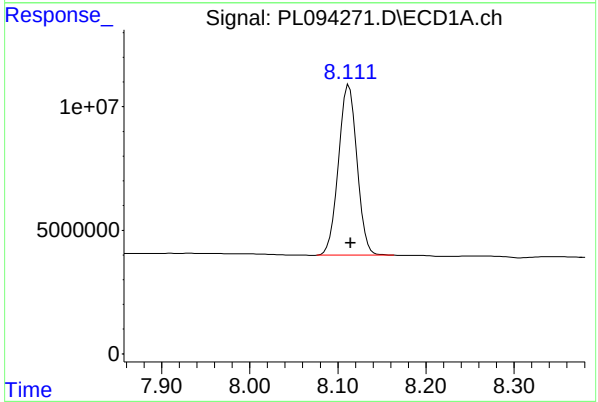


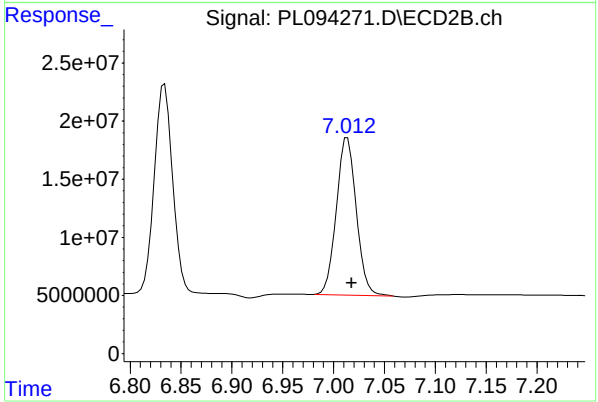
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: -0.005 min
Response: 226132509
Conc: 53.90 ng/ml



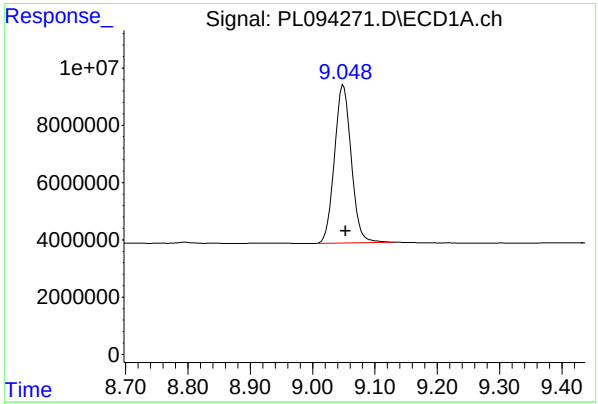
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.002 min
Response: 100992847
Conc: 48.50 ng/ml



#22 Mirex

R.T.: 7.014 min
Delta R.T.: -0.004 min
Response: 184331019
Conc: 54.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.003 min
Response: 103382611
Conc: 49.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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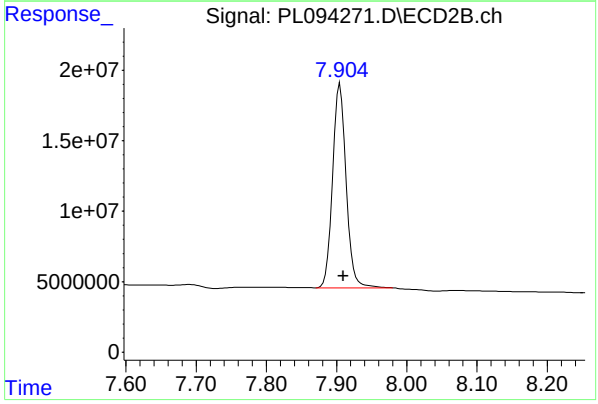

#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 193607995
Conc: 55.25 ng/ml

Alliance TECHNICAL GROUP
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.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/19/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 21:10 **Initial Calibration Time(s):** 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.05	9.05	8.95	9.15	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	4.00	3.90	4.10	0.01
beta-BHC	4.52	4.53	4.43	4.63	0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.91	4.81	5.01	0.00
Aldrin	5.25	5.26	5.16	5.36	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	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	7.16	7.06	7.26	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.01
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/19/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 21:10 **Initial Calibration Time(s):** 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.27	3.28	3.18	3.38	0.01
beta-BHC	3.90	3.91	3.81	4.01	0.01
delta-BHC	4.13	4.14	4.04	4.24	0.01
gamma-BHC (Lindane)	3.60	3.61	3.51	3.71	0.01
Heptachlor	3.94	3.95	3.85	4.05	0.01
Aldrin	4.22	4.23	4.13	4.33	0.01
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endosulfan I	5.09	5.10	5.00	5.20	0.01
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.23	5.23	5.13	5.33	0.01
Endrin	5.63	5.64	5.54	5.74	0.01
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.03	6.03	5.93	6.13	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.83	6.84	6.74	6.94	0.01
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.97	4.98	4.88	5.08	0.01

Alliance TECHNICAL GROUP

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 02/19/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094286.D **Time Analyzed:** 21:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.706	6.608	6.808	52.470	50.000	4.9
4,4'-DDE	6.189	6.091	6.291	53.290	50.000	6.6
4,4'-DDT	7.020	6.922	7.122	51.410	50.000	2.8
Aldrin	5.254	5.156	5.356	50.190	50.000	0.4
alpha-BHC	3.992	3.895	4.095	48.420	50.000	-3.2
alpha-Chlordane	6.015	5.917	6.117	50.280	50.000	0.6
beta-BHC	4.523	4.425	4.625	48.780	50.000	-2.4
Decachlorobiphenyl	9.050	8.953	9.153	49.710	50.000	-0.6
delta-BHC	4.770	4.672	4.872	49.600	50.000	-0.8
Dieldrin	6.340	6.243	6.443	49.520	50.000	-1.0
Endosulfan I	6.066	5.967	6.167	49.680	50.000	-0.6
Endosulfan II	6.791	6.692	6.892	48.770	50.000	-2.5
Endosulfan sulfate	7.155	7.057	7.257	48.290	50.000	-3.4
Endrin	6.571	6.472	6.672	48.450	50.000	-3.1
Endrin aldehyde	6.921	6.823	7.023	49.370	50.000	-1.3
Endrin ketone	7.640	7.542	7.742	49.370	50.000	-1.3
gamma-BHC (Lindane)	4.325	4.227	4.427	48.760	50.000	-2.5
gamma-Chlordane	5.937	5.838	6.038	50.680	50.000	1.4
Heptachlor	4.912	4.814	5.014	49.310	50.000	-1.4
Heptachlor epoxide	5.680	5.582	5.782	49.510	50.000	-1.0
Methoxychlor	7.496	7.398	7.598	52.820	50.000	5.6
Tetrachloro-m-xylene	3.536	3.439	3.639	47.350	50.000	-5.3

Alliance TECHNICAL GROUP

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.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 02/19/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094286.D **Time Analyzed:** 21:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.780	5.684	5.884	55.680	50.000	11.4
4,4'-DDE	5.225	5.130	5.330	54.060	50.000	8.1
4,4'-DDT	6.029	5.934	6.134	55.020	50.000	10.0
Aldrin	4.220	4.125	4.325	52.790	50.000	5.6
alpha-BHC	3.274	3.177	3.377	52.140	50.000	4.3
alpha-Chlordane	5.036	4.940	5.140	52.600	50.000	5.2
beta-BHC	3.904	3.807	4.007	51.880	50.000	3.8
Decachlorobiphenyl	7.905	7.810	8.010	52.990	50.000	6.0
delta-BHC	4.132	4.036	4.236	52.530	50.000	5.1
Dieldrin	5.356	5.261	5.461	52.390	50.000	4.8
Endosulfan I	5.092	4.996	5.196	52.230	50.000	4.5
Endosulfan II	5.925	5.831	6.031	53.300	50.000	6.6
Endosulfan sulfate	6.328	6.233	6.433	52.450	50.000	4.9
Endrin	5.632	5.536	5.736	51.850	50.000	3.7
Endrin aldehyde	6.106	6.010	6.210	52.110	50.000	4.2
Endrin ketone	6.834	6.739	6.939	53.450	50.000	6.9
gamma-BHC (Lindane)	3.603	3.507	3.707	52.280	50.000	4.6
gamma-Chlordane	4.973	4.877	5.077	52.590	50.000	5.2
Heptachlor	3.941	3.845	4.045	52.030	50.000	4.1
Heptachlor epoxide	4.723	4.627	4.827	52.870	50.000	5.7
Methoxychlor	6.605	6.509	6.709	54.670	50.000	9.3
Tetrachloro-m-xylene	2.771	2.674	2.874	50.810	50.000	1.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094286.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 21:10
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:18:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.536	2.771	127.5E6	165.9E6	47.352	50.814
28)	SA Decachlor...	9.050	7.905	104.0E6	185.7E6	49.713	52.993
	Target Compounds						
2)	A alpha-BHC	3.992	3.274	185.6E6	254.9E6	48.421	52.143
3)	MA gamma-BHC...	4.325	3.603	179.6E6	247.9E6	48.762	52.277
4)	MA Heptachlor	4.912	3.941	161.6E6	242.2E6	49.312	52.032
5)	MB Aldrin	5.254	4.220	164.2E6	240.8E6	50.195	52.788
6)	B beta-BHC	4.523	3.904	78410142	103.6E6	48.783	51.878
7)	B delta-BHC	4.770	4.132	173.9E6	249.6E6	49.599	52.528
8)	B Heptachlo...	5.680	4.723	147.2E6	221.0E6	49.508	52.873
9)	A Endosulfan I	6.066	5.092	131.3E6	202.5E6	49.681	52.227
10)	B gamma-Chl...	5.937	4.973	141.3E6	222.9E6	50.683	52.591
11)	B alpha-Chl...	6.015	5.036	140.2E6	220.2E6	50.279	52.597
12)	B 4,4'-DDE	6.189	5.225	129.7E6	216.8E6	53.291	54.064
13)	MA Dieldrin	6.340	5.356	137.5E6	225.1E6	49.518	52.393m
14)	MA Endrin	6.571	5.632	113.6E6	191.5E6	48.447	51.846
15)	B Endosulfa...	6.791	5.925	117.5E6	197.4E6	48.774	53.302m
16)	A 4,4'-DDD	6.706	5.780	99726881	175.8E6	52.472	55.682
17)	MA 4,4'-DDT	7.020	6.029	101.4E6	179.0E6	51.410	55.021
18)	B Endrin al...	6.921	6.106	95983181	158.6E6	49.373	52.108
19)	B Endosulfa...	7.155	6.328	109.3E6	187.1E6	48.290	52.453m
20)	A Methoxychlor	7.496	6.605	55114463	97766290	52.822	54.675
21)	B Endrin ke...	7.640	6.834	124.5E6	224.2E6	49.366	53.449
22)	Mirex	8.112	7.014	98978888	176.5E6	47.529	52.177

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

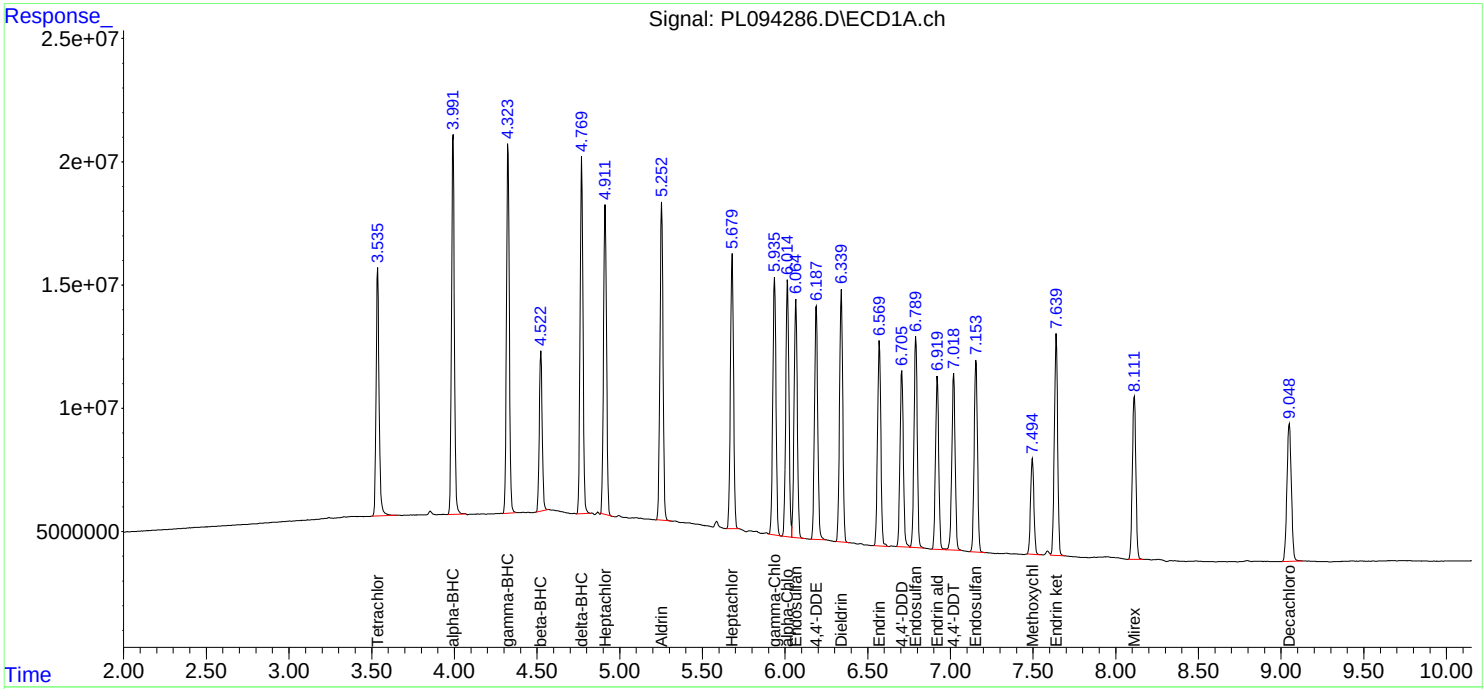
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094286.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 21:10
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

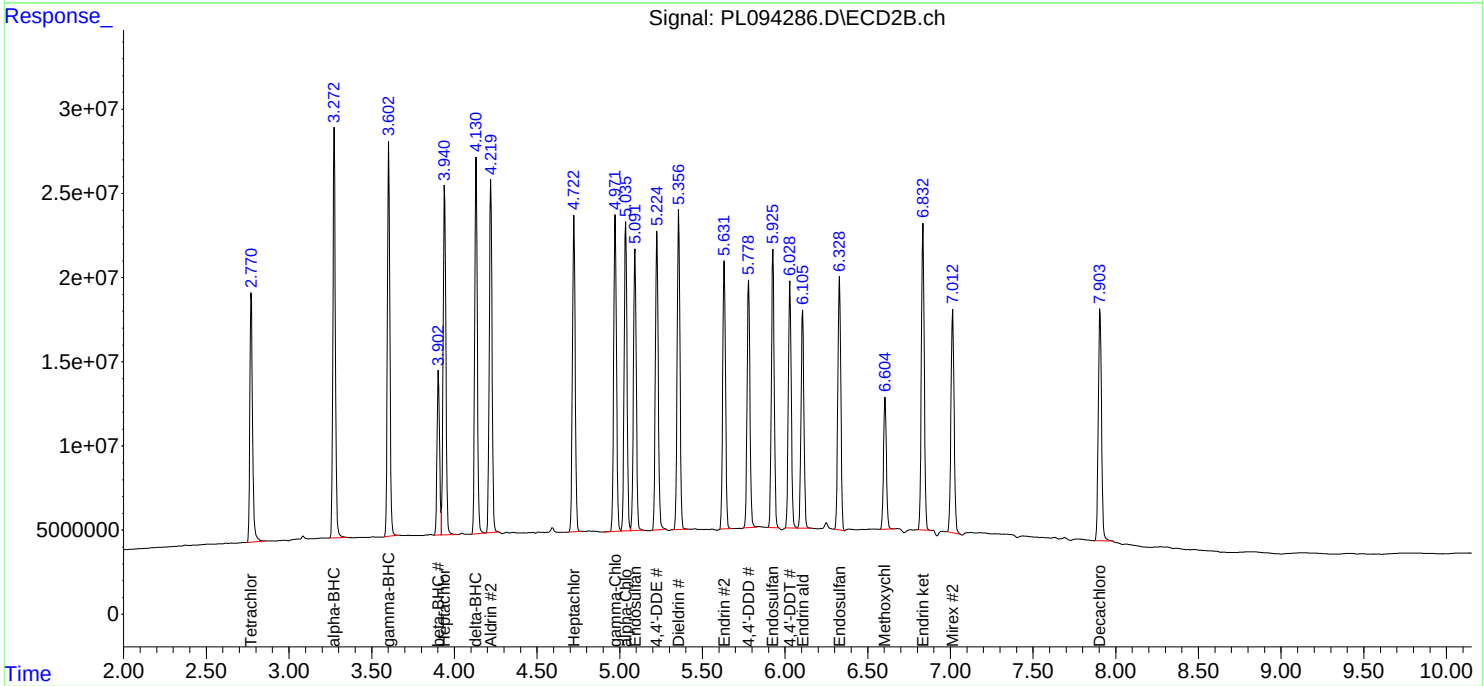
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

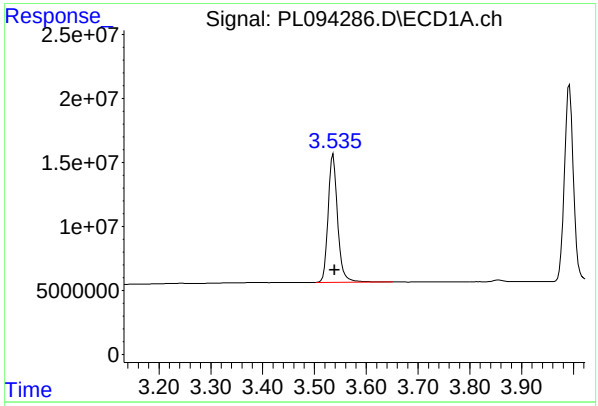
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:18:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







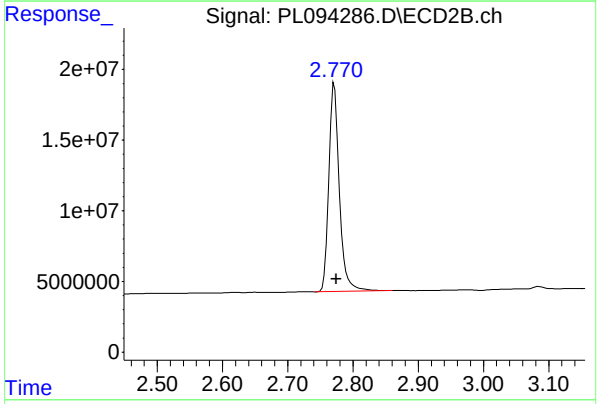
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 127507172
Conc: 47.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

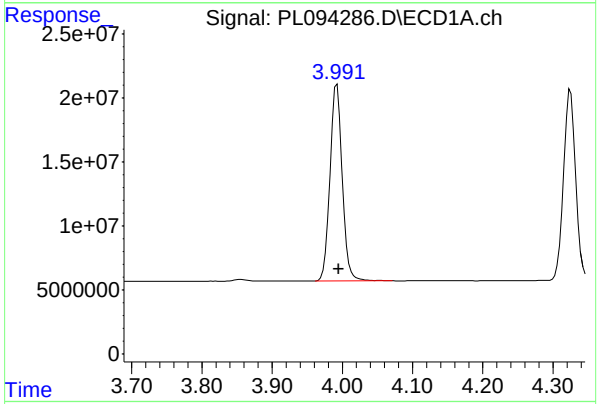
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



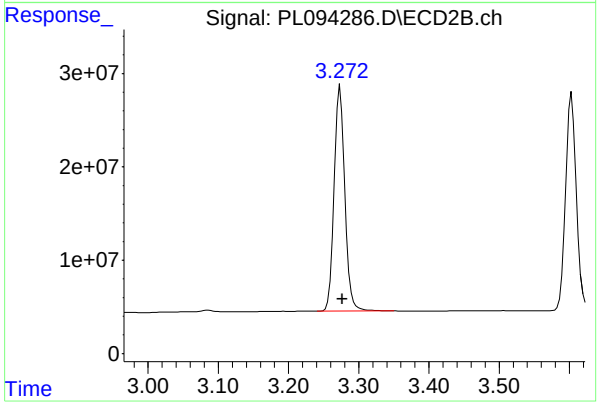
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 165866304
Conc: 50.81 ng/ml



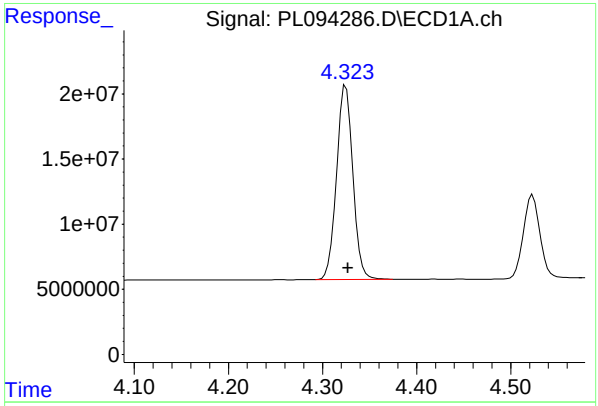
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 185639999
Conc: 48.42 ng/ml



#2 alpha-BHC

R.T.: 3.274 min
Delta R.T.: -0.003 min
Response: 254925562
Conc: 52.14 ng/ml



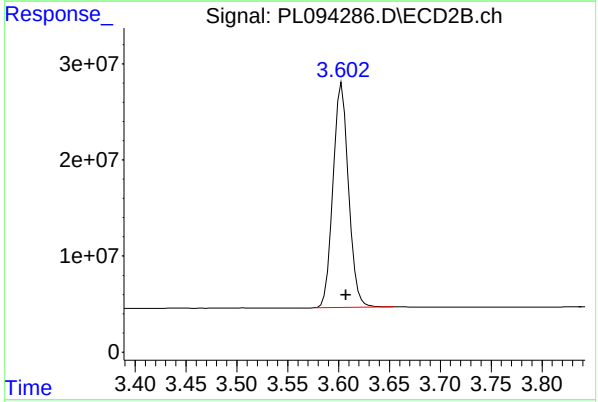
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 179582555
Conc: 48.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

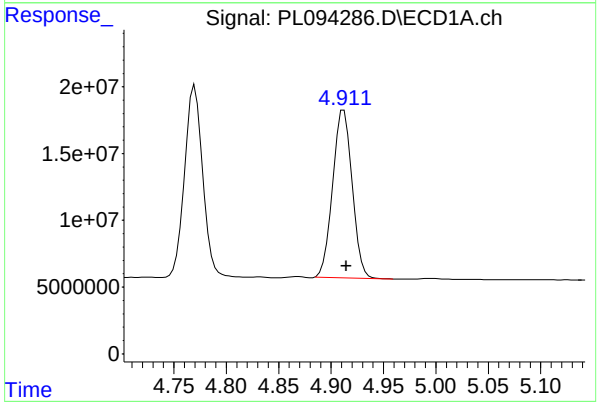
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



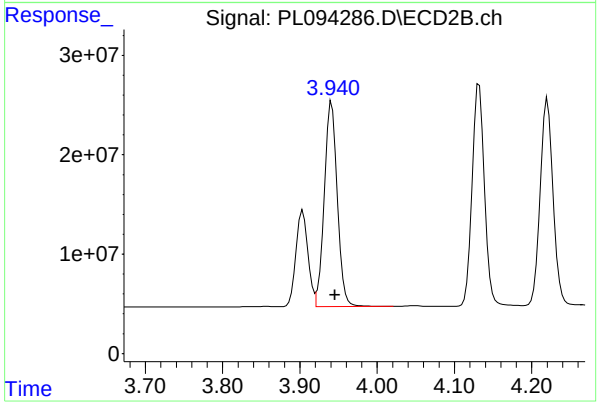
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.004 min
Response: 247858097
Conc: 52.28 ng/ml



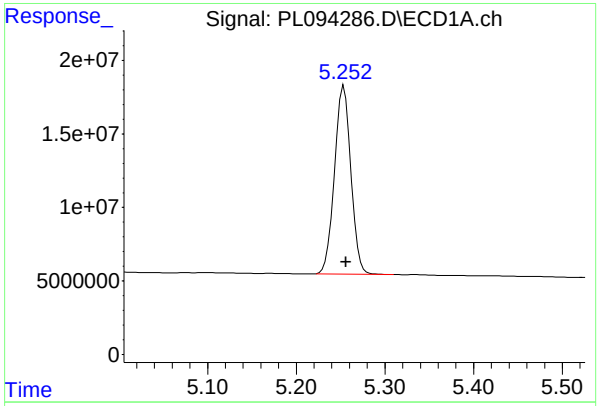
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: -0.002 min
Response: 161612350
Conc: 49.31 ng/ml



#4 Heptachlor

R.T.: 3.941 min
Delta R.T.: -0.004 min
Response: 242197648
Conc: 52.03 ng/ml



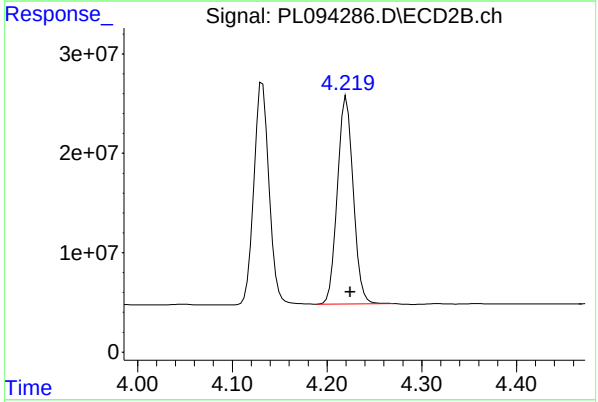
#5 Aldrin

R.T.: 5.254 min
Delta R.T.: -0.002 min
Response: 164236099
Conc: 50.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

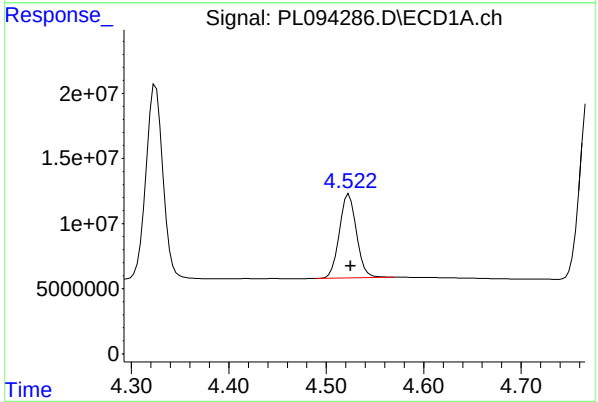
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



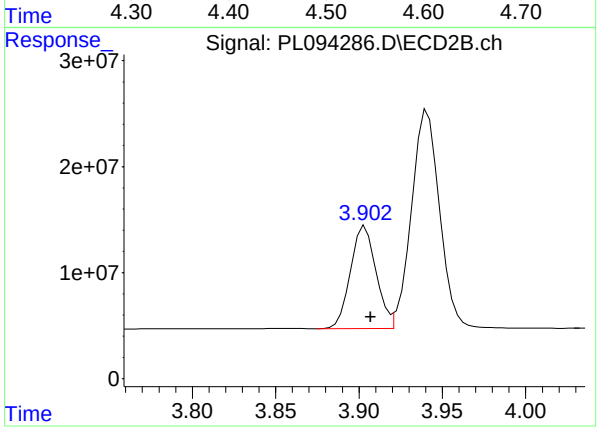
#5 Aldrin

R.T.: 4.220 min
Delta R.T.: -0.004 min
Response: 240807744
Conc: 52.79 ng/ml



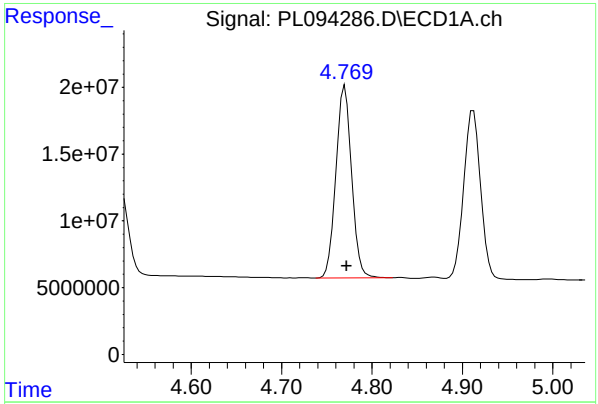
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 78410142
Conc: 48.78 ng/ml



#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 103622183
Conc: 51.88 ng/ml



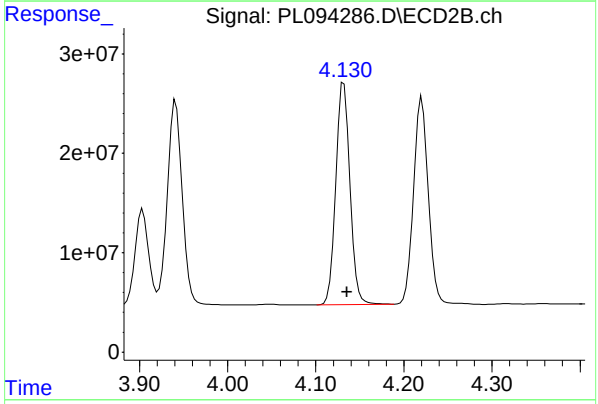
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: -0.002 min
Response: 173859719
Conc: 49.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

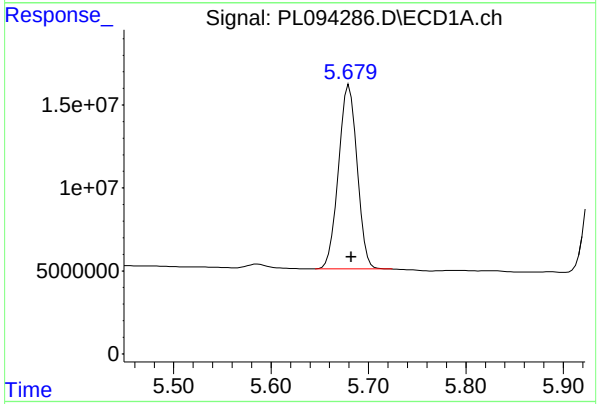
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



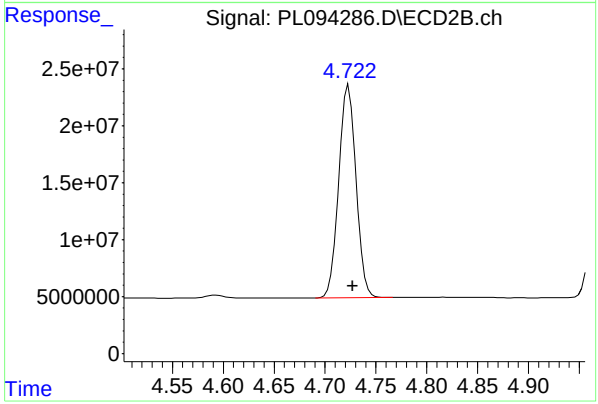
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.004 min
Response: 249573313
Conc: 52.53 ng/ml



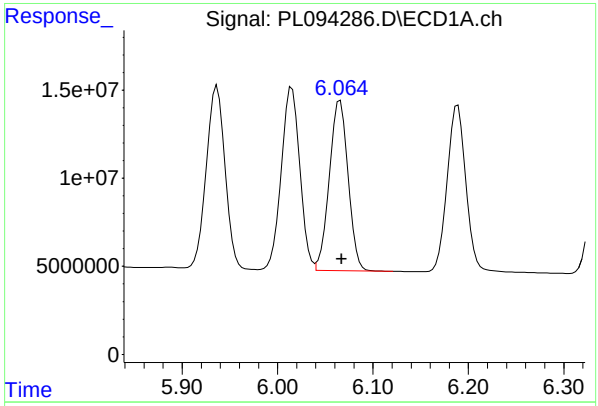
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.002 min
Response: 147227586
Conc: 49.51 ng/ml



#8 Heptachlor epoxide

R.T.: 4.723 min
Delta R.T.: -0.004 min
Response: 221022547
Conc: 52.87 ng/ml



#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: -0.002 min
Response: 131299703
Conc: 49.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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Reviewed By :Abdul Mirza 02/20/2025
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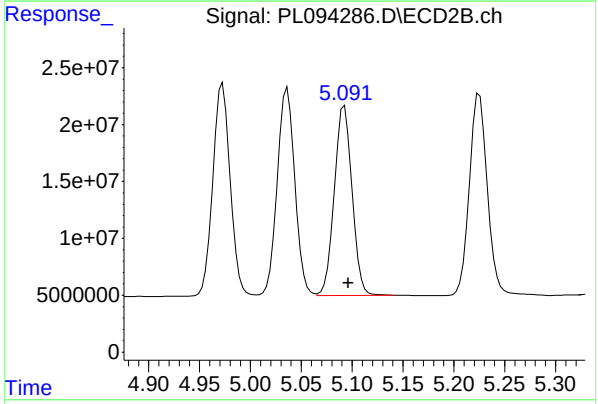
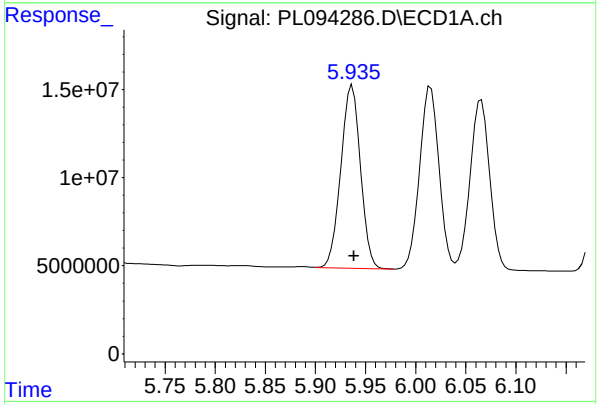


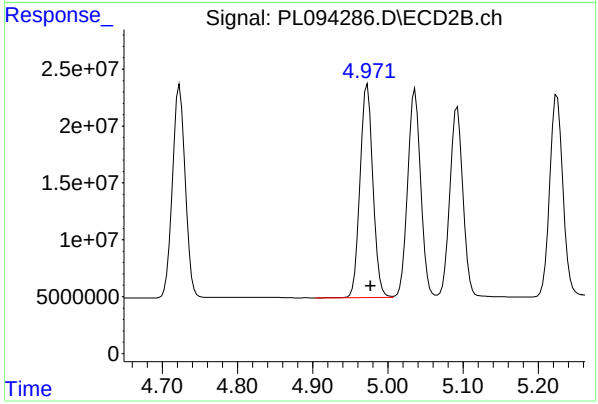
#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: -0.004 min
Response: 202480650
Conc: 52.23 ng/ml



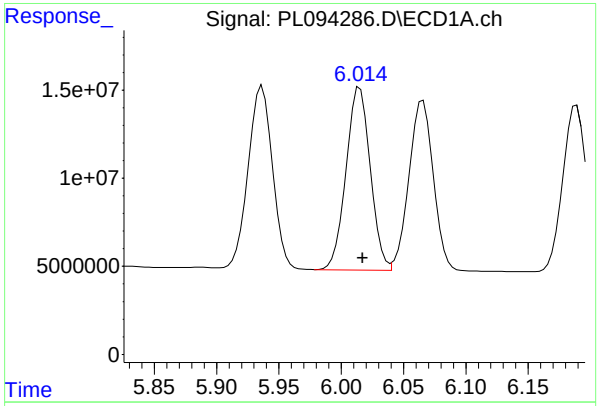
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.002 min
Response: 141272957
Conc: 50.68 ng/ml



#10 gamma-Chlordane

R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 222858682
Conc: 52.59 ng/ml



#11 alpha-Chlordane

R.T.: 6.015 min
Delta R.T.: -0.002 min
Response: 140197939
Conc: 50.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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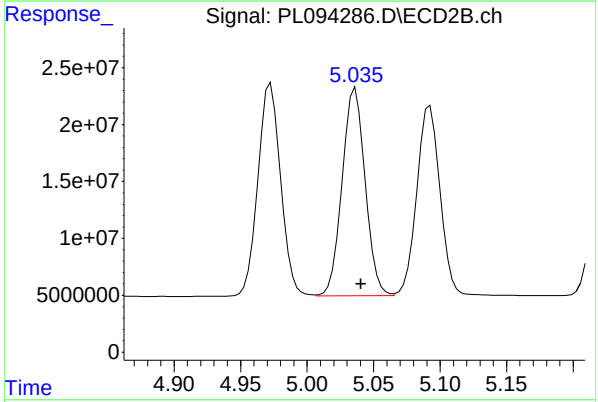
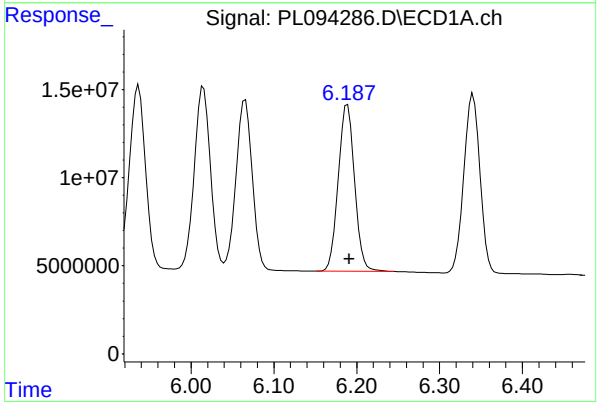
Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



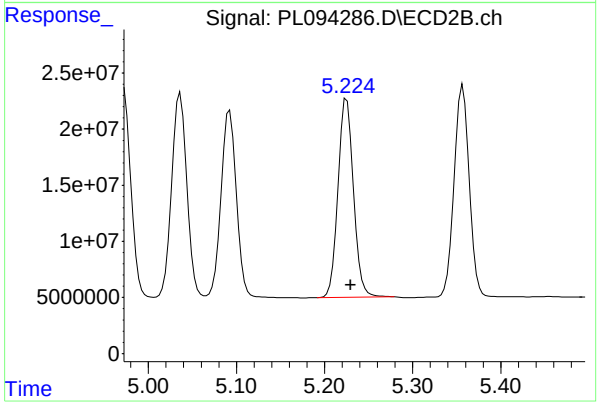
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: -0.004 min
Response: 220201257
Conc: 52.60 ng/ml



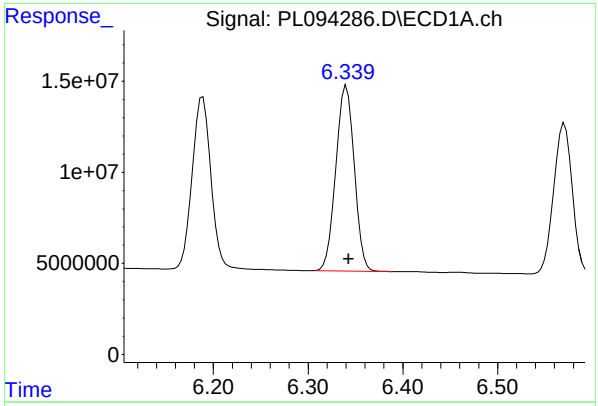
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.002 min
Response: 129742633
Conc: 53.29 ng/ml



#12 4,4'-DDE

R.T.: 5.225 min
Delta R.T.: -0.004 min
Response: 216766920
Conc: 54.06 ng/ml



#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: -0.002 mi
Response: 137453616
Conc: 49.52 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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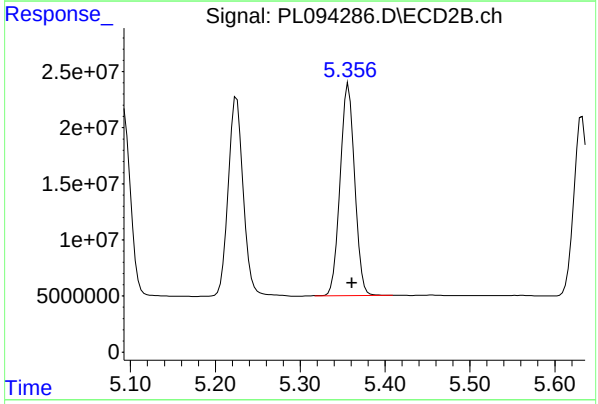
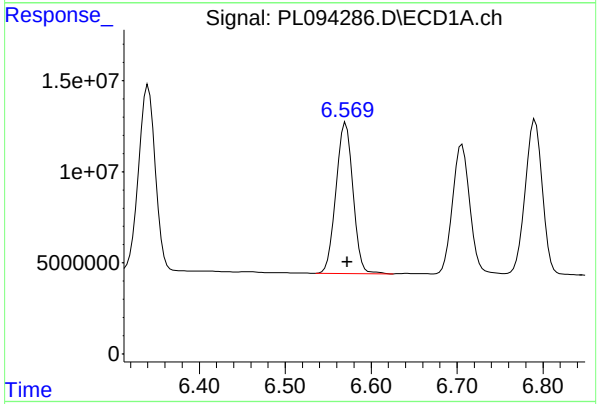
Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



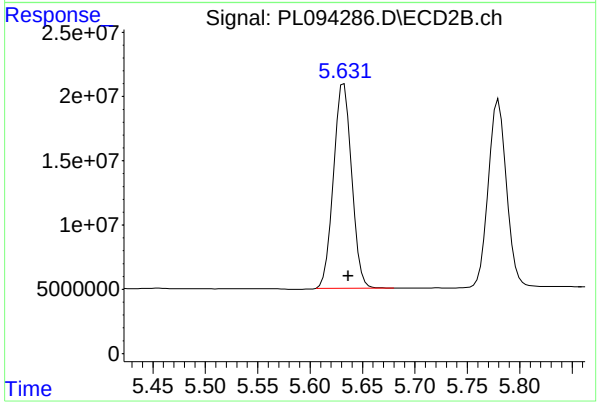
#13 Dieldrin

R.T.: 5.356 min
Delta R.T.: -0.005 min
Response: 225061400
Conc: 52.39 ng/ml m



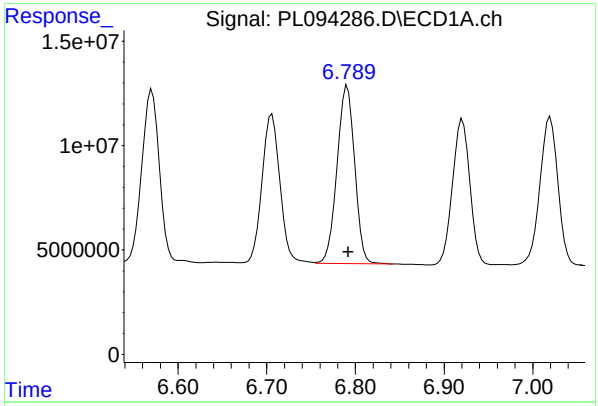
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 113600279
Conc: 48.45 ng/ml



#14 Endrin

R.T.: 5.632 min
Delta R.T.: -0.004 min
Response: 191452089
Conc: 51.85 ng/ml



#15 Endosulfan II

R.T.: 6.791 min
Delta R.T.: -0.001 mi
Response: 117514341
Conc: 48.77 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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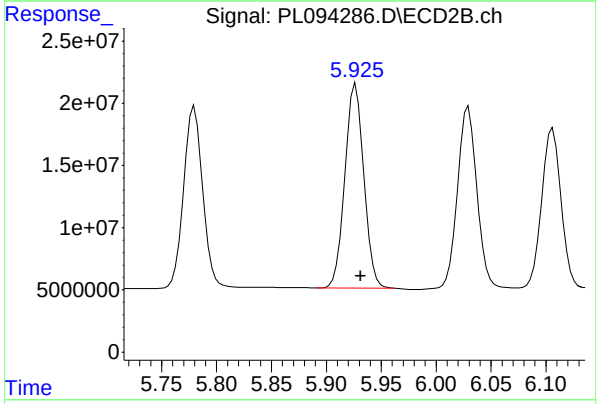
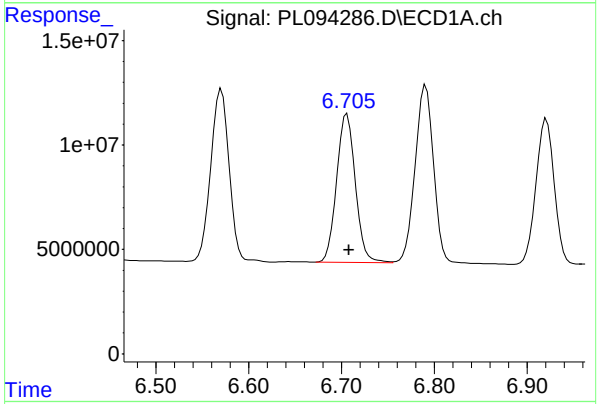


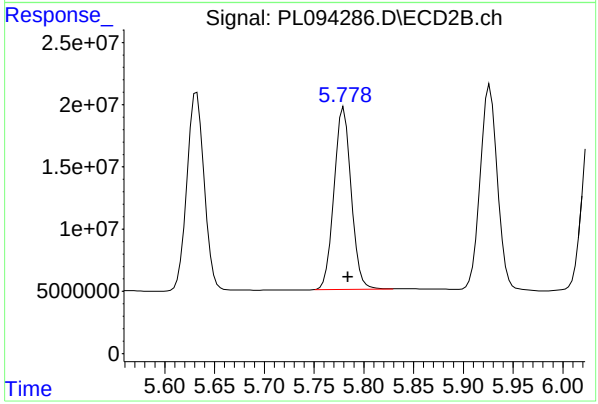
#15 Endosulfan II

R.T.: 5.925 min
Delta R.T.: -0.006 min
Response: 197421835
Conc: 53.30 ng/ml m



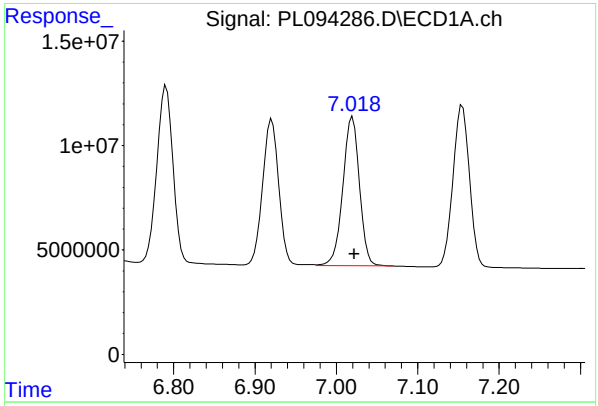
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.002 min
Response: 99726881
Conc: 52.47 ng/ml



#16 4,4'-DDD

R.T.: 5.780 min
Delta R.T.: -0.004 min
Response: 175763026
Conc: 55.68 ng/ml



#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.002 min
Response: 101383675
Conc: 51.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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Reviewed By :Abdul Mirza 02/20/2025
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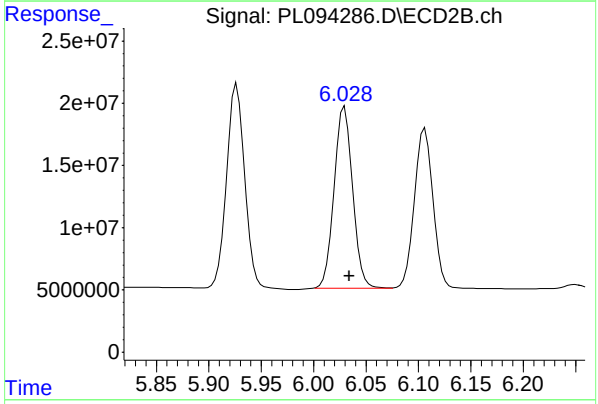
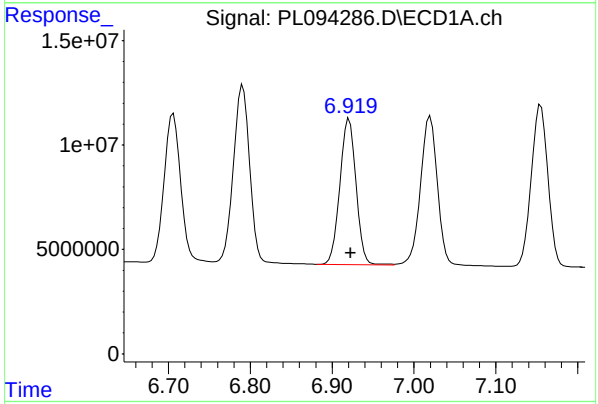


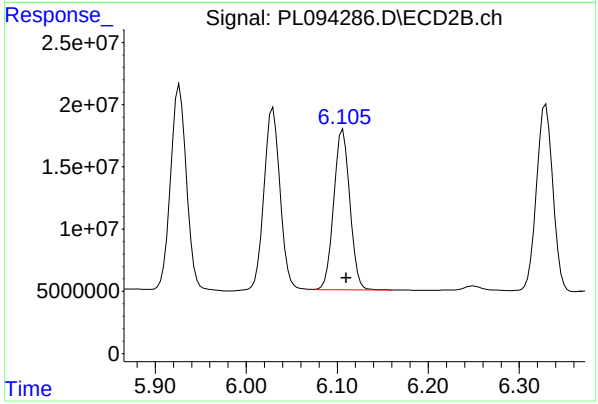
#17 4,4'-DDT

R.T.: 6.029 min
Delta R.T.: -0.005 min
Response: 179041709
Conc: 55.02 ng/ml



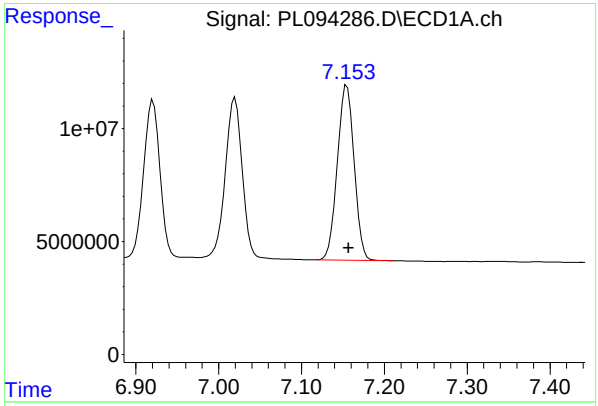
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.002 min
Response: 95983181
Conc: 49.37 ng/ml



#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: -0.004 min
Response: 158649068
Conc: 52.11 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.155 min
Delta R.T.: -0.002 mi
Response: 109316562
Conc: 48.29 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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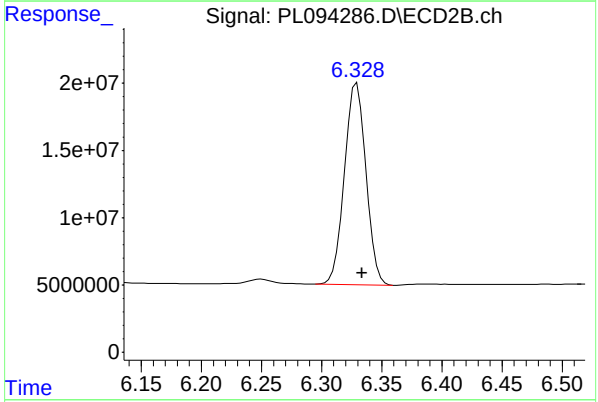
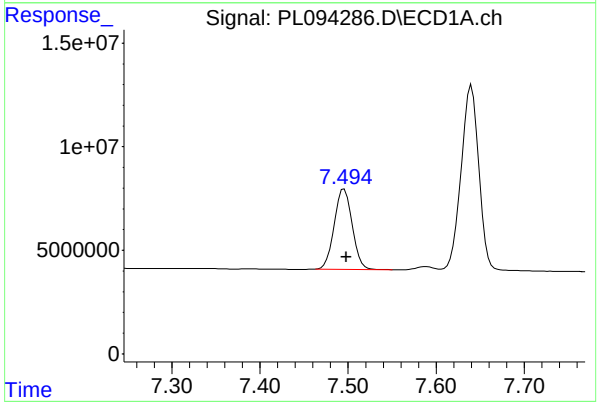


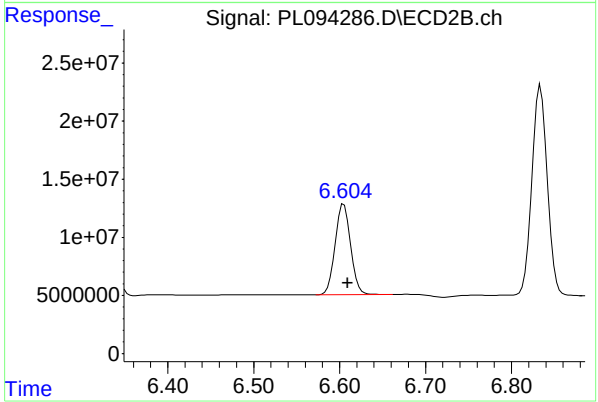
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: -0.005 min
Response: 187052769
Conc: 52.45 ng/ml m



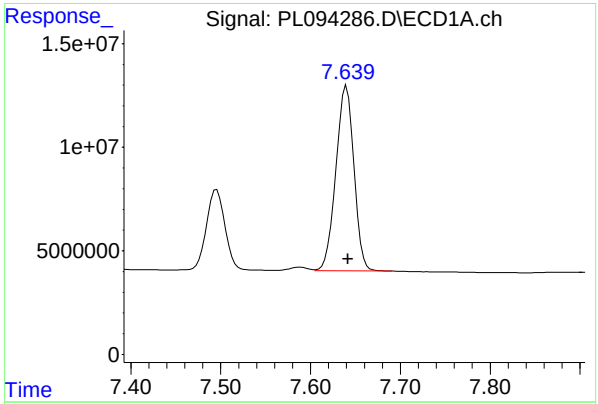
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: -0.002 min
Response: 55114463
Conc: 52.82 ng/ml



#20 Methoxychlor

R.T.: 6.605 min
Delta R.T.: -0.004 min
Response: 97766290
Conc: 54.67 ng/ml



#21 Endrin ketone

R.T.: 7.640 min
Delta R.T.: -0.002 min
Response: 124531159
Conc: 49.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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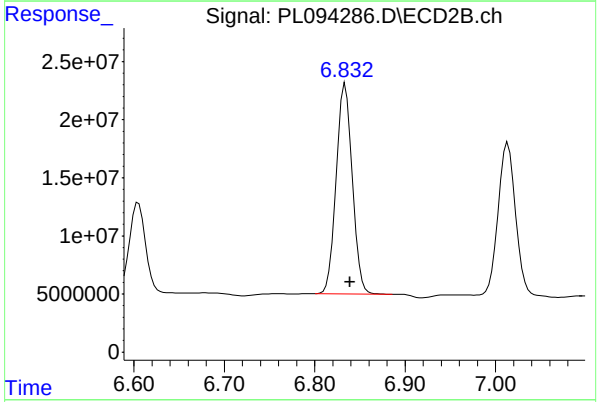
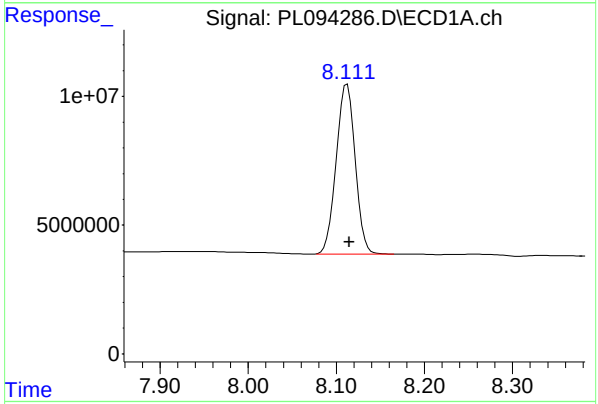


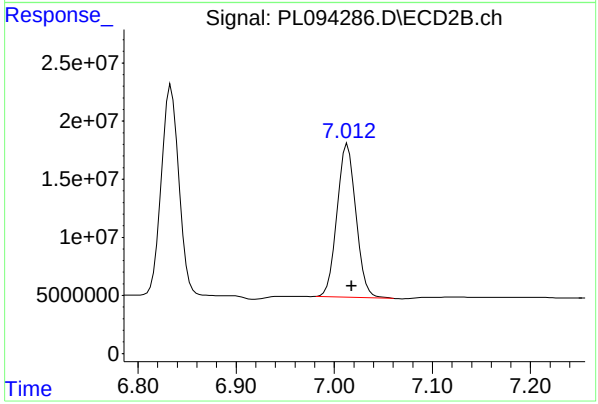
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: -0.005 min
Response: 224229857
Conc: 53.45 ng/ml



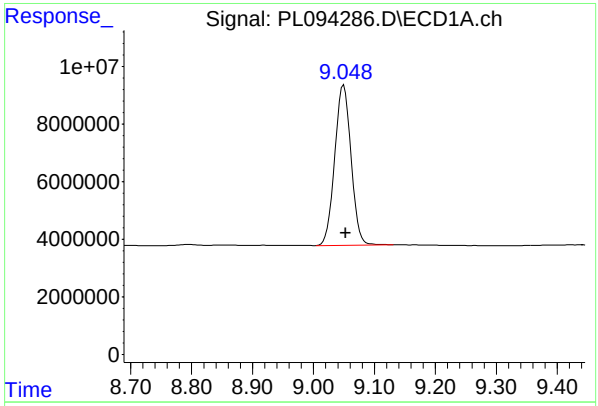
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.002 min
Response: 98978888
Conc: 47.53 ng/ml



#22 Mirex

R.T.: 7.014 min
Delta R.T.: -0.004 min
Response: 176457564
Conc: 52.18 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 103995835
Conc: 49.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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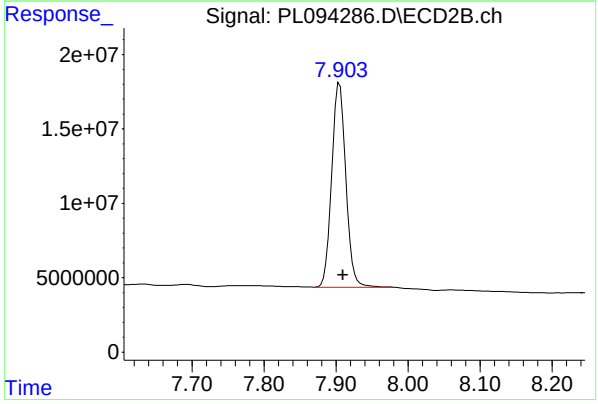


#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 185691067
Conc: 52.99 ng/ml

Alliance TECHNICAL GROUP
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.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/20/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 08:56 **Initial Calibration Time(s):** 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.05	9.05	8.95	9.15	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	4.00	3.90	4.10	0.01
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.91	4.81	5.01	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	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	7.16	7.06	7.26	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

Alliance TECHNICAL GROUP
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.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/20/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 08:56 **Initial Calibration Time(s):** 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.01
delta-BHC	4.13	4.14	4.04	4.24	0.01
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.94	3.95	3.85	4.05	0.01
Aldrin	4.22	4.23	4.13	4.33	0.01
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.01
Endosulfan I	5.09	5.10	5.00	5.20	0.01
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.23	5.23	5.13	5.33	0.00
Endrin	5.63	5.64	5.54	5.74	0.01
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.03	6.03	5.93	6.13	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.01

Alliance TECHNICAL GROUP

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.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 02/20/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094289.D **Time Analyzed:** 08:56

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.709	6.608	6.808	56.270	50.000	12.5
4,4'-DDE	6.191	6.091	6.291	55.700	50.000	11.4
4,4'-DDT	7.022	6.922	7.122	53.960	50.000	7.9
Aldrin	5.256	5.156	5.356	53.430	50.000	6.9
alpha-BHC	3.994	3.895	4.095	51.580	50.000	3.2
alpha-Chlordane	6.017	5.917	6.117	52.520	50.000	5.0
beta-BHC	4.525	4.425	4.625	51.750	50.000	3.5
Decachlorobiphenyl	9.053	8.953	9.153	52.500	50.000	5.0
delta-BHC	4.772	4.672	4.872	53.450	50.000	6.9
Dieldrin	6.342	6.243	6.443	52.260	50.000	4.5
Endosulfan I	6.068	5.967	6.167	52.000	50.000	4.0
Endosulfan II	6.793	6.692	6.892	51.420	50.000	2.8
Endosulfan sulfate	7.157	7.057	7.257	51.070	50.000	2.1
Endrin	6.573	6.472	6.672	50.450	50.000	0.9
Endrin aldehyde	6.923	6.823	7.023	51.480	50.000	3.0
Endrin ketone	7.642	7.542	7.742	50.450	50.000	0.9
gamma-BHC (Lindane)	4.327	4.227	4.427	51.990	50.000	4.0
gamma-Chlordane	5.939	5.838	6.038	52.990	50.000	6.0
Heptachlor	4.915	4.814	5.014	52.640	50.000	5.3
Heptachlor epoxide	5.682	5.582	5.782	52.310	50.000	4.6
Methoxychlor	7.498	7.398	7.598	53.670	50.000	7.3
Tetrachloro-m-xylene	3.538	3.439	3.639	50.430	50.000	0.9

Alliance TECHNICAL GROUP

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.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 02/20/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094289.D **Time Analyzed:** 08:56

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.782	5.684	5.884	58.840	50.000	17.7
4,4'-DDE	5.227	5.130	5.330	57.100	50.000	14.2
4,4'-DDT	6.032	5.934	6.134	56.530	50.000	13.1
Aldrin	4.223	4.125	4.325	55.480	50.000	11.0
alpha-BHC	3.275	3.177	3.377	54.700	50.000	9.4
alpha-Chlordane	5.039	4.940	5.140	55.230	50.000	10.5
beta-BHC	3.905	3.807	4.007	54.290	50.000	8.6
Decachlorobiphenyl	7.907	7.810	8.010	54.910	50.000	9.8
delta-BHC	4.134	4.036	4.236	55.100	50.000	10.2
Dieldrin	5.359	5.261	5.461	55.080	50.000	10.2
Endosulfan I	5.094	4.996	5.196	54.610	50.000	9.2
Endosulfan II	5.929	5.831	6.031	55.060	50.000	10.1
Endosulfan sulfate	6.331	6.233	6.433	54.800	50.000	9.6
Endrin	5.634	5.536	5.736	53.100	50.000	6.2
Endrin aldehyde	6.108	6.010	6.210	54.530	50.000	9.1
Endrin ketone	6.836	6.739	6.939	55.540	50.000	11.1
gamma-BHC (Lindane)	3.605	3.507	3.707	55.030	50.000	10.1
gamma-Chlordane	4.975	4.877	5.077	55.280	50.000	10.6
Heptachlor	3.943	3.845	4.045	54.310	50.000	8.6
Heptachlor epoxide	4.725	4.627	4.827	55.240	50.000	10.5
Methoxychlor	6.607	6.509	6.709	55.040	50.000	10.1
Tetrachloro-m-xylene	2.773	2.674	2.874	53.240	50.000	6.5

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094289.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 08:56
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 11:41:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound		RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds							
1)	SA	Tetrachlo...	3.538	2.773	135.8E6	173.8E6	50.432	53.242
28)	SA	Decachlor...	9.053	7.907	109.8E6	192.4E6	52.499	54.906
	Target Compounds							
2)	A	alpha-BHC	3.994	3.275	197.8E6	267.4E6	51.580	54.702
3)	MA	gamma-BHC...	4.327	3.605	191.5E6	260.9E6	51.993	55.035
4)	MA	Heptachlor	4.915	3.943	172.5E6	252.8E6	52.636	54.314
5)	MB	Aldrin	5.256	4.223	174.8E6	253.1E6	53.426	55.484
6)	B	beta-BHC	4.525	3.905	83182612	108.4E6	51.752	54.293
7)	B	delta-BHC	4.772	4.134	187.4E6	261.8E6	53.452	55.099
8)	B	Heptachlo...	5.682	4.725	155.5E6	230.9E6	52.305	55.239
9)	A	Endosulfan I	6.068	5.094	137.4E6	211.7E6	51.996	54.614
10)	B	gamma-Chl...	5.939	4.975	147.7E6	234.3E6	52.986	55.281
11)	B	alpha-Chl...	6.017	5.039	146.4E6	231.2E6	52.520	55.231
12)	B	4,4'-DDE	6.191	5.227	135.6E6	228.9E6	55.695	57.096
13)	MA	Dieldrin	6.342	5.359	145.1E6	236.6E6	52.257	55.082
14)	MA	Endrin	6.573	5.634	118.3E6	196.1E6	50.448	53.099
15)	B	Endosulfa...	6.793	5.929	123.9E6	203.9E6	51.423	55.059
16)	A	4,4'-DDD	6.709	5.782	106.9E6	185.7E6	56.269	58.836
17)	MA	4,4'-DDT	7.022	6.032	106.4E6	184.0E6	53.961	56.534
18)	B	Endrin al...	6.923	6.108	100.1E6	166.0E6	51.476	54.533
19)	B	Endosulfa...	7.157	6.331	115.6E6	195.4E6	51.071	54.796
20)	A	Methoxychlor	7.498	6.607	55997927	98410883	53.669	55.035
21)	B	Endrin ke...	7.642	6.836	127.3E6	233.0E6	50.446	55.540
22)		Mirex	8.115	7.016	103.2E6	183.4E6	49.558	54.243

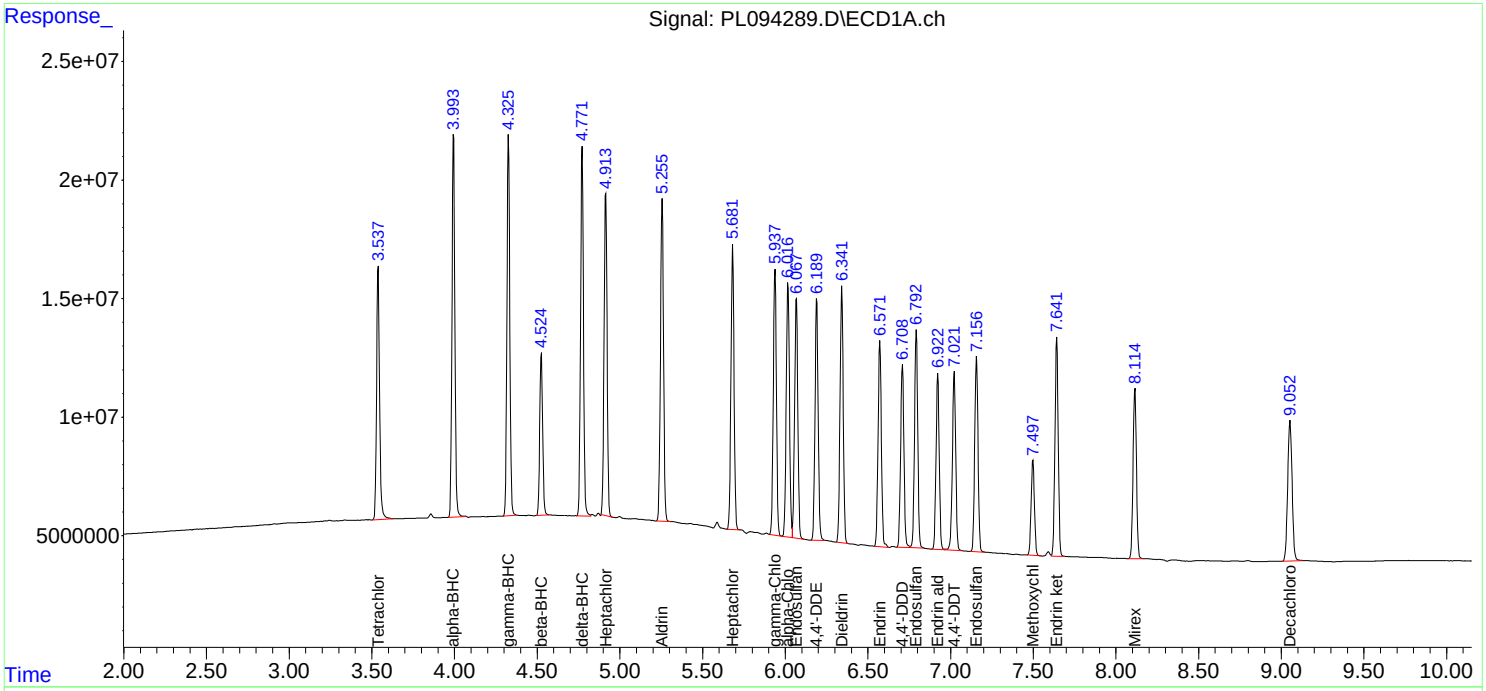
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

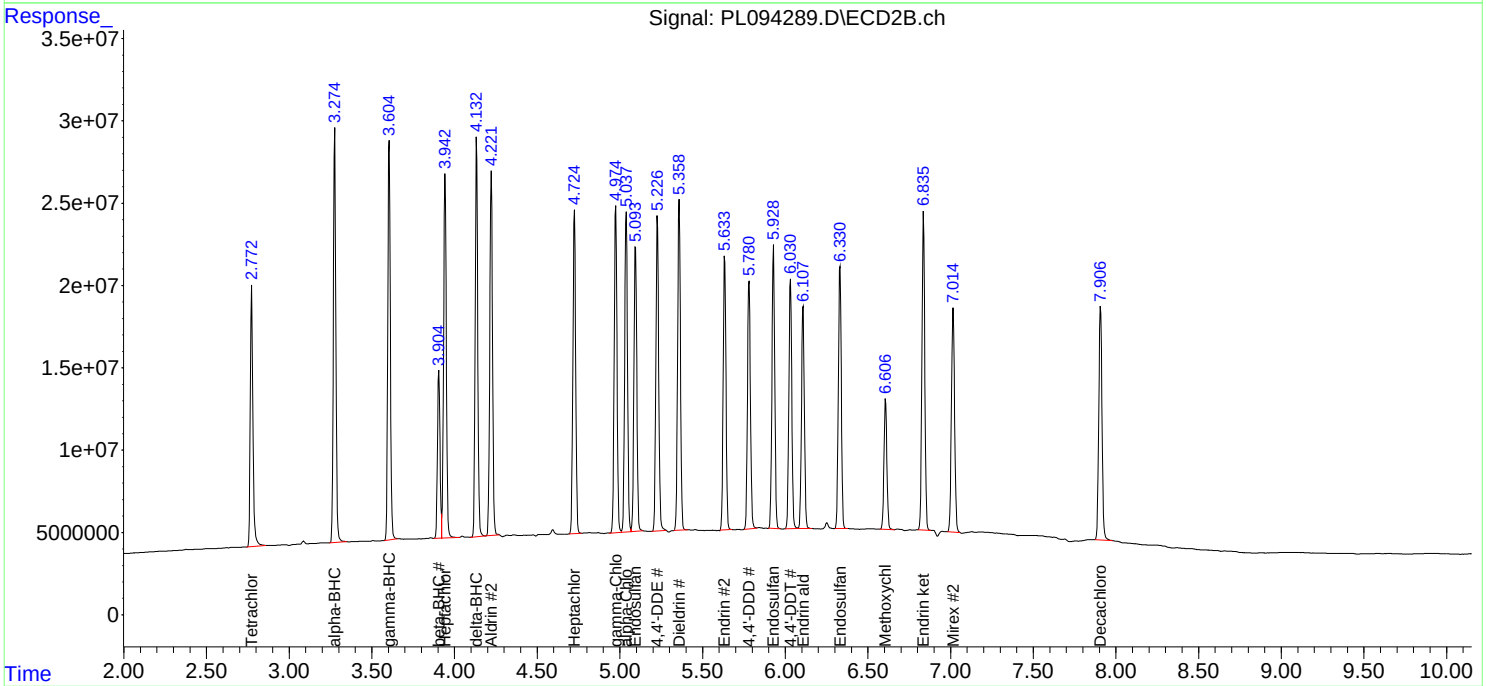
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094289.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 08:56
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

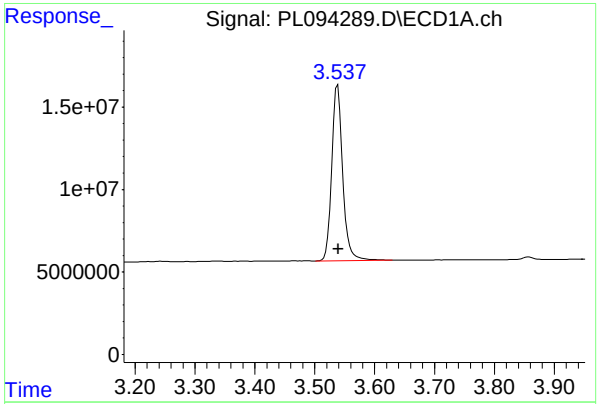
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 11:41:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



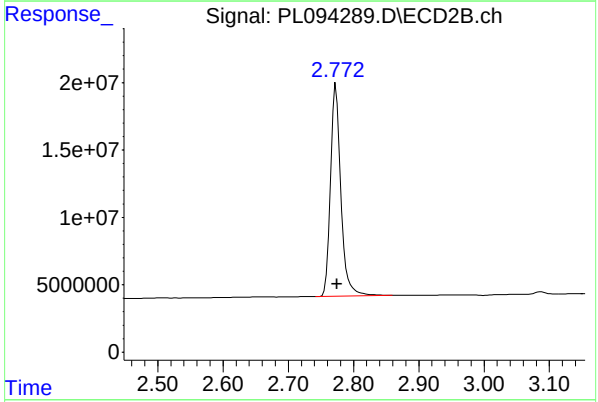




#1 Tetrachloro-m-xylene

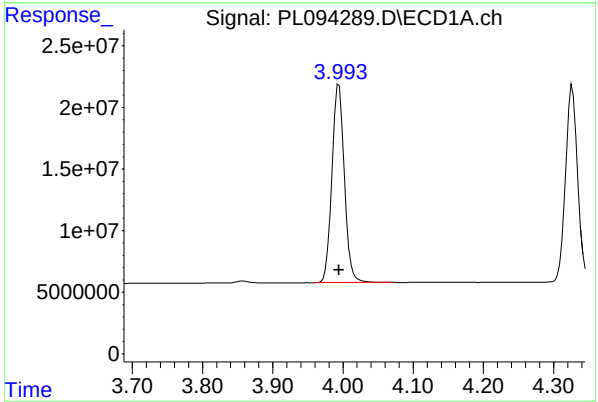
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 135801295
Conc: 50.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



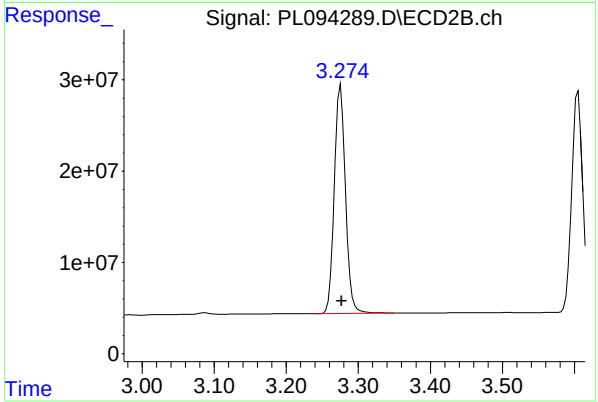
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: -0.001 min
Response: 173791721
Conc: 53.24 ng/ml



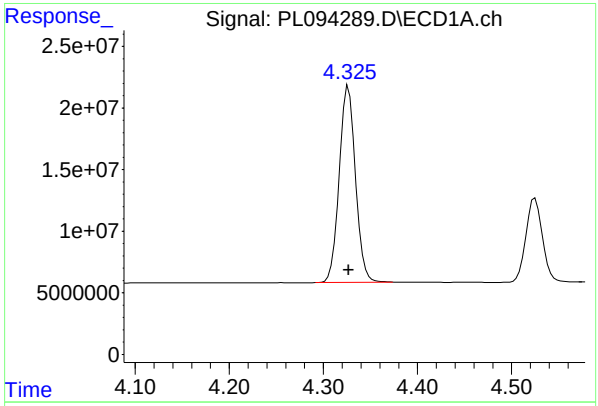
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 197750599
Conc: 51.58 ng/ml



#2 alpha-BHC

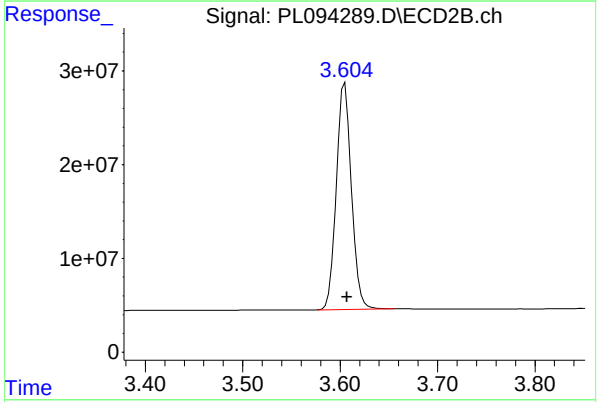
R.T.: 3.275 min
Delta R.T.: -0.001 min
Response: 267434527
Conc: 54.70 ng/ml



#3 gamma-BHC (Lindane)

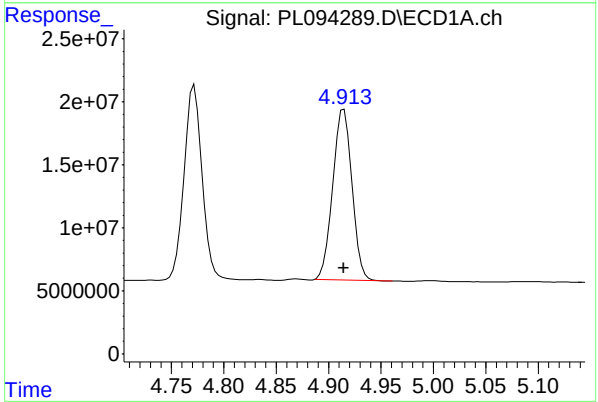
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 191480844
Conc: 51.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



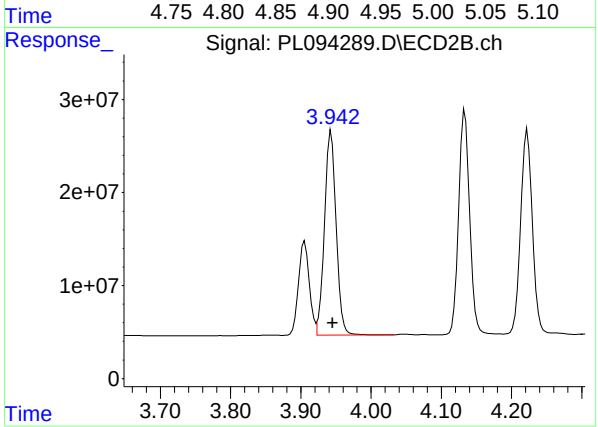
#3 gamma-BHC (Lindane)

R.T.: 3.605 min
Delta R.T.: -0.002 min
Response: 260931890
Conc: 55.03 ng/ml



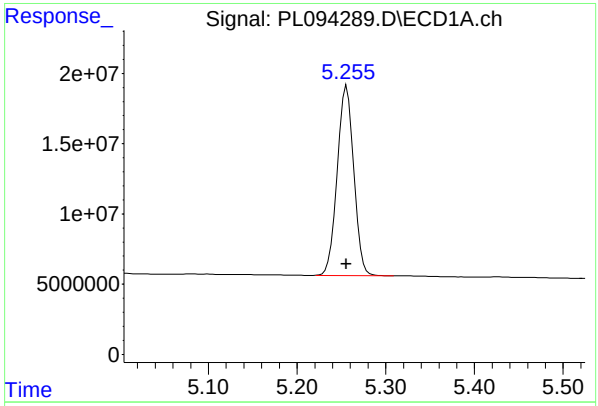
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 172504831
Conc: 52.64 ng/ml



#4 Heptachlor

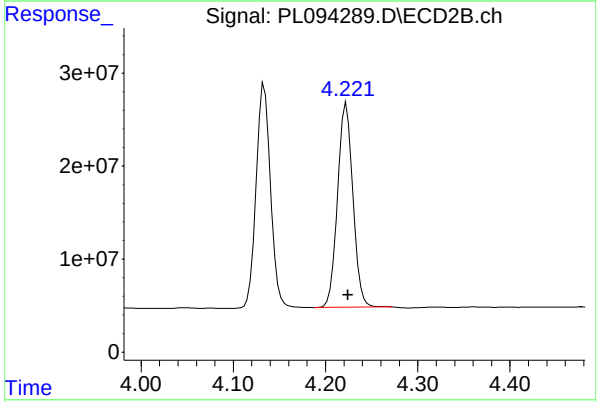
R.T.: 3.943 min
Delta R.T.: -0.002 min
Response: 252818323
Conc: 54.31 ng/ml



#5 Aldrin

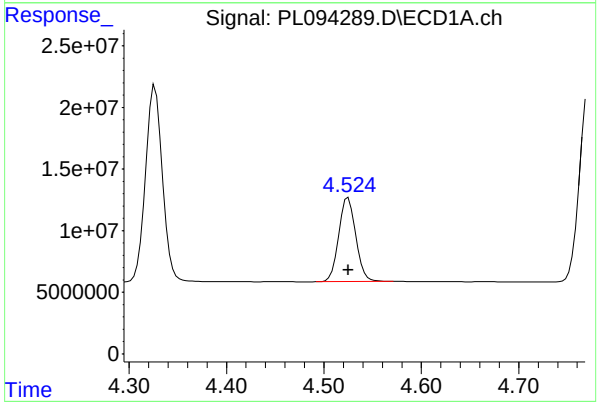
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 174809565
Conc: 53.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



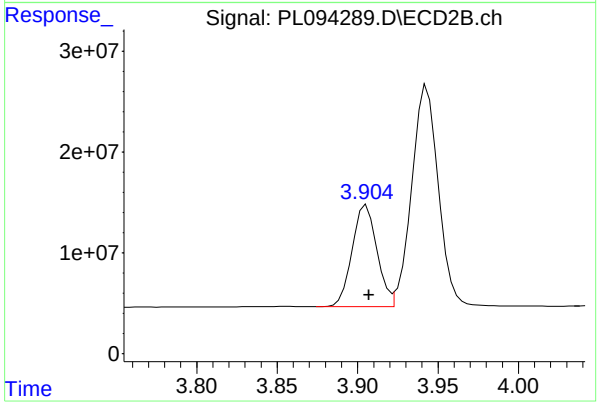
#5 Aldrin

R.T.: 4.223 min
Delta R.T.: -0.002 min
Response: 253107983
Conc: 55.48 ng/ml



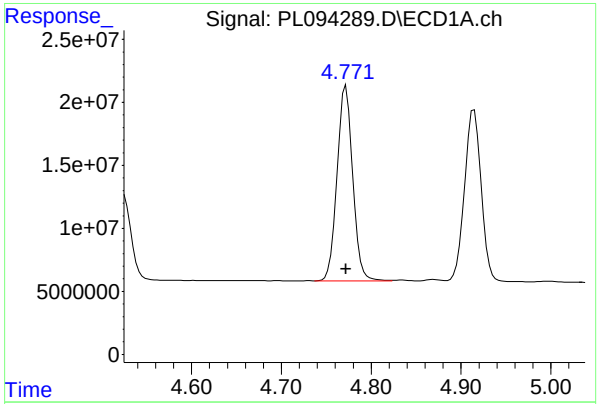
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 83182612
Conc: 51.75 ng/ml



#6 beta-BHC

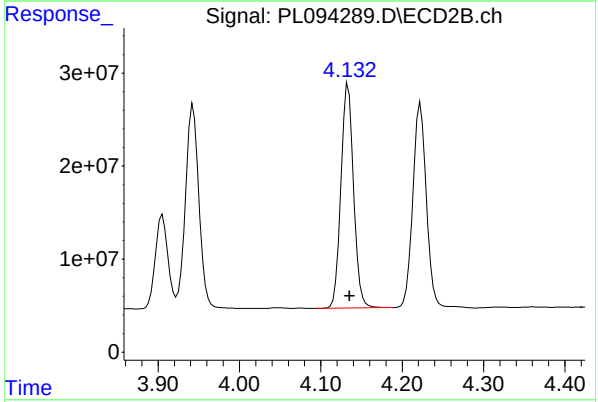
R.T.: 3.905 min
Delta R.T.: -0.001 min
Response: 108447764
Conc: 54.29 ng/ml



#7 delta-BHC

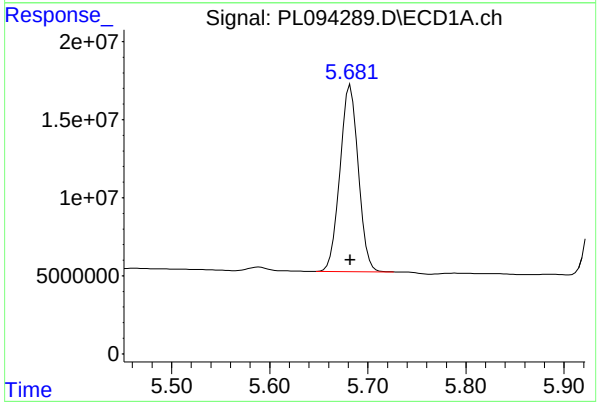
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 187365629
Conc: 53.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



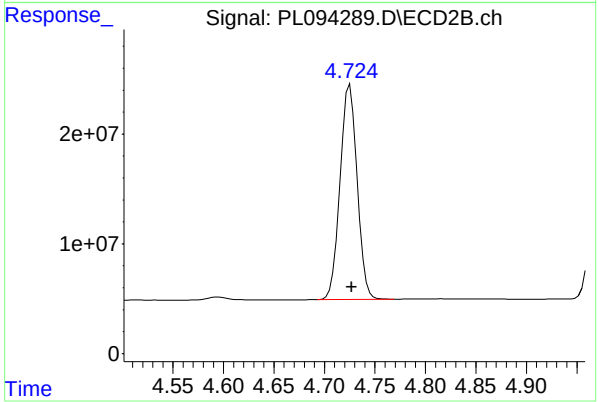
#7 delta-BHC

R.T.: 4.134 min
Delta R.T.: -0.002 min
Response: 261789156
Conc: 55.10 ng/ml



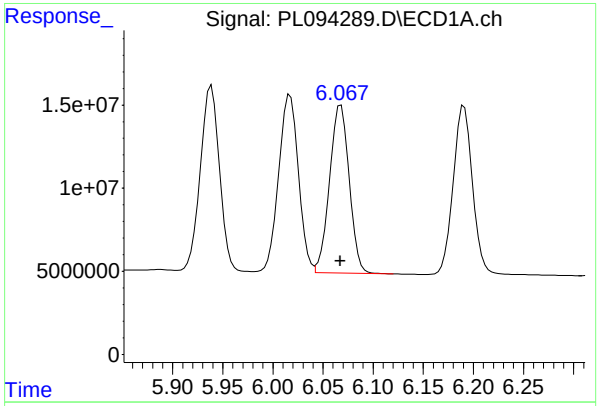
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 155546479
Conc: 52.31 ng/ml



#8 Heptachlor epoxide

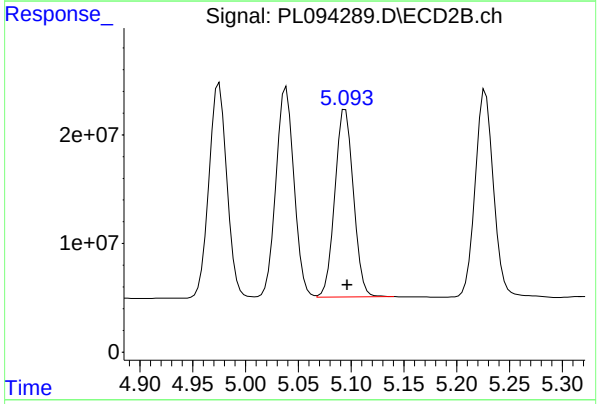
R.T.: 4.725 min
Delta R.T.: -0.002 min
Response: 230914819
Conc: 55.24 ng/ml



#9 Endosulfan I

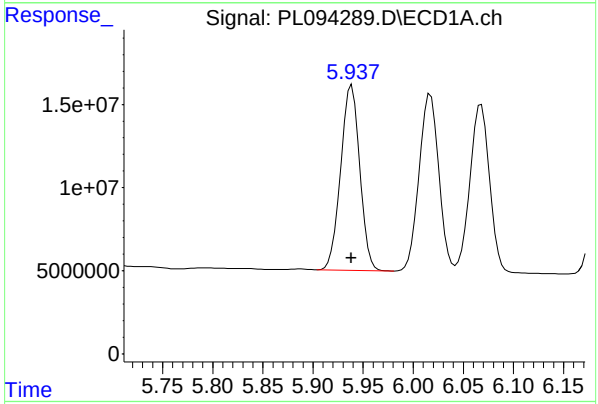
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 137417808
Conc: 52.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



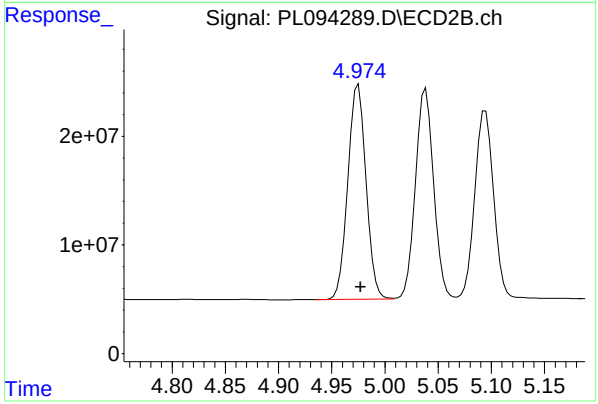
#9 Endosulfan I

R.T.: 5.094 min
Delta R.T.: -0.002 min
Response: 211732738
Conc: 54.61 ng/ml



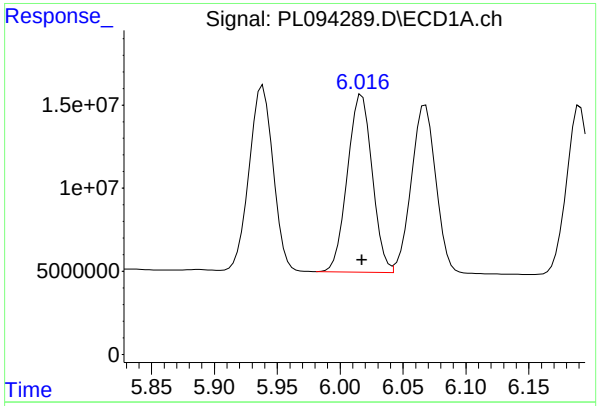
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 147690489
Conc: 52.99 ng/ml



#10 gamma-Chlordane

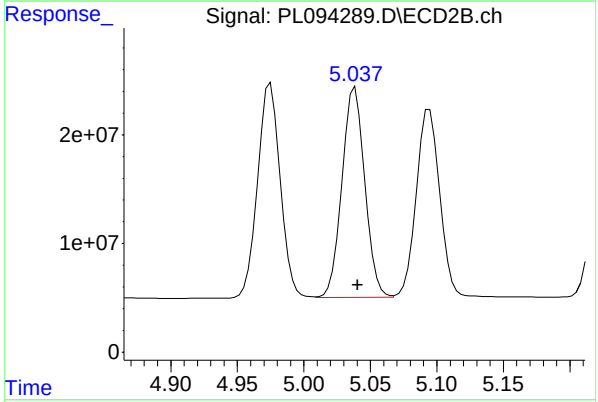
R.T.: 4.975 min
Delta R.T.: -0.002 min
Response: 234257856
Conc: 55.28 ng/ml



#11 alpha-Chlordane

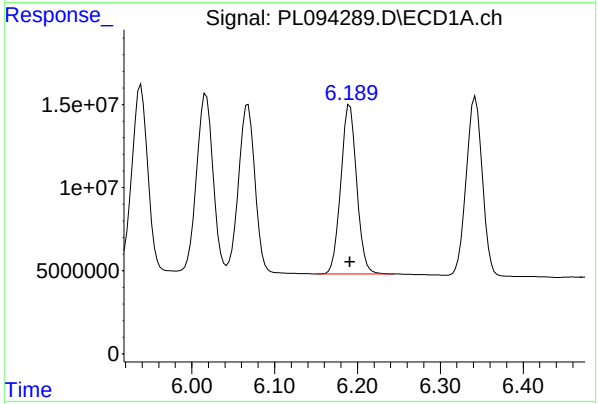
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 146446893
Conc: 52.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



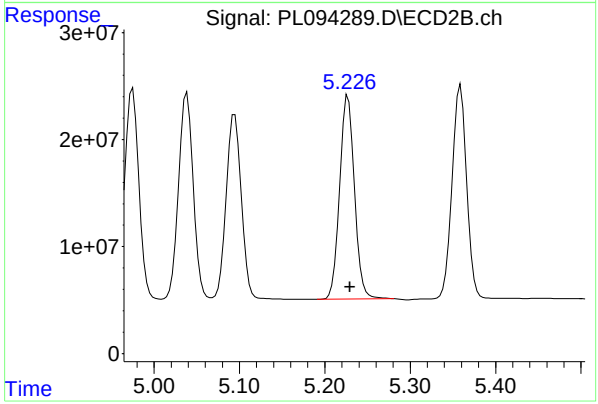
#11 alpha-Chlordane

R.T.: 5.039 min
Delta R.T.: -0.002 min
Response: 231226081
Conc: 55.23 ng/ml



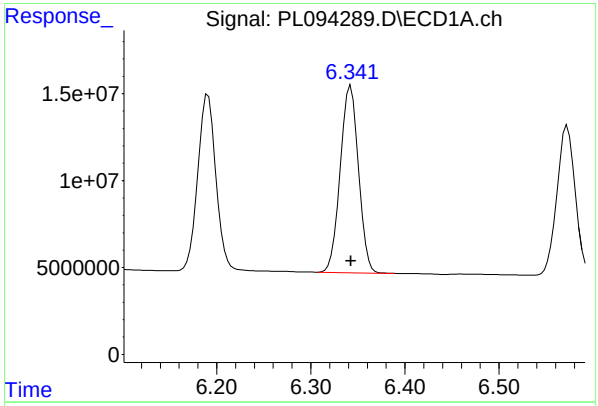
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 135594905
Conc: 55.70 ng/ml



#12 4,4'-DDE

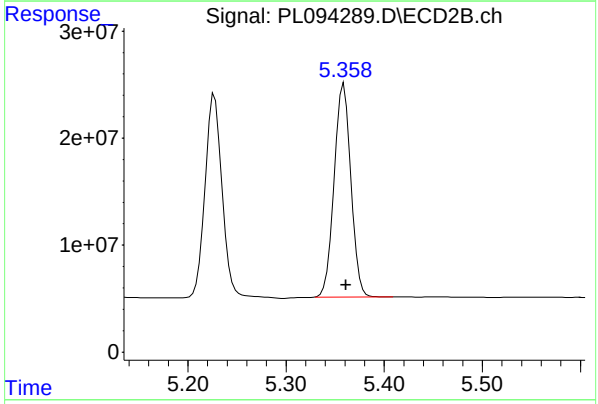
R.T.: 5.227 min
Delta R.T.: -0.002 min
Response: 228923948
Conc: 57.10 ng/ml



#13 Dieldrin

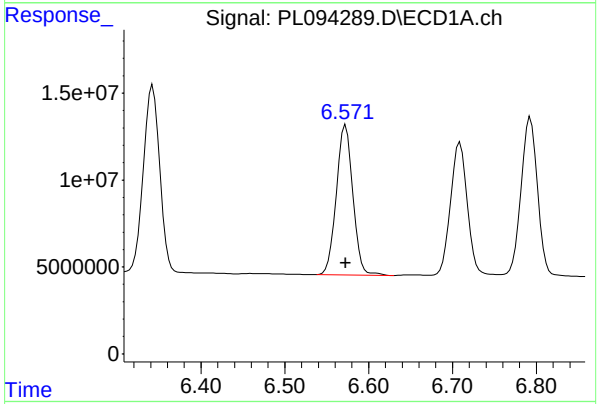
R.T.: 6.342 min
Delta R.T.: 0.000 min
Response: 145058997
Conc: 52.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



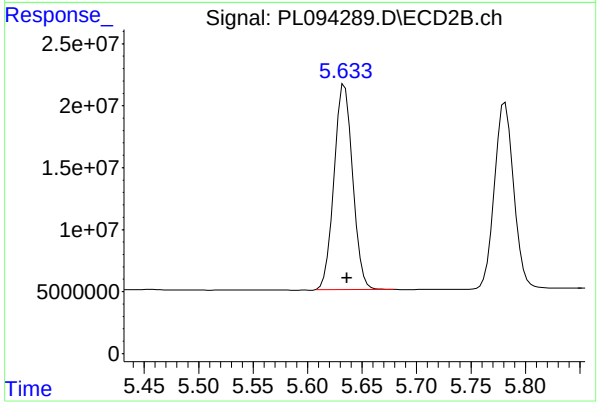
#13 Dieldrin

R.T.: 5.359 min
Delta R.T.: -0.002 min
Response: 236611399
Conc: 55.08 ng/ml



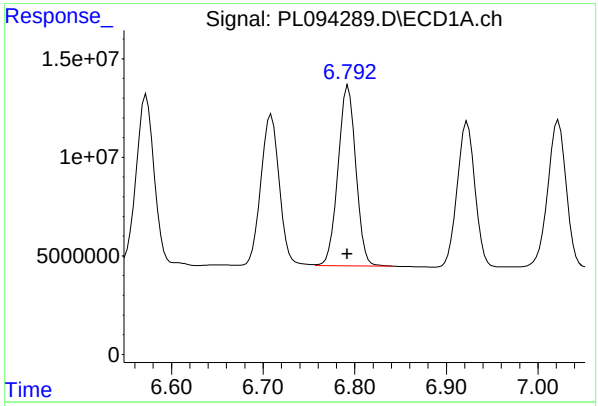
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 118291064
Conc: 50.45 ng/ml



#14 Endrin

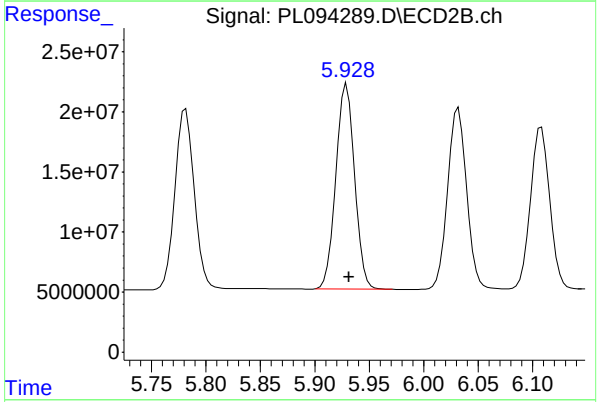
R.T.: 5.634 min
Delta R.T.: -0.002 min
Response: 196078766
Conc: 53.10 ng/ml



#15 Endosulfan II

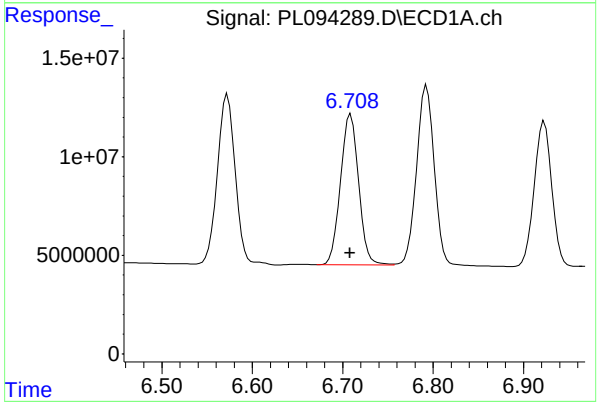
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 123896203
Conc: 51.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



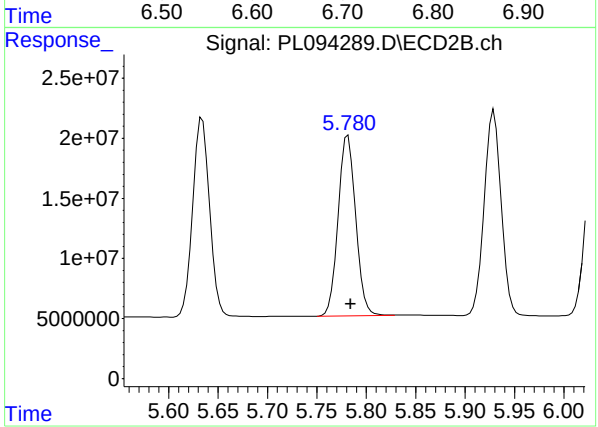
#15 Endosulfan II

R.T.: 5.929 min
Delta R.T.: -0.002 min
Response: 203927717
Conc: 55.06 ng/ml



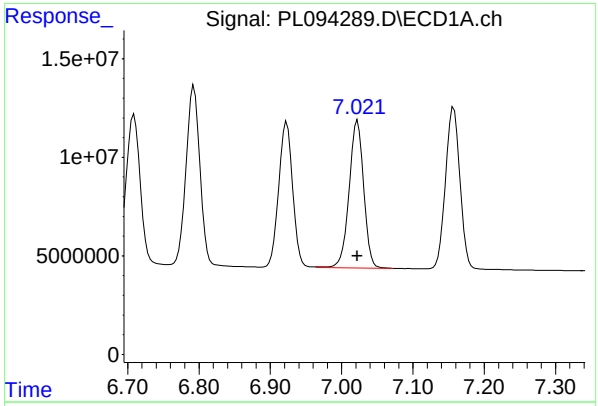
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 106942719
Conc: 56.27 ng/ml



#16 4,4'-DDD

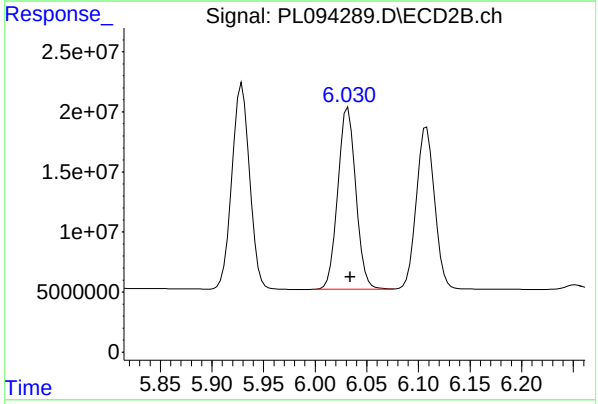
R.T.: 5.782 min
Delta R.T.: -0.003 min
Response: 185718769
Conc: 58.84 ng/ml



#17 4,4'-DDT

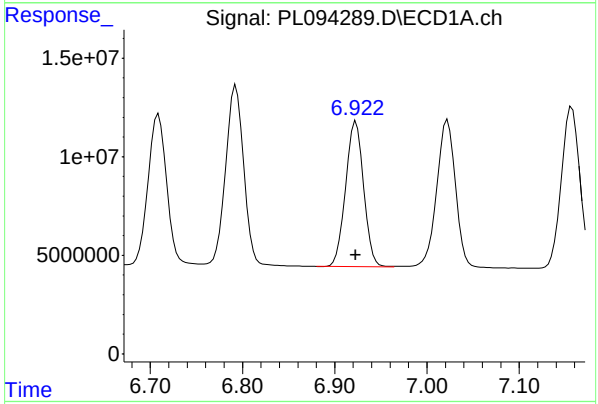
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 106413953
Conc: 53.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



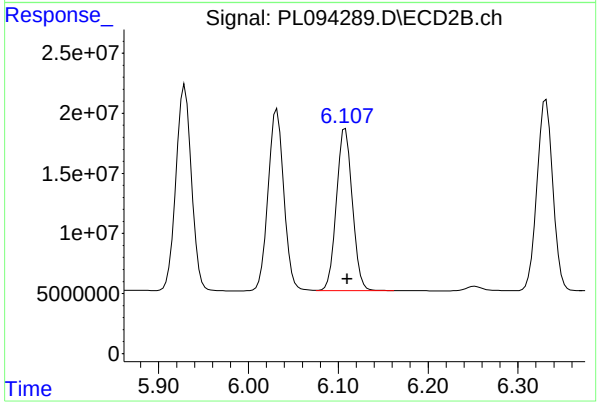
#17 4,4'-DDT

R.T.: 6.032 min
Delta R.T.: -0.002 min
Response: 183964692
Conc: 56.53 ng/ml



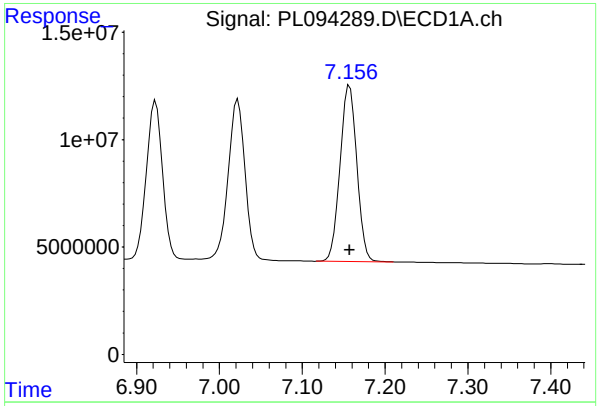
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 100072648
Conc: 51.48 ng/ml



#18 Endrin aldehyde

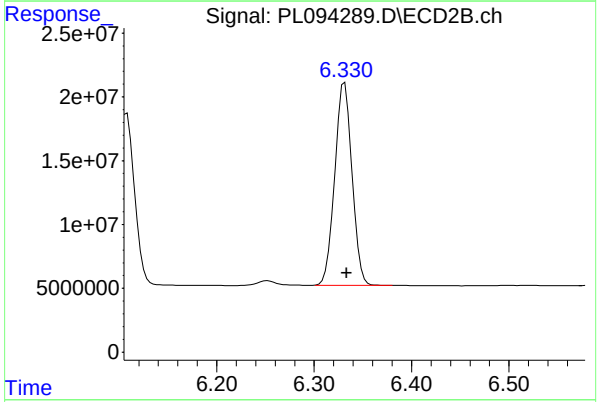
R.T.: 6.108 min
Delta R.T.: -0.002 min
Response: 166034590
Conc: 54.53 ng/ml



#19 Endosulfan Sulfate

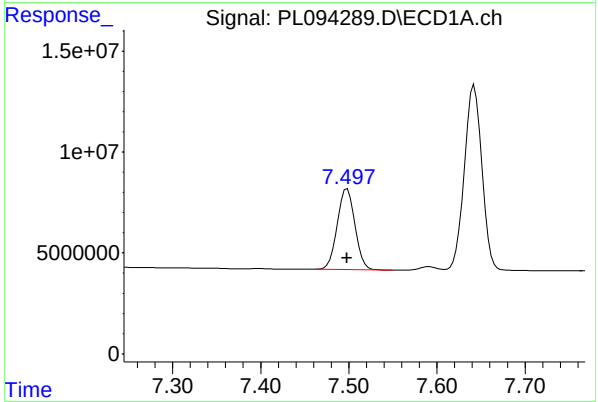
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 115610722
Conc: 51.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



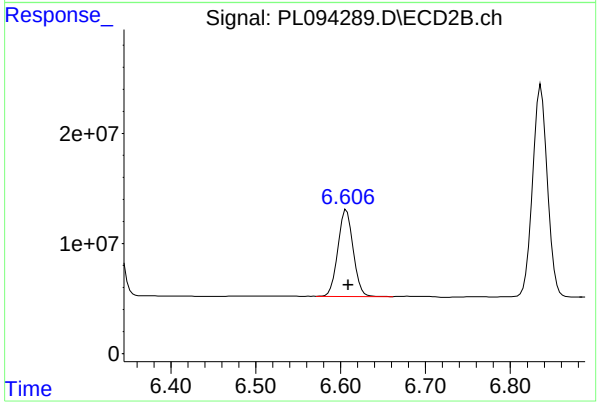
#19 Endosulfan Sulfate

R.T.: 6.331 min
Delta R.T.: -0.002 min
Response: 195407182
Conc: 54.80 ng/ml



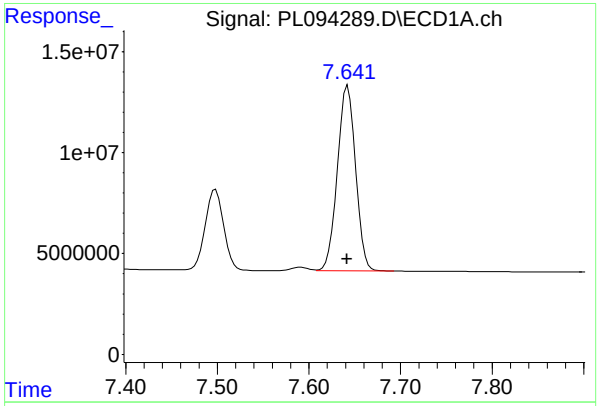
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 55997927
Conc: 53.67 ng/ml



#20 Methoxychlor

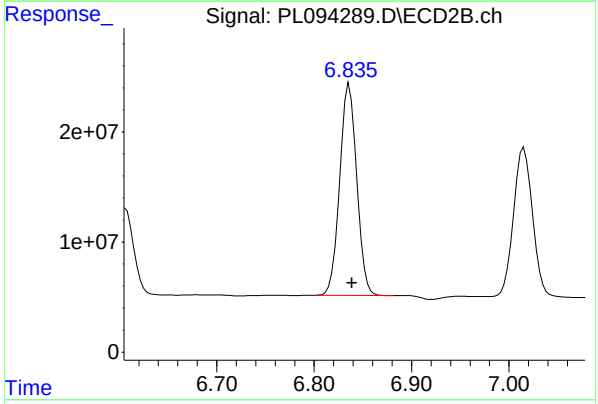
R.T.: 6.607 min
Delta R.T.: -0.002 min
Response: 98410883
Conc: 55.04 ng/ml



#21 Endrin ketone

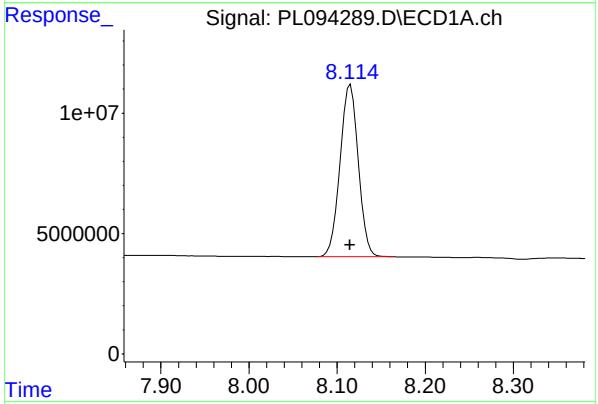
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 127257051
Conc: 50.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



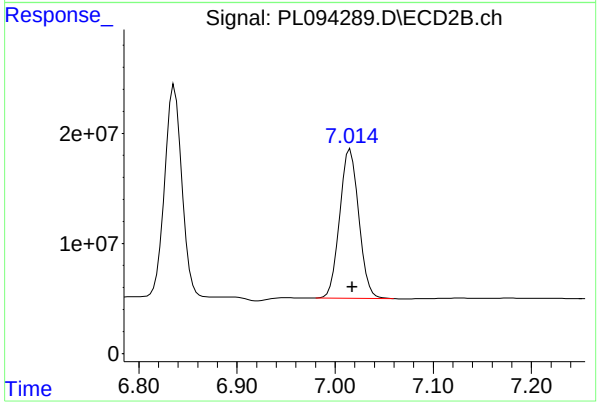
#21 Endrin ketone

R.T.: 6.836 min
Delta R.T.: -0.003 min
Response: 233004687
Conc: 55.54 ng/ml



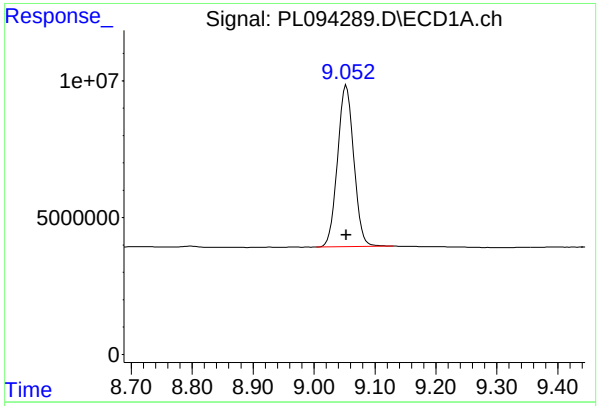
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 103203969
Conc: 49.56 ng/ml



#22 Mirex

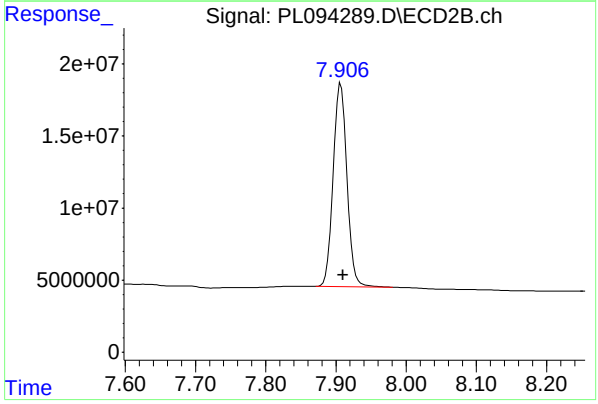
R.T.: 7.016 min
Delta R.T.: -0.002 min
Response: 183445314
Conc: 54.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 mi
Response: 109823591
Conc: 52.50 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.907 min
Delta R.T.: -0.003 min
Response: 192393630
Conc: 54.91 ng/ml

Alliance TECHNICAL GROUP
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.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/20/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 10:16 **Initial Calibration Time(s):** 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.05	9.05	8.95	9.15	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	4.00	3.90	4.10	0.01
beta-BHC	4.52	4.53	4.43	4.63	0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.91	4.91	4.81	5.01	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	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	7.16	7.06	7.26	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

Alliance TECHNICAL GROUP
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.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/20/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 10:16 **Initial Calibration Time(s):** 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.27	3.28	3.18	3.38	0.01
beta-BHC	3.90	3.91	3.81	4.01	0.01
delta-BHC	4.13	4.14	4.04	4.24	0.01
gamma-BHC (Lindane)	3.60	3.61	3.51	3.71	0.01
Heptachlor	3.94	3.95	3.85	4.05	0.01
Aldrin	4.22	4.23	4.13	4.33	0.01
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endosulfan I	5.09	5.10	5.00	5.20	0.01
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.23	5.23	5.13	5.33	0.00
Endrin	5.63	5.64	5.54	5.74	0.01
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.03	6.03	5.93	6.13	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.97	4.98	4.88	5.08	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL04 **Date Analyzed:** 02/20/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094293.D **Time Analyzed:** 10:16

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.709	6.608	6.808	55.880	50.000	11.8
4,4'-DDE	6.191	6.091	6.291	55.630	50.000	11.3
4,4'-DDT	7.022	6.922	7.122	51.650	50.000	3.3
Aldrin	5.255	5.156	5.356	52.500	50.000	5.0
alpha-BHC	3.993	3.895	4.095	50.190	50.000	0.4
alpha-Chlordane	6.016	5.917	6.117	52.060	50.000	4.1
beta-BHC	4.524	4.425	4.625	50.360	50.000	0.7
Decachlorobiphenyl	9.053	8.953	9.153	51.820	50.000	3.6
delta-BHC	4.771	4.672	4.872	52.040	50.000	4.1
Dieldrin	6.342	6.243	6.443	51.590	50.000	3.2
Endosulfan I	6.067	5.967	6.167	51.400	50.000	2.8
Endosulfan II	6.792	6.692	6.892	51.130	50.000	2.3
Endosulfan sulfate	7.157	7.057	7.257	50.320	50.000	0.6
Endrin	6.571	6.472	6.672	48.360	50.000	-3.3
Endrin aldehyde	6.922	6.823	7.023	51.640	50.000	3.3
Endrin ketone	7.642	7.542	7.742	51.620	50.000	3.2
gamma-BHC (Lindane)	4.326	4.227	4.427	50.720	50.000	1.4
gamma-Chlordane	5.938	5.838	6.038	52.460	50.000	4.9
Heptachlor	4.912	4.814	5.014	52.040	50.000	4.1
Heptachlor epoxide	5.682	5.582	5.782	51.490	50.000	3.0
Methoxychlor	7.498	7.398	7.598	53.290	50.000	6.6
Tetrachloro-m-xylene	3.537	3.439	3.639	48.060	50.000	-3.9

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL04 **Date Analyzed:** 02/20/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094293.D **Time Analyzed:** 10:16

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.779	5.684	5.884	59.280	50.000	18.6
4,4'-DDE	5.226	5.130	5.330	56.580	50.000	13.2
4,4'-DDT	6.031	5.934	6.134	54.850	50.000	9.7
Aldrin	4.221	4.125	4.325	54.330	50.000	8.7
alpha-BHC	3.274	3.177	3.377	53.590	50.000	7.2
alpha-Chlordane	5.037	4.940	5.140	54.610	50.000	9.2
beta-BHC	3.904	3.807	4.007	52.870	50.000	5.7
Decachlorobiphenyl	7.907	7.810	8.010	55.100	50.000	10.2
delta-BHC	4.133	4.036	4.236	53.680	50.000	7.4
Dieldrin	5.357	5.261	5.461	54.160	50.000	8.3
Endosulfan I	5.093	4.996	5.196	53.130	50.000	6.3
Endosulfan II	5.926	5.831	6.031	54.950	50.000	9.9
Endosulfan sulfate	6.330	6.233	6.433	54.270	50.000	8.5
Endrin	5.633	5.536	5.736	51.620	50.000	3.2
Endrin aldehyde	6.107	6.010	6.210	54.160	50.000	8.3
Endrin ketone	6.835	6.739	6.939	56.070	50.000	12.1
gamma-BHC (Lindane)	3.604	3.507	3.707	53.620	50.000	7.2
gamma-Chlordane	4.973	4.877	5.077	54.540	50.000	9.1
Heptachlor	3.942	3.845	4.045	52.830	50.000	5.7
Heptachlor epoxide	4.723	4.627	4.827	54.340	50.000	8.7
Methoxychlor	6.606	6.509	6.709	53.930	50.000	7.9
Tetrachloro-m-xylene	2.772	2.674	2.874	52.060	50.000	4.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094293.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 10:16
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:34:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.537	2.772	129.4E6	169.9E6	48.058	52.058
28) SA	Decachlor...	9.053	7.907	108.4E6	193.1E6	51.822	55.099
	Target Compounds						
2) A	alpha-BHC	3.993	3.274	192.4E6	262.0E6	50.193	53.586
3) MA	gamma-BHC...	4.326	3.604	186.8E6	254.2E6	50.716	53.619
4) MA	Heptachlor	4.912	3.942	170.6E6	245.9E6	52.044m	52.830
5) MB	Aldrin	5.255	4.221	171.8E6	247.8E6	52.503	54.331
6) B	beta-BHC	4.524	3.904	80945065	105.6E6	50.360	52.870
7) B	delta-BHC	4.771	4.133	182.4E6	255.1E6	52.039	53.682
8) B	Heptachlo...	5.682	4.723	153.1E6	227.2E6	51.486	54.345
9) A	Endosulfan I	6.067	5.093	135.9E6	206.0E6	51.403	53.134
10) B	gamma-Chl...	5.938	4.973	146.2E6	231.1E6	52.464	54.541
11) B	alpha-Chl...	6.016	5.037	145.2E6	228.6E6	52.057	54.609
12) B	4,4'-DDE	6.191	5.226	135.4E6	226.9E6	55.635	56.584
13) MA	Dieldrin	6.342	5.357	143.2E6	232.6E6	51.592	54.157
14) MA	Endrin	6.571	5.633	113.4E6	190.6E6	48.365m	51.618
15) B	Endosulfa...	6.792	5.926	123.2E6	203.5E6	51.133	54.947m
16) A	4,4'-DDD	6.709	5.779	106.2E6	187.1E6	55.881	59.284m
17) MA	4,4'-DDT	7.022	6.031	101.9E6	178.5E6	51.652	54.851
18) B	Endrin al...	6.922	6.107	100.4E6	164.9E6	51.642	54.163
19) B	Endosulfa...	7.157	6.330	113.9E6	193.5E6	50.319	54.272
20) A	Methoxychlor	7.498	6.606	55599546	96426607	53.287	53.926
21) B	Endrin ke...	7.642	6.835	130.2E6	235.2E6	51.621	56.074
22)	Mirex	8.115	7.015	103.6E6	184.6E6	49.743	54.572

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

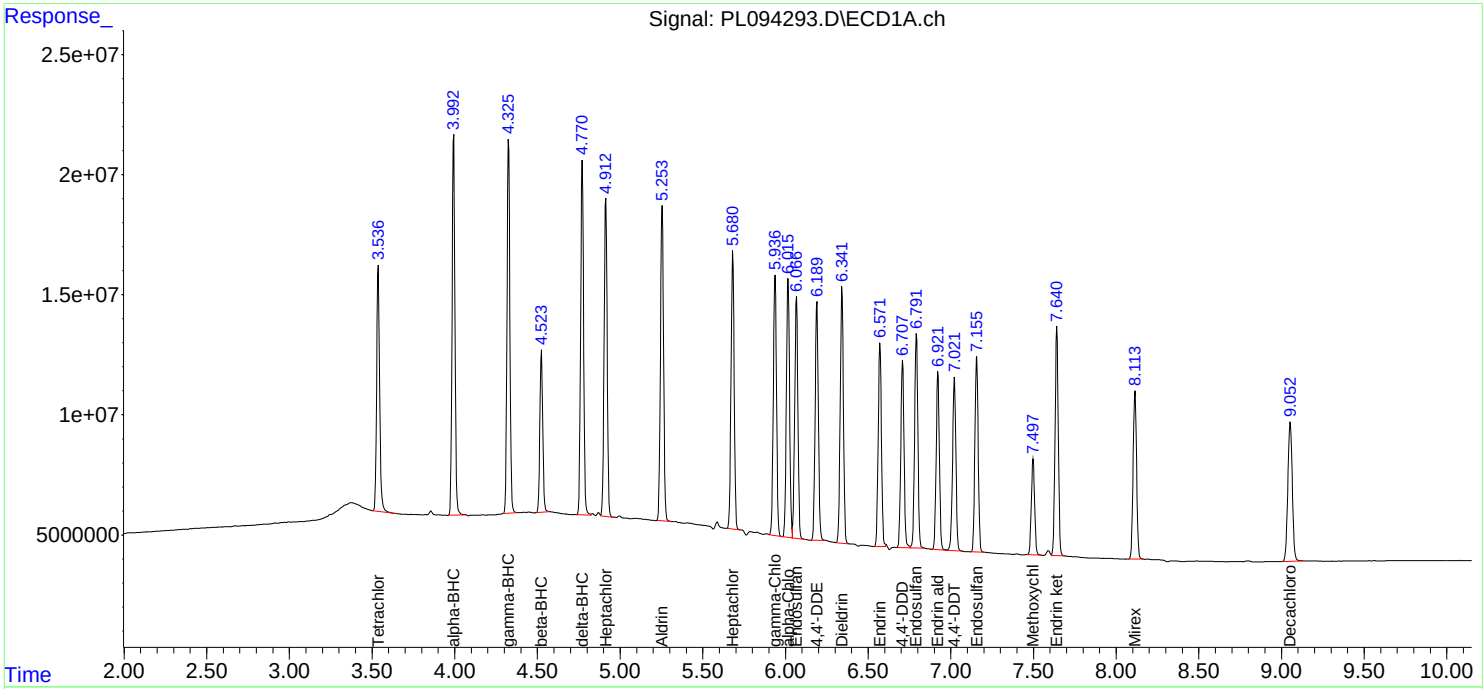
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094293.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 10:16
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

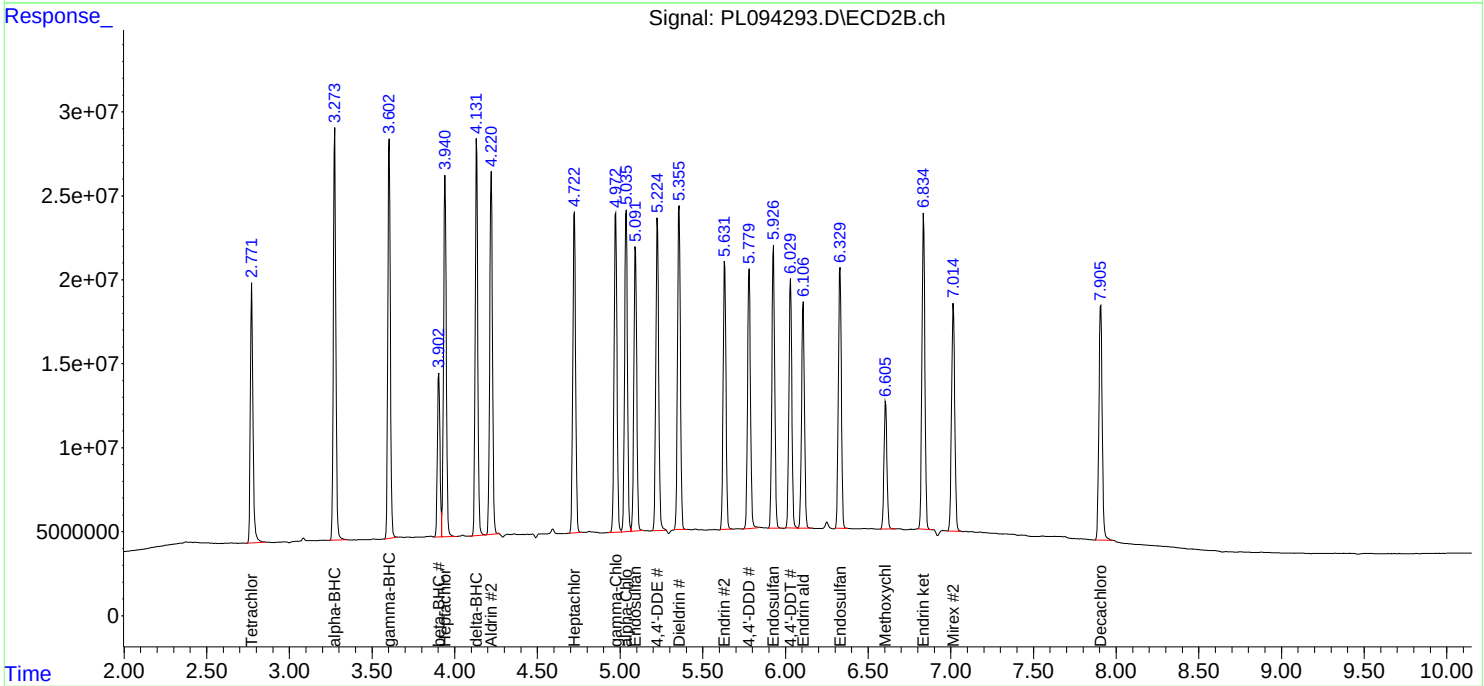
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

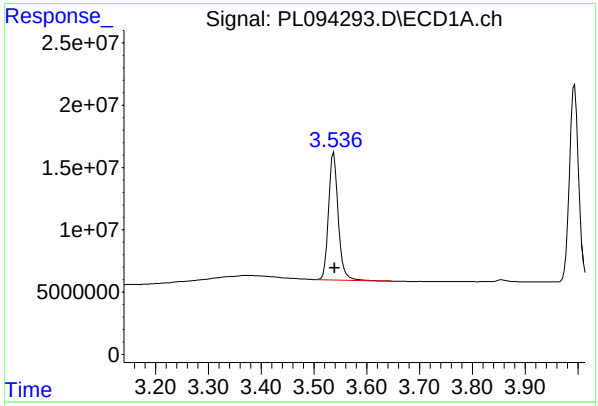
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:34:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 129408406
Conc: 48.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
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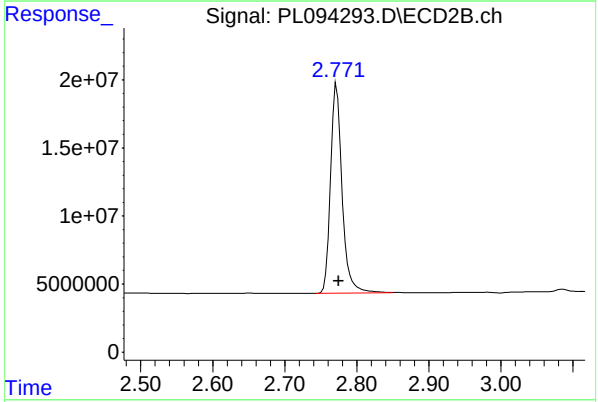
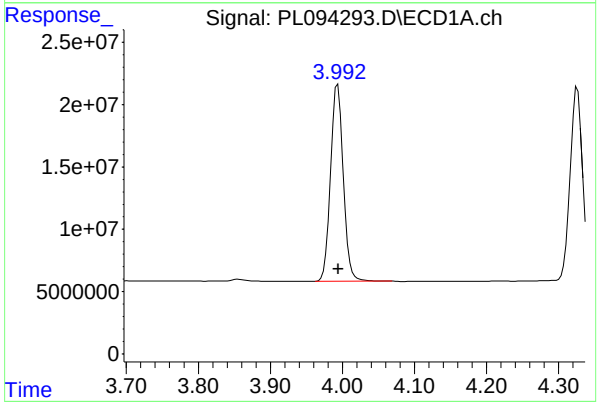


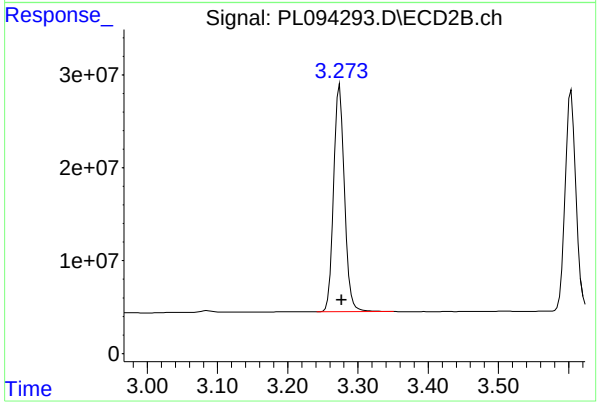
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.002 min
Response: 169925642
Conc: 52.06 ng/ml



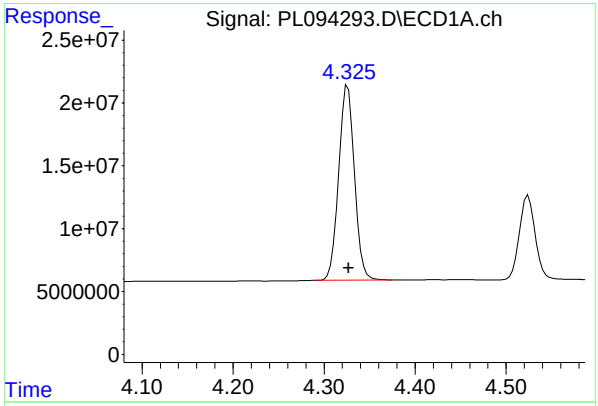
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 192431603
Conc: 50.19 ng/ml



#2 alpha-BHC

R.T.: 3.274 min
Delta R.T.: -0.003 min
Response: 261982501
Conc: 53.59 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: -0.001 mi
Response: 186780143
Conc: 50.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
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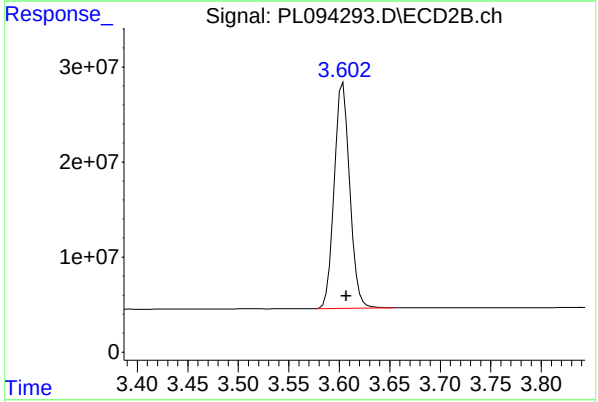
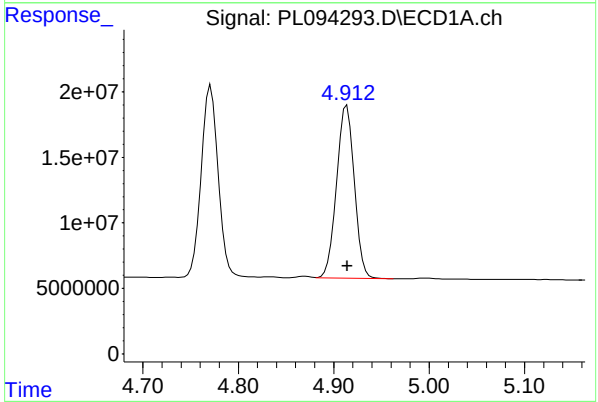


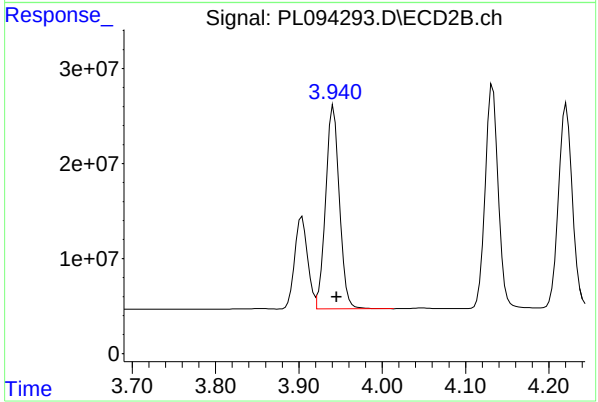
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: -0.003 min
Response: 254220534
Conc: 53.62 ng/ml



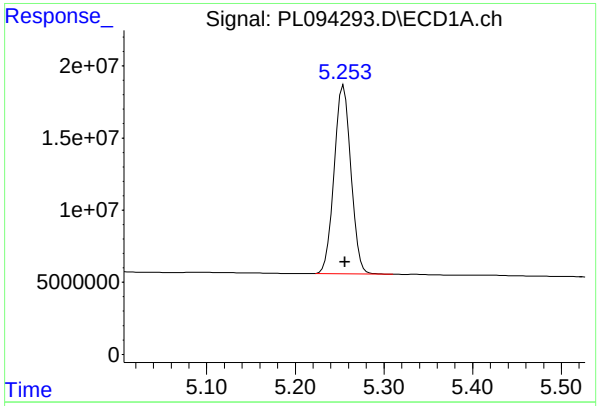
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: -0.002 min
Response: 170564564
Conc: 52.04 ng/ml m



#4 Heptachlor

R.T.: 3.942 min
Delta R.T.: -0.004 min
Response: 245911706
Conc: 52.83 ng/ml



#5 Aldrin

R.T.: 5.255 min
Delta R.T.: -0.001 min
Response: 171789005
Conc: 52.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
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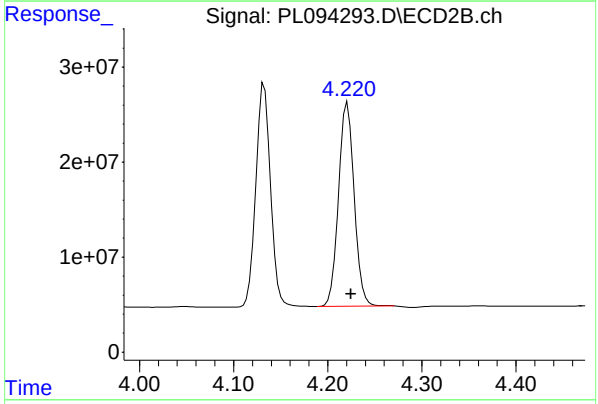
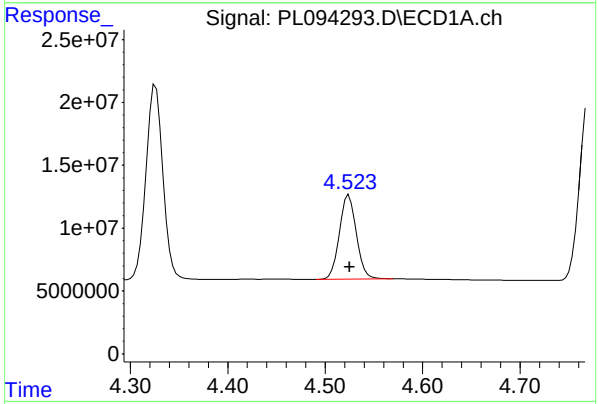


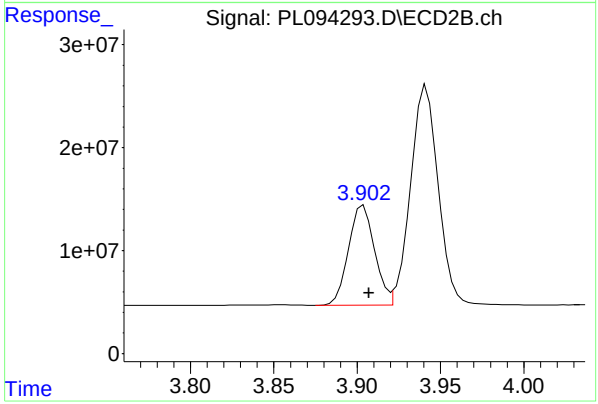
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: -0.004 min
Response: 247847712
Conc: 54.33 ng/ml



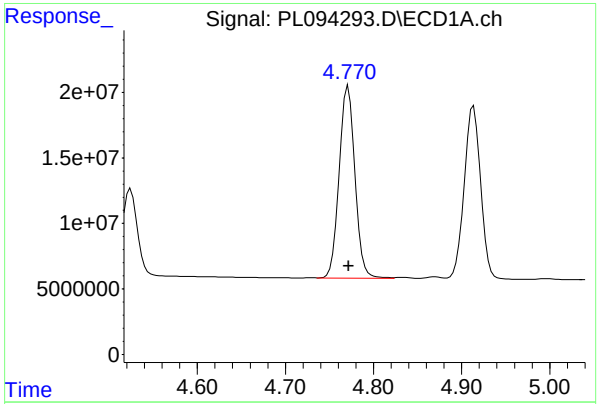
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 80945065
Conc: 50.36 ng/ml



#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 105605347
Conc: 52.87 ng/ml



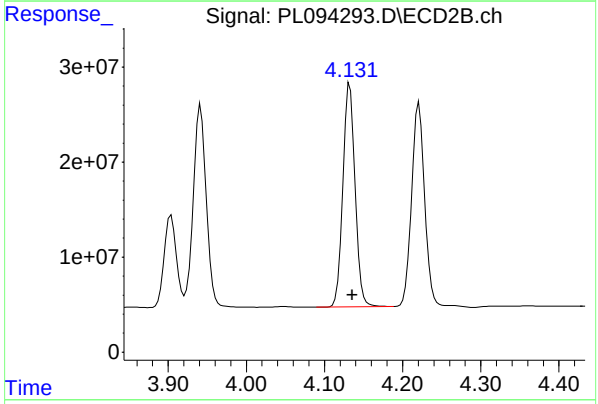
#7 delta-BHC

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 182410711
Conc: 52.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

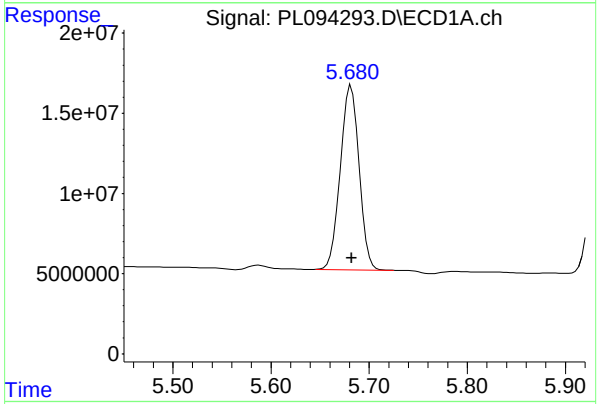
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



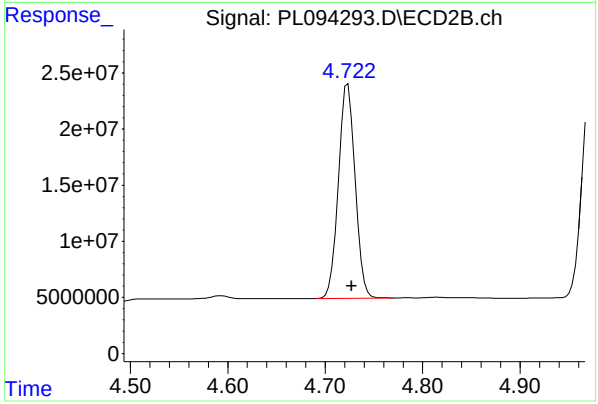
#7 delta-BHC

R.T.: 4.133 min
Delta R.T.: -0.003 min
Response: 255054037
Conc: 53.68 ng/ml



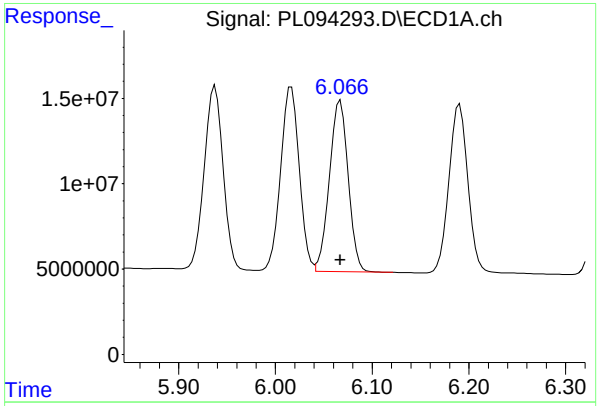
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 153109569
Conc: 51.49 ng/ml



#8 Heptachlor epoxide

R.T.: 4.723 min
Delta R.T.: -0.004 min
Response: 227174529
Conc: 54.34 ng/ml



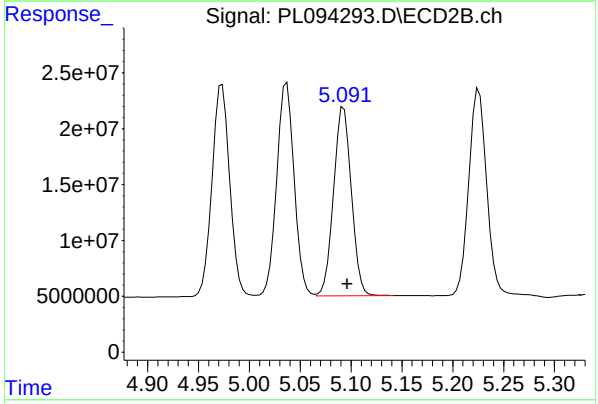
#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 135851909
Conc: 51.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

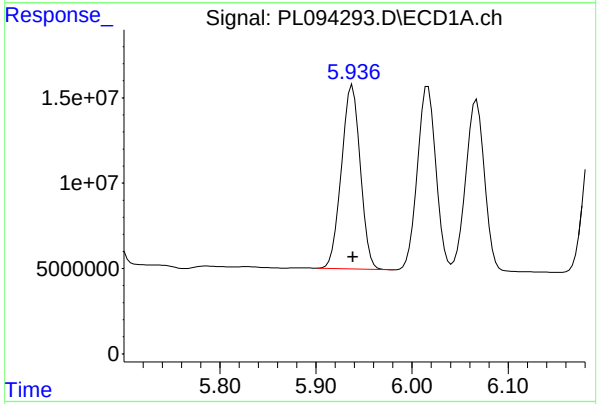
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



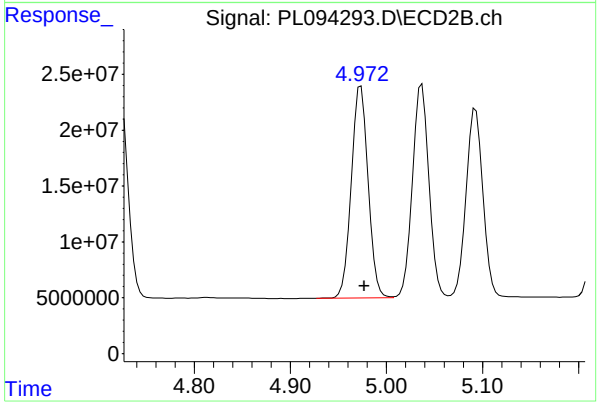
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: -0.004 min
Response: 205996950
Conc: 53.13 ng/ml



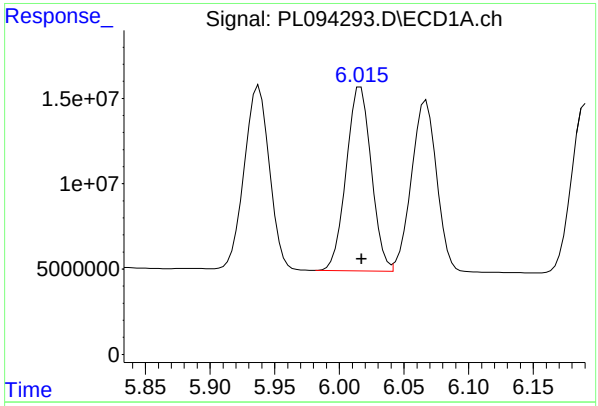
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 146237049
Conc: 52.46 ng/ml



#10 gamma-Chlordane

R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 231124599
Conc: 54.54 ng/ml



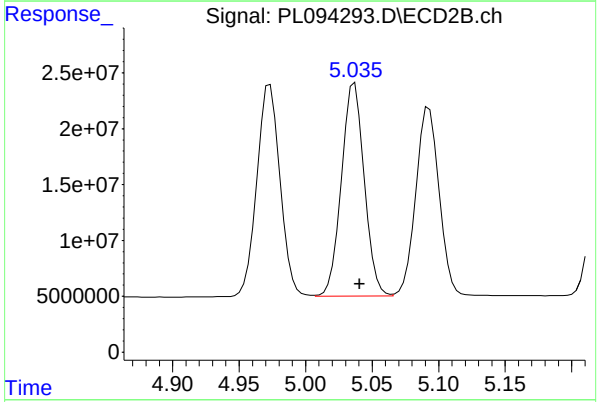
#11 alpha-Chlordane

R.T.: 6.016 min
Delta R.T.: 0.000 min
Response: 145156571
Conc: 52.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

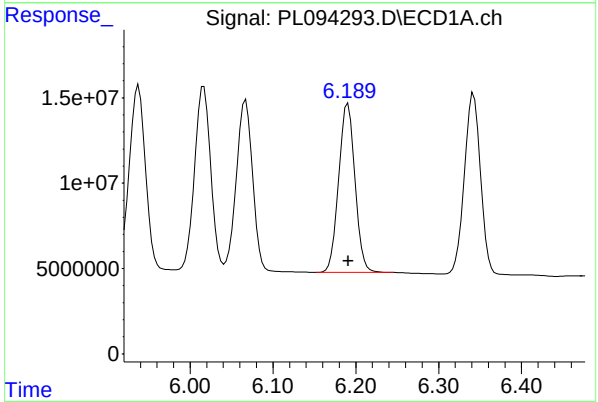
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



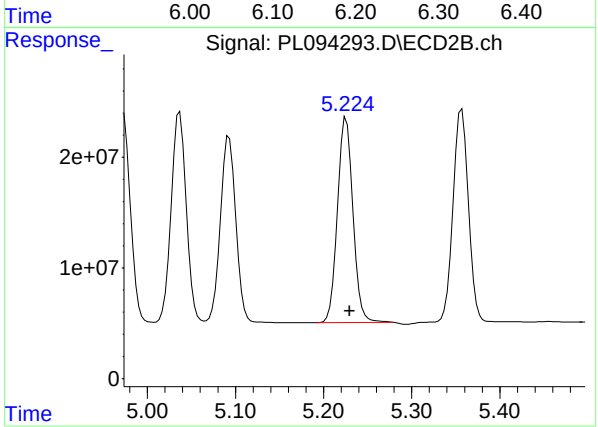
#11 alpha-Chlordane

R.T.: 5.037 min
Delta R.T.: -0.004 min
Response: 228622597
Conc: 54.61 ng/ml



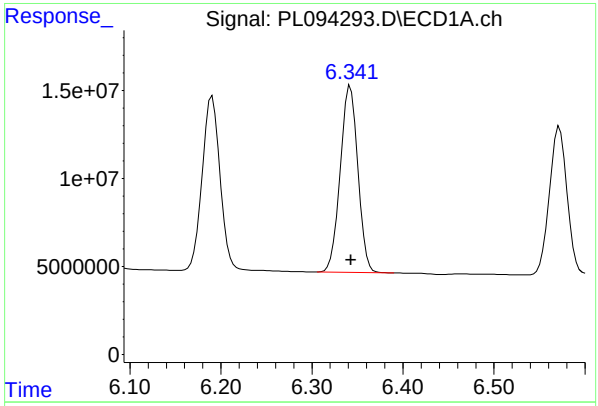
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 135448434
Conc: 55.63 ng/ml



#12 4,4'-DDE

R.T.: 5.226 min
Delta R.T.: -0.004 min
Response: 226871374
Conc: 56.58 ng/ml



#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: 0.000 mi
Response: 143211298
Conc: 51.59 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

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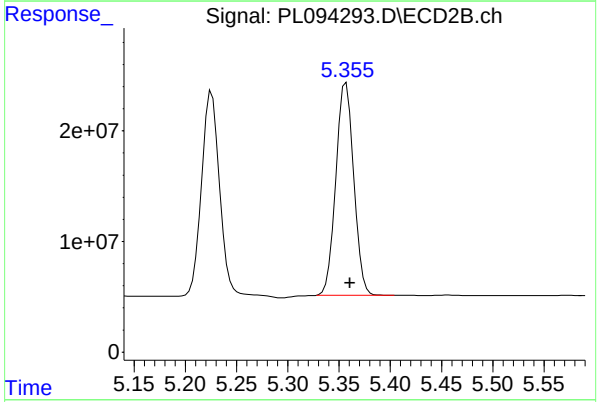
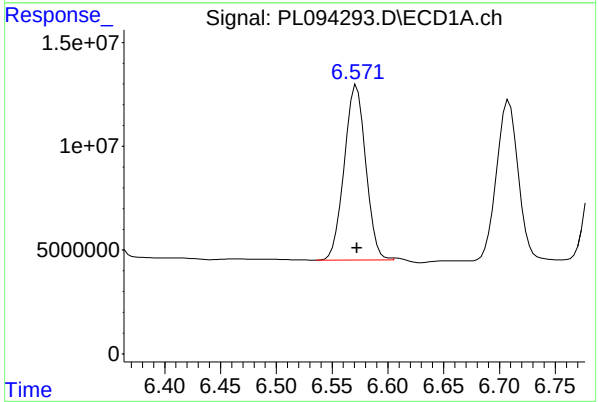


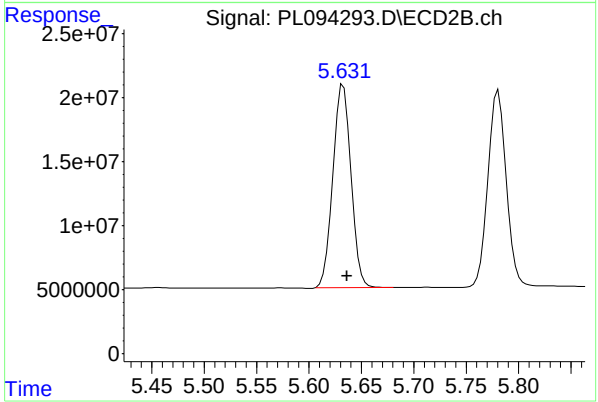
#13 Dieldrin

R.T.: 5.357 min
Delta R.T.: -0.004 min
Response: 232641139
Conc: 54.16 ng/ml



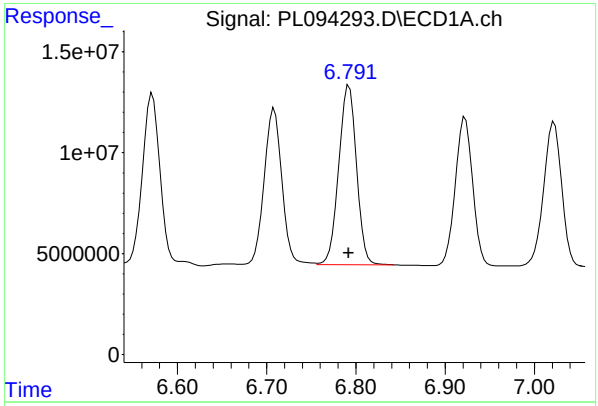
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 113407020
Conc: 48.36 ng/ml m



#14 Endrin

R.T.: 5.633 min
Delta R.T.: -0.004 min
Response: 190607667
Conc: 51.62 ng/ml



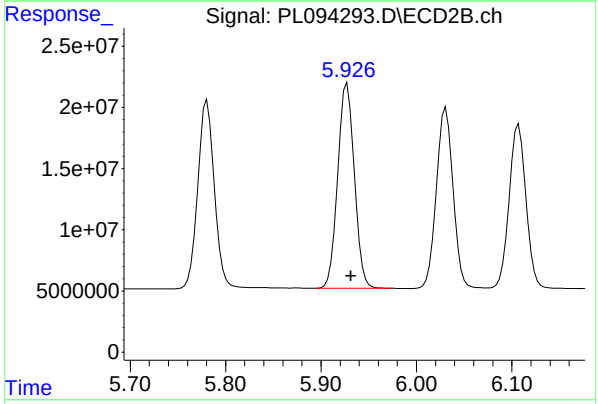
#15 Endosulfan II

R.T.: 6.792 min
Delta R.T.: 0.000 min
Response: 123196410
Conc: 51.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

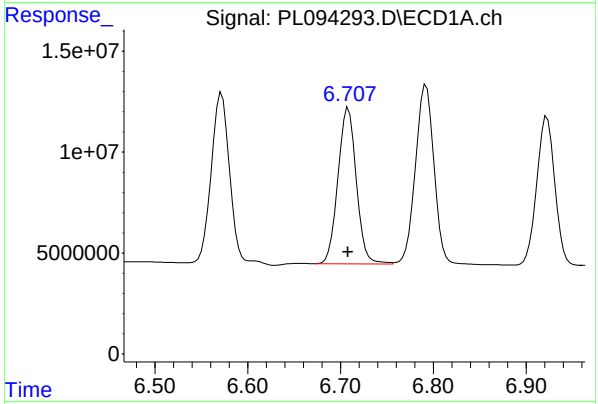
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



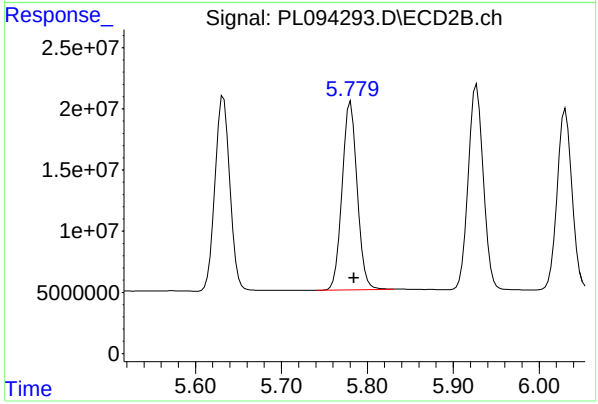
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: -0.005 min
Response: 203514097
Conc: 54.95 ng/ml m



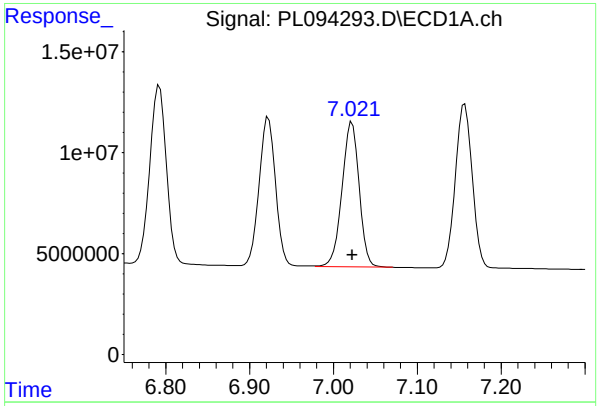
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 106206143
Conc: 55.88 ng/ml



#16 4,4'-DDD

R.T.: 5.779 min
Delta R.T.: -0.005 min
Response: 187133040
Conc: 59.28 ng/ml m



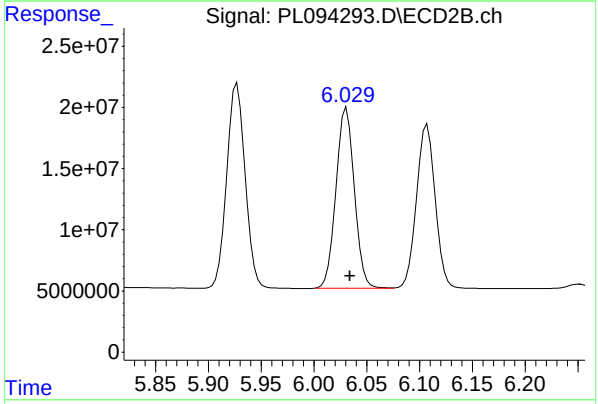
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 101861229
Conc: 51.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

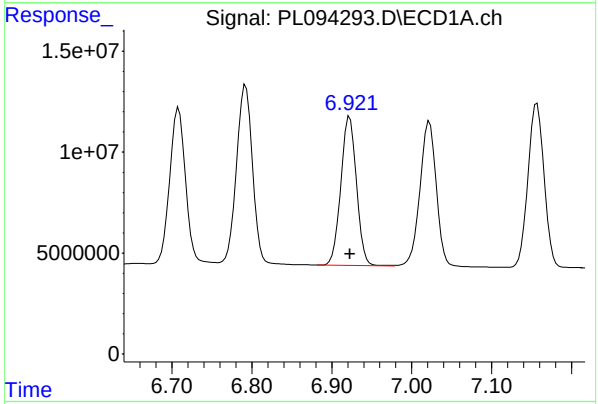
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



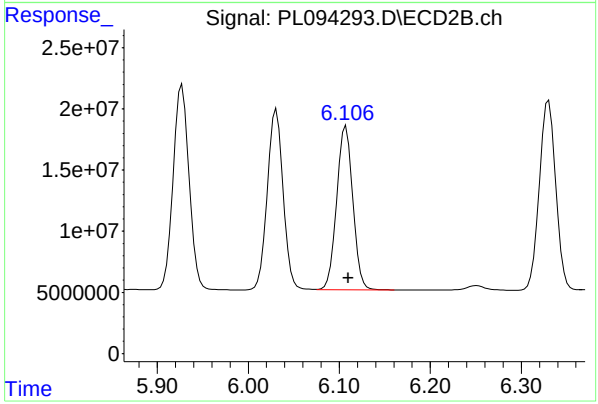
#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: -0.003 min
Response: 178487845
Conc: 54.85 ng/ml



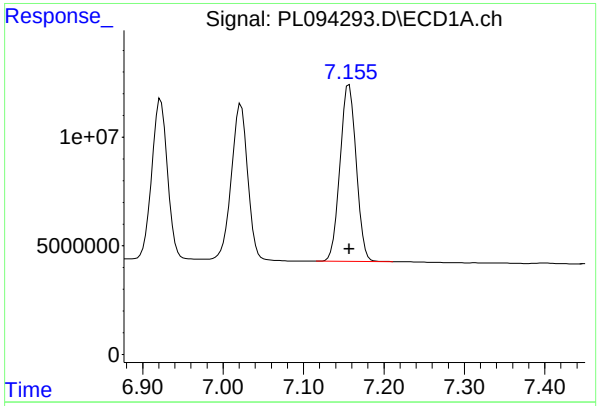
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 100393977
Conc: 51.64 ng/ml



#18 Endrin aldehyde

R.T.: 6.107 min
Delta R.T.: -0.003 min
Response: 164905832
Conc: 54.16 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 113910176
Conc: 50.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

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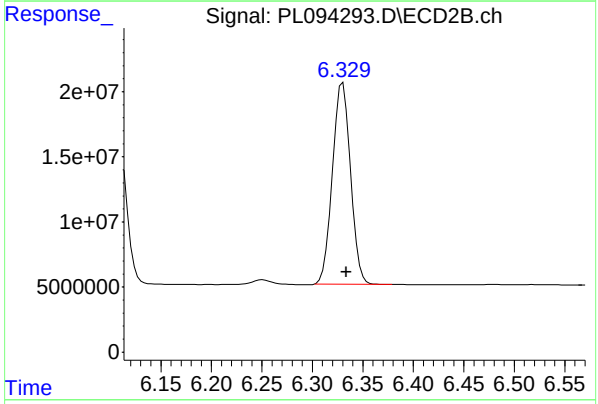
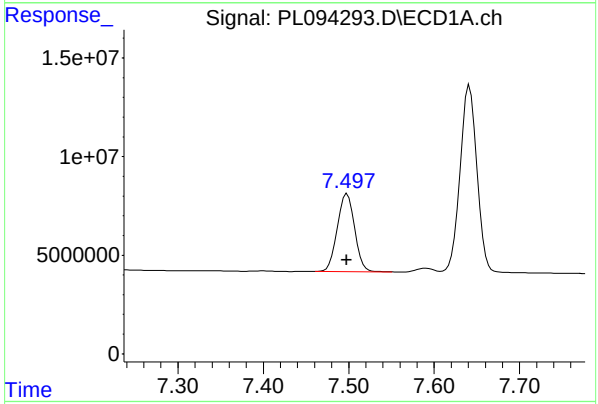
Supervised By :Ankita Jodhani 02/21/2025



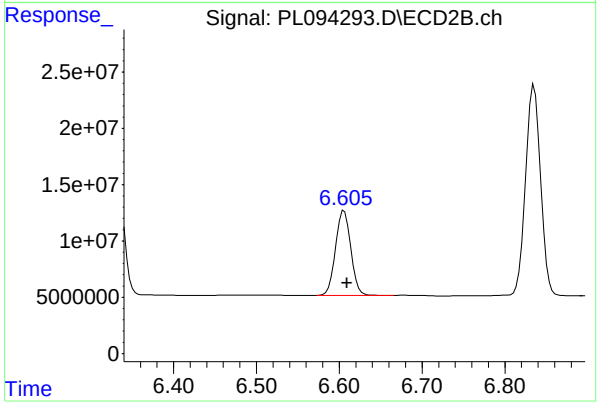
#19 Endosulfan Sulfate

R.T.: 6.330 min
Delta R.T.: -0.003 min
Response: 193537667
Conc: 54.27 ng/ml



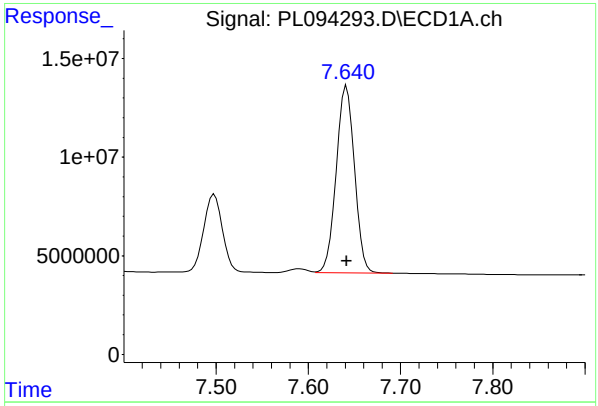
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 55599546
Conc: 53.29 ng/ml



#20 Methoxychlor

R.T.: 6.606 min
Delta R.T.: -0.003 min
Response: 96426607
Conc: 53.93 ng/ml



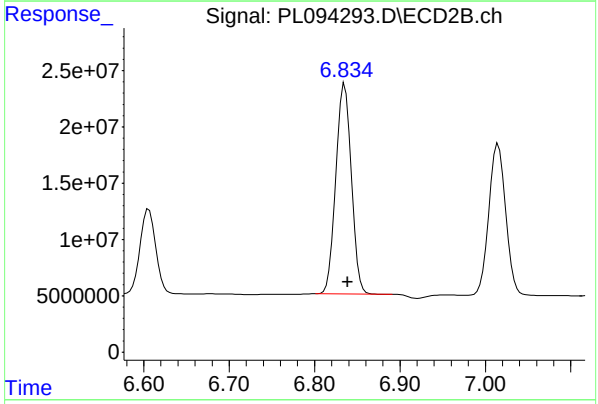
#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 130221280
Conc: 51.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

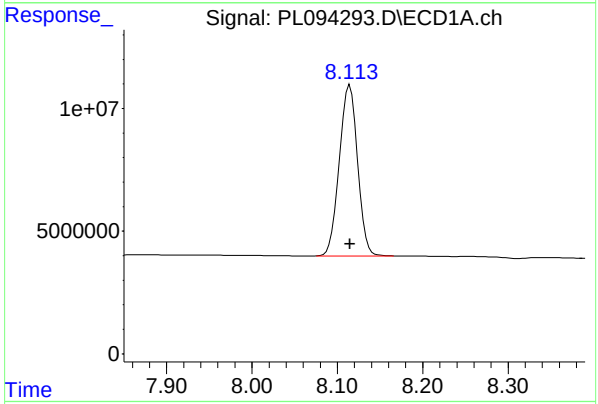
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



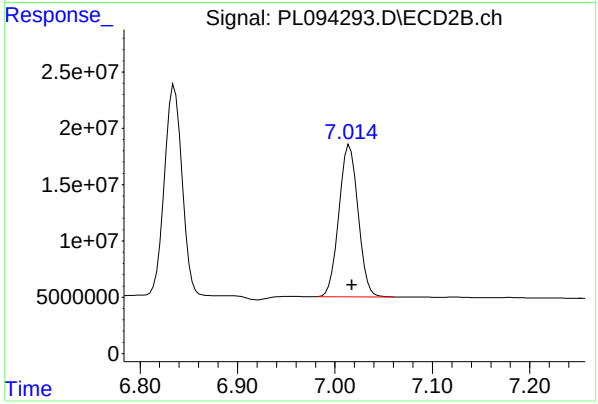
#21 Endrin ketone

R.T.: 6.835 min
Delta R.T.: -0.004 min
Response: 235244201
Conc: 56.07 ng/ml



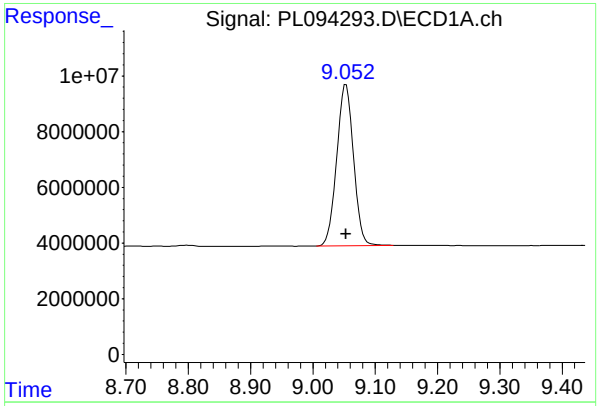
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 103589944
Conc: 49.74 ng/ml



#22 Mirex

R.T.: 7.015 min
Delta R.T.: -0.002 min
Response: 184555441
Conc: 54.57 ng/ml



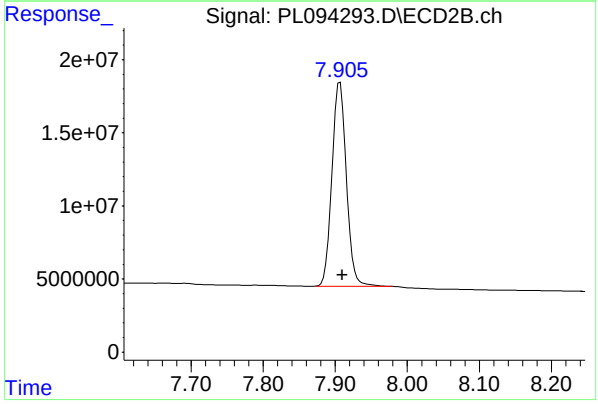
#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 mi
Response: 108406137
Conc: 51.82 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



#28 Decachlorobiphenyl

R.T.: 7.907 min
Delta R.T.: -0.003 min
Response: 193068890
Conc: 55.10 ng/ml

Alliance TECHNICAL GROUP
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.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/20/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 13:00 **Initial Calibration Time(s):** 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.05	9.05	8.95	9.15	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	4.00	3.90	4.10	0.01
beta-BHC	4.52	4.53	4.43	4.63	0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.91	4.81	5.01	0.00
Aldrin	5.25	5.26	5.16	5.36	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	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	7.16	7.06	7.26	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.01
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/20/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 13:00 **Initial Calibration Time(s):** 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.27	3.28	3.18	3.38	0.01
beta-BHC	3.90	3.91	3.81	4.01	0.01
delta-BHC	4.13	4.14	4.04	4.24	0.01
gamma-BHC (Lindane)	3.60	3.61	3.51	3.71	0.01
Heptachlor	3.94	3.95	3.85	4.05	0.01
Aldrin	4.22	4.23	4.13	4.33	0.01
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endosulfan I	5.09	5.10	5.00	5.20	0.01
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.23	5.23	5.13	5.33	0.01
Endrin	5.63	5.64	5.54	5.74	0.01
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.03	6.03	5.93	6.13	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.83	6.84	6.74	6.94	0.01
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.97	4.98	4.88	5.08	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL05 **Date Analyzed:** 02/20/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094305.D **Time Analyzed:** 13:00

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.706	6.608	6.808	56.950	50.000	13.9
4,4'-DDE	6.189	6.091	6.291	55.630	50.000	11.3
4,4'-DDT	7.020	6.922	7.122	51.110	50.000	2.2
Aldrin	5.253	5.156	5.356	52.570	50.000	5.1
alpha-BHC	3.992	3.895	4.095	50.320	50.000	0.6
alpha-Chlordane	6.015	5.917	6.117	52.250	50.000	4.5
beta-BHC	4.523	4.425	4.625	50.460	50.000	0.9
Decachlorobiphenyl	9.051	8.953	9.153	51.800	50.000	3.6
delta-BHC	4.770	4.672	4.872	51.960	50.000	3.9
Dieldrin	6.340	6.243	6.443	51.850	50.000	3.7
Endosulfan I	6.065	5.967	6.167	51.810	50.000	3.6
Endosulfan II	6.790	6.692	6.892	51.050	50.000	2.1
Endosulfan sulfate	7.155	7.057	7.257	50.380	50.000	0.8
Endrin	6.569	6.472	6.672	47.820	50.000	-4.4
Endrin aldehyde	6.920	6.823	7.023	51.780	50.000	3.6
Endrin ketone	7.640	7.542	7.742	52.740	50.000	5.5
gamma-BHC (Lindane)	4.324	4.227	4.427	50.750	50.000	1.5
gamma-Chlordane	5.936	5.838	6.038	52.620	50.000	5.2
Heptachlor	4.910	4.814	5.014	51.620	50.000	3.2
Heptachlor epoxide	5.680	5.582	5.782	51.870	50.000	3.7
Methoxychlor	7.496	7.398	7.598	51.990	50.000	4.0
Tetrachloro-m-xylene	3.536	3.439	3.639	48.980	50.000	-2.0

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL05 **Date Analyzed:** 02/20/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094305.D **Time Analyzed:** 13:00

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.780	5.684	5.884	59.460	50.000	18.9
4,4'-DDE	5.225	5.130	5.330	57.230	50.000	14.5
4,4'-DDT	6.030	5.934	6.134	53.840	50.000	7.7
Aldrin	4.220	4.125	4.325	54.520	50.000	9.0
alpha-BHC	3.273	3.177	3.377	53.650	50.000	7.3
alpha-Chlordane	5.036	4.940	5.140	54.630	50.000	9.3
beta-BHC	3.903	3.807	4.007	53.140	50.000	6.3
Decachlorobiphenyl	7.905	7.810	8.010	55.930	50.000	11.9
delta-BHC	4.132	4.036	4.236	53.910	50.000	7.8
Dieldrin	5.356	5.261	5.461	54.010	50.000	8.0
Endosulfan I	5.092	4.996	5.196	52.770	50.000	5.5
Endosulfan II	5.925	5.831	6.031	55.470	50.000	10.9
Endosulfan sulfate	6.329	6.233	6.433	54.830	50.000	9.7
Endrin	5.630	5.536	5.736	51.410	50.000	2.8
Endrin aldehyde	6.106	6.010	6.210	54.880	50.000	9.8
Endrin ketone	6.834	6.739	6.939	56.620	50.000	13.2
gamma-BHC (Lindane)	3.603	3.507	3.707	53.700	50.000	7.4
gamma-Chlordane	4.972	4.877	5.077	54.620	50.000	9.2
Heptachlor	3.941	3.845	4.045	52.710	50.000	5.4
Heptachlor epoxide	4.723	4.627	4.827	54.400	50.000	8.8
Methoxychlor	6.605	6.509	6.709	53.270	50.000	6.5
Tetrachloro-m-xylene	2.771	2.674	2.874	52.350	50.000	4.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094305.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 13:00
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:38:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.536	2.771	131.9E6	170.9E6	48.981	52.353
28)	SA Decachlor...	9.051	7.905	108.4E6	196.0E6	51.804	55.934
	Target Compounds						
2)	A alpha-BHC	3.992	3.273	192.9E6	262.3E6	50.321	53.648
3)	MA gamma-BHC...	4.324	3.603	186.9E6	254.6E6	50.753	53.702
4)	MA Heptachlor	4.910	3.941	169.2E6	245.4E6	51.622m	52.713
5)	MB Aldrin	5.253	4.220	172.0E6	248.7E6	52.575	54.524
6)	B beta-BHC	4.523	3.903	81109720	106.1E6	50.463	53.139
7)	B delta-BHC	4.770	4.132	182.1E6	256.1E6	51.956	53.906
8)	B Heptachlo...	5.680	4.723	154.3E6	227.4E6	51.874	54.405
9)	A Endosulfan I	6.065	5.092	136.9E6	204.6E6	51.810	52.773
10)	B gamma-Chl...	5.936	4.972	146.7E6	231.5E6	52.622	54.624
11)	B alpha-Chl...	6.015	5.036	145.7E6	228.7E6	52.249	54.633
12)	B 4,4'-DDE	6.189	5.225	135.4E6	229.5E6	55.627	57.233
13)	MA Dieldrin	6.340	5.356	143.9E6	232.0E6	51.847	54.010
14)	MA Endrin	6.569	5.630	112.1E6	189.8E6	47.820m	51.408m
15)	B Endosulfa...	6.790	5.925	123.0E6	205.5E6	51.052	55.475m
16)	A 4,4'-DDD	6.706	5.780	108.2E6	187.7E6	56.946	59.460
17)	MA 4,4'-DDT	7.020	6.030	100.8E6	175.2E6	51.105	53.845
18)	B Endrin al...	6.920	6.106	100.7E6	167.1E6	51.783	54.884
19)	B Endosulfa...	7.155	6.329	114.1E6	195.5E6	50.384	54.832
20)	A Methoxychlor	7.496	6.605	54245211	95245578	51.989	53.265
21)	B Endrin ke...	7.640	6.834	133.0E6	237.5E6	52.742	56.618
22)	Mirex	8.112	7.014	103.5E6	184.4E6	49.698	54.522

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094305.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 13:00
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
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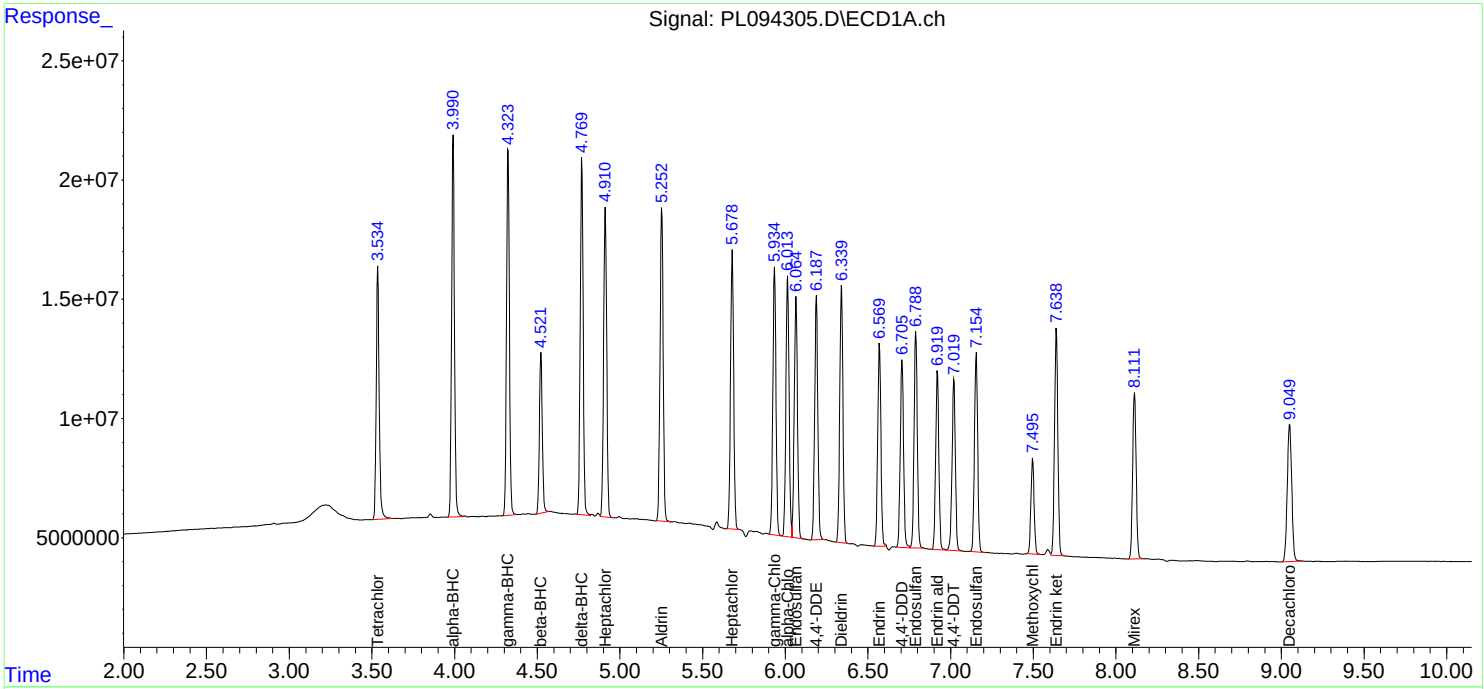
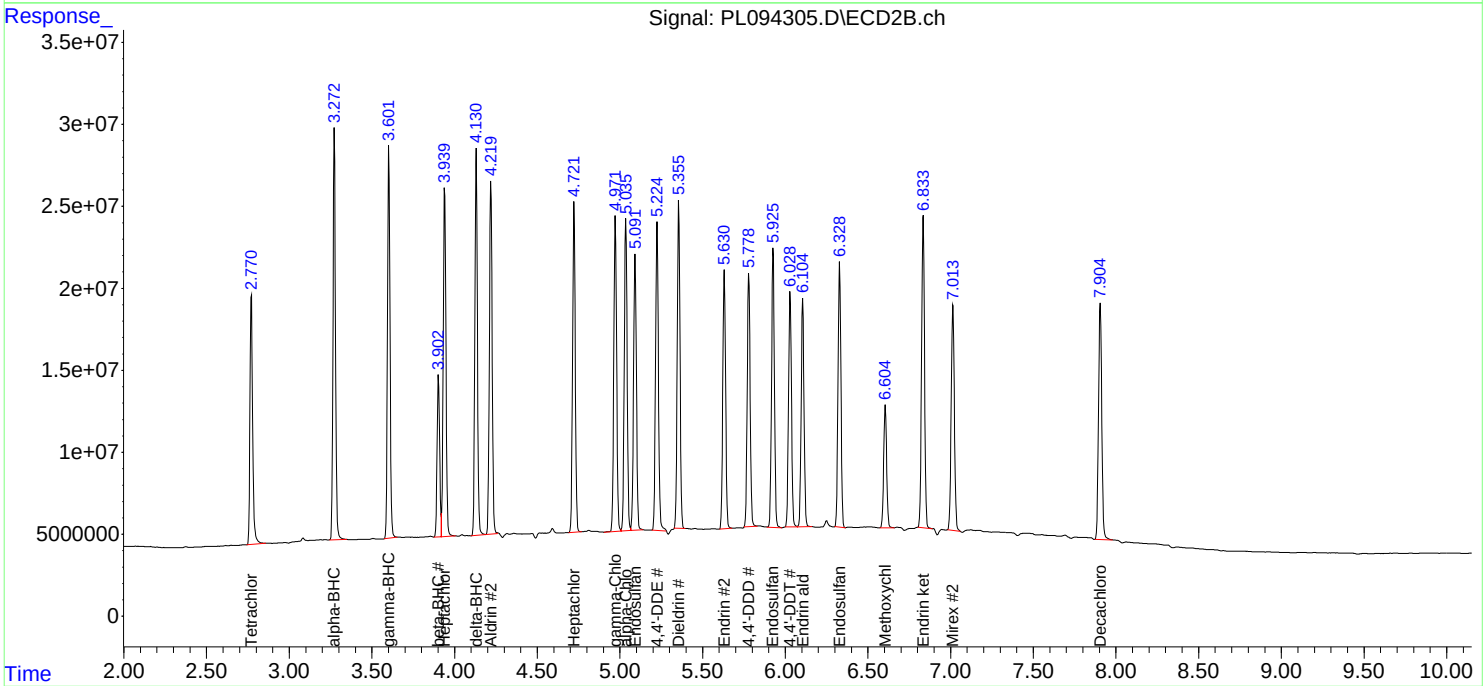
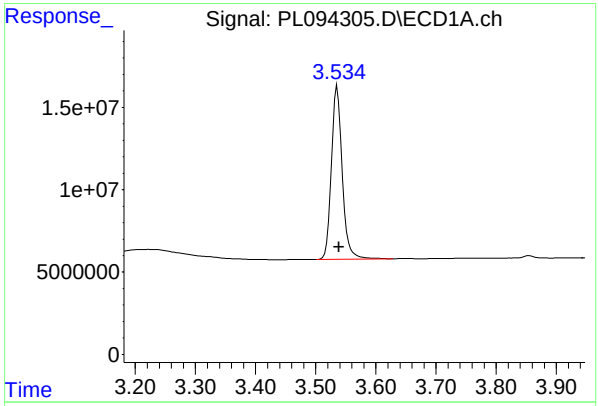
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:38:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 131894628
Conc: 48.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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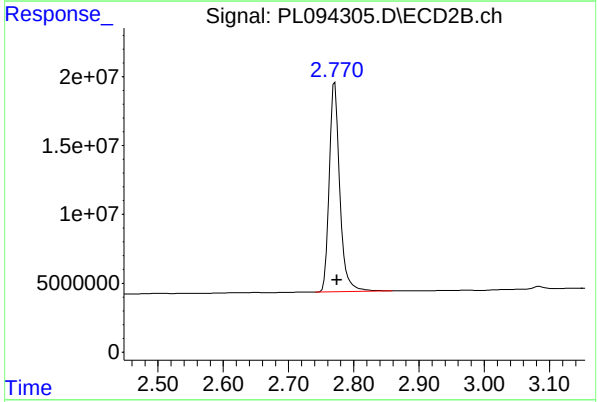
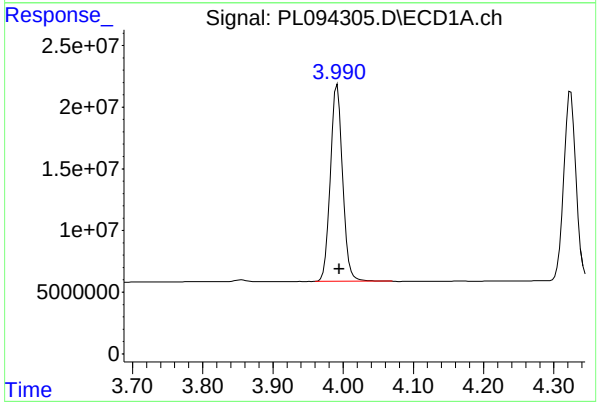


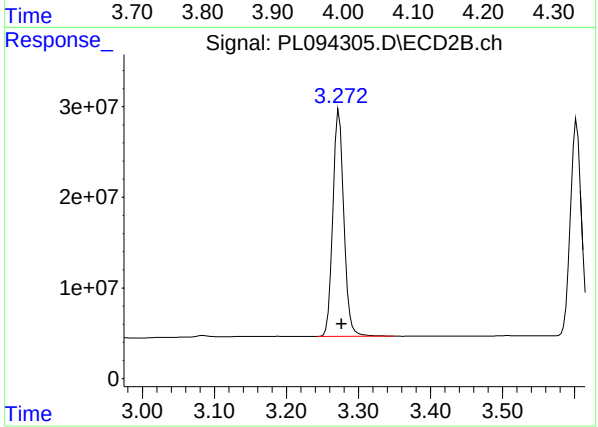
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 170886950
Conc: 52.35 ng/ml



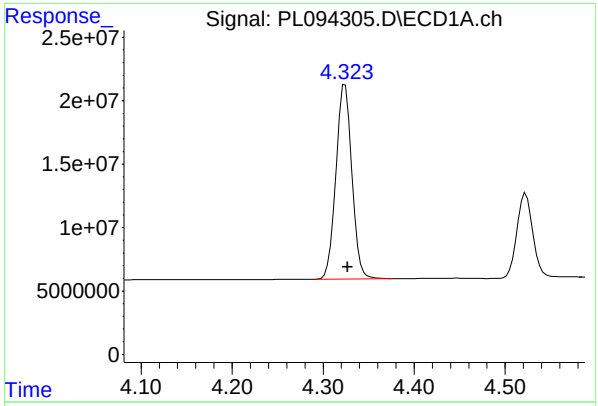
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.003 min
Response: 192922290
Conc: 50.32 ng/ml



#2 alpha-BHC

R.T.: 3.273 min
Delta R.T.: -0.004 min
Response: 262281697
Conc: 53.65 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 186915862
Conc: 50.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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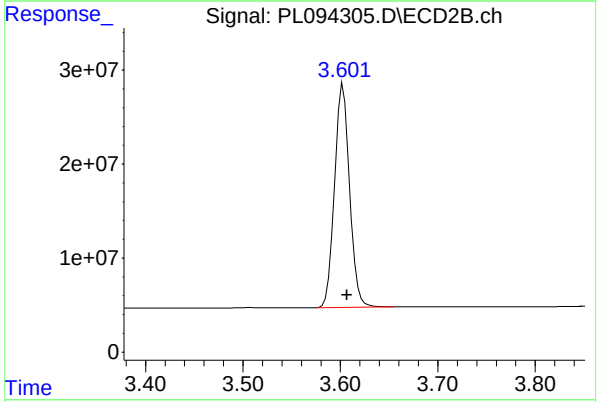
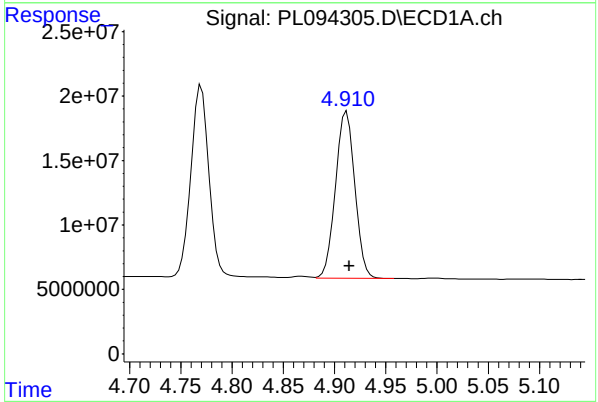


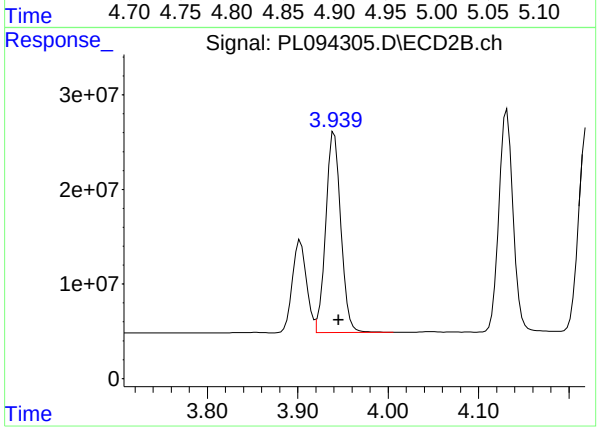
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.004 min
Response: 254610482
Conc: 53.70 ng/ml



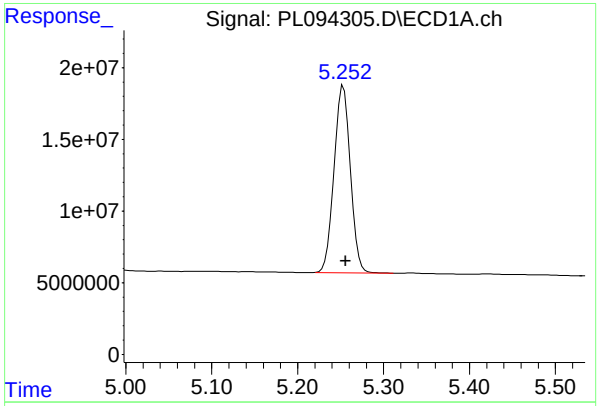
#4 Heptachlor

R.T.: 4.910 min
Delta R.T.: -0.004 min
Response: 169181731
Conc: 51.62 ng/ml m



#4 Heptachlor

R.T.: 3.941 min
Delta R.T.: -0.005 min
Response: 245366897
Conc: 52.71 ng/ml



#5 Aldrin

R.T.: 5.253 min
Delta R.T.: -0.002 min
Response: 172023050
Conc: 52.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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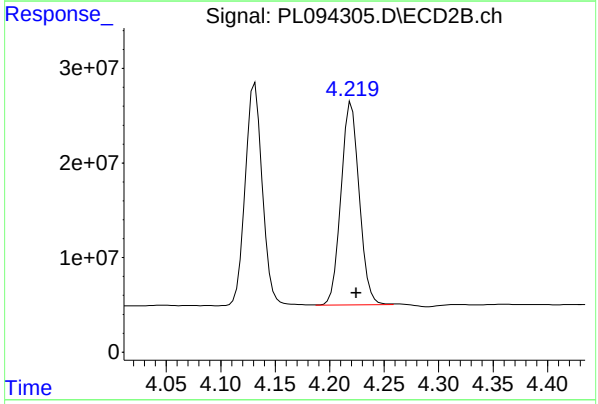
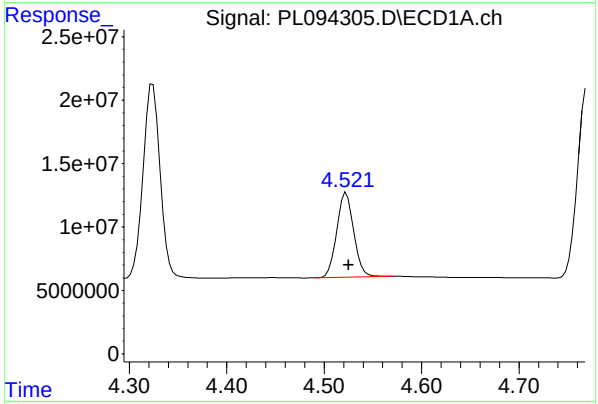


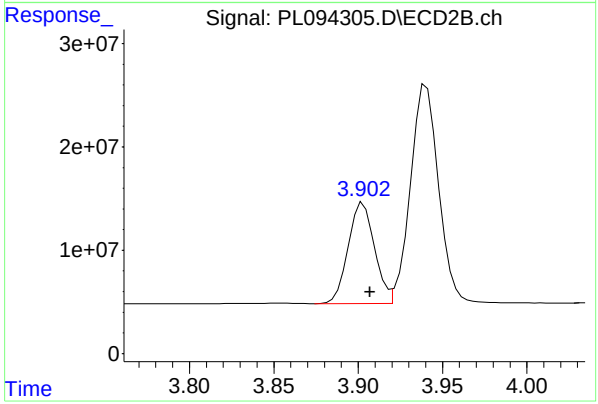
#5 Aldrin

R.T.: 4.220 min
Delta R.T.: -0.005 min
Response: 248728279
Conc: 54.52 ng/ml



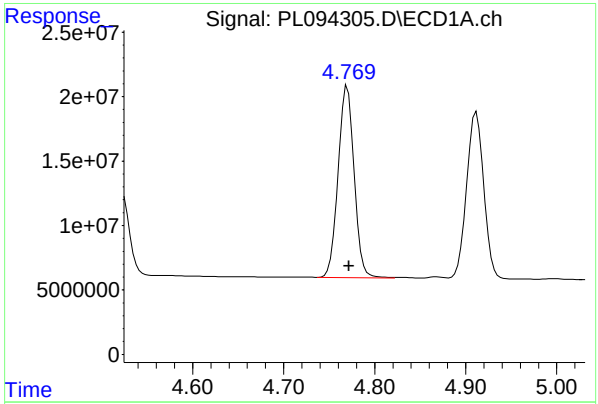
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 81109720
Conc: 50.46 ng/ml



#6 beta-BHC

R.T.: 3.903 min
Delta R.T.: -0.004 min
Response: 106142161
Conc: 53.14 ng/ml



#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: -0.002 min
Response: 182120665
Conc: 51.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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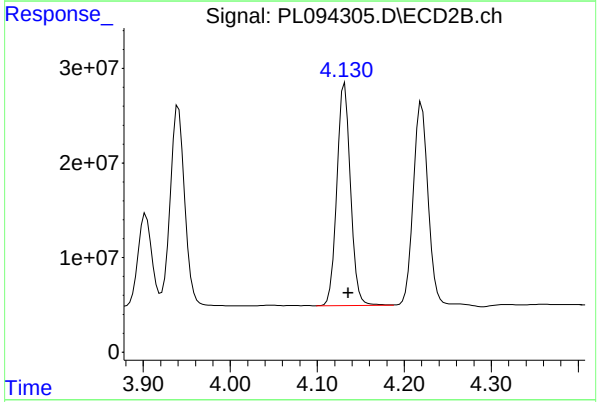
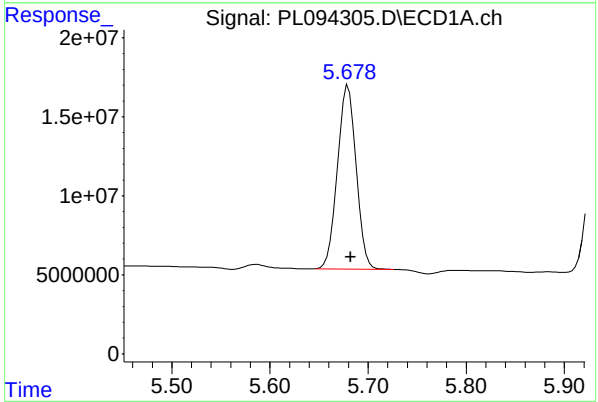


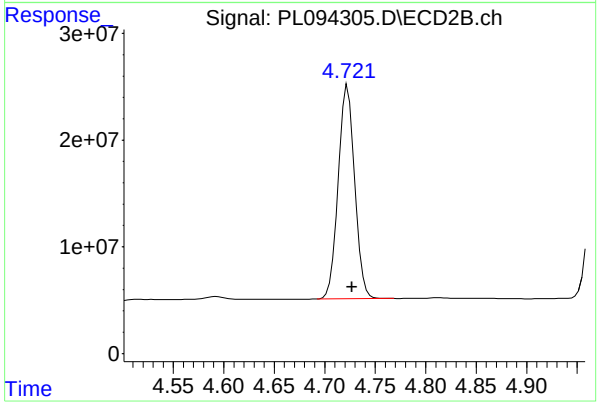
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.004 min
Response: 256120841
Conc: 53.91 ng/ml



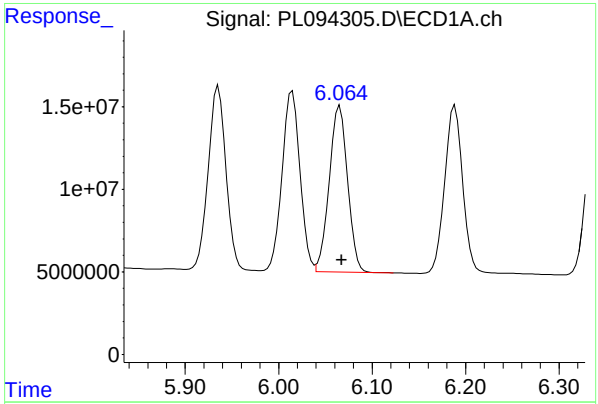
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.003 min
Response: 154264443
Conc: 51.87 ng/ml



#8 Heptachlor epoxide

R.T.: 4.723 min
Delta R.T.: -0.004 min
Response: 227424941
Conc: 54.40 ng/ml



#9 Endosulfan I

R.T.: 6.065 min
Delta R.T.: -0.002 min
Response: 136927261
Conc: 51.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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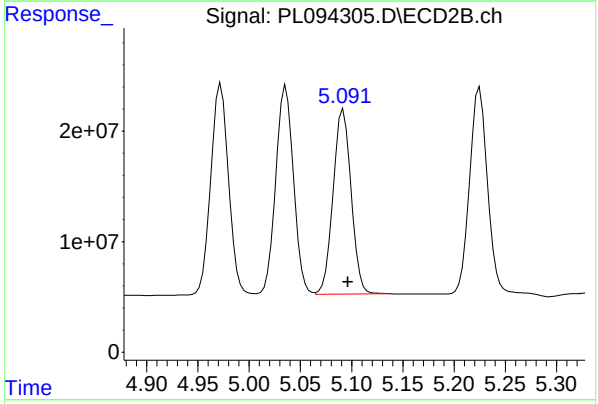
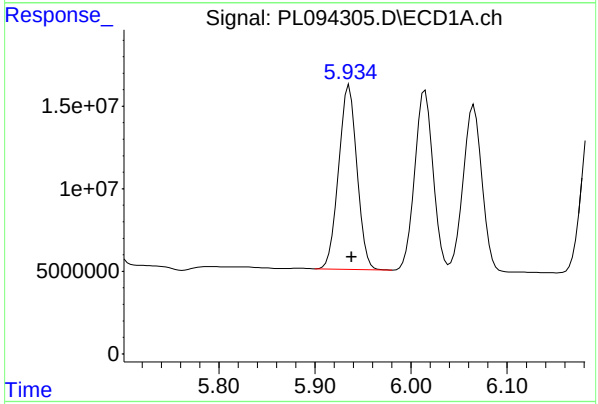


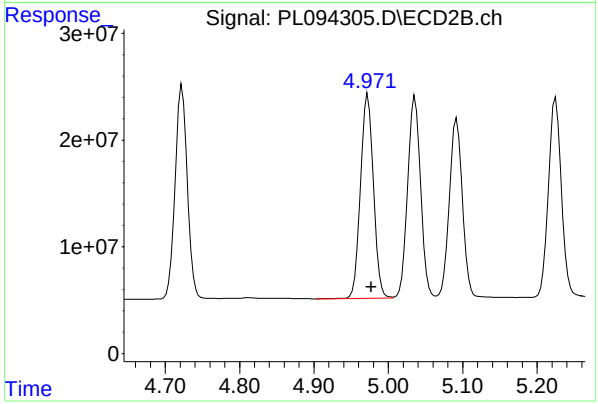
#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: -0.004 min
Response: 204594889
Conc: 52.77 ng/ml



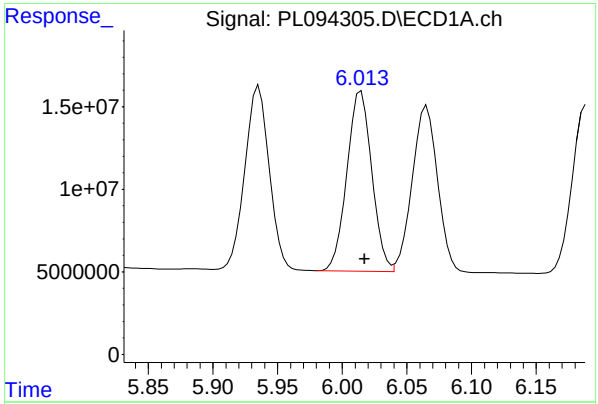
#10 gamma-Chlordane

R.T.: 5.936 min
Delta R.T.: -0.003 min
Response: 146677848
Conc: 52.62 ng/ml



#10 gamma-Chlordane

R.T.: 4.972 min
Delta R.T.: -0.005 min
Response: 231476706
Conc: 54.62 ng/ml



#11 alpha-Chlordane

R.T.: 6.015 min
Delta R.T.: -0.003 min
Response: 145691930
Conc: 52.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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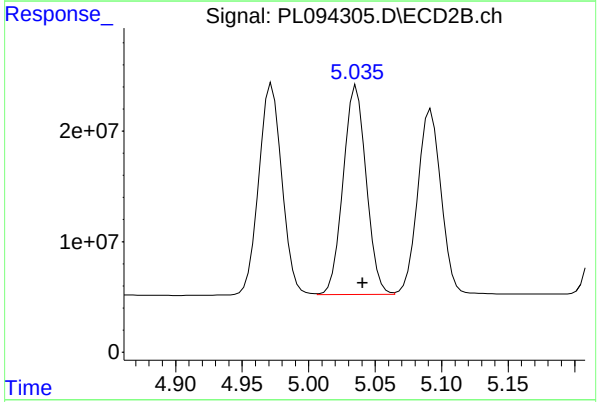
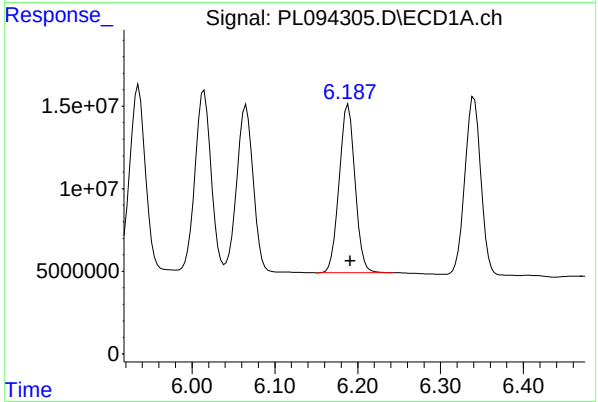


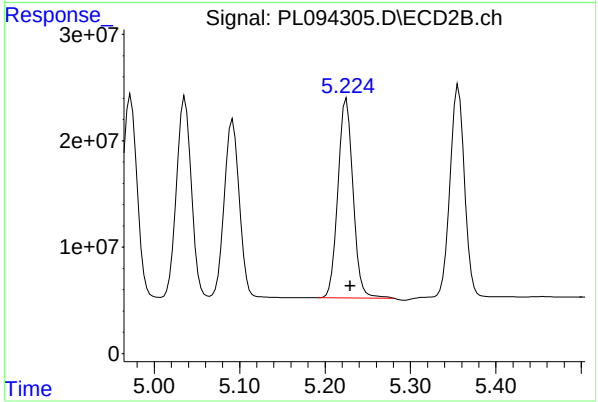
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: -0.005 min
Response: 228726134
Conc: 54.63 ng/ml



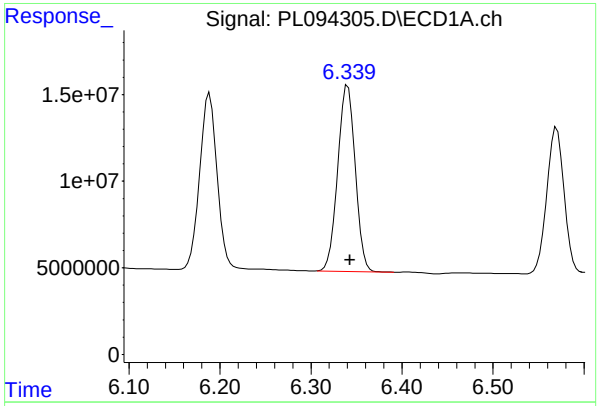
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.003 min
Response: 135429399
Conc: 55.63 ng/ml



#12 4,4'-DDE

R.T.: 5.225 min
Delta R.T.: -0.004 min
Response: 229472447
Conc: 57.23 ng/ml



#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: -0.002 min
Response: 143919195
Conc: 51.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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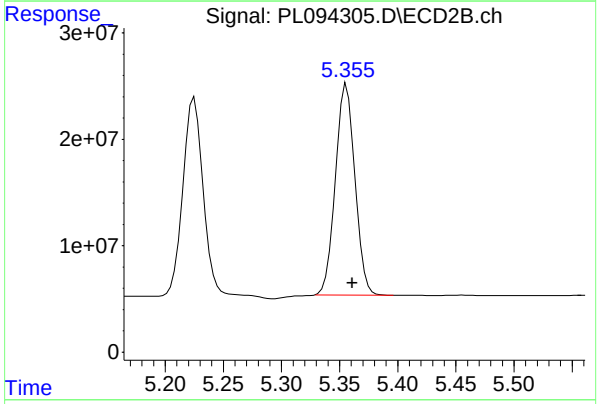
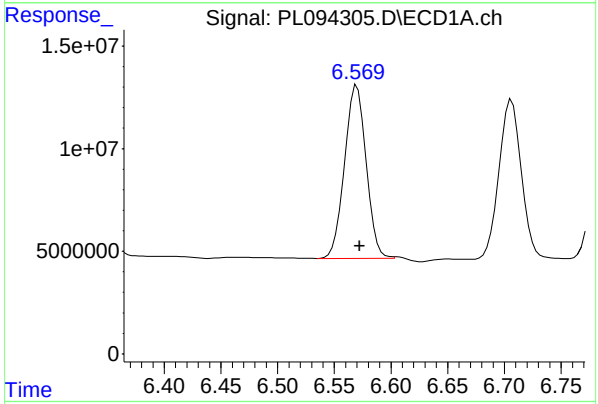


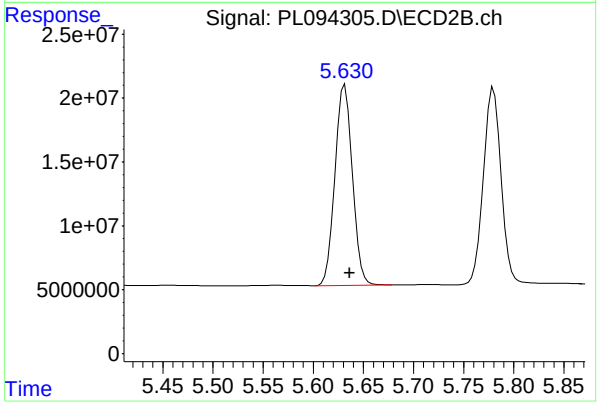
#13 Dieldrin

R.T.: 5.356 min
Delta R.T.: -0.005 min
Response: 232007914
Conc: 54.01 ng/ml



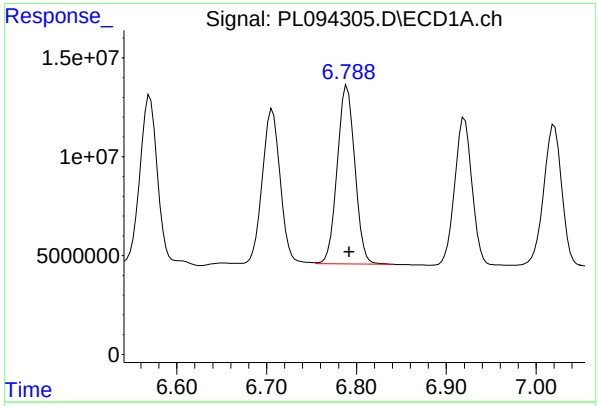
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.004 min
Response: 112129924
Conc: 47.82 ng/ml m



#14 Endrin

R.T.: 5.630 min
Delta R.T.: -0.006 min
Response: 189834748
Conc: 51.41 ng/ml m



#15 Endosulfan II

R.T.: 6.790 min
Delta R.T.: -0.003 min
Response: 123002178
Conc: 51.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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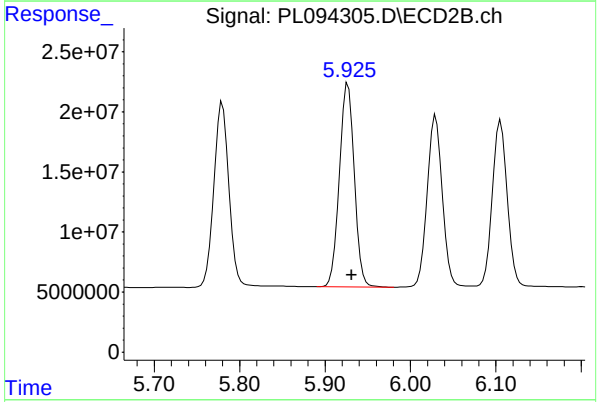
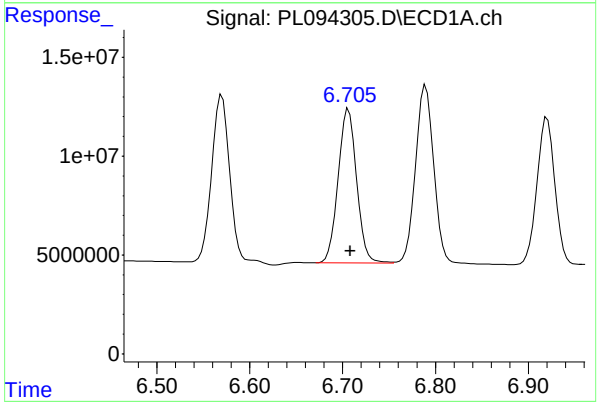


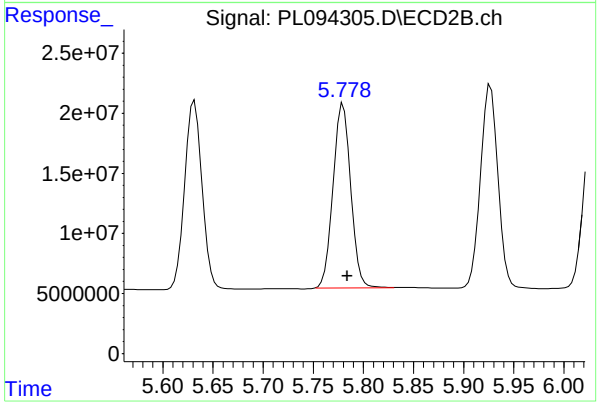
#15 Endosulfan II

R.T.: 5.925 min
Delta R.T.: -0.006 min
Response: 205469822
Conc: 55.47 ng/ml m



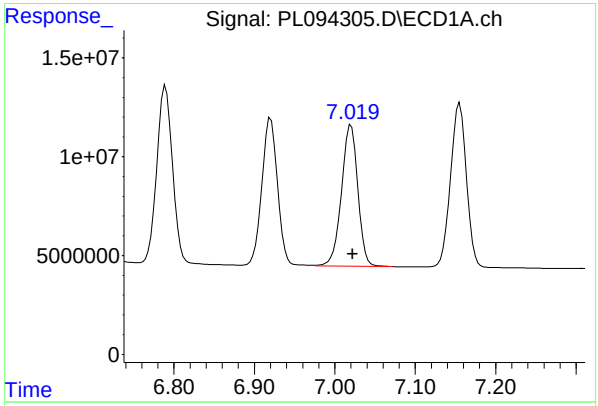
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.002 min
Response: 108228670
Conc: 56.95 ng/ml



#16 4,4'-DDD

R.T.: 5.780 min
Delta R.T.: -0.004 min
Response: 187688122
Conc: 59.46 ng/ml



#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.002 min
Response: 100782100
Conc: 51.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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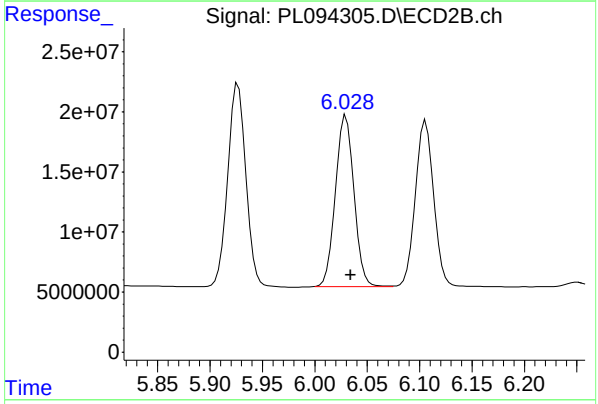
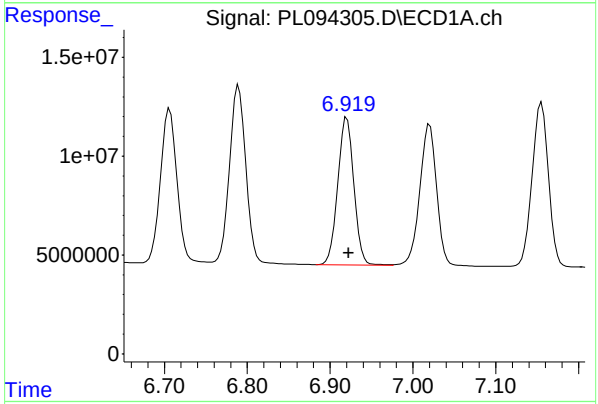


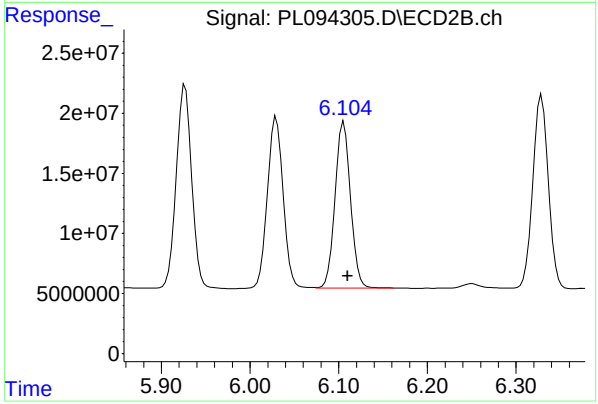
#17 4,4'-DDT

R.T.: 6.030 min
Delta R.T.: -0.005 min
Response: 175213542
Conc: 53.84 ng/ml



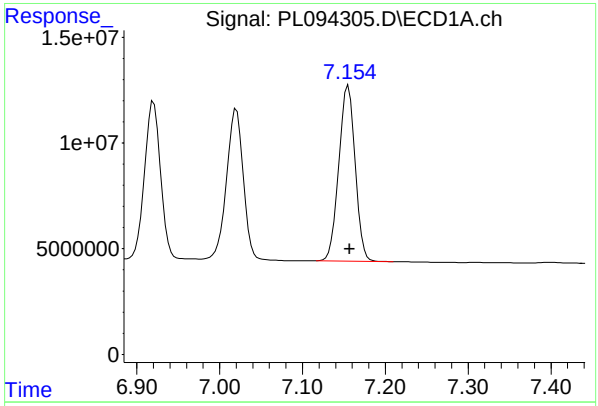
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: -0.002 min
Response: 100669583
Conc: 51.78 ng/ml



#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: -0.004 min
Response: 167100909
Conc: 54.88 ng/ml



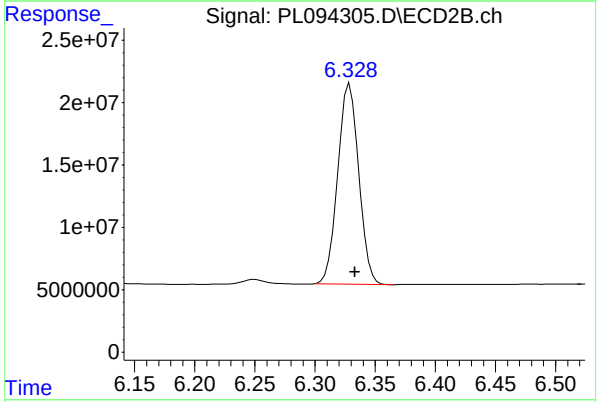
#19 Endosulfan Sulfate

R.T.: 7.155 min
Delta R.T.: -0.002 min
Response: 114056333
Conc: 50.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

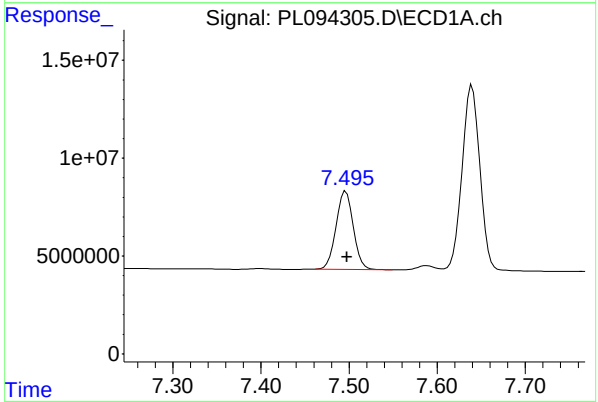
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



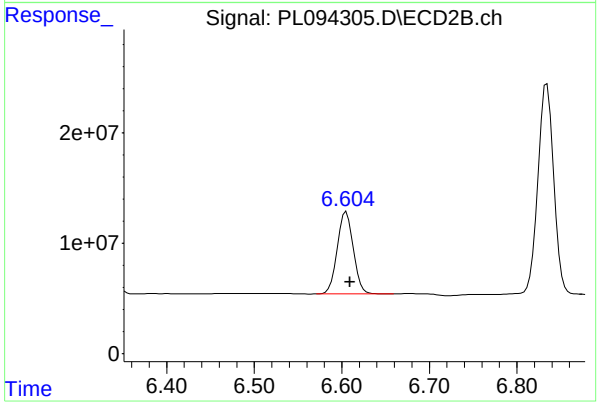
#19 Endosulfan Sulfate

R.T.: 6.329 min
Delta R.T.: -0.005 min
Response: 195533966
Conc: 54.83 ng/ml



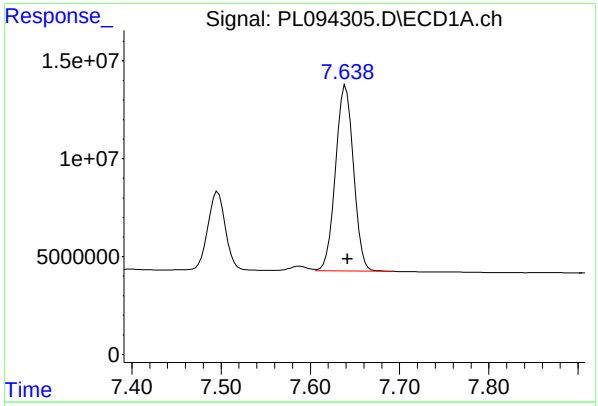
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: -0.002 min
Response: 54245211
Conc: 51.99 ng/ml



#20 Methoxychlor

R.T.: 6.605 min
Delta R.T.: -0.004 min
Response: 95245578
Conc: 53.27 ng/ml



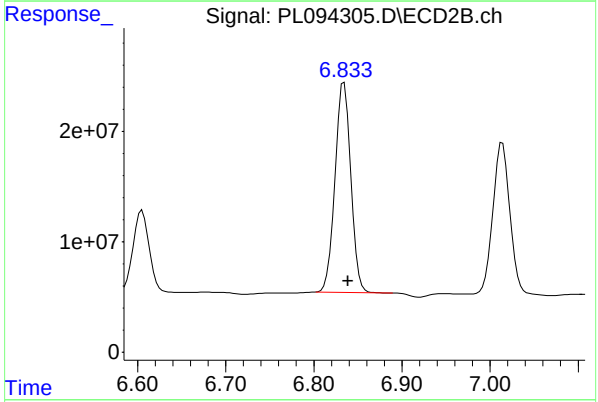
#21 Endrin ketone

R.T.: 7.640 min
Delta R.T.: -0.002 min
Response: 133048490
Conc: 52.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

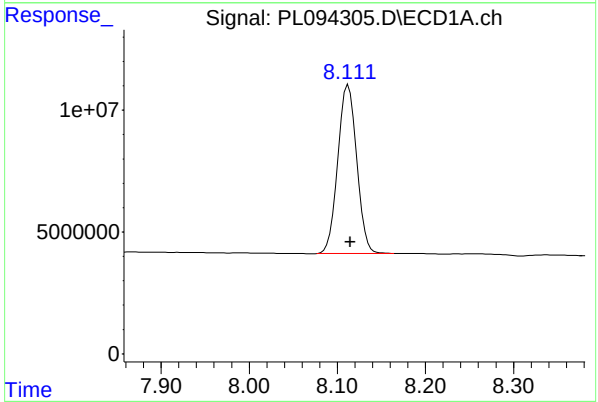
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



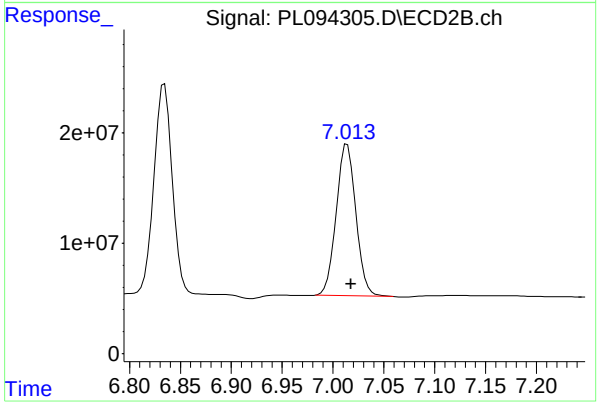
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: -0.005 min
Response: 237526093
Conc: 56.62 ng/ml



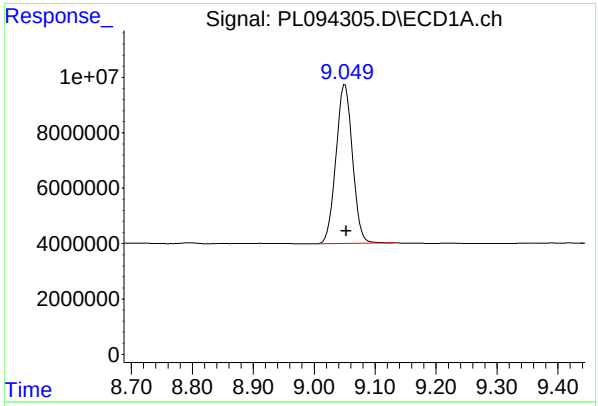
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.002 min
Response: 103496157
Conc: 49.70 ng/ml



#22 Mirex

R.T.: 7.014 min
Delta R.T.: -0.004 min
Response: 184386496
Conc: 54.52 ng/ml



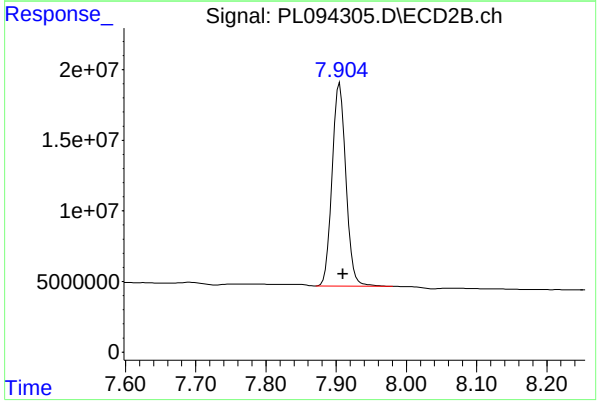
#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.002 min
Response: 108369015
Conc: 51.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 195996226
Conc: 55.93 ng/ml

Alliance TECHNICAL GROUP
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.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/20/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 18:12 **Initial Calibration Time(s):** 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.05	9.05	8.95	9.15	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	4.00	3.90	4.10	0.01
beta-BHC	4.52	4.53	4.43	4.63	0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.91	4.91	4.81	5.01	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	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	7.16	7.06	7.26	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

Alliance TECHNICAL GROUP
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.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Continuing Calib Date: 02/20/2025 **Initial Calibration Date(s):** 01/21/2025 01/21/2025

Continuing Calib Time: 18:12 **Initial Calibration Time(s):** 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.27	3.28	3.18	3.38	0.01
beta-BHC	3.90	3.91	3.81	4.01	0.01
delta-BHC	4.13	4.14	4.04	4.24	0.01
gamma-BHC (Lindane)	3.60	3.61	3.51	3.71	0.01
Heptachlor	3.94	3.95	3.85	4.05	0.01
Aldrin	4.22	4.23	4.13	4.33	0.01
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endosulfan I	5.09	5.10	5.00	5.20	0.01
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.23	5.23	5.13	5.33	0.00
Endrin	5.63	5.64	5.54	5.74	0.01
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.03	6.03	5.93	6.13	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.97	4.98	4.88	5.08	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL06 **Date Analyzed:** 02/20/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094313.D **Time Analyzed:** 18:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.708	6.608	6.808	59.160	50.000	18.3
4,4'-DDE	6.191	6.091	6.291	57.860	50.000	15.7
4,4'-DDT	7.022	6.922	7.122	51.170	50.000	2.3
Aldrin	5.255	5.156	5.356	54.690	50.000	9.4
alpha-BHC	3.993	3.895	4.095	52.150	50.000	4.3
alpha-Chlordane	6.017	5.917	6.117	54.300	50.000	8.6
beta-BHC	4.524	4.425	4.625	52.150	50.000	4.3
Decachlorobiphenyl	9.053	8.953	9.153	53.390	50.000	6.8
delta-BHC	4.771	4.672	4.872	54.020	50.000	8.0
Dieldrin	6.343	6.243	6.443	53.700	50.000	7.4
Endosulfan I	6.067	5.967	6.167	53.510	50.000	7.0
Endosulfan II	6.793	6.692	6.892	52.760	50.000	5.5
Endosulfan sulfate	7.157	7.057	7.257	51.850	50.000	3.7
Endrin	6.571	6.472	6.672	48.680	50.000	-2.6
Endrin aldehyde	6.923	6.823	7.023	53.590	50.000	7.2
Endrin ketone	7.642	7.542	7.742	54.510	50.000	9.0
gamma-BHC (Lindane)	4.326	4.227	4.427	52.650	50.000	5.3
gamma-Chlordane	5.938	5.838	6.038	54.610	50.000	9.2
Heptachlor	4.913	4.814	5.014	52.650	50.000	5.3
Heptachlor epoxide	5.682	5.582	5.782	53.790	50.000	7.6
Methoxychlor	7.499	7.398	7.598	52.170	50.000	4.3
Tetrachloro-m-xylene	3.537	3.439	3.639	50.940	50.000	1.9

Alliance TECHNICAL GROUP

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CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL06 **Date Analyzed:** 02/20/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094313.D **Time Analyzed:** 18:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.781	5.684	5.884	63.680	50.000	27.4
4,4'-DDE	5.226	5.130	5.330	59.520	50.000	19.0
4,4'-DDT	6.031	5.934	6.134	54.740	50.000	9.5
Aldrin	4.221	4.125	4.325	57.160	50.000	14.3
alpha-BHC	3.274	3.177	3.377	56.050	50.000	12.1
alpha-Chlordane	5.037	4.940	5.140	57.140	50.000	14.3
beta-BHC	3.904	3.807	4.007	55.210	50.000	10.4
Decachlorobiphenyl	7.906	7.810	8.010	59.320	50.000	18.6
delta-BHC	4.132	4.036	4.236	56.230	50.000	12.5
Dieldrin	5.358	5.261	5.461	56.820	50.000	13.6
Endosulfan I	5.093	4.996	5.196	55.150	50.000	10.3
Endosulfan II	5.927	5.831	6.031	58.000	50.000	16.0
Endosulfan sulfate	6.330	6.233	6.433	57.410	50.000	14.8
Endrin	5.633	5.536	5.736	52.540	50.000	5.1
Endrin aldehyde	6.108	6.010	6.210	57.490	50.000	15.0
Endrin ketone	6.835	6.739	6.939	60.330	50.000	20.7
gamma-BHC (Lindane)	3.604	3.507	3.707	56.110	50.000	12.2
gamma-Chlordane	4.974	4.877	5.077	57.360	50.000	14.7
Heptachlor	3.942	3.845	4.045	54.830	50.000	9.7
Heptachlor epoxide	4.723	4.627	4.827	56.880	50.000	13.8
Methoxychlor	6.606	6.509	6.709	54.190	50.000	8.4
Tetrachloro-m-xylene	2.772	2.674	2.874	54.590	50.000	9.2

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094313.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 18:12
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:40:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.537	2.772	137.2E6	178.2E6	50.943	54.589
28)	SA Decachlor...	9.053	7.906	111.7E6	207.9E6	53.390	59.323
	Target Compounds						
2)	A alpha-BHC	3.993	3.274	199.9E6	274.0E6	52.147	56.049
3)	MA gamma-BHC...	4.326	3.604	193.9E6	266.0E6	52.653	56.112
4)	MA Heptachlor	4.913	3.942	172.6E6	255.2E6	52.652	54.826
5)	MB Aldrin	5.255	4.221	179.0E6	260.7E6	54.695	57.156
6)	B beta-BHC	4.524	3.904	83821111	110.3E6	52.149	55.212
7)	B delta-BHC	4.771	4.132	189.3E6	267.2E6	54.017	56.229
8)	B Heptachlo...	5.682	4.723	159.9E6	237.8E6	53.785	56.883
9)	A Endosulfan I	6.067	5.093	141.4E6	213.8E6	53.513	55.146
10)	B gamma-Chl...	5.938	4.974	152.2E6	243.1E6	54.611	57.362
11)	B alpha-Chl...	6.017	5.037	151.4E6	239.2E6	54.305	57.143
12)	B 4,4'-DDE	6.191	5.226	140.9E6	238.7E6	57.864	59.524
13)	MA Dieldrin	6.343	5.358	149.1E6	244.1E6	53.702	56.821
14)	MA Endrin	6.571	5.633	114.2E6	194.0E6	48.682m	52.536
15)	B Endosulfa...	6.793	5.927	127.1E6	214.8E6	52.765	58.000m
16)	A 4,4'-DDD	6.708	5.781	112.4E6	201.0E6	59.164	63.678
17)	MA 4,4'-DDT	7.022	6.031	100.9E6	178.1E6	51.172	54.741
18)	B Endrin al...	6.923	6.108	104.2E6	175.0E6	53.587	57.491
19)	B Endosulfa...	7.157	6.330	117.4E6	204.7E6	51.848	57.407
20)	A Methoxychlor	7.499	6.606	54433928	96904993	52.170	54.193
21)	B Endrin ke...	7.642	6.835	137.5E6	253.1E6	54.509	60.325
22)	Mirex	8.115	7.015	107.3E6	193.9E6	51.523	57.333

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

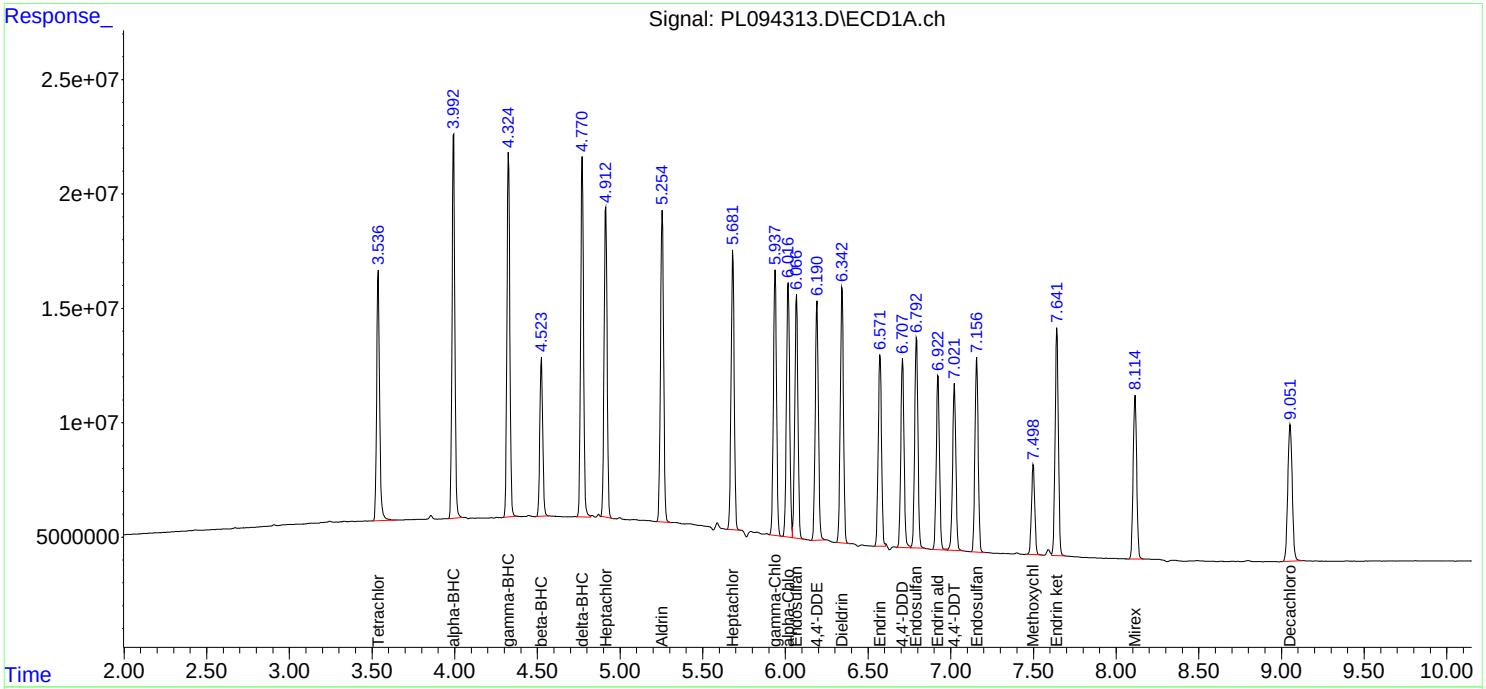
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094313.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 18:12
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

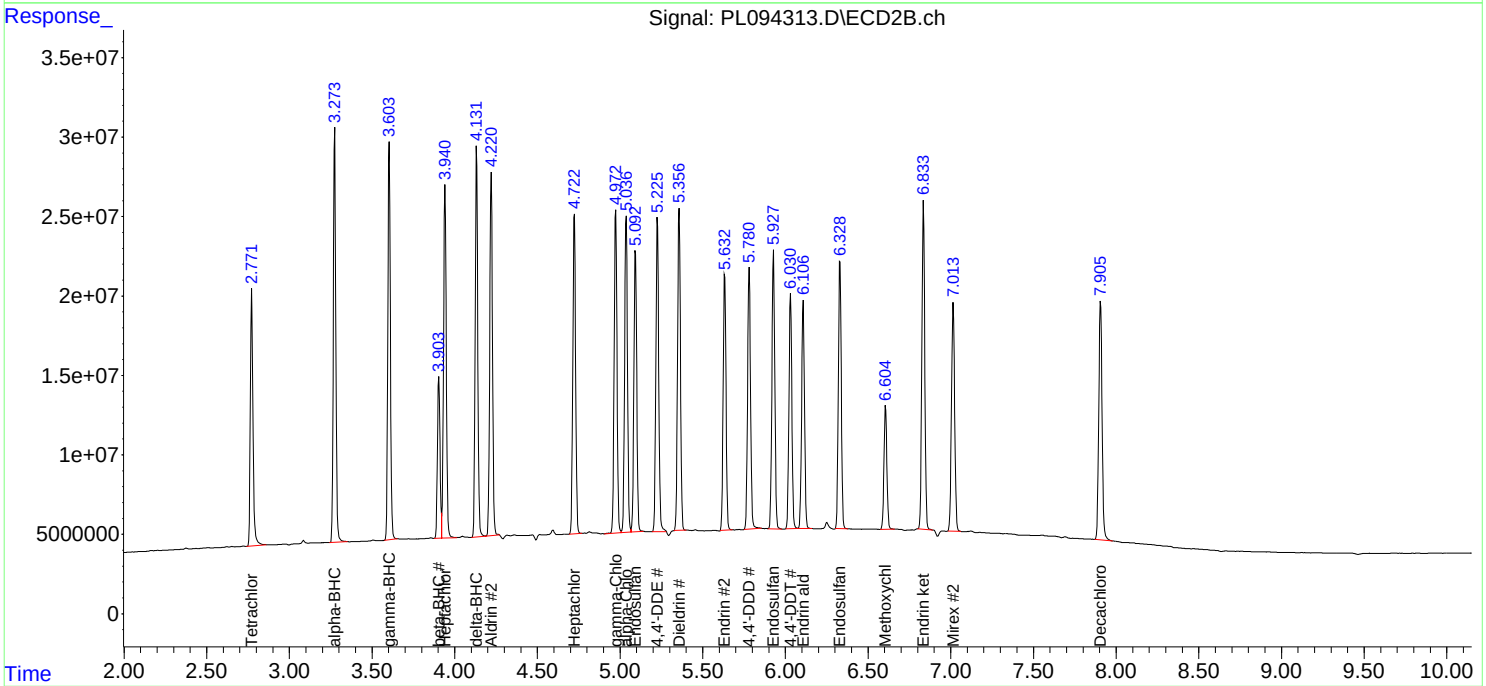
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

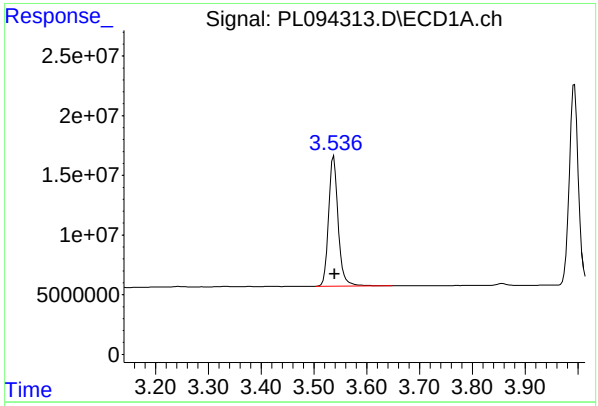
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:40:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







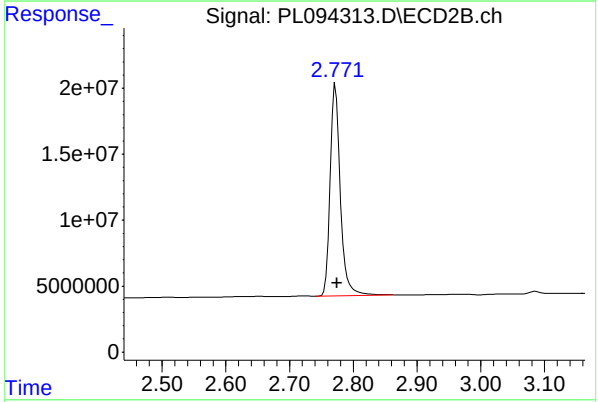
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 137177068
Conc: 50.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

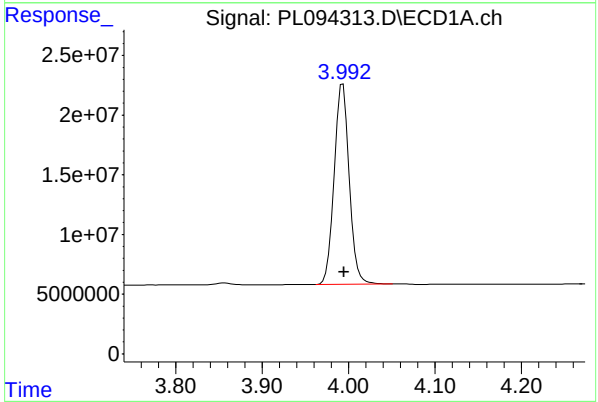
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



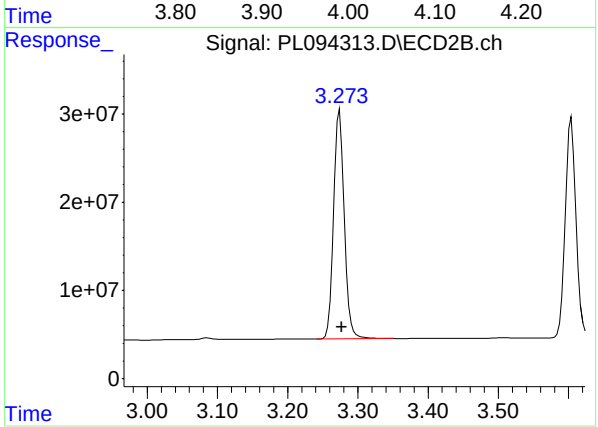
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.002 min
Response: 178187116
Conc: 54.59 ng/ml



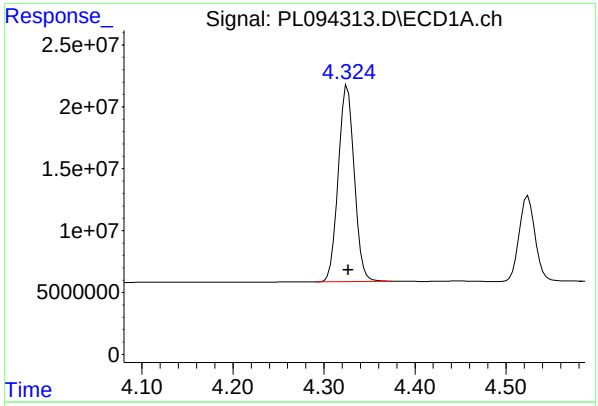
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 199923160
Conc: 52.15 ng/ml



#2 alpha-BHC

R.T.: 3.274 min
Delta R.T.: -0.003 min
Response: 274021265
Conc: 56.05 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: -0.001 min
Response: 193911198
Conc: 52.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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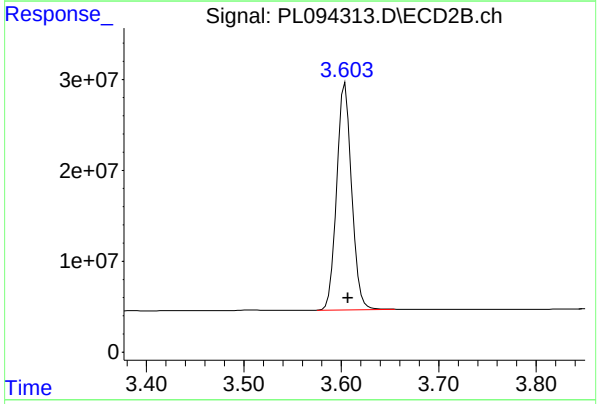
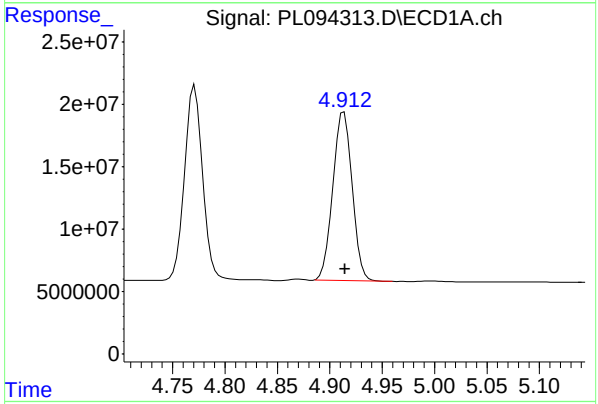


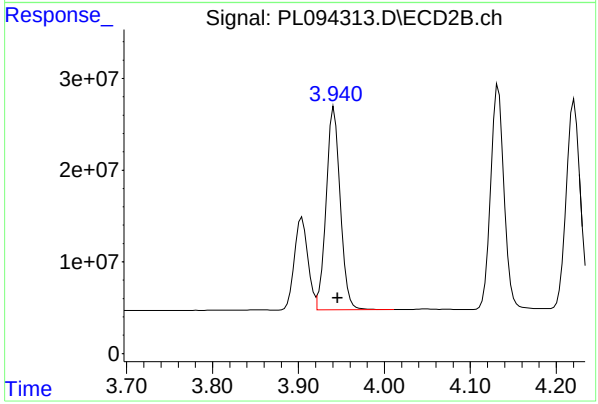
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: -0.003 min
Response: 266037635
Conc: 56.11 ng/ml



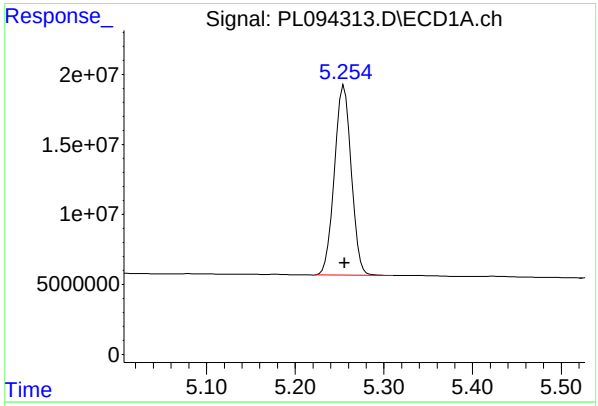
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: -0.001 min
Response: 172559330
Conc: 52.65 ng/ml



#4 Heptachlor

R.T.: 3.942 min
Delta R.T.: -0.004 min
Response: 255205314
Conc: 54.83 ng/ml



#5 Aldrin

R.T.: 5.255 min
Delta R.T.: 0.000 min
Response: 178958898
Conc: 54.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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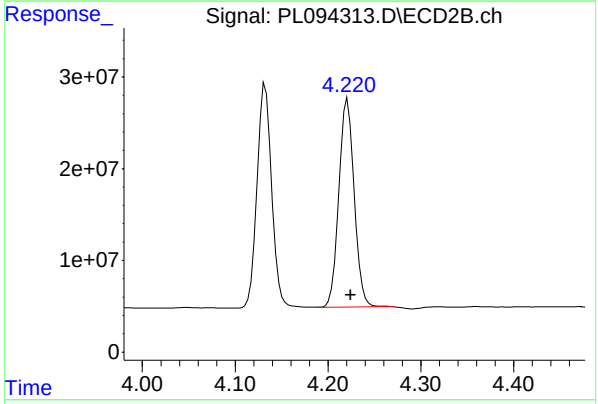
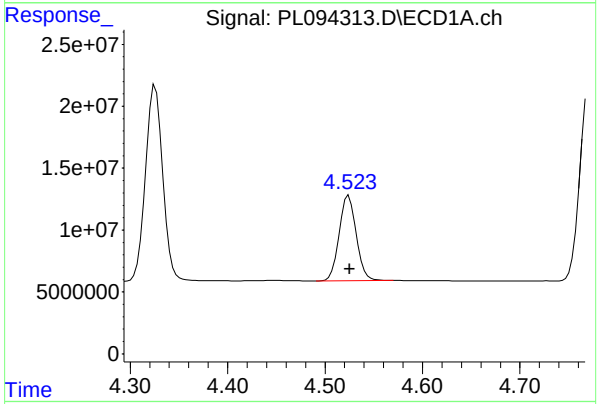


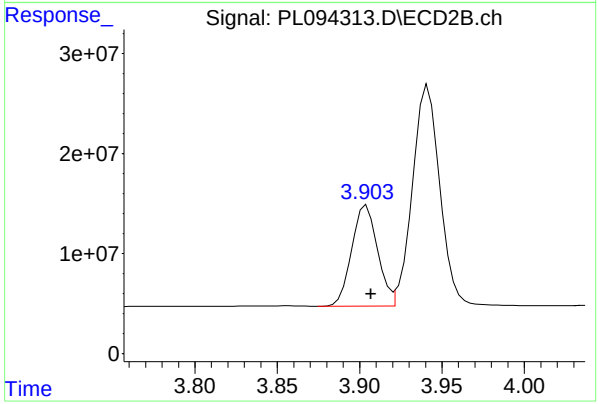
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: -0.003 min
Response: 260735586
Conc: 57.16 ng/ml



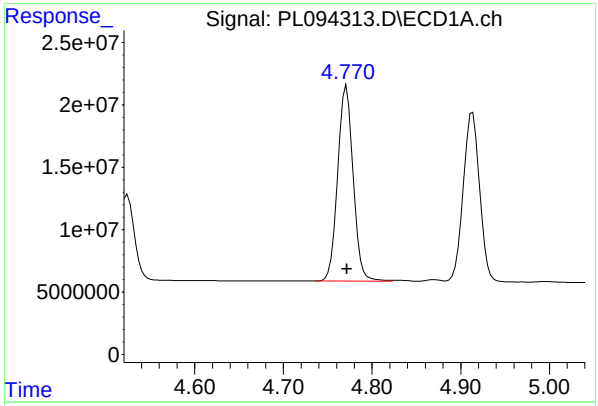
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 83821111
Conc: 52.15 ng/ml



#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 110282356
Conc: 55.21 ng/ml



#7 delta-BHC

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 189346380
Conc: 54.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
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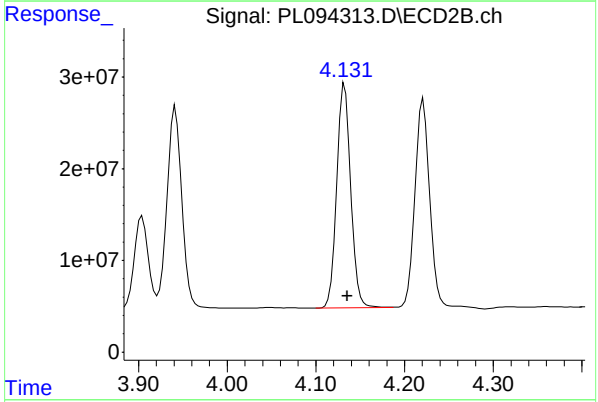
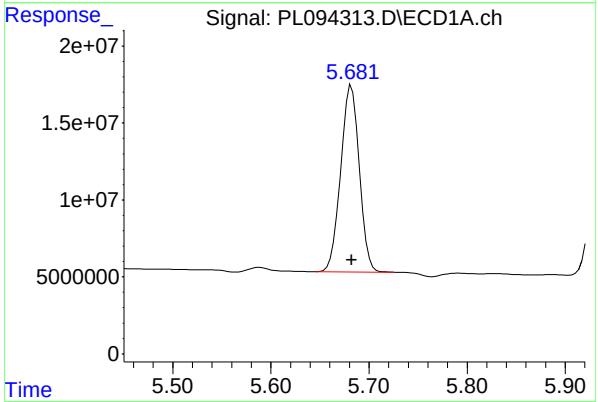


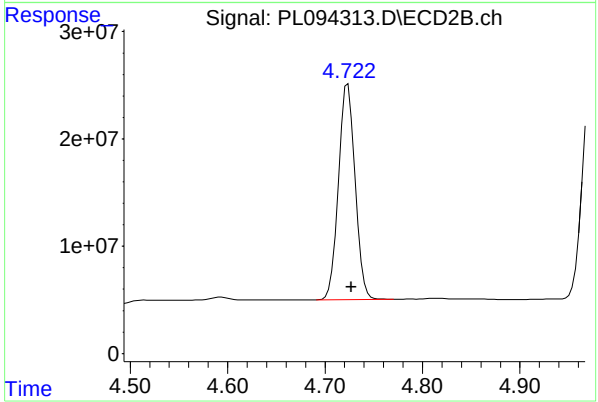
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.003 min
Response: 267157772
Conc: 56.23 ng/ml



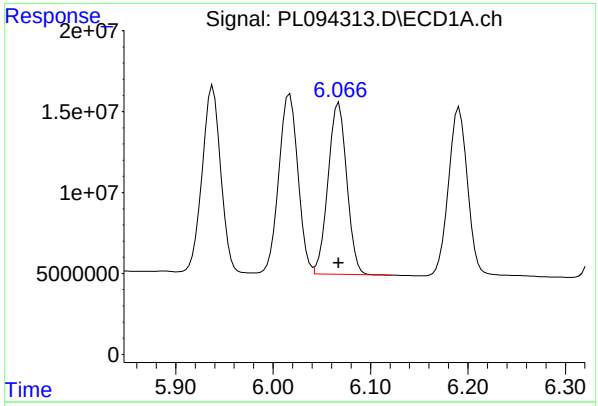
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 159948083
Conc: 53.79 ng/ml



#8 Heptachlor epoxide

R.T.: 4.723 min
Delta R.T.: -0.003 min
Response: 237786068
Conc: 56.88 ng/ml



#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 141427403
Conc: 53.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
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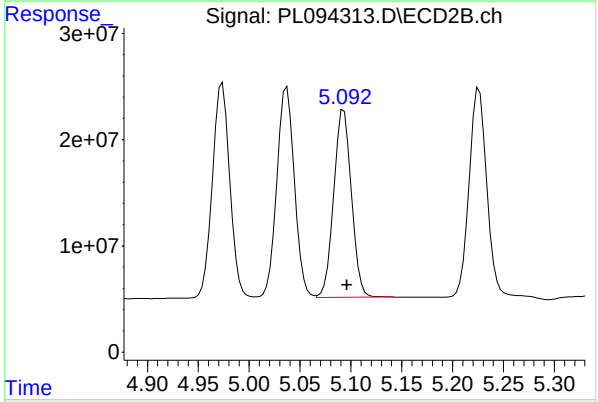
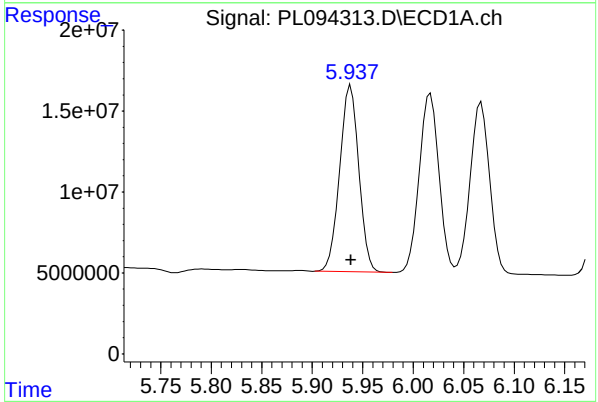


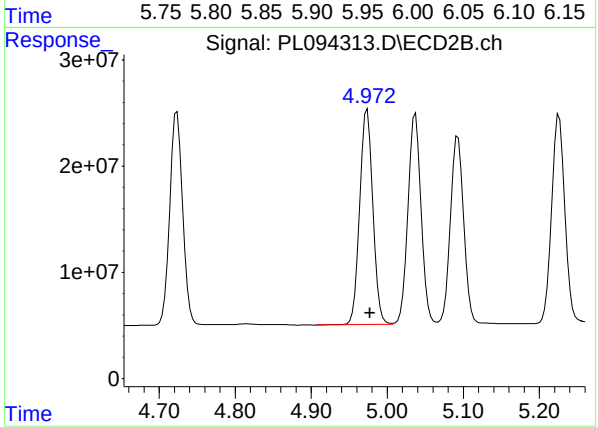
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: -0.003 min
Response: 213796705
Conc: 55.15 ng/ml



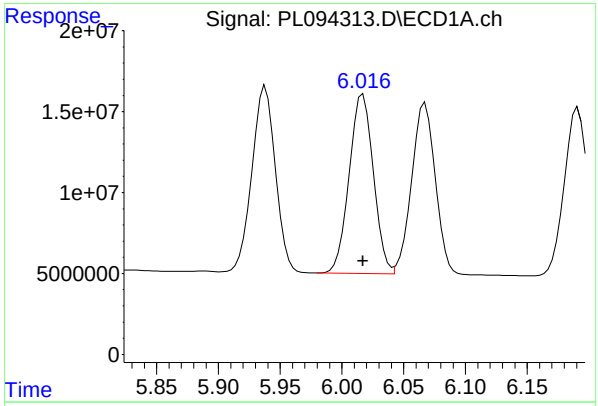
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 152221668
Conc: 54.61 ng/ml



#10 gamma-Chlordane

R.T.: 4.974 min
Delta R.T.: -0.003 min
Response: 243078689
Conc: 57.36 ng/ml



#11 alpha-Chlordane

R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 151423048
Conc: 54.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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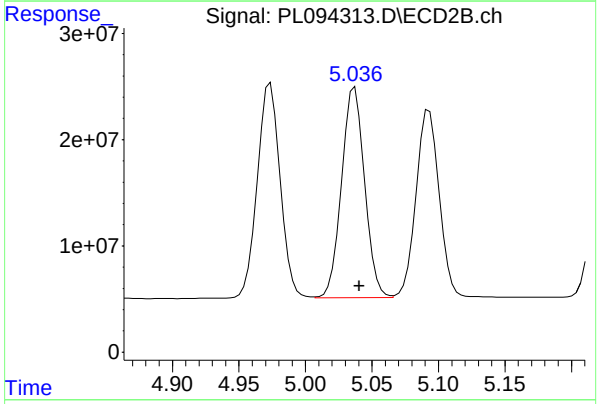
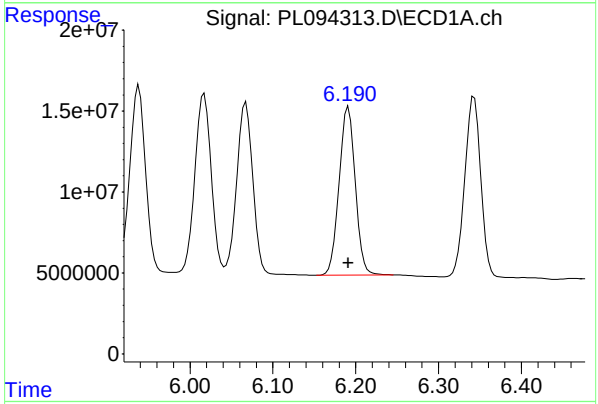


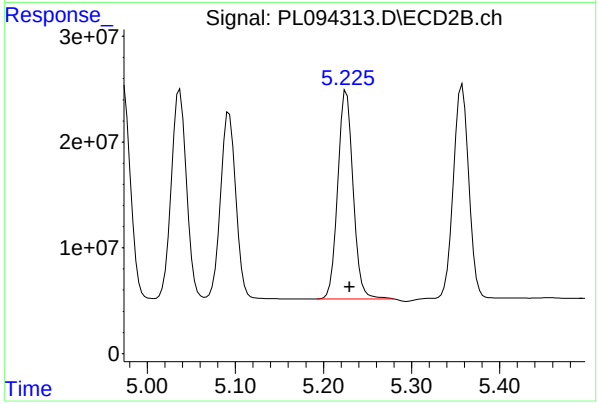
#11 alpha-Chlordane

R.T.: 5.037 min
Delta R.T.: -0.003 min
Response: 239233109
Conc: 57.14 ng/ml



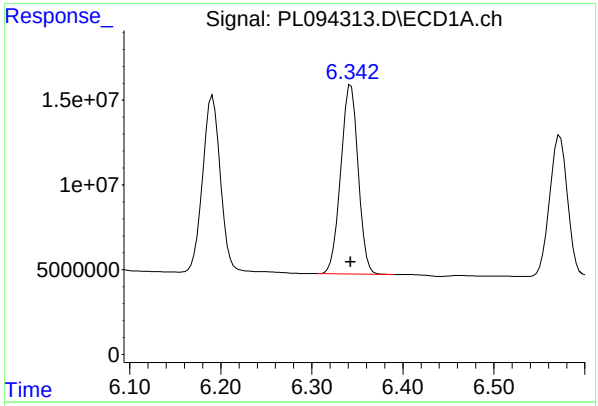
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 140874675
Conc: 57.86 ng/ml



#12 4,4'-DDE

R.T.: 5.226 min
Delta R.T.: -0.004 min
Response: 238658905
Conc: 59.52 ng/ml



#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 mi
Response: 149069403
Conc: 53.70 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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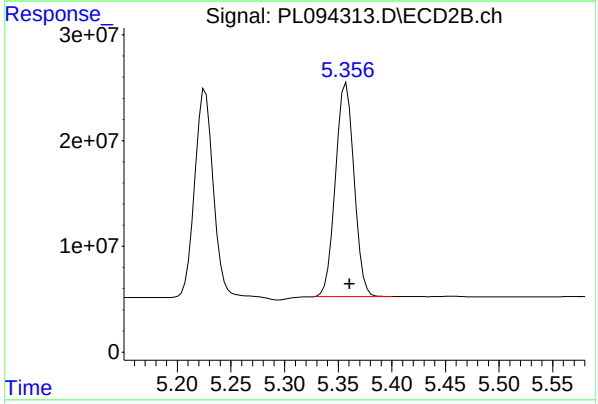
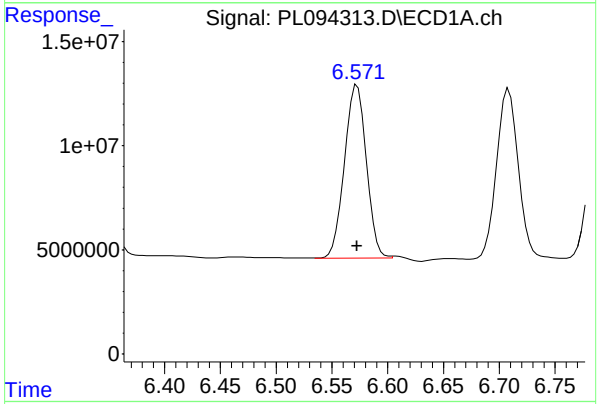


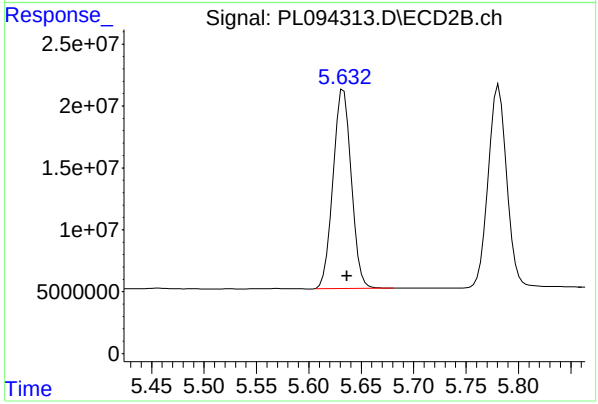
#13 Dieldrin

R.T.: 5.358 min
Delta R.T.: -0.003 min
Response: 244083068
Conc: 56.82 ng/ml



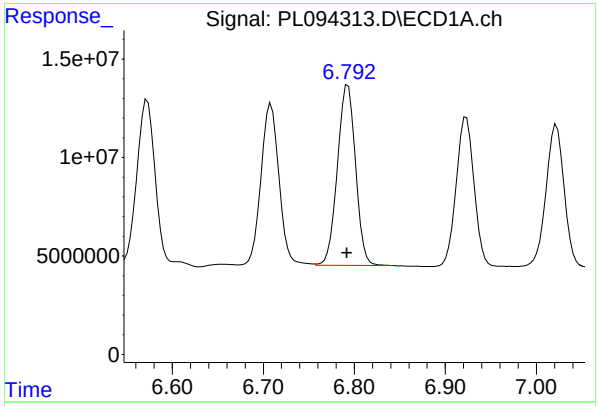
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.001 min
Response: 114151334
Conc: 48.68 ng/ml m



#14 Endrin

R.T.: 5.633 min
Delta R.T.: -0.003 min
Response: 193998033
Conc: 52.54 ng/ml



#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 127128851
Conc: 52.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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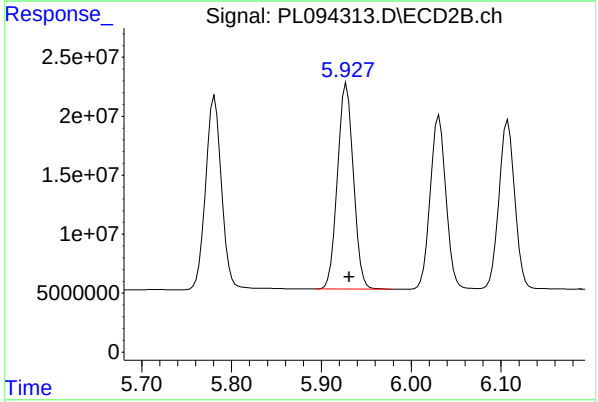
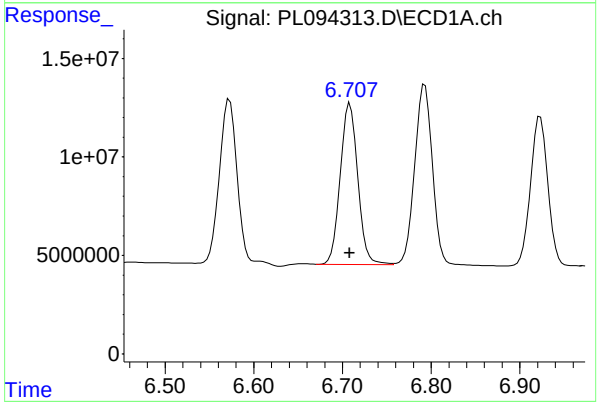


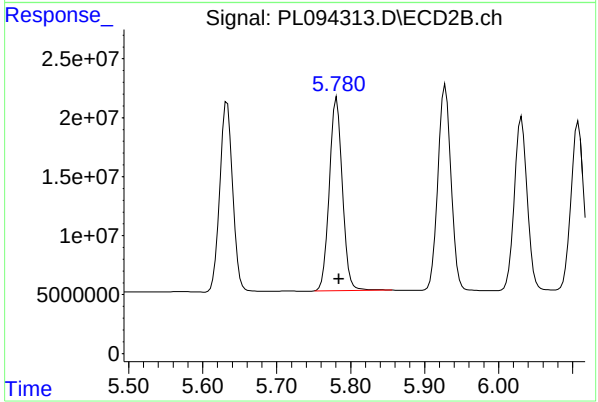
#15 Endosulfan II

R.T.: 5.927 min
Delta R.T.: -0.005 min
Response: 214820590
Conc: 58.00 ng/ml m



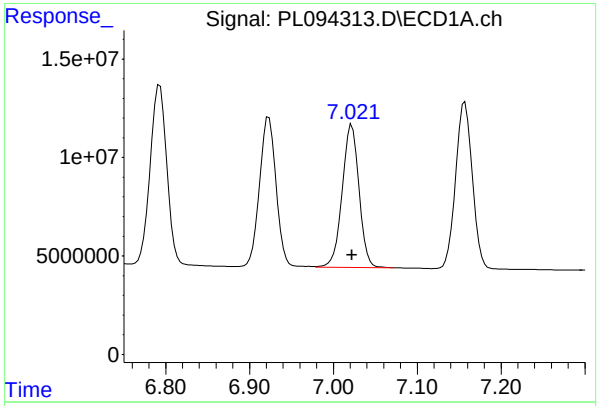
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.000 min
Response: 112445028
Conc: 59.16 ng/ml



#16 4,4'-DDD

R.T.: 5.781 min
Delta R.T.: -0.003 min
Response: 201002724
Conc: 63.68 ng/ml



#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 100913297
Conc: 51.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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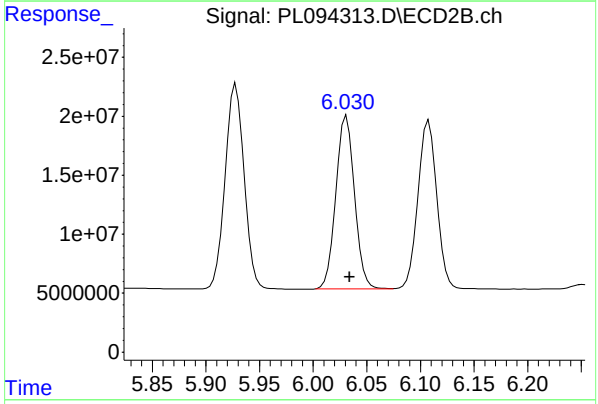
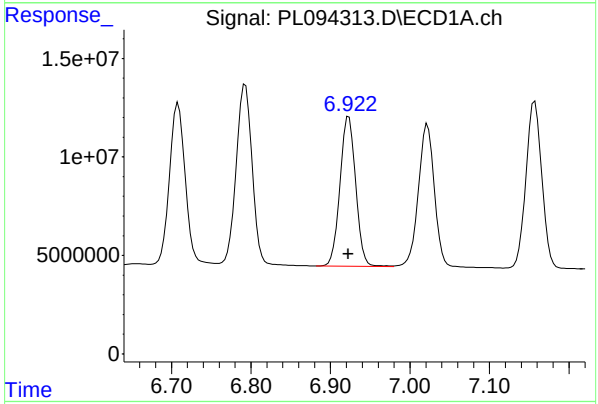


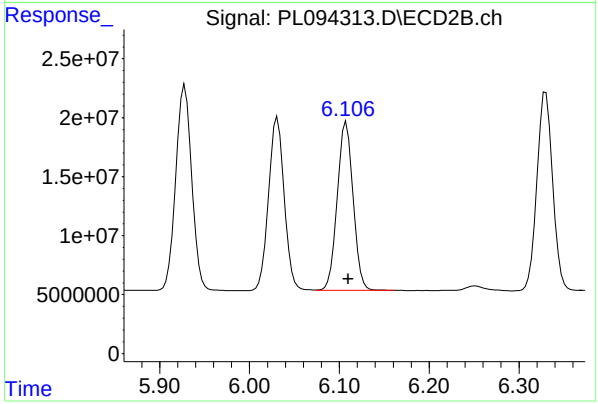
#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: -0.003 min
Response: 178130205
Conc: 54.74 ng/ml



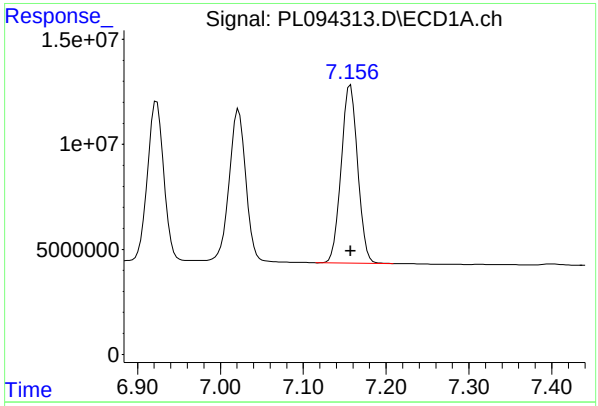
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 104175778
Conc: 53.59 ng/ml



#18 Endrin aldehyde

R.T.: 6.108 min
Delta R.T.: -0.002 min
Response: 175039649
Conc: 57.49 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 117369691
Conc: 51.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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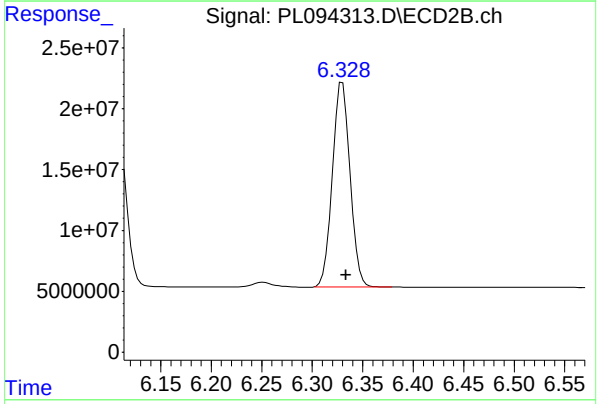
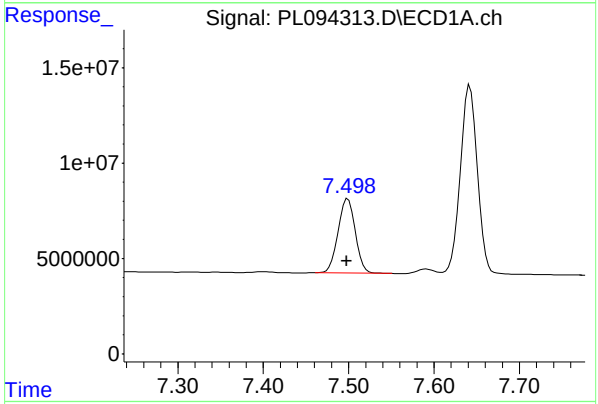


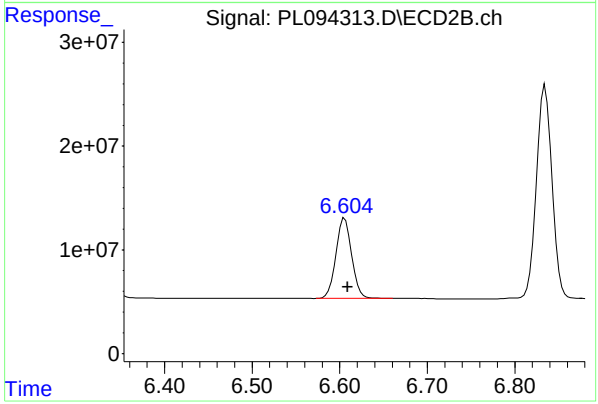
#19 Endosulfan Sulfate

R.T.: 6.330 min
Delta R.T.: -0.003 min
Response: 204716504
Conc: 57.41 ng/ml



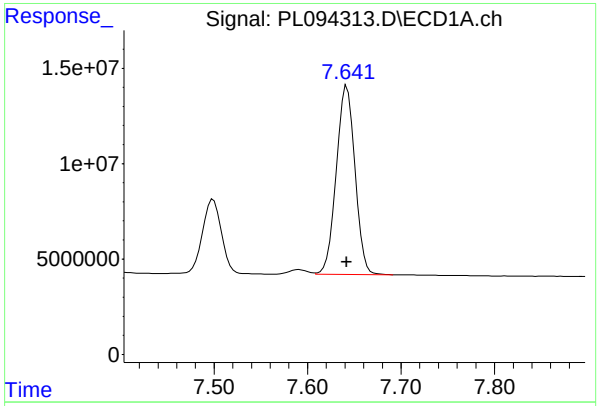
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.001 min
Response: 54433928
Conc: 52.17 ng/ml



#20 Methoxychlor

R.T.: 6.606 min
Delta R.T.: -0.004 min
Response: 96904993
Conc: 54.19 ng/ml



#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 137506346
Conc: 54.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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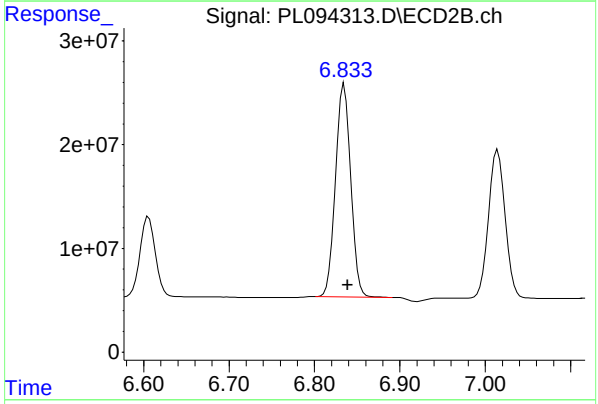
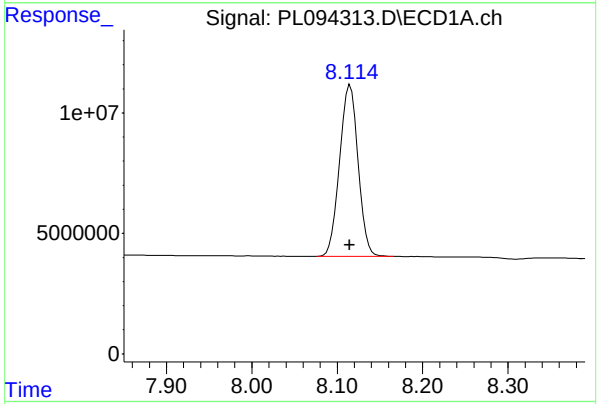


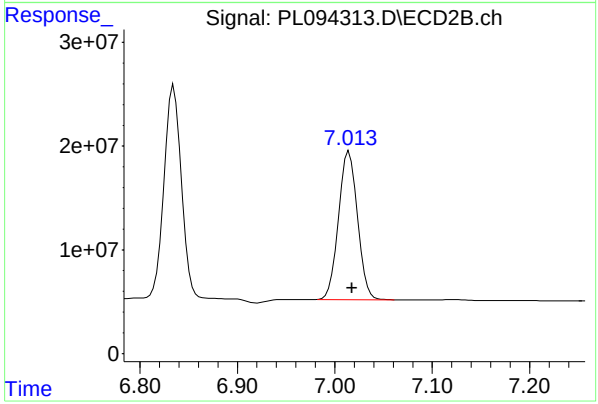
#21 Endrin ketone

R.T.: 6.835 min
Delta R.T.: -0.004 min
Response: 253079530
Conc: 60.33 ng/ml



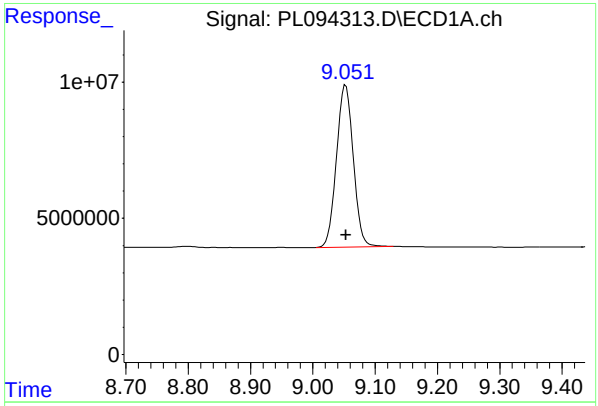
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 107296765
Conc: 51.52 ng/ml



#22 Mirex

R.T.: 7.015 min
Delta R.T.: -0.003 min
Response: 193893460
Conc: 57.33 ng/ml



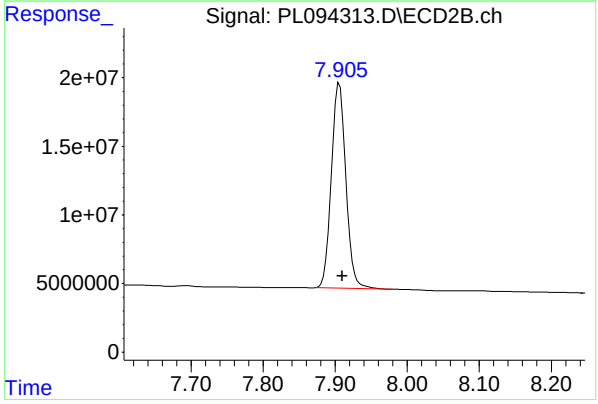
#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 mi
Response: 111686305
Conc: 53.39 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: -0.004 min
Response: 207871768
Conc: 59.32 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No. (PEM): PEM - PL093726.D **Date Analyzed:** 01/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:30

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.052	8.950	9.150	18.070	20.000	-9.7
Tetrachloro-m-xylene	3.538	3.490	3.590	18.530	20.000	-7.4
alpha-BHC	3.994	3.940	4.040	9.490	10.000	-5.1
beta-BHC	4.525	4.470	4.580	9.790	10.000	-2.1
gamma-BHC (Lindane)	4.326	4.280	4.380	9.300	10.000	-7.0
Endrin	6.572	6.500	6.640	41.270	50.000	-17.5
4,4'-DDT	7.022	6.950	7.090	82.410	100.000	-17.6
Methoxychlor	7.498	7.430	7.570	190.380	250.000	-23.8

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No. (PEM): PEM - PL093726.D **Date Analyzed:** 01/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:30

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.909	7.810	8.010	17.950	20.000	-10.3
Tetrachloro-m-xylene	2.775	2.720	2.830	17.900	20.000	-10.5
alpha-BHC	3.277	3.230	3.330	8.620	10.000	-13.8
beta-BHC	3.907	3.860	3.960	9.800	10.000	-2.0
gamma-BHC (Lindane)	3.607	3.560	3.660	8.300	10.000	-17.0
Endrin	5.636	5.570	5.710	42.700	50.000	-14.6
4,4'-DDT	6.034	5.960	6.100	96.510	100.000	-3.5
Methoxychlor	6.609	6.540	6.680	209.940	250.000	-16.0

PEM

Data File: PL093726.D **Date Acquired** 1/21/2025 10:30

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.57	96765136.66	105215770.7	8450634.06	**8.03**
Endrin aldehyde	6.92	3175682.472			
Endrin ketone	7.64	5274951.584			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	157695791.8	174071574	16375782.2	**9.41**
Endrin aldehyde #2	6.11	6776503.08			
Endrin ketone #2	6.84	9599279.119			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	162509369.8	166424298.6	3914928.76	**2.35**
4,4'-DDE	6.19	560248.444			
4,4'-DDD	6.71	3354680.315			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	314041690	320417432.8	6375742.79	**1.99**
4,4'-DDE #2	5.23	775353.914			
4,4'-DDD #2	5.78	5600388.877			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093726.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:30
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:04:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.538	2.775	49897579	58438387	18.530	17.903
28)	SA Decachlor...	9.052	7.909	37808316	62882920	18.074	17.946
	Target Compounds						
2)	A alpha-BHC	3.994	3.277	36373358	42163610	9.487	8.624
3)	MA gamma-BHC...	4.326	3.607	34234012	39348781	9.296	8.299
6)	B beta-BHC	4.525	3.907	15730216	19569860	9.787	9.797
12)	B 4,4'-DDE	6.193	5.230	560248	775354	0.230m	0.193
14)	MA Endrin	6.572	5.636	96765137	157.7E6	41.268	42.705
16)	A 4,4'-DDD	6.707	5.785	3354680	5600389	1.765m	1.774
17)	MA 4,4'-DDT	7.022	6.034	162.5E6	314.0E6	82.406	96.508
18)	B Endrin al...	6.921	6.109	3175682	6776503	1.634m	2.226 #
20)	A Methoxychlor	7.498	6.609	198.6E6	375.4E6	190.379	209.937
21)	B Endrin ke...	7.640	6.838	5274952	9599279	2.091	2.288

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

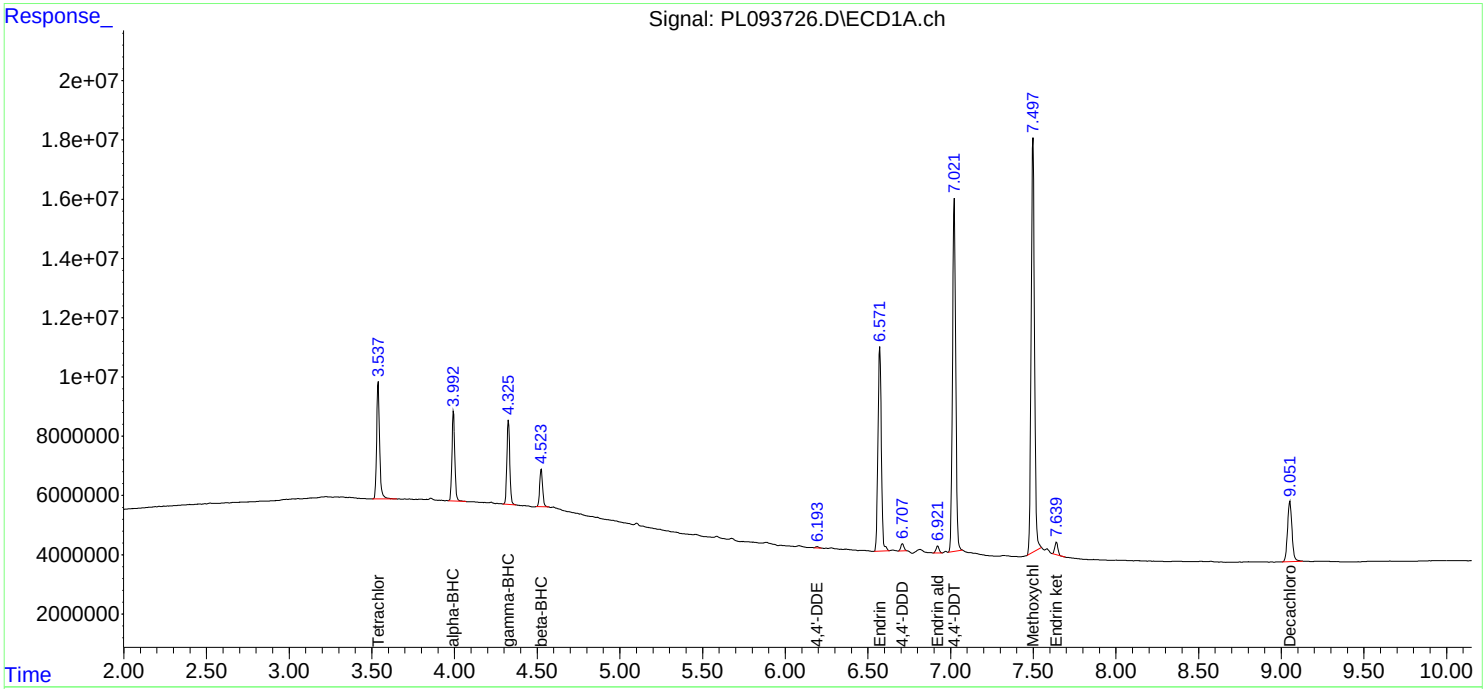
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093726.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:30
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

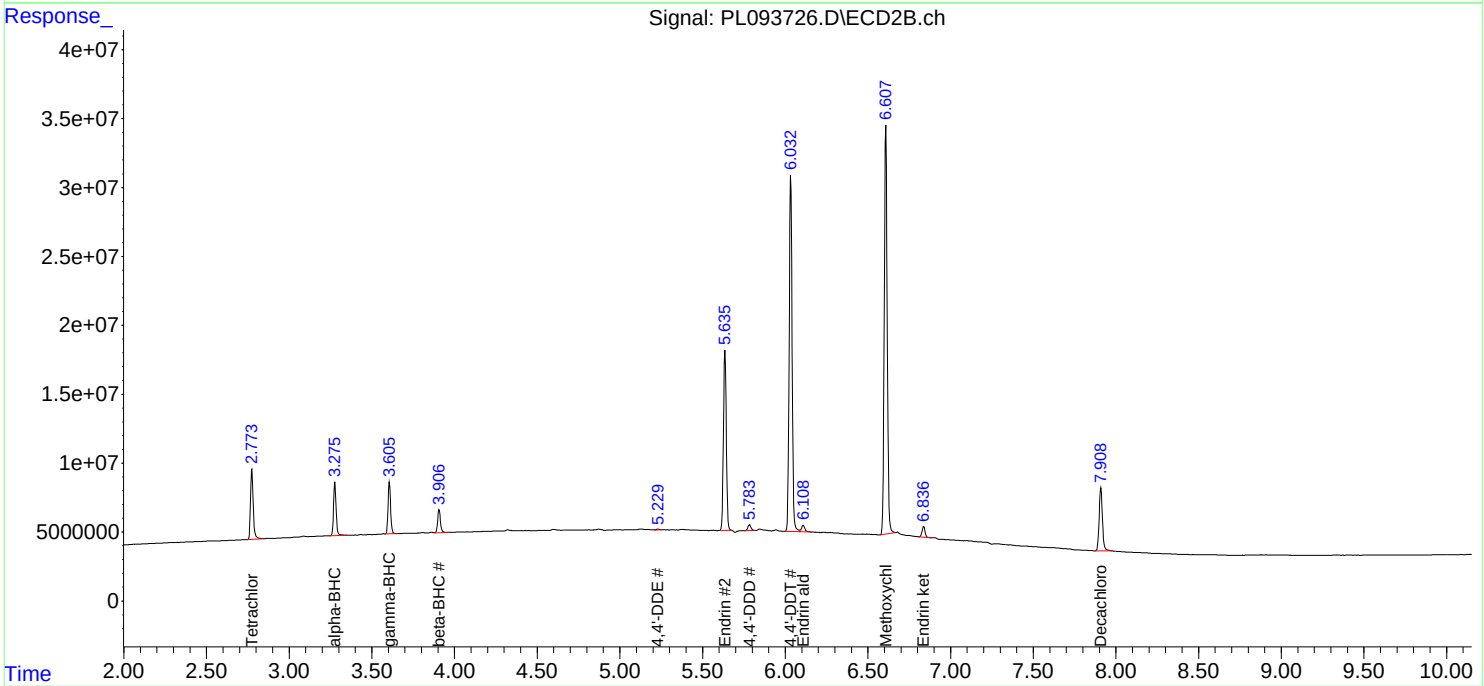
Instrument :
ECD_L
ClientSampleId :
PEM

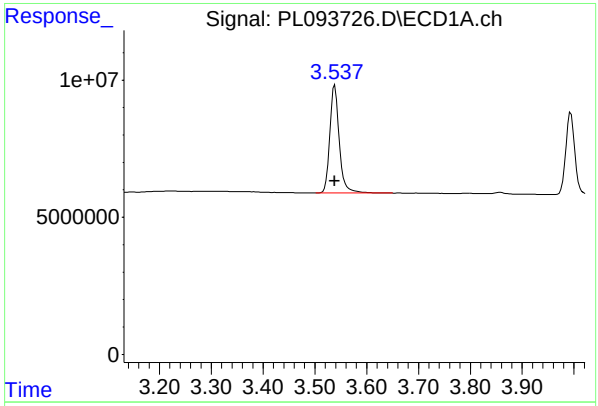
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:04:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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







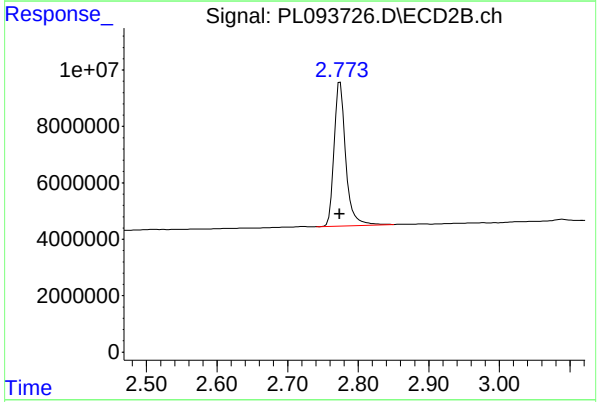
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 49897579
Conc: 18.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

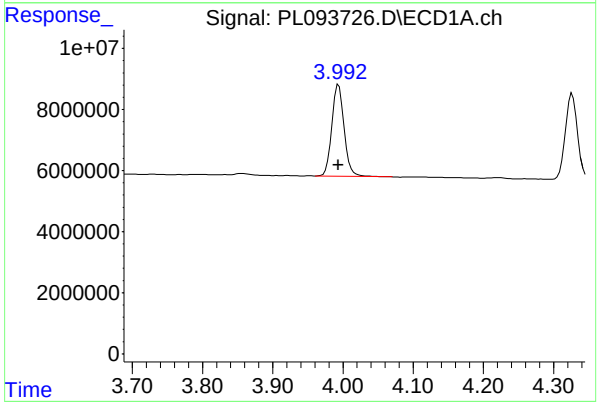
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



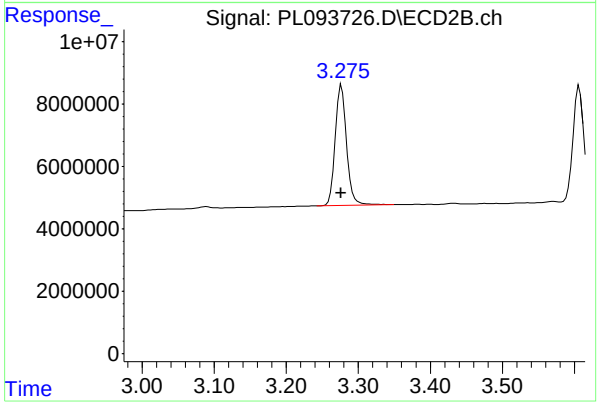
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.000 min
Response: 58438387
Conc: 17.90 ng/ml



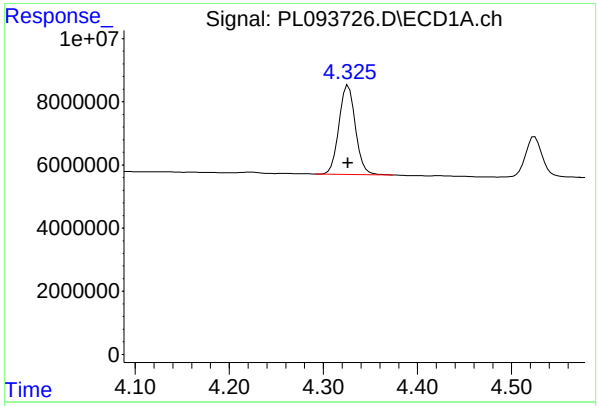
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 36373358
Conc: 9.49 ng/ml



#2 alpha-BHC

R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 42163610
Conc: 8.62 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 34234012
Conc: 9.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

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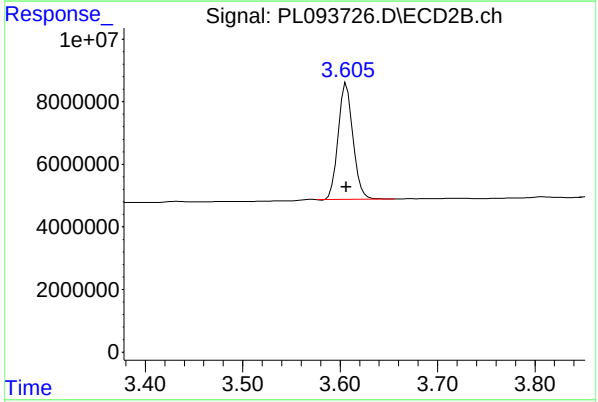
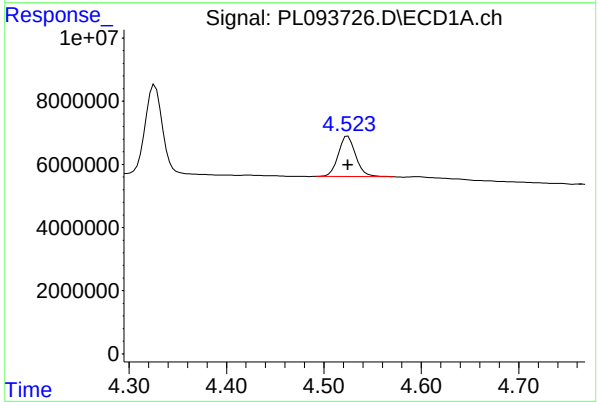
Supervised By :Ankita Jodhani 01/22/2025



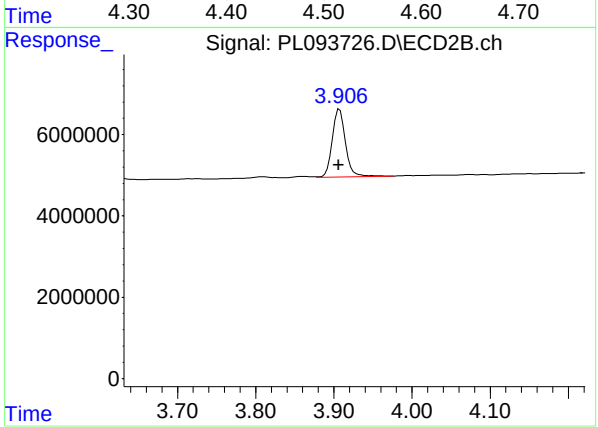
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 39348781
Conc: 8.30 ng/ml



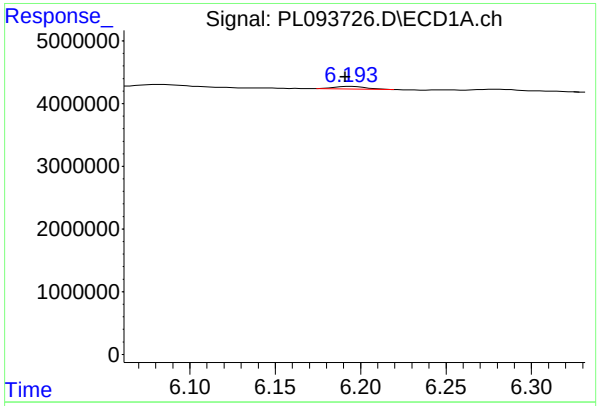
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 15730216
Conc: 9.79 ng/ml



#6 beta-BHC

R.T.: 3.907 min
Delta R.T.: 0.001 min
Response: 19569860
Conc: 9.80 ng/ml



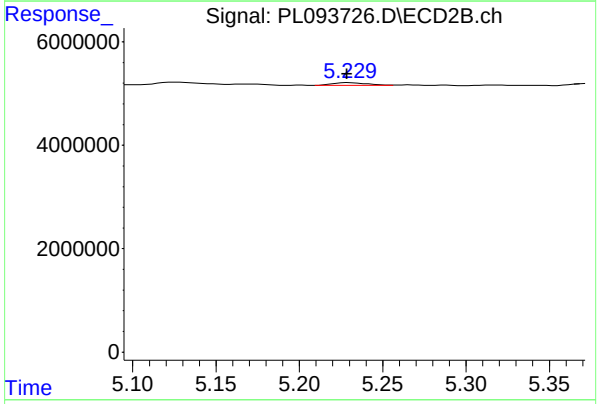
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.002 min
Response: 560248
Conc: 0.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

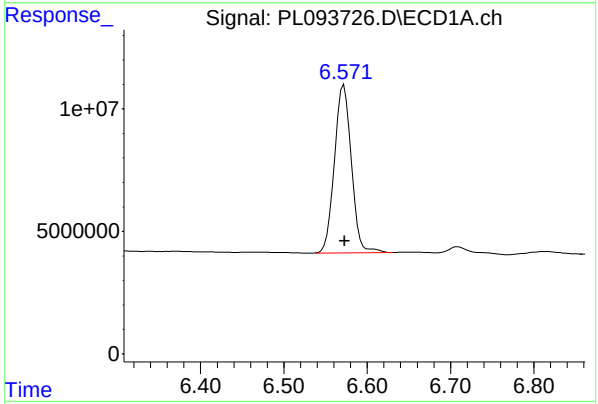
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



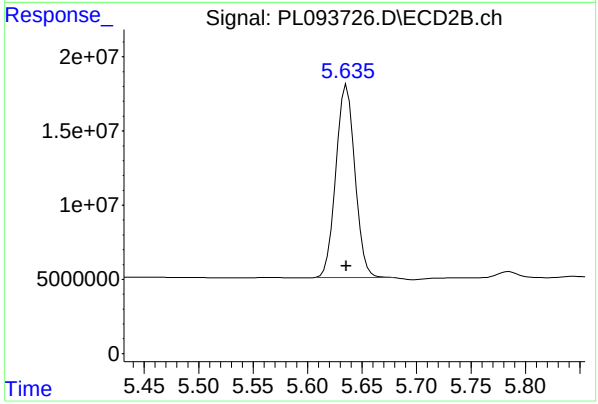
#12 4,4'-DDE

R.T.: 5.230 min
Delta R.T.: 0.002 min
Response: 775354
Conc: 0.19 ng/ml



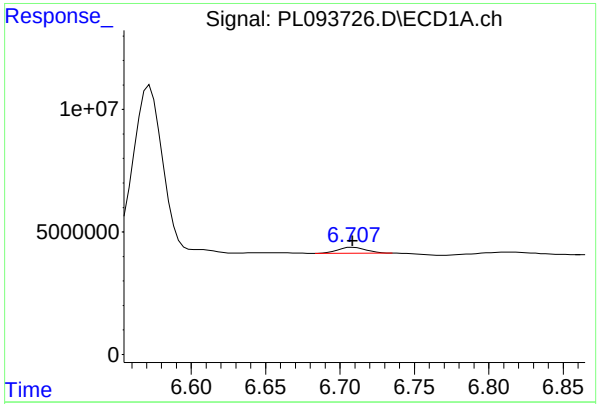
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 96765137
Conc: 41.27 ng/ml



#14 Endrin

R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 157695792
Conc: 42.70 ng/ml



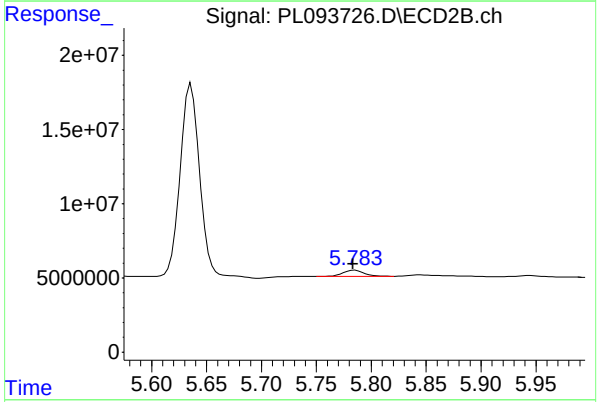
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 3354680
Conc: 1.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

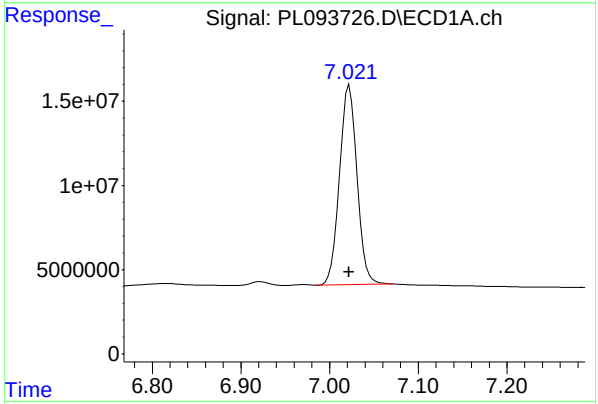
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



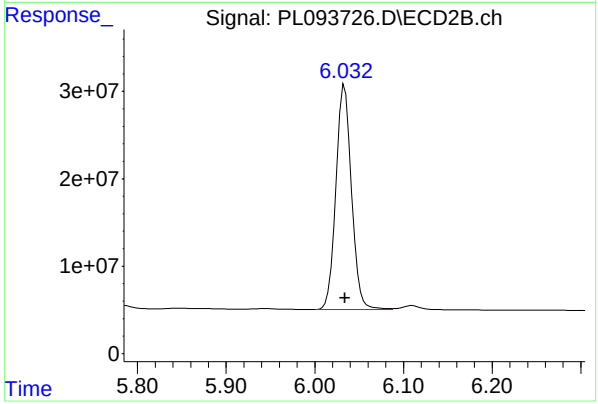
#16 4,4'-DDD

R.T.: 5.785 min
Delta R.T.: 0.001 min
Response: 5600389
Conc: 1.77 ng/ml



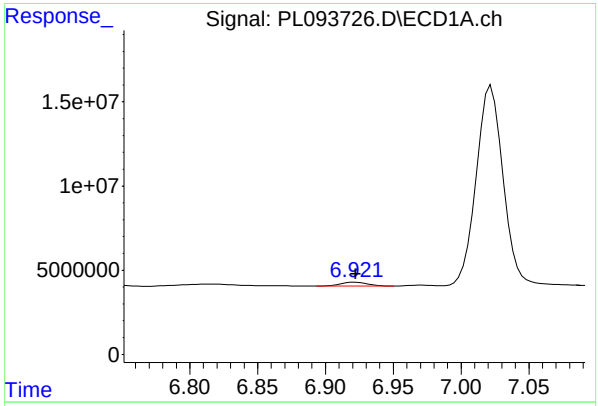
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 162509370
Conc: 82.41 ng/ml



#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 314041690
Conc: 96.51 ng/ml



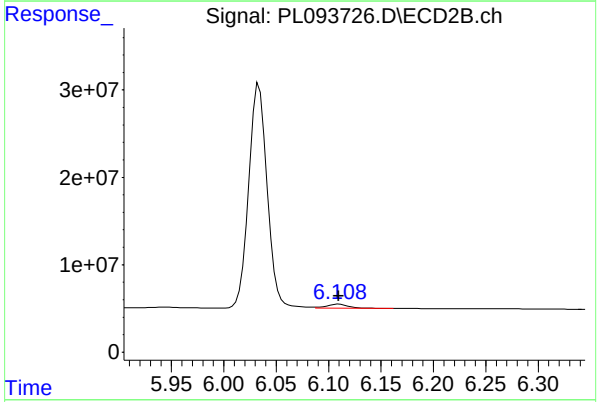
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.001 min
Response: 3175682
Conc: 1.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

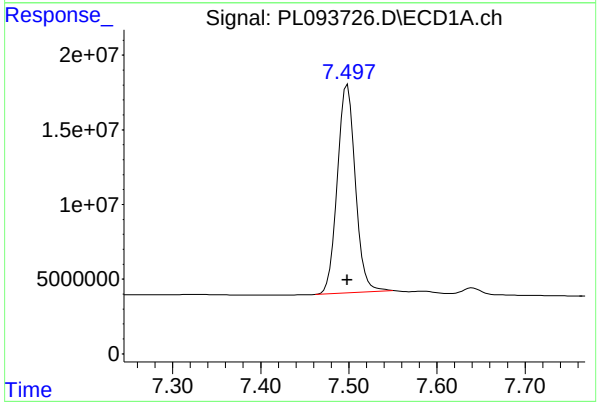
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



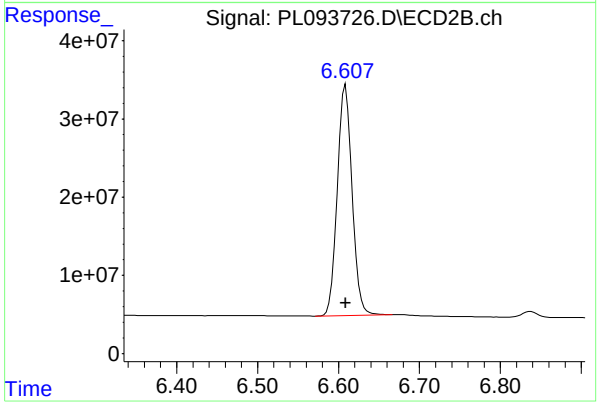
#18 Endrin aldehyde

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 6776503
Conc: 2.23 ng/ml



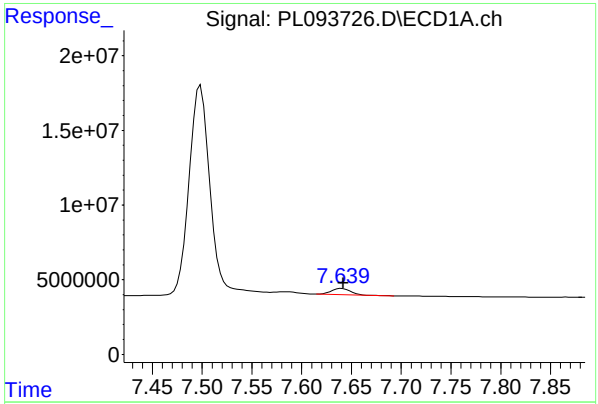
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 198641245
Conc: 190.38 ng/ml



#20 Methoxychlor

R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 375396697
Conc: 209.94 ng/ml



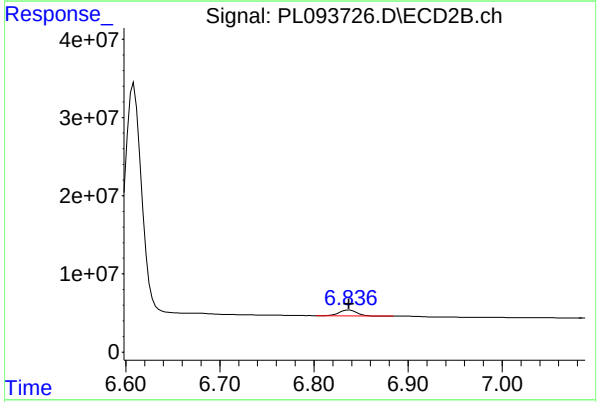
#21 Endrin ketone

R.T.: 7.640 min
Delta R.T.: -0.001 min
Response: 5274952
Conc: 2.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

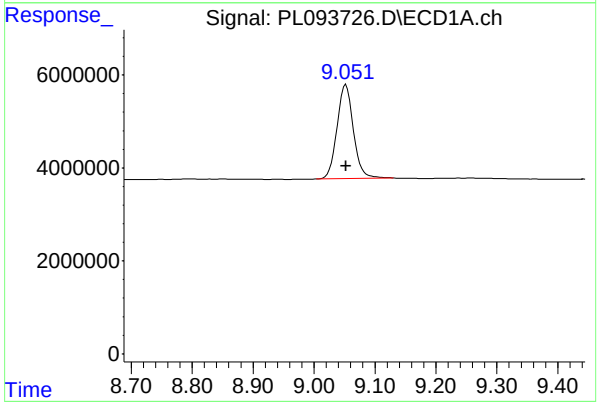
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/22/2025
Supervised By :Ankita Jodhani 01/22/2025



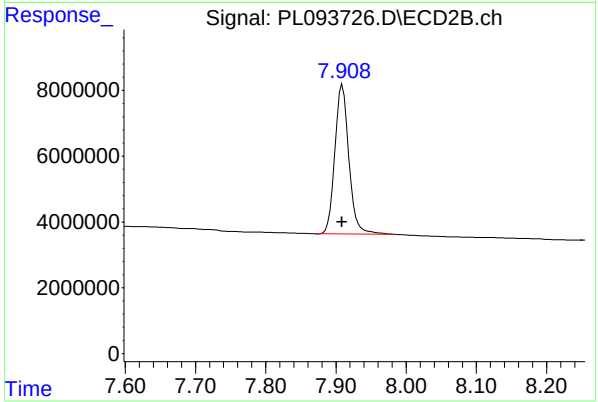
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 9599279
Conc: 2.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 37808316
Conc: 18.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 62882920
Conc: 17.95 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No. (PEM): PEM - PL094256.D **Date Analyzed:** 02/19/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:39

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.049	8.950	9.150	19.730	20.000	-1.4
Tetrachloro-m-xylene	3.537	3.490	3.590	19.170	20.000	-4.2
alpha-BHC	3.993	3.940	4.040	10.140	10.000	1.4
beta-BHC	4.523	4.470	4.570	10.330	10.000	3.3
gamma-BHC (Lindane)	4.325	4.270	4.380	9.920	10.000	-0.8
Endrin	6.568	6.500	6.640	46.490	50.000	-7.0
4,4'-DDT	7.020	6.950	7.090	93.060	100.000	-6.9
Methoxychlor	7.497	7.430	7.570	210.880	250.000	-15.6

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No. (PEM): PEM - PL094256.D **Date Analyzed:** 02/19/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:39

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.904	7.800	8.000	20.680	20.000	3.4
Tetrachloro-m-xylene	2.772	2.720	2.820	19.610	20.000	-2.0
alpha-BHC	3.273	3.220	3.320	9.430	10.000	-5.7
beta-BHC	3.904	3.850	3.950	10.510	10.000	5.1
gamma-BHC (Lindane)	3.603	3.550	3.650	9.160	10.000	-8.4
Endrin	5.632	5.560	5.700	49.960	50.000	-0.1
4,4'-DDT	6.029	5.960	6.100	114.630	100.000	14.6
Methoxychlor	6.605	6.530	6.680	248.300	250.000	-0.7

PEM

Data File: PL094256.D **Date Acquired** 2/19/2025 11:39

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.57	109016291.4	116475360.5	7459069.1	**6.40**
Endrin aldehyde	6.92	2730868.306			
Endrin ketone	7.64	4728200.791			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.63	184472357.7	199428329.3	14955971.6	**7.50**
Endrin aldehyde #2	6.11	6550770.379			
Endrin ketone #2	6.83	8405201.224			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	183519966.3	185644642.8	2124676.5	**1.14**
4,4'-DDE	6.19	505598.678			
4,4'-DDD	6.71	1619077.827			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	372996543.9	376967478.4	3970934.49	**1.05**
4,4'-DDE #2	5.23	851551.923			
4,4'-DDD #2	5.78	3119382.563			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094256.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 11:39
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:10:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.537	2.772	51607884	64020293	19.165	19.613
28)	SA Decachlor...	9.049	7.904	41276295	72473467	19.731	20.683
	Target Compounds						
2)	A alpha-BHC	3.993	3.273	38890686	46113361	10.144	9.432
3)	MA gamma-BHC...	4.325	3.603	36529552	43443921	9.919	9.163
6)	B beta-BHC	4.523	3.904	16598250	20994292	10.327	10.511
12)	B 4,4'-DDE	6.189	5.228	505599	851552	0.208m	0.212
14)	MA Endrin	6.568	5.632	109.0E6	184.5E6	46.492m	49.956
16)	A 4,4'-DDD	6.706	5.782	1619078	3119383	0.852m	0.988
17)	MA 4,4'-DDT	7.020	6.029	183.5E6	373.0E6	93.060	114.625m
18)	B Endrin al...	6.920	6.106	2730868	6550770	1.405	2.152 #
20)	A Methoxychlor	7.497	6.605	220.0E6	444.0E6	210.883	248.301
21)	B Endrin ke...	7.639	6.834	4728201	8405201	1.874	2.004

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

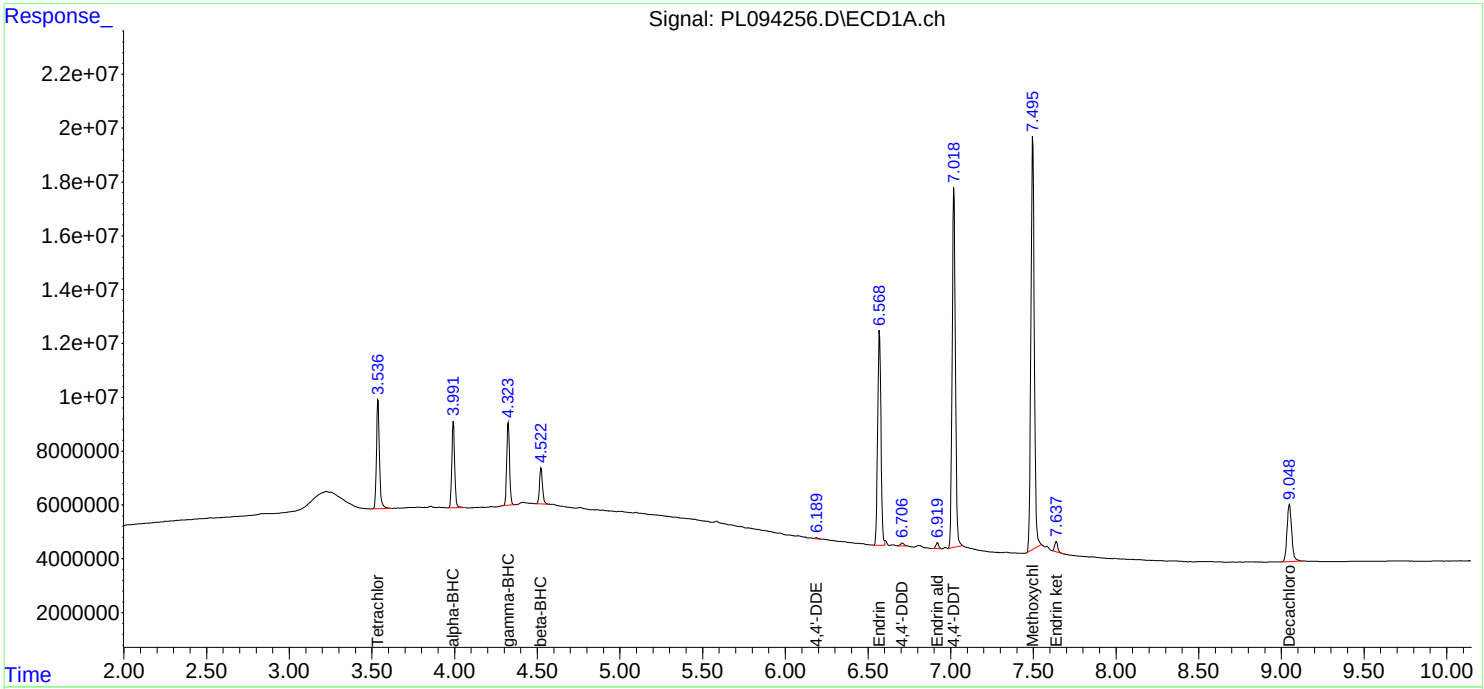
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094256.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 11:39
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

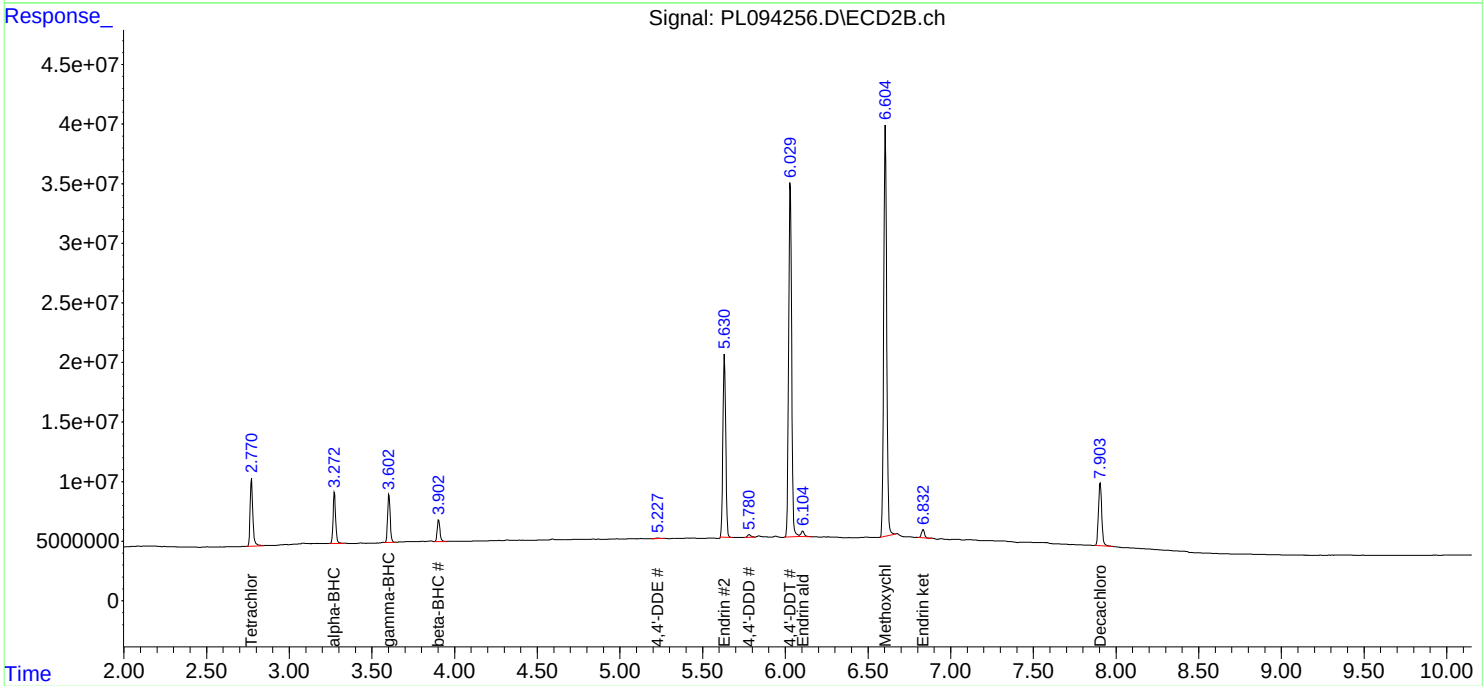
Instrument :
ECD_L
ClientSampleId :
PEM

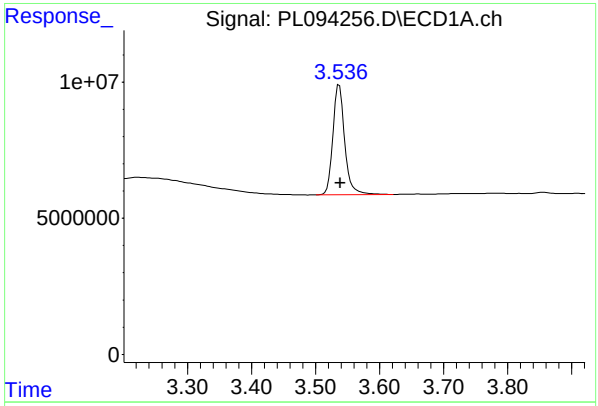
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:10:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







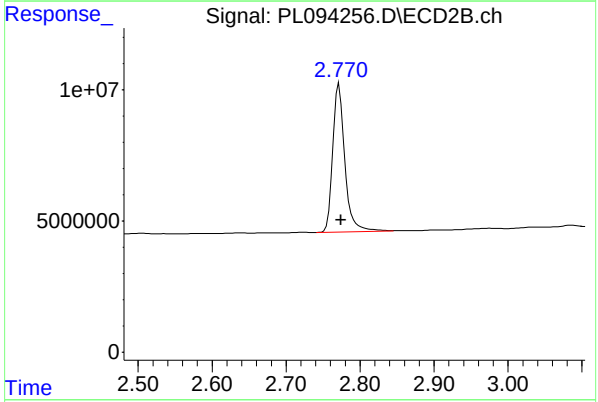
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 51607884
Conc: 19.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

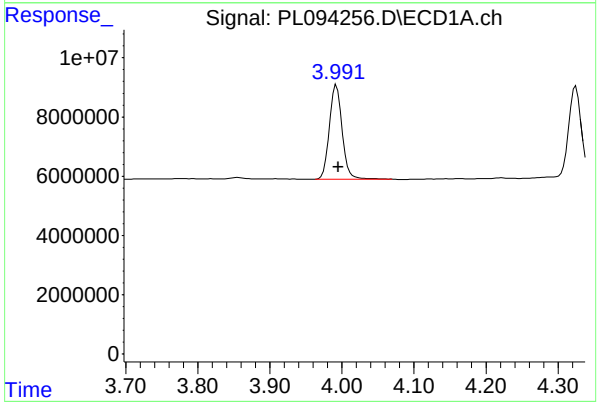
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



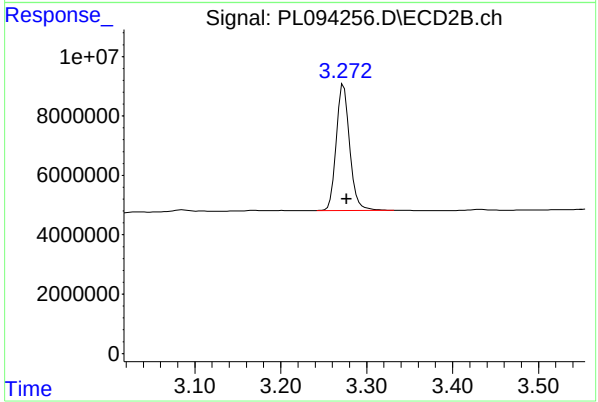
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 64020293
Conc: 19.61 ng/ml



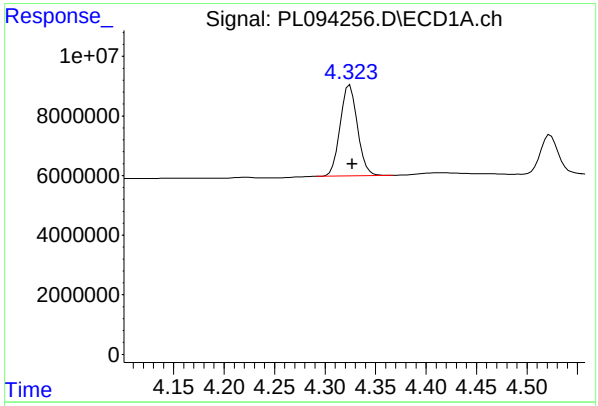
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.002 min
Response: 38890686
Conc: 10.14 ng/ml



#2 alpha-BHC

R.T.: 3.273 min
Delta R.T.: -0.004 min
Response: 46113361
Conc: 9.43 ng/ml



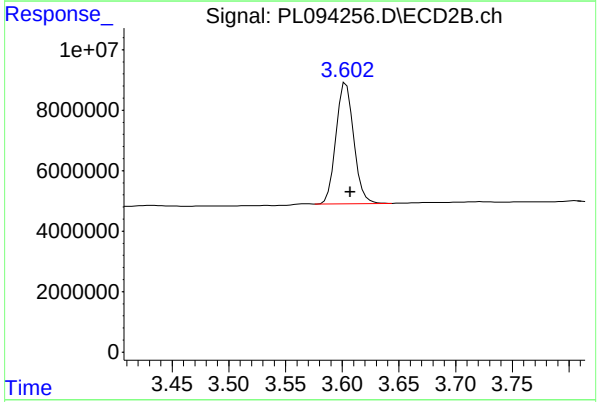
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 36529552
Conc: 9.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

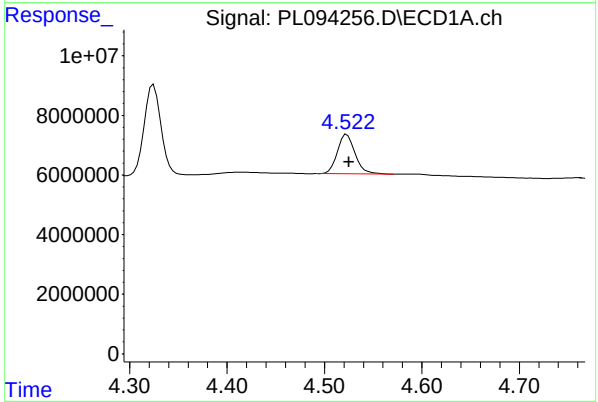
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



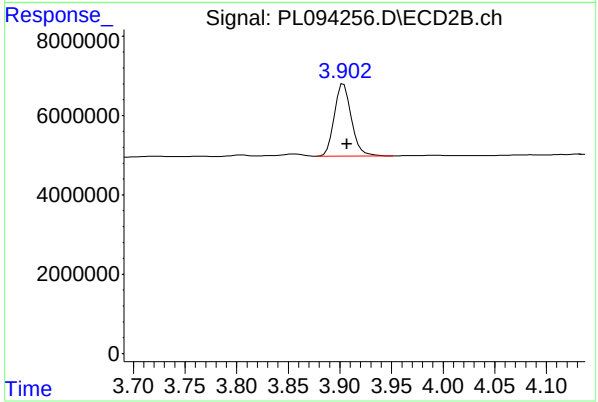
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.004 min
Response: 43443921
Conc: 9.16 ng/ml



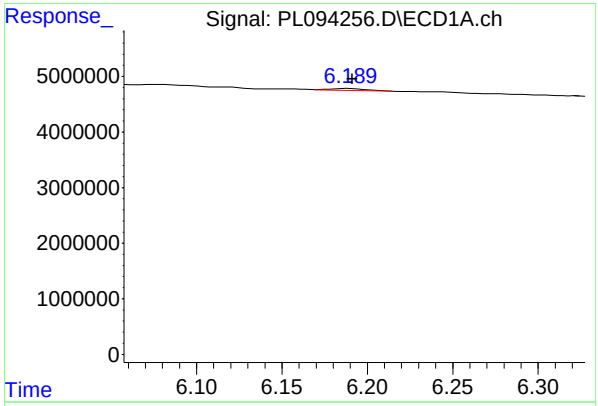
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 16598250
Conc: 10.33 ng/ml



#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 20994292
Conc: 10.51 ng/ml



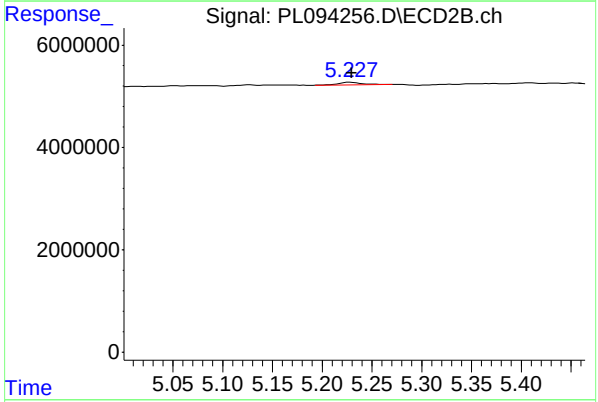
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.003 min
Response: 505599
Conc: 0.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

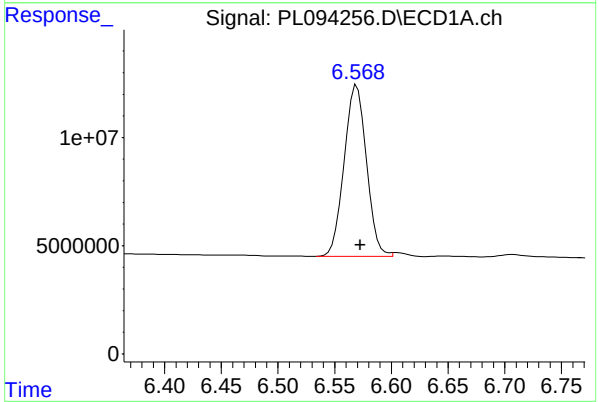
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



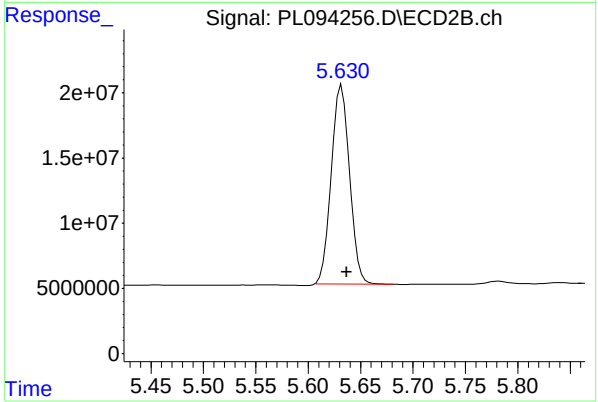
#12 4,4'-DDE

R.T.: 5.228 min
Delta R.T.: -0.001 min
Response: 851552
Conc: 0.21 ng/ml



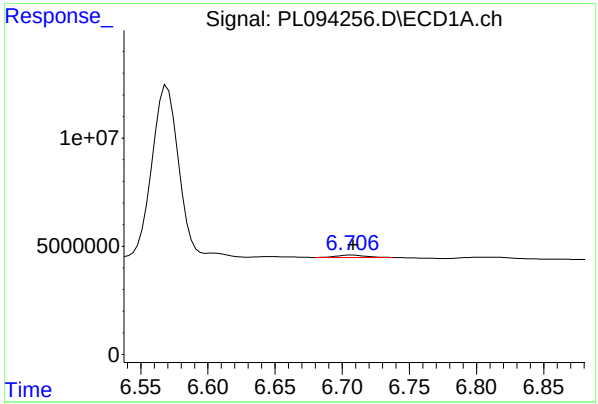
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.004 min
Response: 109016291
Conc: 46.49 ng/ml m



#14 Endrin

R.T.: 5.632 min
Delta R.T.: -0.005 min
Response: 184472358
Conc: 49.96 ng/ml



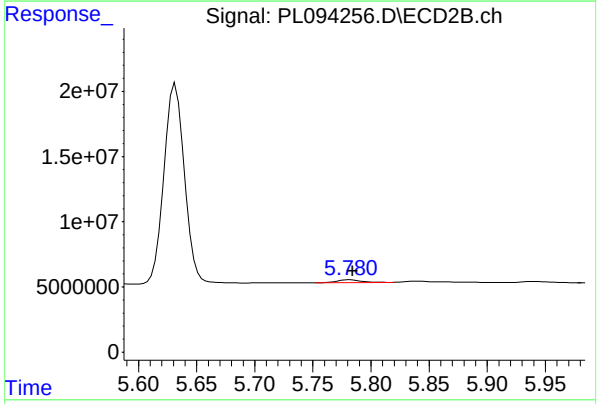
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.003 min
Response: 1619078
Conc: 0.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

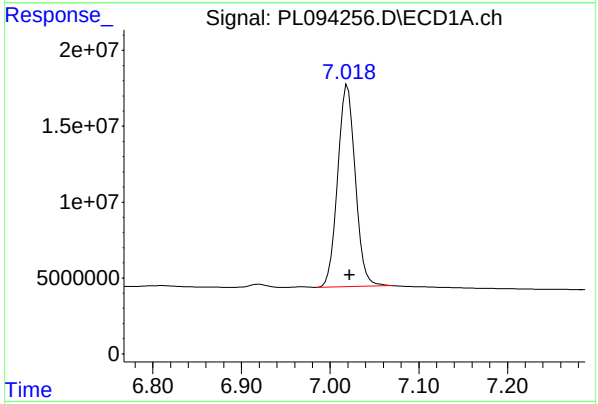
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



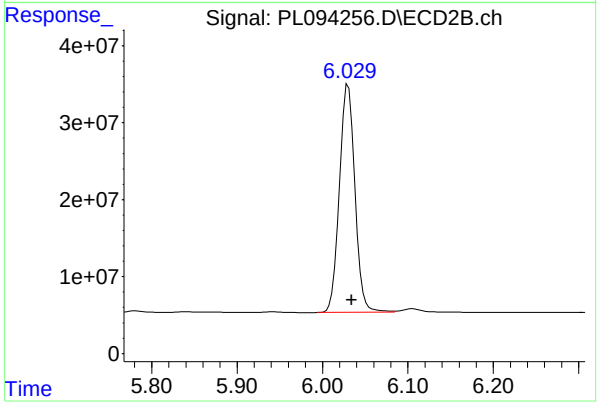
#16 4,4'-DDD

R.T.: 5.782 min
Delta R.T.: -0.002 min
Response: 3119383
Conc: 0.99 ng/ml



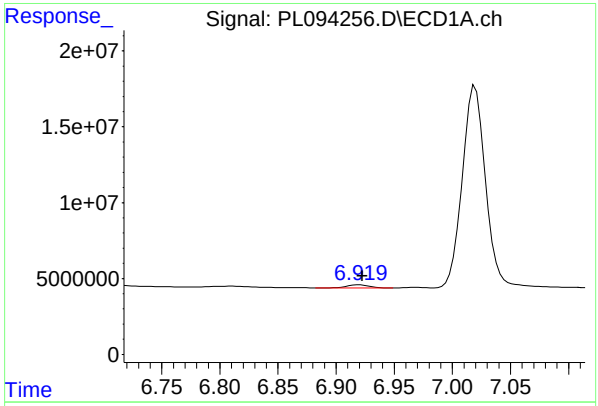
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 183519966
Conc: 93.06 ng/ml



#17 4,4'-DDT

R.T.: 6.029 min
Delta R.T.: -0.005 min
Response: 372996544
Conc: 114.63 ng/ml m



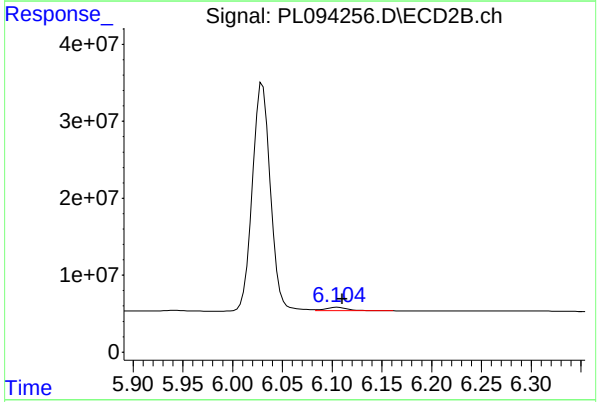
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: -0.003 min
Response: 2730868
Conc: 1.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

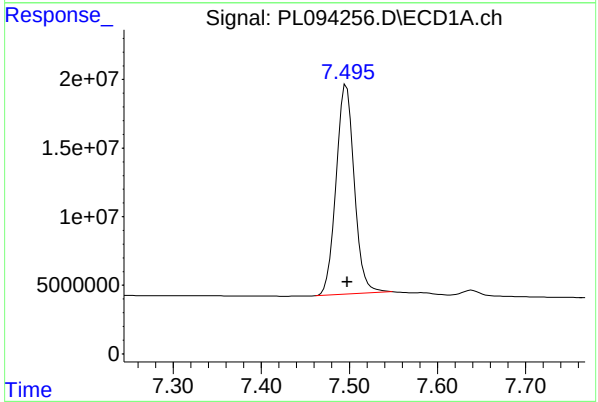
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



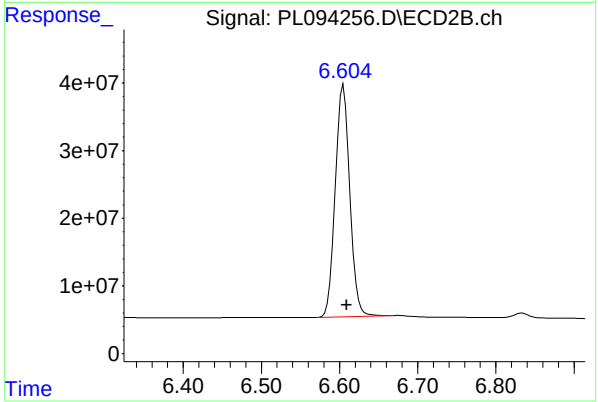
#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: -0.005 min
Response: 6550770
Conc: 2.15 ng/ml



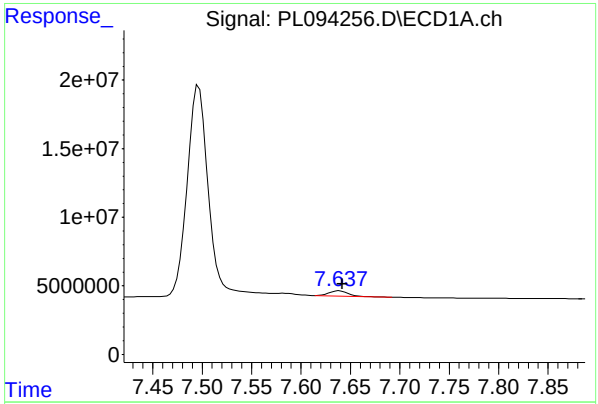
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.001 min
Response: 220034925
Conc: 210.88 ng/ml



#20 Methoxychlor

R.T.: 6.605 min
Delta R.T.: -0.004 min
Response: 443996355
Conc: 248.30 ng/ml



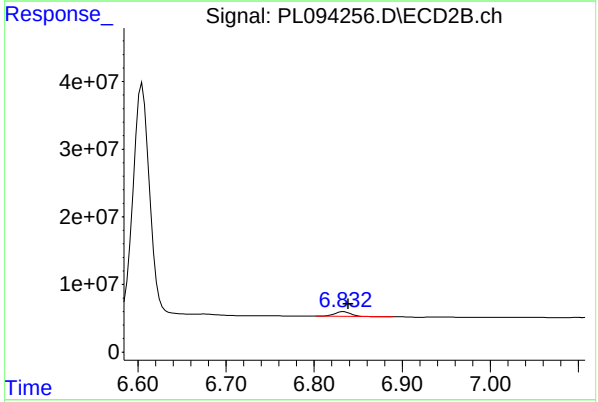
#21 Endrin ketone

R.T.: 7.639 min
Delta R.T.: -0.003 min
Response: 4728201
Conc: 1.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

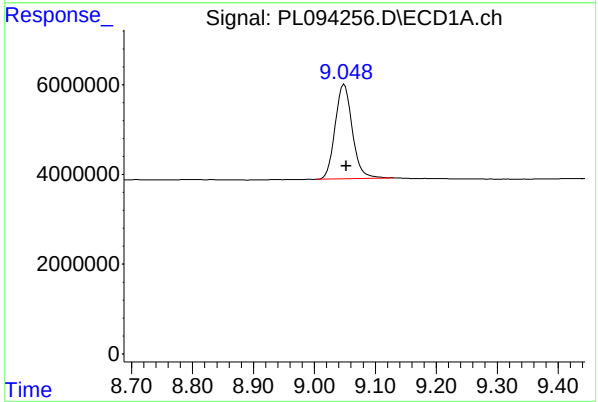
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



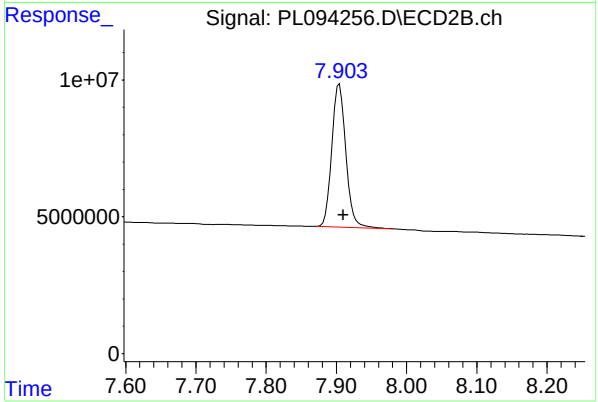
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: -0.005 min
Response: 8405201
Conc: 2.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.004 min
Response: 41276295
Conc: 19.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.005 min
Response: 72473467
Conc: 20.68 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No. (PEM): PEM - PL094285.D **Date Analyzed:** 02/19/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 20:57

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.048	8.950	9.150	21.260	20.000	6.3
Tetrachloro-m-xylene	3.537	3.490	3.590	20.160	20.000	0.8
alpha-BHC	3.992	3.940	4.040	10.580	10.000	5.8
beta-BHC	4.523	4.470	4.570	11.260	10.000	12.6
gamma-BHC (Lindane)	4.325	4.270	4.380	10.460	10.000	4.6
Endrin	6.569	6.500	6.640	44.950	50.000	-10.1
4,4'-DDT	7.021	6.950	7.090	96.730	100.000	-3.3
Methoxychlor	7.497	7.430	7.570	229.640	250.000	-8.1

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No. (PEM): PEM - PL094285.D **Date Analyzed:** 02/19/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 20:57

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.905	7.800	8.010	20.770	20.000	3.9
Tetrachloro-m-xylene	2.772	2.720	2.820	20.470	20.000	2.4
alpha-BHC	3.273	3.220	3.320	9.910	10.000	-0.9
beta-BHC	3.904	3.850	3.950	11.180	10.000	11.8
gamma-BHC (Lindane)	3.603	3.550	3.650	9.620	10.000	-3.8
Endrin	5.632	5.560	5.700	48.480	50.000	-3.0
4,4'-DDT	6.030	5.960	6.100	111.980	100.000	12.0
Methoxychlor	6.605	6.530	6.680	252.950	250.000	1.2

PEM

Data File: PL094285.D **Date Acquired** 2/19/2025 20:57

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.57	105401842.3	117699848.5	12298006.2	**10.45**
Endrin aldehyde	6.92	4012740.059			
Endrin ketone	7.64	8285266.15			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.63	179019041.5	200594920.9	21575879.3	**10.76**
Endrin aldehyde #2	6.11	7168624.336			
Endrin ketone #2	6.83	14407254.99			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	190759011.4	196853695.2	6094683.8	**3.10**
4,4'-DDE	6.19	497014.978			
4,4'-DDD	6.71	5597668.825			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	364376510.1	373147691.8	8771181.71	**2.35**
4,4'-DDE #2	5.23	363577.338			
4,4'-DDD #2	5.78	8407604.376			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094285.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 20:57
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:18:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.537	2.772	54299102	66826345	20.165	20.473
28)	SA Decachlor...	9.048	7.905	44464533	72770044	21.255	20.767
	Target Compounds						
2)	A alpha-BHC	3.992	3.273	40558871	48435103	10.579	9.907
3)	MA gamma-BHC...	4.325	3.603	38535752	45592917	10.464	9.616
6)	B beta-BHC	4.523	3.904	18099612	22340519	11.261	11.185
14)	MA Endrin	6.569	5.632	105.4E6	179.0E6	44.951m	48.479
16)	A 4,4'-DDD	6.707	5.780	5597669	8407604	2.945	2.664
17)	MA 4,4'-DDT	7.021	6.030	190.8E6	364.4E6	96.731	111.976
18)	B Endrin al...	6.920	6.106	4012740	7168624	2.064	2.355
20)	A Methoxychlor	7.497	6.605	239.6E6	452.3E6	229.639	252.950
21)	B Endrin ke...	7.639	6.833	8285266	14407255	3.284	3.434

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

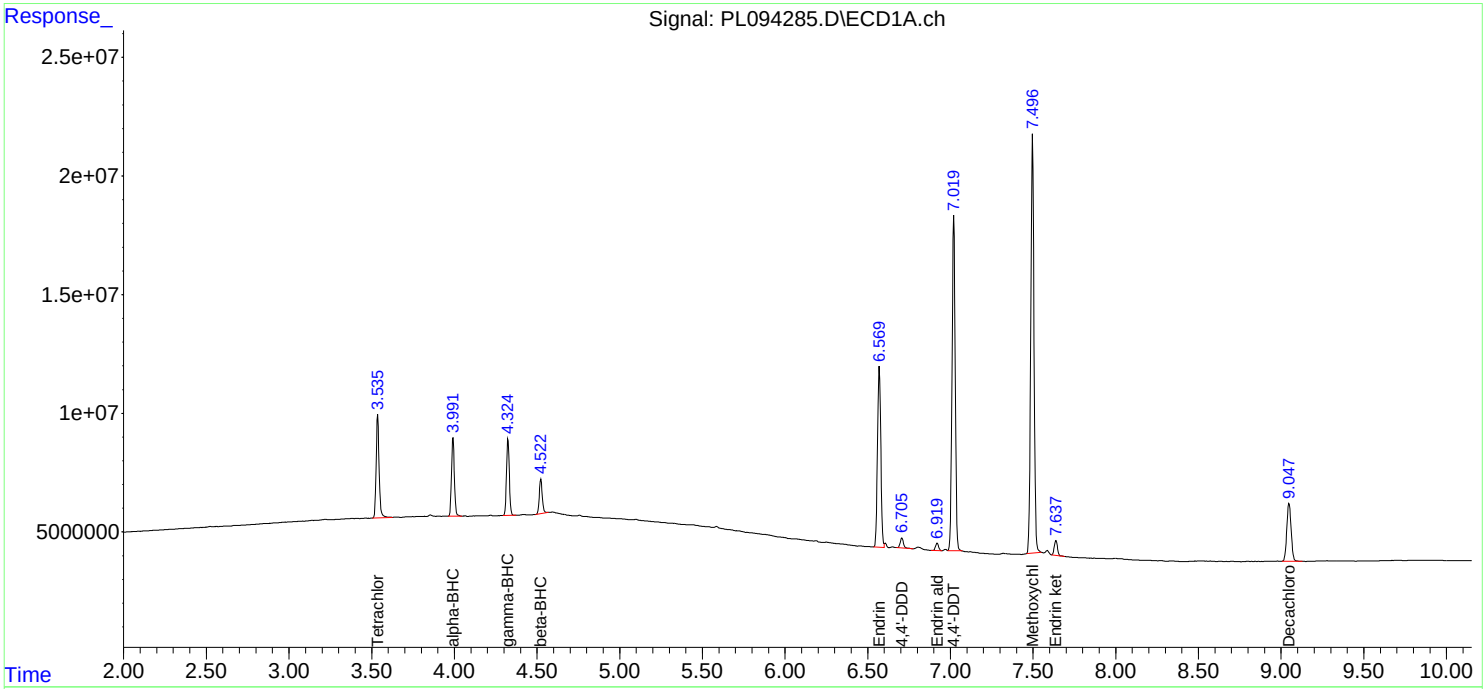
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094285.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 20:57
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

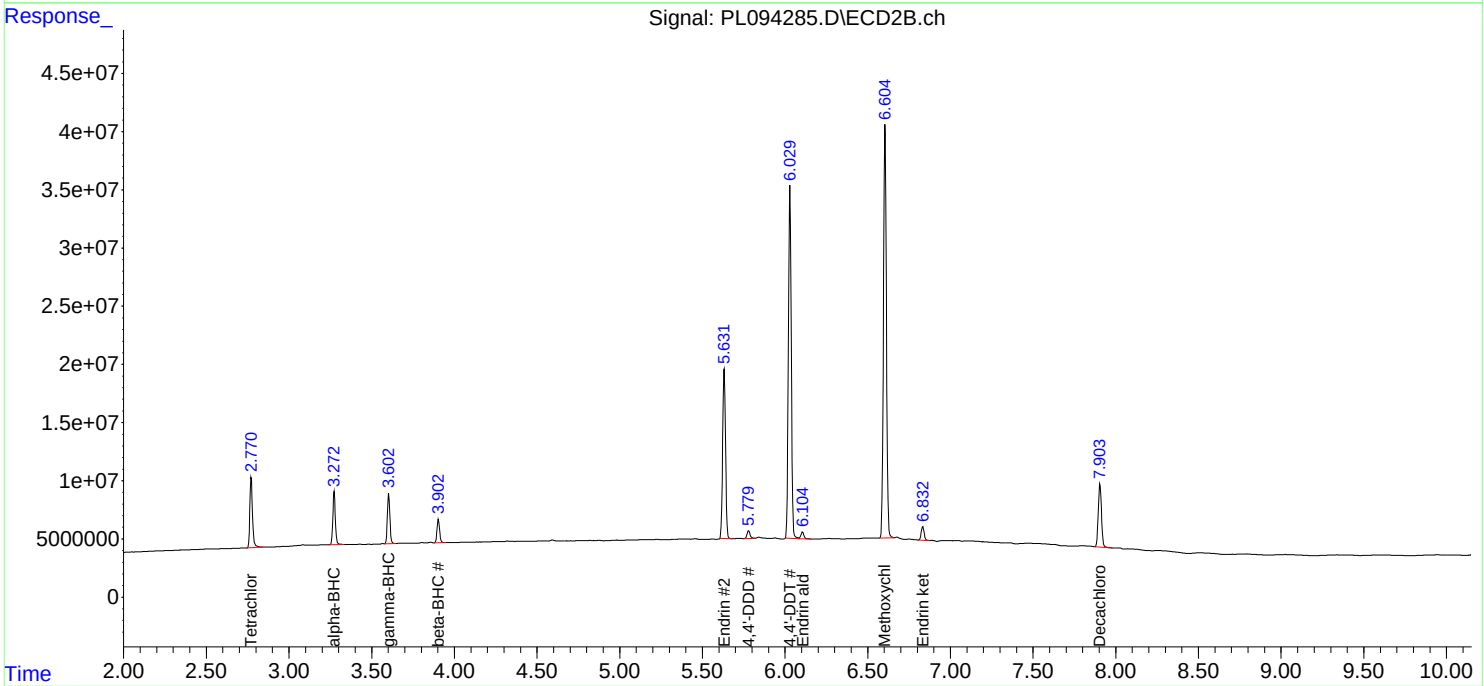
Instrument :
ECD_L
ClientSampleId :
PEM

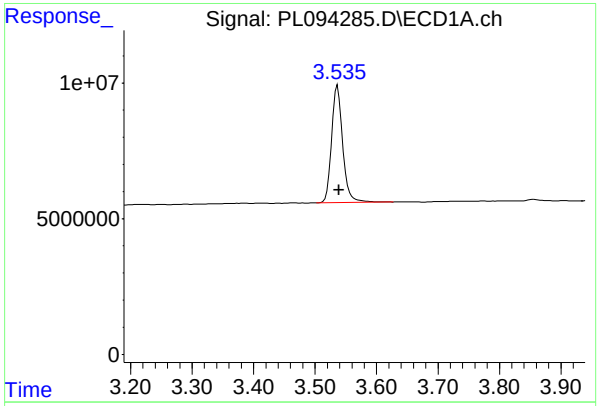
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:18:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







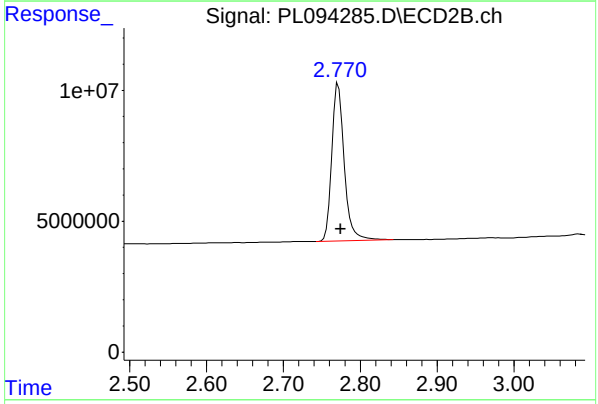
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: -0.002 mi
Response: 54299102
Conc: 20.16 ng/m

Instrument :
ECD_L
ClientSampleId :
PEM

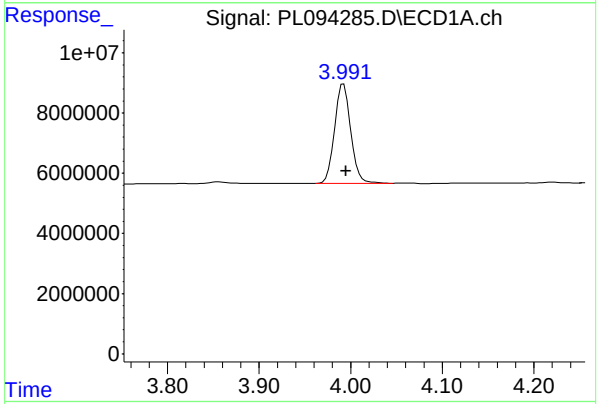
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



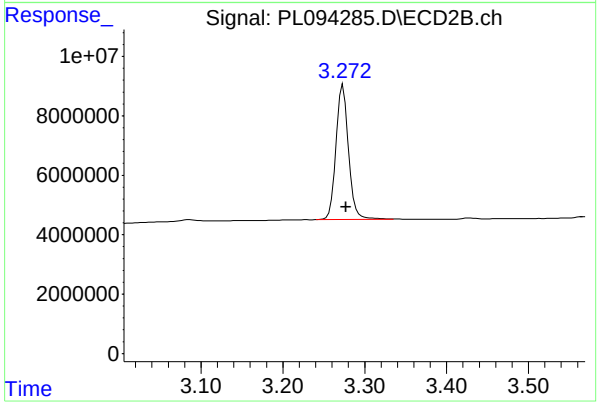
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 66826345
Conc: 20.47 ng/ml



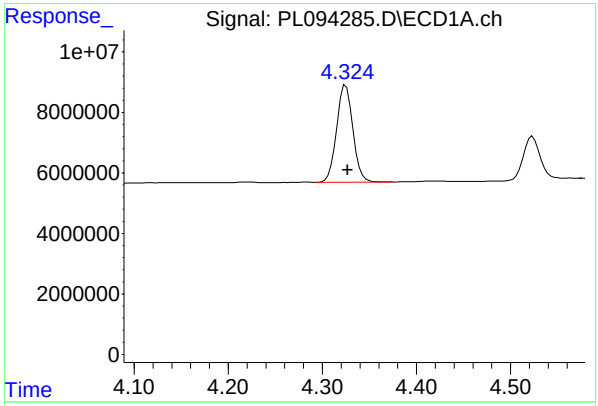
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 40558871
Conc: 10.58 ng/ml



#2 alpha-BHC

R.T.: 3.273 min
Delta R.T.: -0.003 min
Response: 48435103
Conc: 9.91 ng/ml



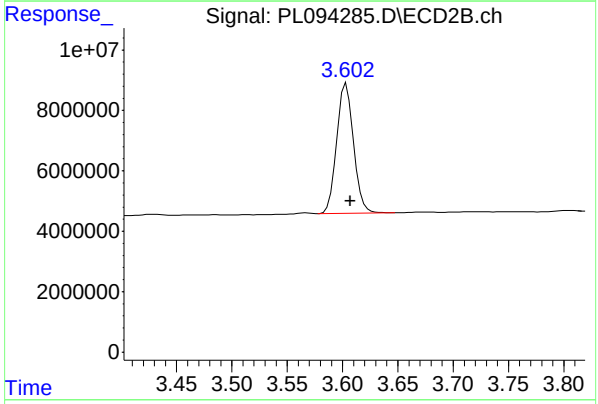
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 38535752
Conc: 10.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

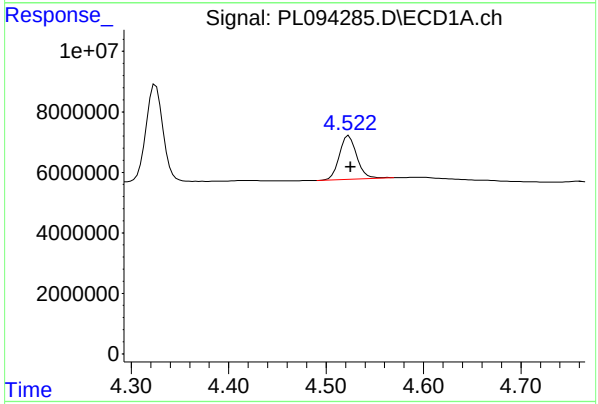
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



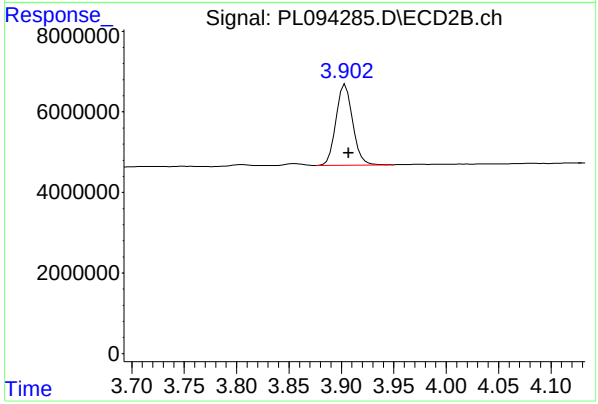
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.004 min
Response: 45592917
Conc: 9.62 ng/ml



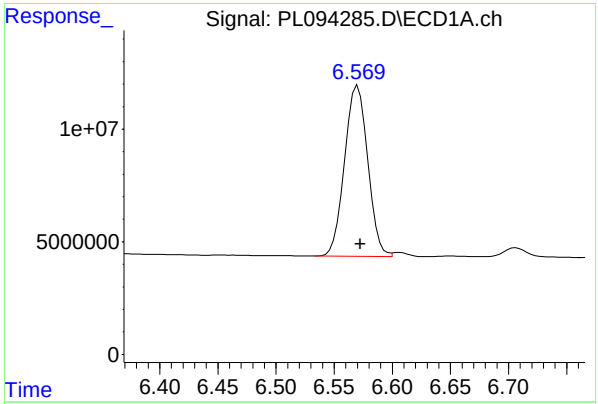
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 18099612
Conc: 11.26 ng/ml



#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 22340519
Conc: 11.18 ng/ml



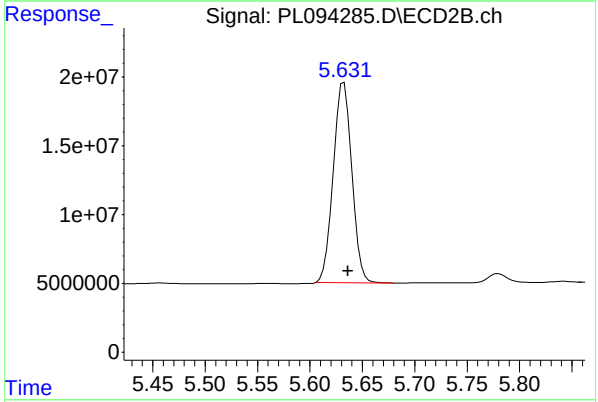
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.004 min
Response: 105401842
Conc: 44.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

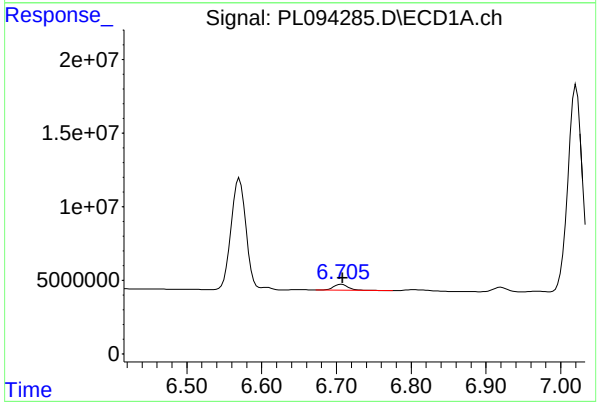
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



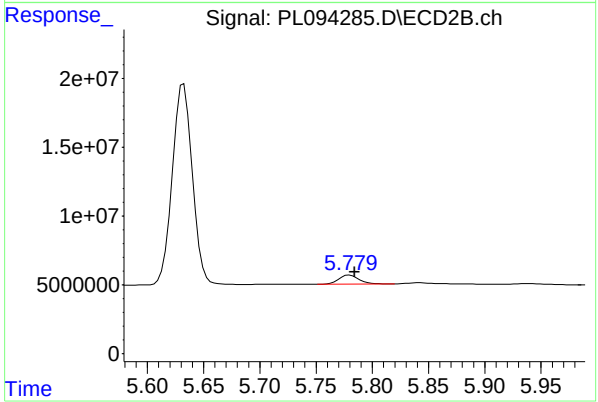
#14 Endrin

R.T.: 5.632 min
Delta R.T.: -0.004 min
Response: 179019042
Conc: 48.48 ng/ml



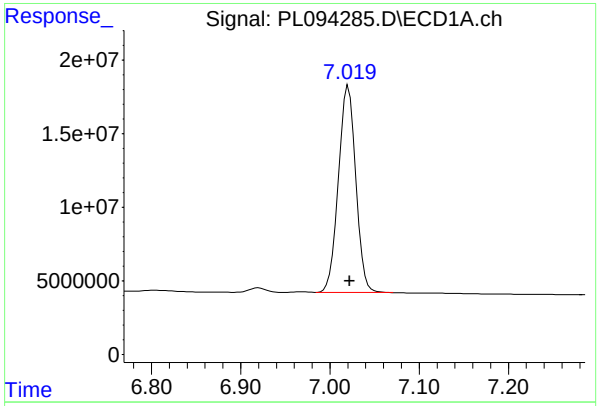
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.001 min
Response: 5597669
Conc: 2.95 ng/ml



#16 4,4'-DDD

R.T.: 5.780 min
Delta R.T.: -0.004 min
Response: 8407604
Conc: 2.66 ng/ml



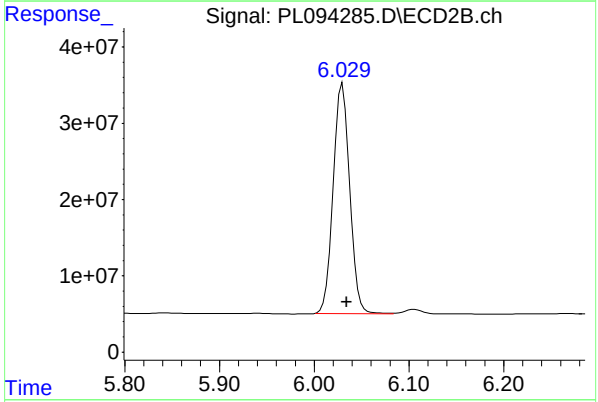
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.002 min
Response: 190759011
Conc: 96.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

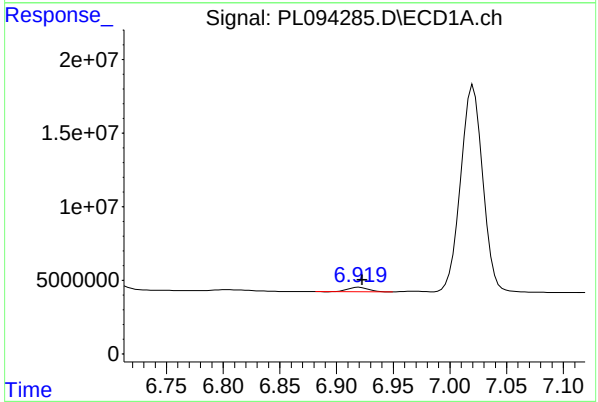
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



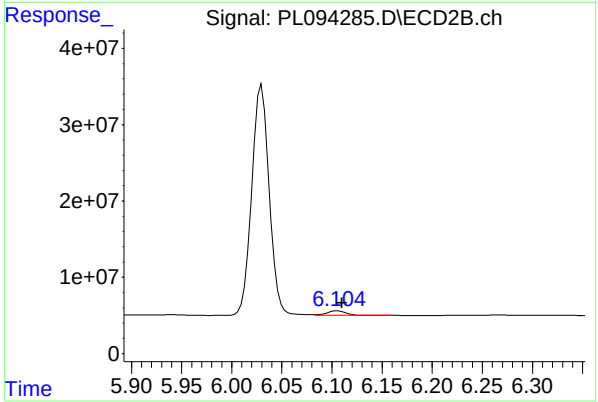
#17 4,4'-DDT

R.T.: 6.030 min
Delta R.T.: -0.004 min
Response: 364376510
Conc: 111.98 ng/ml



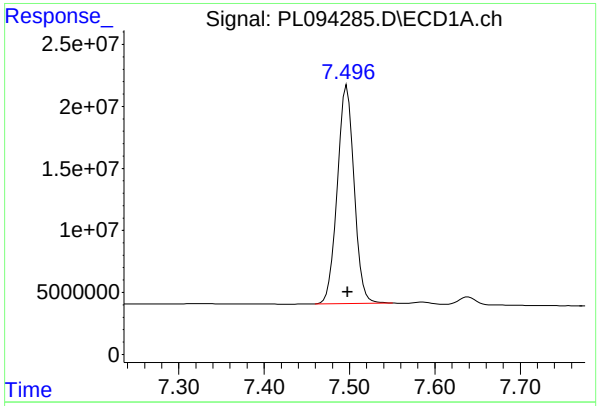
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: -0.003 min
Response: 4012740
Conc: 2.06 ng/ml



#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: -0.004 min
Response: 7168624
Conc: 2.35 ng/ml



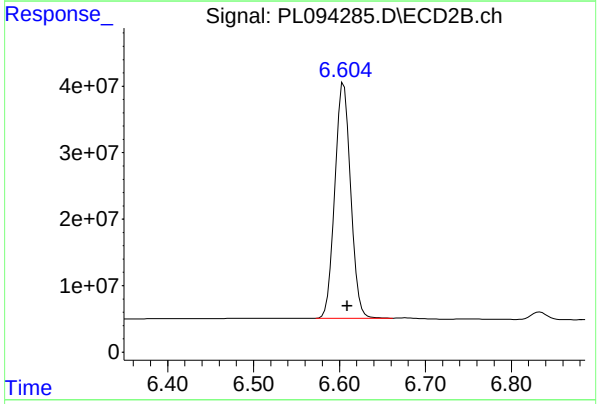
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.001 min
Response: 239605124
Conc: 229.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

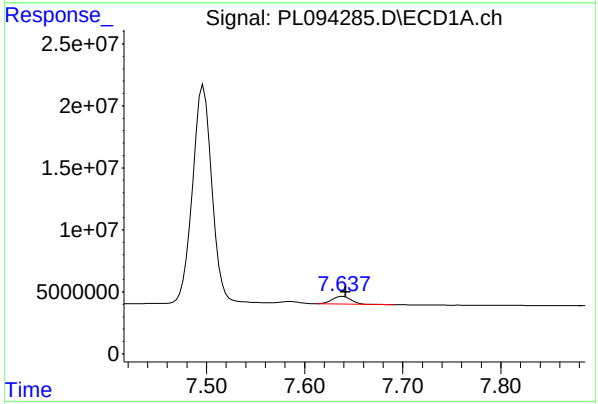
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



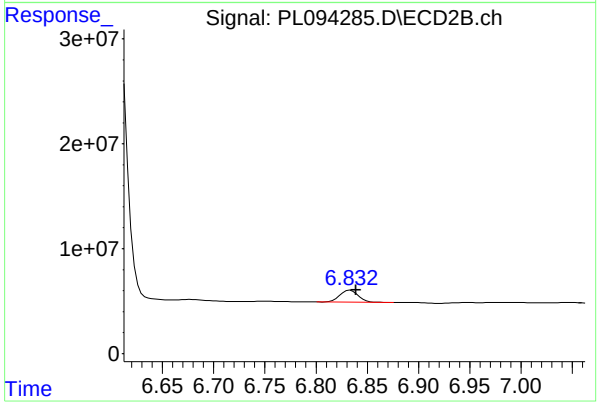
#20 Methoxychlor

R.T.: 6.605 min
Delta R.T.: -0.004 min
Response: 452308530
Conc: 252.95 ng/ml



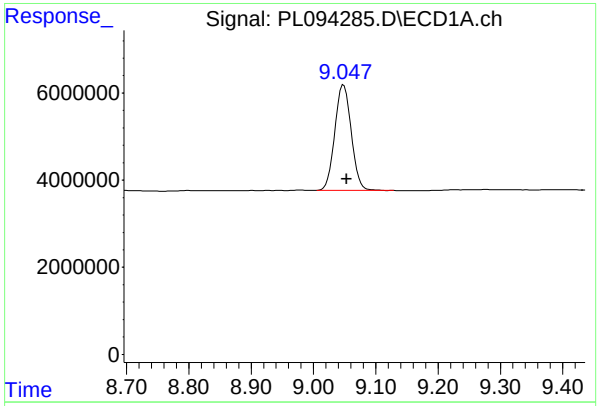
#21 Endrin ketone

R.T.: 7.639 min
Delta R.T.: -0.003 min
Response: 8285266
Conc: 3.28 ng/ml



#21 Endrin ketone

R.T.: 6.833 min
Delta R.T.: -0.006 min
Response: 14407255
Conc: 3.43 ng/ml



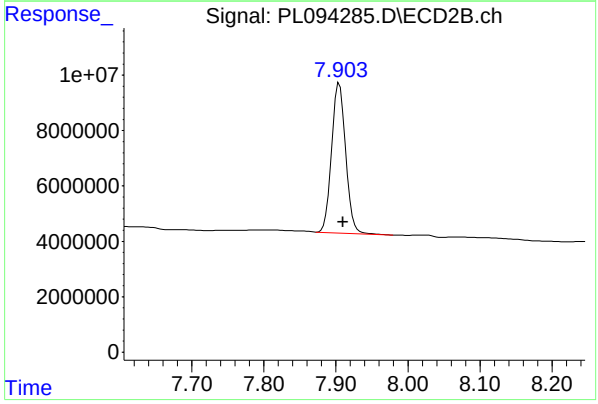
#28 Decachlorobiphenyl

R.T.: 9.048 min
Delta R.T.: -0.005 mi
Response: 44464533
Conc: 21.26 ng/m

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 72770044
Conc: 20.77 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No. (PEM): PEM - PL094292.D **Date Analyzed:** 02/20/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:02

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.059	8.960	9.160	22.780	20.000	13.9
Tetrachloro-m-xylene	3.542	3.490	3.590	20.950	20.000	4.8
alpha-BHC	3.998	3.950	4.050	10.870	10.000	8.7
beta-BHC	4.529	4.480	4.580	10.970	10.000	9.7
gamma-BHC (Lindane)	4.330	4.280	4.380	10.790	10.000	7.9
Endrin	6.575	6.500	6.650	45.510	50.000	-9.0
4,4'-DDT	7.027	6.960	7.100	98.350	100.000	-1.7
Methoxychlor	7.503	7.430	7.570	232.820	250.000	-6.9

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No. (PEM): PEM - PL094292.D **Date Analyzed:** 02/20/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:02

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.908	7.810	8.010	22.420	20.000	12.1
Tetrachloro-m-xylene	2.771	2.720	2.820	20.690	20.000	3.5
alpha-BHC	3.273	3.220	3.320	9.960	10.000	-0.4
beta-BHC	3.904	3.850	3.950	11.350	10.000	13.5
gamma-BHC (Lindane)	3.604	3.550	3.650	9.640	10.000	-3.6
Endrin	5.634	5.560	5.700	49.180	50.000	-1.6
4,4'-DDT	6.032	5.960	6.100	113.820	100.000	13.8
Methoxychlor	6.607	6.540	6.680	253.270	250.000	1.3

PEM

Data File: PL094292.D **Date Acquired** 2/20/2025 10:02

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.58	106711157.7	121727609.4	15016451.7	**12.34**
Endrin aldehyde	6.93	4723790.841			
Endrin ketone	7.65	10292660.83			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.63	181616720.8	206666325.3	25049604.5	**12.12**
Endrin aldehyde #2	6.11	8792203.658			
Endrin ketone #2	6.84	16257400.85			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.03	193958763.7	203005954	9047190.3	**4.46**
4,4'-DDE	6.19	476925.794			
4,4'-DDD	6.71	8570264.502			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	370364627.3	384279847.2	13915219.9	**3.62**
4,4'-DDE #2	5.23	761606.336			
4,4'-DDD #2	5.78	13153613.56			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094292.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 10:02
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:33:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.542	2.771	56416408	67543630	20.951	20.693
28)	SA Decachlor...	9.059	7.908	47651787	78562498	22.779	22.420
	Target Compounds						
2)	A alpha-BHC	3.998	3.273	41685552	48678675	10.873	9.957
3)	MA gamma-BHC...	4.330	3.604	39720560	45682319	10.785	9.635
6)	B beta-BHC	4.529	3.904	17629141	22663533	10.968	11.346
12)	B 4,4'-DDE	6.192	5.227	476926	761606	0.196m	0.190m
14)	MA Endrin	6.575	5.634	106.7E6	181.6E6	45.509m	49.183
16)	A 4,4'-DDD	6.711	5.783	8570265	13153614	4.509m	4.167
17)	MA 4,4'-DDT	7.027	6.032	194.0E6	370.4E6	98.354	113.817
18)	B Endrin al...	6.927	6.108	4723791	8792204	2.430	2.888
20)	A Methoxychlor	7.503	6.607	242.9E6	452.9E6	232.822	253.269
21)	B Endrin ke...	7.645	6.836	10292661	16257401	4.080	3.875

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

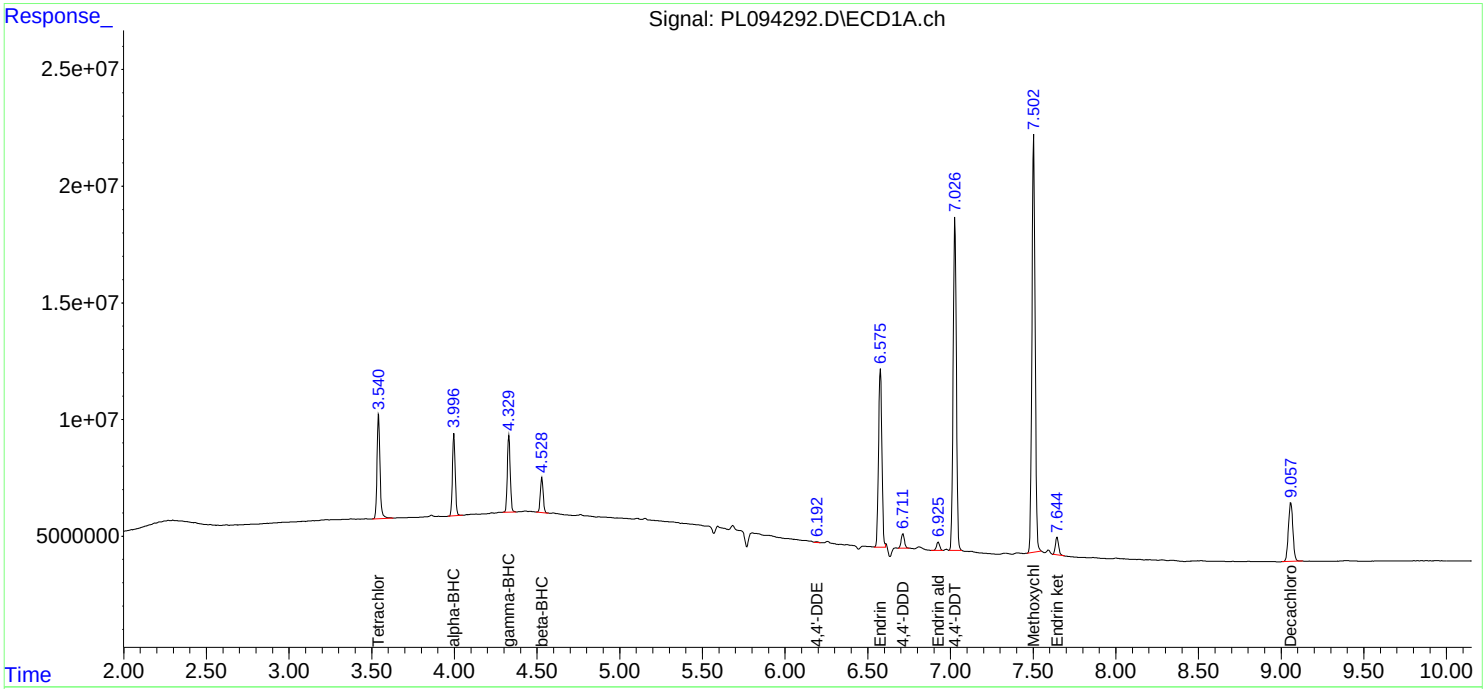
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094292.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 10:02
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

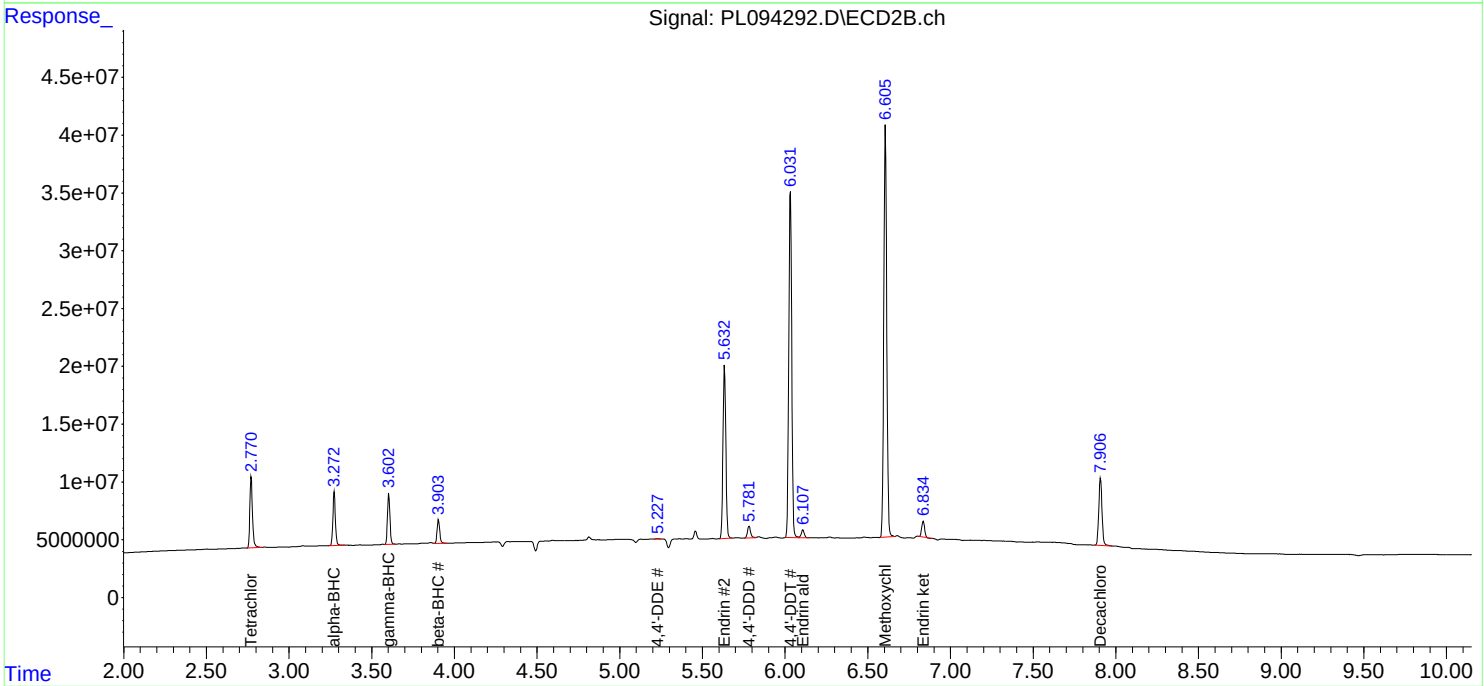
Instrument :
ECD_L
ClientSampleId :
PEM

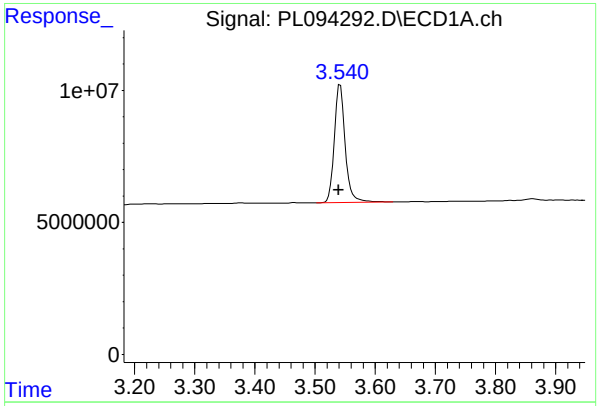
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:33:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







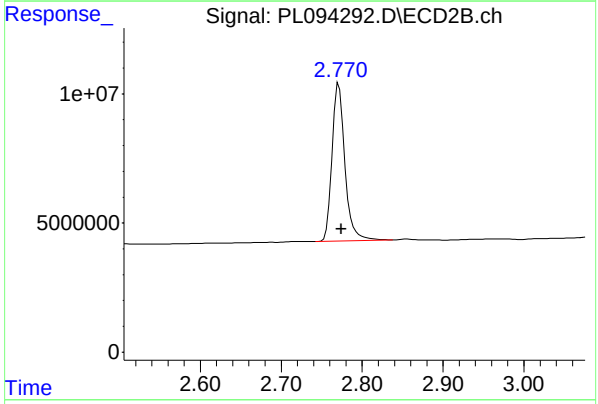
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: 0.003 min
Response: 56416408
Conc: 20.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

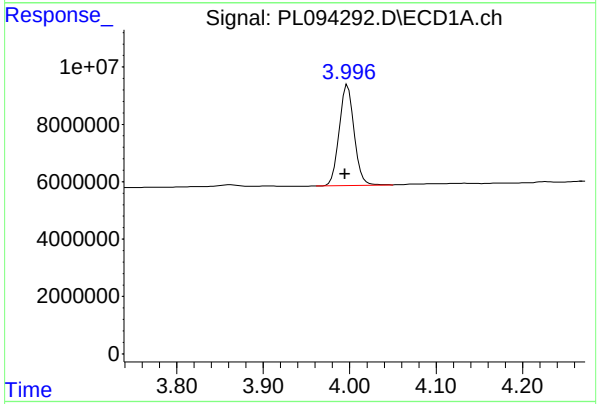
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



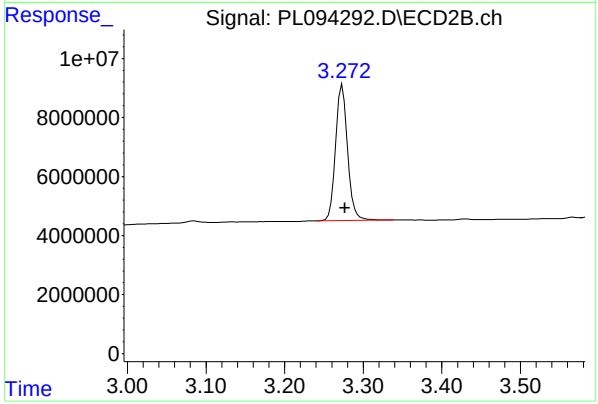
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 67543630
Conc: 20.69 ng/ml



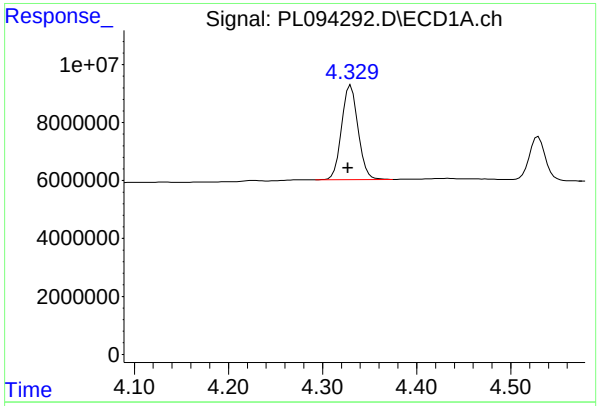
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.003 min
Response: 41685552
Conc: 10.87 ng/ml



#2 alpha-BHC

R.T.: 3.273 min
Delta R.T.: -0.003 min
Response: 48678675
Conc: 9.96 ng/ml



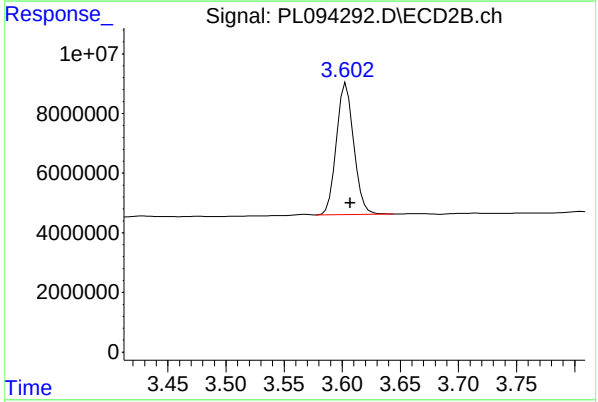
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.003 min
Response: 39720560
Conc: 10.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

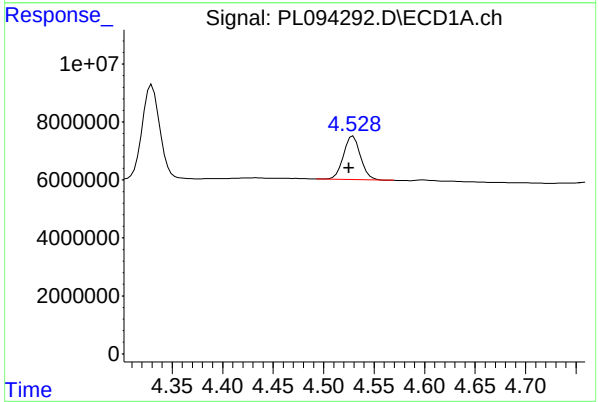
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



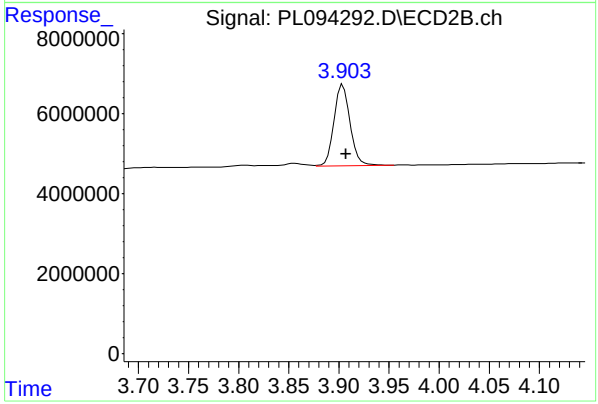
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: -0.003 min
Response: 45682319
Conc: 9.64 ng/ml



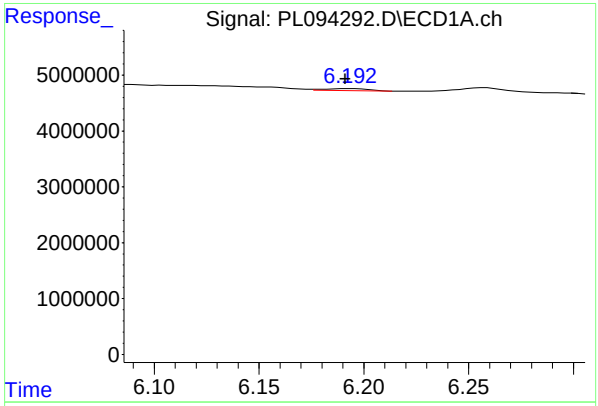
#6 beta-BHC

R.T.: 4.529 min
Delta R.T.: 0.004 min
Response: 17629141
Conc: 10.97 ng/ml



#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 22663533
Conc: 11.35 ng/ml



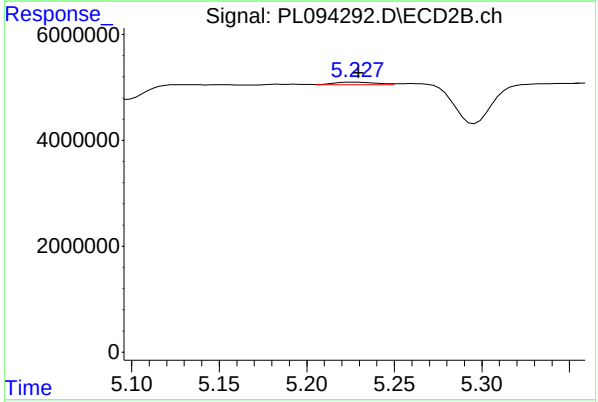
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.001 mi
Response: 476926
Conc: 0.20 ng/m

Instrument :
ECD_L
ClientSampleId :
PEM

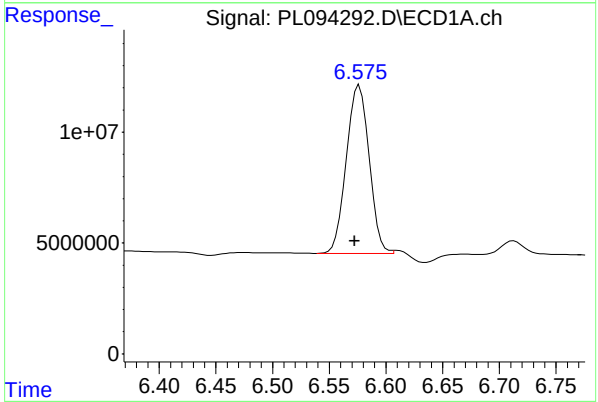
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



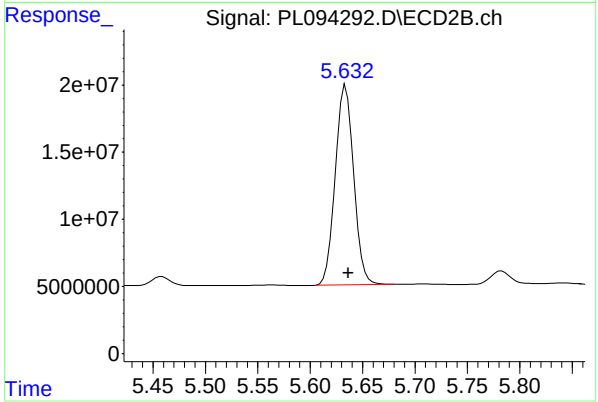
#12 4,4'-DDE

R.T.: 5.227 min
Delta R.T.: -0.002 min
Response: 761606
Conc: 0.19 ng/ml m



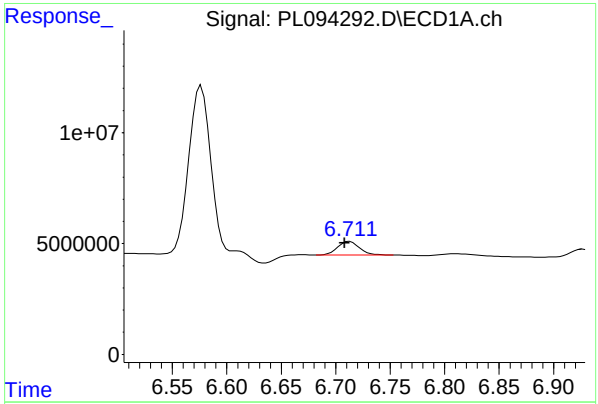
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.003 min
Response: 106711158
Conc: 45.51 ng/ml m



#14 Endrin

R.T.: 5.634 min
Delta R.T.: -0.003 min
Response: 181616721
Conc: 49.18 ng/ml



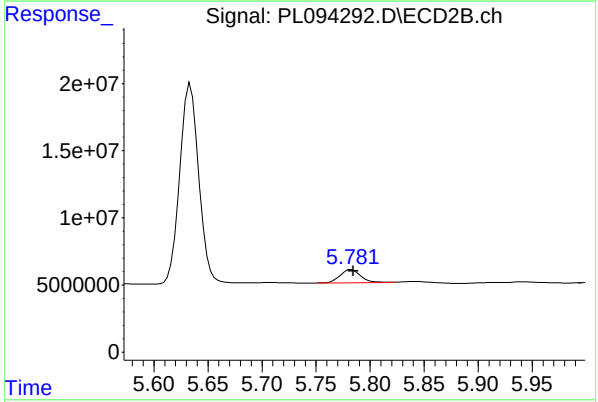
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.003 min
Response: 8570265
Conc: 4.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

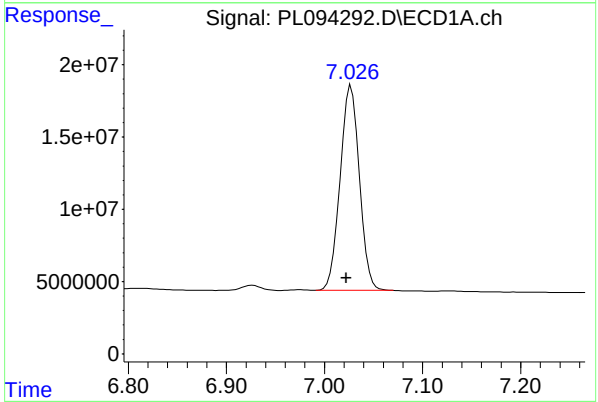
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



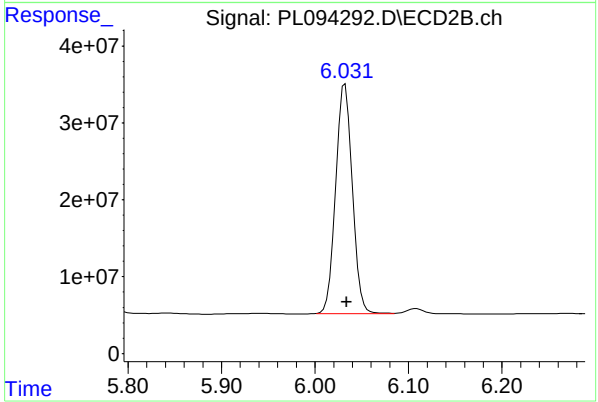
#16 4,4'-DDD

R.T.: 5.783 min
Delta R.T.: -0.002 min
Response: 13153614
Conc: 4.17 ng/ml



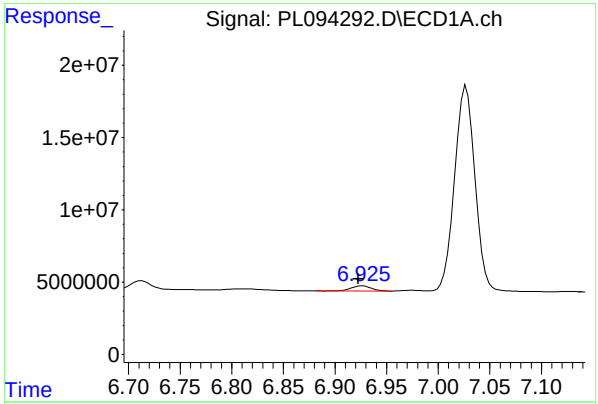
#17 4,4'-DDT

R.T.: 7.027 min
Delta R.T.: 0.005 min
Response: 193958764
Conc: 98.35 ng/ml



#17 4,4'-DDT

R.T.: 6.032 min
Delta R.T.: -0.002 min
Response: 370364627
Conc: 113.82 ng/ml



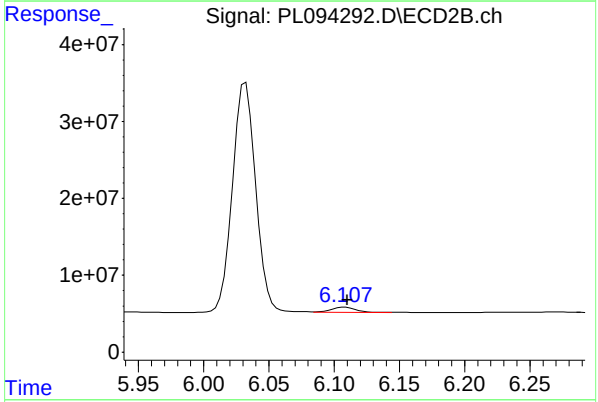
#18 Endrin aldehyde

R.T.: 6.927 min
Delta R.T.: 0.004 min
Response: 4723791
Conc: 2.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

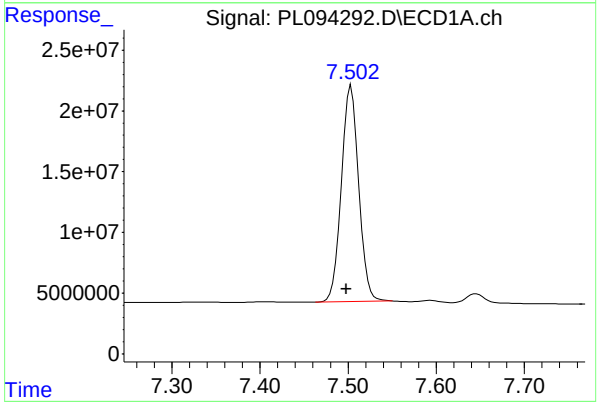
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



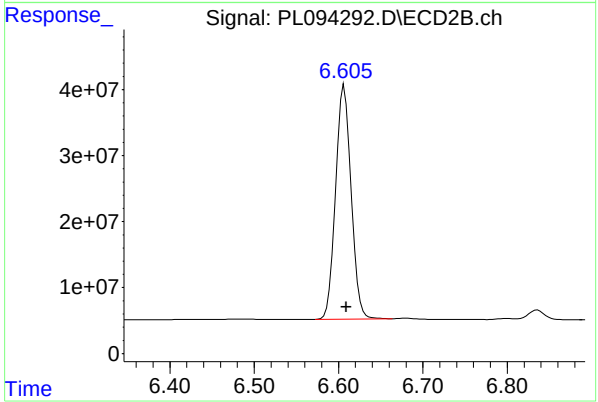
#18 Endrin aldehyde

R.T.: 6.108 min
Delta R.T.: -0.002 min
Response: 8792204
Conc: 2.89 ng/ml



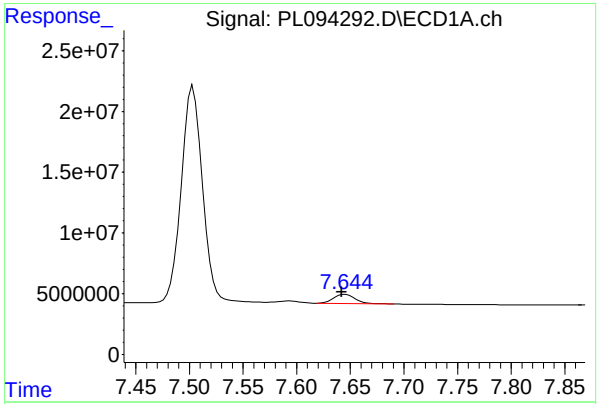
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.006 min
Response: 242925780
Conc: 232.82 ng/ml



#20 Methoxychlor

R.T.: 6.607 min
Delta R.T.: -0.003 min
Response: 452879008
Conc: 253.27 ng/ml



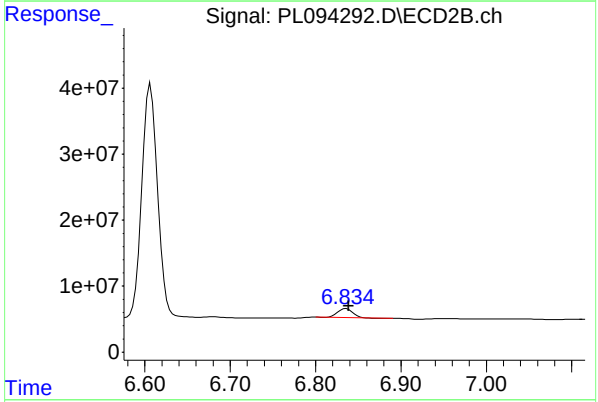
#21 Endrin ketone

R.T.: 7.645 min
Delta R.T.: 0.003 min
Response: 10292661
Conc: 4.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

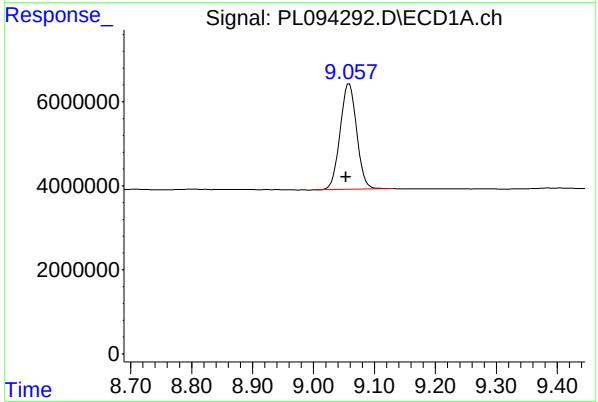
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/21/2025



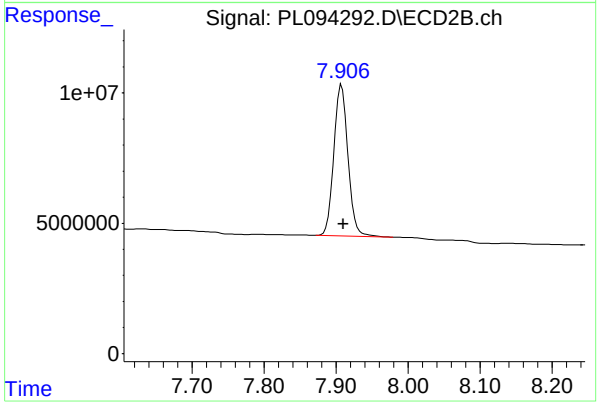
#21 Endrin ketone

R.T.: 6.836 min
Delta R.T.: -0.003 min
Response: 16257401
Conc: 3.88 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: 0.006 min
Response: 47651787
Conc: 22.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.908 min
Delta R.T.: -0.002 min
Response: 78562498
Conc: 22.42 ng/ml

Chromatographic Resolution Report

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093727.D
Acq On : 21 Jan 2025 10:43
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e

Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Title : GC Extractables
Last Update : Tue Jan 21 14:02:23 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.539	5.939	100.00%
5.939	6.068	100.00%
6.068	6.191	100.00%
6.191	6.343	100.00%
6.343	7.157	100.00%
7.157	7.499	100.00%
7.499	7.642	100.00%
7.642	9.053	100.00%

Signal #2

2.774	4.977	100.00%
4.977	5.097	100.00%
5.097	5.230	100.00%
5.230	5.361	100.00%
5.361	6.333	100.00%
6.333	6.609	100.00%
6.609	6.838	100.00%
6.838	7.910	100.00%

PL012125.M Tue Jan 21 14:11:38 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093727.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:43
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:04:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.539	2.774	48739758	56764042	18.100	17.390
28)	SA Decachlor...	9.053	7.910	37826748	61983547	18.082	17.689
	Target Compounds						
9)	A Endosulfan I	6.068	5.097	24505533	31106405	9.272	8.023
10)	B gamma-Chl...	5.939	4.977	26686746	36721665	9.574	8.666
12)	B 4,4'-DDE	6.191	5.230	45047667	71134812	18.503	17.742
13)	MA Dieldrin	6.343	5.361	50553851	73721045	18.212	17.162
19)	B Endosulfa...	7.157	6.333	42219467	62907773	18.650	17.641
20)	A Methoxychlor	7.499	6.609	83993166	151.6E6	80.500	84.806
21)	B Endrin ke...	7.642	6.838	44318803	70010295	17.569	16.688

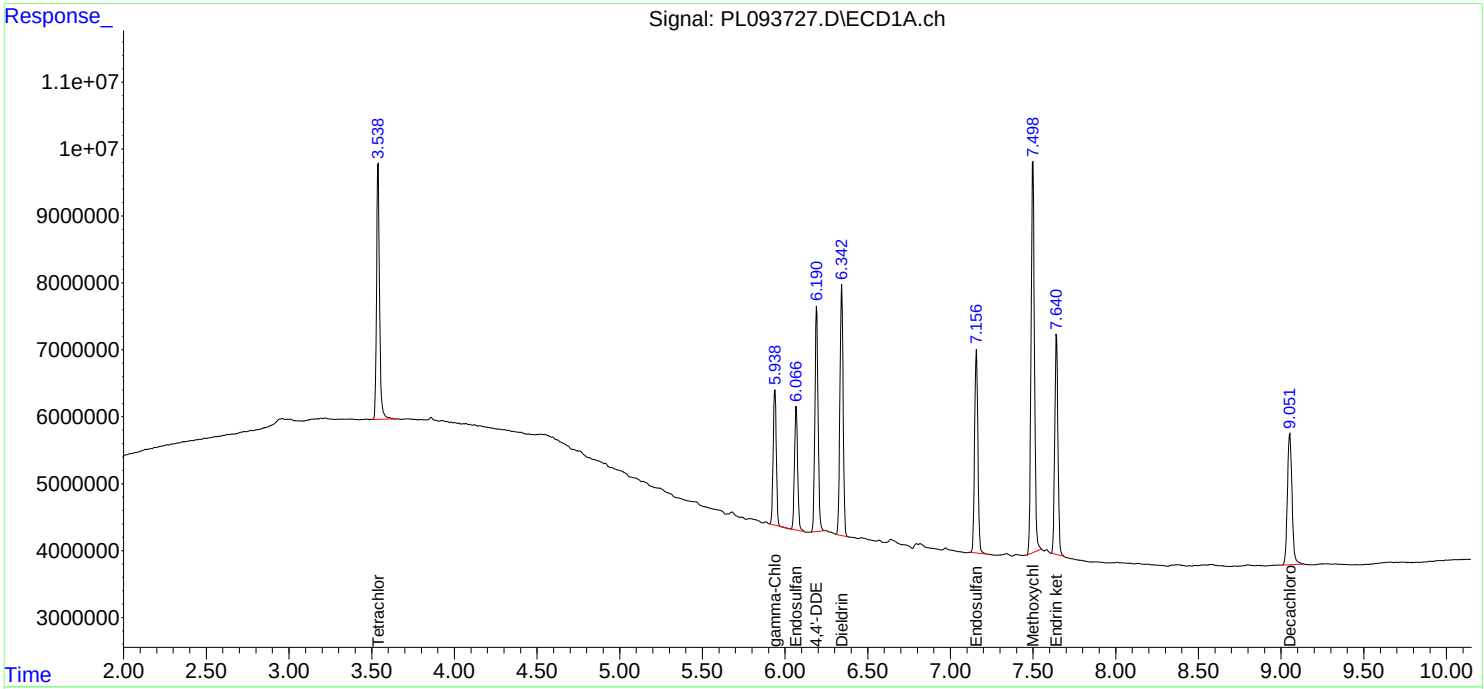
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

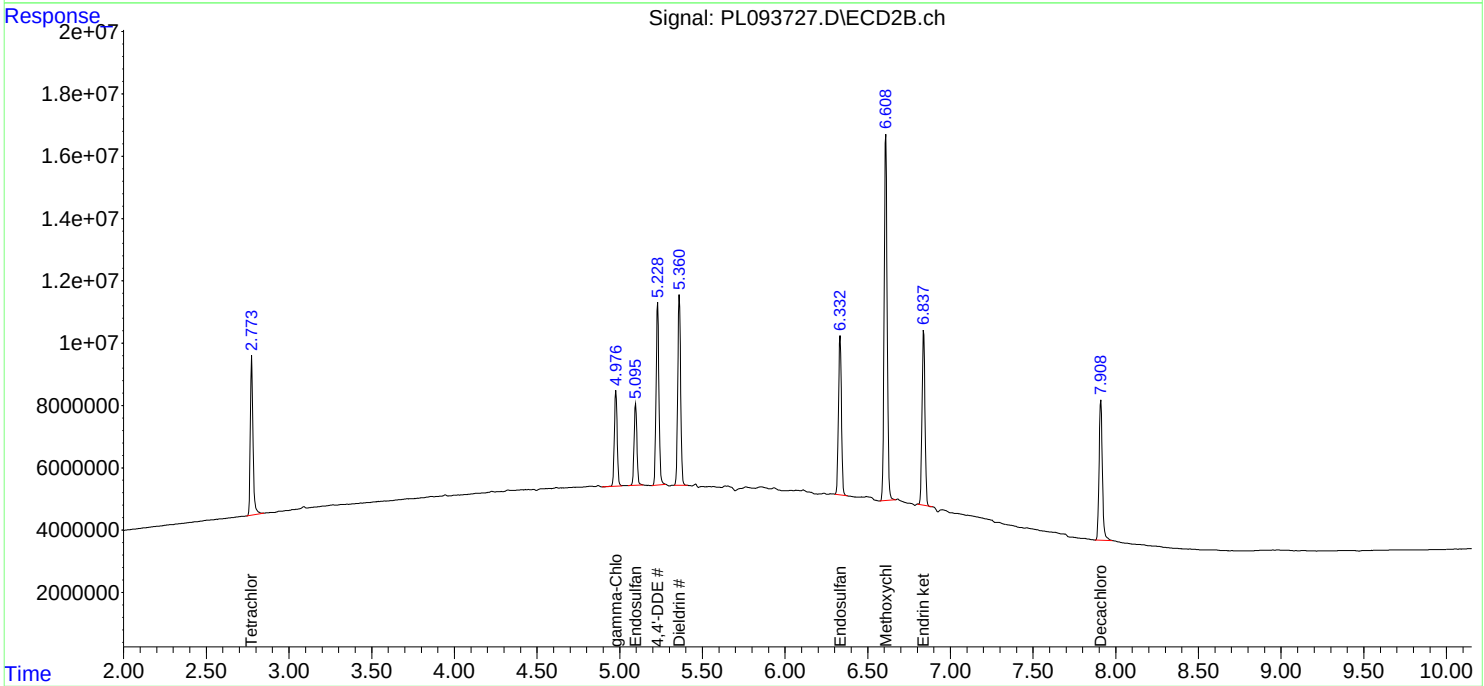
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093727.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:43
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

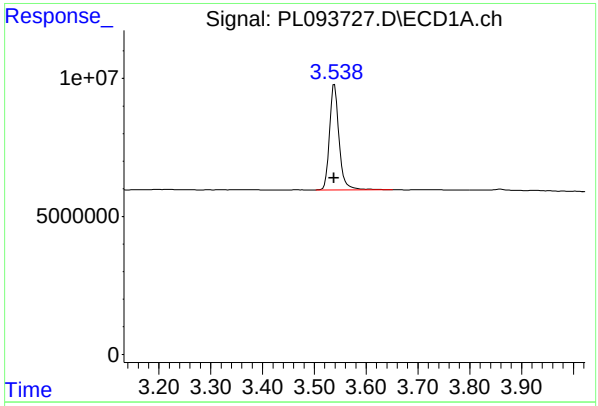
Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:04:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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



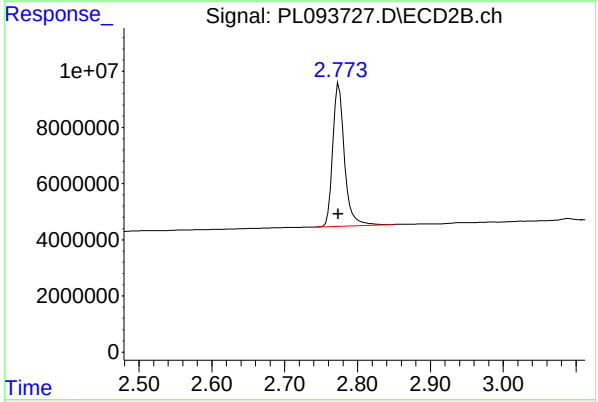




#1 Tetrachloro-m-xylene

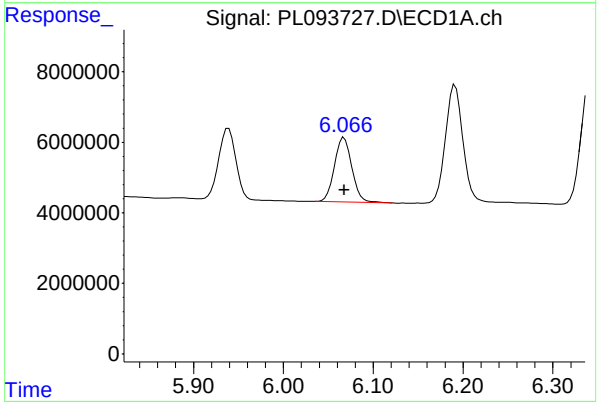
R.T.: 3.539 min
Delta R.T.: 0.001 min
Response: 48739758
Conc: 18.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



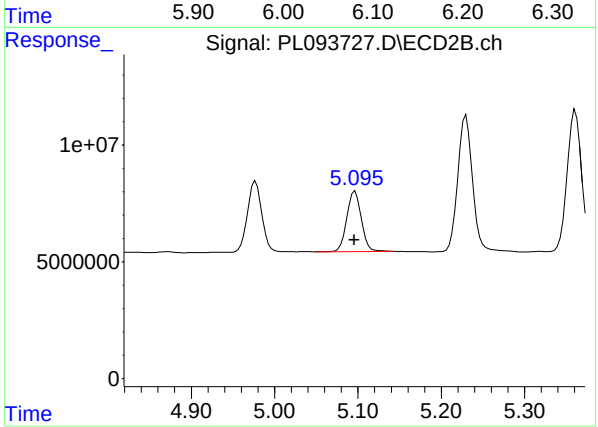
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 56764042
Conc: 17.39 ng/ml



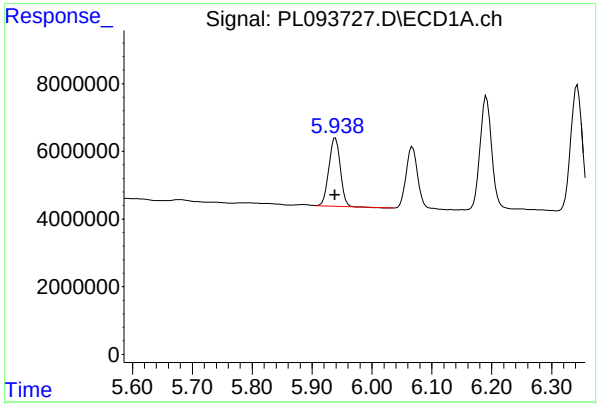
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 24505533
Conc: 9.27 ng/ml



#9 Endosulfan I

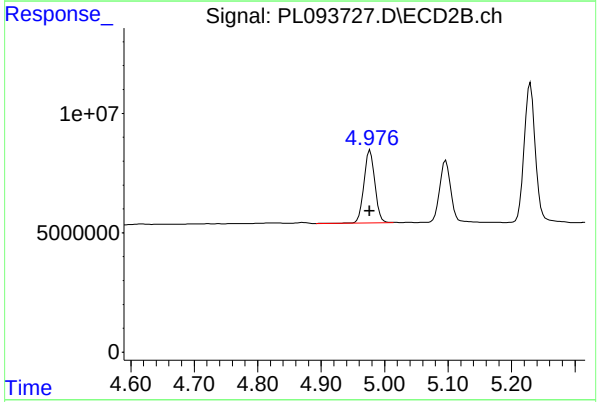
R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 31106405
Conc: 8.02 ng/ml



#10 gamma-Chlordane

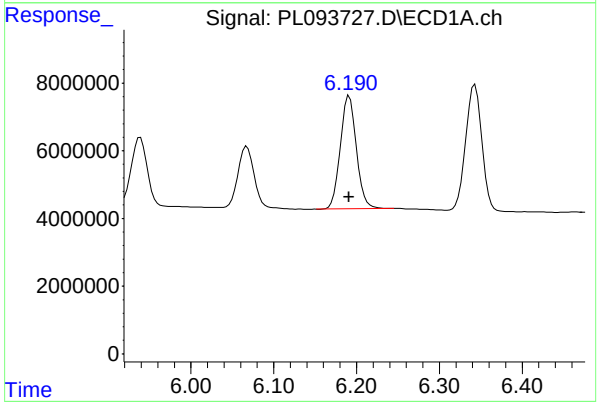
R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 26686746
Conc: 9.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



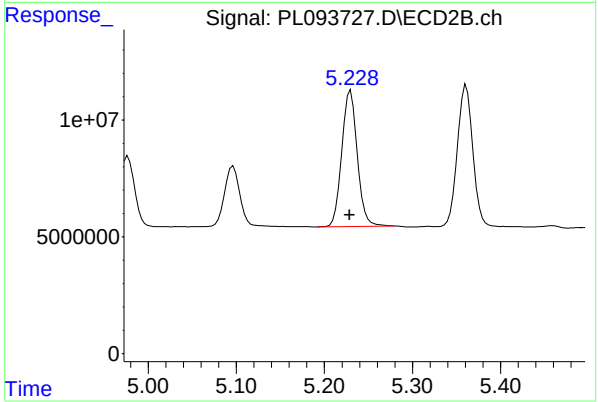
#10 gamma-Chlordane

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 36721665
Conc: 8.67 ng/ml



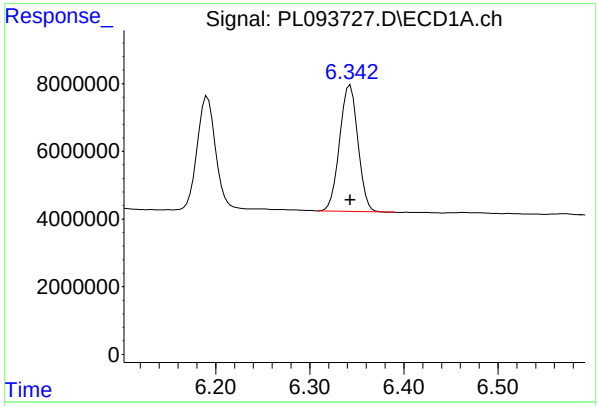
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 45047667
Conc: 18.50 ng/ml



#12 4,4'-DDE

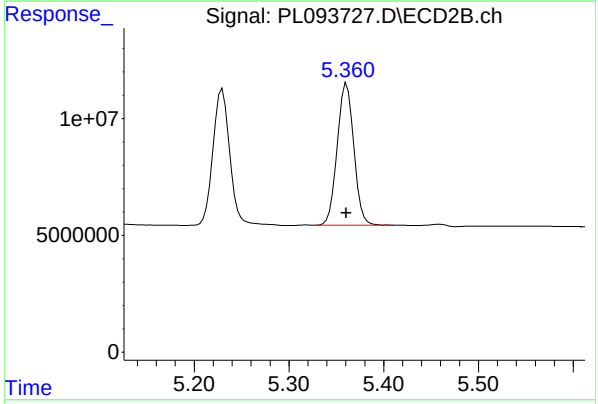
R.T.: 5.230 min
Delta R.T.: 0.001 min
Response: 71134812
Conc: 17.74 ng/ml



#13 Dieldrin

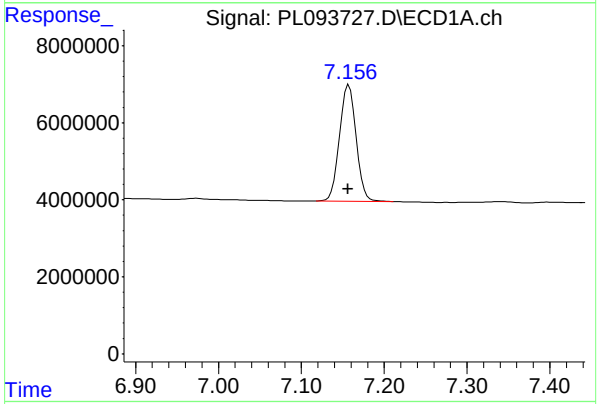
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 50553851
Conc: 18.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



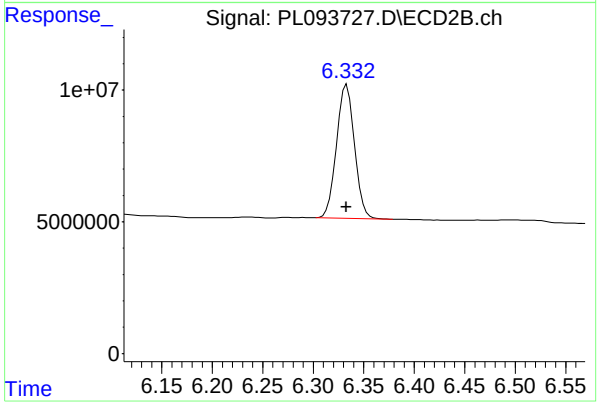
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 73721045
Conc: 17.16 ng/ml



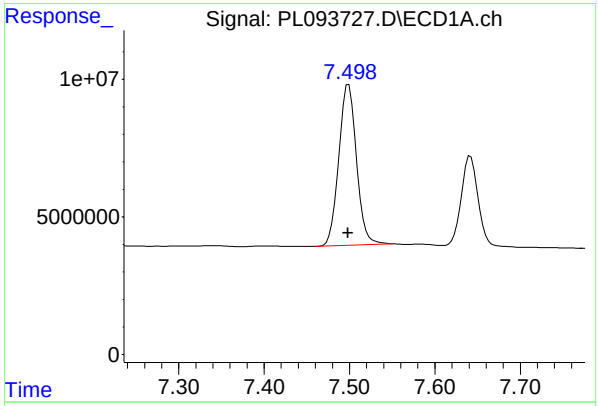
#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: 0.001 min
Response: 42219467
Conc: 18.65 ng/ml



#19 Endosulfan Sulfate

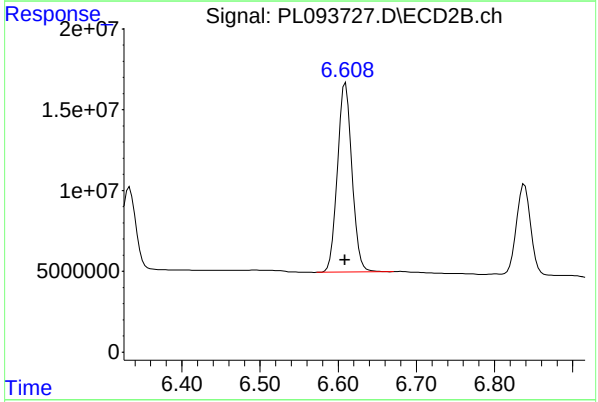
R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 62907773
Conc: 17.64 ng/ml



#20 Methoxychlor

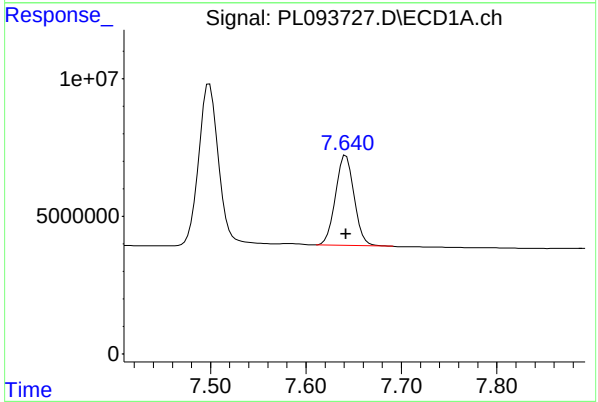
R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 83993166
Conc: 80.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



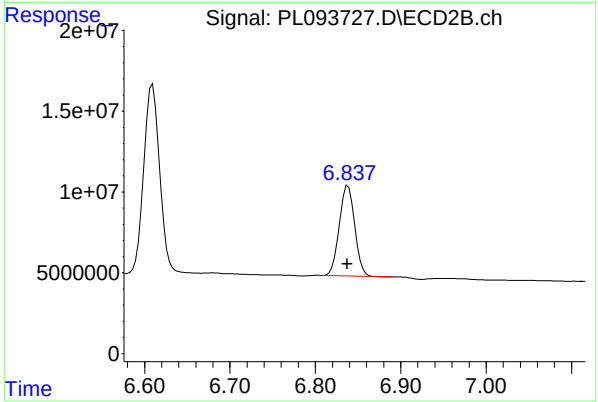
#20 Methoxychlor

R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 151645256
Conc: 84.81 ng/ml



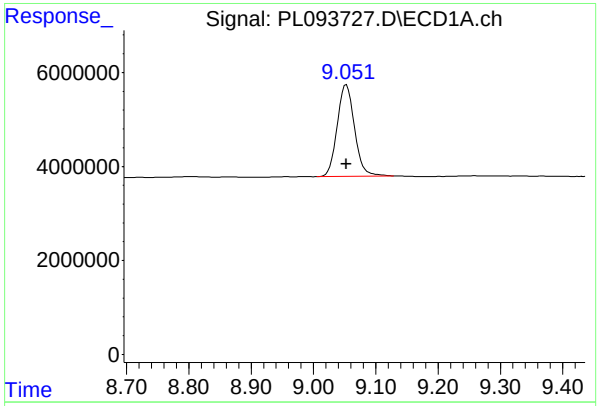
#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 44318803
Conc: 17.57 ng/ml



#21 Endrin ketone

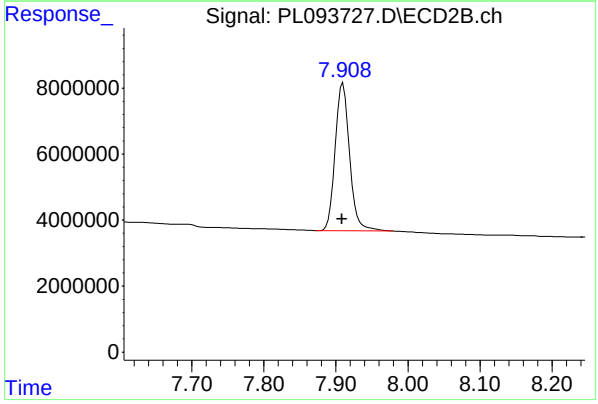
R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 70010295
Conc: 16.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 mi
Response: 37826748
Conc: 18.08 ng/m

Instrument :
ECD_L
ClientSampleId :
RESCHK



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.001 min
Response: 61983547
Conc: 17.69 ng/ml

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q1383

Project: Raymark Superfund Site **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 01/21/2025 01/21/2025

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 #
I.BLK	I.BLK	01/21/2025	10:16	PL093725.D	9.05	3.54
PEM	PEM	01/21/2025	10:30	PL093726.D	9.05	3.54
RESCHK	RESCHK	01/21/2025	10:43	PL093727.D	9.05	3.54
PSTDICC100	PSTDICC100	01/21/2025	10:57	PL093728.D	9.05	3.54
PSTDICC075	PSTDICC075	01/21/2025	11:10	PL093729.D	9.05	3.54
PSTDICC050	PSTDICC050	01/21/2025	11:24	PL093730.D	9.05	3.54
PSTDICC025	PSTDICC025	01/21/2025	11:38	PL093731.D	9.05	3.54
PSTDICC005	PSTDICC005	01/21/2025	11:51	PL093732.D	9.05	3.54
PCHLORICC500	PCHLORICC500	01/21/2025	12:32	PL093735.D	9.05	3.54
PTOXICC500	PTOXICC500	01/21/2025	13:39	PL093740.D	9.05	3.54
PEM	PEM	02/19/2025	11:39	PL094256.D	9.05	3.54
I.BLK	I.BLK	02/19/2025	17:33	PL094270.D	9.05	3.54
PSTDCCC050	PSTDCCC050	02/19/2025	17:47	PL094271.D	9.05	3.54
OU4-PCS-TC-11-021725	Q1383-01	02/19/2025	20:16	PL094282.D	9.05	3.54
OU4-PCS-TC-11-021725MS	Q1383-01MS	02/19/2025	20:29	PL094283.D	9.05	3.54
I.BLK	I.BLK	02/19/2025	20:43	PL094284.D	9.05	3.54
PEM	PEM	02/19/2025	20:57	PL094285.D	9.05	3.54
PSTDCCC050	PSTDCCC050	02/19/2025	21:10	PL094286.D	9.05	3.54
OU4-PCS-TC-11-021725MSD	Q1383-01MSD	02/20/2025	08:29	PL094287.D	9.06	3.54
I.BLK	I.BLK	02/20/2025	08:43	PL094288.D	9.06	3.54
PSTDCCC050	PSTDCCC050	02/20/2025	08:56	PL094289.D	9.05	3.54
I.BLK	I.BLK	02/20/2025	09:42	PL094291.D	9.05	3.54
PEM	PEM	02/20/2025	10:02	PL094292.D	9.06	3.54
PSTDCCC050	PSTDCCC050	02/20/2025	10:16	PL094293.D	9.05	3.54
OU4-PCS-TC-12-021725	Q1383-03	02/20/2025	10:29	PL094294.D	9.05	3.54
OU4-PCS-TC-13-021725	Q1383-05	02/20/2025	10:43	PL094295.D	9.05	3.54
OU4-PCS-TC-14-021725	Q1383-07	02/20/2025	10:57	PL094296.D	9.05	3.54
OU4-PCS-TC-15-021725	Q1383-09	02/20/2025	11:11	PL094297.D	9.05	3.54
OU4-PCS-TC-16-021725	Q1383-11	02/20/2025	11:24	PL094298.D	9.05	3.54
OU4-PCS-TC-17-021725	Q1383-13	02/20/2025	11:38	PL094299.D	9.05	3.54
OU4-PCS-TC-18-021725	Q1383-15	02/20/2025	11:52	PL094300.D	9.05	3.54
OU4-PCS-TC-19-021725	Q1383-17	02/20/2025	12:06	PL094301.D	9.05	3.54
OU4-PCS-TC-20-021725	Q1383-19	02/20/2025	12:19	PL094302.D	9.06	3.55
OU4-CF-15-021725	Q1383-21	02/20/2025	12:33	PL094303.D	9.05	3.54
I.BLK	I.BLK	02/20/2025	12:47	PL094304.D	9.05	3.54
PSTDCCC050	PSTDCCC050	02/20/2025	13:00	PL094305.D	9.05	3.54
PB166775BL	PB166775BL	02/20/2025	16:08	PL094308.D	9.06	3.54
PB166775BS	PB166775BS	02/20/2025	16:21	PL094309.D	9.06	3.54
I.BLK	I.BLK	02/20/2025	17:58	PL094312.D	9.06	3.54
PSTDCCC050	PSTDCCC050	02/20/2025	18:12	PL094313.D	9.05	3.54

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q1383

Project: Raymark Superfund Site **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 01/21/2025 01/21/2025

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 #
I.BLK	I.BLK	01/21/2025	10:16	PL093725.D	7.91	2.78
PEM	PEM	01/21/2025	10:30	PL093726.D	7.91	2.78
RESCHK	RESCHK	01/21/2025	10:43	PL093727.D	7.91	2.77
PSTDICC100	PSTDICC100	01/21/2025	10:57	PL093728.D	7.91	2.78
PSTDICC075	PSTDICC075	01/21/2025	11:10	PL093729.D	7.91	2.77
PSTDICC050	PSTDICC050	01/21/2025	11:24	PL093730.D	7.91	2.77
PSTDICC025	PSTDICC025	01/21/2025	11:38	PL093731.D	7.91	2.77
PSTDICC005	PSTDICC005	01/21/2025	11:51	PL093732.D	7.91	2.77
PCHLORICC500	PCHLORICC500	01/21/2025	12:32	PL093735.D	7.91	2.77
PTOXICC500	PTOXICC500	01/21/2025	13:39	PL093740.D	7.91	2.77
PEM	PEM	02/19/2025	11:39	PL094256.D	7.90	2.77
I.BLK	I.BLK	02/19/2025	17:33	PL094270.D	7.91	2.77
PSTDCCC050	PSTDCCC050	02/19/2025	17:47	PL094271.D	7.91	2.77
OU4-PCS-TC-11-021725	Q1383-01	02/19/2025	20:16	PL094282.D	7.91	2.77
OU4-PCS-TC-11-021725MS	Q1383-01MS	02/19/2025	20:29	PL094283.D	7.91	2.77
I.BLK	I.BLK	02/19/2025	20:43	PL094284.D	7.91	2.77
PEM	PEM	02/19/2025	20:57	PL094285.D	7.91	2.77
PSTDCCC050	PSTDCCC050	02/19/2025	21:10	PL094286.D	7.91	2.77
OU4-PCS-TC-11-021725MSD	Q1383-01MSD	02/20/2025	08:29	PL094287.D	7.91	2.77
I.BLK	I.BLK	02/20/2025	08:43	PL094288.D	7.91	2.77
PSTDCCC050	PSTDCCC050	02/20/2025	08:56	PL094289.D	7.91	2.77
I.BLK	I.BLK	02/20/2025	09:42	PL094291.D	7.91	2.77
PEM	PEM	02/20/2025	10:02	PL094292.D	7.91	2.77
PSTDCCC050	PSTDCCC050	02/20/2025	10:16	PL094293.D	7.91	2.77
OU4-PCS-TC-12-021725	Q1383-03	02/20/2025	10:29	PL094294.D	7.91	2.77
OU4-PCS-TC-13-021725	Q1383-05	02/20/2025	10:43	PL094295.D	7.91	2.77
OU4-PCS-TC-14-021725	Q1383-07	02/20/2025	10:57	PL094296.D	7.91	2.77
OU4-PCS-TC-15-021725	Q1383-09	02/20/2025	11:11	PL094297.D	7.91	2.77
OU4-PCS-TC-16-021725	Q1383-11	02/20/2025	11:24	PL094298.D	7.91	2.77
OU4-PCS-TC-17-021725	Q1383-13	02/20/2025	11:38	PL094299.D	7.90	2.77
OU4-PCS-TC-18-021725	Q1383-15	02/20/2025	11:52	PL094300.D	7.91	2.77
OU4-PCS-TC-19-021725	Q1383-17	02/20/2025	12:06	PL094301.D	7.91	2.77
OU4-PCS-TC-20-021725	Q1383-19	02/20/2025	12:19	PL094302.D	7.91	2.77
OU4-CF-15-021725	Q1383-21	02/20/2025	12:33	PL094303.D	7.91	2.77
I.BLK	I.BLK	02/20/2025	12:47	PL094304.D	7.90	2.77
PSTDCCC050	PSTDCCC050	02/20/2025	13:00	PL094305.D	7.91	2.77
PB166775BL	PB166775BL	02/20/2025	16:08	PL094308.D	7.91	2.77
PB166775BS	PB166775BS	02/20/2025	16:21	PL094309.D	7.91	2.77
I.BLK	I.BLK	02/20/2025	17:58	PL094312.D	7.91	2.77
PSTDCCC050	PSTDCCC050	02/20/2025	18:12	PL094313.D	7.91	2.77

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
OU4-PCS-TC-11-021725MS

Contract: NOBI03
Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383
Lab Sample ID: Q1383-01MS **Date(s) Analyzed:** 02/19/2025 02/19/2025
Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L
GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.79	6.74	6.84	15.6	12.6
	2	5.93	5.88	5.98	17.7	
4,4'-DDD	1	6.71	6.66	6.76	17.3	0.6
	2	5.78	5.73	5.83	17.4	
4,4'-DDT	1	7.02	6.97	7.07	17.7	4.4
	2	6.03	5.98	6.08	18.5	
Endrin aldehyde	1	6.92	6.87	6.97	15.1	2.6
	2	6.11	6.06	6.16	15.5	
Endosulfan sulfate	1	7.16	7.11	7.21	15.7	6.2
	2	6.33	6.28	6.38	16.7	
Methoxychlor	1	7.50	7.45	7.55	17.7	2.9
	2	6.61	6.56	6.66	17.2	
Endrin ketone	1	7.64	7.59	7.69	15.6	4.4
	2	6.83	6.78	6.88	16.3	
alpha-BHC	1	3.99	3.94	4.04	14.9	6.5
	2	3.27	3.22	3.32	15.9	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	14.9	5.2
	2	3.60	3.55	3.65	15.7	
Heptachlor	1	4.91	4.86	4.96	16.3	1.2
	2	3.94	3.89	3.99	16.5	
Aldrin	1	5.25	5.20	5.30	15.5	1.9
	2	4.22	4.17	4.27	15.8	
beta-BHC	1	4.52	4.47	4.57	15.8	3.1
	2	3.90	3.85	3.95	16.3	
delta-BHC	1	4.77	4.72	4.82	15.4	1.3
	2	4.13	4.08	4.18	15.6	
Heptachlor epoxide	1	5.68	5.63	5.73	15.8	3.7
	2	4.72	4.67	4.77	16.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-PCS-TC-11-021725MS

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Lab Sample ID: Q1383-01MS **Date(s) Analyzed:** 02/19/2025 02/19/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	15.7	6.2
	2	5.09	5.04	5.14	16.7	
gamma-Chlordane	1	5.94	5.89	5.99	16.7	4.1
	2	4.97	4.92	5.02	17.4	
alpha-Chlordane	1	6.02	5.97	6.07	16.0	6.1
	2	5.04	4.99	5.09	17.0	
4,4'-DDE	1	6.19	6.14	6.24	17.3	1.7
	2	5.23	5.18	5.28	17.0	
Dieldrin	1	6.34	6.29	6.39	15.8	4.9
	2	5.36	5.31	5.41	16.6	
Endrin	1	6.57	6.52	6.62	16.3	7.7
	2	5.63	5.58	5.68	17.6	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
OU4-PCS-TC-11-021725MSD

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Lab Sample ID: Q1383-01MSD **Date(s) Analyzed:** 02/20/2025 02/20/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.50	7.45	7.55	18.7	8.9
	2	6.61	6.56	6.66	17.1	
Endrin ketone	1	7.65	7.60	7.70	16.0	1.9
	2	6.84	6.79	6.89	16.3	
alpha-BHC	1	4.00	3.95	4.05	15.2	4.5
	2	3.28	3.23	3.33	15.9	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	15.1	3.3
	2	3.61	3.56	3.66	15.6	
Heptachlor	1	4.92	4.87	4.97	16.4	0.6
	2	3.95	3.90	4.00	16.5	
Aldrin	1	5.26	5.21	5.31	15.6	1.3
	2	4.22	4.17	4.27	15.8	
beta-BHC	1	4.53	4.48	4.58	15.5	5
	2	3.91	3.86	3.96	16.3	
delta-BHC	1	4.78	4.73	4.83	15.9	1.3
	2	4.14	4.09	4.19	15.7	
Heptachlor epoxide	1	5.69	5.64	5.74	15.5	3.8
	2	4.73	4.68	4.78	16.1	
Endosulfan I	1	6.07	6.02	6.12	15.6	5
	2	5.10	5.05	5.15	16.4	
gamma-Chlordane	1	5.94	5.89	5.99	16.5	5.3
	2	4.98	4.93	5.03	17.4	
alpha-Chlordane	1	6.02	5.97	6.07	16.1	3.7
	2	5.04	4.99	5.09	16.7	
4,4'-DDE	1	6.20	6.15	6.25	17.1	1.2
	2	5.23	5.18	5.28	17.3	
Dieldrin	1	6.35	6.30	6.40	15.8	5.5
	2	5.36	5.31	5.41	16.7	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-PCS-TC-11-021725MSD

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Lab Sample ID: Q1383-01MSD **Date(s) Analyzed:** 02/20/2025 02/20/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin	1	6.58	6.53	6.63	16.1	7.8
	2	5.64	5.59	5.69	17.4	
Endosulfan II	1	6.80	6.75	6.85	15.7	10.3
	2	5.93	5.88	5.98	17.4	
4,4'-DDD	1	6.71	6.66	6.76	17.6	3.5
	2	5.79	5.74	5.84	17.0	
4,4'-DDT	1	7.03	6.98	7.08	16.9	9.6
	2	6.03	5.98	6.08	18.6	
Endrin aldehyde	1	6.93	6.88	6.98	15.1	7
	2	6.11	6.06	6.16	16.2	
Endosulfan sulfate	1	7.16	7.11	7.21	15.9	0.6
	2	6.33	6.28	6.38	16.0	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PB166775BS

Contract: NOBI03
Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383
Lab Sample ID: PB166775BS **Date(s) Analyzed:** 02/20/2025 02/20/2025
Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L
GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	19.0	4.1
	2	5.78	5.73	5.83	19.8	
4,4'-DDE	1	6.19	6.14	6.24	18.6	0.5
	2	5.23	5.18	5.28	18.7	
4,4'-DDT	1	7.02	6.97	7.07	17.8	4.4
	2	6.03	5.98	6.08	18.6	
alpha-BHC	1	4.00	3.95	4.05	16.1	5.4
	2	3.28	3.23	3.33	17.0	
Aldrin	1	5.26	5.21	5.31	16.8	1.8
	2	4.22	4.17	4.27	17.1	
alpha-Chlordane	1	6.02	5.97	6.07	17.5	4.5
	2	5.04	4.99	5.09	18.3	
Endosulfan II	1	6.79	6.74	6.84	17.1	9.5
	2	5.93	5.88	5.98	18.8	
Endosulfan sulfate	1	7.16	7.11	7.21	16.9	10.6
	2	6.33	6.28	6.38	18.8	
beta-BHC	1	4.53	4.48	4.58	16.5	4.2
	2	3.91	3.86	3.96	17.2	
delta-BHC	1	4.77	4.72	4.82	16.4	0
	2	4.13	4.08	4.18	16.4	
Endosulfan I	1	6.07	6.02	6.12	17.2	6.2
	2	5.10	5.05	5.15	18.3	
Dieldrin	1	6.34	6.29	6.39	17.2	4.5
	2	5.36	5.31	5.41	18.0	
Endrin aldehyde	1	6.92	6.87	6.97	17.1	6.2
	2	6.11	6.06	6.16	18.2	
Methoxychlor	1	7.50	7.45	7.55	16.9	6.3
	2	6.61	6.56	6.66	18.0	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166775BS

Contract: NOBI03

Lab Code: CHEM **Case No.:** Q1383 **SAS No.:** Q1383 **SDG NO.:** Q1383

Lab Sample ID: PB166775BS **Date(s) Analyzed:** 02/20/2025 02/20/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.64	7.59	7.69	17.6	11.3
	2	6.84	6.79	6.89	19.7	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.0	4.3
	2	3.61	3.56	3.66	16.7	
Heptachlor	1	4.92	4.87	4.97	17.2	2.3
	2	3.94	3.89	3.99	17.6	
Heptachlor epoxide	1	5.68	5.63	5.73	16.8	5.2
	2	4.73	4.68	4.78	17.7	
gamma-Chlordane	1	5.94	5.89	5.99	17.5	5.6
	2	4.98	4.93	5.03	18.5	
Endrin	1	6.57	6.52	6.62	15.3	9.9
	2	5.63	5.58	5.68	16.9	

QC SAMPLE DATA

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Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB166775BL	SDG No.:	Q1383
Lab Sample ID:	PB166775BL	Matrix:	SOIL
Analytical Method:	SW8081	% 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
PL094308.D	1	02/19/25 09:40	02/20/25 16:08	PB166775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00083	U	0.00018	0.00083	0.0017	mg/Kg
319-85-7	beta-BHC	0.00083	U	0.00049	0.00083	0.0017	mg/Kg
319-86-8	delta-BHC	0.00083	U	0.00047	0.00083	0.0017	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00083	U	0.00019	0.00083	0.0017	mg/Kg
76-44-8	Heptachlor	0.00083	U	0.00017	0.00083	0.0017	mg/Kg
309-00-2	Aldrin	0.00083	U	0.00014	0.00083	0.0017	mg/Kg
1024-57-3	Heptachlor epoxide	0.00083	U	0.00023	0.00083	0.0017	mg/Kg
959-98-8	Endosulfan I	0.00083	U	0.00017	0.00083	0.0017	mg/Kg
60-57-1	Dieldrin	0.00083	U	0.00015	0.00083	0.0017	mg/Kg
72-55-9	4,4-DDE	0.00083	U	0.00013	0.00083	0.0017	mg/Kg
72-20-8	Endrin	0.00083	U	0.00016	0.00083	0.0017	mg/Kg
33213-65-9	Endosulfan II	0.00083	U	0.00030	0.00083	0.0017	mg/Kg
72-54-8	4,4-DDD	0.00083	U	0.00019	0.00083	0.0017	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00083	U	0.00013	0.00083	0.0017	mg/Kg
50-29-3	4,4-DDT	0.00083	U	0.00017	0.00083	0.0017	mg/Kg
72-43-5	Methoxychlor	0.00083	U	0.00038	0.00083	0.0017	mg/Kg
53494-70-5	Endrin ketone	0.00083	U	0.00022	0.00083	0.0017	mg/Kg
7421-93-4	Endrin aldehyde	0.00083	U	0.00039	0.00083	0.0017	mg/Kg
5103-71-9	alpha-Chlordane	0.00083	U	0.00017	0.00083	0.0017	mg/Kg
5103-74-2	gamma-Chlordane	0.00083	U	0.00019	0.00083	0.0017	mg/Kg
8001-35-2	Toxaphene	0.017	U	0.0052	0.017	0.033	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	26.1		55 - 130		130%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.7		42 - 129		108%	SPK: 20

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Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB166775BL	SDG No.:	Q1383
Lab Sample ID:	PB166775BL	Matrix:	SOIL
Analytical Method:	SW8081	% 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
PL094308.D	1	02/19/25 09:40	02/20/25 16:08	PB166775

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

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094308.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 16:08
Operator : AR\AJ
Sample : PB166775BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166775BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:39:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.541	2.773	57733331	70689044	21.440	21.656
28)	SA Decachlor...	9.058	7.909	51797381	91391820	24.761	26.082
	Target Compounds						

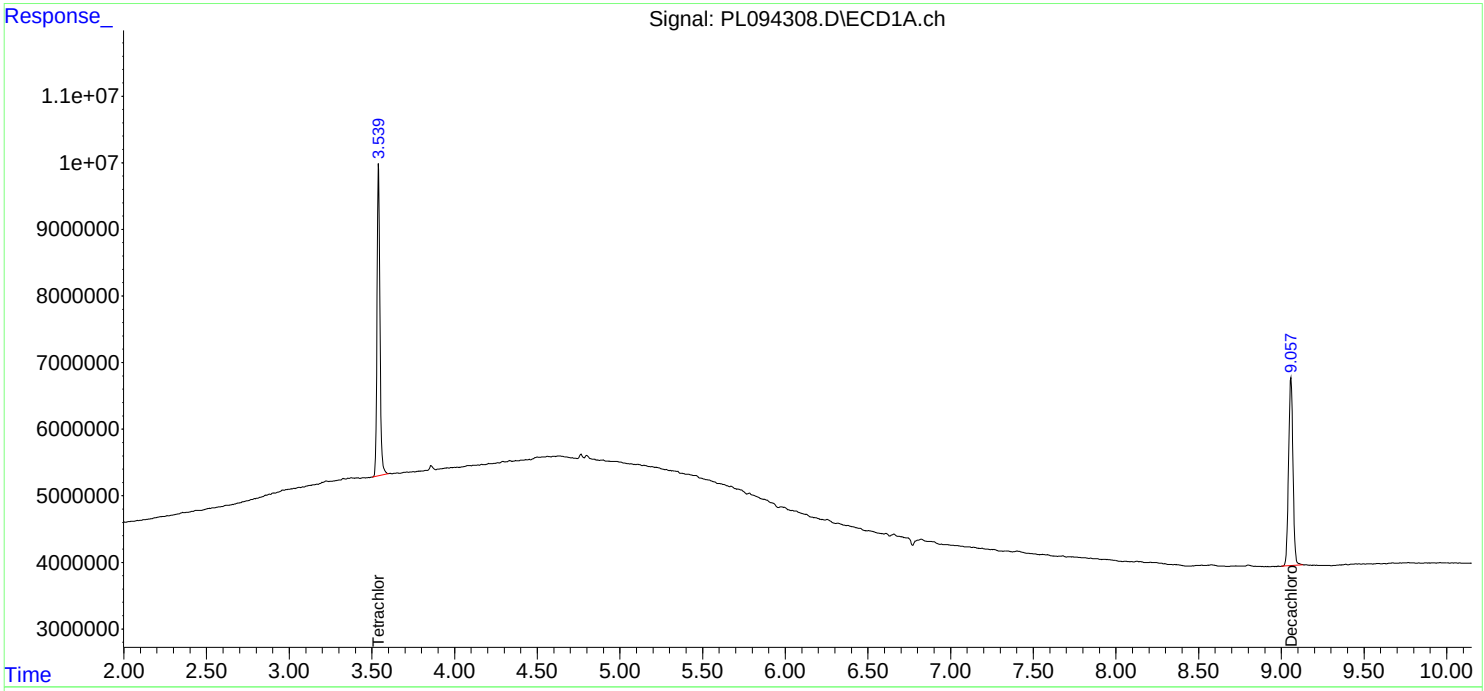
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

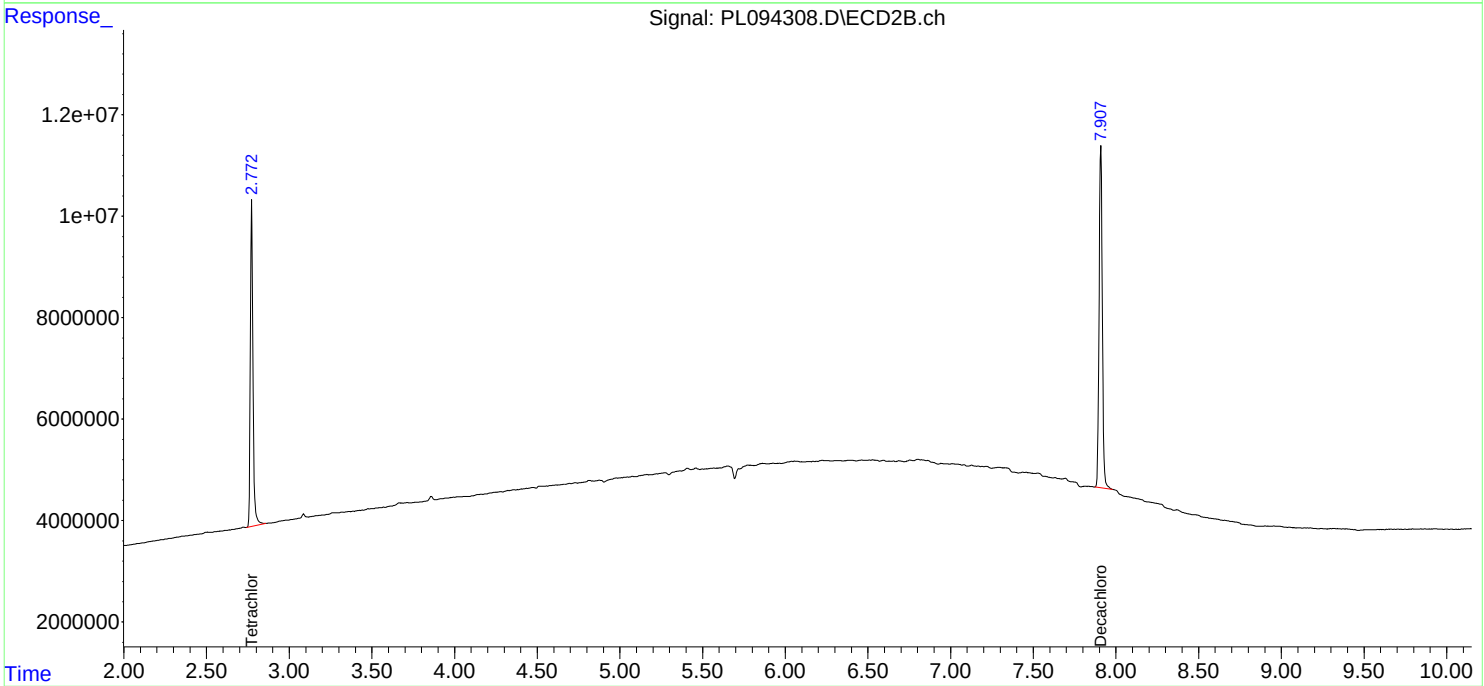
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094308.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 16:08
Operator : AR\AJ
Sample : PB166775BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

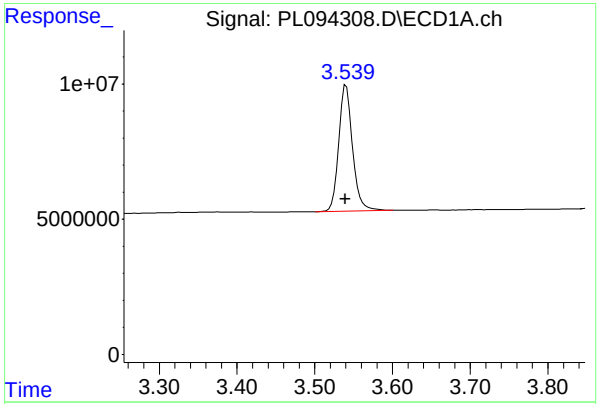
Instrument :
ECD_L
ClientSampleId :
PB166775BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:39:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



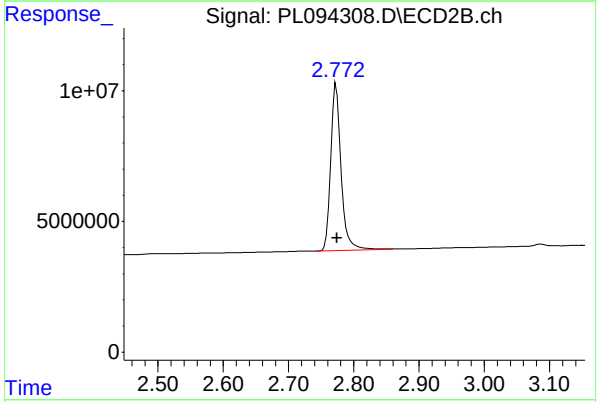




#1 Tetrachloro-m-xylene

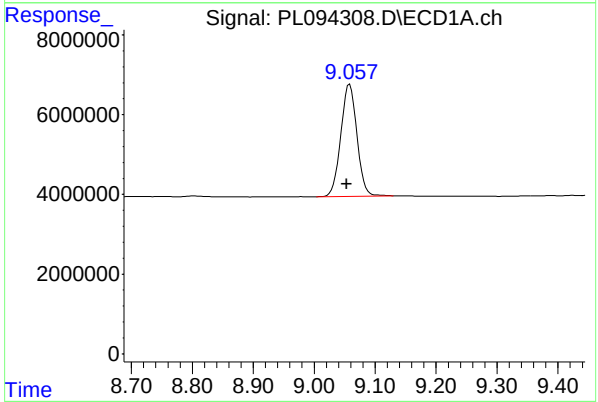
R.T.: 3.541 min
Delta R.T.: 0.002 min
Response: 57733331
Conc: 21.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166775BL



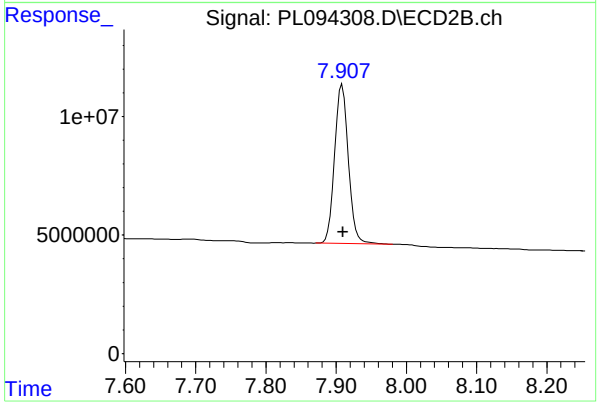
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: -0.001 min
Response: 70689044
Conc: 21.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: 0.005 min
Response: 51797381
Conc: 24.76 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: -0.001 min
Response: 91391820
Conc: 26.08 ng/ml

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Report of Analysis

Client:	Nobis Group	Date Collected:	01/21/25
Project:	Raymark Superfund Site	Date Received:	01/21/25
Client Sample ID:	PIBLK-PL093725.D	SDG No.:	Q1383
Lab Sample ID:	I.BLK-PL093725.D	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL093725.D	1		01/21/25	PL012125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000025	U	0.0000061	0.000025	0.000050	mg/L
319-85-7	beta-BHC	0.000025	U	0.000014	0.000025	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000015	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000025	U	0.0000049	0.000025	0.000050	mg/L
76-44-8	Heptachlor	0.000025	U	0.0000054	0.000025	0.000050	mg/L
309-00-2	Aldrin	0.000025	U	0.0000044	0.000025	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000090	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000025	U	0.0000050	0.000025	0.000050	mg/L
60-57-1	Dieldrin	0.000025	U	0.0000047	0.000025	0.000050	mg/L
72-55-9	4,4-DDE	0.000025	U	0.0000045	0.000025	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000043	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000075	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000092	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000025	U	0.0000035	0.000025	0.000050	mg/L
50-29-3	4,4-DDT	0.000025	U	0.0000044	0.000025	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	0.0000097	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.0000099	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000025	U	0.0000060	0.000025	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000025	U	0.0000060	0.000025	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00015	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.1		30 - 135		111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.8		44 - 124		104%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	01/21/25
Project:	Raymark Superfund Site	Date Received:	01/21/25
Client Sample ID:	PIBLK-PL093725.D	SDG No.:	Q1383
Lab Sample ID:	I.BLK-PL093725.D	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL093725.D	1		01/21/25	PL012125

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

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093725.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:16
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:04:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.539	2.775	55919553	66932258	20.767	20.505
28)	SA Decachlor...	9.052	7.909	46293108	76642664	22.130	21.872
	Target Compounds						

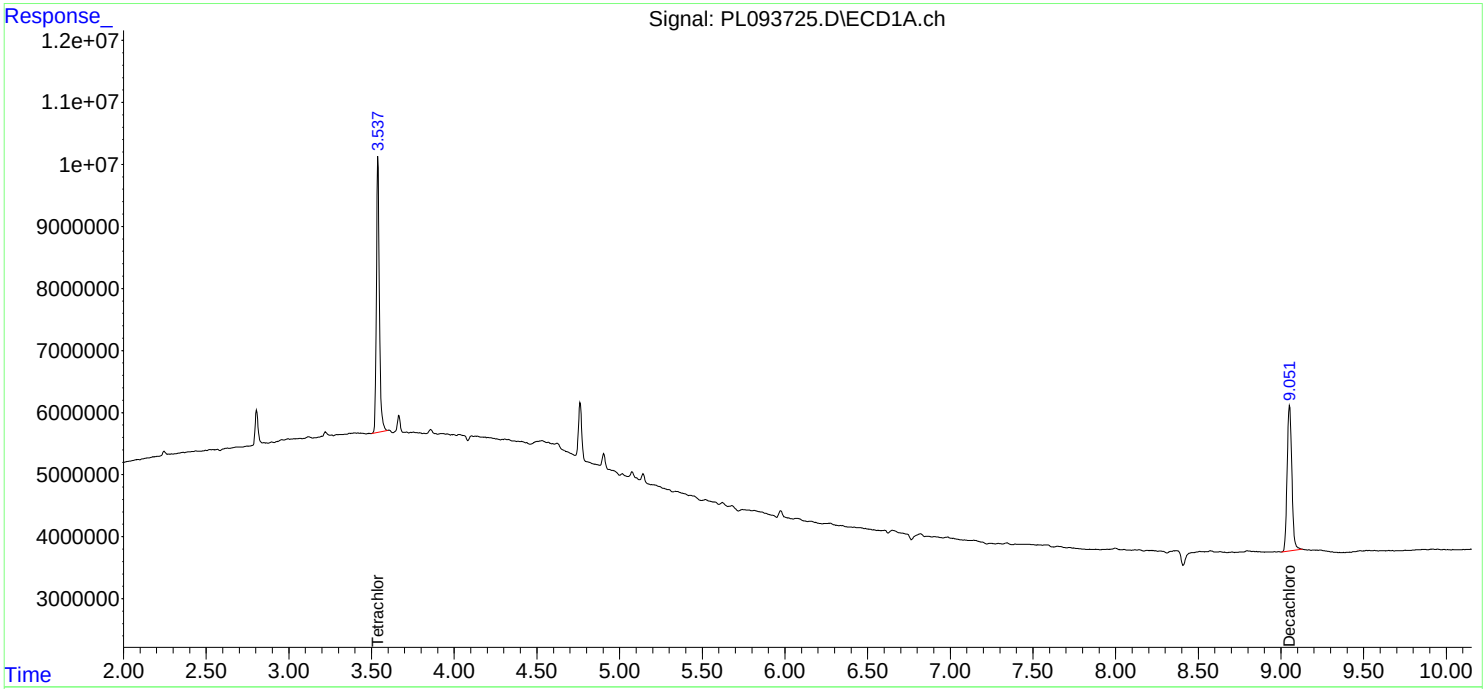
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

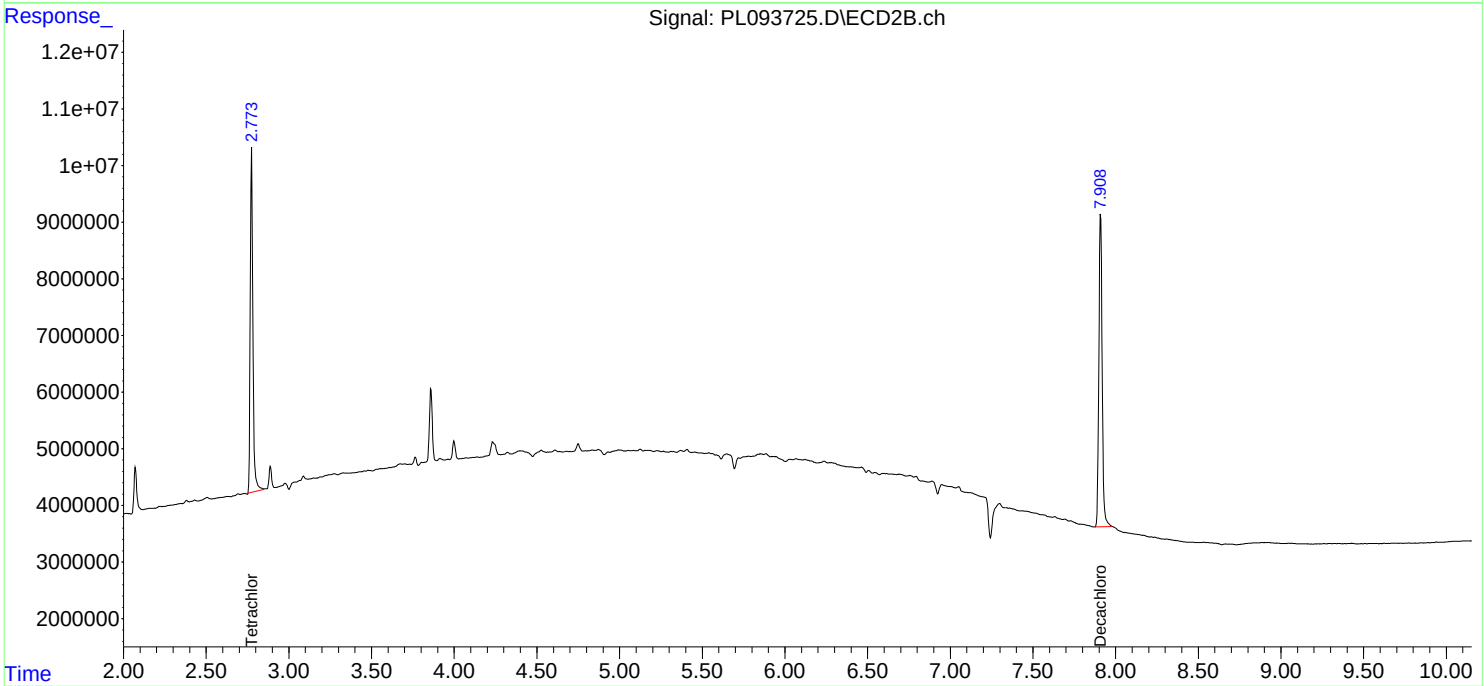
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093725.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:16
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

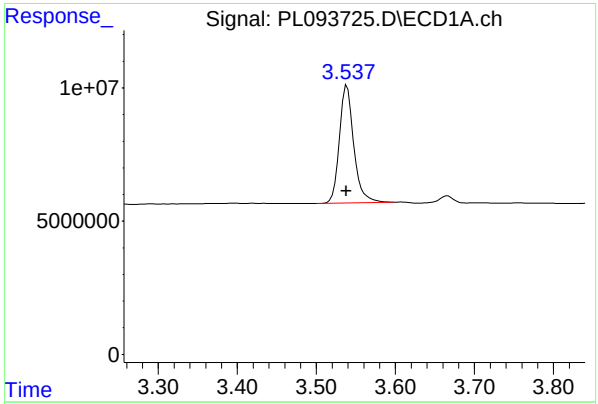
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:04:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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



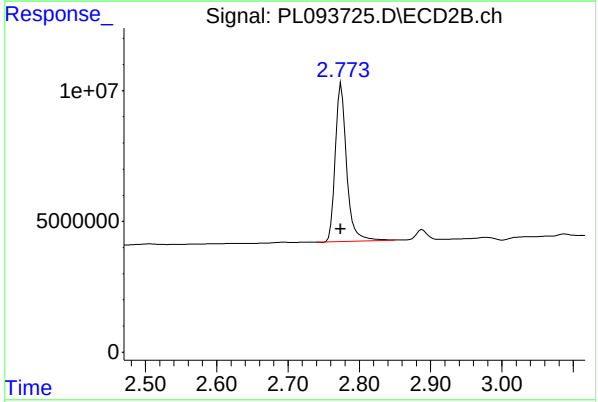




#1 Tetrachloro-m-xylene

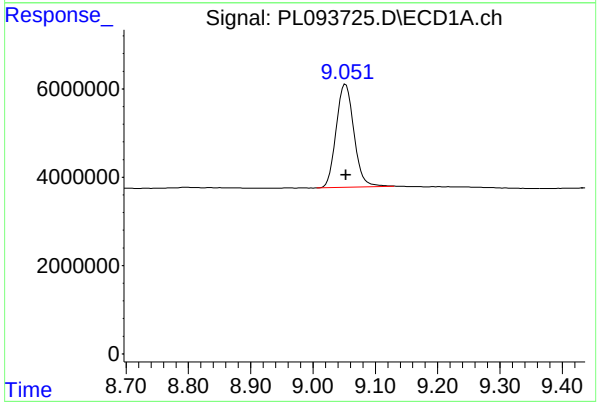
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 55919553
Conc: 20.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



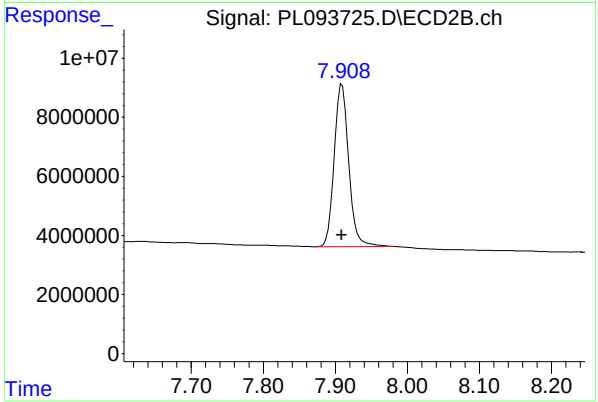
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.000 min
Response: 66932258
Conc: 20.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 46293108
Conc: 22.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 76642664
Conc: 21.87 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/19/25
Project:	Raymark Superfund Site	Date Received:	02/19/25
Client Sample ID:	PIBLK-PL094270.D	SDG No.:	Q1383
Lab Sample ID:	I.BLK-PL094270.D	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL094270.D	1		02/19/25	pl021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000025	U	0.0000061	0.000025	0.000050	mg/L
319-85-7	beta-BHC	0.000025	U	0.000014	0.000025	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000015	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000025	U	0.0000049	0.000025	0.000050	mg/L
76-44-8	Heptachlor	0.000025	U	0.0000054	0.000025	0.000050	mg/L
309-00-2	Aldrin	0.000025	U	0.0000044	0.000025	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000090	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000025	U	0.0000050	0.000025	0.000050	mg/L
60-57-1	Dieldrin	0.000025	U	0.0000047	0.000025	0.000050	mg/L
72-55-9	4,4-DDE	0.000025	U	0.0000045	0.000025	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000043	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000075	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000092	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000025	U	0.0000035	0.000025	0.000050	mg/L
50-29-3	4,4-DDT	0.000025	U	0.0000044	0.000025	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	0.0000097	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.0000099	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000025	U	0.0000060	0.000025	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000025	U	0.0000060	0.000025	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00015	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	25.8		30 - 135		129%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.1		44 - 124		110%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/19/25
Project:	Raymark Superfund Site	Date Received:	02/19/25
Client Sample ID:	PIBLK-PL094270.D	SDG No.:	Q1383
Lab Sample ID:	I.BLK-PL094270.D	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL094270.D	1		02/19/25	pl021925

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

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094270.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 17:33
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:14:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.536	2.771	58956948	72063400	21.895	22.077
28)	SA Decachlor...	9.049	7.905	50624218	90268541	24.200	25.761
	Target Compounds						

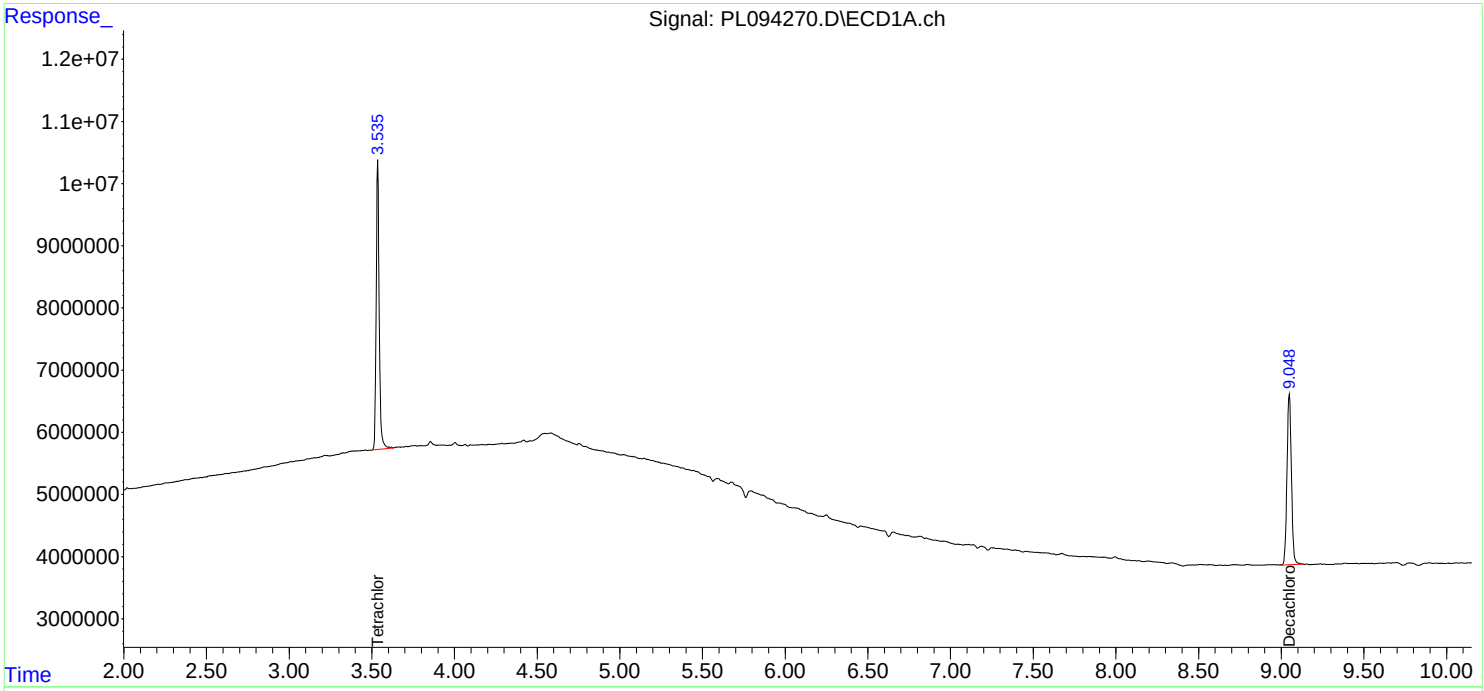
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

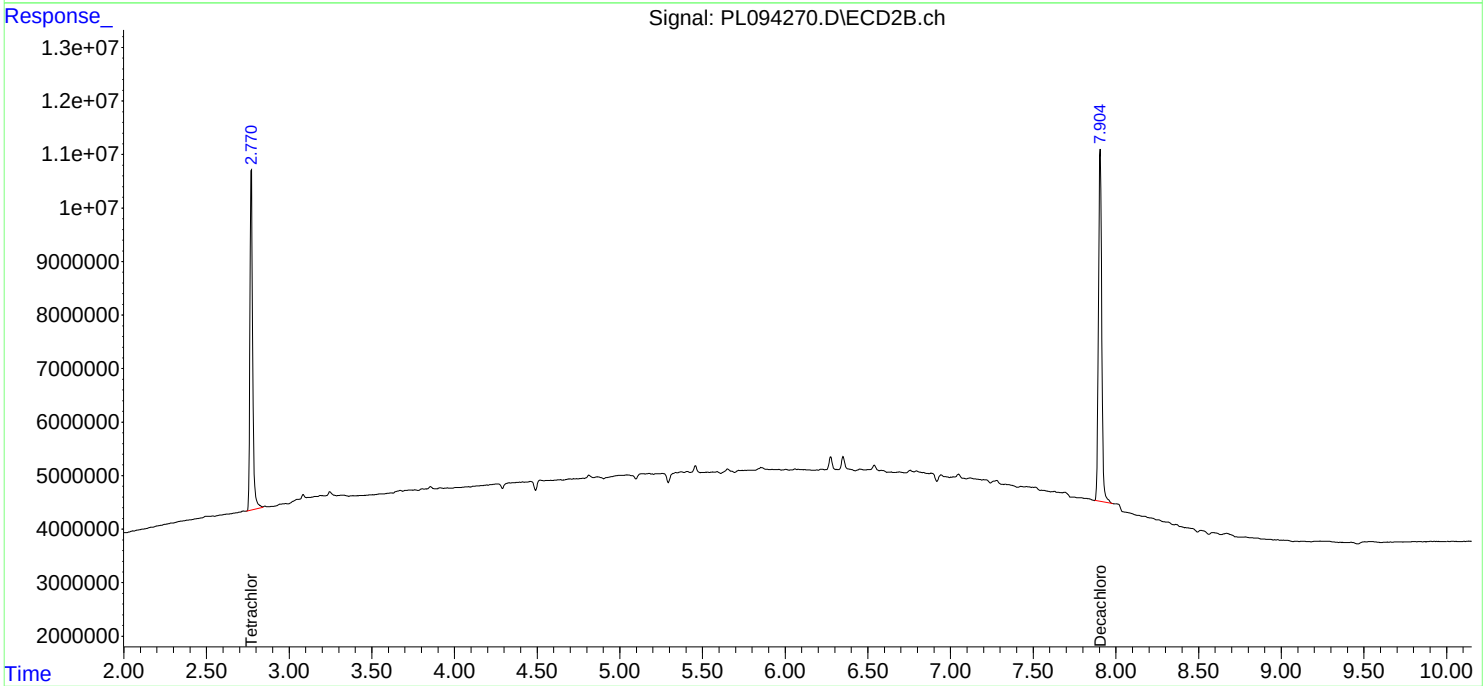
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094270.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 17:33
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

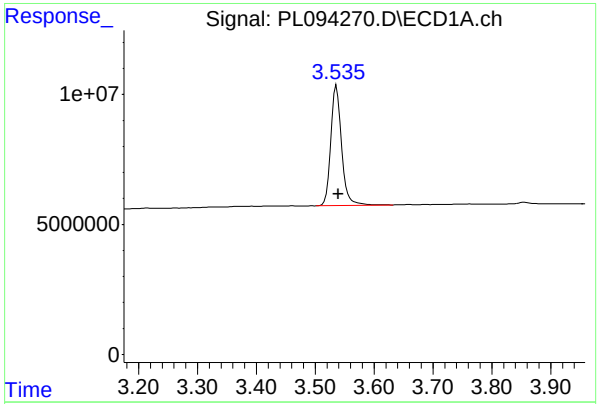
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:14:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



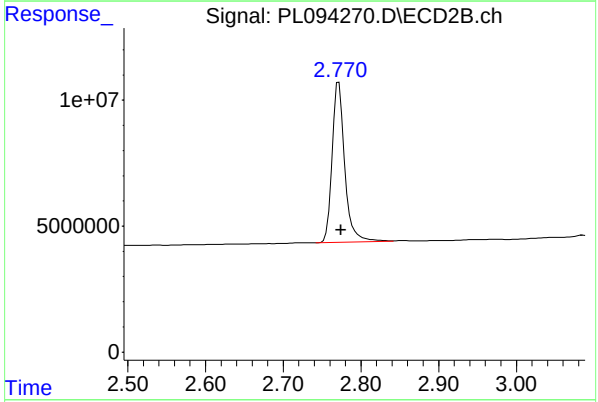




#1 Tetrachloro-m-xylene

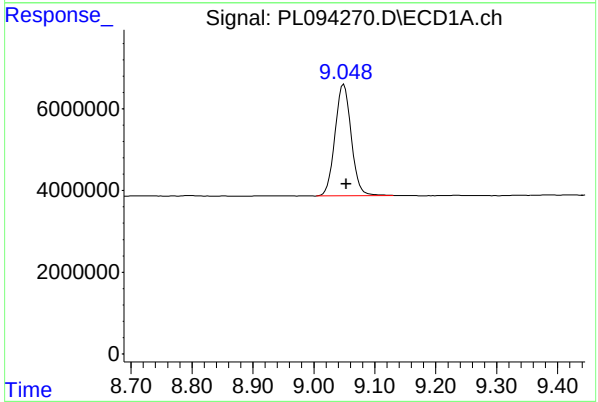
R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 58956948
Conc: 21.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



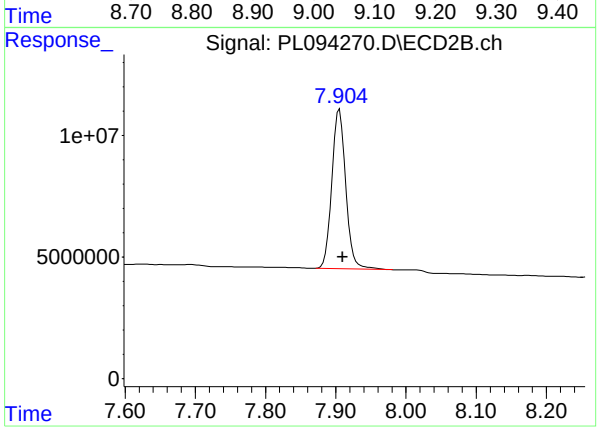
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 72063400
Conc: 22.08 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.004 min
Response: 50624218
Conc: 24.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 90268541
Conc: 25.76 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/19/25
Project:	Raymark Superfund Site	Date Received:	02/19/25
Client Sample ID:	PIBLK-PL094284.D	SDG No.:	Q1383
Lab Sample ID:	I.BLK-PL094284.D	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL094284.D	1		02/19/25	pl021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000025	U	0.0000061	0.000025	0.000050	mg/L
319-85-7	beta-BHC	0.000025	U	0.000014	0.000025	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000015	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000025	U	0.0000049	0.000025	0.000050	mg/L
76-44-8	Heptachlor	0.000025	U	0.0000054	0.000025	0.000050	mg/L
309-00-2	Aldrin	0.000025	U	0.0000044	0.000025	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000090	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000025	U	0.0000050	0.000025	0.000050	mg/L
60-57-1	Dieldrin	0.000025	U	0.0000047	0.000025	0.000050	mg/L
72-55-9	4,4-DDE	0.000025	U	0.0000045	0.000025	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000043	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000075	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000092	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000025	U	0.0000035	0.000025	0.000050	mg/L
50-29-3	4,4-DDT	0.000025	U	0.0000044	0.000025	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	0.0000097	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.0000099	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000025	U	0.0000060	0.000025	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000025	U	0.0000060	0.000025	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00015	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.4		30 - 135		122%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.7		44 - 124		113%	SPK: 20

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	02/19/25
Project:	Raymark Superfund Site	Date Received:	02/19/25
Client Sample ID:	PIBLK-PL094284.D	SDG No.:	Q1383
Lab Sample ID:	I.BLK-PL094284.D	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL094284.D	1		02/19/25	pl021925

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

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094284.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 20:43
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:18:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.537	2.772	59513275	73956696	22.101	22.657
28)	SA Decachlor...	9.050	7.905	50950487	81820494	24.356	23.350
	Target Compounds						

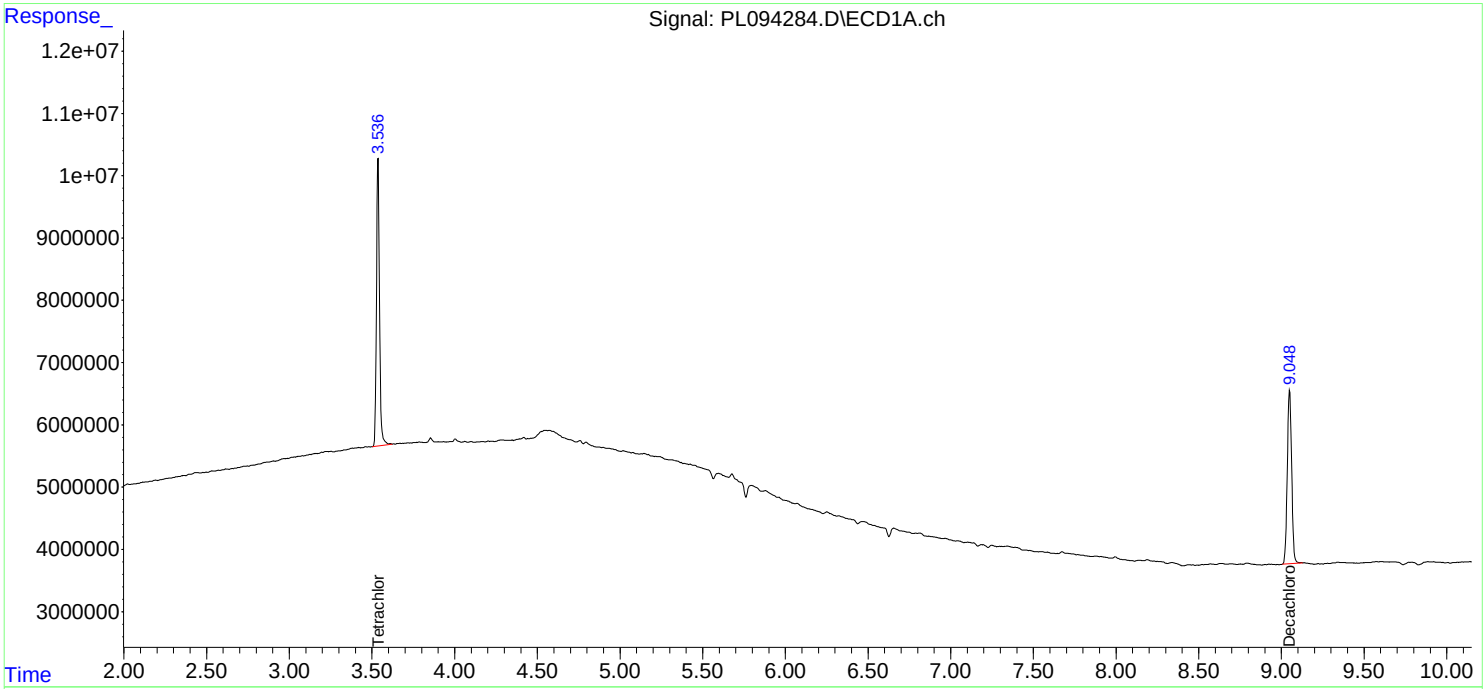
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

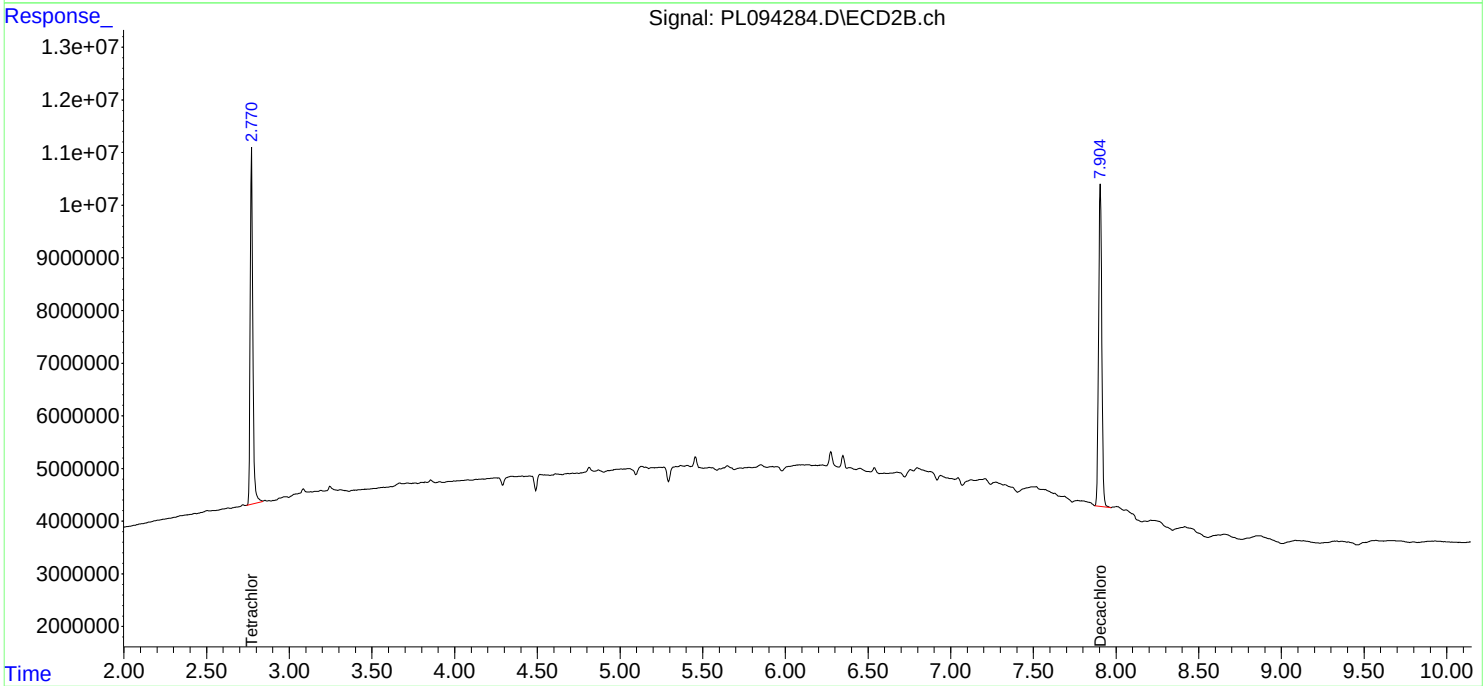
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094284.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 20:43
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

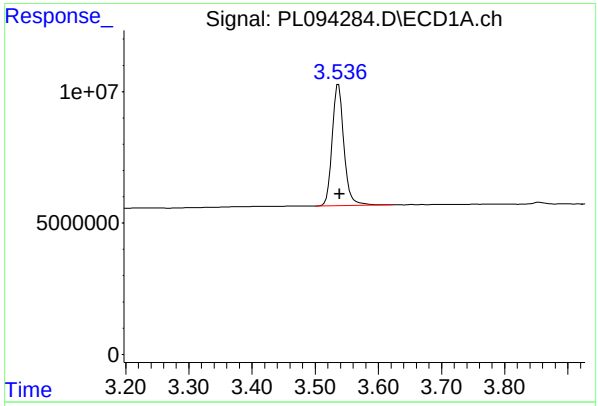
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:18:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



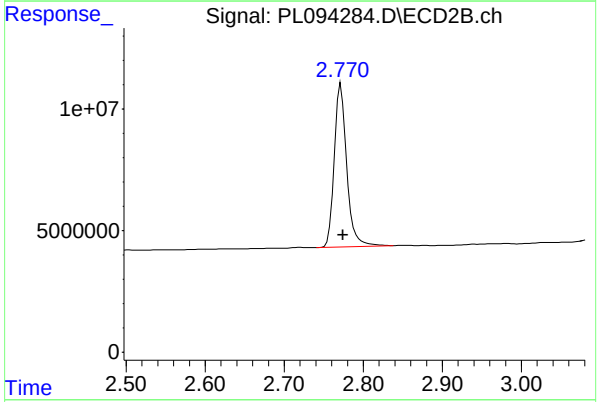




#1 Tetrachloro-m-xylene

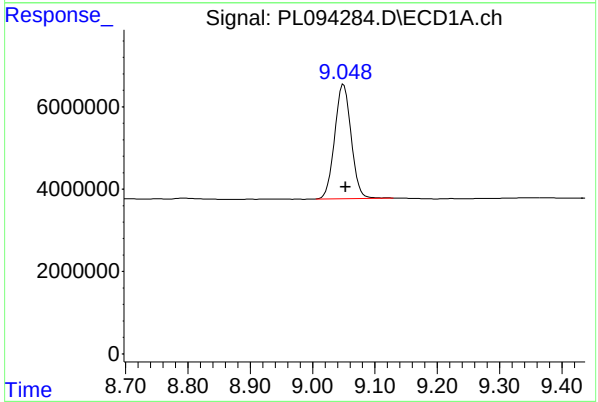
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 59513275
Conc: 22.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



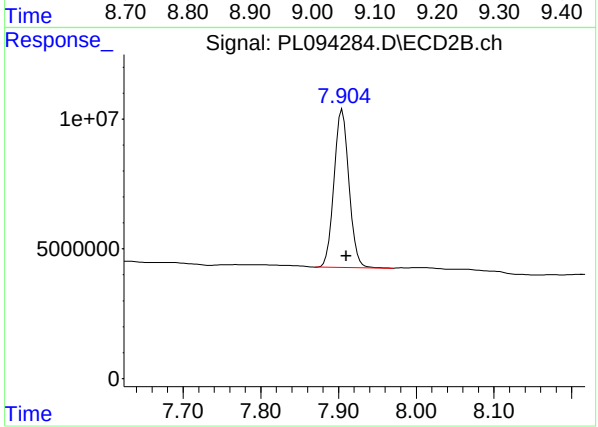
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 73956696
Conc: 22.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 50950487
Conc: 24.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 81820494
Conc: 23.35 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/20/25
Project:	Raymark Superfund Site	Date Received:	02/20/25
Client Sample ID:	PIBLK-PL094288.D	SDG No.:	Q1383
Lab Sample ID:	I.BLK-PL094288.D	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL094288.D	1		02/20/25	PL021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000025	U	0.0000061	0.000025	0.000050	mg/L
319-85-7	beta-BHC	0.000025	U	0.000014	0.000025	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000015	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000025	U	0.0000049	0.000025	0.000050	mg/L
76-44-8	Heptachlor	0.000025	U	0.0000054	0.000025	0.000050	mg/L
309-00-2	Aldrin	0.000025	U	0.0000044	0.000025	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000090	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000025	U	0.0000050	0.000025	0.000050	mg/L
60-57-1	Dieldrin	0.000025	U	0.0000047	0.000025	0.000050	mg/L
72-55-9	4,4-DDE	0.000025	U	0.0000045	0.000025	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000043	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000075	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000092	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000025	U	0.0000035	0.000025	0.000050	mg/L
50-29-3	4,4-DDT	0.000025	U	0.0000044	0.000025	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	0.0000097	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.0000099	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000025	U	0.0000060	0.000025	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000025	U	0.0000060	0.000025	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00015	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	25.1		30 - 135		125%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.2		44 - 124		116%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/20/25
Project:	Raymark Superfund Site	Date Received:	02/20/25
Client Sample ID:	PIBLK-PL094288.D	SDG No.:	Q1383
Lab Sample ID:	I.BLK-PL094288.D	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL094288.D	1		02/20/25	PL021925

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

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094288.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 08:43
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 11:41:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.539	2.774	62484982	75289198	23.205	23.065
28)	SA Decachlor...	9.055	7.908	52430758	87119877	25.064	24.863
	Target Compounds						

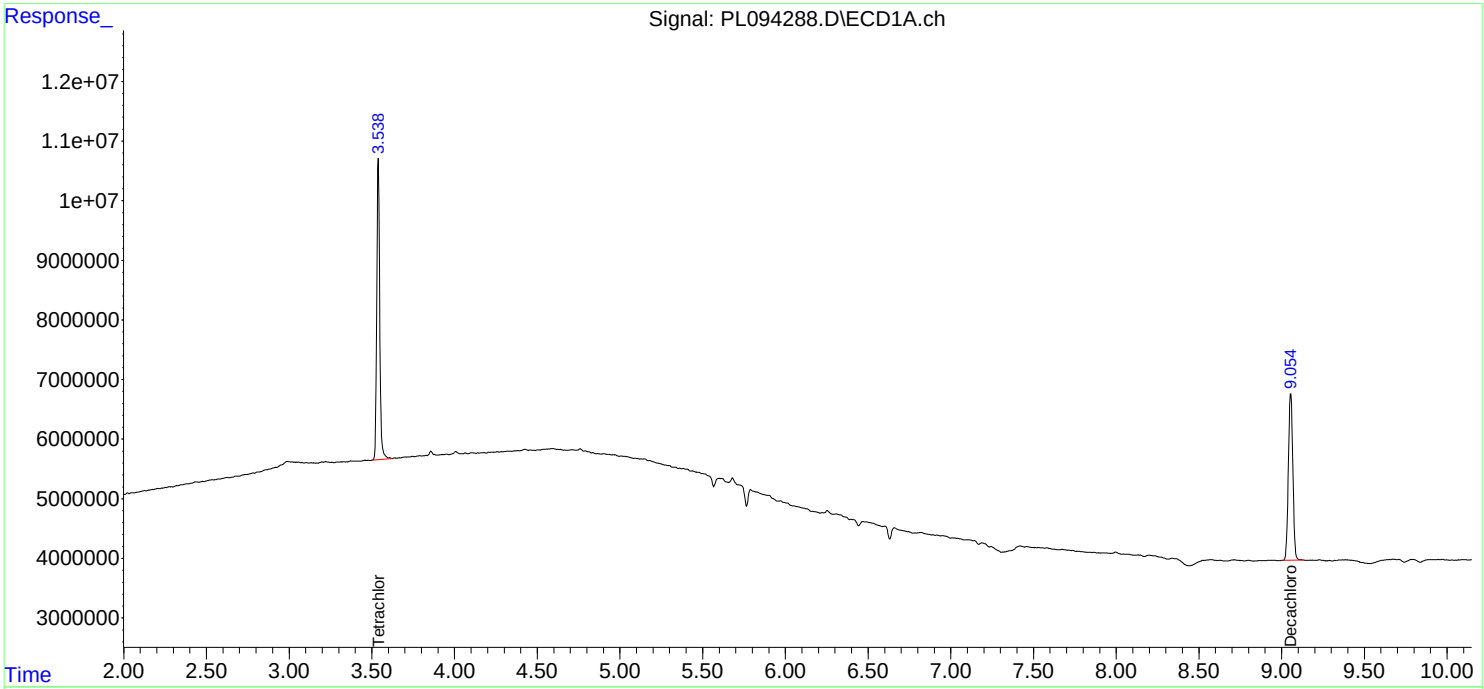
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

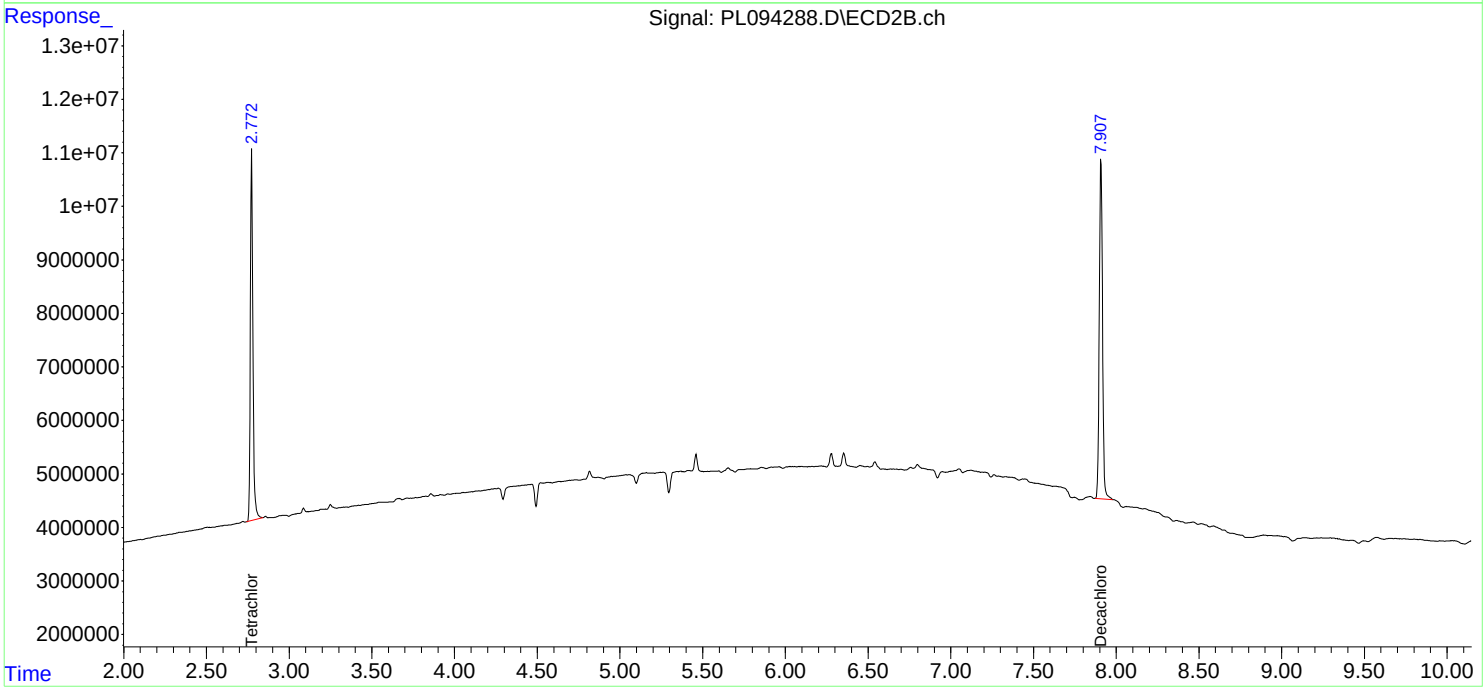
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094288.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 08:43
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

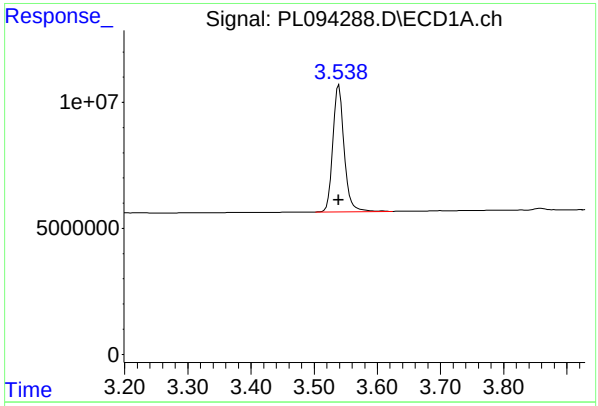
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 11:41:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



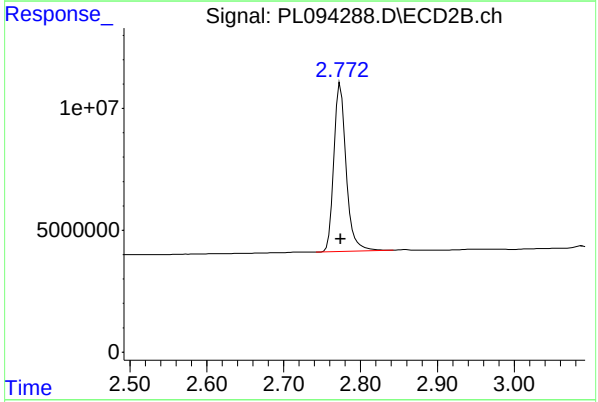




#1 Tetrachloro-m-xylene

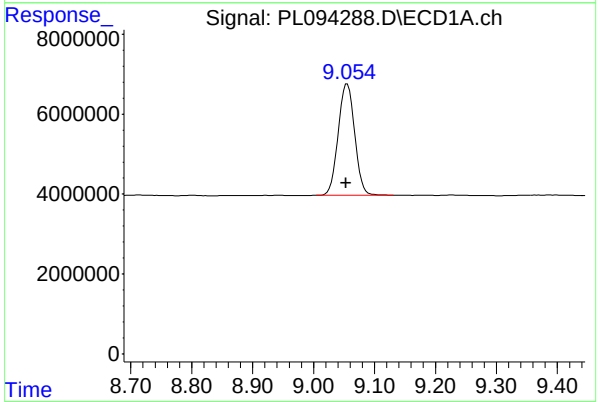
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 62484982
Conc: 23.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



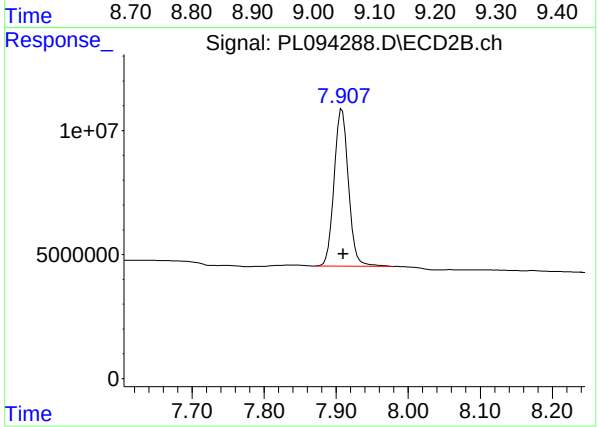
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 75289198
Conc: 23.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.002 min
Response: 52430758
Conc: 25.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.908 min
Delta R.T.: -0.002 min
Response: 87119877
Conc: 24.86 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/20/25
Project:	Raymark Superfund Site	Date Received:	02/20/25
Client Sample ID:	PIBLK-PL094291.D	SDG No.:	Q1383
Lab Sample ID:	I.BLK-PL094291.D	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL094291.D	1		02/20/25	pl022025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000025	U	0.0000061	0.000025	0.000050	mg/L
319-85-7	beta-BHC	0.000025	U	0.000014	0.000025	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000015	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000025	U	0.0000049	0.000025	0.000050	mg/L
76-44-8	Heptachlor	0.000025	U	0.0000054	0.000025	0.000050	mg/L
309-00-2	Aldrin	0.000025	U	0.0000044	0.000025	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000090	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000025	U	0.0000050	0.000025	0.000050	mg/L
60-57-1	Dieldrin	0.000025	U	0.0000047	0.000025	0.000050	mg/L
72-55-9	4,4-DDE	0.000025	U	0.0000045	0.000025	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000043	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000075	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000092	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000025	U	0.0000035	0.000025	0.000050	mg/L
50-29-3	4,4-DDT	0.000025	U	0.0000044	0.000025	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	0.0000097	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.0000099	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000025	U	0.0000060	0.000025	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000025	U	0.0000060	0.000025	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00015	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	25.4		30 - 135		127%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.6		44 - 124		113%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/20/25
Project:	Raymark Superfund Site	Date Received:	02/20/25
Client Sample ID:	PIBLK-PL094291.D	SDG No.:	Q1383
Lab Sample ID:	I.BLK-PL094291.D	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL094291.D	1		02/20/25	pl022025

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

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094291.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 09:42
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:33:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.537	2.772	58335275	73747553	21.664	22.593
28)	SA Decachlor...	9.052	7.906	52705312	89073031	25.195	25.420
	Target Compounds						

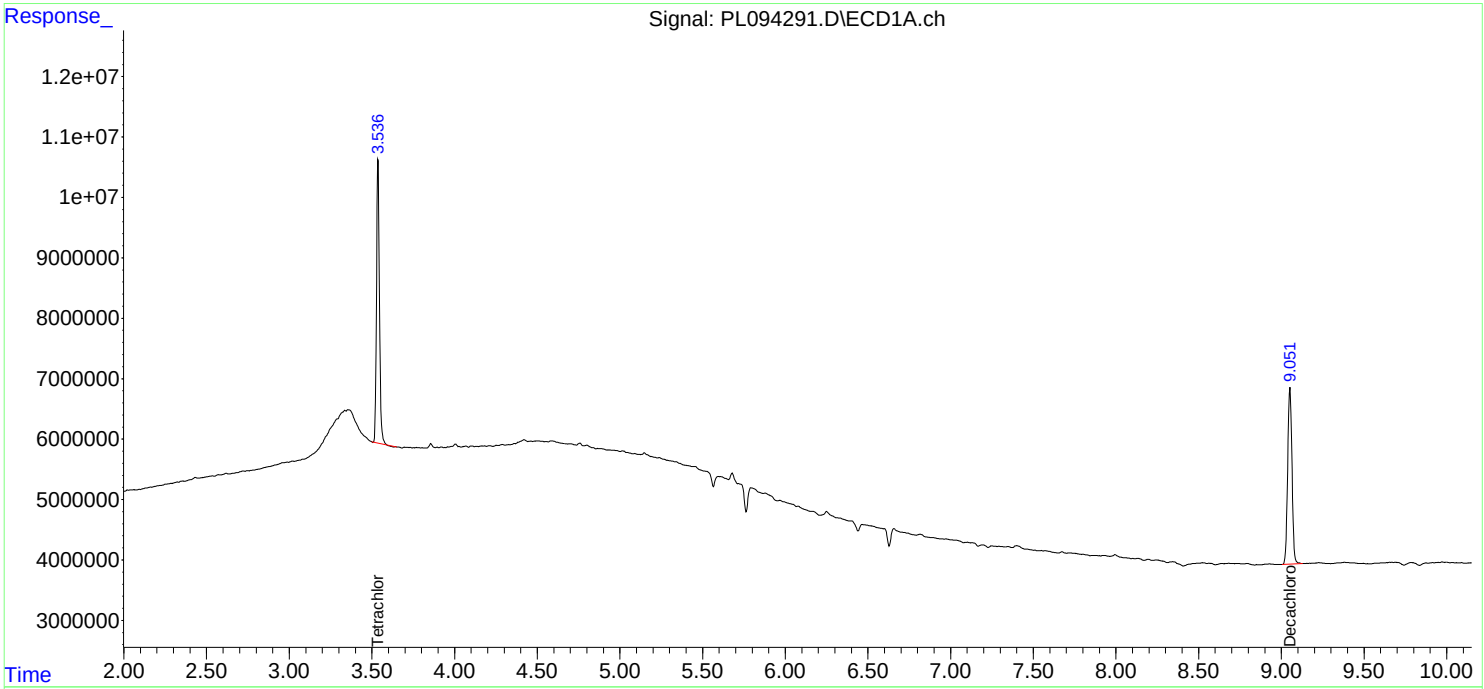
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

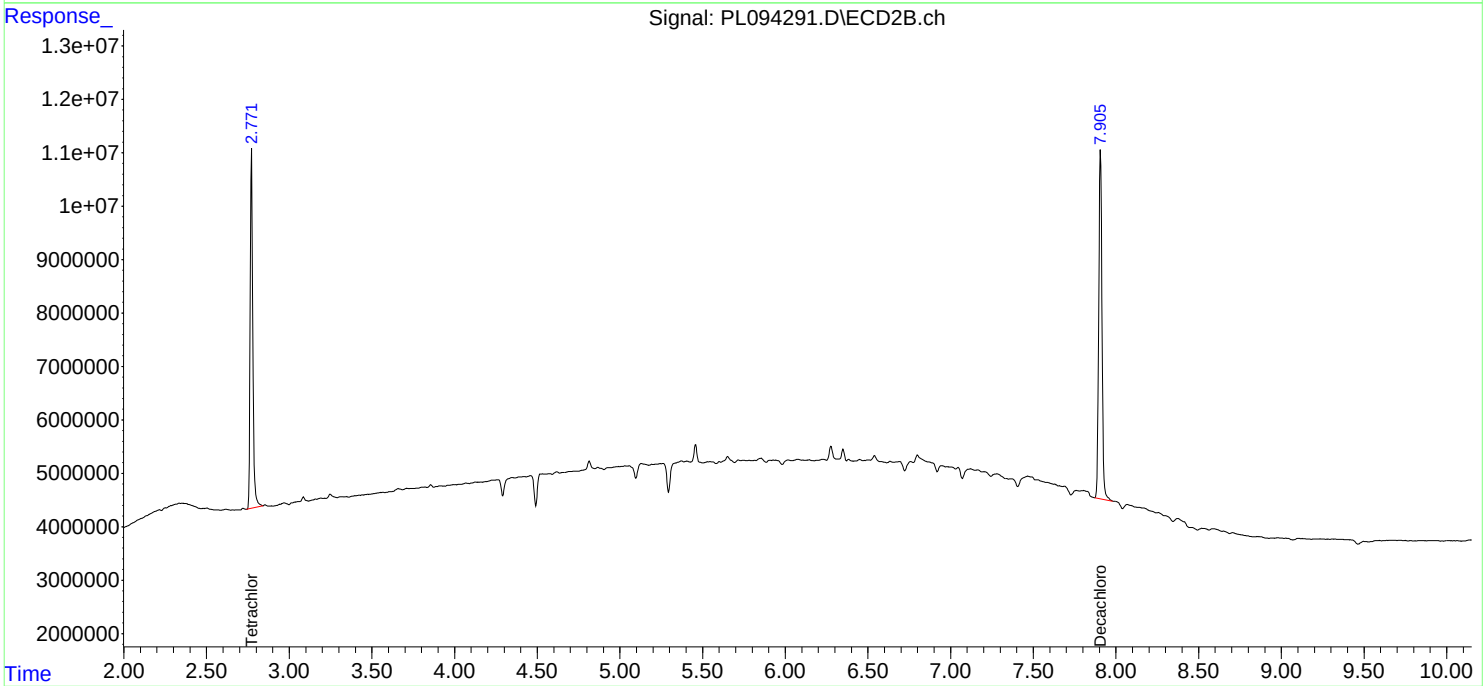
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094291.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 09:42
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

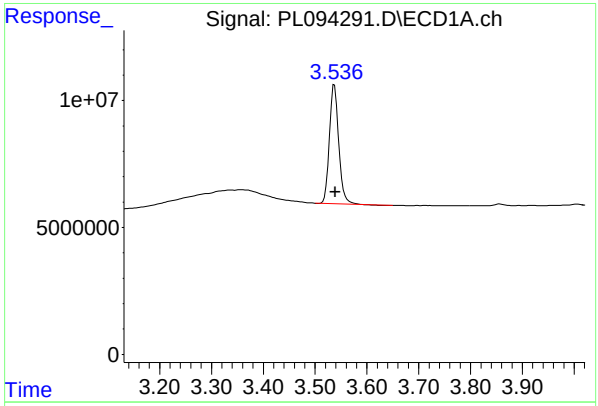
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:33:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



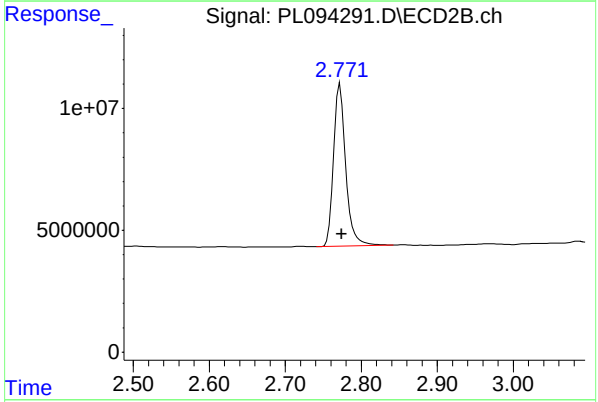




#1 Tetrachloro-m-xylene

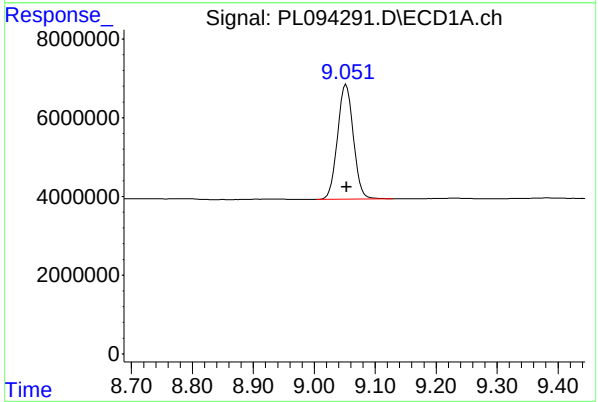
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 58335275
Conc: 21.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



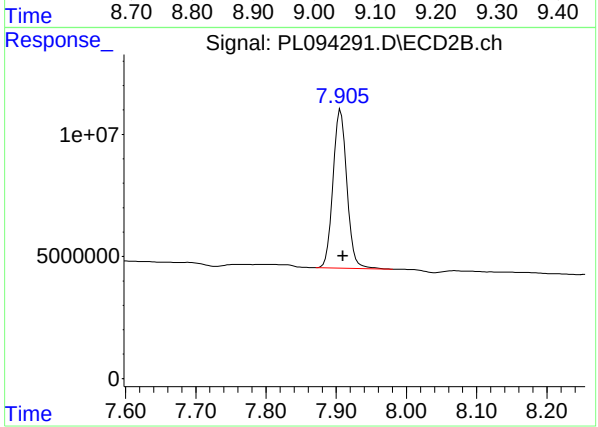
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.002 min
Response: 73747553
Conc: 22.59 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 52705312
Conc: 25.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: -0.003 min
Response: 89073031
Conc: 25.42 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/20/25
Project:	Raymark Superfund Site	Date Received:	02/20/25
Client Sample ID:	PIBLK-PL094304.D	SDG No.:	Q1383
Lab Sample ID:	I.BLK-PL094304.D	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL094304.D	1		02/20/25	pl022025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000025	U	0.0000061	0.000025	0.000050	mg/L
319-85-7	beta-BHC	0.000025	U	0.000014	0.000025	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000015	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000025	U	0.0000049	0.000025	0.000050	mg/L
76-44-8	Heptachlor	0.000025	U	0.0000054	0.000025	0.000050	mg/L
309-00-2	Aldrin	0.000025	U	0.0000044	0.000025	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000090	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000025	U	0.0000050	0.000025	0.000050	mg/L
60-57-1	Dieldrin	0.000025	U	0.0000047	0.000025	0.000050	mg/L
72-55-9	4,4-DDE	0.000025	U	0.0000045	0.000025	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000043	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000075	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000092	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000025	U	0.0000035	0.000025	0.000050	mg/L
50-29-3	4,4-DDT	0.000025	U	0.0000044	0.000025	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	0.0000097	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.0000099	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000025	U	0.0000060	0.000025	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000025	U	0.0000060	0.000025	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00015	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	25.7		30 - 135		128%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.8		44 - 124		114%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/20/25
Project:	Raymark Superfund Site	Date Received:	02/20/25
Client Sample ID:	PIBLK-PL094304.D	SDG No.:	Q1383
Lab Sample ID:	I.BLK-PL094304.D	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL094304.D	1		02/20/25	pl022025

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

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094304.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 12:47
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:38:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.536	2.771	60571422	74510231	22.494	22.827
28)	SA Decachlor...	9.051	7.904	52571580	89960399	25.131	25.673
	Target Compounds						

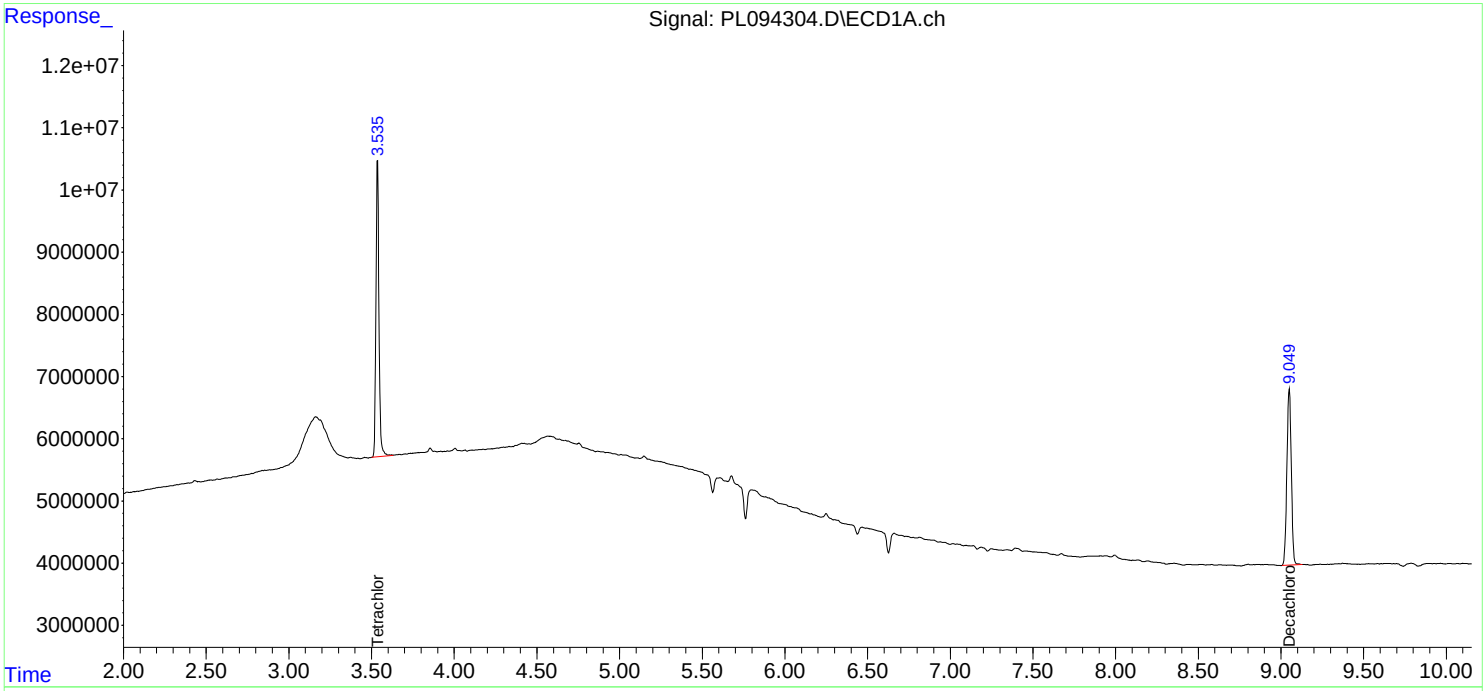
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

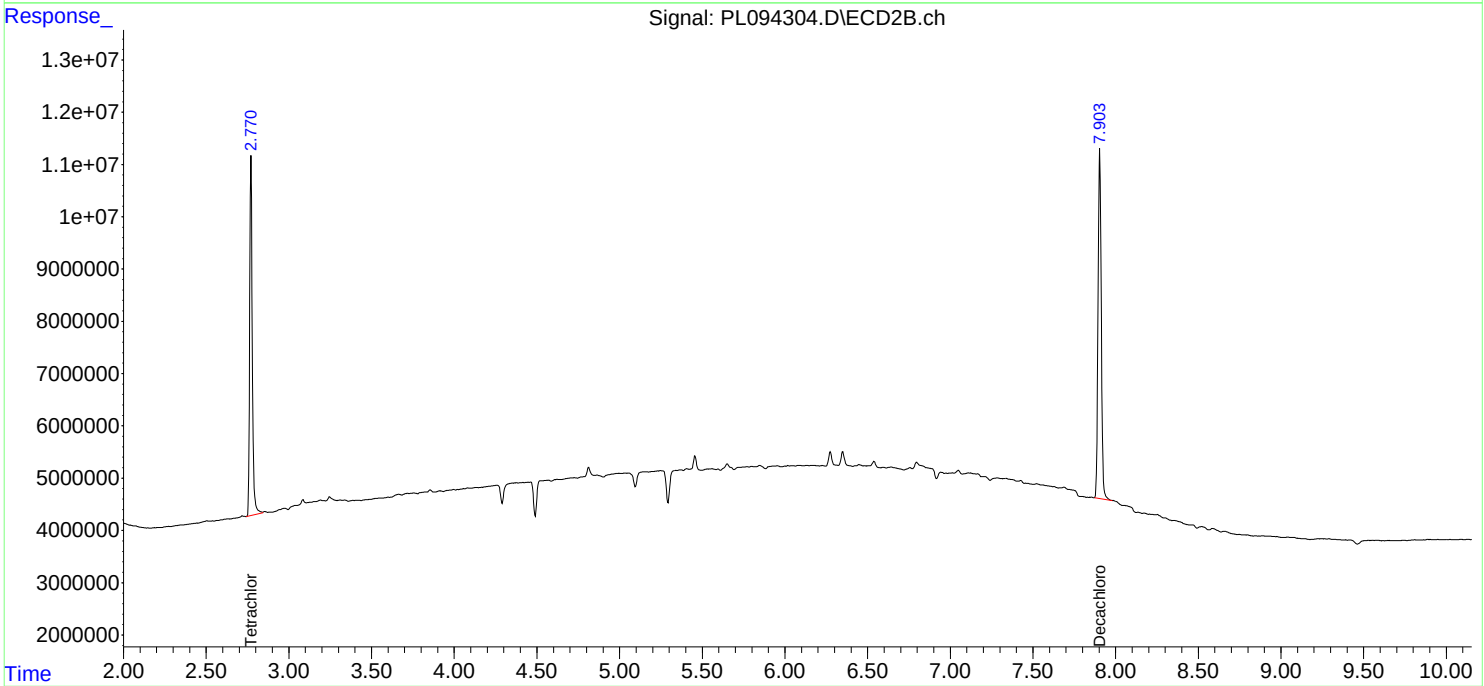
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094304.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 12:47
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

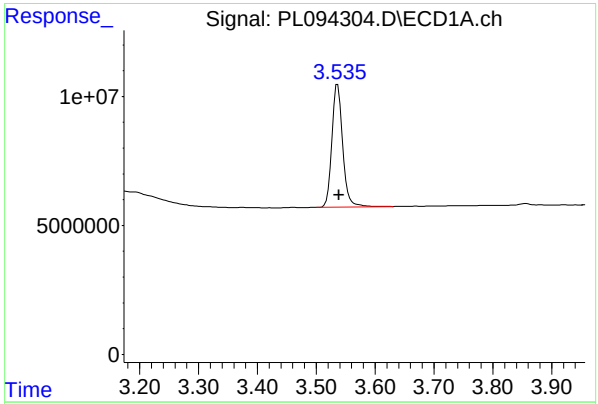
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:38:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



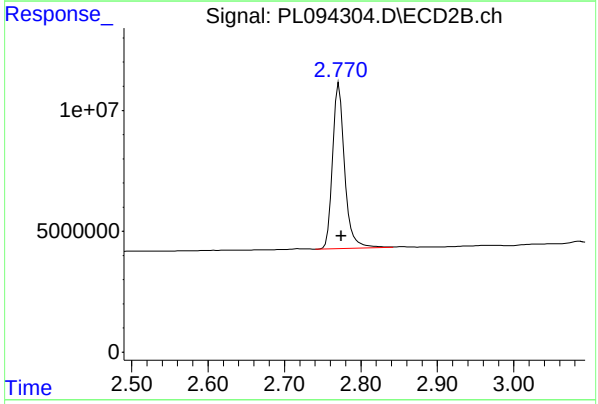




#1 Tetrachloro-m-xylene

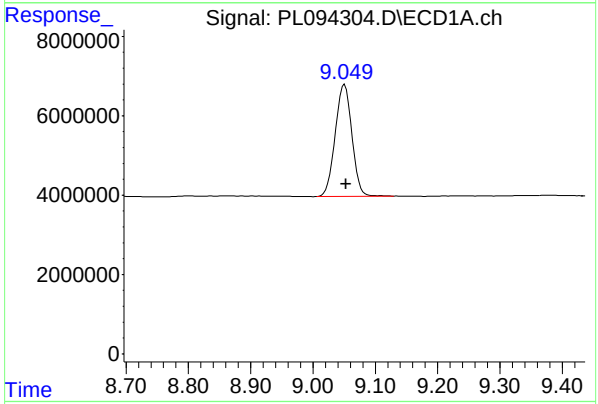
R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 60571422
Conc: 22.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



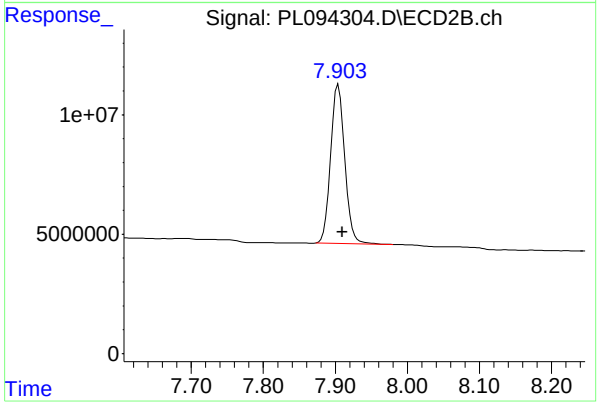
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 74510231
Conc: 22.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.002 min
Response: 52571580
Conc: 25.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.006 min
Response: 89960399
Conc: 25.67 ng/ml

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	02/20/25
Project:	Raymark Superfund Site	Date Received:	02/20/25
Client Sample ID:	PIBLK-PL094312.D	SDG No.:	Q1383
Lab Sample ID:	I.BLK-PL094312.D	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL094312.D	1		02/20/25	pl022025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000025	U	0.0000061	0.000025	0.000050	mg/L
319-85-7	beta-BHC	0.000025	U	0.000014	0.000025	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000015	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000025	U	0.0000049	0.000025	0.000050	mg/L
76-44-8	Heptachlor	0.000025	U	0.0000054	0.000025	0.000050	mg/L
309-00-2	Aldrin	0.000025	U	0.0000044	0.000025	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000090	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000025	U	0.0000050	0.000025	0.000050	mg/L
60-57-1	Dieldrin	0.000025	U	0.0000047	0.000025	0.000050	mg/L
72-55-9	4,4-DDE	0.000025	U	0.0000045	0.000025	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000043	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000075	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000092	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000025	U	0.0000035	0.000025	0.000050	mg/L
50-29-3	4,4-DDT	0.000025	U	0.0000044	0.000025	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	0.0000097	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.0000099	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000025	U	0.0000060	0.000025	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000025	U	0.0000060	0.000025	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00015	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.6		30 - 135		118%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.2		44 - 124		101%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/20/25
Project:	Raymark Superfund Site	Date Received:	02/20/25
Client Sample ID:	PIBLK-PL094312.D	SDG No.:	Q1383
Lab Sample ID:	I.BLK-PL094312.D	Matrix:	WATER
Analytical Method:	SW8081	% 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
PL094312.D	1		02/20/25	pl022025

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

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094312.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 17:58
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:40:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.540	2.772	53593585	65860660	19.903	20.177
28)	SA Decachlor...	9.055	7.908	47462588	82867756	22.689	23.649
	Target Compounds						

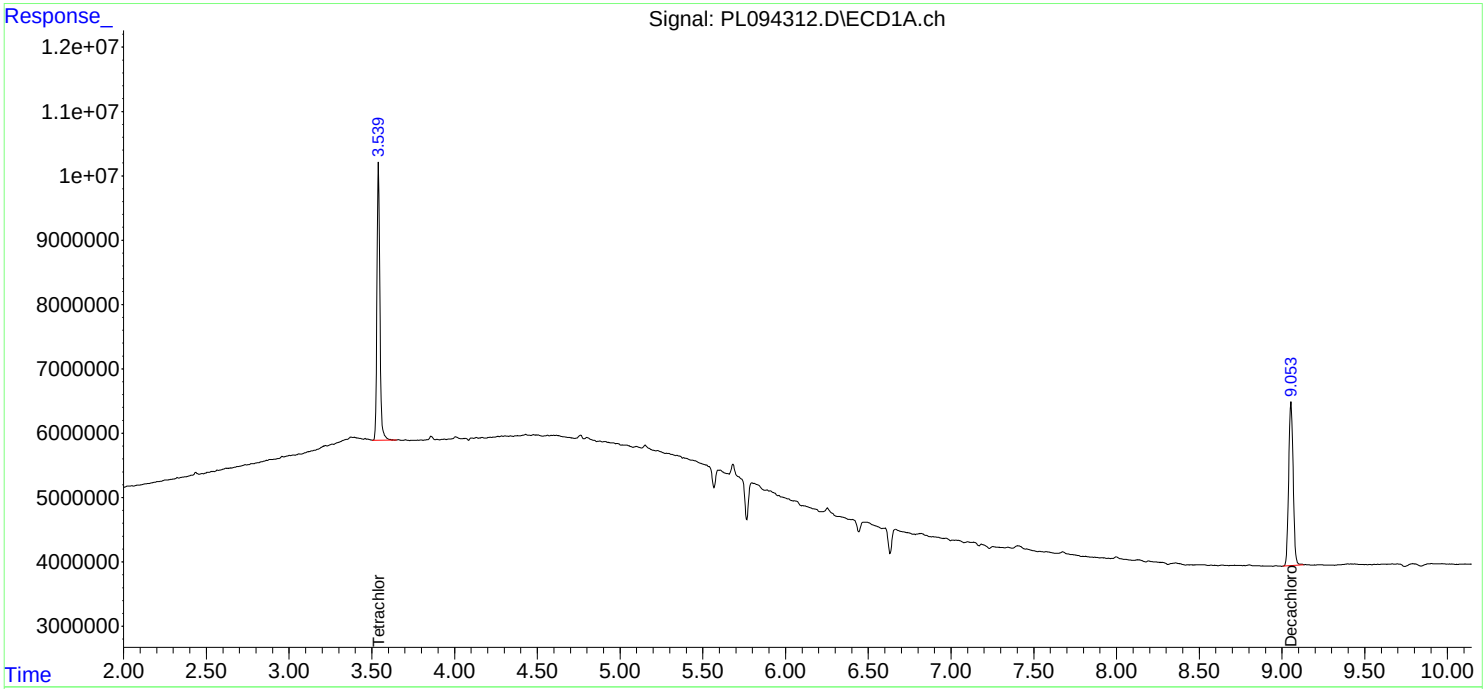
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

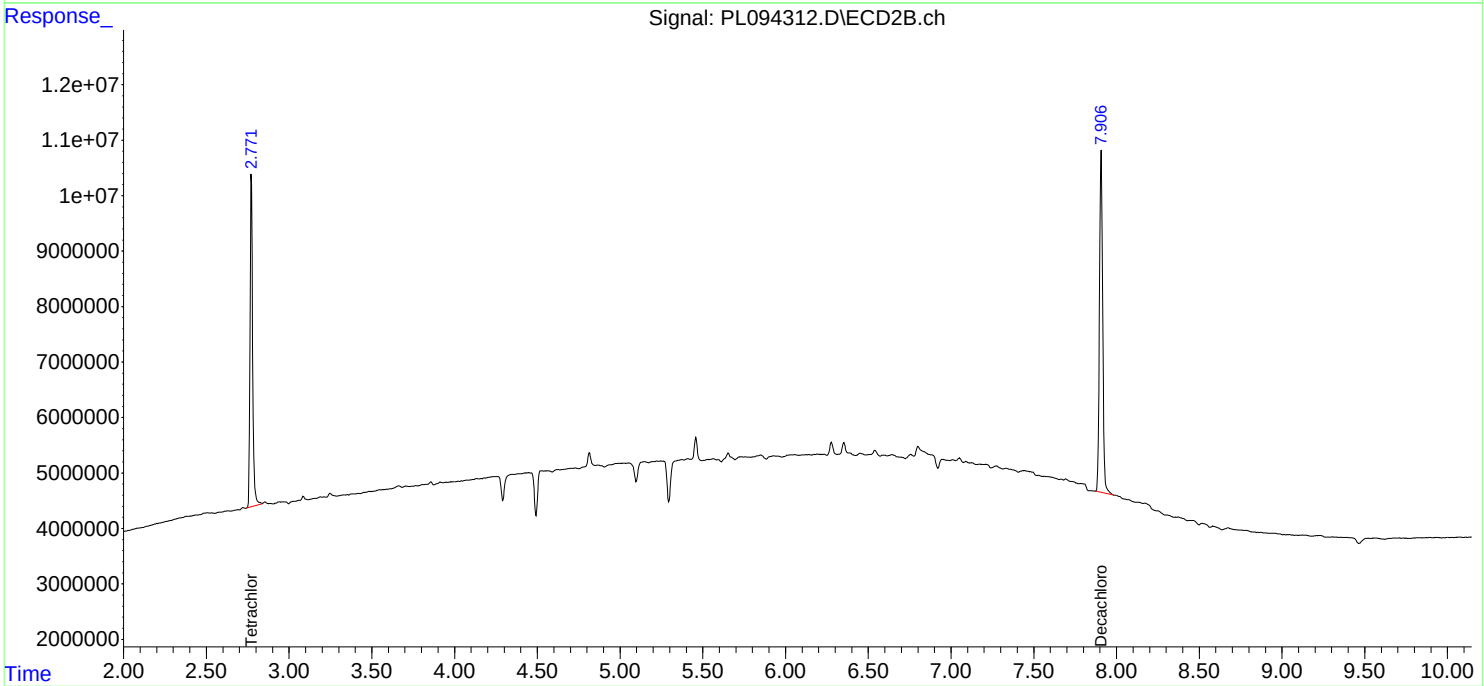
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094312.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 17:58
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

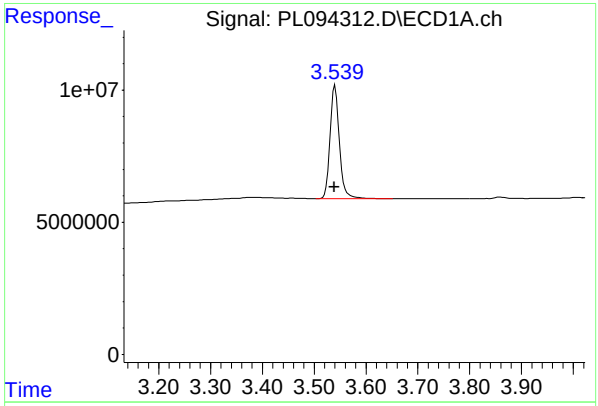
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:40:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



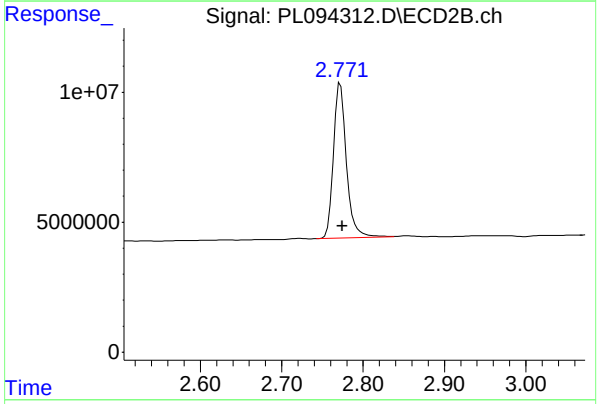




#1 Tetrachloro-m-xylene

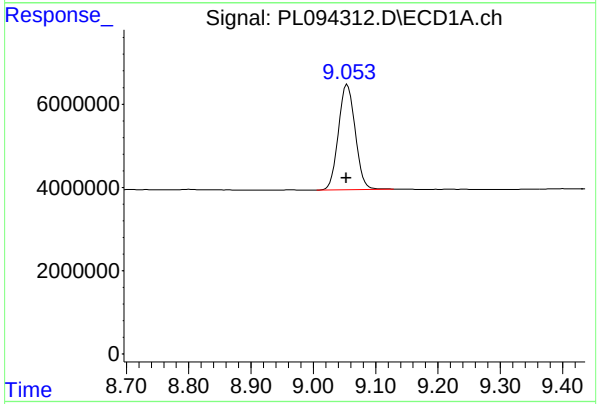
R.T.: 3.540 min
Delta R.T.: 0.001 min
Response: 53593585
Conc: 19.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



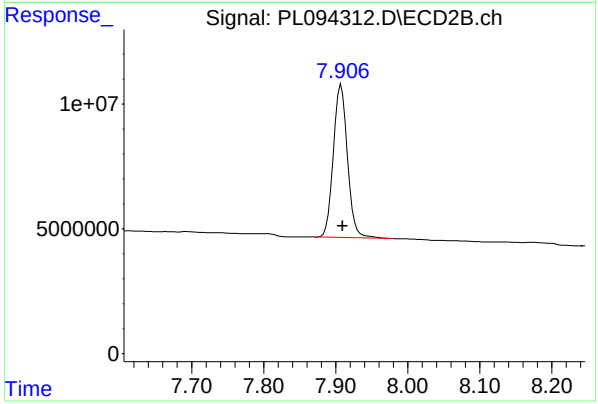
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.002 min
Response: 65860660
Conc: 20.18 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.002 min
Response: 47462588
Conc: 22.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.908 min
Delta R.T.: -0.002 min
Response: 82867756
Conc: 23.65 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB166775BS	SDG No.:	Q1383
Lab Sample ID:	PB166775BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094309.D	1	02/19/25 09:40	02/20/25 16:21	PB166775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.017		0.00018	0.00083	0.0017	mg/Kg
319-85-7	beta-BHC	0.017		0.00049	0.00083	0.0017	mg/Kg
319-86-8	delta-BHC	0.016		0.00047	0.00083	0.0017	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.017		0.00019	0.00083	0.0017	mg/Kg
76-44-8	Heptachlor	0.018		0.00017	0.00083	0.0017	mg/Kg
309-00-2	Aldrin	0.017		0.00014	0.00083	0.0017	mg/Kg
1024-57-3	Heptachlor epoxide	0.018		0.00023	0.00083	0.0017	mg/Kg
959-98-8	Endosulfan I	0.018		0.00017	0.00083	0.0017	mg/Kg
60-57-1	Dieldrin	0.018		0.00015	0.00083	0.0017	mg/Kg
72-55-9	4,4-DDE	0.019		0.00013	0.00083	0.0017	mg/Kg
72-20-8	Endrin	0.017		0.00016	0.00083	0.0017	mg/Kg
33213-65-9	Endosulfan II	0.019		0.00030	0.00083	0.0017	mg/Kg
72-54-8	4,4-DDD	0.020		0.00019	0.00083	0.0017	mg/Kg
1031-07-8	Endosulfan Sulfate	0.019		0.00013	0.00083	0.0017	mg/Kg
50-29-3	4,4-DDT	0.019		0.00017	0.00083	0.0017	mg/Kg
72-43-5	Methoxychlor	0.018		0.00038	0.00083	0.0017	mg/Kg
53494-70-5	Endrin ketone	0.020		0.00022	0.00083	0.0017	mg/Kg
7421-93-4	Endrin aldehyde	0.018		0.00039	0.00083	0.0017	mg/Kg
5103-71-9	alpha-Chlordane	0.018		0.00017	0.00083	0.0017	mg/Kg
5103-74-2	gamma-Chlordane	0.019		0.00019	0.00083	0.0017	mg/Kg
8001-35-2	Toxaphene	0.017	U	0.0052	0.017	0.033	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.3		55 - 130		122%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.9		42 - 129		100%	SPK: 20

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Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB166775BS	SDG No.:	Q1383
Lab Sample ID:	PB166775BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094309.D	1	02/19/25 09:40	02/20/25 16:21	PB166775

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

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094309.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 16:21
Operator : AR\AJ
Sample : PB166775BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166775BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:39:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.538	2.773	53715146	64541691	19.948	19.773
28) SA	Decachlor...	9.055	7.908	48054692	85221513	22.972	24.321
	Target Compounds						
2) A	alpha-BHC	3.995	3.275	185.1E6	249.8E6	48.287	51.100
3) MA	gamma-BHC...	4.327	3.605	177.1E6	238.0E6	48.076	50.192
4) MA	Heptachlor	4.915	3.943	169.3E6	245.2E6	51.647	52.687
5) MB	Aldrin	5.257	4.223	164.6E6	233.6E6	50.292	51.208
6) B	beta-BHC	4.526	3.905	79805026	103.4E6	49.651	51.749
7) B	delta-BHC	4.773	4.134	172.6E6	233.6E6	49.234	49.171
8) B	Heptachlo...	5.683	4.725	150.2E6	222.7E6	50.497	53.284
9) A	Endosulfan I	6.069	5.095	136.5E6	212.5E6	51.634	54.823
10) B	gamma-Chl...	5.940	4.975	146.7E6	235.0E6	52.623	55.446
11) B	alpha-Chl...	6.018	5.038	146.4E6	229.4E6	52.495	54.804
12) B	4,4'-DDE	6.192	5.227	135.6E6	225.5E6	55.689	56.249
13) MA	Dieldrin	6.344	5.359	143.1E6	232.5E6	51.553	54.123
14) MA	Endrin	6.573	5.633	107.5E6	186.9E6	45.865m	50.617m
15) B	Endosulfa...	6.794	5.929	123.4E6	209.2E6	51.207	56.482
16) A	4,4'-DDD	6.710	5.782	108.6E6	187.8E6	57.151	59.495
17) MA	4,4'-DDT	7.023	6.032	105.5E6	181.8E6	53.505	55.861
18) B	Endrin al...	6.924	6.109	99767264	166.4E6	51.319	54.641
19) B	Endosulfa...	7.158	6.331	114.8E6	201.6E6	50.705	56.533
20) A	Methoxychlor	7.500	6.608	52804643	96508336	50.608	53.971
21) B	Endrin ke...	7.644	6.837	133.2E6	247.6E6	52.802	59.016
22)	Mirex	8.116	7.017	98152968	176.0E6	47.133	52.038

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

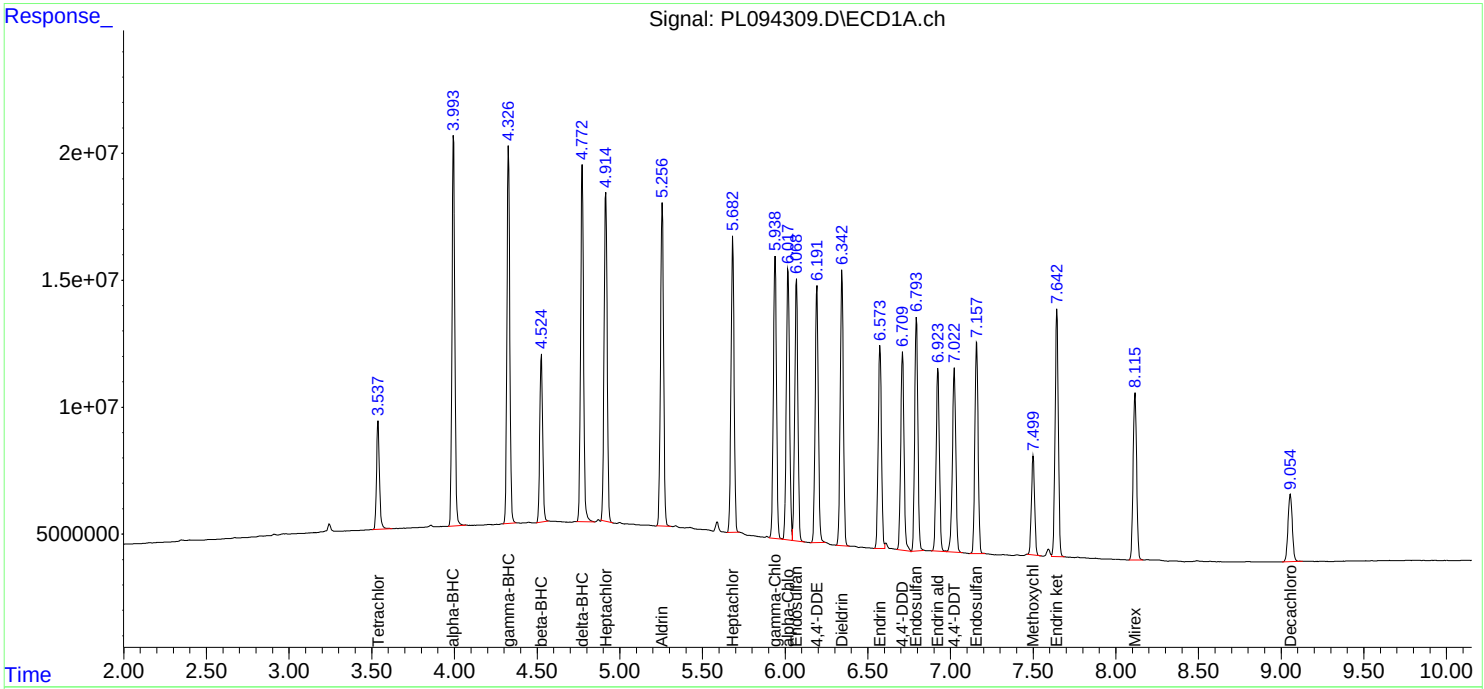
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094309.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 16:21
Operator : AR\AJ
Sample : PB166775BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

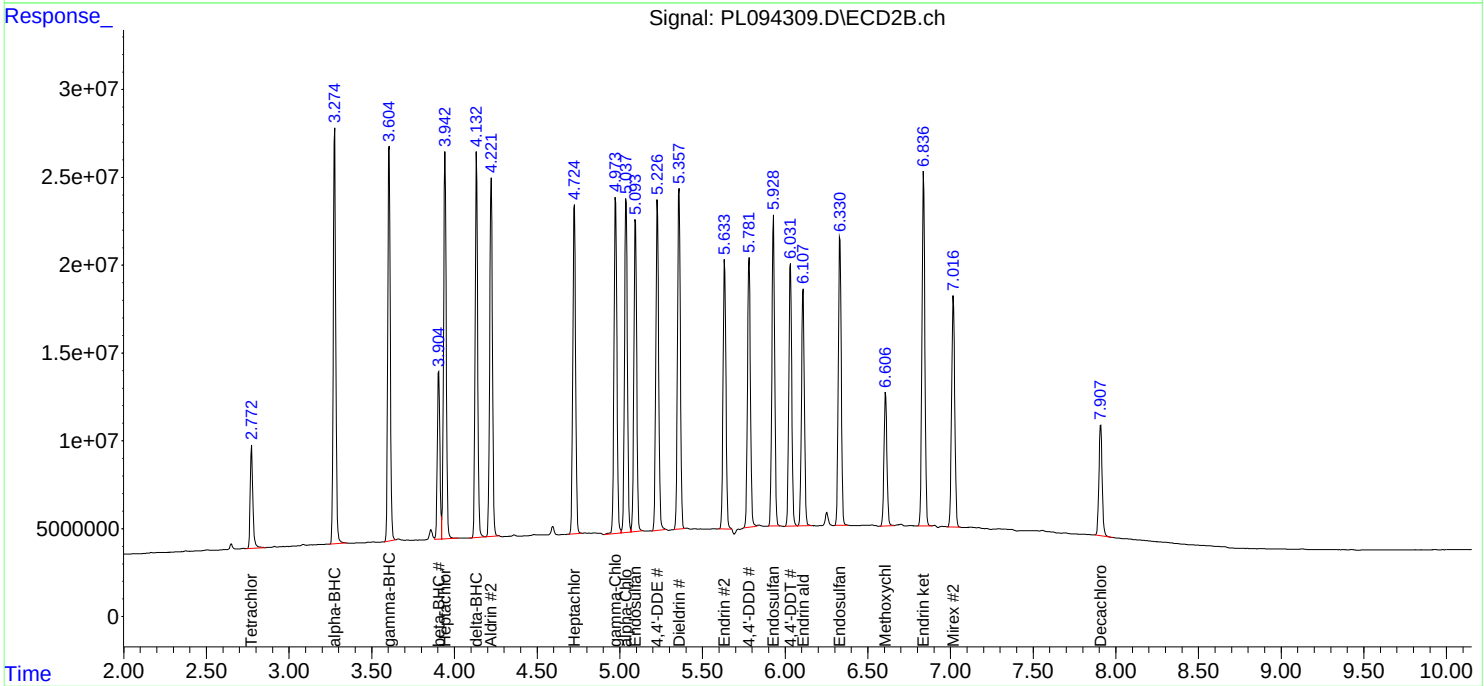
Instrument :
ECD_L
ClientSampleId :
PB166775BS

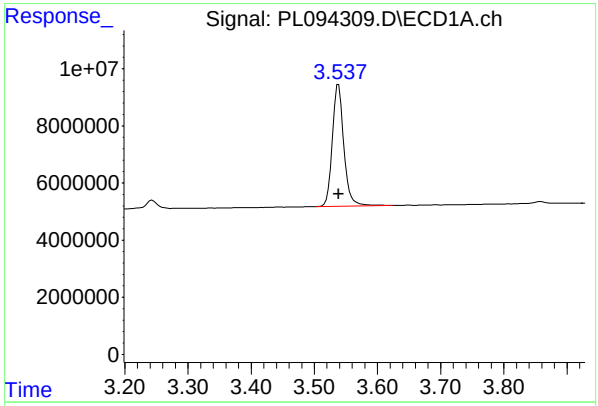
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:39:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







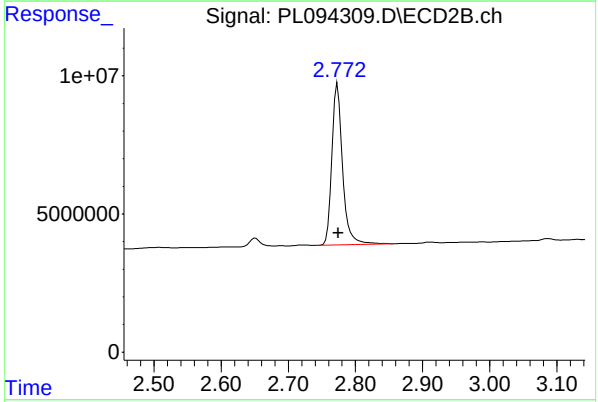
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 53715146
Conc: 19.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166775BS

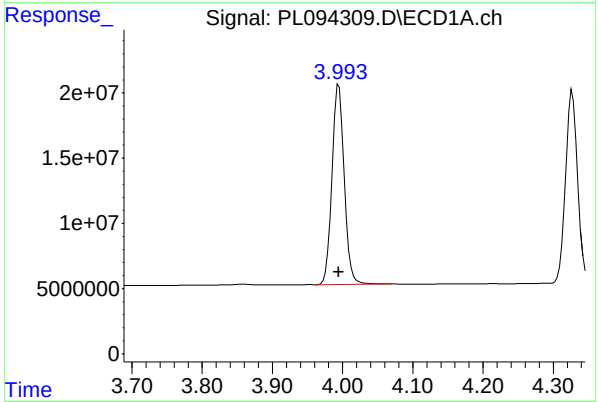
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/24/2025



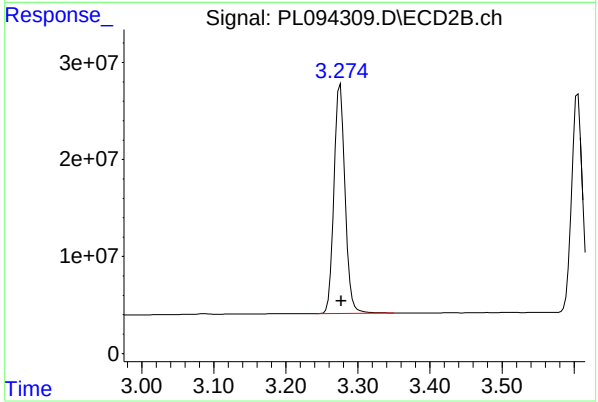
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: -0.001 min
Response: 64541691
Conc: 19.77 ng/ml



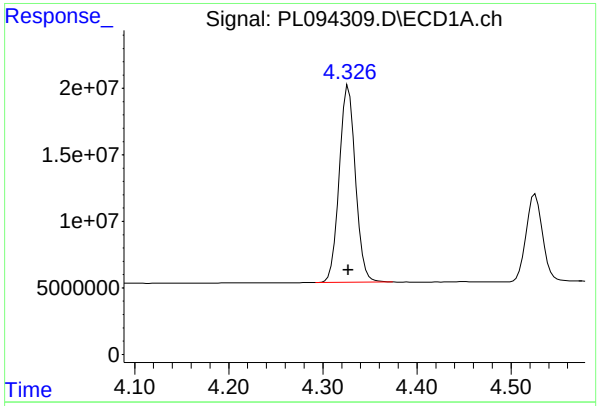
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 185125926
Conc: 48.29 ng/ml



#2 alpha-BHC

R.T.: 3.275 min
Delta R.T.: -0.001 min
Response: 249828392
Conc: 51.10 ng/ml



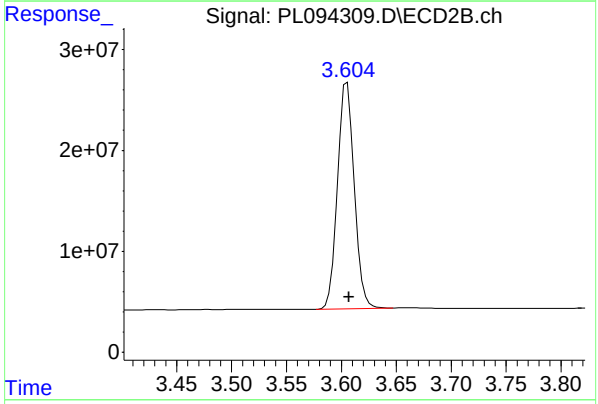
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 177058147
Conc: 48.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166775BS

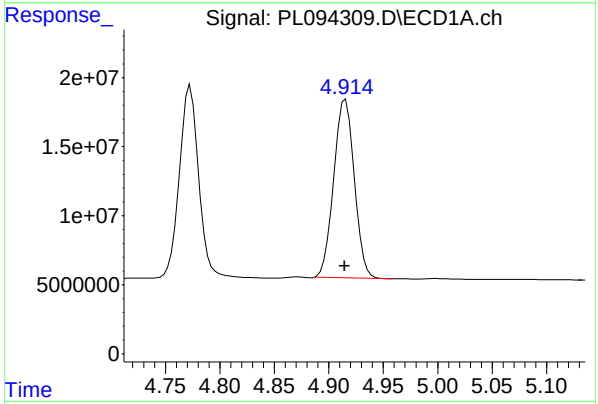
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/24/2025



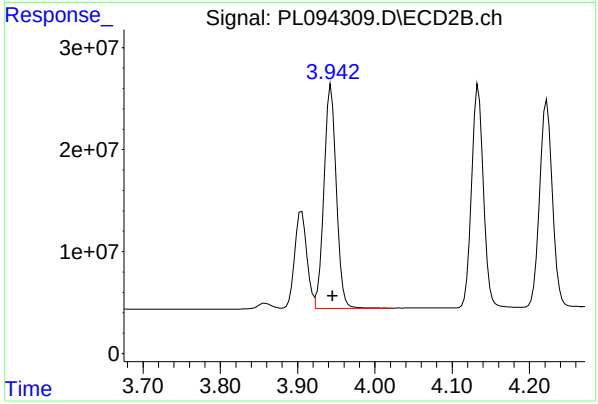
#3 gamma-BHC (Lindane)

R.T.: 3.605 min
Delta R.T.: -0.002 min
Response: 237969134
Conc: 50.19 ng/ml



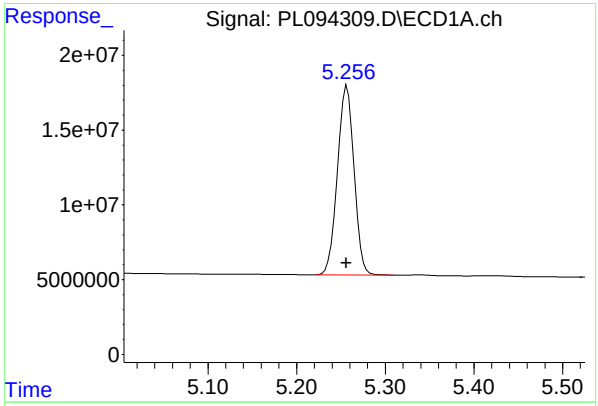
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 169264941
Conc: 51.65 ng/ml



#4 Heptachlor

R.T.: 3.943 min
Delta R.T.: -0.002 min
Response: 245247697
Conc: 52.69 ng/ml



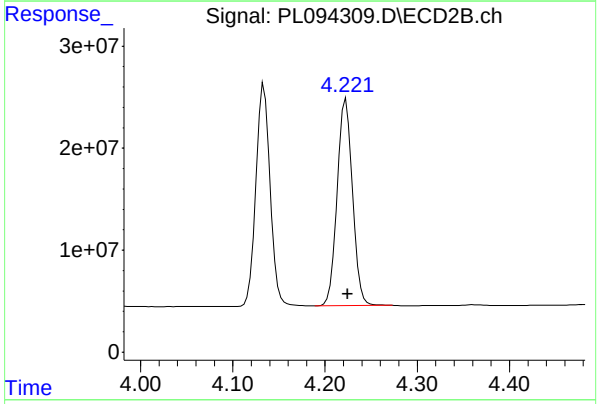
#5 Aldrin

R.T.: 5.257 min
Delta R.T.: 0.001 min
Response: 164553767
Conc: 50.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166775BS

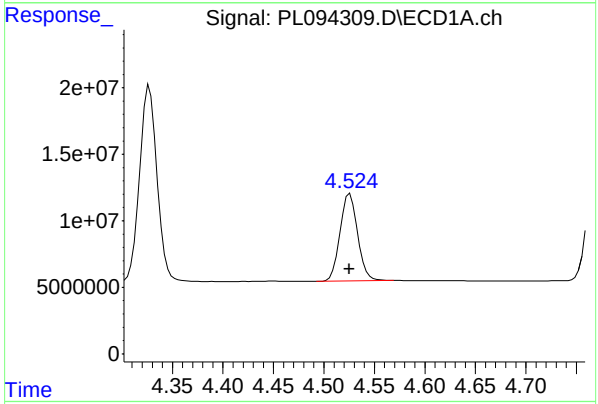
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/24/2025



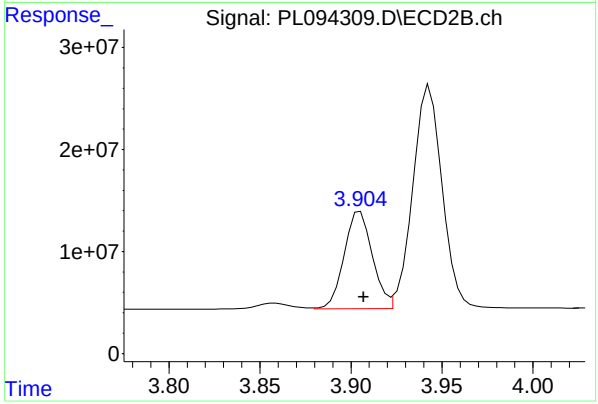
#5 Aldrin

R.T.: 4.223 min
Delta R.T.: -0.002 min
Response: 233601102
Conc: 51.21 ng/ml



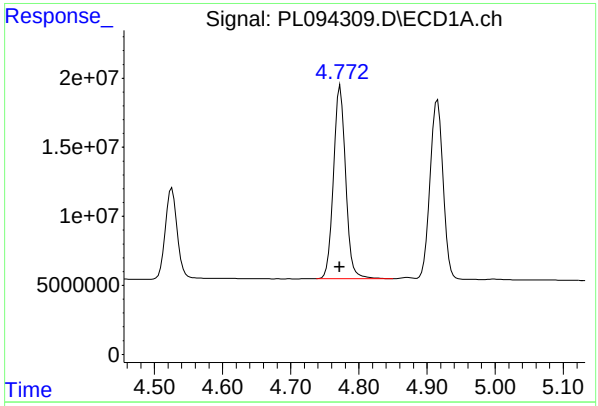
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 79805026
Conc: 49.65 ng/ml



#6 beta-BHC

R.T.: 3.905 min
Delta R.T.: -0.002 min
Response: 103365581
Conc: 51.75 ng/ml



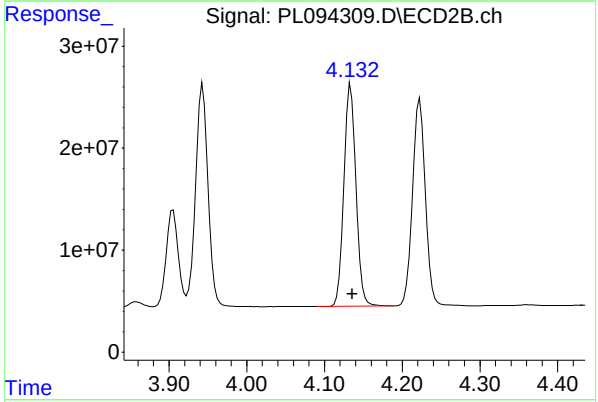
#7 delta-BHC

R.T.: 4.773 min
Delta R.T.: 0.001 min
Response: 172580120
Conc: 49.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166775BS

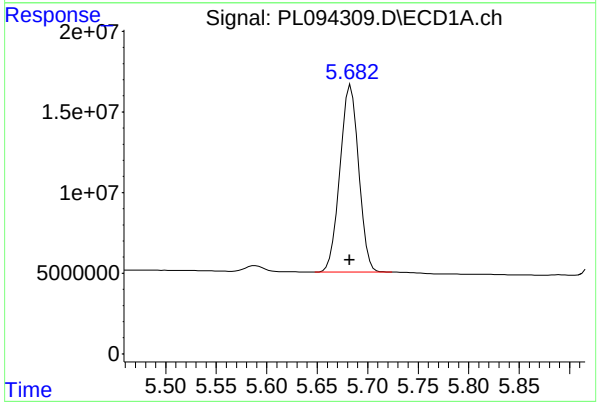
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/24/2025



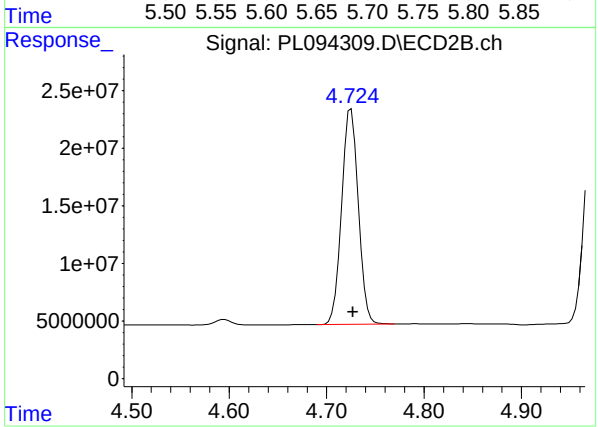
#7 delta-BHC

R.T.: 4.134 min
Delta R.T.: -0.002 min
Response: 233623442
Conc: 49.17 ng/ml



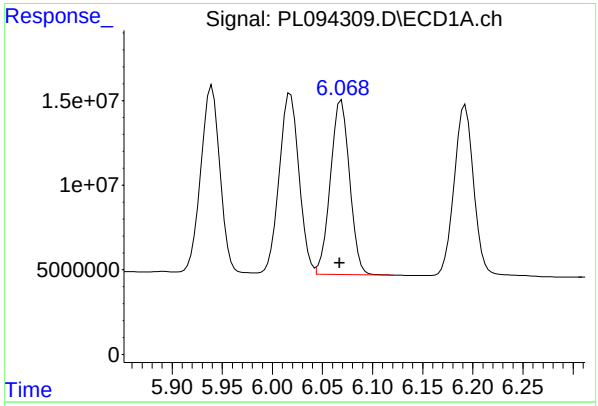
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.001 min
Response: 150168497
Conc: 50.50 ng/ml



#8 Heptachlor epoxide

R.T.: 4.725 min
Delta R.T.: -0.002 min
Response: 222741551
Conc: 53.28 ng/ml



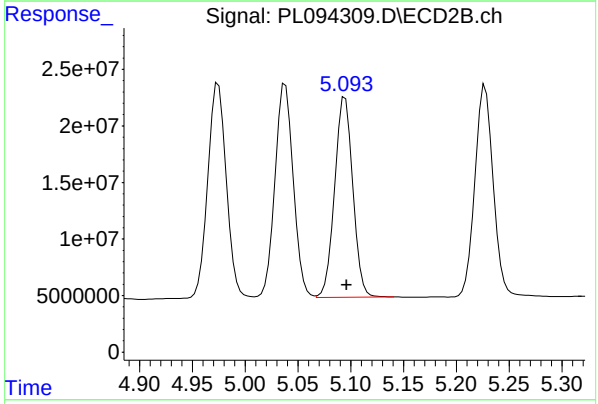
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.002 min
Response: 136461216
Conc: 51.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166775BS

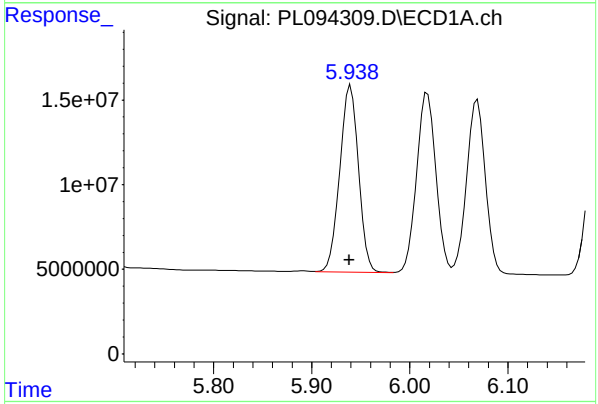
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/24/2025



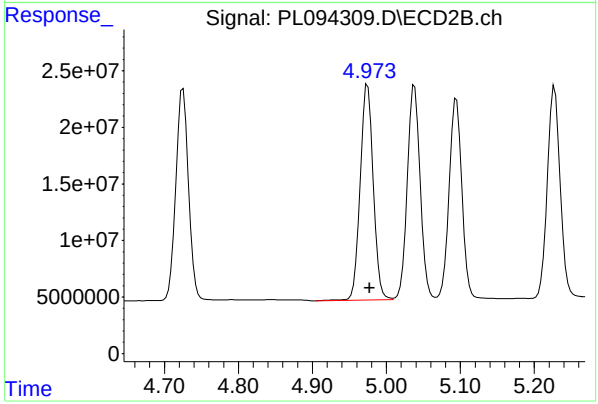
#9 Endosulfan I

R.T.: 5.095 min
Delta R.T.: -0.002 min
Response: 212545164
Conc: 54.82 ng/ml



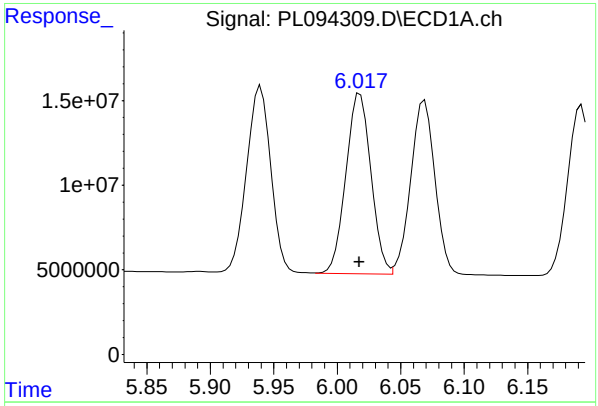
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.001 min
Response: 146680543
Conc: 52.62 ng/ml



#10 gamma-Chlordane

R.T.: 4.975 min
Delta R.T.: -0.002 min
Response: 234961261
Conc: 55.45 ng/ml



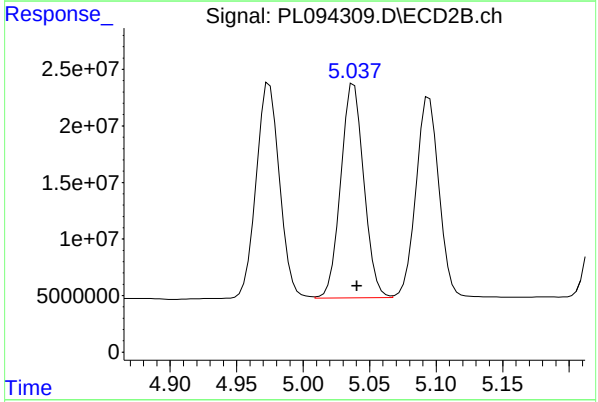
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 146376172
Conc: 52.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166775BS

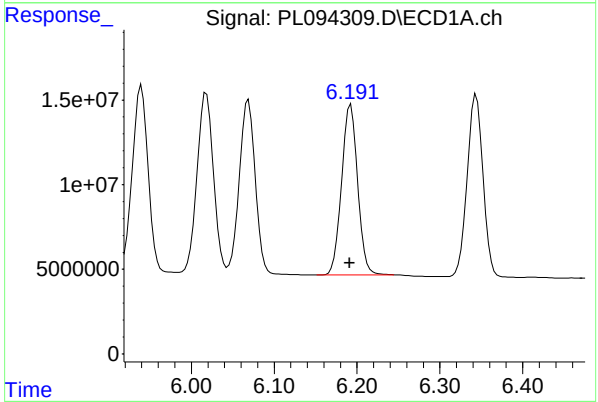
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/24/2025



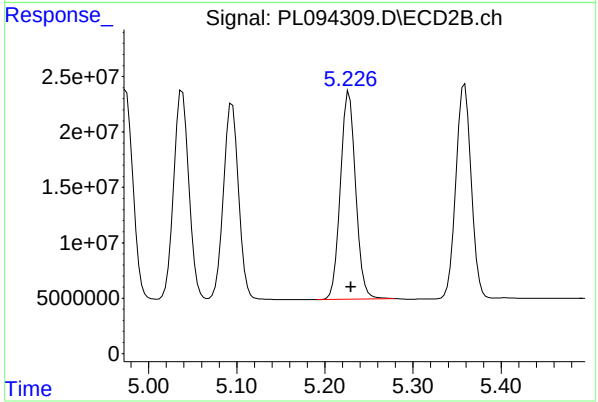
#11 alpha-Chlordane

R.T.: 5.038 min
Delta R.T.: -0.002 min
Response: 229439389
Conc: 54.80 ng/ml



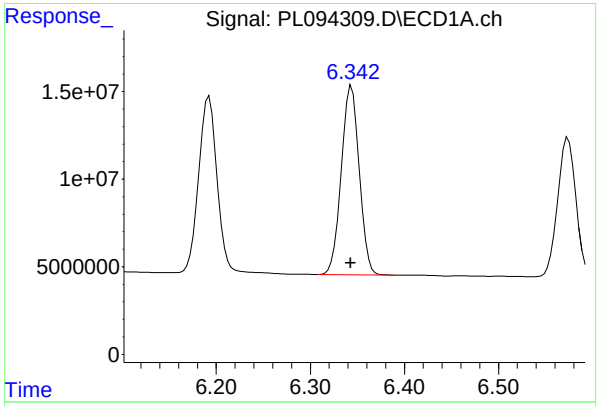
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.001 min
Response: 135580885
Conc: 55.69 ng/ml



#12 4,4'-DDE

R.T.: 5.227 min
Delta R.T.: -0.002 min
Response: 225526926
Conc: 56.25 ng/ml



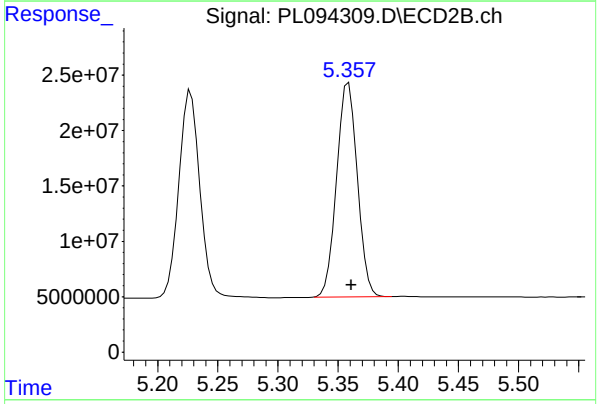
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.001 mi
Response: 143104689
Conc: 51.55 ng/m

Instrument :
ECD_L
ClientSampleId :
PB166775BS

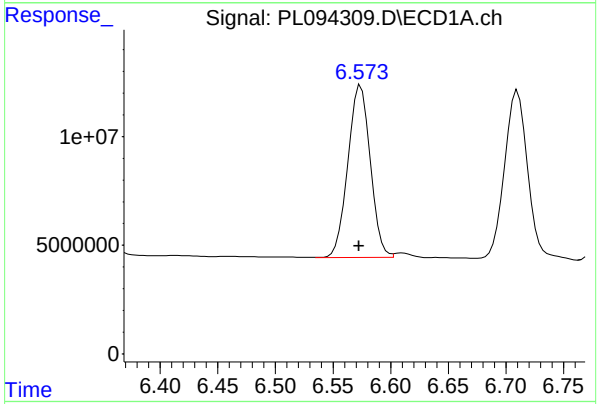
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/24/2025



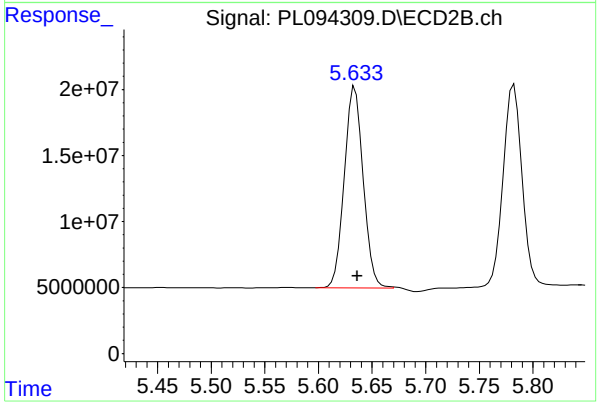
#13 Dieldrin

R.T.: 5.359 min
Delta R.T.: -0.002 min
Response: 232495053
Conc: 54.12 ng/ml



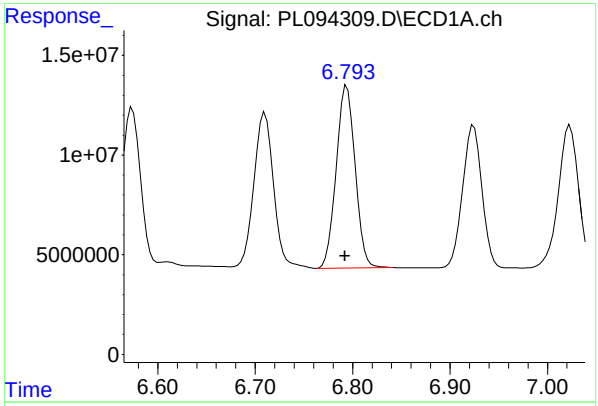
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 107545622
Conc: 45.87 ng/ml m



#14 Endrin

R.T.: 5.633 min
Delta R.T.: -0.004 min
Response: 186910923
Conc: 50.62 ng/ml m



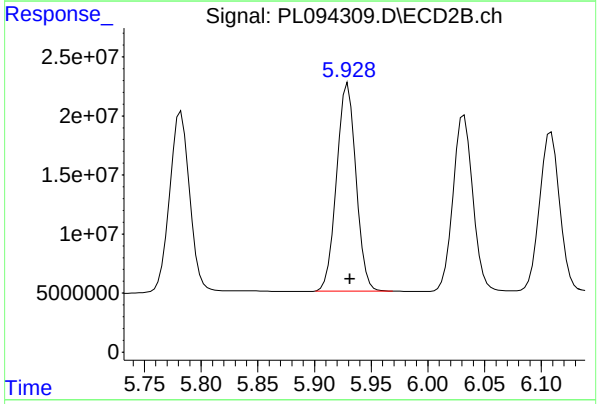
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.002 min
Response: 123376488
Conc: 51.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166775BS

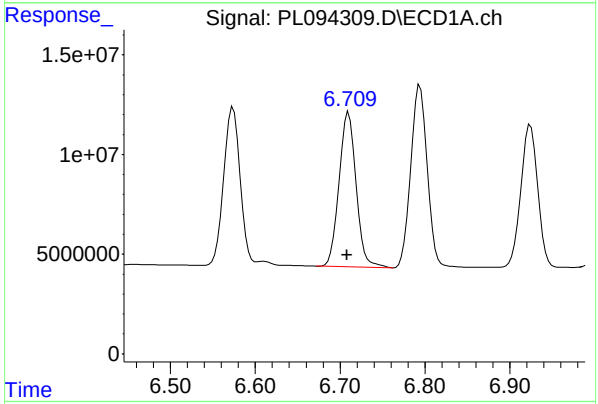
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/24/2025



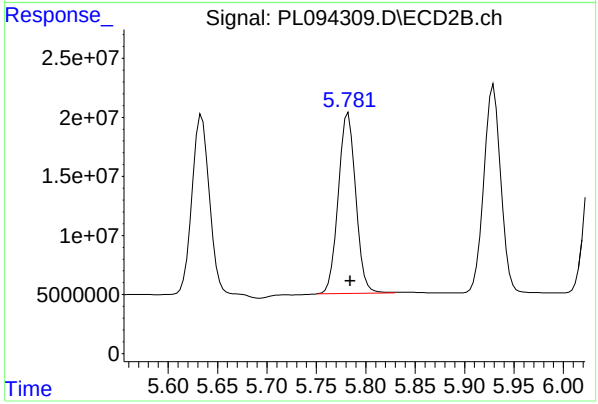
#15 Endosulfan II

R.T.: 5.929 min
Delta R.T.: -0.002 min
Response: 209197914
Conc: 56.48 ng/ml



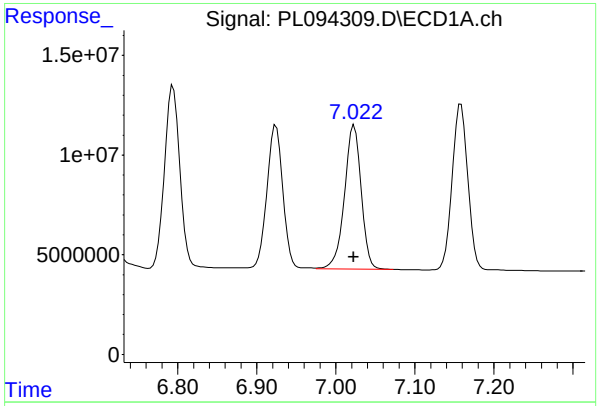
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.002 min
Response: 108619066
Conc: 57.15 ng/ml



#16 4,4'-DDD

R.T.: 5.782 min
Delta R.T.: -0.002 min
Response: 187798364
Conc: 59.50 ng/ml



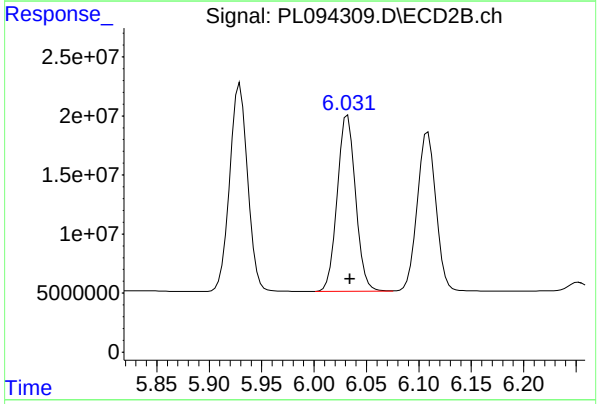
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 105515118
Conc: 53.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166775BS

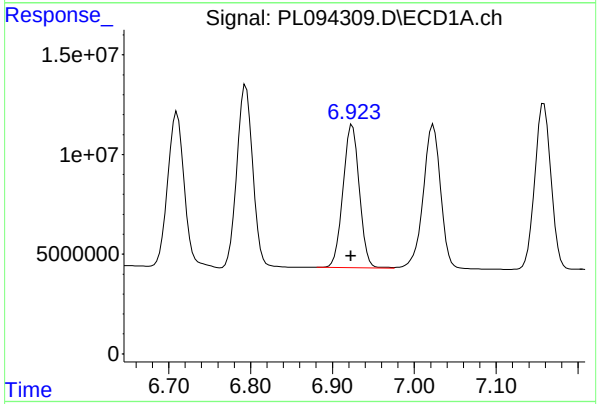
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/24/2025



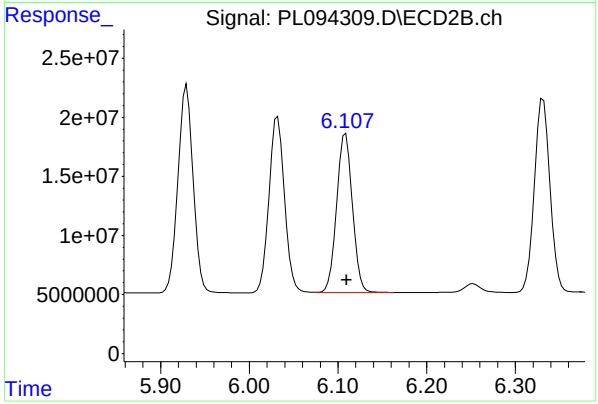
#17 4,4'-DDT

R.T.: 6.032 min
Delta R.T.: -0.002 min
Response: 181775567
Conc: 55.86 ng/ml



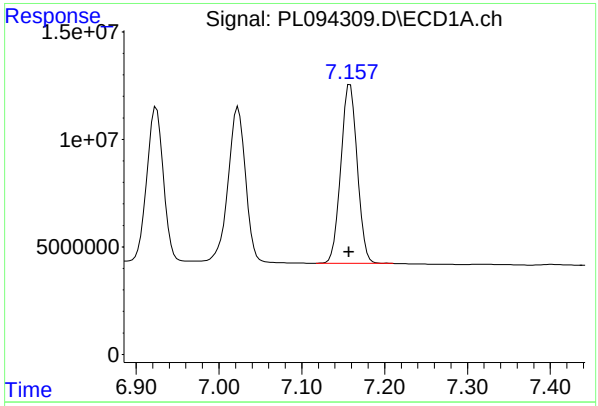
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.002 min
Response: 99767264
Conc: 51.32 ng/ml



#18 Endrin aldehyde

R.T.: 6.109 min
Delta R.T.: -0.001 min
Response: 166360981
Conc: 54.64 ng/ml



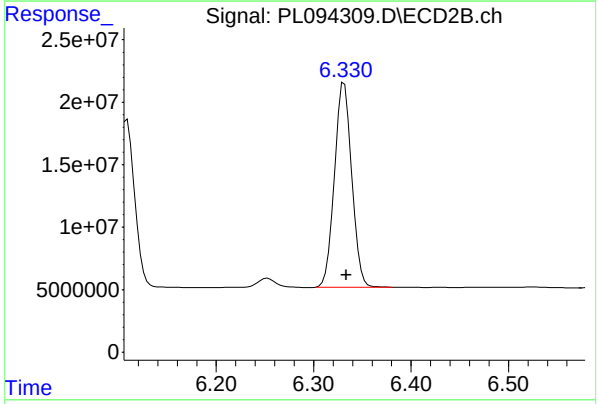
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.001 min
Response: 114782013
Conc: 50.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166775BS

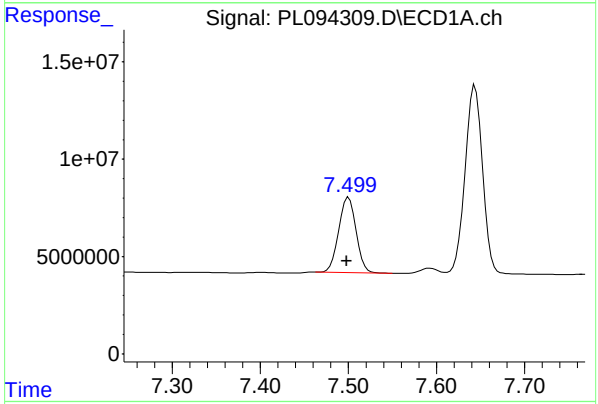
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/24/2025



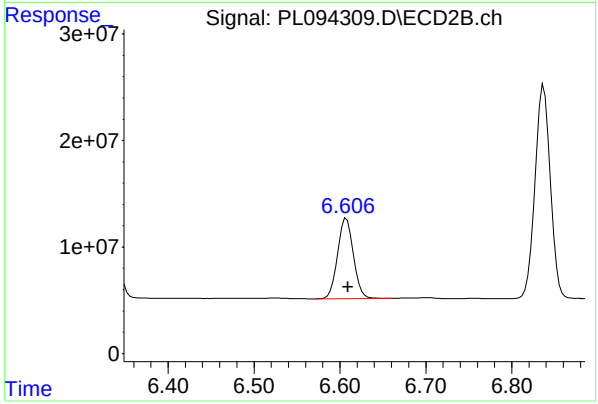
#19 Endosulfan Sulfate

R.T.: 6.331 min
Delta R.T.: -0.002 min
Response: 201601973
Conc: 56.53 ng/ml



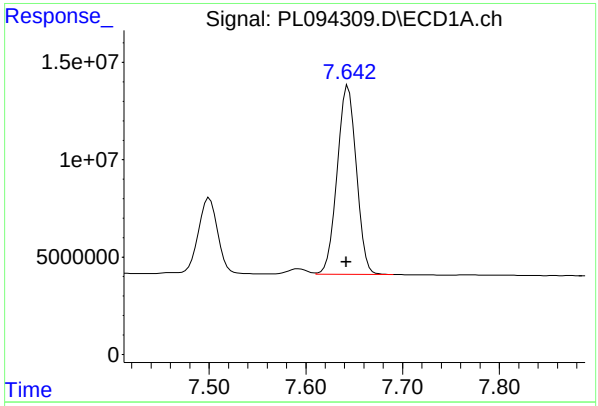
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.002 min
Response: 52804643
Conc: 50.61 ng/ml



#20 Methoxychlor

R.T.: 6.608 min
Delta R.T.: -0.002 min
Response: 96508336
Conc: 53.97 ng/ml



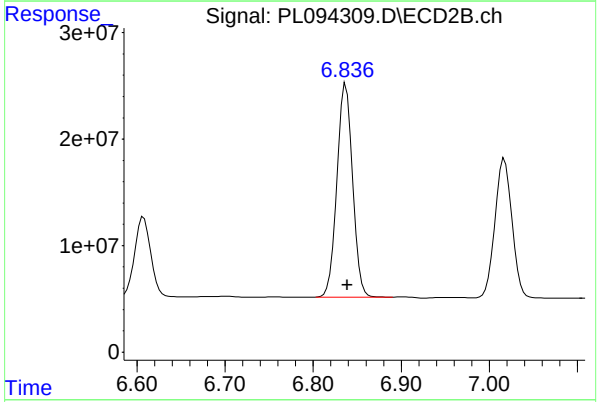
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.002 min
Response: 133199620
Conc: 52.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166775BS

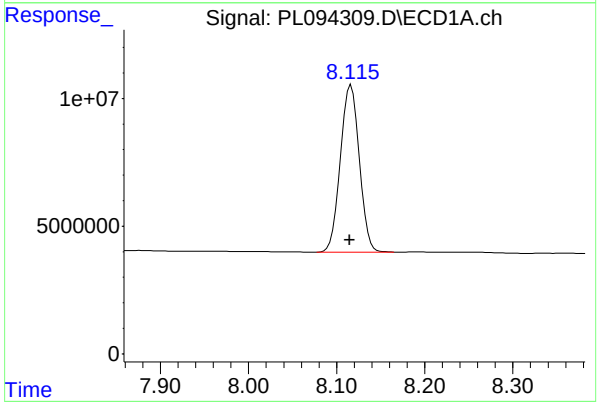
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/24/2025



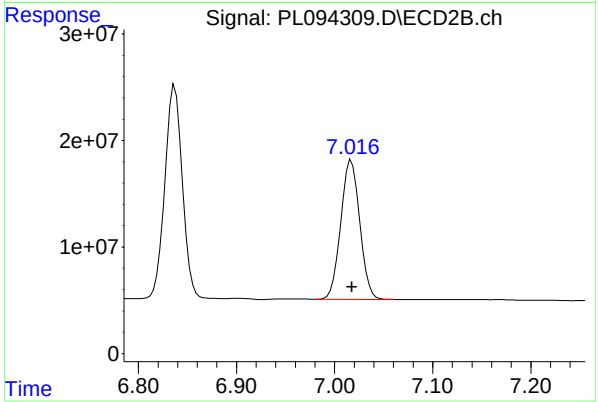
#21 Endrin ketone

R.T.: 6.837 min
Delta R.T.: -0.002 min
Response: 247588210
Conc: 59.02 ng/ml



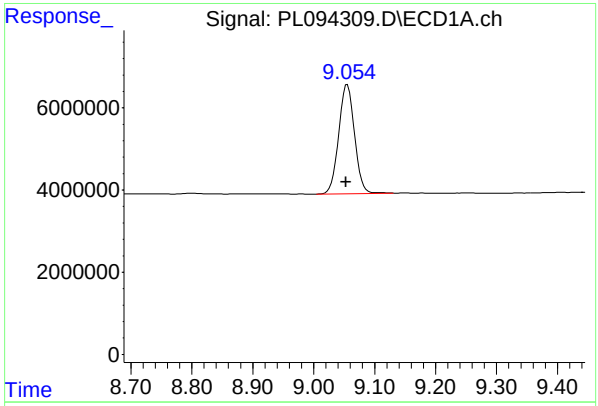
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.002 min
Response: 98152968
Conc: 47.13 ng/ml



#22 Mirex

R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 175985173
Conc: 52.04 ng/ml



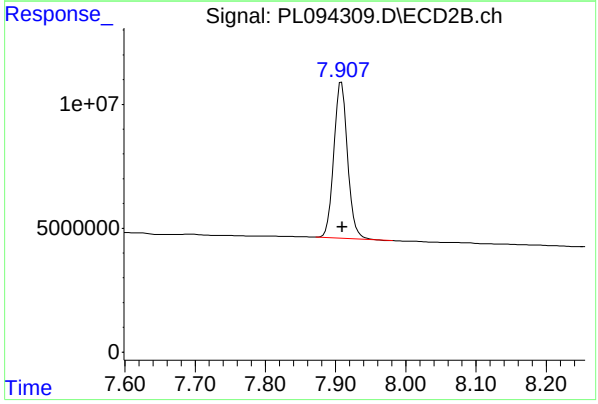
#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.002 mi
Response: 48054692
Conc: 22.97 ng/m

Instrument :
ECD_L
ClientSampleId :
PB166775BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/21/2025
Supervised By :Ankita Jodhani 02/24/2025



#28 Decachlorobiphenyl

R.T.: 7.908 min
Delta R.T.: -0.001 min
Response: 85221513
Conc: 24.32 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-11-021725MS	SDG No.:	Q1383
Lab Sample ID:	Q1383-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.6 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
PL094283.D	1	02/19/25 09:40	02/19/25 20:29	PB166775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.016		0.00019	0.00089	0.0018	mg/Kg
319-85-7	beta-BHC	0.016		0.00053	0.00089	0.0018	mg/Kg
319-86-8	delta-BHC	0.016		0.00051	0.00089	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.016		0.00020	0.00089	0.0018	mg/Kg
76-44-8	Heptachlor	0.017		0.00018	0.00089	0.0018	mg/Kg
309-00-2	Aldrin	0.016		0.00015	0.00089	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.016		0.00025	0.00089	0.0018	mg/Kg
959-98-8	Endosulfan I	0.017		0.00018	0.00089	0.0018	mg/Kg
60-57-1	Dieldrin	0.017		0.00016	0.00089	0.0018	mg/Kg
72-55-9	4,4-DDE	0.017		0.00014	0.00089	0.0018	mg/Kg
72-20-8	Endrin	0.018		0.00017	0.00089	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.018		0.00032	0.00089	0.0018	mg/Kg
72-54-8	4,4-DDD	0.017		0.00020	0.00089	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.017		0.00014	0.00089	0.0018	mg/Kg
50-29-3	4,4-DDT	0.019		0.00018	0.00089	0.0018	mg/Kg
72-43-5	Methoxychlor	0.018		0.00041	0.00089	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.016		0.00024	0.00089	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.016		0.00042	0.00089	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.017		0.00018	0.00089	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.017		0.00020	0.00089	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0056	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.9		55 - 130		110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.5		42 - 129		112%	SPK: 20

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-11-021725MS	SDG No.:	Q1383
Lab Sample ID:	Q1383-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.6 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
PL094283.D	1	02/19/25 09:40	02/19/25 20:29	PB166775

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

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094283.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 20:29
Operator : AR\AJ
Sample : Q1383-01MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:18:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.772	59038415	73404942	21.925m	22.488
28)	SA Decachlor...	9.050	7.905	45917399	74745275	21.950	21.331
	Target Compounds						
2)	A alpha-BHC	3.992	3.274	158.7E6	216.3E6	41.390	44.242
3)	MA gamma-BHC...	4.325	3.604	153.0E6	206.6E6	41.533	43.578
4)	MA Heptachlor	4.911	3.941	148.9E6	213.3E6	45.448m	45.826
5)	MB Aldrin	5.253	4.221	140.7E6	200.5E6	43.009	43.949
6)	B beta-BHC	4.523	3.903	70548312	90690778	43.892	45.404
7)	B delta-BHC	4.770	4.132	150.1E6	205.9E6	42.812	43.333
8)	B Heptachlo...	5.680	4.723	130.5E6	190.6E6	43.876	45.587
9)	A Endosulfan I	6.065	5.093	115.5E6	180.2E6	43.711	46.469
10)	B gamma-Chl...	5.936	4.973	129.2E6	205.3E6	46.347	48.447
11)	B alpha-Chl...	6.015	5.036	124.6E6	197.7E6	44.672	47.213
12)	B 4,4'-DDE	6.189	5.225	117.1E6	189.3E6	48.086	47.208
13)	MA Dieldrin	6.340	5.357	121.7E6	197.9E6	43.852	46.069
14)	MA Endrin	6.569	5.631	106.6E6	181.2E6	45.462m	49.083m
15)	B Endosulfa...	6.789	5.926	104.7E6	182.7E6	43.475m	49.324m
16)	A 4,4'-DDD	6.706	5.780	91750668	152.7E6	48.276	48.376
17)	MA 4,4'-DDT	7.020	6.030	96974064	167.3E6	49.174	51.414
18)	B Endrin al...	6.920	6.106	81934870	131.7E6	42.146	43.246
19)	B Endosulfa...	7.155	6.329	99038645	165.8E6	43.750	46.481
20)	A Methoxychlor	7.496	6.605	51457324	85483045	49.317	47.806
21)	B Endrin ke...	7.639	6.834	109.9E6	190.3E6	43.550	45.364
22)	Mirex	8.112	7.014	84910182	144.4E6	40.773	42.692

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

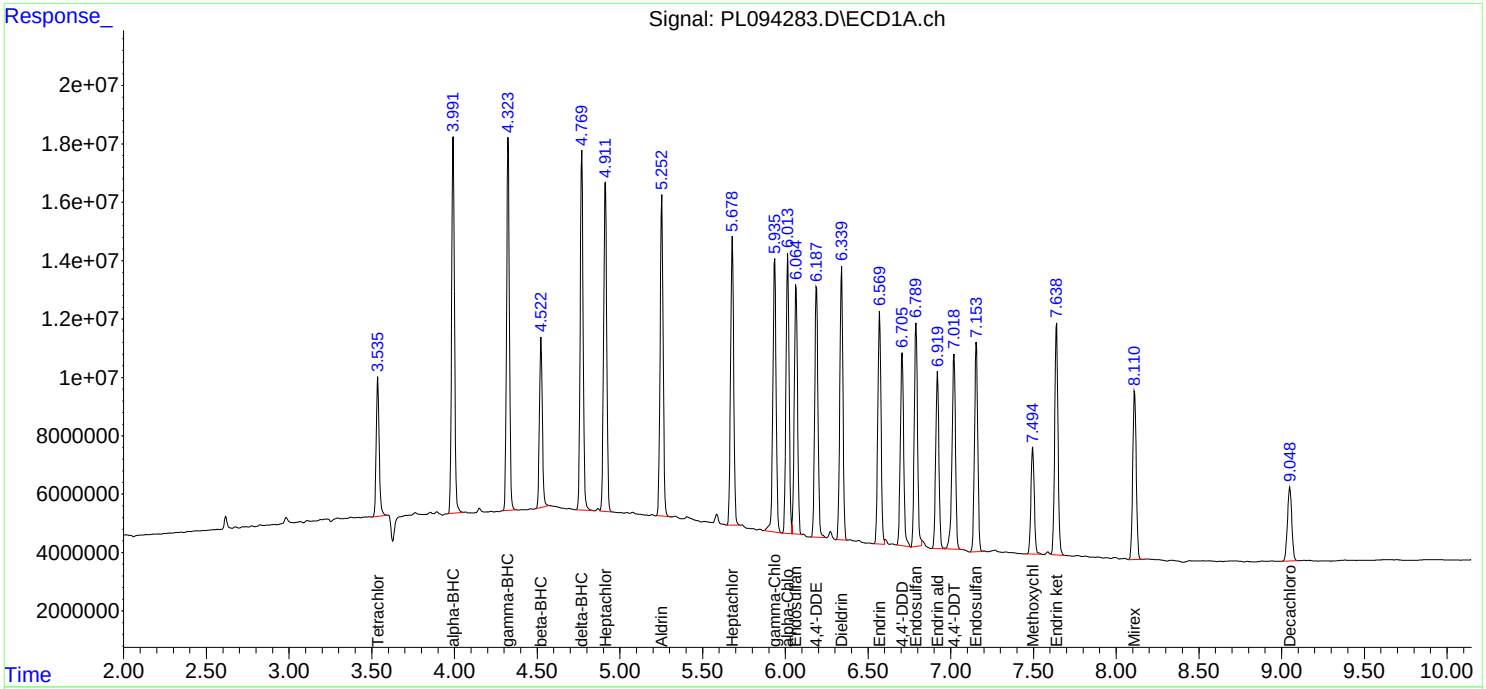
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094283.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 20:29
Operator : AR\AJ
Sample : Q1383-01MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

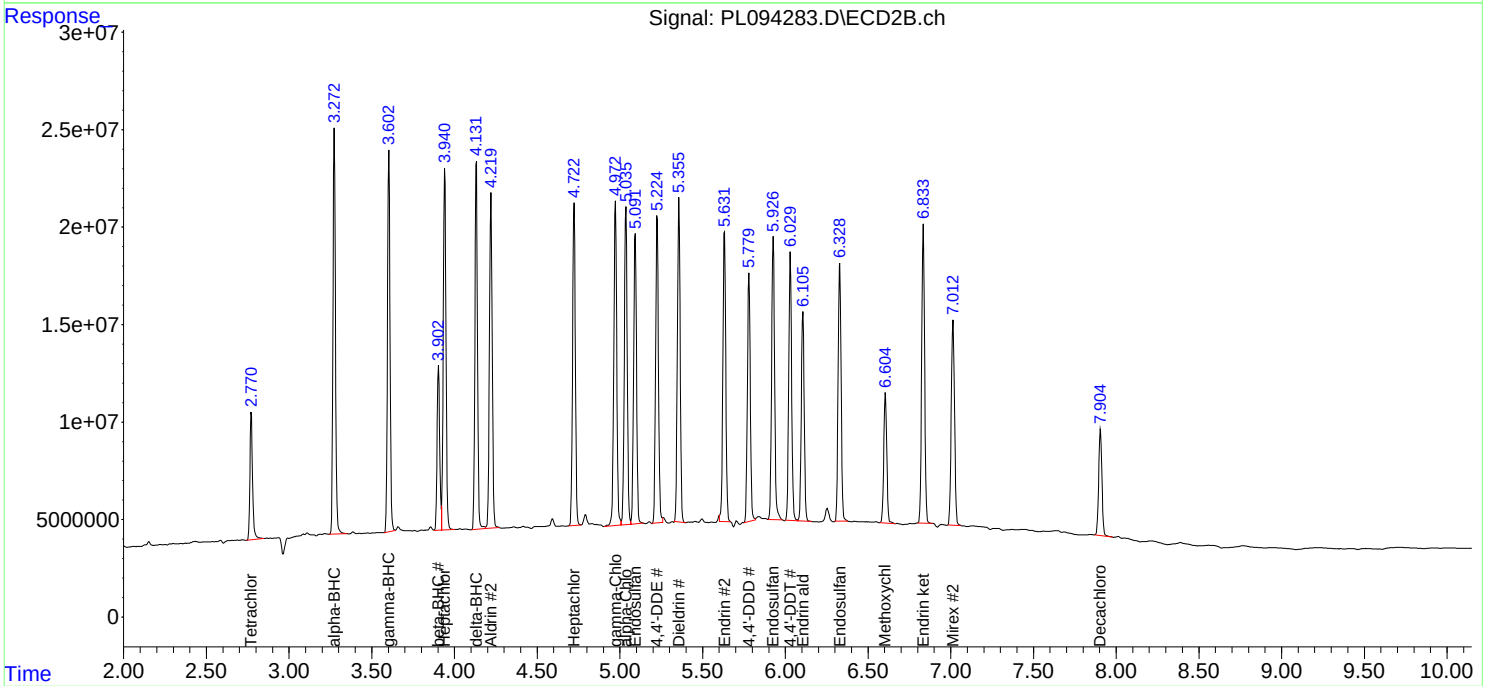
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS

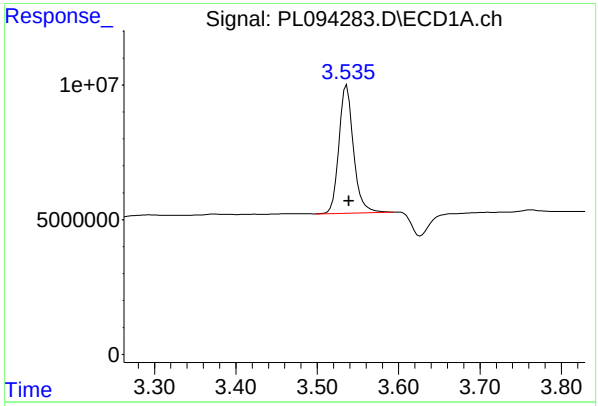
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:18:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.004 min
Response: 59038415
Conc: 21.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS

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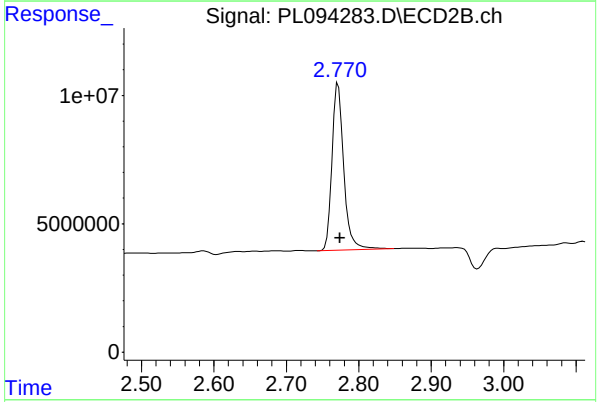
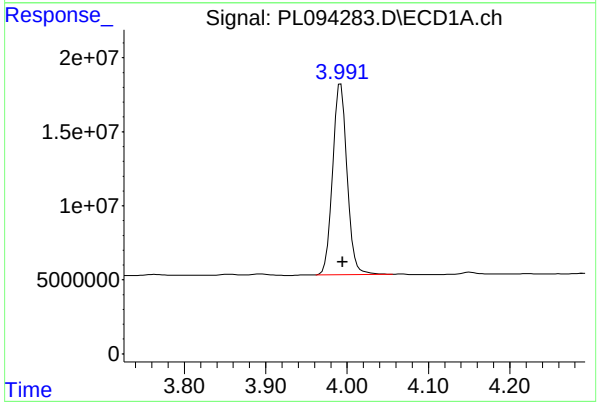


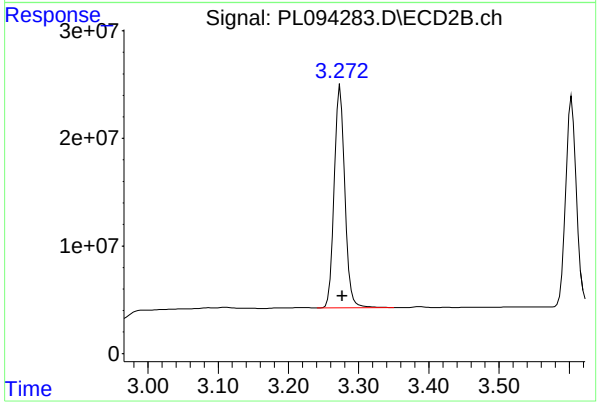
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 73404942
Conc: 22.49 ng/ml



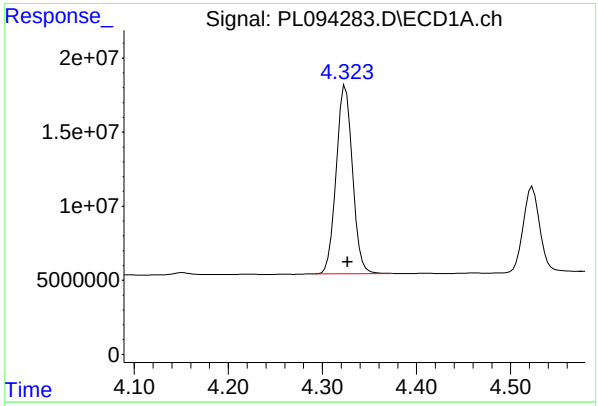
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 158682445
Conc: 41.39 ng/ml



#2 alpha-BHC

R.T.: 3.274 min
Delta R.T.: -0.003 min
Response: 216299097
Conc: 44.24 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 mi
Response: 152960122
Conc: 41.53 ng/m

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS

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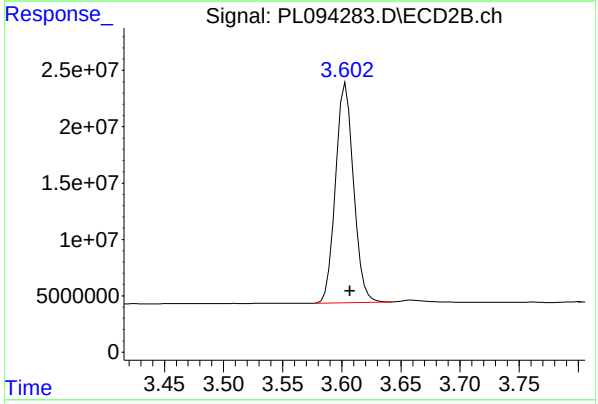
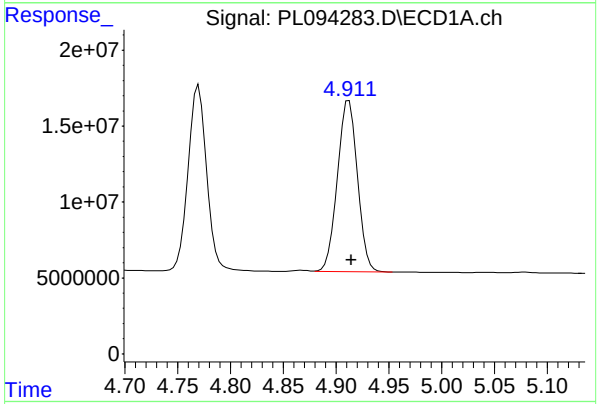


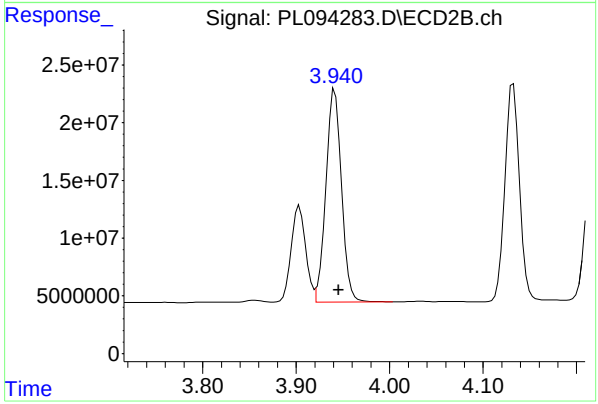
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: -0.004 min
Response: 206611615
Conc: 43.58 ng/ml



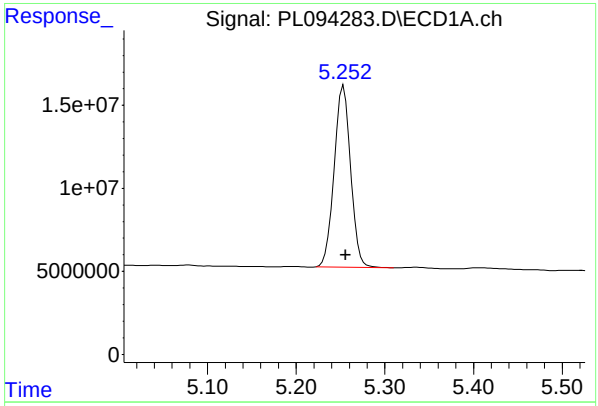
#4 Heptachlor

R.T.: 4.911 min
Delta R.T.: -0.004 min
Response: 148949228
Conc: 45.45 ng/ml m



#4 Heptachlor

R.T.: 3.941 min
Delta R.T.: -0.004 min
Response: 213308463
Conc: 45.83 ng/ml



#5 Aldrin

R.T.: 5.253 min
Delta R.T.: -0.002 min
Response: 140723800
Conc: 43.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS

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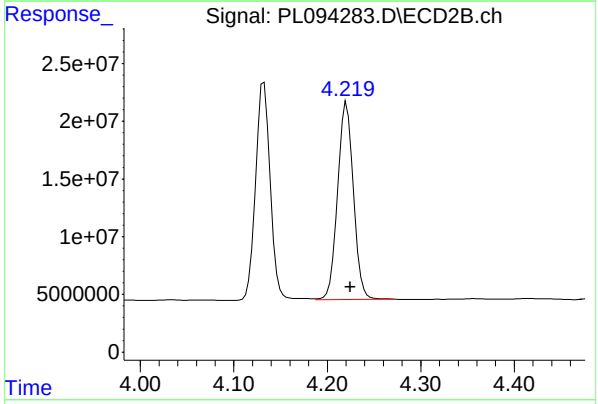
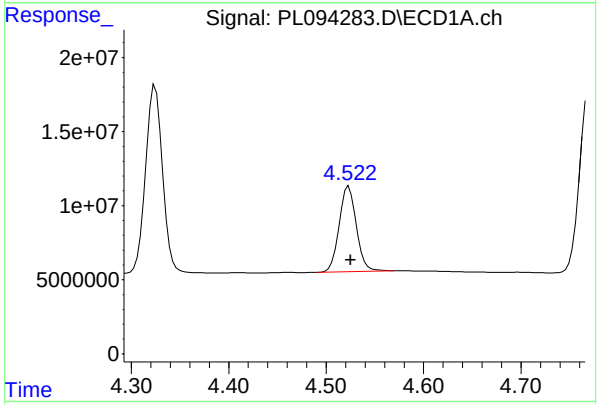


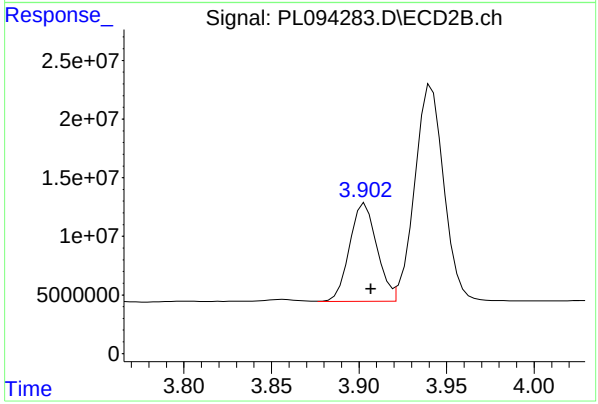
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: -0.004 min
Response: 200485763
Conc: 43.95 ng/ml



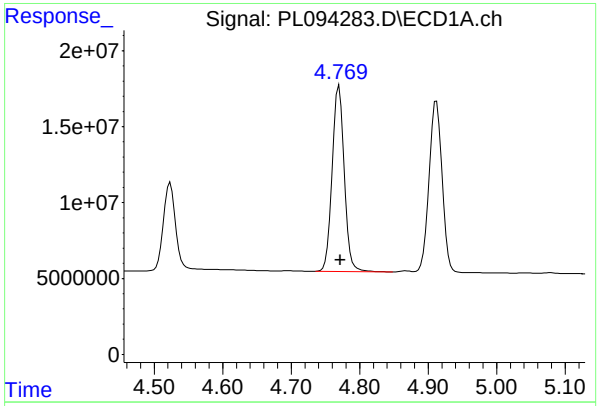
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 70548312
Conc: 43.89 ng/ml



#6 beta-BHC

R.T.: 3.903 min
Delta R.T.: -0.003 min
Response: 90690778
Conc: 45.40 ng/ml



#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: -0.002 min
Response: 150067682
Conc: 42.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS

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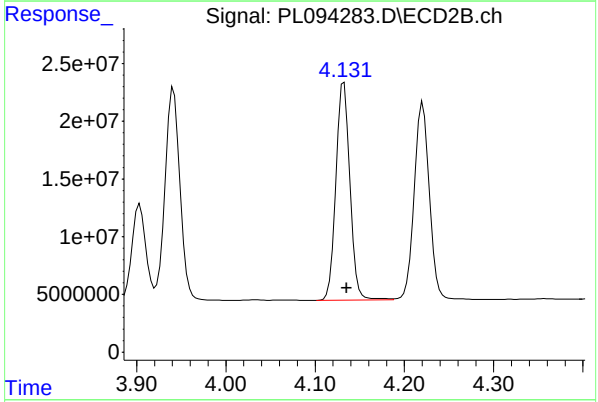
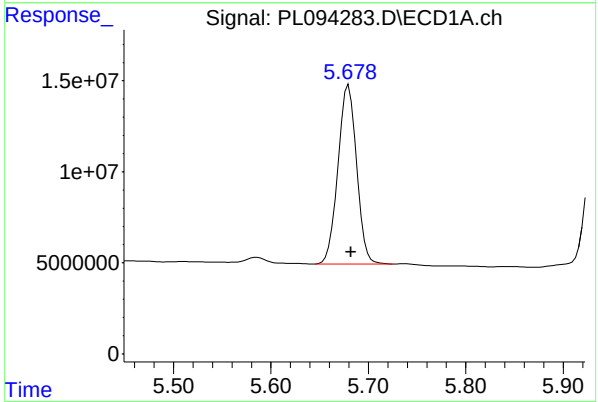


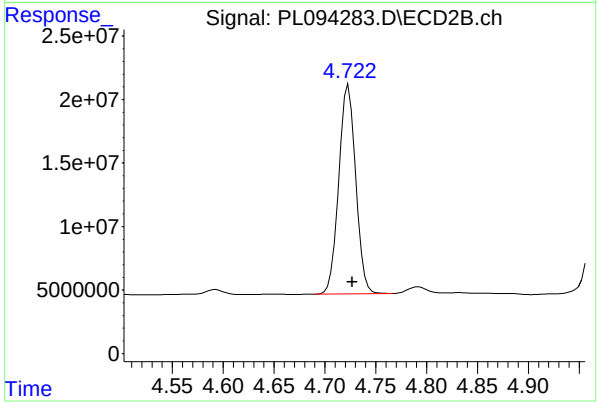
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.003 min
Response: 205884459
Conc: 43.33 ng/ml



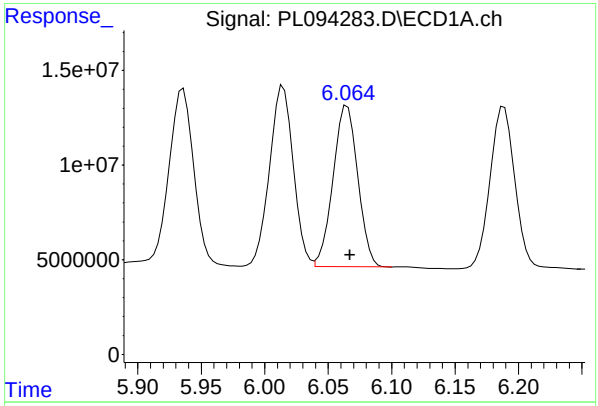
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.002 min
Response: 130480987
Conc: 43.88 ng/ml



#8 Heptachlor epoxide

R.T.: 4.723 min
Delta R.T.: -0.004 min
Response: 190564032
Conc: 45.59 ng/ml



#9 Endosulfan I

R.T.: 6.065 min
Delta R.T.: -0.002 min
Response: 115523010
Conc: 43.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS

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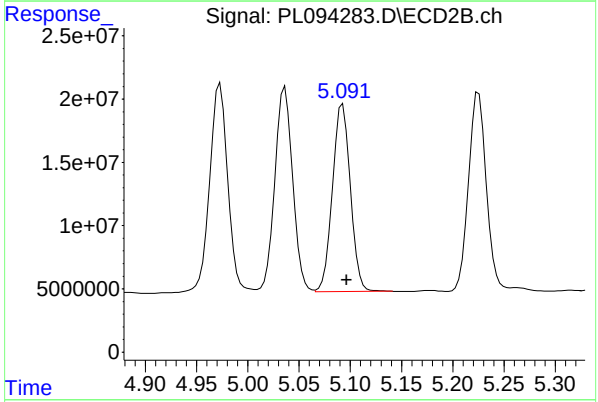
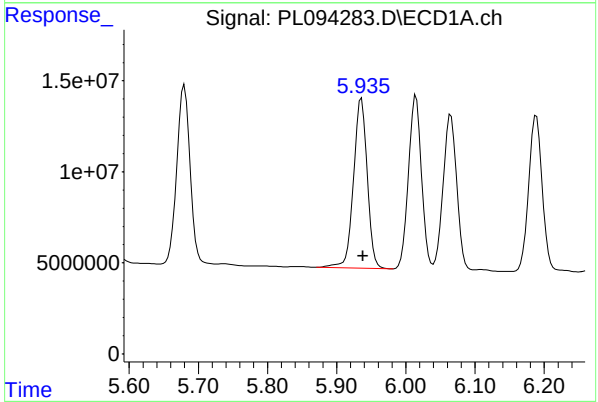


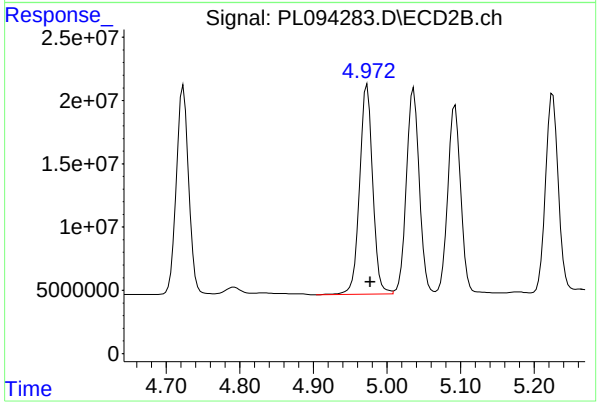
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: -0.004 min
Response: 180154864
Conc: 46.47 ng/ml



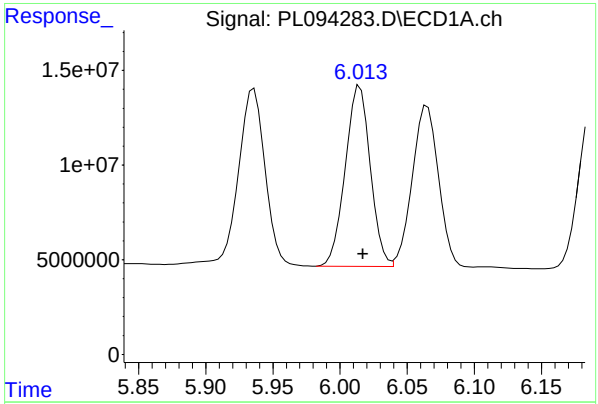
#10 gamma-Chlordane

R.T.: 5.936 min
Delta R.T.: -0.002 min
Response: 129186256
Conc: 46.35 ng/ml



#10 gamma-Chlordane

R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 205302048
Conc: 48.45 ng/ml



#11 alpha-Chlordane

R.T.: 6.015 min
Delta R.T.: -0.003 min
Response: 124564375
Conc: 44.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS

Manual Integrations APPROVED

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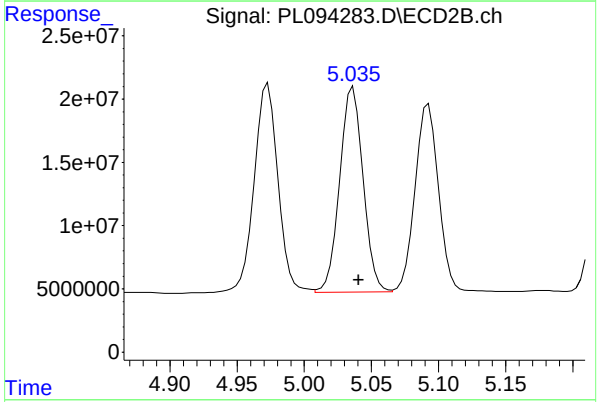
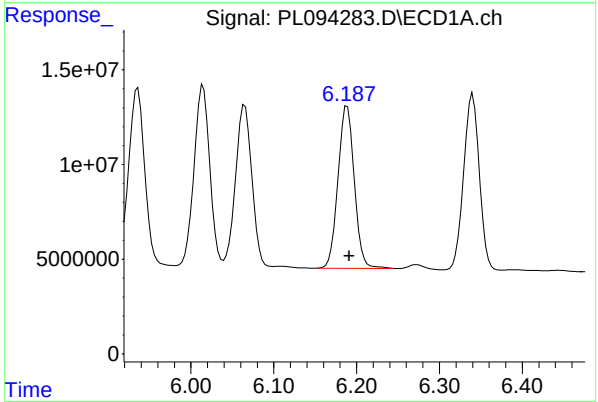


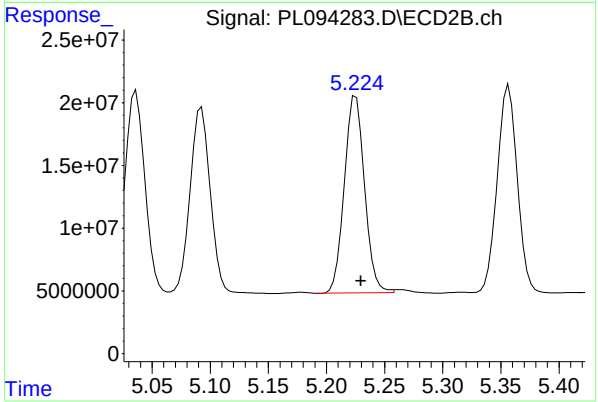
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: -0.004 min
Response: 197658395
Conc: 47.21 ng/ml



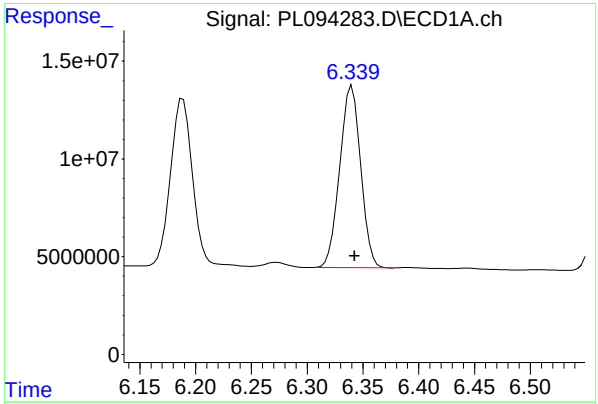
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.003 min
Response: 117070831
Conc: 48.09 ng/ml



#12 4,4'-DDE

R.T.: 5.225 min
Delta R.T.: -0.004 min
Response: 189277791
Conc: 47.21 ng/ml



#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: -0.003 mi
Response: 121726184
Conc: 43.85 ng/m

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS

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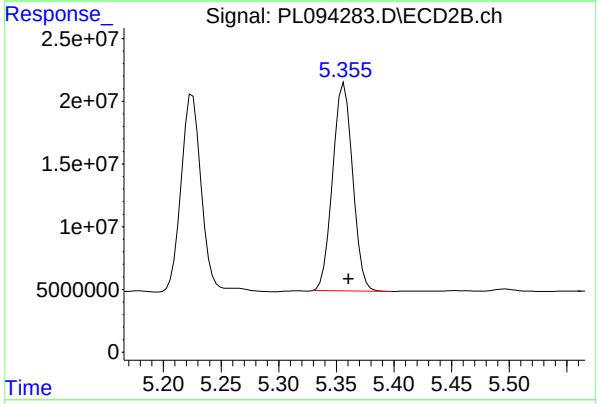
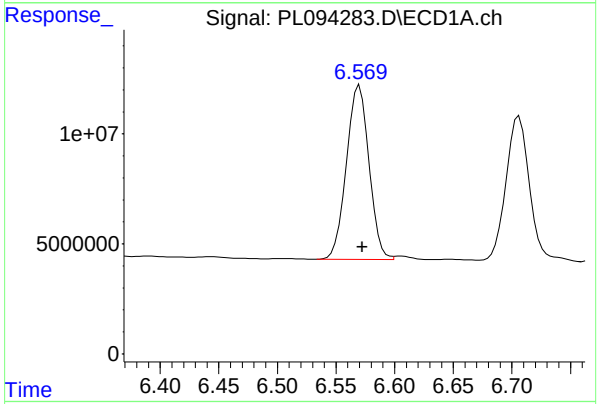


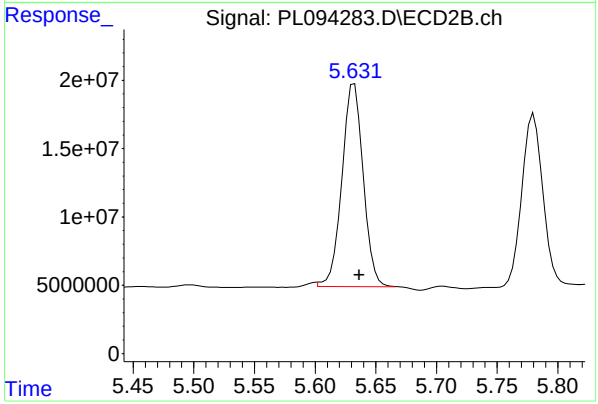
#13 Dieldrin

R.T.: 5.357 min
Delta R.T.: -0.004 min
Response: 197896568
Conc: 46.07 ng/ml



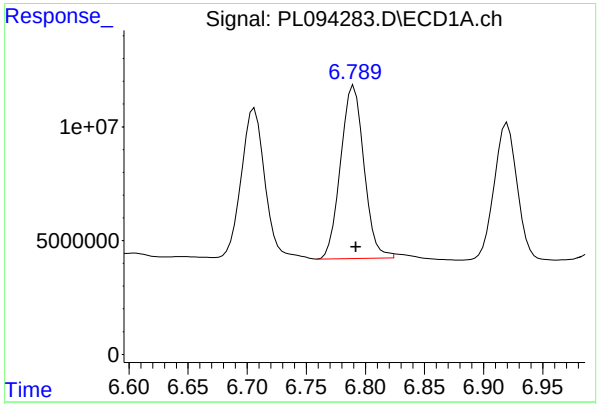
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.004 min
Response: 106599437
Conc: 45.46 ng/ml m



#14 Endrin

R.T.: 5.631 min
Delta R.T.: -0.006 min
Response: 181248222
Conc: 49.08 ng/ml m



#15 Endosulfan II

R.T.: 6.789 min
Delta R.T.: -0.003 mi
Response: 104745826
Conc: 43.47 ng/m

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS

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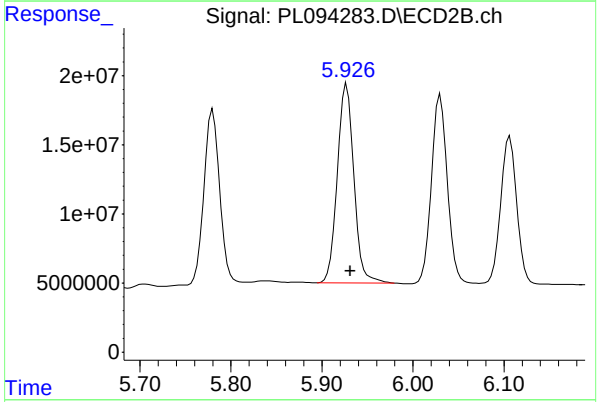
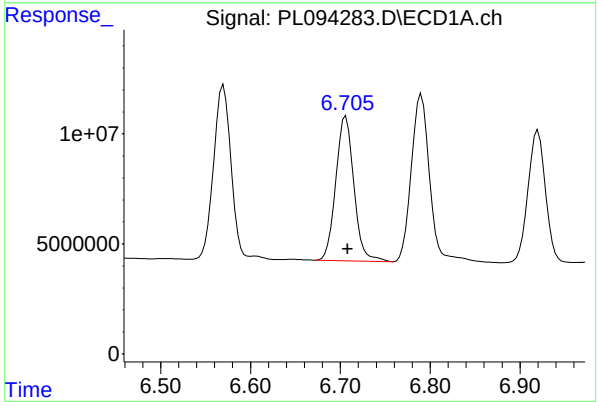


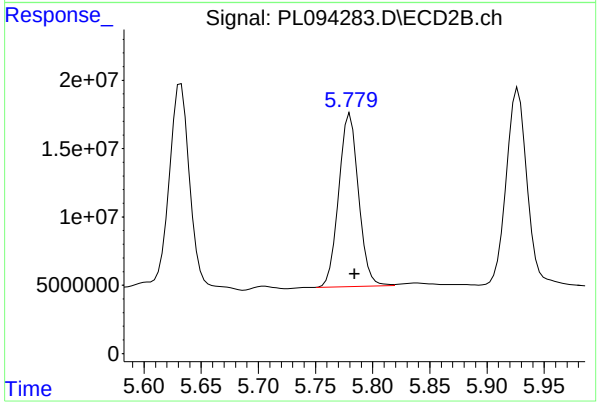
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: -0.006 min
Response: 182688556
Conc: 49.32 ng/ml m



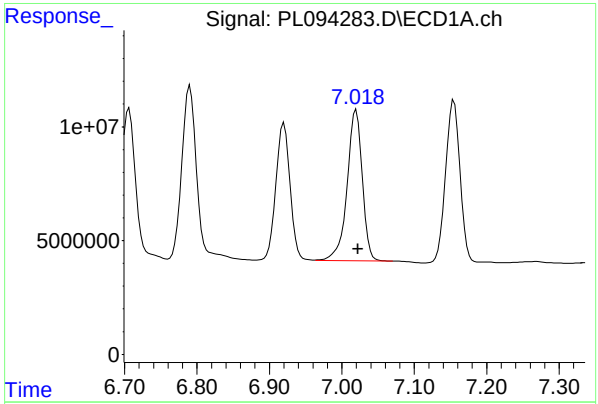
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.002 min
Response: 91750668
Conc: 48.28 ng/ml



#16 4,4'-DDD

R.T.: 5.780 min
Delta R.T.: -0.004 min
Response: 152699765
Conc: 48.38 ng/ml



#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 96974064
Conc: 49.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS

Manual Integrations APPROVED

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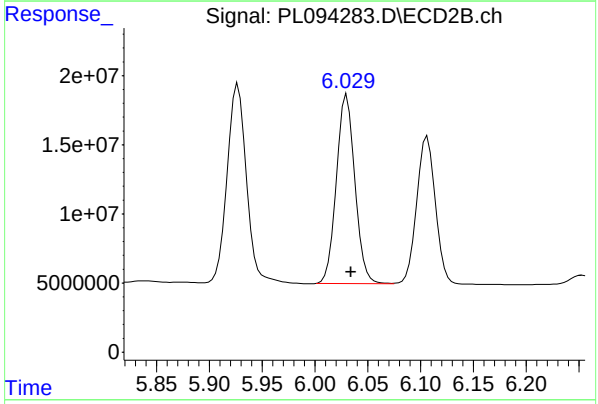
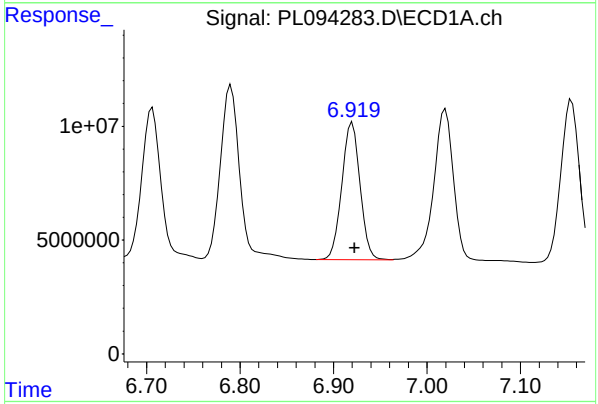


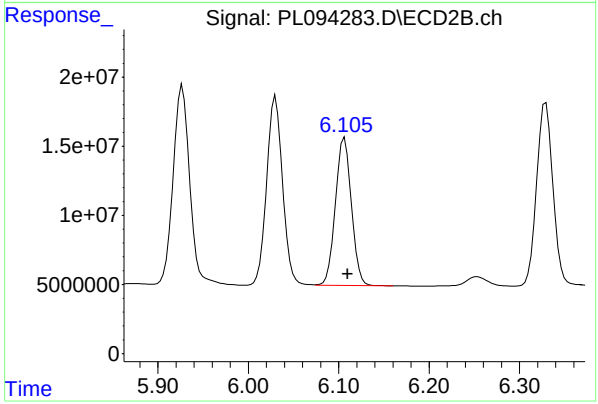
#17 4,4'-DDT

R.T.: 6.030 min
Delta R.T.: -0.004 min
Response: 167303417
Conc: 51.41 ng/ml



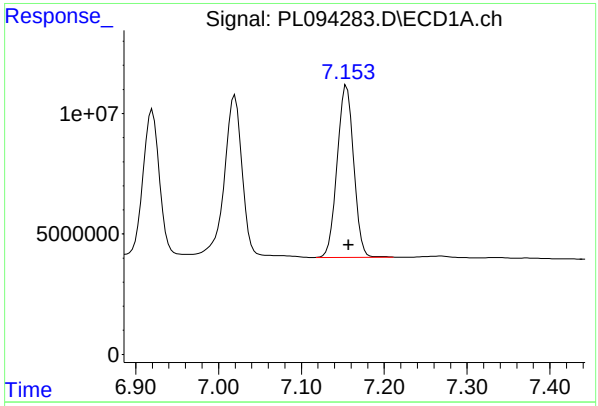
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: -0.003 min
Response: 81934870
Conc: 42.15 ng/ml



#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: -0.004 min
Response: 131668853
Conc: 43.25 ng/ml



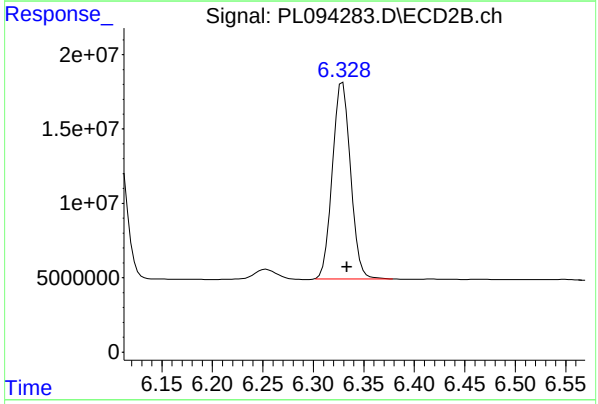
#19 Endosulfan Sulfate

R.T.: 7.155 min
Delta R.T.: -0.003 min
Response: 99038645
Conc: 43.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS

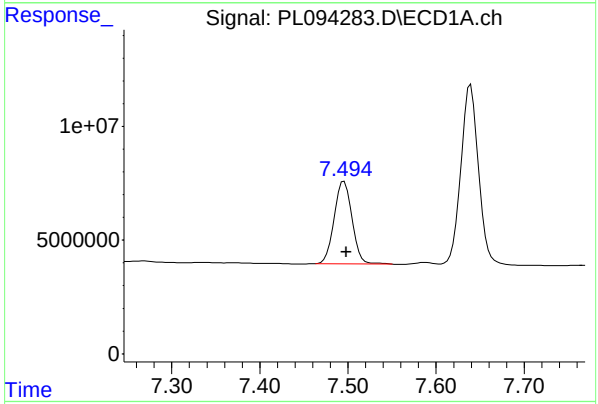
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



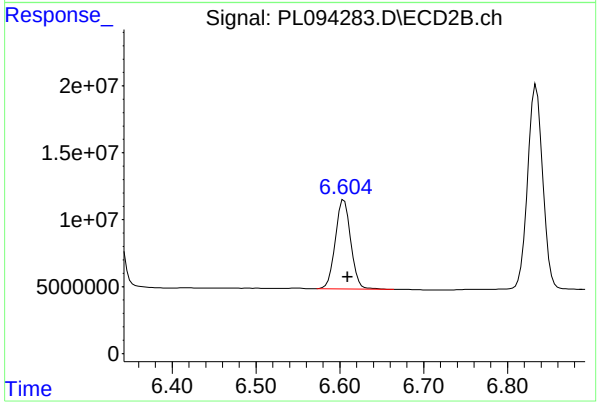
#19 Endosulfan Sulfate

R.T.: 6.329 min
Delta R.T.: -0.004 min
Response: 165756201
Conc: 46.48 ng/ml



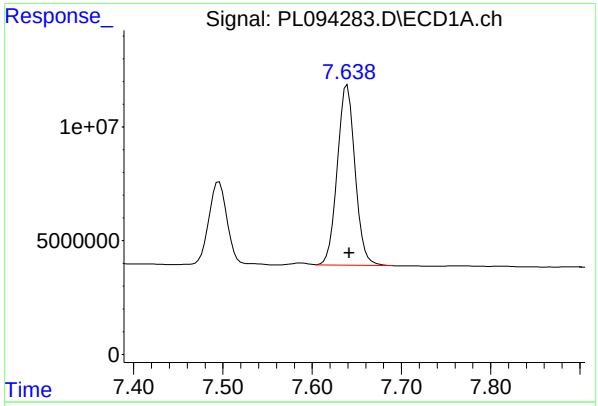
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: -0.002 min
Response: 51457324
Conc: 49.32 ng/ml



#20 Methoxychlor

R.T.: 6.605 min
Delta R.T.: -0.004 min
Response: 85483045
Conc: 47.81 ng/ml



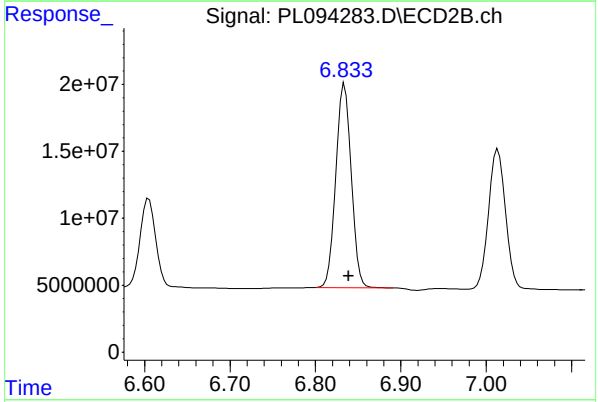
#21 Endrin ketone

R.T.: 7.639 min
Delta R.T.: -0.003 min
Response: 109861111
Conc: 43.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS

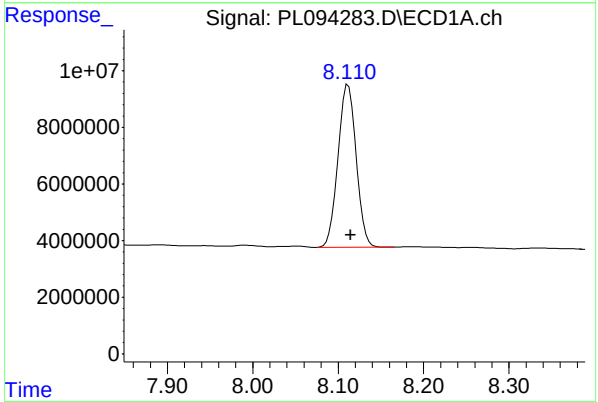
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



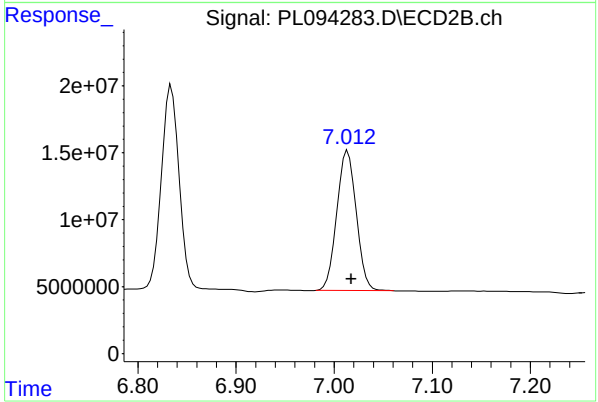
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: -0.005 min
Response: 190312468
Conc: 45.36 ng/ml



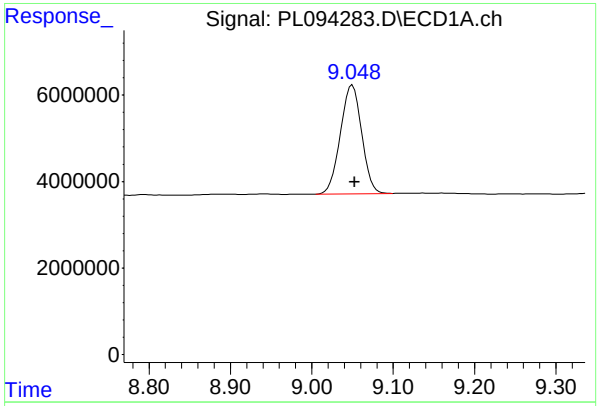
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.003 min
Response: 84910182
Conc: 40.77 ng/ml



#22 Mirex

R.T.: 7.014 min
Delta R.T.: -0.004 min
Response: 144379522
Conc: 42.69 ng/ml



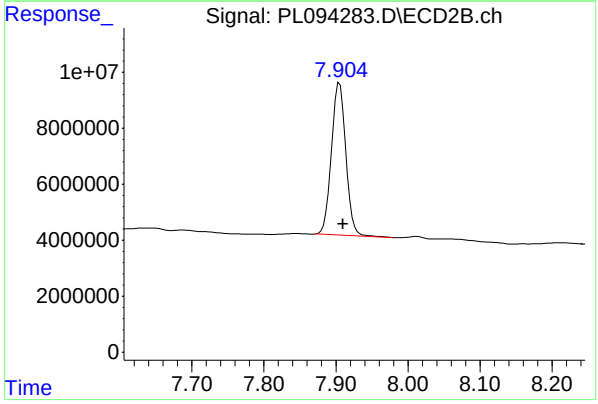
#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 45917399
Conc: 21.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/20/2025



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 74745275
Conc: 21.33 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-11-021725MSD	SDG No.:	Q1383
Lab Sample ID:	Q1383-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.6 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094287.D	1	02/19/25 09:40	02/20/25 08:29	PB166775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.016		0.00019	0.00089	0.0018	mg/Kg
319-85-7	beta-BHC	0.016		0.00053	0.00089	0.0018	mg/Kg
319-86-8	delta-BHC	0.016		0.00051	0.00089	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.016		0.00020	0.00089	0.0018	mg/Kg
76-44-8	Heptachlor	0.017		0.00018	0.00089	0.0018	mg/Kg
309-00-2	Aldrin	0.016		0.00015	0.00089	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.016		0.00025	0.00089	0.0018	mg/Kg
959-98-8	Endosulfan I	0.016		0.00018	0.00089	0.0018	mg/Kg
60-57-1	Dieldrin	0.017		0.00016	0.00089	0.0018	mg/Kg
72-55-9	4,4-DDE	0.017		0.00014	0.00089	0.0018	mg/Kg
72-20-8	Endrin	0.017		0.00017	0.00089	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.017		0.00032	0.00089	0.0018	mg/Kg
72-54-8	4,4-DDD	0.018		0.00020	0.00089	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.016		0.00014	0.00089	0.0018	mg/Kg
50-29-3	4,4-DDT	0.019		0.00018	0.00089	0.0018	mg/Kg
72-43-5	Methoxychlor	0.019		0.00041	0.00089	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.016		0.00024	0.00089	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.016		0.00042	0.00089	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.017		0.00018	0.00089	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.017		0.00020	0.00089	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0056	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.7		55 - 130		109%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.9		42 - 129		115%	SPK: 20

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-11-021725MSD	SDG No.:	Q1383
Lab Sample ID:	Q1383-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	92.6 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094287.D	1	02/19/25 09:40	02/20/25 08:29	PB166775

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

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094287.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 08:29
Operator : AR\AJ
Sample : Q1383-01MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 11:41:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.540	2.774	58650391	74921913	21.781m	22.953
28) SA	Decachlor...	9.058	7.910	41626282	76139224	19.899m	21.729
	Target Compounds						
2) A	alpha-BHC	3.998	3.276	162.3E6	216.2E6	42.336	44.228
3) MA	gamma-BHC...	4.331	3.607	154.7E6	206.2E6	42.001	43.499
4) MA	Heptachlor	4.918	3.945	149.4E6	213.6E6	45.583	45.895
5) MB	Aldrin	5.260	4.224	142.0E6	200.3E6	43.405	43.901
6) B	beta-BHC	4.530	3.907	69435097	90428981	43.199	45.272
7) B	delta-BHC	4.776	4.136	155.4E6	207.9E6	44.345	43.748
8) B	Heptachlo...	5.687	4.727	128.3E6	187.6E6	43.148	44.867
9) A	Endosulfan I	6.072	5.097	115.1E6	177.0E6	43.537	45.659
10) B	gamma-Chl...	5.943	4.977	128.3E6	204.8E6	46.041	48.338
11) B	alpha-Chl...	6.022	5.040	125.3E6	194.5E6	44.932	46.467
12) B	4,4'-DDE	6.195	5.230	116.1E6	192.8E6	47.685	48.076
13) MA	Dieldrin	6.347	5.361	122.4E6	200.1E6	44.081	46.573
14) MA	Endrin	6.577	5.635	104.9E6	178.4E6	44.758	48.312m
15) B	Endosulfa...	6.797	5.930	105.6E6	179.0E6	43.818	48.316m
16) A	4,4'-DDD	6.713	5.785	93214673	149.7E6	49.046	47.428
17) MA	4,4'-DDT	7.026	6.033	92851897	168.7E6	47.084	51.856m
18) B	Endrin al...	6.927	6.111	81624625	137.2E6	41.987	45.075
19) B	Endosulfa...	7.162	6.332	100.3E6	158.6E6	44.302	44.483m
20) A	Methoxychlor	7.504	6.610	54418599	85011989	52.155	47.542
21) B	Endrin ke...	7.647	6.839	112.2E6	190.3E6	44.475	45.368
22)	Mirex	8.120	7.018	85396100	151.9E6	41.007	44.906m

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

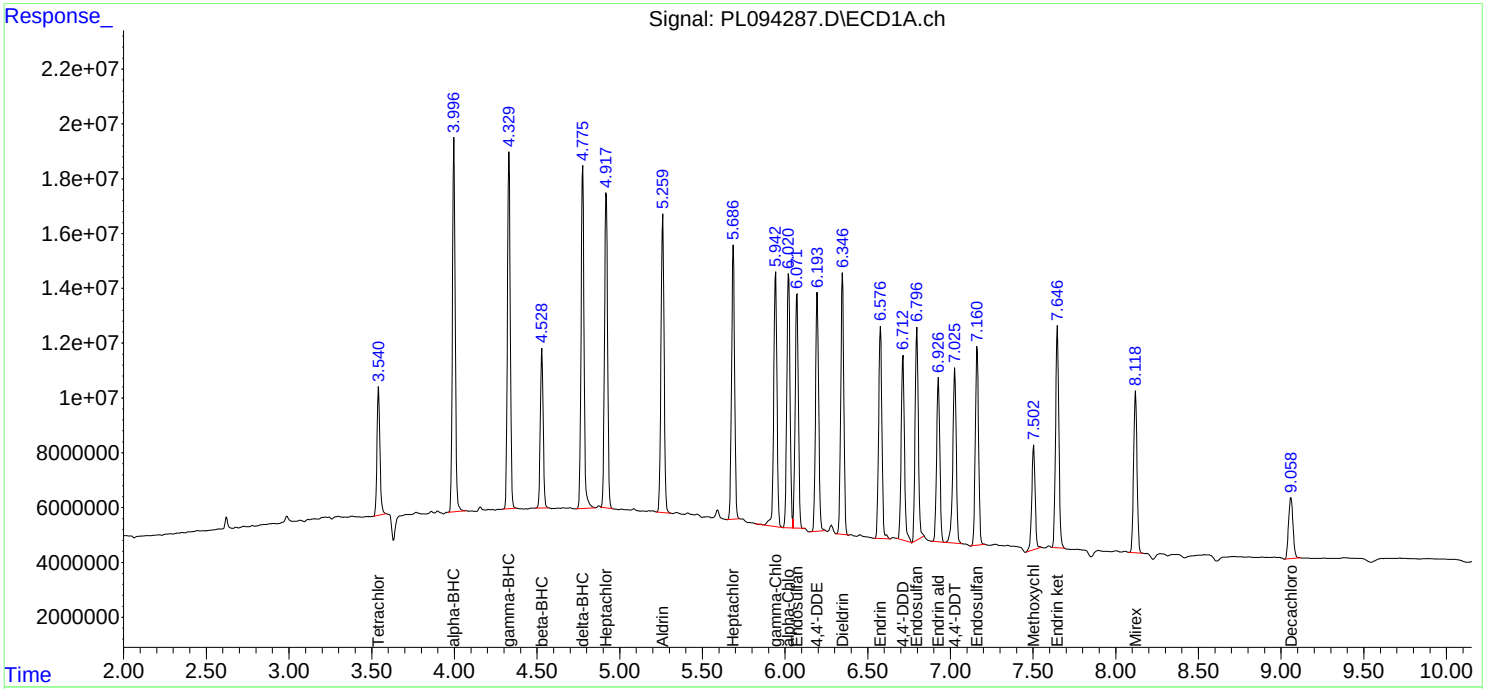
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094287.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 08:29
Operator : AR\AJ
Sample : Q1383-01MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

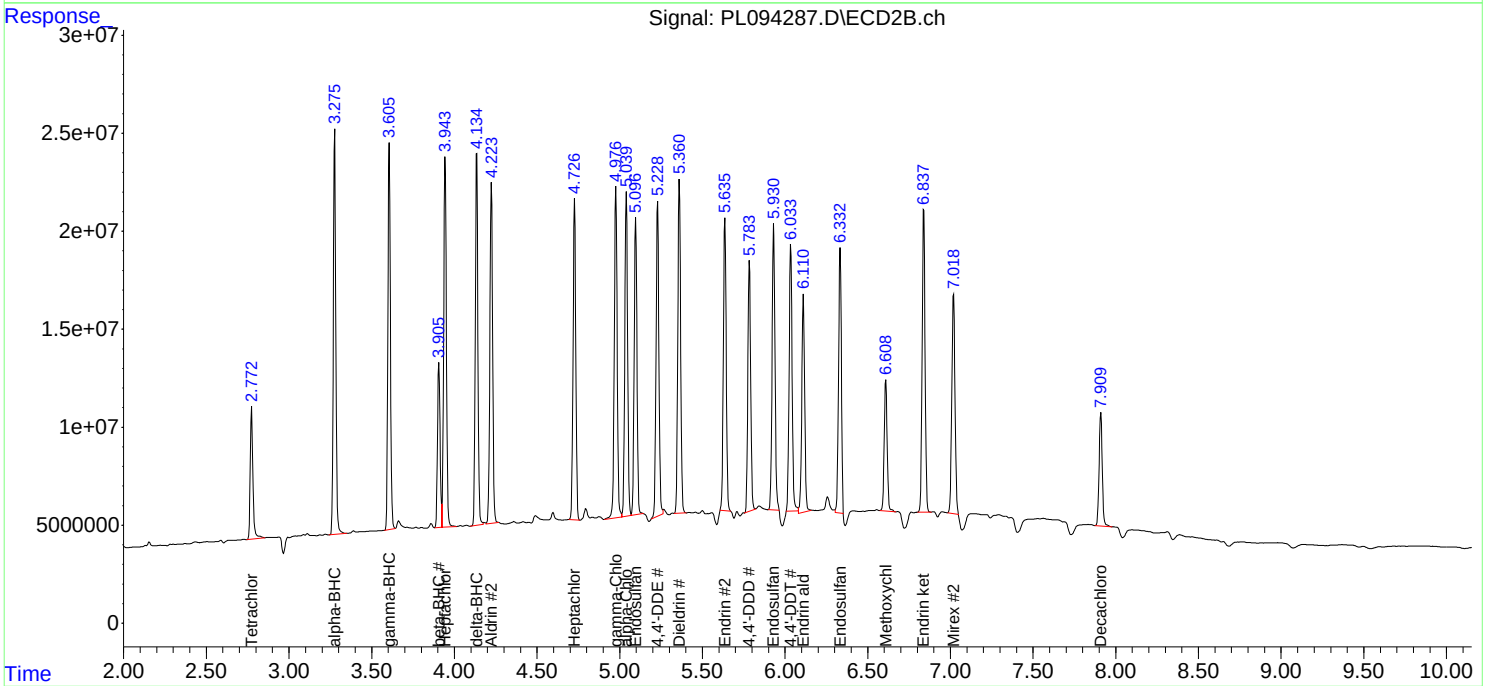
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD

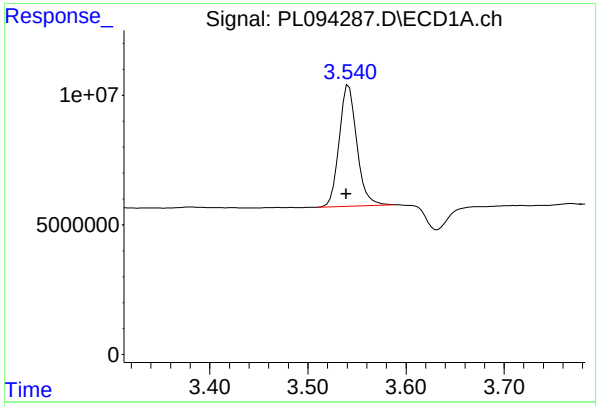
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 11:41:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: 0.001 min
Response: 58650391
Conc: 21.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/20/2025
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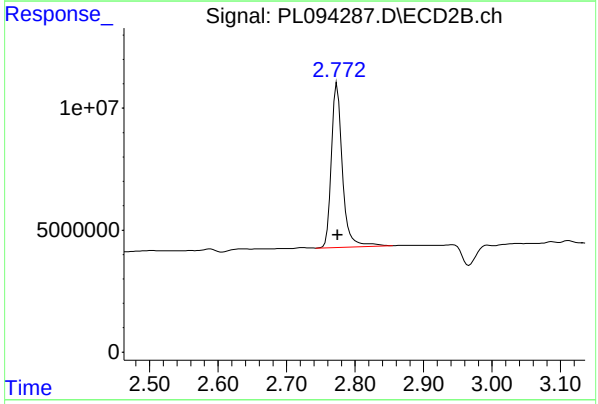
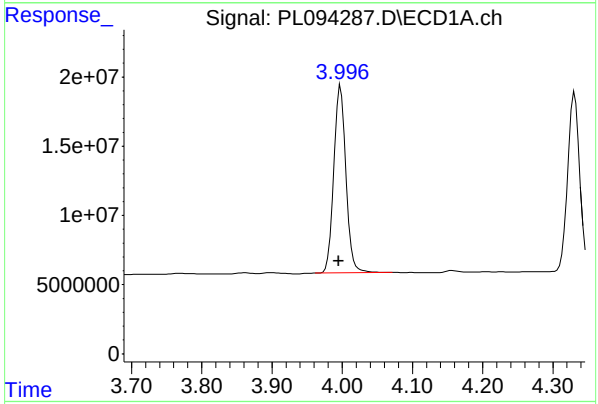


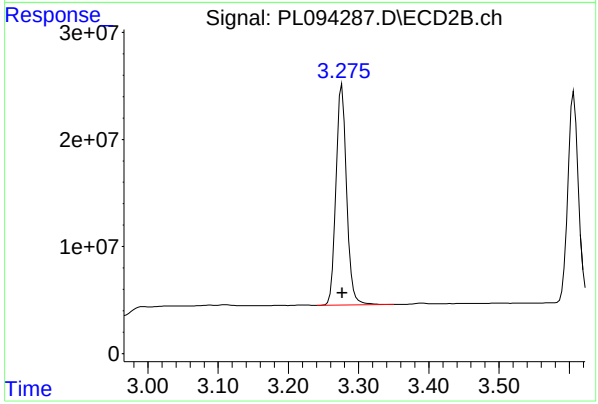
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 74921913
Conc: 22.95 ng/ml



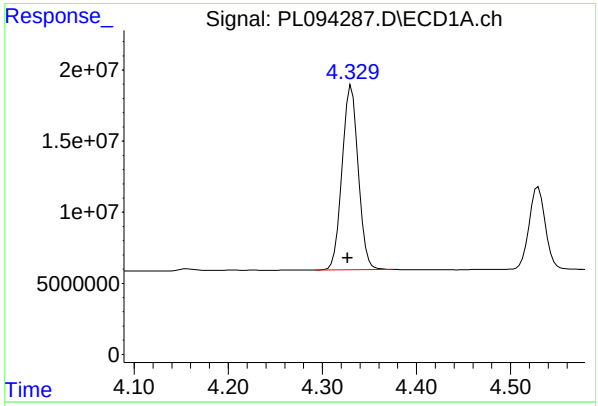
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.003 min
Response: 162311211
Conc: 42.34 ng/ml



#2 alpha-BHC

R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 216231732
Conc: 44.23 ng/ml



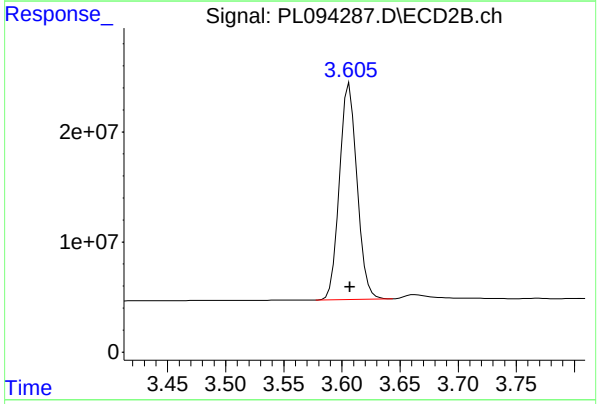
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.004 min
Response: 154682503
Conc: 42.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD

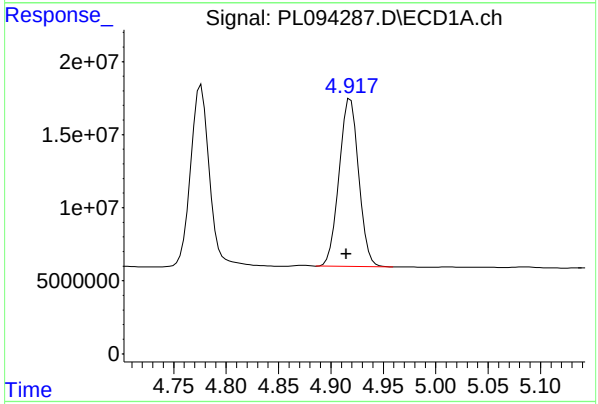
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/21/2025



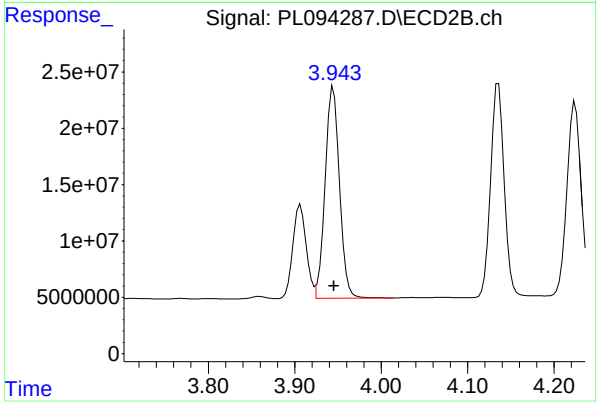
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 206236780
Conc: 43.50 ng/ml



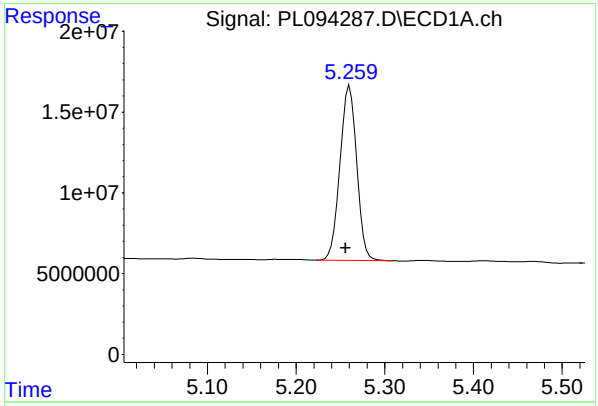
#4 Heptachlor

R.T.: 4.918 min
Delta R.T.: 0.004 min
Response: 149392403
Conc: 45.58 ng/ml



#4 Heptachlor

R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 213633682
Conc: 45.90 ng/ml



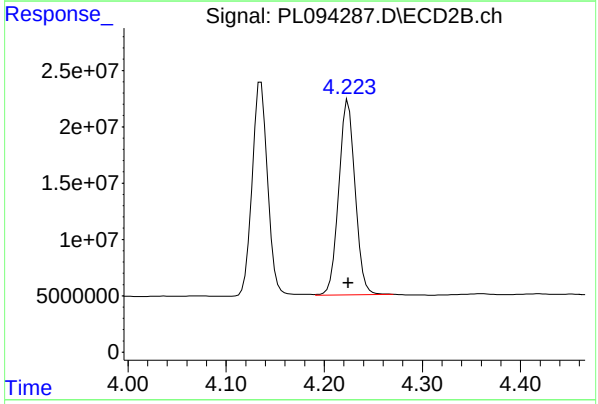
#5 Aldrin

R.T.: 5.260 min
Delta R.T.: 0.005 min
Response: 142019748
Conc: 43.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD

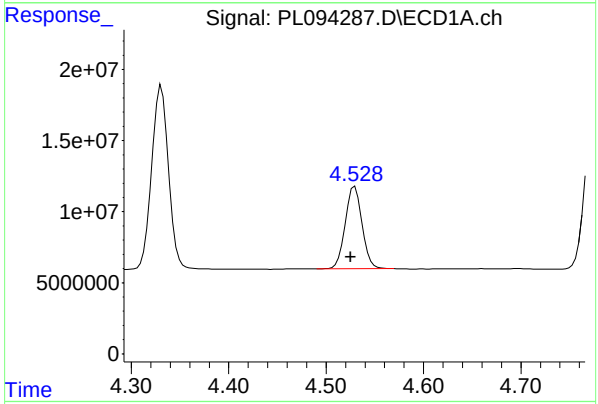
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/20/2025
Supervised By :Ankita Jodhani 02/21/2025



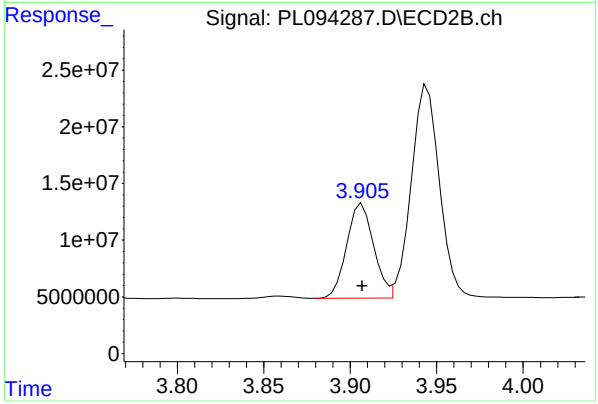
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 200265858
Conc: 43.90 ng/ml



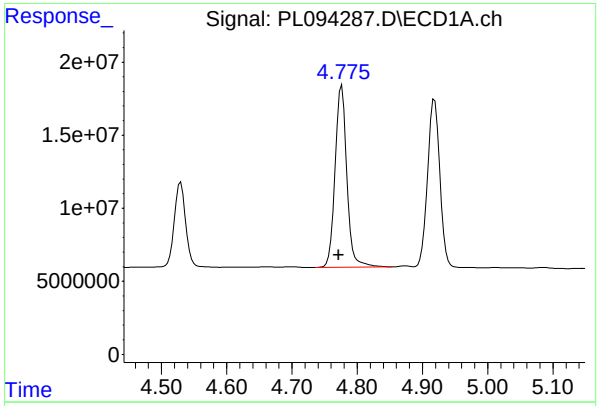
#6 beta-BHC

R.T.: 4.530 min
Delta R.T.: 0.004 min
Response: 69435097
Conc: 43.20 ng/ml



#6 beta-BHC

R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 90428981
Conc: 45.27 ng/ml



#7 delta-BHC

R.T.: 4.776 min
Delta R.T.: 0.004 min
Response: 155441451
Conc: 44.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD

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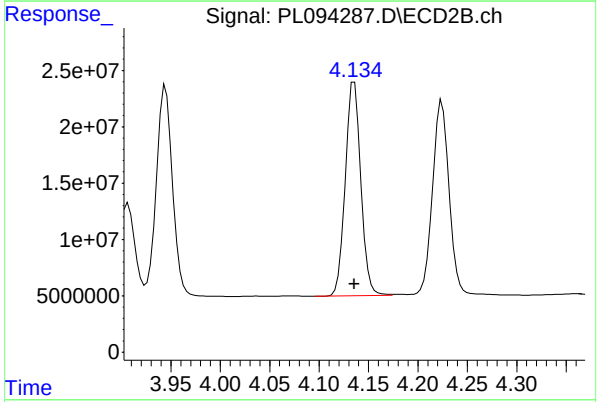
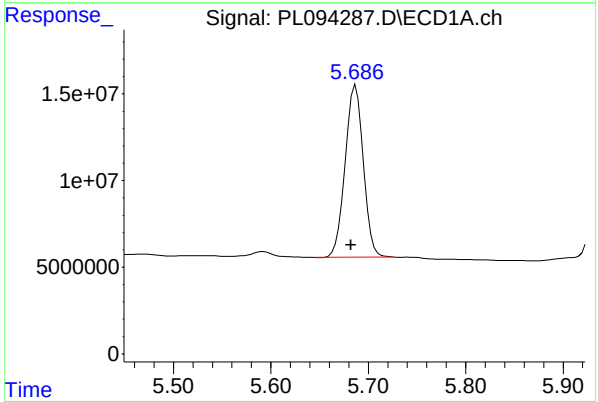
Supervised By :Ankita Jodhani 02/21/2025



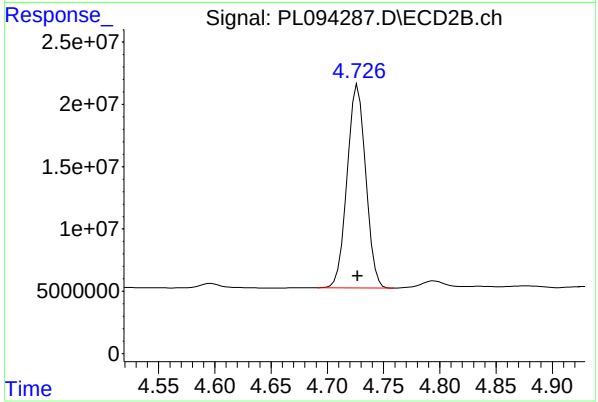
#7 delta-BHC

R.T.: 4.136 min
Delta R.T.: 0.000 min
Response: 207858408
Conc: 43.75 ng/ml



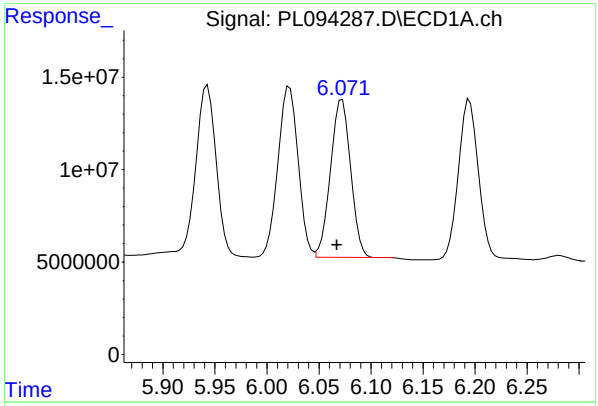
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: 0.005 min
Response: 128313602
Conc: 43.15 ng/ml



#8 Heptachlor epoxide

R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 187555094
Conc: 44.87 ng/ml



#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: 0.005 min
Response: 115062400
Conc: 43.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD

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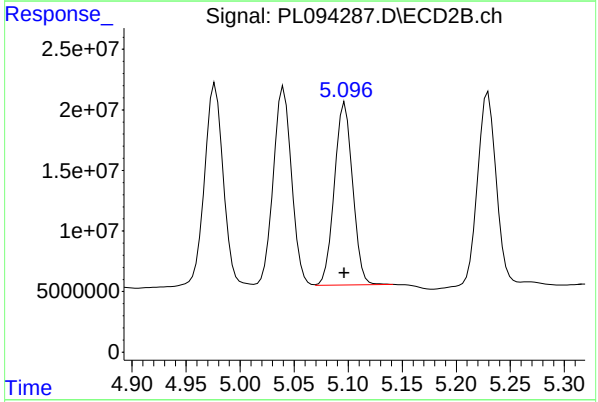
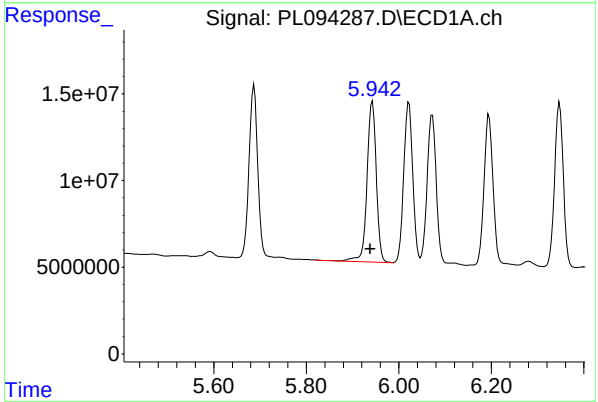


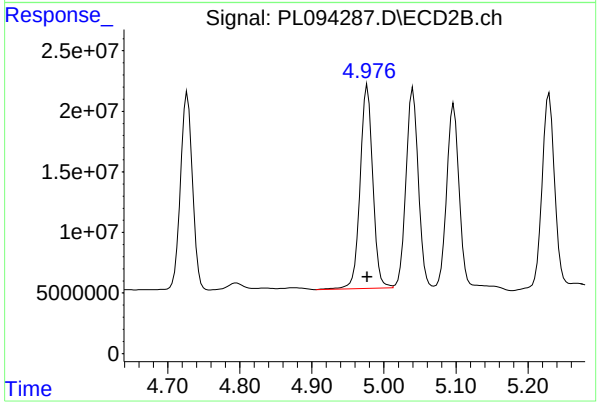
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 177015039
Conc: 45.66 ng/ml



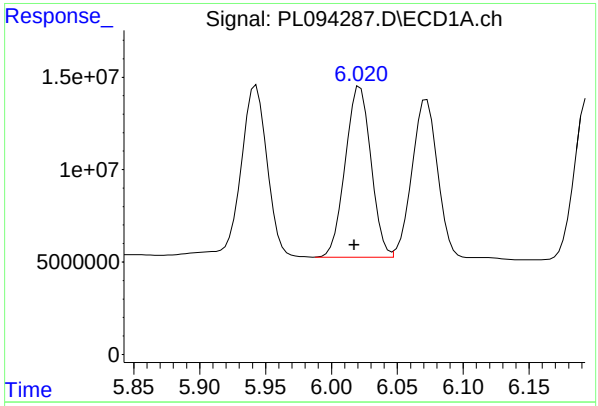
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: 0.005 min
Response: 128333076
Conc: 46.04 ng/ml



#10 gamma-Chlordane

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 204836573
Conc: 48.34 ng/ml



#11 alpha-Chlordane

R.T.: 6.022 min
Delta R.T.: 0.004 min
Response: 125287473
Conc: 44.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD

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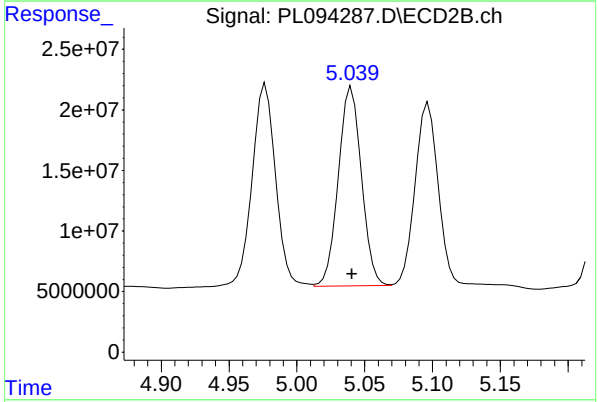
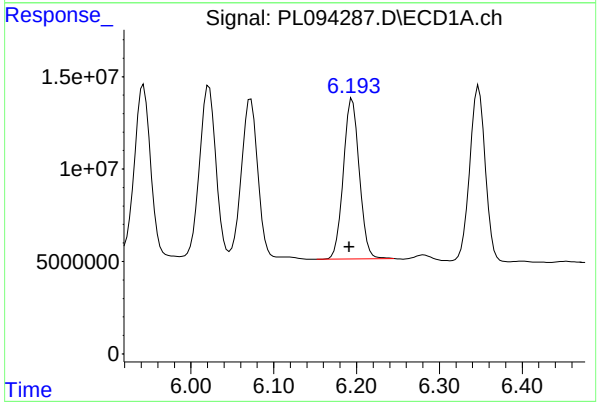


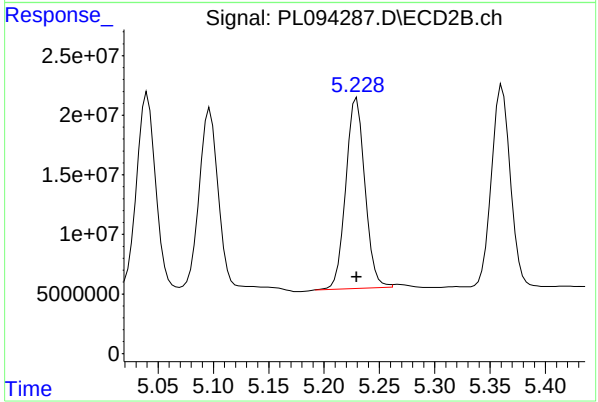
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 194538606
Conc: 46.47 ng/ml



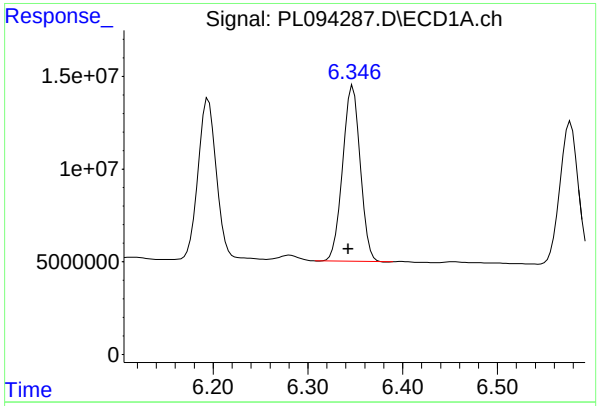
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.004 min
Response: 116094053
Conc: 47.69 ng/ml



#12 4,4'-DDE

R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 192759362
Conc: 48.08 ng/ml



#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.005 min
Response: 122363307
Conc: 44.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD

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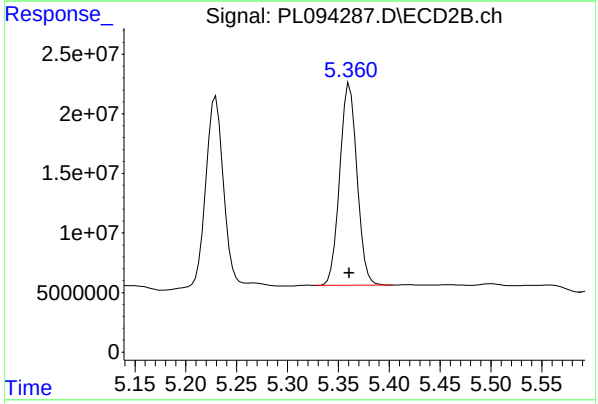
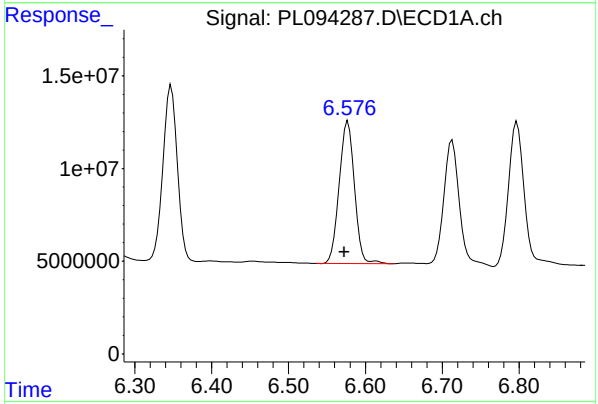


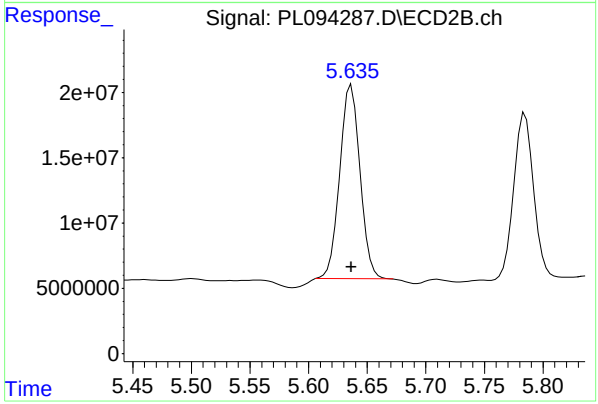
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 200062841
Conc: 46.57 ng/ml



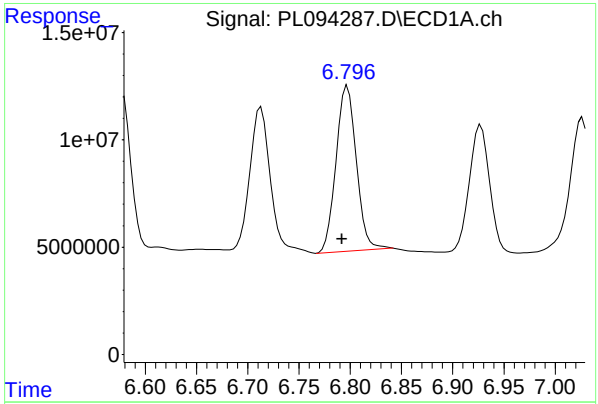
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.005 min
Response: 104948362
Conc: 44.76 ng/ml



#14 Endrin

R.T.: 5.635 min
Delta R.T.: -0.001 min
Response: 178401055
Conc: 48.31 ng/ml m



#15 Endosulfan II

R.T.: 6.797 min
Delta R.T.: 0.005 min
Response: 105572212
Conc: 43.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
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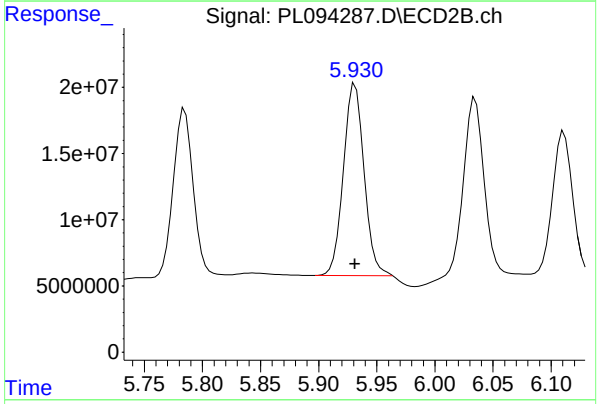
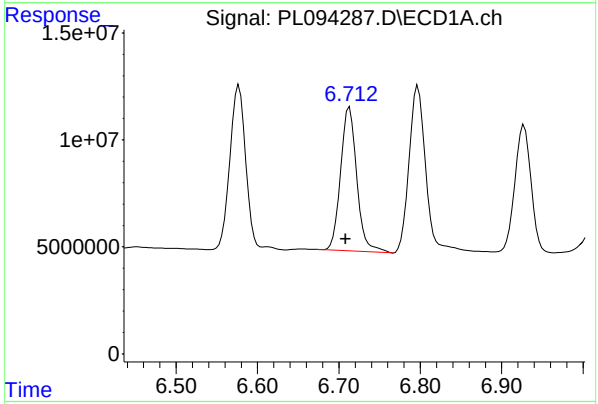


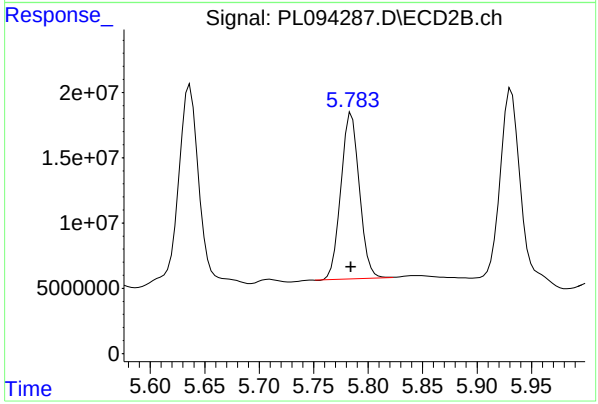
#15 Endosulfan II

R.T.: 5.930 min
Delta R.T.: -0.001 min
Response: 178954236
Conc: 48.32 ng/ml m



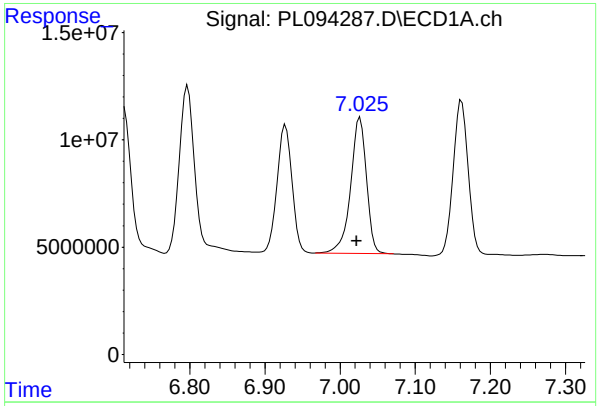
#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: 0.005 min
Response: 93214673
Conc: 49.05 ng/ml



#16 4,4'-DDD

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 149707072
Conc: 47.43 ng/ml



#17 4,4'-DDT

R.T.: 7.026 min
Delta R.T.: 0.004 mi
Response: 92851897
Conc: 47.08 ng/m

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD

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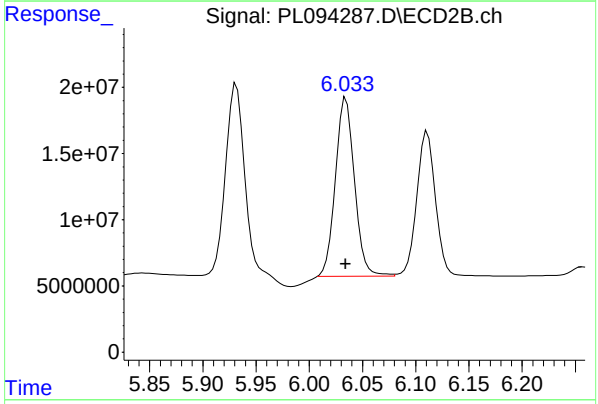
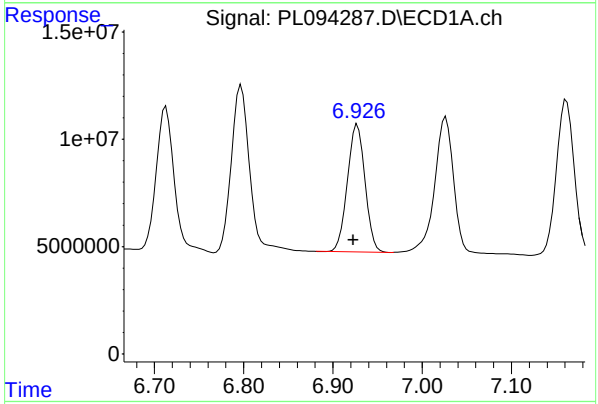


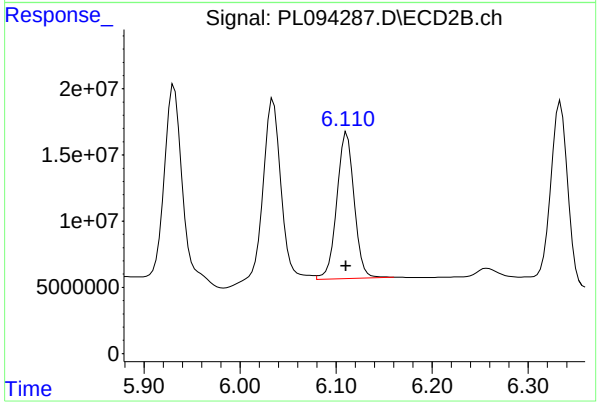
#17 4,4'-DDT

R.T.: 6.033 min
Delta R.T.: 0.000 min
Response: 168741289
Conc: 51.86 ng/ml m



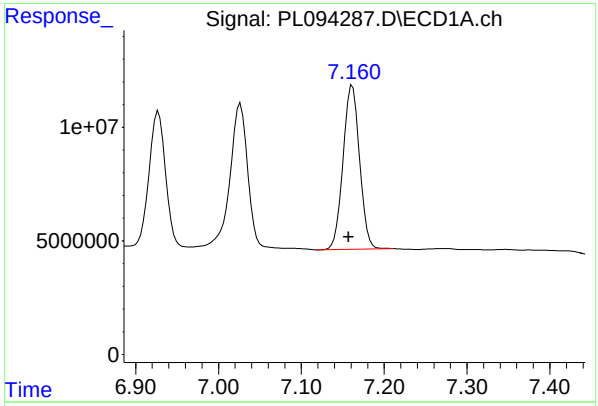
#18 Endrin aldehyde

R.T.: 6.927 min
Delta R.T.: 0.005 min
Response: 81624625
Conc: 41.99 ng/ml



#18 Endrin aldehyde

R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 137235982
Conc: 45.07 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.162 min
Delta R.T.: 0.005 mi
Response: 100287635
Conc: 44.30 ng/m

Instrument :
ECD_L
ClientSampleId :
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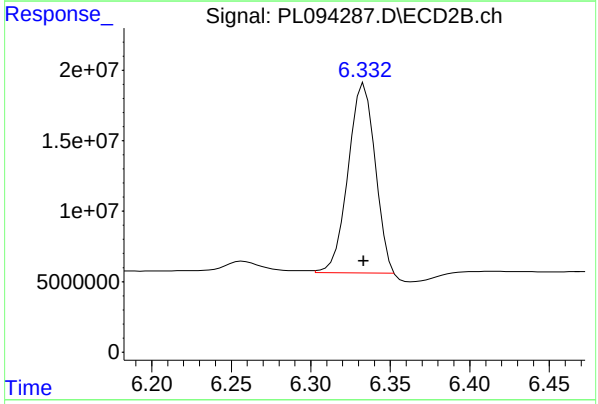
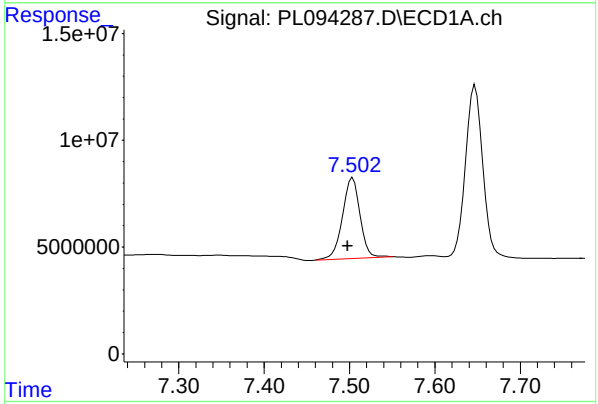


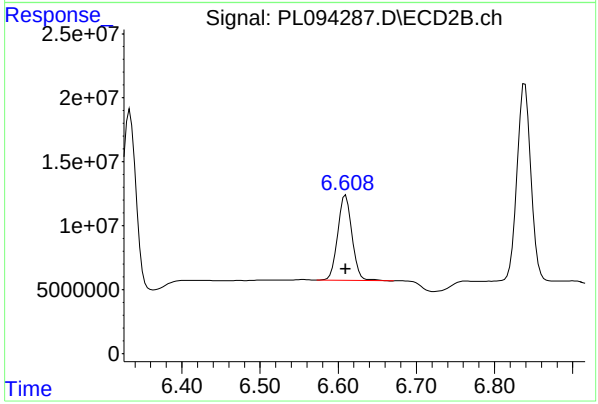
#19 Endosulfan Sulfate

R.T.: 6.332 min
Delta R.T.: -0.001 min
Response: 158629101
Conc: 44.48 ng/ml m



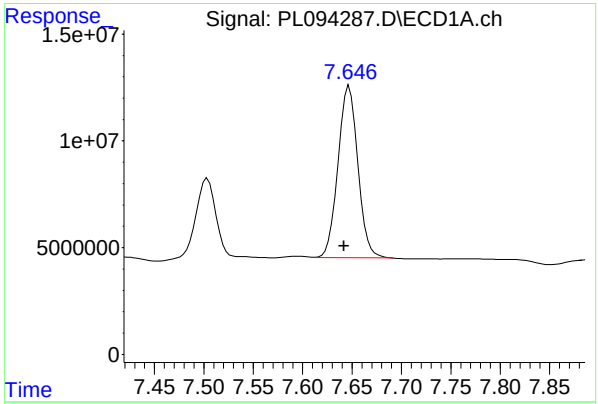
#20 Methoxychlor

R.T.: 7.504 min
Delta R.T.: 0.006 min
Response: 54418599
Conc: 52.16 ng/ml



#20 Methoxychlor

R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 85011989
Conc: 47.54 ng/ml



#21 Endrin ketone

R.T.: 7.647 min
Delta R.T.: 0.005 mi
Response: 112194007
Conc: 44.48 ng/m

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD

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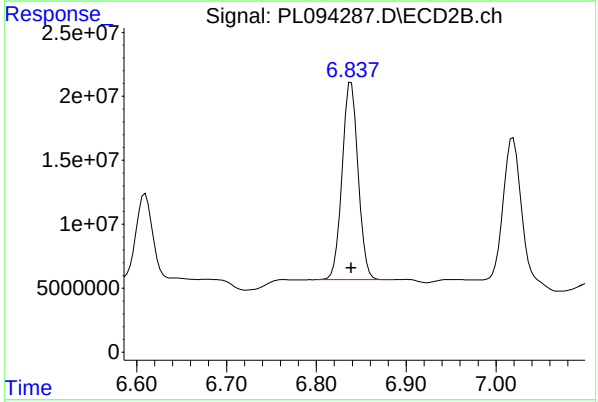
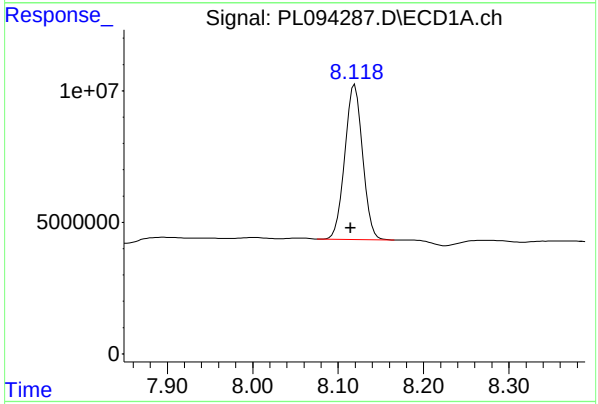


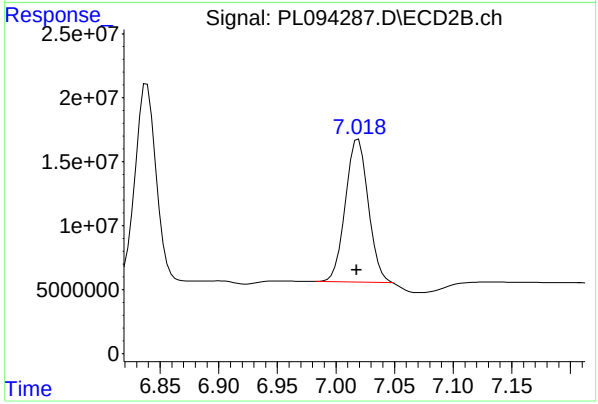
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 190327702
Conc: 45.37 ng/ml



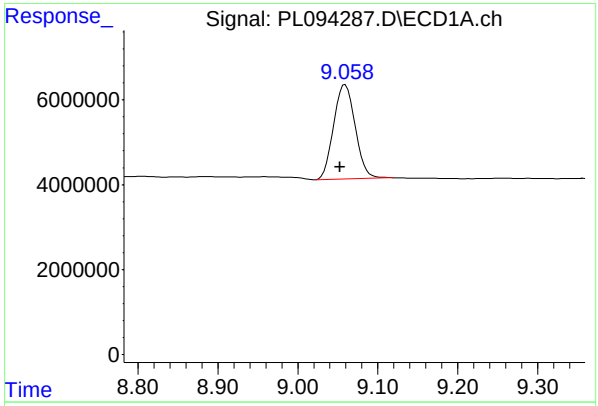
#22 Mirex

R.T.: 8.120 min
Delta R.T.: 0.005 min
Response: 85396100
Conc: 41.01 ng/ml



#22 Mirex

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 151867105
Conc: 44.91 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: 0.005 min
Response: 41626282
Conc: 19.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD

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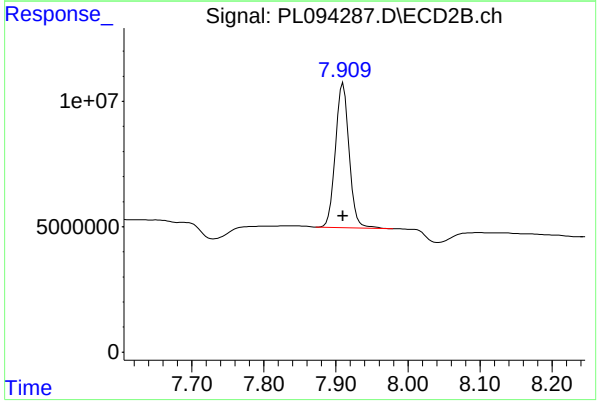
Supervised By :Ankita Jodhani 02/21/2025



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 76139224
Conc: 21.73 ng/ml

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Manual Integration Report

Sequence:	PL012125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL093726.D	4,4"-DDD	Abdul	1/22/2025 8:17:27 AM	Ankita	1/22/2025 8:30:27	Peak Integrated by Software
PEM	PL093726.D	4,4"-DDE	Abdul	1/22/2025 8:17:27 AM	Ankita	1/22/2025 8:30:27	Peak Integrated by Software
PEM	PL093726.D	Endrin aldehyde	Abdul	1/22/2025 8:17:27 AM	Ankita	1/22/2025 8:30:27	Peak Integrated by Software
PCHLORICV500	PL093744.D	Chlordane-2	Abdul	1/22/2025 8:17:34 AM	Ankita	1/22/2025 8:30:28	Peak Integrated by Software
PCHLORICV500	PL093744.D	Chlordane-5	Abdul	1/22/2025 8:17:34 AM	Ankita	1/22/2025 8:30:28	Peak Integrated by Software
PCHLORICV500	PL093744.D	Chlordane-5 #2	Abdul	1/22/2025 8:17:34 AM	Ankita	1/22/2025 8:30:28	Peak Integrated by Software
PEM	PL093747.D	4,4"-DDE	Abdul	1/22/2025 8:17:08 AM	Ankita	1/22/2025 8:30:30	Peak Integrated by Software
PEM	PL093747.D	4,4"-DDE #2	Abdul	1/22/2025 8:17:08 AM	Ankita	1/22/2025 8:30:30	Peak Integrated by Software
PSTDCCC050	PL093748.D	Heptachlor	Abdul	1/22/2025 8:17:12 AM	Ankita	1/22/2025 8:30:32	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl021925	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094256.D	4,4"-DDD	Abdul	2/20/2025 8:43:16 AM	Ankita	2/20/2025 12:58:46	Peak Integrated by Software
PEM	PL094256.D	4,4"-DDE	Abdul	2/20/2025 8:43:16 AM	Ankita	2/20/2025 12:58:46	Peak Integrated by Software
PEM	PL094256.D	4,4"-DDT #2	Abdul	2/20/2025 8:43:16 AM	Ankita	2/20/2025 12:58:46	Peak Integrated by Software
PEM	PL094256.D	Endrin	Abdul	2/20/2025 8:43:16 AM	Ankita	2/20/2025 12:58:46	Peak Integrated by Software
PCHLORCCC500	PL094258.D	Chlordane-1 #2	Abdul	2/20/2025 5:38:48 PM	Ankita	2/21/2025 1:20:26	Peak Integrated by Software
PCHLORCCC500	PL094258.D	Chlordane-2	Abdul	2/20/2025 5:38:48 PM	Ankita	2/21/2025 1:20:26	Peak Integrated by Software
PCHLORCCC500	PL094258.D	Chlordane-5	Abdul	2/20/2025 5:38:48 PM	Ankita	2/21/2025 1:20:26	Peak Integrated by Software
PCHLORCCC500	PL094258.D	Chlordane-5 #2	Abdul	2/20/2025 5:38:48 PM	Ankita	2/21/2025 1:20:26	Peak Integrated by Software
PSTDCCC050	PL094271.D	4,4"-DDD #2	Abdul	2/20/2025 8:44:01 AM	Ankita	2/20/2025 12:58:59	Peak Integrated by Software
PSTDCCC050	PL094271.D	4,4"-DDT #2	Abdul	2/20/2025 8:44:01 AM	Ankita	2/20/2025 12:58:59	Peak Integrated by Software
PSTDCCC050	PL094271.D	Dieldrin #2	Abdul	2/20/2025 8:44:01 AM	Ankita	2/20/2025 12:58:59	Peak Integrated by Software
PSTDCCC050	PL094271.D	Endosulfan II #2	Abdul	2/20/2025 8:44:01 AM	Ankita	2/20/2025 12:58:59	Peak Integrated by Software
PSTDCCC050	PL094271.D	Endosulfan Sulfate #2	Abdul	2/20/2025 8:44:01 AM	Ankita	2/20/2025 12:58:59	Peak Integrated by Software

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Sequence:	pl021925	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094271.D	Endrin	Abdul	2/20/2025 8:44:01 AM	Ankita	2/20/2025 12:58:59	Peak Integrated by Software
PSTDCCC050	PL094271.D	Endrin #2	Abdul	2/20/2025 8:44:01 AM	Ankita	2/20/2025 12:58:59	Peak Integrated by Software
PSTDCCC050	PL094271.D	Heptachlor	Abdul	2/20/2025 8:44:01 AM	Ankita	2/20/2025 12:58:59	Peak Integrated by Software
PCHLORCCC500	PL094272.D	Chlordane-1 #2	Abdul	2/20/2025 8:44:05 AM	Ankita	2/20/2025 12:59:01	Peak Integrated by Software
PCHLORCCC500	PL094272.D	Chlordane-2	Abdul	2/20/2025 8:44:05 AM	Ankita	2/20/2025 12:59:01	Peak Integrated by Software
PCHLORCCC500	PL094272.D	Chlordane-5	Abdul	2/20/2025 8:44:05 AM	Ankita	2/20/2025 12:59:01	Peak Integrated by Software
PCHLORCCC500	PL094272.D	Chlordane-5 #2	Abdul	2/20/2025 8:44:05 AM	Ankita	2/20/2025 12:59:01	Peak Integrated by Software
PTOXCCC500	PL094273.D	Decachlorobiphenyl #2	Abdul	2/20/2025 8:44:10 AM	Ankita	2/20/2025 12:59:02	Peak Integrated by Software
Q1383-01	PL094282.D	Tetrachloro-m-xylene	Abdul	2/20/2025 8:44:43 AM	Ankita	2/20/2025 12:59:31	Peak Integrated by Software
Q1383-01MS	PL094283.D	Endosulfan II	Abdul	2/20/2025 8:44:46 AM	Ankita	2/20/2025 12:59:32	Peak Integrated by Software
Q1383-01MS	PL094283.D	Endosulfan II #2	Abdul	2/20/2025 8:44:46 AM	Ankita	2/20/2025 12:59:32	Peak Integrated by Software
Q1383-01MS	PL094283.D	Endrin	Abdul	2/20/2025 8:44:46 AM	Ankita	2/20/2025 12:59:32	Peak Integrated by Software
Q1383-01MS	PL094283.D	Endrin #2	Abdul	2/20/2025 8:44:46 AM	Ankita	2/20/2025 12:59:32	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl021925	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1383-01MS	PL094283.D	Heptachlor	Abdul	2/20/2025 8:44:46 AM	Ankita	2/20/2025 12:59:32	Peak Integrated by Software
Q1383-01MS	PL094283.D	Tetrachloro-m-xylene	Abdul	2/20/2025 8:44:46 AM	Ankita	2/20/2025 12:59:32	Peak Integrated by Software
PEM	PL094285.D	Endrin	Abdul	2/20/2025 8:44:51 AM	Ankita	2/20/2025 12:59:40	Peak Integrated by Software
PSTDCCC050	PL094286.D	Dieldrin #2	Abdul	2/20/2025 8:44:55 AM	Ankita	2/20/2025 12:59:41	Peak Integrated by Software
PSTDCCC050	PL094286.D	Endosulfan II #2	Abdul	2/20/2025 8:44:55 AM	Ankita	2/20/2025 12:59:41	Peak Integrated by Software
PSTDCCC050	PL094286.D	Endosulfan Sulfate #2	Abdul	2/20/2025 8:44:55 AM	Ankita	2/20/2025 12:59:41	Peak Integrated by Software
Q1383-01MSD	PL094287.D	4,4"-DDT #2	Abdul	2/20/2025 5:38:09 PM	Ankita	2/21/2025 1:20:34	Peak Integrated by Software
Q1383-01MSD	PL094287.D	Decachlorobiphenyl	Abdul	2/20/2025 5:38:09 PM	Ankita	2/21/2025 1:20:34	Peak Integrated by Software
Q1383-01MSD	PL094287.D	Endosulfan II #2	Abdul	2/20/2025 5:38:09 PM	Ankita	2/21/2025 1:20:34	Peak Integrated by Software
Q1383-01MSD	PL094287.D	Endosulfan Sulfate #2	Abdul	2/20/2025 5:38:09 PM	Ankita	2/21/2025 1:20:34	Peak Integrated by Software
Q1383-01MSD	PL094287.D	Endrin #2	Abdul	2/20/2025 5:38:09 PM	Ankita	2/21/2025 1:20:34	Peak Integrated by Software
Q1383-01MSD	PL094287.D	Mirex #2	Abdul	2/20/2025 5:38:09 PM	Ankita	2/21/2025 1:20:34	Peak Integrated by Software
Q1383-01MSD	PL094287.D	Tetrachloro-m-xylene	Abdul	2/20/2025 5:38:09 PM	Ankita	2/21/2025 1:20:34	Peak Integrated by Software

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Sequence:	pl021925	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Sequence:	pl022025	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094292.D	4,4"-DDD	Abdul	2/21/2025 7:01:10 AM	Ankita	2/21/2025 11:10:07	Peak Integrated by Software
PEM	PL094292.D	4,4"-DDE	Abdul	2/21/2025 7:01:10 AM	Ankita	2/21/2025 11:10:07	Peak Integrated by Software
PEM	PL094292.D	4,4"-DDE #2	Abdul	2/21/2025 7:01:10 AM	Ankita	2/21/2025 11:10:07	Peak Integrated by Software
PEM	PL094292.D	Endrin	Abdul	2/21/2025 7:01:10 AM	Ankita	2/21/2025 11:10:07	Peak Integrated by Software
PSTDCCC050	PL094293.D	4,4"-DDD #2	Abdul	2/21/2025 7:01:00 AM	Ankita	2/21/2025 11:10:08	Peak Integrated by Software
PSTDCCC050	PL094293.D	Endosulfan II #2	Abdul	2/21/2025 7:01:00 AM	Ankita	2/21/2025 11:10:08	Peak Integrated by Software
PSTDCCC050	PL094293.D	Endrin	Abdul	2/21/2025 7:01:00 AM	Ankita	2/21/2025 11:10:08	Peak Integrated by Software
PSTDCCC050	PL094293.D	Heptachlor	Abdul	2/21/2025 7:01:00 AM	Ankita	2/21/2025 11:10:08	Peak Integrated by Software
Q1383-03	PL094294.D	Tetrachloro-m-xylene	Abdul	2/21/2025 7:01:13 AM	Ankita	2/21/2025 11:10:10	Peak Integrated by Software
Q1383-05	PL094295.D	Tetrachloro-m-xylene	Abdul	2/21/2025 7:01:17 AM	Ankita	2/21/2025 11:10:12	Peak Integrated by Software
Q1383-07	PL094296.D	Tetrachloro-m-xylene	Abdul	2/21/2025 7:01:20 AM	Ankita	2/21/2025 11:10:13	Peak Integrated by Software
Q1383-09	PL094297.D	Tetrachloro-m-xylene	Abdul	2/21/2025 9:03:53 PM	Ankita	2/24/2025 9:39:57	Peak Integrated by Software
Q1383-11	PL094298.D	Tetrachloro-m-xylene	Abdul	2/21/2025 7:01:28 AM	Ankita	2/21/2025 11:10:15	Peak Integrated by Software

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Sequence:	pl022025	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1383-13	PL094299.D	Decachlorobiphenyl #2	Abdul	2/21/2025 7:01:33 AM	Ankita	2/21/2025 11:10:16	Peak Integrated by Software
Q1383-13	PL094299.D	Tetrachloro-m-xylene	Abdul	2/21/2025 7:01:33 AM	Ankita	2/21/2025 11:10:16	Peak Integrated by Software
Q1383-15	PL094300.D	Tetrachloro-m-xylene	Abdul	2/21/2025 7:01:45 AM	Ankita	2/21/2025 11:10:18	Peak Integrated by Software
Q1383-17	PL094301.D	Tetrachloro-m-xylene	Abdul	2/21/2025 7:01:50 AM	Ankita	2/21/2025 11:10:20	Peak Integrated by Software
Q1383-19	PL094302.D	Tetrachloro-m-xylene	Abdul	2/21/2025 7:01:55 AM	Ankita	2/21/2025 11:10:21	Peak Integrated by Software
Q1383-21	PL094303.D	Tetrachloro-m-xylene	Abdul	2/21/2025 7:02:00 AM	Ankita	2/21/2025 11:10:23	Peak Integrated by Software
PSTDCCC050	PL094305.D	Endosulfan II #2	Abdul	2/21/2025 7:03:34 AM	Ankita	2/21/2025 11:10:41	Peak Integrated by Software
PSTDCCC050	PL094305.D	Endrin	Abdul	2/21/2025 7:03:34 AM	Ankita	2/21/2025 11:10:41	Peak Integrated by Software
PSTDCCC050	PL094305.D	Endrin #2	Abdul	2/21/2025 7:03:34 AM	Ankita	2/21/2025 11:10:41	Peak Integrated by Software
PSTDCCC050	PL094305.D	Heptachlor	Abdul	2/21/2025 7:03:34 AM	Ankita	2/21/2025 11:10:41	Peak Integrated by Software
PCHLORCCC500	PL094306.D	Chlordane-1 #2	Abdul	2/21/2025 7:02:04 AM	Ankita	2/21/2025 11:10:42	Peak Integrated by Software
PCHLORCCC500	PL094306.D	Chlordane-2	Abdul	2/21/2025 7:02:04 AM	Ankita	2/21/2025 11:10:42	Peak Integrated by Software
PCHLORCCC500	PL094306.D	Chlordane-5	Abdul	2/21/2025 7:02:04 AM	Ankita	2/21/2025 11:10:42	Peak Integrated by Software

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Sequence:	pl022025	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PCHLORCCC500	PL094306.D	Chlordane-5 #2	Abdul	2/21/2025 7:02:04 AM	Ankita	2/21/2025 11:10:42	Peak Integrated by Software
PTOXCCC500	PL094307.D	Toxaphene-2	Abdul	2/21/2025 7:02:09 AM	Ankita	2/21/2025 11:10:44	Peak Integrated by Software
PB166775BS	PL094309.D	Endrin	Abdul	2/21/2025 9:03:58 PM	Ankita	2/24/2025 9:39:58	Peak Integrated by Software
PB166775BS	PL094309.D	Endrin #2	Abdul	2/21/2025 9:03:58 PM	Ankita	2/24/2025 9:39:58	Peak Integrated by Software
PSTDCCC050	PL094313.D	Endosulfan II #2	Abdul	2/21/2025 7:02:29 AM	Ankita	2/21/2025 11:10:51	Peak Integrated by Software
PSTDCCC050	PL094313.D	Endrin	Abdul	2/21/2025 7:02:29 AM	Ankita	2/21/2025 11:10:51	Peak Integrated by Software
PCHLORCCC500	PL094314.D	Chlordane-1 #2	Abdul	2/21/2025 7:02:35 AM	Ankita	2/21/2025 11:10:53	Peak Integrated by Software
PCHLORCCC500	PL094314.D	Chlordane-2	Abdul	2/21/2025 7:02:35 AM	Ankita	2/21/2025 11:10:53	Peak Integrated by Software
PCHLORCCC500	PL094314.D	Chlordane-5	Abdul	2/21/2025 7:02:35 AM	Ankita	2/21/2025 11:10:53	Peak Integrated by Software
PCHLORCCC500	PL094314.D	Chlordane-5 #2	Abdul	2/21/2025 7:02:35 AM	Ankita	2/21/2025 11:10:53	Peak Integrated by Software
PTOXCCC500	PL094315.D	Toxaphene-1	Abdul	2/21/2025 7:02:39 AM	Ankita	2/21/2025 11:10:54	Peak Integrated by Software
PTOXCCC500	PL094315.D	Toxaphene-2 #2	Abdul	2/21/2025 7:02:39 AM	Ankita	2/21/2025 11:10:54	Peak Integrated by Software
PSTDCCC050	PL094321.D	Endosulfan II #2	Abdul	2/21/2025 8:17:20 AM	Ankita	2/21/2025 11:10:59	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl022025	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094321.D	Endrin	Abdul	2/21/2025 8:17:20 AM	Ankita	2/21/2025 11:10:59	Peak Integrated by Software
PSTDCCC050	PL094321.D	Heptachlor	Abdul	2/21/2025 8:17:20 AM	Ankita	2/21/2025 11:10:59	Peak Integrated by Software

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL012125

Review By	Abdul	Review On	1/22/2025 8:17:54 AM		
Supervise By	Ankita	Supervise On	1/22/2025 8:30:39 AM		
SubDirectory	PL012125	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL093724.D	21 Jan 2025 10:03	AR\AJ	Ok
2	I.BLK	PL093725.D	21 Jan 2025 10:16	AR\AJ	Ok
3	PEM	PL093726.D	21 Jan 2025 10:30	AR\AJ	Ok,M
4	RESCHK	PL093727.D	21 Jan 2025 10:43	AR\AJ	Ok
5	PSTDICC100	PL093728.D	21 Jan 2025 10:57	AR\AJ	Ok
6	PSTDICC075	PL093729.D	21 Jan 2025 11:10	AR\AJ	Ok
7	PSTDICC050	PL093730.D	21 Jan 2025 11:24	AR\AJ	Ok
8	PSTDICC025	PL093731.D	21 Jan 2025 11:38	AR\AJ	Ok
9	PSTDICC005	PL093732.D	21 Jan 2025 11:51	AR\AJ	Ok
10	PCHLORICC1000	PL093733.D	21 Jan 2025 12:05	AR\AJ	Ok
11	PCHLORICC750	PL093734.D	21 Jan 2025 12:18	AR\AJ	Ok
12	PCHLORICC500	PL093735.D	21 Jan 2025 12:32	AR\AJ	Ok
13	PCHLORICC250	PL093736.D	21 Jan 2025 12:45	AR\AJ	Ok
14	PCHLORICC050	PL093737.D	21 Jan 2025 12:59	AR\AJ	Ok
15	PTOXICC1000	PL093738.D	21 Jan 2025 13:12	AR\AJ	Ok
16	PTOXICC750	PL093739.D	21 Jan 2025 13:26	AR\AJ	Ok
17	PTOXICC500	PL093740.D	21 Jan 2025 13:39	AR\AJ	Ok
18	PTOXICC250	PL093741.D	21 Jan 2025 13:53	AR\AJ	Ok
19	PTOXICC100	PL093742.D	21 Jan 2025 14:07	AR\AJ	Ok
20	PSTDICV050	PL093743.D	21 Jan 2025 14:20	AR\AJ	Ok
21	PCHLORICV500	PL093744.D	21 Jan 2025 14:47	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL012125

Review By	Abdul	Review On	1/22/2025 8:17:54 AM		
Supervise By	Ankita	Supervise On	1/22/2025 8:30:39 AM		
SubDirectory	PL012125	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PTOXICV500	PL093745.D	21 Jan 2025 15:14	AR\AJ	Ok
23	I.BLK	PL093746.D	21 Jan 2025 15:41	AR\AJ	Ok
24	PEM	PL093747.D	21 Jan 2025 15:54	AR\AJ	Ok,M
25	PSTDCCC050	PL093748.D	21 Jan 2025 16:07	AR\AJ	Ok,M
26	Q1093-01RE	PL093749.D	21 Jan 2025 16:21	AR\AJ	Confirms
27	I.BLK	PL093750.D	21 Jan 2025 16:34	AR\AJ	Ok
28	PSTDCCC050	PL093751.D	21 Jan 2025 16:48	AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL021925

Review By	Abdul	Review On	2/20/2025 8:45:47 AM		
Supervise By	Ankita	Supervise On	2/20/2025 12:59:53 PM		
SubDirectory	PL021925	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL094254.D	19 Feb 2025 11:12	AR\AJ	Ok
2	I.BLK	PL094255.D	19 Feb 2025 11:26	AR\AJ	Ok
3	PEM	PL094256.D	19 Feb 2025 11:39	AR\AJ	Ok,M
4	PSTDCCC050	PL094257.D	19 Feb 2025 12:21	AR\AJ	Ok
5	PCHLORCCC500	PL094258.D	19 Feb 2025 13:39	AR\AJ	Ok,M
6	PTOXCCC500	PL094259.D	19 Feb 2025 14:22	AR\AJ	Ok
7	PB166771BL	PL094260.D	19 Feb 2025 14:37	AR\AJ	Ok
8	PB166771BS	PL094261.D	19 Feb 2025 14:51	AR\AJ	Ok,M
9	PB166771BS	PL094262.D	19 Feb 2025 15:09	AR\AJ	Ok,M
10	PB166771BS	PL094263.D	19 Feb 2025 15:27	AR\AJ	Ok
11	Q1382-01	PL094264.D	19 Feb 2025 16:12	AR\AJ	Ok,M
12	Q1382-01MS	PL094265.D	19 Feb 2025 16:25	AR\AJ	Ok,M
13	Q1382-01MSD	PL094266.D	19 Feb 2025 16:39	AR\AJ	Ok,M
14	Q1382-03	PL094267.D	19 Feb 2025 16:52	AR\AJ	Ok,M
15	Q1382-05	PL094268.D	19 Feb 2025 17:06	AR\AJ	Ok,M
16	Q1382-07	PL094269.D	19 Feb 2025 17:19	AR\AJ	Ok,M
17	I.BLK	PL094270.D	19 Feb 2025 17:33	AR\AJ	Ok
18	PSTDCCC050	PL094271.D	19 Feb 2025 17:47	AR\AJ	Ok,M
19	PCHLORCCC500	PL094272.D	19 Feb 2025 18:00	AR\AJ	Ok,M
20	PTOXCCC500	PL094273.D	19 Feb 2025 18:14	AR\AJ	Ok,M
21	Q1382-09	PL094274.D	19 Feb 2025 18:27	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL021925

Review By	Abdul	Review On	2/20/2025 8:45:47 AM		
Supervise By	Ankita	Supervise On	2/20/2025 12:59:53 PM		
SubDirectory	PL021925	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1382-11	PL094275.D	19 Feb 2025 18:41	AR\AJ	Ok,M
23	Q1382-13	PL094276.D	19 Feb 2025 18:54	AR\AJ	Ok,M
24	Q1382-15	PL094277.D	19 Feb 2025 19:08	AR\AJ	Ok,M
25	Q1382-17	PL094278.D	19 Feb 2025 19:21	AR\AJ	Ok,M
26	Q1382-19	PL094279.D	19 Feb 2025 19:35	AR\AJ	Ok,M
27	Q1384-01	PL094280.D	19 Feb 2025 19:49	AR\AJ	Ok,M
28	Q1385-01	PL094281.D	19 Feb 2025 20:02	AR\AJ	Ok
29	Q1383-01	PL094282.D	19 Feb 2025 20:16	AR\AJ	Ok,M
30	Q1383-01MS	PL094283.D	19 Feb 2025 20:29	AR\AJ	Ok,M
31	I.BLK	PL094284.D	19 Feb 2025 20:43	AR\AJ	Ok
32	PEM	PL094285.D	19 Feb 2025 20:57	AR\AJ	Ok,M
33	PSTDCCC050	PL094286.D	19 Feb 2025 21:10	AR\AJ	Ok,M
34	Q1383-01MSD	PL094287.D	20 Feb 2025 08:29	AR\AJ	Ok,M
35	I.BLK	PL094288.D	20 Feb 2025 08:43	AR\AJ	Ok
36	PSTDCCC050	PL094289.D	20 Feb 2025 08:56	AR\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL022025

Review By	Abdul	Review On	2/21/2025 7:04:00 AM		
Supervise By	Ankita	Supervise On	2/21/2025 11:11:13 AM		
SubDirectory	PL022025	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL094290.D	20 Feb 2025 09:28	AR\AJ	Ok
2	I.BLK	PL094291.D	20 Feb 2025 09:42	AR\AJ	Ok
3	PEM	PL094292.D	20 Feb 2025 10:02	AR\AJ	Ok,M
4	PSTDCCC050	PL094293.D	20 Feb 2025 10:16	AR\AJ	Ok,M
5	Q1383-03	PL094294.D	20 Feb 2025 10:29	AR\AJ	Ok,M
6	Q1383-05	PL094295.D	20 Feb 2025 10:43	AR\AJ	Ok,M
7	Q1383-07	PL094296.D	20 Feb 2025 10:57	AR\AJ	Ok,M
8	Q1383-09	PL094297.D	20 Feb 2025 11:11	AR\AJ	Ok,M
9	Q1383-11	PL094298.D	20 Feb 2025 11:24	AR\AJ	Ok,M
10	Q1383-13	PL094299.D	20 Feb 2025 11:38	AR\AJ	Ok,M
11	Q1383-15	PL094300.D	20 Feb 2025 11:52	AR\AJ	Ok,M
12	Q1383-17	PL094301.D	20 Feb 2025 12:06	AR\AJ	Ok,M
13	Q1383-19	PL094302.D	20 Feb 2025 12:19	AR\AJ	Ok,M
14	Q1383-21	PL094303.D	20 Feb 2025 12:33	AR\AJ	Ok,M
15	I.BLK	PL094304.D	20 Feb 2025 12:47	AR\AJ	Ok
16	PSTDCCC050	PL094305.D	20 Feb 2025 13:00	AR\AJ	Ok,M
17	PCHLORCCC500	PL094306.D	20 Feb 2025 14:39	AR\AJ	Ok,M
18	PTOXCCC500	PL094307.D	20 Feb 2025 15:53	AR\AJ	Ok,M
19	PB166775BL	PL094308.D	20 Feb 2025 16:08	AR\AJ	Ok
20	PB166775BS	PL094309.D	20 Feb 2025 16:21	AR\AJ	Ok,M
21	PB166775BS	PL094310.D	20 Feb 2025 16:35	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL022025

Review By	Abdul	Review On	2/21/2025 7:04:00 AM		
Supervise By	Ankita	Supervise On	2/21/2025 11:11:13 AM		
SubDirectory	PL022025	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB166775BS	PL094311.D	20 Feb 2025 17:43	AR\AJ	Ok,M
23	I.BLK	PL094312.D	20 Feb 2025 17:58	AR\AJ	Ok
24	PSTDCCC050	PL094313.D	20 Feb 2025 18:12	AR\AJ	Ok,M
25	PCHLORCCC500	PL094314.D	20 Feb 2025 18:26	AR\AJ	Ok,M
26	PTOXCCC500	PL094315.D	20 Feb 2025 18:39	AR\AJ	Ok,M
27	PB166800BL	PL094316.D	20 Feb 2025 18:53	AR\AJ	Ok
28	PB166800BS	PL094317.D	20 Feb 2025 19:06	AR\AJ	Ok,M
29	PB166800BSD	PL094318.D	20 Feb 2025 19:20	AR\AJ	Ok,M
30	Q1393-05	PL094319.D	20 Feb 2025 19:34	AR\AJ	Not Ok
31	I.BLK	PL094320.D	20 Feb 2025 19:47	AR\AJ	Ok
32	PSTDCCC050	PL094321.D	20 Feb 2025 20:14	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL012125

Review By	Abdul	Review On	1/22/2025 8:17:54 AM		
Supervise By	Ankita	Supervise On	1/22/2025 8:30:39 AM		
SubDirectory	PL012125	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL093724.D	21 Jan 2025 10:03		AR\AJ	Ok
2	I.BLK	I.BLK	PL093725.D	21 Jan 2025 10:16		AR\AJ	Ok
3	PEM	PEM	PL093726.D	21 Jan 2025 10:30		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL093727.D	21 Jan 2025 10:43		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL093728.D	21 Jan 2025 10:57		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL093729.D	21 Jan 2025 11:10		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL093730.D	21 Jan 2025 11:24		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL093731.D	21 Jan 2025 11:38		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL093732.D	21 Jan 2025 11:51		AR\AJ	Ok
10	PCHLORICC1000	PCHLORICC1000	PL093733.D	21 Jan 2025 12:05		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL093734.D	21 Jan 2025 12:18		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL093735.D	21 Jan 2025 12:32		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL093736.D	21 Jan 2025 12:45		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL093737.D	21 Jan 2025 12:59		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL093738.D	21 Jan 2025 13:12		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL093739.D	21 Jan 2025 13:26		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL093740.D	21 Jan 2025 13:39		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL093741.D	21 Jan 2025 13:53		AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL012125

Review By	Abdul	Review On	1/22/2025 8:17:54 AM		
Supervise By	Ankita	Supervise On	1/22/2025 8:30:39 AM		
SubDirectory	PL012125	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PTOXICC100	PTOXICC100	PL093742.D	21 Jan 2025 14:07		AR\AJ	Ok
20	PSTDICV050	ICVPL012125	PL093743.D	21 Jan 2025 14:20		AR\AJ	Ok
21	PCHLORICV500	ICVPL012125CHLOR	PL093744.D	21 Jan 2025 14:47		AR\AJ	Ok,M
22	PTOXICV500	ICVPL012125TOX	PL093745.D	21 Jan 2025 15:14		AR\AJ	Ok
23	I.BLK	I.BLK	PL093746.D	21 Jan 2025 15:41		AR\AJ	Ok
24	PEM	PEM	PL093747.D	21 Jan 2025 15:54		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL093748.D	21 Jan 2025 16:07		AR\AJ	Ok,M
26	Q1093-01RE	RT-3407RE	PL093749.D	21 Jan 2025 16:21	F Flag coming , DCB high in 2nd column	AR\AJ	Confirms
27	I.BLK	I.BLK	PL093750.D	21 Jan 2025 16:34		AR\AJ	Ok
28	PSTDCCC050	PSTDCCC050	PL093751.D	21 Jan 2025 16:48		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL021925

Review By	Abdul	Review On	2/20/2025 8:45:47 AM		
Supervise By	Ankita	Supervise On	2/20/2025 12:59:53 PM		
SubDirectory	PL021925	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL094254.D	19 Feb 2025 11:12		AR\AJ	Ok
2	I.BLK	I.BLK	PL094255.D	19 Feb 2025 11:26	DCB high in 2nd column	AR\AJ	Ok
3	PEM	PEM	PL094256.D	19 Feb 2025 11:39		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL094257.D	19 Feb 2025 12:21		AR\AJ	Ok
5	PCHLORCCC500	PCHLORCCC500	PL094258.D	19 Feb 2025 13:39		AR\AJ	Ok,M
6	PTOXCCC500	PTOXCCC500	PL094259.D	19 Feb 2025 14:22		AR\AJ	Ok
7	PB166771BL	PB166771BL	PL094260.D	19 Feb 2025 14:37		AR\AJ	Ok
8	PB166771BS	PB166771BS	PL094261.D	19 Feb 2025 14:51		AR\AJ	Ok,M
9	PB166771BS	PB166771BS	PL094262.D	19 Feb 2025 15:09		AR\AJ	Ok,M
10	PB166771BS	PB166771BS	PL094263.D	19 Feb 2025 15:27		AR\AJ	Ok
11	Q1382-01	OU4-PCS-TC-01-02172	PL094264.D	19 Feb 2025 16:12		AR\AJ	Ok,M
12	Q1382-01MS	OU4-PCS-TC-01-02172	PL094265.D	19 Feb 2025 16:25		AR\AJ	Ok,M
13	Q1382-01MSD	OU4-PCS-TC-01-02172	PL094266.D	19 Feb 2025 16:39		AR\AJ	Ok,M
14	Q1382-03	OU4-PCS-TC-02-02172	PL094267.D	19 Feb 2025 16:52		AR\AJ	Ok,M
15	Q1382-05	OU4-PCS-TC-03-02172	PL094268.D	19 Feb 2025 17:06		AR\AJ	Ok,M
16	Q1382-07	OU4-PCS-TC-04-02172	PL094269.D	19 Feb 2025 17:19		AR\AJ	Ok,M
17	I.BLK	I.BLK	PL094270.D	19 Feb 2025 17:33		AR\AJ	Ok
18	PSTDCCC050	PSTDCCC050	PL094271.D	19 Feb 2025 17:47		AR\AJ	Ok,M

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL021925

Review By	Abdul	Review On	2/20/2025 8:45:47 AM		
Supervise By	Ankita	Supervise On	2/20/2025 12:59:53 PM		
SubDirectory	PL021925	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PCHLORCCC500	PCHLORCCC500	PL094272.D	19 Feb 2025 18:00		AR\AJ	Ok,M
20	PTOXCCC500	PTOXCCC500	PL094273.D	19 Feb 2025 18:14		AR\AJ	Ok,M
21	Q1382-09	OU4-PCS-TC-05-02172	PL094274.D	19 Feb 2025 18:27	DCB high in 2nd column	AR\AJ	Ok,M
22	Q1382-11	OU4-PCS-TC-06-02172	PL094275.D	19 Feb 2025 18:41		AR\AJ	Ok,M
23	Q1382-13	OU4-PCS-TC-07-02172	PL094276.D	19 Feb 2025 18:54		AR\AJ	Ok,M
24	Q1382-15	OU4-PCS-TC-08-02172	PL094277.D	19 Feb 2025 19:08		AR\AJ	Ok,M
25	Q1382-17	OU4-PCS-TC-09-02172	PL094278.D	19 Feb 2025 19:21		AR\AJ	Ok,M
26	Q1382-19	OU4-PCS-TC-10-02172	PL094279.D	19 Feb 2025 19:35		AR\AJ	Ok,M
27	Q1384-01	OR-03-021823025	PL094280.D	19 Feb 2025 19:49		AR\AJ	Ok,M
28	Q1385-01	ST-1	PL094281.D	19 Feb 2025 20:02		AR\AJ	Ok
29	Q1383-01	OU4-PCS-TC-11-02172	PL094282.D	19 Feb 2025 20:16		AR\AJ	Ok,M
30	Q1383-01MS	OU4-PCS-TC-11-02172	PL094283.D	19 Feb 2025 20:29		AR\AJ	Ok,M
31	I.BLK	I.BLK	PL094284.D	19 Feb 2025 20:43		AR\AJ	Ok
32	PEM	PEM	PL094285.D	19 Feb 2025 20:57		AR\AJ	Ok,M
33	PSTDCCC050	PSTDCCC050	PL094286.D	19 Feb 2025 21:10		AR\AJ	Ok,M
34	Q1383-01MSD	OU4-PCS-TC-11-02172	PL094287.D	20 Feb 2025 08:29		AR\AJ	Ok,M
35	I.BLK	I.BLK	PL094288.D	20 Feb 2025 08:43		AR\AJ	Ok
36	PSTDCCC050	PSTDCCC050	PL094289.D	20 Feb 2025 08:56		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL022025

Review By	Abdul	Review On	2/21/2025 7:04:00 AM		
Supervise By	Ankita	Supervise On	2/21/2025 11:11:13 AM		
SubDirectory	PL022025	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL094290.D	20 Feb 2025 09:28		AR\AJ	Ok
2	I.BLK	I.BLK	PL094291.D	20 Feb 2025 09:42		AR\AJ	Ok
3	PEM	PEM	PL094292.D	20 Feb 2025 10:02		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL094293.D	20 Feb 2025 10:16		AR\AJ	Ok,M
5	Q1383-03	OU4-PCS-TC-12-02172	PL094294.D	20 Feb 2025 10:29	TCMX high in 2nd column	AR\AJ	Ok,M
6	Q1383-05	OU4-PCS-TC-13-02172	PL094295.D	20 Feb 2025 10:43	TCMX high in 2nd column	AR\AJ	Ok,M
7	Q1383-07	OU4-PCS-TC-14-02172	PL094296.D	20 Feb 2025 10:57	TCMX high in 2nd column	AR\AJ	Ok,M
8	Q1383-09	OU4-PCS-TC-15-02172	PL094297.D	20 Feb 2025 11:11		AR\AJ	Ok,M
9	Q1383-11	OU4-PCS-TC-16-02172	PL094298.D	20 Feb 2025 11:24	TCMX high in 2nd column	AR\AJ	Ok,M
10	Q1383-13	OU4-PCS-TC-17-02172	PL094299.D	20 Feb 2025 11:38		AR\AJ	Ok,M
11	Q1383-15	OU4-PCS-TC-18-02172	PL094300.D	20 Feb 2025 11:52		AR\AJ	Ok,M
12	Q1383-17	OU4-PCS-TC-19-02172	PL094301.D	20 Feb 2025 12:06		AR\AJ	Ok,M
13	Q1383-19	OU4-PCS-TC-20-02172	PL094302.D	20 Feb 2025 12:19		AR\AJ	Ok,M
14	Q1383-21	OU4-CF-15-021725	PL094303.D	20 Feb 2025 12:33		AR\AJ	Ok,M
15	I.BLK	I.BLK	PL094304.D	20 Feb 2025 12:47		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PL094305.D	20 Feb 2025 13:00		AR\AJ	Ok,M
17	PCHLORCCC500	PCHLORCCC500	PL094306.D	20 Feb 2025 14:39		AR\AJ	Ok,M
18	PTOXCCC500	PTOXCCC500	PL094307.D	20 Feb 2025 15:53		AR\AJ	Ok,M

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL022025

Review By	Abdul	Review On	2/21/2025 7:04:00 AM		
Supervise By	Ankita	Supervise On	2/21/2025 11:11:13 AM		
SubDirectory	PL022025	HP Acquire Method		HP Processing Method	pl012125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB166775BL	PB166775BL	PL094308.D	20 Feb 2025 16:08		AR\AJ	Ok
20	PB166775BS	PB166775BS	PL094309.D	20 Feb 2025 16:21		AR\AJ	Ok,M
21	PB166775BS	PB166775BS	PL094310.D	20 Feb 2025 16:35		AR\AJ	Ok,M
22	PB166775BS	PB166775BS	PL094311.D	20 Feb 2025 17:43		AR\AJ	Ok,M
23	I.BLK	I.BLK	PL094312.D	20 Feb 2025 17:58		AR\AJ	Ok
24	PSTDCCC050	PSTDCCC050	PL094313.D	20 Feb 2025 18:12	CCC failing high for com#16,20	AR\AJ	Ok,M
25	PCHLORCCC500	PCHLORCCC500	PL094314.D	20 Feb 2025 18:26		AR\AJ	Ok,M
26	PTOXCCC500	PTOXCCC500	PL094315.D	20 Feb 2025 18:39		AR\AJ	Ok,M
27	PB166800BL	PB166800BL	PL094316.D	20 Feb 2025 18:53		AR\AJ	Ok
28	PB166800BS	PB166800BS	PL094317.D	20 Feb 2025 19:06		AR\AJ	Ok,M
29	PB166800BSD	PB166800BSD	PL094318.D	20 Feb 2025 19:20		AR\AJ	Ok,M
30	Q1393-05	PURGE-WATER-COMP	PL094319.D	20 Feb 2025 19:34	F Flag coming , TCMX low in 1st column	AR\AJ	Not Ok
31	I.BLK	I.BLK	PL094320.D	20 Feb 2025 19:47		AR\AJ	Ok
32	PSTDCCC050	PSTDCCC050	PL094321.D	20 Feb 2025 20:14	Comp#16 Recovery high	AR\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/19/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 02/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 02/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134739

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
Q1380-06	BP-VPB-192-GW-725-727	1	1.15	8.48	9.63	1.78	7.4	SLUDGE SAMPLE
Q1380-07	Q1380-06MS	2	1.15	8.48	9.63	1.78	7.4	SLUDGE SAMPLE
Q1380-08	Q1380-06MSD	3	1.15	8.48	9.63	1.78	7.4	SLUDGE SAMPLE
Q1382-01	OU4-PCS-TC-01-021725	4	1.15	8.56	9.71	9.02	91.9	
Q1382-03	OU4-PCS-TC-02-021725	5	1.15	8.59	9.74	9.03	91.7	
Q1382-05	OU4-PCS-TC-03-021725	6	1.15	8.56	9.71	9.06	92.4	
Q1382-07	OU4-PCS-TC-04-021725	7	1.16	8.80	9.96	9.3	92.5	
Q1382-09	OU4-PCS-TC-05-021725	8	1.16	8.65	9.81	9.12	92.0	
Q1382-11	OU4-PCS-TC-06-021725	9	1.12	8.76	9.88	9.2	92.2	
Q1382-13	OU4-PCS-TC-07-021725	10	1.11	8.67	9.78	9.1	92.2	
Q1382-15	OU4-PCS-TC-08-021725	11	1.19	8.61	9.8	9.16	92.6	
Q1382-17	OU4-PCS-TC-09-021725	12	1.14	8.66	9.8	9.16	92.6	
Q1382-19	OU4-PCS-TC-10-021725	13	1.14	8.84	9.98	9.4	93.4	
Q1383-01	OU4-PCS-TC-11-021725	14	1.17	8.74	9.91	9.26	92.6	
Q1383-03	OU4-PCS-TC-12-021725	15	1.15	8.73	9.88	9.2	92.2	
Q1383-05	OU4-PCS-TC-13-021725	16	1.12	8.76	9.88	9.22	92.5	
Q1383-07	OU4-PCS-TC-14-021725	17	1.18	8.58	9.76	9.08	92.1	
Q1383-09	OU4-PCS-TC-15-021725	18	1.13	8.77	9.9	9.24	92.5	
Q1383-11	OU4-PCS-TC-16-021725	19	1.16	8.61	9.77	9.09	92.1	
Q1383-13	OU4-PCS-TC-17-021725	20	1.19	8.58	9.77	9.03	91.4	
Q1383-15	OU4-PCS-TC-18-021725	21	1.15	8.60	9.75	9.05	91.9	
Q1383-17	OU4-PCS-TC-19-021725	22	1.15	8.84	9.99	9.29	92.1	
Q1383-19	OU4-PCS-TC-20-021725	23	1.13	8.67	9.8	9.12	92.2	
Q1383-21	OU4-CF-15-021725	24	1.16	8.50	9.66	9.02	92.5	
Q1384-01	OR-03-021823025	25	1.15	8.81	9.96	8.96	88.6	
Q1384-02	OR-03-021823025-E2	26	1.17	8.82	9.99	9.04	89.2	
Q1385-01	ST-1	27	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1385-02	ST-1-E2	28	1.00	1.00	2.00	2.00	100.0	CONCRETE sample

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/19/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 02/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 02/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134739

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

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 134739

WorkList Name : %1-021825 **WorkList ID :** 187742 **Department :** Wet-Chemistry **Date :** 02-18-2025 08:35:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1380-06	BP-VPB-192-GW-725-727	Solid	Percent Solids	Cool 4 deg C	TETR06	H31	02/10/2025	Chemtech -SO
Q1380-07	Q1380-06MS	Solid	Percent Solids	Cool 4 deg C	TETR06	H31	02/10/2025	Chemtech -SO
Q1380-08	Q1380-06MSD	Solid	Percent Solids	Cool 4 deg C	TETR06	H31	02/10/2025	Chemtech -SO
Q1382-01	OU4-PCS-TC-01-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-03	OU4-PCS-TC-02-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-05	OU4-PCS-TC-03-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-07	OU4-PCS-TC-04-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-09	OU4-PCS-TC-05-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-11	OU4-PCS-TC-06-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-13	OU4-PCS-TC-07-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-15	OU4-PCS-TC-08-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-17	OU4-PCS-TC-09-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-19	OU4-PCS-TC-10-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-01	OU4-PCS-TC-11-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-03	OU4-PCS-TC-12-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-05	OU4-PCS-TC-13-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-07	OU4-PCS-TC-14-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-09	OU4-PCS-TC-15-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-11	OU4-PCS-TC-16-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-13	OU4-PCS-TC-17-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-15	OU4-PCS-TC-18-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO

Date/Time 02/18/25 15:00

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 02/18/25 17:00

Raw Sample Received by:

Raw Sample Relinquished by:

VB134739

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-021825 **WorkList ID :** 187742 **Department :** Wet-Chemistry **Date :** 02-18-2025 08:35:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1383-17	OU4-PCS-TC-19-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-19	OU4-PCS-TC-20-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-21	OU4-CF-15-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1384-01	OR-03-021823025	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	02/18/2025	Chemtech -SO
Q1384-02	OR-03-021823025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	02/18/2025	Chemtech -SO
Q1385-01	ST-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	H21	02/18/2025	Chemtech -SO
Q1385-02	ST-1-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	H21	02/18/2025	Chemtech -SO

Date/Time 02/18/25 15:00

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

Date/Time 02/18/25 17:00

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB166775

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Florisil			**Extraction Start Date :**	02/19/2025
Matrix :	Solid			**Extraction Start Time :**	09:40
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	02/19/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:40
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24091
Surrogate	1.0ML	200 PPB	PP24123
Spike Sol 2	2.0ML	1000 PPB	PP24080
Spike Sol 3	2.0ML	1000 PPB	PP24081
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2583
Baked Na2SO4	N/A	EP2589
Sand	N/A	E2865
Hexane	N/A	E3877
Florisil	N/A	E3806
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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

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
02/19/25	RP (Ext. lab)	R. Patel / PCB Lab
12:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166775

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 02/19/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166775BL	PBLK775	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			U7-1
PB166775BS	PLCS775	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			2
Q1383-01	OU4-PCS-TC-11-021725	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		3
Q1383-01MS	OU4-PCS-TC-11-021725MS	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		4
Q1383-01MSD	OU4-PCS-TC-11-021725MSD	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		5
Q1383-03	OU4-PCS-TC-12-021725	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		6
Q1383-05	OU4-PCS-TC-13-021725	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		U6-1
Q1383-07	OU4-PCS-TC-14-021725	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		2
Q1383-09	OU4-PCS-TC-15-021725	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
Q1383-11	OU4-PCS-TC-16-021725	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		4
Q1383-13	OU4-PCS-TC-17-021725	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		5
Q1383-15	OU4-PCS-TC-18-021725	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		6
Q1383-17	OU4-PCS-TC-19-021725	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		U4-1
Q1383-19	OU4-PCS-TC-20-021725	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		2
Q1383-21	OU4-CF-15-021725	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		3
	CHLORDANE TOXAPHENE	1	30.00 30.02	1	1	1	10			4 5

* **Extracts relinquished on the same date as received.**

2/19/25

Q1383-Pesticide-TCL

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1383PEST **WorkList ID :** 187765 **Department :** Extraction **Date :** 02-19-2025 08:10:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1383-01	OU4-PCS-TC-11-021725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	H31	02/17/2025	8081B
Q1383-03	OU4-PCS-TC-12-021725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	H31	02/17/2025	8081B
Q1383-05	OU4-PCS-TC-13-021725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	H31	02/17/2025	8081B
Q1383-07	OU4-PCS-TC-14-021725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	H31	02/17/2025	8081B
Q1383-09	OU4-PCS-TC-15-021725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	H31	02/17/2025	8081B
Q1383-11	OU4-PCS-TC-16-021725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	H31	02/17/2025	8081B
Q1383-13	OU4-PCS-TC-17-021725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	H31	02/17/2025	8081B
Q1383-15	OU4-PCS-TC-18-021725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	H31	02/17/2025	8081B
Q1383-17	OU4-PCS-TC-19-021725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	H31	02/17/2025	8081B
Q1383-19	OU4-PCS-TC-20-021725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	H31	02/17/2025	8081B
Q1383-21	OU4-CF-15-021725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	H31	02/17/2025	8081B

Date/Time 02/19/25 9:35
Raw Sample Received by: [illegible]
Raw Sample Relinquished by: [illegible]

Date/Time 02/19/25 10:00
Raw Sample Received by: [illegible]
Raw Sample Relinquished by: [illegible]

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

Prep Standard - Chemical Standard Summary

Order ID : Q1383

Test : Pesticide-TCL

Prepbatch ID : PB166775,

Sequence ID/Qc Batch ID: pl021925,PL022025,

Standard ID :
EP2583,EP2589,PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683,PP23686,PP23687,PP23690,PP23693,PP23695,PP23698,PP23733,PP23793,PP24080,PP24081,PP24091,PP24095,PP24123,

Chemical ID :
E2865,E3551,E3792,E3805,E3806,E3843,E3846,E3847,E3872,E3873,E3877,P 11146,P11896,P12600,P13036,P13039,P13245,P13349,P13350,P13353,P13359,P13402,P13404,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
230	1:1ACETONE/HEXANE	EP2583	02/04/2025	07/29/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 02/04/2025

FROM 8000.00000ml of E3872 + 8000.00000ml of E3873 = Final Quantity: 8000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2589	02/14/2025	07/01/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 02/14/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP23673	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 1.00000ml of P13349 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP23674	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 1.00000ml of P13036 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1472	20 PPM Pest Stock Solution 2nd Source	PP23675	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 1.00000ml of P13039 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1273	20 PPM Mirex Stock (Primary Source)	PP23676	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.20000ml of P11146 + 9.80000ml of E3792 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3663	20 PPM MIREX Stock STD (Secondary source)	PP23677	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.20000ml of P11146 + 9.80000ml of E3792 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP23678	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23674 + 0.50000ml of PP23676 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
80	100/100 PPB Pesticide Working Solution 2nd Source	PP23679	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23675 + 0.50000ml of PP23677 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
386	1000/100 PPB Chlordane STD (Restek)	PP23680	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP23681	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
383	1000/100 PPB Toxaphene STD (Restek)	PP23682	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.10000ml of P13359 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP23683	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.10000ml of P13402 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3632	50 PPB ICAL PEST STD(RESTEK)	PP23686	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23678 = Final Quantity: 1.000 ml

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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3988	50 PPB PEST ICV STD(RESTEK)	PP23687	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23679 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
529	CHLOR 500 PPB STD	PP23690	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23680 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
532	CHLOR 500 PPB ICV STD	PP23693	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23681 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
534	TOX 500 PPB STD	PP23695	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23682 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3670	TOX 500 PPB ICV std (RESTEK)	PP23698	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23683 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP23733	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 1.00000ml of P13350 + 9.00000ml of E3805 = Final Quantity: 10.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
518	Pest/PCB I.BLK 20 PPB	PP23793	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024

FROM 99.90000ml of E3805 + 0.10000ml of PP23733 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3878	1000 PPB TOXAPHENE SPIKE (RESTEK)	PP24080	12/16/2024	06/05/2025	Abdul Mirza	None	None	Ankita Jodhani 12/17/2024

FROM 0.10000ml of P13404 + 99.90000ml of E3843 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1501	1000 ppb CHLORDANE SPIKE (RESTEK)	PP24081	12/16/2024	06/16/2025	Abdul Mirza	None	None	Ankita Jodhani 12/17/2024

FROM 0.10000ml of P12600 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
79	500 PPB Pesticide Spike Solution	PP24091	12/17/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 12/18/2024

FROM 95.00000ml of E3843 + 2.50000ml of PP23675 + 2.50000ml of PP23677 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
465	200 PPB Pest/PCB Surrogate Spike	PP24123	01/20/2025	06/26/2025	Abdul Mirza	None	None	Ankita Jodhani 01/20/2025

FROM 1.00000ml of P13353 + 999.00000ml of E3846 = Final Quantity: 1000.000 ml

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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	07/01/2025	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)	24C1862008	03/11/2025	09/12/2024 / Rajesh	09/11/2024 / Rajesh	E3792

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)	24C1862008	03/30/2025	09/30/2024 / Rajesh	09/25/2024 / Rajesh	E3805

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agela Technologies Inc.	FS0006 / Cleanert Florisil cartridge	M06518	03/25/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3806

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	06/05/2025	12/05/2024 / Rajesh	12/05/2024 / Rajesh	E3843

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	06/26/2025	12/26/2024 / Rajesh	12/13/2024 / Rajesh	E3846

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-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3872

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	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3873

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 #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	102821	03/21/2025	09/21/2024 / Abdul	10/29/2021 / Abdul	P11146

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0181737	03/21/2025	09/21/2024 / Abdul	06/17/2022 / Abdul	P11896

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0193299	06/16/2025	12/16/2024 / Abdul	07/03/2023 / Abdul	P12600

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	03/21/2025	09/21/2024 / Abdul	12/26/2023 / Abdul	P13036

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	03/21/2025	09/21/2024 / Abdul	12/26/2023 / Abdul	P13039

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	03/21/2025	09/21/2024 / Abdul	04/22/2024 / Abdul	P13349

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	04/03/2025	10/03/2024 / Ankita	04/22/2024 / Abdul	P13350

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	07/20/2025	01/20/2025 / Abdul	04/22/2024 / Abdul	P13353

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203830	03/21/2025	09/21/2024 / Abdul	05/03/2024 / Abdul	P13359

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	03/21/2025	09/21/2024 / Abdul	05/15/2024 / Abdul	P13402

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	06/16/2025	12/16/2024 / Abdul	05/15/2024 / Abdul	P13404

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

P12596 ⑦
↓
P12602

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.)

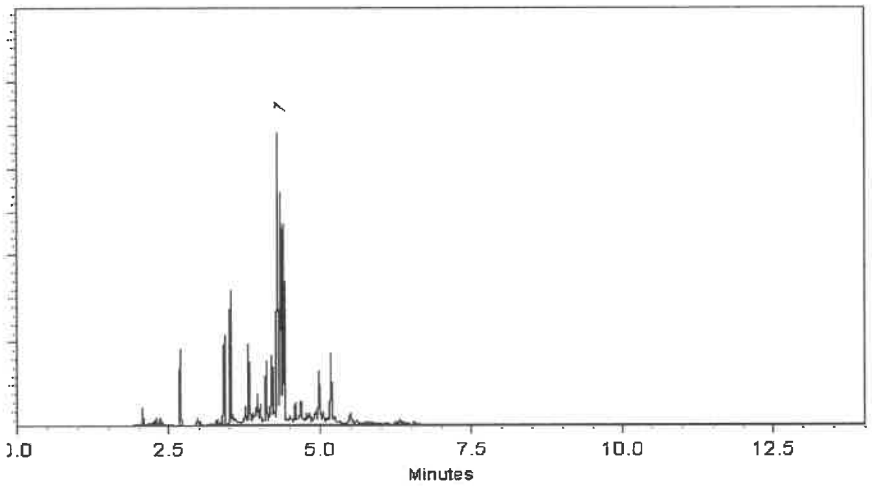
Inj. Temp:
250°C

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 - Operations Tech I

Date Mixed: 06-Jan-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

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	<= 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

James T Ethier
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 QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RI on 7/24/23 E3551

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	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	0.4 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 09/11/24

E 3792

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	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	0.4 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

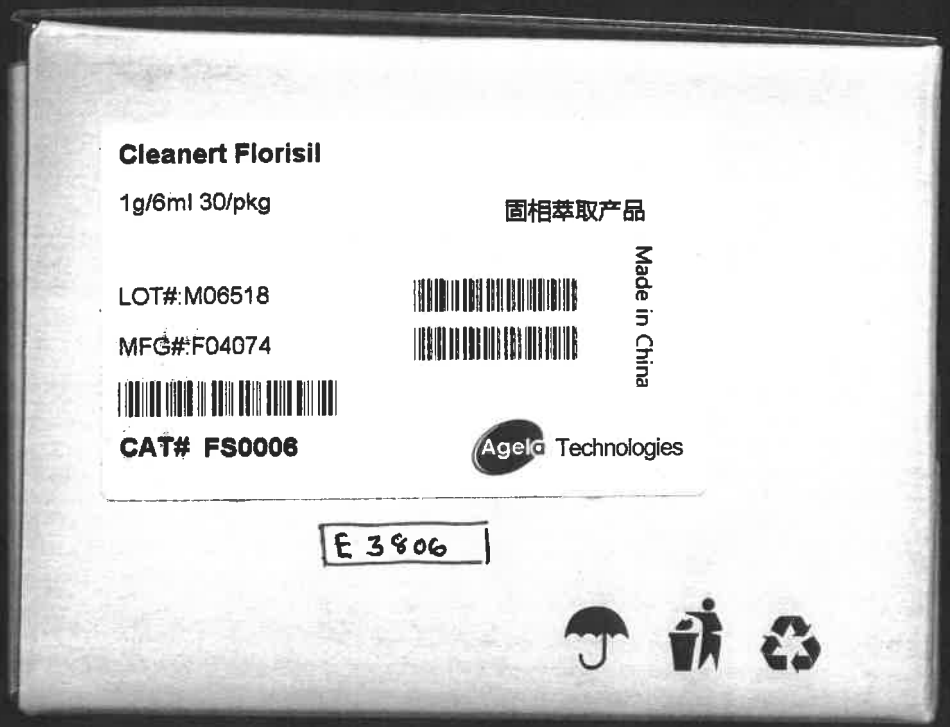
Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 9/25/24

E3805

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production


Cleanert Florisil
1g/6ml 30/pkg
固相萃取产品
LOT#:M06518
MFG#:F04074
CAT# FS0006
Agela Technologies
Made in China
E3806

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 12/5/24

E 3843

J Croak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 12/13/24

E 3846

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 12/13/24
E3847

J Croak
Jamie Croak
Director Quality Operations, Bioscience Production

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 1/29/25

E3872

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 1/29/25

E 3873

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0181737

Description : Chlordane Standard

Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Chlordane	1,006.0 µg/mL	+/- 5.9753	µg/mL	Gravimetric
	CAS # 57-74-9 (Lot 978545)		+/- 31.8975	µg/mL	Unstressed
	Purity ----%		+/- 41.6615	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P 11892 (5)
↓
P 11896

06/17/2022

Tech Tips:
CAS #57-74-9 nomenclature is based on EPA method 8081B.

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

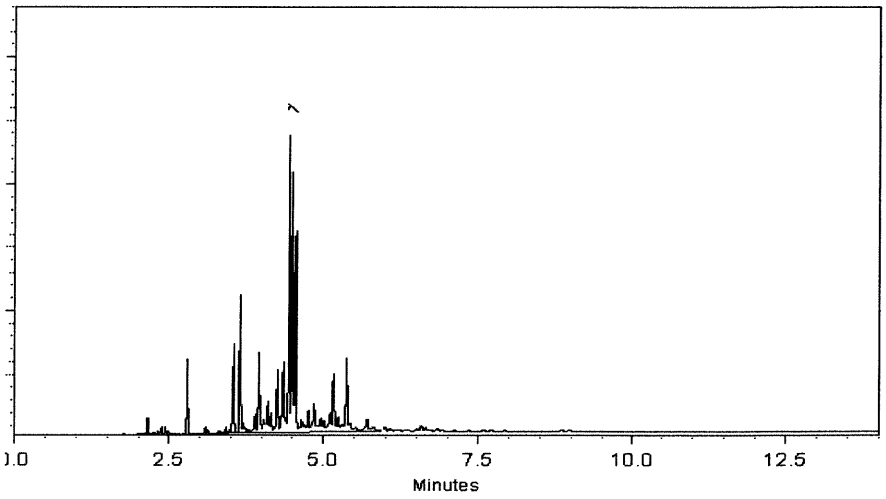
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

Date Mixed: 11-Feb-2022 **Balance:** B442140311

Marlina Cowan - Operations Tech I

Date Passed: 24-Feb-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P 11892 | (5)
↓
P 11896
1
06/17/2022

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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P130397 } 5
↓
P130437

Catalog No. : 32291 **Lot No.:** A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P 13039 5
↓
P 13043 1
12/26/23

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

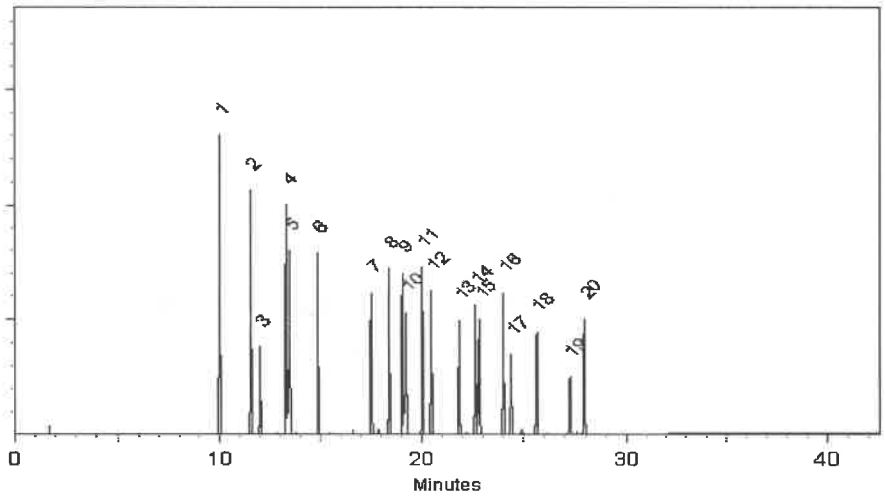
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 79136
Lot Number: 102821
Description: Mirex

Expiration Date: 102826
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

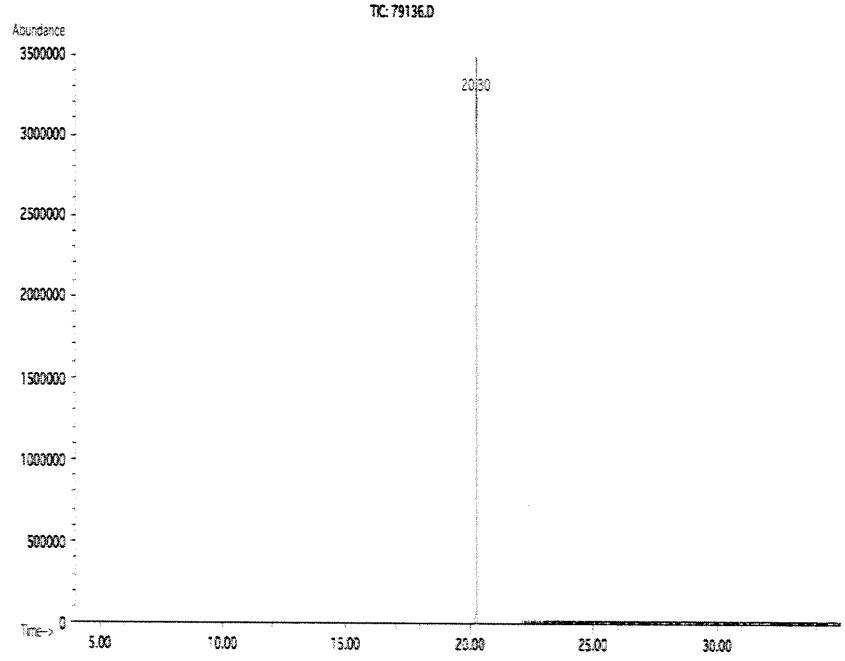
Solvent(s): **Lot#**
Acetone 81025

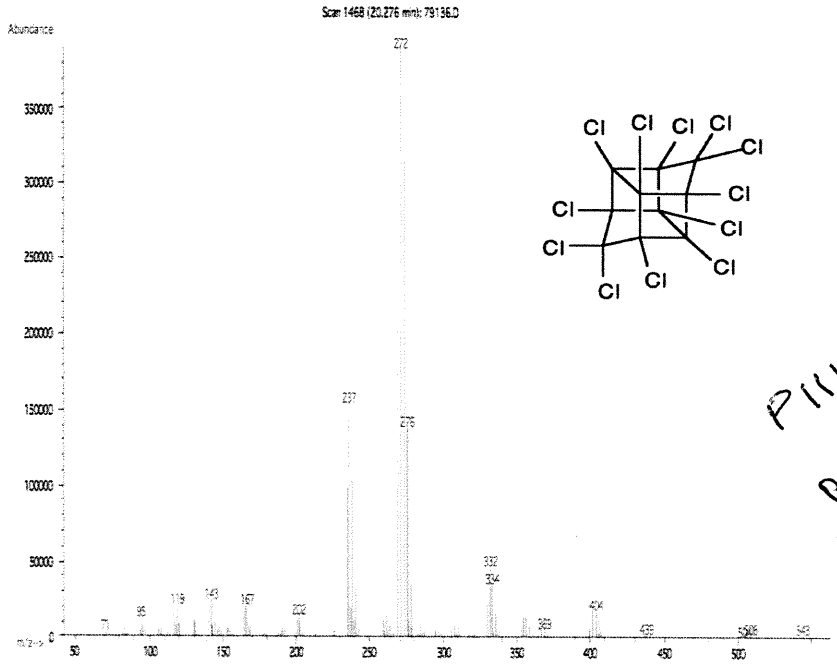
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.006 Flask Uncertainty

Formulated By:	Eli Aliaga	102821 DATE
Reviewed By:	Pedro L. Rentas	102821 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	0.05039	1000.9	10.3	2385-85-5	N/A	orl-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.





P1142 To P1146
AR 11/02/21

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P 13034 } 5
P 13038 }

12.26.2023

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4	µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5	µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9	µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9	µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034) 5
↓
P13038 1

12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

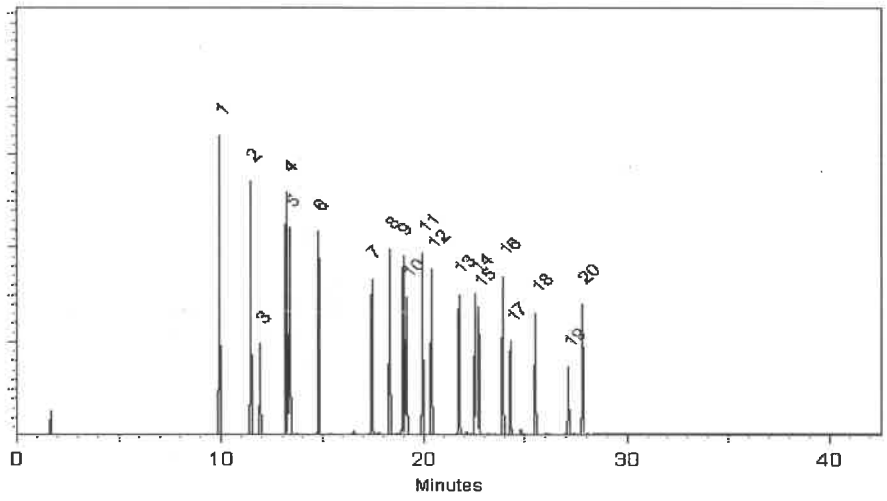
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 19161
Lot Number: 013124
Description: CLP Pesticides & PCB's Resolution Check Standard
9 components

Solvent(s):	Lot#	
Hexane	273615	(50%)
Toluene	28508	(50%)

Expiration Date: 013129
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Volume(s) shown below were combined and diluted to (mL): 100.0 ± 0.021 Flask Uncertainty

5E-05 Balance Uncertainty

Formulated By:	Lawrence Barry	013124 DATE
Reviewed By:	Pedro L. Rentas	013124 DATE

	Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	orl-rat 500mg/kg
2.	Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	orl-rat 18mg/kg
3.	4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	orl-rat 880mg/kg
4.	Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	orl-rat 38300ug/kg
5.	Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	orl-rat 18mg/kg
6.	Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7.	4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	orl-rat 6000mg/kg
8.	2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9.	Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

P13243 & P13247 (5)

02/9/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13348 (10)
↓
P13357

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

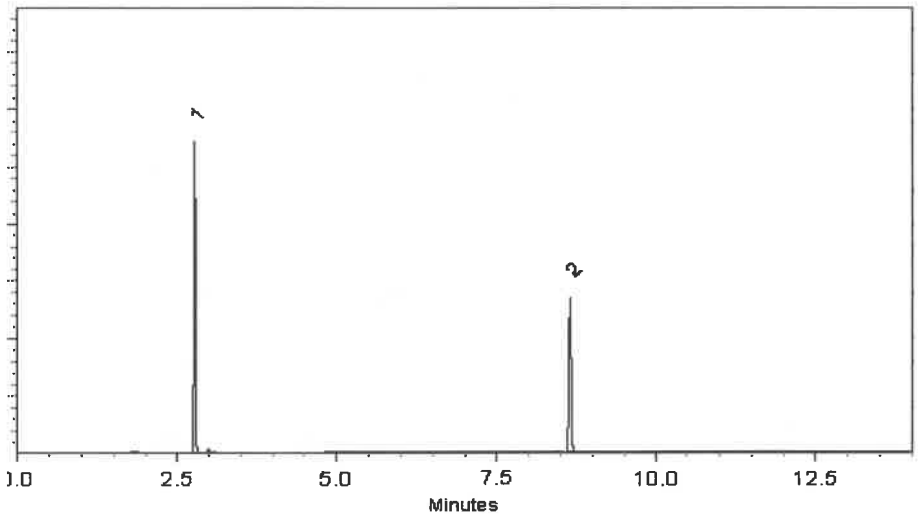
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13348 (10)
↓
P13357
04/25/2025

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13348 (10)
↓
P13357

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

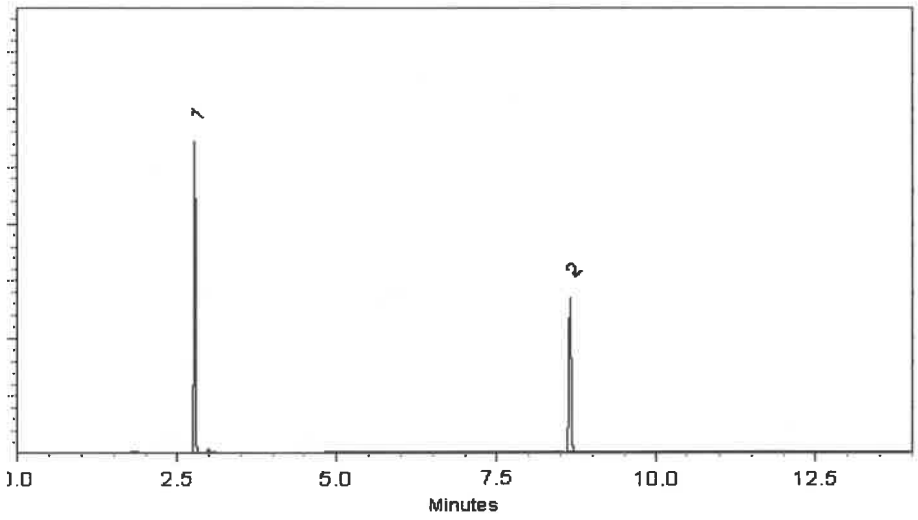
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13348 (10)
↓
P13357
04/25/2025

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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P13348 (10)
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P13357

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Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
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Solvent: Acetone
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Purity 99%

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Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

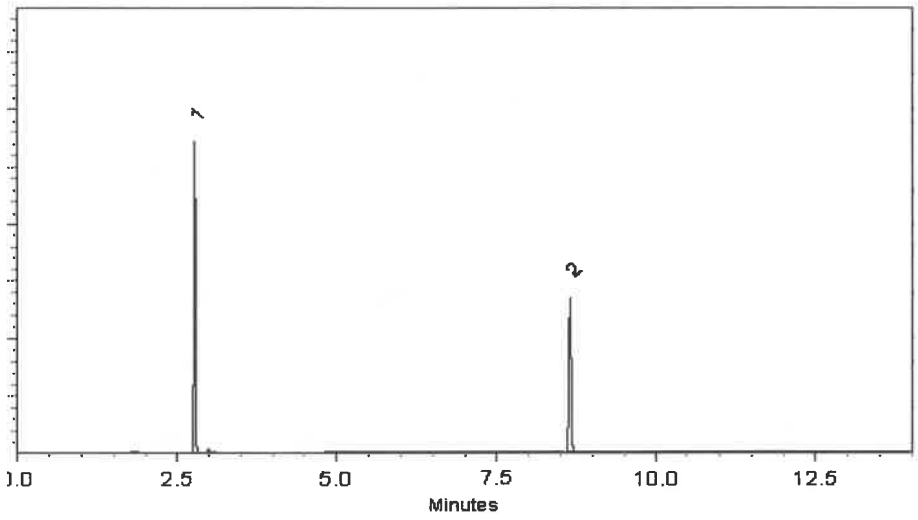
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



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Laith Clemente - Operations Technician I **Date Mixed:** 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13348 (10)
↓
P13357
04/25/2025

RESTEK
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13358 (12)
↓
P13369

05-06-2024

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

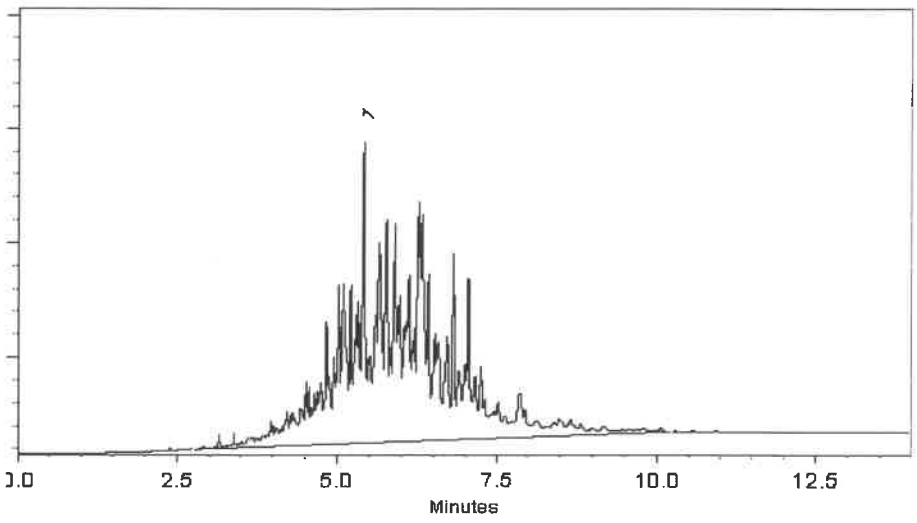
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I **Date Mixed:** 10-Oct-2023 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 16-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13358 (12)

P13369

05-06-2024

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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Certificate of Analysis

chromatographic plus

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P13402 & P13406 (5)

5/22/2021

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

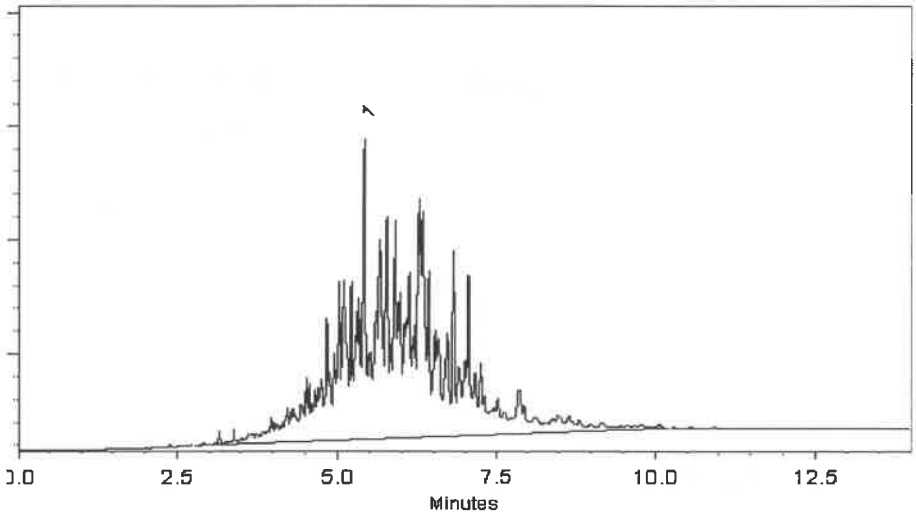
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



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Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 16-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P1340Z
↓
P1340G
5
5/22/2024

RESTEK
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
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Rtx-CLP II (cat.# 11323)

Carrier Gas:
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Temp. Program:
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@ 25°C/min. (hold 10 min.)

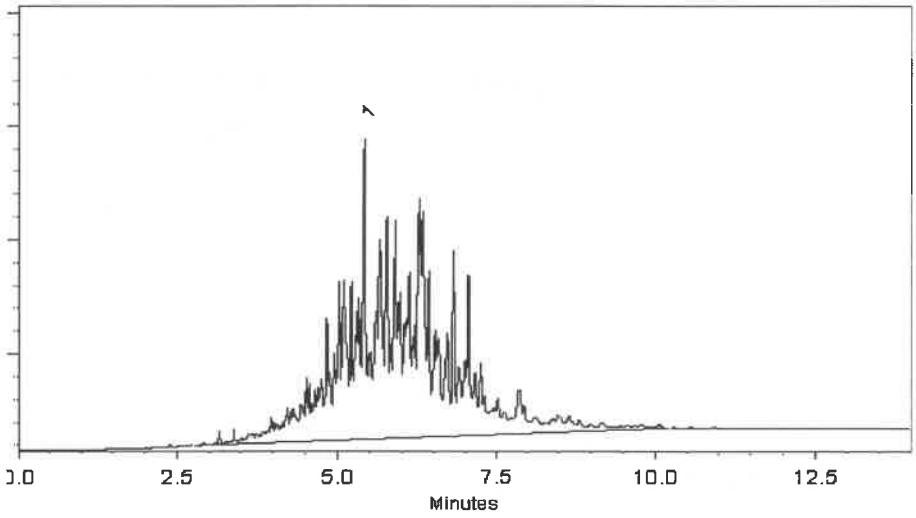
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



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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

P1340 2 ↓ P1340 6 } 5

5/22/2024

SHIPPING DOCUMENTS

Q1383

Chemtech

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

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020

Company Name:	Nobis Group
Address:	55 Technology Dr Suite 101, Lowell, MA 01851
Phone:	978-703-6014
Project Name:	Raymark
Project Location:	Stratford, CT
Project Number:	95700
Project Manager:	Adam Roy
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	A. Brittingham

Requested Turnaround Time
5-Day ☐ 10-Day ☑
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1] Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020	
	OU4-PCS-TC-11-021725	2/17/25	9:20	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-12-021725	2/17/25	9:25	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-13-021725	2/17/25	9:30	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-14-021725	2/17/25	9:35	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-15-021725	2/17/25	9:40	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-16-021725	2/17/25	9:45	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-17-021725	2/17/25	9:50	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-18-021725	2/17/25	9:55	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-19-021725	2/17/25	10:00	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-20-021725	2/17/25	10:05	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-CF-15-021725	2/17/25	8:15	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	

[2] Preservation Code
Container Type
Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest is not responsible for missing samples from prepacked coolers

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	Date/Time: 2/17/25 1200
Received by: (signature)	Date/Time: 2-18-25 10:25
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments:
IR Cuvette
3.1 C

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1383 NOBI03 **Order Date :** 2/18/2025 11:19:00 AM **Project Mgr :**
Client Name : Nobis Group **Project Name :** Raymark Superfund Site **Report Type :** Level 4
Client Contact : Adam Roy **Receive DateTime :** 2/18/2025 10:25:00 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
Q1383-01	OU4-PCS-TC-11-021725	Solid	02/17/2025	09:20					
					VOCMS Group3		8260D		10 Bus. Days
Q1383-03	OU4-PCS-TC-12-021725	Solid	02/17/2025	09:25					
					VOCMS Group3		8260D		10 Bus. Days
Q1383-05	OU4-PCS-TC-13-021725	Solid	02/17/2025	09:30					
					VOCMS Group3		8260D		10 Bus. Days
Q1383-07	OU4-PCS-TC-14-021725	Solid	02/17/2025	09:35					
					VOCMS Group3		8260D		10 Bus. Days
Q1383-09	OU4-PCS-TC-15-021725	Solid	02/17/2025	09:40					
					VOCMS Group3		8260D		10 Bus. Days
Q1383-11	OU4-PCS-TC-16-021725	Solid	02/17/2025	09:45					
					VOCMS Group3		8260D		10 Bus. Days
Q1383-13	OU4-PCS-TC-17-021725	Solid	02/17/2025	09:50					
					VOCMS Group3		8260D		10 Bus. Days
Q1383-15	OU4-PCS-TC-18-021725	Solid	02/17/2025	09:55					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q1383 NOBI03	**Order Date :**	2/18/2025 11:19:00 AM	**Project Mgr :**	
Client Name :	Nobis Group	**Project Name :**	Raymark Superfund Site	**Report Type :**	Level 4
Client Contact :	Adam Roy	**Receive DateTime :**	2/18/2025 10:25:00 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
					VOCMS Group3		8260D	10 Bus. Days		
Q1383-17	OU4-PCS-TC-19-021725	Solid	02/17/2025	10:00						
					VOCMS Group3		8260D	10 Bus. Days		
Q1383-19	OU4-PCS-TC-20-021725	Solid	02/17/2025	10:05						
					VOCMS Group3		8260D	10 Bus. Days		
Q1383-21	~~OU4-PCS-TC-1~~-021725 OU4-EF-15	Solid	02/17/2025	08:15						
					VOCMS Group3		8260D	10 Bus. Days		

Relinguished By : _____
Date / Time : 2-18-25 1245

Received By : _____
Date / Time : 02/18/25

Storage Area : **VOA Refridgerator Room**

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093726.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:30
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:04:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.775	49897579	58438387	18.530	17.903	
28)	SA Decachlor...	9.052	7.909	37808316	62882920	18.074	17.946	
	Target Compounds							
2)	A alpha-BHC	3.994	3.277	36373358	42163610	9.487	8.624	
3)	MA gamma-BHC...	4.326	3.607	34234012	39348781	9.296	8.299	
5)	MB Aldrin	0.000	4.240f	0	192050	N.D.	0.042	#
6)	B beta-BHC	4.525	3.907	15730216	19569860	9.787	9.797	
7)	B delta-BHC	0.000	4.133	0	143143	N.D.	0.030	#
8)	B Heptachlo...	0.000	4.735	0	88960	N.D.	0.021	#
9)	A Endosulfan I	0.000	5.096	0	44117	N.D.	0.011	#
10)	B gamma-Chl...	0.000	4.984	0	751320	N.D.	0.177	#
11)	B alpha-Chl...	0.000	5.034	0	155684	N.D.	0.037	#
12)	B 4,4'-DDE	0.000	5.230	0	775354	N.D.	0.193	#
13)	MA Dieldrin	0.000	5.373	0	563362	N.D.	0.131	#
14)	MA Endrin	6.572	5.636	96765137	157.7E6	41.268	42.705	
15)	B Endosulfa...	6.815f	5.944	2199409	1088029	0.913	0.294	#
16)	A 4,4'-DDD	6.709	5.785	4693579	5600389	2.470	1.774	#
17)	MA 4,4'-DDT	7.022	6.034	162.5E6	314.0E6	82.406	96.508	
18)	B Endrin al...	6.922	6.109	2964016	6776503	1.525	2.226	#
20)	A Methoxychlor	7.498	6.609	198.6E6	375.4E6	190.379	209.937	
21)	B Endrin ke...	7.640	6.838	5274952	9599279	2.091	2.288	

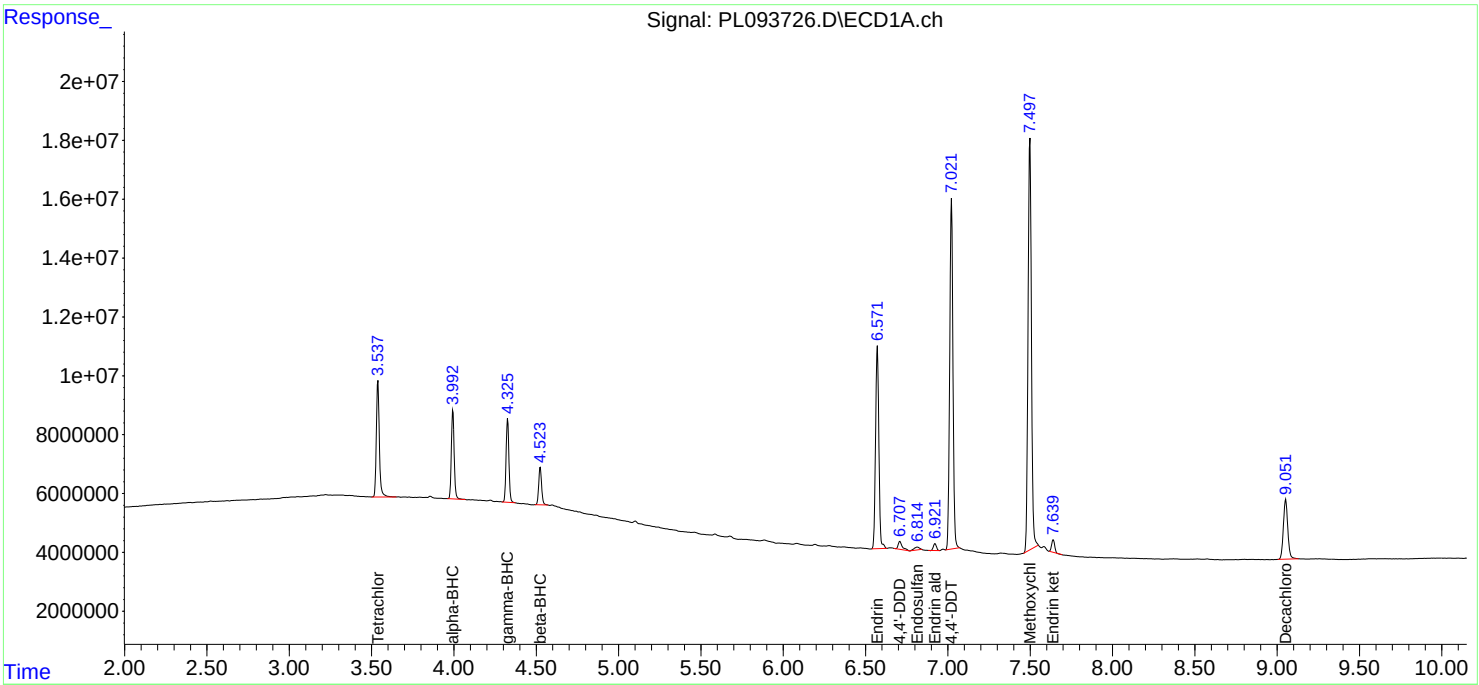
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

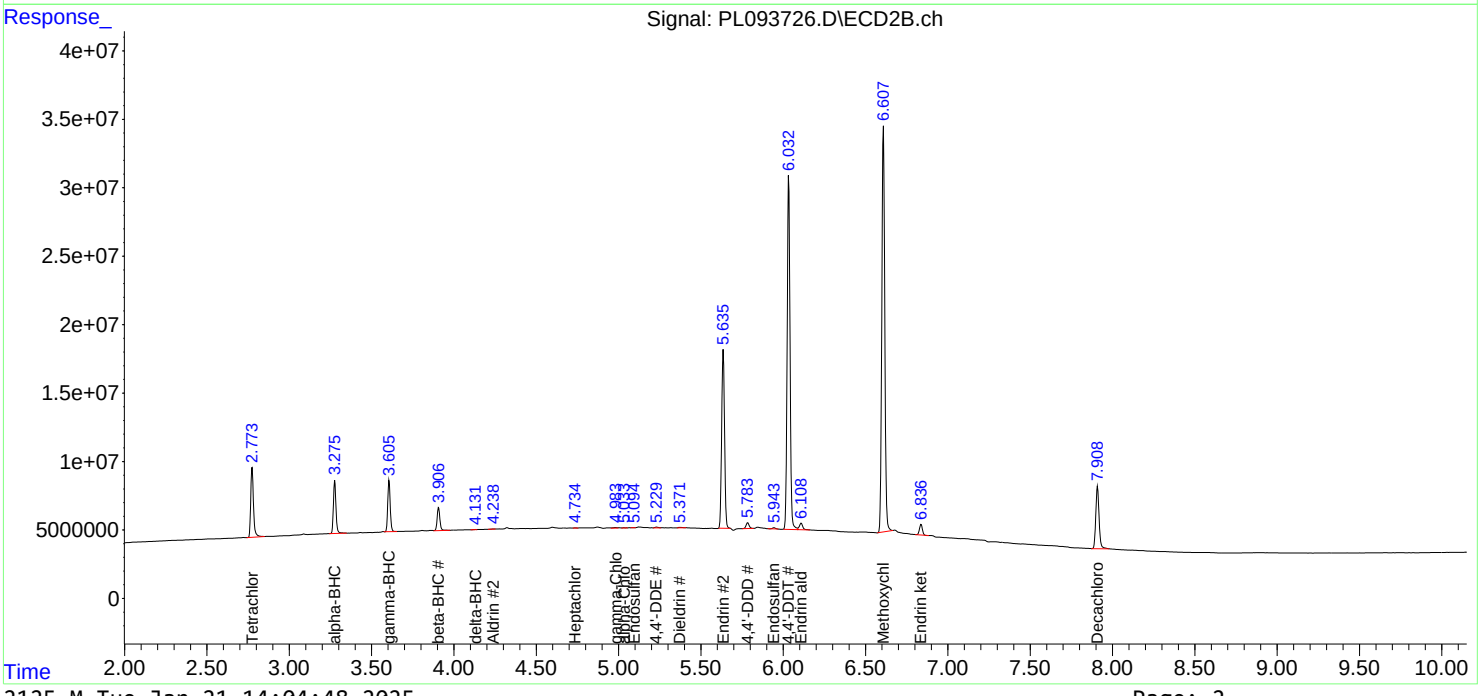
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093726.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:30
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

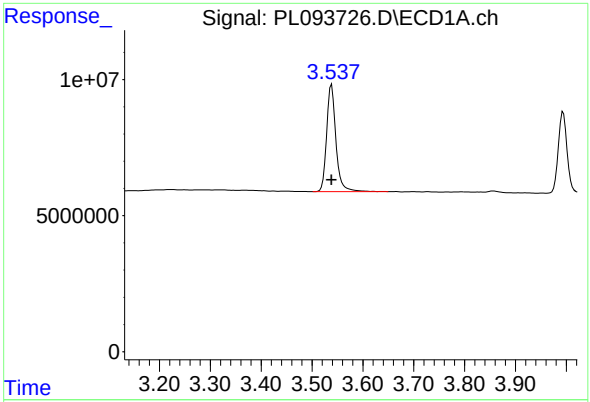
Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:04:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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



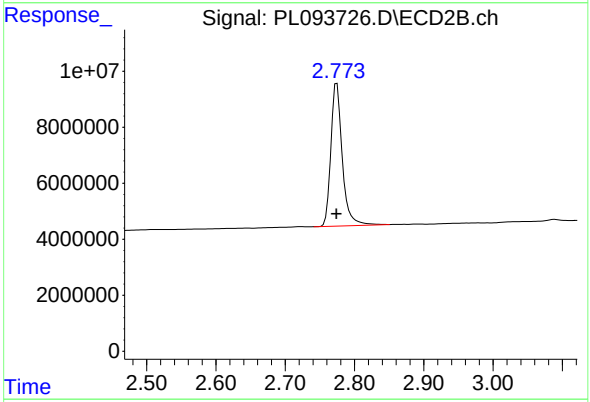




#1 Tetrachloro-m-xylene

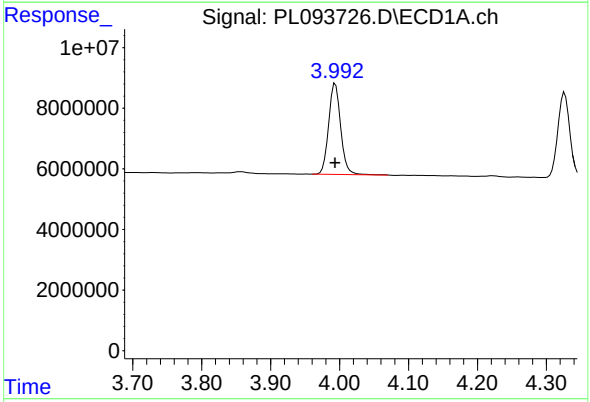
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 49897579
Conc: 18.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



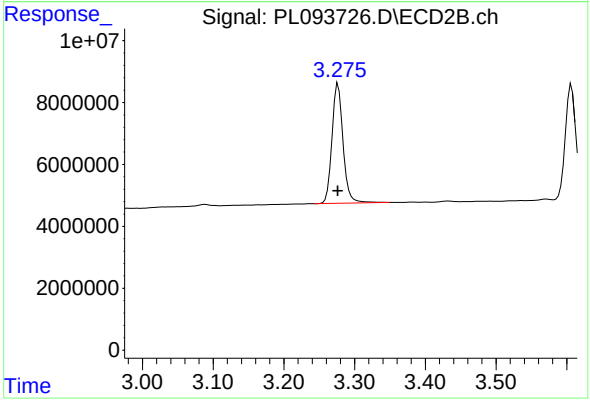
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.000 min
Response: 58438387
Conc: 17.90 ng/ml



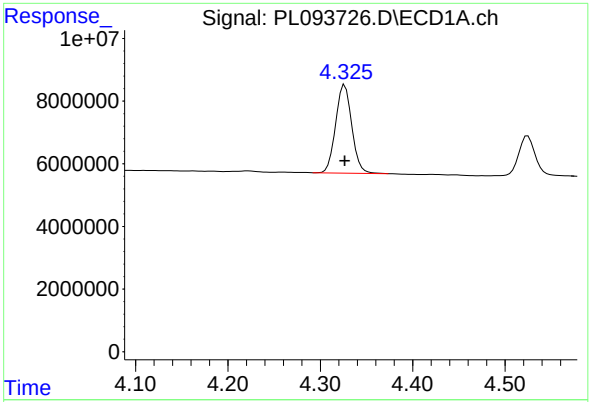
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 36373358
Conc: 9.49 ng/ml



#2 alpha-BHC

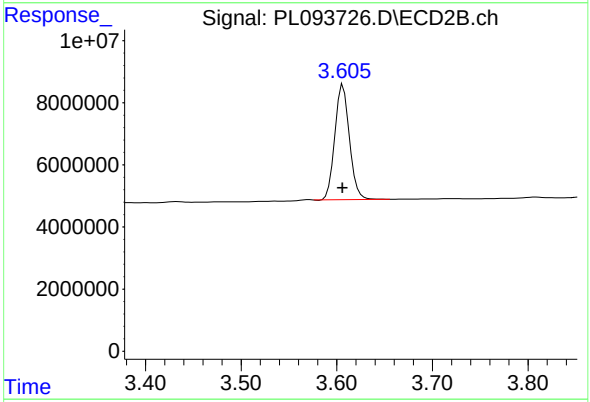
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 42163610
Conc: 8.62 ng/ml



#3 gamma-BHC (Lindane)

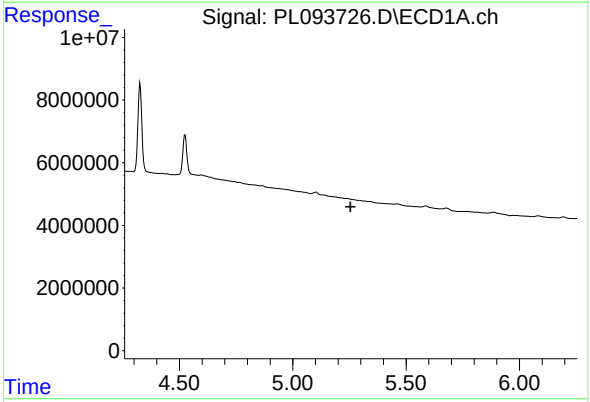
R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 34234012
Conc: 9.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



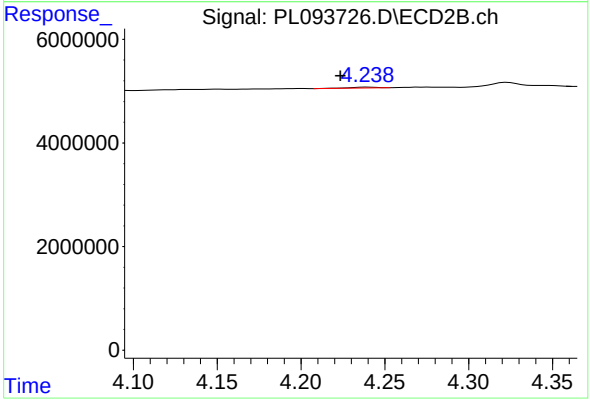
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 39348781
Conc: 8.30 ng/ml



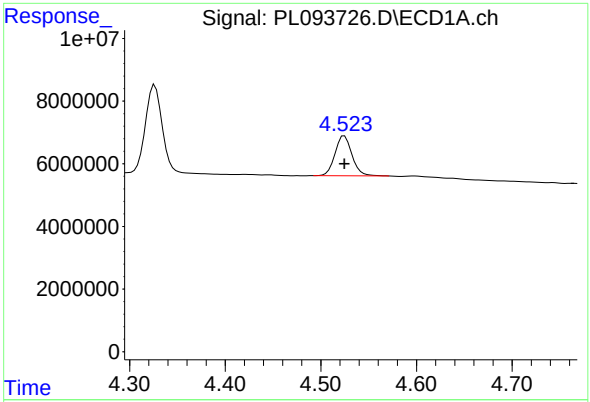
#5 Aldrin

R.T.: 0.000 min
Exp R.T. : 5.255 min
Response: 0
Conc: N.D.



#5 Aldrin

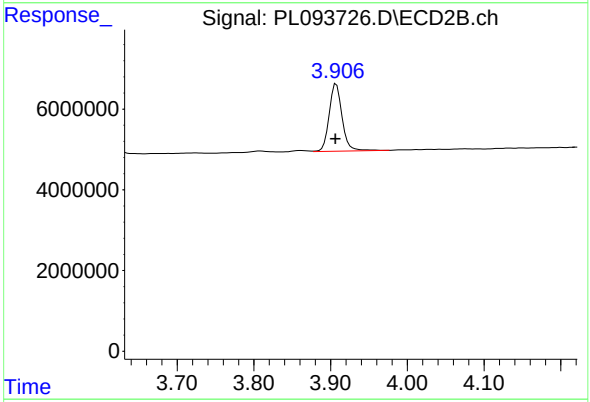
R.T.: 4.240 min
Delta R.T.: 0.017 min
Response: 192050
Conc: 0.04 ng/ml



#6 beta-BHC

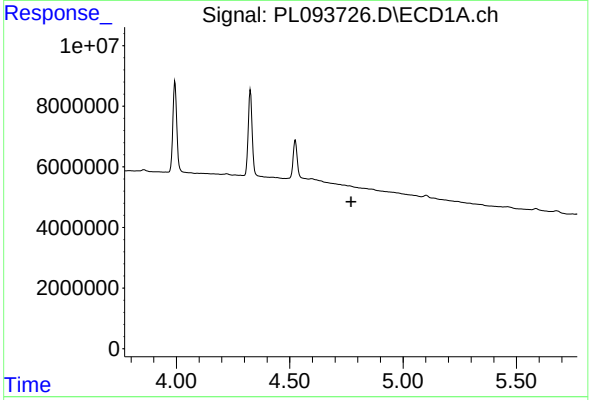
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 15730216
Conc: 9.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



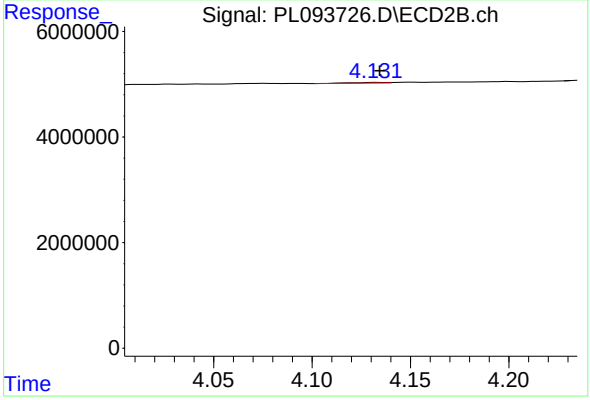
#6 beta-BHC

R.T.: 3.907 min
Delta R.T.: 0.001 min
Response: 19569860
Conc: 9.80 ng/ml



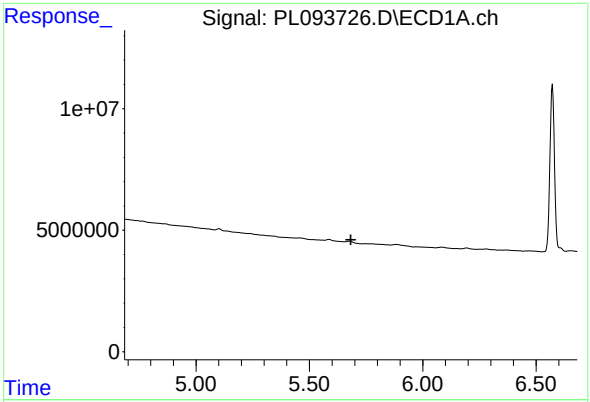
#7 delta-BHC

R.T.: 0.000 min
Exp R.T. : 4.771 min
Response: 0
Conc: N.D.



#7 delta-BHC

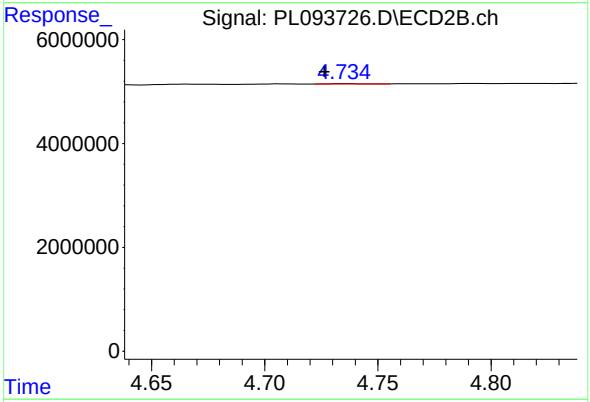
R.T.: 4.133 min
Delta R.T.: -0.002 min
Response: 143143
Conc: 0.03 ng/ml



#8 Heptachlor epoxide

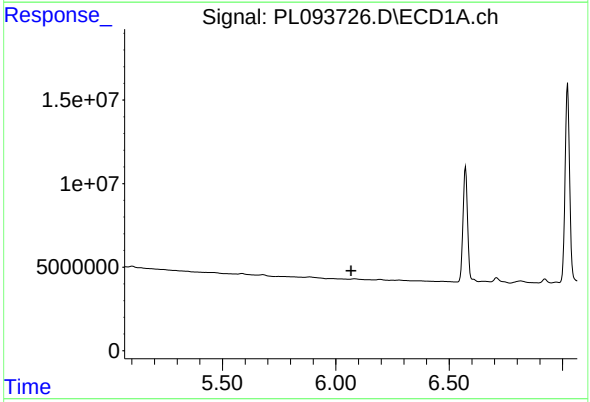
R.T.: 0.000 min
Exp R.T. : 5.682 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



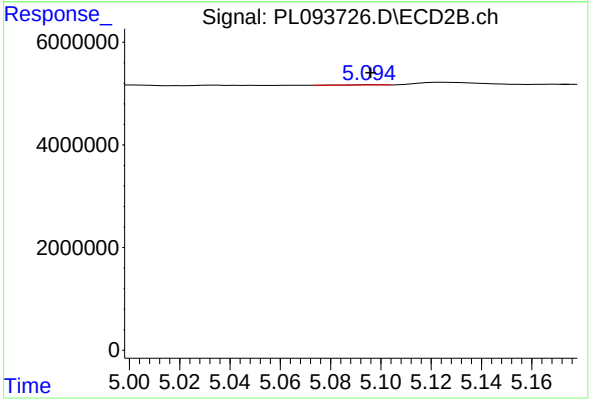
#8 Heptachlor epoxide

R.T.: 4.735 min
Delta R.T.: 0.009 min
Response: 88960
Conc: 0.02 ng/ml



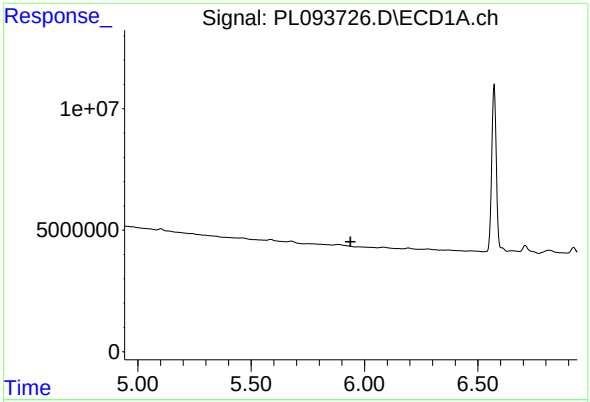
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T. : 6.068 min
Response: 0
Conc: N.D.



#9 Endosulfan I

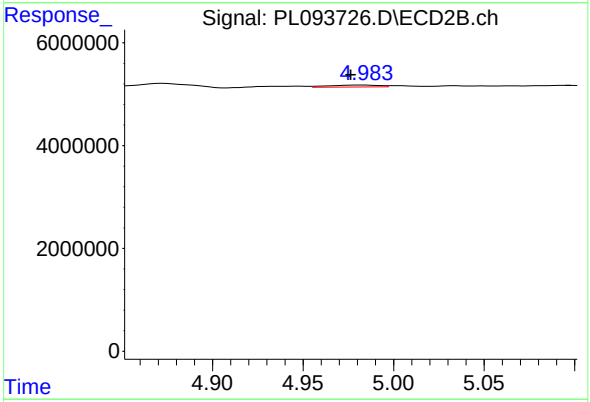
R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 44117
Conc: 0.01 ng/ml



#10 gamma-Chlordane

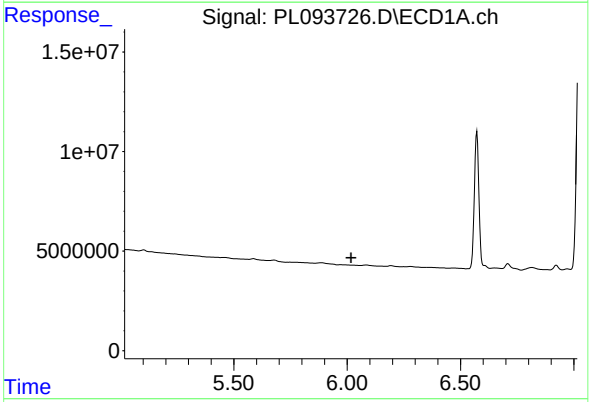
R.T.: 0.000 min
Exp R.T. : 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



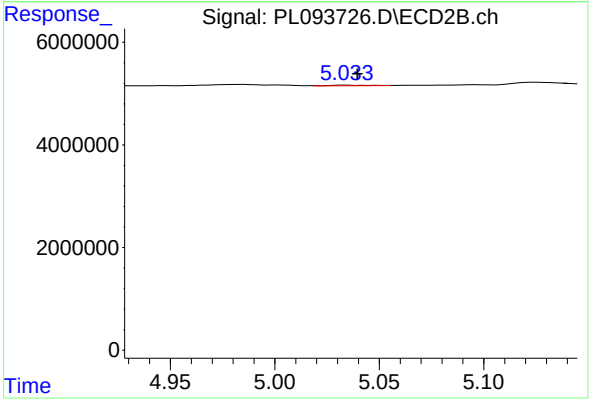
#10 gamma-Chlordane

R.T.: 4.984 min
Delta R.T.: 0.007 min
Response: 751320
Conc: 0.18 ng/ml



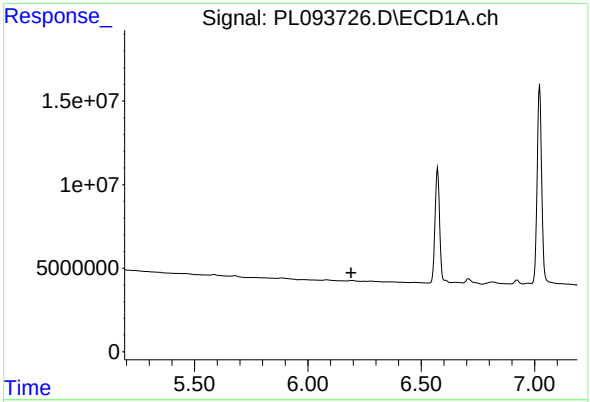
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T. : 6.017 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

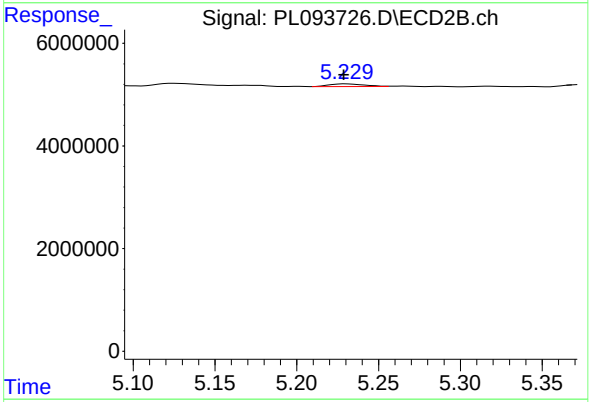
R.T.: 5.034 min
Delta R.T.: -0.005 min
Response: 155684
Conc: 0.04 ng/ml



#12 4,4'-DDE

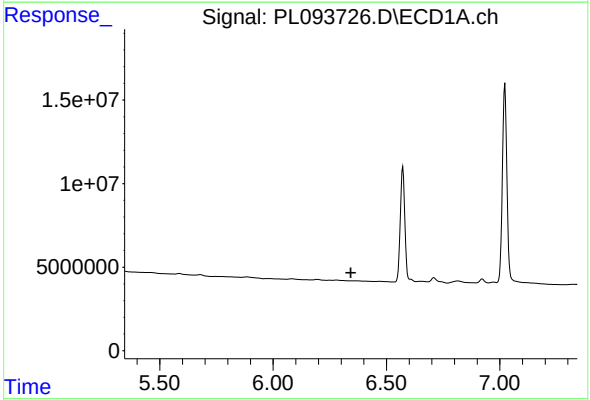
R.T.: 0.000 min
Exp R.T. : 6.191 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



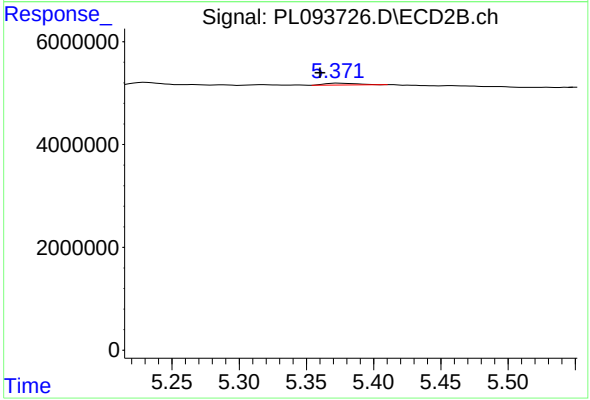
#12 4,4'-DDE

R.T.: 5.230 min
Delta R.T.: 0.002 min
Response: 775354
Conc: 0.19 ng/ml



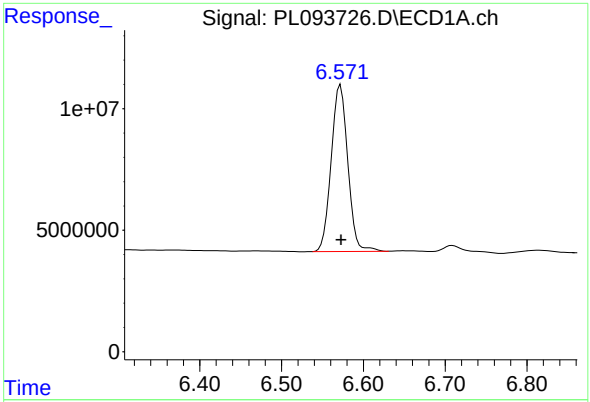
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.343 min
Response: 0
Conc: N.D.



#13 Dieldrin

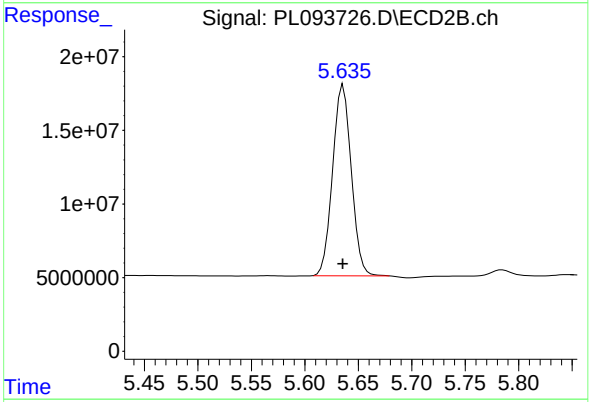
R.T.: 5.373 min
Delta R.T.: 0.013 min
Response: 563362
Conc: 0.13 ng/ml



#14 Endrin

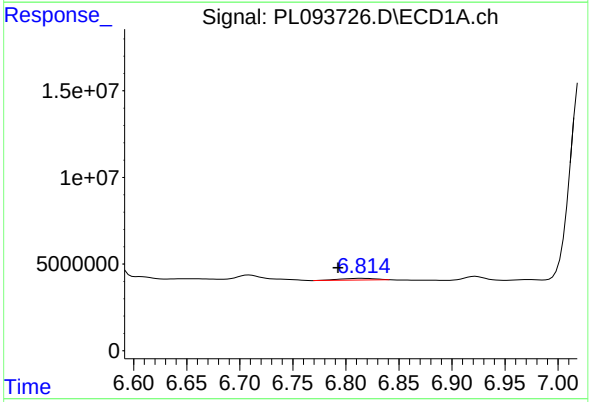
R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 96765137
Conc: 41.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



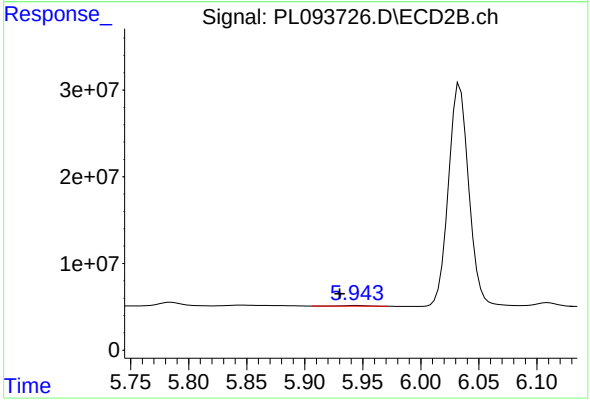
#14 Endrin

R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 157695792
Conc: 42.70 ng/ml



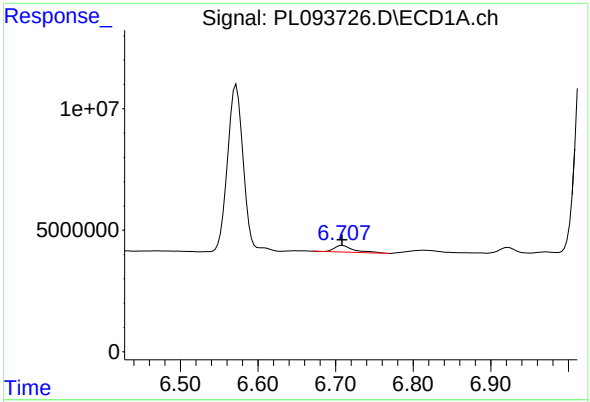
#15 Endosulfan II

R.T.: 6.815 min
Delta R.T.: 0.023 min
Response: 2199409
Conc: 0.91 ng/ml



#15 Endosulfan II

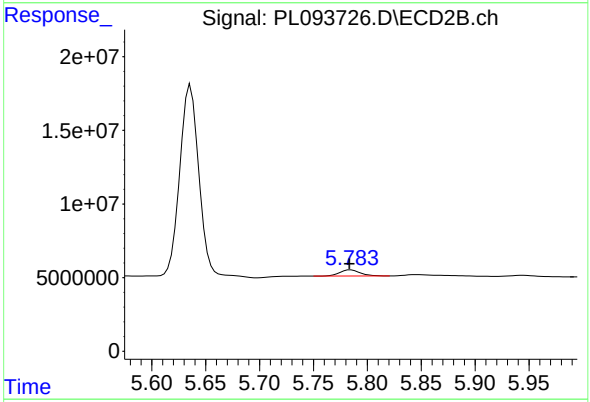
R.T.: 5.944 min
Delta R.T.: 0.014 min
Response: 1088029
Conc: 0.29 ng/ml



#16 4,4'-DDD

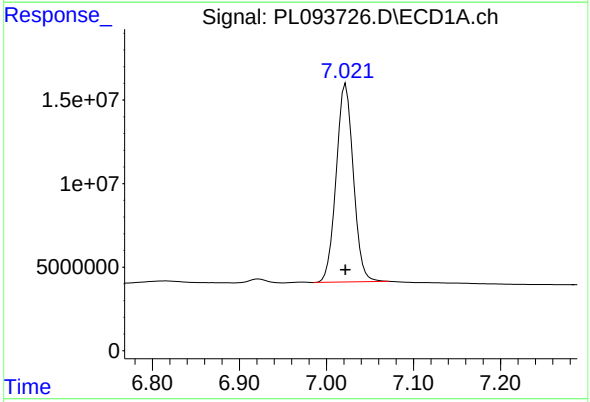
R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 4693579
Conc: 2.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



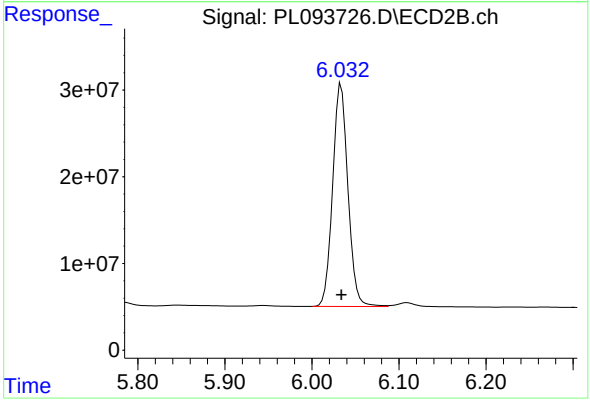
#16 4,4'-DDD

R.T.: 5.785 min
Delta R.T.: 0.001 min
Response: 5600389
Conc: 1.77 ng/ml



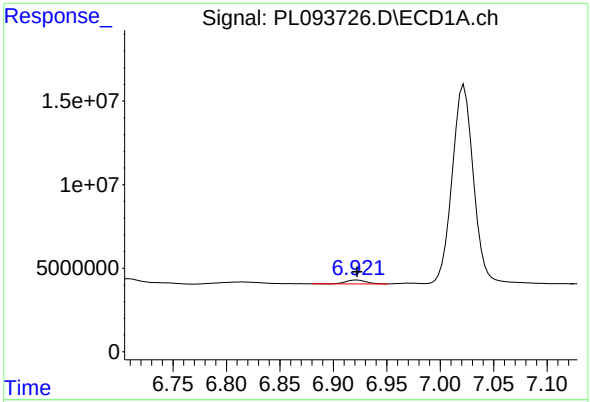
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 162509370
Conc: 82.41 ng/ml



#17 4,4'-DDT

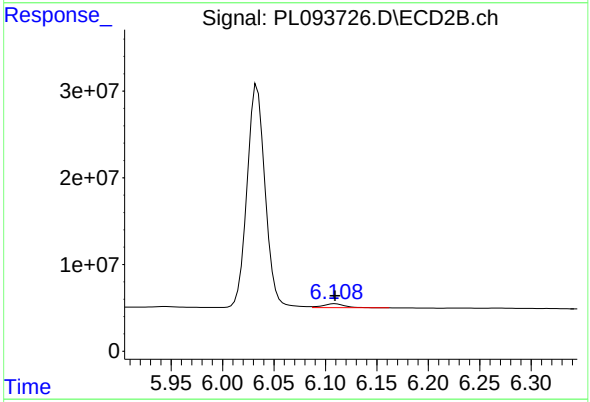
R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 314041690
Conc: 96.51 ng/ml



#18 Endrin aldehyde

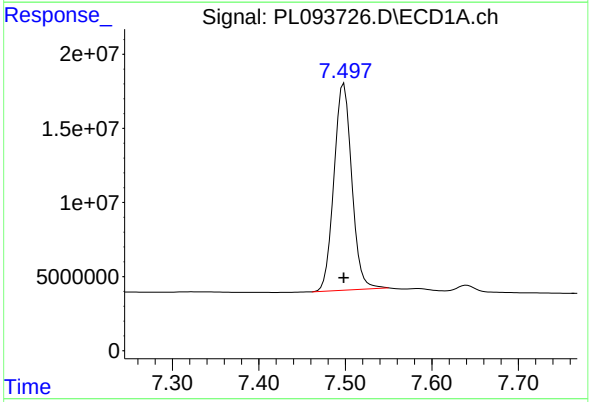
R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 2964016
Conc: 1.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



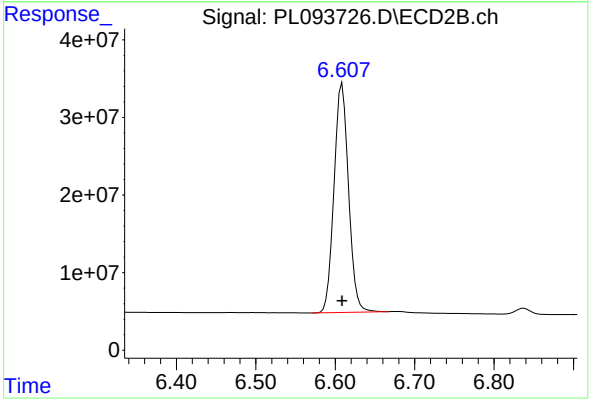
#18 Endrin aldehyde

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 6776503
Conc: 2.23 ng/ml



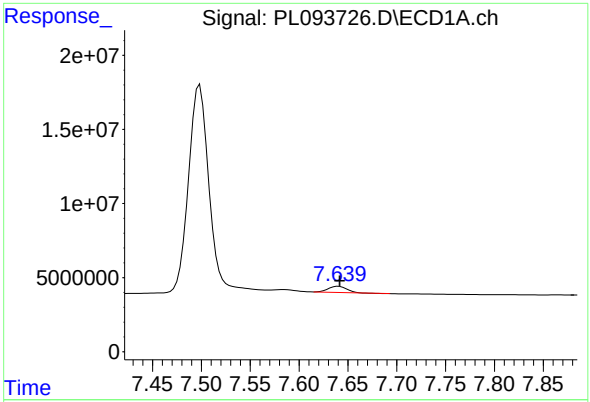
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 198641245
Conc: 190.38 ng/ml



#20 Methoxychlor

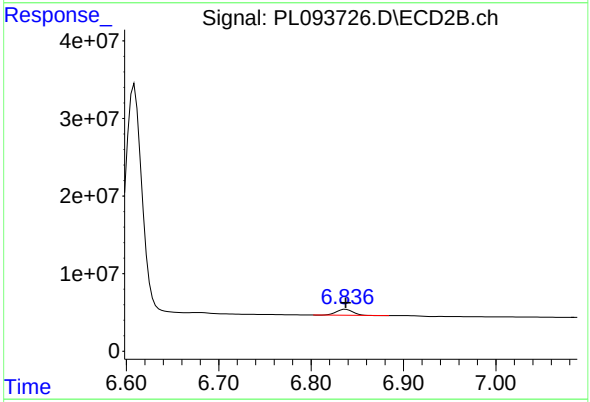
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 375396697
Conc: 209.94 ng/ml



#21 Endrin ketone

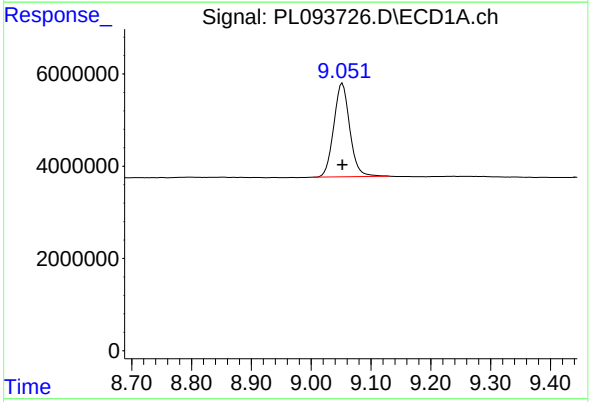
R.T.: 7.640 min
Delta R.T.: -0.001 min
Response: 5274952
Conc: 2.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



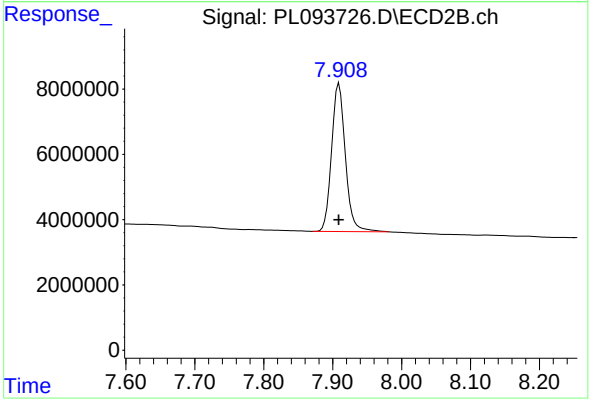
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 9599279
Conc: 2.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 37808316
Conc: 18.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 62882920
Conc: 17.95 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094256.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 11:39
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:10:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.772	51607884	64020293	19.165	19.613	
28)	SA Decachlor...	9.049	7.904	41276295	72473467	19.731	20.683	
	Target Compounds							
2)	A alpha-BHC	3.993	3.273	38890686	46113361	10.144	9.432	
3)	MA gamma-BHC...	4.325	3.603	36529552	43443921	9.919	9.163	
5)	MB Aldrin	0.000	4.237	0	171227	N.D.	0.038	#
6)	B beta-BHC	4.523	3.904	16598250	20994292	10.327	10.511	
7)	B delta-BHC	0.000	4.131	0	269647	N.D.	0.057	#
8)	B Heptachlo...	0.000	4.728	0	139711	N.D.	0.033	#
9)	A Endosulfan I	0.000	5.090	0	139166	N.D.	0.036	#
10)	B gamma-Chl...	0.000	4.979	0	888592	N.D.	0.210	#
11)	B alpha-Chl...	0.000	5.013f	0	166638	N.D.	0.040	#
12)	B 4,4'-DDE	0.000	5.228	0	851552	N.D.	0.212	#
13)	MA Dieldrin	0.000	5.373	0	101714	N.D.	0.024	#
14)	MA Endrin	6.570	5.632	110.1E6	184.5E6	46.944	49.956	
15)	B Endosulfa...	0.000	5.941	0	1255794	N.D.	0.339	#
16)	A 4,4'-DDD	0.000	5.782	0	3119383	N.D.	0.988	#
17)	MA 4,4'-DDT	7.020	6.030	183.5E6	370.5E6	93.060	113.873	
18)	B Endrin al...	6.920	6.106	2730868	6550770	1.405	2.152	#
20)	A Methoxychlor	7.497	6.605	220.0E6	444.0E6	210.883	248.301	
21)	B Endrin ke...	7.639	6.834	4728201	8405201	1.874	2.004	
22)	Mirex	0.000	7.042f	0	408308	N.D.	0.121	#
23)	Chlordane-1	0.000	3.764	0	8554	N.D.	0.069	#
24)	Chlordane-2	0.000	4.357	0	67291	N.D.	0.459	#
25)	Chlordane-3	0.000	4.979	0	888592	N.D.	2.044	#
26)	Chlordane-4	0.000	5.013f	0	166638	N.D.	0.393	#
27)	Chlordane-5	0.000	5.941	0	1255794	N.D.	8.199	#

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

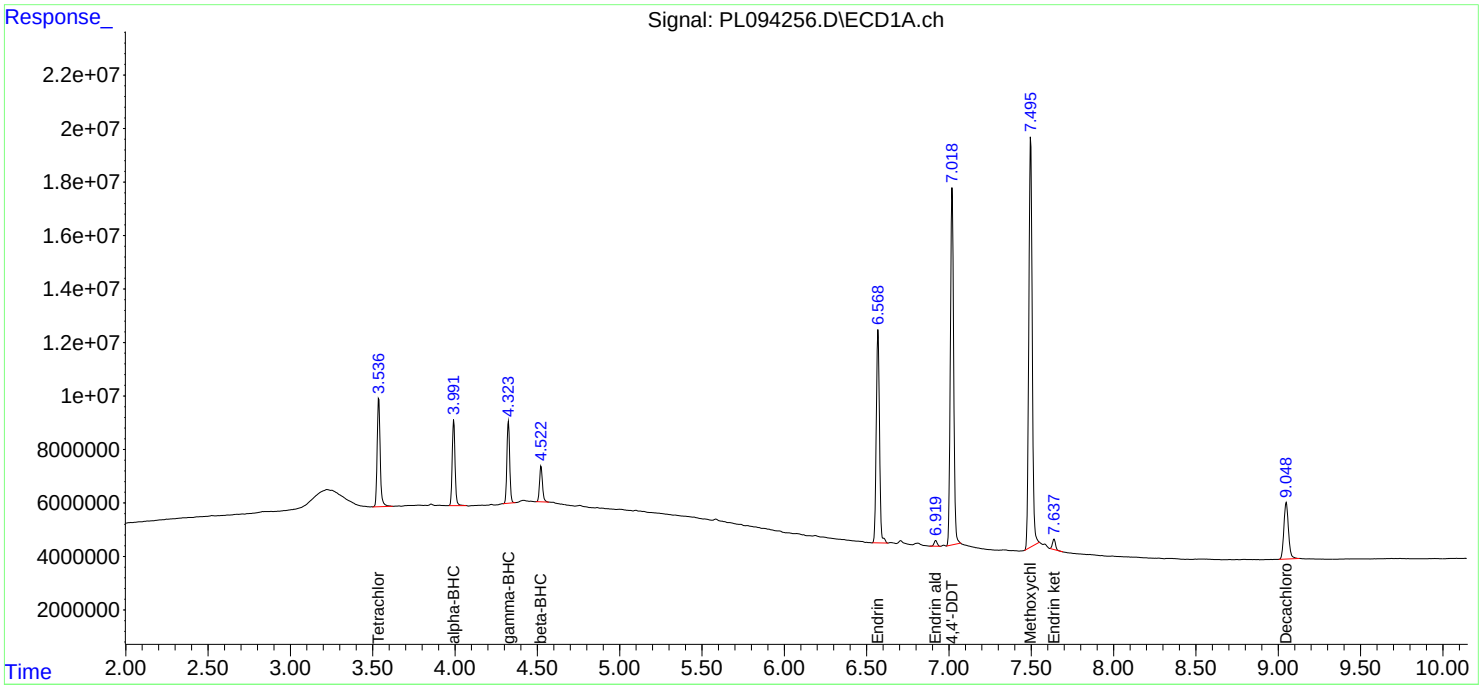
Quantitation Report (Not Reviewed)

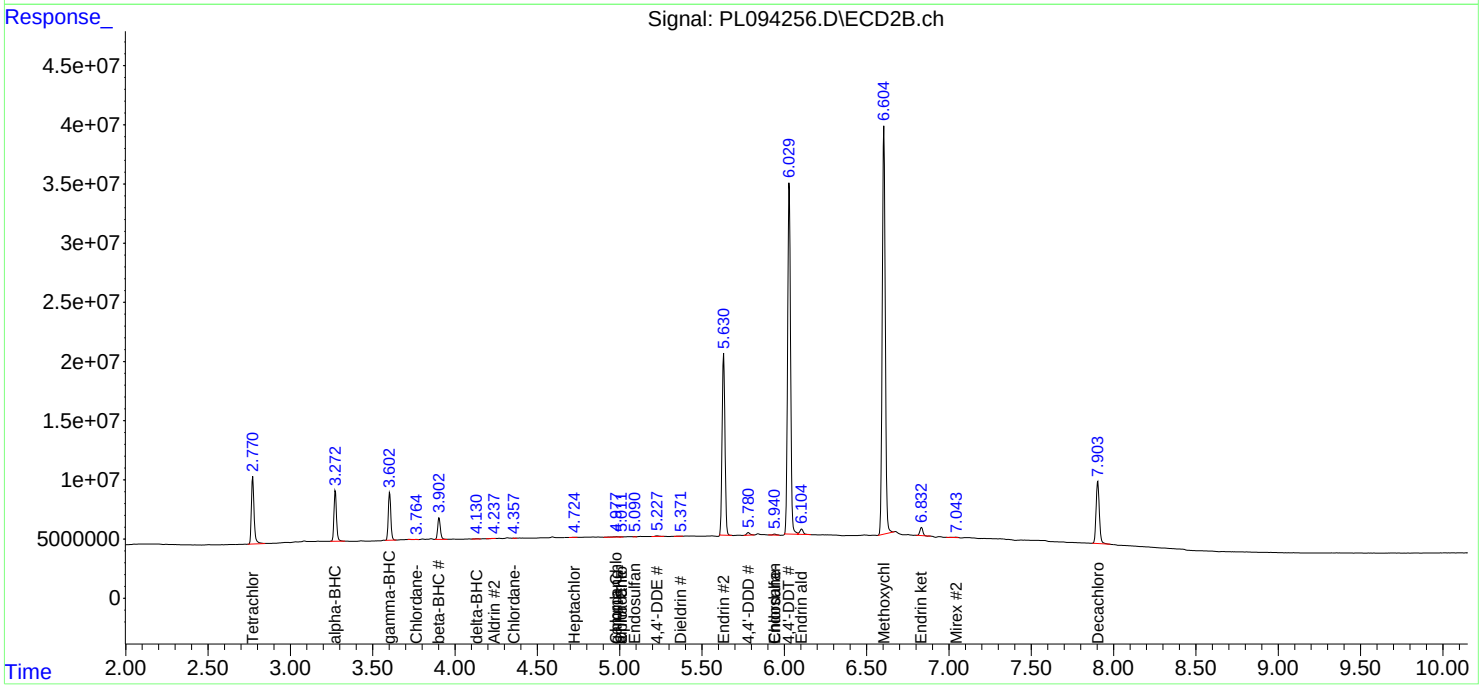
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094256.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 11:39
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

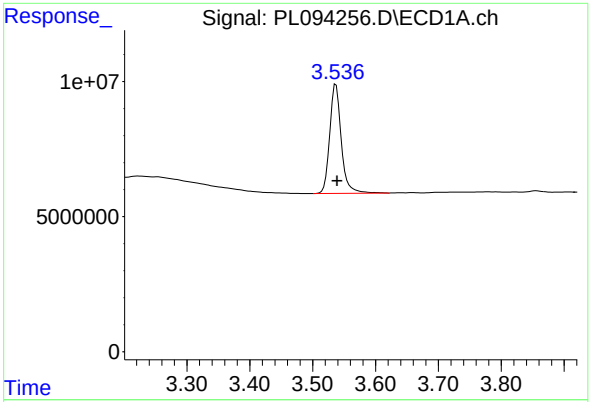
Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:10:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



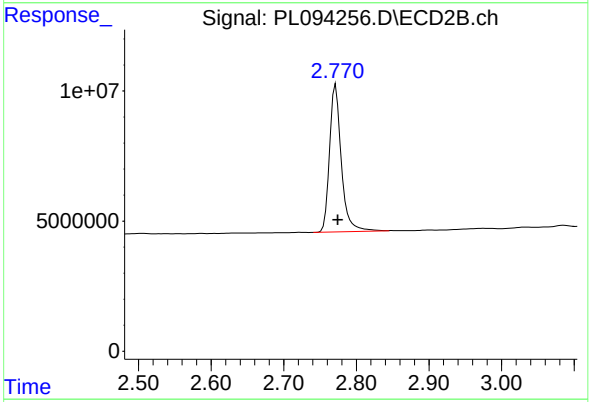




#1 Tetrachloro-m-xylene

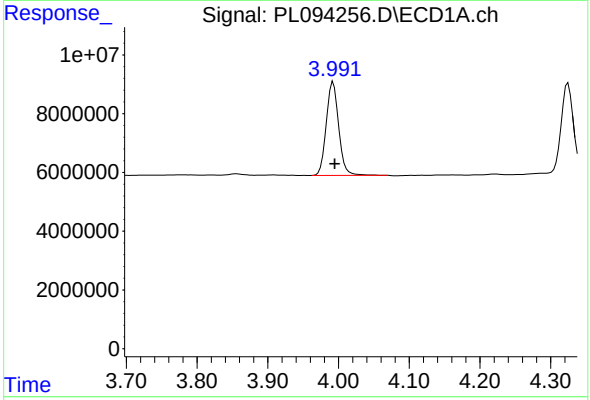
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 51607884
Conc: 19.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



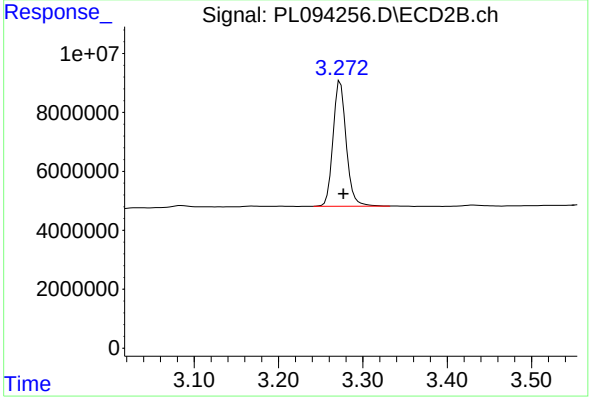
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 64020293
Conc: 19.61 ng/ml



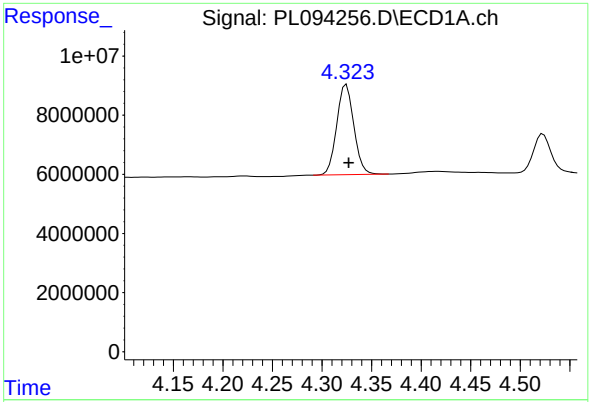
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.002 min
Response: 38890686
Conc: 10.14 ng/ml



#2 alpha-BHC

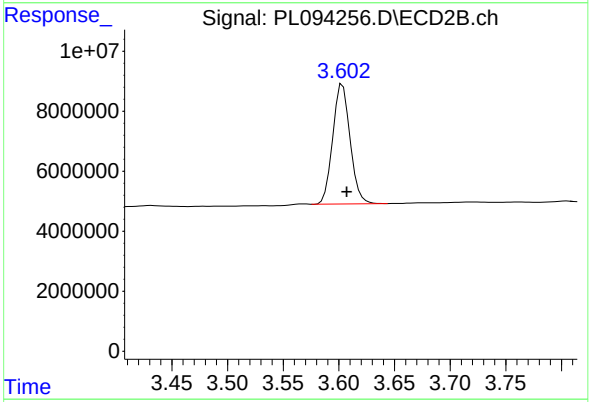
R.T.: 3.273 min
Delta R.T.: -0.004 min
Response: 46113361
Conc: 9.43 ng/ml



#3 gamma-BHC (Lindane)

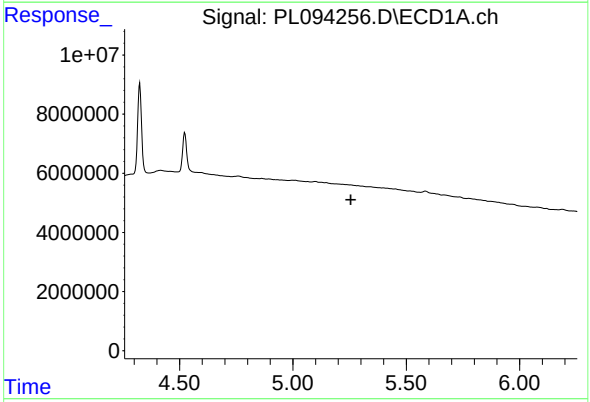
R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 36529552
Conc: 9.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



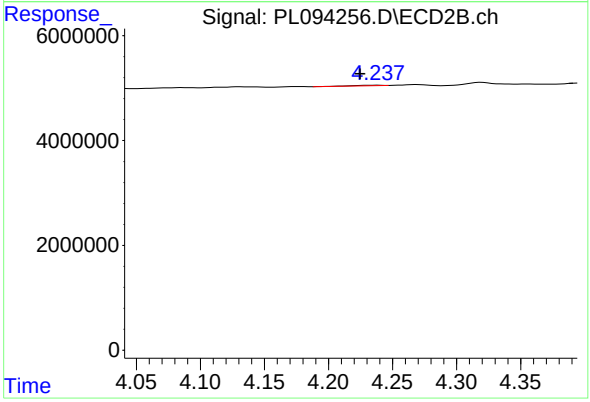
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.004 min
Response: 43443921
Conc: 9.16 ng/ml



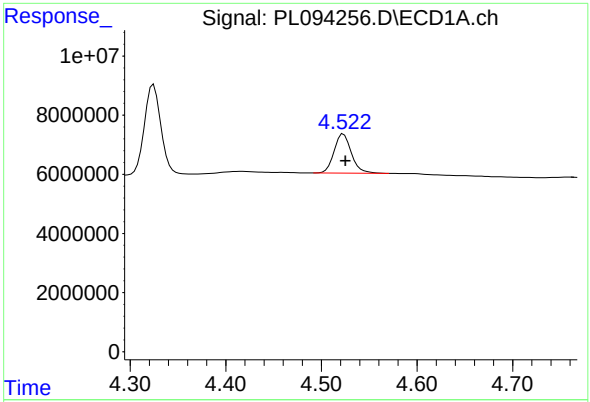
#5 Aldrin

R.T.: 0.000 min
Exp R.T. : 5.256 min
Response: 0
Conc: N.D.



#5 Aldrin

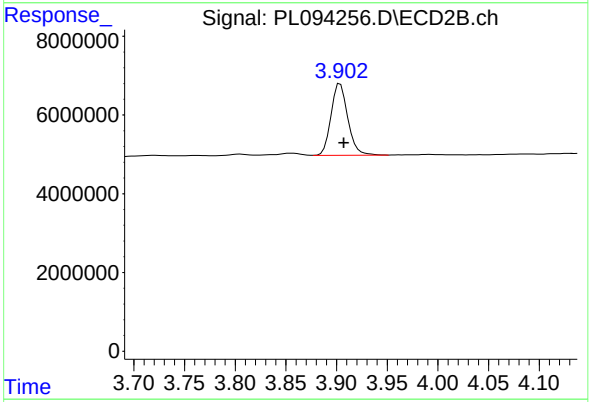
R.T.: 4.237 min
Delta R.T.: 0.012 min
Response: 171227
Conc: 0.04 ng/ml



#6 beta-BHC

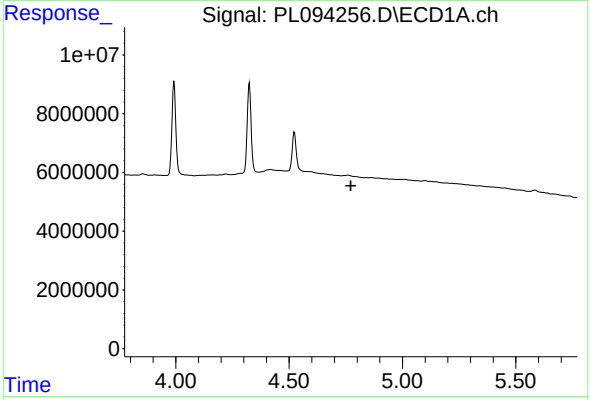
R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 16598250
Conc: 10.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



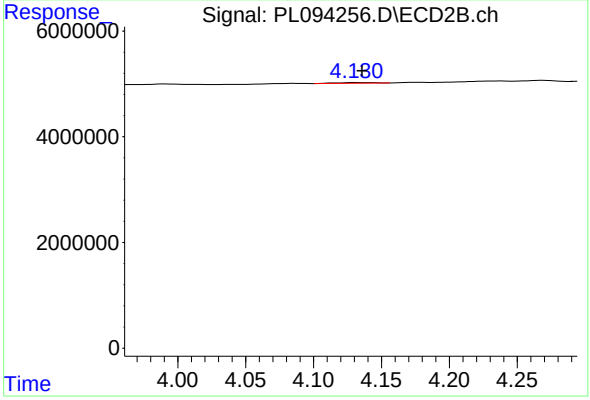
#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 20994292
Conc: 10.51 ng/ml



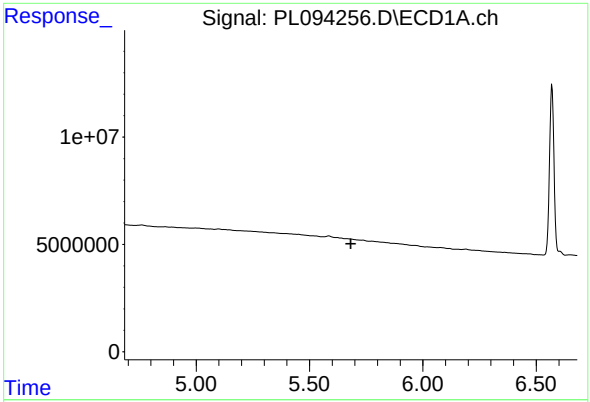
#7 delta-BHC

R.T.: 0.000 min
Exp R.T. : 4.772 min
Response: 0
Conc: N.D.



#7 delta-BHC

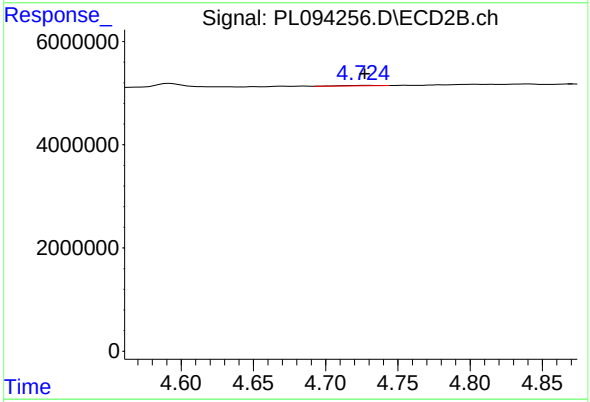
R.T.: 4.131 min
Delta R.T.: -0.005 min
Response: 269647
Conc: 0.06 ng/ml



#8 Heptachlor epoxide

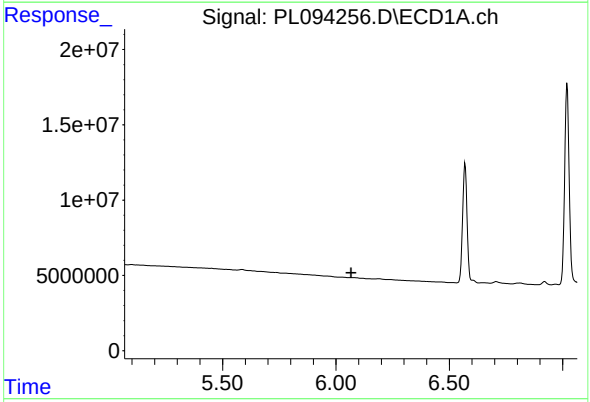
R.T.: 0.000 min
Exp R.T. : 5.682 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



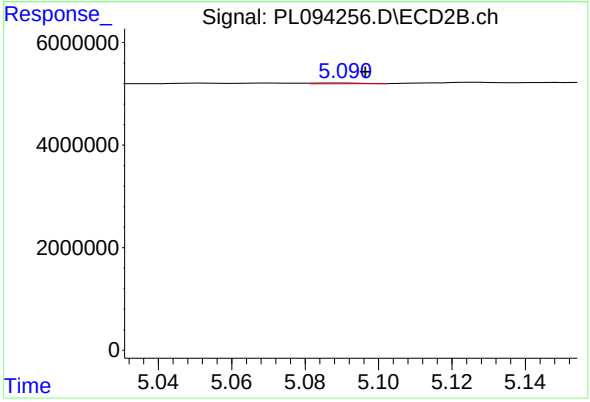
#8 Heptachlor epoxide

R.T.: 4.728 min
Delta R.T.: 0.001 min
Response: 139711
Conc: 0.03 ng/ml



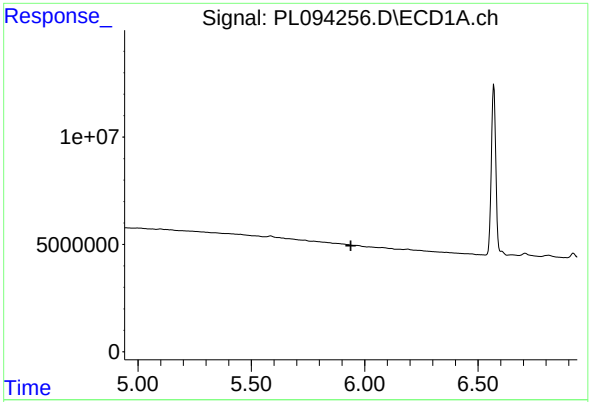
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T. : 6.067 min
Response: 0
Conc: N.D.



#9 Endosulfan I

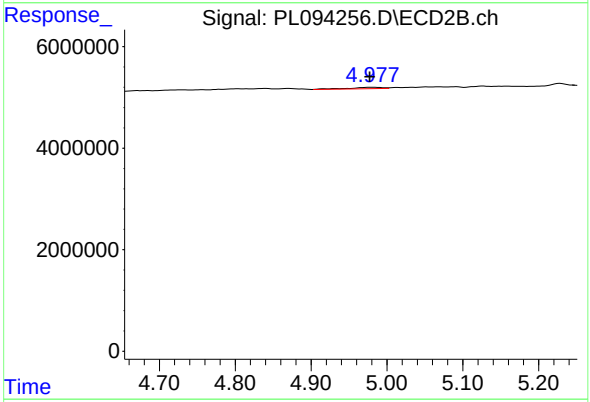
R.T.: 5.090 min
Delta R.T.: -0.006 min
Response: 139166
Conc: 0.04 ng/ml



#10 gamma-Chlordane

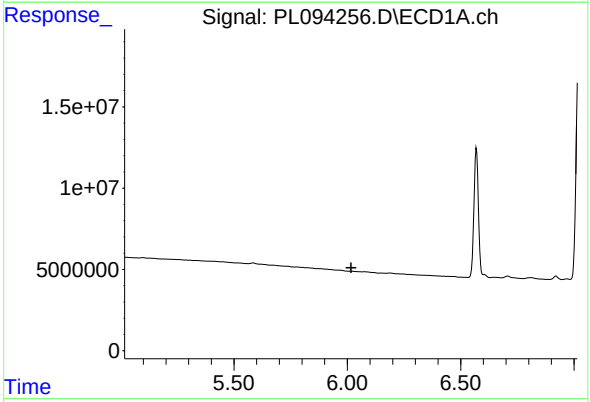
R.T.: 0.000 min
Exp R.T. : 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



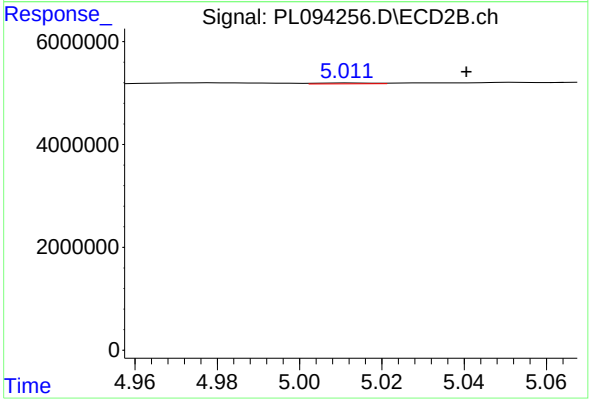
#10 gamma-Chlordane

R.T.: 4.979 min
Delta R.T.: 0.002 min
Response: 888592
Conc: 0.21 ng/ml



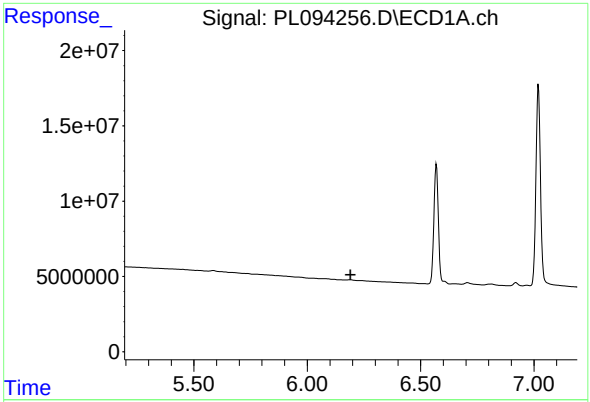
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T. : 6.017 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

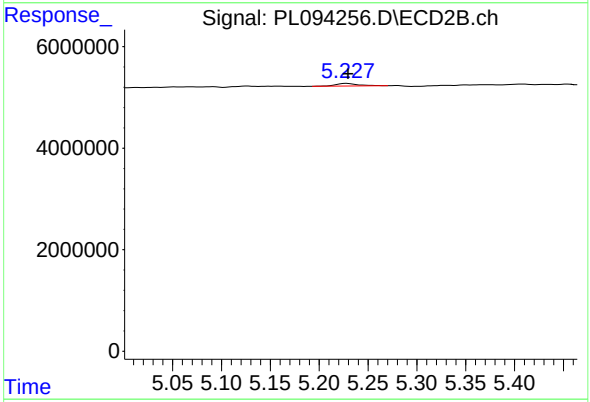
R.T.: 5.013 min
Delta R.T.: -0.027 min
Response: 166638
Conc: 0.04 ng/ml



#12 4,4'-DDE

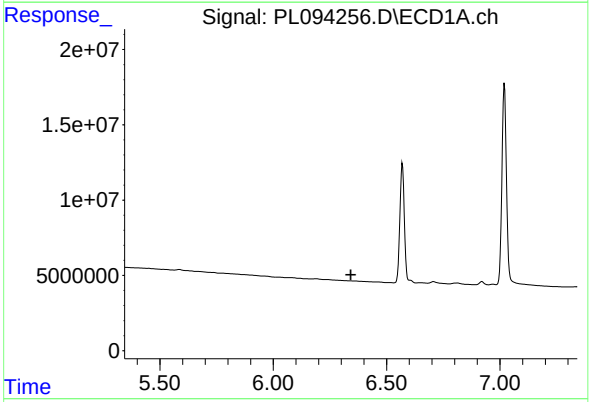
R.T.: 0.000 min
Exp R.T. : 6.191 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



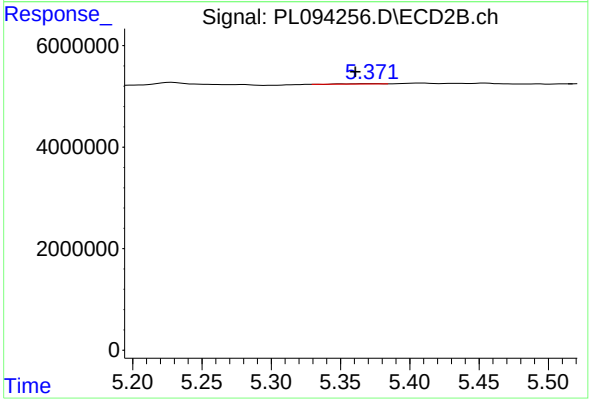
#12 4,4'-DDE

R.T.: 5.228 min
Delta R.T.: -0.001 min
Response: 851552
Conc: 0.21 ng/ml



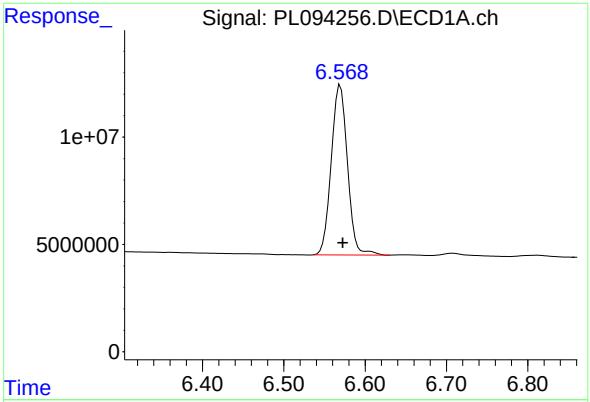
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.343 min
Response: 0
Conc: N.D.



#13 Dieldrin

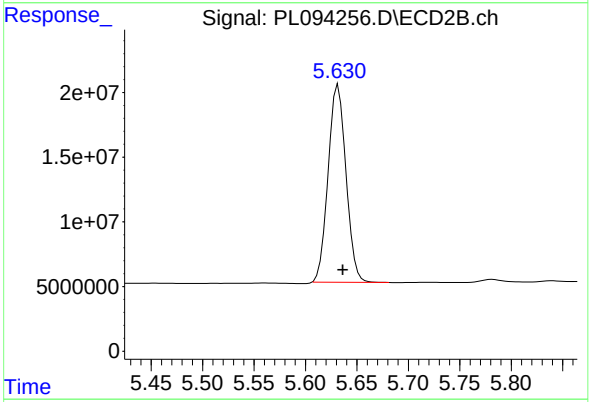
R.T.: 5.373 min
Delta R.T.: 0.012 min
Response: 101714
Conc: 0.02 ng/ml



#14 Endrin

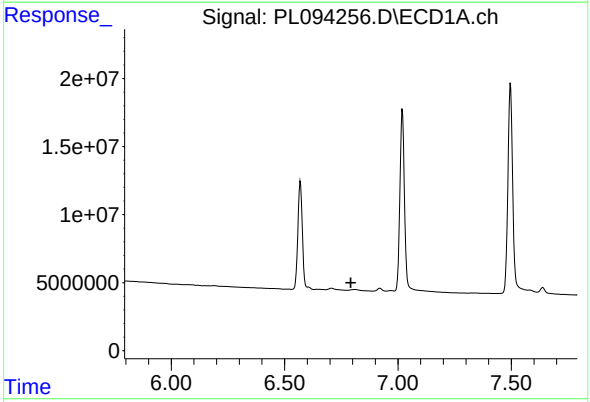
R.T.: 6.570 min
Delta R.T.: -0.003 min
Response: 110075711
Conc: 46.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



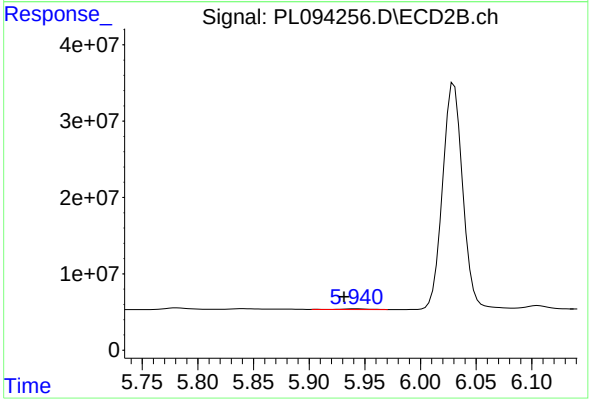
#14 Endrin

R.T.: 5.632 min
Delta R.T.: -0.005 min
Response: 184472358
Conc: 49.96 ng/ml



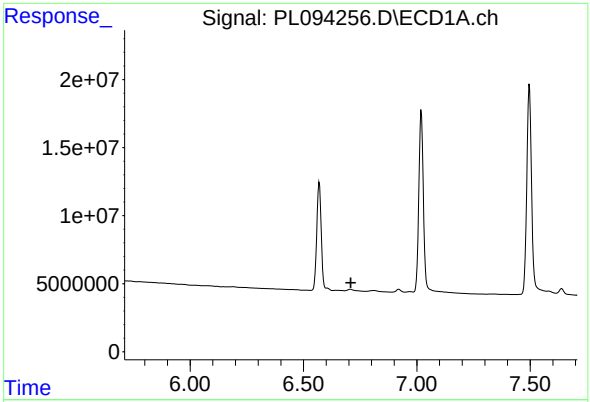
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.792 min
Response: 0
Conc: N.D.



#15 Endosulfan II

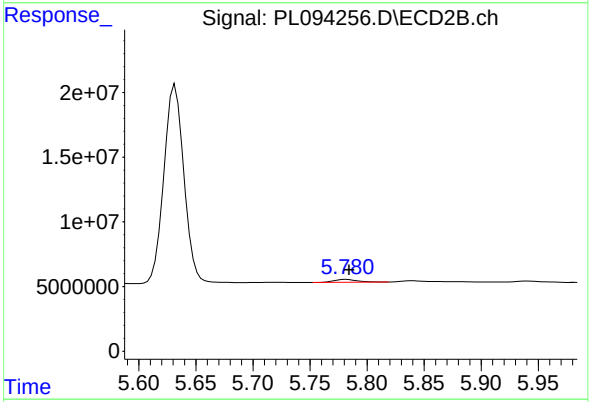
R.T.: 5.941 min
Delta R.T.: 0.010 min
Response: 1255794
Conc: 0.34 ng/ml



#16 4,4'-DDD

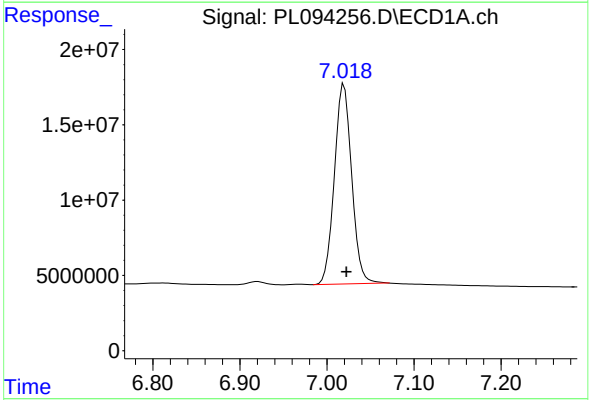
R.T.: 0.000 min
Exp R.T. : 6.708 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



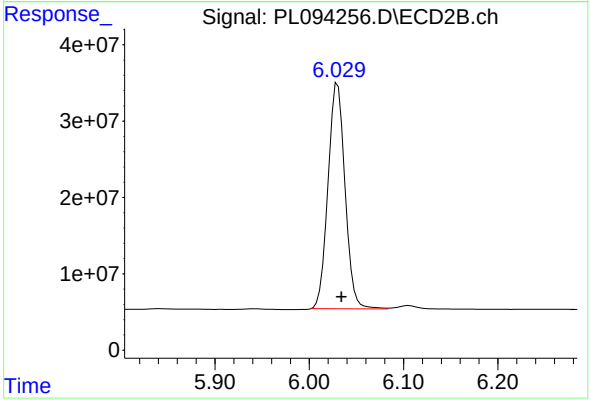
#16 4,4'-DDD

R.T.: 5.782 min
Delta R.T.: -0.002 min
Response: 3119383
Conc: 0.99 ng/ml



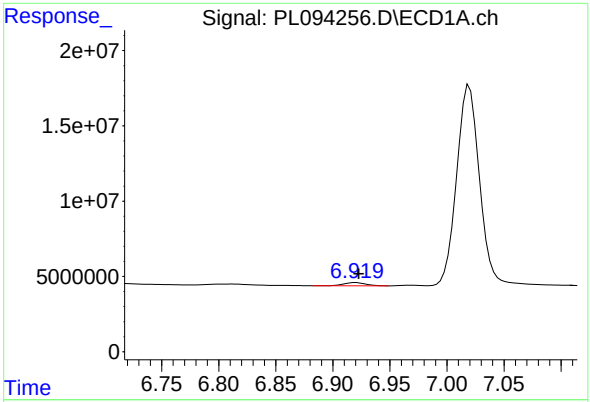
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 183519966
Conc: 93.06 ng/ml



#17 4,4'-DDT

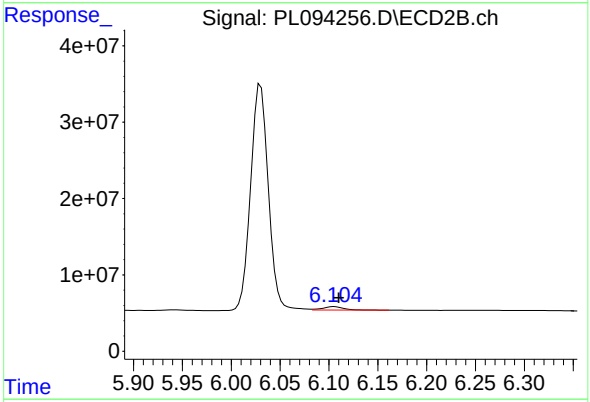
R.T.: 6.030 min
Delta R.T.: -0.004 min
Response: 370548975
Conc: 113.87 ng/ml



#18 Endrin aldehyde

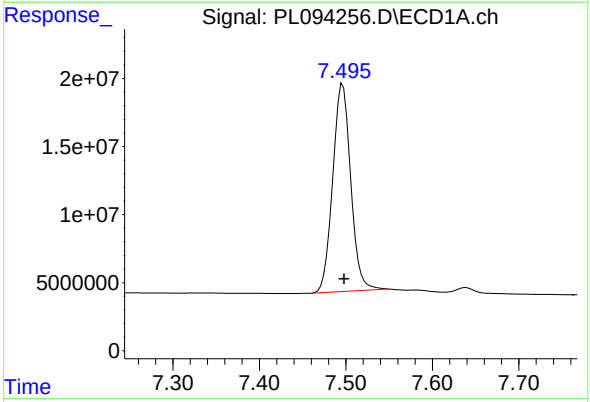
R.T.: 6.920 min
Delta R.T.: -0.003 min
Response: 2730868
Conc: 1.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



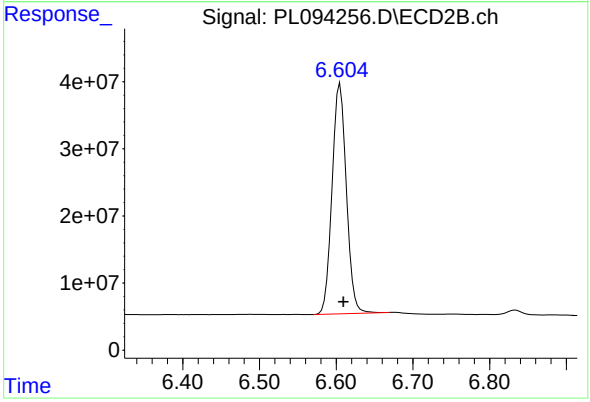
#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: -0.005 min
Response: 6550770
Conc: 2.15 ng/ml



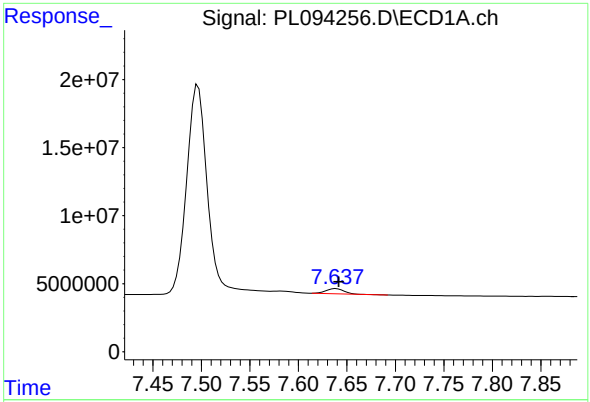
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.001 min
Response: 220034925
Conc: 210.88 ng/ml



#20 Methoxychlor

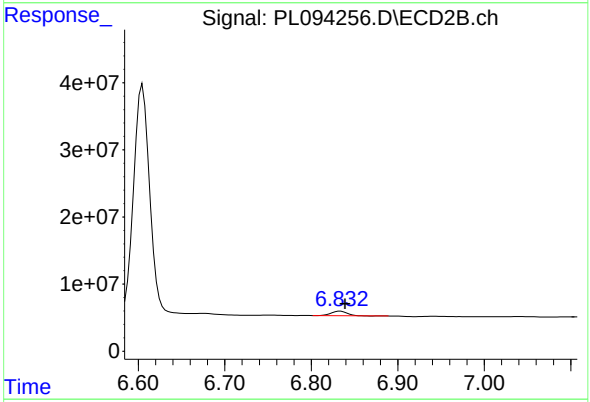
R.T.: 6.605 min
Delta R.T.: -0.004 min
Response: 443996355
Conc: 248.30 ng/ml



#21 Endrin ketone

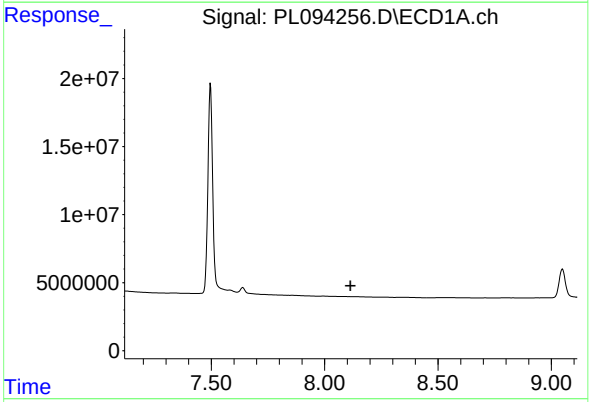
R.T.: 7.639 min
Delta R.T.: -0.003 min
Response: 4728201
Conc: 1.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



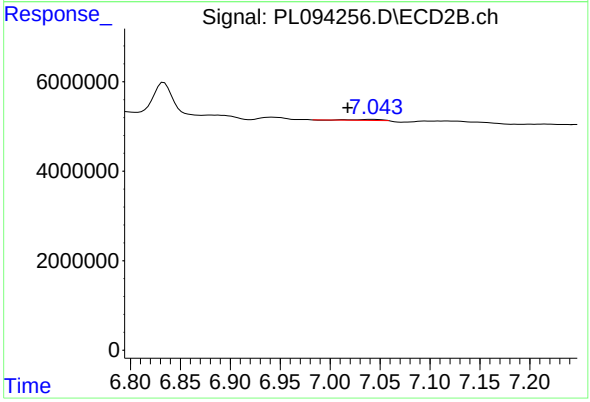
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: -0.005 min
Response: 8405201
Conc: 2.00 ng/ml



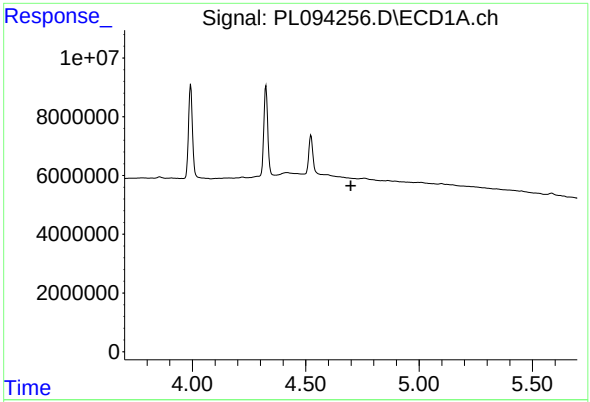
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.



#22 Mirex

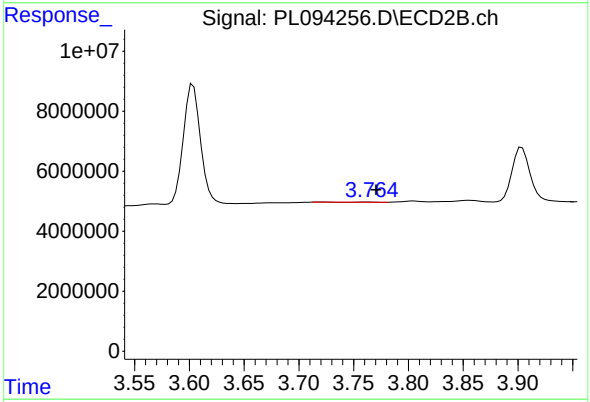
R.T.: 7.042 min
Delta R.T.: 0.024 min
Response: 408308
Conc: 0.12 ng/ml



#23 Chlordane-1

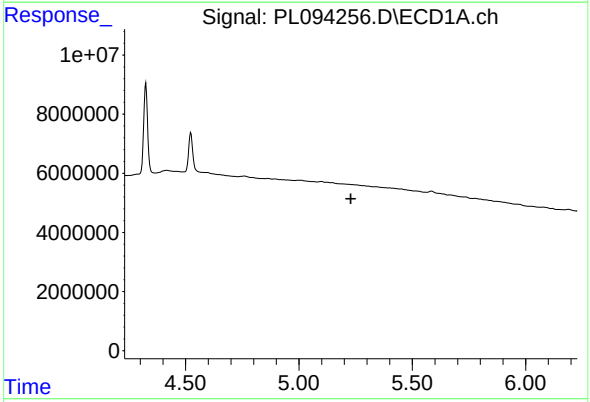
R.T.: 0.000 min
Exp R.T. : 4.700 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



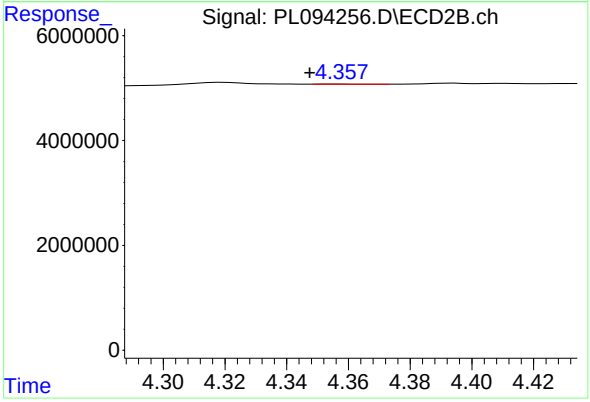
#23 Chlordane-1

R.T.: 3.764 min
Delta R.T.: -0.007 min
Response: 8554
Conc: 0.07 ng/ml



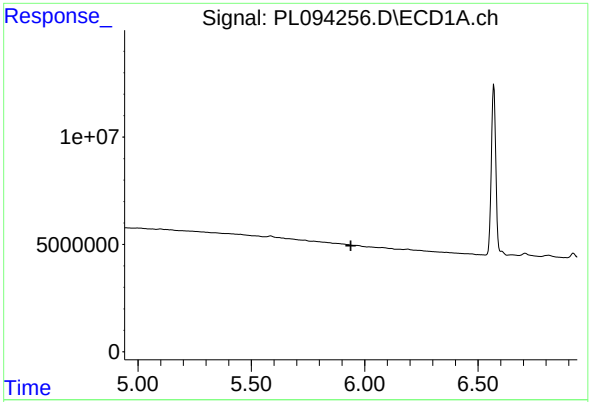
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 5.229 min
Response: 0
Conc: N.D.



#24 Chlordane-2

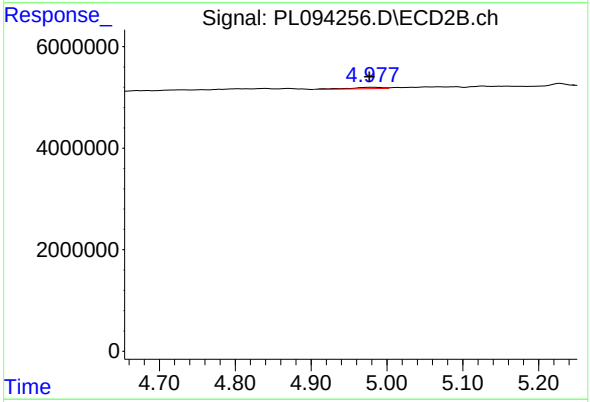
R.T.: 4.357 min
Delta R.T.: 0.010 min
Response: 67291
Conc: 0.46 ng/ml



#25 Chlordane-3

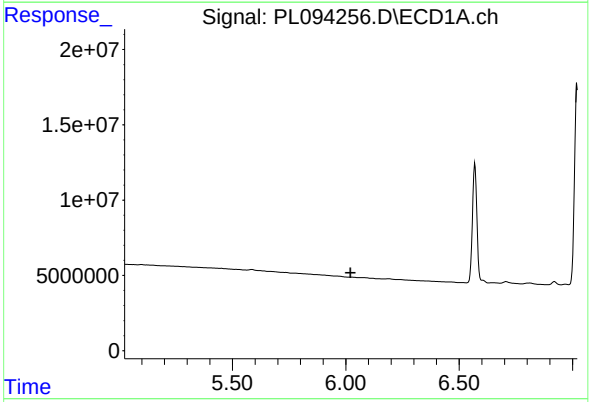
R.T.: 0.000 min
Exp R.T. : 5.939 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



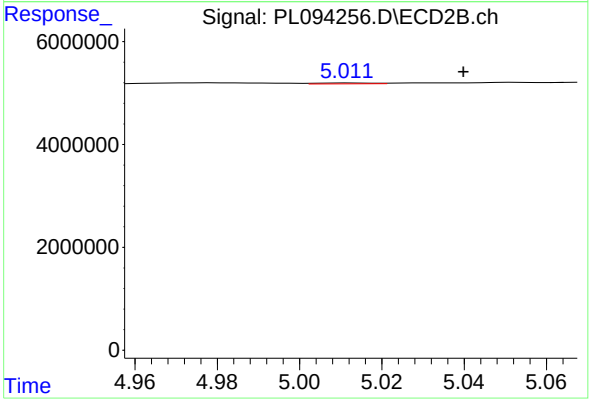
#25 Chlordane-3

R.T.: 4.979 min
Delta R.T.: 0.002 min
Response: 888592
Conc: 2.04 ng/ml



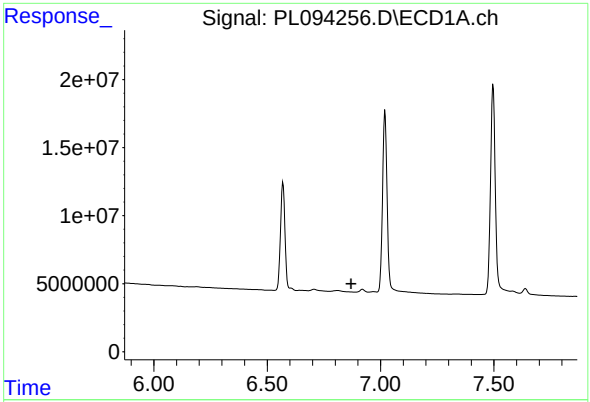
#26 Chlordane-4

R.T.: 0.000 min
Exp R.T. : 6.021 min
Response: 0
Conc: N.D.



#26 Chlordane-4

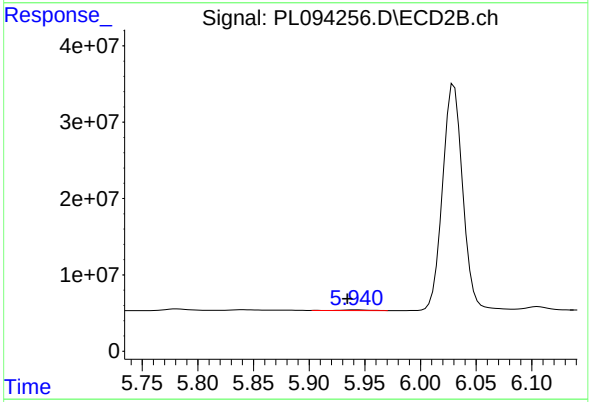
R.T.: 5.013 min
Delta R.T.: -0.027 min
Response: 166638
Conc: 0.39 ng/ml



#27 Chlordane-5

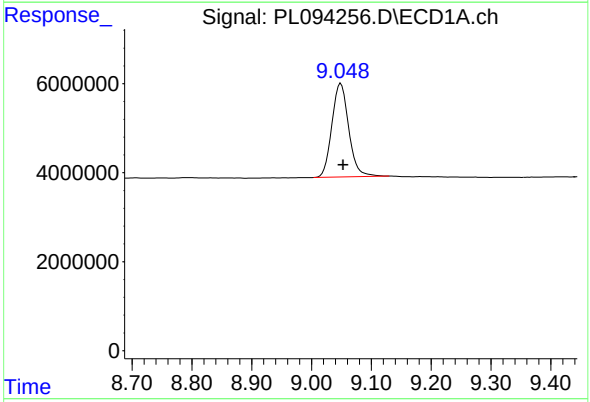
R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



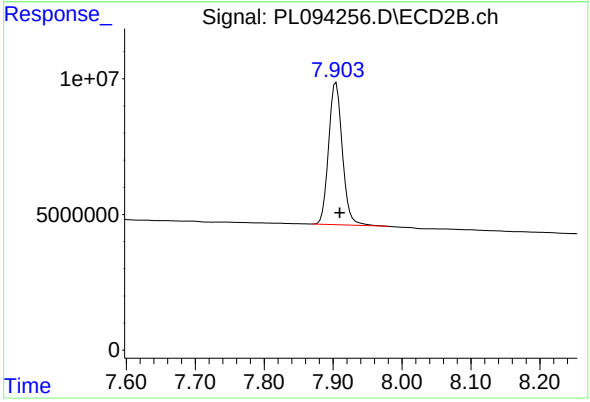
#27 Chlordane-5

R.T.: 5.941 min
Delta R.T.: 0.007 min
Response: 1255794
Conc: 8.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.004 min
Response: 41276295
Conc: 19.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.005 min
Response: 72473467
Conc: 20.68 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094271.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 17:47
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:14:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.771	126.9E6	163.9E6	47.143	50.221	
28)	SA Decachlor...	9.049	7.905	103.4E6	193.6E6	49.420	55.252	
	Target Compounds							
2)	A alpha-BHC	3.993	3.274	184.7E6	253.1E6	48.171	51.762	
3)	MA gamma-BHC...	4.325	3.603	179.9E6	246.5E6	48.862	52.001	
4)	MA Heptachlor	4.913	3.942	164.4E6	245.5E6	50.149	52.747	
5)	MB Aldrin	5.254	4.221	165.9E6	241.5E6	50.718	52.930	
6)	B beta-BHC	4.524	3.904	78052179	102.8E6	48.560	51.454	
7)	B delta-BHC	4.771	4.132	176.8E6	249.5E6	50.443	52.505	
8)	B Heptachlo...	5.681	4.723	148.1E6	221.4E6	49.790	52.952	
9)	A Endosulfan I	6.066	5.092	132.0E6	206.5E6	49.945	53.260	
10)	B gamma-Chl...	5.937	4.973	141.7E6	225.5E6	50.832	53.204	
11)	B alpha-Chl...	6.015	5.036	140.4E6	223.0E6	50.344	53.255	
12)	B 4,4'-DDE	6.190	5.225	128.8E6	217.5E6	52.912	54.235	
13)	MA Dieldrin	6.341	5.357	138.9E6	227.7E6	50.029	53.016	
14)	MA Endrin	6.571	5.632	117.3E6	197.6E6	50.027	53.506	
15)	B Endosulfa...	6.792	5.927	119.2E6	197.2E6	49.475	53.249	
16)	A 4,4'-DDD	6.707	5.780	96506849	171.3E6	50.778	54.267	
17)	MA 4,4'-DDT	7.020	6.030	102.5E6	185.5E6	51.960	57.019	
18)	B Endrin al...	6.921	6.106	95712031	161.0E6	49.233	52.865	
19)	B Endosulfa...	7.156	6.329	110.1E6	190.9E6	48.623	53.530	
20)	A Methoxychlor	7.497	6.605	55837834	100.1E6	53.515	55.990	
21)	B Endrin ke...	7.640	6.834	124.0E6	226.1E6	49.149	53.902	
22)	Mirex	8.113	7.014	101.0E6	184.3E6	48.496	54.505	
24)	Chlordane-2	5.254f	4.360	165.9E6	514023	1417.391	3.503	#
25)	Chlordane-3	5.937	4.973	141.7E6	225.5E6	361.201	518.506	#
26)	Chlordane-4	6.015	5.036	140.4E6	223.0E6	298.610	526.250	#
27)	Chlordane-5	0.000	5.927	0	197.2E6	N.D.	1287.695	#

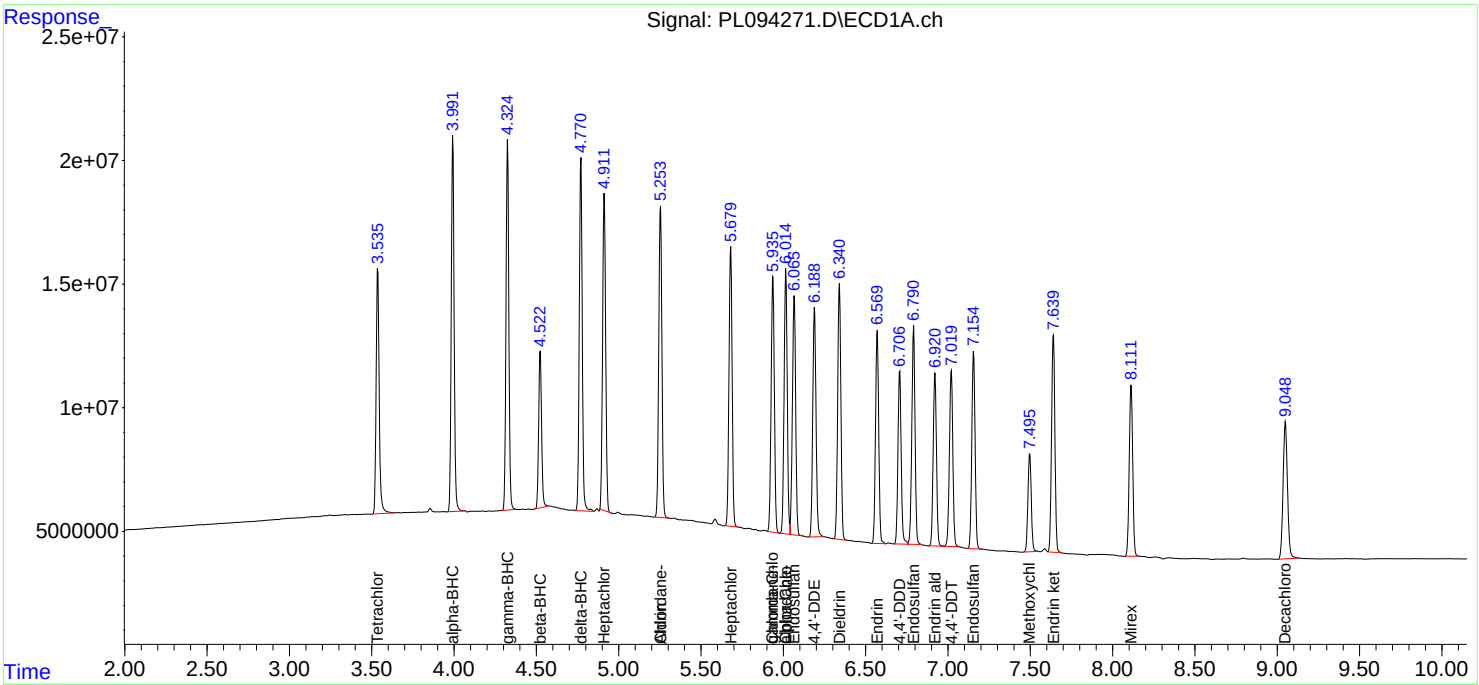
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

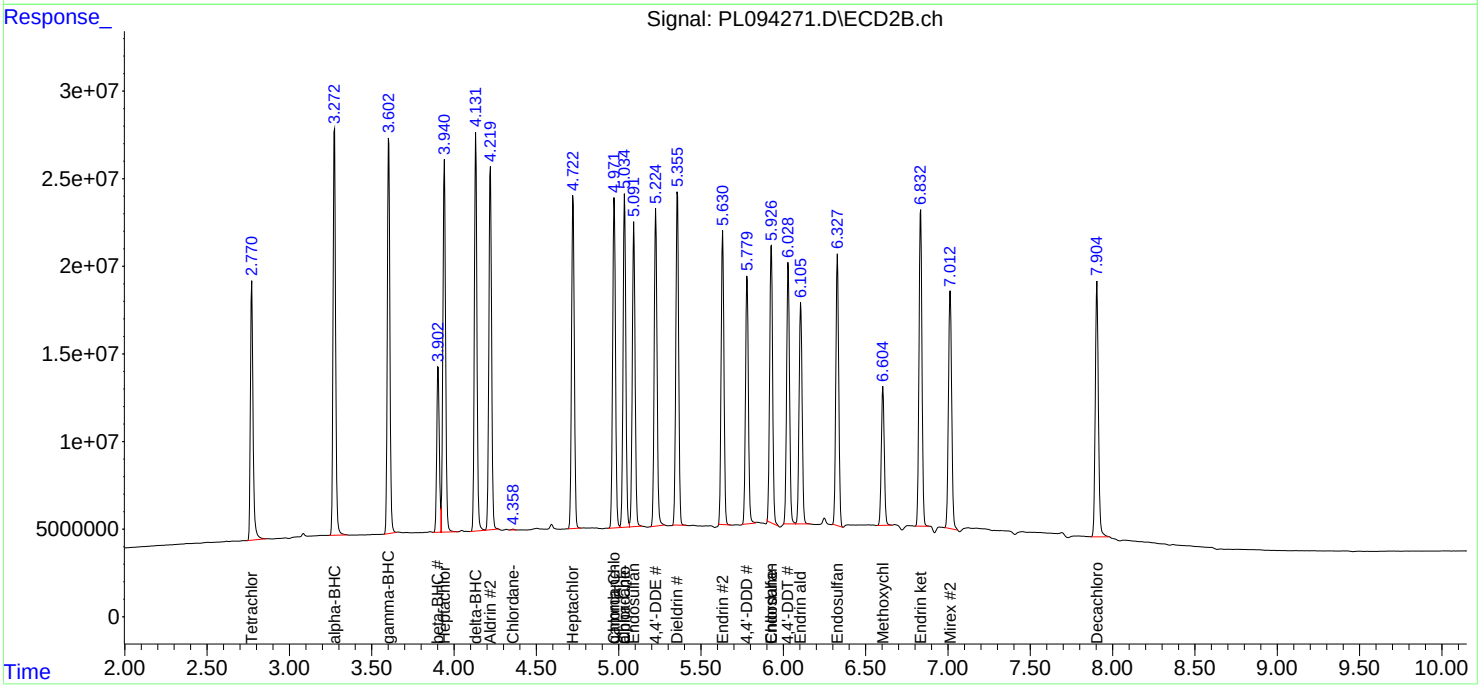
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094271.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 17:47
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

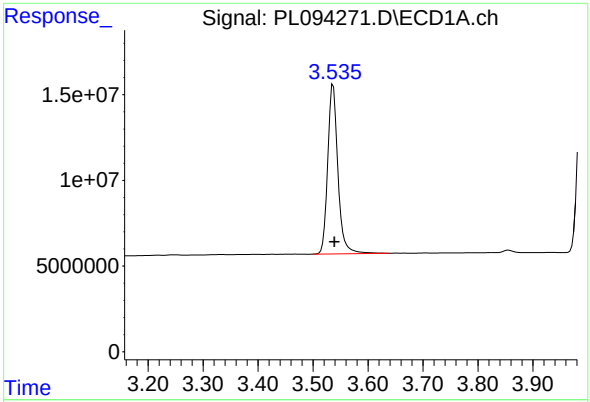
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:14:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



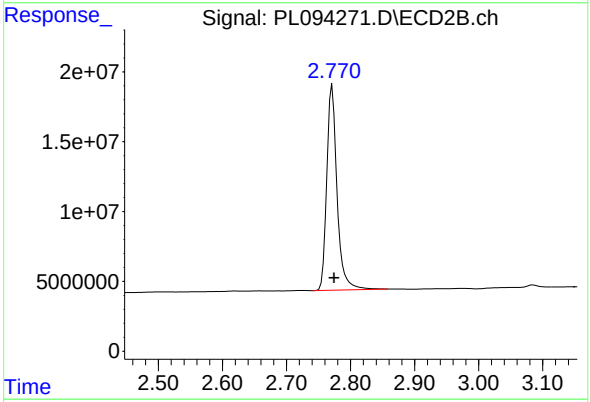




#1 Tetrachloro-m-xylene

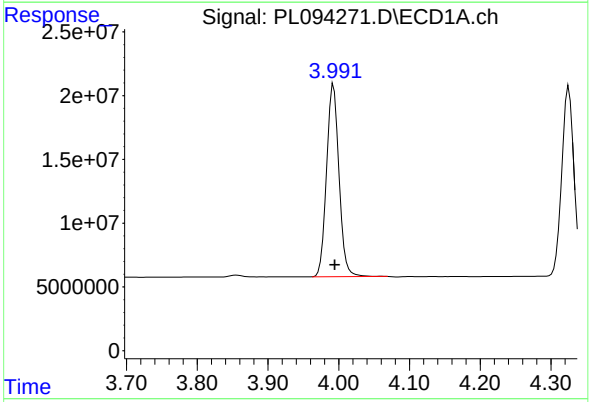
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 126945775
Conc: 47.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



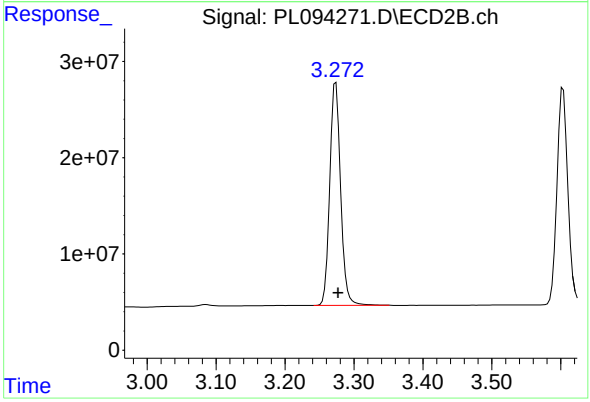
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 163929334
Conc: 50.22 ng/ml



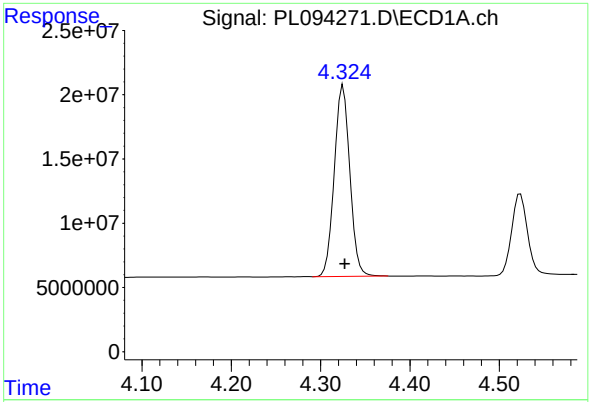
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.002 min
Response: 184680350
Conc: 48.17 ng/ml



#2 alpha-BHC

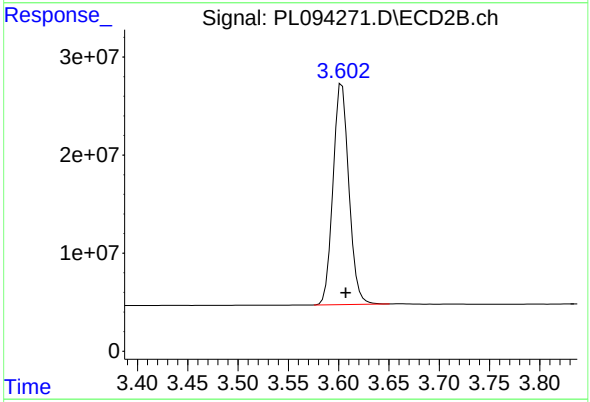
R.T.: 3.274 min
Delta R.T.: -0.003 min
Response: 253065338
Conc: 51.76 ng/ml



#3 gamma-BHC (Lindane)

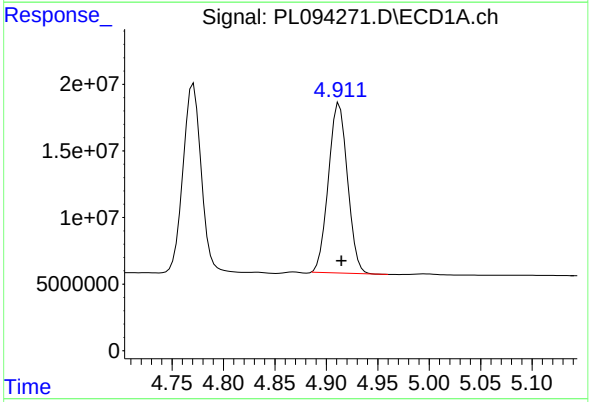
R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 179949609
Conc: 48.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



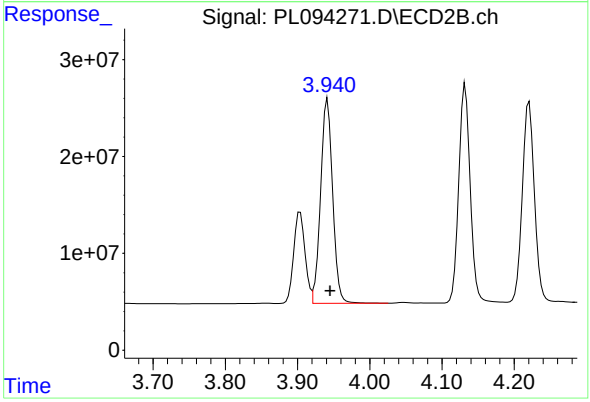
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.004 min
Response: 246547370
Conc: 52.00 ng/ml



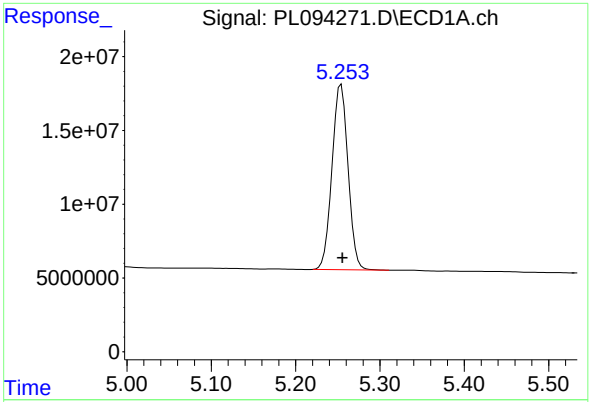
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: -0.002 min
Response: 164356977
Conc: 50.15 ng/ml



#4 Heptachlor

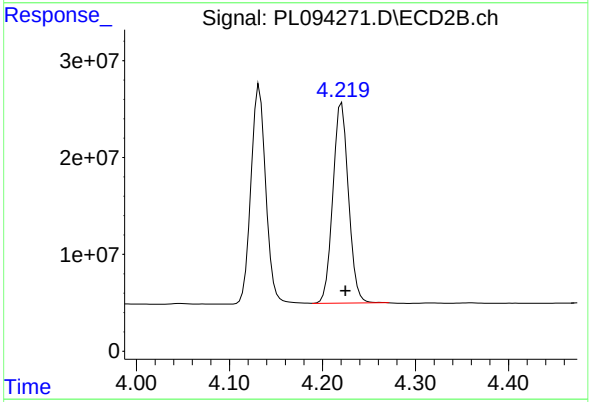
R.T.: 3.942 min
Delta R.T.: -0.004 min
Response: 245524682
Conc: 52.75 ng/ml



#5 Aldrin

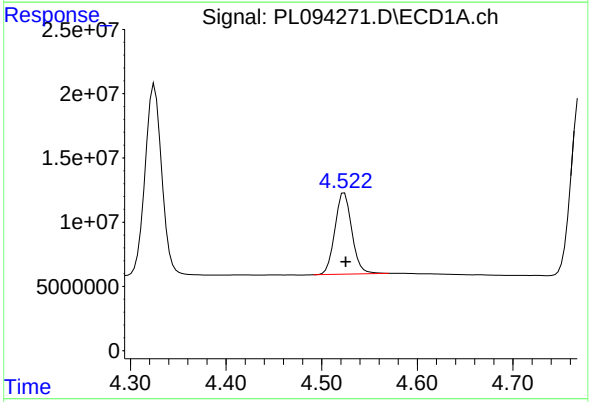
R.T.: 5.254 min
Delta R.T.: -0.002 min
Response: 165949100
Conc: 50.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



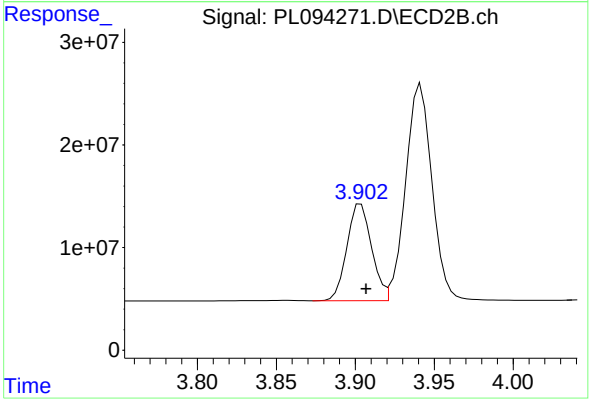
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: -0.004 min
Response: 241458065
Conc: 52.93 ng/ml



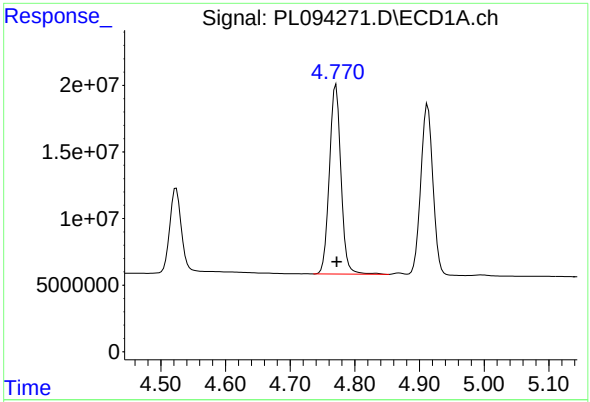
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.001 min
Response: 78052179
Conc: 48.56 ng/ml



#6 beta-BHC

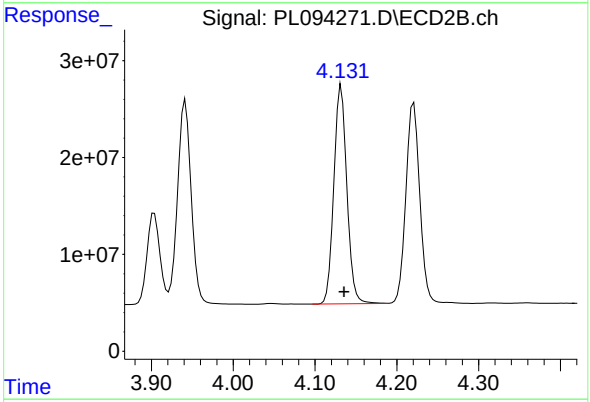
R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 102776604
Conc: 51.45 ng/ml



#7 delta-BHC

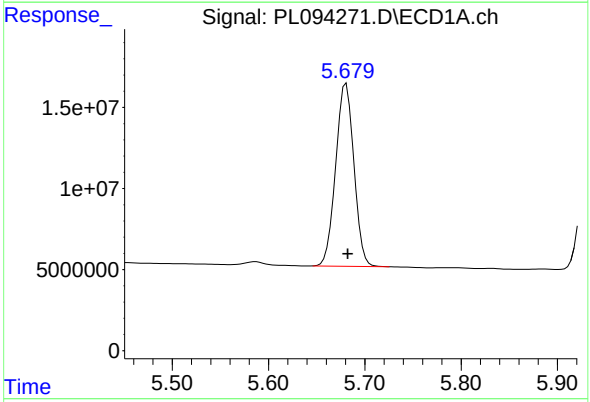
R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 176818073
Conc: 50.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



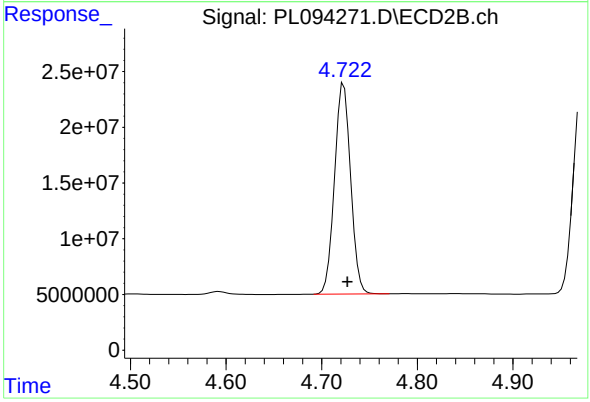
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.003 min
Response: 249462609
Conc: 52.50 ng/ml



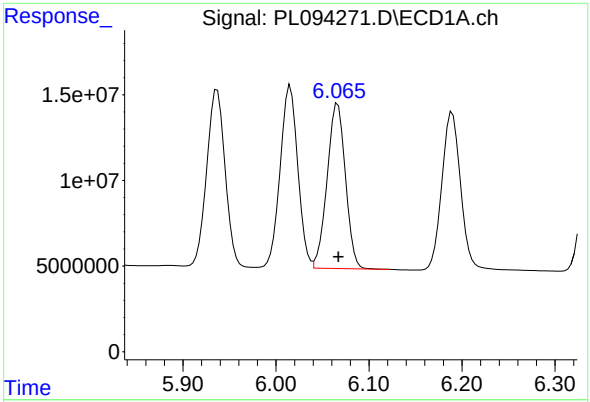
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.002 min
Response: 148068074
Conc: 49.79 ng/ml



#8 Heptachlor epoxide

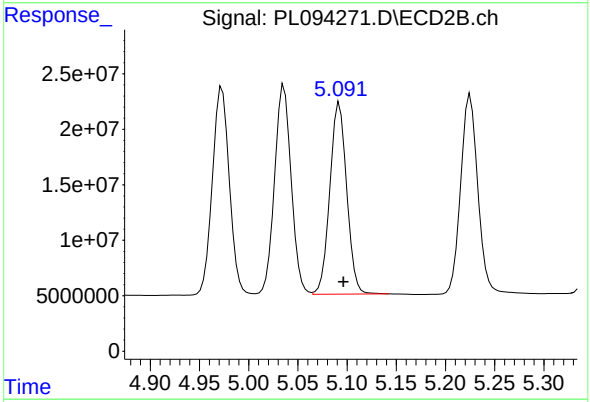
R.T.: 4.723 min
Delta R.T.: -0.004 min
Response: 221351908
Conc: 52.95 ng/ml



#9 Endosulfan I

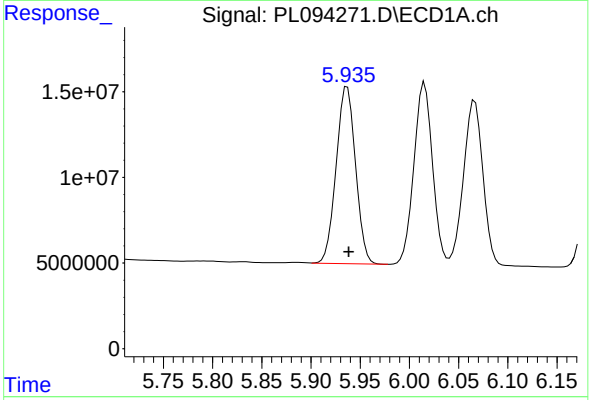
R.T.: 6.066 min
Delta R.T.: 0.000 min
Response: 131996359
Conc: 49.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



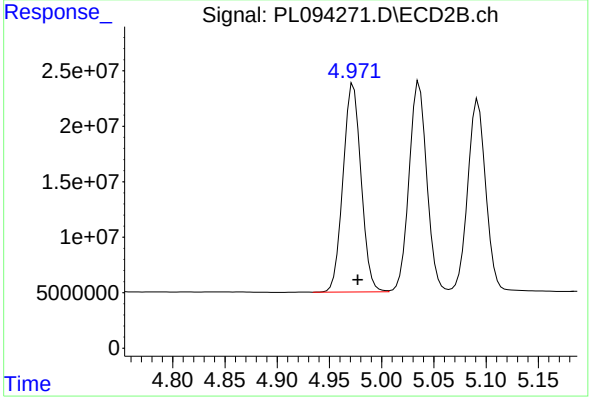
#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: -0.004 min
Response: 206482891
Conc: 53.26 ng/ml



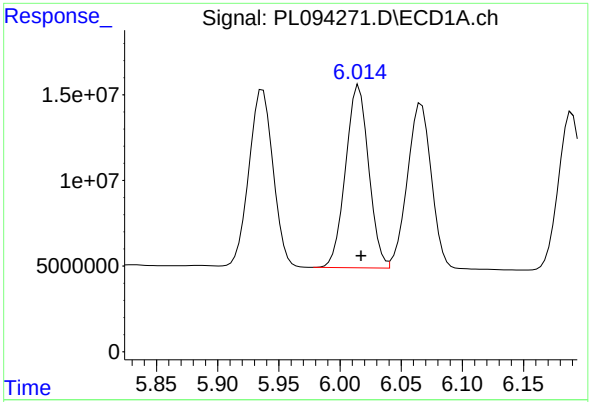
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.002 min
Response: 141686421
Conc: 50.83 ng/ml



#10 gamma-Chlordane

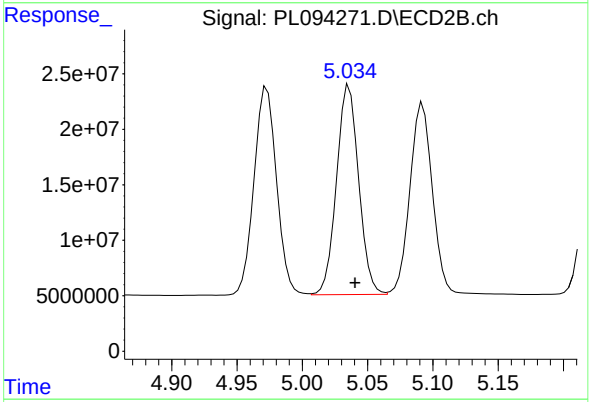
R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 225457640
Conc: 53.20 ng/ml



#11 alpha-Chlordane

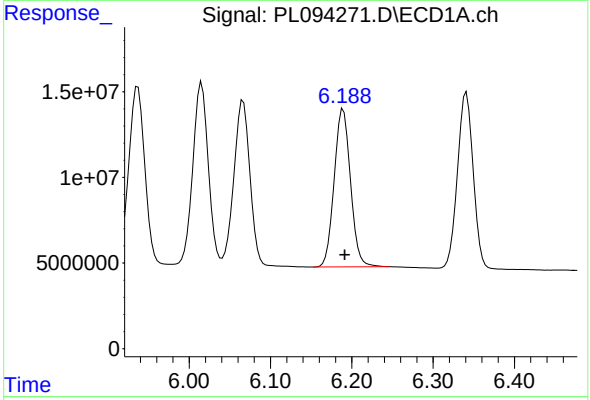
R.T.: 6.015 min
Delta R.T.: -0.002 min
Response: 140378806
Conc: 50.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



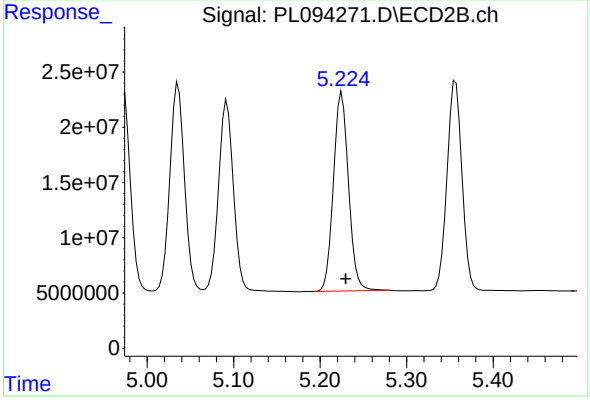
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: -0.005 min
Response: 222955415
Conc: 53.25 ng/ml



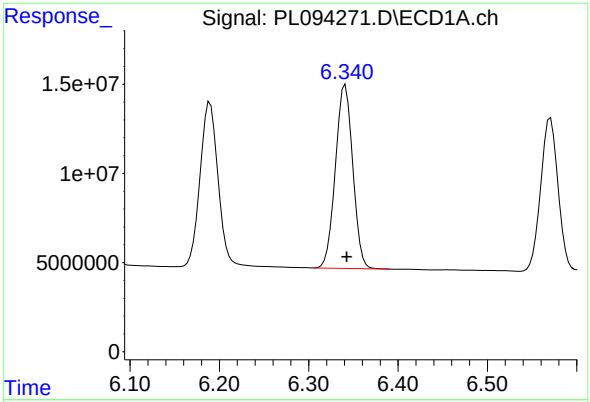
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.002 min
Response: 128818827
Conc: 52.91 ng/ml



#12 4,4'-DDE

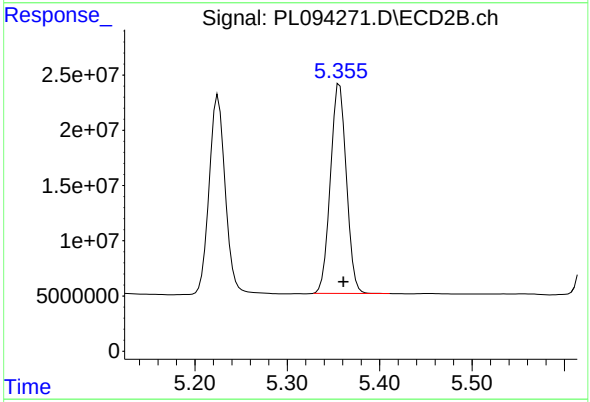
R.T.: 5.225 min
Delta R.T.: -0.004 min
Response: 217454593
Conc: 54.24 ng/ml



#13 Dieldrin

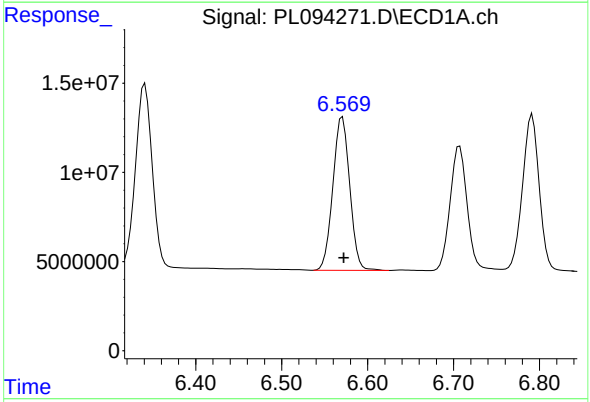
R.T.: 6.341 min
Delta R.T.: -0.002 min
Response: 138874400
Conc: 50.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



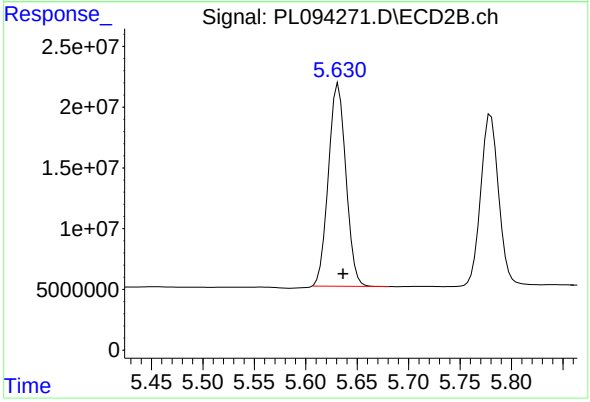
#13 Dieldrin

R.T.: 5.357 min
Delta R.T.: -0.004 min
Response: 227736941
Conc: 53.02 ng/ml



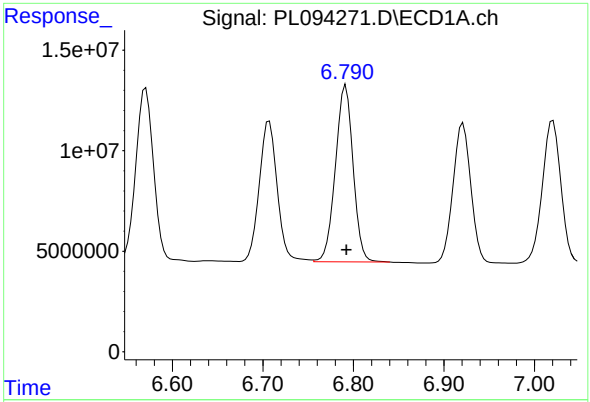
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 117303191
Conc: 50.03 ng/ml



#14 Endrin

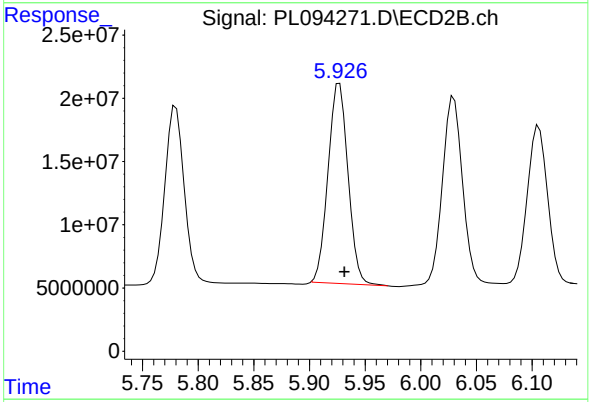
R.T.: 5.632 min
Delta R.T.: -0.005 min
Response: 197582084
Conc: 53.51 ng/ml



#15 Endosulfan II

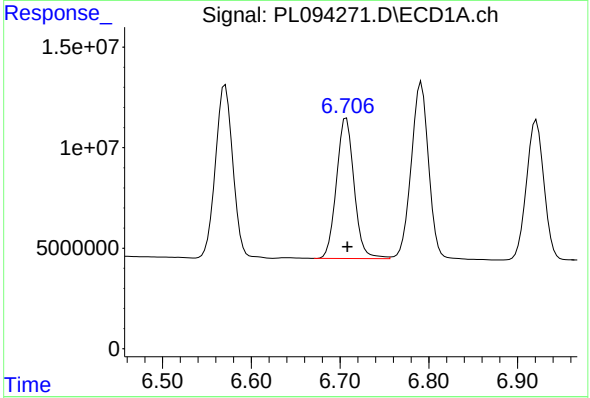
R.T.: 6.792 min
Delta R.T.: 0.000 min
Response: 119201640
Conc: 49.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



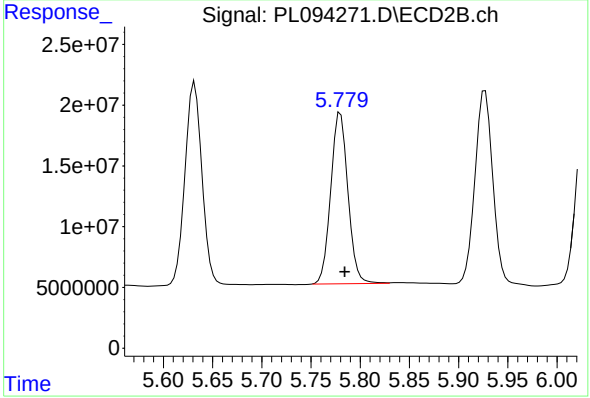
#15 Endosulfan II

R.T.: 5.927 min
Delta R.T.: -0.004 min
Response: 197226932
Conc: 53.25 ng/ml



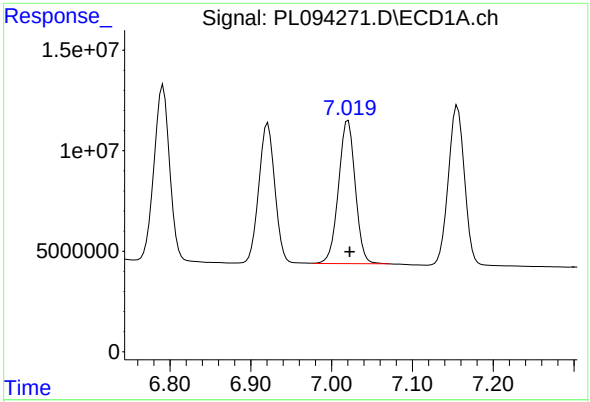
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.001 min
Response: 96506849
Conc: 50.78 ng/ml



#16 4,4'-DDD

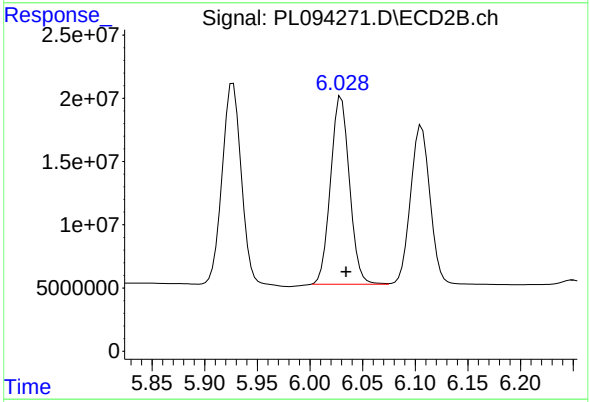
R.T.: 5.780 min
Delta R.T.: -0.004 min
Response: 171295532
Conc: 54.27 ng/ml



#17 4,4'-DDT

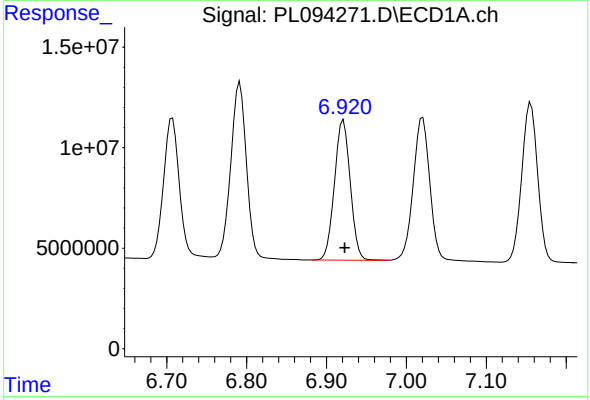
R.T.: 7.020 min
Delta R.T.: -0.002 min
Response: 102468412
Conc: 51.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



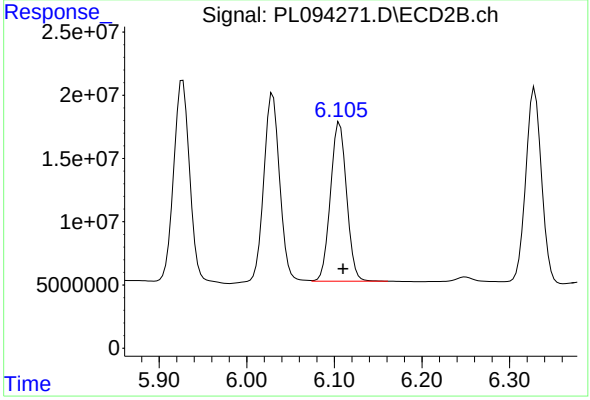
#17 4,4'-DDT

R.T.: 6.030 min
Delta R.T.: -0.004 min
Response: 185542757
Conc: 57.02 ng/ml



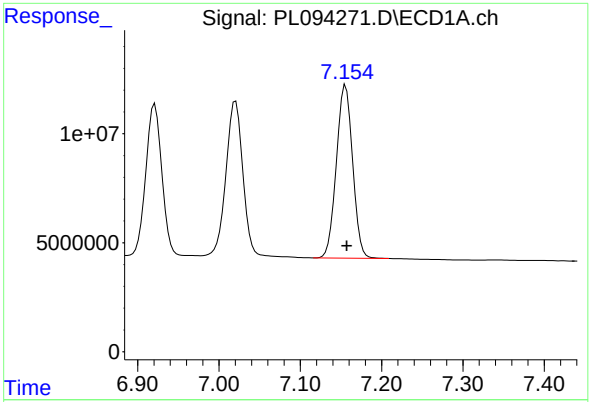
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.002 min
Response: 95712031
Conc: 49.23 ng/ml



#18 Endrin aldehyde

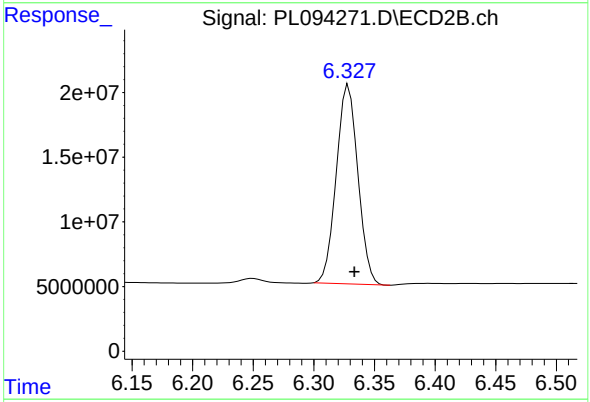
R.T.: 6.106 min
Delta R.T.: -0.004 min
Response: 160954390
Conc: 52.86 ng/ml



#19 Endosulfan Sulfate

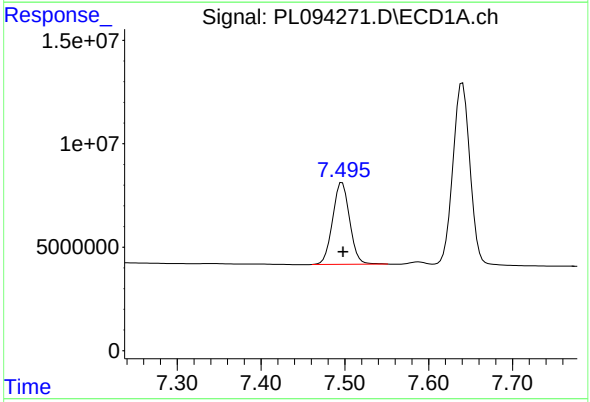
R.T.: 7.156 min
Delta R.T.: -0.001 min
Response: 110069056
Conc: 48.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



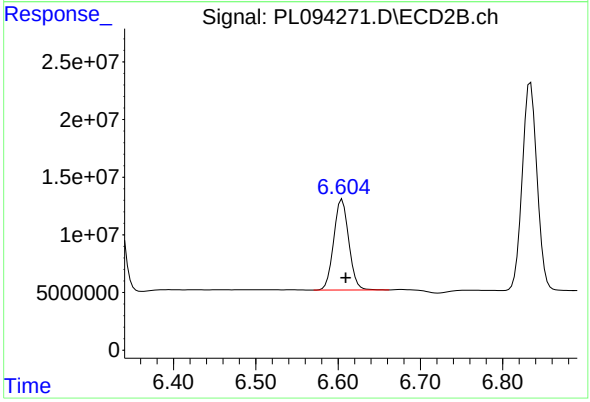
#19 Endosulfan Sulfate

R.T.: 6.329 min
Delta R.T.: -0.005 min
Response: 190893942
Conc: 53.53 ng/ml



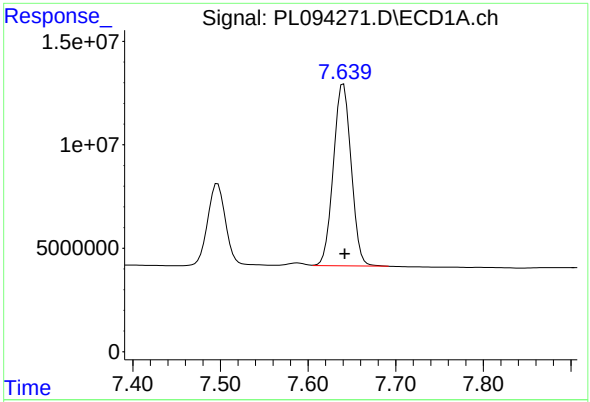
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.001 min
Response: 55837834
Conc: 53.52 ng/ml



#20 Methoxychlor

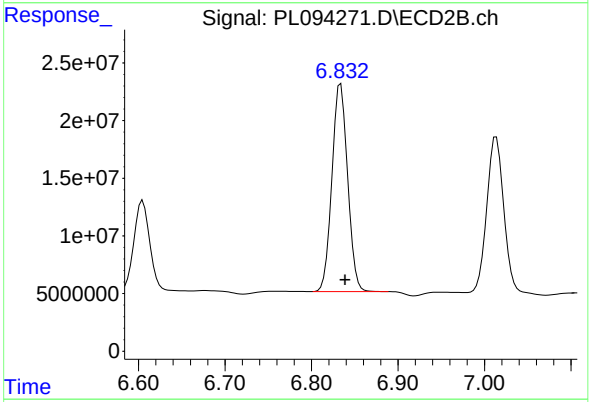
R.T.: 6.605 min
Delta R.T.: -0.004 min
Response: 100117813
Conc: 55.99 ng/ml



#21 Endrin ketone

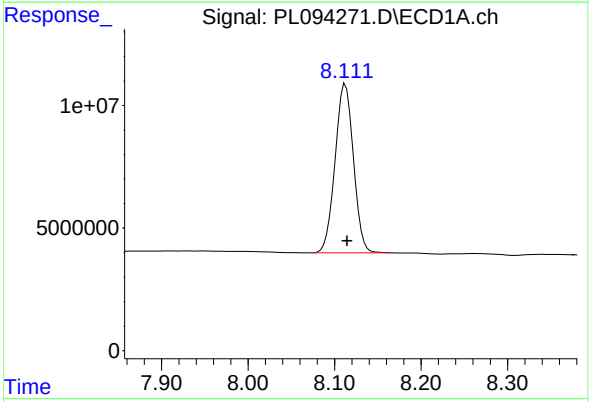
R.T.: 7.640 min
Delta R.T.: -0.001 min
Response: 123984963
Conc: 49.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



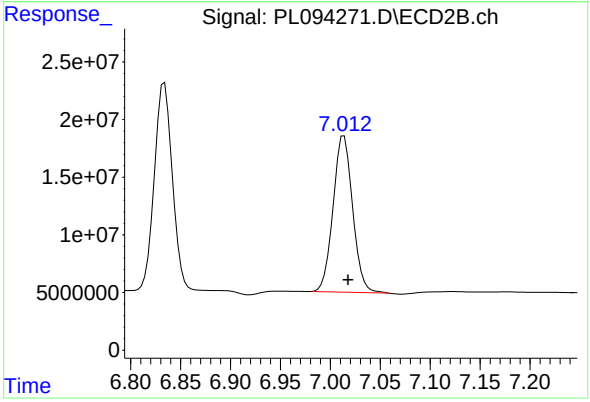
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: -0.005 min
Response: 226132509
Conc: 53.90 ng/ml



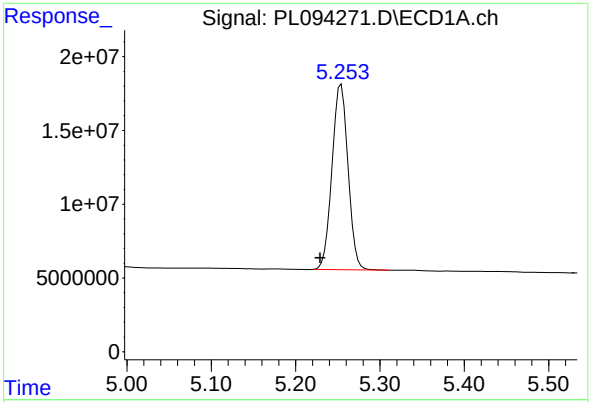
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.002 min
Response: 100992847
Conc: 48.50 ng/ml



#22 Mirex

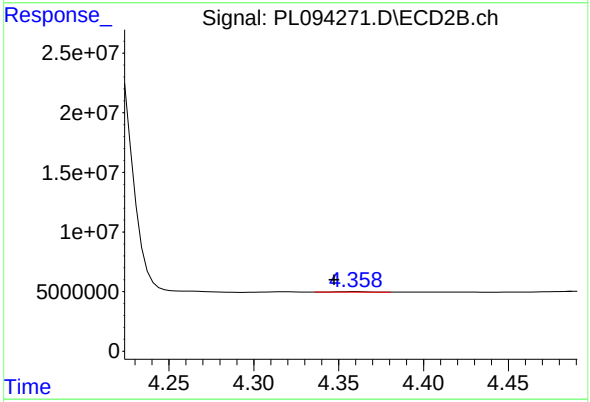
R.T.: 7.014 min
Delta R.T.: -0.004 min
Response: 184331019
Conc: 54.51 ng/ml



#24 Chlordane-2

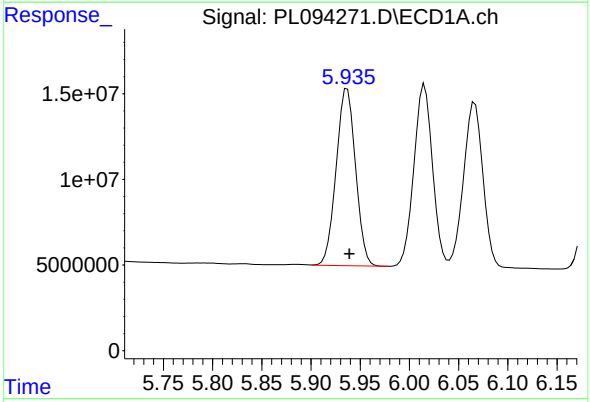
R.T.: 5.254 min
Delta R.T.: 0.025 min
Response: 165949100
Conc: 1417.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



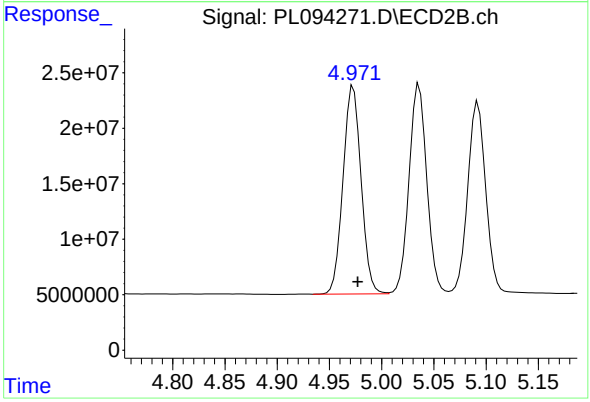
#24 Chlordane-2

R.T.: 4.360 min
Delta R.T.: 0.012 min
Response: 514023
Conc: 3.50 ng/ml



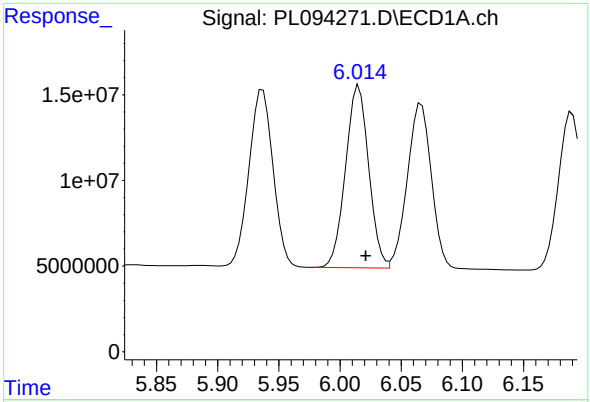
#25 Chlordane-3

R.T.: 5.937 min
Delta R.T.: -0.002 min
Response: 141686421
Conc: 361.20 ng/ml



#25 Chlordane-3

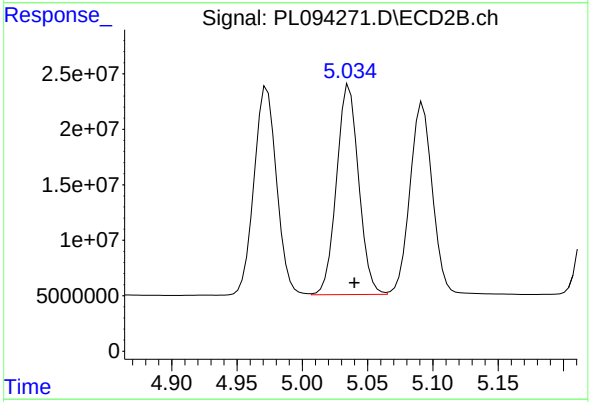
R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 225457640
Conc: 518.51 ng/ml



#26 Chlordane-4

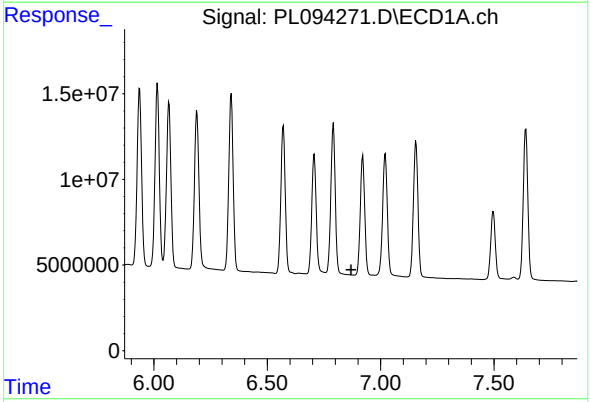
R.T.: 6.015 min
Delta R.T.: -0.005 min
Response: 140378806
Conc: 298.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



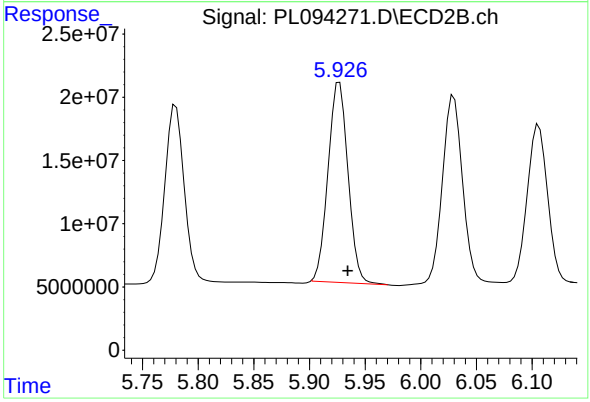
#26 Chlordane-4

R.T.: 5.036 min
Delta R.T.: -0.004 min
Response: 222955415
Conc: 526.25 ng/ml



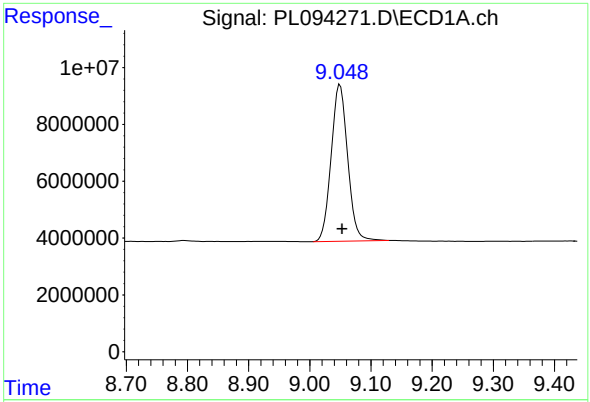
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.



#27 Chlordane-5

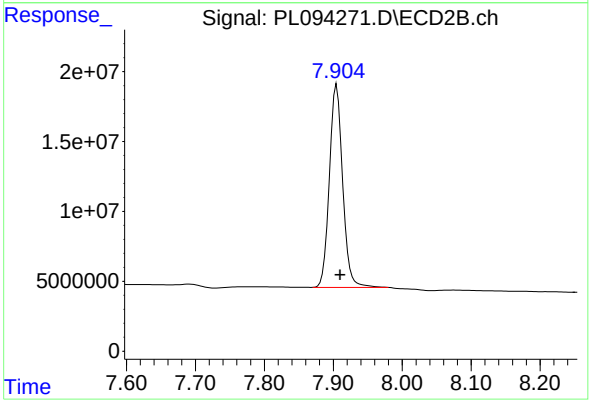
R.T.: 5.927 min
Delta R.T.: -0.008 min
Response: 197226932
Conc: 1287.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.003 min
Response: 103382611
Conc: 49.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 193607995
Conc: 55.25 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094282.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 20:16
Operator : AR\AJ
Sample : Q1383-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:17:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.772	95697960	76859263	35.539	23.546	#
28)	SA Decachlor...	9.050	7.905	44987639	68755121	21.505	19.622	
	Target Compounds							
2)	A alpha-BHC	0.000	3.262	0	412989	N.D.	0.084	#
3)	MA gamma-BHC...	0.000	3.620	0	481588	N.D.	0.102	#
4)	MA Heptachlor	0.000	3.963f	0	423928	N.D.	0.091	#
5)	MB Aldrin	0.000	4.240f	0	488837	N.D.	0.107	#
7)	B delta-BHC	4.759	4.121f	1091004	54453	0.311	0.011	#
8)	B Heptachlo...	5.673	4.731	1383810	62122	0.465	0.015	#
10)	B gamma-Chl...	0.000	5.002f	0	2035444	N.D.	0.480	#
11)	B alpha-Chl...	0.000	5.056f	0	628878	N.D.	0.150	#
12)	B 4,4'-DDE	6.185	5.237	1532496	-404420	0.629	N.D.	#
13)	MA Dieldrin	0.000	5.359	0	5366716	N.D.	1.249	#
14)	MA Endrin	6.569	5.639	3165165	-1505300	1.350	N.D.	#
15)	B Endosulfa...	0.000	5.914f	0	1721141	N.D.	0.465	#
17)	MA 4,4'-DDT	6.993f	6.026	2619256	5952540	1.328	1.829	#
18)	B Endrin al...	0.000	6.123	0	60692	N.D.	0.020	#
19)	B Endosulfa...	0.000	6.323	0	163284	N.D.	0.046	#
20)	A Methoxychlor	0.000	6.582f	0	380787	N.D.	0.213	#
21)	B Endrin ke...	7.663f	6.813f	1770801	239334	0.702	0.057	#
22)	Mirex	0.000	7.010	0	308744	N.D.	0.091	#
23)	Chlordane-1	0.000	3.756	0	494889	N.D.	3.966	#
24)	Chlordane-2	0.000	4.359	0	542544	N.D.	3.698	#
25)	Chlordane-3	0.000	5.002f	0	2035444	N.D.	4.681	#
26)	Chlordane-4	0.000	5.024	0	1376592	N.D.	3.249	#
27)	Chlordane-5	0.000	5.914f	0	1721141	N.D.	11.237	#

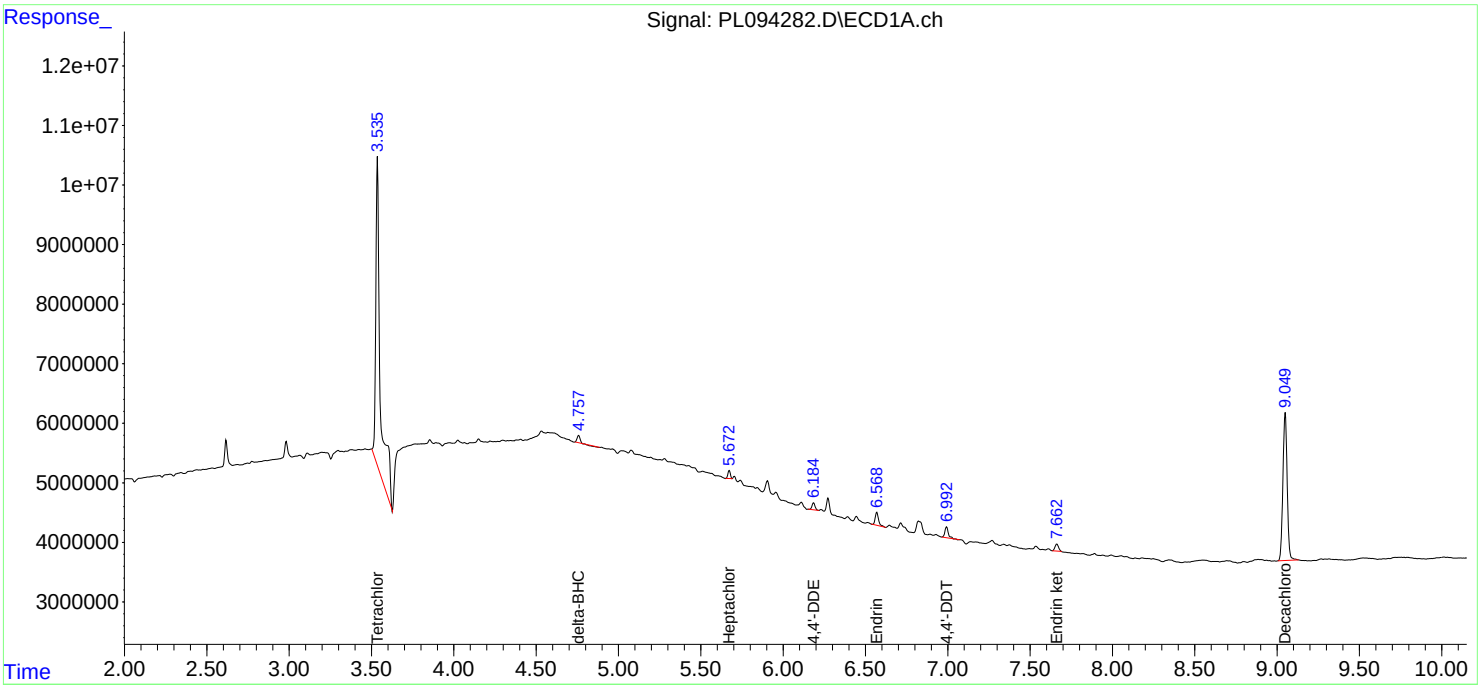
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

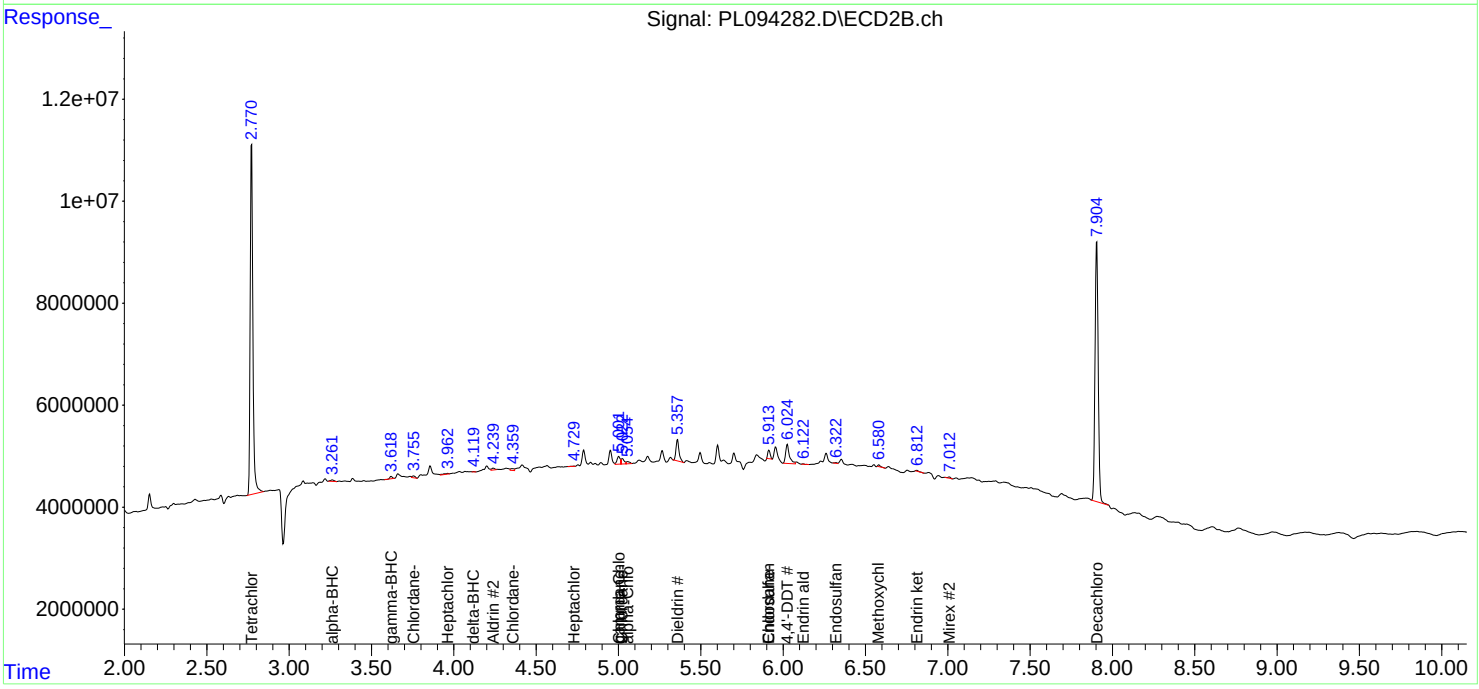
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094282.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 20:16
Operator : AR\AJ
Sample : Q1383-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

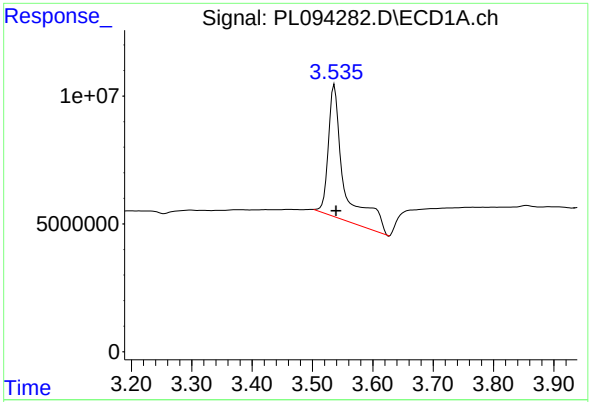
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:17:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



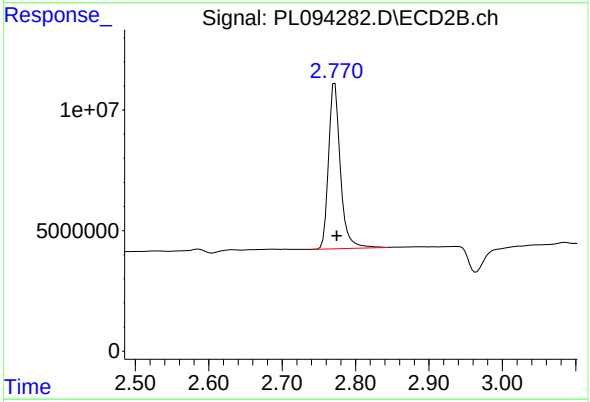




#1 Tetrachloro-m-xylene

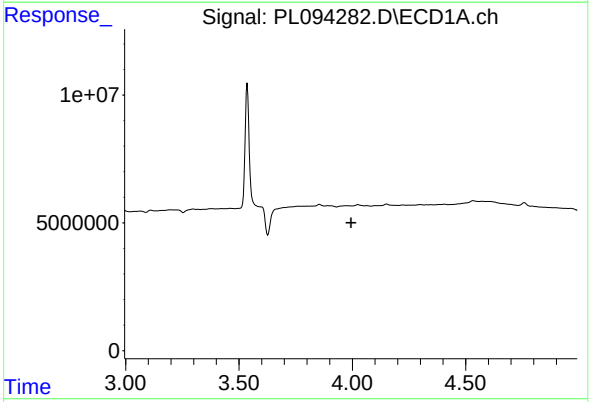
R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 95697960
Conc: 35.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725



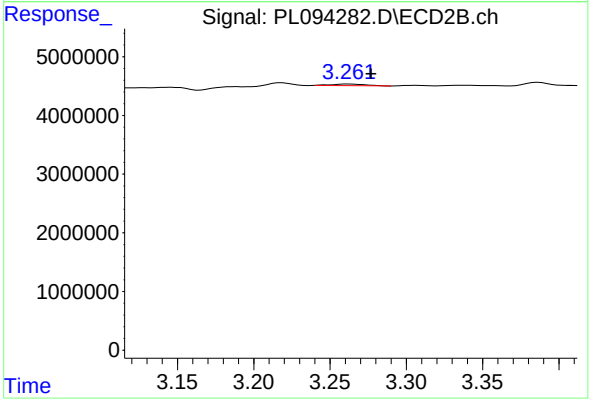
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 76859263
Conc: 23.55 ng/ml



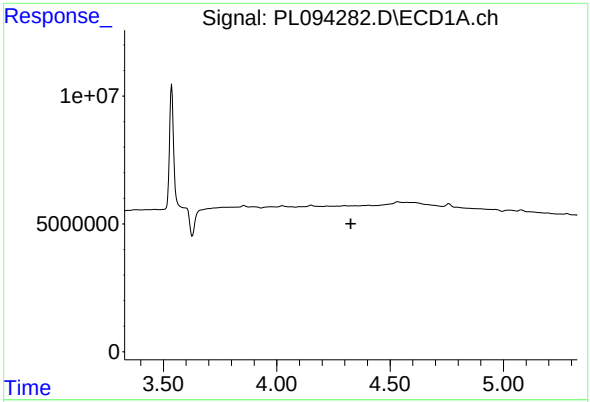
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.995 min
Response: 0
Conc: N.D.



#2 alpha-BHC

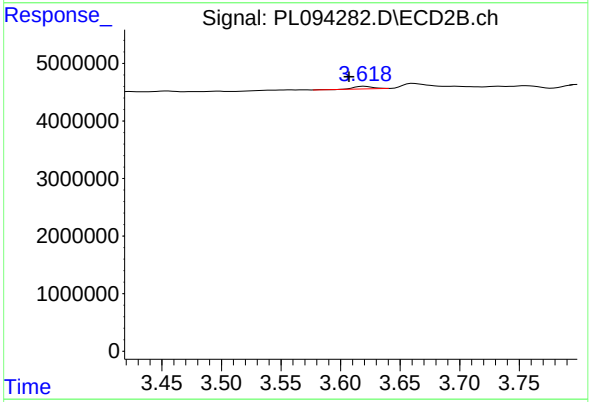
R.T.: 3.262 min
Delta R.T.: -0.015 min
Response: 412989
Conc: 0.08 ng/ml



#3 gamma-BHC (Lindane)

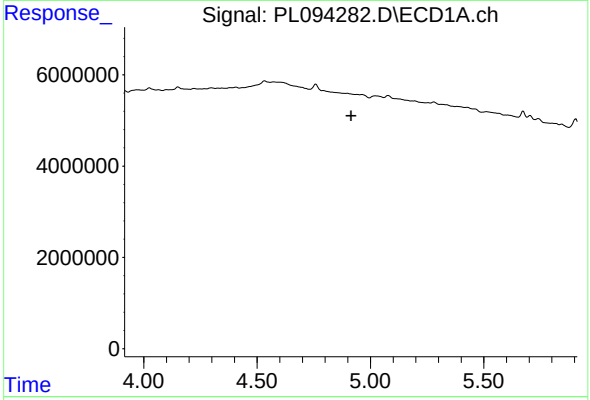
R.T.: 0.000 min
Exp R.T. : 4.327 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725



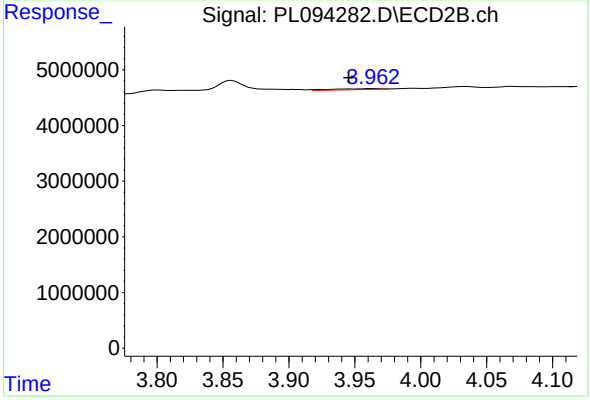
#3 gamma-BHC (Lindane)

R.T.: 3.620 min
Delta R.T.: 0.013 min
Response: 481588
Conc: 0.10 ng/ml



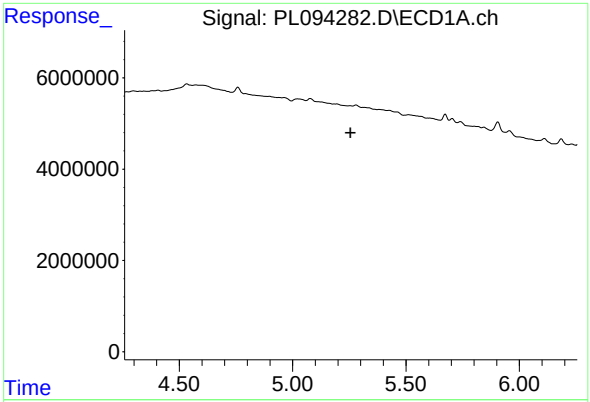
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.914 min
Response: 0
Conc: N.D.



#4 Heptachlor

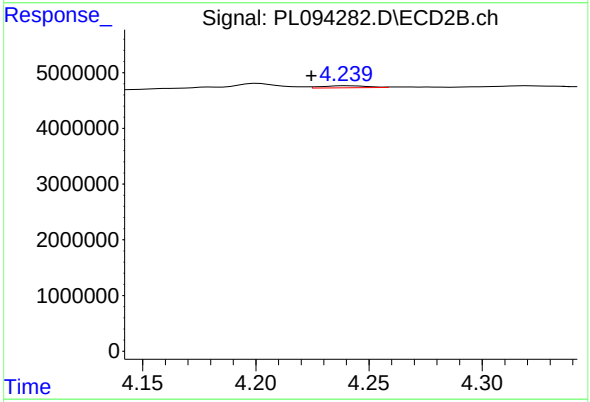
R.T.: 3.963 min
Delta R.T.: 0.018 min
Response: 423928
Conc: 0.09 ng/ml



#5 Aldrin

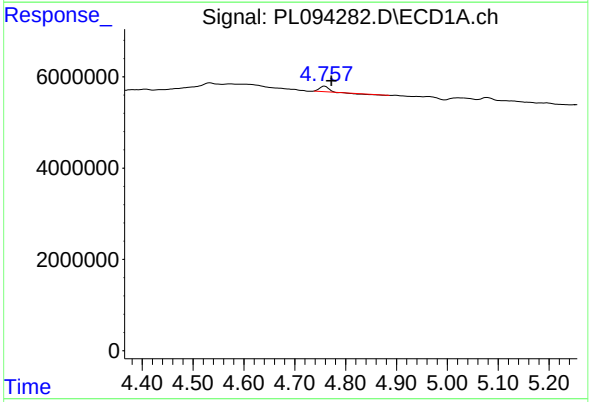
R.T.: 0.000 min
Exp R.T. : 5.256 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725



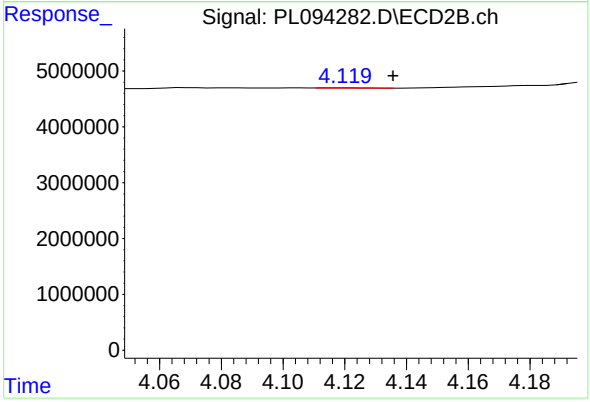
#5 Aldrin

R.T.: 4.240 min
Delta R.T.: 0.016 min
Response: 488837
Conc: 0.11 ng/ml



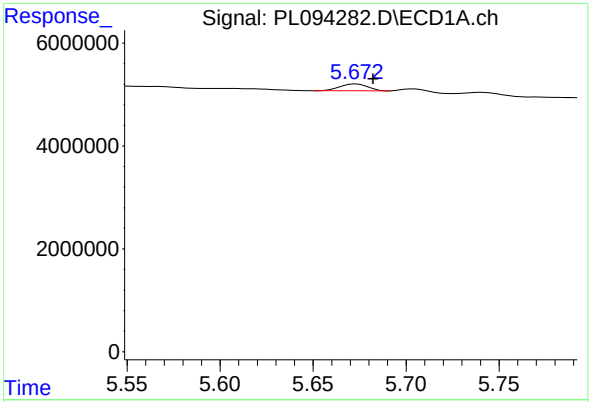
#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.013 min
Response: 1091004
Conc: 0.31 ng/ml



#7 delta-BHC

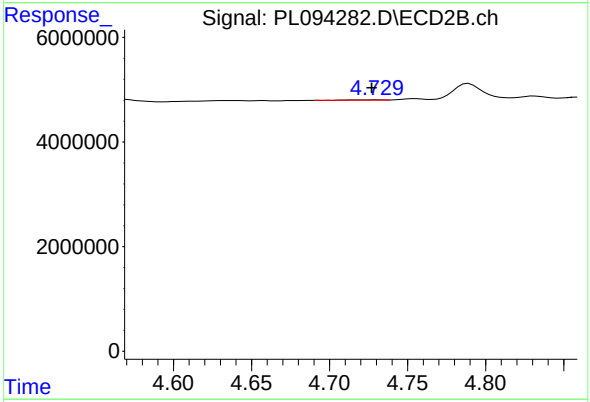
R.T.: 4.121 min
Delta R.T.: -0.015 min
Response: 54453
Conc: 0.01 ng/ml



#8 Heptachlor epoxide

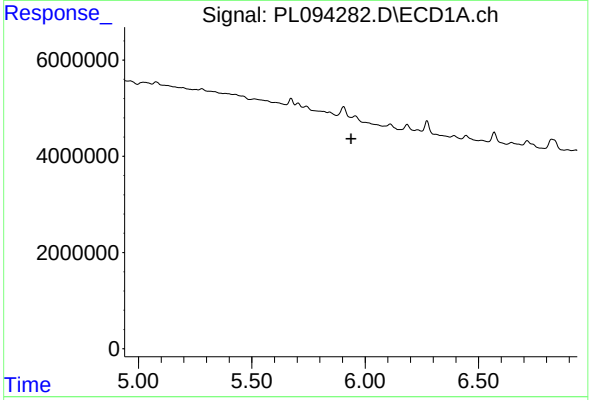
R.T.: 5.673 min
Delta R.T.: -0.009 min
Response: 1383810
Conc: 0.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725



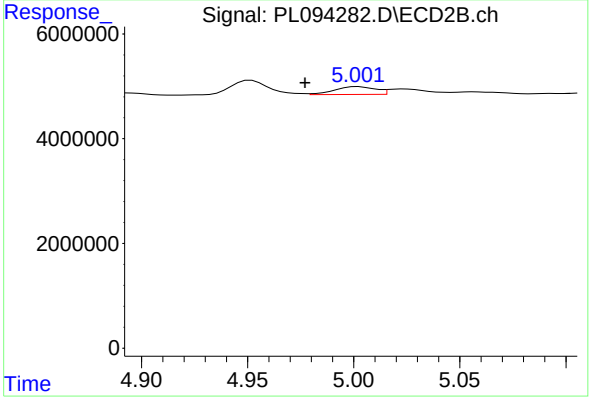
#8 Heptachlor epoxide

R.T.: 4.731 min
Delta R.T.: 0.004 min
Response: 62122
Conc: 0.01 ng/ml



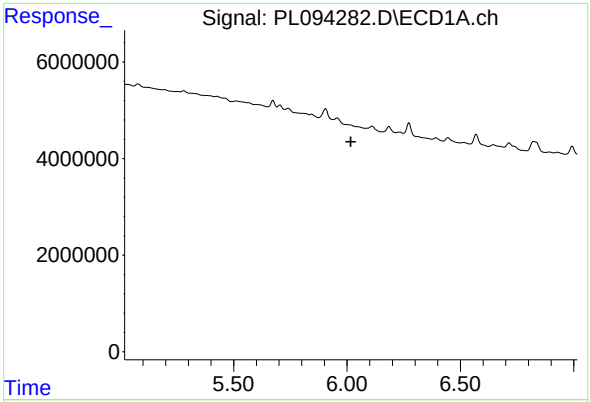
#10 gamma-Chlordane

R.T.: 0.000 min
Exp R.T. : 5.938 min
Response: 0
Conc: N.D.



#10 gamma-Chlordane

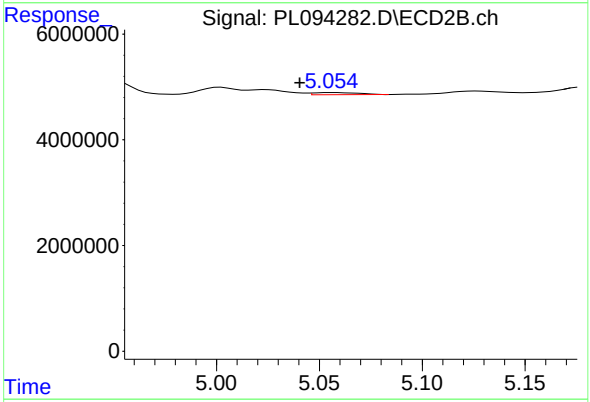
R.T.: 5.002 min
Delta R.T.: 0.025 min
Response: 2035444
Conc: 0.48 ng/ml



#11 alpha-Chlordane

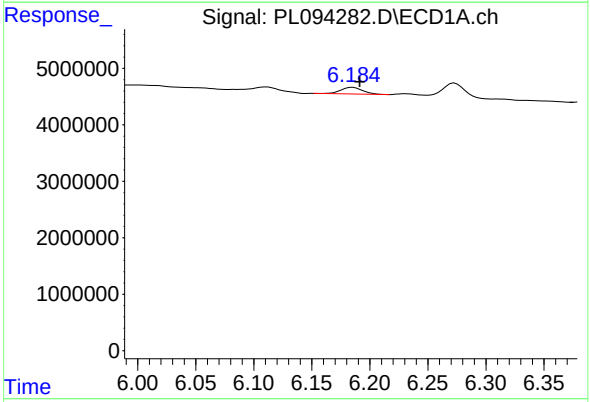
R.T.: 0.000 min
Exp R.T. : 6.017 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725



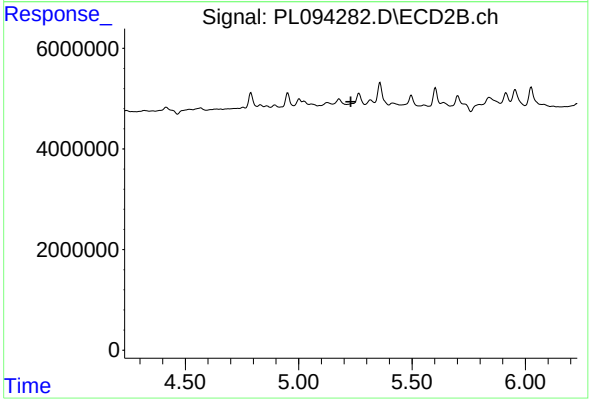
#11 alpha-Chlordane

R.T.: 5.056 min
Delta R.T.: 0.016 min
Response: 628878
Conc: 0.15 ng/ml



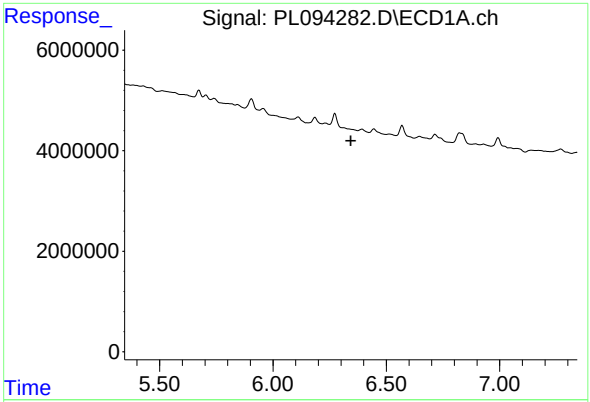
#12 4,4'-DDE

R.T.: 6.185 min
Delta R.T.: -0.006 min
Response: 1532496
Conc: 0.63 ng/ml



#12 4,4'-DDE

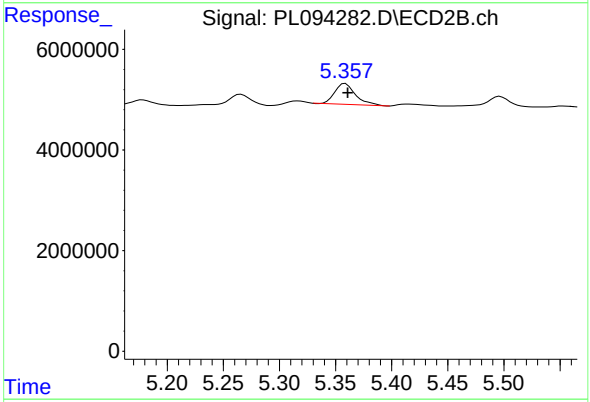
R.T.: 5.237 min
Delta R.T.: 0.007 min
Response: -404420
Conc: N.D.



#13 Dieldrin

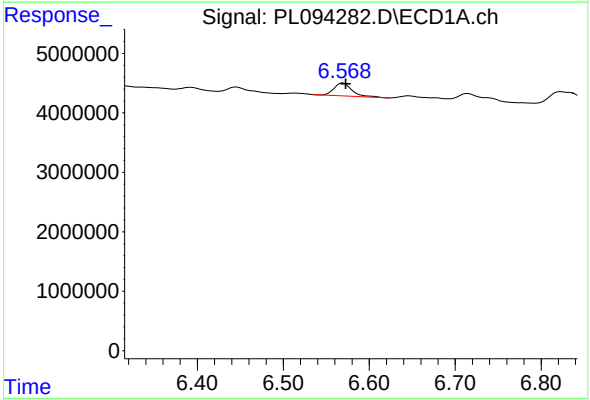
R.T.: 0.000 min
Exp R.T. : 6.343 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725



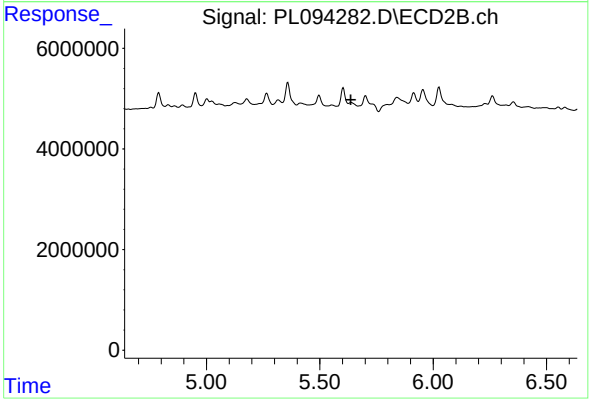
#13 Dieldrin

R.T.: 5.359 min
Delta R.T.: -0.002 min
Response: 5366716
Conc: 1.25 ng/ml



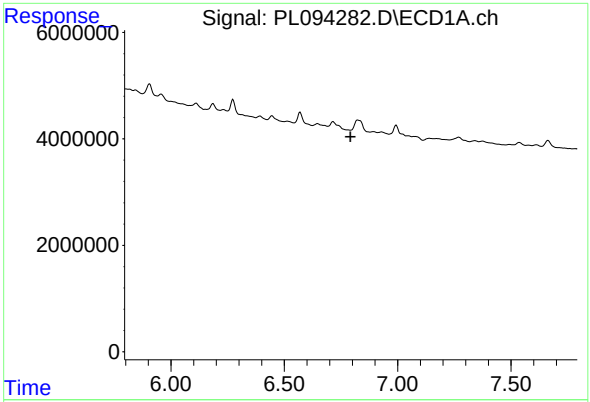
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.003 min
Response: 3165165
Conc: 1.35 ng/ml



#14 Endrin

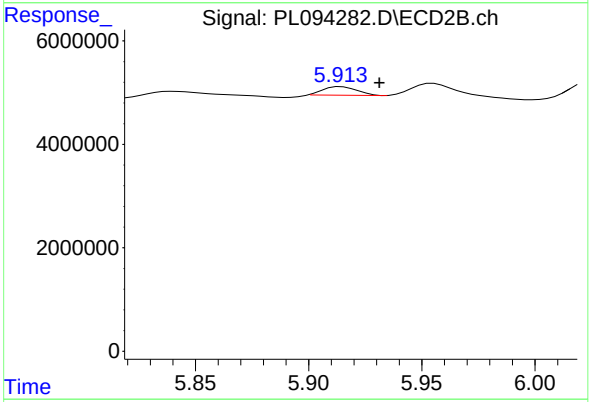
R.T.: 5.639 min
Delta R.T.: 0.003 min
Response: -1505300
Conc: N.D.



#15 Endosulfan II

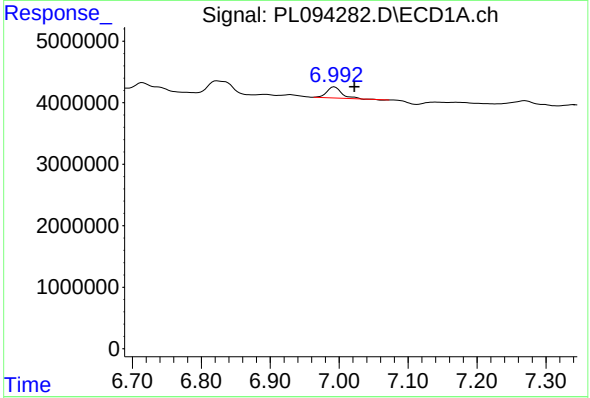
R.T.: 0.000 min
Exp R.T. : 6.792 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725



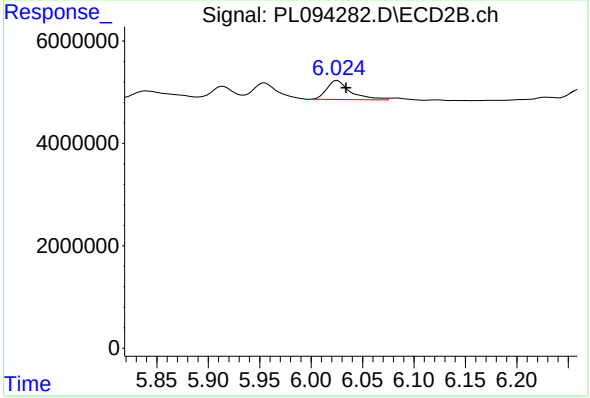
#15 Endosulfan II

R.T.: 5.914 min
Delta R.T.: -0.017 min
Response: 1721141
Conc: 0.46 ng/ml



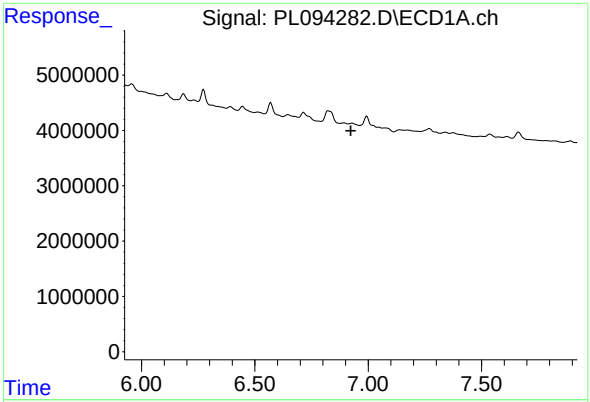
#17 4,4'-DDT

R.T.: 6.993 min
Delta R.T.: -0.029 min
Response: 2619256
Conc: 1.33 ng/ml



#17 4,4'-DDT

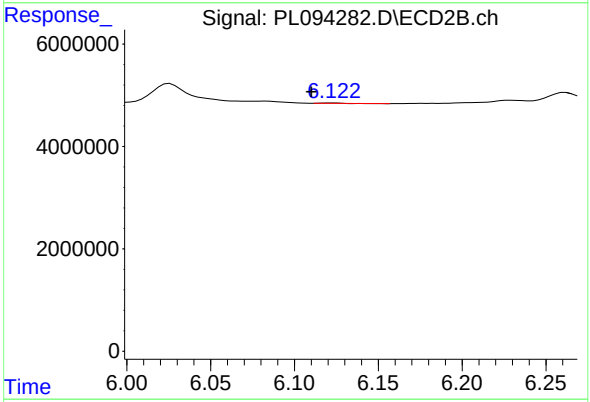
R.T.: 6.026 min
Delta R.T.: -0.008 min
Response: 5952540
Conc: 1.83 ng/ml



#18 Endrin aldehyde

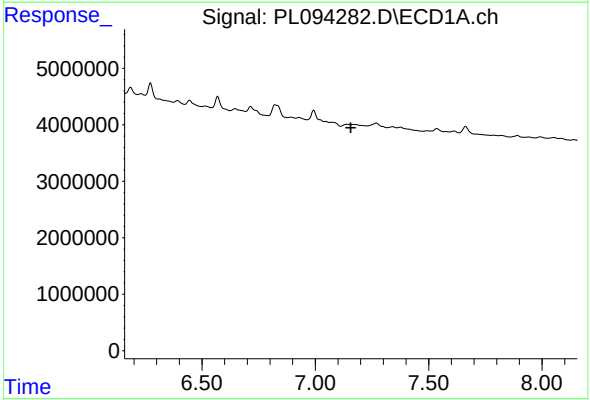
R.T.: 0.000 min
Exp R.T. : 6.923 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725



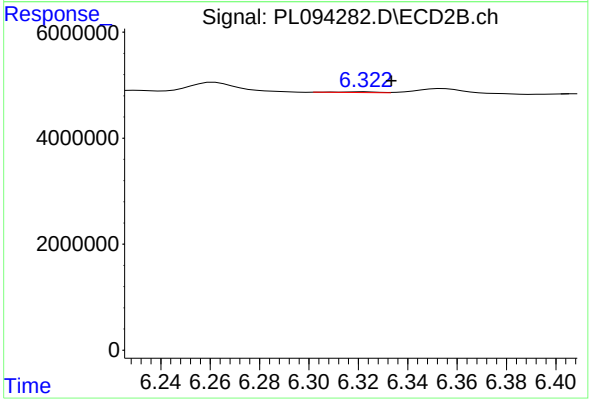
#18 Endrin aldehyde

R.T.: 6.123 min
Delta R.T.: 0.013 min
Response: 60692
Conc: 0.02 ng/ml



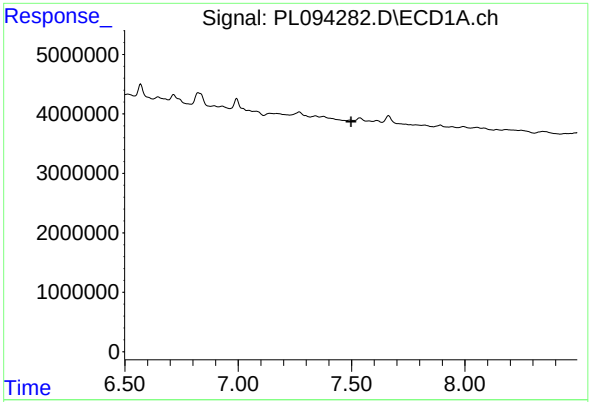
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T. : 7.157 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

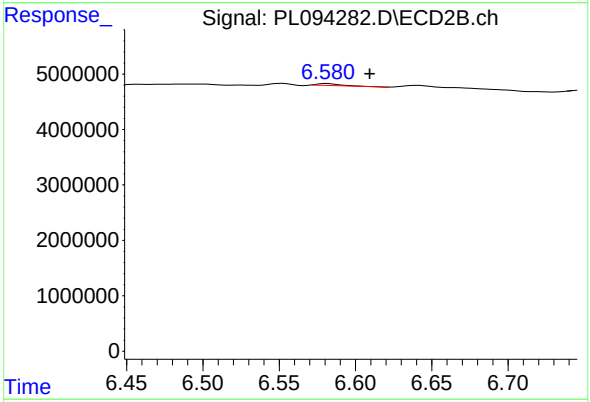
R.T.: 6.323 min
Delta R.T.: -0.011 min
Response: 163284
Conc: 0.05 ng/ml



#20 Methoxychlor

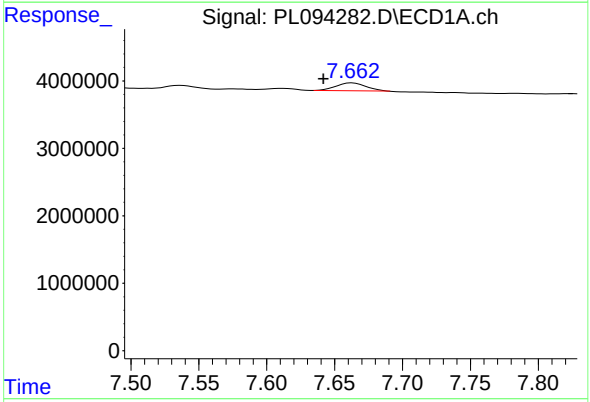
R.T.: 0.000 min
Exp R.T. : 7.498 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725



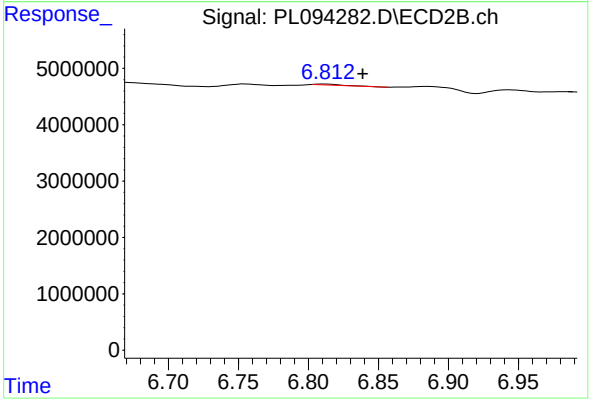
#20 Methoxychlor

R.T.: 6.582 min
Delta R.T.: -0.028 min
Response: 380787
Conc: 0.21 ng/ml



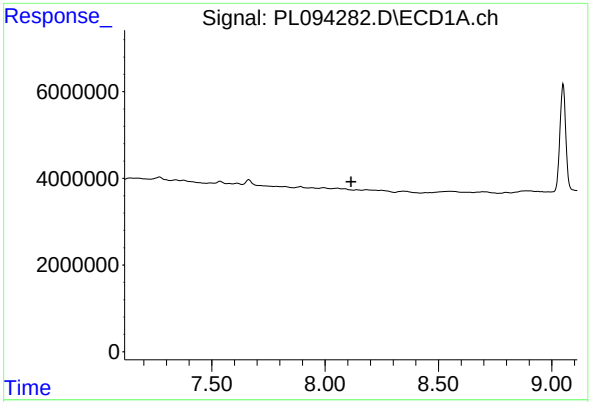
#21 Endrin ketone

R.T.: 7.663 min
Delta R.T.: 0.021 min
Response: 1770801
Conc: 0.70 ng/ml



#21 Endrin ketone

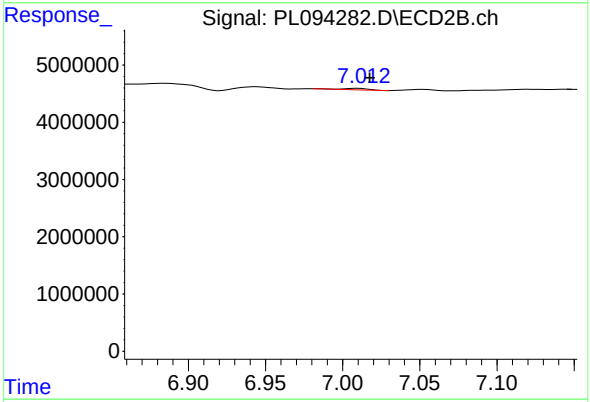
R.T.: 6.813 min
Delta R.T.: -0.026 min
Response: 239334
Conc: 0.06 ng/ml



#22 Mirex

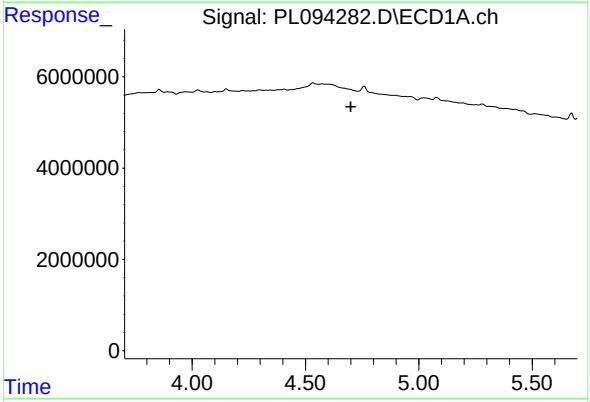
R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725



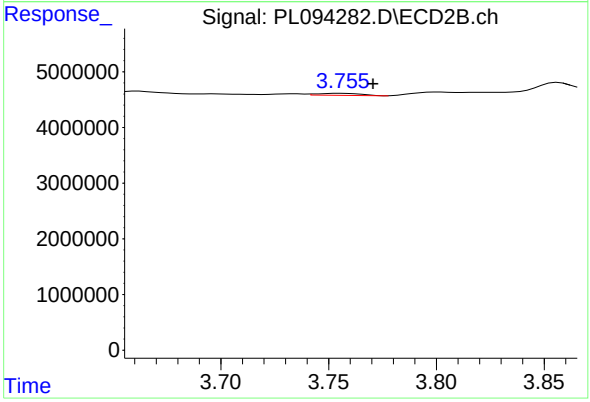
#22 Mirex

R.T.: 7.010 min
Delta R.T.: -0.008 min
Response: 308744
Conc: 0.09 ng/ml



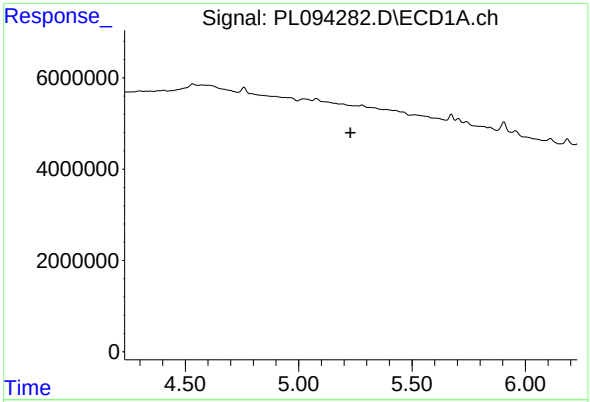
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.700 min
Response: 0
Conc: N.D.



#23 Chlordane-1

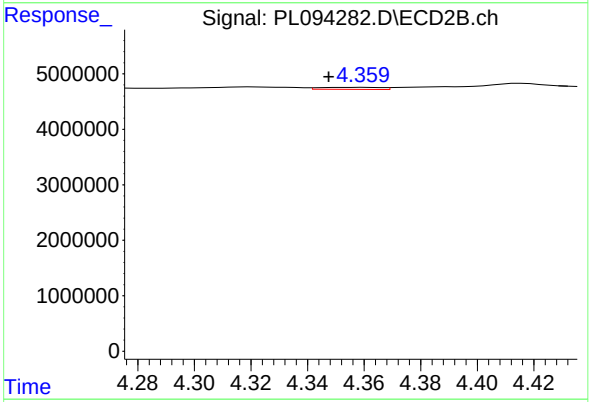
R.T.: 3.756 min
Delta R.T.: -0.015 min
Response: 494889
Conc: 3.97 ng/ml



#24 Chlordane-2

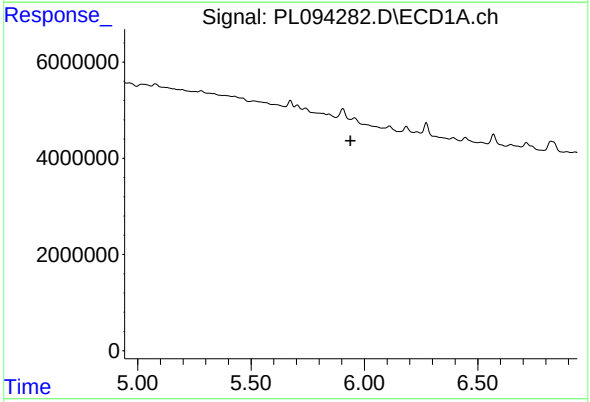
R.T.: 0.000 min
Exp R.T. : 5.229 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725



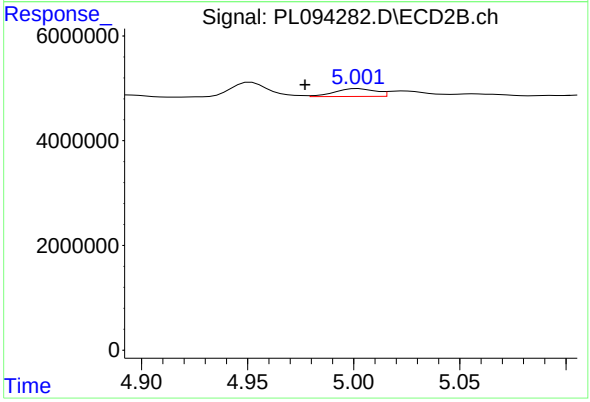
#24 Chlordane-2

R.T.: 4.359 min
Delta R.T.: 0.011 min
Response: 542544
Conc: 3.70 ng/ml



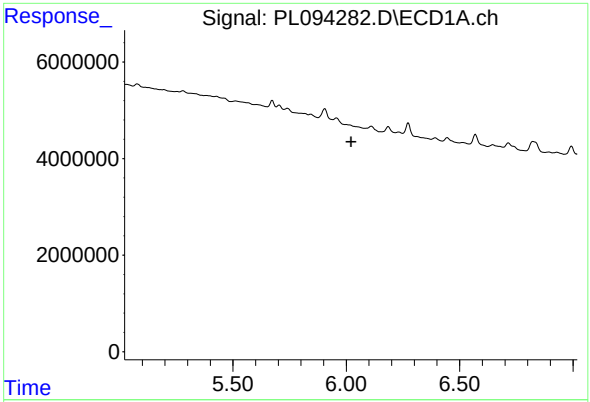
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T. : 5.939 min
Response: 0
Conc: N.D.



#25 Chlordane-3

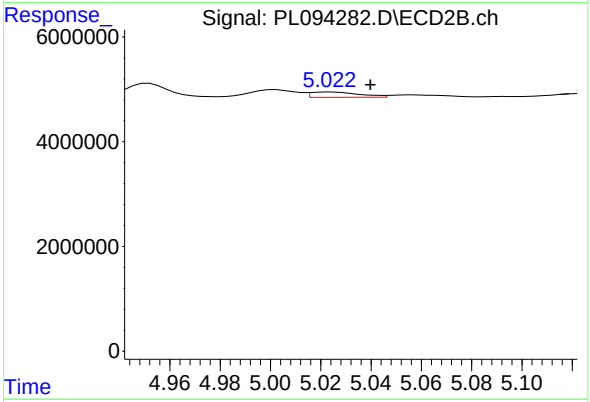
R.T.: 5.002 min
Delta R.T.: 0.025 min
Response: 2035444
Conc: 4.68 ng/ml



#26 Chlordane-4

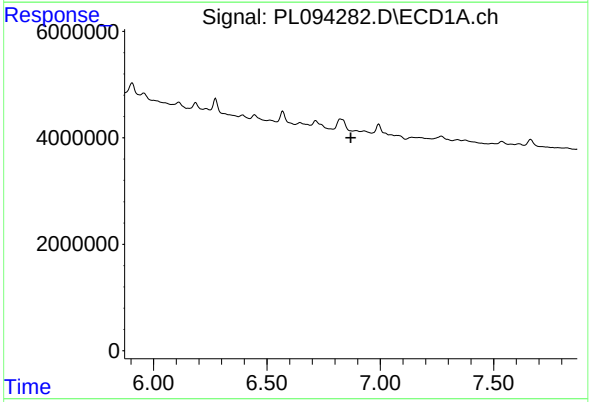
R.T.: 0.000 min
Exp R.T. : 6.021 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725



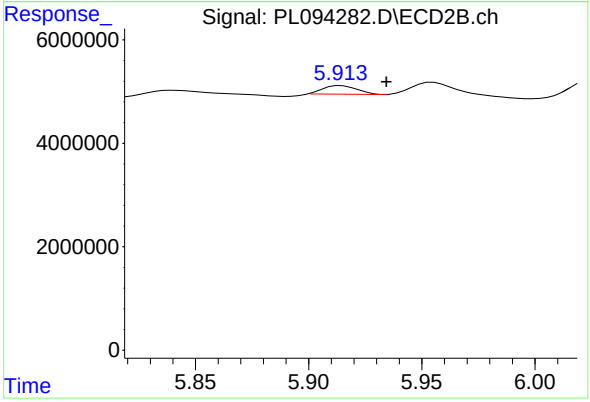
#26 Chlordane-4

R.T.: 5.024 min
Delta R.T.: -0.016 min
Response: 1376592
Conc: 3.25 ng/ml



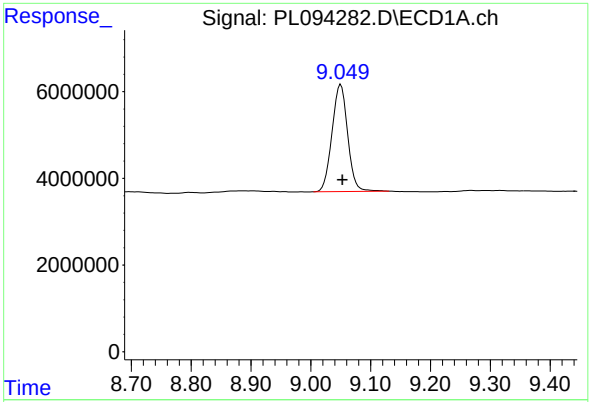
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.



#27 Chlordane-5

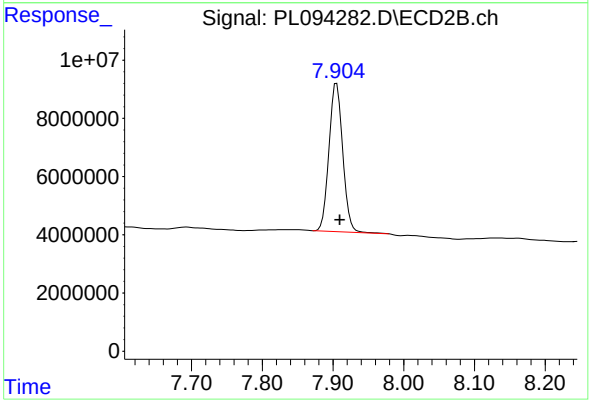
R.T.: 5.914 min
Delta R.T.: -0.020 min
Response: 1721141
Conc: 11.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 44987639
Conc: 21.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 68755121
Conc: 19.62 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094283.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 20:29
Operator : AR\AJ
Sample : Q1383-01MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:18:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound		RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds								
1)	SA	Tetrachlo...	3.536	2.772	86801756	73404942	32.235	22.488	#
28)	SA	Decachlor...	9.050	7.905	45917399	74745275	21.950	21.331	
	Target Compounds								
2)	A	alpha-BHC	3.992	3.274	158.7E6	216.3E6	41.390	44.242	
3)	MA	gamma-BHC...	4.325	3.604	153.0E6	206.6E6	41.533	43.578	
4)	MA	Heptachlor	4.912	3.941	146.5E6	213.3E6	44.709	45.826	
5)	MB	Aldrin	5.253	4.221	140.7E6	200.5E6	43.009	43.949	
6)	B	beta-BHC	4.523	3.903	70548312	90690778	43.892	45.404	
7)	B	delta-BHC	4.770	4.132	150.1E6	205.9E6	42.812	43.333	
8)	B	Heptachlo...	5.680	4.723	130.5E6	190.6E6	43.876	45.587	
9)	A	Endosulfan I	6.065	5.093	115.5E6	180.2E6	43.711	46.469	
10)	B	gamma-Chl...	5.936	4.973	129.2E6	205.3E6	46.347	48.447	
11)	B	alpha-Chl...	6.015	5.036	124.6E6	197.7E6	44.672	47.213	
12)	B	4,4'-DDE	6.189	5.225	117.1E6	189.3E6	48.086	47.208	
13)	MA	Dieldrin	6.340	5.357	121.7E6	197.9E6	43.852	46.069	
14)	MA	Endrin	6.570	5.632	107.7E6	175.7E6	45.919	47.573	
15)	B	Endosulfa...	6.790	5.927	104.3E6	178.1E6	43.306	48.095	
16)	A	4,4'-DDD	6.706	5.780	91750668	152.7E6	48.276	48.376	
17)	MA	4,4'-DDT	7.020	6.030	96974064	167.3E6	49.174	51.414	
18)	B	Endrin al...	6.920	6.106	81934870	131.7E6	42.146	43.246	
19)	B	Endosulfa...	7.155	6.329	99038645	165.8E6	43.750	46.481	
20)	A	Methoxychlor	7.496	6.605	51457324	85483045	49.317	47.806	
21)	B	Endrin ke...	7.639	6.834	109.9E6	190.3E6	43.550	45.364	
22)		Mirex	8.112	7.014	84910182	144.4E6	40.773	42.692	
23)		Chlordane-1	0.000	3.761	0	353599	N.D.	2.833	#
24)		Chlordane-2	5.253f	4.359	140.7E6	1136640	1201.939	7.747	#
25)		Chlordane-3	5.936	4.973	129.2E6	205.3E6	329.334	472.153	#
26)		Chlordane-4	6.015	5.036	124.6E6	197.7E6	264.970	466.540	#
27)		Chlordane-5	0.000	5.927	0	178.1E6	N.D.	1163.044	#

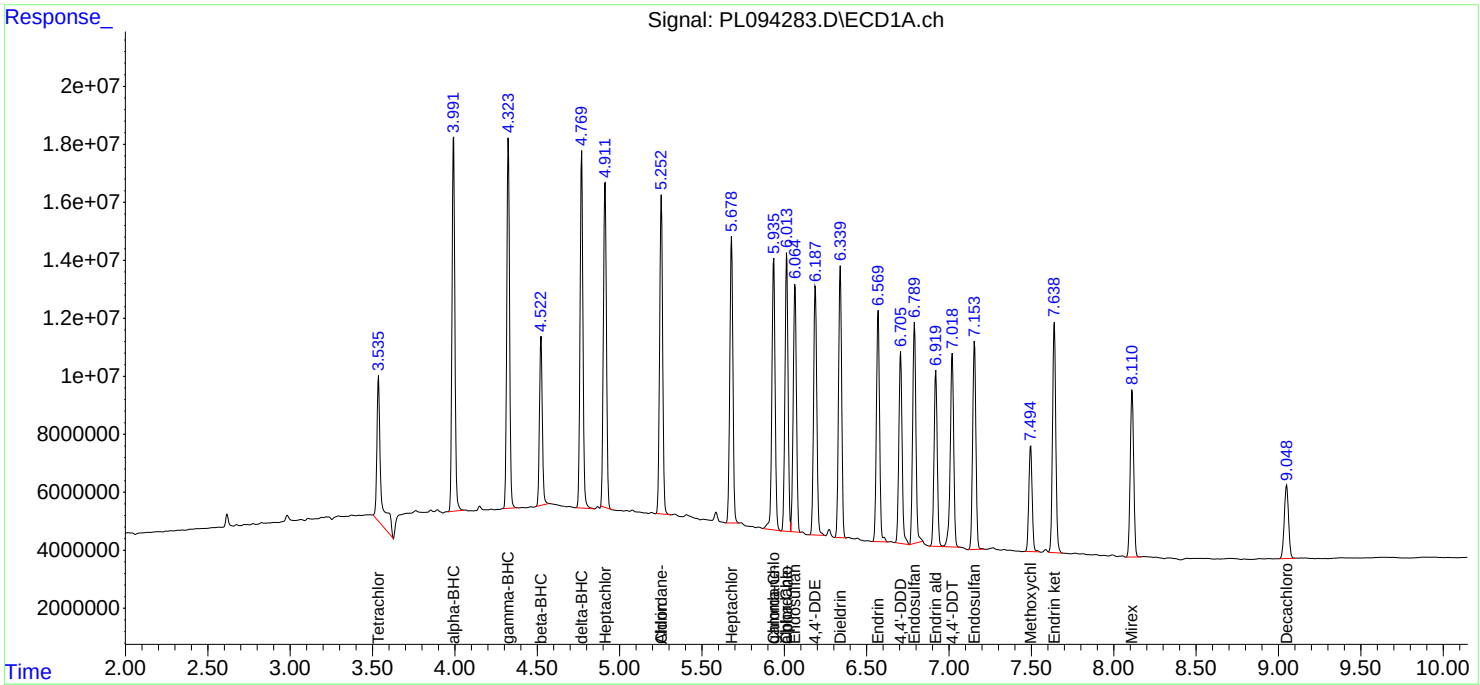
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

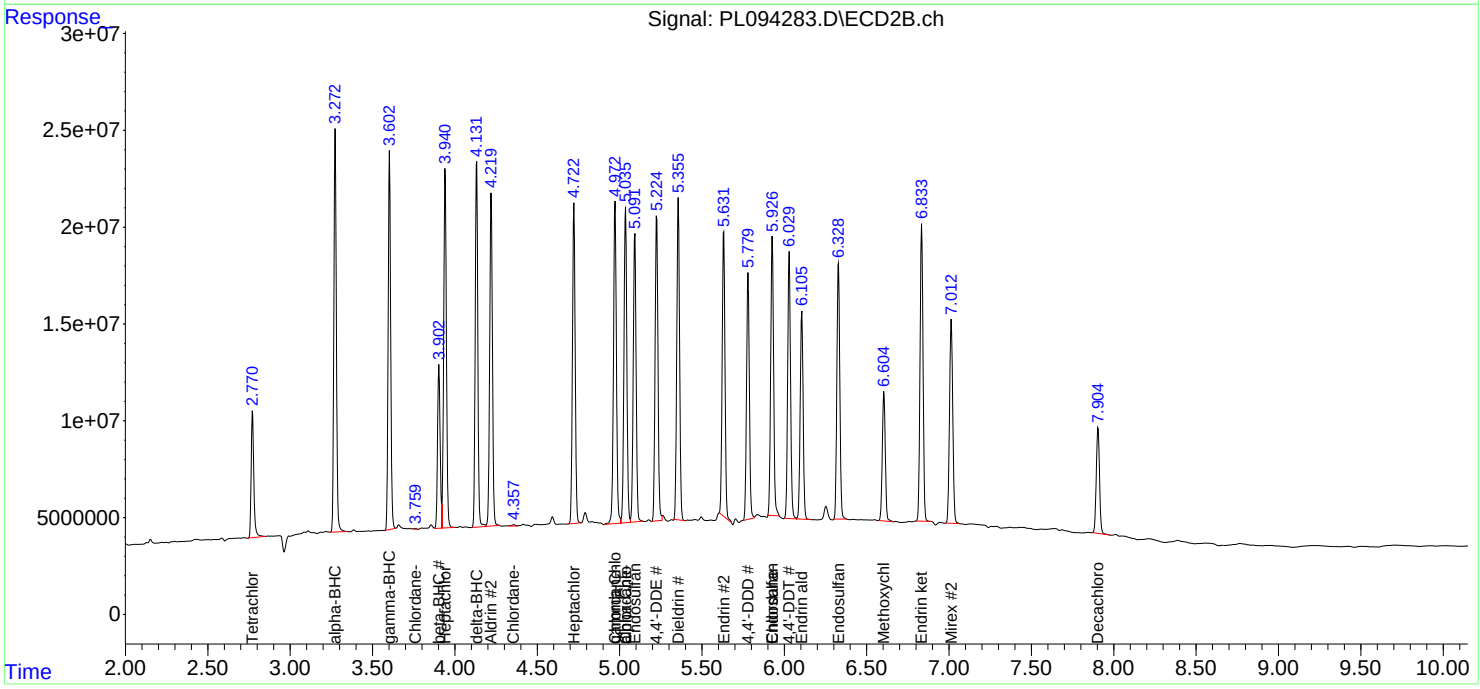
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094283.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 20:29
Operator : AR\AJ
Sample : Q1383-01MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

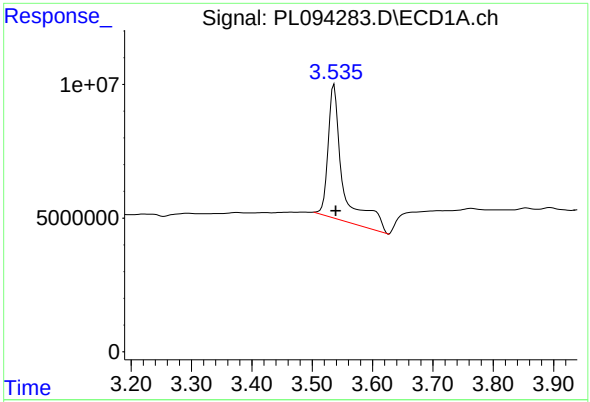
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:18:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



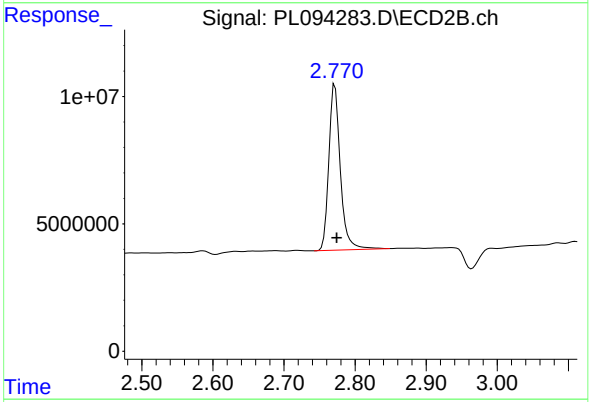




#1 Tetrachloro-m-xylene

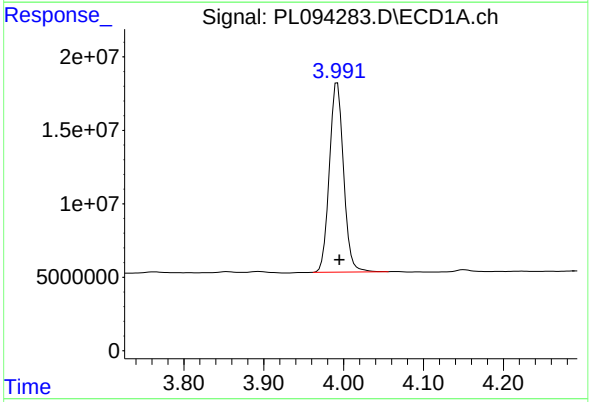
R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 86801756
Conc: 32.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS



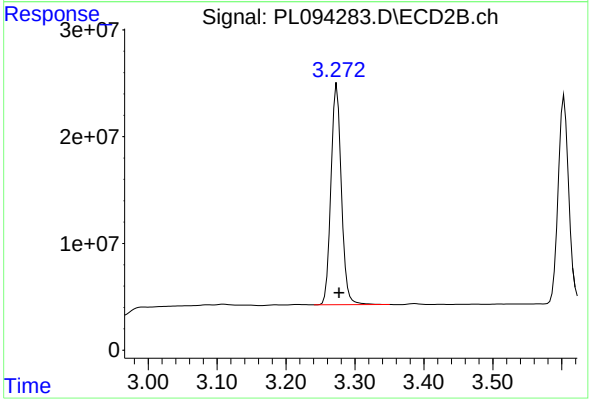
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 73404942
Conc: 22.49 ng/ml



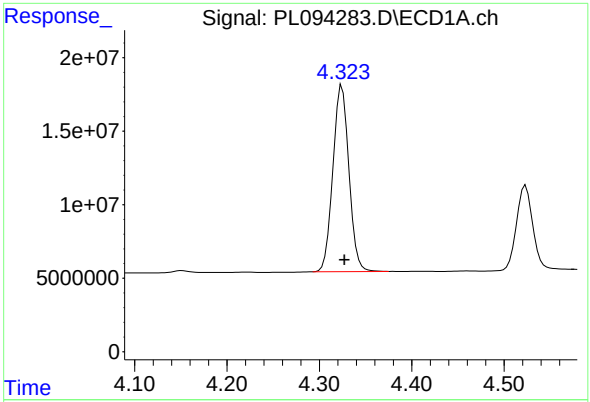
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 158682445
Conc: 41.39 ng/ml



#2 alpha-BHC

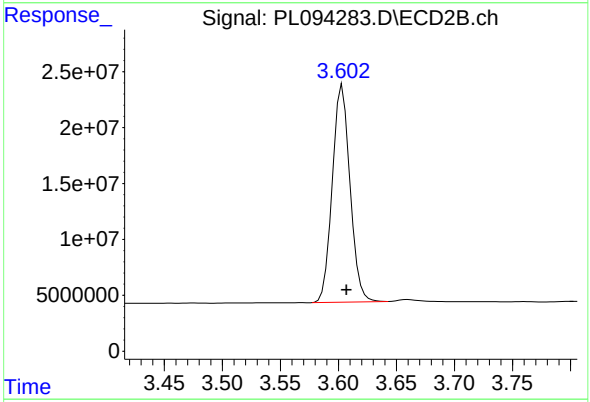
R.T.: 3.274 min
Delta R.T.: -0.003 min
Response: 216299097
Conc: 44.24 ng/ml



#3 gamma-BHC (Lindane)

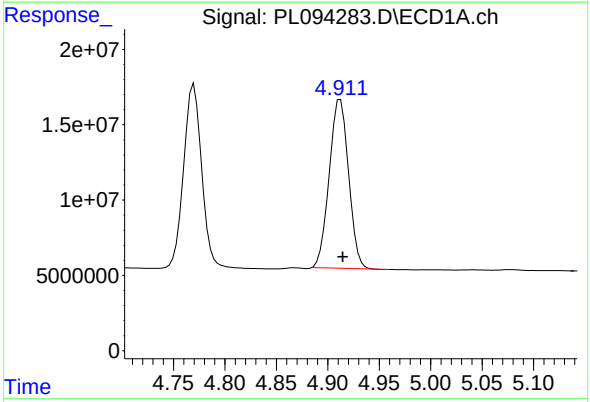
R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 152960122
Conc: 41.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS



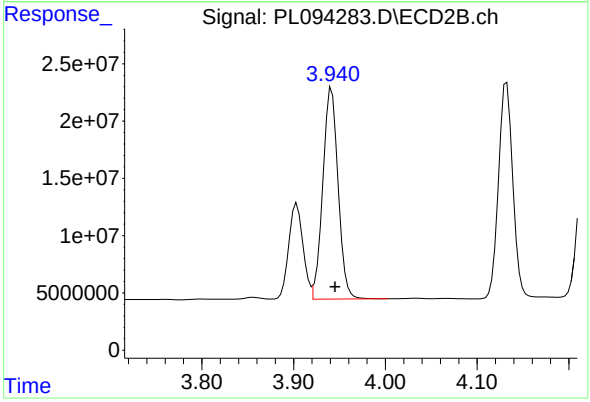
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: -0.004 min
Response: 206611615
Conc: 43.58 ng/ml



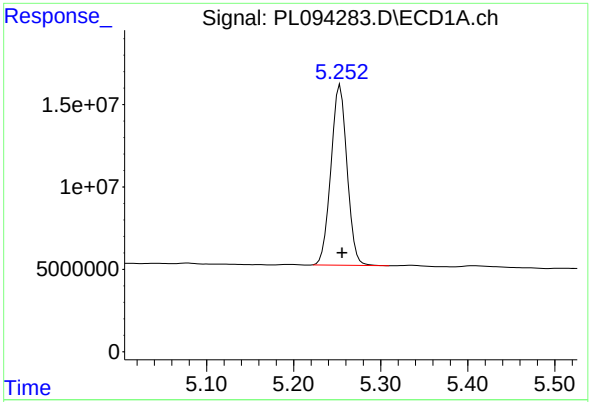
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: -0.002 min
Response: 146527768
Conc: 44.71 ng/ml



#4 Heptachlor

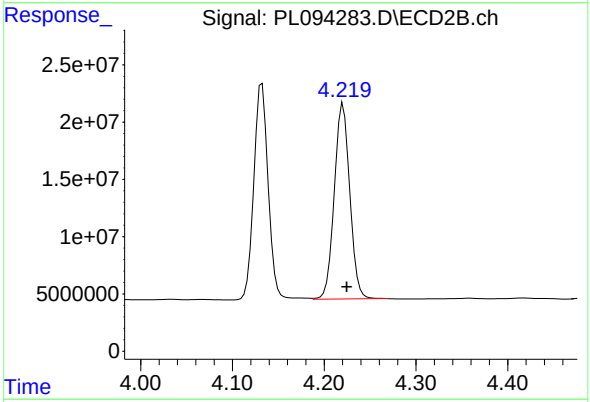
R.T.: 3.941 min
Delta R.T.: -0.004 min
Response: 213308463
Conc: 45.83 ng/ml



#5 Aldrin

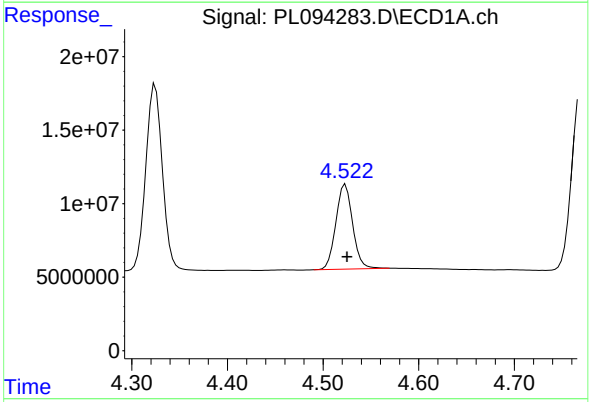
R.T.: 5.253 min
Delta R.T.: -0.002 min
Response: 140723800
Conc: 43.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS



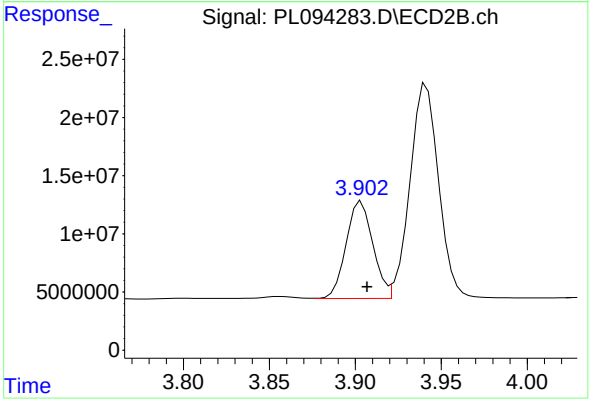
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: -0.004 min
Response: 200485763
Conc: 43.95 ng/ml



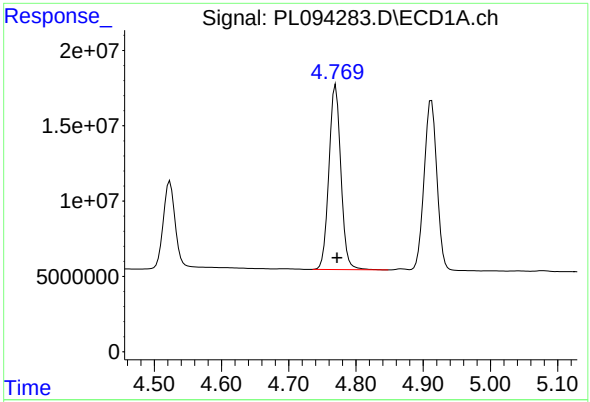
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 70548312
Conc: 43.89 ng/ml



#6 beta-BHC

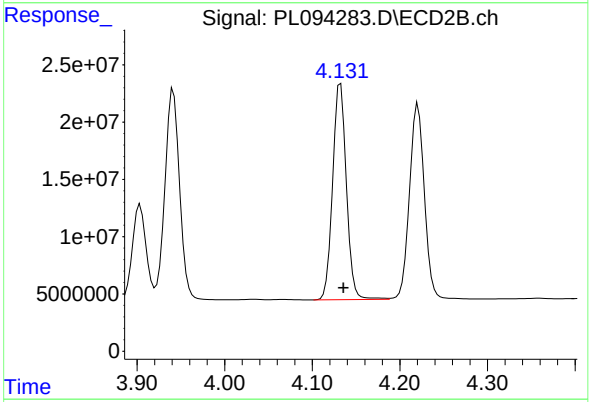
R.T.: 3.903 min
Delta R.T.: -0.003 min
Response: 90690778
Conc: 45.40 ng/ml



#7 delta-BHC

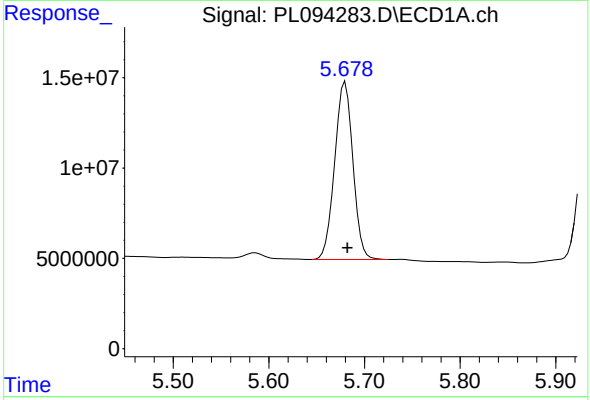
R.T.: 4.770 min
Delta R.T.: -0.002 min
Response: 150067682
Conc: 42.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS



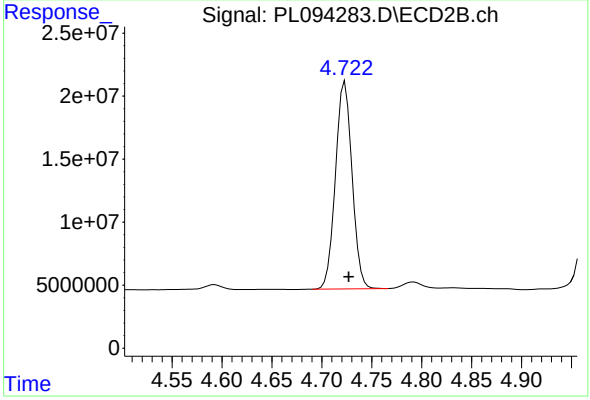
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.003 min
Response: 205884459
Conc: 43.33 ng/ml



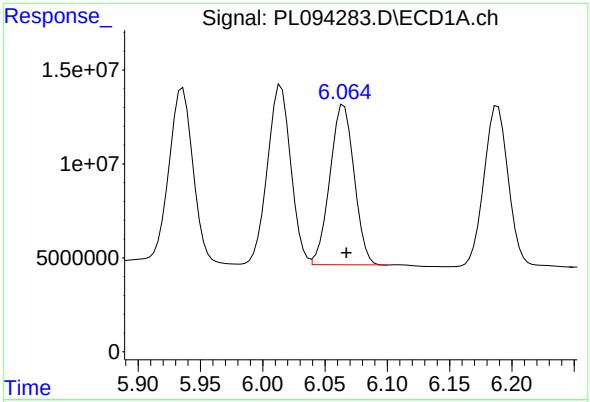
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.002 min
Response: 130480987
Conc: 43.88 ng/ml



#8 Heptachlor epoxide

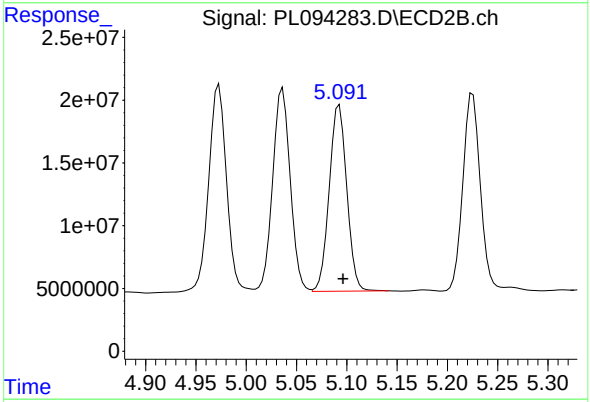
R.T.: 4.723 min
Delta R.T.: -0.004 min
Response: 190564032
Conc: 45.59 ng/ml



#9 Endosulfan I

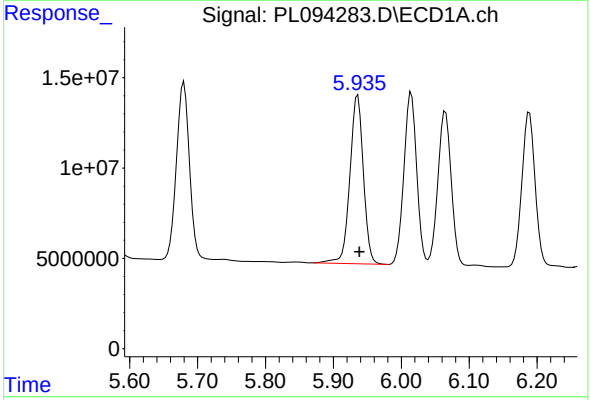
R.T.: 6.065 min
Delta R.T.: -0.002 min
Response: 115523010
Conc: 43.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS



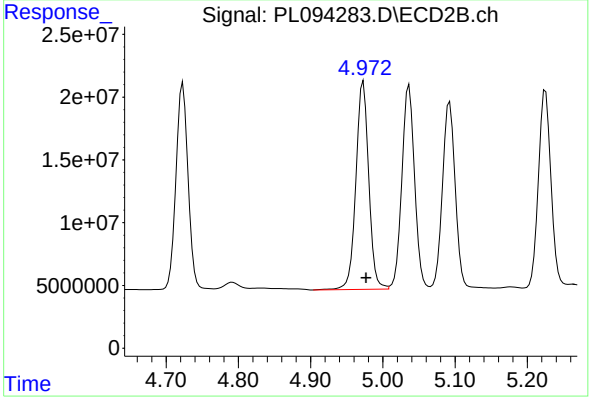
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: -0.004 min
Response: 180154864
Conc: 46.47 ng/ml



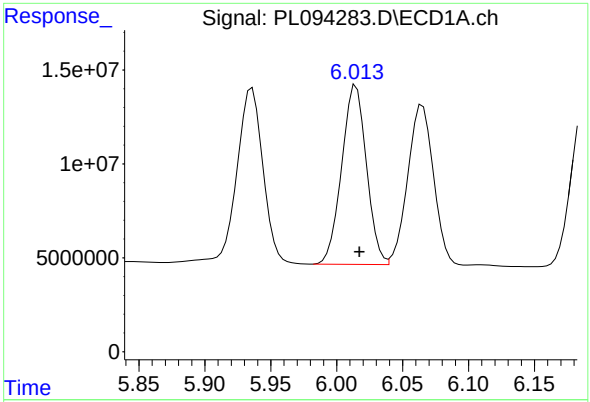
#10 gamma-Chlordane

R.T.: 5.936 min
Delta R.T.: -0.002 min
Response: 129186256
Conc: 46.35 ng/ml



#10 gamma-Chlordane

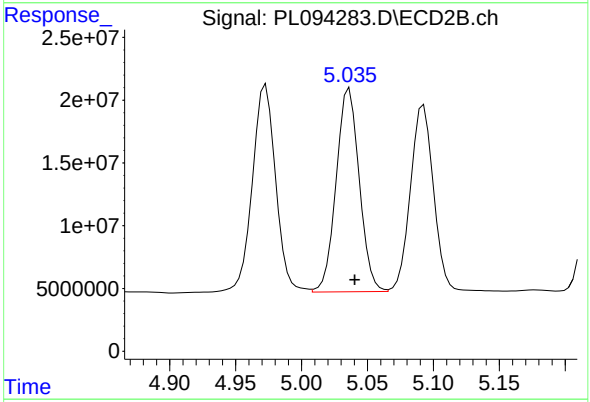
R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 205302048
Conc: 48.45 ng/ml



#11 alpha-Chlordane

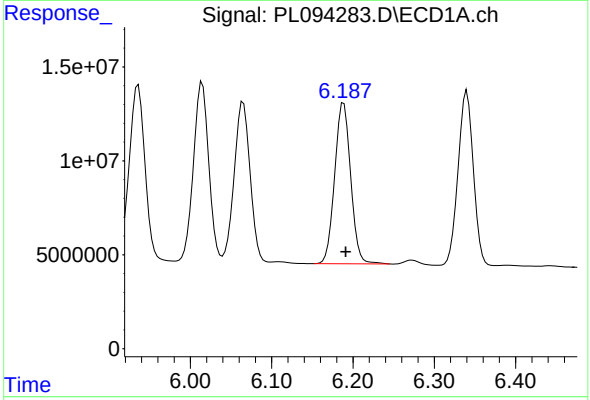
R.T.: 6.015 min
Delta R.T.: -0.003 min
Response: 124564375
Conc: 44.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS



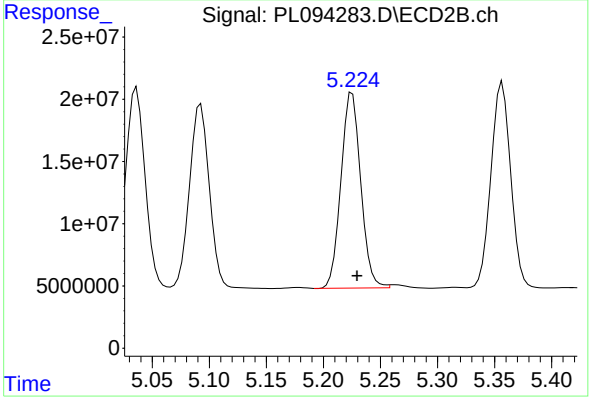
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: -0.004 min
Response: 197658395
Conc: 47.21 ng/ml



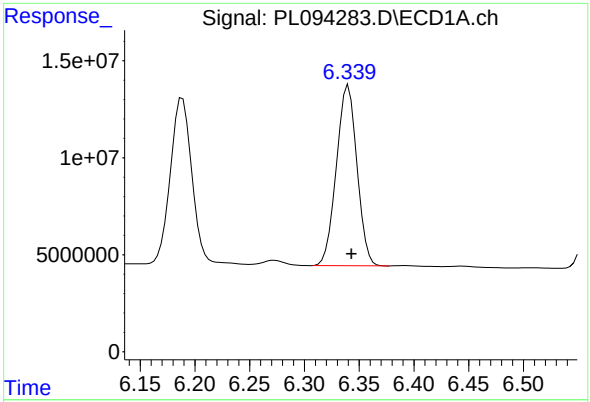
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.003 min
Response: 117070831
Conc: 48.09 ng/ml



#12 4,4'-DDE

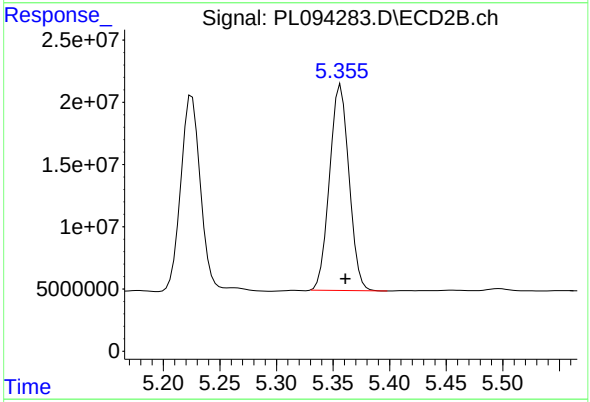
R.T.: 5.225 min
Delta R.T.: -0.004 min
Response: 189277791
Conc: 47.21 ng/ml



#13 Dieldrin

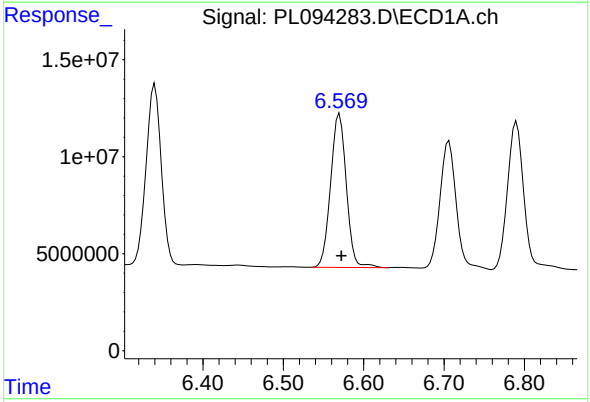
R.T.: 6.340 min
Delta R.T.: -0.003 min
Response: 121726184
Conc: 43.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS



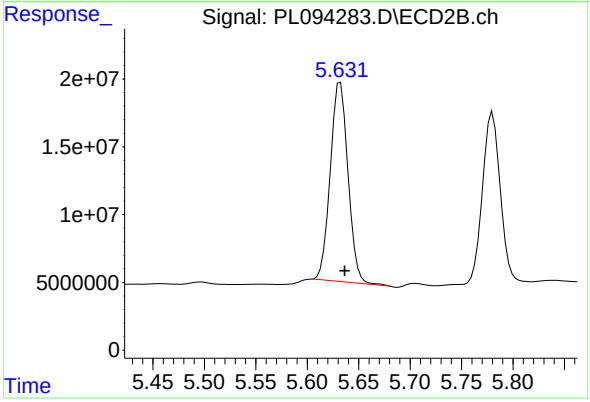
#13 Dieldrin

R.T.: 5.357 min
Delta R.T.: -0.004 min
Response: 197896568
Conc: 46.07 ng/ml



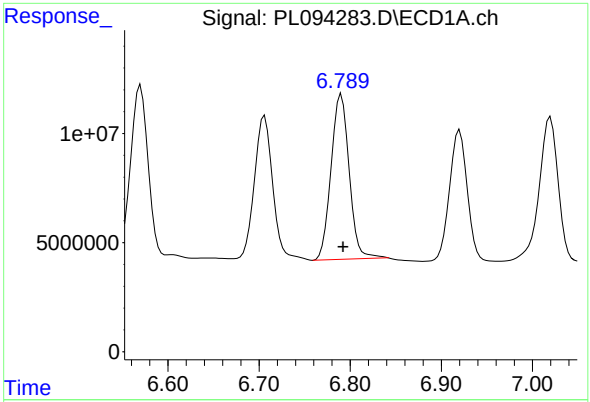
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.002 min
Response: 107670557
Conc: 45.92 ng/ml



#14 Endrin

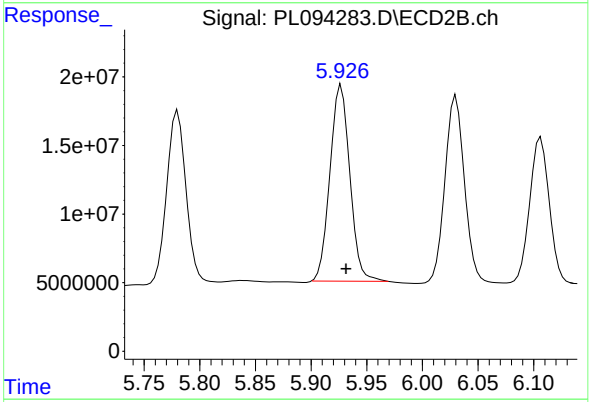
R.T.: 5.632 min
Delta R.T.: -0.004 min
Response: 175672003
Conc: 47.57 ng/ml



#15 Endosulfan II

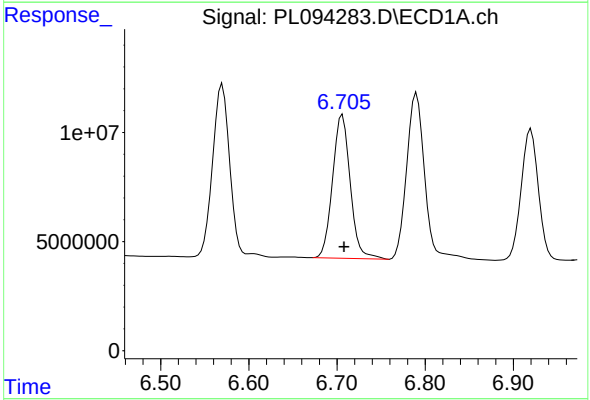
R.T.: 6.790 min
Delta R.T.: -0.002 min
Response: 104339123
Conc: 43.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS



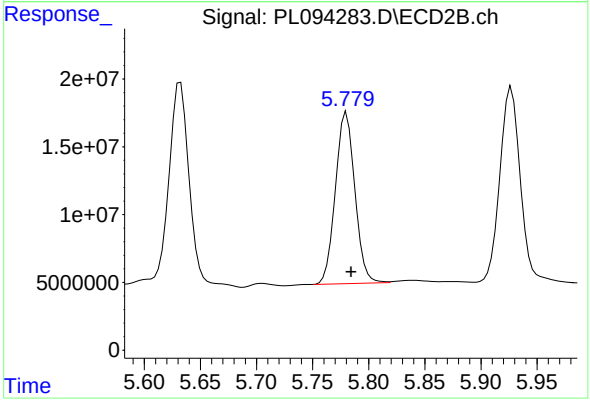
#15 Endosulfan II

R.T.: 5.927 min
Delta R.T.: -0.004 min
Response: 178135098
Conc: 48.09 ng/ml



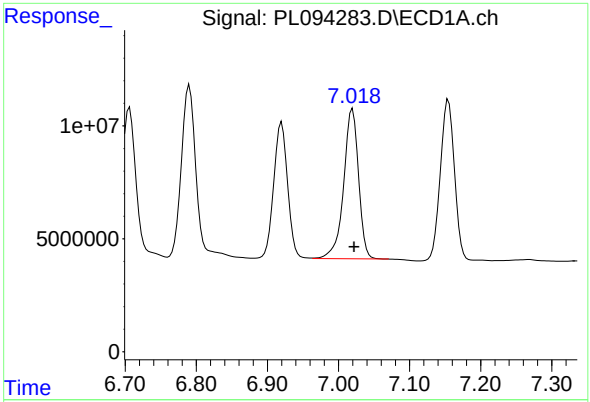
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.002 min
Response: 91750668
Conc: 48.28 ng/ml



#16 4,4'-DDD

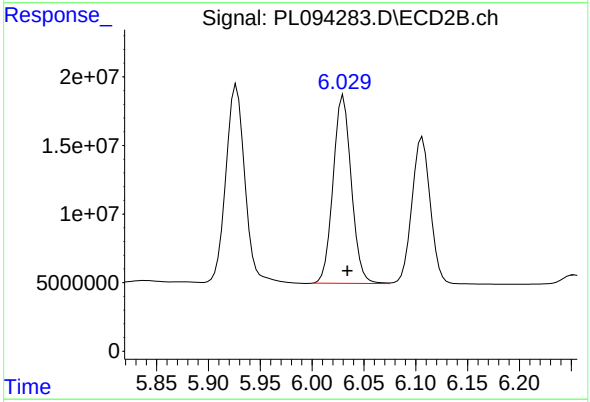
R.T.: 5.780 min
Delta R.T.: -0.004 min
Response: 152699765
Conc: 48.38 ng/ml



#17 4,4'-DDT

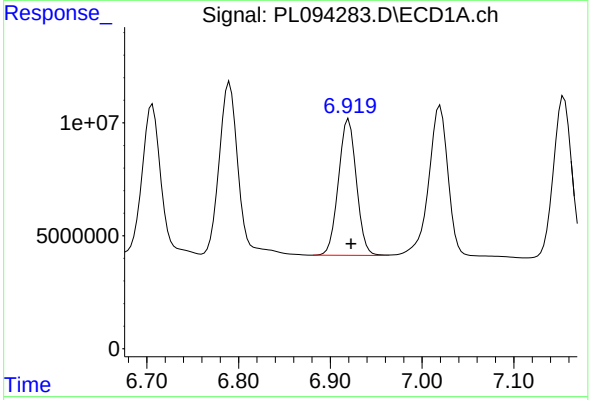
R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 96974064
Conc: 49.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS



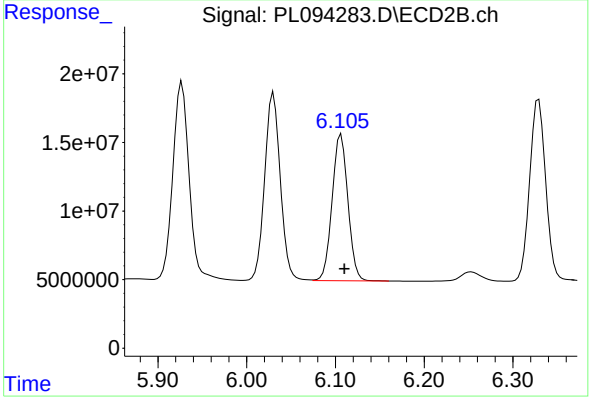
#17 4,4'-DDT

R.T.: 6.030 min
Delta R.T.: -0.004 min
Response: 167303417
Conc: 51.41 ng/ml



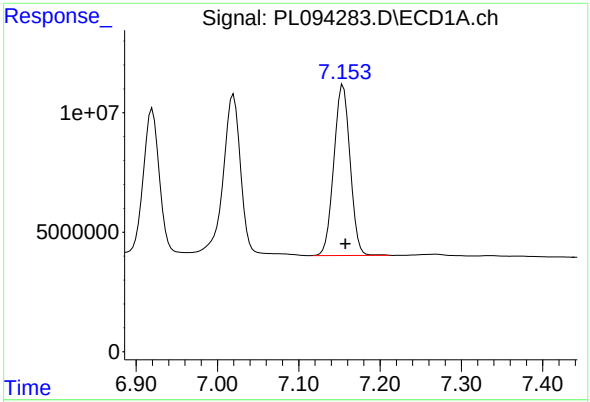
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: -0.003 min
Response: 81934870
Conc: 42.15 ng/ml



#18 Endrin aldehyde

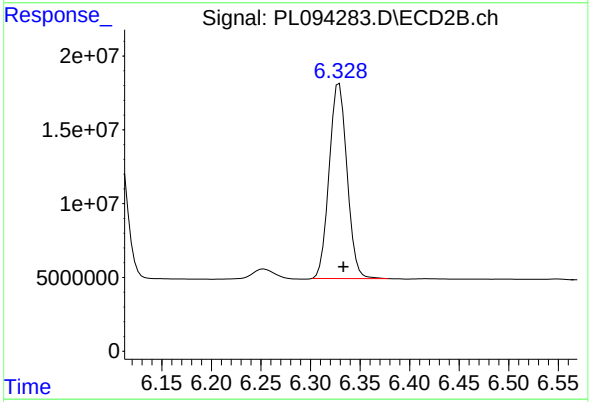
R.T.: 6.106 min
Delta R.T.: -0.004 min
Response: 131668853
Conc: 43.25 ng/ml



#19 Endosulfan Sulfate

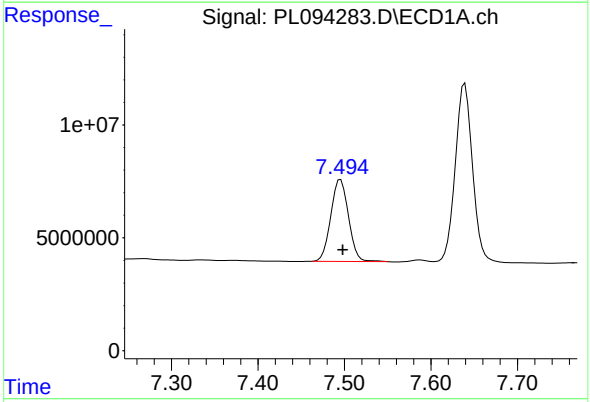
R.T.: 7.155 min
Delta R.T.: -0.003 min
Response: 99038645
Conc: 43.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS



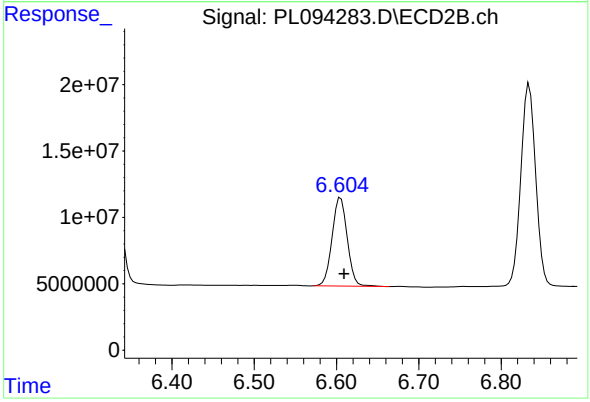
#19 Endosulfan Sulfate

R.T.: 6.329 min
Delta R.T.: -0.004 min
Response: 165756201
Conc: 46.48 ng/ml



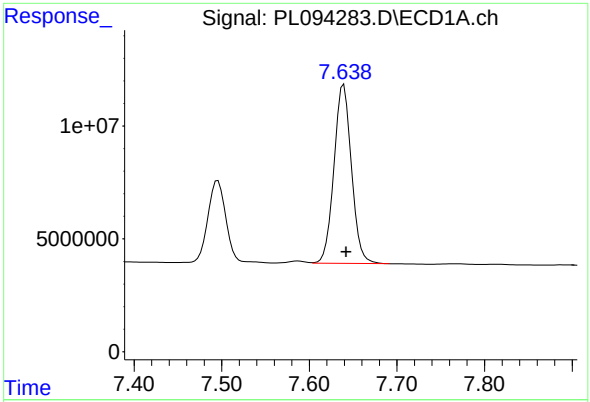
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: -0.002 min
Response: 51457324
Conc: 49.32 ng/ml



#20 Methoxychlor

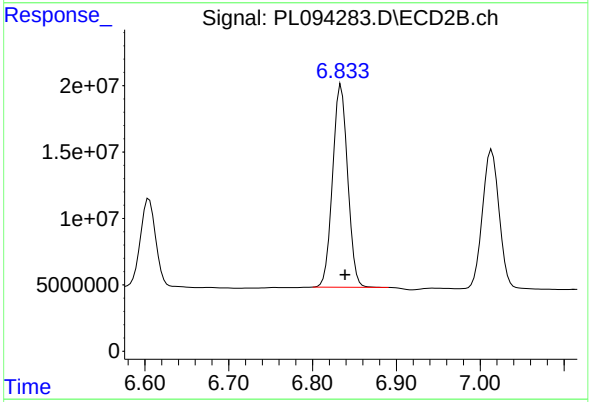
R.T.: 6.605 min
Delta R.T.: -0.004 min
Response: 85483045
Conc: 47.81 ng/ml



#21 Endrin ketone

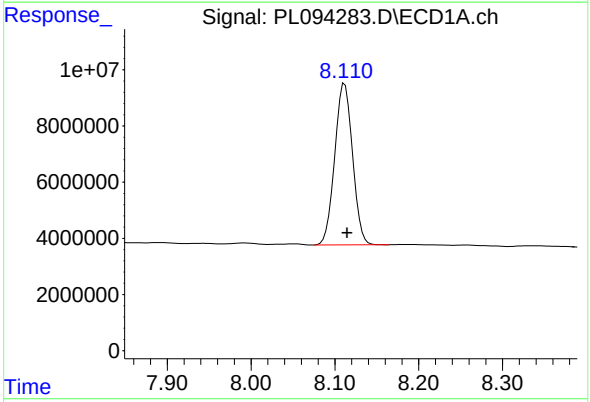
R.T.: 7.639 min
Delta R.T.: -0.003 min
Response: 109861111
Conc: 43.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS



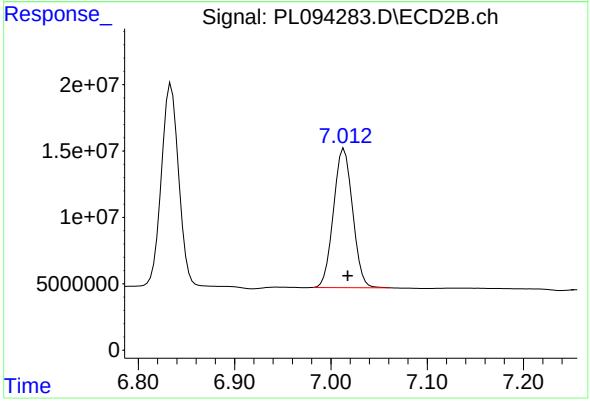
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: -0.005 min
Response: 190312468
Conc: 45.36 ng/ml



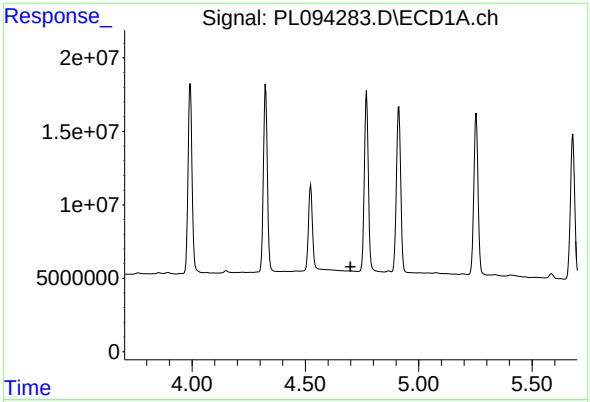
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.003 min
Response: 84910182
Conc: 40.77 ng/ml



#22 Mirex

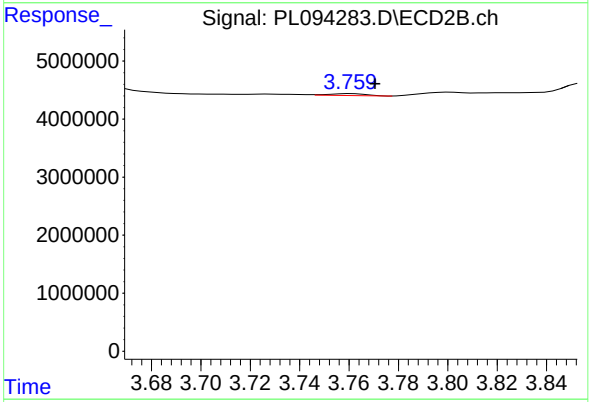
R.T.: 7.014 min
Delta R.T.: -0.004 min
Response: 144379522
Conc: 42.69 ng/ml



#23 Chlordane-1

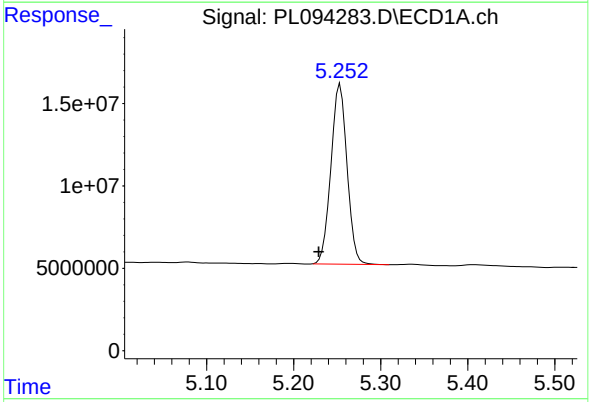
R.T.: 0.000 min
Exp R.T. : 4.700 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS



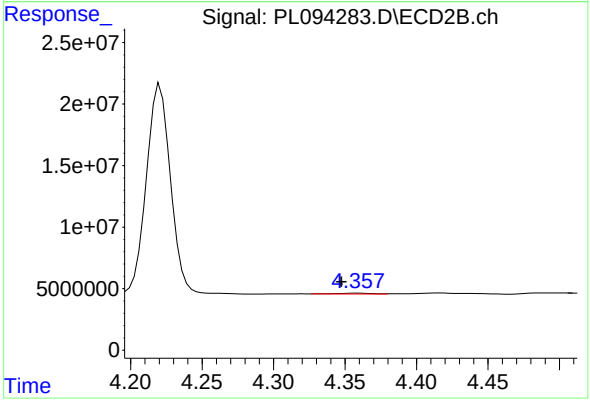
#23 Chlordane-1

R.T.: 3.761 min
Delta R.T.: -0.010 min
Response: 353599
Conc: 2.83 ng/ml



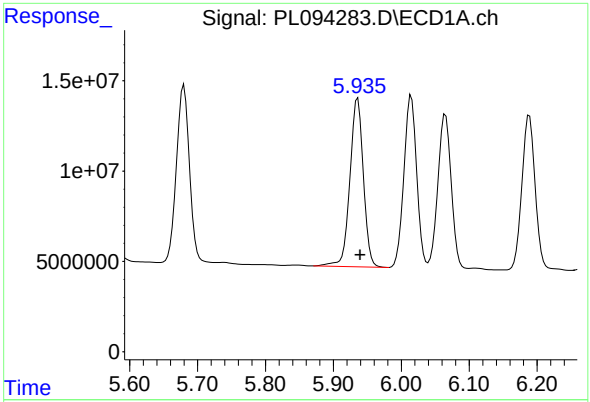
#24 Chlordane-2

R.T.: 5.253 min
Delta R.T.: 0.024 min
Response: 140723800
Conc: 1201.94 ng/ml



#24 Chlordane-2

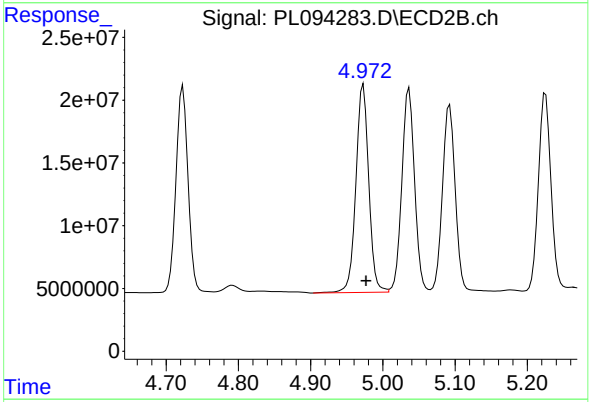
R.T.: 4.359 min
Delta R.T.: 0.011 min
Response: 1136640
Conc: 7.75 ng/ml



#25 Chlordane-3

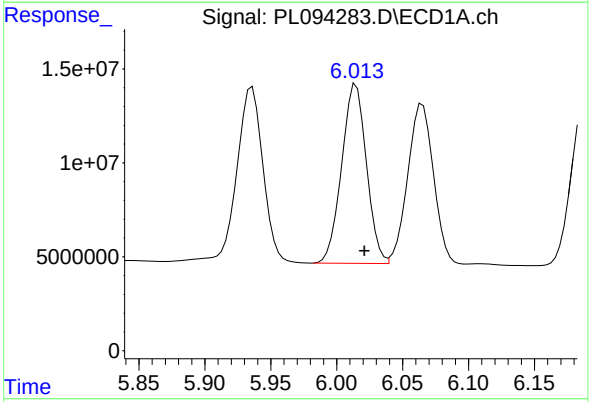
R.T.: 5.936 min
Delta R.T.: -0.003 min
Response: 129186256
Conc: 329.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS



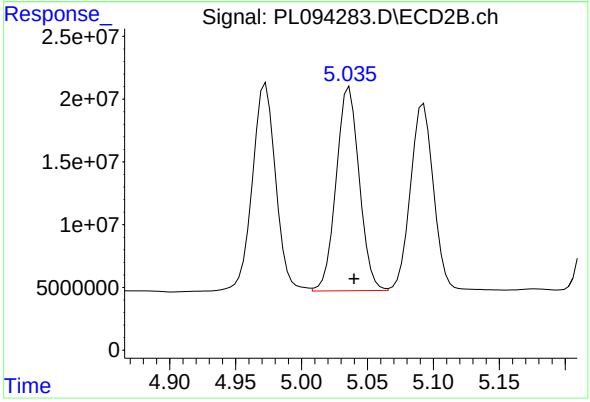
#25 Chlordane-3

R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 205302048
Conc: 472.15 ng/ml



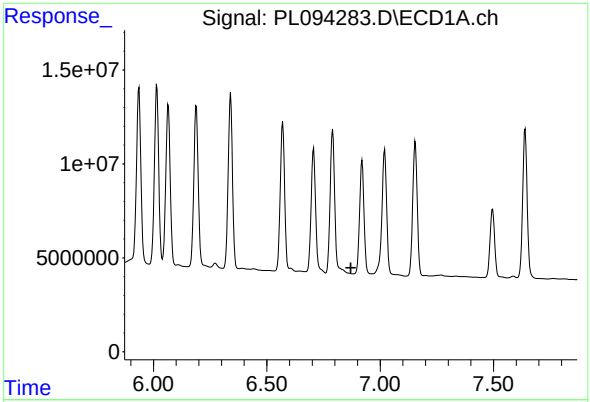
#26 Chlordane-4

R.T.: 6.015 min
Delta R.T.: -0.006 min
Response: 124564375
Conc: 264.97 ng/ml



#26 Chlordane-4

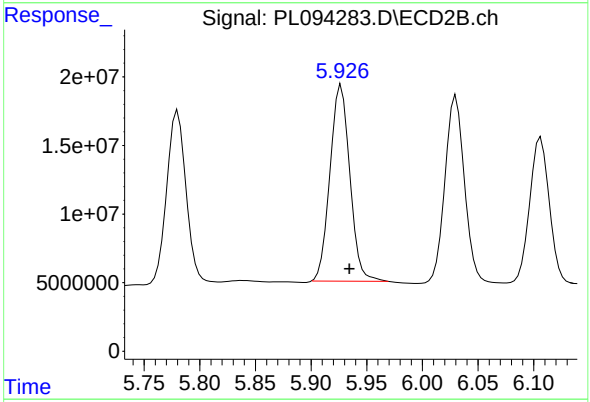
R.T.: 5.036 min
Delta R.T.: -0.004 min
Response: 197658395
Conc: 466.54 ng/ml



#27 Chlordane-5

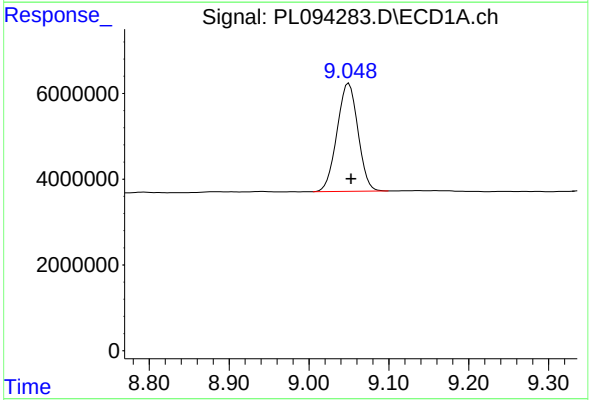
R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MS



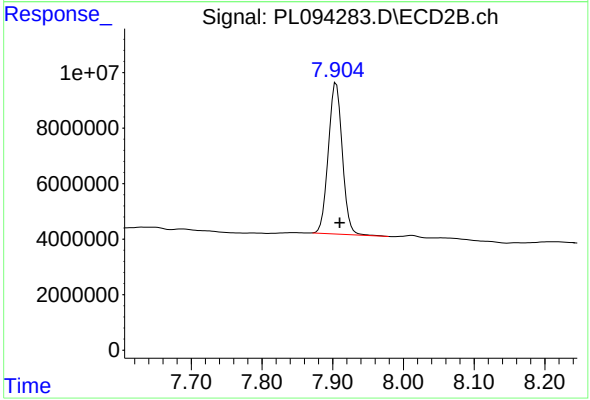
#27 Chlordane-5

R.T.: 5.927 min
Delta R.T.: -0.007 min
Response: 178135098
Conc: 1163.04 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 45917399
Conc: 21.95 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 74745275
Conc: 21.33 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094285.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 20:57
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:18:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound		RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds								
1)	SA	Tetrachlo...	3.537	2.772	54299102	66826345	20.165	20.473	
28)	SA	Decachlor...	9.048	7.905	44464533	72770044	21.255	20.767	
	Target Compounds								
2)	A	alpha-BHC	3.992	3.273	40558871	48435103	10.579	9.907	
3)	MA	gamma-BHC...	4.325	3.603	38535752	45592917	10.464	9.616	
4)	MA	Heptachlor	0.000	3.974f	0	120524	N.D.	0.026	#
5)	MB	Aldrin	0.000	4.235	0	209903	N.D.	0.046	#
6)	B	beta-BHC	4.523	3.904	18099612	22340519	11.261	11.185	
7)	B	delta-BHC	0.000	4.137	0	200856	N.D.	0.042	#
8)	B	Heptachlo...	0.000	4.736	0	28305	N.D.	0.007	#
9)	A	Endosulfan I	0.000	5.085	0	27115	N.D.	0.007	#
10)	B	gamma-Chl...	0.000	4.985	0	1026366	N.D.	0.242	#
11)	B	alpha-Chl...	0.000	5.044	0	132541	N.D.	0.032	#
12)	B	4,4'-DDE	0.000	5.228	0	483896	N.D.	0.121	#
13)	MA	Dieldrin	0.000	5.368	0	217791	N.D.	0.051	#
14)	MA	Endrin	6.570	5.632	106.7E6	179.0E6	45.490	48.479	
15)	B	Endosulfa...	0.000	5.940	0	970882	N.D.	0.262	#
16)	A	4,4'-DDD	6.707	5.780	5597669	8407604	2.945	2.664	
17)	MA	4,4'-DDT	7.021	6.030	190.8E6	364.4E6	96.731	111.976	
18)	B	Endrin al...	6.920	6.106	4012740	7168624	2.064	2.355	
19)	B	Endosulfa...	0.000	6.314f	0	265208	N.D.	0.074	#
20)	A	Methoxychlor	7.497	6.605	239.6E6	452.3E6	229.639	252.950	
21)	B	Endrin ke...	7.639	6.833	8285266	14407255	3.284	3.434	
22)		Mirex	0.000	6.998f	0	159393	N.D.	0.047	#
23)		Chlordane-1	0.000	3.757	0	104638	N.D.	0.838	#
24)		Chlordane-2	0.000	4.352	0	128400	N.D.	0.875	#
25)		Chlordane-3	0.000	4.985	0	1026366	N.D.	2.360	#
26)		Chlordane-4	0.000	5.044	0	132541	N.D.	0.313	#
27)		Chlordane-5	0.000	5.940	0	970882	N.D.	6.339	#

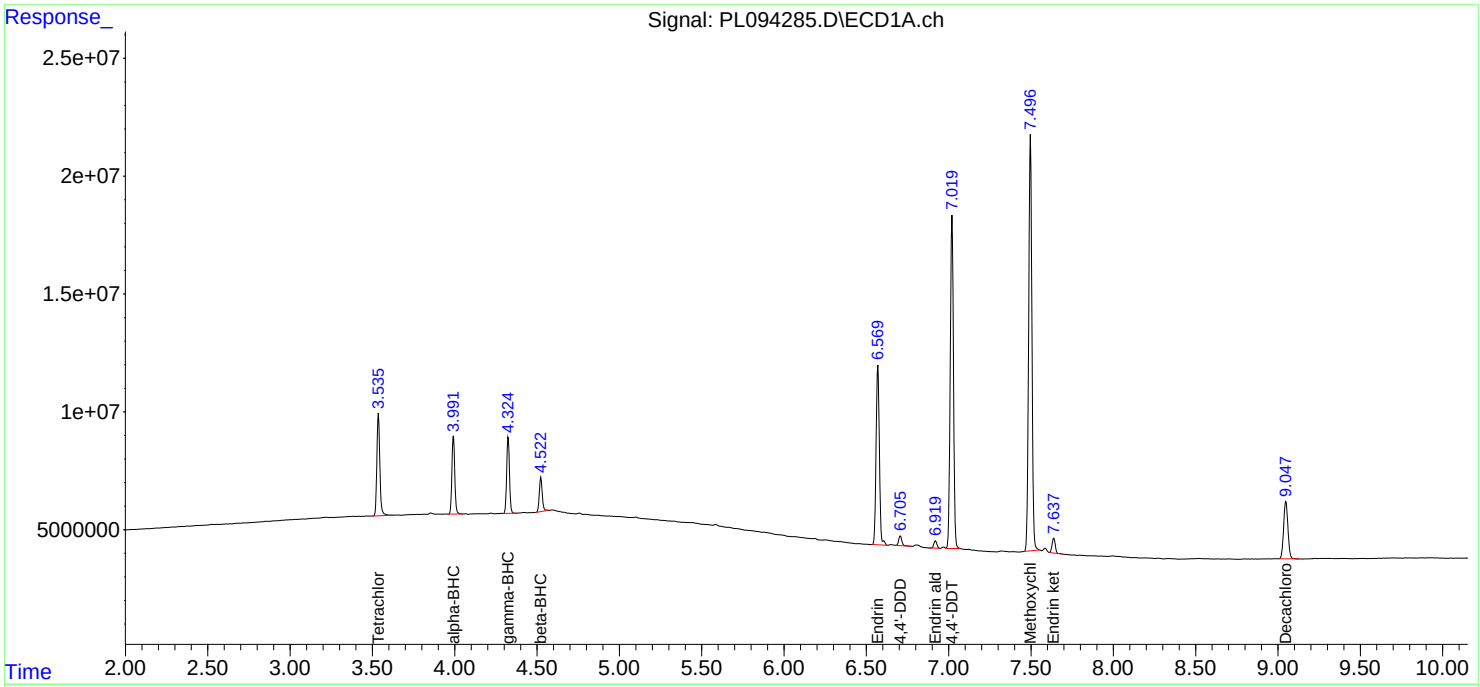
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

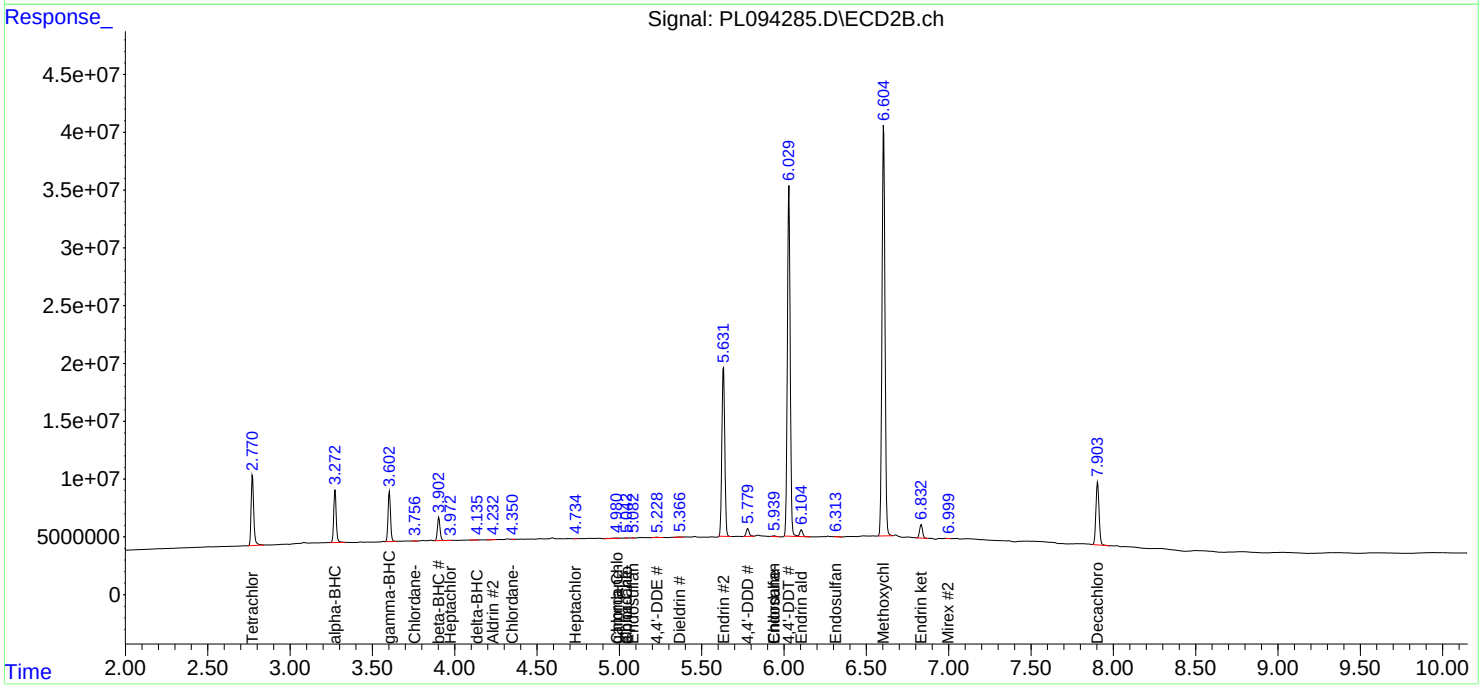
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094285.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 20:57
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

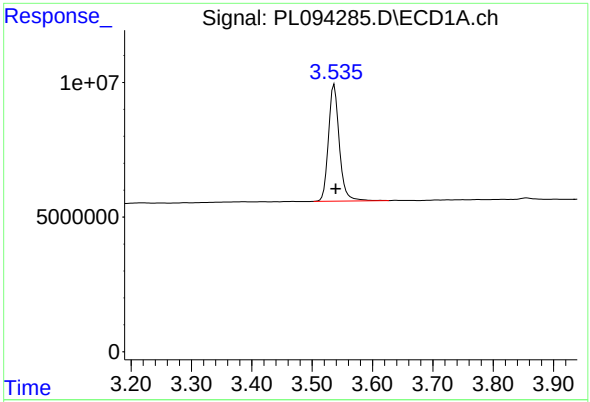
Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:18:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



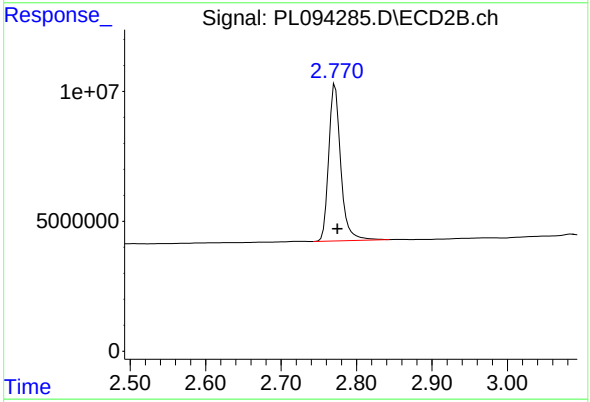




#1 Tetrachloro-m-xylene

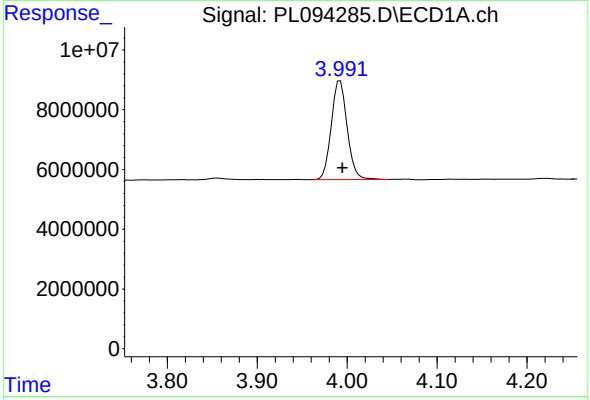
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 54299102
Conc: 20.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



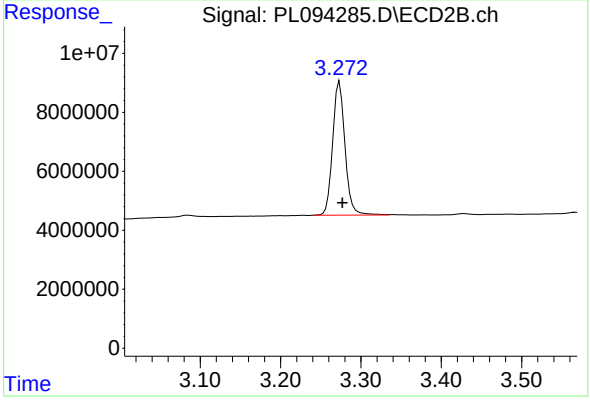
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 66826345
Conc: 20.47 ng/ml



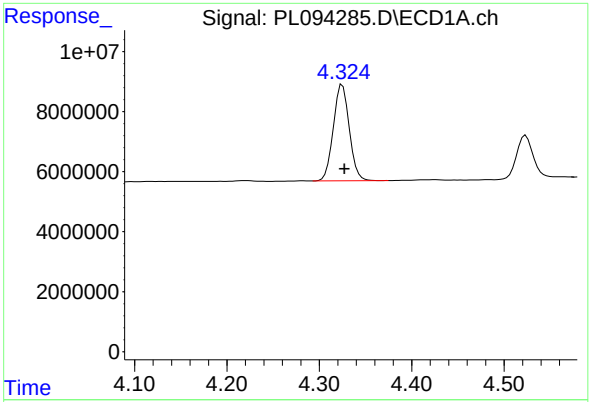
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 40558871
Conc: 10.58 ng/ml



#2 alpha-BHC

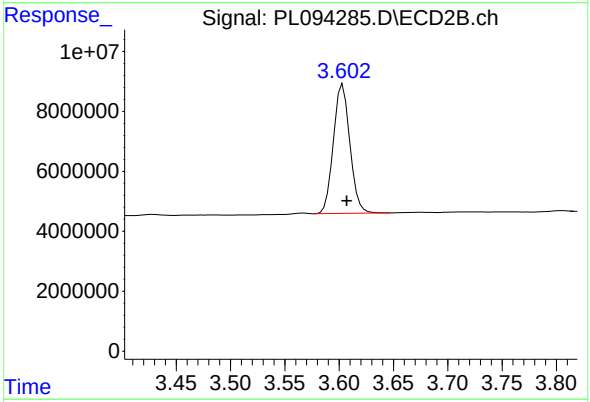
R.T.: 3.273 min
Delta R.T.: -0.003 min
Response: 48435103
Conc: 9.91 ng/ml



#3 gamma-BHC (Lindane)

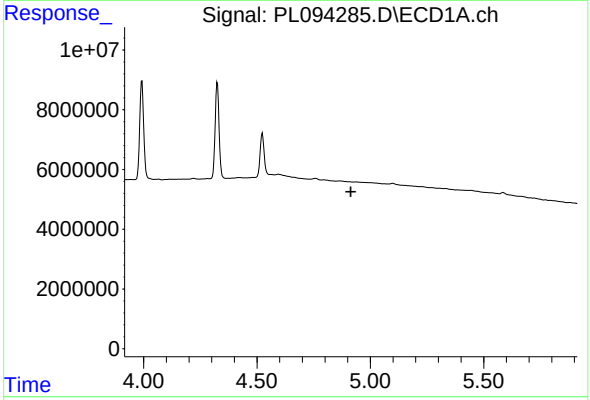
R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 38535752
Conc: 10.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



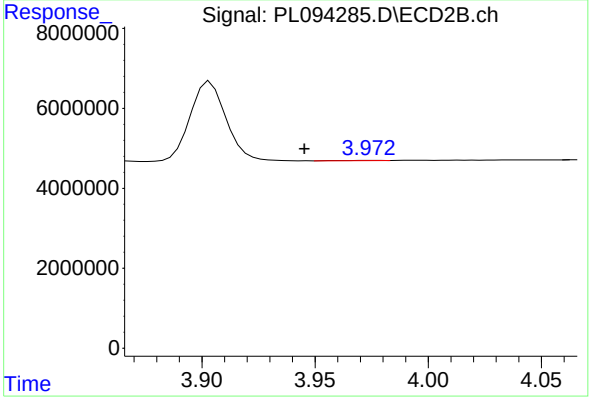
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.004 min
Response: 45592917
Conc: 9.62 ng/ml



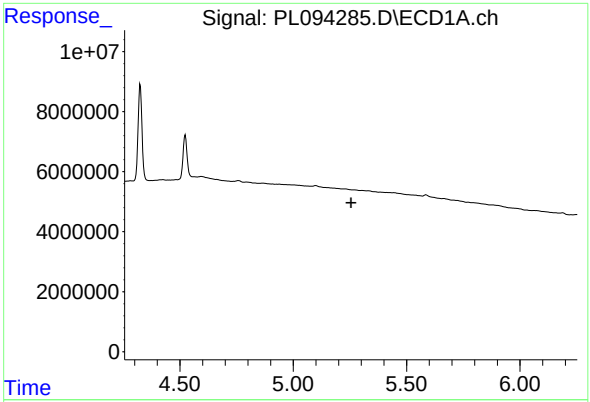
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.914 min
Response: 0
Conc: N.D.



#4 Heptachlor

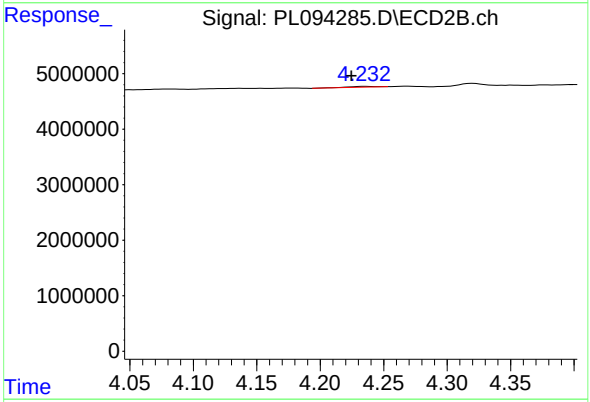
R.T.: 3.974 min
Delta R.T.: 0.029 min
Response: 120524
Conc: 0.03 ng/ml



#5 Aldrin

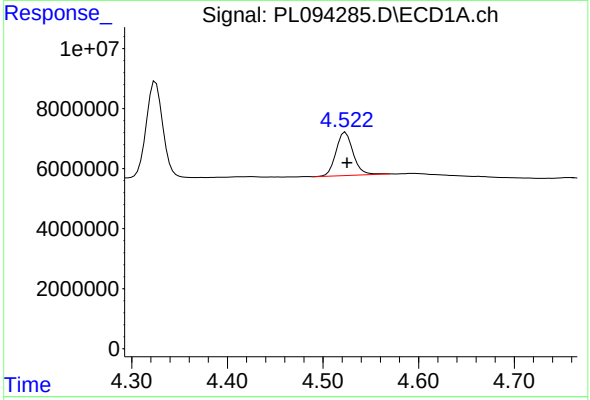
R.T.: 0.000 min
Exp R.T. : 5.256 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



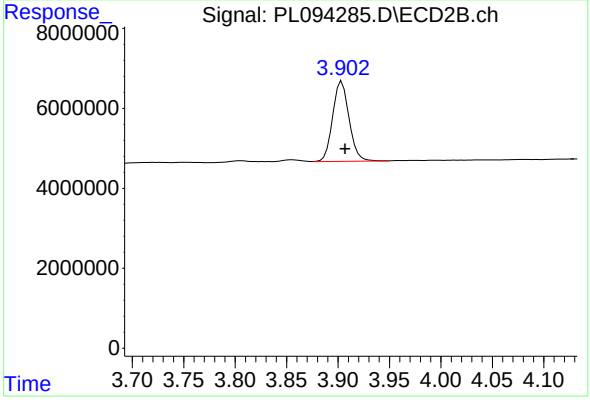
#5 Aldrin

R.T.: 4.235 min
Delta R.T.: 0.011 min
Response: 209903
Conc: 0.05 ng/ml



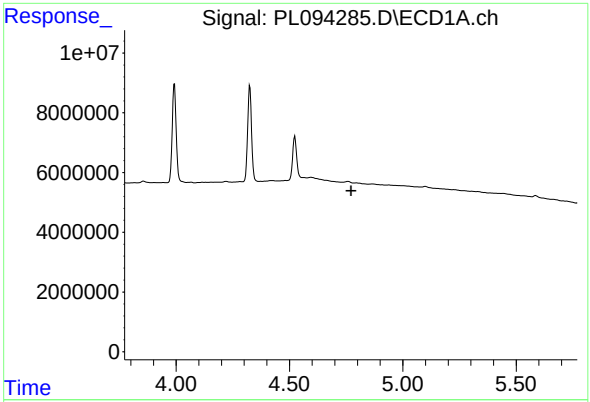
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 18099612
Conc: 11.26 ng/ml



#6 beta-BHC

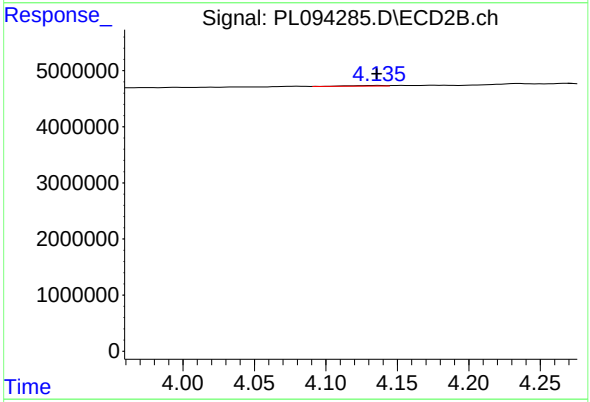
R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 22340519
Conc: 11.18 ng/ml



#7 delta-BHC

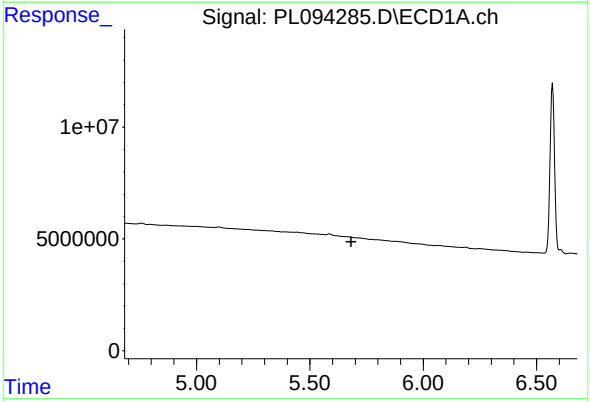
R.T.: 0.000 min
Exp R.T. : 4.772 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



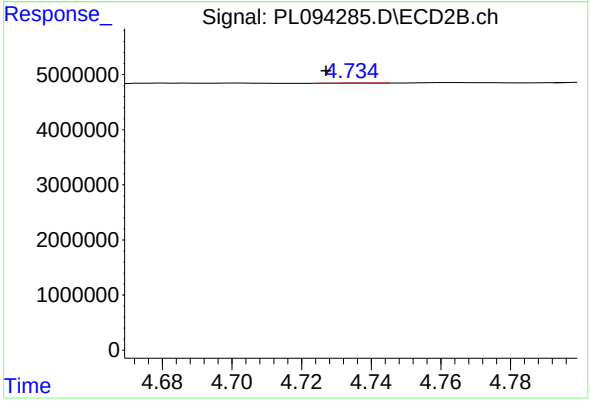
#7 delta-BHC

R.T.: 4.137 min
Delta R.T.: 0.000 min
Response: 200856
Conc: 0.04 ng/ml



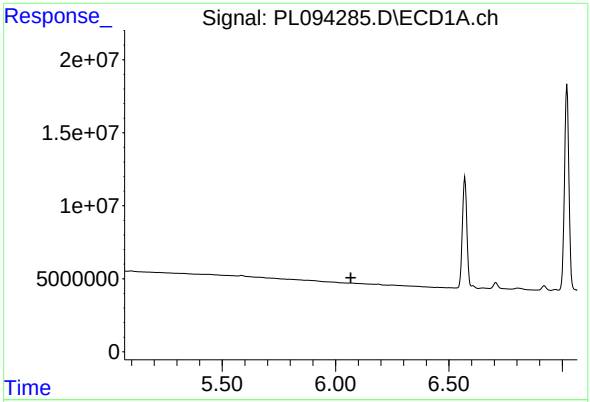
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 5.682 min
Response: 0
Conc: N.D.



#8 Heptachlor epoxide

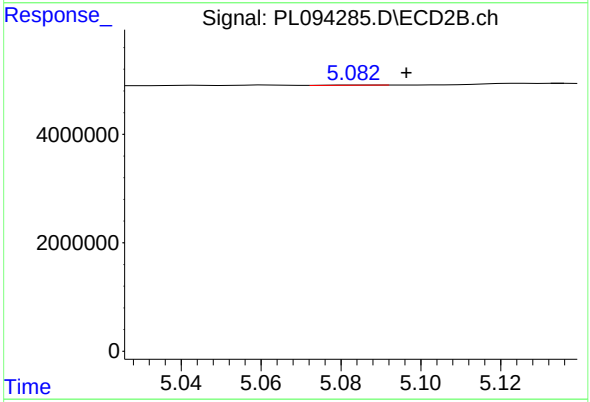
R.T.: 4.736 min
Delta R.T.: 0.009 min
Response: 28305
Conc: 0.01 ng/ml



#9 Endosulfan I

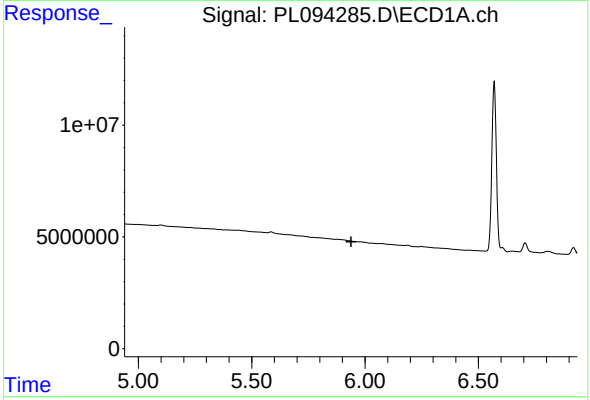
R.T.: 0.000 min
Exp R.T. : 6.067 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



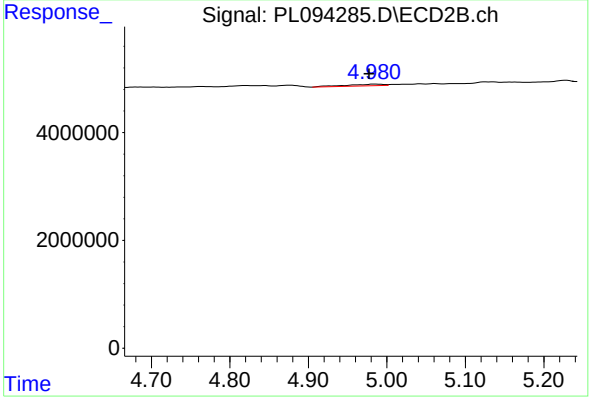
#9 Endosulfan I

R.T.: 5.085 min
Delta R.T.: -0.012 min
Response: 27115
Conc: 0.01 ng/ml



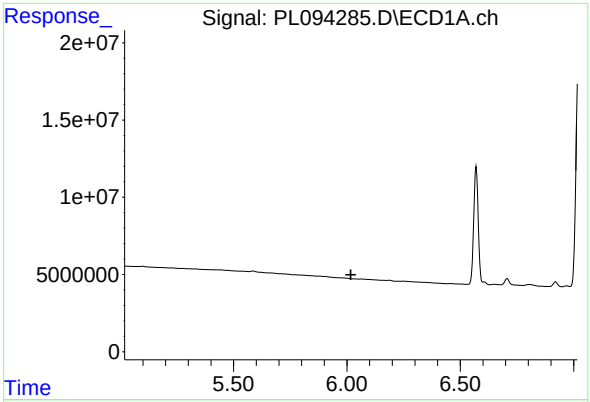
#10 gamma-Chlordane

R.T.: 0.000 min
Exp R.T. : 5.938 min
Response: 0
Conc: N.D.



#10 gamma-Chlordane

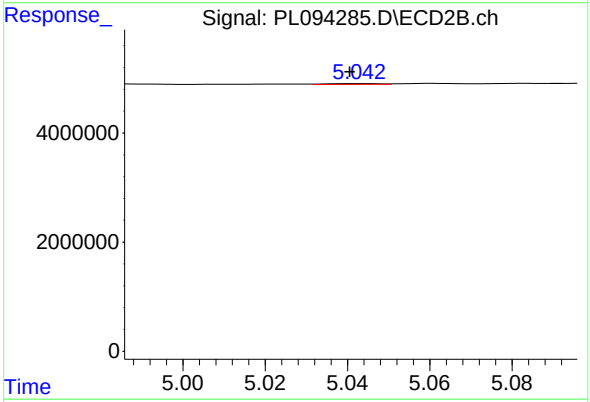
R.T.: 4.985 min
Delta R.T.: 0.008 min
Response: 1026366
Conc: 0.24 ng/ml



#11 alpha-Chlordane

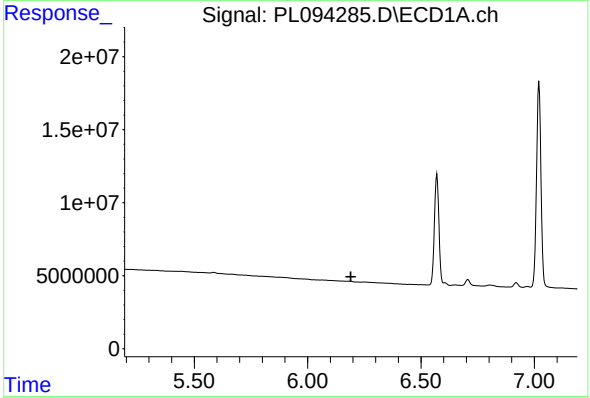
R.T.: 0.000 min
Exp R.T. : 6.017 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



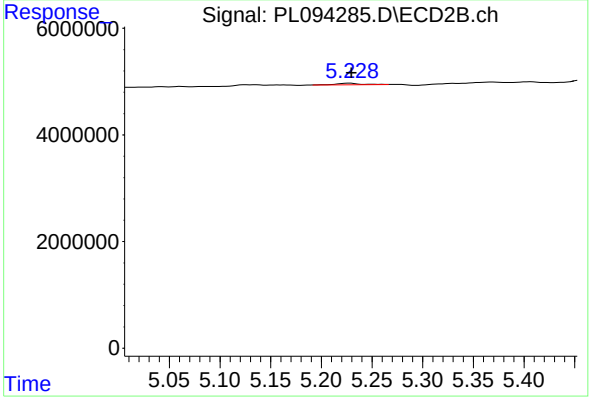
#11 alpha-Chlordane

R.T.: 5.044 min
Delta R.T.: 0.003 min
Response: 132541
Conc: 0.03 ng/ml



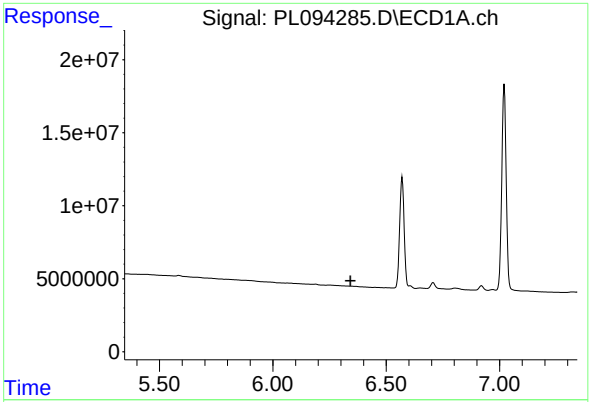
#12 4,4'-DDE

R.T.: 0.000 min
Exp R.T. : 6.191 min
Response: 0
Conc: N.D.



#12 4,4'-DDE

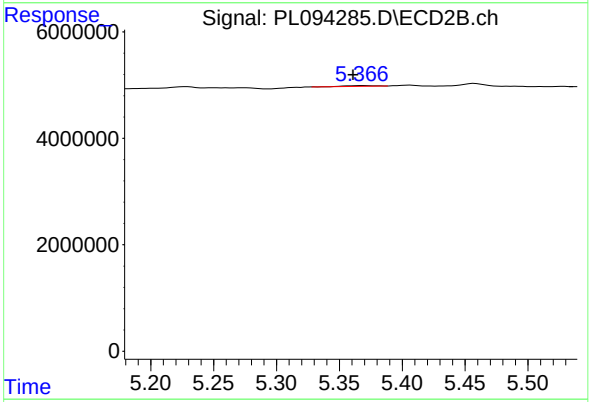
R.T.: 5.228 min
Delta R.T.: -0.001 min
Response: 483896
Conc: 0.12 ng/ml



#13 Dieldrin

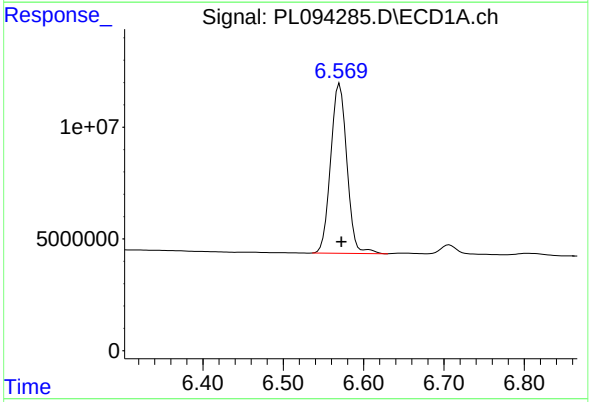
R.T.: 0.000 min
Exp R.T. : 6.343 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



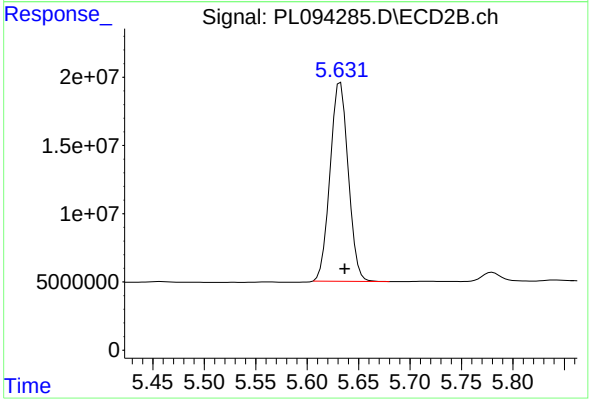
#13 Dieldrin

R.T.: 5.368 min
Delta R.T.: 0.008 min
Response: 217791
Conc: 0.05 ng/ml



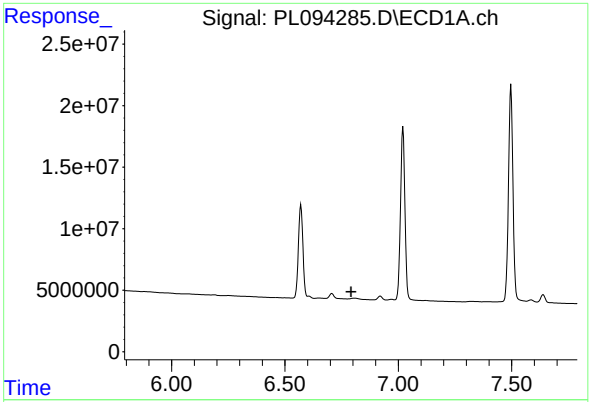
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.002 min
Response: 106666473
Conc: 45.49 ng/ml



#14 Endrin

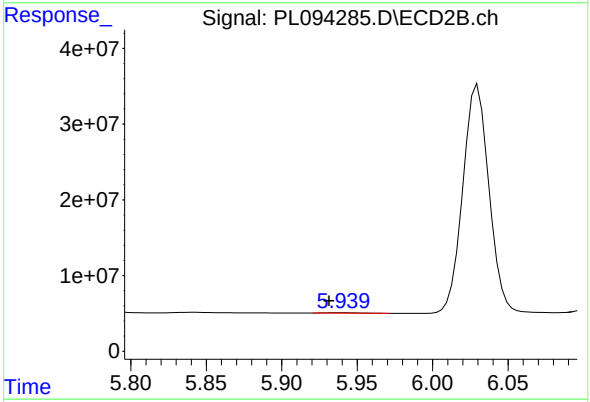
R.T.: 5.632 min
Delta R.T.: -0.004 min
Response: 179019042
Conc: 48.48 ng/ml



#15 Endosulfan II

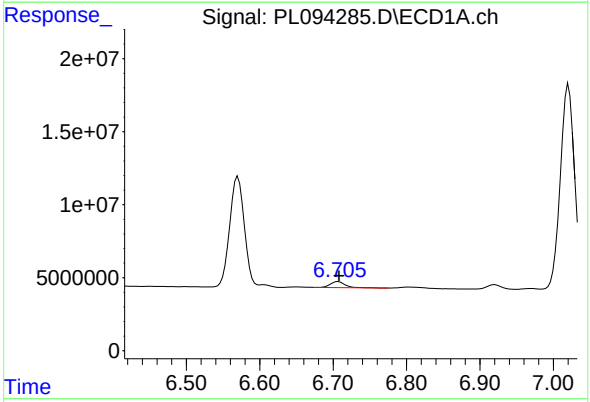
R.T.: 0.000 min
Exp R.T. : 6.792 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



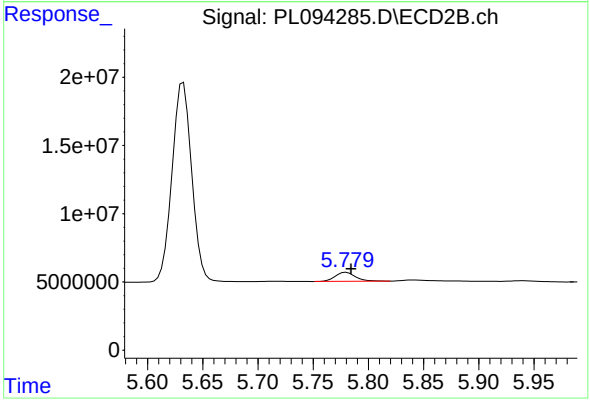
#15 Endosulfan II

R.T.: 5.940 min
Delta R.T.: 0.009 min
Response: 970882
Conc: 0.26 ng/ml



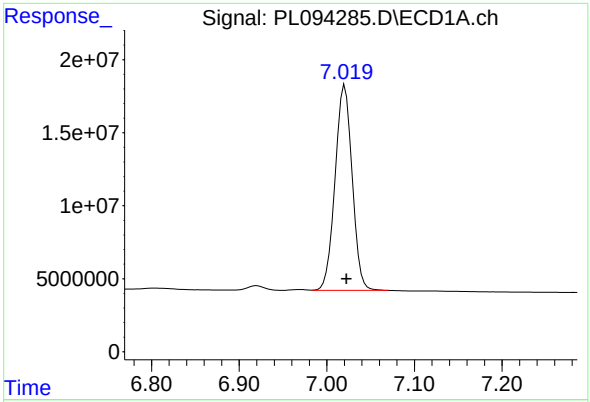
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.001 min
Response: 5597669
Conc: 2.95 ng/ml



#16 4,4'-DDD

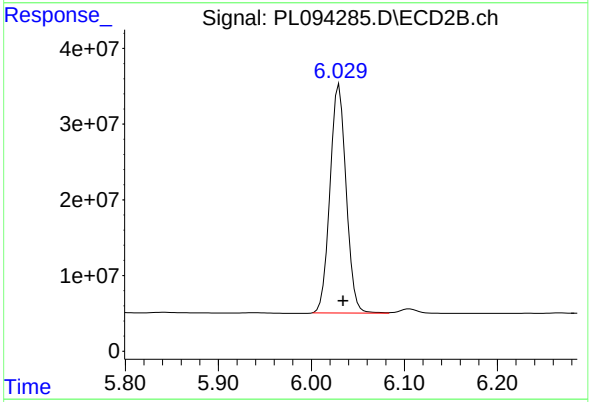
R.T.: 5.780 min
Delta R.T.: -0.004 min
Response: 8407604
Conc: 2.66 ng/ml



#17 4,4'-DDT

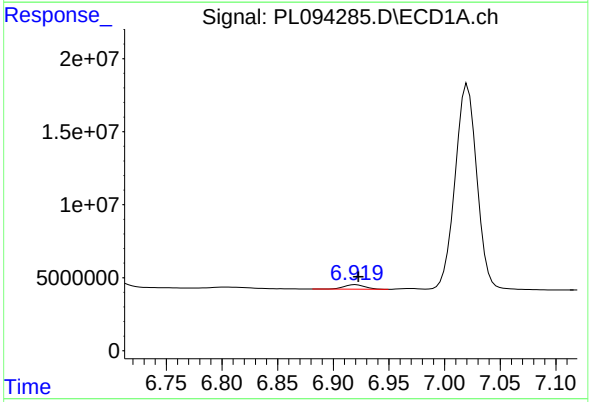
R.T.: 7.021 min
Delta R.T.: -0.002 min
Response: 190759011
Conc: 96.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



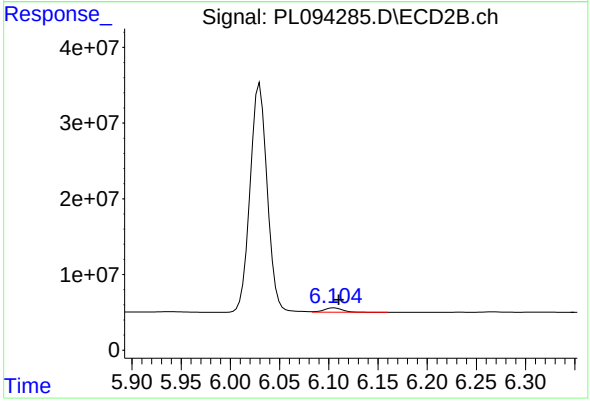
#17 4,4'-DDT

R.T.: 6.030 min
Delta R.T.: -0.004 min
Response: 364376510
Conc: 111.98 ng/ml



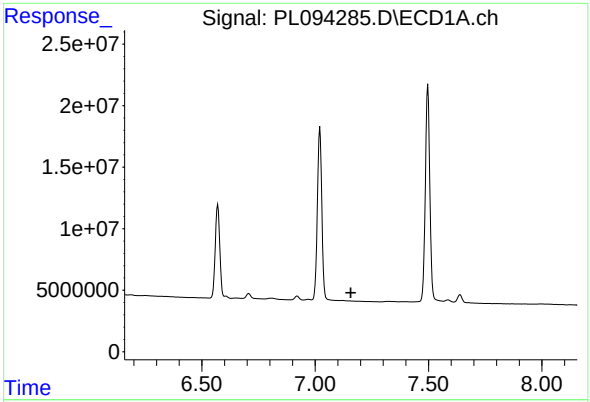
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: -0.003 min
Response: 4012740
Conc: 2.06 ng/ml



#18 Endrin aldehyde

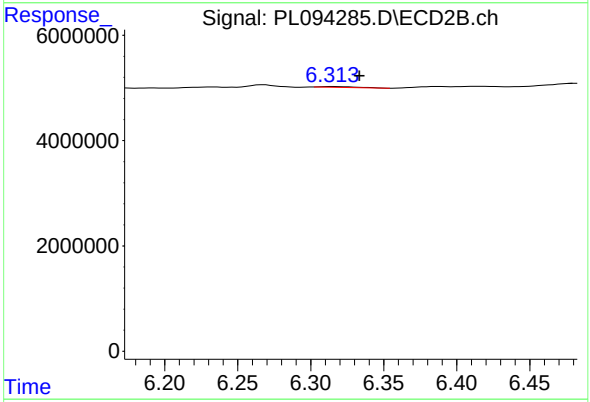
R.T.: 6.106 min
Delta R.T.: -0.004 min
Response: 7168624
Conc: 2.35 ng/ml



#19 Endosulfan Sulfate

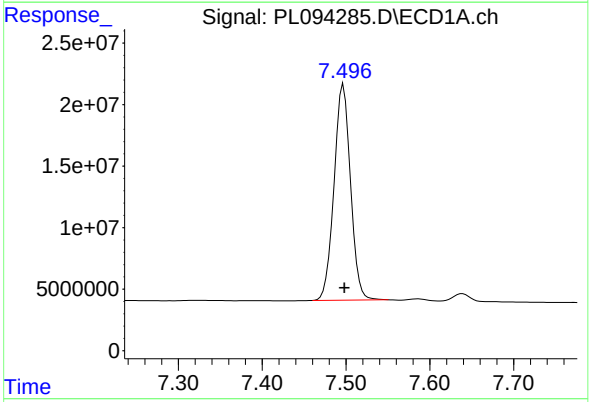
R.T.: 0.000 min
Exp R.T. : 7.157 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



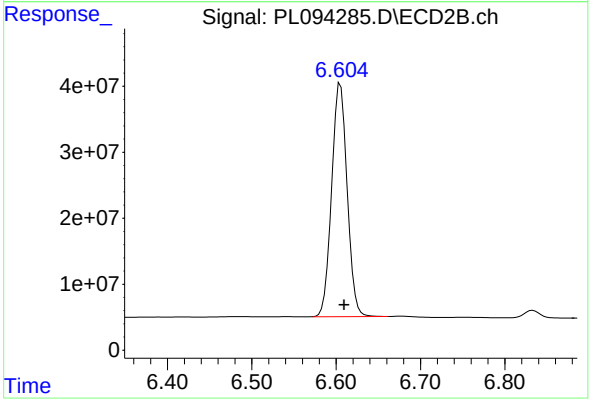
#19 Endosulfan Sulfate

R.T.: 6.314 min
Delta R.T.: -0.019 min
Response: 265208
Conc: 0.07 ng/ml



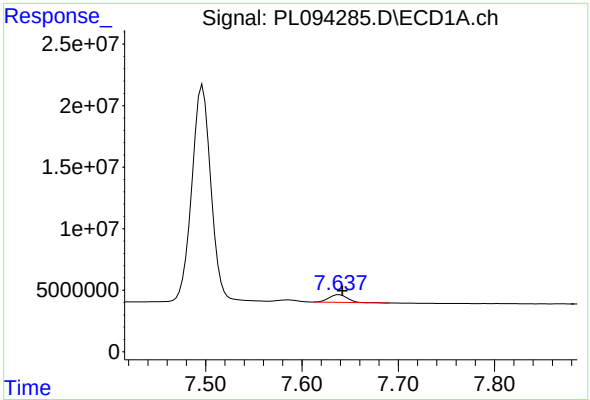
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.001 min
Response: 239605124
Conc: 229.64 ng/ml



#20 Methoxychlor

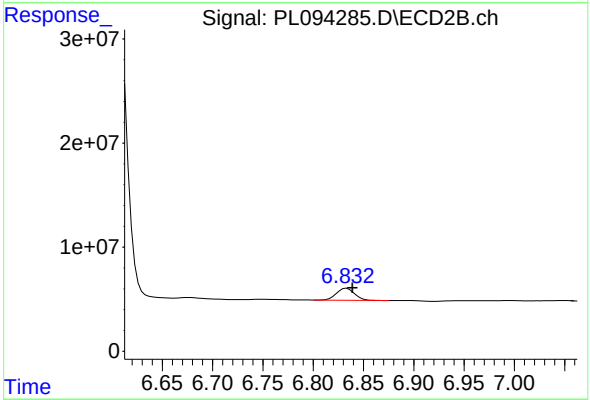
R.T.: 6.605 min
Delta R.T.: -0.004 min
Response: 452308530
Conc: 252.95 ng/ml



#21 Endrin ketone

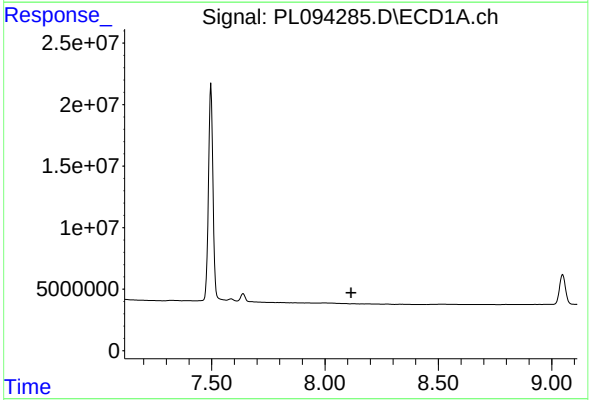
R.T.: 7.639 min
Delta R.T.: -0.003 min
Response: 8285266
Conc: 3.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



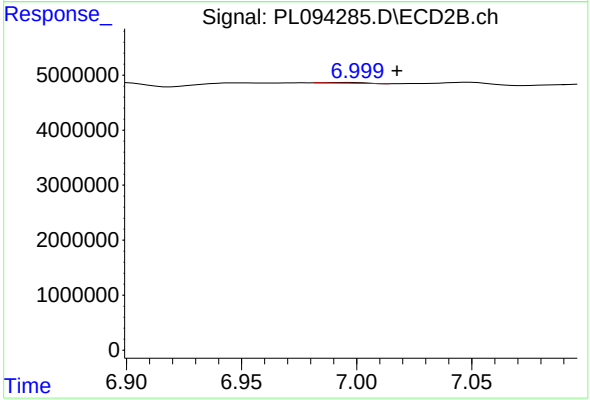
#21 Endrin ketone

R.T.: 6.833 min
Delta R.T.: -0.006 min
Response: 14407255
Conc: 3.43 ng/ml



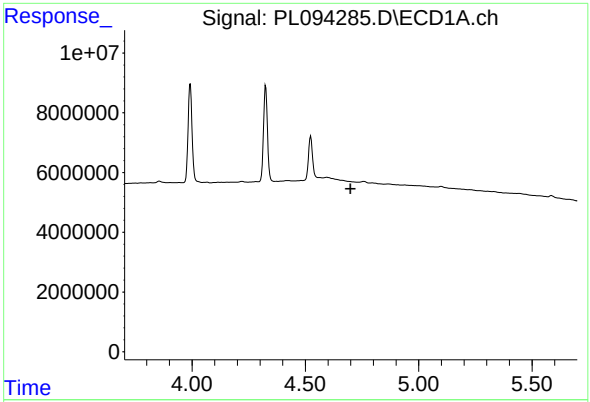
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.



#22 Mirex

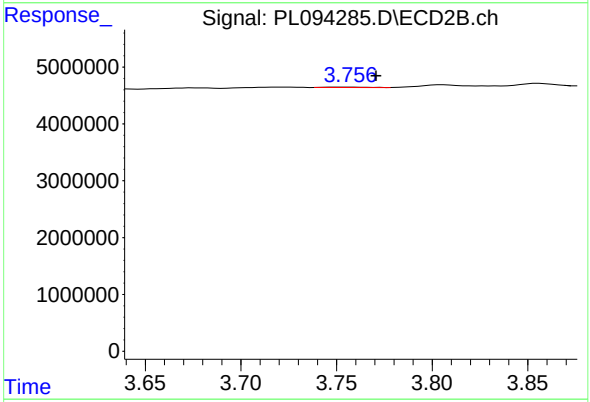
R.T.: 6.998 min
Delta R.T.: -0.019 min
Response: 159393
Conc: 0.05 ng/ml



#23 Chlordane-1

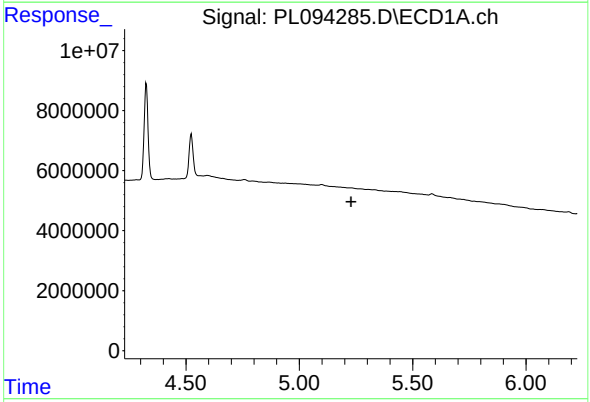
R.T.: 0.000 min
Exp R.T. : 4.700 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



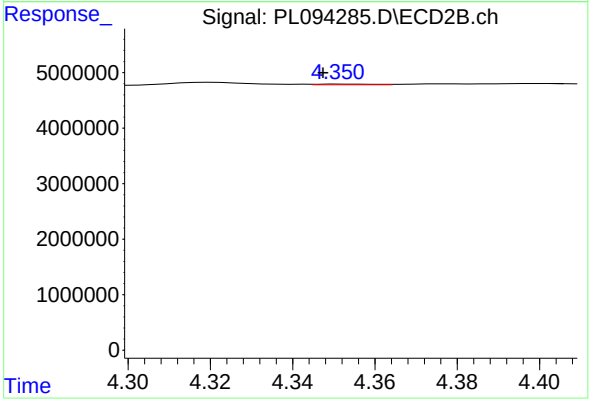
#23 Chlordane-1

R.T.: 3.757 min
Delta R.T.: -0.014 min
Response: 104638
Conc: 0.84 ng/ml



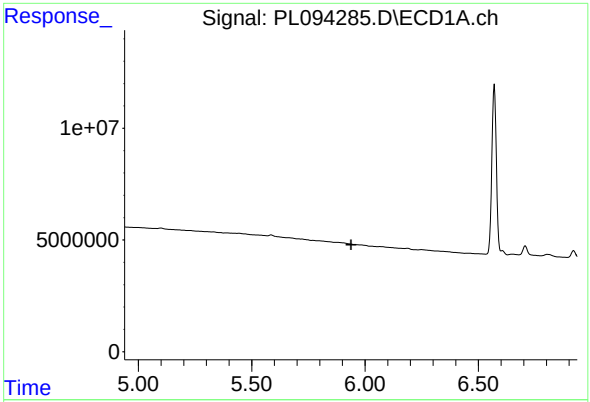
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 5.229 min
Response: 0
Conc: N.D.



#24 Chlordane-2

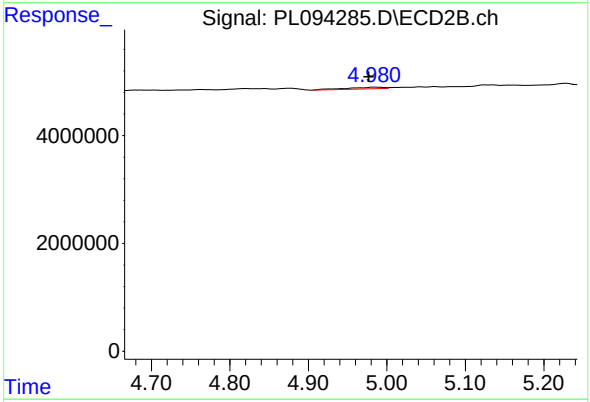
R.T.: 4.352 min
Delta R.T.: 0.005 min
Response: 128400
Conc: 0.88 ng/ml



#25 Chlordane-3

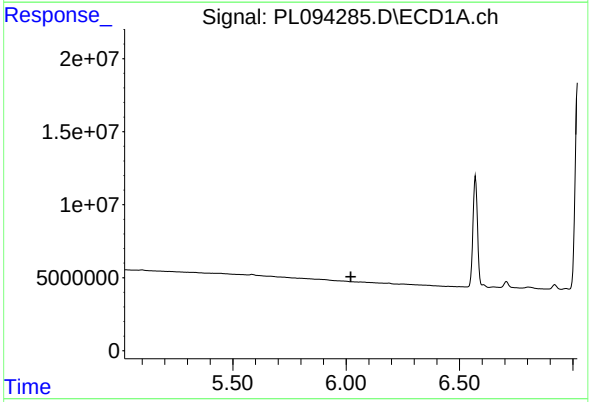
R.T.: 0.000 min
Exp R.T. : 5.939 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



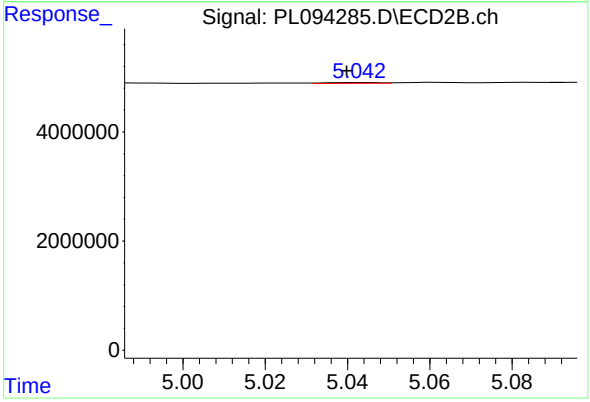
#25 Chlordane-3

R.T.: 4.985 min
Delta R.T.: 0.008 min
Response: 1026366
Conc: 2.36 ng/ml



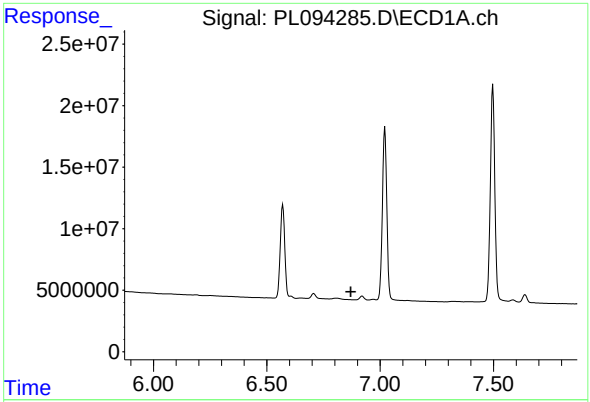
#26 Chlordane-4

R.T.: 0.000 min
Exp R.T. : 6.021 min
Response: 0
Conc: N.D.



#26 Chlordane-4

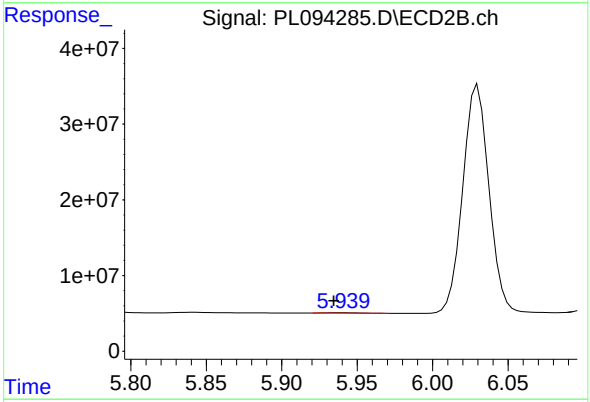
R.T.: 5.044 min
Delta R.T.: 0.004 min
Response: 132541
Conc: 0.31 ng/ml



#27 Chlordane-5

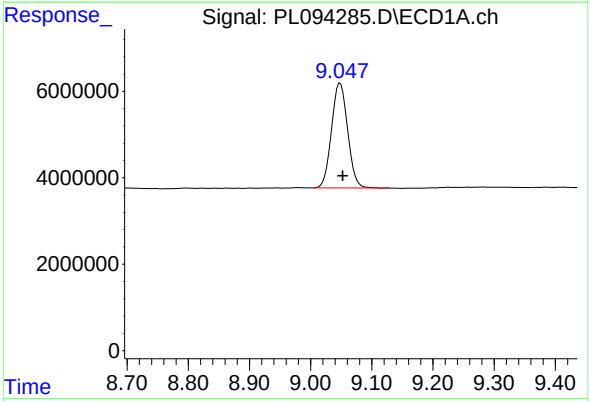
R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



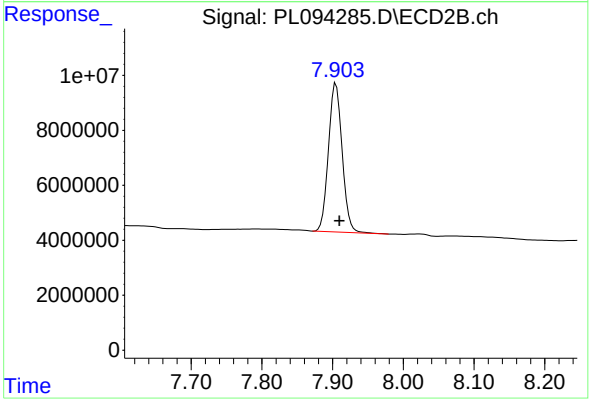
#27 Chlordane-5

R.T.: 5.940 min
Delta R.T.: 0.006 min
Response: 970882
Conc: 6.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.048 min
Delta R.T.: -0.005 min
Response: 44464533
Conc: 21.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 72770044
Conc: 20.77 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094286.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 21:10
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:18:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.771	127.5E6	165.9E6	47.352	50.814	
28)	SA Decachlor...	9.050	7.905	104.0E6	185.7E6	49.713	52.993	
	Target Compounds							
2)	A alpha-BHC	3.992	3.274	185.6E6	254.9E6	48.421	52.143	
3)	MA gamma-BHC...	4.325	3.603	179.6E6	247.9E6	48.762	52.277	
4)	MA Heptachlor	4.912	3.941	161.6E6	242.2E6	49.312	52.032	
5)	MB Aldrin	5.254	4.220	164.2E6	240.8E6	50.195	52.788	
6)	B beta-BHC	4.523	3.904	78410142	103.6E6	48.783	51.878	
7)	B delta-BHC	4.770	4.132	173.9E6	249.6E6	49.599	52.528	
8)	B Heptachlo...	5.680	4.723	147.2E6	221.0E6	49.508	52.873	
9)	A Endosulfan I	6.066	5.092	131.3E6	202.5E6	49.681	52.227	
10)	B gamma-Chl...	5.937	4.973	141.3E6	222.9E6	50.683	52.591	
11)	B alpha-Chl...	6.015	5.036	140.2E6	220.2E6	50.279	52.597	
12)	B 4,4'-DDE	6.189	5.225	129.7E6	216.8E6	53.291	54.064	
13)	MA Dieldrin	6.340	5.357	137.5E6	223.1E6	49.518	51.941	
14)	MA Endrin	6.571	5.632	113.6E6	191.5E6	48.447	51.846	
15)	B Endosulfa...	6.791	5.927	117.5E6	196.4E6	48.774	53.028	
16)	A 4,4'-DDD	6.706	5.780	99726881	175.8E6	52.472	55.682	
17)	MA 4,4'-DDT	7.020	6.029	101.4E6	179.0E6	51.410	55.021	
18)	B Endrin al...	6.921	6.106	95983181	158.6E6	49.373	52.108	
19)	B Endosulfa...	7.155	6.329	109.3E6	185.8E6	48.290	52.108	
20)	A Methoxychlor	7.496	6.605	55114463	97766290	52.822	54.675	
21)	B Endrin ke...	7.640	6.834	124.5E6	224.2E6	49.366	53.449	
22)	Mirex	8.112	7.014	98978888	176.5E6	47.529	52.177	
23)	Chlordane-1	0.000	3.772	0	69109	N.D.	0.554	#
24)	Chlordane-2	5.254f	4.359	164.2E6	525823	1402.760	3.584	#
25)	Chlordane-3	5.937	4.973	141.3E6	222.9E6	360.147	512.529	#
26)	Chlordane-4	6.015	5.036	140.2E6	220.2E6	298.226	519.749	#
27)	Chlordane-5	0.000	5.927	0	196.4E6	N.D.	1282.328	#

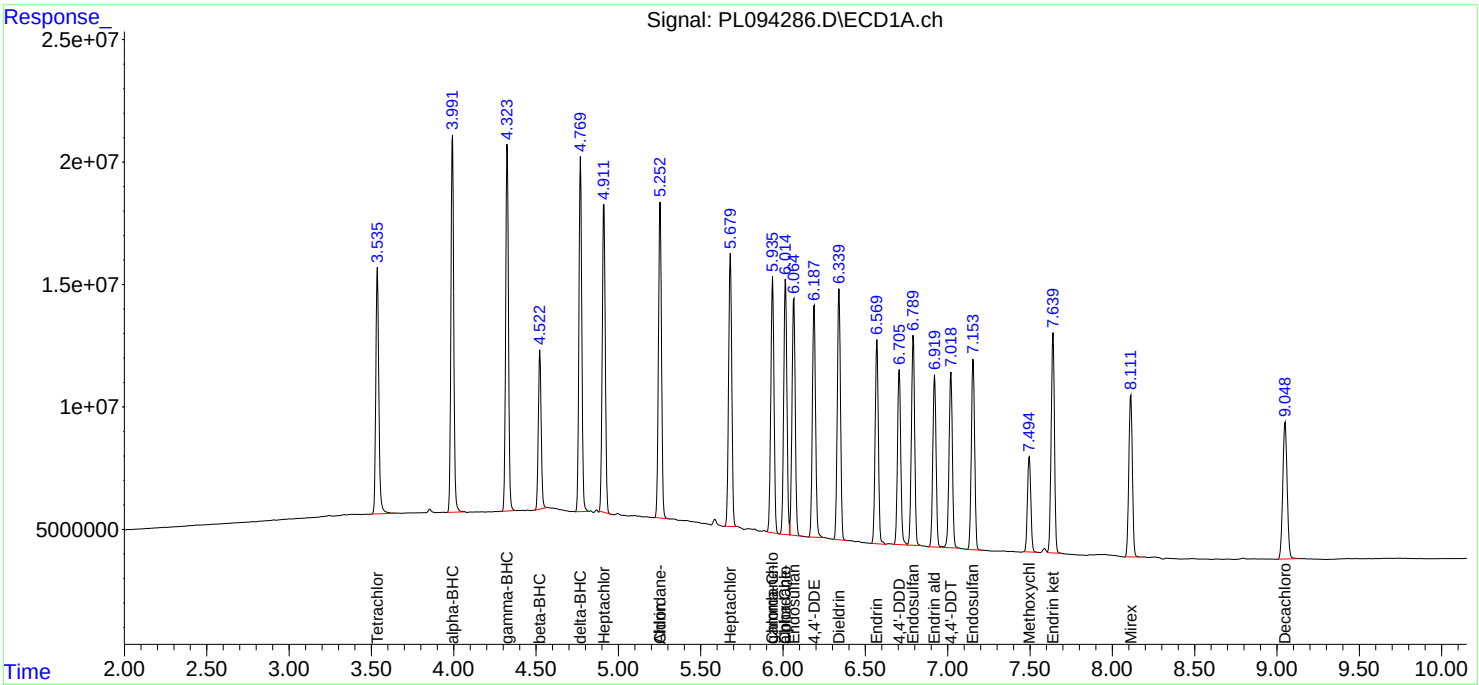
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

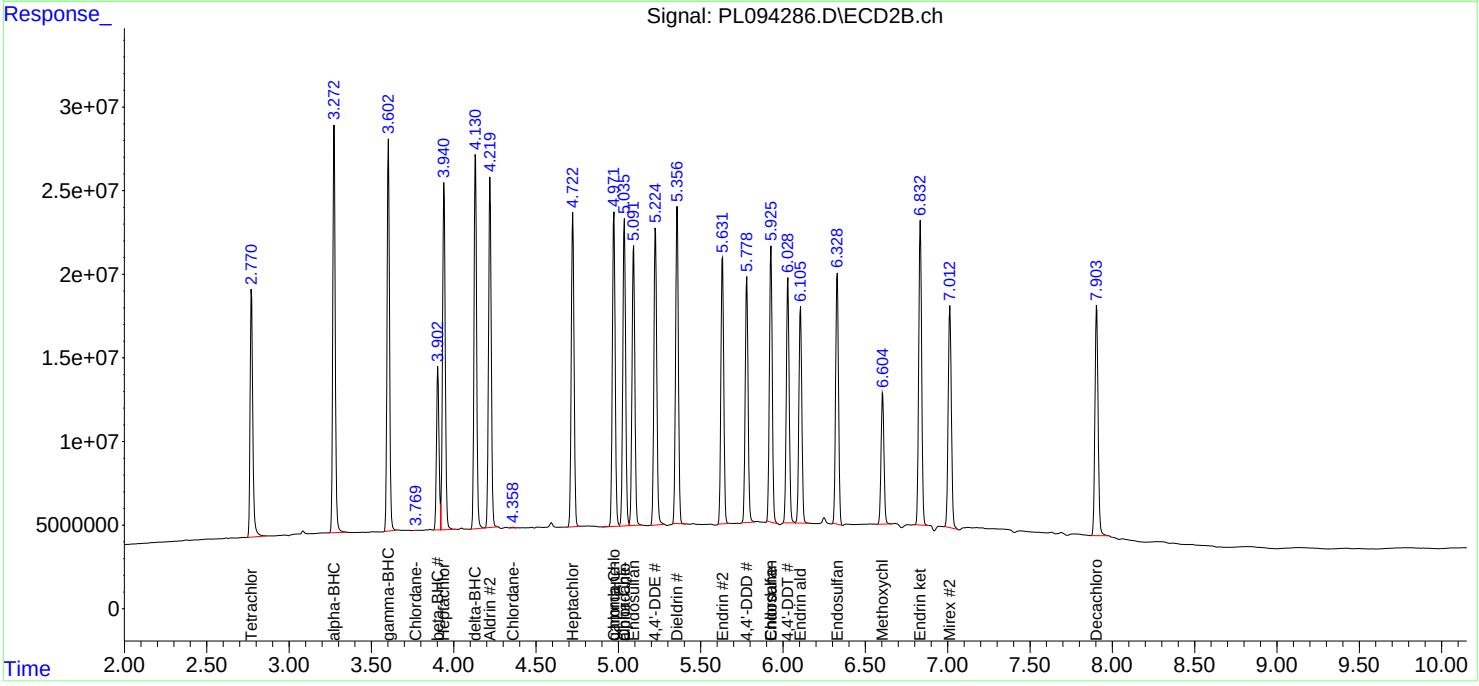
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094286.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Feb 2025 21:10
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

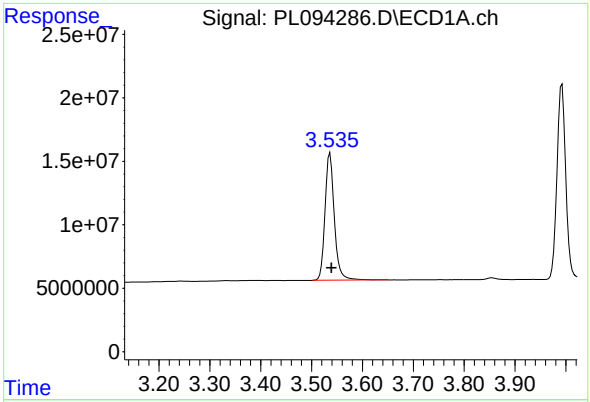
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 20 01:18:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



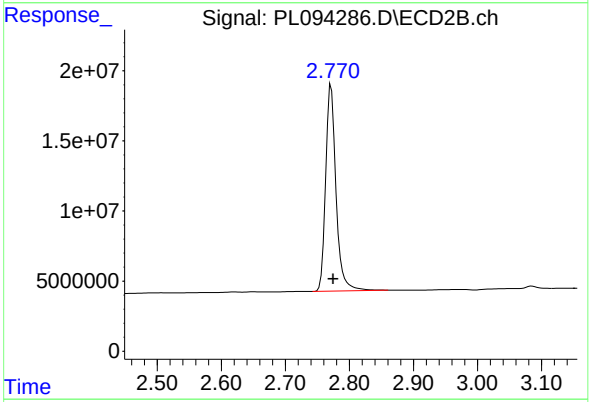




#1 Tetrachloro-m-xylene

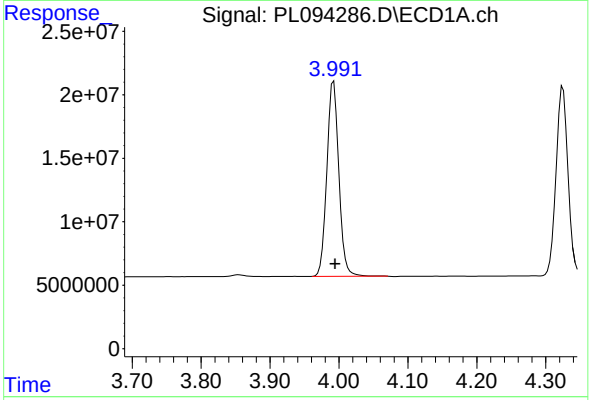
R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 127507172
Conc: 47.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



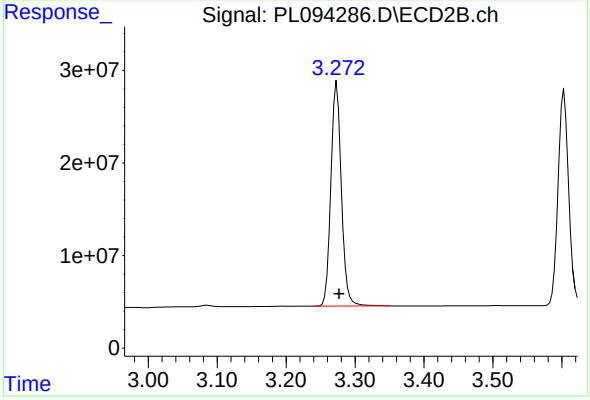
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 165866304
Conc: 50.81 ng/ml



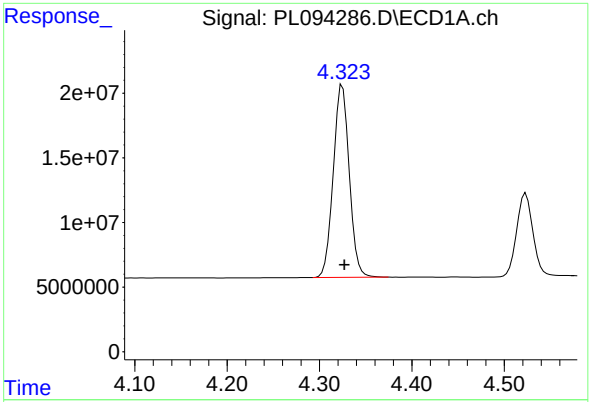
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 185639999
Conc: 48.42 ng/ml



#2 alpha-BHC

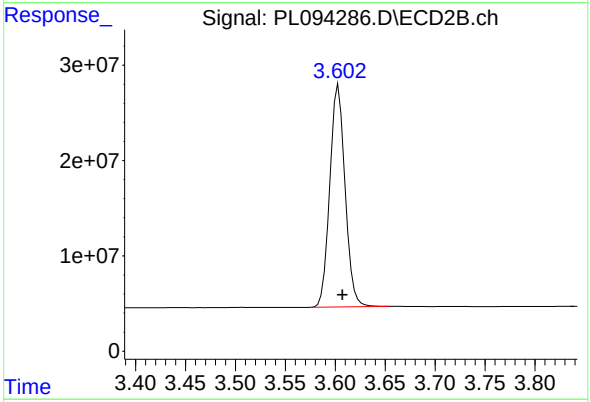
R.T.: 3.274 min
Delta R.T.: -0.003 min
Response: 254925562
Conc: 52.14 ng/ml



#3 gamma-BHC (Lindane)

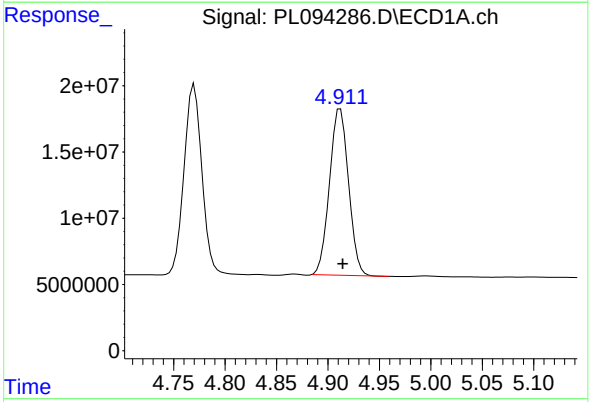
R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 179582555
Conc: 48.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



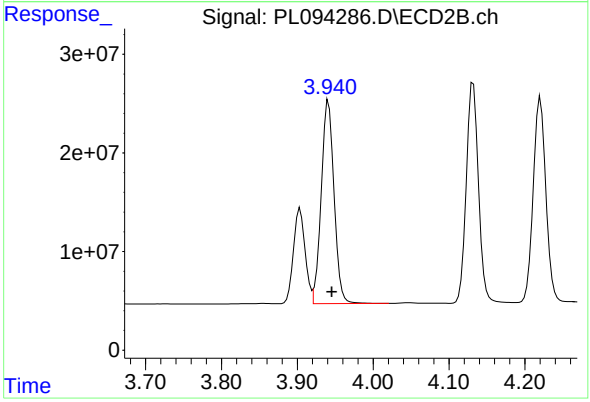
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.004 min
Response: 247858097
Conc: 52.28 ng/ml



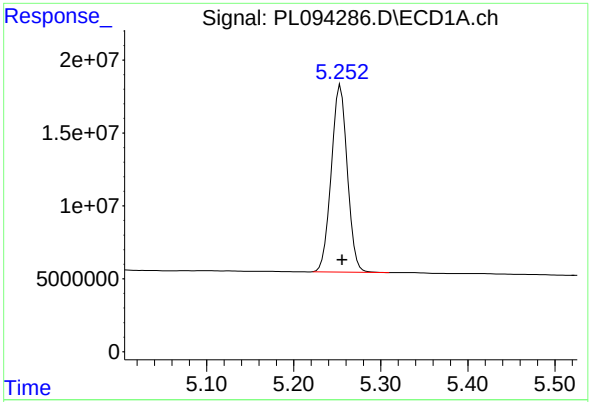
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: -0.002 min
Response: 161612350
Conc: 49.31 ng/ml



#4 Heptachlor

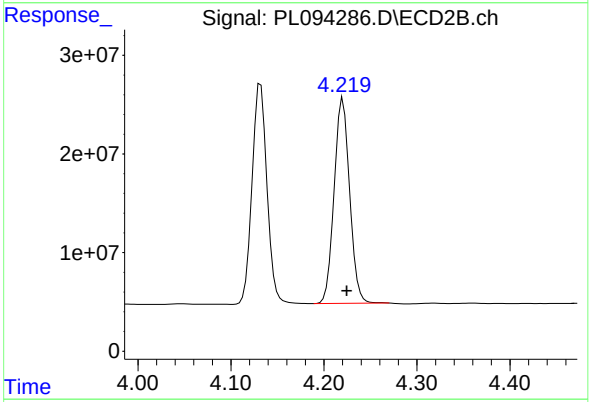
R.T.: 3.941 min
Delta R.T.: -0.004 min
Response: 242197648
Conc: 52.03 ng/ml



#5 Aldrin

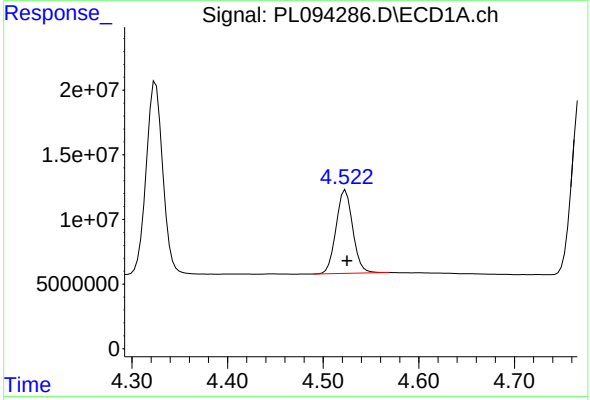
R.T.: 5.254 min
Delta R.T.: -0.002 min
Response: 164236099
Conc: 50.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



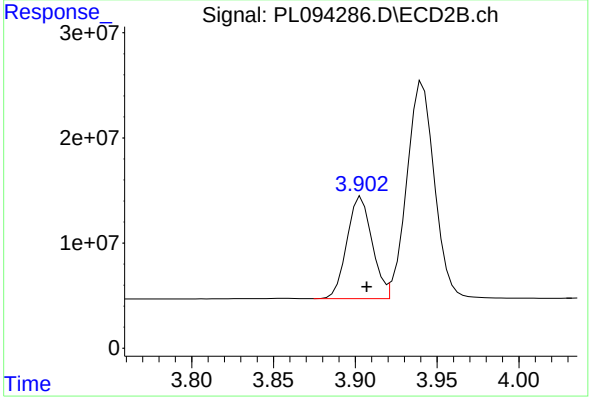
#5 Aldrin

R.T.: 4.220 min
Delta R.T.: -0.004 min
Response: 240807744
Conc: 52.79 ng/ml



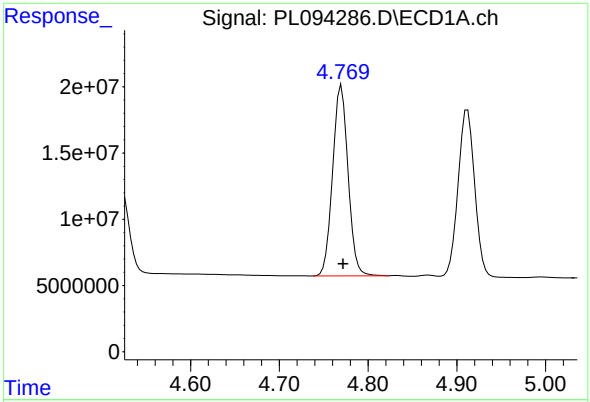
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 78410142
Conc: 48.78 ng/ml



#6 beta-BHC

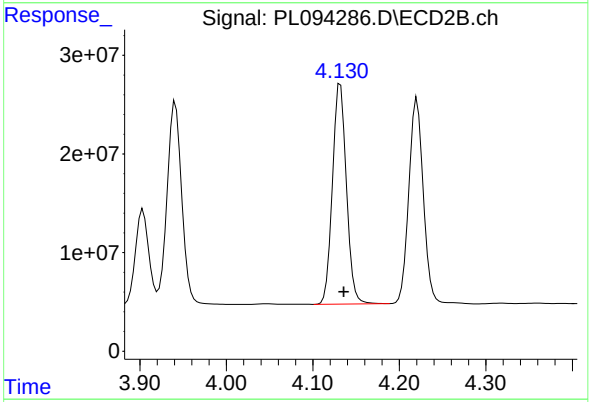
R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 103622183
Conc: 51.88 ng/ml



#7 delta-BHC

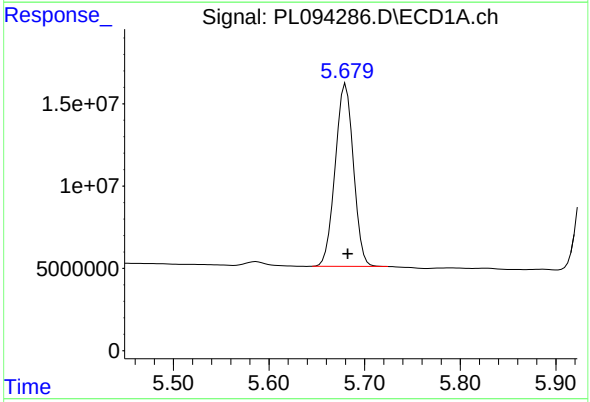
R.T.: 4.770 min
Delta R.T.: -0.002 min
Response: 173859719
Conc: 49.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



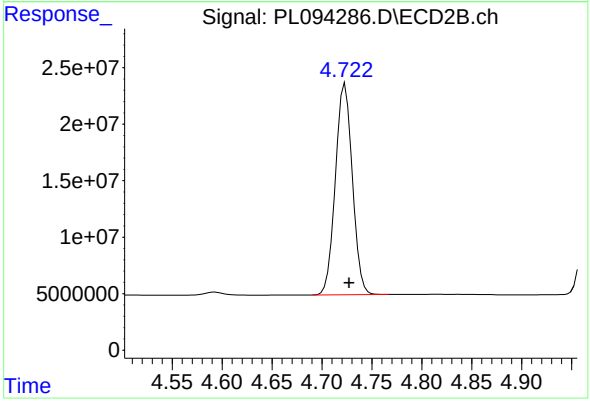
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.004 min
Response: 249573313
Conc: 52.53 ng/ml



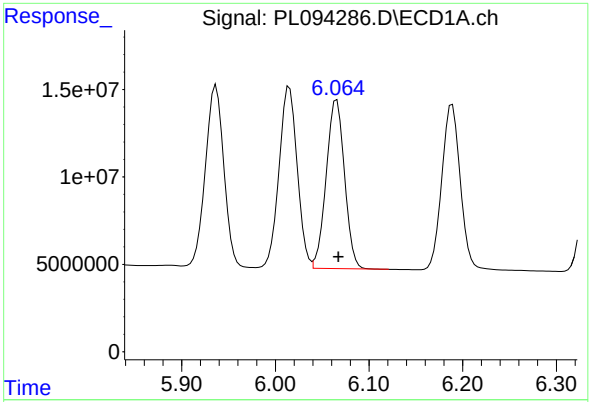
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.002 min
Response: 147227586
Conc: 49.51 ng/ml



#8 Heptachlor epoxide

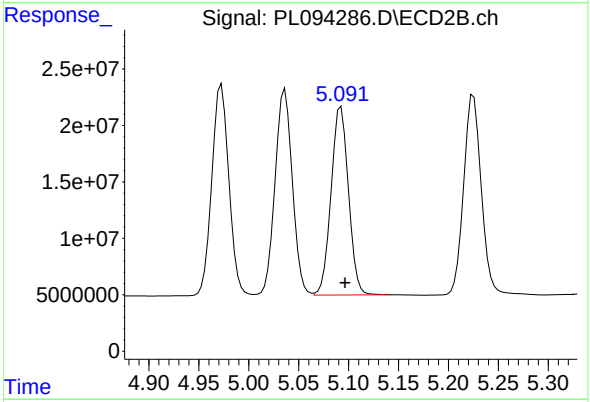
R.T.: 4.723 min
Delta R.T.: -0.004 min
Response: 221022547
Conc: 52.87 ng/ml



#9 Endosulfan I

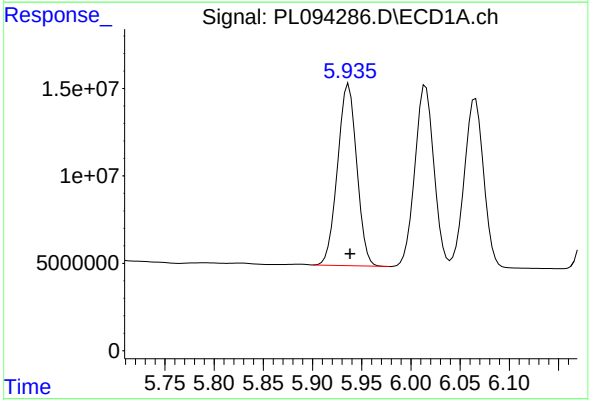
R.T.: 6.066 min
Delta R.T.: -0.002 min
Response: 131299703
Conc: 49.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



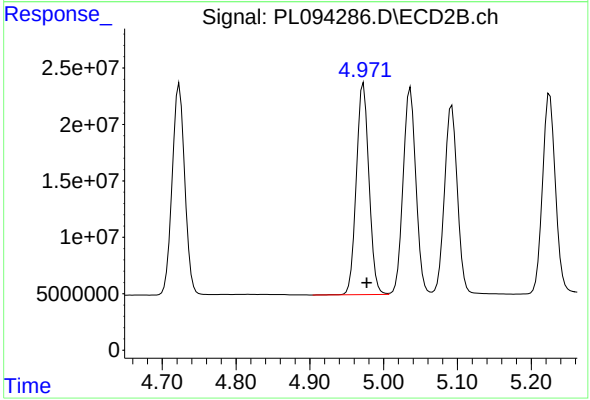
#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: -0.004 min
Response: 202480650
Conc: 52.23 ng/ml



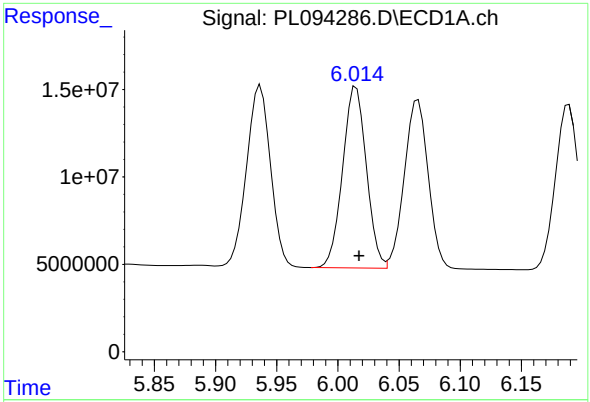
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.002 min
Response: 141272957
Conc: 50.68 ng/ml



#10 gamma-Chlordane

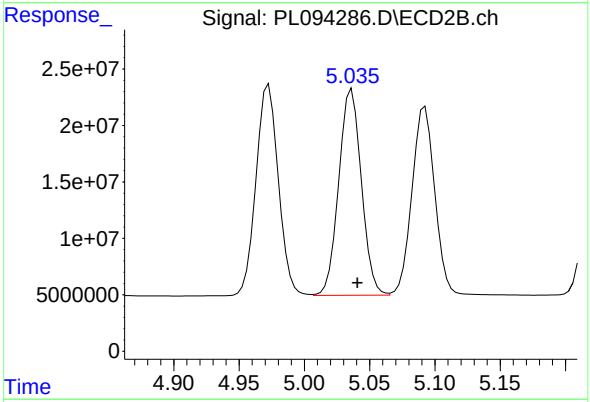
R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 222858682
Conc: 52.59 ng/ml



#11 alpha-Chlordane

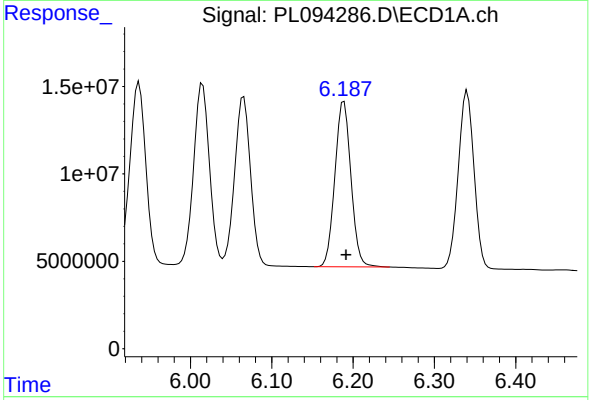
R.T.: 6.015 min
Delta R.T.: -0.002 min
Response: 140197939
Conc: 50.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



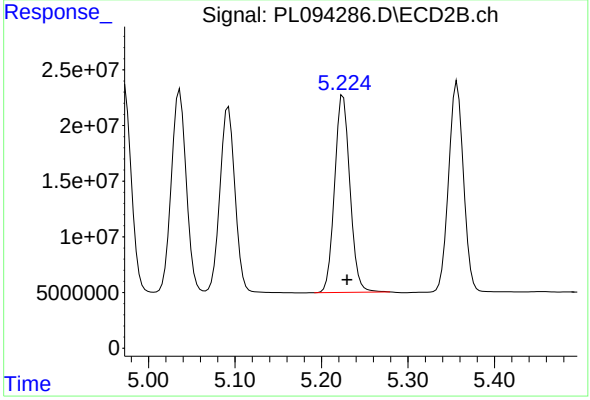
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: -0.004 min
Response: 220201257
Conc: 52.60 ng/ml



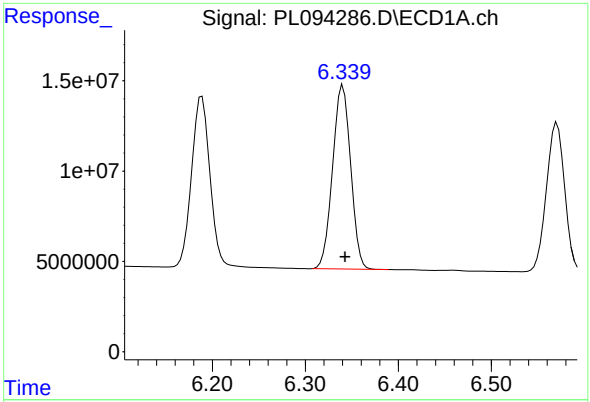
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.002 min
Response: 129742633
Conc: 53.29 ng/ml



#12 4,4'-DDE

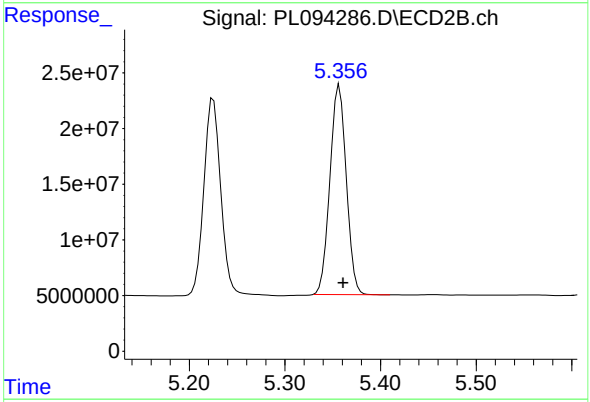
R.T.: 5.225 min
Delta R.T.: -0.004 min
Response: 216766920
Conc: 54.06 ng/ml



#13 Dieldrin

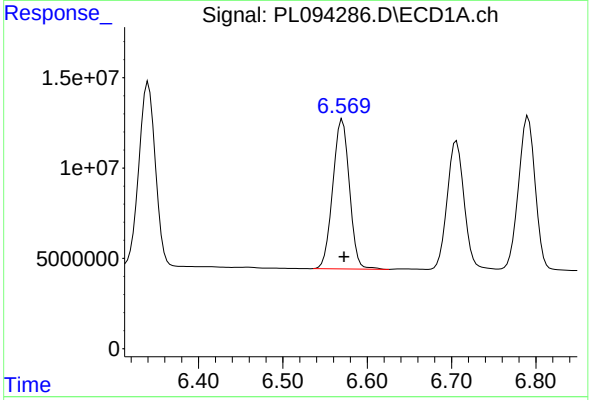
R.T.: 6.340 min
Delta R.T.: -0.002 min
Response: 137453616
Conc: 49.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



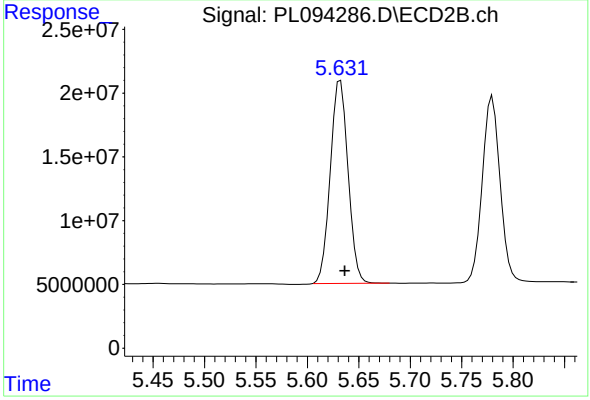
#13 Dieldrin

R.T.: 5.357 min
Delta R.T.: -0.004 min
Response: 223120610
Conc: 51.94 ng/ml



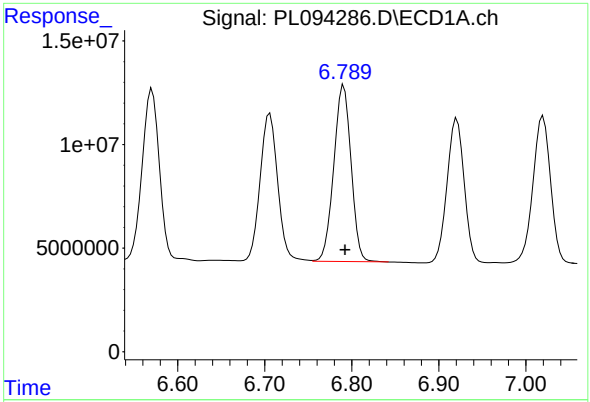
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 113600279
Conc: 48.45 ng/ml



#14 Endrin

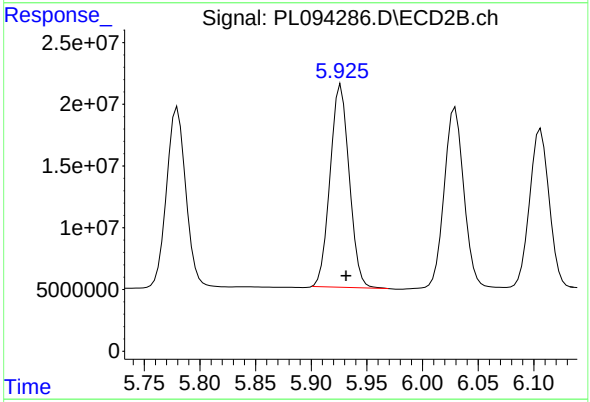
R.T.: 5.632 min
Delta R.T.: -0.004 min
Response: 191452089
Conc: 51.85 ng/ml



#15 Endosulfan II

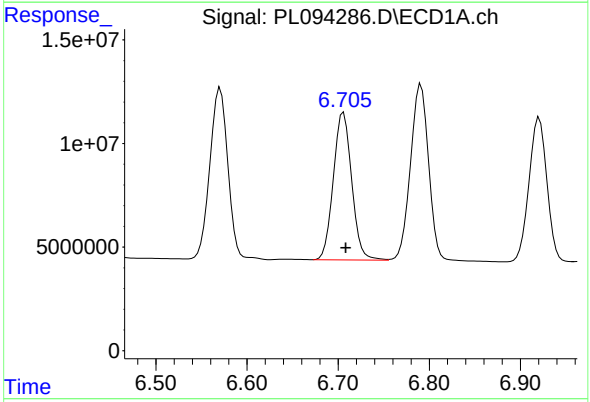
R.T.: 6.791 min
Delta R.T.: -0.001 min
Response: 117514341
Conc: 48.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



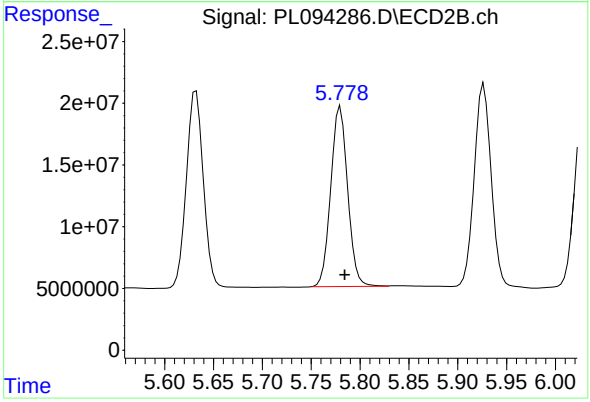
#15 Endosulfan II

R.T.: 5.927 min
Delta R.T.: -0.005 min
Response: 196404912
Conc: 53.03 ng/ml



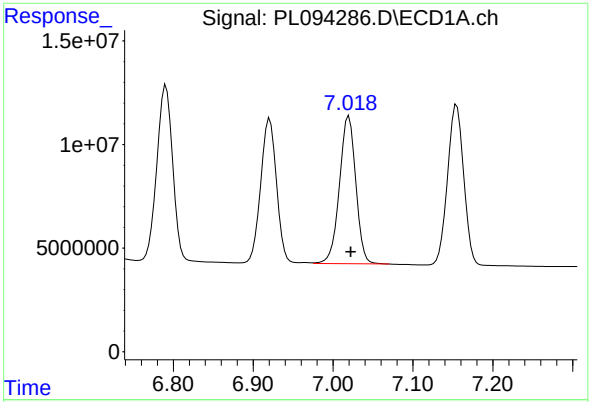
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.002 min
Response: 99726881
Conc: 52.47 ng/ml



#16 4,4'-DDD

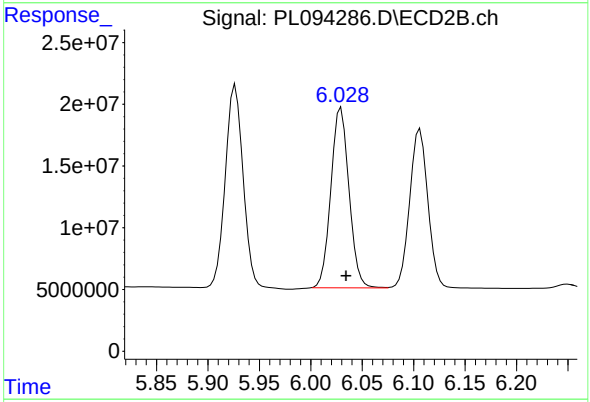
R.T.: 5.780 min
Delta R.T.: -0.004 min
Response: 175763026
Conc: 55.68 ng/ml



#17 4,4'-DDT

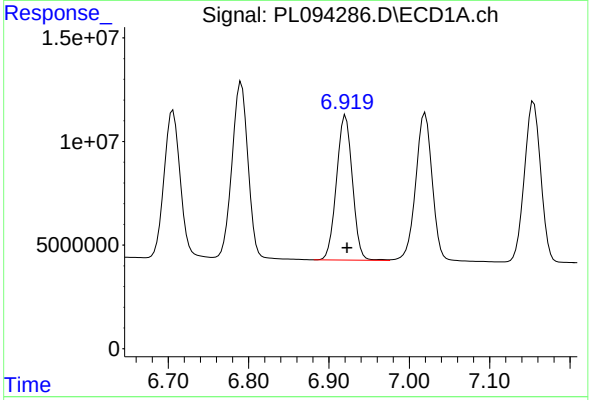
R.T.: 7.020 min
Delta R.T.: -0.002 min
Response: 101383675
Conc: 51.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



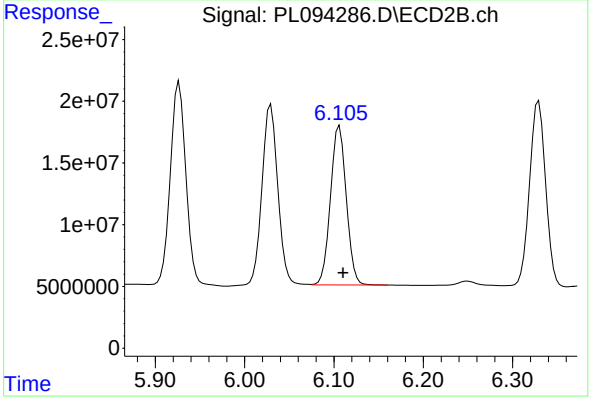
#17 4,4'-DDT

R.T.: 6.029 min
Delta R.T.: -0.005 min
Response: 179041709
Conc: 55.02 ng/ml



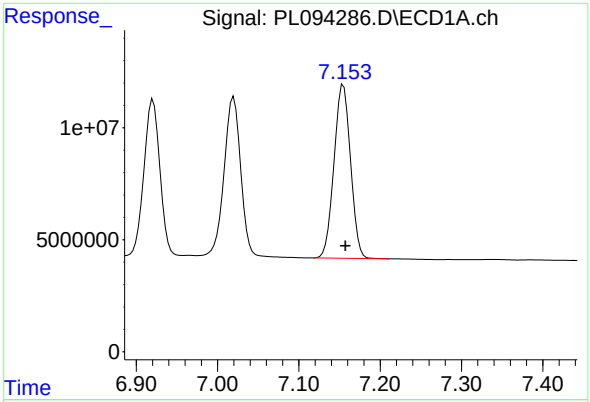
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.002 min
Response: 95983181
Conc: 49.37 ng/ml



#18 Endrin aldehyde

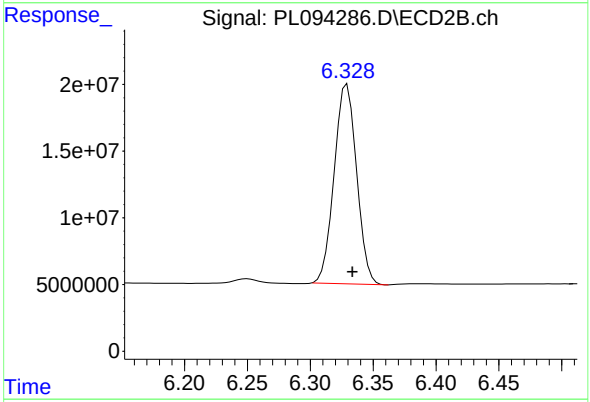
R.T.: 6.106 min
Delta R.T.: -0.004 min
Response: 158649068
Conc: 52.11 ng/ml



#19 Endosulfan Sulfate

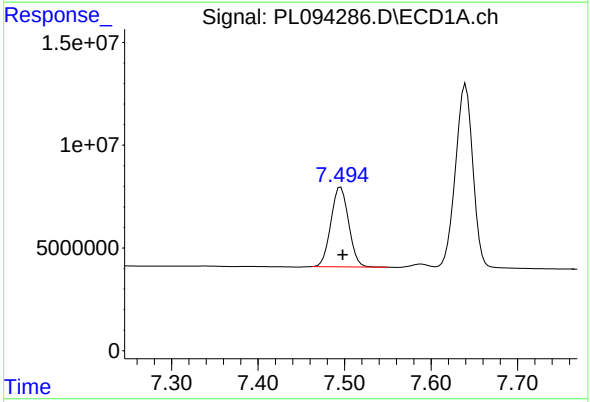
R.T.: 7.155 min
Delta R.T.: -0.002 min
Response: 109316562
Conc: 48.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



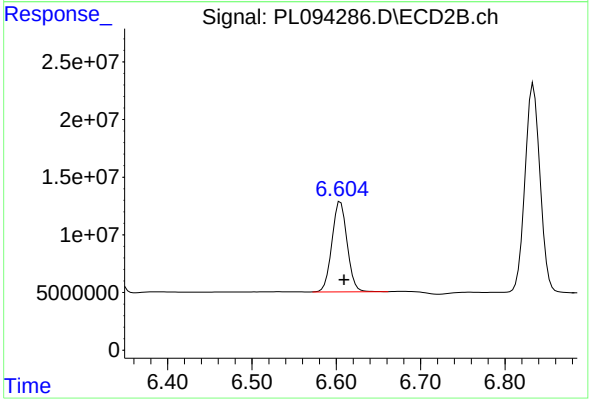
#19 Endosulfan Sulfate

R.T.: 6.329 min
Delta R.T.: -0.004 min
Response: 185821569
Conc: 52.11 ng/ml



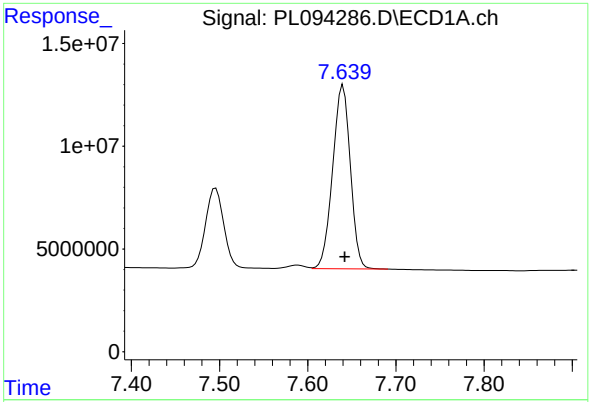
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: -0.002 min
Response: 55114463
Conc: 52.82 ng/ml



#20 Methoxychlor

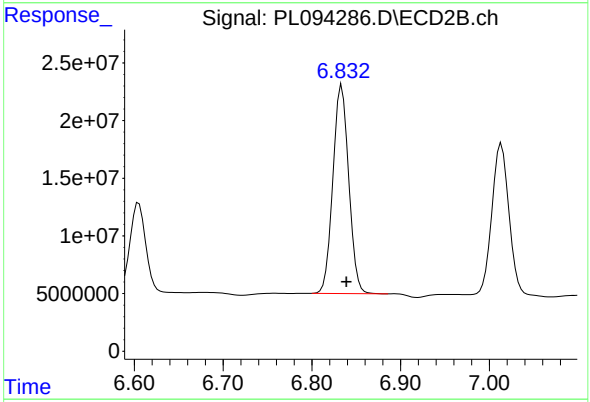
R.T.: 6.605 min
Delta R.T.: -0.004 min
Response: 97766290
Conc: 54.67 ng/ml



#21 Endrin ketone

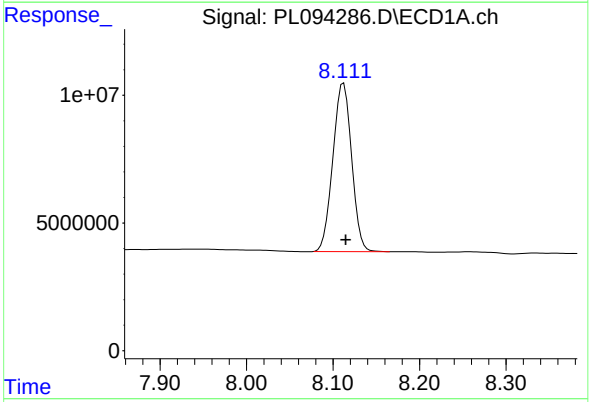
R.T.: 7.640 min
Delta R.T.: -0.002 min
Response: 124531159
Conc: 49.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



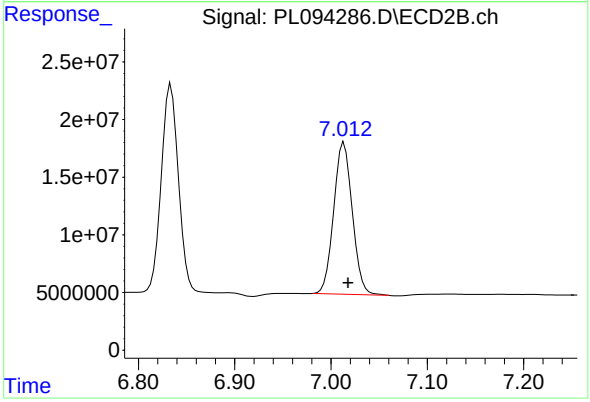
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: -0.005 min
Response: 224229857
Conc: 53.45 ng/ml



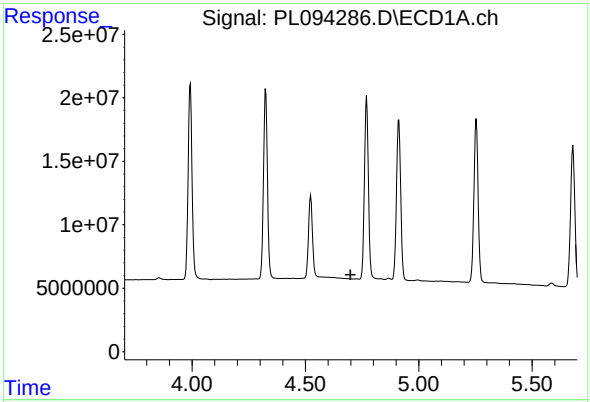
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.002 min
Response: 98978888
Conc: 47.53 ng/ml



#22 Mirex

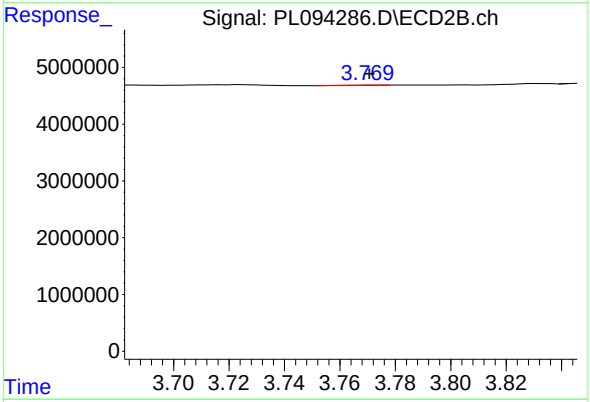
R.T.: 7.014 min
Delta R.T.: -0.004 min
Response: 176457564
Conc: 52.18 ng/ml



#23 Chlordane-1

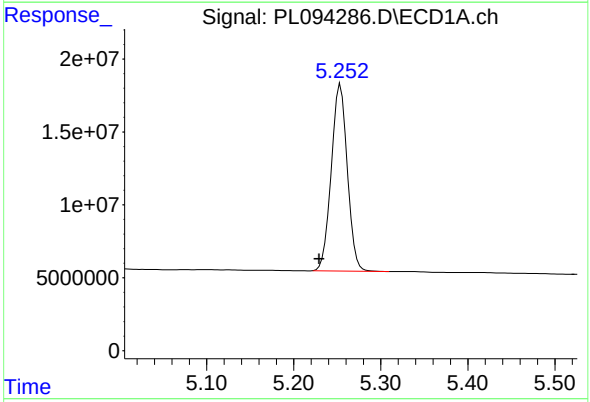
R.T.: 0.000 min
Exp R.T. : 4.700 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



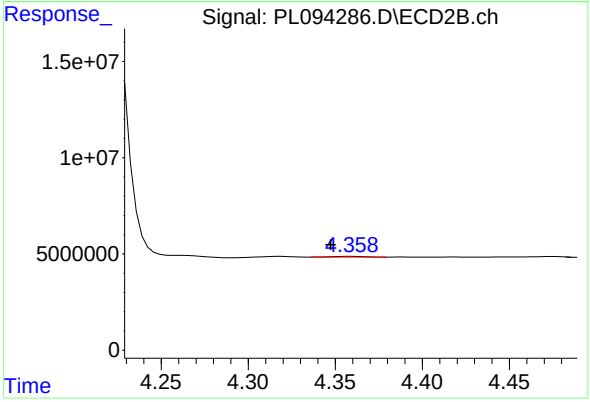
#23 Chlordane-1

R.T.: 3.772 min
Delta R.T.: 0.001 min
Response: 69109
Conc: 0.55 ng/ml



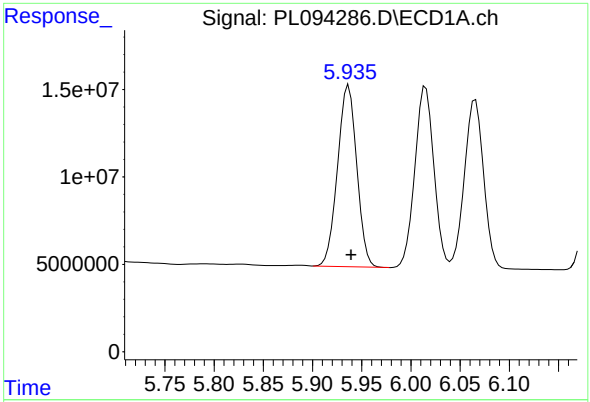
#24 Chlordane-2

R.T.: 5.254 min
Delta R.T.: 0.025 min
Response: 164236099
Conc: 1402.76 ng/ml



#24 Chlordane-2

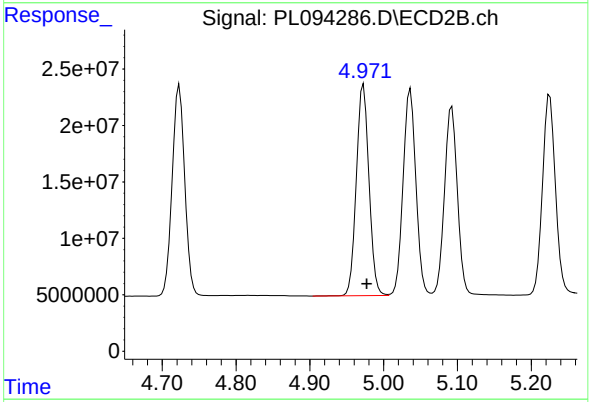
R.T.: 4.359 min
Delta R.T.: 0.012 min
Response: 525823
Conc: 3.58 ng/ml



#25 Chlordane-3

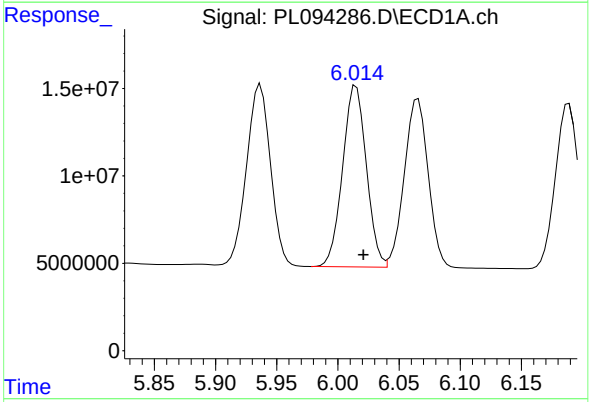
R.T.: 5.937 min
Delta R.T.: -0.002 min
Response: 141272957
Conc: 360.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



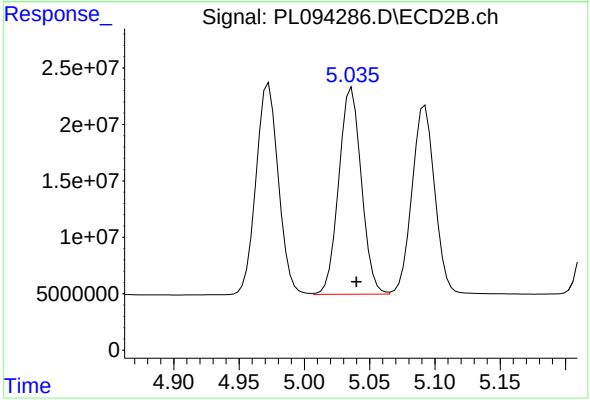
#25 Chlordane-3

R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 222858682
Conc: 512.53 ng/ml



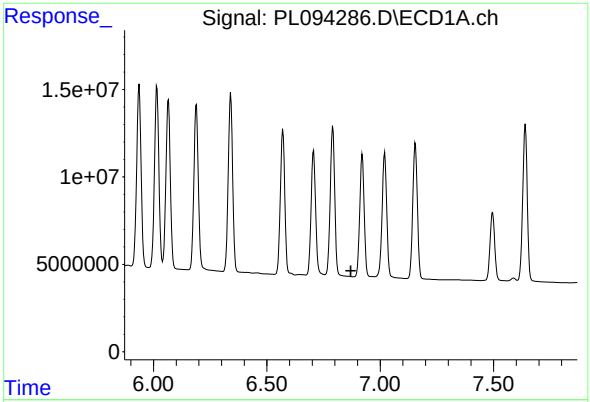
#26 Chlordane-4

R.T.: 6.015 min
Delta R.T.: -0.006 min
Response: 140197939
Conc: 298.23 ng/ml



#26 Chlordane-4

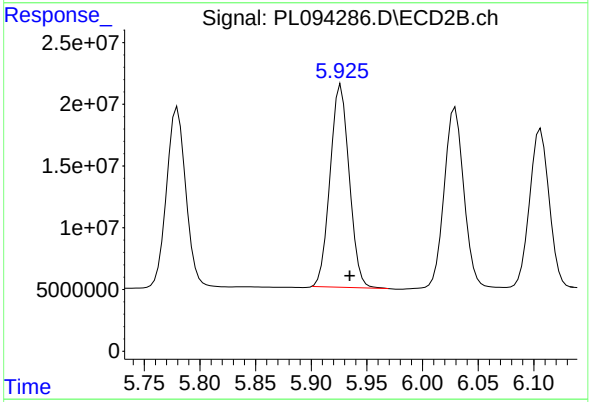
R.T.: 5.036 min
Delta R.T.: -0.004 min
Response: 220201257
Conc: 519.75 ng/ml



#27 Chlordane-5

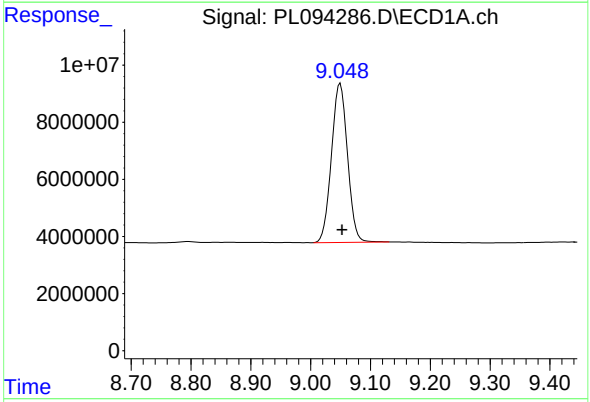
R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



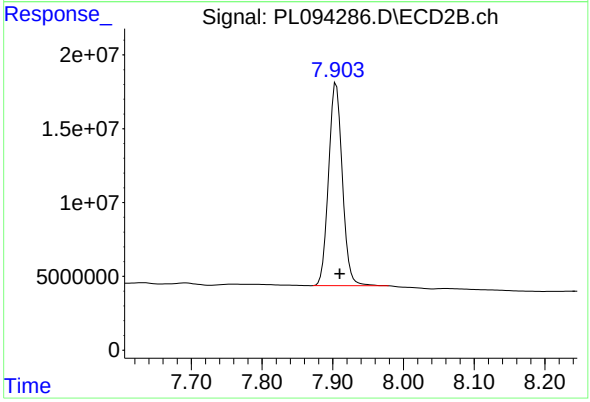
#27 Chlordane-5

R.T.: 5.927 min
Delta R.T.: -0.008 min
Response: 196404912
Conc: 1282.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 103995835
Conc: 49.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 185691067
Conc: 52.99 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094287.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 08:29
Operator : AR\AJ
Sample : Q1383-01MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 07:11:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.542	2.774	90400345	71529482	33.572	21.914	#
28)	SA Decachlor...	9.059	7.910	40282362	76139224	19.256	21.729	
	Target Compounds							
2)	A alpha-BHC	3.998	3.276	162.3E6	216.2E6	42.336	44.228	
3)	MA gamma-BHC...	4.331	3.607	154.7E6	206.2E6	42.001	43.499	
4)	MA Heptachlor	4.918	3.945	149.4E6	213.6E6	45.583	45.895	
5)	MB Aldrin	5.260	4.224	142.0E6	200.3E6	43.405	43.901	
6)	B beta-BHC	4.530	3.907	69435097	90428981	43.199	45.272	
7)	B delta-BHC	4.776	4.136	155.4E6	207.9E6	44.345	43.748	
8)	B Heptachlo...	5.687	4.727	128.3E6	187.6E6	43.148	44.867	
9)	A Endosulfan I	6.072	5.097	115.1E6	177.0E6	43.537	45.659	
10)	B gamma-Chl...	5.943	4.977	128.3E6	204.8E6	46.041	48.338	
11)	B alpha-Chl...	6.022	5.040	125.3E6	194.5E6	44.932	46.467	
12)	B 4,4'-DDE	6.195	5.230	116.1E6	192.8E6	47.685	48.076	
13)	MA Dieldrin	6.347	5.361	122.4E6	200.1E6	44.081	46.573	
14)	MA Endrin	6.577	5.636	104.9E6	182.2E6	44.758	49.329	
15)	B Endosulfa...	6.797	5.931	105.6E6	186.0E6	43.818	50.218	
16)	A 4,4'-DDD	6.713	5.785	93214673	149.7E6	49.046	47.428	
17)	MA 4,4'-DDT	7.026	6.035	92851897	177.9E6	47.084	54.675	
18)	B Endrin al...	6.927	6.111	81624625	137.2E6	41.987	45.075	
19)	B Endosulfa...	7.162	6.334	100.3E6	164.8E6	44.302	46.200	
20)	A Methoxychlor	7.504	6.610	54418599	85011989	52.155	47.542	
21)	B Endrin ke...	7.647	6.839	112.2E6	190.3E6	44.475	45.368	
22)	Mirex	8.120	7.019	85396100	163.5E6	41.007	48.346	
23)	Chlordane-1	0.000	3.769	0	287880	N.D.	2.307	#
24)	Chlordane-2	0.000	4.361	0	1308396	N.D.	8.918	#
25)	Chlordane-3	5.943	4.977	128.3E6	204.8E6	327.159	471.082	#
26)	Chlordane-4	6.022	5.040	125.3E6	194.5E6	266.509	459.177	#
27)	Chlordane-5	0.000	5.931	0	186.0E6	N.D.	1214.379	#

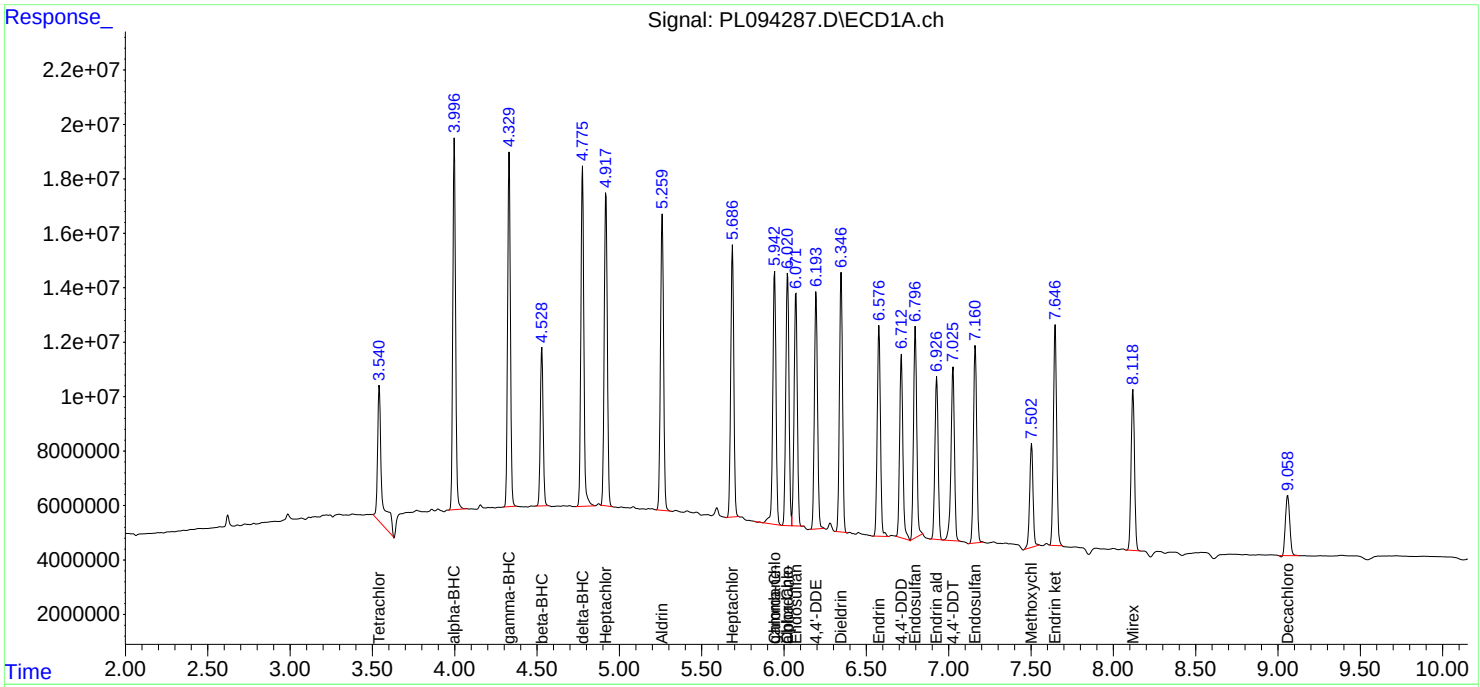
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

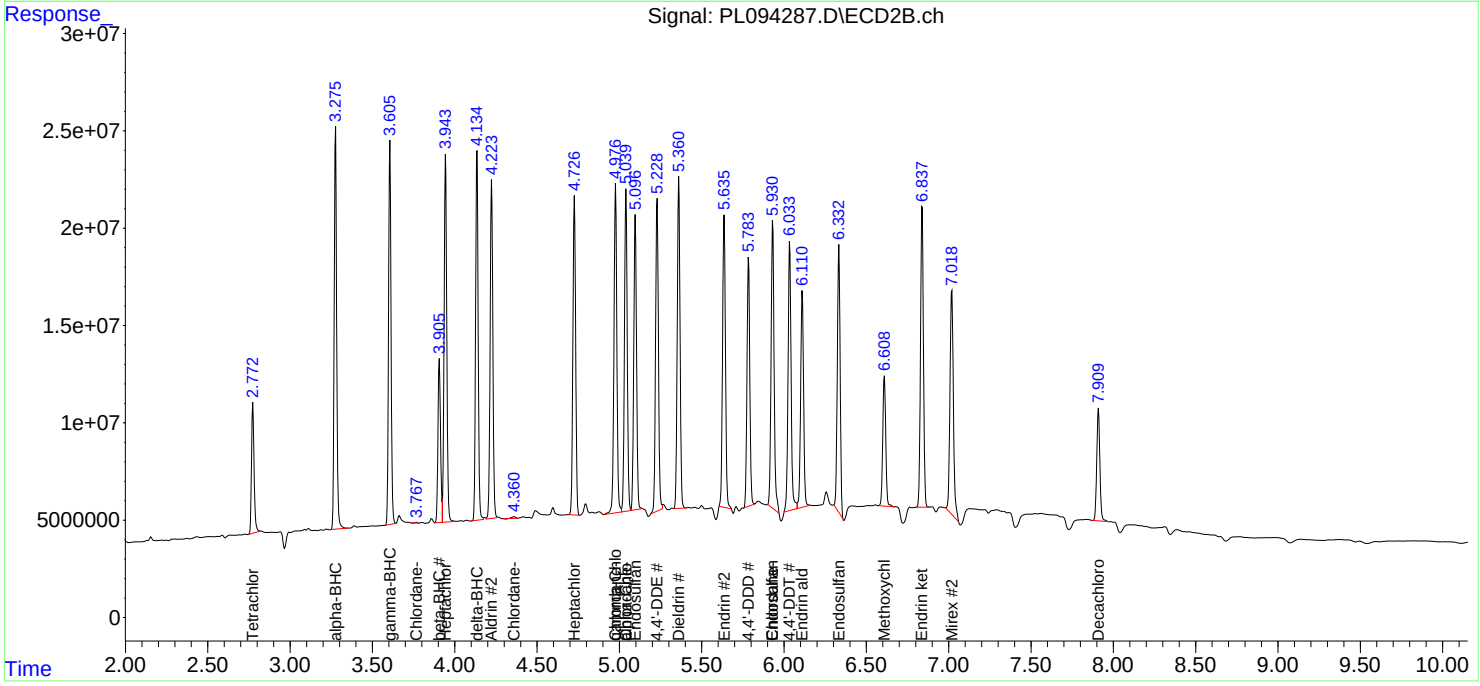
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL021925\
Data File : PL094287.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 08:29
Operator : AR\AJ
Sample : Q1383-01MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

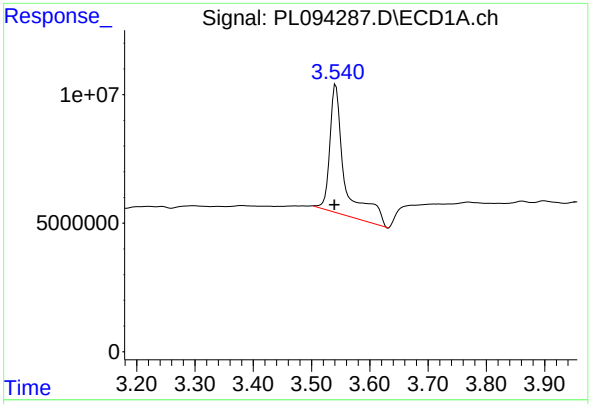
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 07:11:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



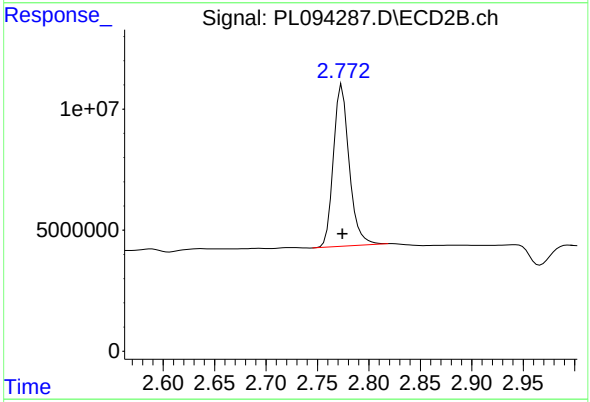




#1 Tetrachloro-m-xylene

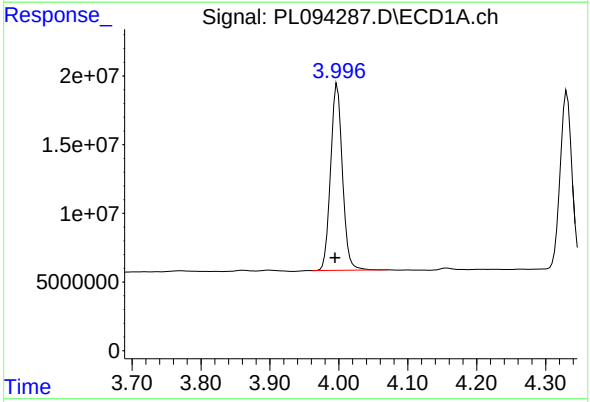
R.T.: 3.542 min
Delta R.T.: 0.003 min
Response: 90400345
Conc: 33.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD



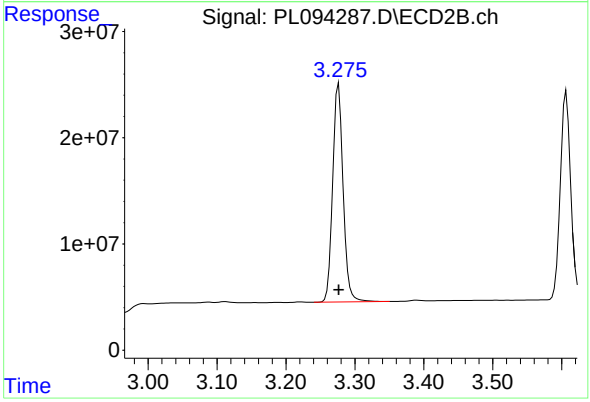
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 71529482
Conc: 21.91 ng/ml



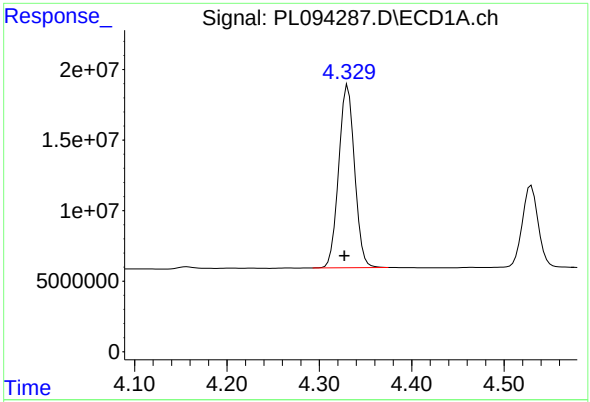
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.003 min
Response: 162311211
Conc: 42.34 ng/ml



#2 alpha-BHC

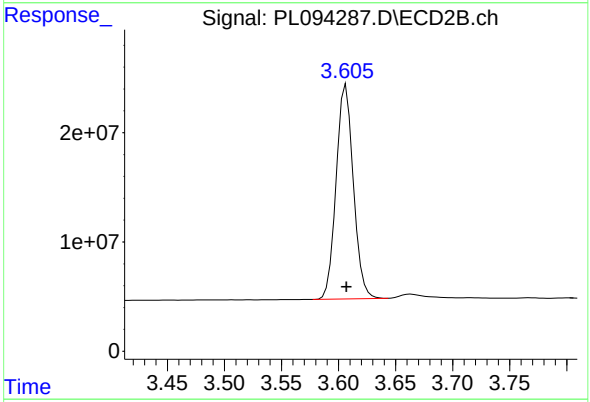
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 216231732
Conc: 44.23 ng/ml



#3 gamma-BHC (Lindane)

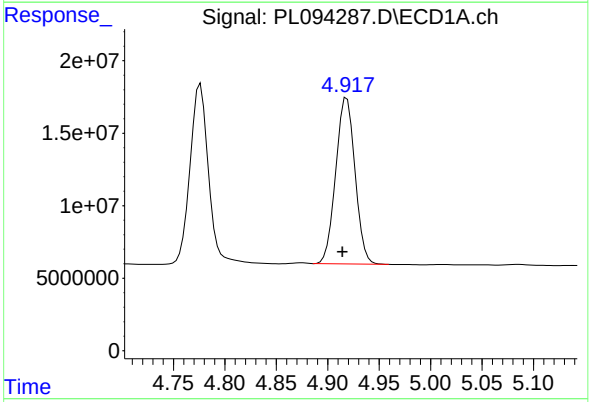
R.T.: 4.331 min
Delta R.T.: 0.004 min
Response: 154682503
Conc: 42.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD



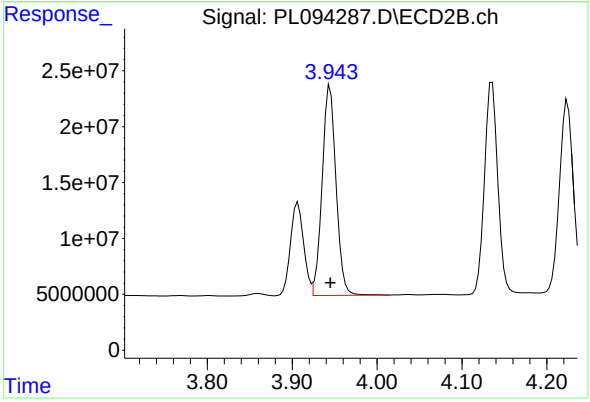
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 206236780
Conc: 43.50 ng/ml



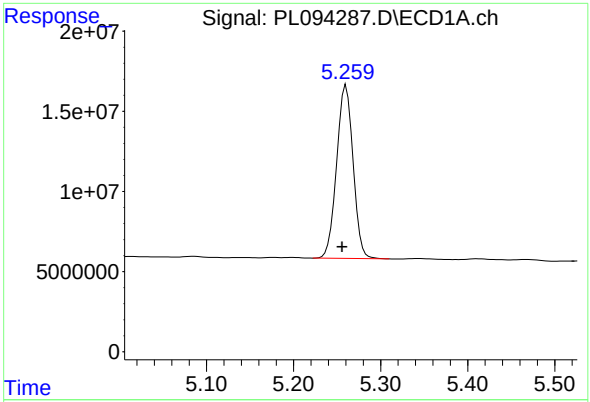
#4 Heptachlor

R.T.: 4.918 min
Delta R.T.: 0.004 min
Response: 149392403
Conc: 45.58 ng/ml



#4 Heptachlor

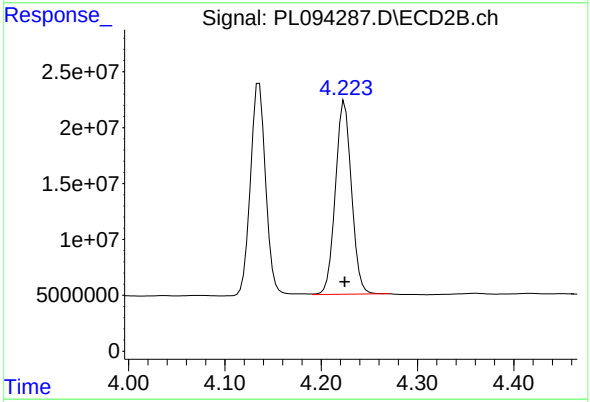
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 213633682
Conc: 45.90 ng/ml



#5 Aldrin

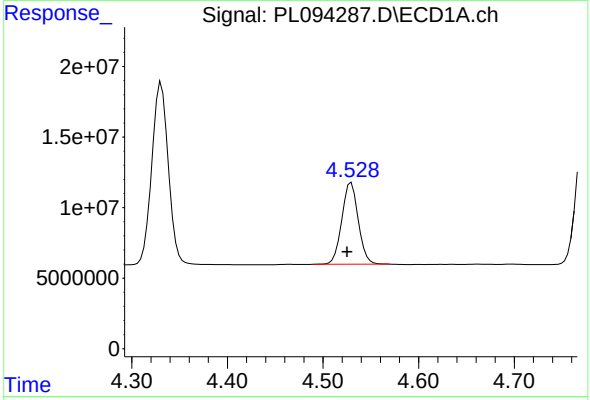
R.T.: 5.260 min
Delta R.T.: 0.005 min
Response: 142019748
Conc: 43.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD



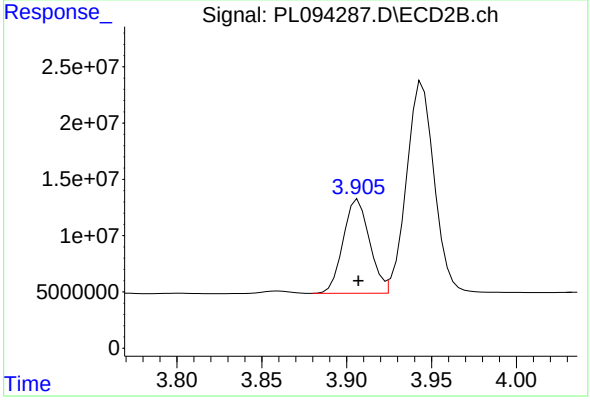
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 200265858
Conc: 43.90 ng/ml



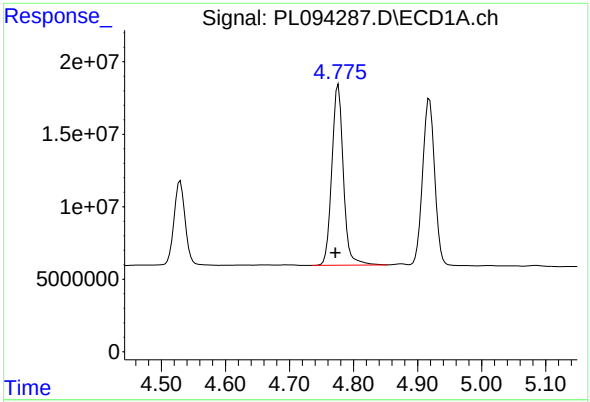
#6 beta-BHC

R.T.: 4.530 min
Delta R.T.: 0.004 min
Response: 69435097
Conc: 43.20 ng/ml



#6 beta-BHC

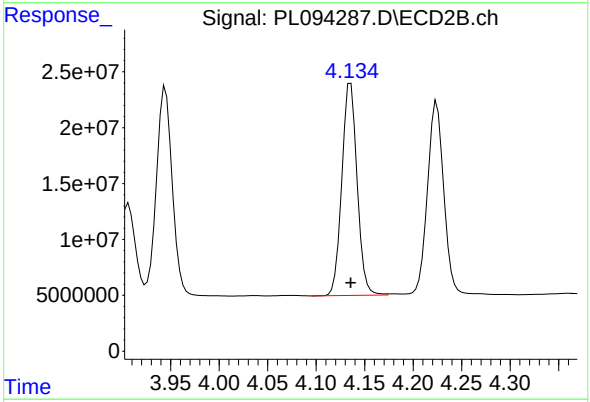
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 90428981
Conc: 45.27 ng/ml



#7 delta-BHC

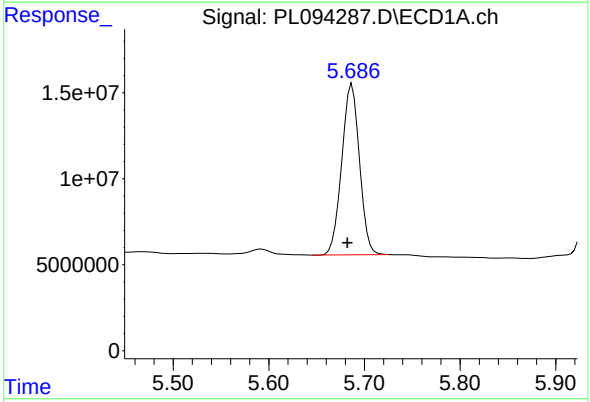
R.T.: 4.776 min
Delta R.T.: 0.004 min
Response: 155441451
Conc: 44.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD



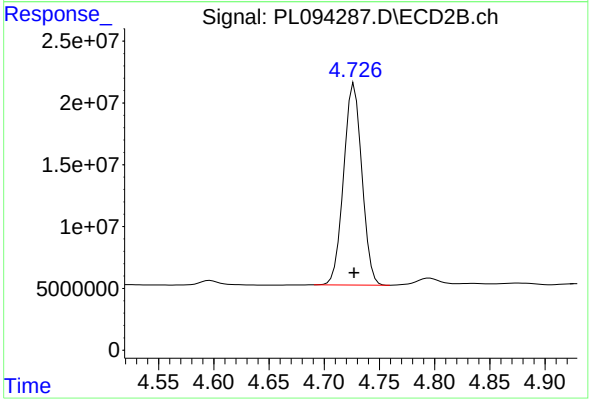
#7 delta-BHC

R.T.: 4.136 min
Delta R.T.: 0.000 min
Response: 207858408
Conc: 43.75 ng/ml



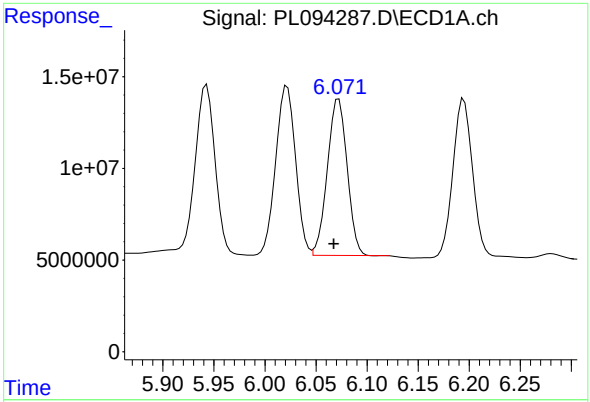
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: 0.005 min
Response: 128313602
Conc: 43.15 ng/ml



#8 Heptachlor epoxide

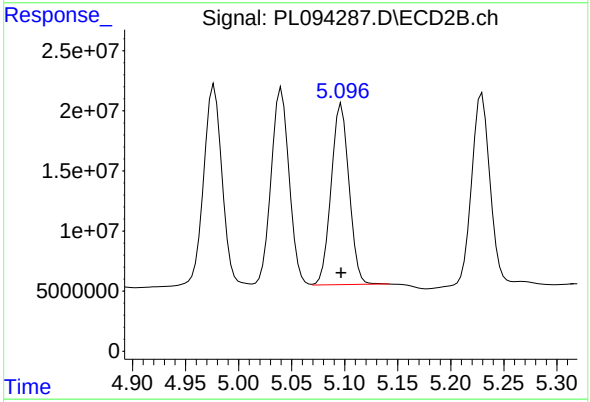
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 187555094
Conc: 44.87 ng/ml



#9 Endosulfan I

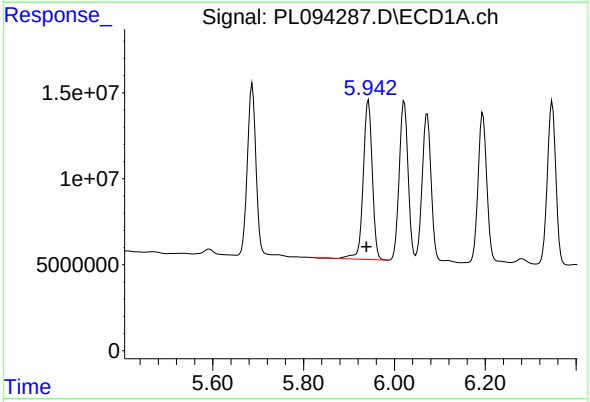
R.T.: 6.072 min
Delta R.T.: 0.005 min
Response: 115062400
Conc: 43.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD



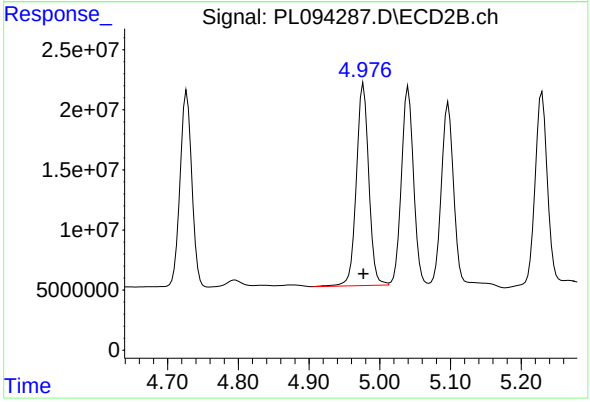
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 177015039
Conc: 45.66 ng/ml



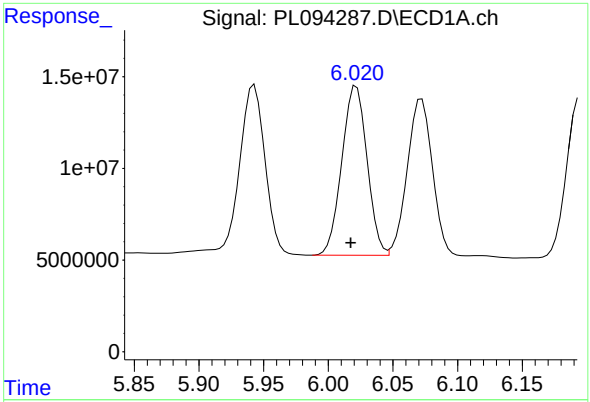
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: 0.005 min
Response: 128333076
Conc: 46.04 ng/ml



#10 gamma-Chlordane

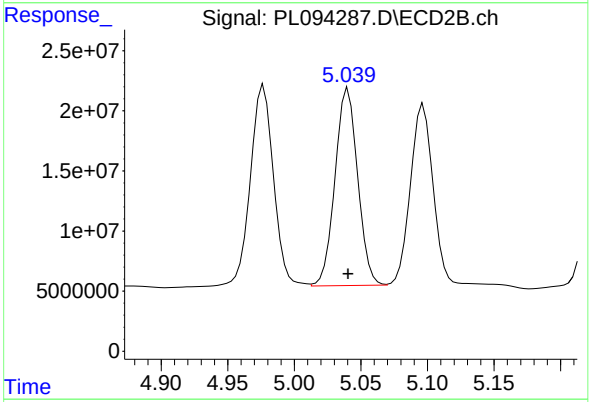
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 204836573
Conc: 48.34 ng/ml



#11 alpha-Chlordane

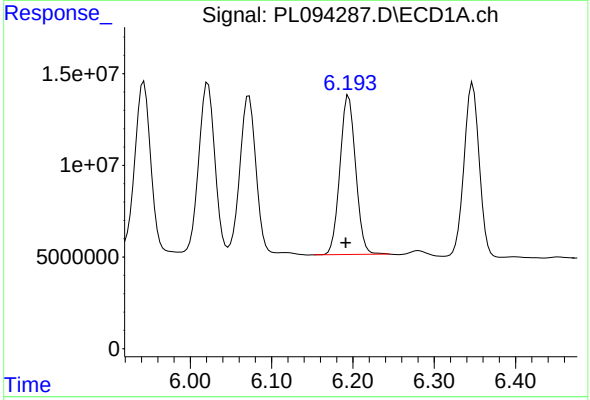
R.T.: 6.022 min
Delta R.T.: 0.004 min
Response: 125287473
Conc: 44.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD



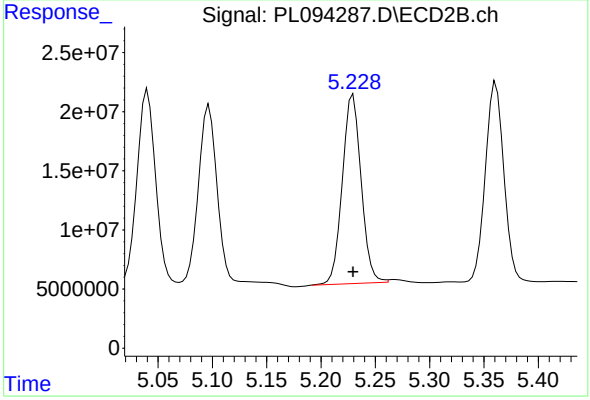
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 194538606
Conc: 46.47 ng/ml



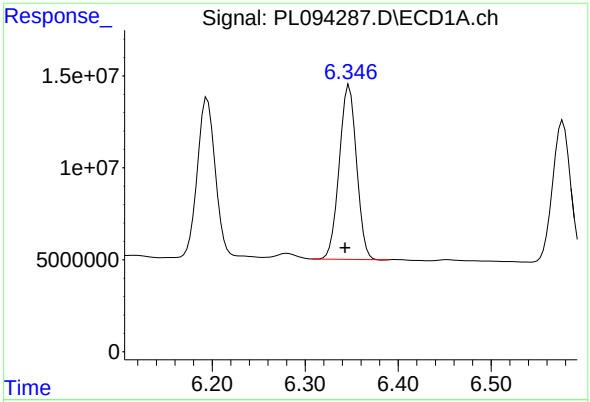
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.004 min
Response: 116094053
Conc: 47.69 ng/ml



#12 4,4'-DDE

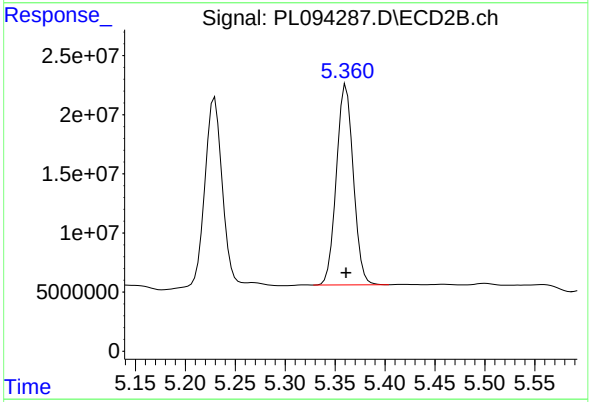
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 192759362
Conc: 48.08 ng/ml



#13 Dieldrin

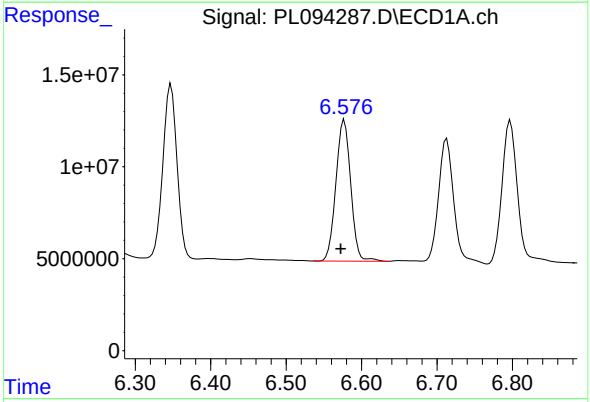
R.T.: 6.347 min
Delta R.T.: 0.005 min
Response: 122363307
Conc: 44.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD



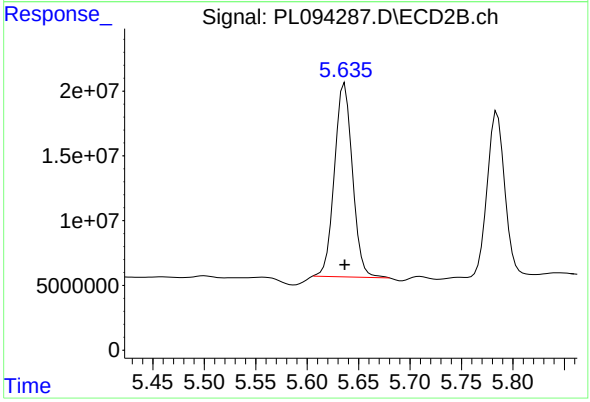
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 200062841
Conc: 46.57 ng/ml



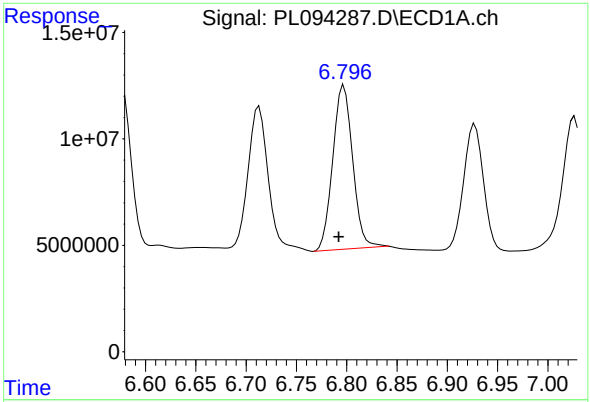
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.005 min
Response: 104948362
Conc: 44.76 ng/ml



#14 Endrin

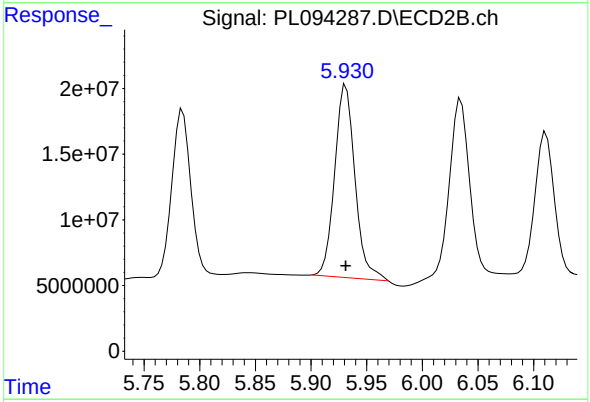
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 182155478
Conc: 49.33 ng/ml



#15 Endosulfan II

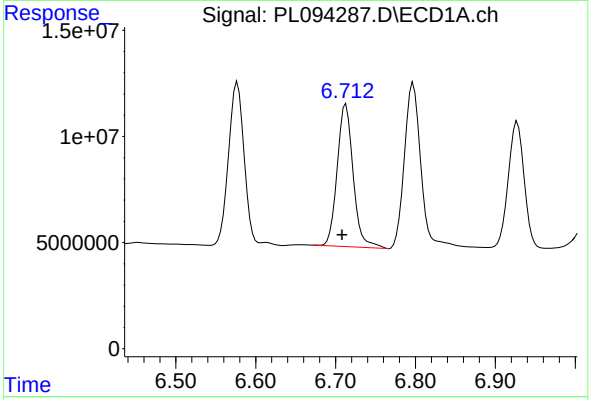
R.T.: 6.797 min
Delta R.T.: 0.005 min
Response: 105572212
Conc: 43.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD



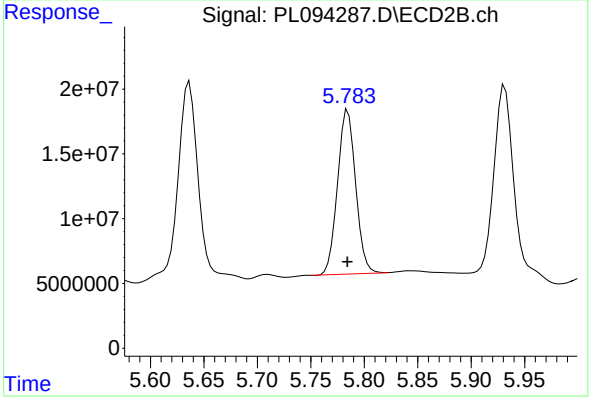
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 185997686
Conc: 50.22 ng/ml



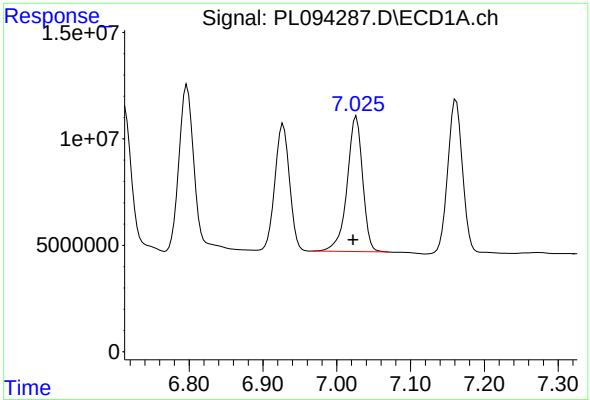
#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: 0.005 min
Response: 93214673
Conc: 49.05 ng/ml



#16 4,4'-DDD

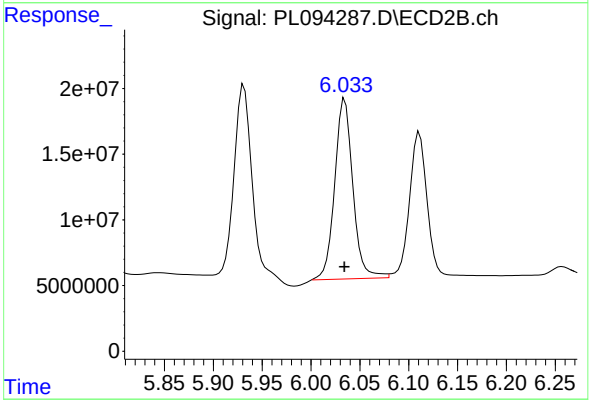
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 149707072
Conc: 47.43 ng/ml



#17 4,4'-DDT

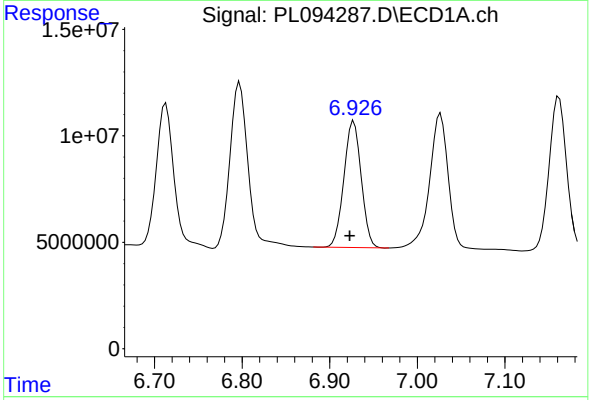
R.T.: 7.026 min
Delta R.T.: 0.004 min
Response: 92851897
Conc: 47.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD



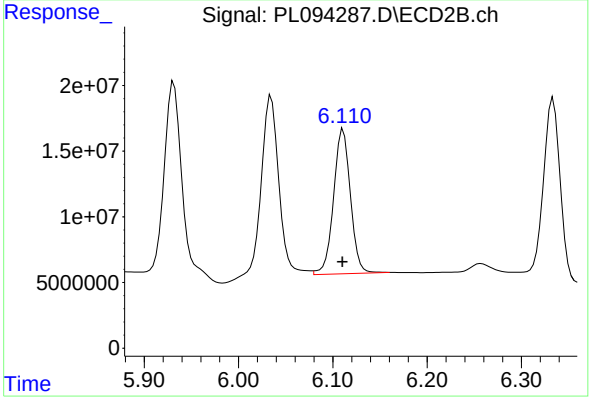
#17 4,4'-DDT

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 177915381
Conc: 54.68 ng/ml



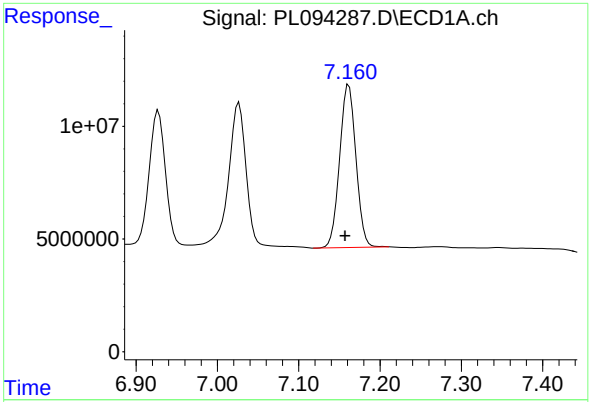
#18 Endrin aldehyde

R.T.: 6.927 min
Delta R.T.: 0.005 min
Response: 81624625
Conc: 41.99 ng/ml



#18 Endrin aldehyde

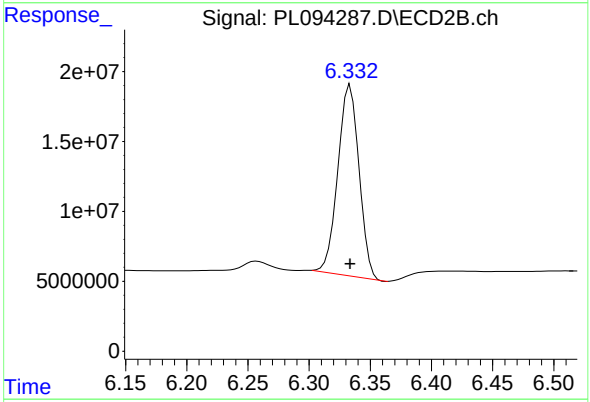
R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 137235982
Conc: 45.07 ng/ml



#19 Endosulfan Sulfate

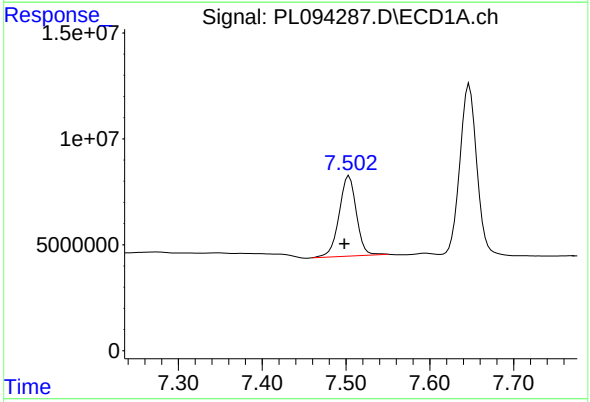
R.T.: 7.162 min
Delta R.T.: 0.005 min
Response: 100287635
Conc: 44.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD



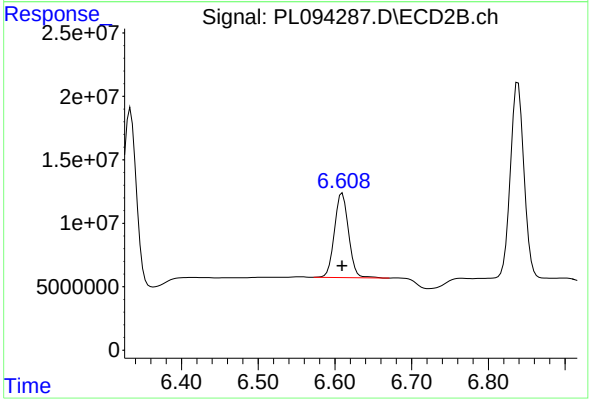
#19 Endosulfan Sulfate

R.T.: 6.334 min
Delta R.T.: 0.000 min
Response: 164752769
Conc: 46.20 ng/ml



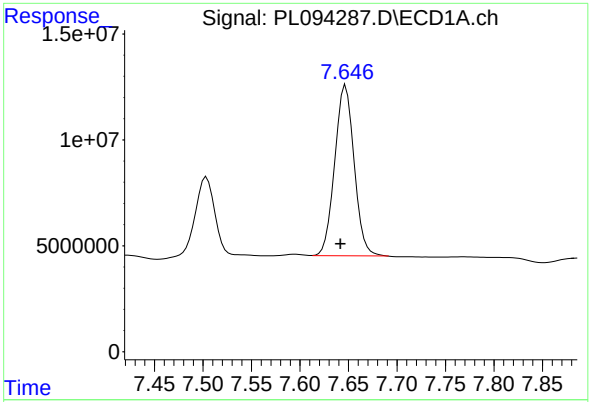
#20 Methoxychlor

R.T.: 7.504 min
Delta R.T.: 0.006 min
Response: 54418599
Conc: 52.16 ng/ml



#20 Methoxychlor

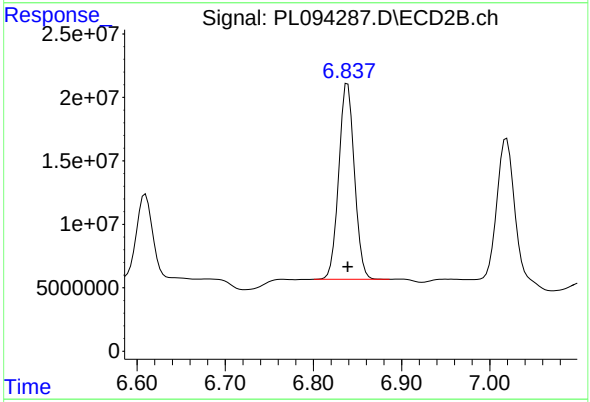
R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 85011989
Conc: 47.54 ng/ml



#21 Endrin ketone

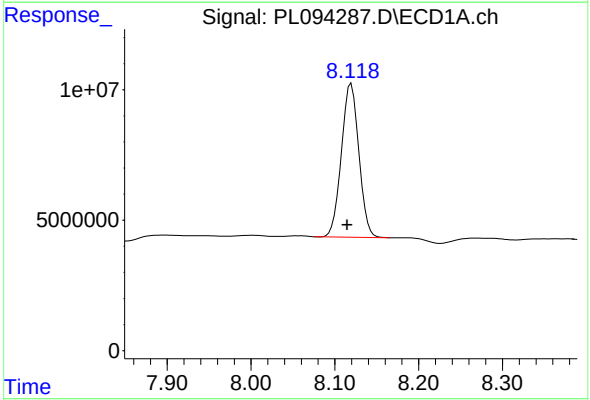
R.T.: 7.647 min
Delta R.T.: 0.005 min
Response: 112194007
Conc: 44.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD



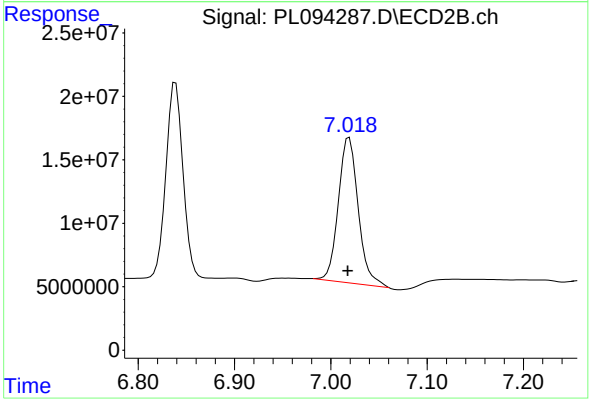
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 190327702
Conc: 45.37 ng/ml



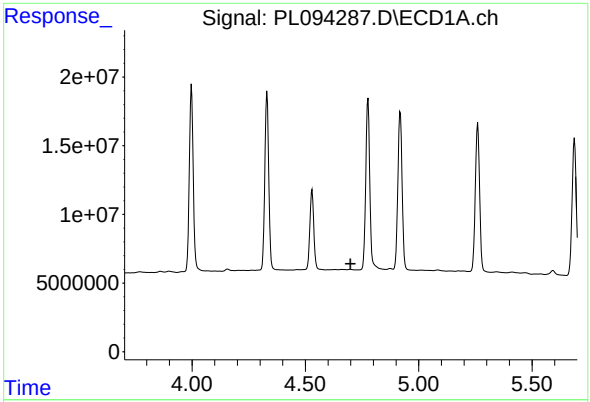
#22 Mirex

R.T.: 8.120 min
Delta R.T.: 0.005 min
Response: 85396100
Conc: 41.01 ng/ml



#22 Mirex

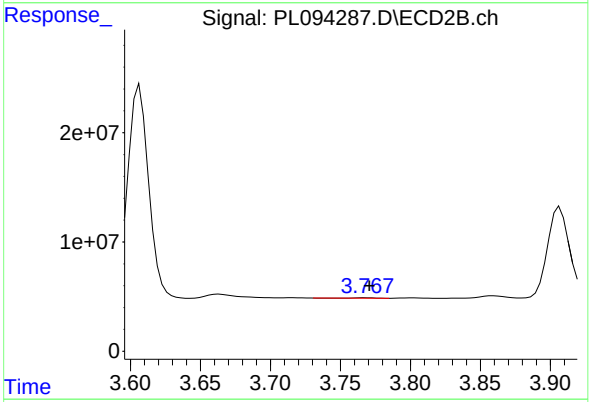
R.T.: 7.019 min
Delta R.T.: 0.002 min
Response: 163499452
Conc: 48.35 ng/ml



#23 Chlordane-1

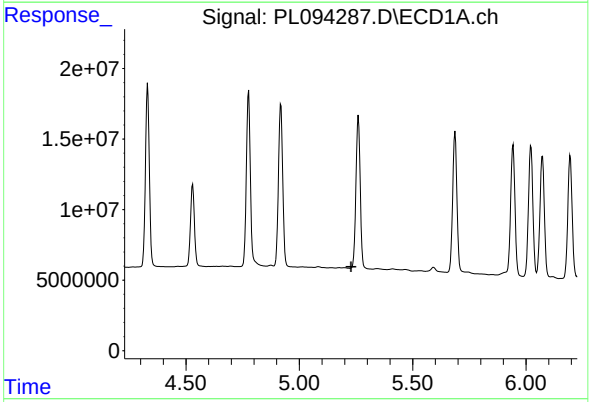
R.T.: 0.000 min
Exp R.T. : 4.700 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD



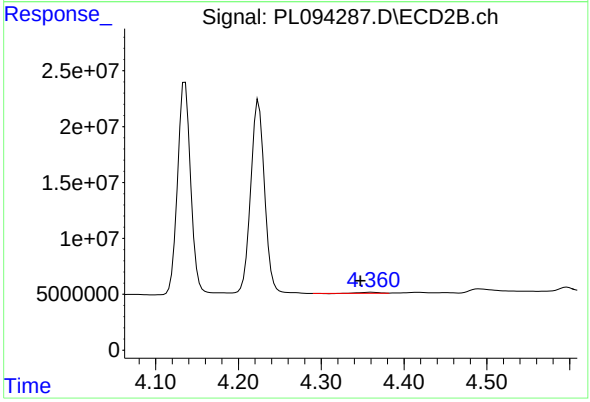
#23 Chlordane-1

R.T.: 3.769 min
Delta R.T.: -0.002 min
Response: 287880
Conc: 2.31 ng/ml



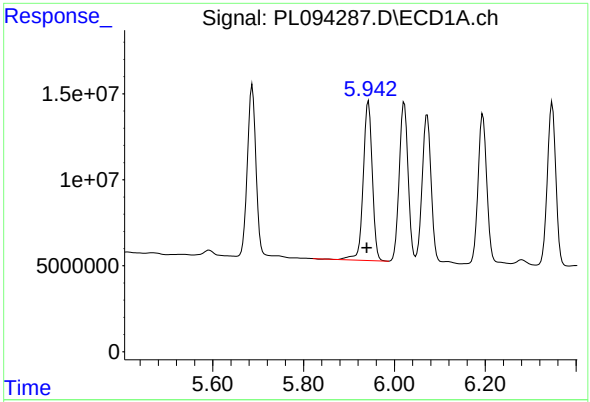
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 5.229 min
Response: 0
Conc: N.D.



#24 Chlordane-2

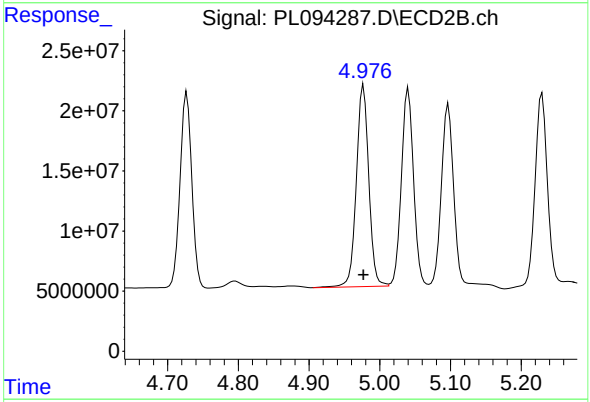
R.T.: 4.361 min
Delta R.T.: 0.014 min
Response: 1308396
Conc: 8.92 ng/ml



#25 Chlordane-3

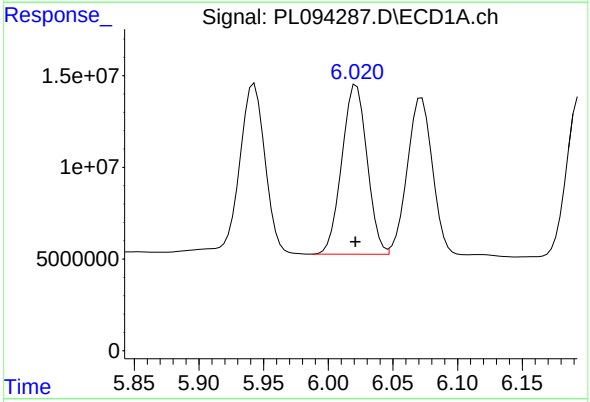
R.T.: 5.943 min
Delta R.T.: 0.004 min
Response: 128333076
Conc: 327.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD



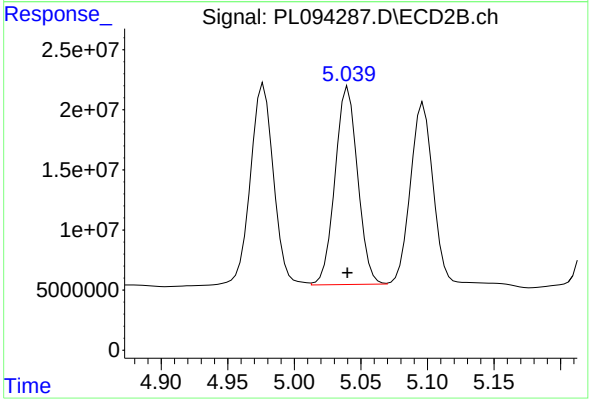
#25 Chlordane-3

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 204836573
Conc: 471.08 ng/ml



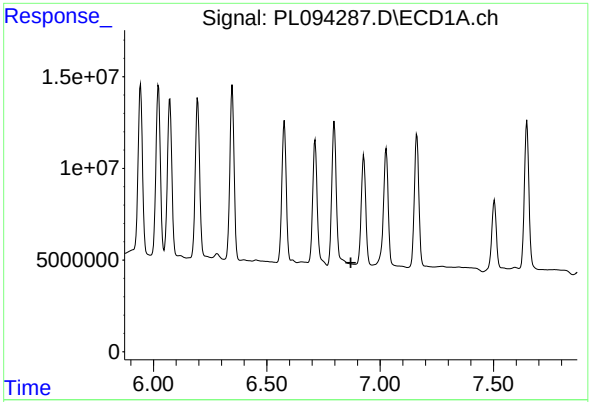
#26 Chlordane-4

R.T.: 6.022 min
Delta R.T.: 0.000 min
Response: 125287473
Conc: 266.51 ng/ml



#26 Chlordane-4

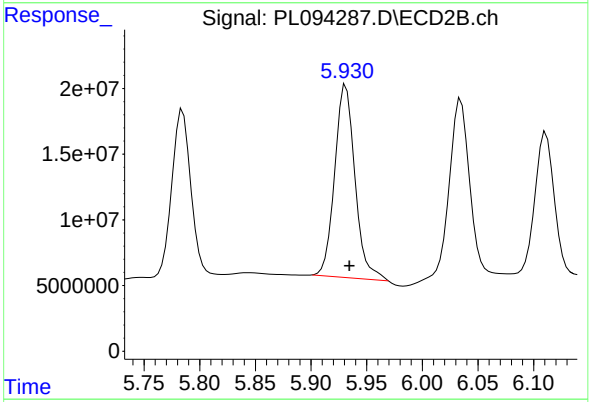
R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 194538606
Conc: 459.18 ng/ml



#27 Chlordane-5

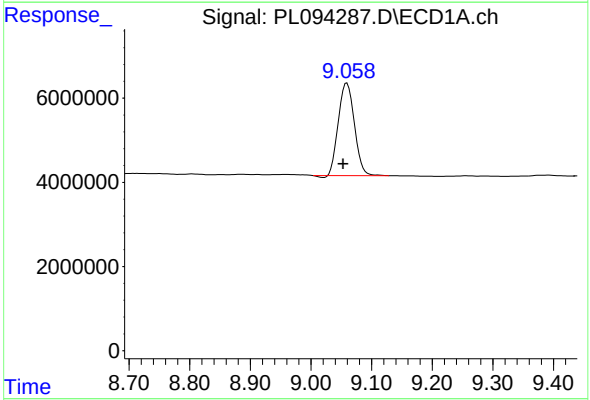
R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-11-021725MSD



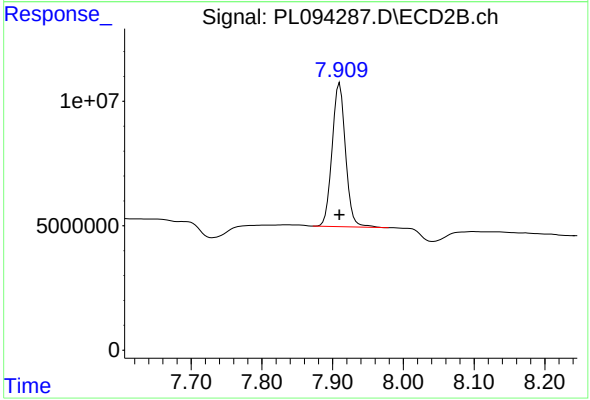
#27 Chlordane-5

R.T.: 5.931 min
Delta R.T.: -0.003 min
Response: 185997686
Conc: 1214.38 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: 0.006 min
Response: 40282362
Conc: 19.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 76139224
Conc: 21.73 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094292.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 10:02
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:33:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.542	2.771	56416408	67543630	20.951	20.693	
28)	SA Decachlor...	9.059	7.908	47651787	78562498	22.779	22.420	
	Target Compounds							
2)	A alpha-BHC	3.998	3.273	41685552	48678675	10.873	9.957	
3)	MA gamma-BHC...	4.330	3.604	39720560	45682319	10.785	9.635	
4)	MA Heptachlor	0.000	3.965f	0	51144	N.D.	0.011	#
5)	MB Aldrin	0.000	4.238	0	583212	N.D.	0.128	#
6)	B beta-BHC	4.529	3.904	17629141	22663533	10.968	11.346	
7)	B delta-BHC	0.000	4.132	0	147240	N.D.	0.031	#
8)	B Heptachlo...	5.684	4.735	2312141	24565	0.777	0.006	#
10)	B gamma-Chl...	0.000	4.985	0	4982025	N.D.	1.176	#
11)	B alpha-Chl...	0.000	5.050	0	7005214	N.D.	1.673	#
12)	B 4,4'-DDE	0.000	5.228	0	2658372	N.D.	0.663	#
13)	MA Dieldrin	0.000	5.361	0	281200	N.D.	0.065	#
14)	MA Endrin	6.577	5.634	116.7E6	181.6E6	49.765	49.183	
15)	B Endosulfa...	0.000	5.943	0	1364340	N.D.	0.368	#
16)	A 4,4'-DDD	6.713	5.783	8825775	13153614	4.644	4.167	
17)	MA 4,4'-DDT	7.027	6.032	194.0E6	370.4E6	98.354	113.817	
18)	B Endrin al...	6.927	6.108	4723791	8792204	2.430	2.888	
19)	B Endosulfa...	0.000	6.318f	0	243980	N.D.	0.068	#
20)	A Methoxychlor	7.503	6.607	242.9E6	452.9E6	232.822	253.269	
21)	B Endrin ke...	7.645	6.836	10292661	16257401	4.080	3.875	
22)	Mirex	0.000	7.022	0	683229	N.D.	0.202	#
24)	Chlordane-2	0.000	4.346	0	2921498	N.D.	19.912	#
25)	Chlordane-3	0.000	4.985	0	4982025	N.D.	11.458	#
26)	Chlordane-4	0.000	5.050	0	7005214	N.D.	16.535	#
27)	Chlordane-5	0.000	5.943	0	1364340	N.D.	8.908	#

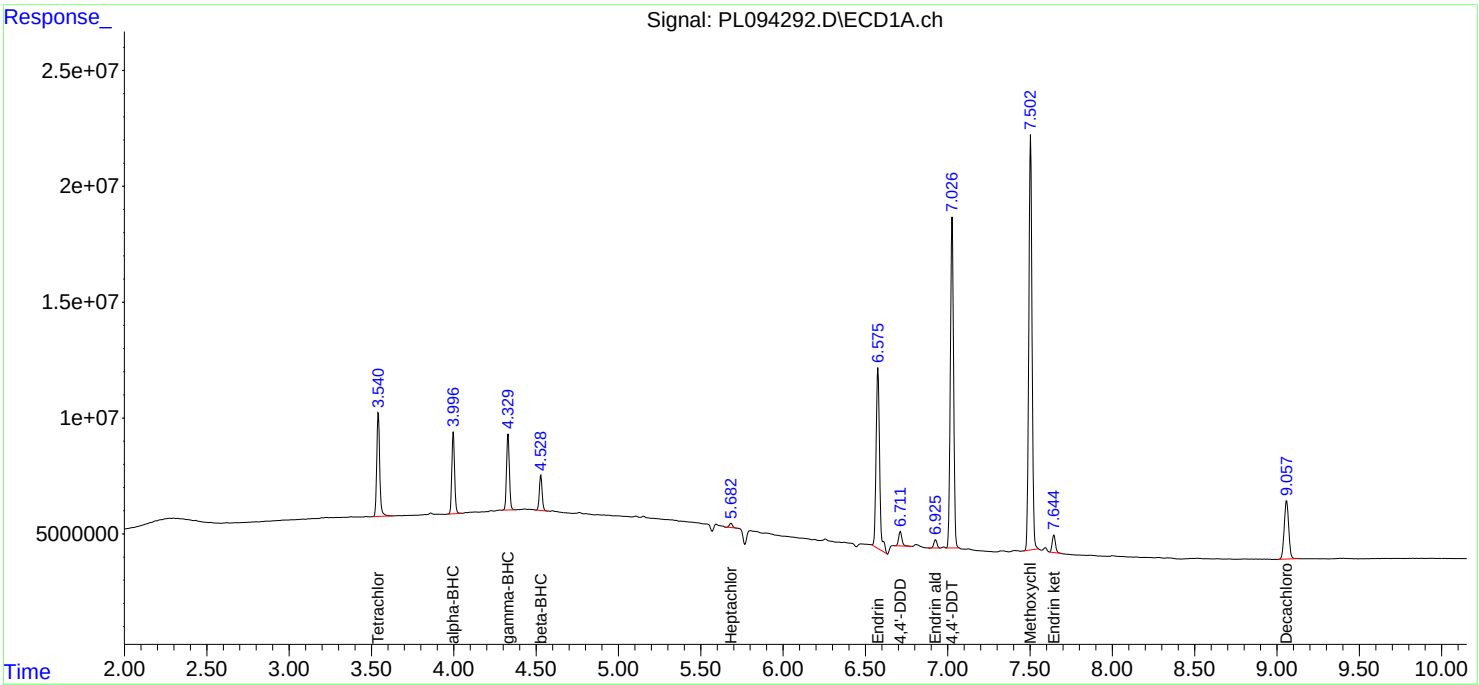
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

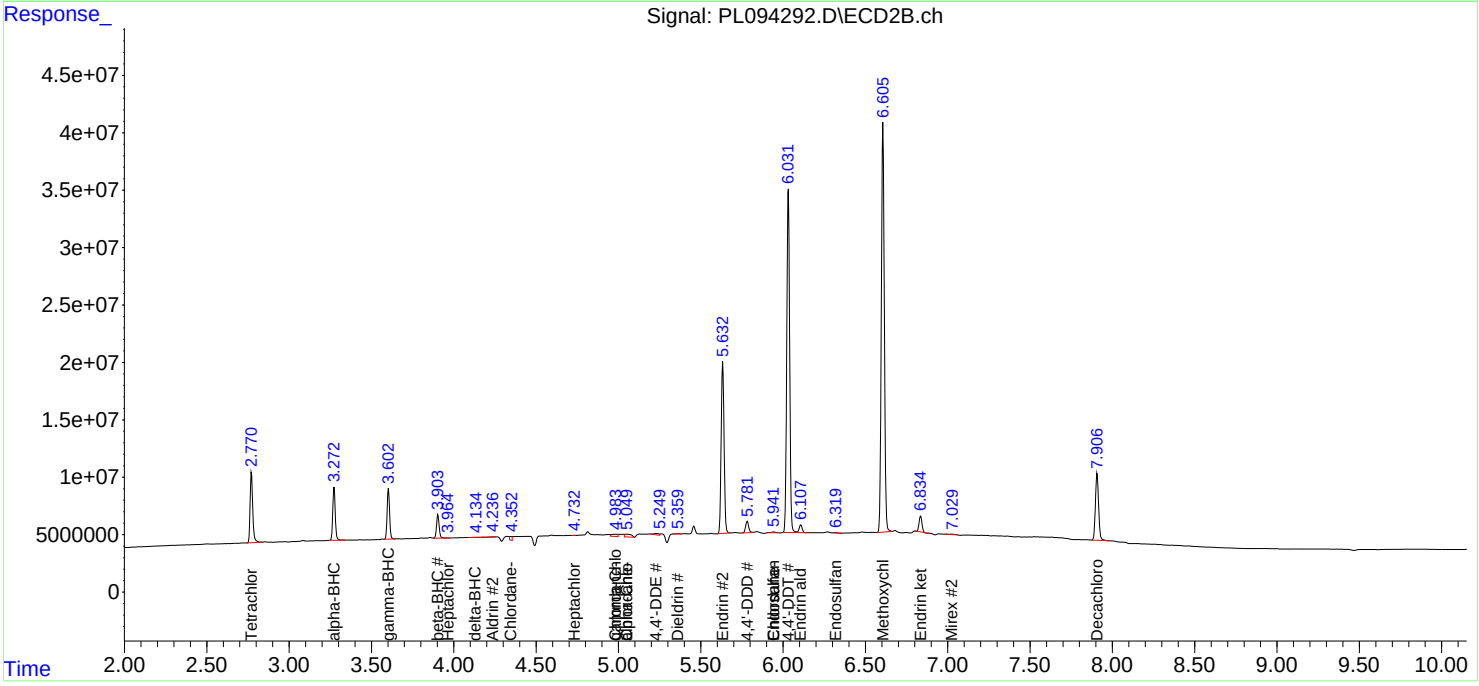
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094292.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 10:02
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

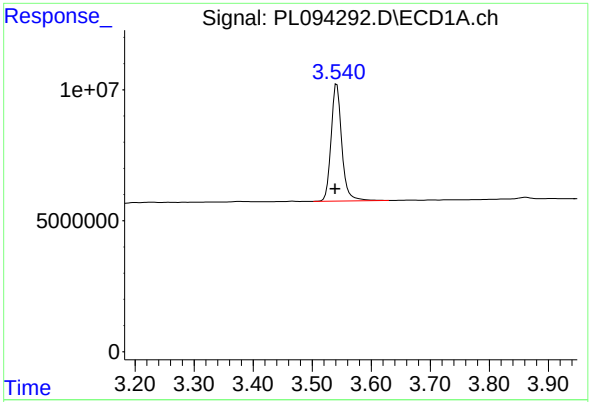
Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:33:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



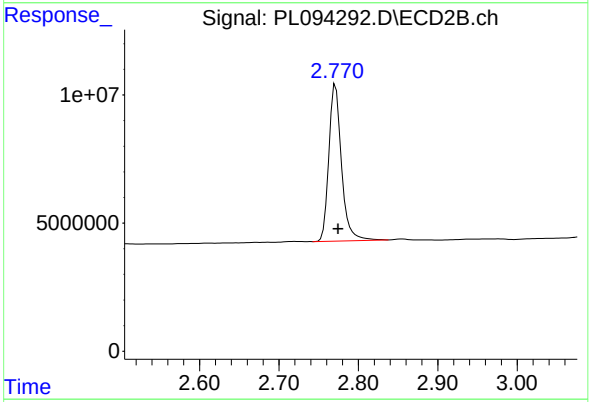




#1 Tetrachloro-m-xylene

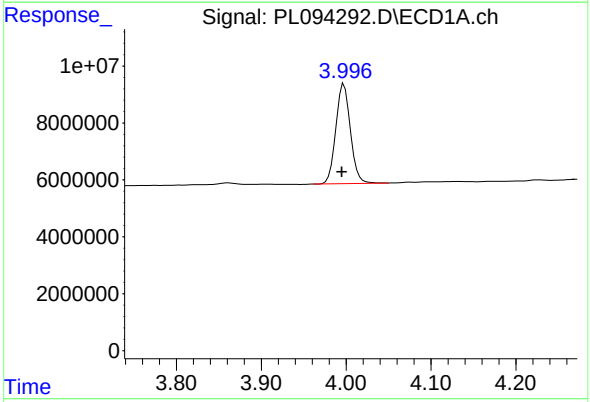
R.T.: 3.542 min
Delta R.T.: 0.003 min
Response: 56416408
Conc: 20.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



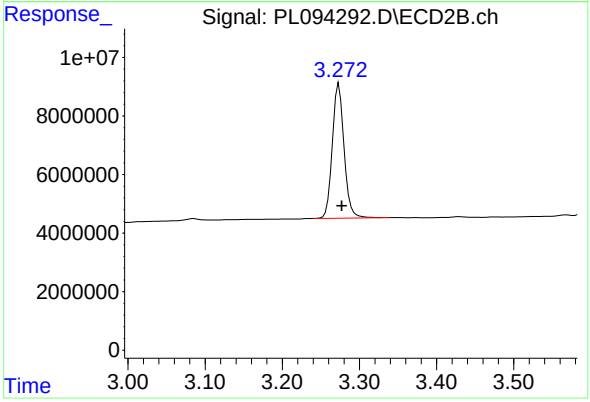
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 67543630
Conc: 20.69 ng/ml



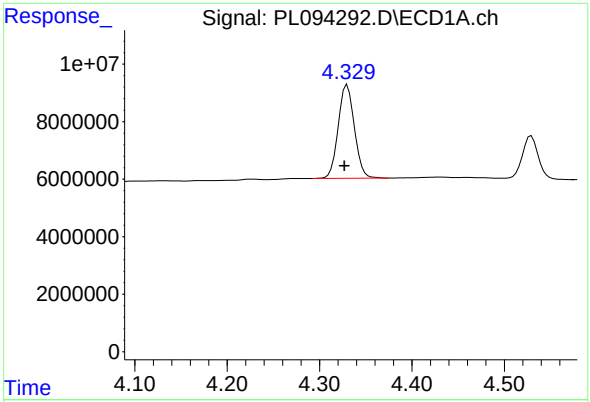
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.003 min
Response: 41685552
Conc: 10.87 ng/ml



#2 alpha-BHC

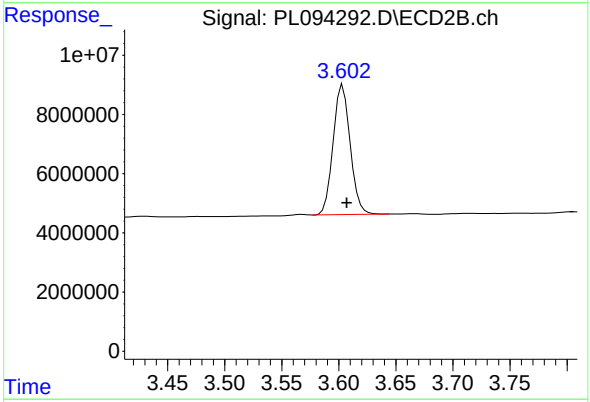
R.T.: 3.273 min
Delta R.T.: -0.003 min
Response: 48678675
Conc: 9.96 ng/ml



#3 gamma-BHC (Lindane)

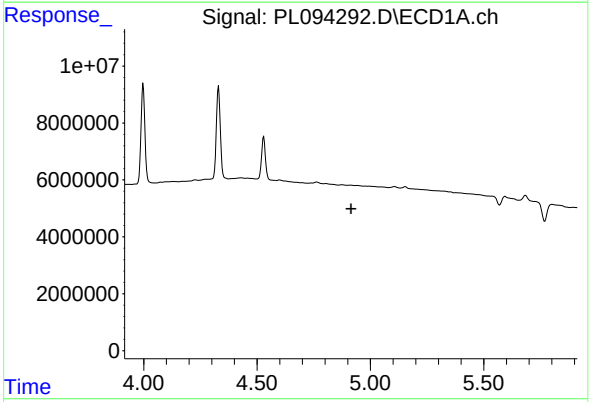
R.T.: 4.330 min
Delta R.T.: 0.003 min
Response: 39720560
Conc: 10.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



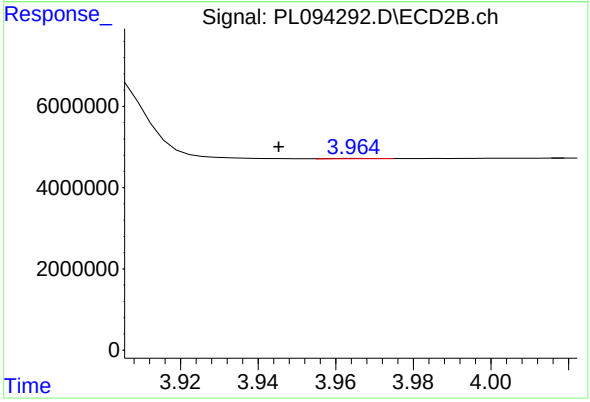
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: -0.003 min
Response: 45682319
Conc: 9.64 ng/ml



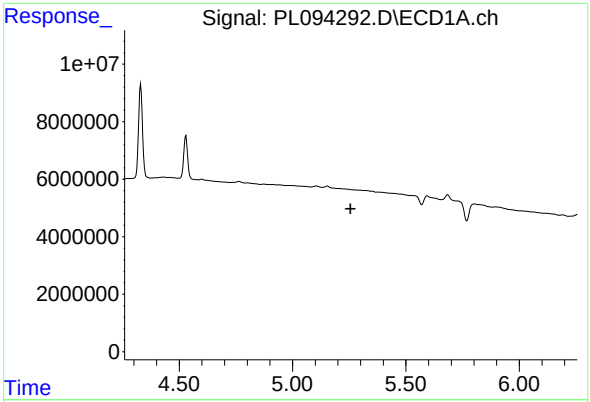
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.914 min
Response: 0
Conc: N.D.



#4 Heptachlor

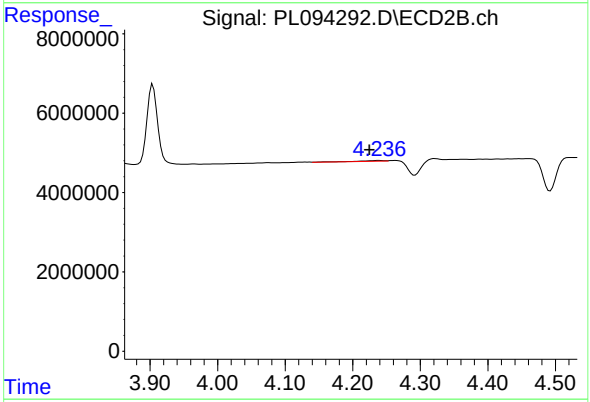
R.T.: 3.965 min
Delta R.T.: 0.020 min
Response: 51144
Conc: 0.01 ng/ml



#5 Aldrin

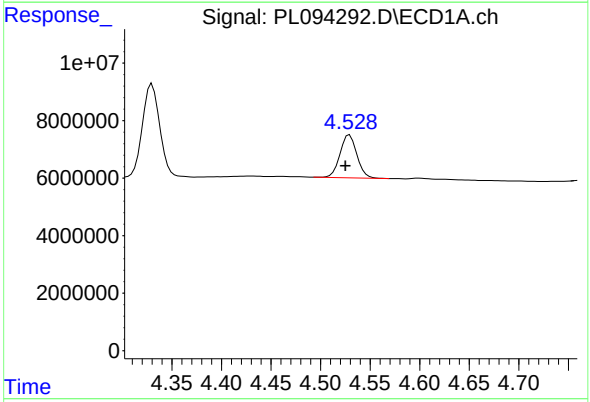
R.T.: 0.000 min
Exp R.T. : 5.256 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



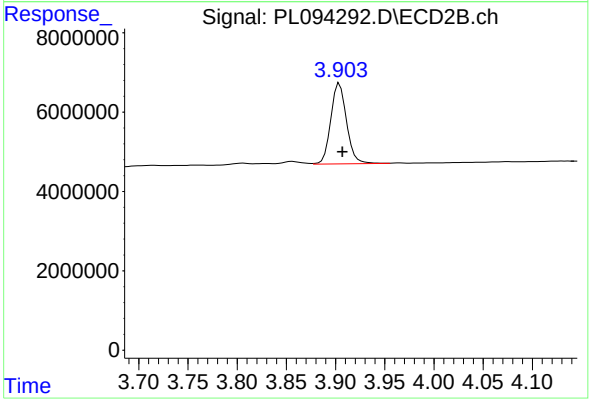
#5 Aldrin

R.T.: 4.238 min
Delta R.T.: 0.013 min
Response: 583212
Conc: 0.13 ng/ml



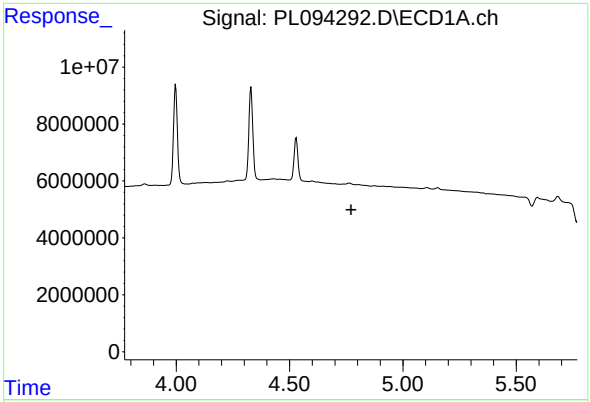
#6 beta-BHC

R.T.: 4.529 min
Delta R.T.: 0.004 min
Response: 17629141
Conc: 10.97 ng/ml



#6 beta-BHC

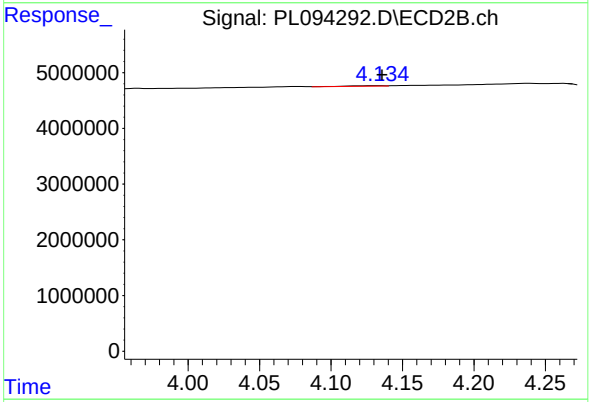
R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 22663533
Conc: 11.35 ng/ml



#7 delta-BHC

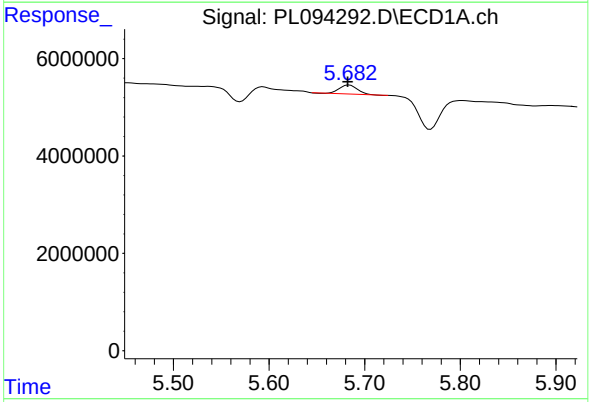
R.T.: 0.000 min
Exp R.T. : 4.772 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



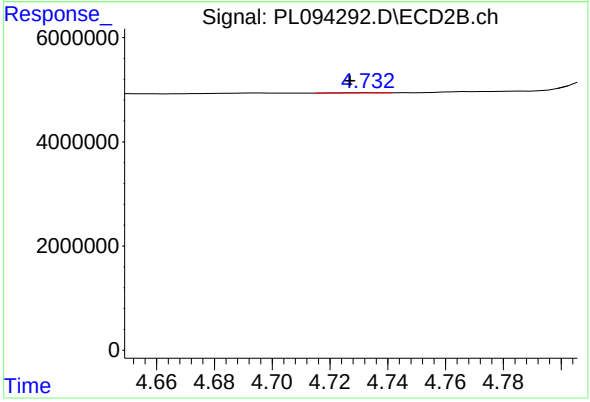
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.004 min
Response: 147240
Conc: 0.03 ng/ml



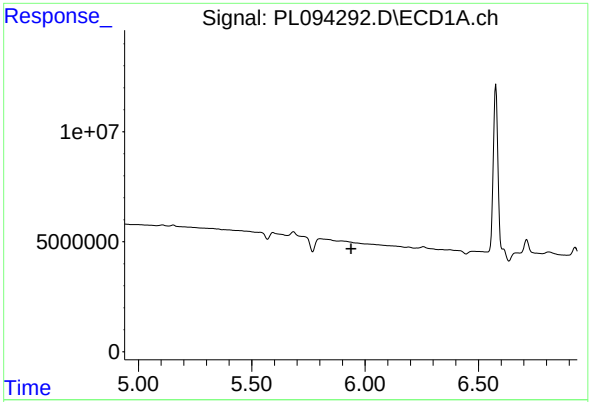
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.002 min
Response: 2312141
Conc: 0.78 ng/ml



#8 Heptachlor epoxide

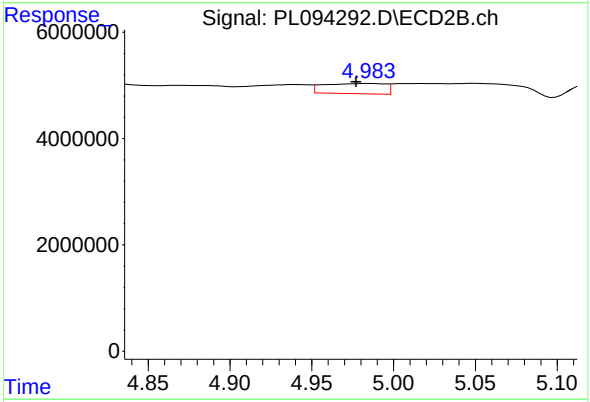
R.T.: 4.735 min
Delta R.T.: 0.008 min
Response: 24565
Conc: 0.01 ng/ml



#10 gamma-Chlordane

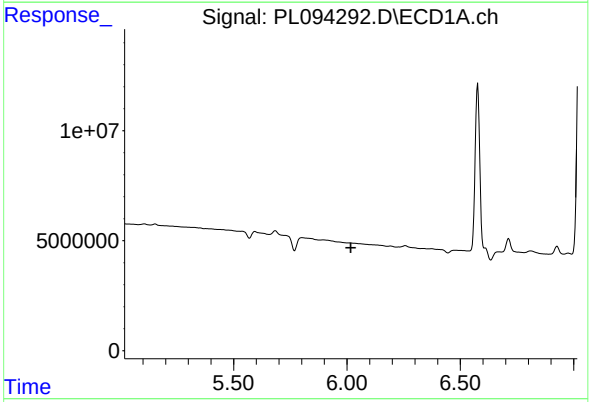
R.T.: 0.000 min
Exp R.T. : 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



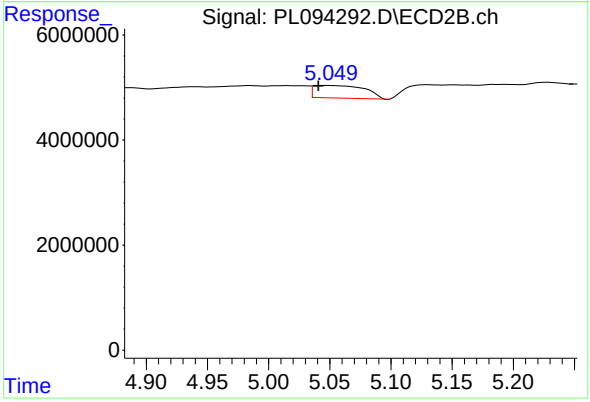
#10 gamma-Chlordane

R.T.: 4.985 min
Delta R.T.: 0.008 min
Response: 4982025
Conc: 1.18 ng/ml



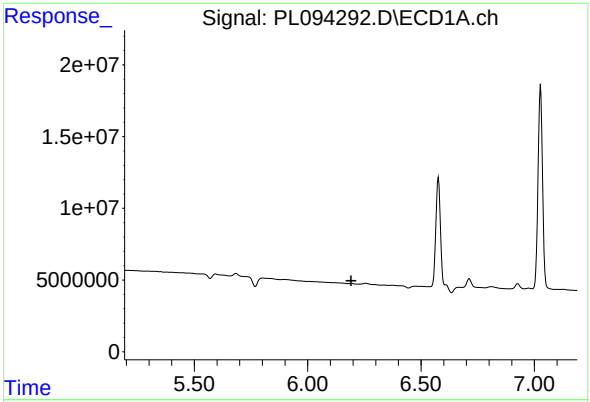
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T. : 6.017 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

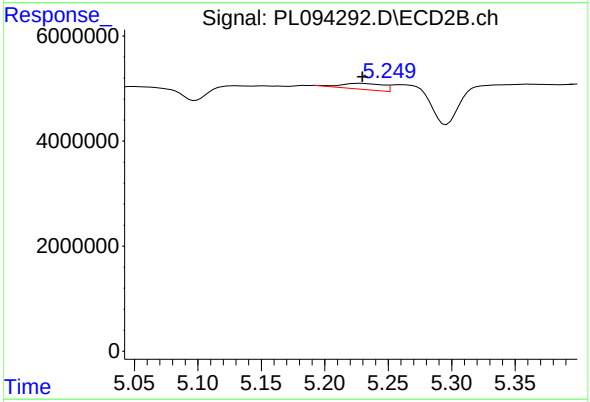
R.T.: 5.050 min
Delta R.T.: 0.009 min
Response: 7005214
Conc: 1.67 ng/ml



#12 4,4'-DDE

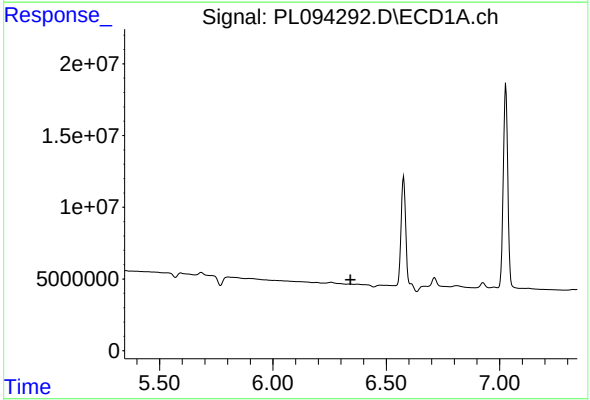
R.T.: 0.000 min
Exp R.T. : 6.191 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



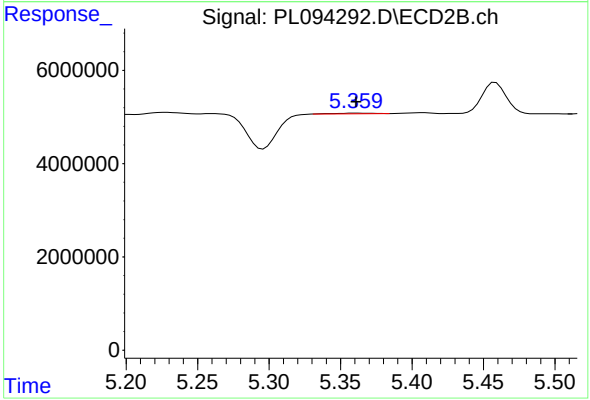
#12 4,4'-DDE

R.T.: 5.228 min
Delta R.T.: -0.001 min
Response: 2658372
Conc: 0.66 ng/ml



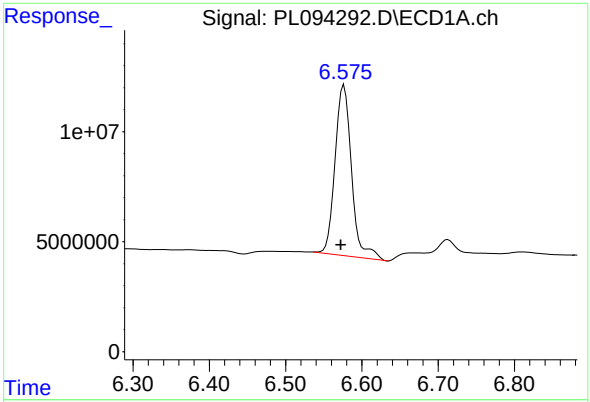
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.343 min
Response: 0
Conc: N.D.



#13 Dieldrin

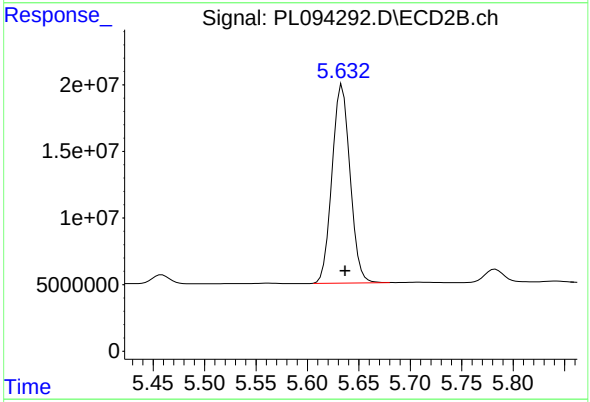
R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 281200
Conc: 0.07 ng/ml



#14 Endrin

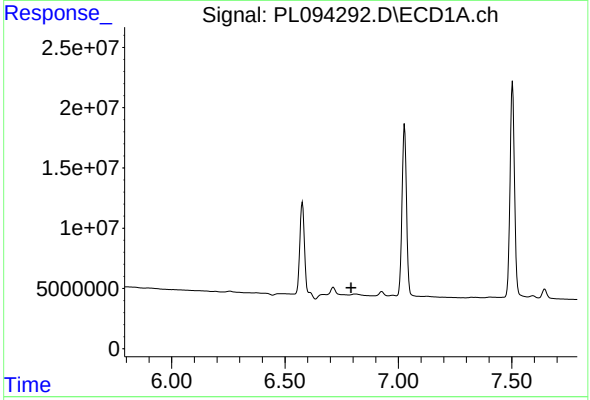
R.T.: 6.577 min
Delta R.T.: 0.004 min
Response: 116689423
Conc: 49.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



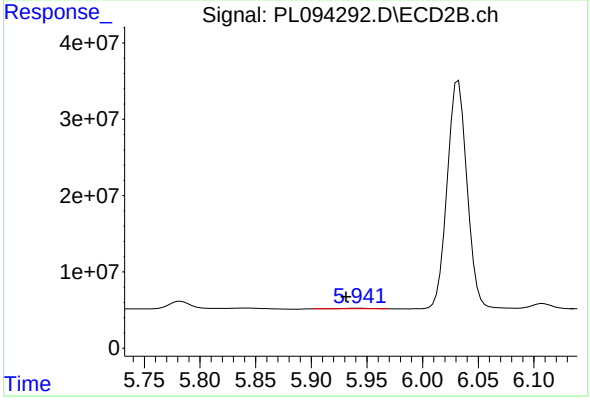
#14 Endrin

R.T.: 5.634 min
Delta R.T.: -0.003 min
Response: 181616721
Conc: 49.18 ng/ml



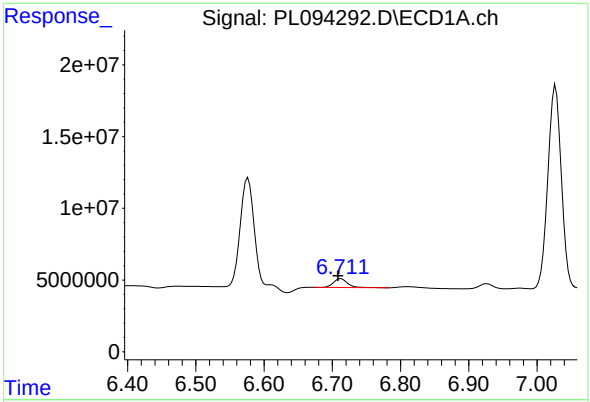
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.792 min
Response: 0
Conc: N.D.



#15 Endosulfan II

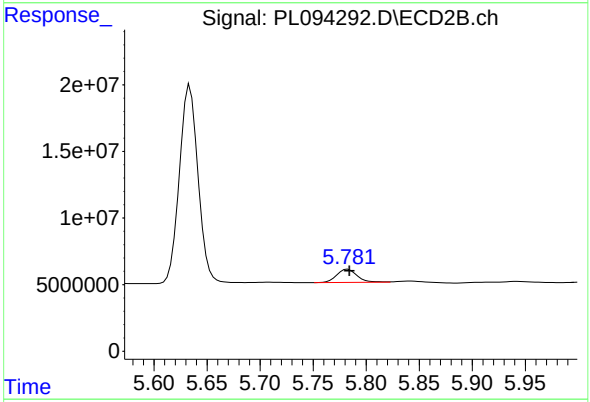
R.T.: 5.943 min
Delta R.T.: 0.011 min
Response: 1364340
Conc: 0.37 ng/ml



#16 4,4'-DDD

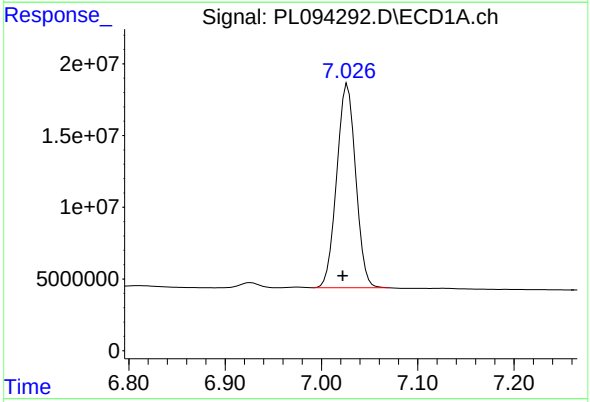
R.T.: 6.713 min
Delta R.T.: 0.005 min
Response: 8825775
Conc: 4.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



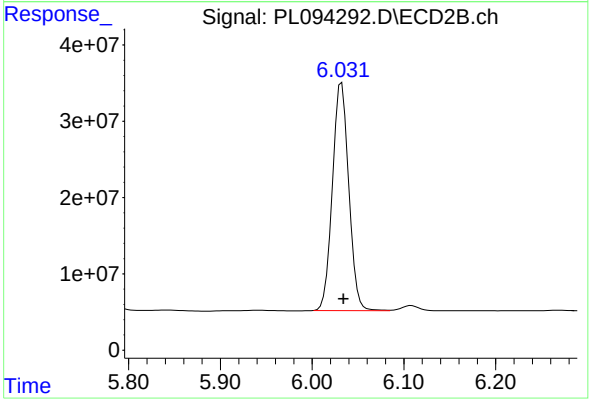
#16 4,4'-DDD

R.T.: 5.783 min
Delta R.T.: -0.002 min
Response: 13153614
Conc: 4.17 ng/ml



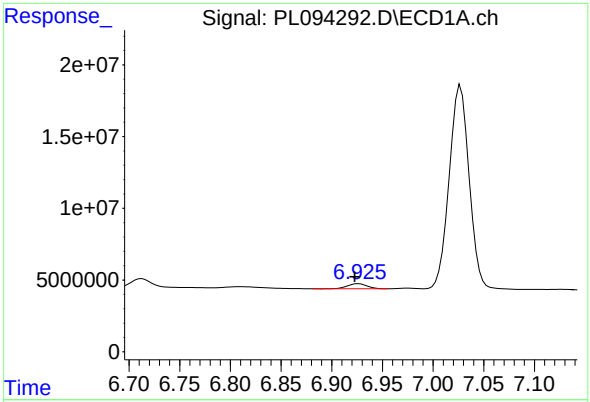
#17 4,4'-DDT

R.T.: 7.027 min
Delta R.T.: 0.005 min
Response: 193958764
Conc: 98.35 ng/ml



#17 4,4'-DDT

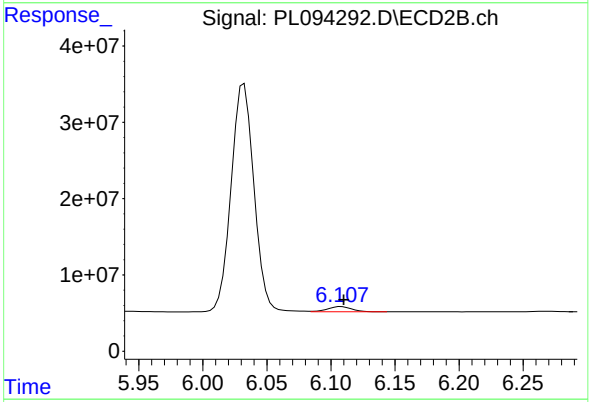
R.T.: 6.032 min
Delta R.T.: -0.002 min
Response: 370364627
Conc: 113.82 ng/ml



#18 Endrin aldehyde

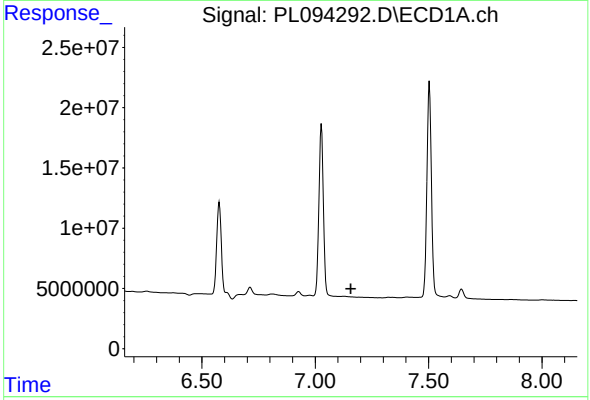
R.T.: 6.927 min
Delta R.T.: 0.004 min
Response: 4723791
Conc: 2.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



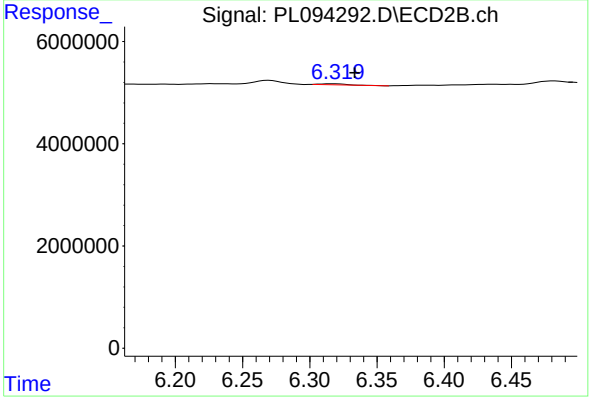
#18 Endrin aldehyde

R.T.: 6.108 min
Delta R.T.: -0.002 min
Response: 8792204
Conc: 2.89 ng/ml



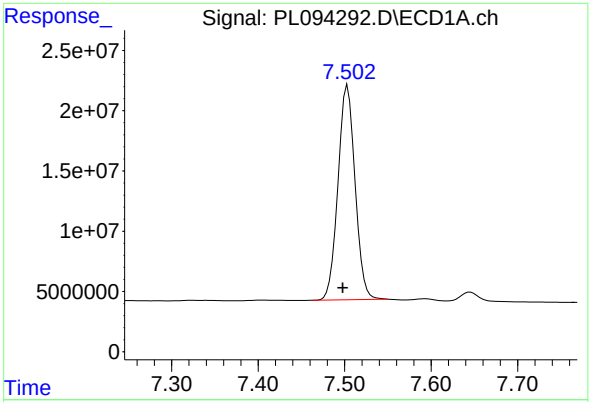
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T. : 7.157 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

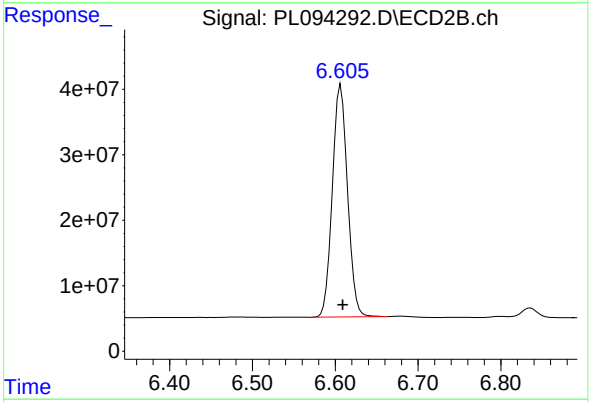
R.T.: 6.318 min
Delta R.T.: -0.016 min
Response: 243980
Conc: 0.07 ng/ml



#20 Methoxychlor

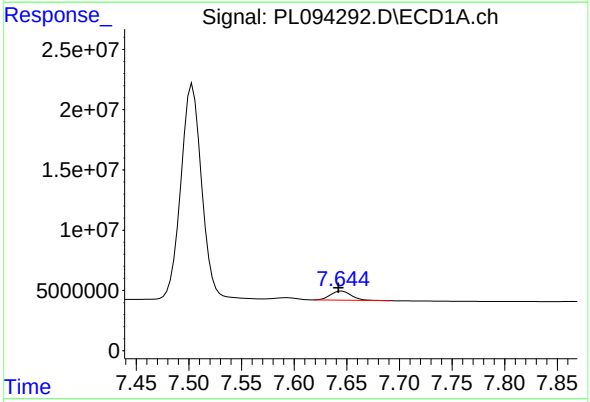
R.T.: 7.503 min
Delta R.T.: 0.006 min
Response: 242925780
Conc: 232.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



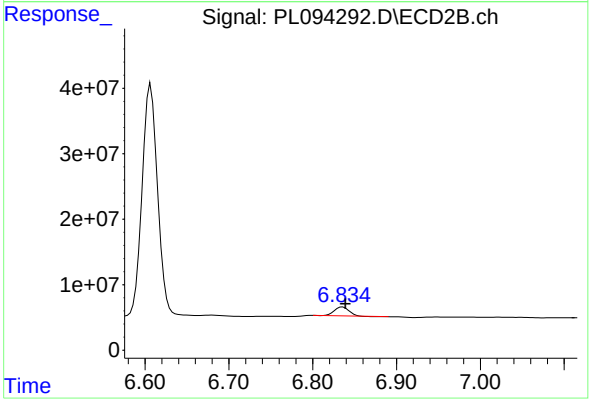
#20 Methoxychlor

R.T.: 6.607 min
Delta R.T.: -0.003 min
Response: 452879008
Conc: 253.27 ng/ml



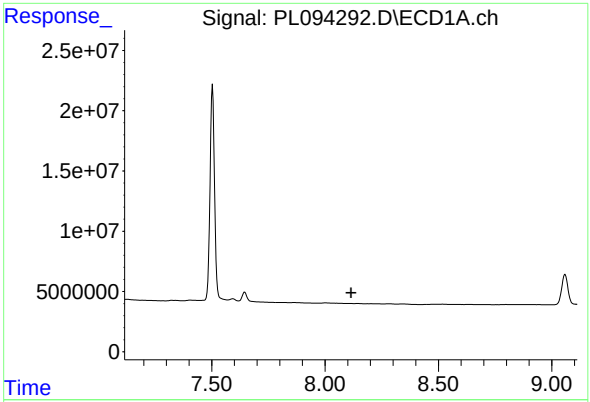
#21 Endrin ketone

R.T.: 7.645 min
Delta R.T.: 0.003 min
Response: 10292661
Conc: 4.08 ng/ml



#21 Endrin ketone

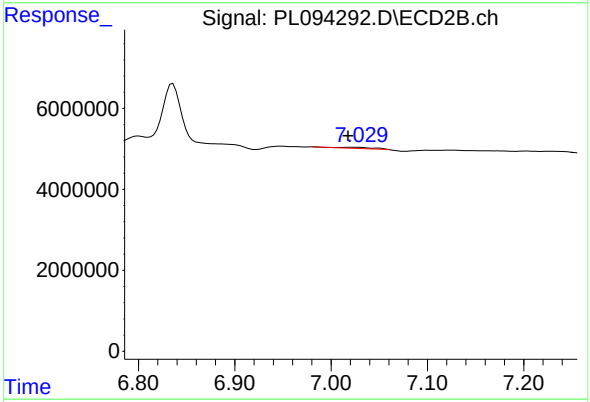
R.T.: 6.836 min
Delta R.T.: -0.003 min
Response: 16257401
Conc: 3.88 ng/ml



#22 Mirex

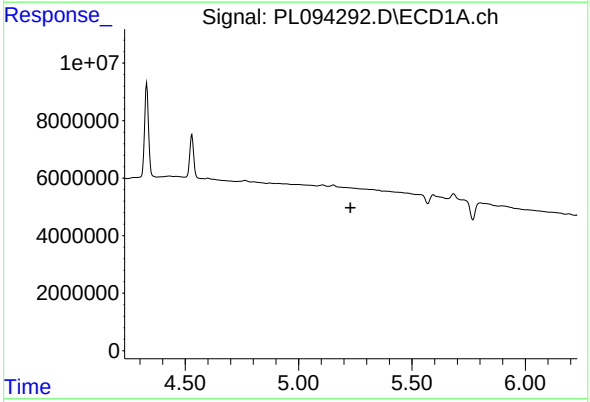
R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



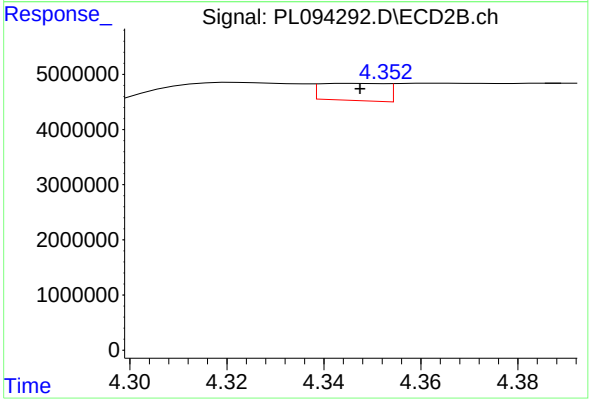
#22 Mirex

R.T.: 7.022 min
Delta R.T.: 0.005 min
Response: 683229
Conc: 0.20 ng/ml



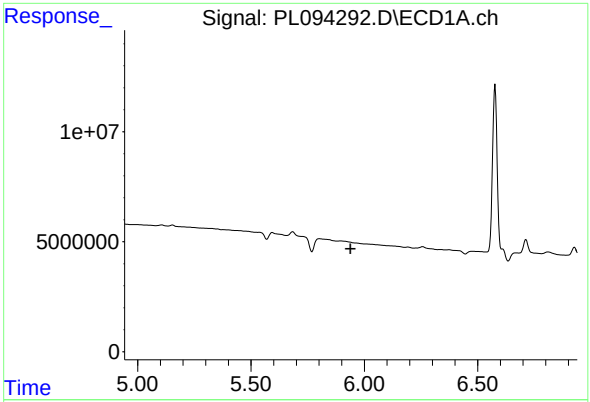
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 5.229 min
Response: 0
Conc: N.D.



#24 Chlordane-2

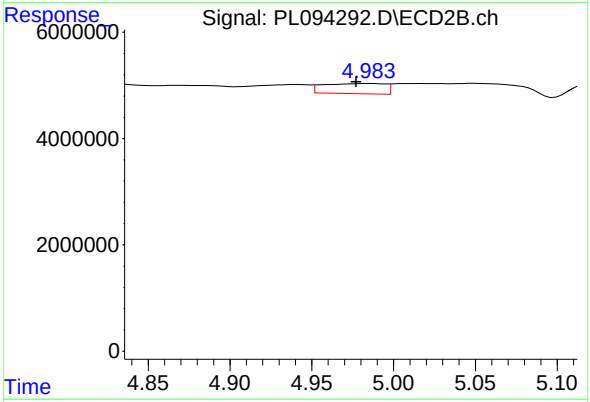
R.T.: 4.346 min
Delta R.T.: 0.000 min
Response: 2921498
Conc: 19.91 ng/ml



#25 Chlordane-3

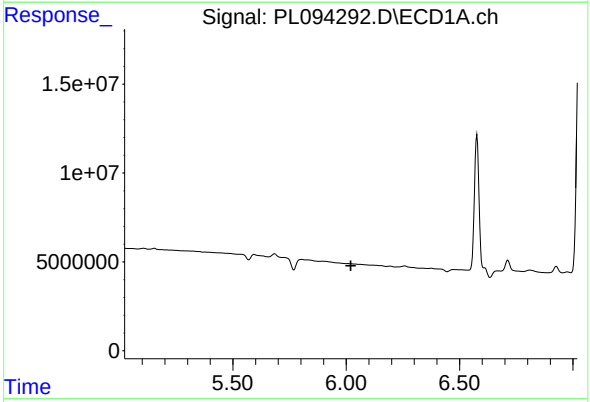
R.T.: 0.000 min
Exp R.T. : 5.939 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



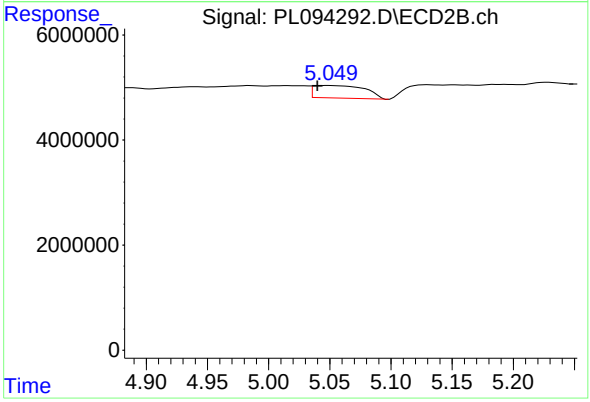
#25 Chlordane-3

R.T.: 4.985 min
Delta R.T.: 0.008 min
Response: 4982025
Conc: 11.46 ng/ml



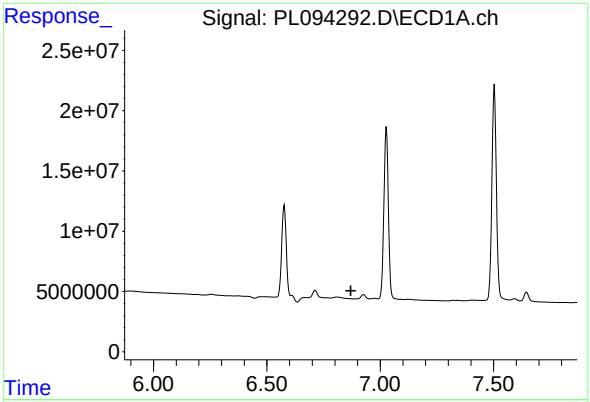
#26 Chlordane-4

R.T.: 0.000 min
Exp R.T. : 6.021 min
Response: 0
Conc: N.D.



#26 Chlordane-4

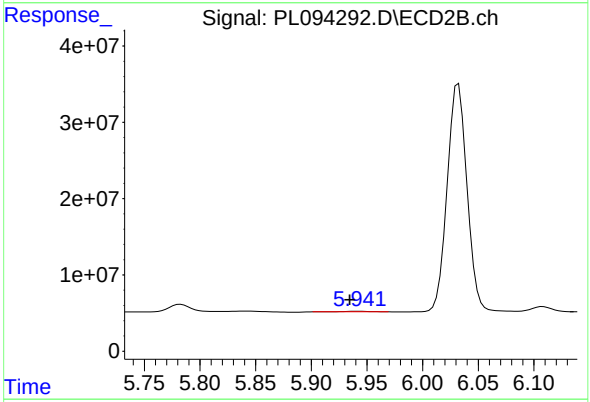
R.T.: 5.050 min
Delta R.T.: 0.010 min
Response: 7005214
Conc: 16.53 ng/ml



#27 Chlordane-5

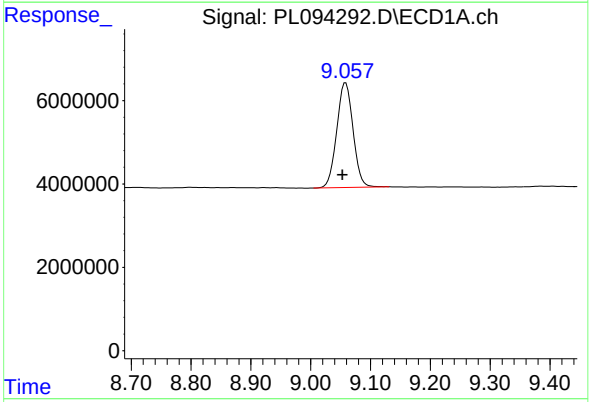
R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



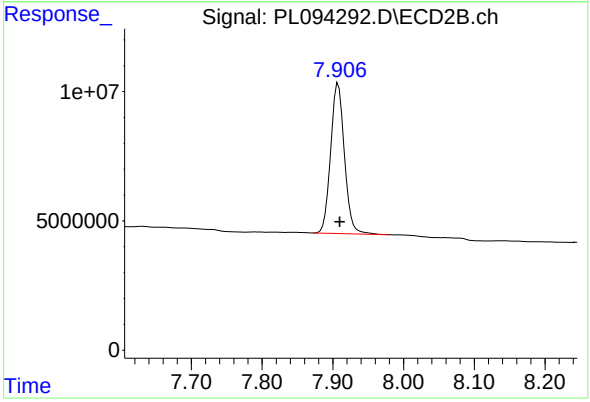
#27 Chlordane-5

R.T.: 5.943 min
Delta R.T.: 0.008 min
Response: 1364340
Conc: 8.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: 0.006 min
Response: 47651787
Conc: 22.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.908 min
Delta R.T.: -0.002 min
Response: 78562498
Conc: 22.42 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094293.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 10:16
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:34:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.537	2.772	129.4E6	169.9E6	48.058	52.058
28)	SA Decachlor...	9.053	7.907	108.4E6	193.1E6	51.822	55.099
	Target Compounds						
2)	A alpha-BHC	3.993	3.274	192.4E6	262.0E6	50.193	53.586
3)	MA gamma-BHC...	4.326	3.604	186.8E6	254.2E6	50.716	53.619
4)	MA Heptachlor	4.914	3.942	168.6E6	245.9E6	51.439	52.830
5)	MB Aldrin	5.255	4.221	171.8E6	247.8E6	52.503	54.331
6)	B beta-BHC	4.524	3.904	80945065	105.6E6	50.360	52.870
7)	B delta-BHC	4.771	4.133	182.4E6	255.1E6	52.039	53.682
8)	B Heptachlo...	5.682	4.723	153.1E6	227.2E6	51.486	54.345
9)	A Endosulfan I	6.067	5.093	135.9E6	206.0E6	51.403	53.134
10)	B gamma-Chl...	5.938	4.973	146.2E6	231.1E6	52.464	54.541
11)	B alpha-Chl...	6.016	5.037	145.2E6	228.6E6	52.057	54.609
12)	B 4,4'-DDE	6.191	5.226	135.4E6	226.9E6	55.635	56.584
13)	MA Dieldrin	6.342	5.357	143.2E6	232.6E6	51.592	54.157
14)	MA Endrin	6.572	5.633	116.7E6	190.6E6	49.769	51.618
15)	B Endosulfa...	6.792	5.927	123.2E6	201.5E6	51.133	54.405
16)	A 4,4'-DDD	6.709	5.781	106.2E6	187.0E6	55.881	59.248
17)	MA 4,4'-DDT	7.022	6.031	101.9E6	178.5E6	51.652	54.851
18)	B Endrin al...	6.922	6.107	100.4E6	164.9E6	51.642	54.163
19)	B Endosulfa...	7.157	6.330	113.9E6	193.5E6	50.319	54.272
20)	A Methoxychlor	7.498	6.606	55599546	96426607	53.287	53.926
21)	B Endrin ke...	7.642	6.835	130.2E6	235.2E6	51.621	56.074
22)	Mirex	8.115	7.015	103.6E6	184.6E6	49.743	54.572
23)	Chlordane-1	0.000	3.766	0	86572	N.D.	0.694 #
24)	Chlordane-2	5.255f	4.362	171.8E6	2588515	1467.270	17.642 #
25)	Chlordane-3	5.938	4.973	146.2E6	231.1E6	372.802	531.539 #
26)	Chlordane-4	6.016	5.037	145.2E6	228.6E6	308.774	539.626 #
27)	Chlordane-5	0.000	5.927	0	201.5E6	N.D.	1315.639 #

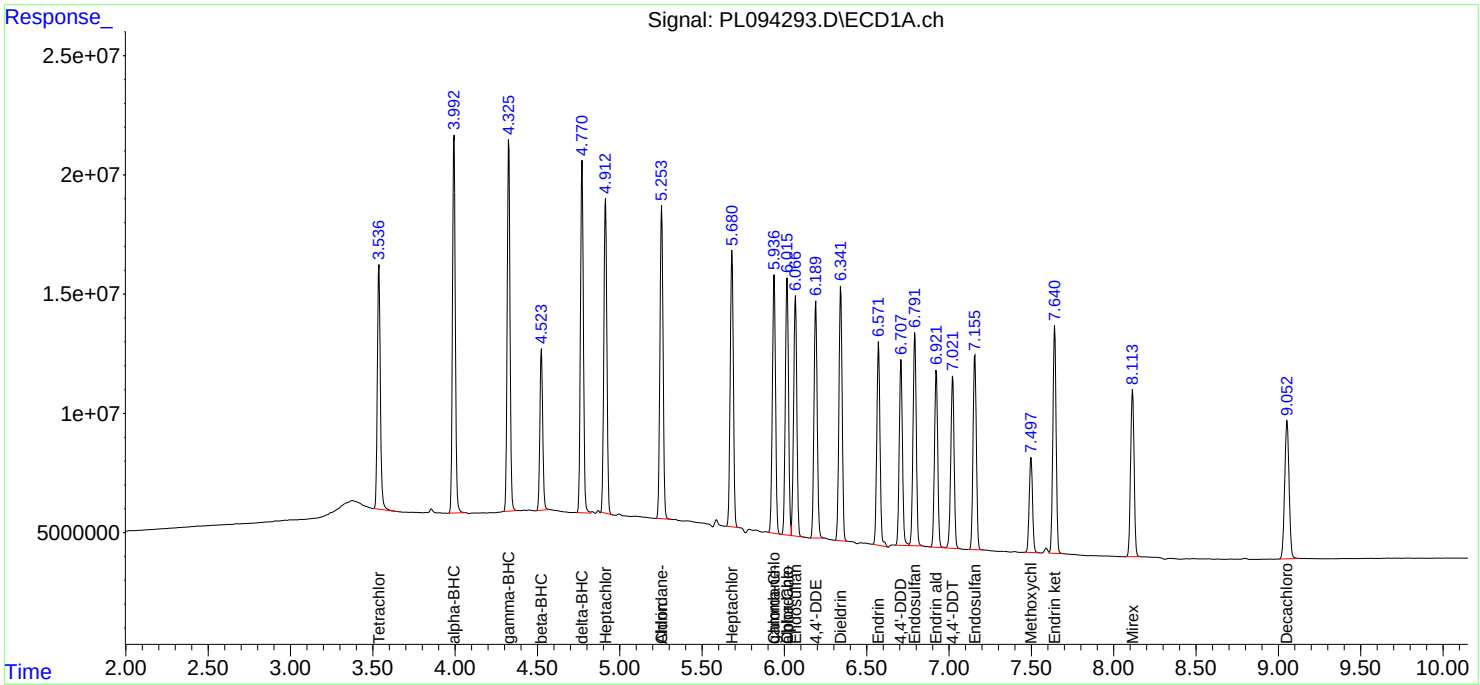
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

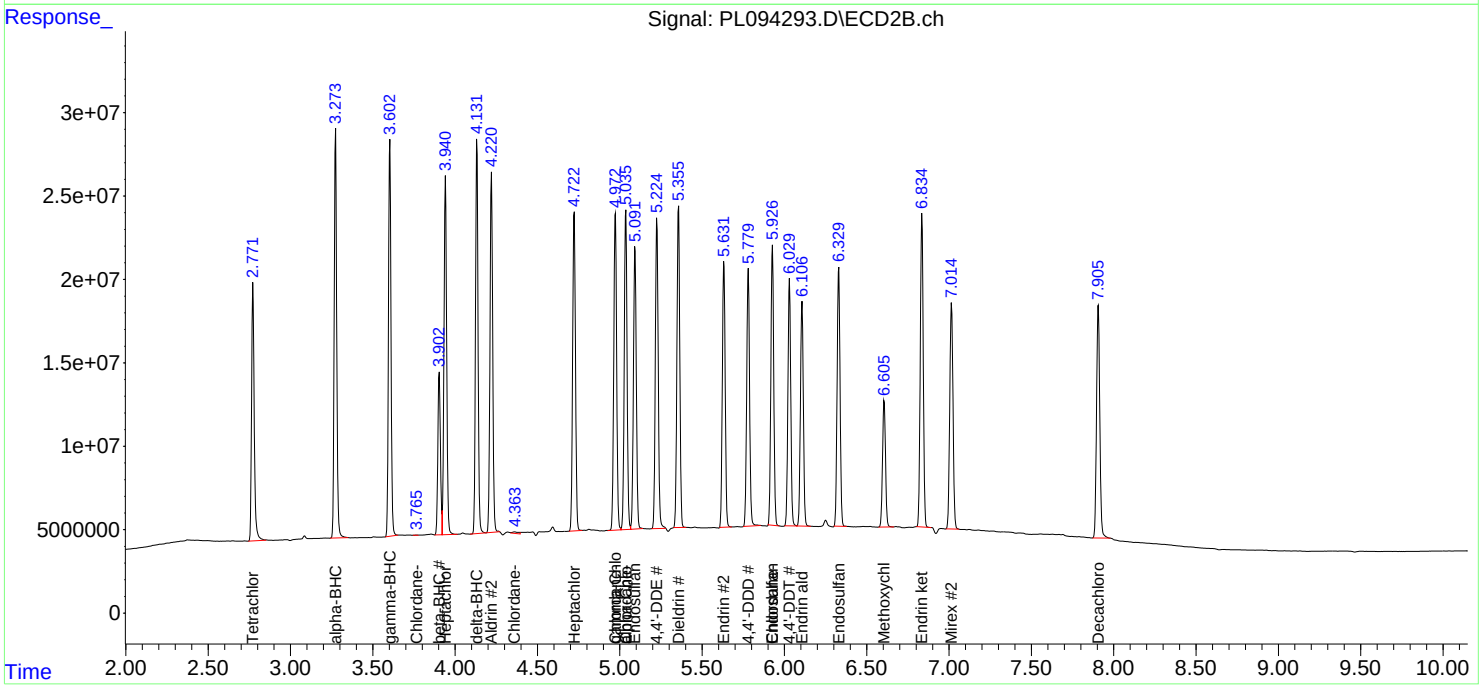
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094293.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 10:16
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

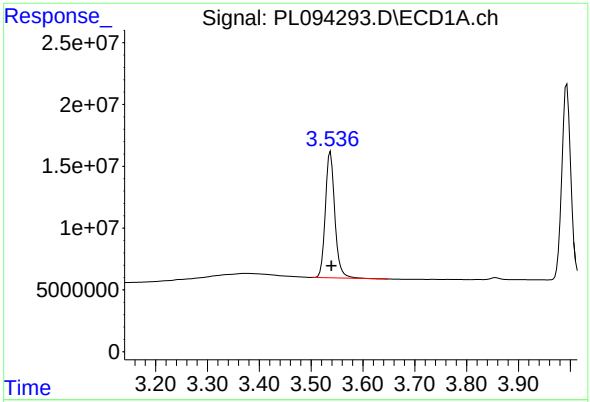
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:34:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



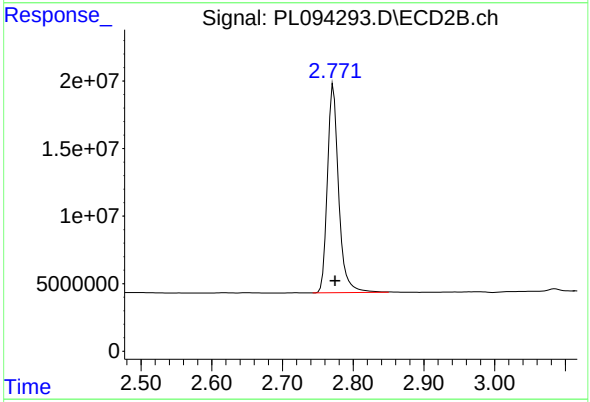




#1 Tetrachloro-m-xylene

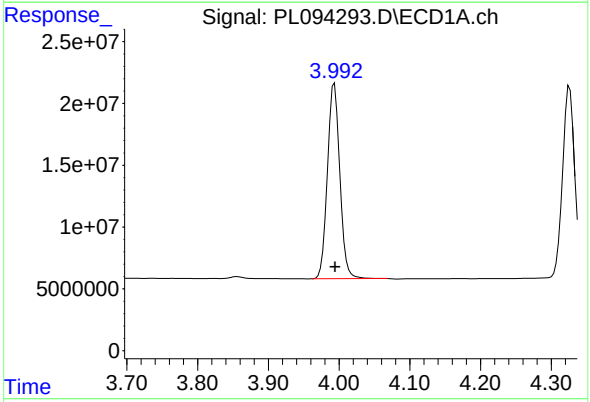
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 129408406
Conc: 48.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



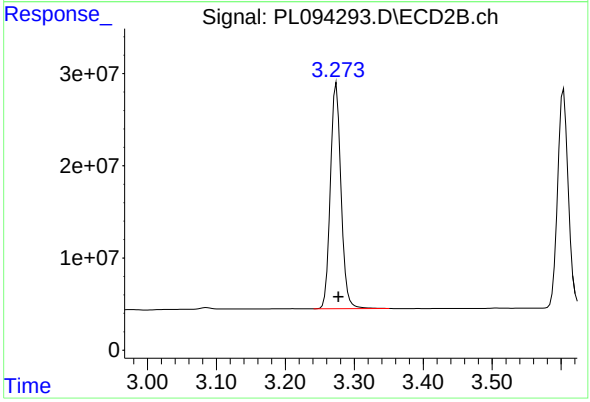
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.002 min
Response: 169925642
Conc: 52.06 ng/ml



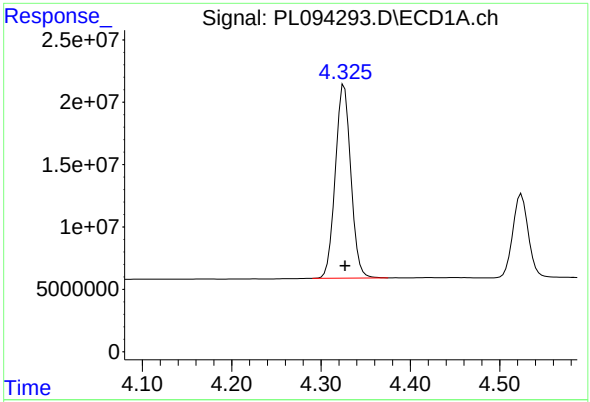
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 192431603
Conc: 50.19 ng/ml



#2 alpha-BHC

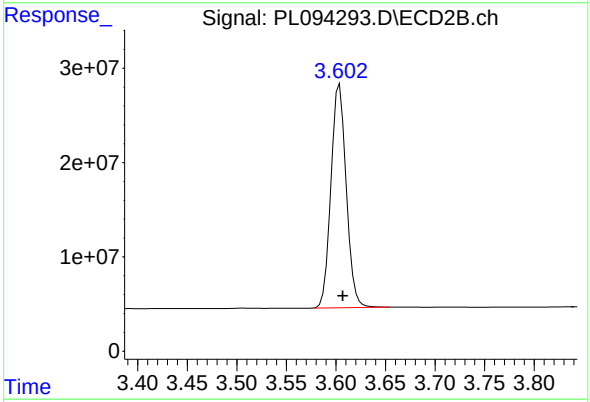
R.T.: 3.274 min
Delta R.T.: -0.003 min
Response: 261982501
Conc: 53.59 ng/ml



#3 gamma-BHC (Lindane)

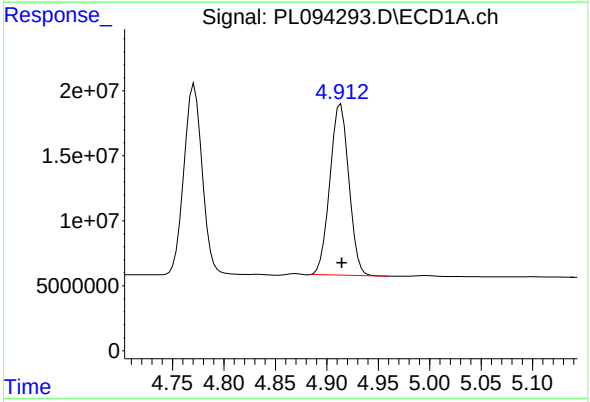
R.T.: 4.326 min
Delta R.T.: -0.001 min
Response: 186780143
Conc: 50.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



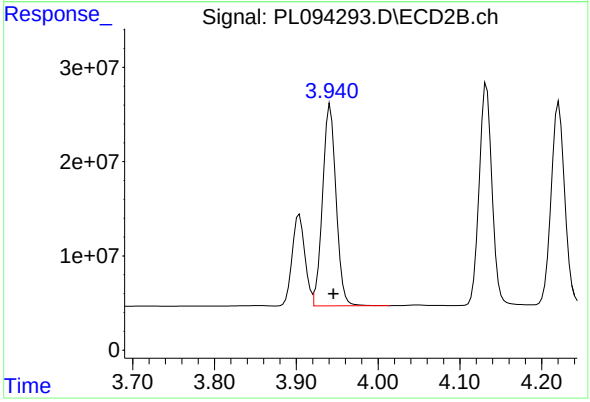
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: -0.003 min
Response: 254220534
Conc: 53.62 ng/ml



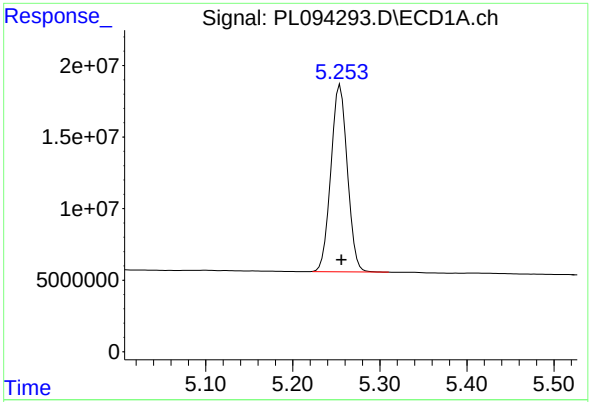
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 168582820
Conc: 51.44 ng/ml



#4 Heptachlor

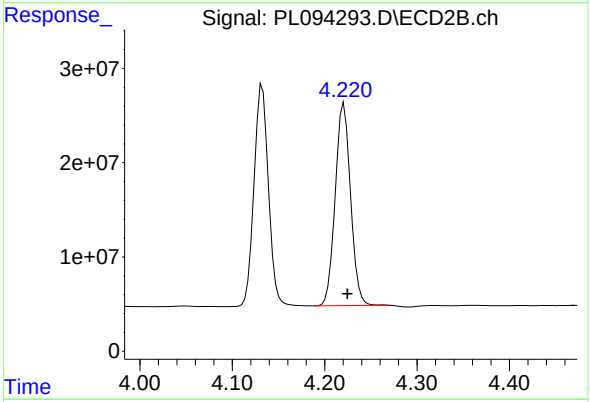
R.T.: 3.942 min
Delta R.T.: -0.004 min
Response: 245911706
Conc: 52.83 ng/ml



#5 Aldrin

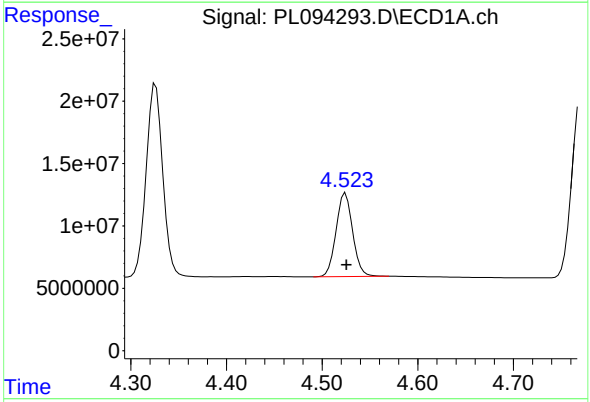
R.T.: 5.255 min
Delta R.T.: -0.001 min
Response: 171789005
Conc: 52.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



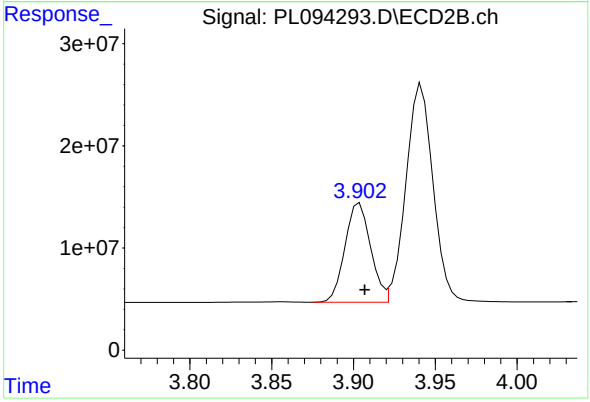
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: -0.004 min
Response: 247847712
Conc: 54.33 ng/ml



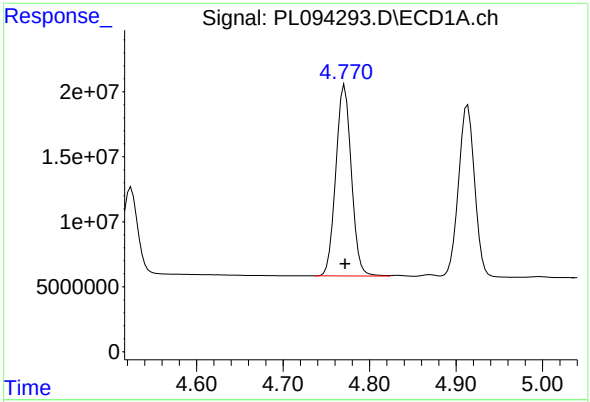
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 80945065
Conc: 50.36 ng/ml



#6 beta-BHC

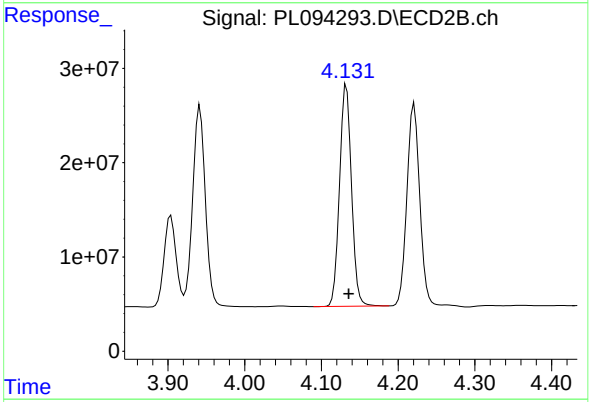
R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 105605347
Conc: 52.87 ng/ml



#7 delta-BHC

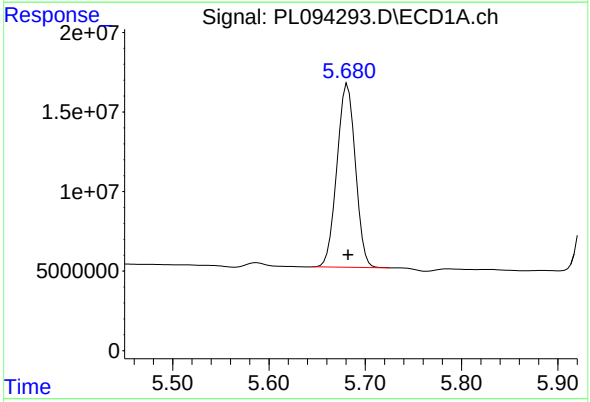
R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 182410711
Conc: 52.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



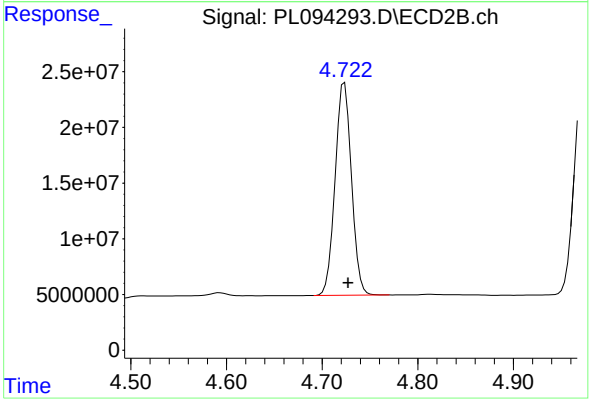
#7 delta-BHC

R.T.: 4.133 min
Delta R.T.: -0.003 min
Response: 255054037
Conc: 53.68 ng/ml



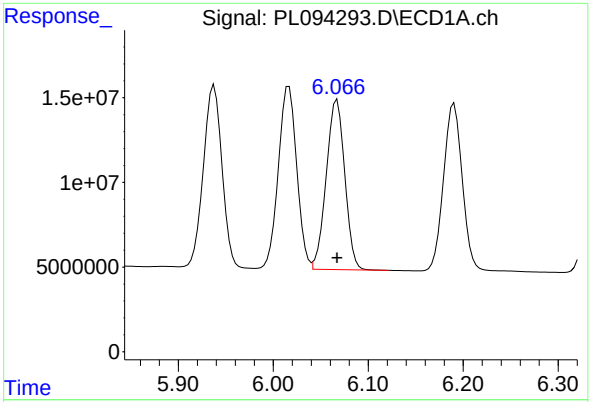
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 153109569
Conc: 51.49 ng/ml



#8 Heptachlor epoxide

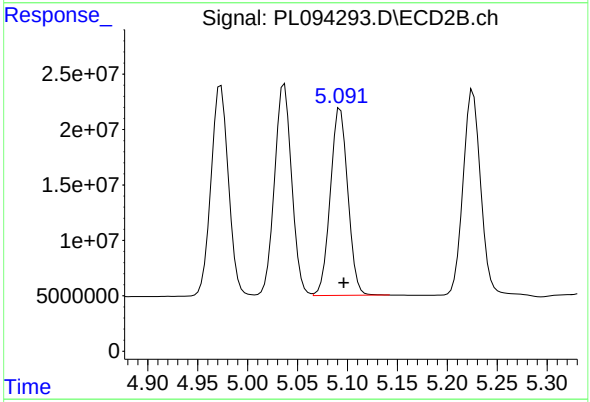
R.T.: 4.723 min
Delta R.T.: -0.004 min
Response: 227174529
Conc: 54.34 ng/ml



#9 Endosulfan I

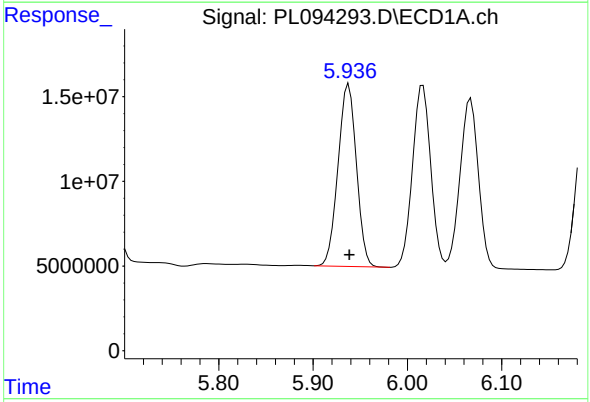
R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 135851909
Conc: 51.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



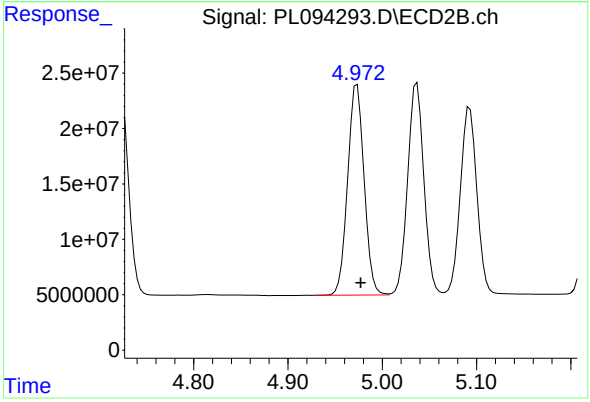
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: -0.004 min
Response: 205996950
Conc: 53.13 ng/ml



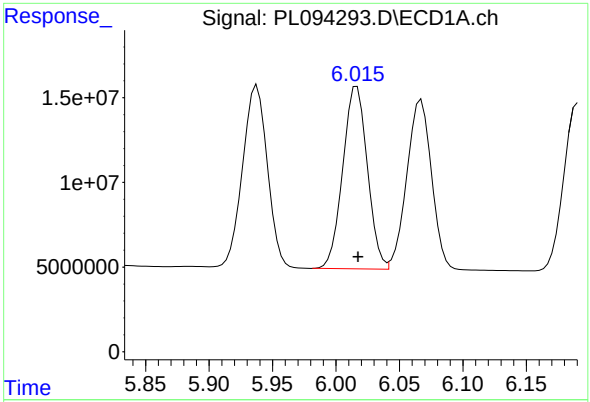
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 146237049
Conc: 52.46 ng/ml



#10 gamma-Chlordane

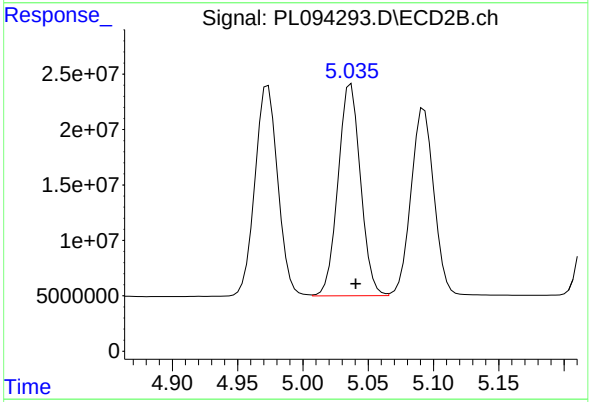
R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 231124599
Conc: 54.54 ng/ml



#11 alpha-Chlordane

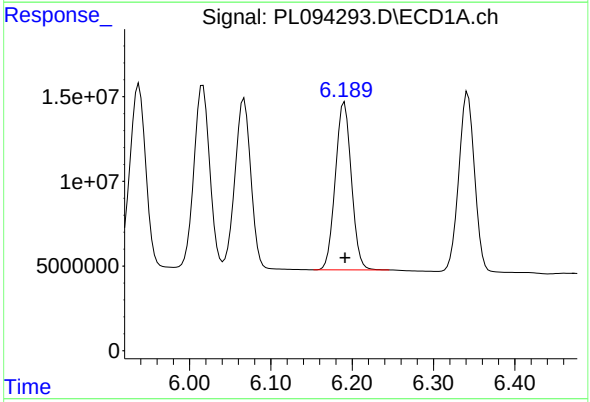
R.T.: 6.016 min
Delta R.T.: 0.000 min
Response: 145156571
Conc: 52.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



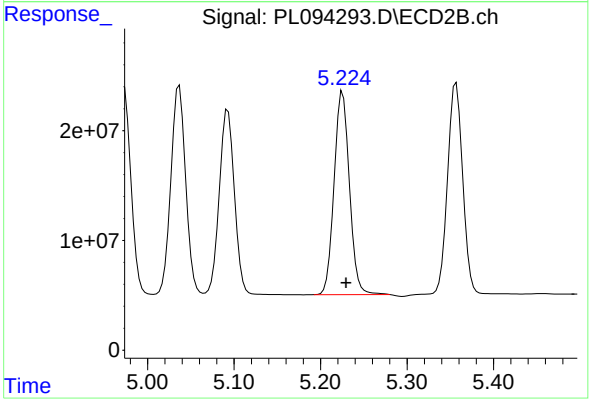
#11 alpha-Chlordane

R.T.: 5.037 min
Delta R.T.: -0.004 min
Response: 228622597
Conc: 54.61 ng/ml



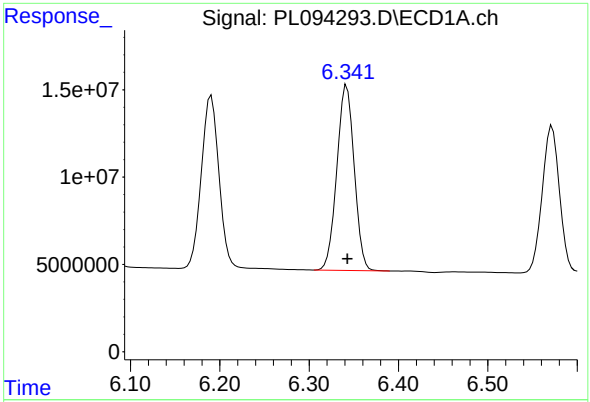
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 135448434
Conc: 55.63 ng/ml



#12 4,4'-DDE

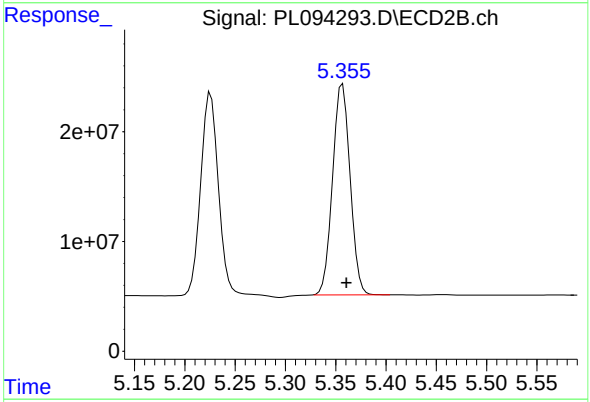
R.T.: 5.226 min
Delta R.T.: -0.004 min
Response: 226871374
Conc: 56.58 ng/ml



#13 Dieldrin

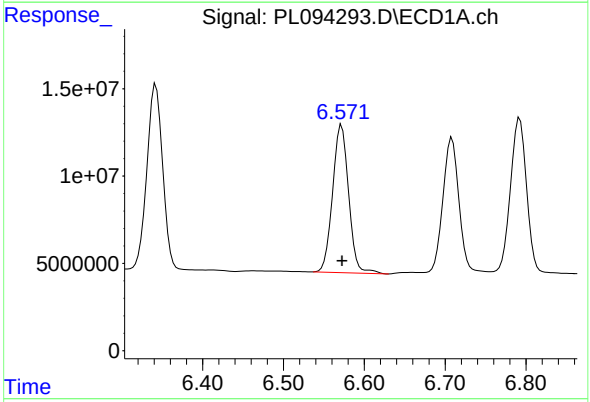
R.T.: 6.342 min
Delta R.T.: 0.000 min
Response: 143211298
Conc: 51.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



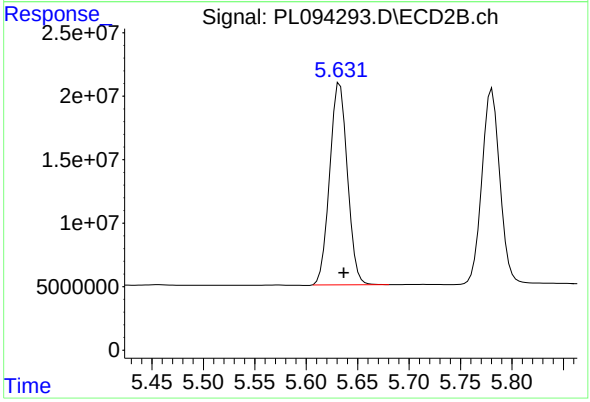
#13 Dieldrin

R.T.: 5.357 min
Delta R.T.: -0.004 min
Response: 232641139
Conc: 54.16 ng/ml



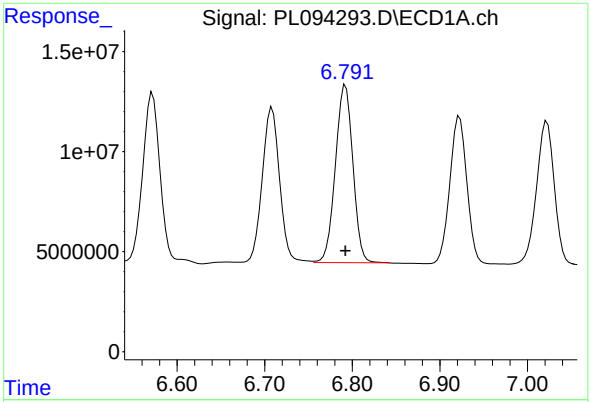
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 116698160
Conc: 49.77 ng/ml



#14 Endrin

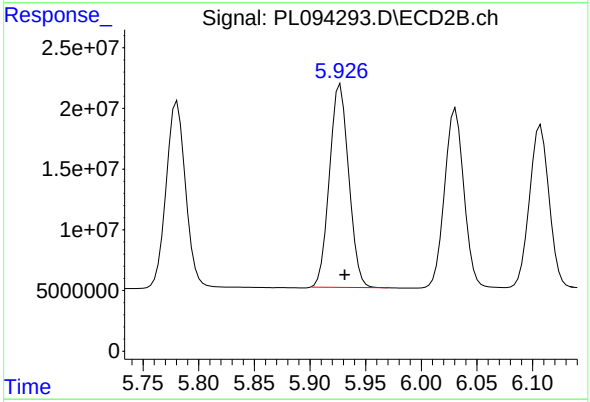
R.T.: 5.633 min
Delta R.T.: -0.004 min
Response: 190607667
Conc: 51.62 ng/ml



#15 Endosulfan II

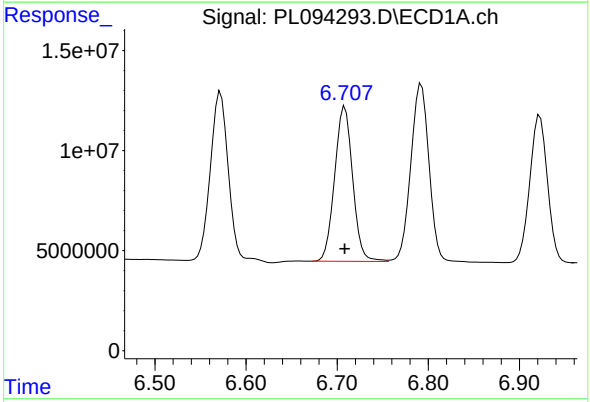
R.T.: 6.792 min
Delta R.T.: 0.000 min
Response: 123196410
Conc: 51.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



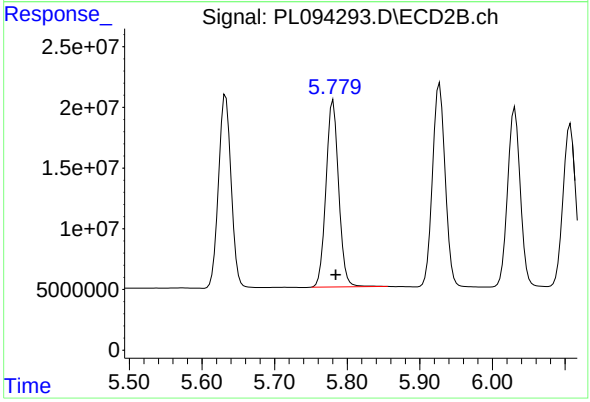
#15 Endosulfan II

R.T.: 5.927 min
Delta R.T.: -0.004 min
Response: 201507022
Conc: 54.41 ng/ml



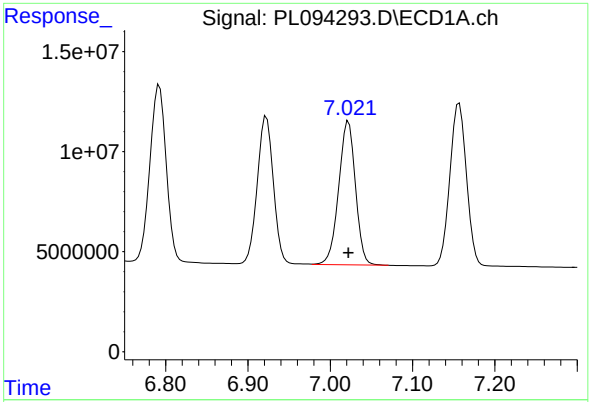
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 106206143
Conc: 55.88 ng/ml



#16 4,4'-DDD

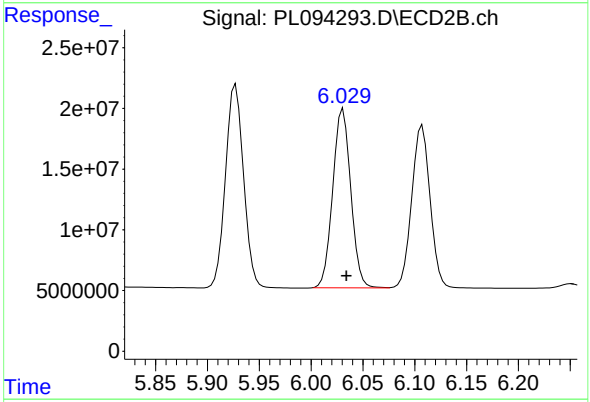
R.T.: 5.781 min
Delta R.T.: -0.004 min
Response: 187018037
Conc: 59.25 ng/ml



#17 4,4'-DDT

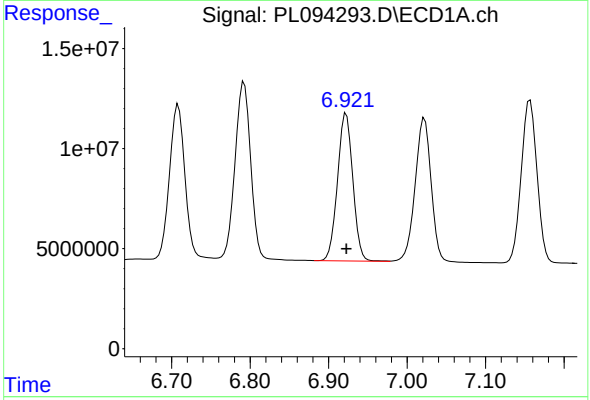
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 101861229
Conc: 51.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



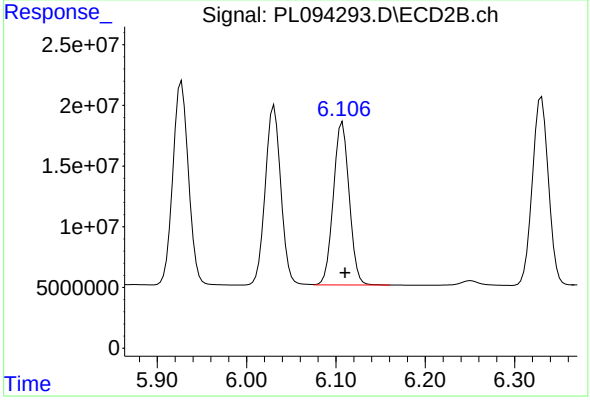
#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: -0.003 min
Response: 178487845
Conc: 54.85 ng/ml



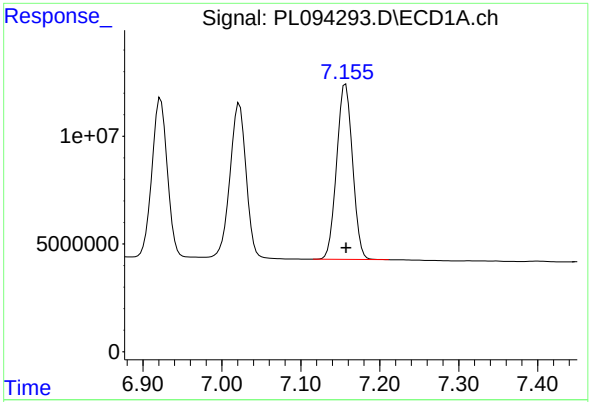
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 100393977
Conc: 51.64 ng/ml



#18 Endrin aldehyde

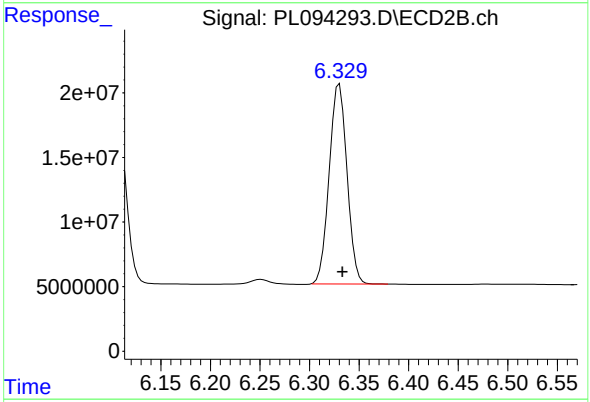
R.T.: 6.107 min
Delta R.T.: -0.003 min
Response: 164905832
Conc: 54.16 ng/ml



#19 Endosulfan Sulfate

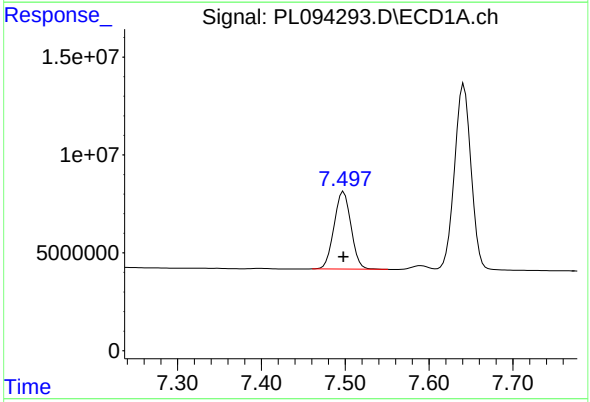
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 113910176
Conc: 50.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



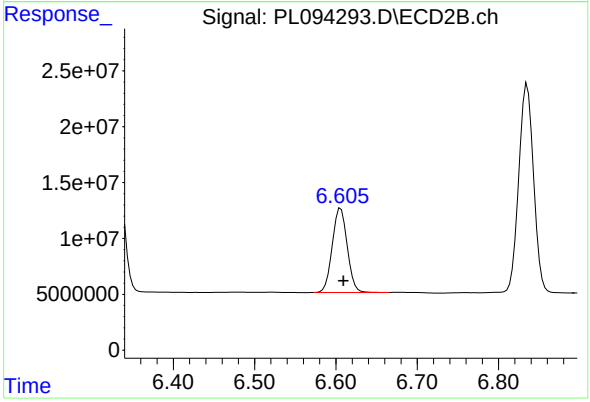
#19 Endosulfan Sulfate

R.T.: 6.330 min
Delta R.T.: -0.003 min
Response: 193537667
Conc: 54.27 ng/ml



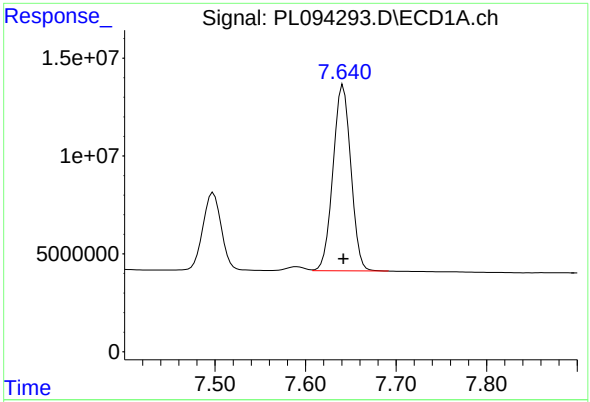
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 55599546
Conc: 53.29 ng/ml



#20 Methoxychlor

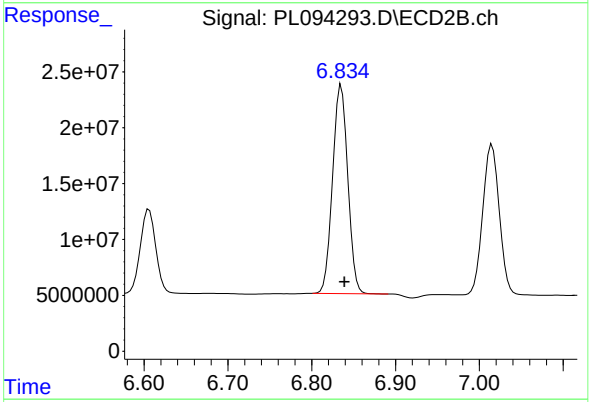
R.T.: 6.606 min
Delta R.T.: -0.003 min
Response: 96426607
Conc: 53.93 ng/ml



#21 Endrin ketone

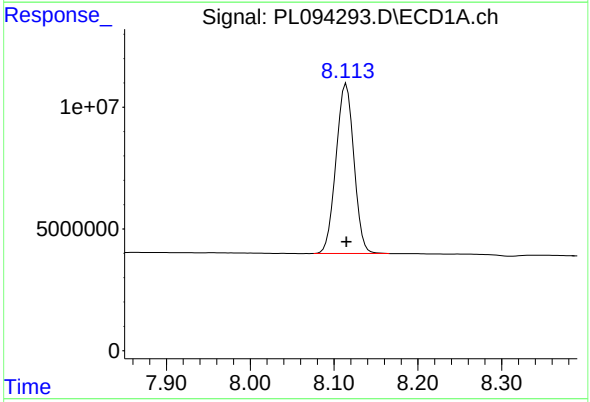
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 130221280
Conc: 51.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



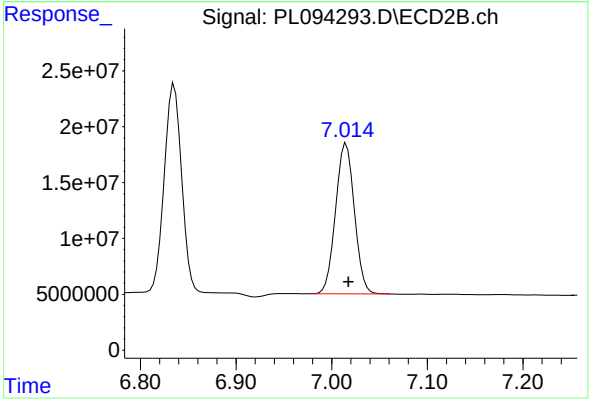
#21 Endrin ketone

R.T.: 6.835 min
Delta R.T.: -0.004 min
Response: 235244201
Conc: 56.07 ng/ml



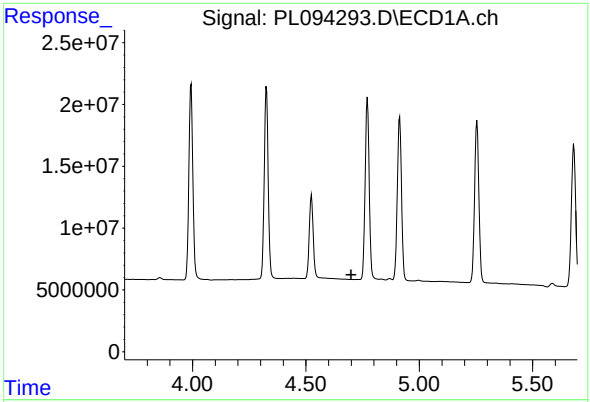
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 103589944
Conc: 49.74 ng/ml



#22 Mirex

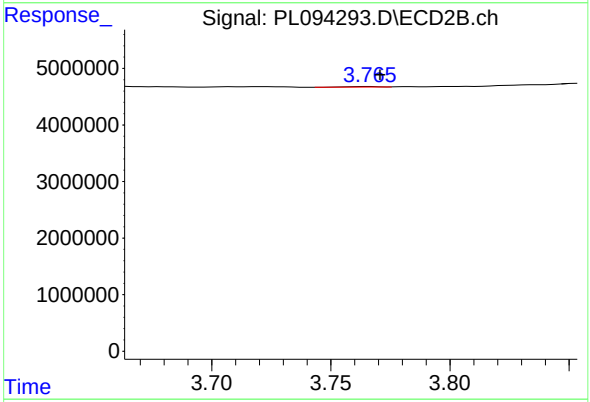
R.T.: 7.015 min
Delta R.T.: -0.002 min
Response: 184555441
Conc: 54.57 ng/ml



#23 Chlordane-1

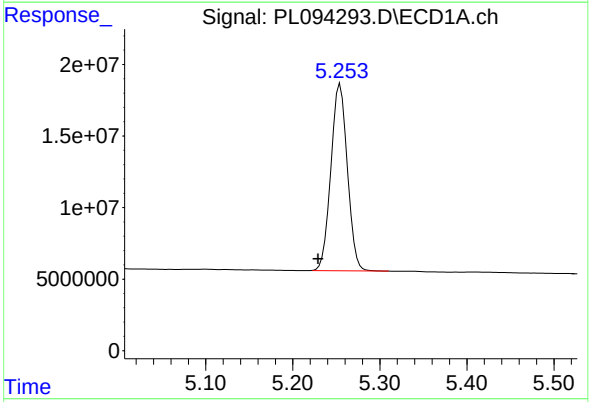
R.T.: 0.000 min
Exp R.T. : 4.700 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



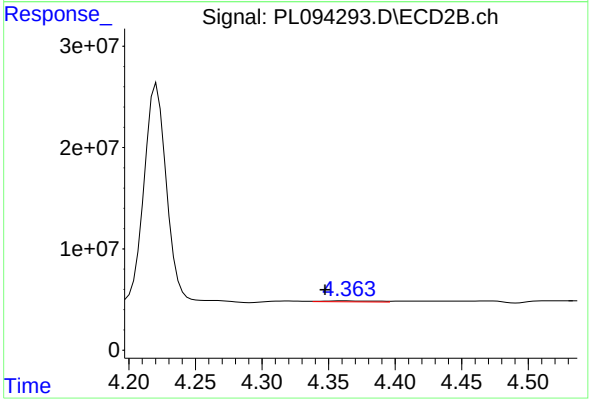
#23 Chlordane-1

R.T.: 3.766 min
Delta R.T.: -0.004 min
Response: 86572
Conc: 0.69 ng/ml



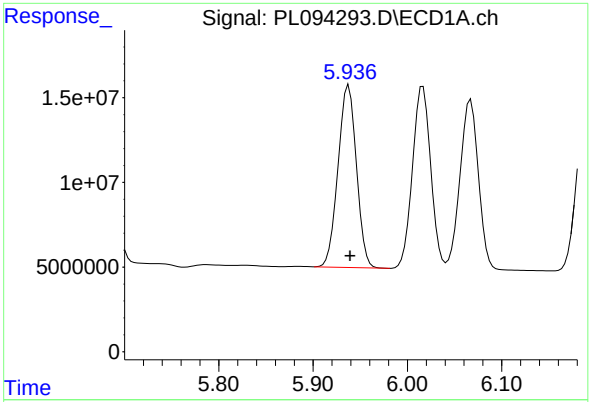
#24 Chlordane-2

R.T.: 5.255 min
Delta R.T.: 0.026 min
Response: 171789005
Conc: 1467.27 ng/ml



#24 Chlordane-2

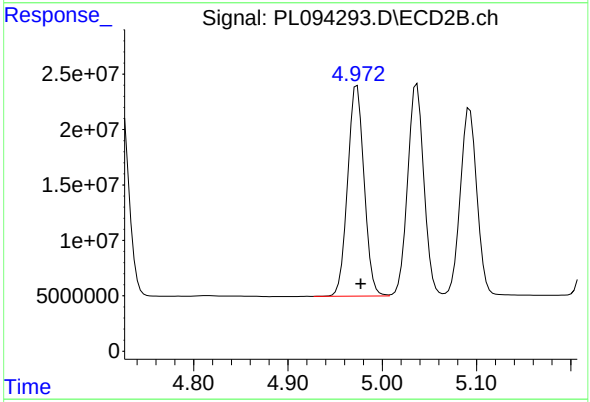
R.T.: 4.362 min
Delta R.T.: 0.014 min
Response: 2588515
Conc: 17.64 ng/ml



#25 Chlordane-3

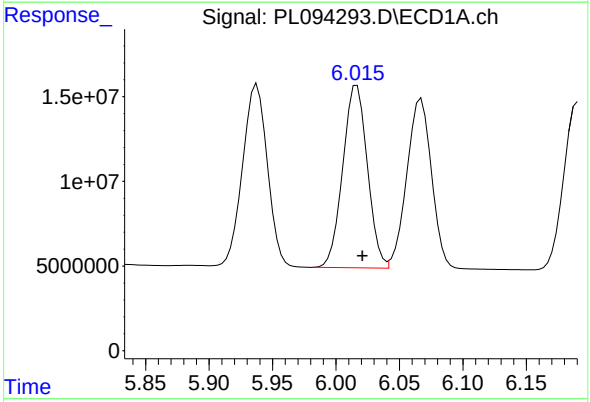
R.T.: 5.938 min
Delta R.T.: -0.001 min
Response: 146237049
Conc: 372.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



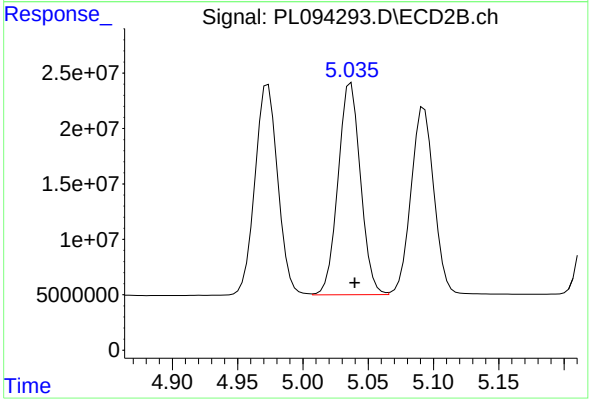
#25 Chlordane-3

R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 231124599
Conc: 531.54 ng/ml



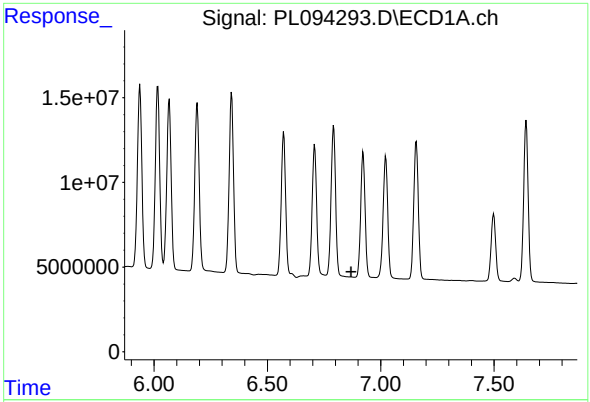
#26 Chlordane-4

R.T.: 6.016 min
Delta R.T.: -0.004 min
Response: 145156571
Conc: 308.77 ng/ml



#26 Chlordane-4

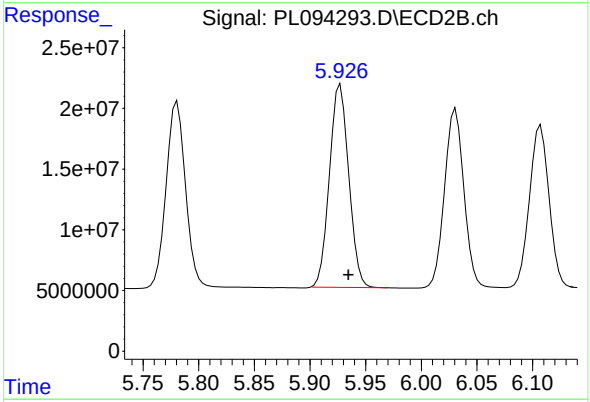
R.T.: 5.037 min
Delta R.T.: -0.003 min
Response: 228622597
Conc: 539.63 ng/ml



#27 Chlordane-5

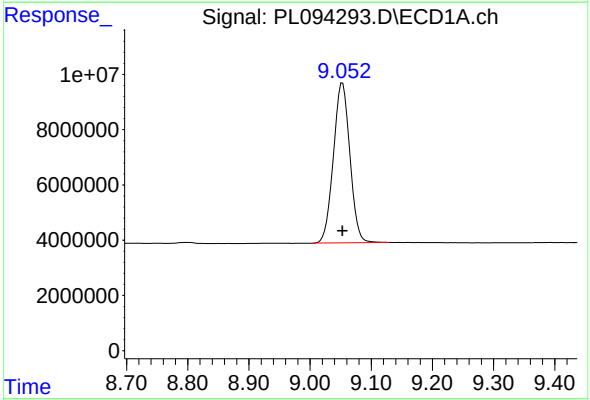
R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



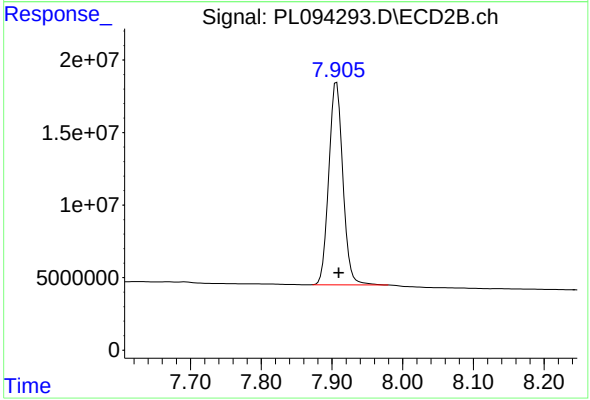
#27 Chlordane-5

R.T.: 5.927 min
Delta R.T.: -0.007 min
Response: 201507022
Conc: 1315.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 108406137
Conc: 51.82 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.907 min
Delta R.T.: -0.003 min
Response: 193068890
Conc: 55.10 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094294.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 10:29
Operator : AR\AJ
Sample : Q1383-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : ECD_L
ClientSampleId : OU4-PCS-TC-12-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:34:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.772	108.8E6	84531536	40.404	25.897	#
28)	SA Decachlor...	9.051	7.905	51930496	86475046	24.824	24.678	
	Target Compounds							
2)	A alpha-BHC	0.000	3.264	0	305339	N.D.	0.062	#
3)	MA gamma-BHC...	0.000	3.623f	0	208581	N.D.	0.044	#
4)	MA Heptachlor	0.000	3.947	0	184471	N.D.	0.040	#
5)	MB Aldrin	0.000	4.241f	0	355631	N.D.	0.078	#
6)	B beta-BHC	4.534	3.906	572319	111495	0.356	0.056	#
7)	B delta-BHC	0.000	4.129	0	227908	N.D.	0.048	#
10)	B gamma-Chl...	0.000	5.002f	0	1802170	N.D.	0.425	#
11)	B alpha-Chl...	0.000	5.025f	0	1089501	N.D.	0.260	#
13)	MA Dieldrin	0.000	5.358	0	3785874	N.D.	0.881	#
14)	MA Endrin	6.571	5.641	2453316	-1249795	1.046	N.D.	#
15)	B Endosulfa...	0.000	5.917	0	1866934	N.D.	0.504	#
17)	MA 4,4'-DDT	6.993f	6.026	1713159	4533890	0.869	1.393	#
19)	B Endosulfa...	0.000	6.323	0	180422	N.D.	0.051	#
20)	A Methoxychlor	0.000	6.580f	0	155493	N.D.	0.087	#
21)	B Endrin ke...	7.662f	6.814f	2219156	530180	0.880	0.126	#
22)	Mirex	0.000	7.010	0	799460	N.D.	0.236	#
23)	Chlordane-1	0.000	3.758	0	342357	N.D.	2.743	#
24)	Chlordane-2	0.000	4.357	0	840394	N.D.	5.728	#
25)	Chlordane-3	0.000	5.002f	0	1802170	N.D.	4.145	#
26)	Chlordane-4	0.000	5.025	0	1089501	N.D.	2.572	#
27)	Chlordane-5	0.000	5.917	0	1866934	N.D.	12.189	#

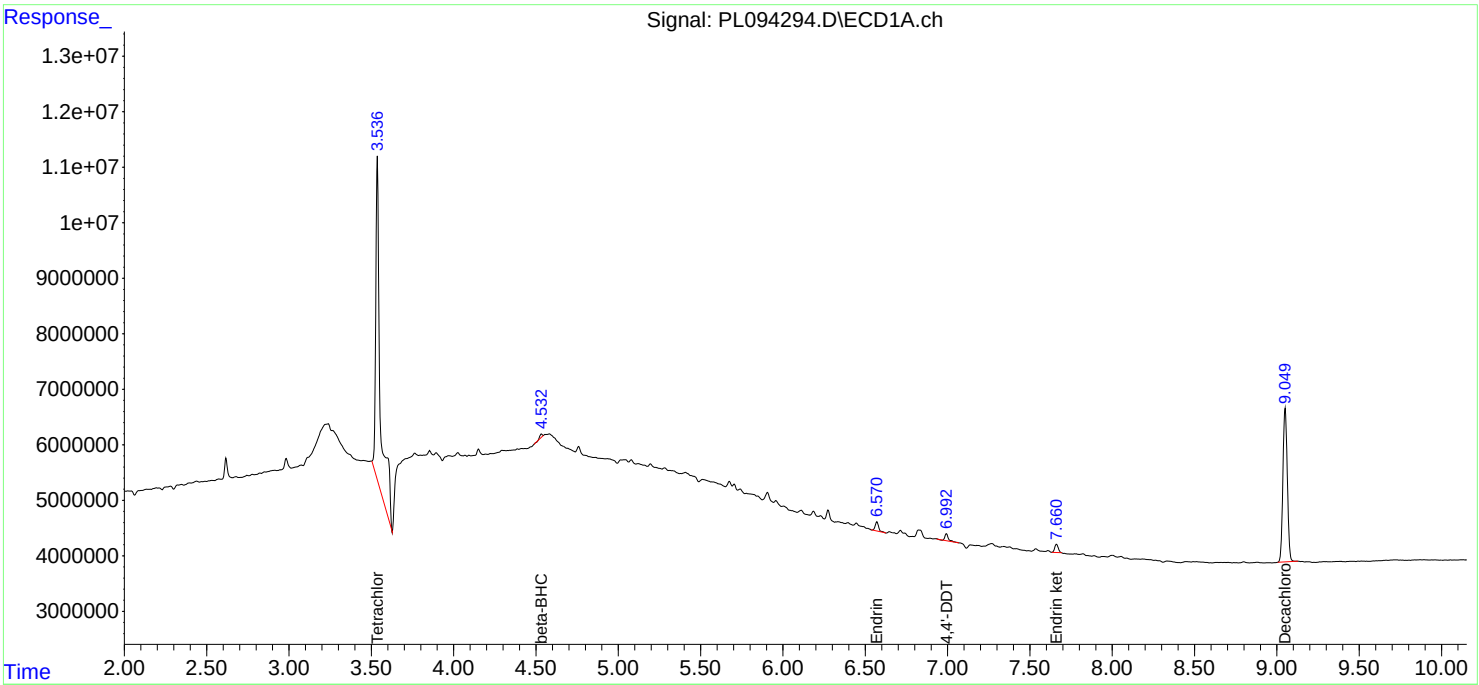
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

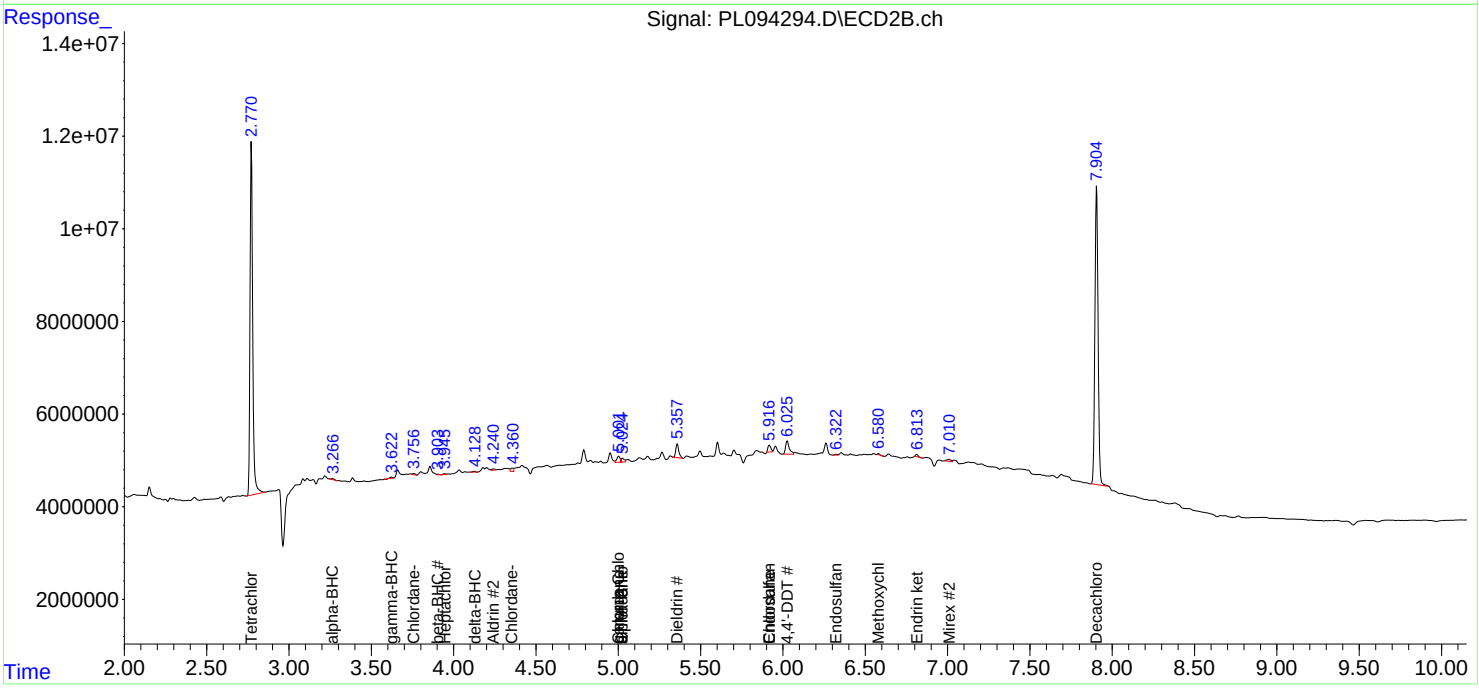
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094294.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 10:29
Operator : AR\AJ
Sample : Q1383-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

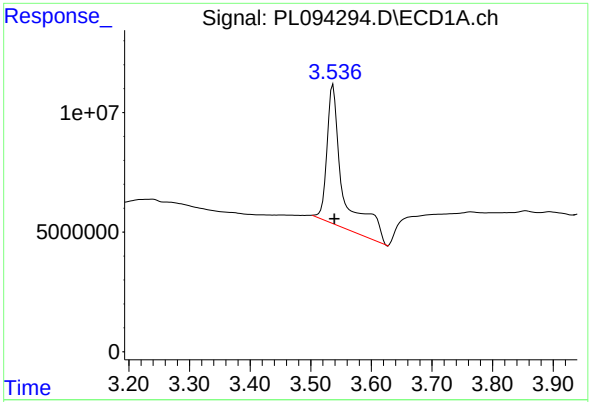
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-12-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:34:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



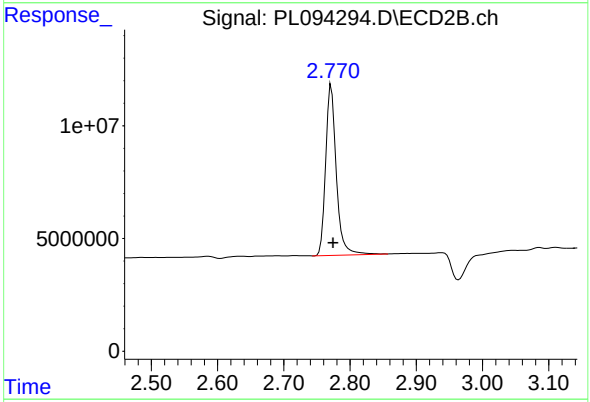




#1 Tetrachloro-m-xylene

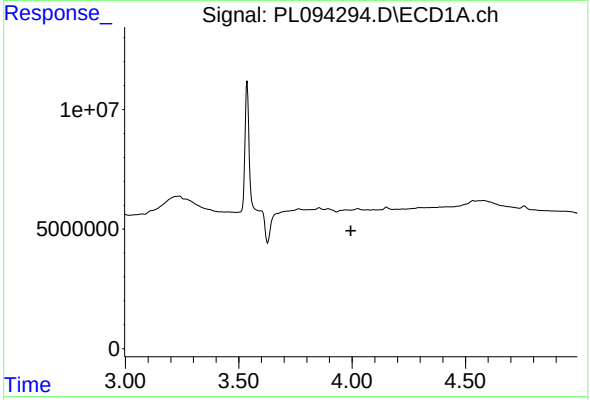
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 108797612
Conc: 40.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-12-021725



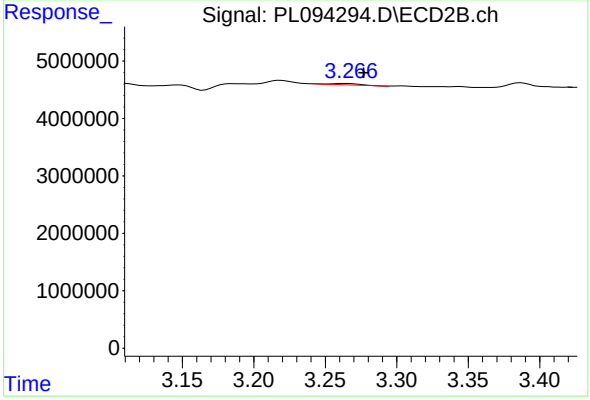
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 84531536
Conc: 25.90 ng/ml



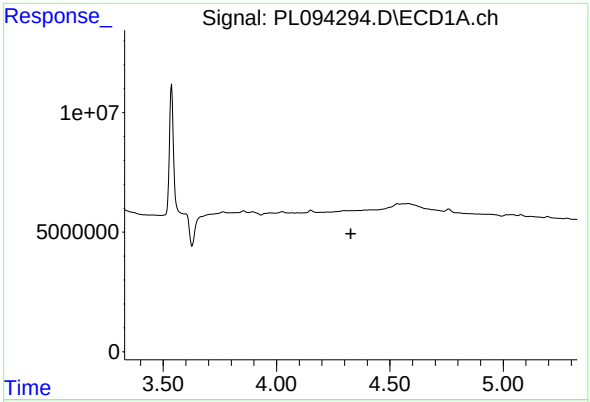
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.995 min
Response: 0
Conc: N.D.



#2 alpha-BHC

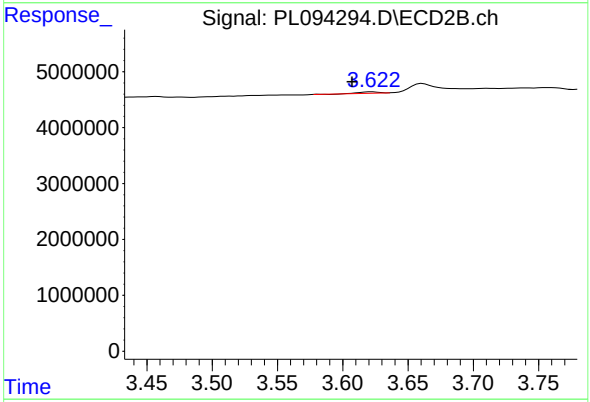
R.T.: 3.264 min
Delta R.T.: -0.013 min
Response: 305339
Conc: 0.06 ng/ml



#3 gamma-BHC (Lindane)

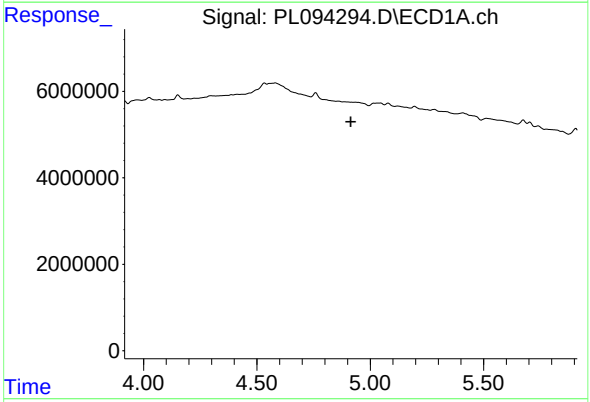
R.T.: 0.000 min
Exp R.T. : 4.327 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-12-021725



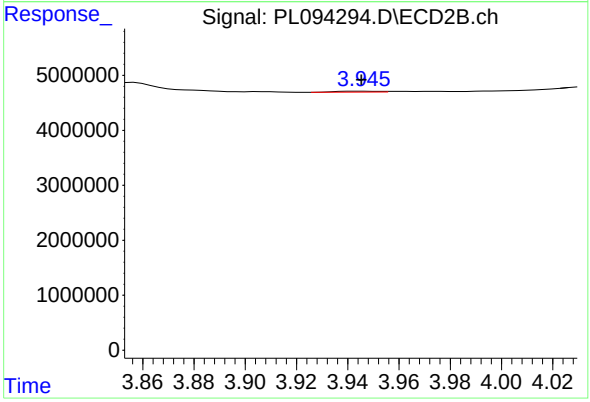
#3 gamma-BHC (Lindane)

R.T.: 3.623 min
Delta R.T.: 0.016 min
Response: 208581
Conc: 0.04 ng/ml



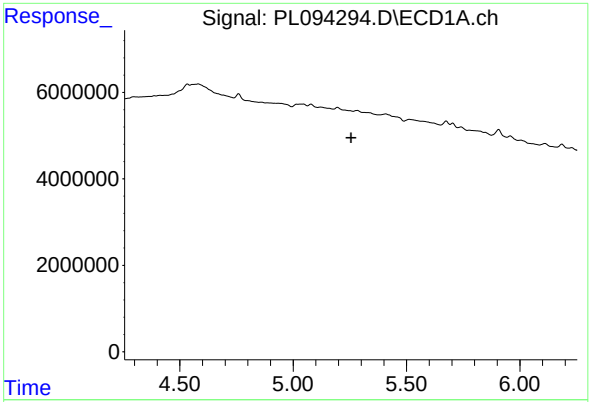
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.914 min
Response: 0
Conc: N.D.



#4 Heptachlor

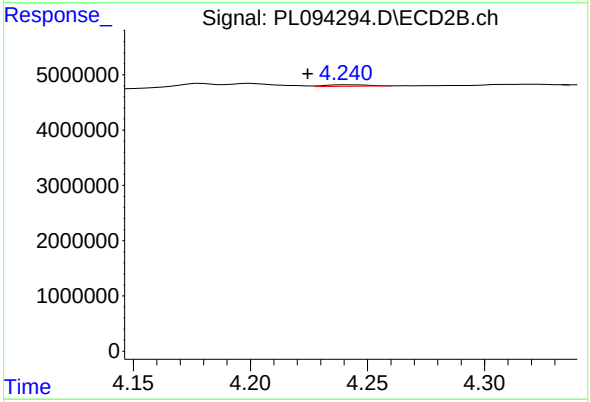
R.T.: 3.947 min
Delta R.T.: 0.001 min
Response: 184471
Conc: 0.04 ng/ml



#5 Aldrin

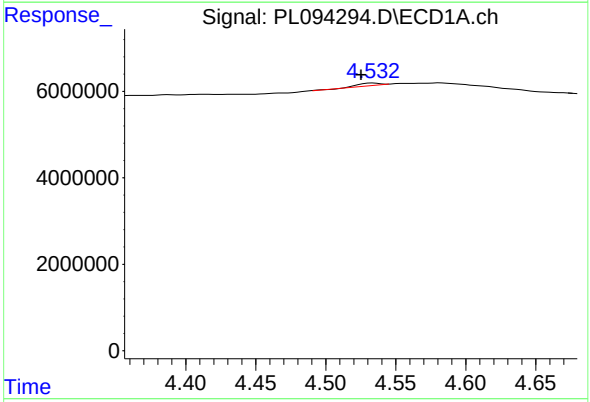
R.T.: 0.000 min
Exp R.T. : 5.256 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-12-021725



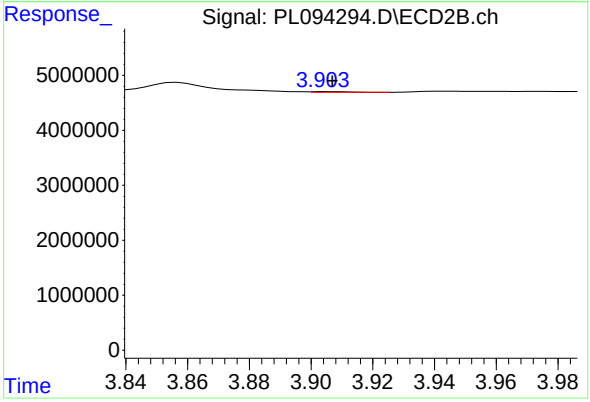
#5 Aldrin

R.T.: 4.241 min
Delta R.T.: 0.017 min
Response: 355631
Conc: 0.08 ng/ml



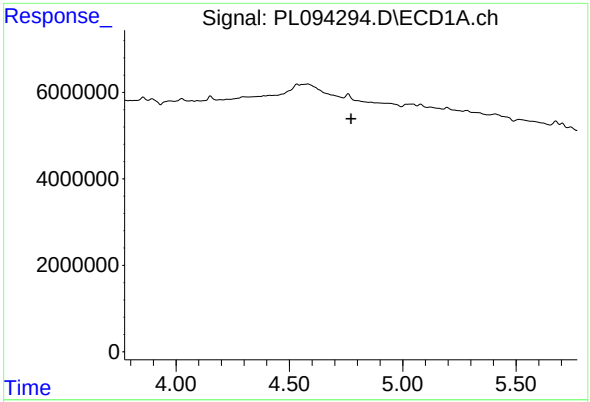
#6 beta-BHC

R.T.: 4.534 min
Delta R.T.: 0.009 min
Response: 572319
Conc: 0.36 ng/ml



#6 beta-BHC

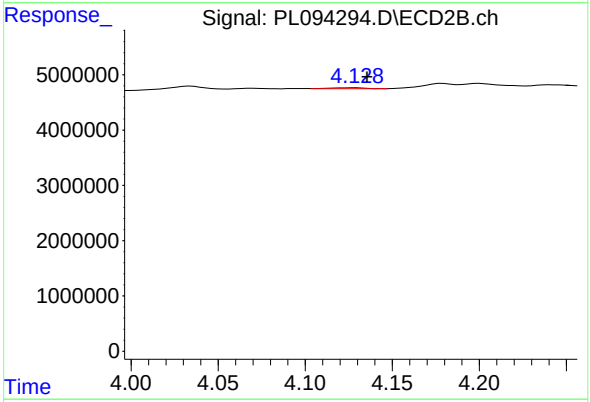
R.T.: 3.906 min
Delta R.T.: -0.001 min
Response: 111495
Conc: 0.06 ng/ml



#7 delta-BHC

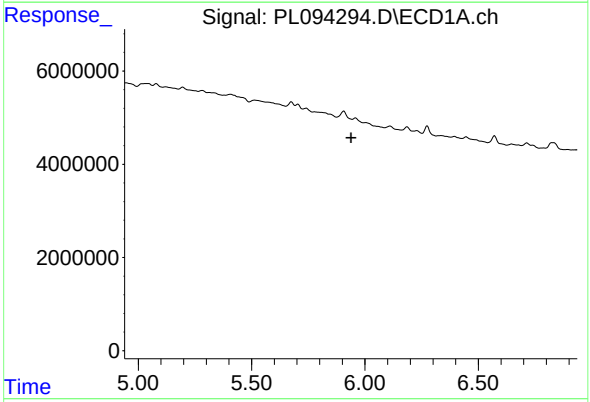
R.T.: 0.000 min
Exp R.T. : 4.772 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-12-021725



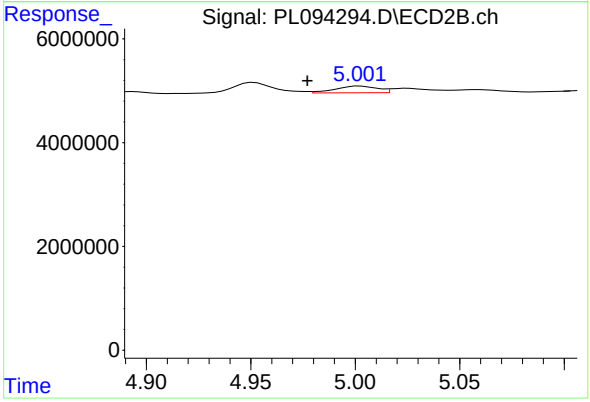
#7 delta-BHC

R.T.: 4.129 min
Delta R.T.: -0.007 min
Response: 227908
Conc: 0.05 ng/ml



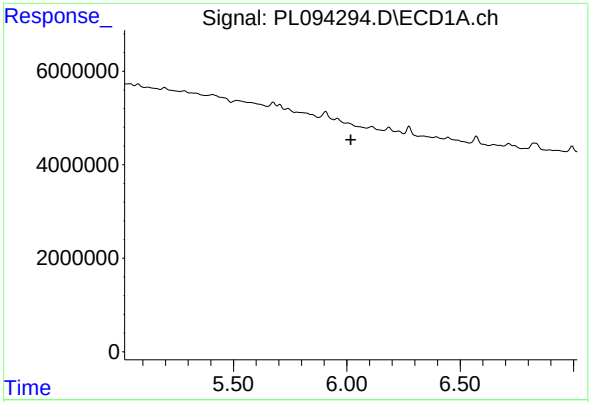
#10 gamma-Chlordane

R.T.: 0.000 min
Exp R.T. : 5.938 min
Response: 0
Conc: N.D.



#10 gamma-Chlordane

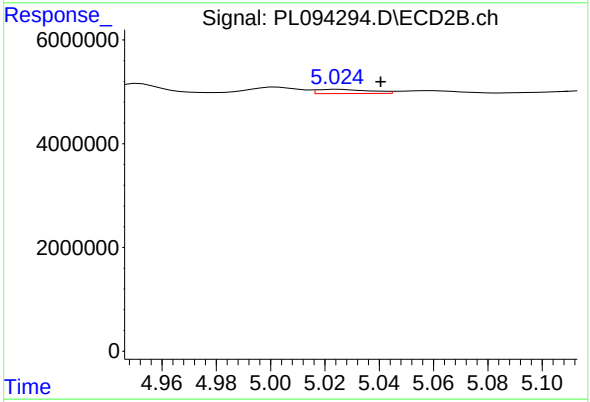
R.T.: 5.002 min
Delta R.T.: 0.025 min
Response: 1802170
Conc: 0.43 ng/ml



#11 alpha-Chlordane

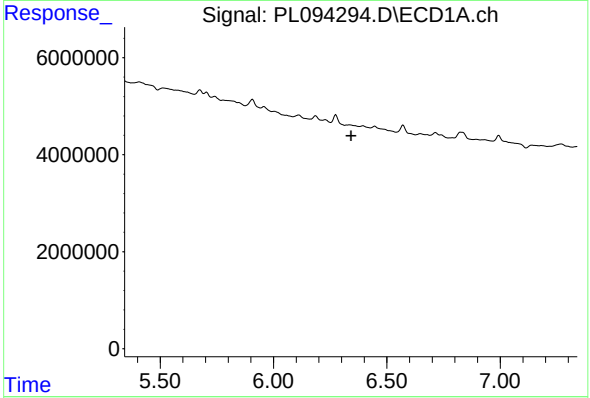
R.T.: 0.000 min
Exp R.T. : 6.017 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-12-021725



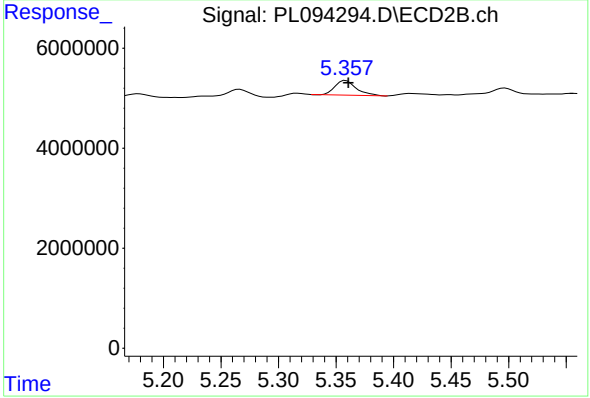
#11 alpha-Chlordane

R.T.: 5.025 min
Delta R.T.: -0.015 min
Response: 1089501
Conc: 0.26 ng/ml



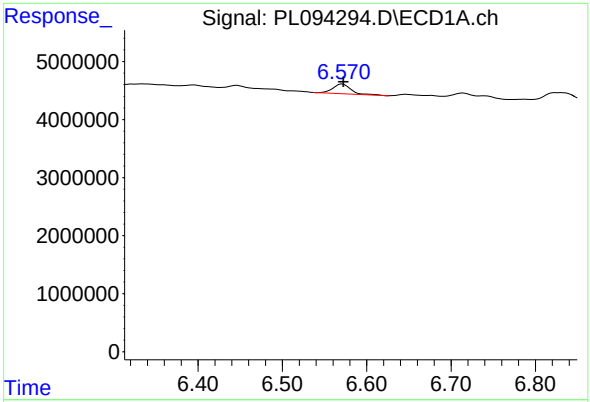
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.343 min
Response: 0
Conc: N.D.



#13 Dieldrin

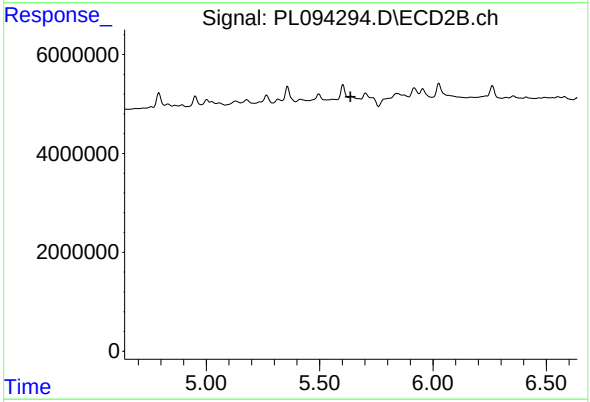
R.T.: 5.358 min
Delta R.T.: -0.002 min
Response: 3785874
Conc: 0.88 ng/ml



#14 Endrin

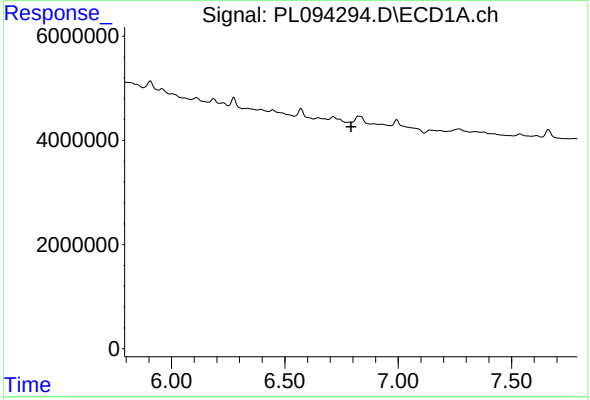
R.T.: 6.571 min
Delta R.T.: -0.001 min
Response: 2453316
Conc: 1.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-12-021725



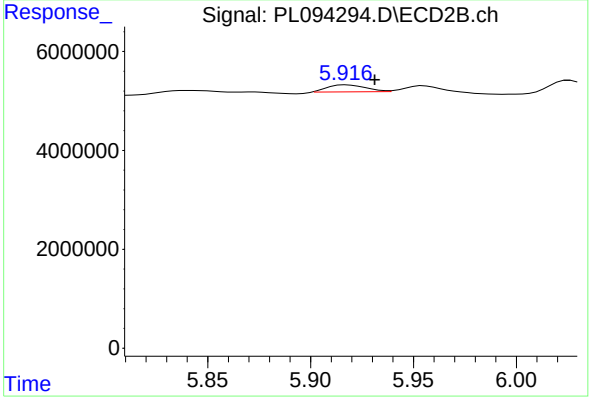
#14 Endrin

R.T.: 5.641 min
Delta R.T.: 0.004 min
Response: -1249795
Conc: N.D.



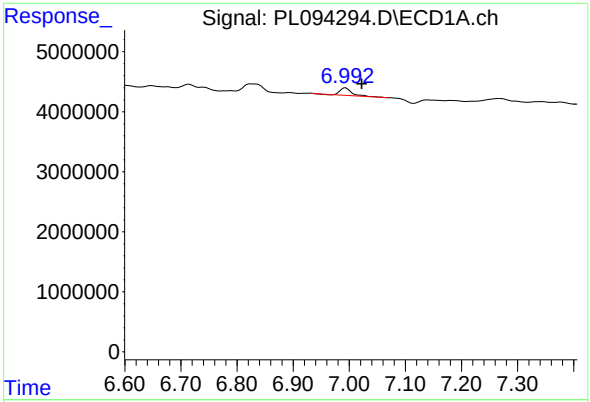
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.792 min
Response: 0
Conc: N.D.



#15 Endosulfan II

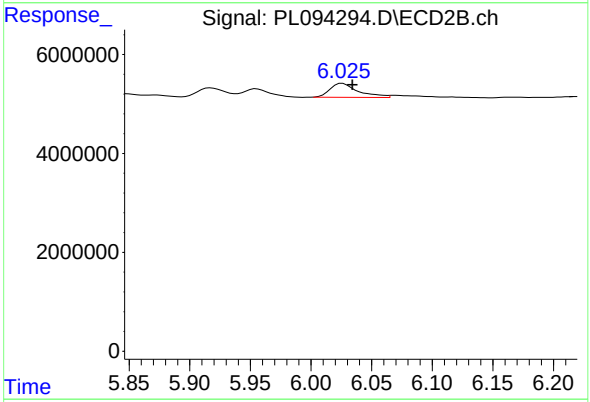
R.T.: 5.917 min
Delta R.T.: -0.014 min
Response: 1866934
Conc: 0.50 ng/ml



#17 4,4'-DDT

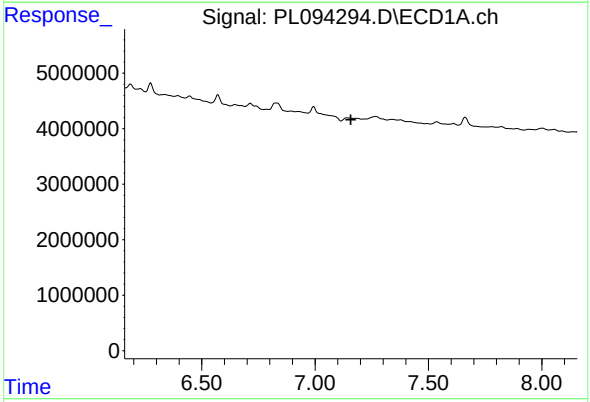
R.T.: 6.993 min
Delta R.T.: -0.029 min
Response: 1713159
Conc: 0.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-12-021725



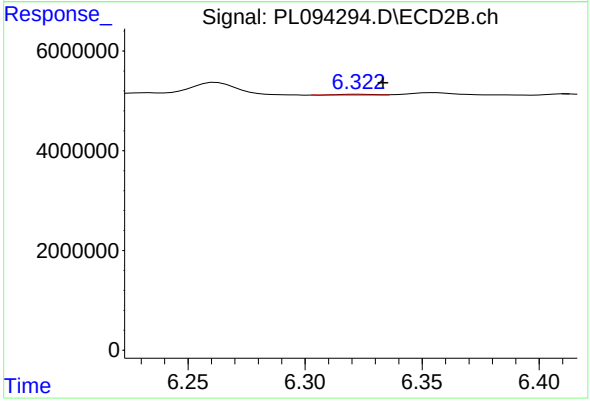
#17 4,4'-DDT

R.T.: 6.026 min
Delta R.T.: -0.008 min
Response: 4533890
Conc: 1.39 ng/ml



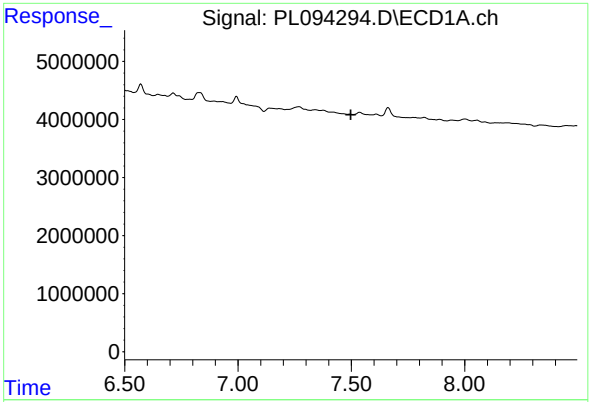
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T. : 7.157 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

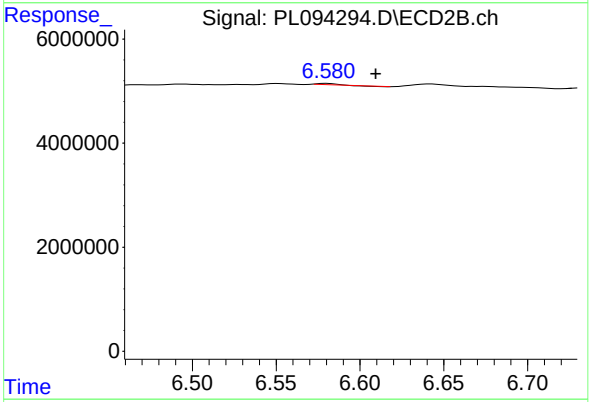
R.T.: 6.323 min
Delta R.T.: -0.010 min
Response: 180422
Conc: 0.05 ng/ml



#20 Methoxychlor

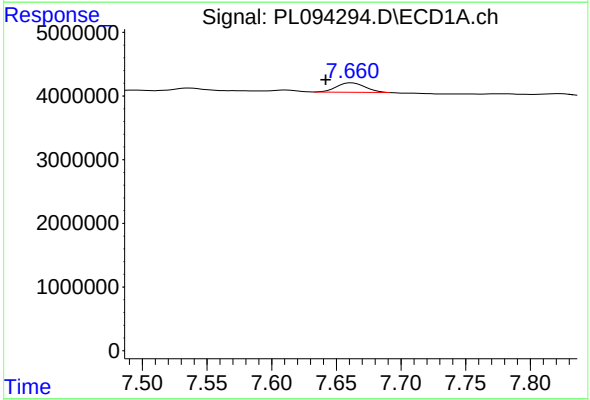
R.T.: 0.000 min
Exp R.T. : 7.498 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-12-021725



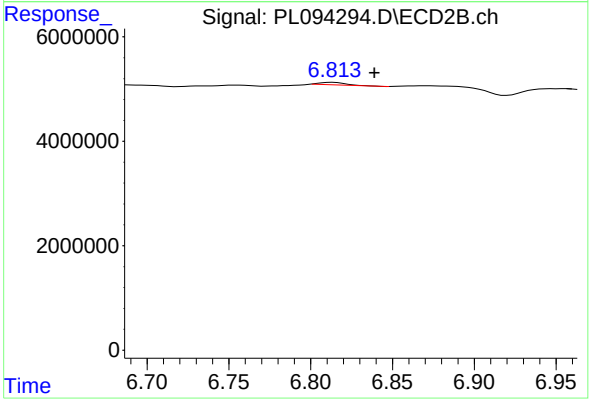
#20 Methoxychlor

R.T.: 6.580 min
Delta R.T.: -0.029 min
Response: 155493
Conc: 0.09 ng/ml



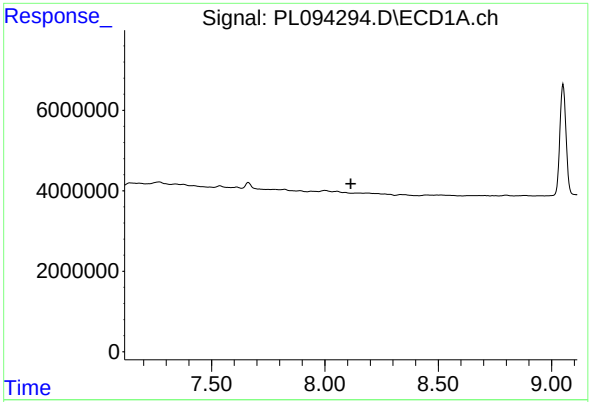
#21 Endrin ketone

R.T.: 7.662 min
Delta R.T.: 0.020 min
Response: 2219156
Conc: 0.88 ng/ml



#21 Endrin ketone

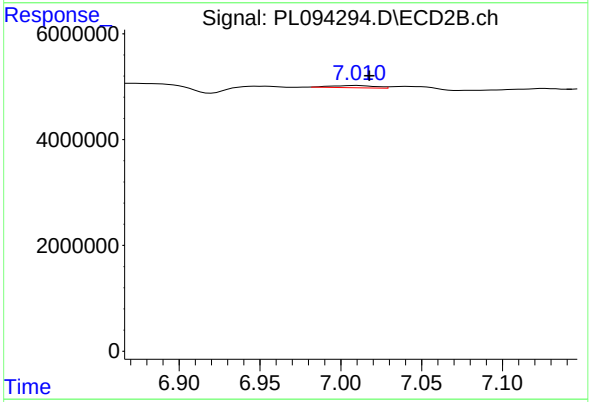
R.T.: 6.814 min
Delta R.T.: -0.025 min
Response: 530180
Conc: 0.13 ng/ml



#22 Mirex

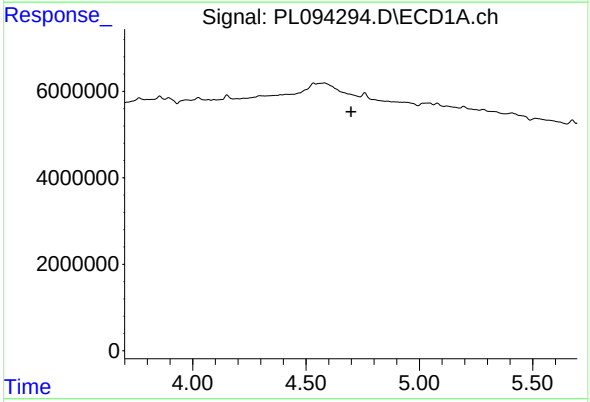
R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-12-021725



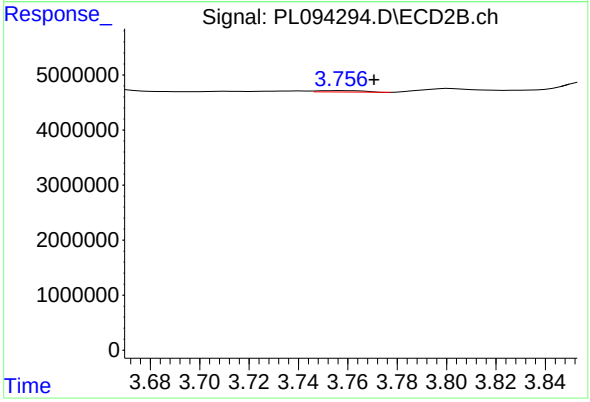
#22 Mirex

R.T.: 7.010 min
Delta R.T.: -0.008 min
Response: 799460
Conc: 0.24 ng/ml



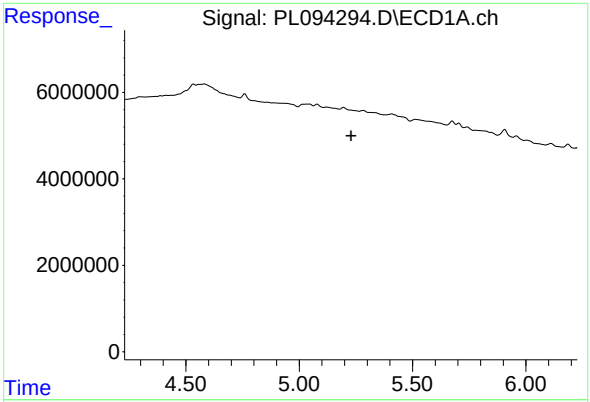
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.700 min
Response: 0
Conc: N.D.



#23 Chlordane-1

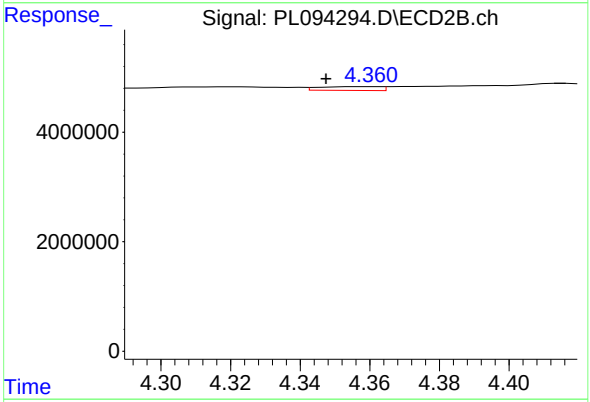
R.T.: 3.758 min
Delta R.T.: -0.013 min
Response: 342357
Conc: 2.74 ng/ml



#24 Chlordane-2

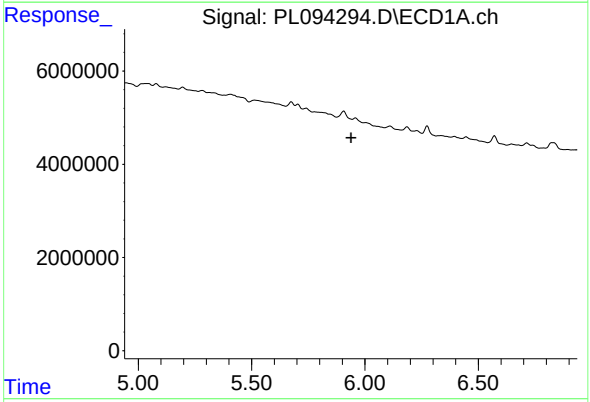
R.T.: 0.000 min
Exp R.T. : 5.229 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-12-021725



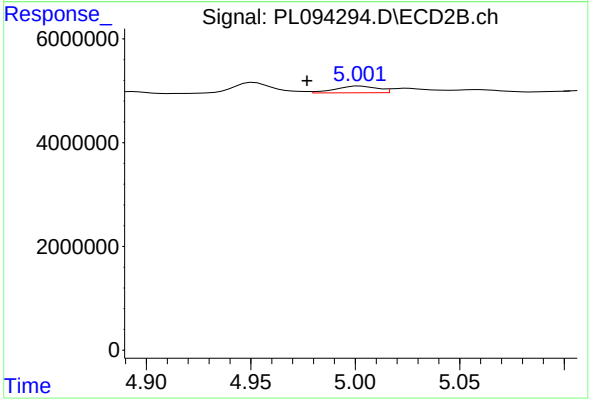
#24 Chlordane-2

R.T.: 4.357 min
Delta R.T.: 0.010 min
Response: 840394
Conc: 5.73 ng/ml



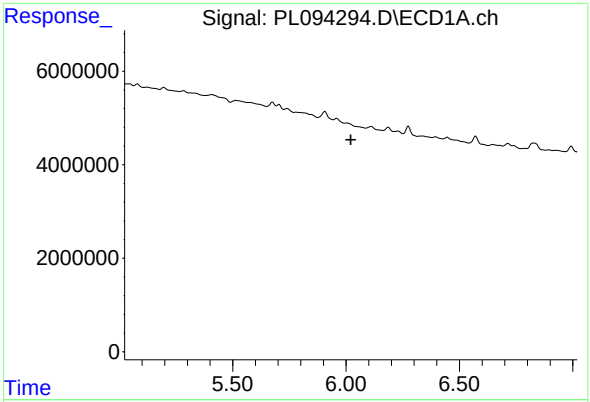
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T. : 5.939 min
Response: 0
Conc: N.D.



#25 Chlordane-3

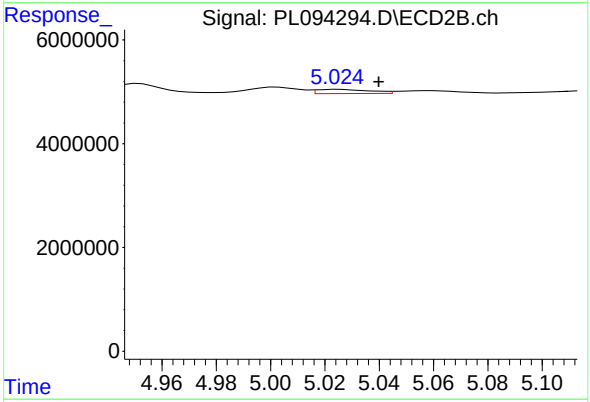
R.T.: 5.002 min
Delta R.T.: 0.025 min
Response: 1802170
Conc: 4.14 ng/ml



#26 Chlordane-4

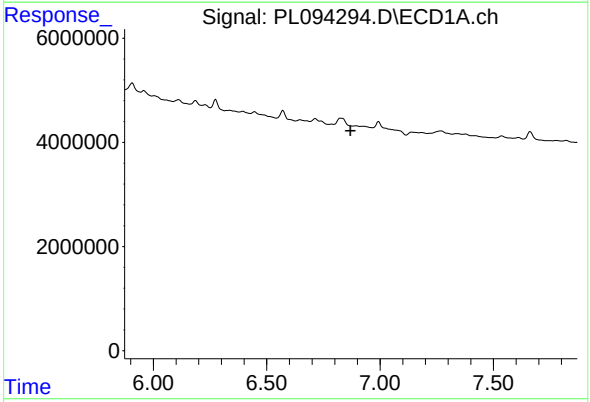
R.T.: 0.000 min
Exp R.T. : 6.021 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-12-021725



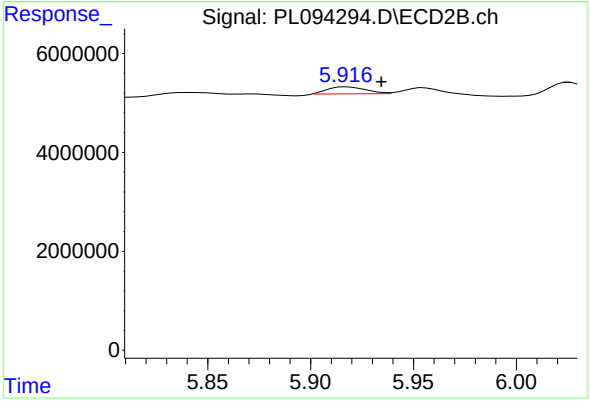
#26 Chlordane-4

R.T.: 5.025 min
Delta R.T.: -0.015 min
Response: 1089501
Conc: 2.57 ng/ml



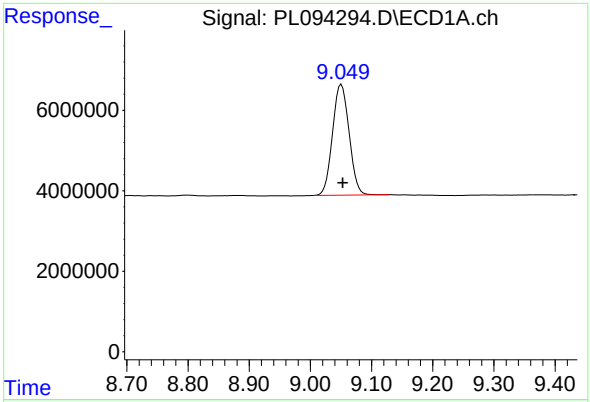
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.



#27 Chlordane-5

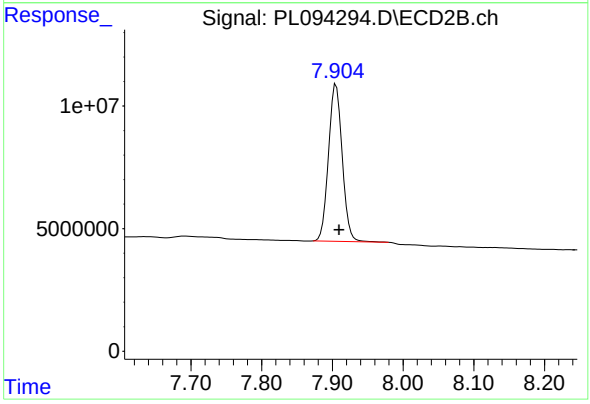
R.T.: 5.917 min
Delta R.T.: -0.017 min
Response: 1866934
Conc: 12.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.002 min
Response: 51930496
Conc: 24.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-12-021725



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.004 min
Response: 86475046
Conc: 24.68 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094295.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 10:43
Operator : AR\AJ
Sample : Q1383-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : ECD_L
ClientSampleId : OU4-PCS-TC-13-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:34:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.772	112.0E6	85540938	41.580	26.206	#
28)	SA Decachlor...	9.051	7.905	52716667	88727506	25.200	25.321	
	Target Compounds							
2)	A alpha-BHC	0.000	3.263	0	356092	N.D.	0.073	#
3)	MA gamma-BHC...	0.000	3.620	0	473178	N.D.	0.100	#
4)	MA Heptachlor	0.000	3.957	0	381997	N.D.	0.082	#
5)	MB Aldrin	0.000	4.222	0	418322	N.D.	0.092	#
6)	B beta-BHC	4.535	3.911	1138982	128815	0.709	0.064	#
7)	B delta-BHC	4.759	4.120f	1121092	274437	0.320	0.058	#
8)	B Heptachlo...	0.000	4.735	0	49793	N.D.	0.012	#
10)	B gamma-Chl...	0.000	4.980	0	280907	N.D.	0.066	#
11)	B alpha-Chl...	0.000	5.032	0	670147	N.D.	0.160	#
12)	B 4,4'-DDE	0.000	5.240	0	2664	N.D.	0.001	#
13)	MA Dieldrin	0.000	5.357	0	951575	N.D.	0.222	#
14)	MA Endrin	0.000	5.644	0	8480	N.D.	0.002	#
15)	B Endosulfa...	6.821f	5.926	3289062	860093	1.365	0.232	#
17)	MA 4,4'-DDT	0.000	6.030	0	1872874	N.D.	0.576	#
18)	B Endrin al...	0.000	6.095f	0	98986	N.D.	0.033	#
19)	B Endosulfa...	0.000	6.320	0	56791	N.D.	0.016	#
20)	A Methoxychlor	0.000	6.580f	0	170347	N.D.	0.095	#
21)	B Endrin ke...	7.662f	6.813f	2372236	472437	0.940	0.113	#
22)	Mirex	0.000	7.000f	0	893550	N.D.	0.264	#
23)	Chlordane-1	0.000	3.759	0	547585	N.D.	4.388	#
24)	Chlordane-2	0.000	4.357	0	845448	N.D.	5.762	#
25)	Chlordane-3	0.000	4.980	0	280907	N.D.	0.646	#
26)	Chlordane-4	0.000	5.032	0	670147	N.D.	1.582	#
27)	Chlordane-5	0.000	5.926	0	860093	N.D.	5.616	#

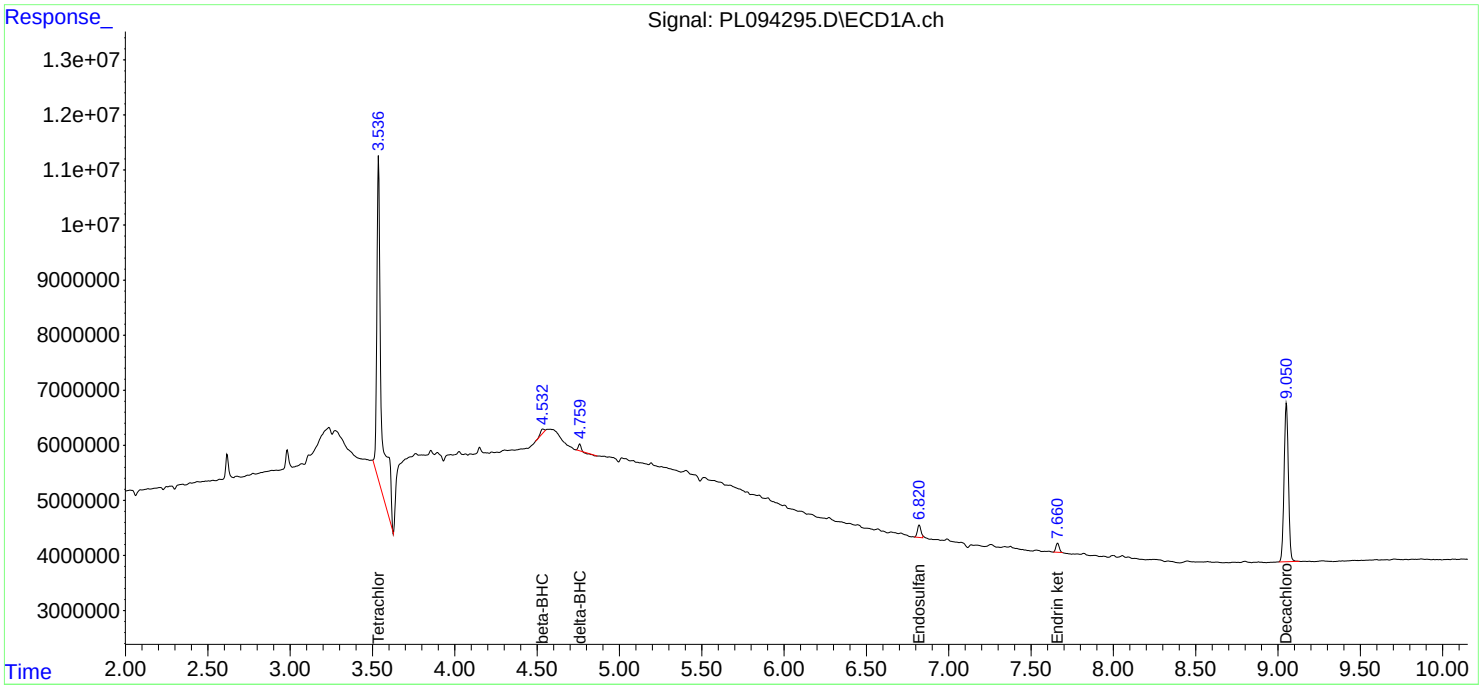
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

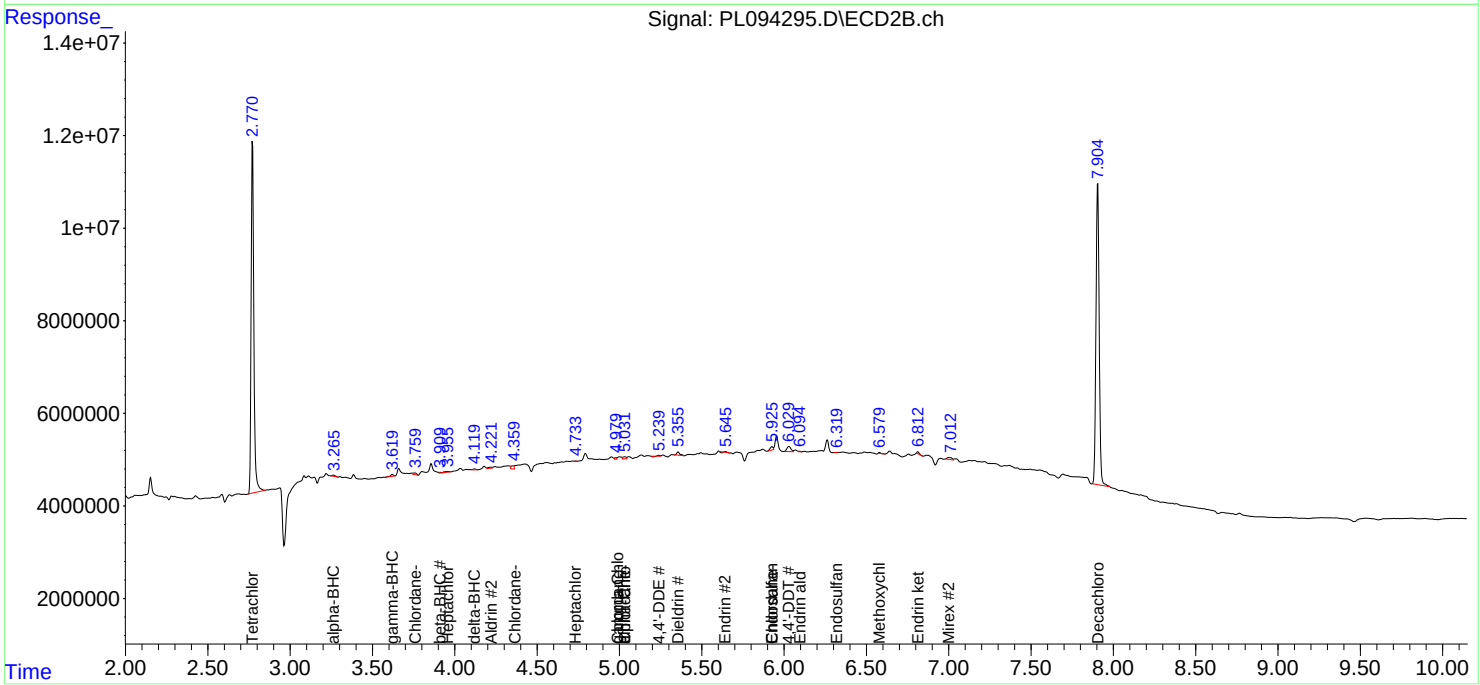
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094295.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 10:43
Operator : AR\AJ
Sample : Q1383-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

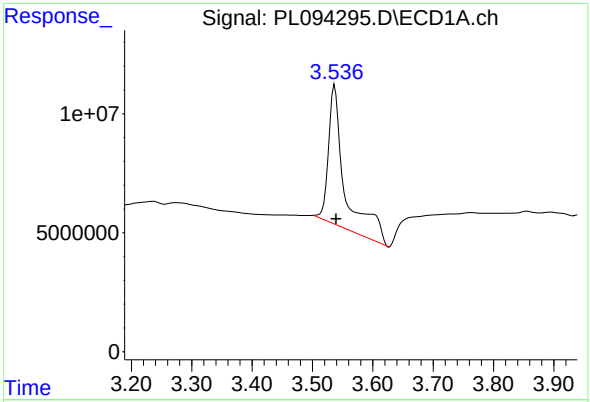
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-13-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:34:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



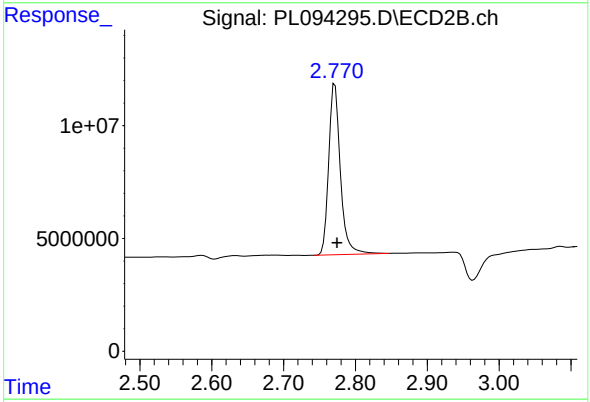




#1 Tetrachloro-m-xylene

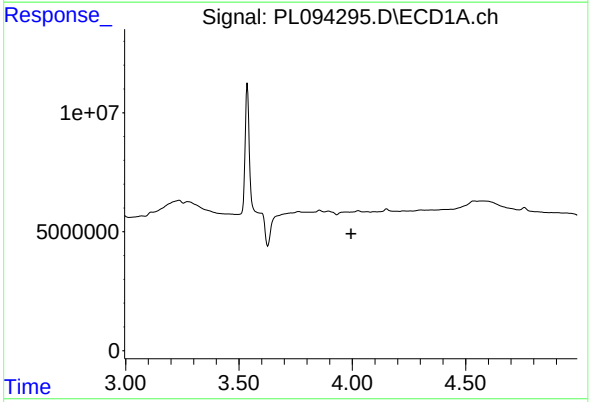
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 111965752
Conc: 41.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-13-021725



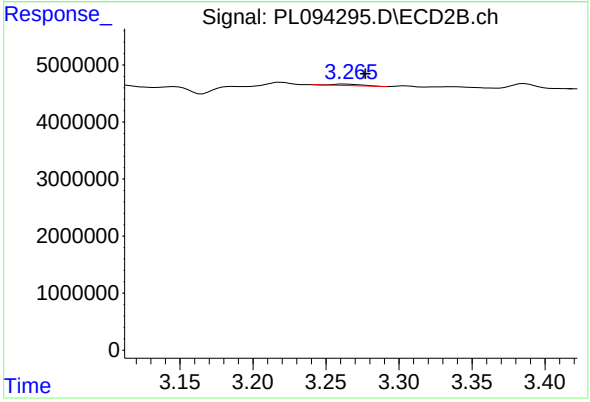
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 85540938
Conc: 26.21 ng/ml



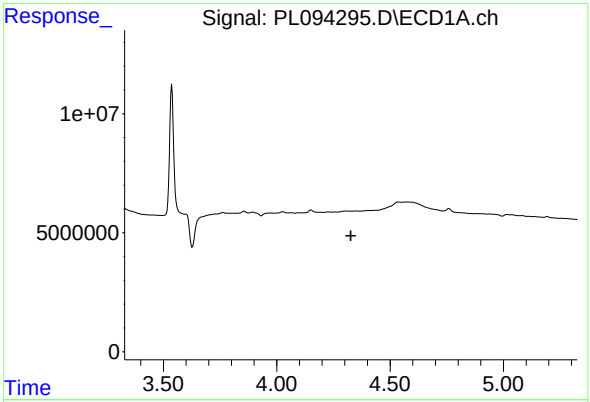
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.995 min
Response: 0
Conc: N.D.



#2 alpha-BHC

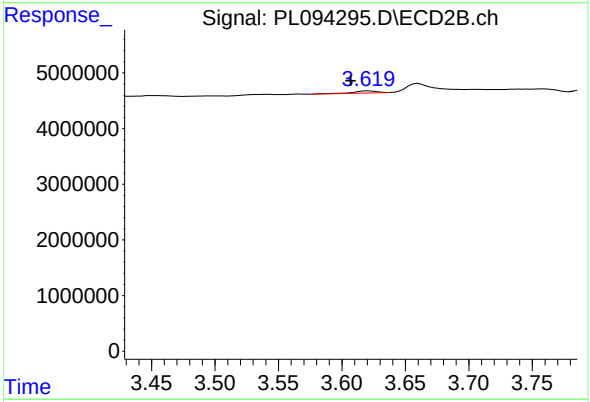
R.T.: 3.263 min
Delta R.T.: -0.014 min
Response: 356092
Conc: 0.07 ng/ml



#3 gamma-BHC (Lindane)

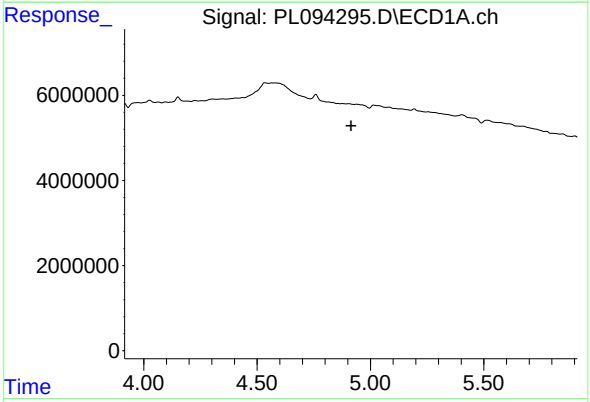
R.T.: 0.000 min
Exp R.T. : 4.327 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-13-021725



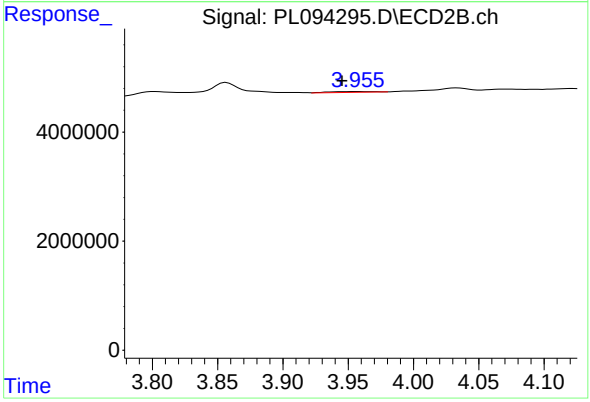
#3 gamma-BHC (Lindane)

R.T.: 3.620 min
Delta R.T.: 0.013 min
Response: 473178
Conc: 0.10 ng/ml



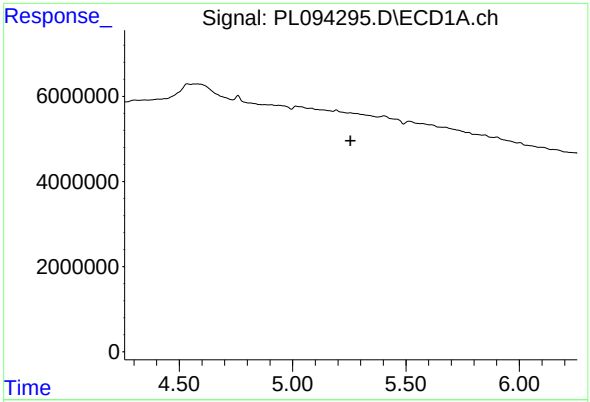
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.914 min
Response: 0
Conc: N.D.



#4 Heptachlor

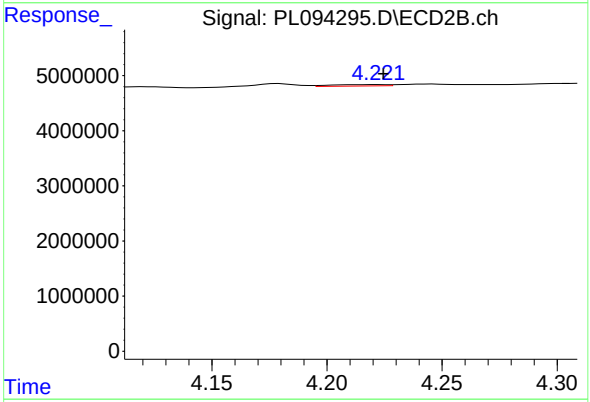
R.T.: 3.957 min
Delta R.T.: 0.012 min
Response: 381997
Conc: 0.08 ng/ml



#5 Aldrin

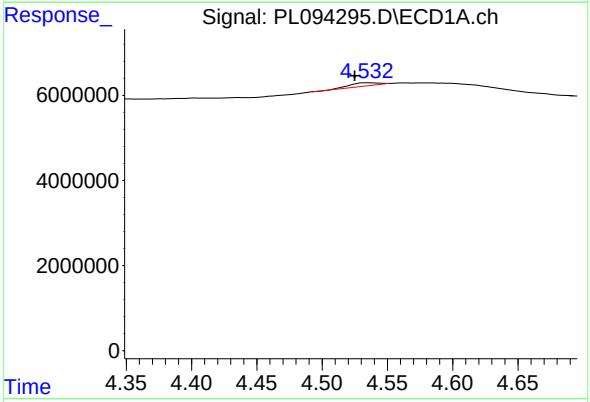
R.T.: 0.000 min
Exp R.T. : 5.256 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-13-021725



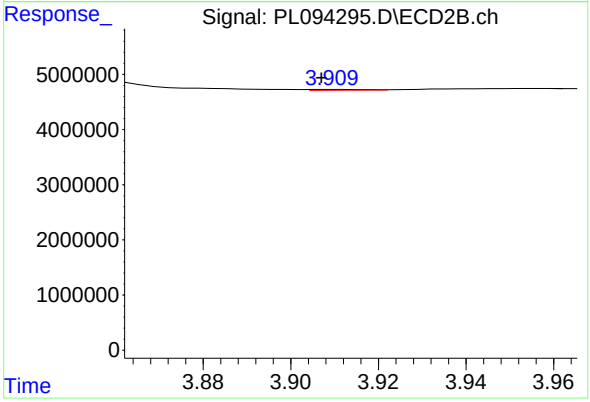
#5 Aldrin

R.T.: 4.222 min
Delta R.T.: -0.002 min
Response: 418322
Conc: 0.09 ng/ml



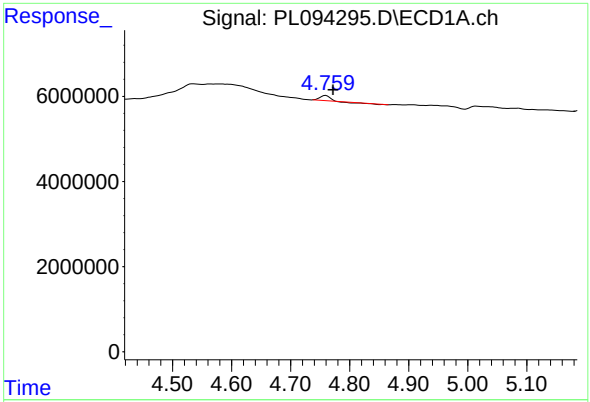
#6 beta-BHC

R.T.: 4.535 min
Delta R.T.: 0.010 min
Response: 1138982
Conc: 0.71 ng/ml



#6 beta-BHC

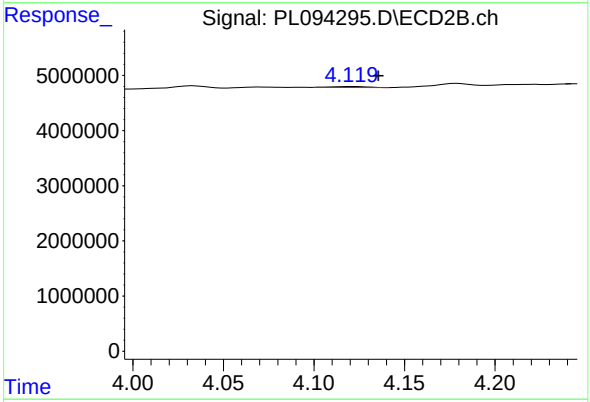
R.T.: 3.911 min
Delta R.T.: 0.004 min
Response: 128815
Conc: 0.06 ng/ml



#7 delta-BHC

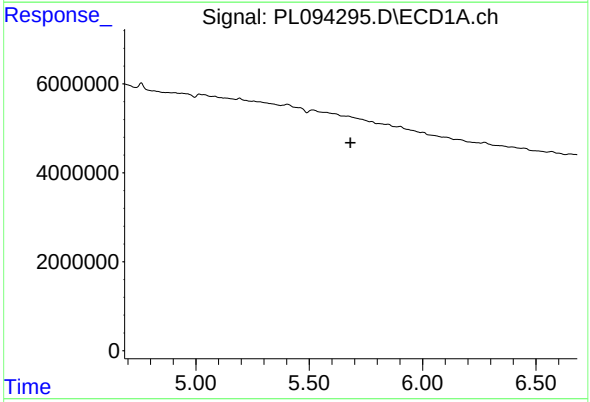
R.T.: 4.759 min
Delta R.T.: -0.012 min
Response: 1121092
Conc: 0.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-13-021725



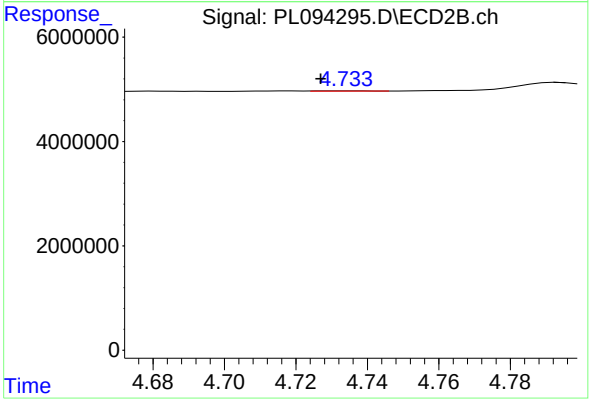
#7 delta-BHC

R.T.: 4.120 min
Delta R.T.: -0.015 min
Response: 274437
Conc: 0.06 ng/ml



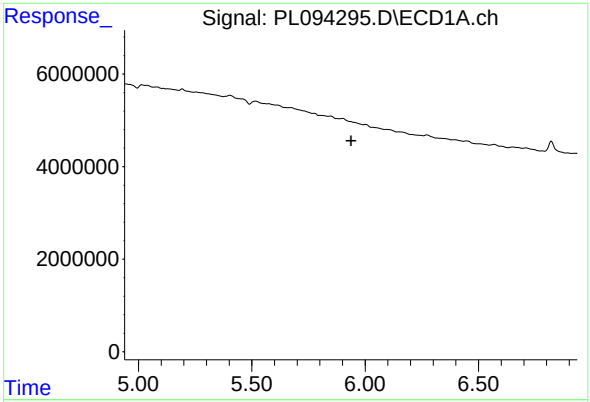
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 5.682 min
Response: 0
Conc: N.D.



#8 Heptachlor epoxide

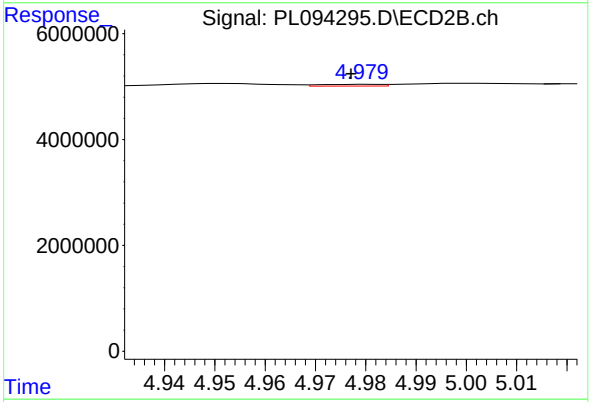
R.T.: 4.735 min
Delta R.T.: 0.008 min
Response: 49793
Conc: 0.01 ng/ml



#10 gamma-Chlordane

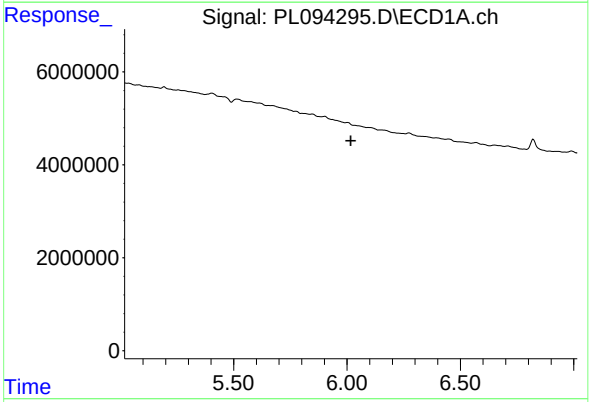
R.T.: 0.000 min
Exp R.T. : 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-13-021725



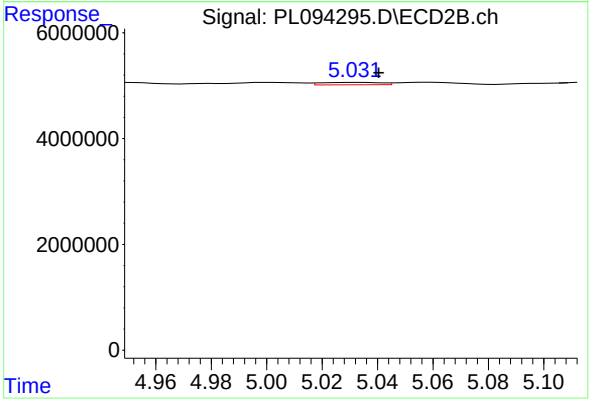
#10 gamma-Chlordane

R.T.: 4.980 min
Delta R.T.: 0.003 min
Response: 280907
Conc: 0.07 ng/ml



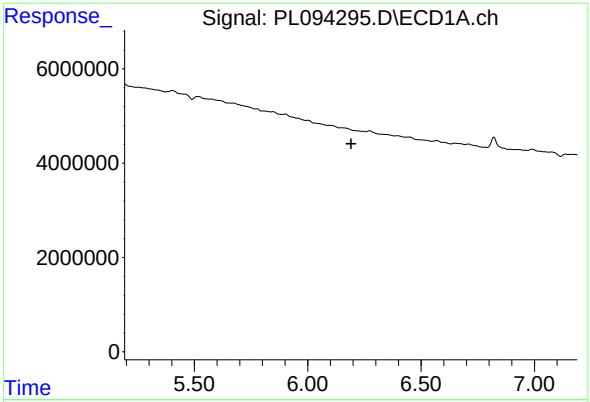
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T. : 6.017 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

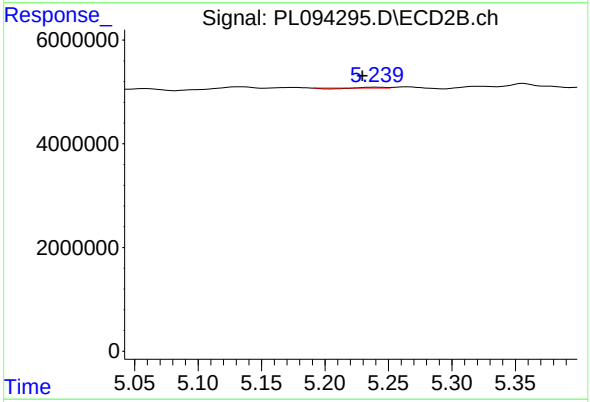
R.T.: 5.032 min
Delta R.T.: -0.008 min
Response: 670147
Conc: 0.16 ng/ml



#12 4,4'-DDE

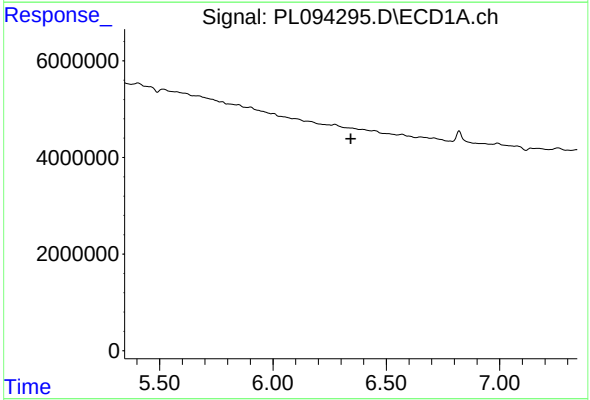
R.T.: 0.000 min
Exp R.T. : 6.191 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-13-021725



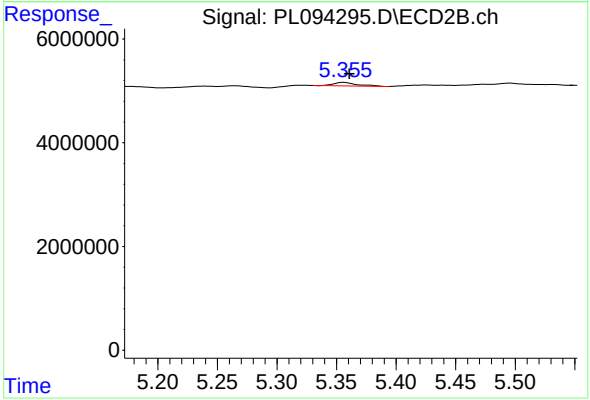
#12 4,4'-DDE

R.T.: 5.240 min
Delta R.T.: 0.011 min
Response: 2664
Conc: 0.00 ng/ml



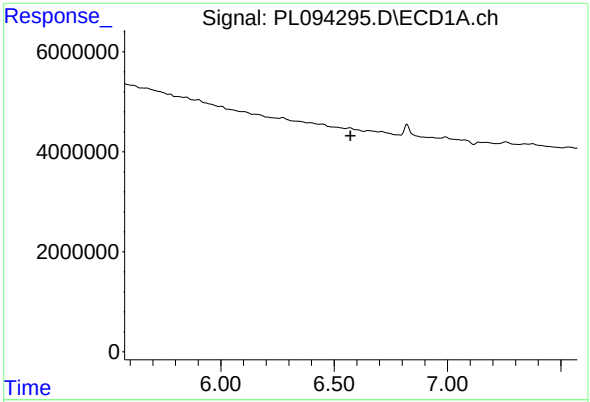
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.343 min
Response: 0
Conc: N.D.



#13 Dieldrin

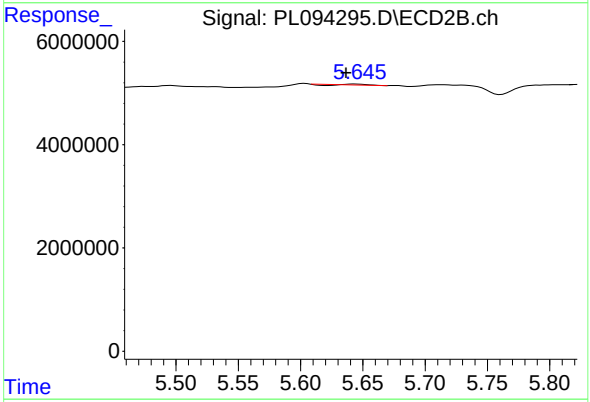
R.T.: 5.357 min
Delta R.T.: -0.004 min
Response: 951575
Conc: 0.22 ng/ml



#14 Endrin

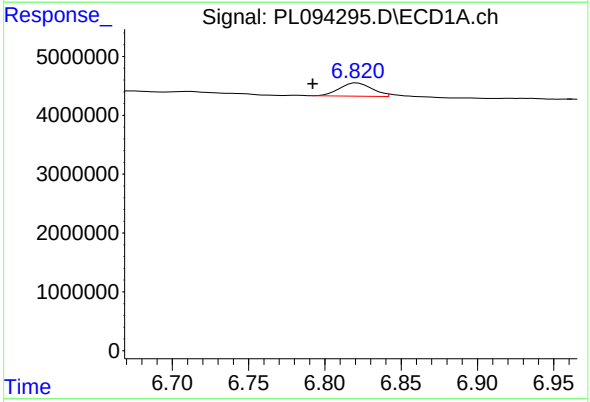
R.T.: 0.000 min
Exp R.T. : 6.572 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-13-021725



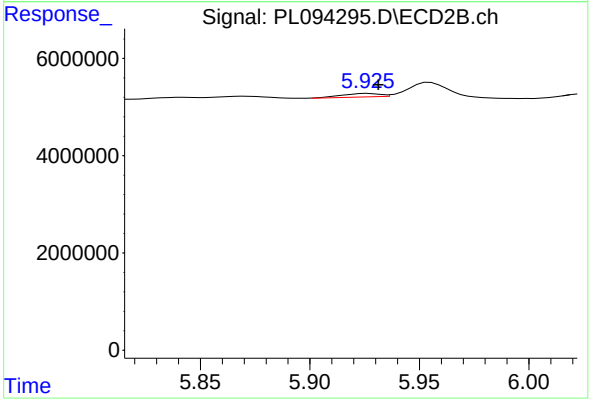
#14 Endrin

R.T.: 5.644 min
Delta R.T.: 0.008 min
Response: 8480
Conc: 0.00 ng/ml



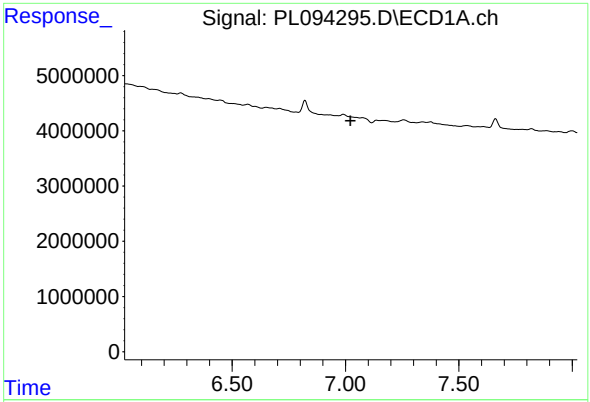
#15 Endosulfan II

R.T.: 6.821 min
Delta R.T.: 0.029 min
Response: 3289062
Conc: 1.37 ng/ml



#15 Endosulfan II

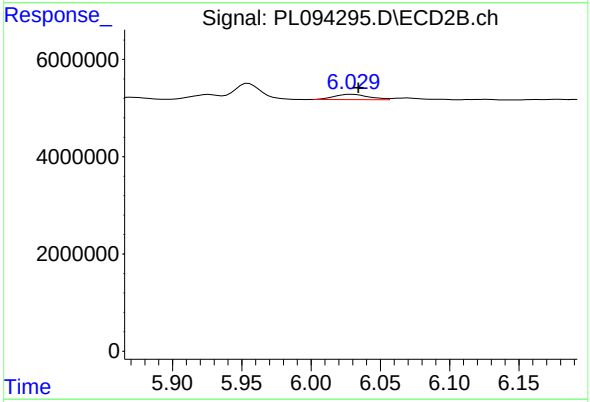
R.T.: 5.926 min
Delta R.T.: -0.005 min
Response: 860093
Conc: 0.23 ng/ml



#17 4,4'-DDT

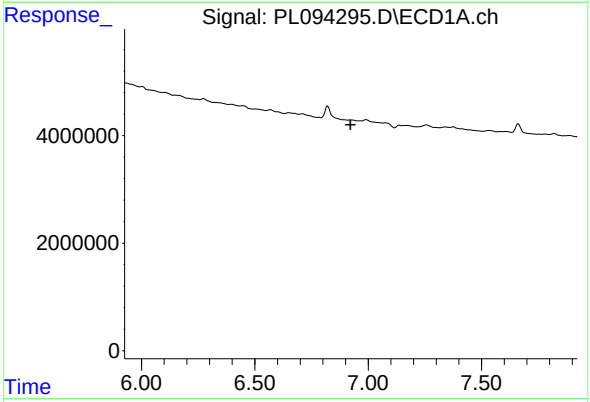
R.T.: 0.000 min
Exp R.T. : 7.022 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-13-021725



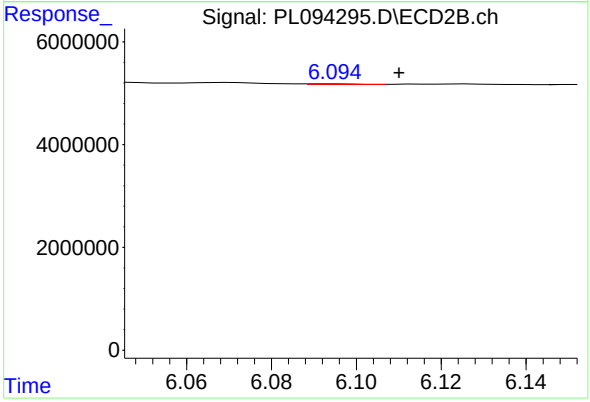
#17 4,4'-DDT

R.T.: 6.030 min
Delta R.T.: -0.004 min
Response: 1872874
Conc: 0.58 ng/ml



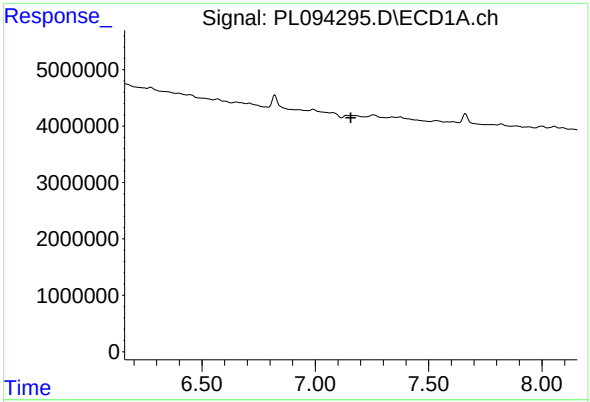
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.923 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

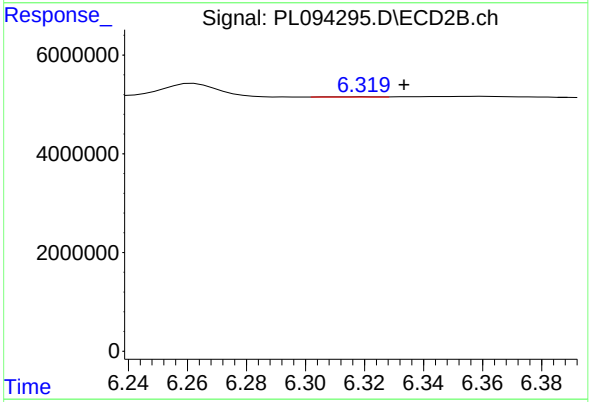
R.T.: 6.095 min
Delta R.T.: -0.015 min
Response: 98986
Conc: 0.03 ng/ml



#19 Endosulfan Sulfate

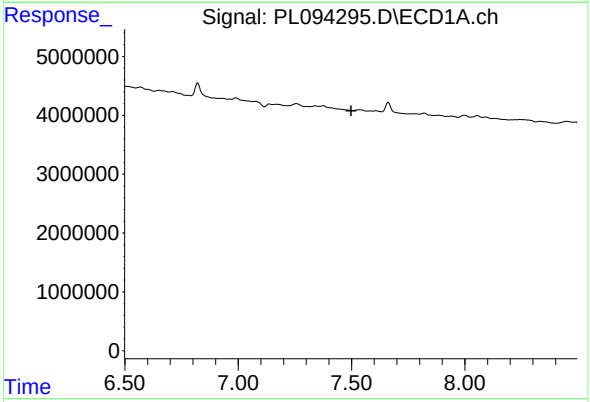
R.T.: 0.000 min
Exp R.T. : 7.157 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-13-021725



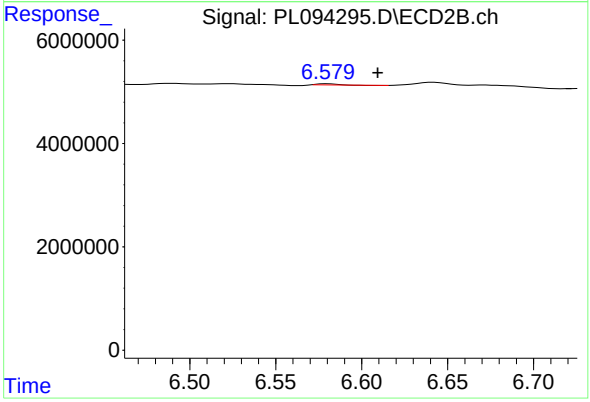
#19 Endosulfan Sulfate

R.T.: 6.320 min
Delta R.T.: -0.013 min
Response: 56791
Conc: 0.02 ng/ml



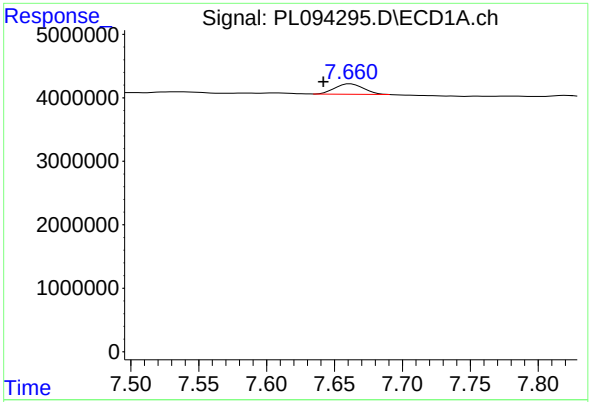
#20 Methoxychlor

R.T.: 0.000 min
Exp R.T. : 7.498 min
Response: 0
Conc: N.D.



#20 Methoxychlor

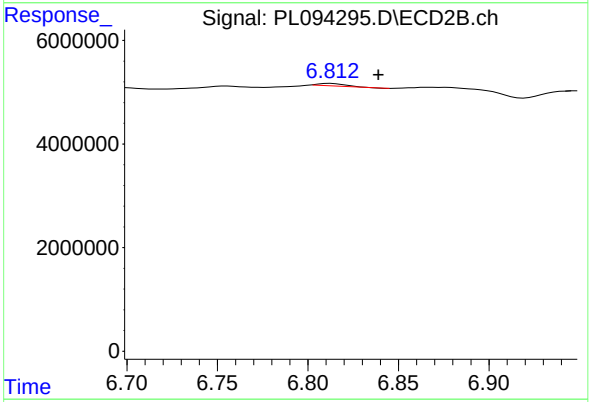
R.T.: 6.580 min
Delta R.T.: -0.029 min
Response: 170347
Conc: 0.10 ng/ml



#21 Endrin ketone

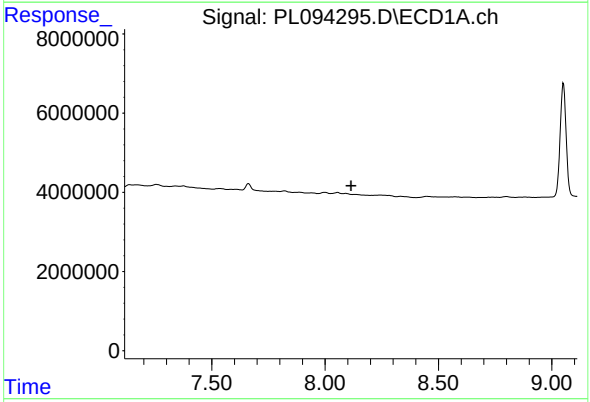
R.T.: 7.662 min
Delta R.T.: 0.020 min
Response: 2372236
Conc: 0.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-13-021725



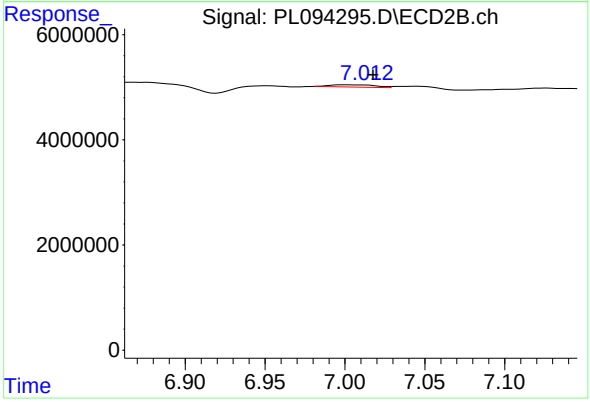
#21 Endrin ketone

R.T.: 6.813 min
Delta R.T.: -0.026 min
Response: 472437
Conc: 0.11 ng/ml



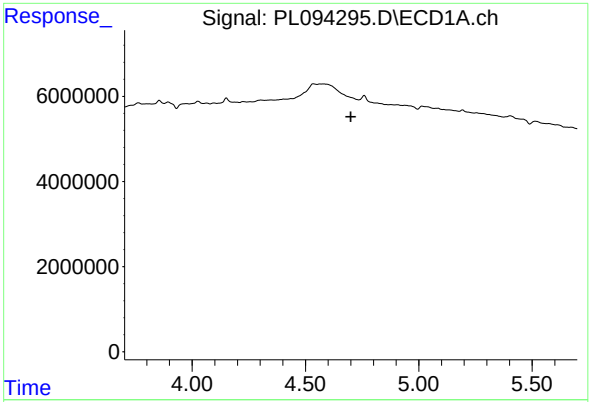
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.



#22 Mirex

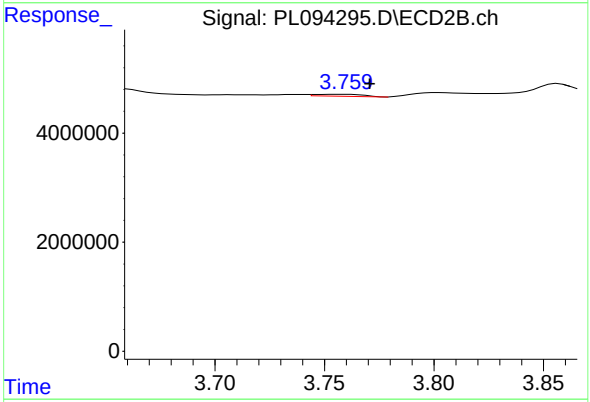
R.T.: 7.000 min
Delta R.T.: -0.018 min
Response: 893550
Conc: 0.26 ng/ml



#23 Chlordane-1

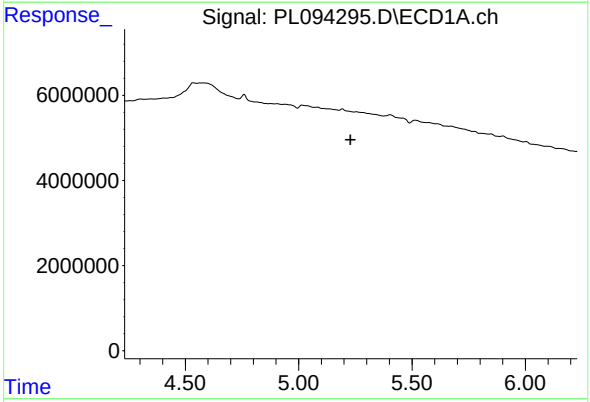
R.T.: 0.000 min
Exp R.T. : 4.700 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-13-021725



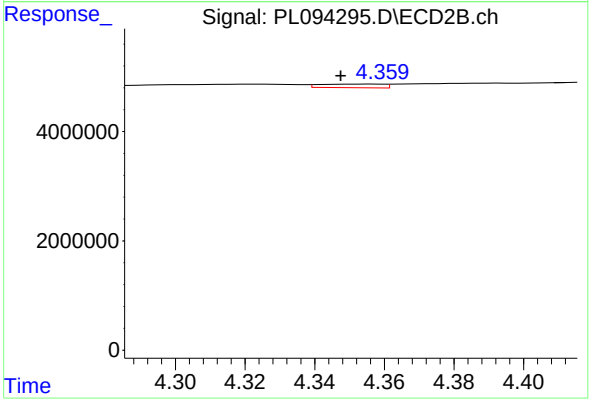
#23 Chlordane-1

R.T.: 3.759 min
Delta R.T.: -0.011 min
Response: 547585
Conc: 4.39 ng/ml



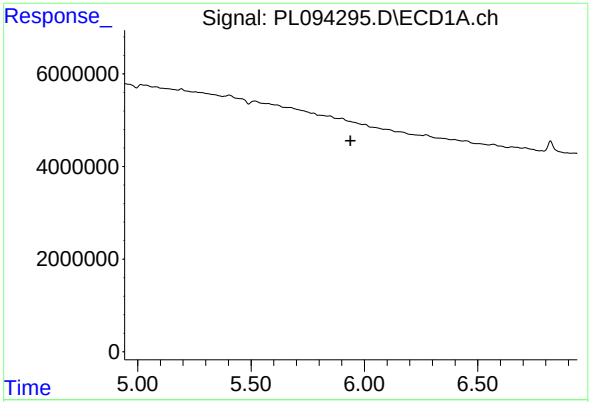
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 5.229 min
Response: 0
Conc: N.D.



#24 Chlordane-2

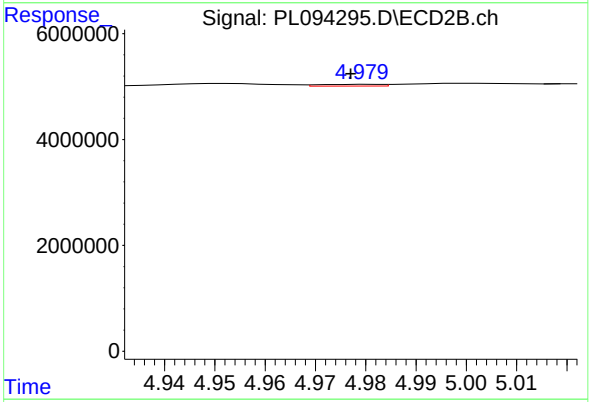
R.T.: 4.357 min
Delta R.T.: 0.009 min
Response: 845448
Conc: 5.76 ng/ml



#25 Chlordane-3

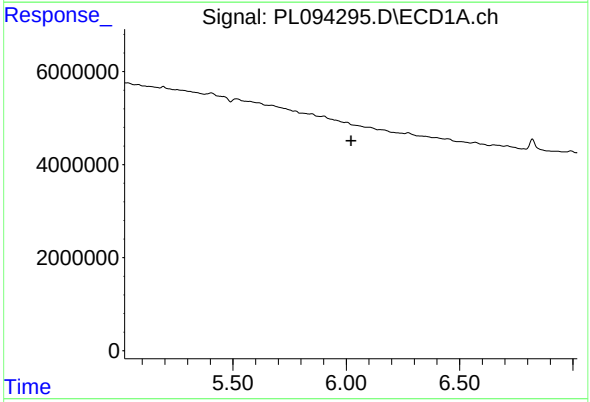
R.T.: 0.000 min
Exp R.T. : 5.939 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-13-021725



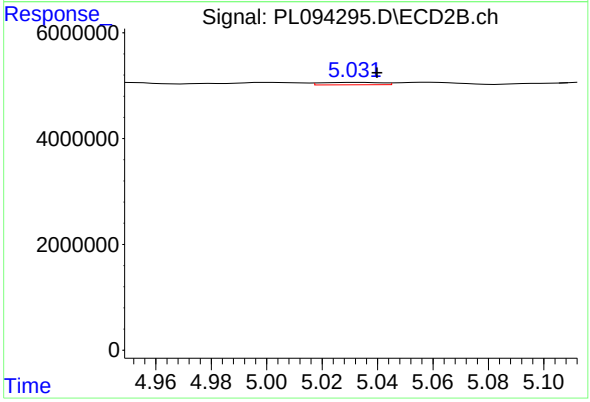
#25 Chlordane-3

R.T.: 4.980 min
Delta R.T.: 0.003 min
Response: 280907
Conc: 0.65 ng/ml



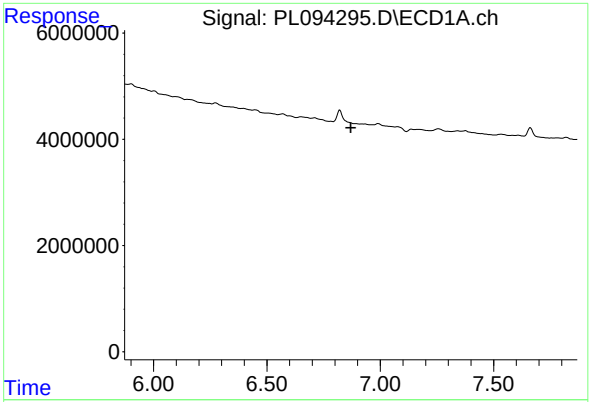
#26 Chlordane-4

R.T.: 0.000 min
Exp R.T. : 6.021 min
Response: 0
Conc: N.D.



#26 Chlordane-4

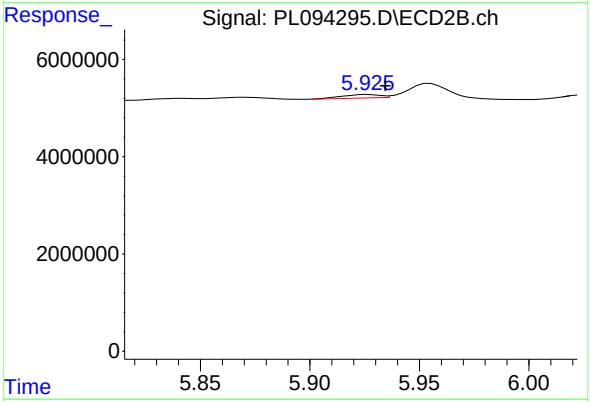
R.T.: 5.032 min
Delta R.T.: -0.007 min
Response: 670147
Conc: 1.58 ng/ml



#27 Chlordane-5

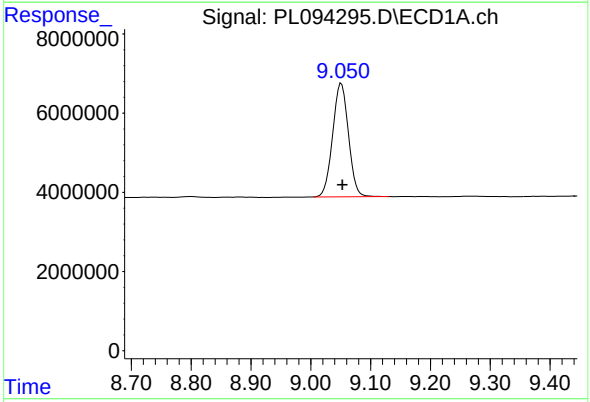
R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-13-021725



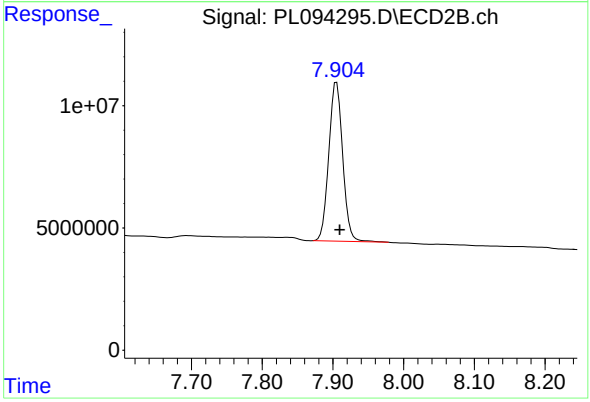
#27 Chlordane-5

R.T.: 5.926 min
Delta R.T.: -0.008 min
Response: 860093
Conc: 5.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.002 min
Response: 52716667
Conc: 25.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 88727506
Conc: 25.32 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094296.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 10:57
Operator : AR\AJ
Sample : Q1383-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-14-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:35:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.771	112.7E6	85322506	41.867	26.139	#
28)	SA Decachlor...	9.051	7.905	53176040	89838048	25.420	25.638	
	Target Compounds							
2)	A alpha-BHC	0.000	3.264	0	695882	N.D.	0.142	#
3)	MA gamma-BHC...	0.000	3.620	0	518919	N.D.	0.109	#
4)	MA Heptachlor	0.000	3.948	0	482004	N.D.	0.104	#
5)	MB Aldrin	0.000	4.245f	0	764786	N.D.	0.168	#
6)	B beta-BHC	0.000	3.909	0	476363	N.D.	0.238	#
7)	B delta-BHC	0.000	4.119f	0	283889	N.D.	0.060	#
10)	B gamma-Chl...	0.000	5.002f	0	1084904	N.D.	0.256	#
11)	B alpha-Chl...	0.000	5.027	0	760109	N.D.	0.182	#
13)	MA Dieldrin	0.000	5.357	0	2532330	N.D.	0.590	#
15)	B Endosulfa...	6.820f	5.923	2626513	1586862	1.090	0.428	#
17)	MA 4,4'-DDT	0.000	6.026	0	3639518	N.D.	1.118	#
18)	B Endrin al...	0.000	6.123	0	137620	N.D.	0.045	#
19)	B Endosulfa...	0.000	6.324	0	165409	N.D.	0.046	#
20)	A Methoxychlor	0.000	6.580f	0	304163	N.D.	0.170	#
21)	B Endrin ke...	7.662f	6.812f	2175886	503485	0.863	0.120	#
22)	Mirex	0.000	7.010	0	618180	N.D.	0.183	#
23)	Chlordane-1	0.000	3.754	0	1356906	N.D.	10.873	#
24)	Chlordane-2	0.000	4.352	0	892420	N.D.	6.082	#
25)	Chlordane-3	0.000	5.002f	0	1084904	N.D.	2.495	#
26)	Chlordane-4	0.000	5.027	0	760109	N.D.	1.794	#
27)	Chlordane-5	0.000	5.923	0	1586862	N.D.	10.361	#

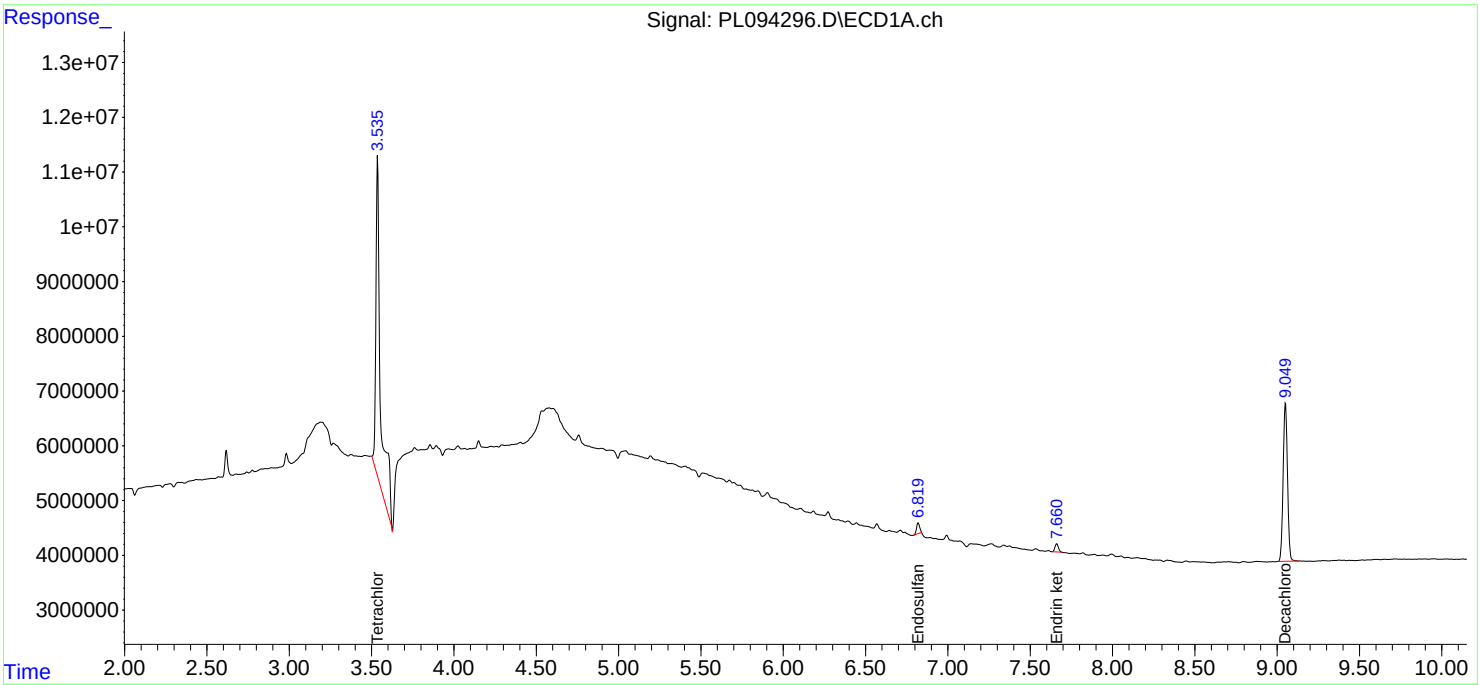
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

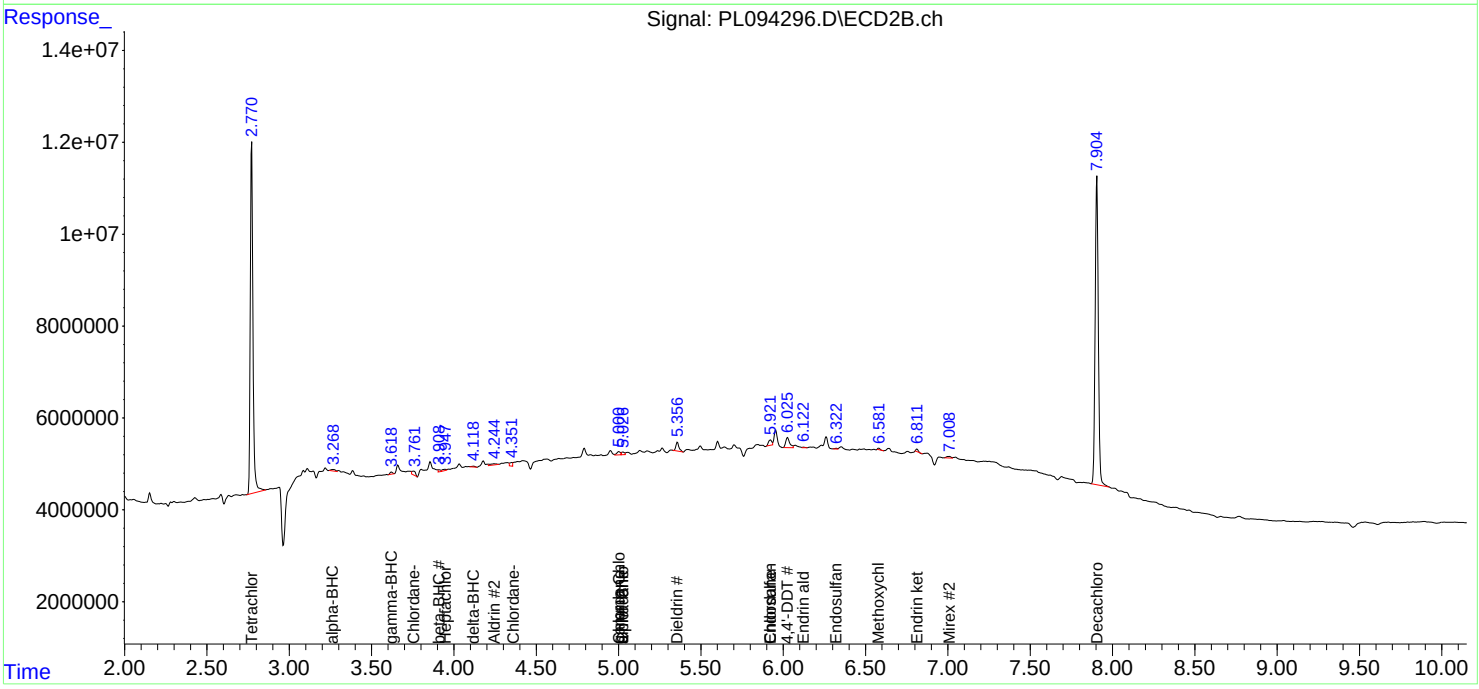
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094296.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 10:57
Operator : AR\AJ
Sample : Q1383-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

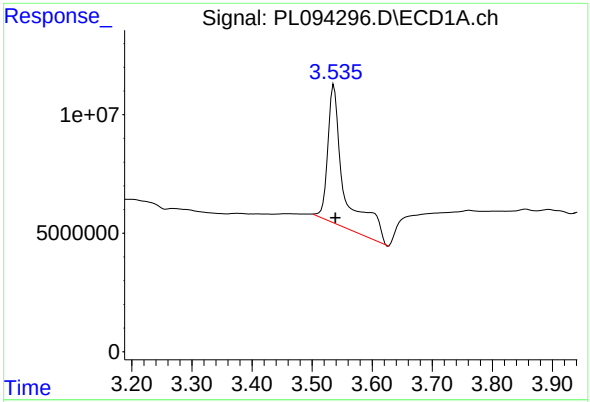
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-14-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:35:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



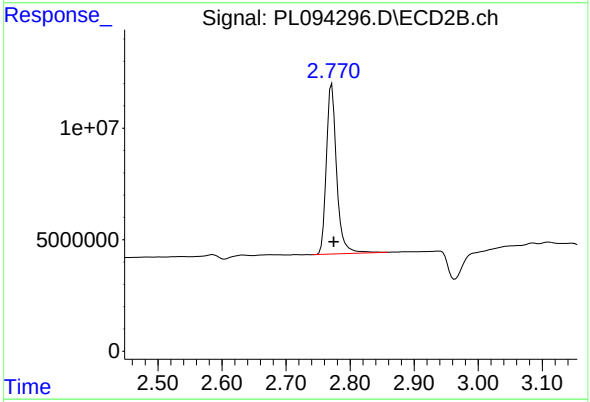




#1 Tetrachloro-m-xylene

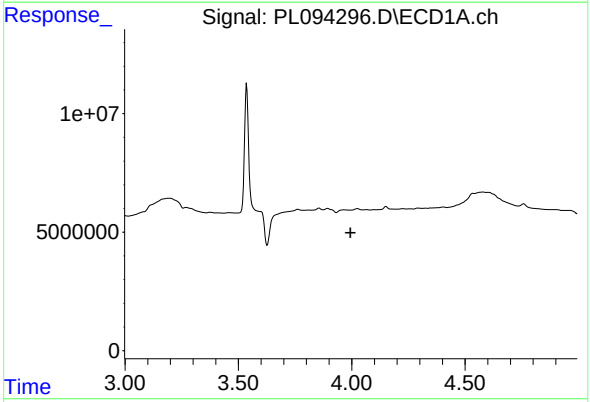
R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 112737294
Conc: 41.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-14-021725



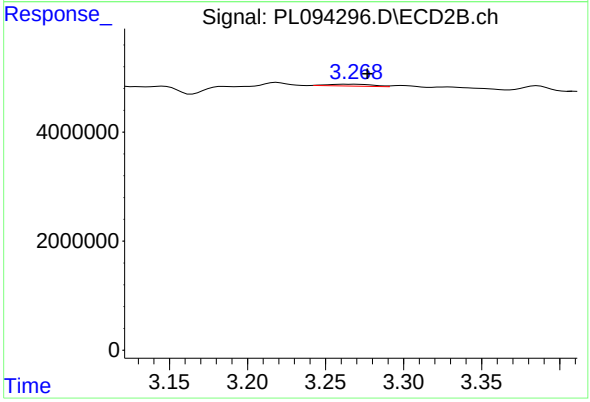
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 85322506
Conc: 26.14 ng/ml



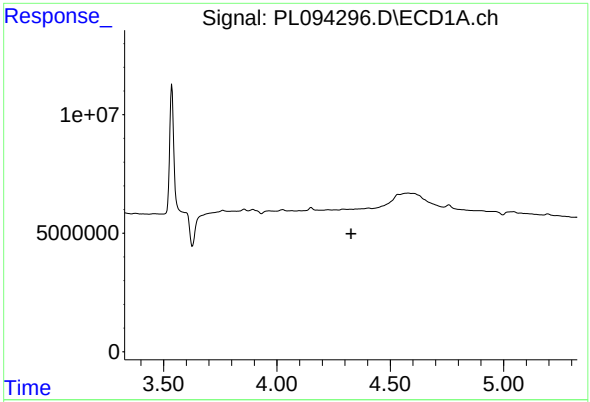
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.995 min
Response: 0
Conc: N.D.



#2 alpha-BHC

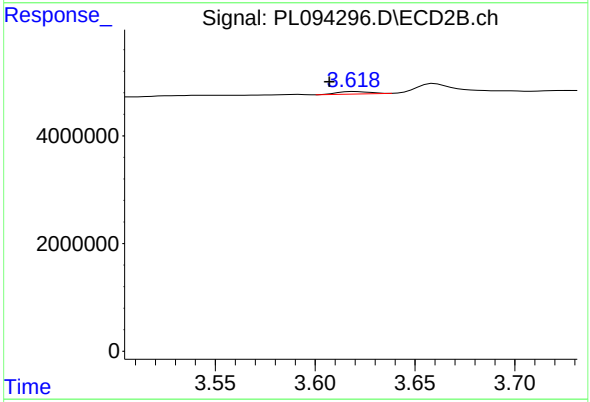
R.T.: 3.264 min
Delta R.T.: -0.013 min
Response: 695882
Conc: 0.14 ng/ml



#3 gamma-BHC (Lindane)

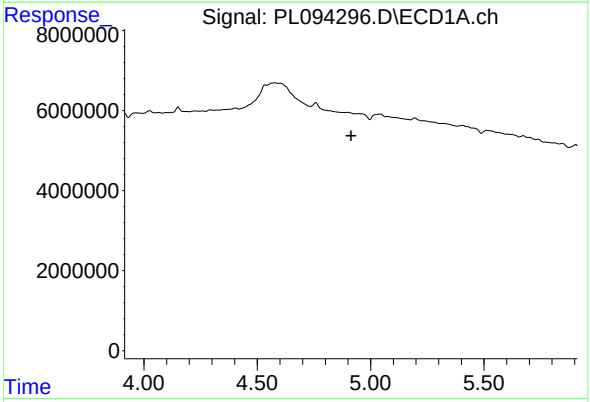
R.T.: 0.000 min
Exp R.T. : 4.327 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-14-021725



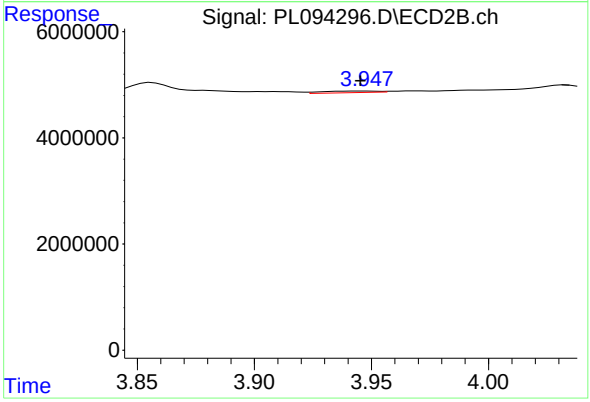
#3 gamma-BHC (Lindane)

R.T.: 3.620 min
Delta R.T.: 0.013 min
Response: 518919
Conc: 0.11 ng/ml



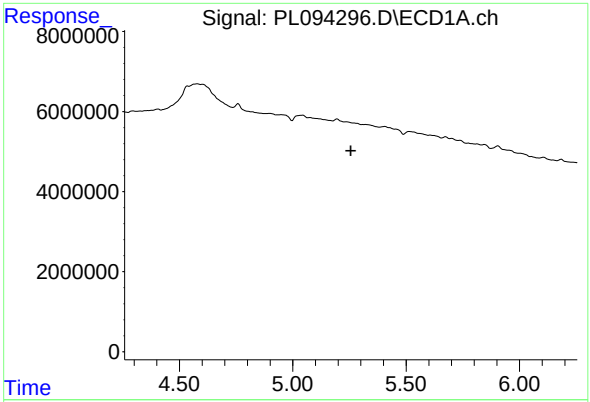
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.914 min
Response: 0
Conc: N.D.



#4 Heptachlor

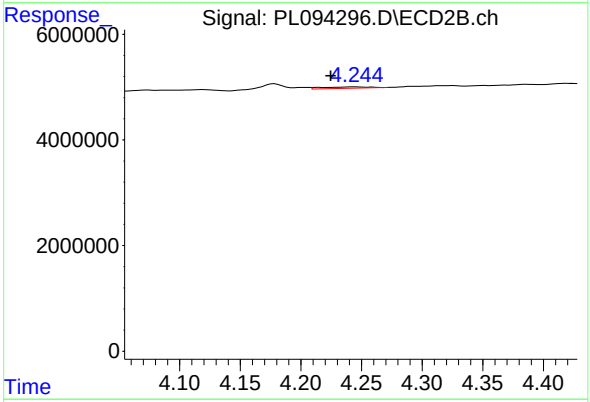
R.T.: 3.948 min
Delta R.T.: 0.003 min
Response: 482004
Conc: 0.10 ng/ml



#5 Aldrin

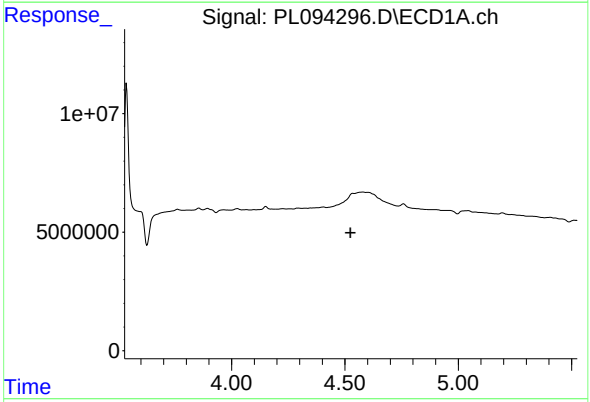
R.T.: 0.000 min
Exp R.T. : 5.256 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-14-021725



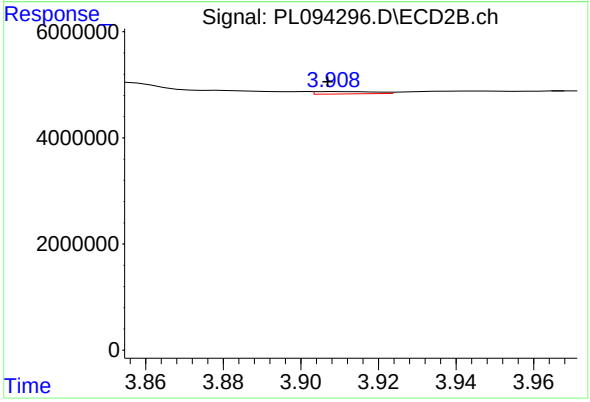
#5 Aldrin

R.T.: 4.245 min
Delta R.T.: 0.021 min
Response: 764786
Conc: 0.17 ng/ml



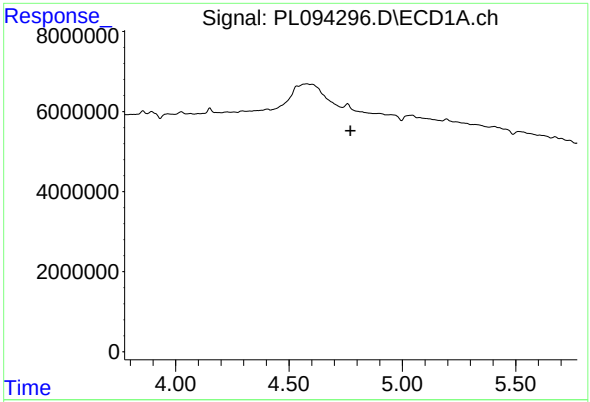
#6 beta-BHC

R.T.: 0.000 min
Exp R.T. : 4.525 min
Response: 0
Conc: N.D.



#6 beta-BHC

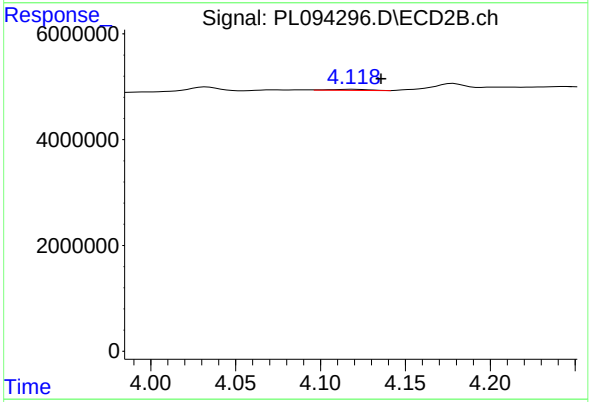
R.T.: 3.909 min
Delta R.T.: 0.002 min
Response: 476363
Conc: 0.24 ng/ml



#7 delta-BHC

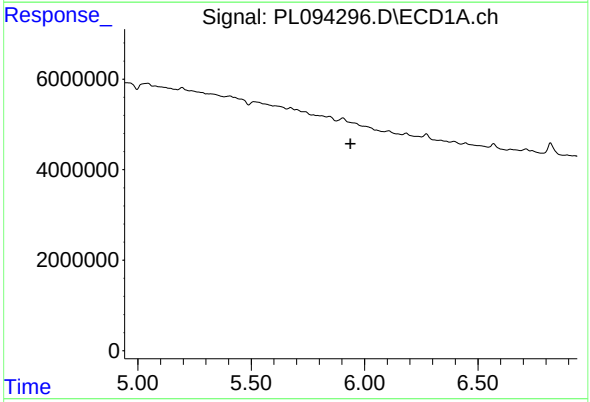
R.T.: 0.000 min
Exp R.T. : 4.772 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-14-021725



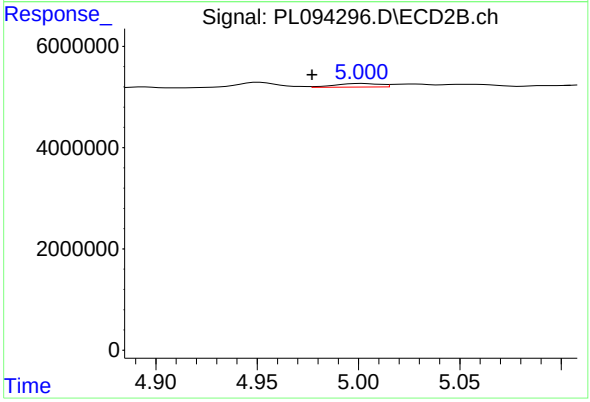
#7 delta-BHC

R.T.: 4.119 min
Delta R.T.: -0.016 min
Response: 283889
Conc: 0.06 ng/ml



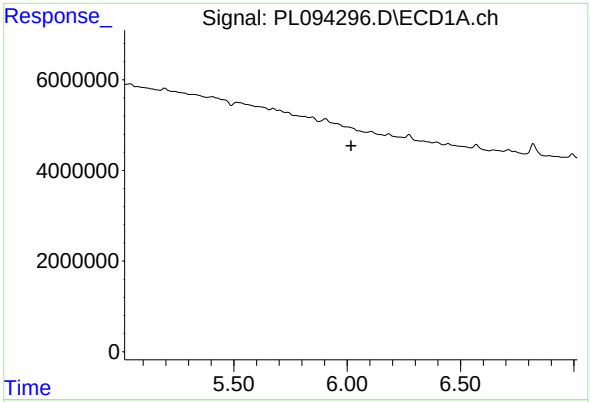
#10 gamma-Chlordane

R.T.: 0.000 min
Exp R.T. : 5.938 min
Response: 0
Conc: N.D.



#10 gamma-Chlordane

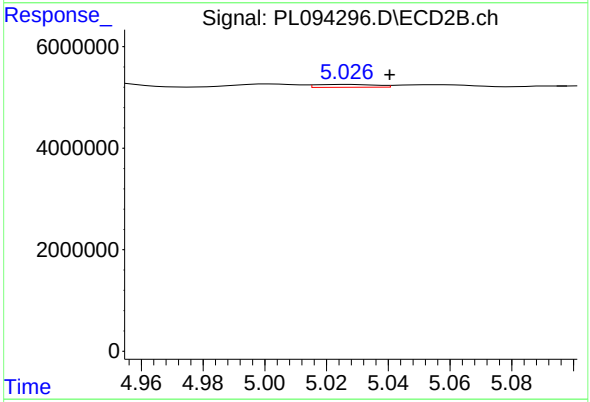
R.T.: 5.002 min
Delta R.T.: 0.024 min
Response: 1084904
Conc: 0.26 ng/ml



#11 alpha-Chlordane

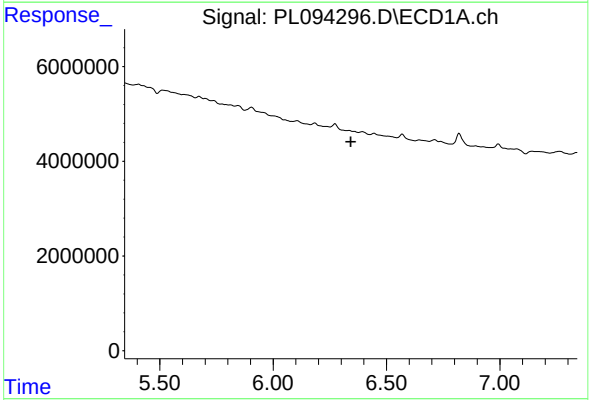
R.T.: 0.000 min
Exp R.T. : 6.017 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-14-021725



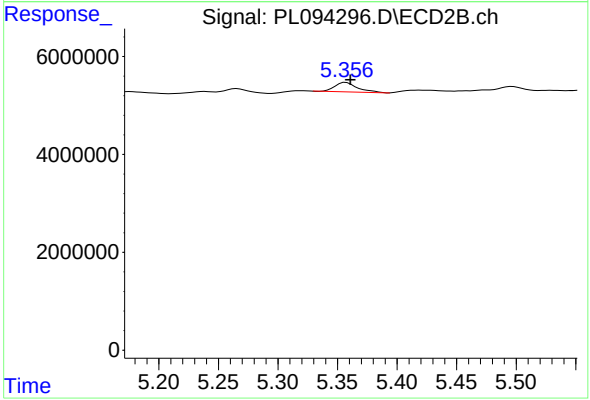
#11 alpha-Chlordane

R.T.: 5.027 min
Delta R.T.: -0.013 min
Response: 760109
Conc: 0.18 ng/ml



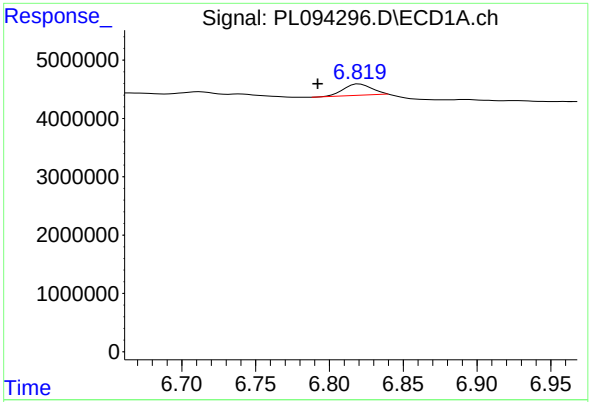
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.343 min
Response: 0
Conc: N.D.



#13 Dieldrin

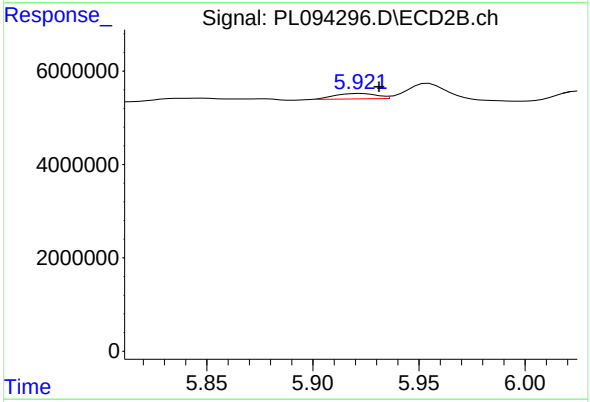
R.T.: 5.357 min
Delta R.T.: -0.004 min
Response: 2532330
Conc: 0.59 ng/ml



#15 Endosulfan II

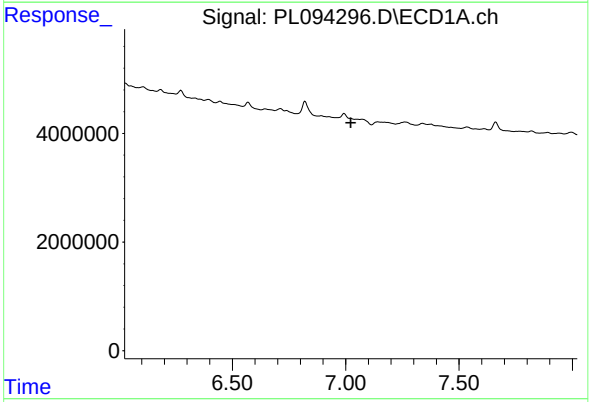
R.T.: 6.820 min
Delta R.T.: 0.028 min
Response: 2626513
Conc: 1.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-14-021725



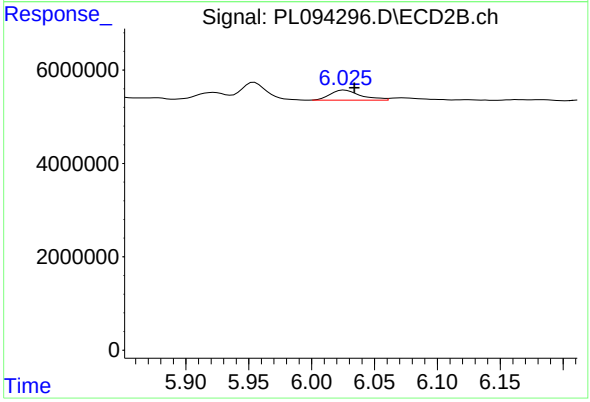
#15 Endosulfan II

R.T.: 5.923 min
Delta R.T.: -0.009 min
Response: 1586862
Conc: 0.43 ng/ml



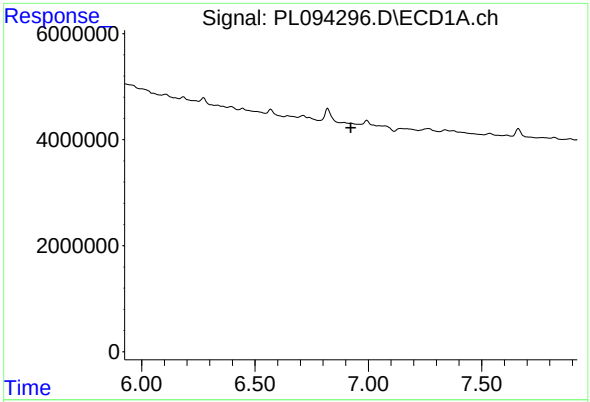
#17 4,4'-DDT

R.T.: 0.000 min
Exp R.T. : 7.022 min
Response: 0
Conc: N.D.



#17 4,4'-DDT

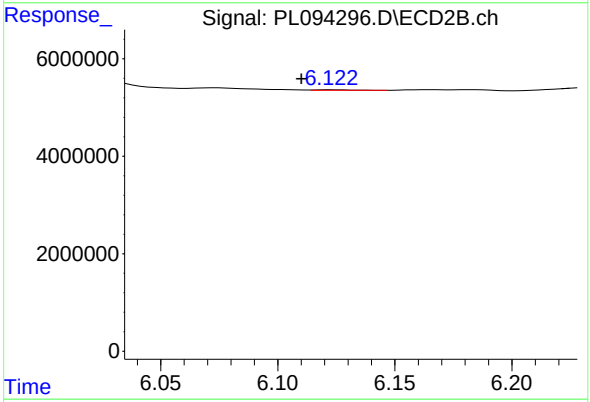
R.T.: 6.026 min
Delta R.T.: -0.008 min
Response: 3639518
Conc: 1.12 ng/ml



#18 Endrin aldehyde

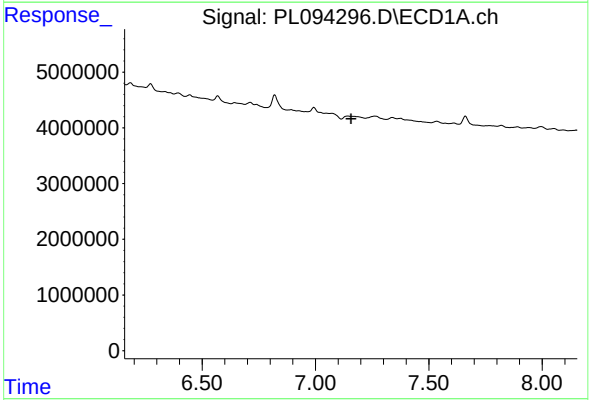
R.T.: 0.000 min
Exp R.T. : 6.923 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-14-021725



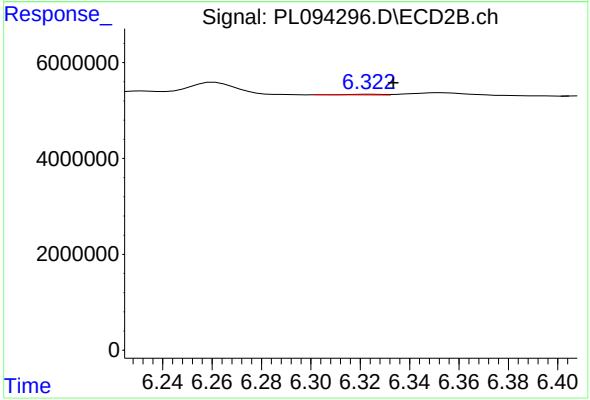
#18 Endrin aldehyde

R.T.: 6.123 min
Delta R.T.: 0.013 min
Response: 137620
Conc: 0.05 ng/ml



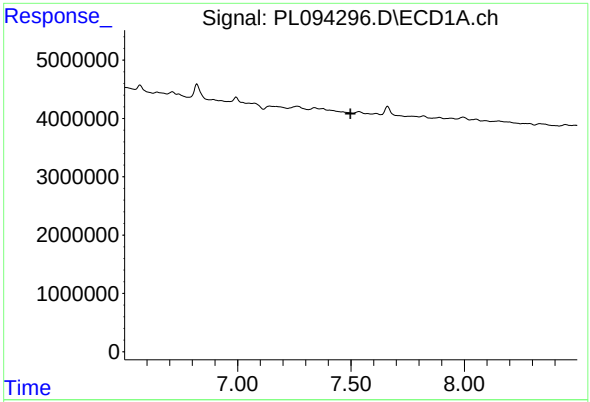
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T. : 7.157 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

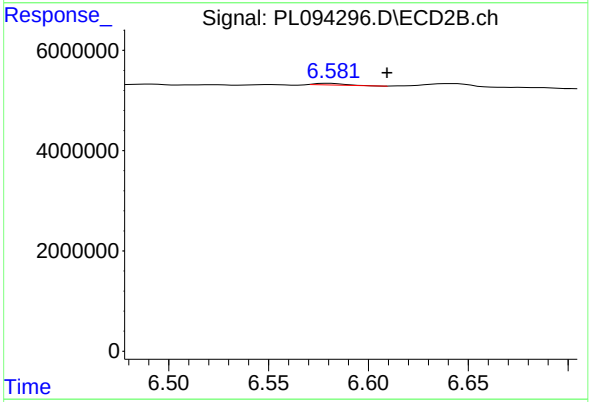
R.T.: 6.324 min
Delta R.T.: -0.010 min
Response: 165409
Conc: 0.05 ng/ml



#20 Methoxychlor

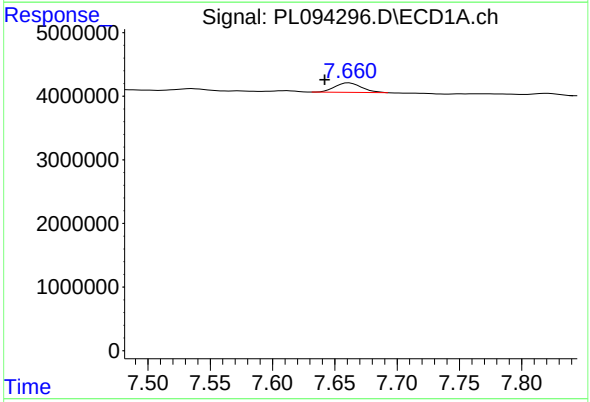
R.T.: 0.000 min
Exp R.T. : 7.498 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-14-021725



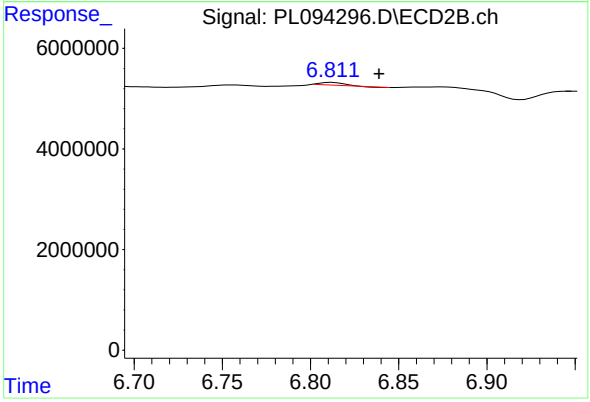
#20 Methoxychlor

R.T.: 6.580 min
Delta R.T.: -0.029 min
Response: 304163
Conc: 0.17 ng/ml



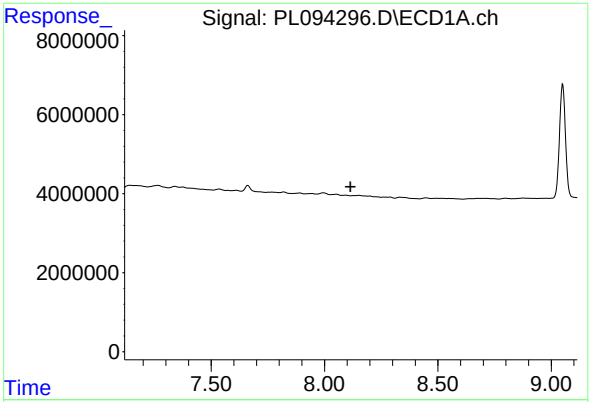
#21 Endrin ketone

R.T.: 7.662 min
Delta R.T.: 0.020 min
Response: 2175886
Conc: 0.86 ng/ml



#21 Endrin ketone

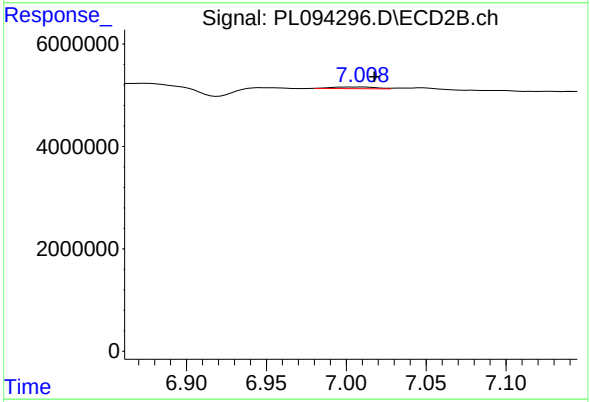
R.T.: 6.812 min
Delta R.T.: -0.027 min
Response: 503485
Conc: 0.12 ng/ml



#22 Mirex

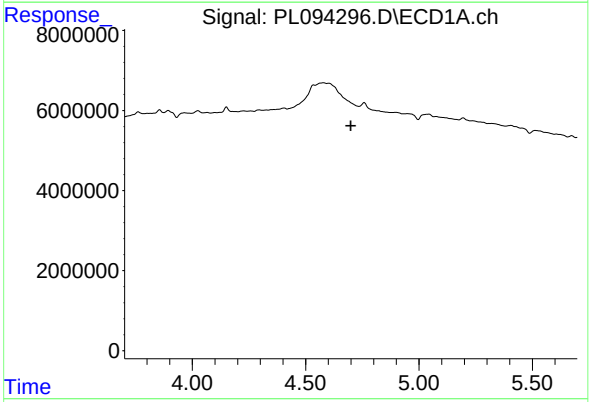
R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-14-021725



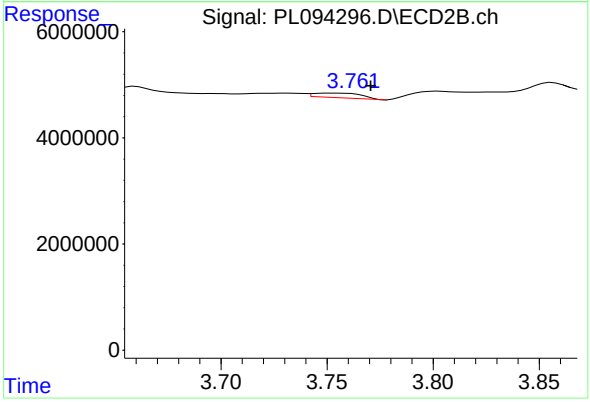
#22 Mirex

R.T.: 7.010 min
Delta R.T.: -0.008 min
Response: 618180
Conc: 0.18 ng/ml



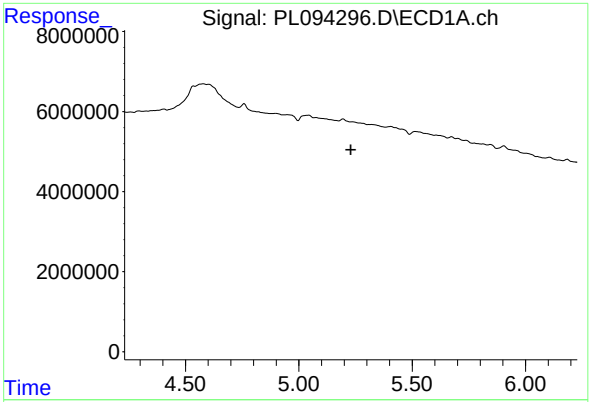
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.700 min
Response: 0
Conc: N.D.



#23 Chlordane-1

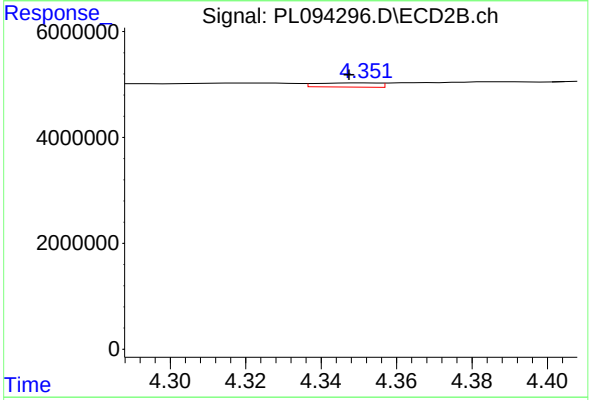
R.T.: 3.754 min
Delta R.T.: -0.017 min
Response: 1356906
Conc: 10.87 ng/ml



#24 Chlordane-2

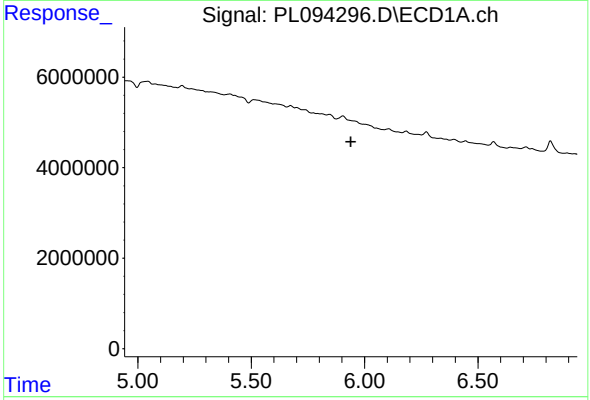
R.T.: 0.000 min
Exp R.T. : 5.229 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-14-021725



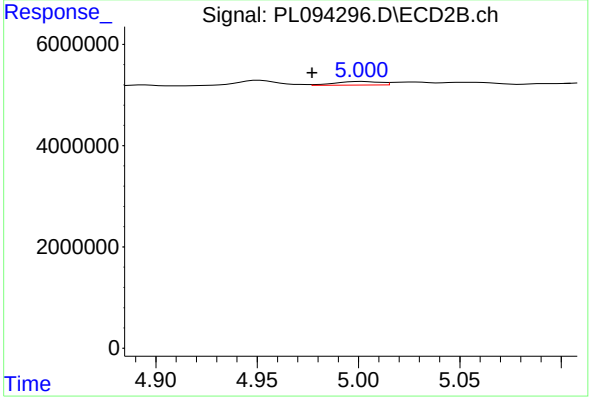
#24 Chlordane-2

R.T.: 4.352 min
Delta R.T.: 0.005 min
Response: 892420
Conc: 6.08 ng/ml



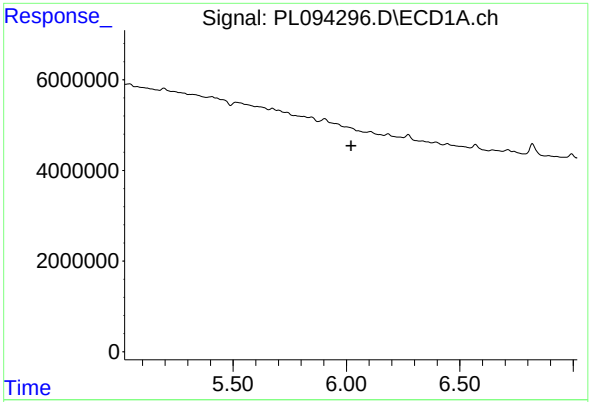
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T. : 5.939 min
Response: 0
Conc: N.D.



#25 Chlordane-3

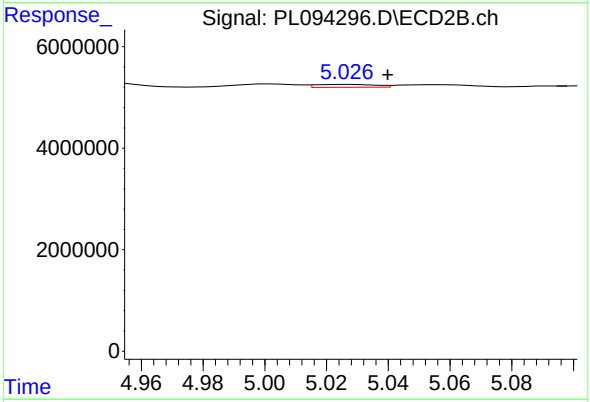
R.T.: 5.002 min
Delta R.T.: 0.024 min
Response: 1084904
Conc: 2.50 ng/ml



#26 Chlordane-4

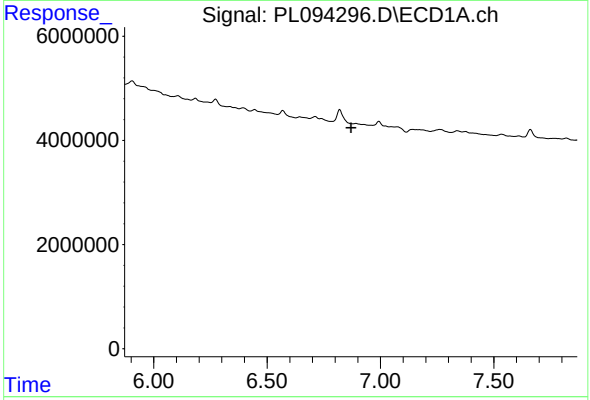
R.T.: 0.000 min
Exp R.T. : 6.021 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-14-021725



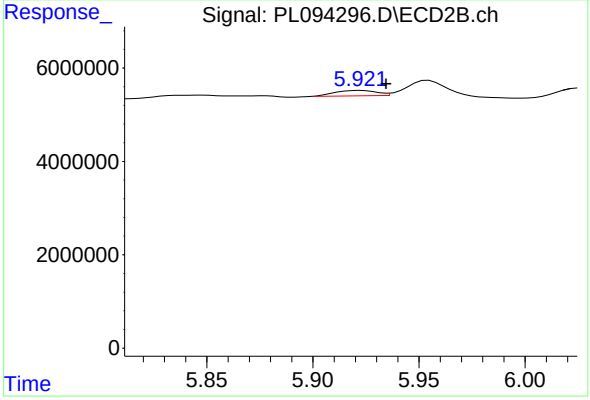
#26 Chlordane-4

R.T.: 5.027 min
Delta R.T.: -0.013 min
Response: 760109
Conc: 1.79 ng/ml



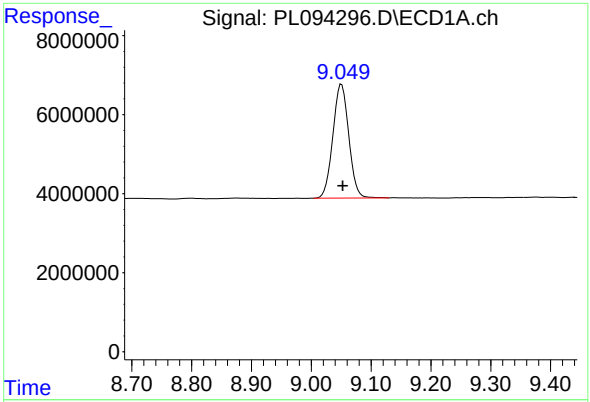
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.



#27 Chlordane-5

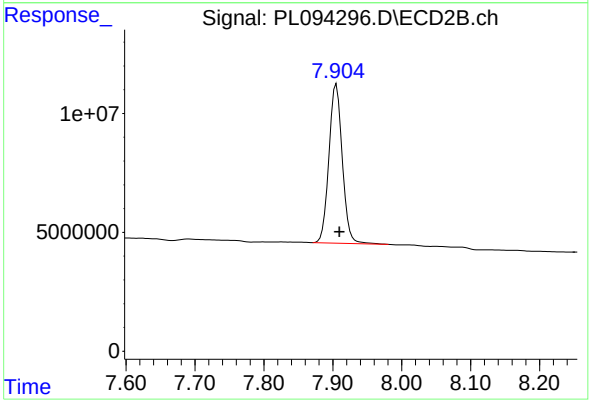
R.T.: 5.923 min
Delta R.T.: -0.012 min
Response: 1586862
Conc: 10.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.002 min
Response: 53176040
Conc: 25.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-14-021725



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 89838048
Conc: 25.64 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094297.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 11:11
Operator : AR\AJ
Sample : Q1383-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-15-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:35:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.772	107.8E6	79838634	40.020	24.459	#
28)	SA Decachlor...	9.051	7.905	47628445	85468163	22.768	24.391	
	Target Compounds							
2)	A alpha-BHC	0.000	3.264	0	832609	N.D.	0.170	#
3)	MA gamma-BHC...	0.000	3.621	0	208773	N.D.	0.044	#
4)	MA Heptachlor	0.000	3.962f	0	411062	N.D.	0.088	#
5)	MB Aldrin	0.000	4.239	0	1236343	N.D.	0.271	#
6)	B beta-BHC	0.000	3.920	0	74434	N.D.	0.037	#
7)	B delta-BHC	0.000	4.126	0	579466	N.D.	0.122	#
8)	B Heptachlo...	5.675	4.724	4242262	419206	1.427	0.100	#
10)	B gamma-Chl...	5.958f	5.002f	2067606	4499993	0.742	1.062	#
11)	B alpha-Chl...	0.000	5.054	0	1351629	N.D.	0.323	#
12)	B 4,4'-DDE	6.186	0.000	3393801	0	1.394	N.D.	#
13)	MA Dieldrin	0.000	5.359	0	11367179	N.D.	2.646	#
14)	MA Endrin	6.570	5.639	5121113	-6262841	2.184	N.D.	#
15)	B Endosulfa...	0.000	5.916	0	7331924	N.D.	1.980	#
16)	A 4,4'-DDD	6.716	5.805f	4326483	-324685	2.276	N.D.	#
17)	MA 4,4'-DDT	6.994f	6.025	6252659	13665418	3.171	4.200	#
18)	B Endrin al...	0.000	6.121	0	626963	N.D.	0.206	#
19)	B Endosulfa...	0.000	6.321	0	4458408	N.D.	1.250	#
20)	A Methoxychlor	0.000	6.580f	0	576001	N.D.	0.322	#
21)	B Endrin ke...	7.662f	6.812f	2345027	402779	0.930	0.096	#
22)	Mirex	0.000	7.007	0	10083029	N.D.	2.981	#
23)	Chlordane-1	0.000	3.760	0	387474	N.D.	3.105	#
24)	Chlordane-2	0.000	4.351	0	1671676	N.D.	11.394	#
25)	Chlordane-3	5.958f	5.002f	2067606	4499993	5.271	10.349	#
26)	Chlordane-4	0.000	5.054	0	1351629	N.D.	3.190	#
27)	Chlordane-5	0.000	5.916f	0	7331924	N.D.	47.870	#

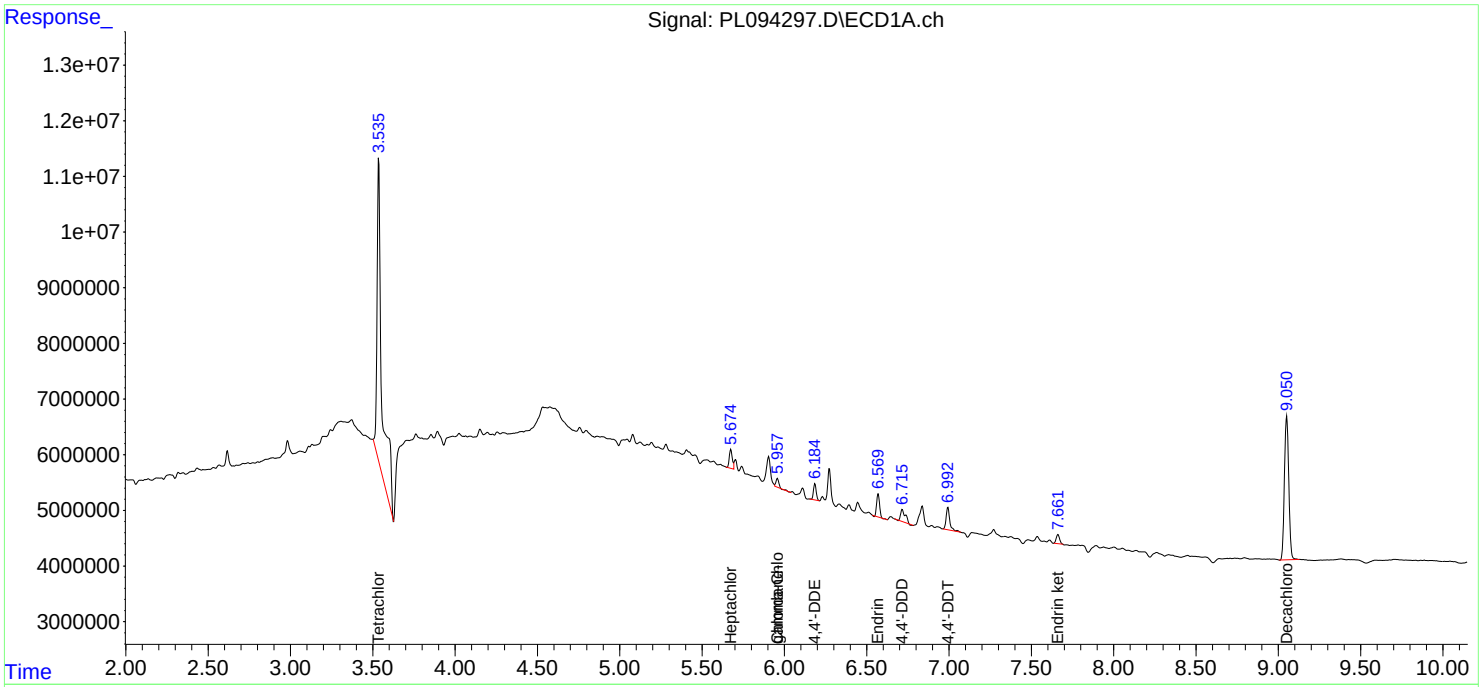
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

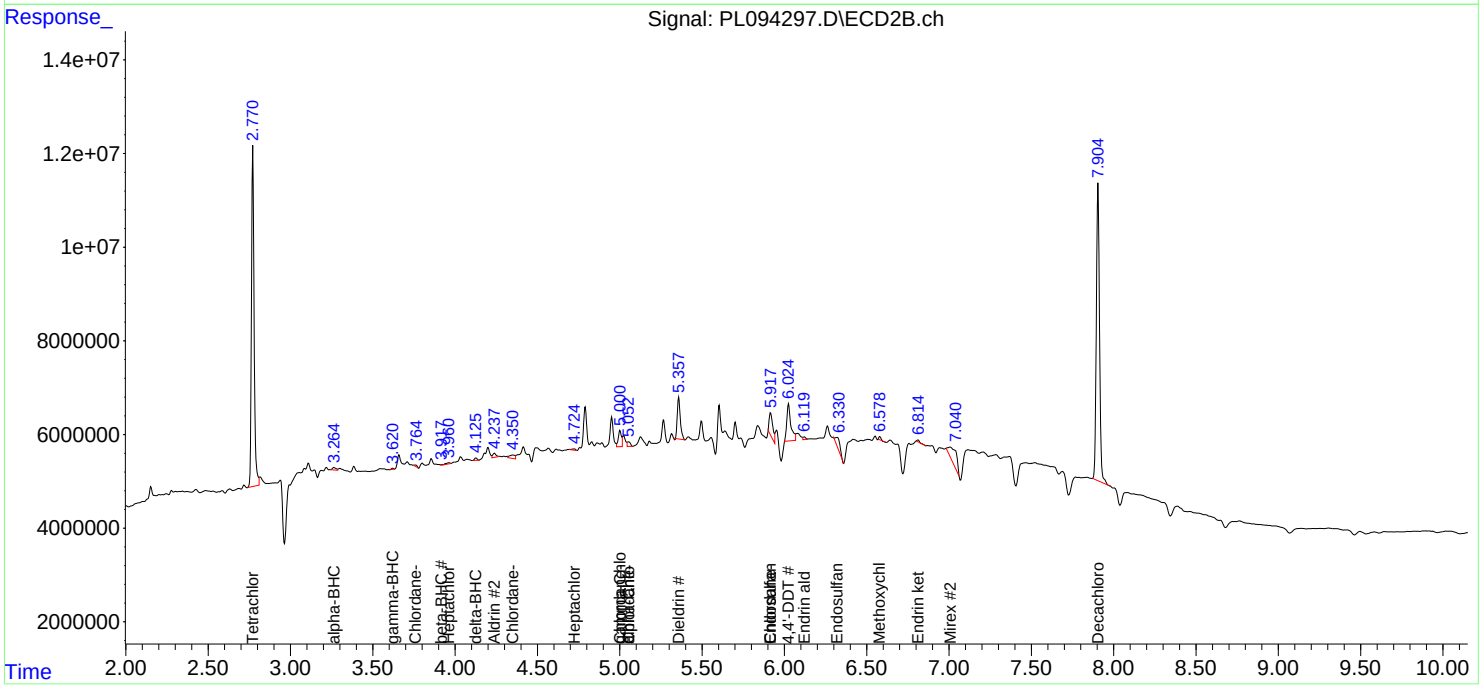
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094297.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 11:11
Operator : AR\AJ
Sample : Q1383-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

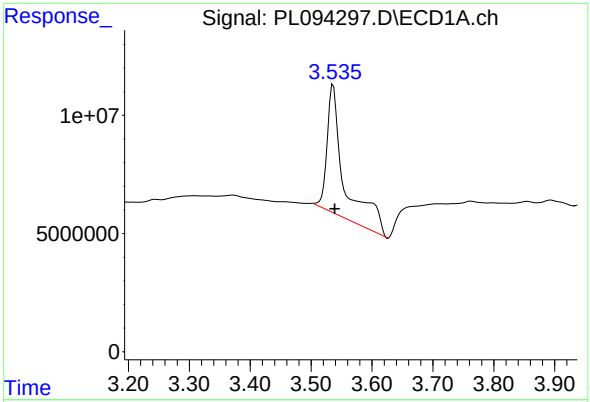
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-15-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:35:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



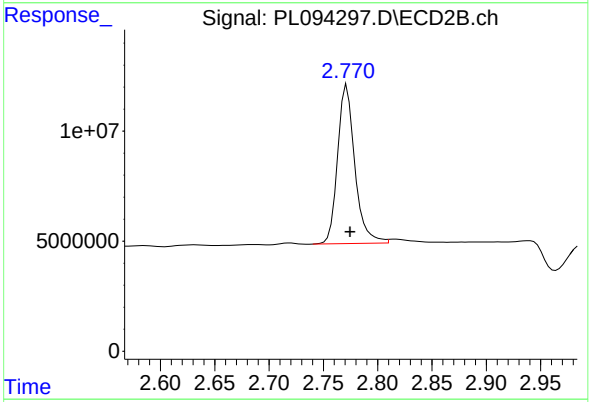




#1 Tetrachloro-m-xylene

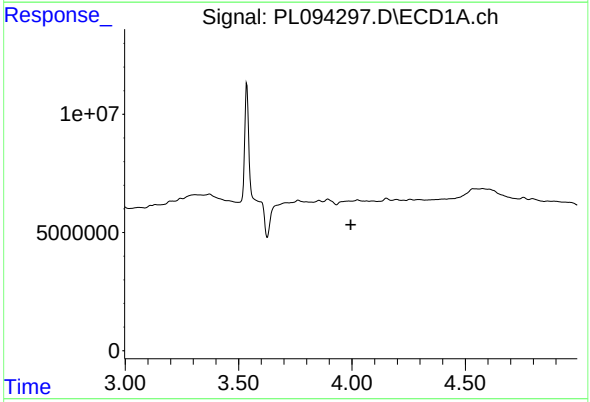
R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 107763829
Conc: 40.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-15-021725



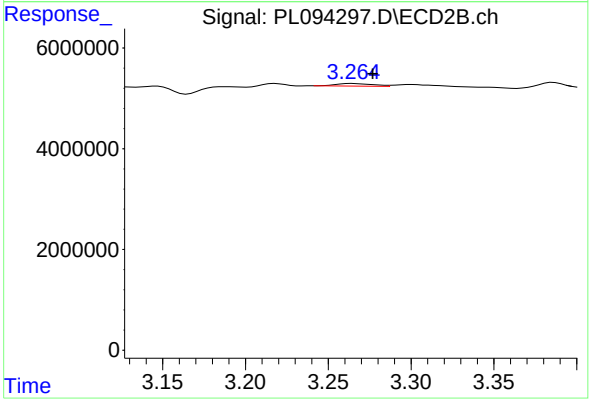
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 79838634
Conc: 24.46 ng/ml



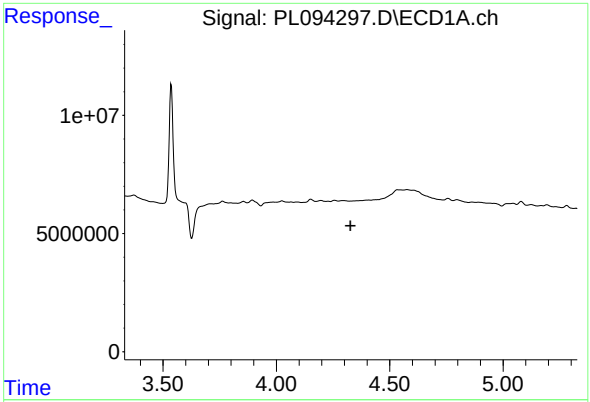
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.995 min
Response: 0
Conc: N.D.



#2 alpha-BHC

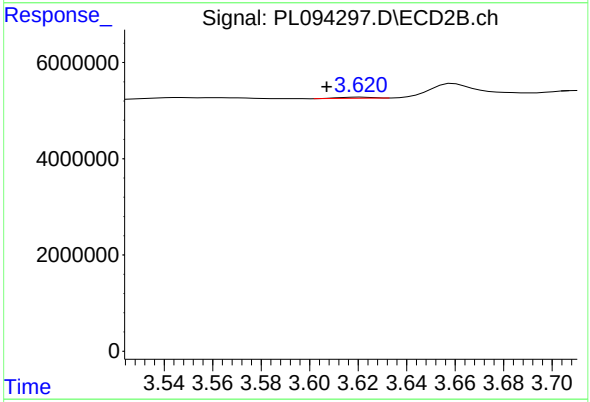
R.T.: 3.264 min
Delta R.T.: -0.013 min
Response: 832609
Conc: 0.17 ng/ml



#3 gamma-BHC (Lindane)

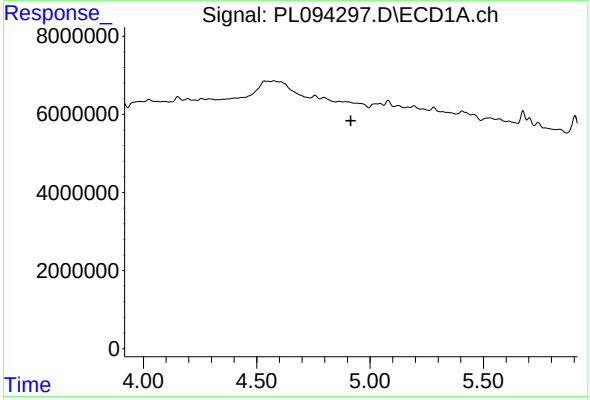
R.T.: 0.000 min
Exp R.T. : 4.327 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-15-021725



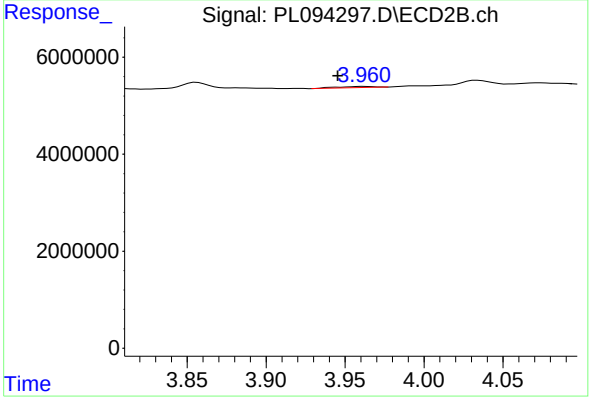
#3 gamma-BHC (Lindane)

R.T.: 3.621 min
Delta R.T.: 0.014 min
Response: 208773
Conc: 0.04 ng/ml



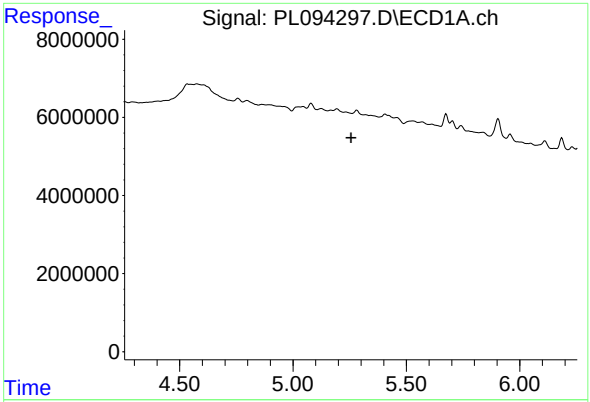
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.914 min
Response: 0
Conc: N.D.



#4 Heptachlor

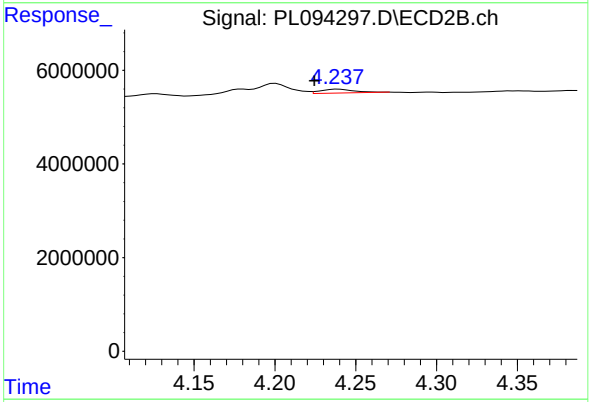
R.T.: 3.962 min
Delta R.T.: 0.017 min
Response: 411062
Conc: 0.09 ng/ml



#5 Aldrin

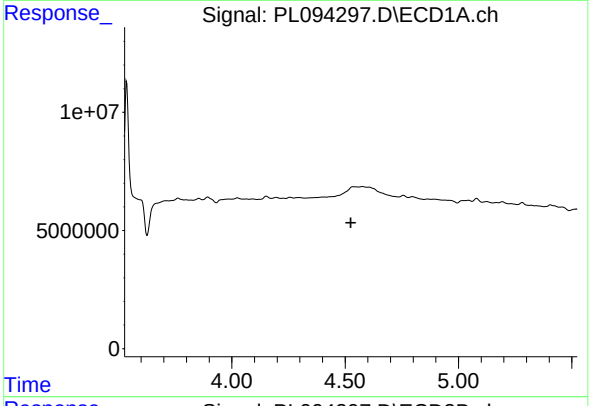
R.T.: 0.000 min
Exp R.T. : 5.256 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-15-021725



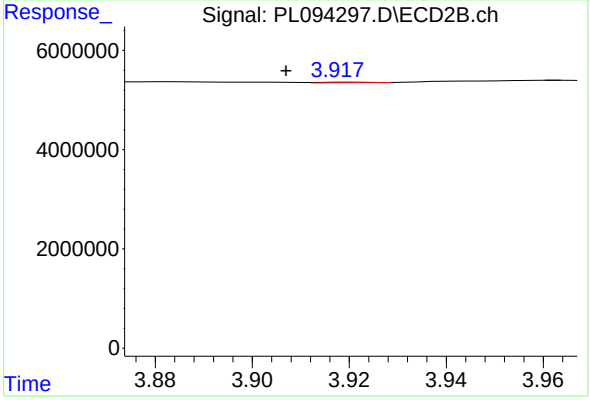
#5 Aldrin

R.T.: 4.239 min
Delta R.T.: 0.015 min
Response: 1236343
Conc: 0.27 ng/ml



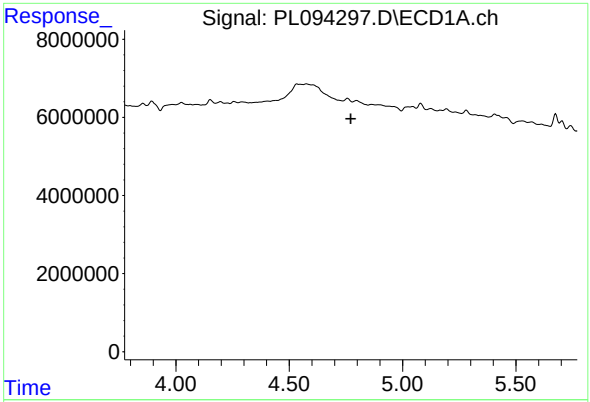
#6 beta-BHC

R.T.: 0.000 min
Exp R.T. : 4.525 min
Response: 0
Conc: N.D.



#6 beta-BHC

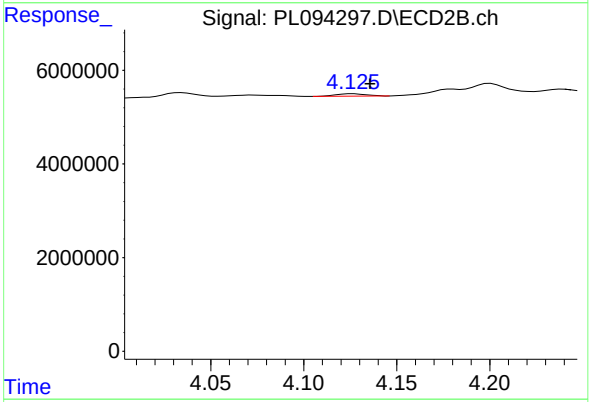
R.T.: 3.920 min
Delta R.T.: 0.013 min
Response: 74434
Conc: 0.04 ng/ml



#7 delta-BHC

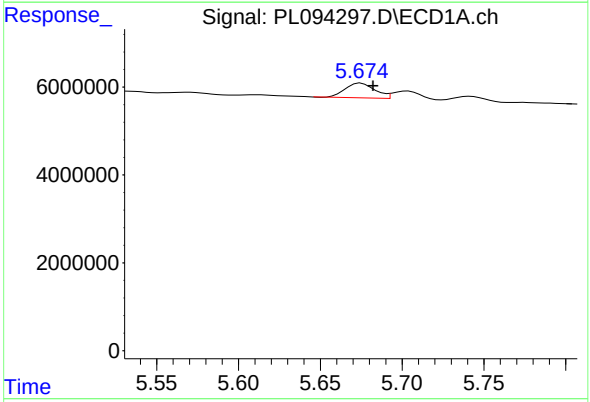
R.T.: 0.000 min
Exp R.T. : 4.772 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-15-021725



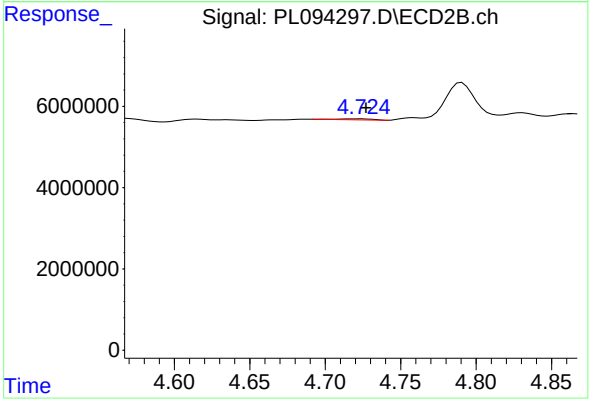
#7 delta-BHC

R.T.: 4.126 min
Delta R.T.: -0.009 min
Response: 579466
Conc: 0.12 ng/ml



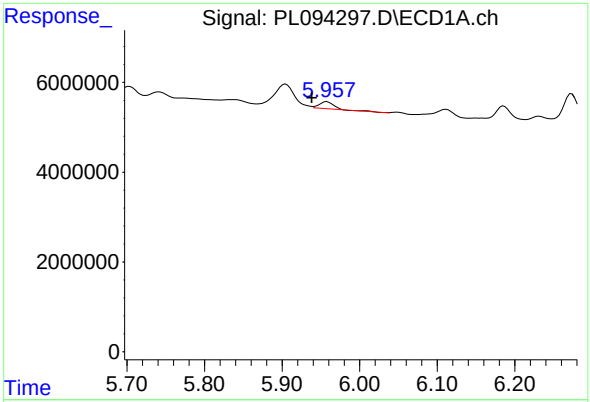
#8 Heptachlor epoxide

R.T.: 5.675 min
Delta R.T.: -0.007 min
Response: 4242262
Conc: 1.43 ng/ml



#8 Heptachlor epoxide

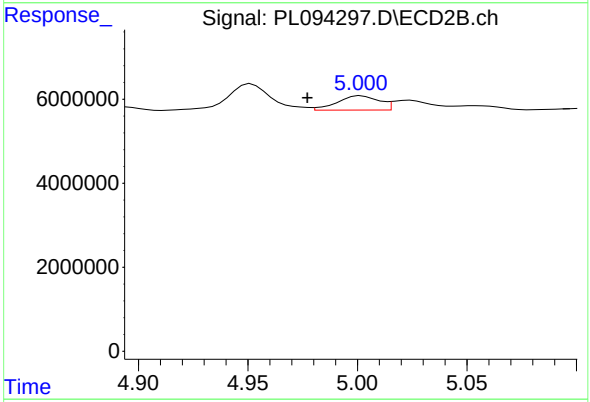
R.T.: 4.724 min
Delta R.T.: -0.003 min
Response: 419206
Conc: 0.10 ng/ml



#10 gamma-Chlordane

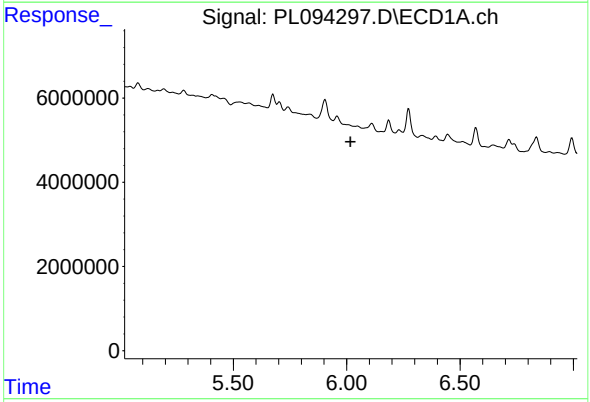
R.T.: 5.958 min
Delta R.T.: 0.020 min
Response: 2067606
Conc: 0.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-15-021725



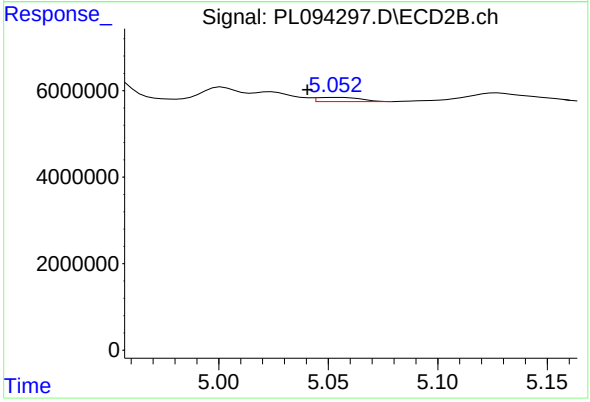
#10 gamma-Chlordane

R.T.: 5.002 min
Delta R.T.: 0.025 min
Response: 4499993
Conc: 1.06 ng/ml



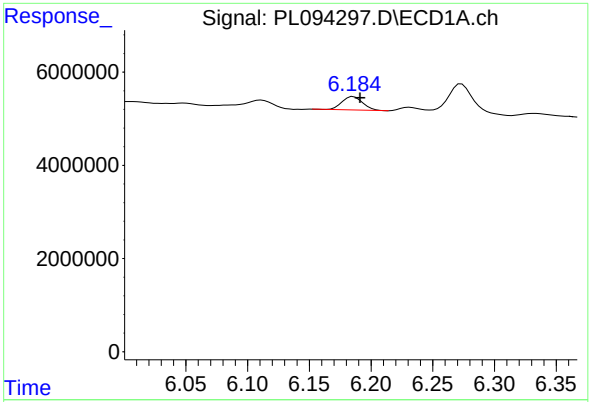
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T. : 6.017 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

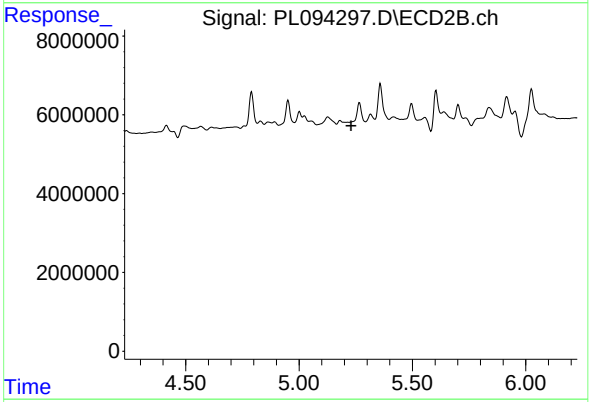
R.T.: 5.054 min
Delta R.T.: 0.013 min
Response: 1351629
Conc: 0.32 ng/ml



#12 4,4'-DDE

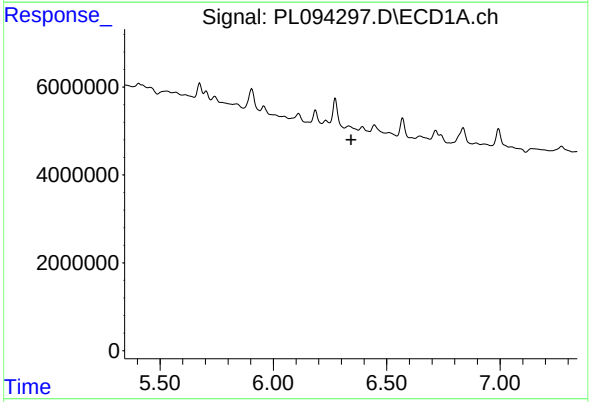
R.T.: 6.186 min
Delta R.T.: -0.005 min
Response: 3393801
Conc: 1.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-15-021725



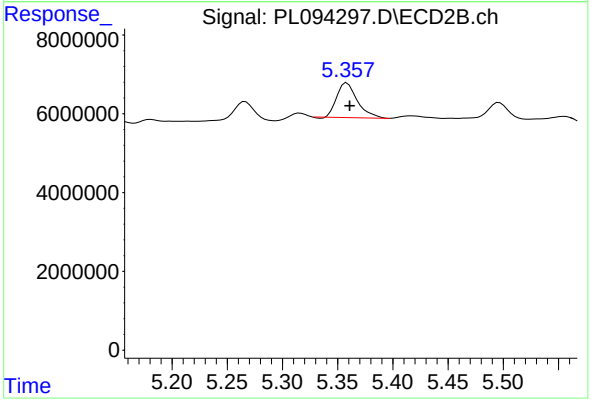
#12 4,4'-DDE

R.T.: 0.000 min
Exp R.T. : 5.230 min
Response: 0
Conc: N.D.



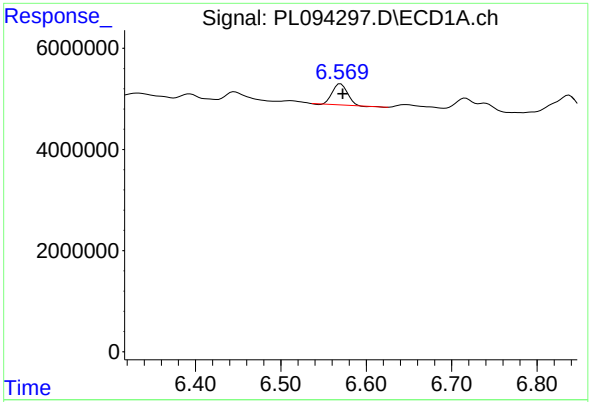
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.343 min
Response: 0
Conc: N.D.



#13 Dieldrin

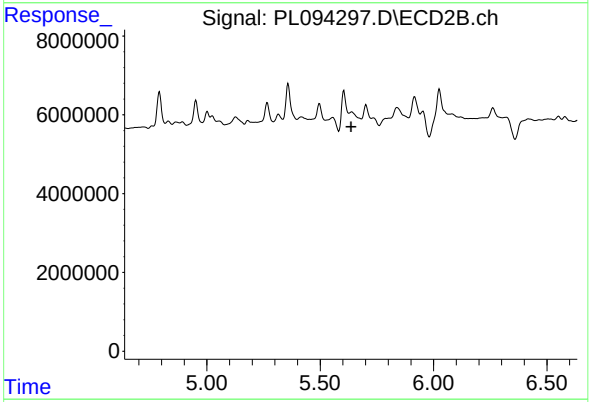
R.T.: 5.359 min
Delta R.T.: -0.002 min
Response: 11367179
Conc: 2.65 ng/ml



#14 Endrin

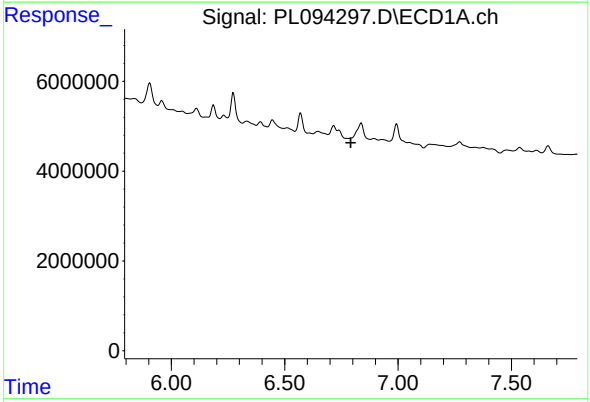
R.T.: 6.570 min
Delta R.T.: -0.002 min
Response: 5121113
Conc: 2.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-15-021725



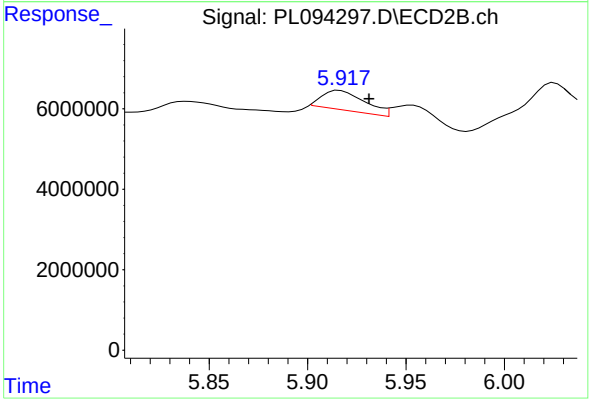
#14 Endrin

R.T.: 5.639 min
Delta R.T.: 0.003 min
Response: -6262841
Conc: N.D.



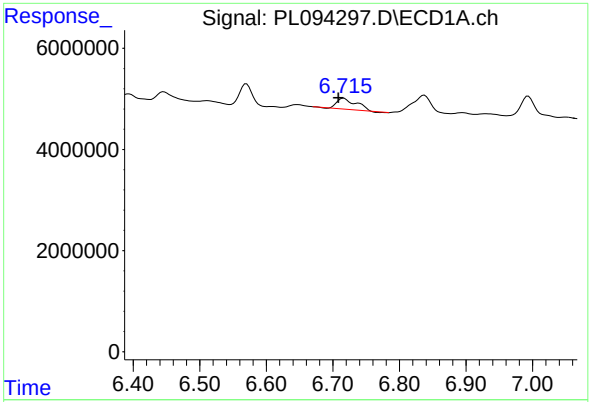
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.792 min
Response: 0
Conc: N.D.



#15 Endosulfan II

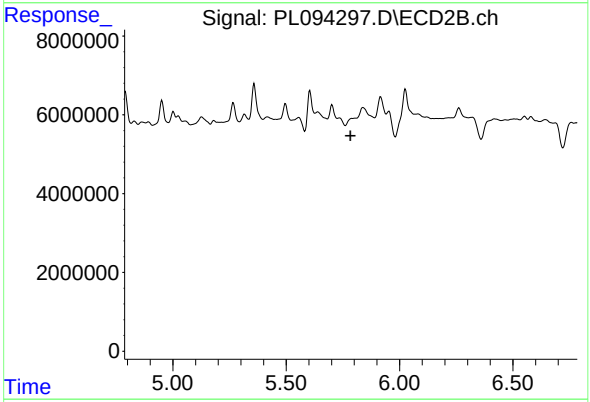
R.T.: 5.916 min
Delta R.T.: -0.015 min
Response: 7331924
Conc: 1.98 ng/ml



#16 4,4'-DDD

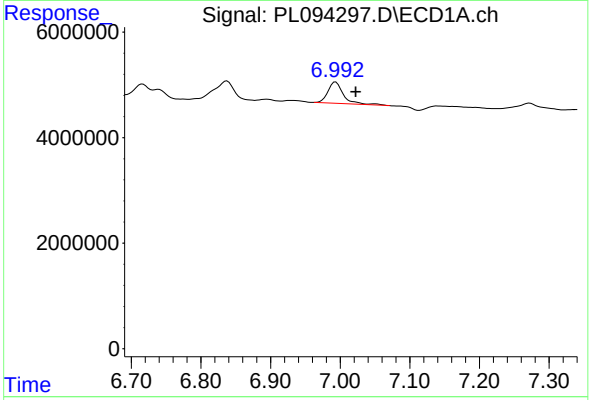
R.T.: 6.716 min
Delta R.T.: 0.008 min
Response: 4326483
Conc: 2.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-15-021725



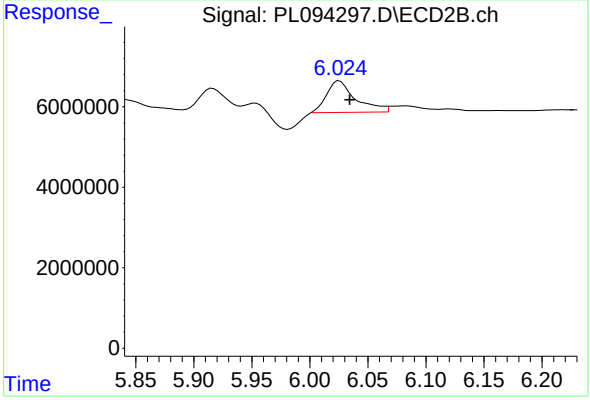
#16 4,4'-DDD

R.T.: 5.805 min
Delta R.T.: 0.021 min
Response: -324685
Conc: N.D.



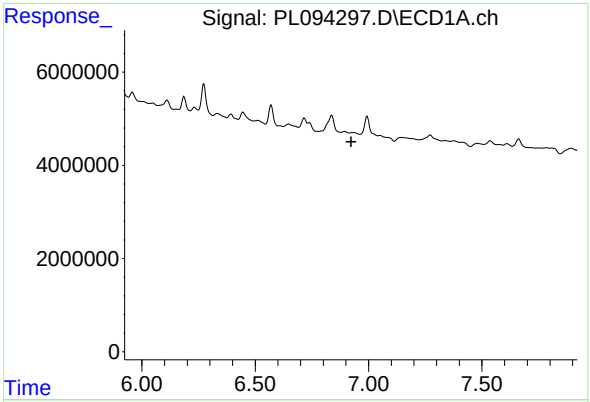
#17 4,4'-DDT

R.T.: 6.994 min
Delta R.T.: -0.029 min
Response: 6252659
Conc: 3.17 ng/ml



#17 4,4'-DDT

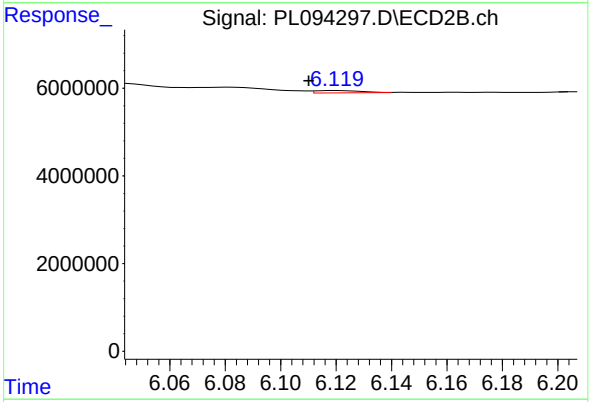
R.T.: 6.025 min
Delta R.T.: -0.009 min
Response: 13665418
Conc: 4.20 ng/ml



#18 Endrin aldehyde

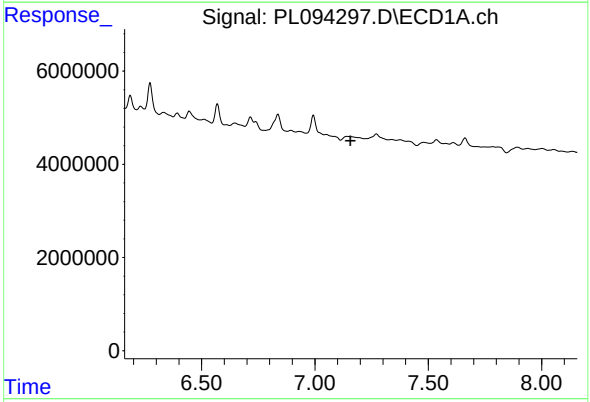
R.T.: 0.000 min
Exp R.T. : 6.923 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-15-021725



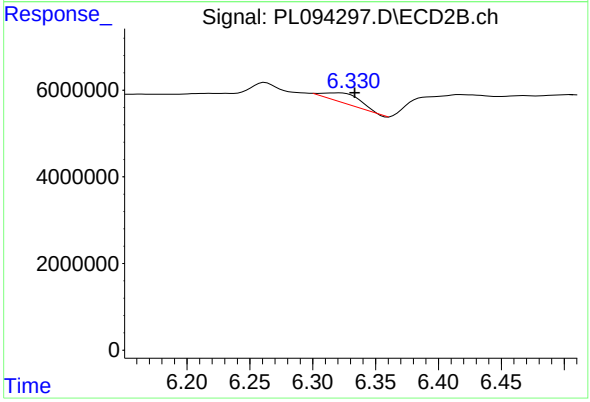
#18 Endrin aldehyde

R.T.: 6.121 min
Delta R.T.: 0.011 min
Response: 626963
Conc: 0.21 ng/ml



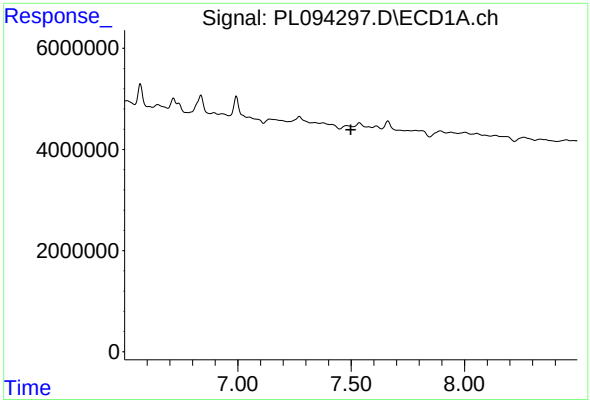
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T. : 7.157 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

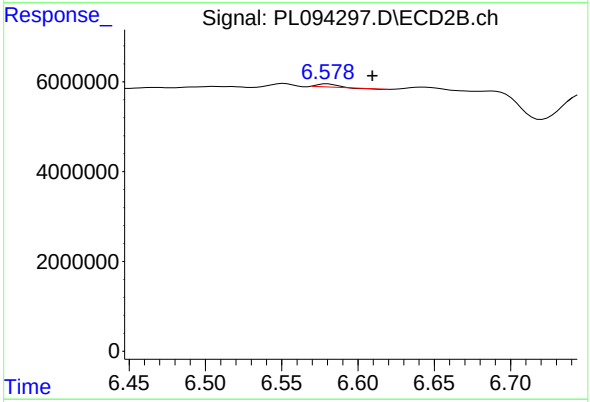
R.T.: 6.321 min
Delta R.T.: -0.012 min
Response: 4458408
Conc: 1.25 ng/ml



#20 Methoxychlor

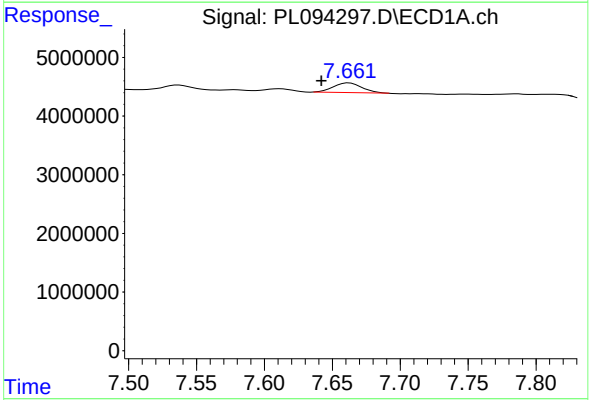
R.T.: 0.000 min
Exp R.T. : 7.498 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-15-021725



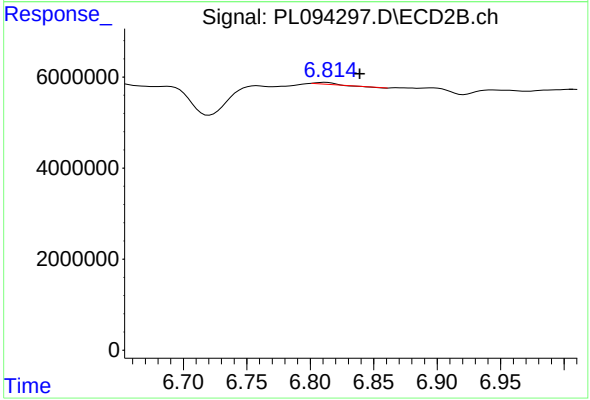
#20 Methoxychlor

R.T.: 6.580 min
Delta R.T.: -0.030 min
Response: 576001
Conc: 0.32 ng/ml



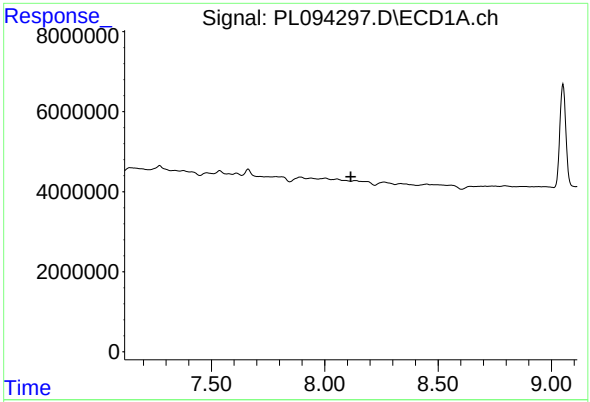
#21 Endrin ketone

R.T.: 7.662 min
Delta R.T.: 0.020 min
Response: 2345027
Conc: 0.93 ng/ml



#21 Endrin ketone

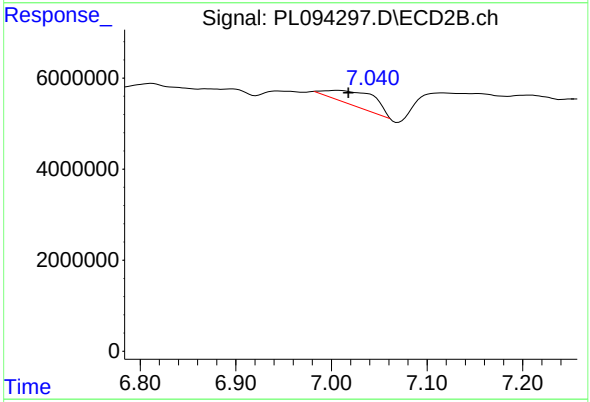
R.T.: 6.812 min
Delta R.T.: -0.027 min
Response: 402779
Conc: 0.10 ng/ml



#22 Mirex

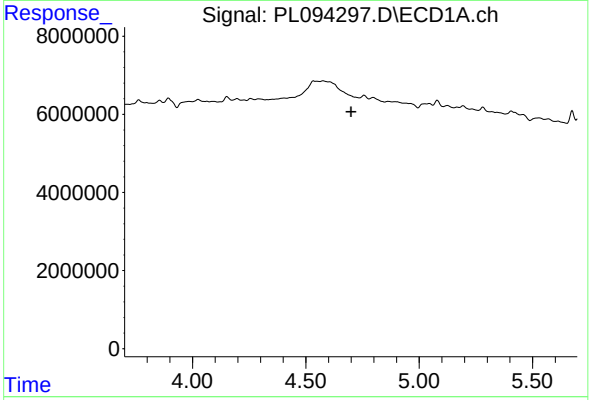
R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-15-021725



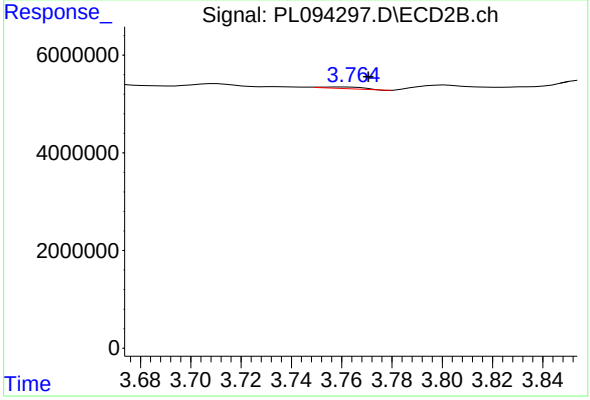
#22 Mirex

R.T.: 7.007 min
Delta R.T.: -0.010 min
Response: 10083029
Conc: 2.98 ng/ml



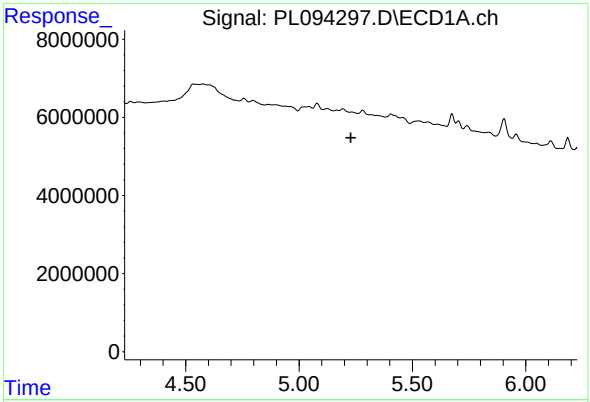
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.700 min
Response: 0
Conc: N.D.



#23 Chlordane-1

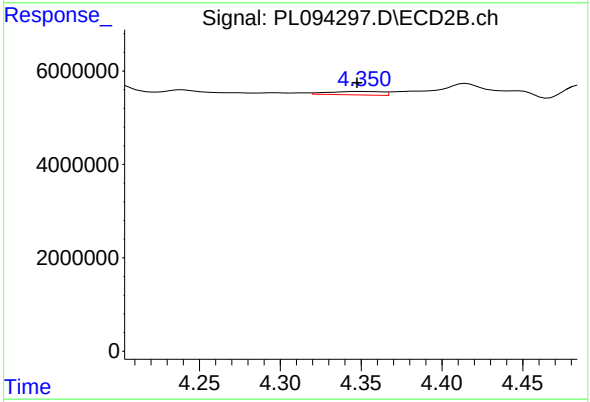
R.T.: 3.760 min
Delta R.T.: -0.011 min
Response: 387474
Conc: 3.10 ng/ml



#24 Chlordane-2

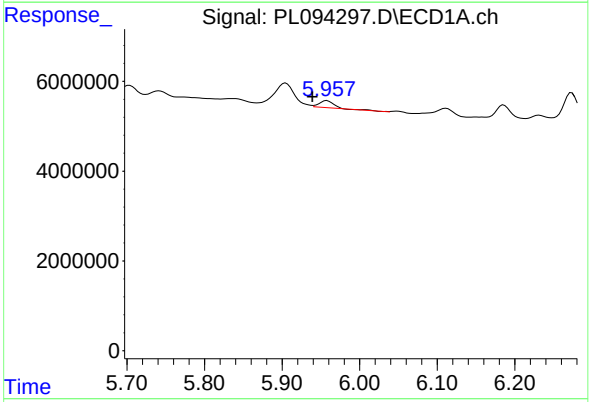
R.T.: 0.000 min
Exp R.T. : 5.229 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-15-021725



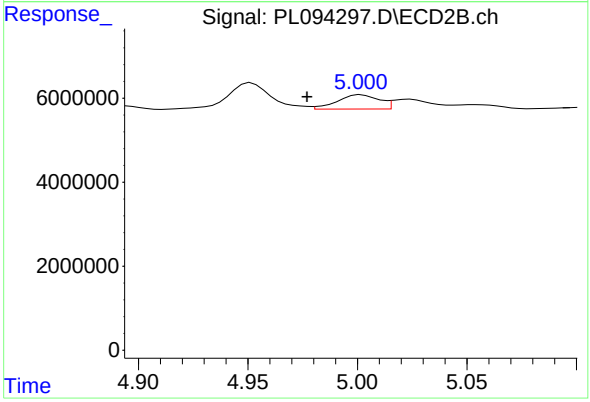
#24 Chlordane-2

R.T.: 4.351 min
Delta R.T.: 0.004 min
Response: 1671676
Conc: 11.39 ng/ml



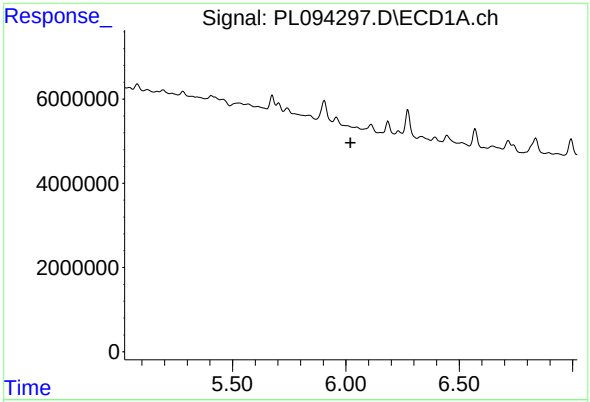
#25 Chlordane-3

R.T.: 5.958 min
Delta R.T.: 0.019 min
Response: 2067606
Conc: 5.27 ng/ml



#25 Chlordane-3

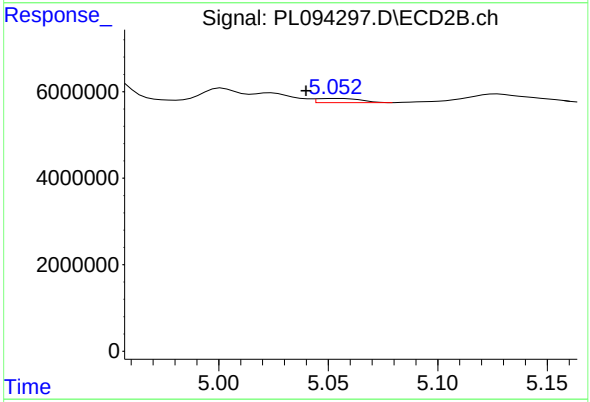
R.T.: 5.002 min
Delta R.T.: 0.025 min
Response: 4499993
Conc: 10.35 ng/ml



#26 Chlordane-4

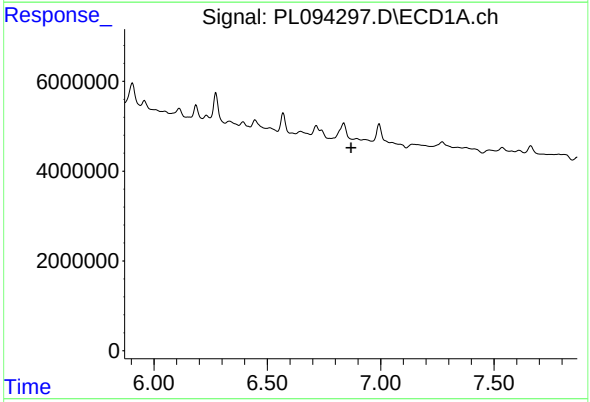
R.T.: 0.000 min
Exp R.T. : 6.021 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-15-021725



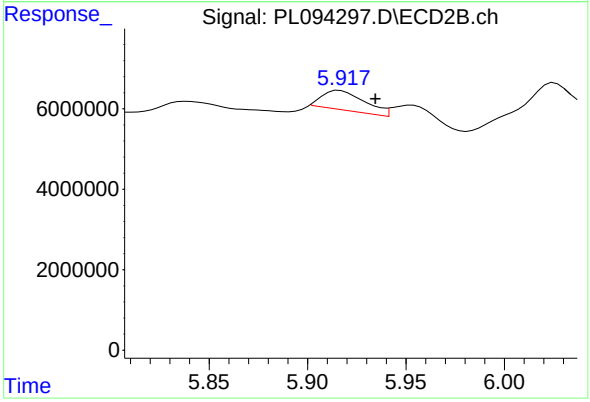
#26 Chlordane-4

R.T.: 5.054 min
Delta R.T.: 0.014 min
Response: 1351629
Conc: 3.19 ng/ml



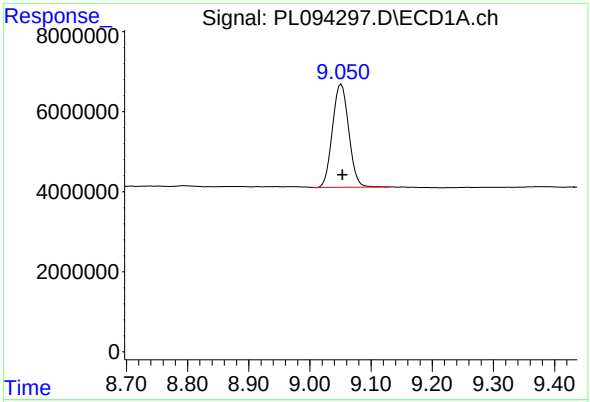
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.



#27 Chlordane-5

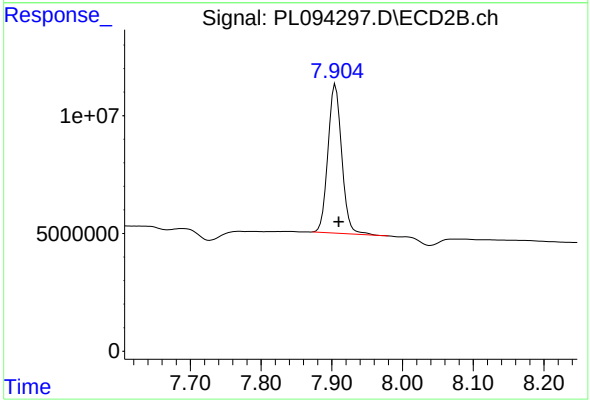
R.T.: 5.916 min
Delta R.T.: -0.018 min
Response: 7331924
Conc: 47.87 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.002 min
Response: 47628445
Conc: 22.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-15-021725



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 85468163
Conc: 24.39 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094298.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 11:24
Operator : AR\AJ
Sample : Q1383-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-16-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:35:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.772	114.4E6	85217714	42.482	26.107	#
28)	SA Decachlor...	9.051	7.906	52400715	90638245	25.049	25.867	
	Target Compounds							
2)	A alpha-BHC	0.000	3.265	0	396327	N.D.	0.081	#
4)	MA Heptachlor	0.000	3.968f	0	164655	N.D.	0.035	#
5)	MB Aldrin	0.000	4.250f	0	206108	N.D.	0.045	#
6)	B beta-BHC	4.534	3.910	1490117	108776	0.927	0.054	#
7)	B delta-BHC	0.000	4.129	0	145880	N.D.	0.031	#
10)	B gamma-Chl...	0.000	4.975	0	940295	N.D.	0.222	#
11)	B alpha-Chl...	0.000	5.025f	0	868890	N.D.	0.208	#
12)	B 4,4'-DDE	0.000	5.253f	0	1287464	N.D.	0.321	#
13)	MA Dieldrin	0.000	5.360	0	1283188	N.D.	0.299	#
14)	MA Endrin	0.000	5.648	0	4670621	N.D.	1.265	#
15)	B Endosulfa...	6.821f	5.926	7115186	4533965	2.953	1.224	#
17)	MA 4,4'-DDT	0.000	6.029	0	2375347	N.D.	0.730	#
21)	B Endrin ke...	7.661f	0.000	3147339	0	1.248	N.D.	#
22)	Mirex	0.000	7.009	0	3532747	N.D.	1.045	#
23)	Chlordane-1	0.000	3.759	0	72582	N.D.	0.582	#
24)	Chlordane-2	0.000	4.352	0	1674387	N.D.	11.412	#
25)	Chlordane-3	0.000	4.975	0	940295	N.D.	2.162	#
26)	Chlordane-4	0.000	5.025	0	868890	N.D.	2.051	#
27)	Chlordane-5	0.000	5.926	0	4533965	N.D.	29.602	#

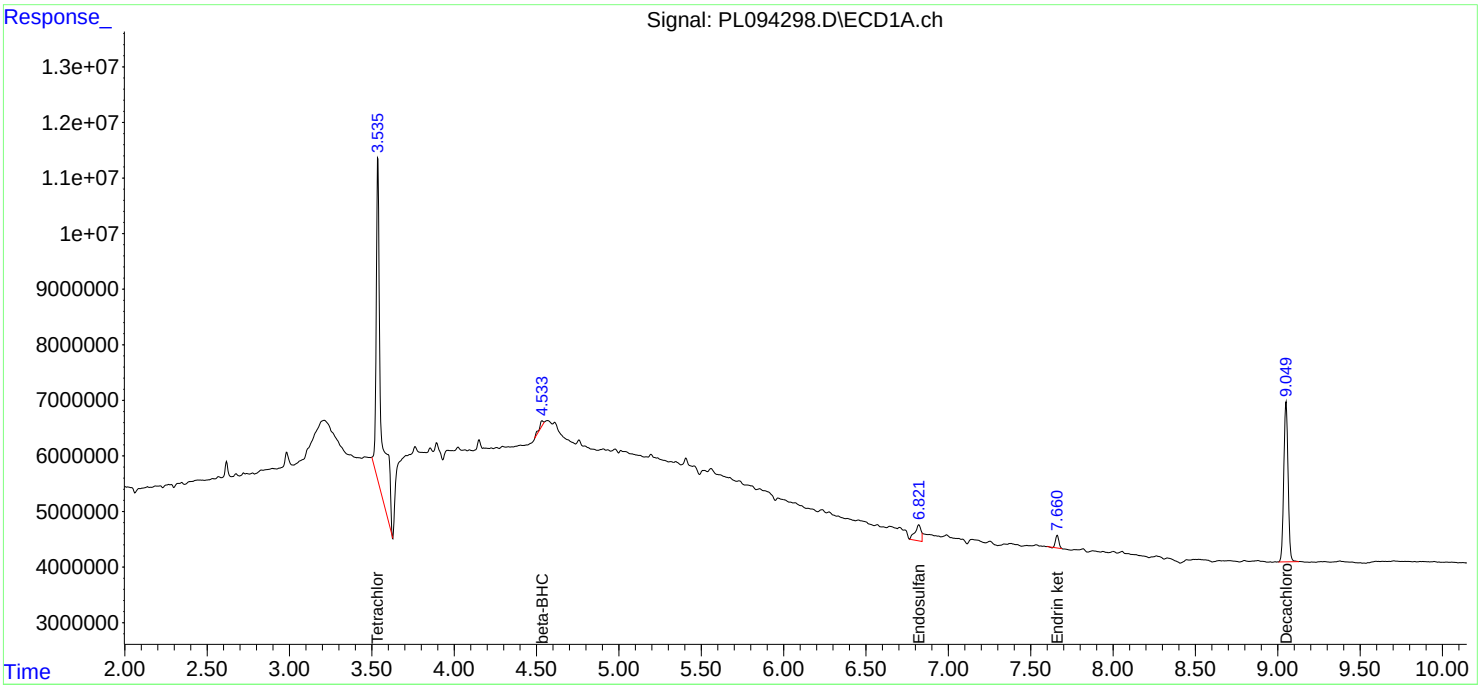
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

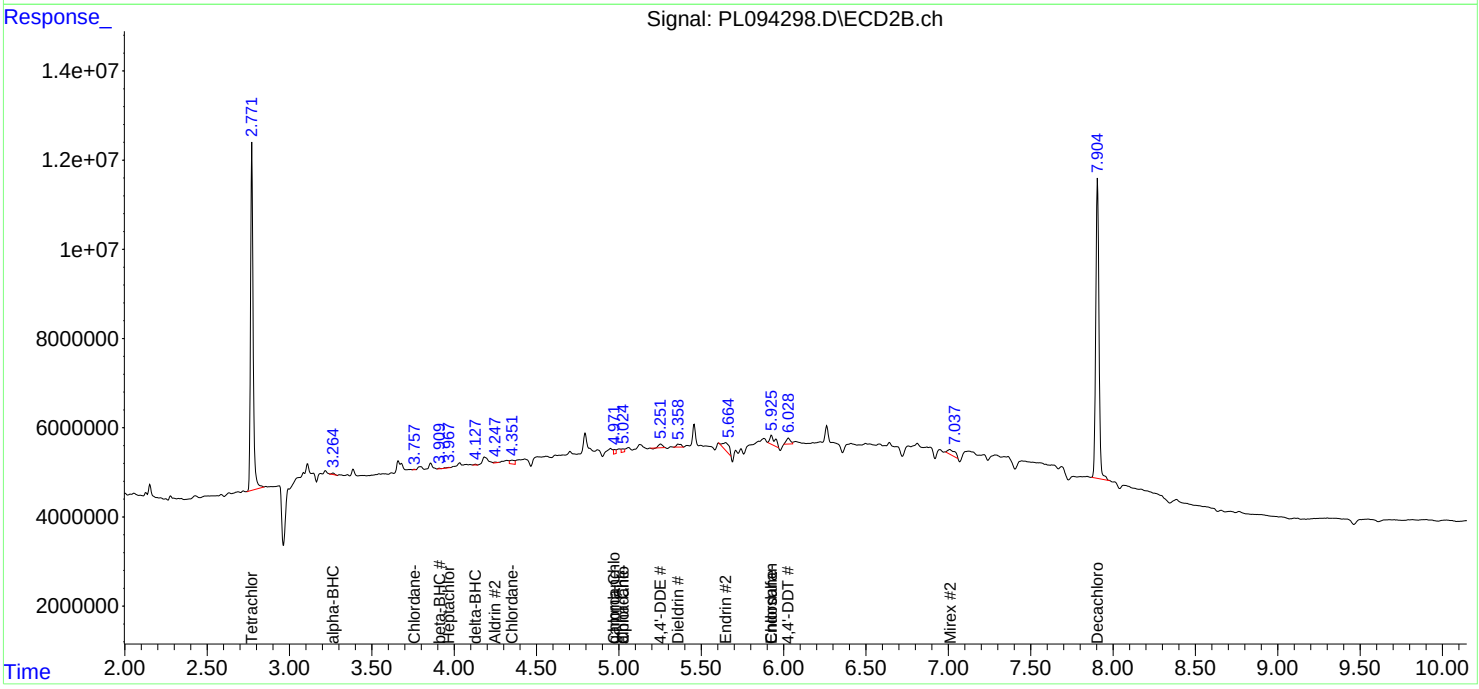
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094298.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 11:24
Operator : AR\AJ
Sample : Q1383-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

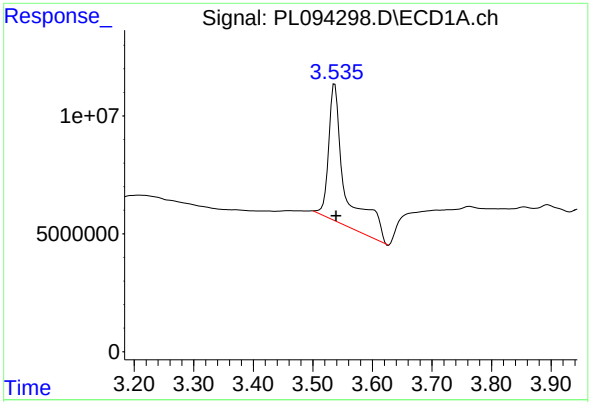
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-16-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:35:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



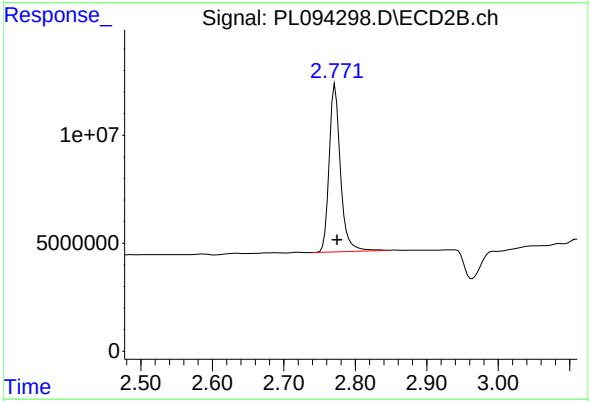




#1 Tetrachloro-m-xylene

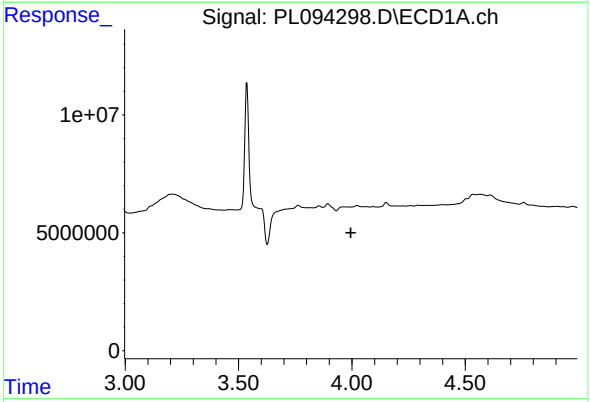
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 114393328
Conc: 42.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-16-021725



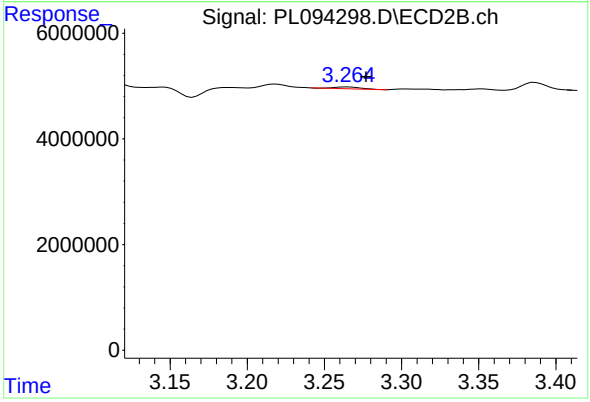
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 85217714
Conc: 26.11 ng/ml



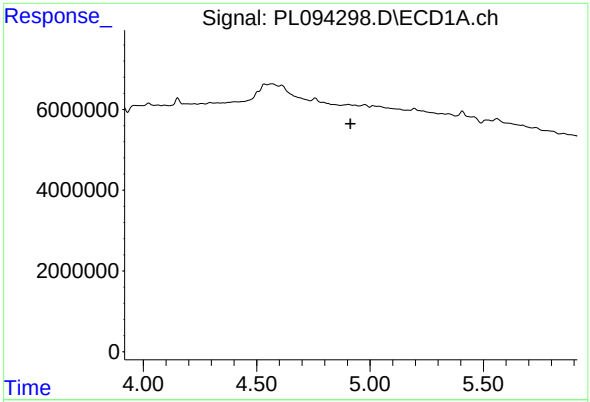
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.995 min
Response: 0
Conc: N.D.



#2 alpha-BHC

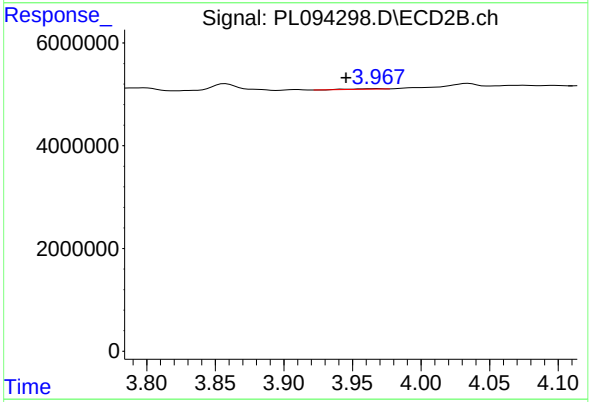
R.T.: 3.265 min
Delta R.T.: -0.012 min
Response: 396327
Conc: 0.08 ng/ml



#4 Heptachlor

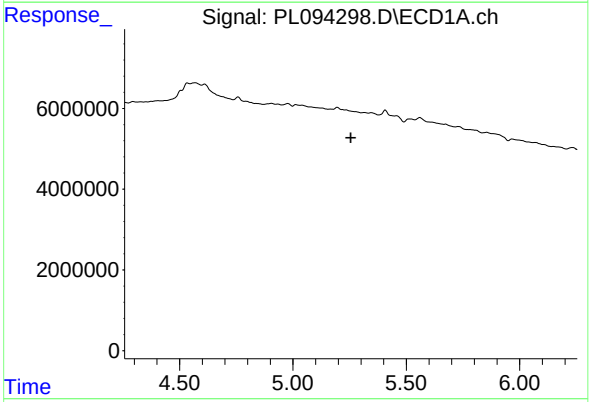
R.T.: 0.000 min
Exp R.T. : 4.914 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-16-021725



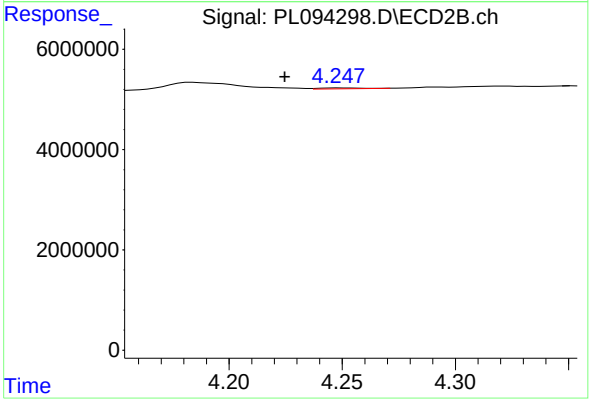
#4 Heptachlor

R.T.: 3.968 min
Delta R.T.: 0.023 min
Response: 164655
Conc: 0.04 ng/ml



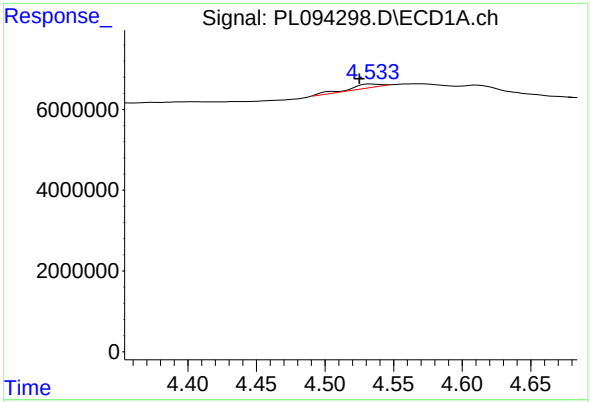
#5 Aldrin

R.T.: 0.000 min
Exp R.T. : 5.256 min
Response: 0
Conc: N.D.



#5 Aldrin

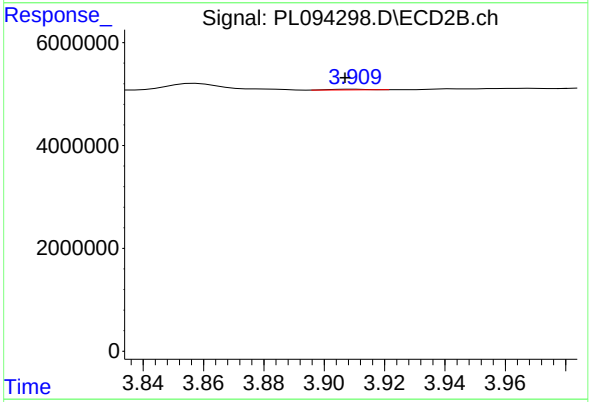
R.T.: 4.250 min
Delta R.T.: 0.025 min
Response: 206108
Conc: 0.05 ng/ml



#6 beta-BHC

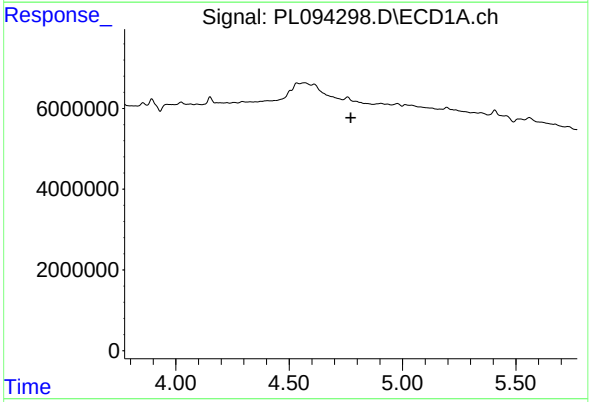
R.T.: 4.534 min
Delta R.T.: 0.009 min
Response: 1490117
Conc: 0.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-16-021725



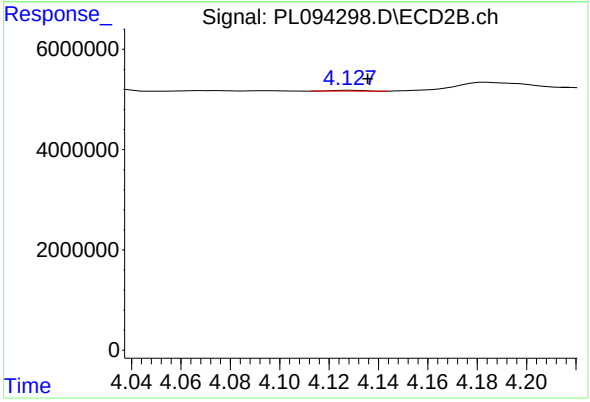
#6 beta-BHC

R.T.: 3.910 min
Delta R.T.: 0.003 min
Response: 108776
Conc: 0.05 ng/ml



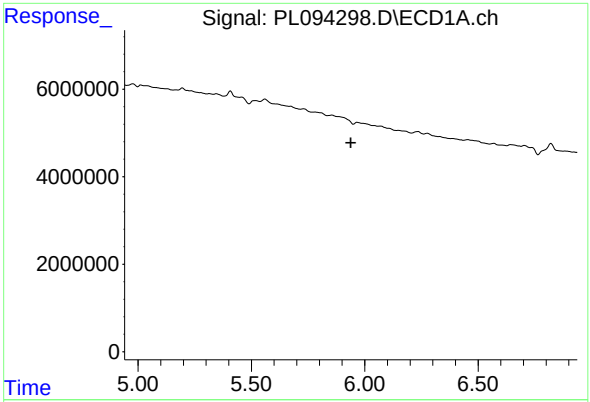
#7 delta-BHC

R.T.: 0.000 min
Exp R.T. : 4.772 min
Response: 0
Conc: N.D.



#7 delta-BHC

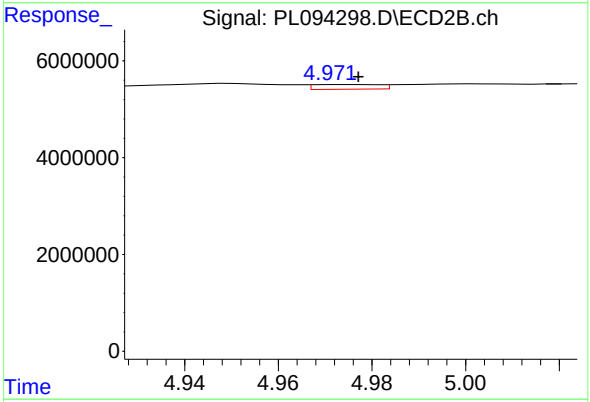
R.T.: 4.129 min
Delta R.T.: -0.007 min
Response: 145880
Conc: 0.03 ng/ml



#10 gamma-Chlordane

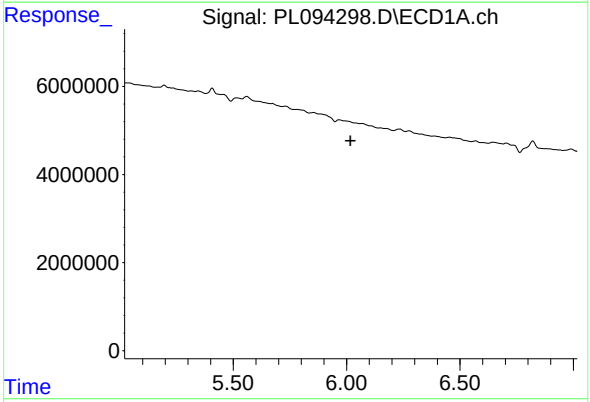
R.T.: 0.000 min
Exp R.T. : 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-16-021725



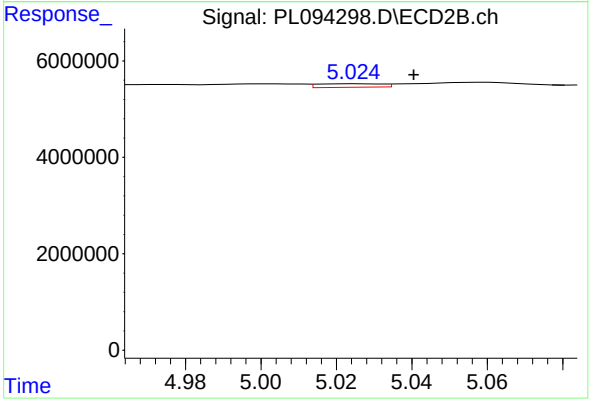
#10 gamma-Chlordane

R.T.: 4.975 min
Delta R.T.: -0.002 min
Response: 940295
Conc: 0.22 ng/ml



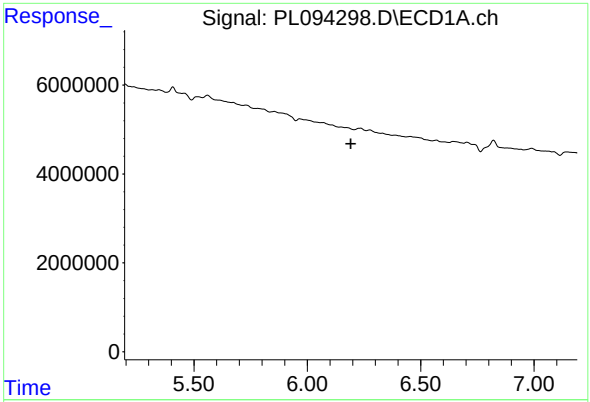
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T. : 6.017 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

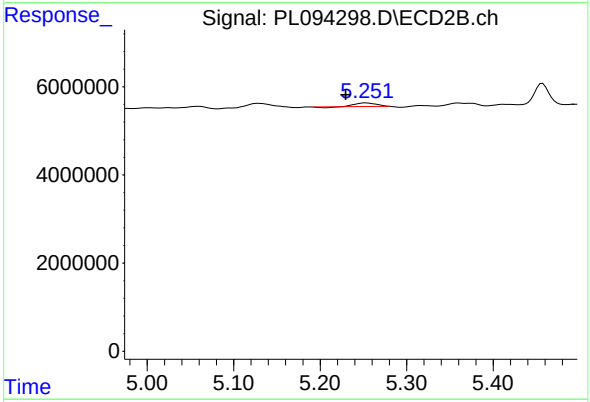
R.T.: 5.025 min
Delta R.T.: -0.015 min
Response: 868890
Conc: 0.21 ng/ml



#12 4,4'-DDE

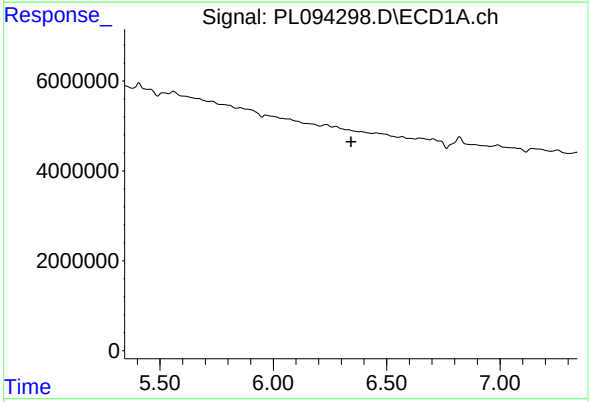
R.T.: 0.000 min
Exp R.T. : 6.191 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-16-021725



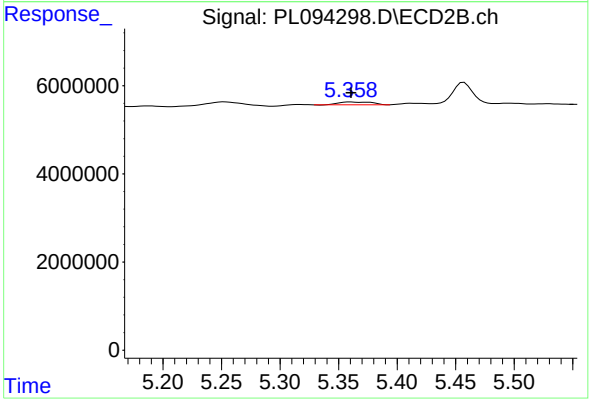
#12 4,4'-DDE

R.T.: 5.253 min
Delta R.T.: 0.023 min
Response: 1287464
Conc: 0.32 ng/ml



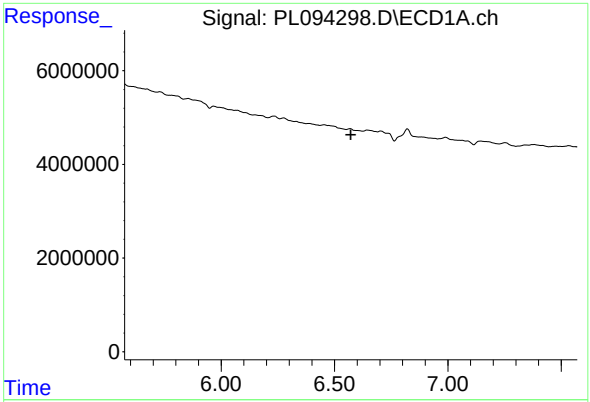
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.343 min
Response: 0
Conc: N.D.



#13 Dieldrin

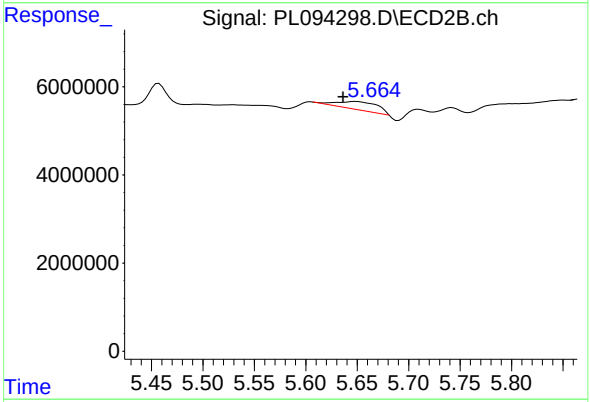
R.T.: 5.360 min
Delta R.T.: 0.000 min
Response: 1283188
Conc: 0.30 ng/ml



#14 Endrin

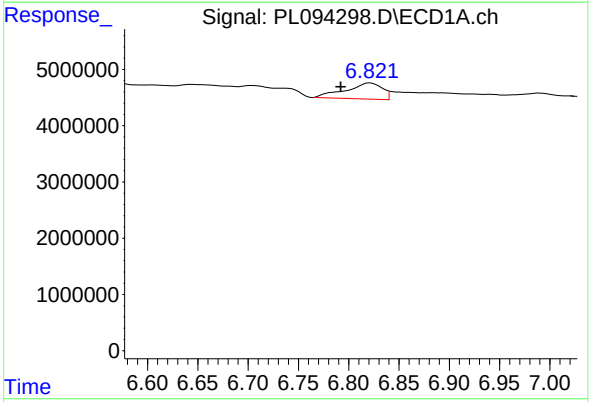
R.T.: 0.000 min
Exp R.T. : 6.572 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-16-021725



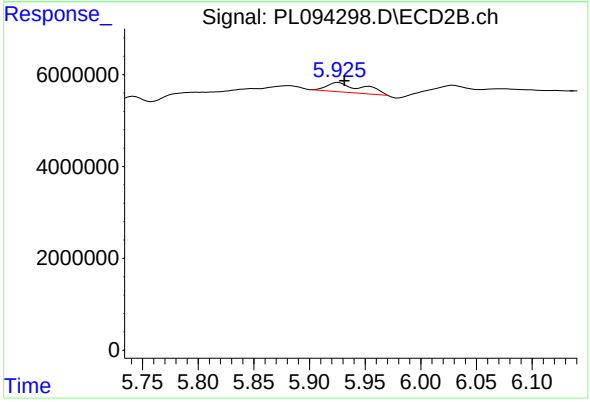
#14 Endrin

R.T.: 5.648 min
Delta R.T.: 0.011 min
Response: 4670621
Conc: 1.26 ng/ml



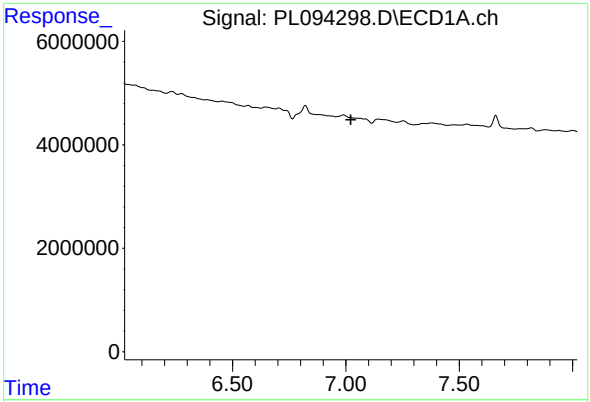
#15 Endosulfan II

R.T.: 6.821 min
Delta R.T.: 0.029 min
Response: 7115186
Conc: 2.95 ng/ml



#15 Endosulfan II

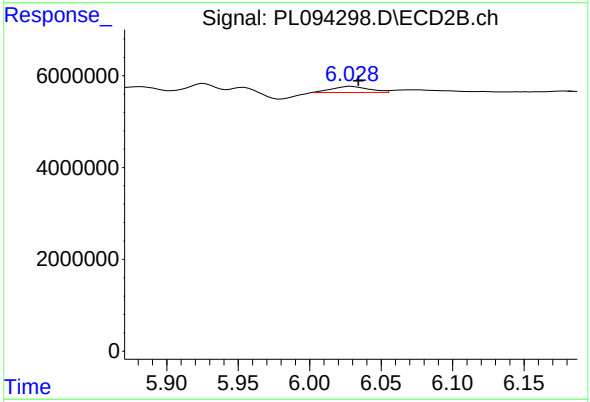
R.T.: 5.926 min
Delta R.T.: -0.005 min
Response: 4533965
Conc: 1.22 ng/ml



#17 4,4'-DDT

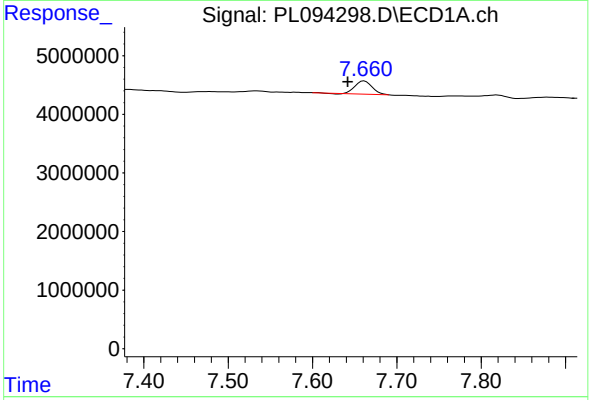
R.T.: 0.000 min
Exp R.T. : 7.022 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-16-021725



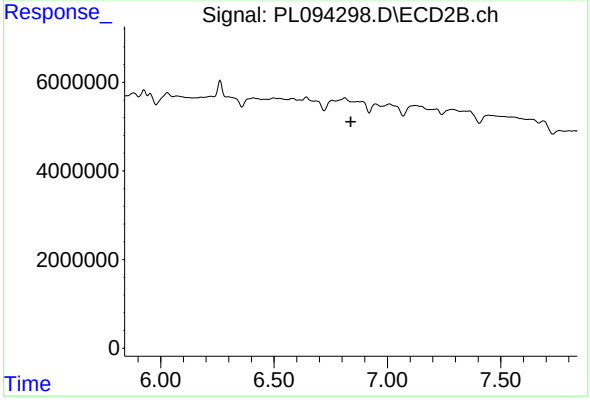
#17 4,4'-DDT

R.T.: 6.029 min
Delta R.T.: -0.005 min
Response: 2375347
Conc: 0.73 ng/ml



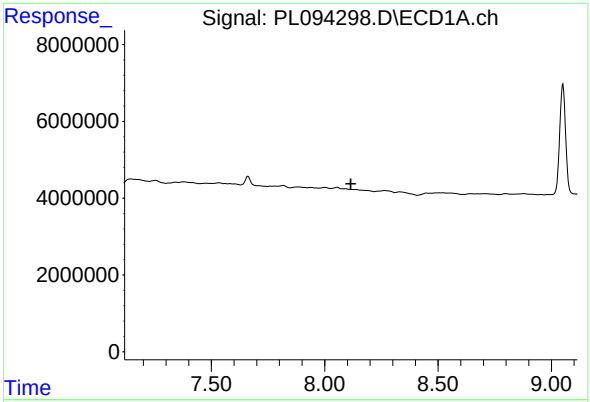
#21 Endrin ketone

R.T.: 7.661 min
Delta R.T.: 0.020 min
Response: 3147339
Conc: 1.25 ng/ml



#21 Endrin ketone

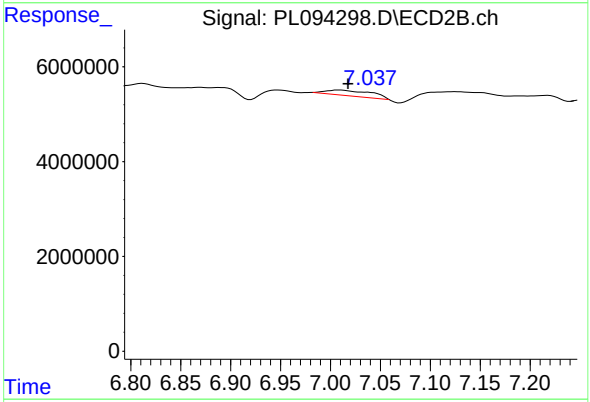
R.T.: 0.000 min
Exp R.T. : 6.839 min
Response: 0
Conc: N.D.



#22 Mirex

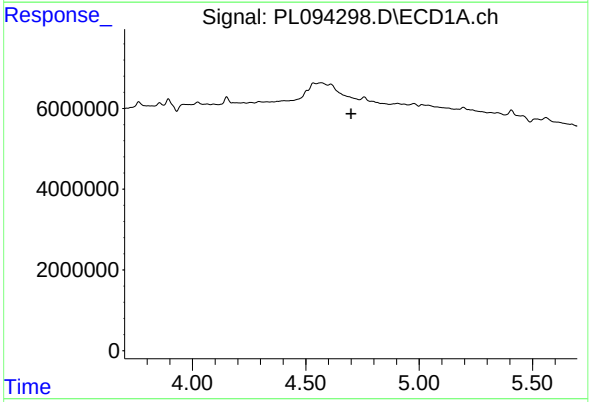
R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-16-021725



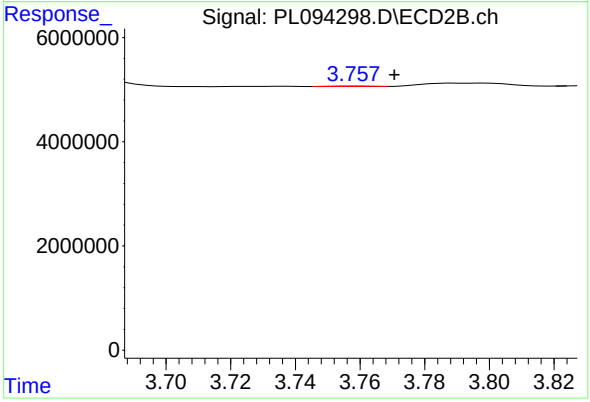
#22 Mirex

R.T.: 7.009 min
Delta R.T.: -0.009 min
Response: 3532747
Conc: 1.04 ng/ml



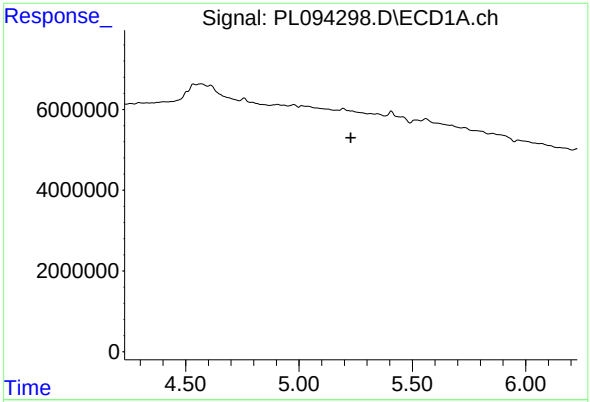
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.700 min
Response: 0
Conc: N.D.



#23 Chlordane-1

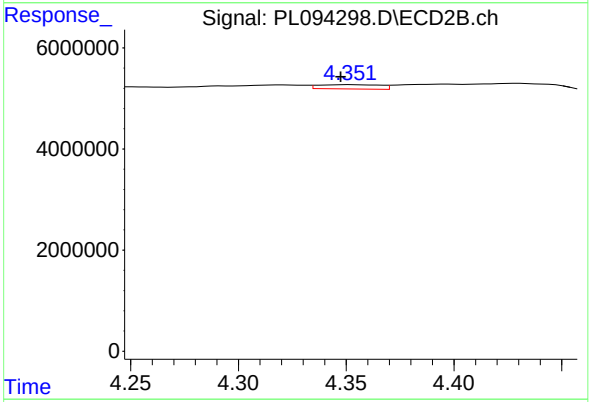
R.T.: 3.759 min
Delta R.T.: -0.012 min
Response: 72582
Conc: 0.58 ng/ml



#24 Chlordane-2

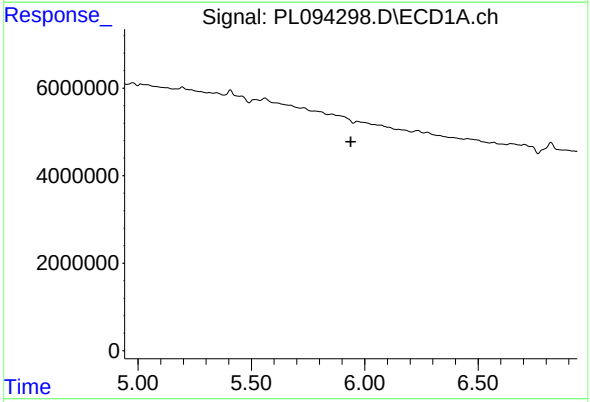
R.T.: 0.000 min
Exp R.T. : 5.229 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-16-021725



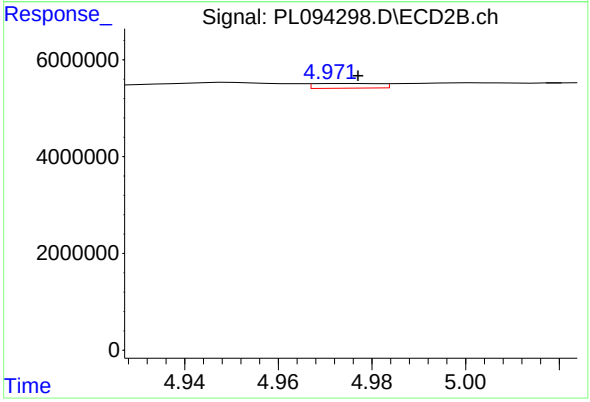
#24 Chlordane-2

R.T.: 4.352 min
Delta R.T.: 0.005 min
Response: 1674387
Conc: 11.41 ng/ml



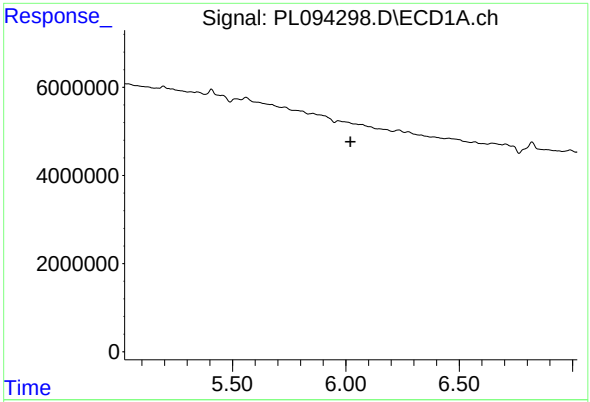
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T. : 5.939 min
Response: 0
Conc: N.D.



#25 Chlordane-3

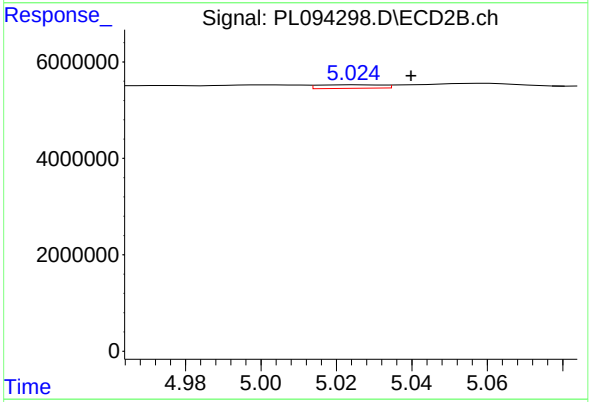
R.T.: 4.975 min
Delta R.T.: -0.002 min
Response: 940295
Conc: 2.16 ng/ml



#26 Chlordane-4

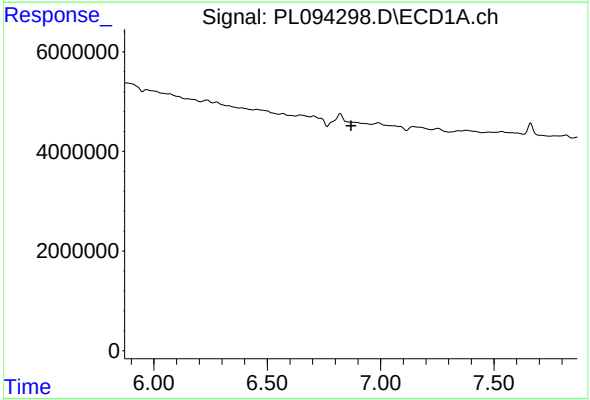
R.T.: 0.000 min
Exp R.T. : 6.021 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-16-021725



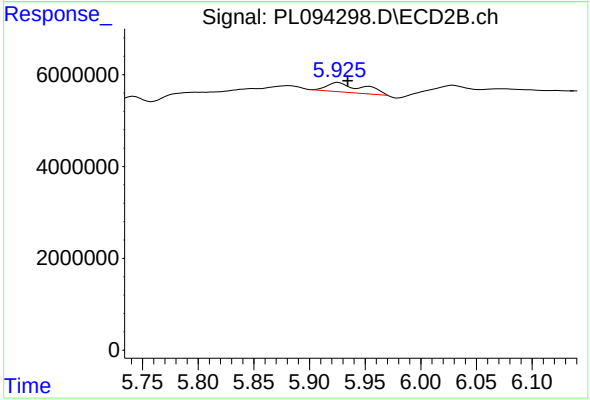
#26 Chlordane-4

R.T.: 5.025 min
Delta R.T.: -0.014 min
Response: 868890
Conc: 2.05 ng/ml



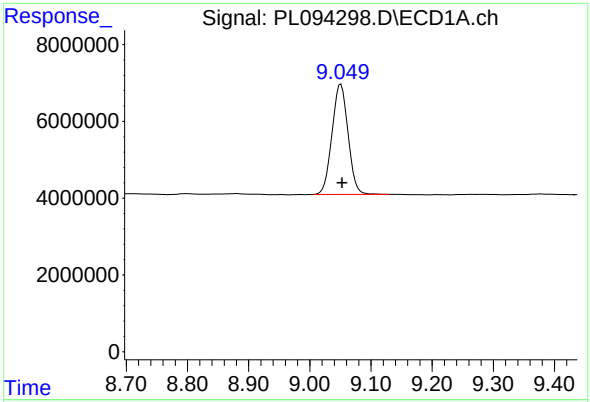
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.



#27 Chlordane-5

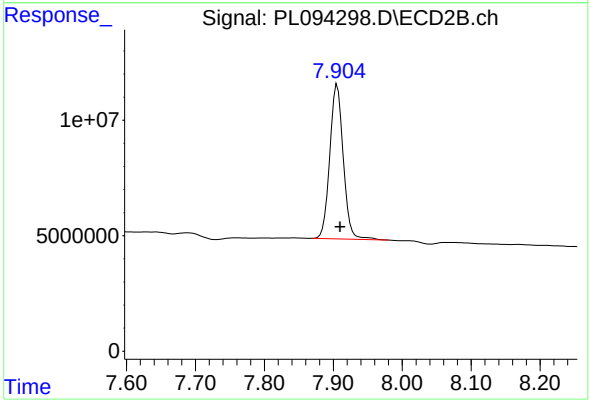
R.T.: 5.926 min
Delta R.T.: -0.009 min
Response: 4533965
Conc: 29.60 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.002 min
Response: 52400715
Conc: 25.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-16-021725



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: -0.004 min
Response: 90638245
Conc: 25.87 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094299.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 11:38
Operator : AR\AJ
Sample : Q1383-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-17-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:36:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.772	109.5E6	82117658	40.657	25.157	#
28)	SA Decachlor...	9.051	7.905	47324144	81951885	22.622	23.388	
	Target Compounds							
2)	A alpha-BHC	0.000	3.267	0	767978	N.D.	0.157	#
3)	MA gamma-BHC...	0.000	3.620	0	76293	N.D.	0.016	#
4)	MA Heptachlor	0.000	3.964f	0	1581061	N.D.	0.340	#
5)	MB Aldrin	0.000	4.221	0	336988	N.D.	0.074	#
6)	B beta-BHC	4.531	3.912	1969483	741149	1.225	0.371	#
8)	B Heptachlo...	0.000	4.727	0	55074	N.D.	0.013	#
10)	B gamma-Chl...	0.000	5.002f	0	879605	N.D.	0.208	#
11)	B alpha-Chl...	0.000	5.057f	0	755728	N.D.	0.181	#
13)	MA Dieldrin	0.000	5.358	0	1593613	N.D.	0.371	#
15)	B Endosulfa...	0.000	5.926	0	1680949	N.D.	0.454	#
17)	MA 4,4'-DDT	0.000	6.027	0	2736533	N.D.	0.841	#
18)	B Endrin al...	0.000	6.122	0	192569	N.D.	0.063	#
19)	B Endosulfa...	0.000	6.322	0	64830	N.D.	0.018	#
21)	B Endrin ke...	7.662f	6.867f	2132989	-327296	0.846	N.D.	#
22)	Mirex	0.000	7.009	0	632026	N.D.	0.187	#
23)	Chlordane-1	0.000	3.755	0	2495908	N.D.	20.000	#
24)	Chlordane-2	0.000	4.319f	0	1455755	N.D.	9.922	#
25)	Chlordane-3	0.000	5.002f	0	879605	N.D.	2.023	#
26)	Chlordane-4	0.000	5.057	0	755728	N.D.	1.784	#
27)	Chlordane-5	0.000	5.926	0	1680949	N.D.	10.975	#

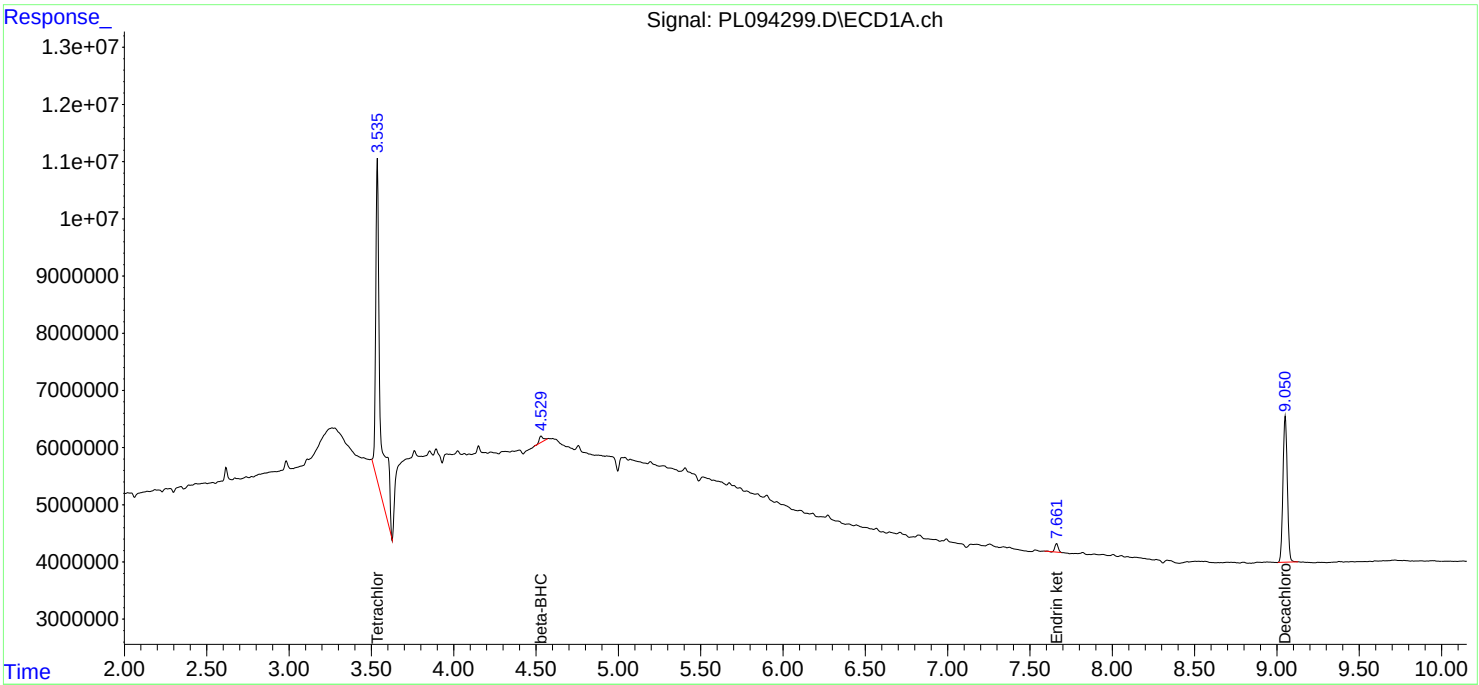
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

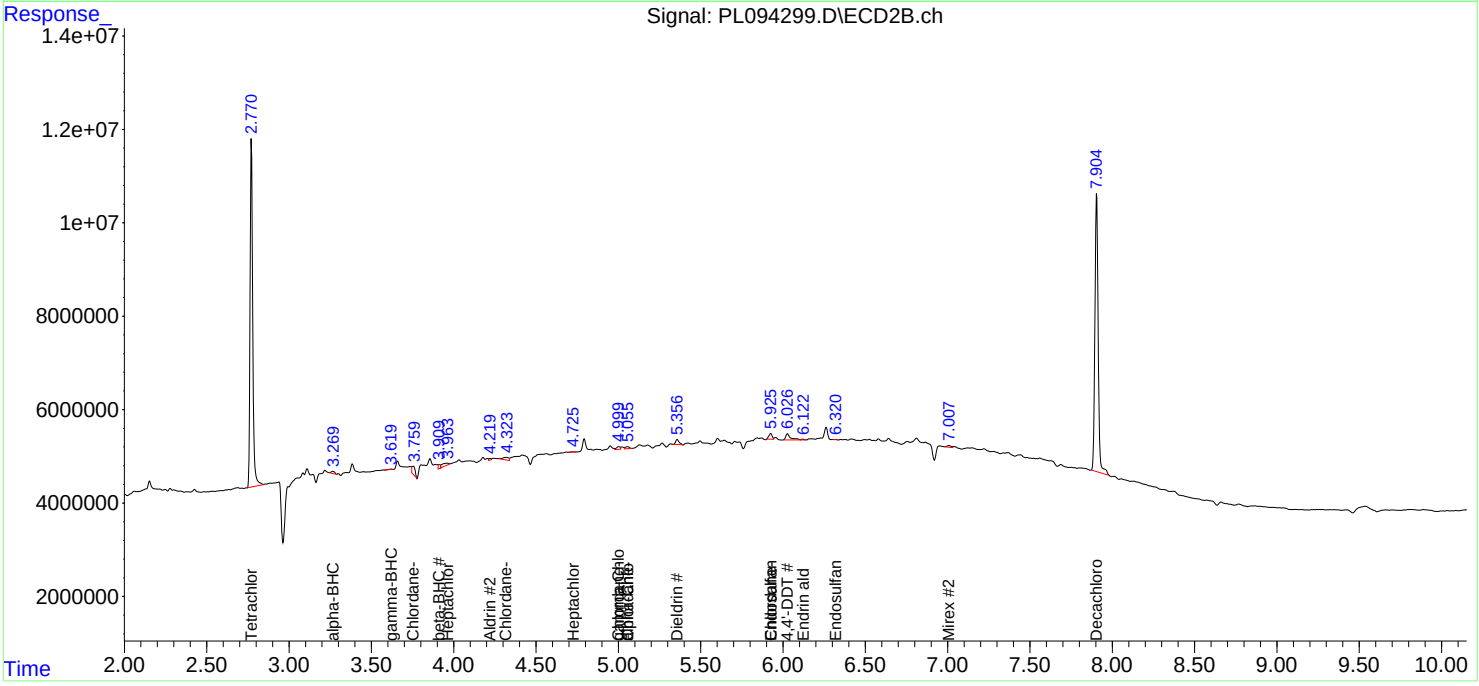
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094299.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 11:38
Operator : AR\AJ
Sample : Q1383-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

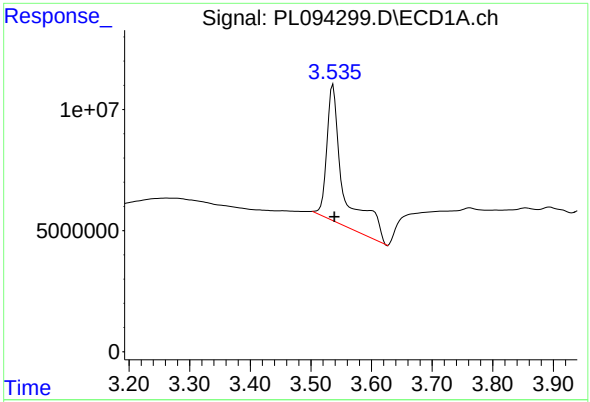
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-17-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:36:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



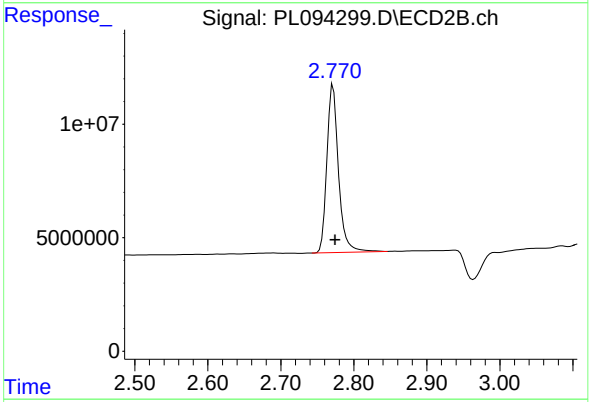




#1 Tetrachloro-m-xylene

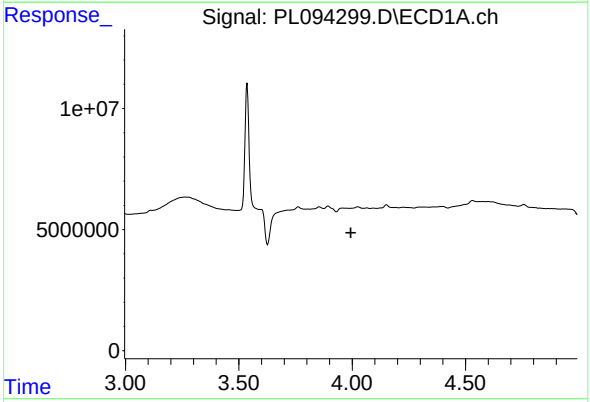
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 109478801
Conc: 40.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-17-021725



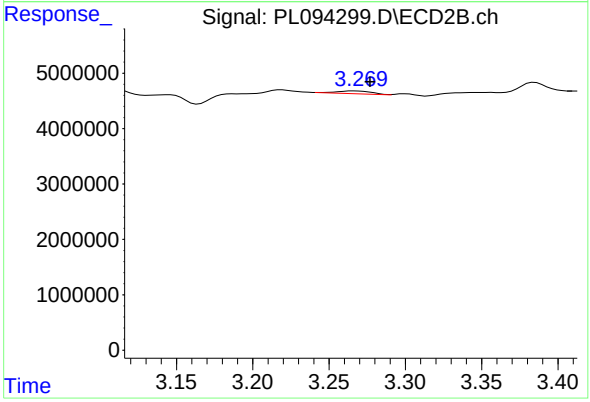
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 82117658
Conc: 25.16 ng/ml



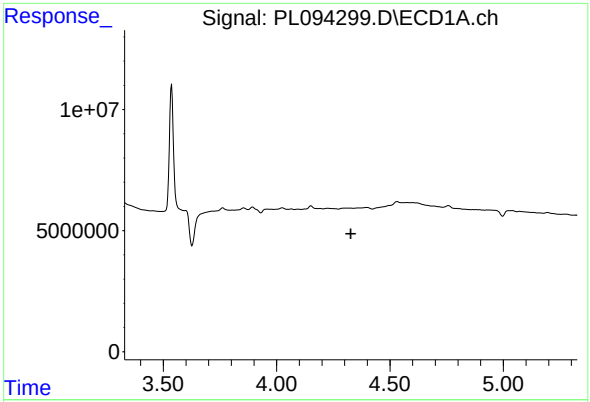
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.995 min
Response: 0
Conc: N.D.



#2 alpha-BHC

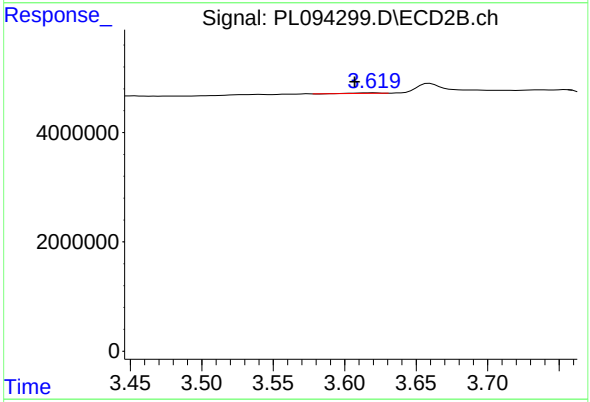
R.T.: 3.267 min
Delta R.T.: -0.010 min
Response: 767978
Conc: 0.16 ng/ml



#3 gamma-BHC (Lindane)

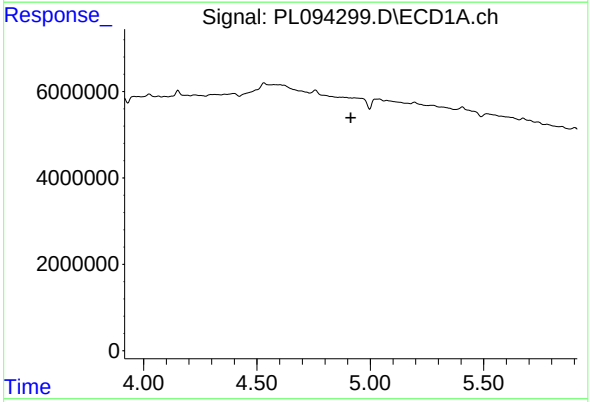
R.T.: 0.000 min
Exp R.T. : 4.327 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-17-021725



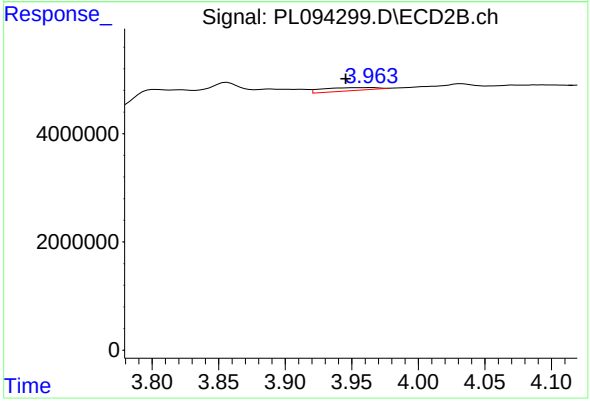
#3 gamma-BHC (Lindane)

R.T.: 3.620 min
Delta R.T.: 0.013 min
Response: 76293
Conc: 0.02 ng/ml



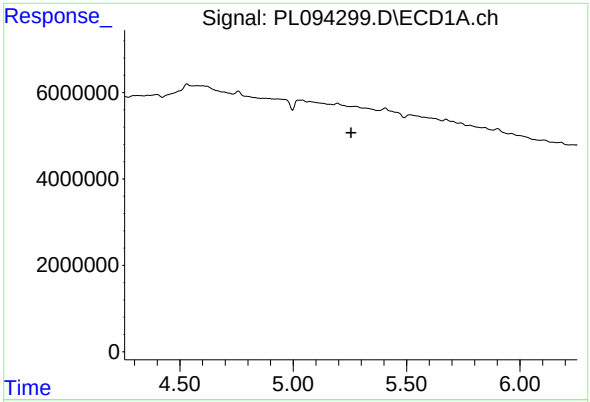
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.914 min
Response: 0
Conc: N.D.



#4 Heptachlor

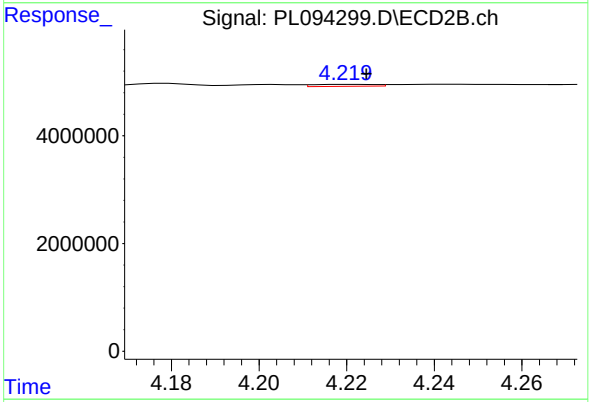
R.T.: 3.964 min
Delta R.T.: 0.019 min
Response: 1581061
Conc: 0.34 ng/ml



#5 Aldrin

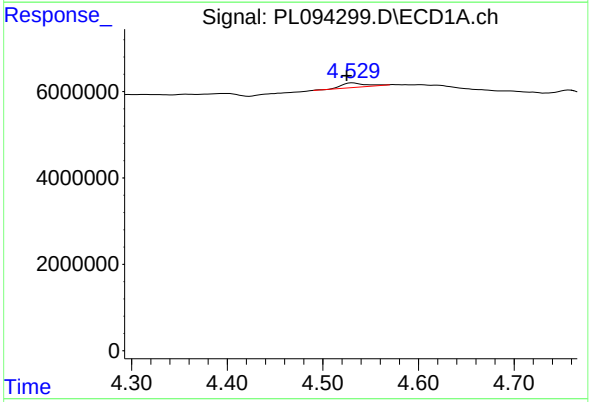
R.T.: 0.000 min
Exp R.T. : 5.256 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-17-021725



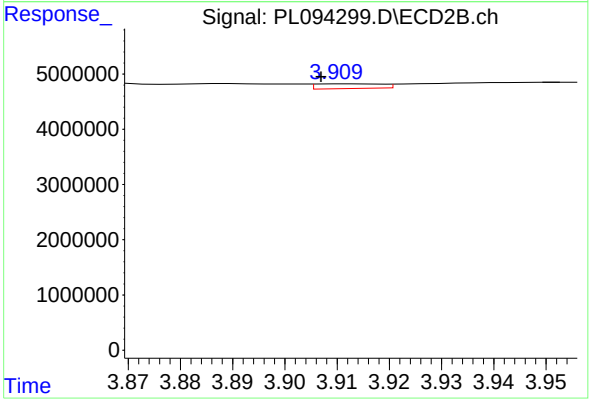
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: -0.004 min
Response: 336988
Conc: 0.07 ng/ml



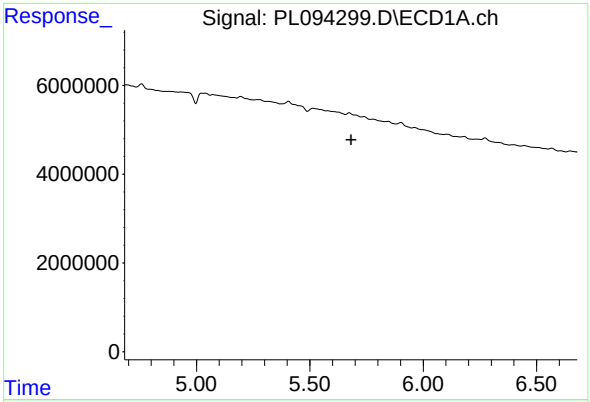
#6 beta-BHC

R.T.: 4.531 min
Delta R.T.: 0.006 min
Response: 1969483
Conc: 1.23 ng/ml



#6 beta-BHC

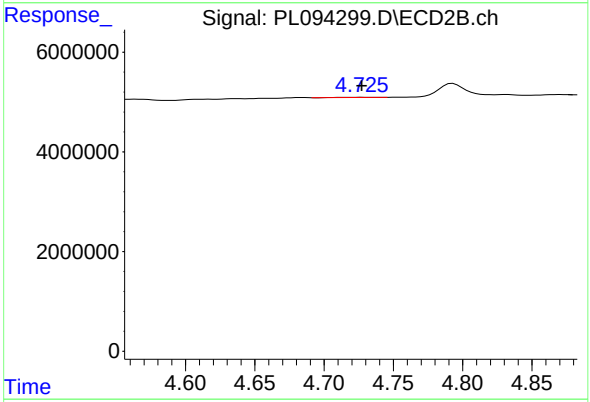
R.T.: 3.912 min
Delta R.T.: 0.005 min
Response: 741149
Conc: 0.37 ng/ml



#8 Heptachlor epoxide

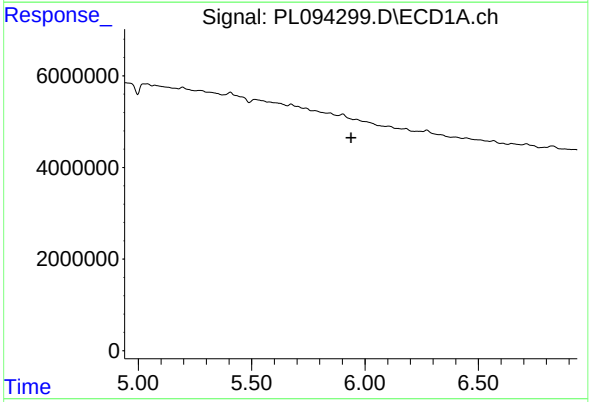
R.T.: 0.000 min
Exp R.T. : 5.682 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-17-021725



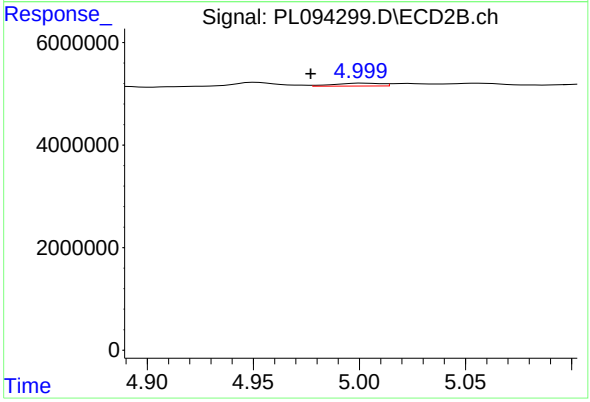
#8 Heptachlor epoxide

R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 55074
Conc: 0.01 ng/ml



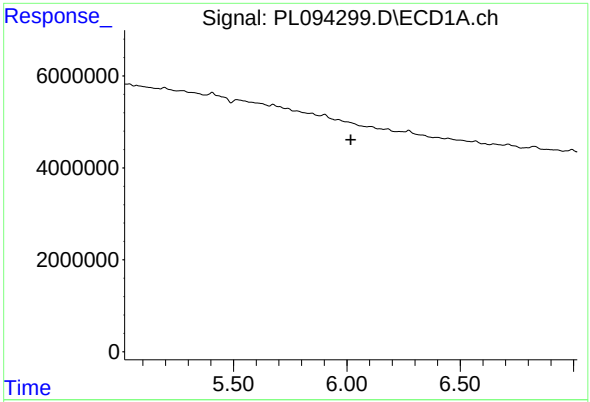
#10 gamma-Chlordane

R.T.: 0.000 min
Exp R.T. : 5.938 min
Response: 0
Conc: N.D.



#10 gamma-Chlordane

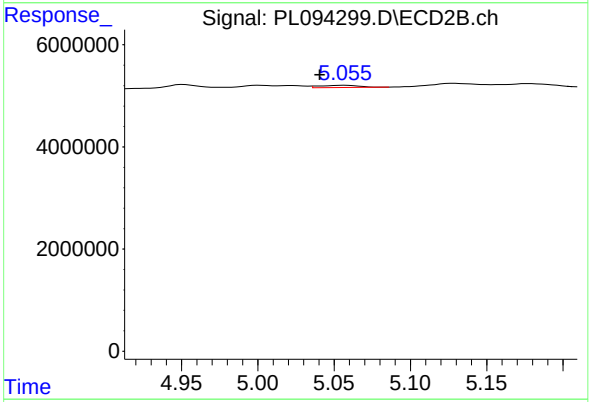
R.T.: 5.002 min
Delta R.T.: 0.025 min
Response: 879605
Conc: 0.21 ng/ml



#11 alpha-Chlordane

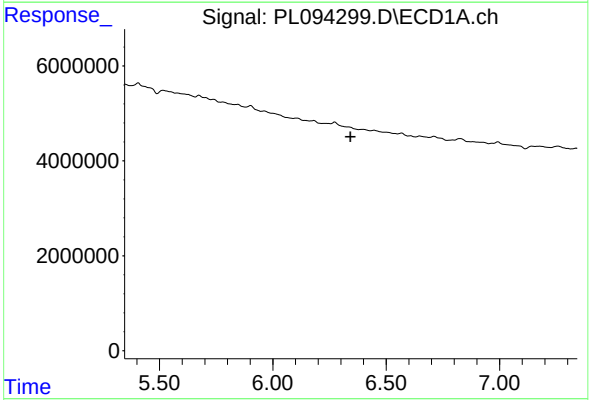
R.T.: 0.000 min
Exp R.T. : 6.017 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-17-021725



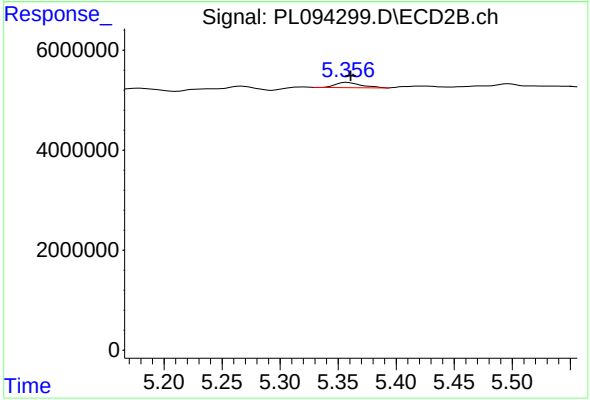
#11 alpha-Chlordane

R.T.: 5.057 min
Delta R.T.: 0.016 min
Response: 755728
Conc: 0.18 ng/ml



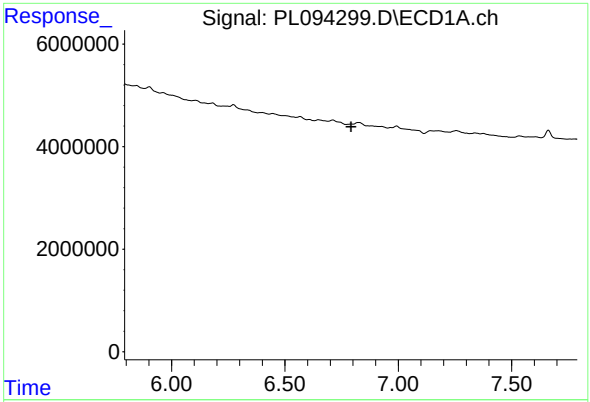
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.343 min
Response: 0
Conc: N.D.



#13 Dieldrin

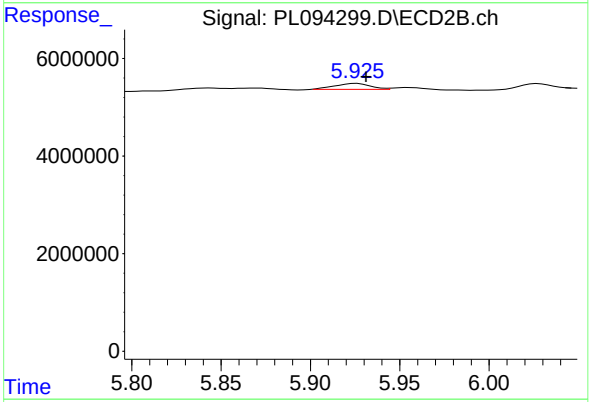
R.T.: 5.358 min
Delta R.T.: -0.003 min
Response: 1593613
Conc: 0.37 ng/ml



#15 Endosulfan II

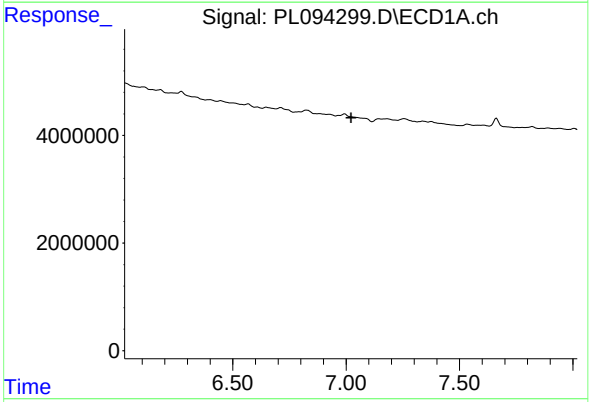
R.T.: 0.000 min
Exp R.T. : 6.792 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-17-021725



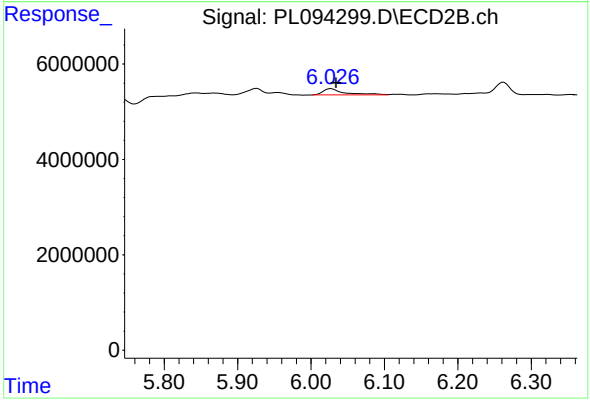
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: -0.005 min
Response: 1680949
Conc: 0.45 ng/ml



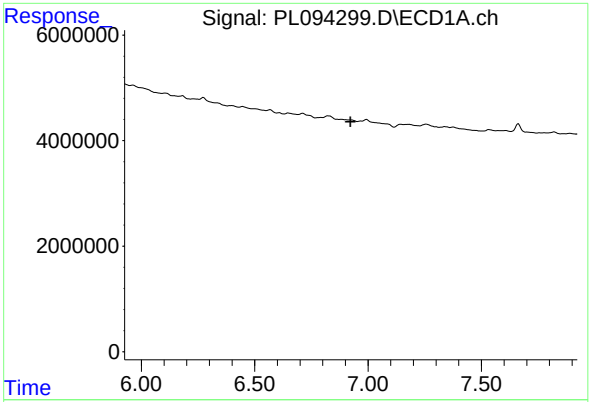
#17 4,4'-DDT

R.T.: 0.000 min
Exp R.T. : 7.022 min
Response: 0
Conc: N.D.



#17 4,4'-DDT

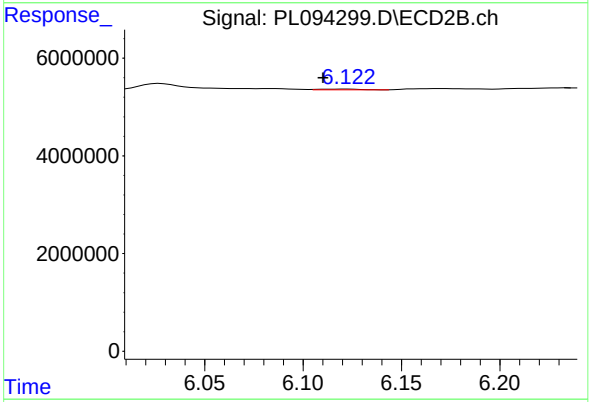
R.T.: 6.027 min
Delta R.T.: -0.007 min
Response: 2736533
Conc: 0.84 ng/ml



#18 Endrin aldehyde

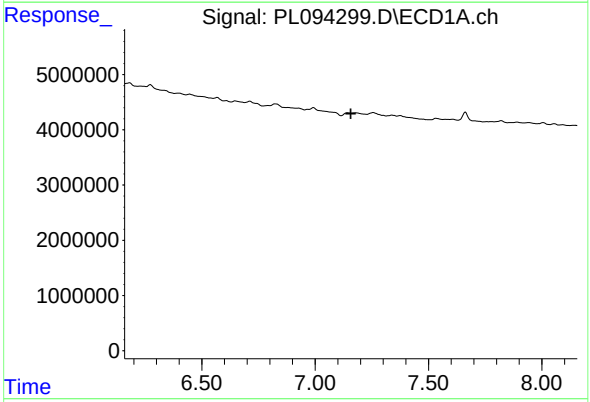
R.T.: 0.000 min
Exp R.T. : 6.923 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-17-021725



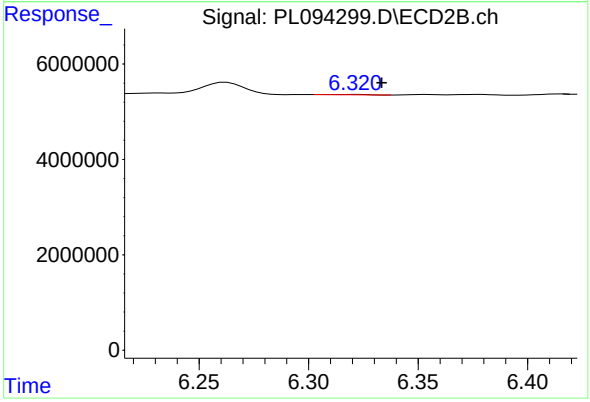
#18 Endrin aldehyde

R.T.: 6.122 min
Delta R.T.: 0.012 min
Response: 192569
Conc: 0.06 ng/ml



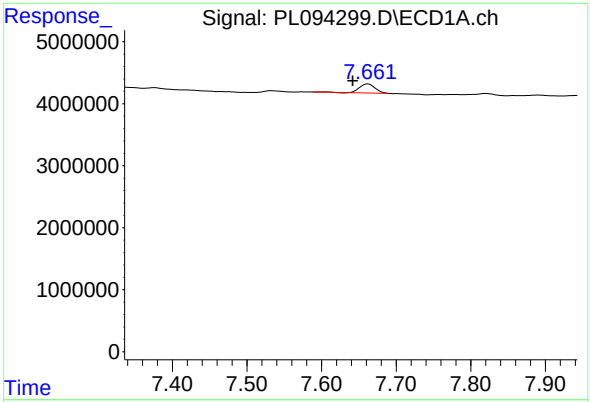
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T. : 7.157 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

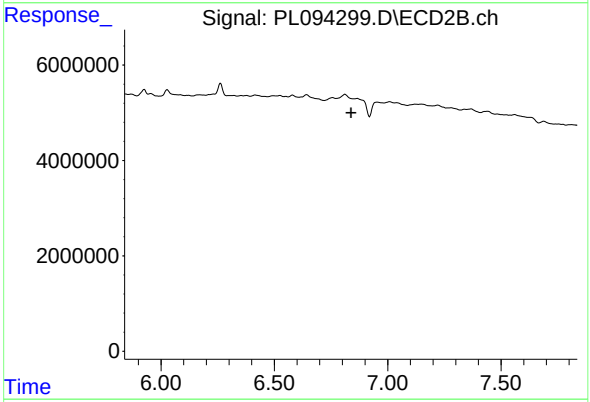
R.T.: 6.322 min
Delta R.T.: -0.012 min
Response: 64830
Conc: 0.02 ng/ml



#21 Endrin ketone

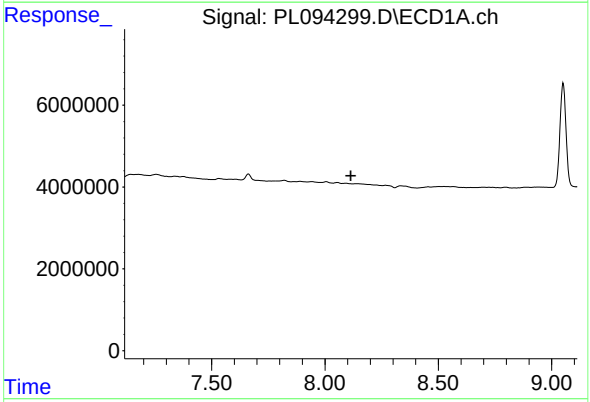
R.T.: 7.662 min
Delta R.T.: 0.021 min
Response: 2132989
Conc: 0.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-17-021725



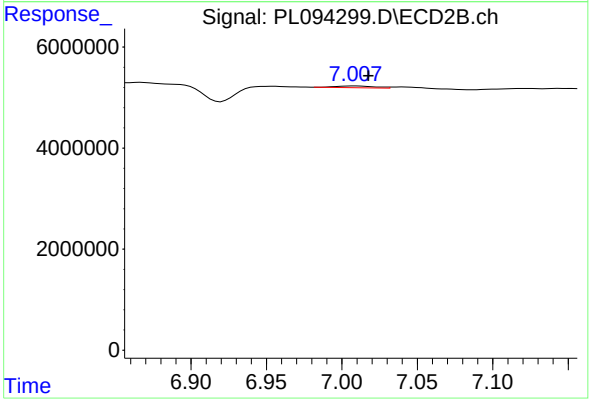
#21 Endrin ketone

R.T.: 6.867 min
Delta R.T.: 0.028 min
Response: -327296
Conc: N.D.



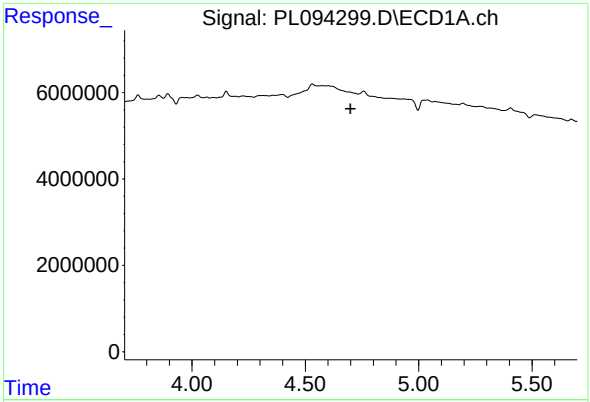
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.



#22 Mirex

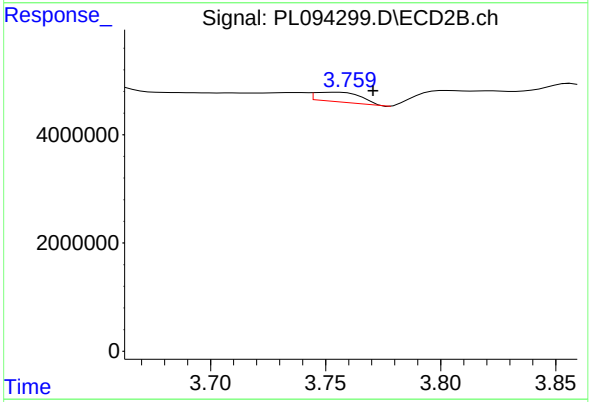
R.T.: 7.009 min
Delta R.T.: -0.008 min
Response: 632026
Conc: 0.19 ng/ml



#23 Chlordane-1

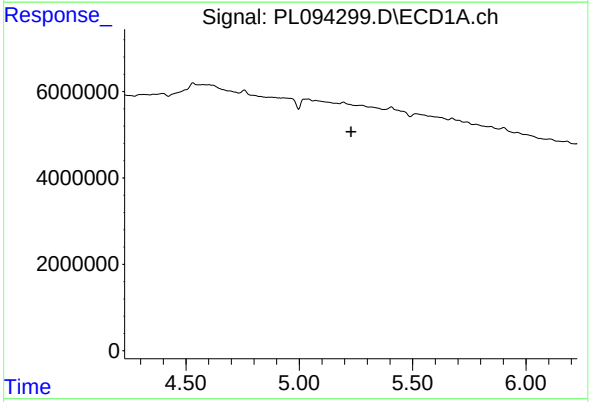
R.T.: 0.000 min
Exp R.T. : 4.700 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-17-021725



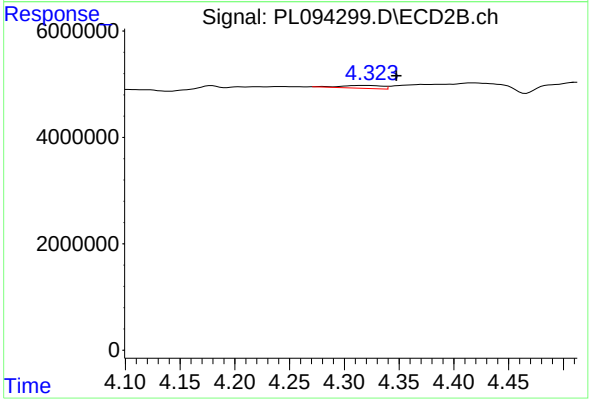
#23 Chlordane-1

R.T.: 3.755 min
Delta R.T.: -0.016 min
Response: 2495908
Conc: 20.00 ng/ml



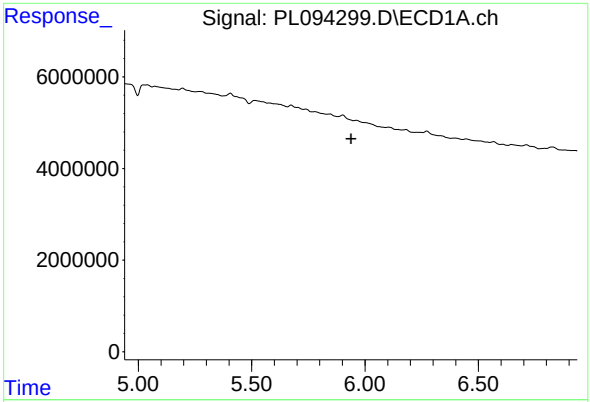
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 5.229 min
Response: 0
Conc: N.D.



#24 Chlordane-2

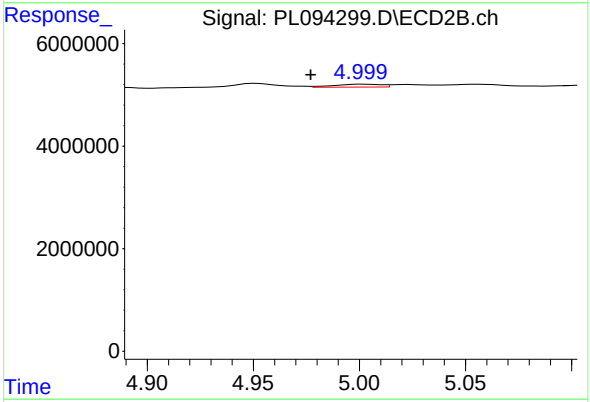
R.T.: 4.319 min
Delta R.T.: -0.028 min
Response: 1455755
Conc: 9.92 ng/ml



#25 Chlordane-3

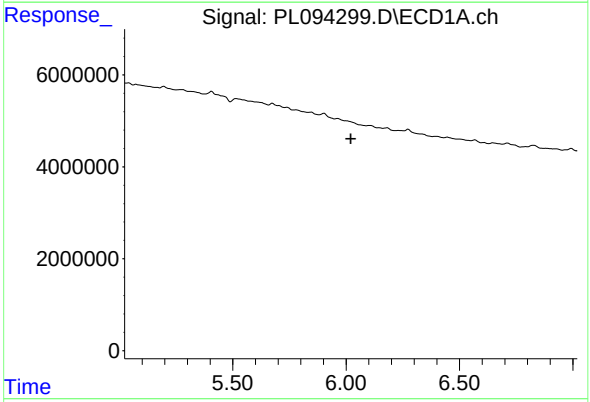
R.T.: 0.000 min
Exp R.T. : 5.939 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-17-021725



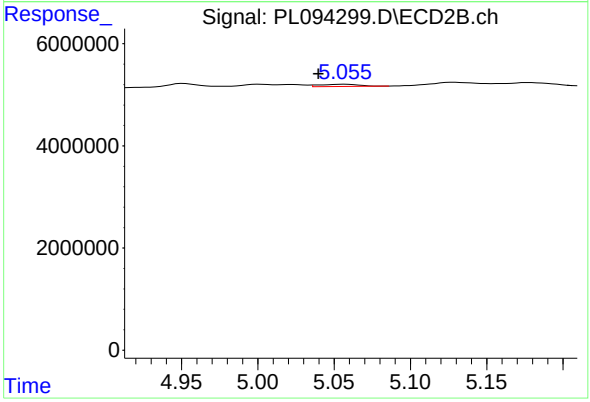
#25 Chlordane-3

R.T.: 5.002 min
Delta R.T.: 0.025 min
Response: 879605
Conc: 2.02 ng/ml



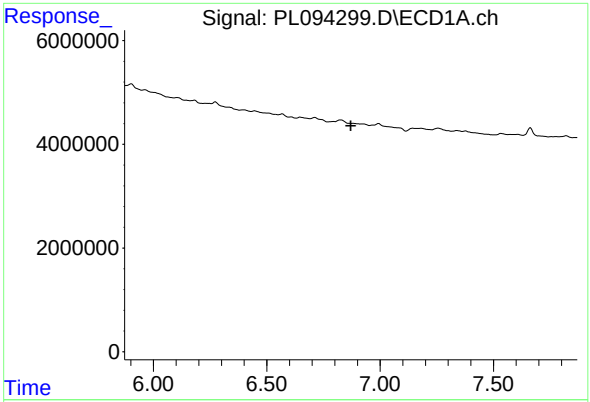
#26 Chlordane-4

R.T.: 0.000 min
Exp R.T. : 6.021 min
Response: 0
Conc: N.D.



#26 Chlordane-4

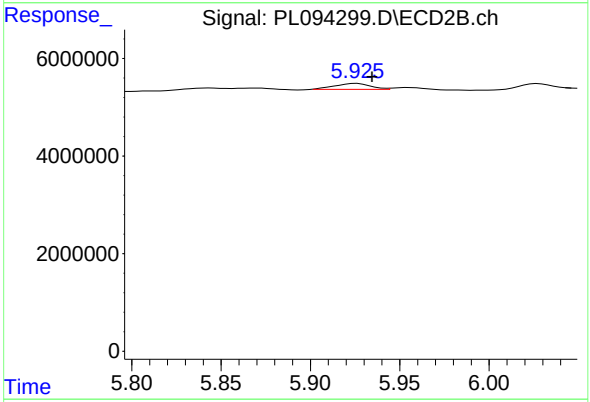
R.T.: 5.057 min
Delta R.T.: 0.017 min
Response: 755728
Conc: 1.78 ng/ml



#27 Chlordane-5

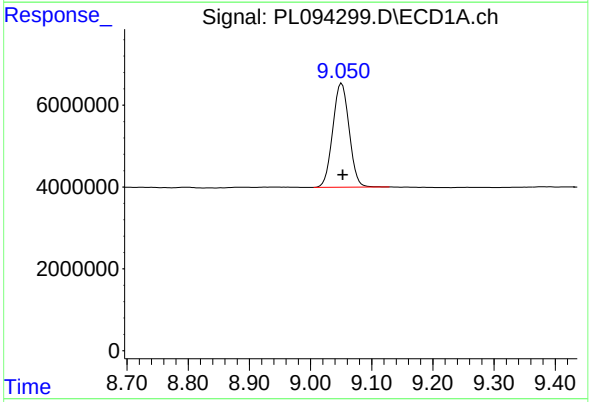
R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-17-021725



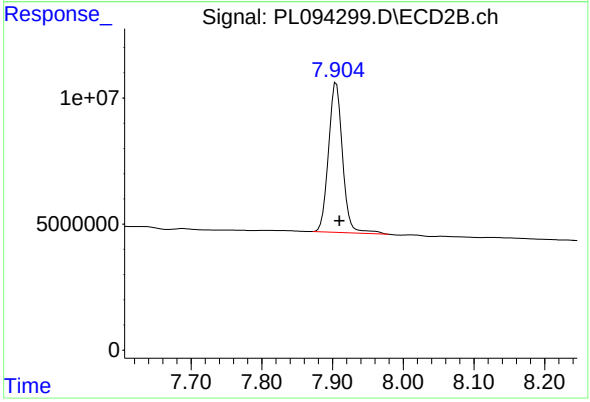
#27 Chlordane-5

R.T.: 5.926 min
Delta R.T.: -0.009 min
Response: 1680949
Conc: 10.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.002 min
Response: 47324144
Conc: 22.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.004 min
Response: 81951885
Conc: 23.39 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094300.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 11:52
Operator : AR\AJ
Sample : Q1383-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-18-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:36:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.771	103.3E6	75865954	38.358	23.242	#
28)	SA Decachlor...	9.050	7.906	38643268	65788359	18.473	18.775	
	Target Compounds							
2)	A alpha-BHC	0.000	3.267	0	481093	N.D.	0.098	#
3)	MA gamma-BHC...	0.000	3.605	0	23020	N.D.	0.005	#
4)	MA Heptachlor	0.000	3.960	0	126412	N.D.	0.027	#
5)	MB Aldrin	0.000	4.220	0	658798	N.D.	0.144	#
6)	B beta-BHC	4.532	3.907	341818	108059	0.213	0.054	#
7)	B delta-BHC	0.000	4.126	0	381071	N.D.	0.080	#
8)	B Heptachlo...	0.000	4.728	0	116016	N.D.	0.028	#
10)	B gamma-Chl...	0.000	4.973	0	344730	N.D.	0.081	#
11)	B alpha-Chl...	0.000	5.055	0	1474128	N.D.	0.352	#
12)	B 4,4'-DDE	0.000	5.238	0	120626	N.D.	0.030	#
13)	MA Dieldrin	0.000	5.361	0	881916	N.D.	0.205	#
14)	MA Endrin	0.000	5.647	0	1146086	N.D.	0.310	#
15)	B Endosulfa...	0.000	5.926	0	5019819	N.D.	1.355	#
17)	MA 4,4'-DDT	0.000	6.028	0	2515103	N.D.	0.773	#
18)	B Endrin al...	0.000	6.128f	0	180849	N.D.	0.059	#
21)	B Endrin ke...	7.661f	0.000	1786687	0	0.708	N.D.	#
22)	Mirex	0.000	7.007	0	7025078	N.D.	2.077	#
23)	Chlordane-1	0.000	3.759	0	268103	N.D.	2.148	#
24)	Chlordane-2	0.000	4.367f	0	2041403	N.D.	13.913	#
25)	Chlordane-3	0.000	4.973	0	344730	N.D.	0.793	#
26)	Chlordane-4	0.000	5.055	0	1474128	N.D.	3.479	#
27)	Chlordane-5	0.000	5.926	0	5019819	N.D.	32.774	#

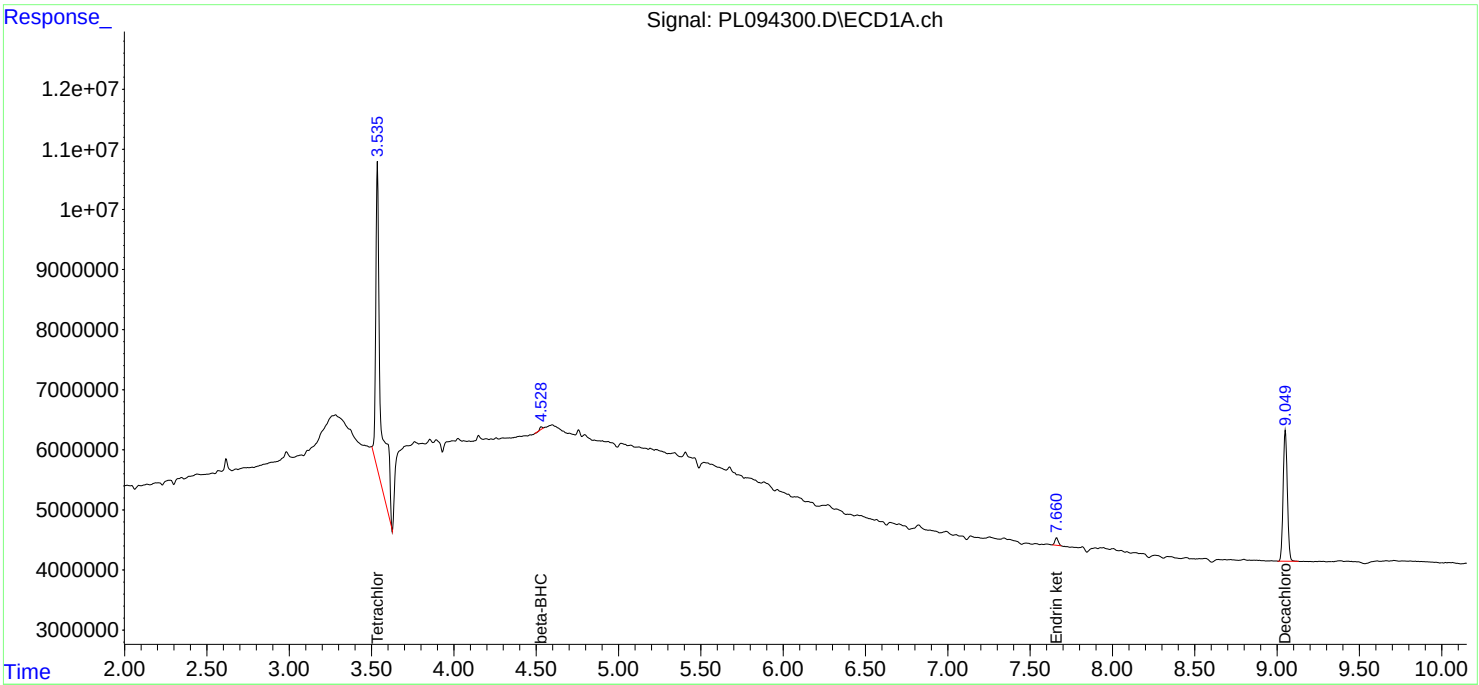
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

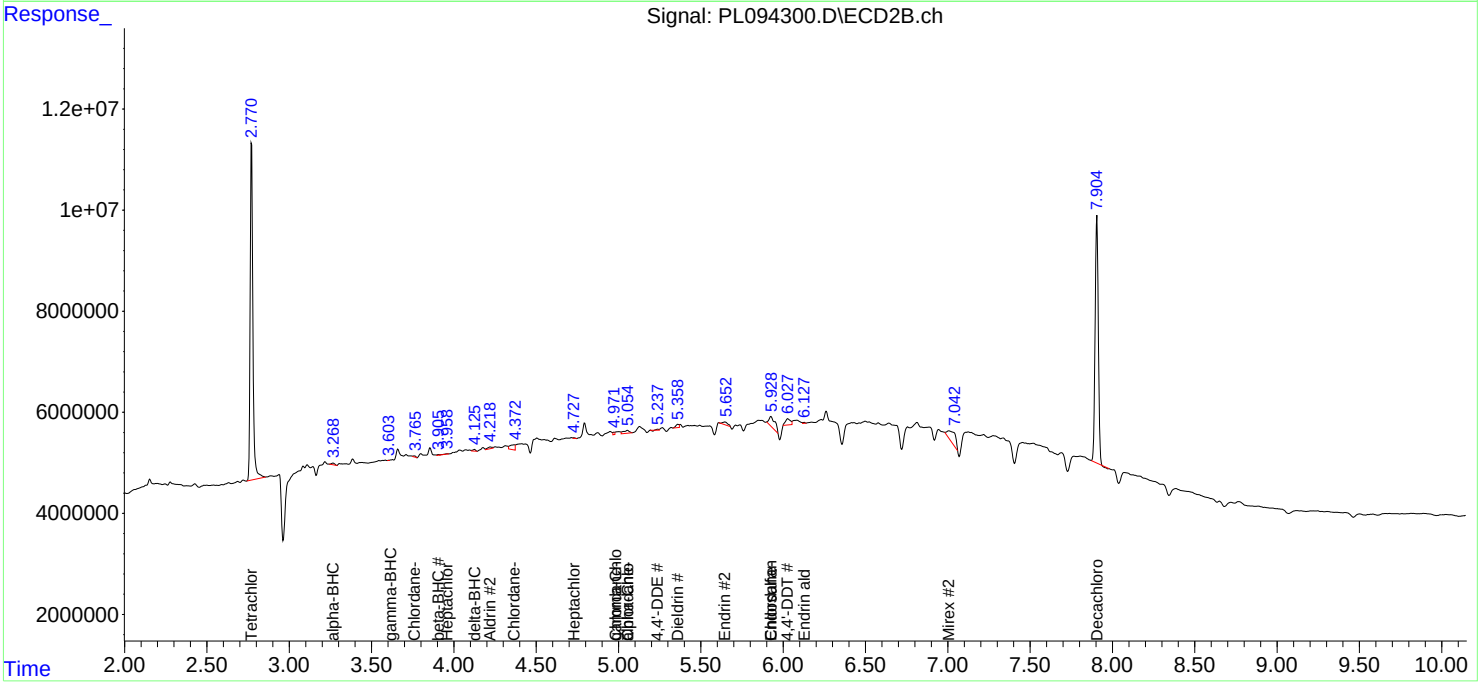
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094300.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 11:52
Operator : AR\AJ
Sample : Q1383-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

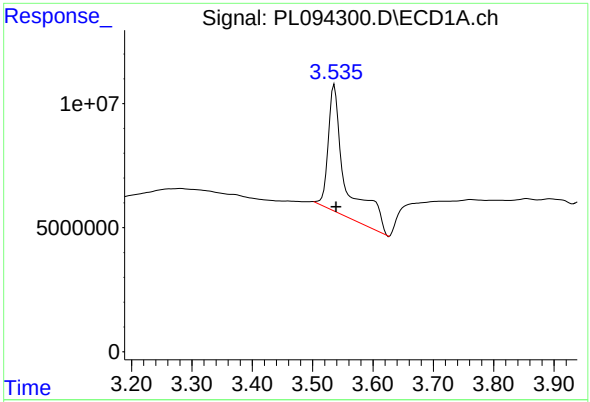
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-18-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:36:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



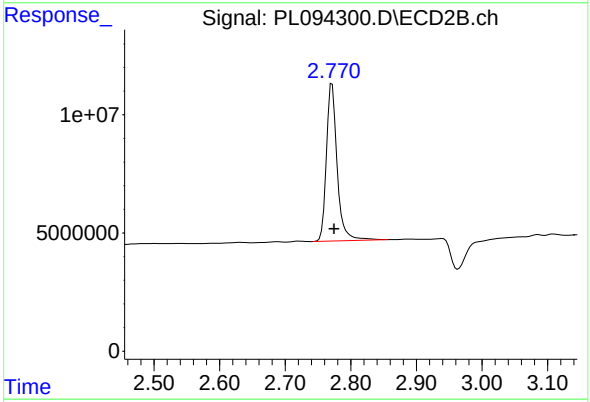




#1 Tetrachloro-m-xylene

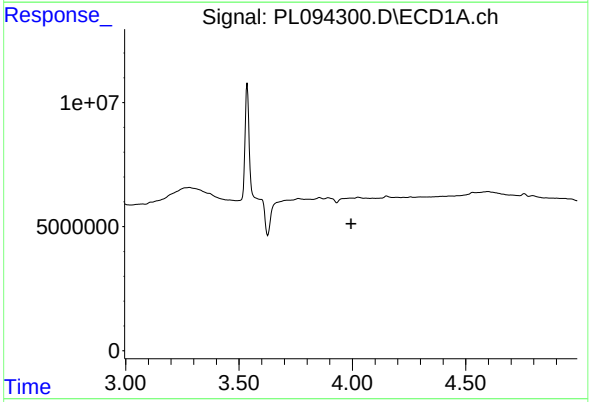
R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 103288797
Conc: 38.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-18-021725



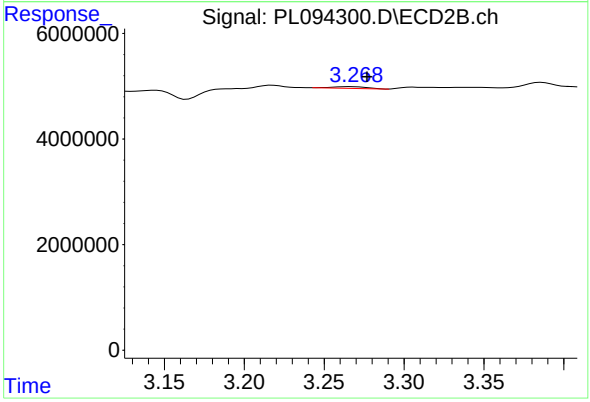
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 75865954
Conc: 23.24 ng/ml



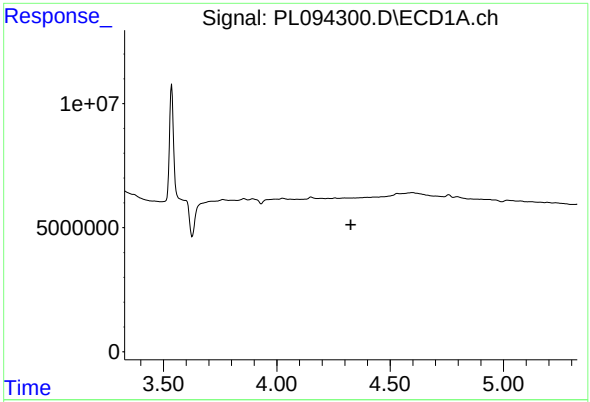
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.995 min
Response: 0
Conc: N.D.



#2 alpha-BHC

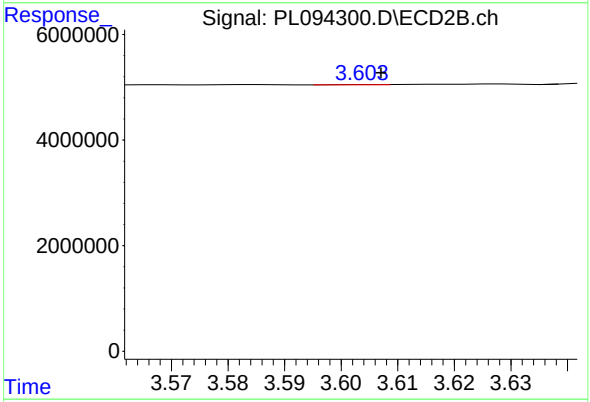
R.T.: 3.267 min
Delta R.T.: -0.010 min
Response: 481093
Conc: 0.10 ng/ml



#3 gamma-BHC (Lindane)

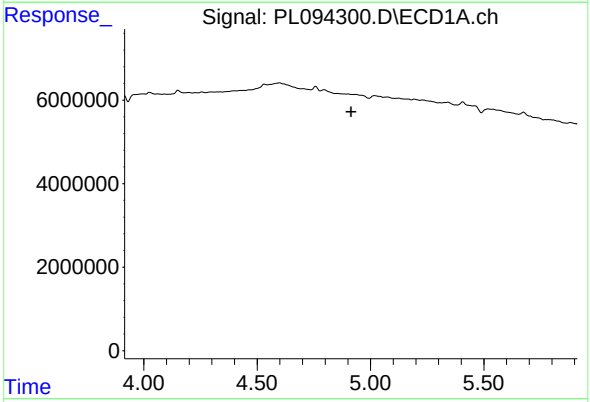
R.T.: 0.000 min
Exp R.T. : 4.327 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-18-021725



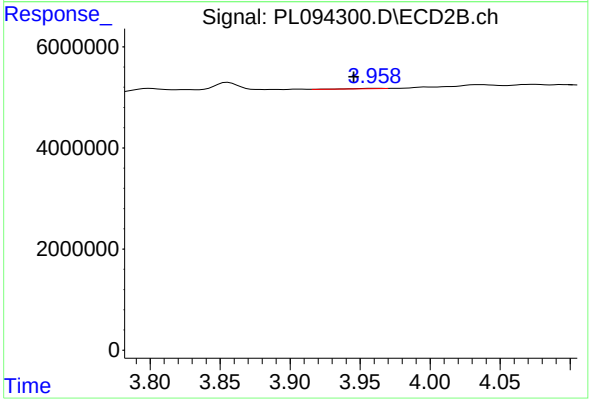
#3 gamma-BHC (Lindane)

R.T.: 3.605 min
Delta R.T.: -0.002 min
Response: 23020
Conc: 0.00 ng/ml



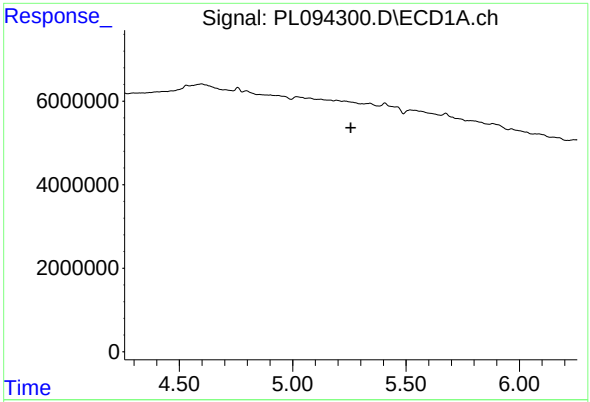
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.914 min
Response: 0
Conc: N.D.



#4 Heptachlor

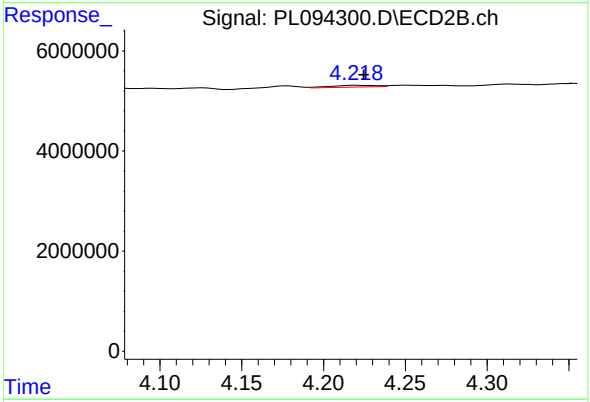
R.T.: 3.960 min
Delta R.T.: 0.015 min
Response: 126412
Conc: 0.03 ng/ml



#5 Aldrin

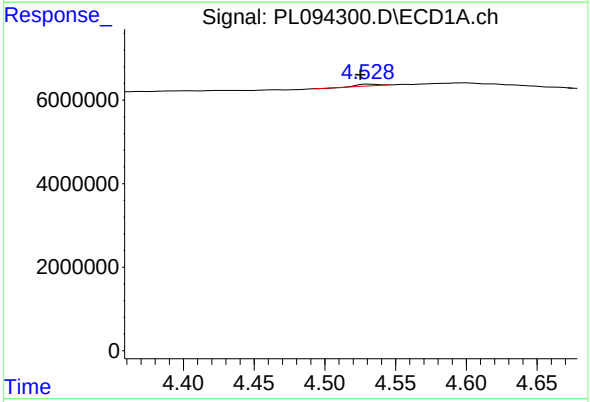
R.T.: 0.000 min
Exp R.T. : 5.256 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-18-021725



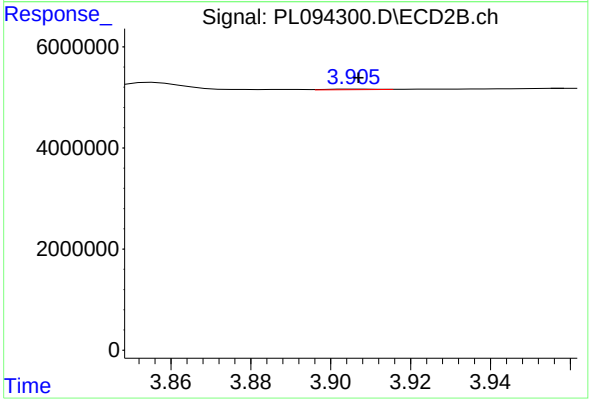
#5 Aldrin

R.T.: 4.220 min
Delta R.T.: -0.004 min
Response: 658798
Conc: 0.14 ng/ml



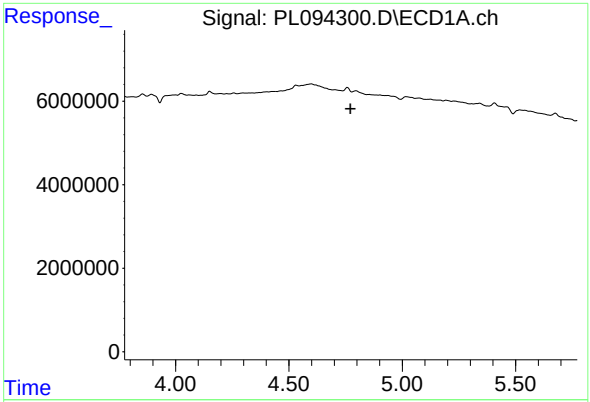
#6 beta-BHC

R.T.: 4.532 min
Delta R.T.: 0.007 min
Response: 341818
Conc: 0.21 ng/ml



#6 beta-BHC

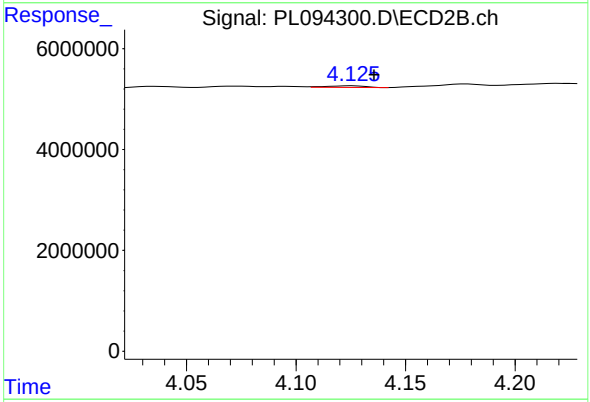
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 108059
Conc: 0.05 ng/ml



#7 delta-BHC

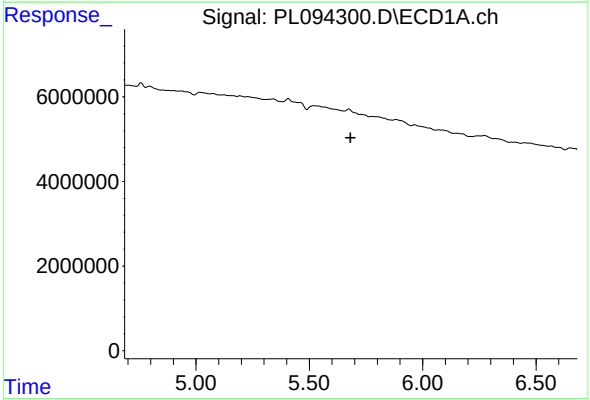
R.T.: 0.000 min
Exp R.T. : 4.772 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-18-021725



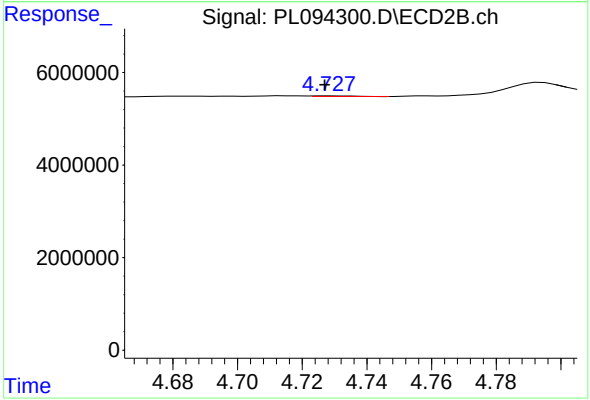
#7 delta-BHC

R.T.: 4.126 min
Delta R.T.: -0.010 min
Response: 381071
Conc: 0.08 ng/ml



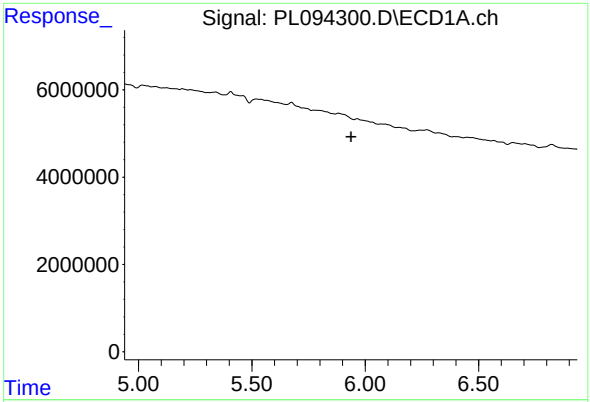
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 5.682 min
Response: 0
Conc: N.D.



#8 Heptachlor epoxide

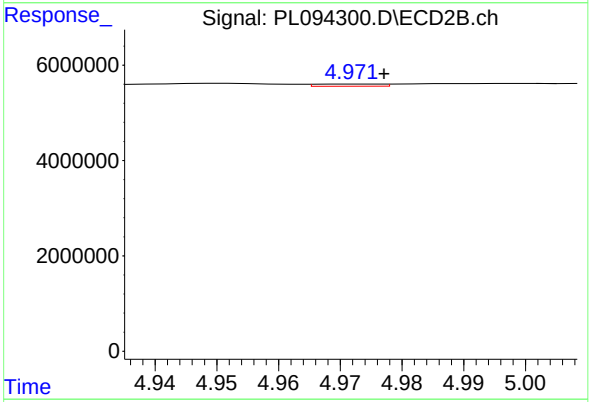
R.T.: 4.728 min
Delta R.T.: 0.001 min
Response: 116016
Conc: 0.03 ng/ml



#10 gamma-Chlordane

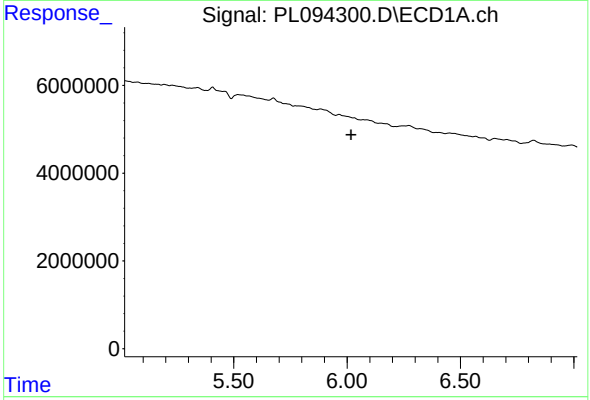
R.T.: 0.000 min
Exp R.T. : 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-18-021725



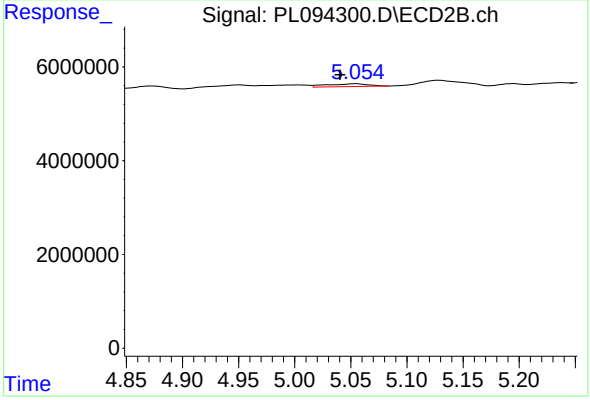
#10 gamma-Chlordane

R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 344730
Conc: 0.08 ng/ml



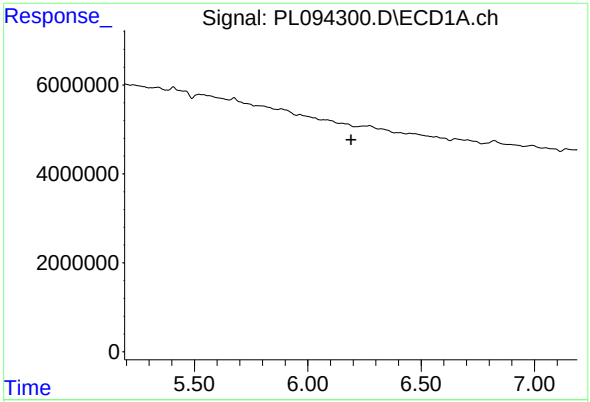
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T. : 6.017 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

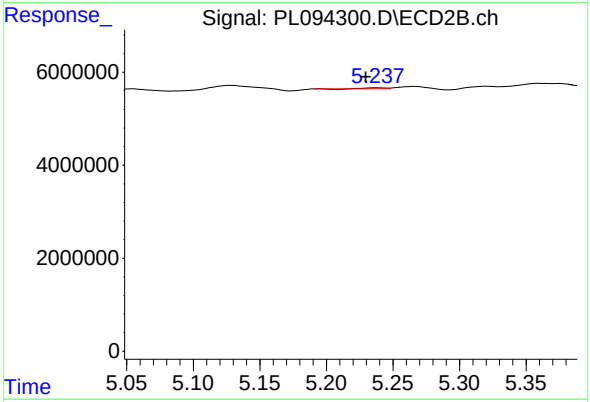
R.T.: 5.055 min
Delta R.T.: 0.015 min
Response: 1474128
Conc: 0.35 ng/ml



#12 4,4'-DDE

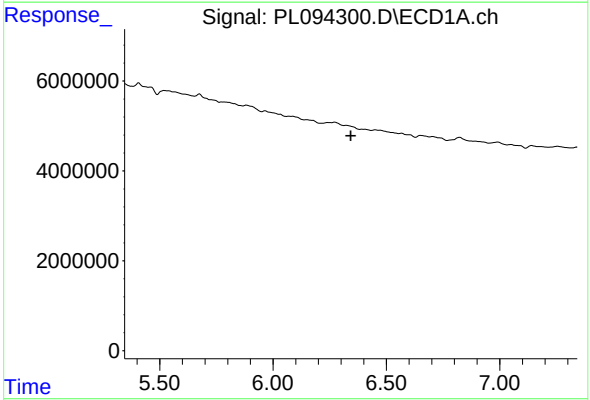
R.T.: 0.000 min
Exp R.T. : 6.191 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-18-021725



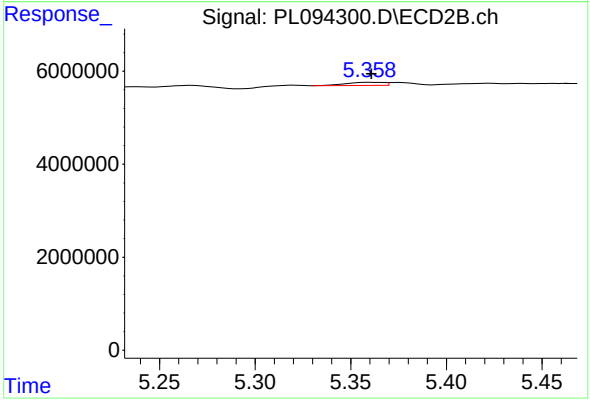
#12 4,4'-DDE

R.T.: 5.238 min
Delta R.T.: 0.009 min
Response: 120626
Conc: 0.03 ng/ml



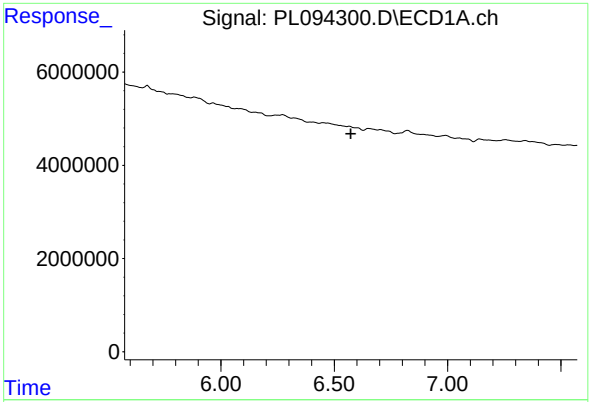
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.343 min
Response: 0
Conc: N.D.



#13 Dieldrin

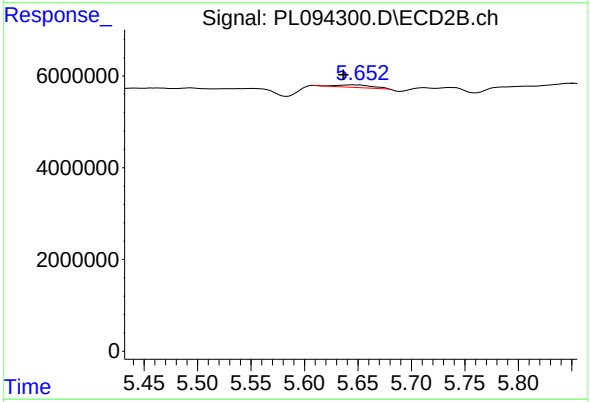
R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 881916
Conc: 0.21 ng/ml



#14 Endrin

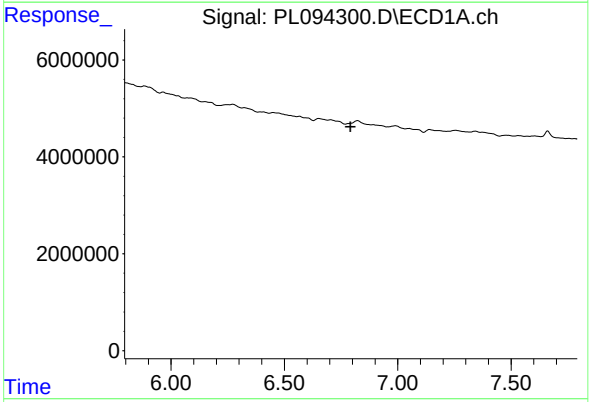
R.T.: 0.000 min
Exp R.T. : 6.572 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-18-021725



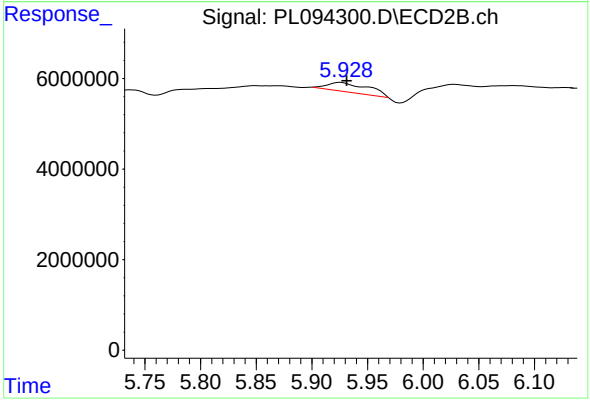
#14 Endrin

R.T.: 5.647 min
Delta R.T.: 0.010 min
Response: 1146086
Conc: 0.31 ng/ml



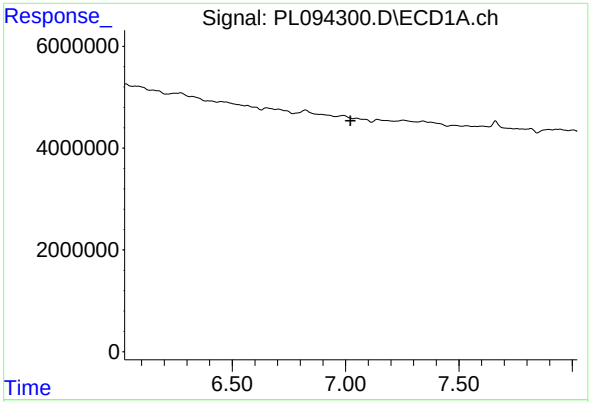
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.792 min
Response: 0
Conc: N.D.



#15 Endosulfan II

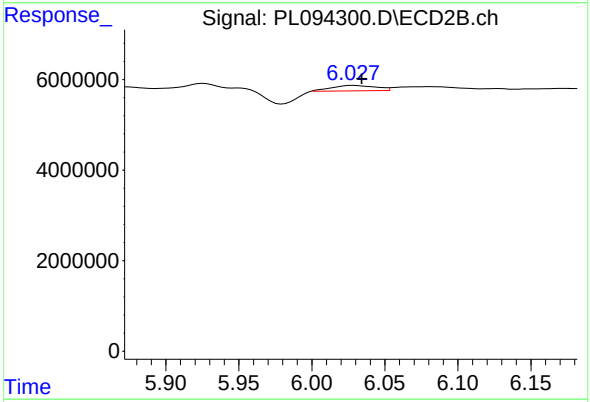
R.T.: 5.926 min
Delta R.T.: -0.005 min
Response: 5019819
Conc: 1.36 ng/ml



#17 4,4'-DDT

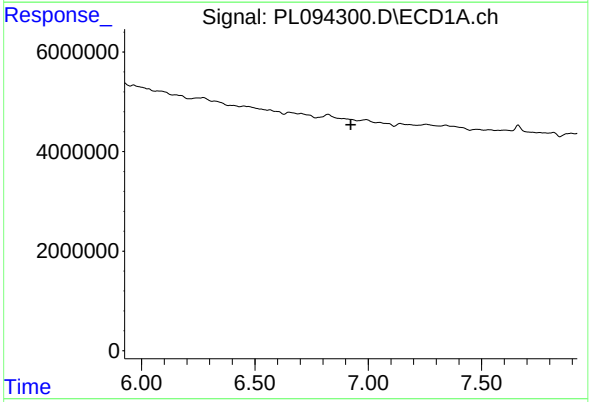
R.T.: 0.000 min
Exp R.T. : 7.022 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-18-021725



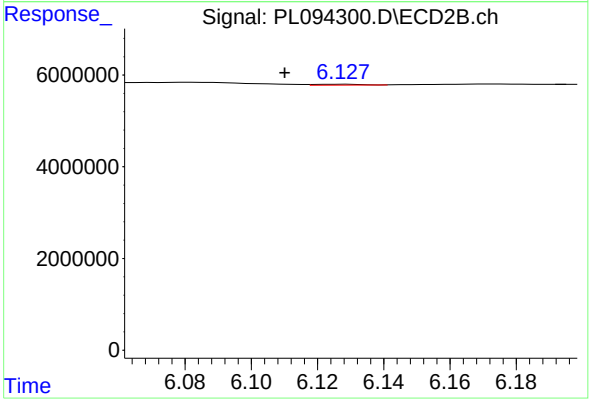
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.006 min
Response: 2515103
Conc: 0.77 ng/ml



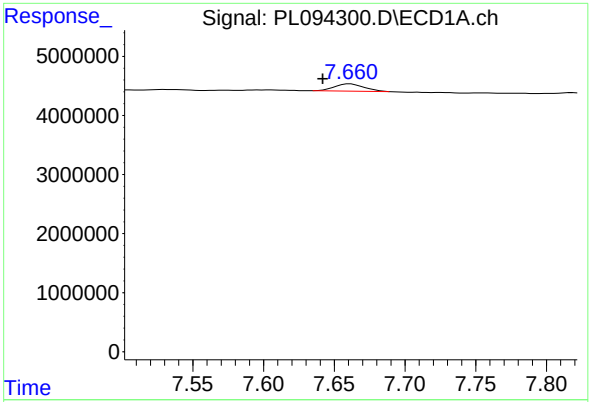
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.923 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

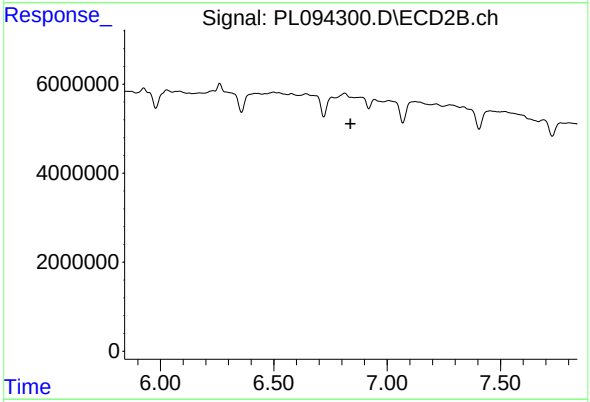
R.T.: 6.128 min
Delta R.T.: 0.018 min
Response: 180849
Conc: 0.06 ng/ml



#21 Endrin ketone

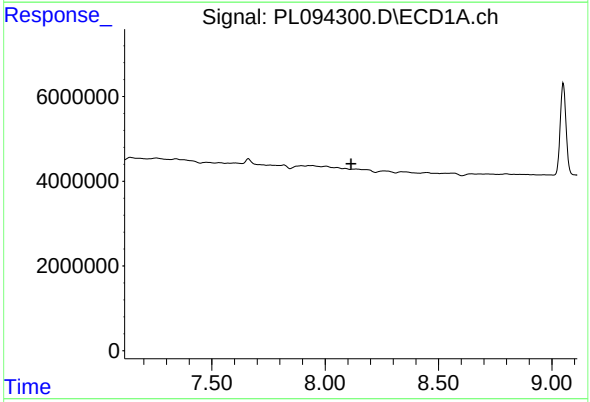
R.T.: 7.661 min
Delta R.T.: 0.019 min
Response: 1786687
Conc: 0.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-18-021725



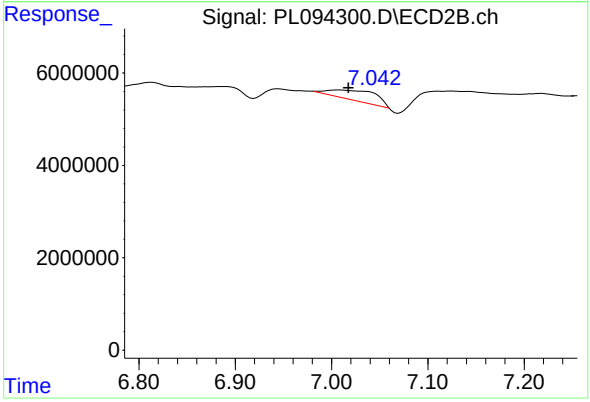
#21 Endrin ketone

R.T.: 0.000 min
Exp R.T. : 6.839 min
Response: 0
Conc: N.D.



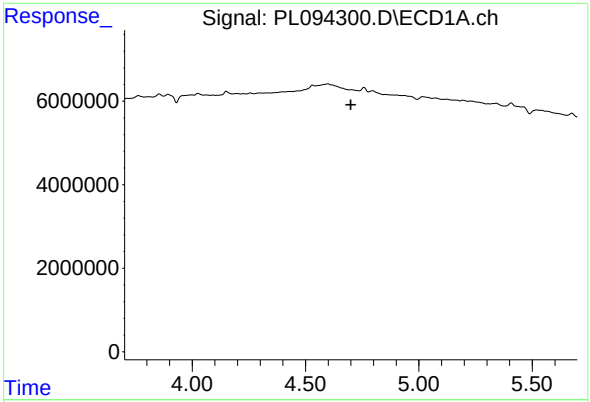
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.



#22 Mirex

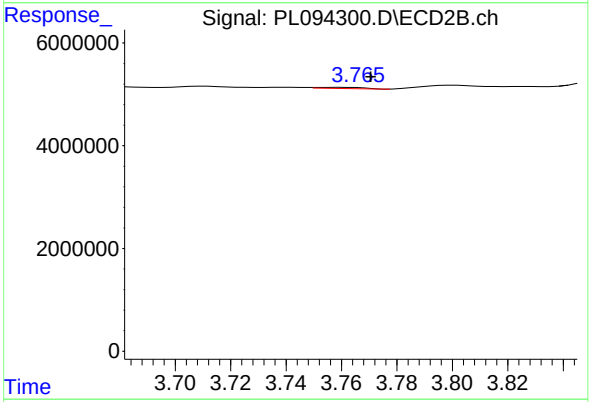
R.T.: 7.007 min
Delta R.T.: -0.010 min
Response: 7025078
Conc: 2.08 ng/ml



#23 Chlordane-1

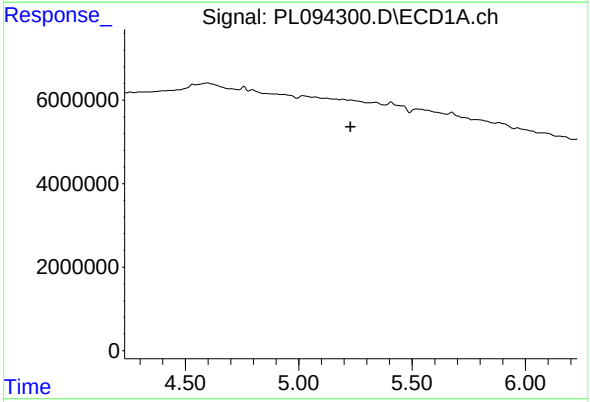
R.T.: 0.000 min
Exp R.T. : 4.700 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-18-021725



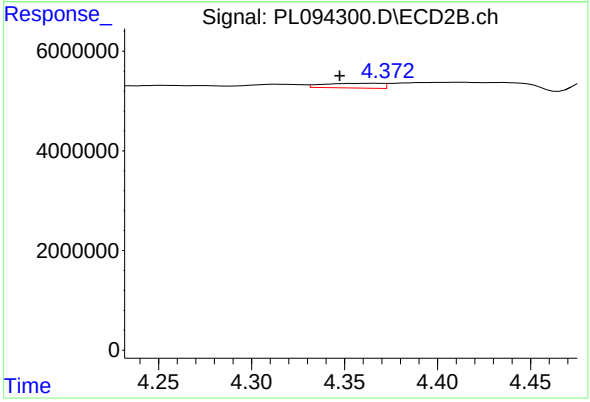
#23 Chlordane-1

R.T.: 3.759 min
Delta R.T.: -0.011 min
Response: 268103
Conc: 2.15 ng/ml



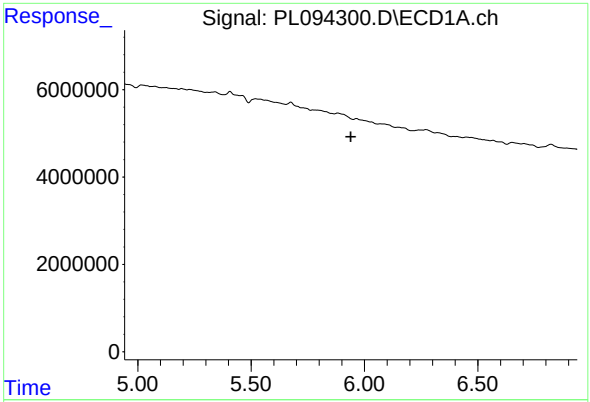
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 5.229 min
Response: 0
Conc: N.D.



#24 Chlordane-2

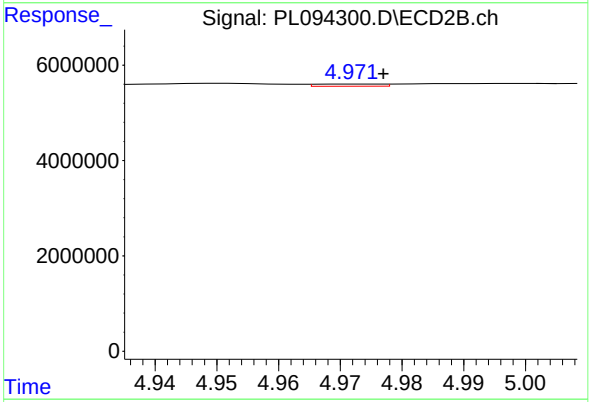
R.T.: 4.367 min
Delta R.T.: 0.020 min
Response: 2041403
Conc: 13.91 ng/ml



#25 Chlordane-3

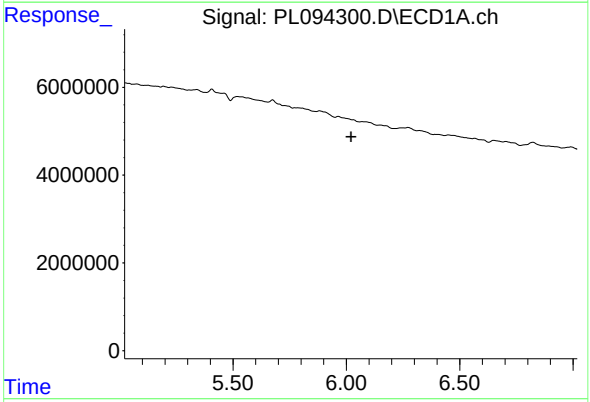
R.T.: 0.000 min
Exp R.T. : 5.939 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-18-021725



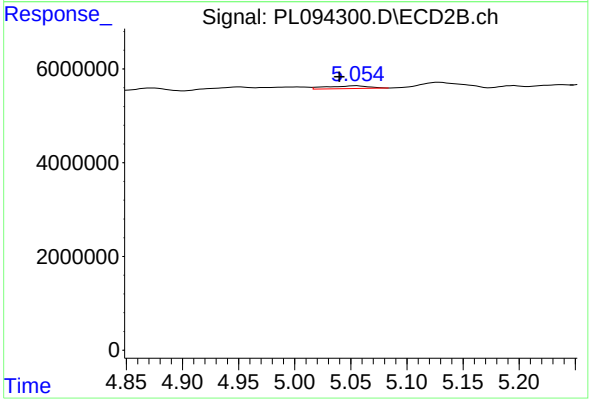
#25 Chlordane-3

R.T.: 4.973 min
Delta R.T.: -0.004 min
Response: 344730
Conc: 0.79 ng/ml



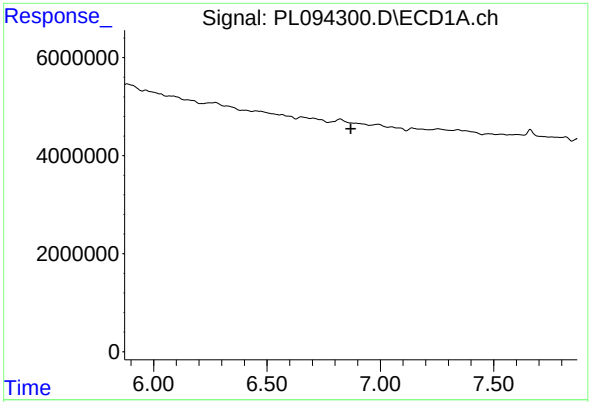
#26 Chlordane-4

R.T.: 0.000 min
Exp R.T. : 6.021 min
Response: 0
Conc: N.D.



#26 Chlordane-4

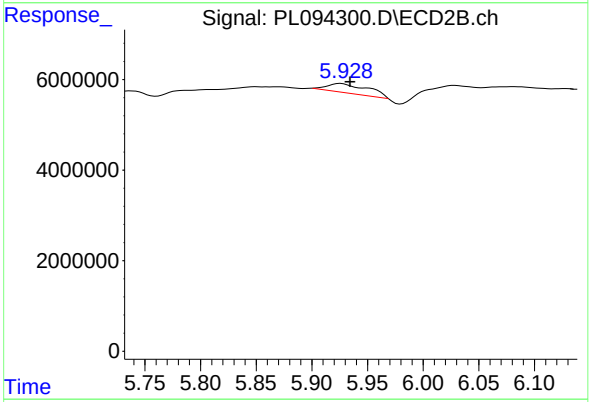
R.T.: 5.055 min
Delta R.T.: 0.015 min
Response: 1474128
Conc: 3.48 ng/ml



#27 Chlordane-5

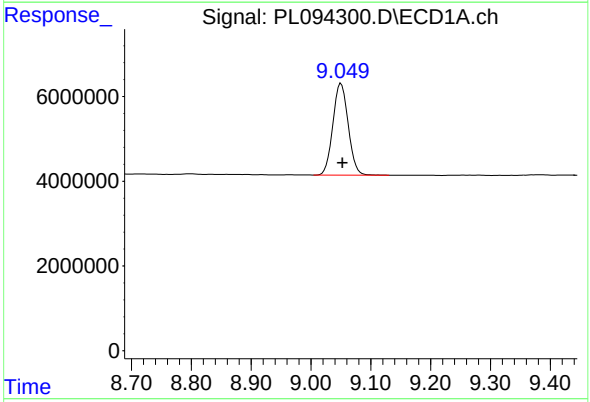
R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-18-021725



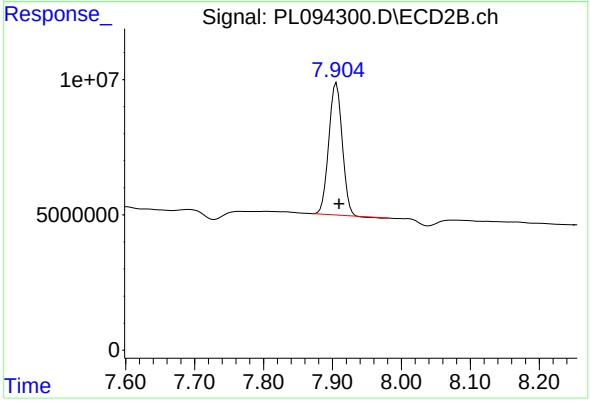
#27 Chlordane-5

R.T.: 5.926 min
Delta R.T.: -0.008 min
Response: 5019819
Conc: 32.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.003 min
Response: 38643268
Conc: 18.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: -0.004 min
Response: 65788359
Conc: 18.77 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094301.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 12:06
Operator : AR\AJ
Sample : Q1383-17
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-19-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:36:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.771	111.8E6	81070341	41.515	24.837	#
28)	SA Decachlor...	9.051	7.906	46450448	77960964	22.205	22.249	
	Target Compounds							
2)	A alpha-BHC	0.000	3.265	0	579143	N.D.	0.118	#
3)	MA gamma-BHC...	0.000	3.622	0	35352	N.D.	0.007	#
4)	MA Heptachlor	0.000	3.945	0	665469	N.D.	0.143	#
5)	MB Aldrin	0.000	4.221	0	632402	N.D.	0.139	#
6)	B beta-BHC	4.532	3.908	1480733	626711	0.921	0.314	#
7)	B delta-BHC	0.000	4.122	0	152049	N.D.	0.032	#
10)	B gamma-Chl...	0.000	5.000f	0	1069075	N.D.	0.252	#
11)	B alpha-Chl...	0.000	5.023f	0	891399	N.D.	0.213	#
13)	MA Dieldrin	0.000	5.359	0	1280334	N.D.	0.298	#
14)	MA Endrin	0.000	5.646	0	129736	N.D.	0.035	#
15)	B Endosulfa...	0.000	5.926	0	1955025	N.D.	0.528	#
17)	MA 4,4'-DDT	0.000	6.028	0	2072276	N.D.	0.637	#
21)	B Endrin ke...	7.662f	6.868f	2632586	-642444	1.044	N.D.	#
22)	Mirex	0.000	7.004	0	369908	N.D.	0.109	#
23)	Chlordane-1	0.000	3.758	0	554581	N.D.	4.444	#
24)	Chlordane-2	0.000	4.322f	0	2013494	N.D.	13.723	#
25)	Chlordane-3	0.000	5.000f	0	1069075	N.D.	2.459	#
26)	Chlordane-4	0.000	5.023	0	891399	N.D.	2.104	#
27)	Chlordane-5	0.000	5.926	0	1955025	N.D.	12.764	#

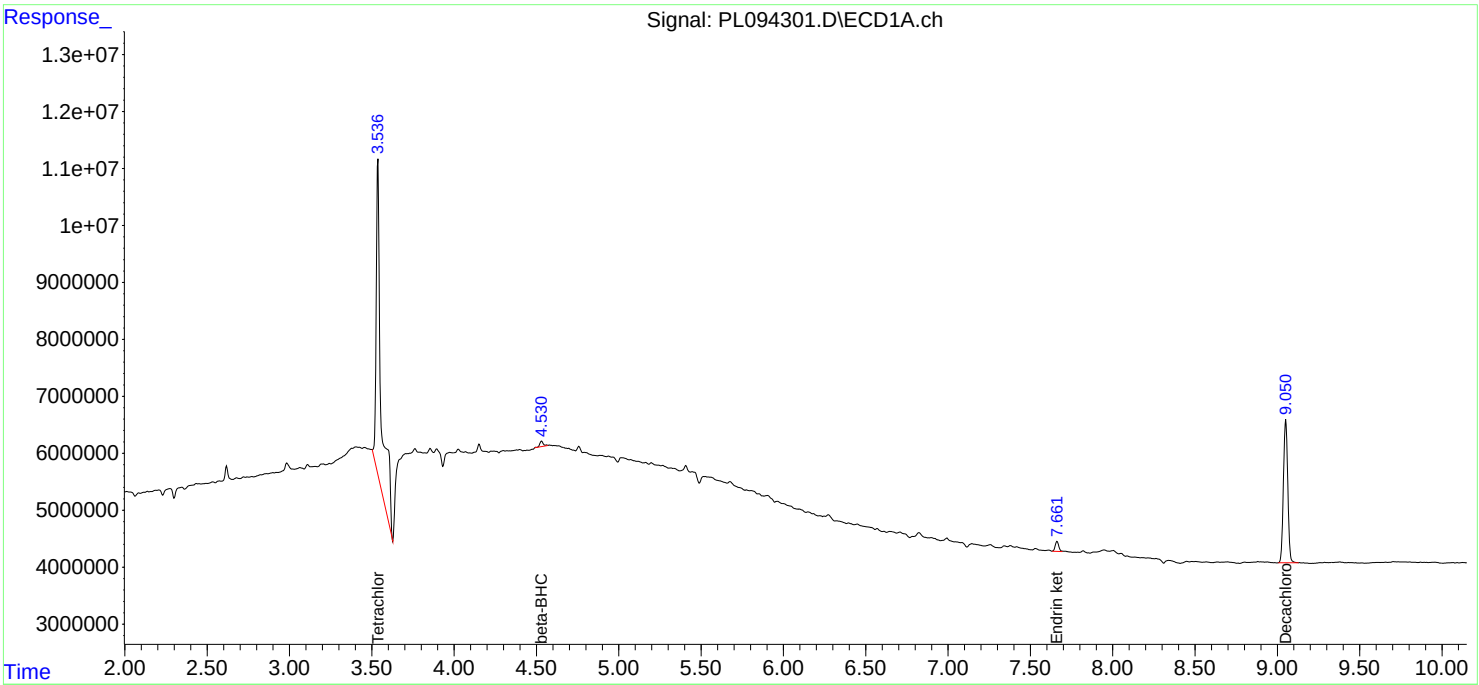
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

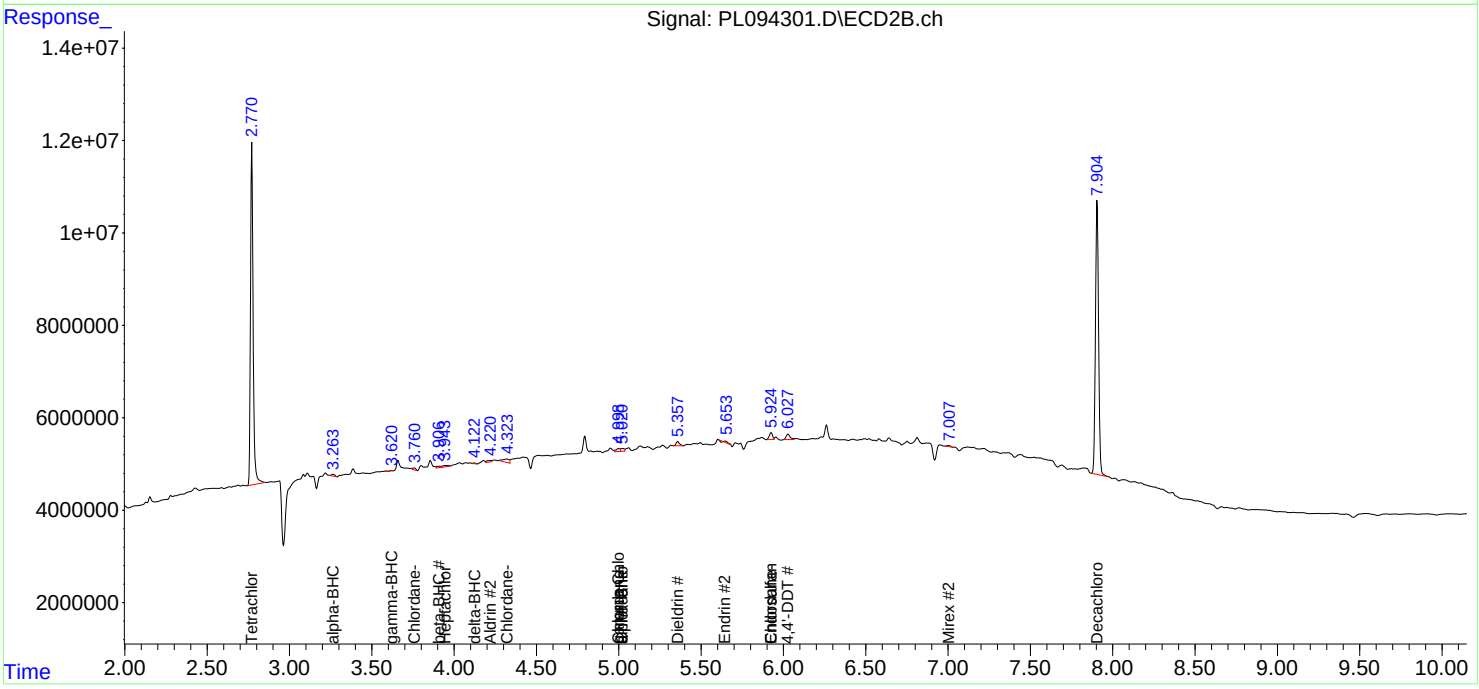
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094301.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 12:06
Operator : AR\AJ
Sample : Q1383-17
Misc :
ALS Vial : 14 Sample Multiplier: 1

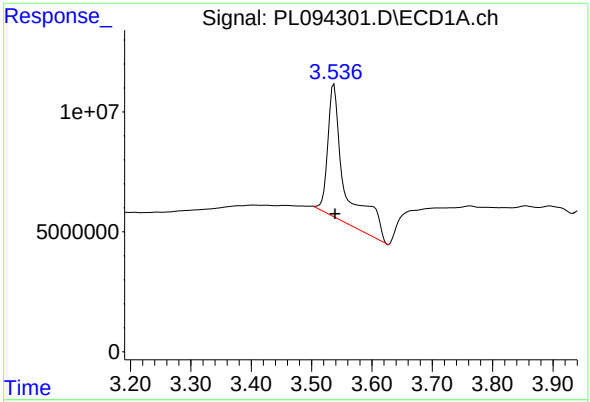
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-19-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:36:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



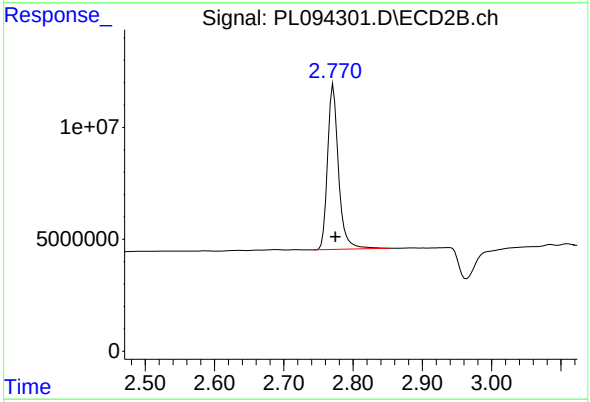




#1 Tetrachloro-m-xylene

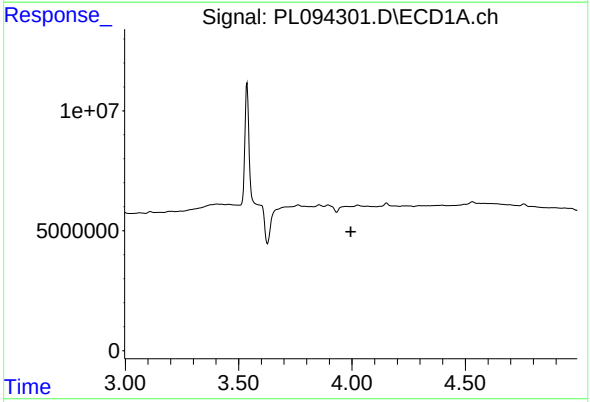
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 111789466
Conc: 41.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-19-021725



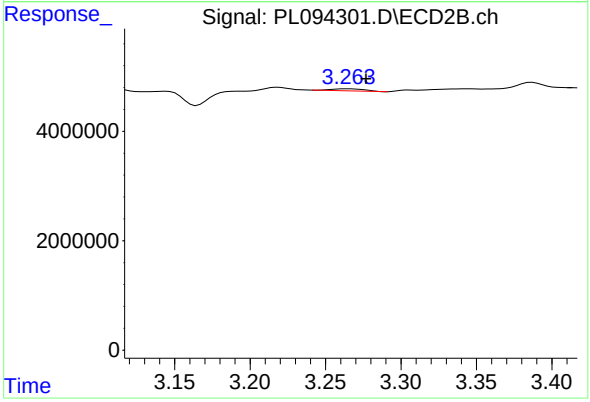
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 81070341
Conc: 24.84 ng/ml



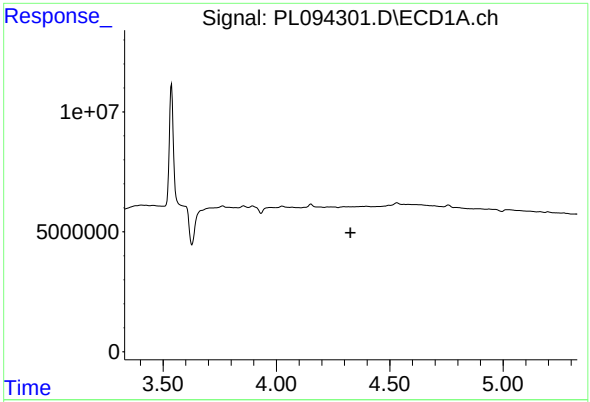
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.995 min
Response: 0
Conc: N.D.



#2 alpha-BHC

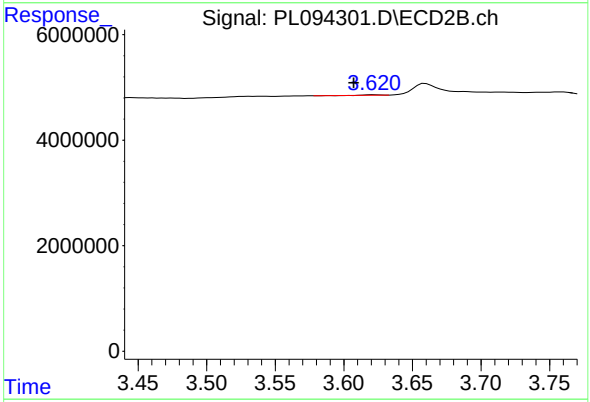
R.T.: 3.265 min
Delta R.T.: -0.012 min
Response: 579143
Conc: 0.12 ng/ml



#3 gamma-BHC (Lindane)

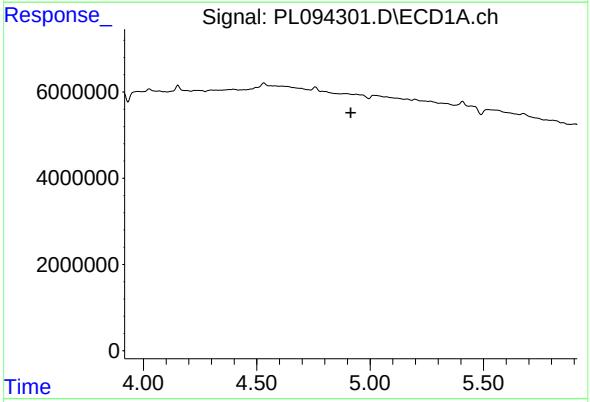
R.T.: 0.000 min
Exp R.T. : 4.327 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-19-021725



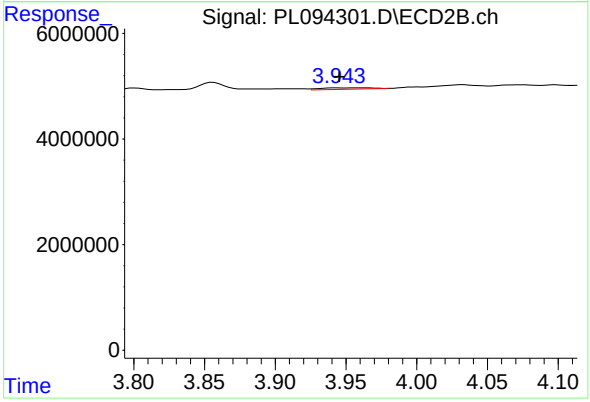
#3 gamma-BHC (Lindane)

R.T.: 3.622 min
Delta R.T.: 0.015 min
Response: 35352
Conc: 0.01 ng/ml



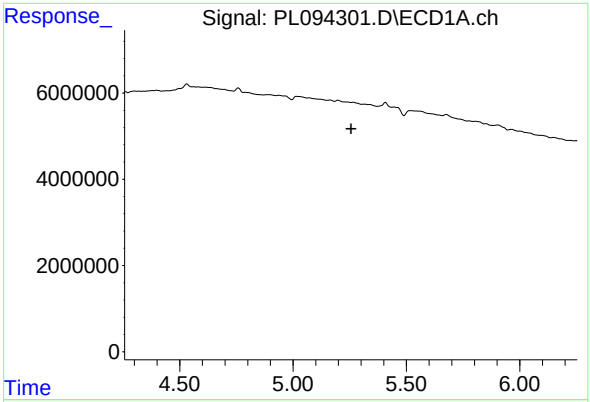
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.914 min
Response: 0
Conc: N.D.



#4 Heptachlor

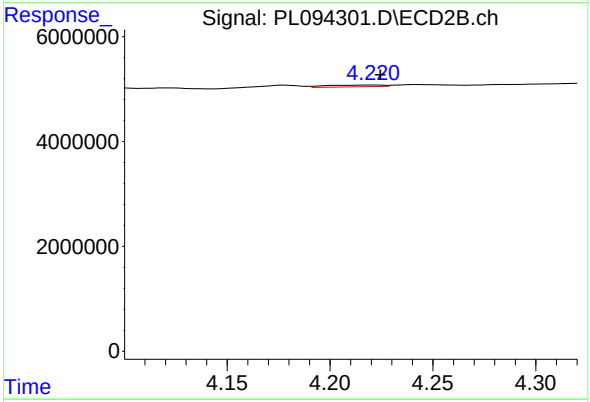
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 665469
Conc: 0.14 ng/ml



#5 Aldrin

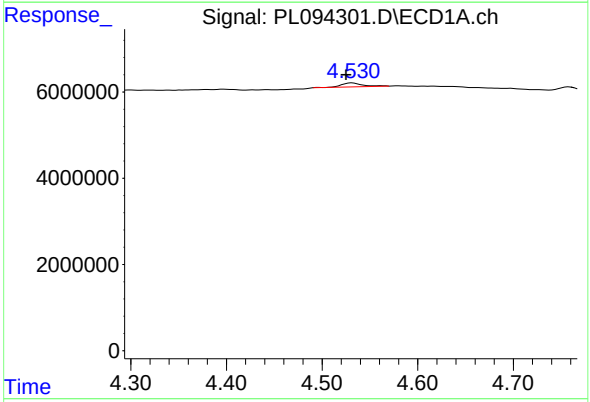
R.T.: 0.000 min
Exp R.T. : 5.256 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-19-021725



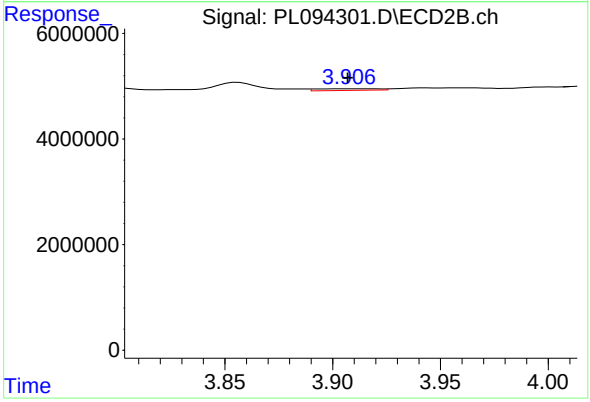
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: -0.003 min
Response: 632402
Conc: 0.14 ng/ml



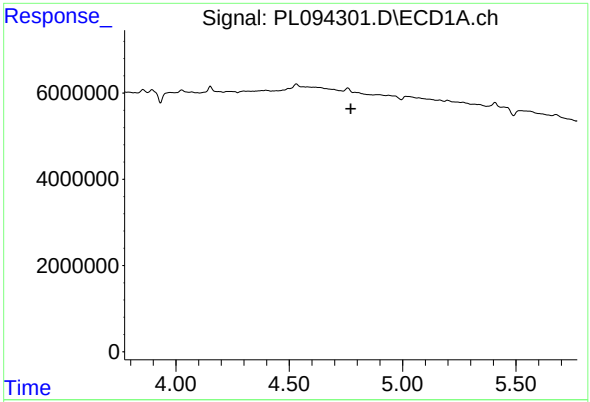
#6 beta-BHC

R.T.: 4.532 min
Delta R.T.: 0.007 min
Response: 1480733
Conc: 0.92 ng/ml



#6 beta-BHC

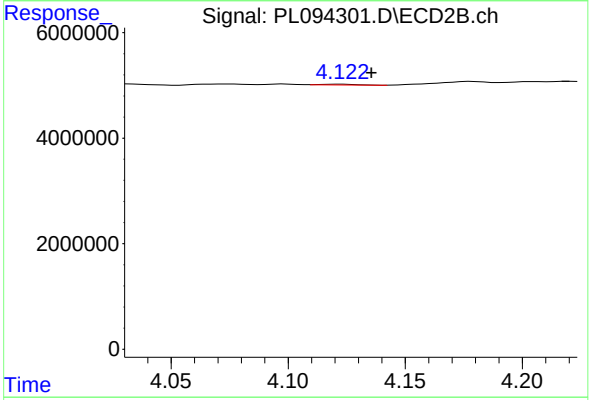
R.T.: 3.908 min
Delta R.T.: 0.000 min
Response: 626711
Conc: 0.31 ng/ml



#7 delta-BHC

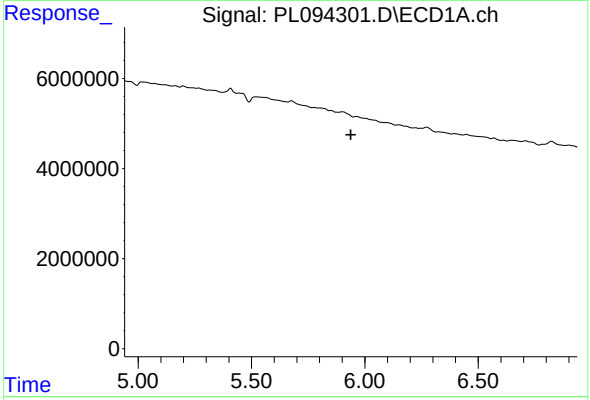
R.T.: 0.000 min
Exp R.T. : 4.772 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-19-021725



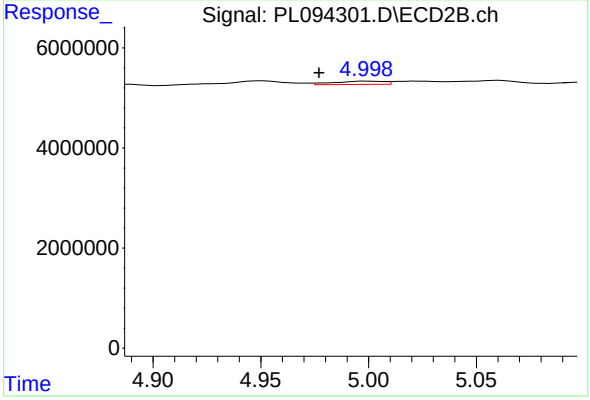
#7 delta-BHC

R.T.: 4.122 min
Delta R.T.: -0.013 min
Response: 152049
Conc: 0.03 ng/ml



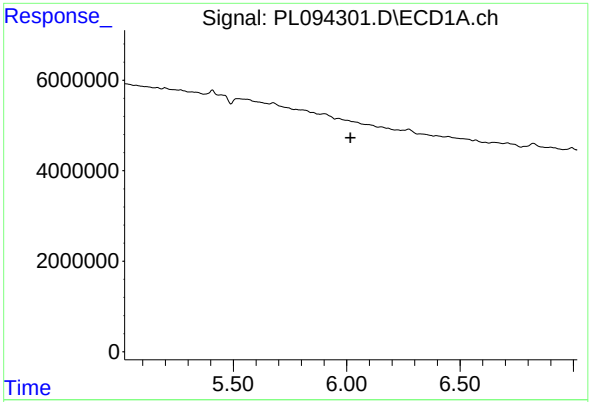
#10 gamma-Chlordane

R.T.: 0.000 min
Exp R.T. : 5.938 min
Response: 0
Conc: N.D.



#10 gamma-Chlordane

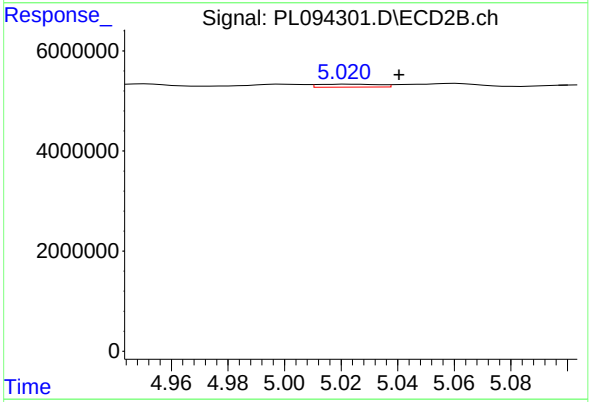
R.T.: 5.000 min
Delta R.T.: 0.023 min
Response: 1069075
Conc: 0.25 ng/ml



#11 alpha-Chlordane

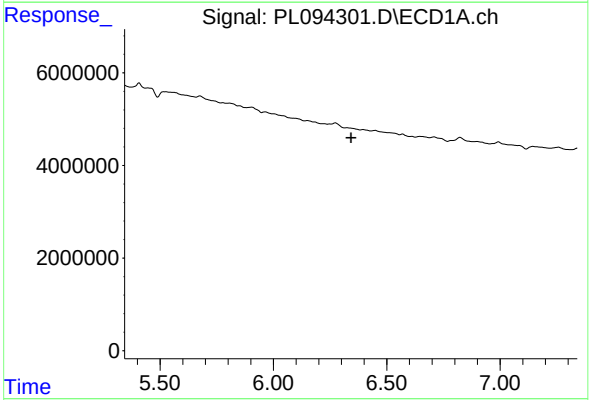
R.T.: 0.000 min
Exp R.T. : 6.017 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-19-021725



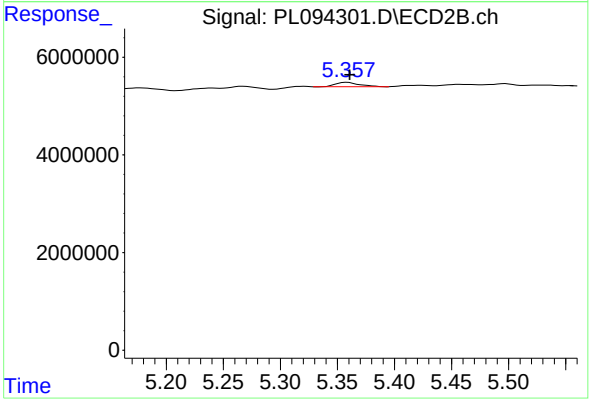
#11 alpha-Chlordane

R.T.: 5.023 min
Delta R.T.: -0.018 min
Response: 891399
Conc: 0.21 ng/ml



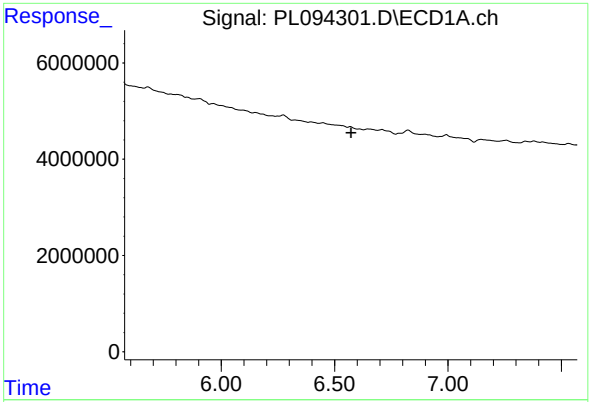
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.343 min
Response: 0
Conc: N.D.



#13 Dieldrin

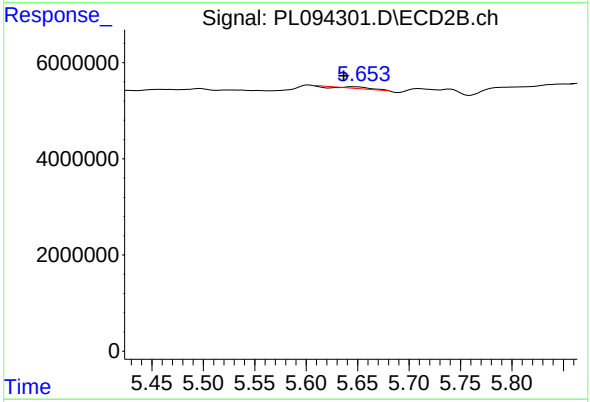
R.T.: 5.359 min
Delta R.T.: -0.002 min
Response: 1280334
Conc: 0.30 ng/ml



#14 Endrin

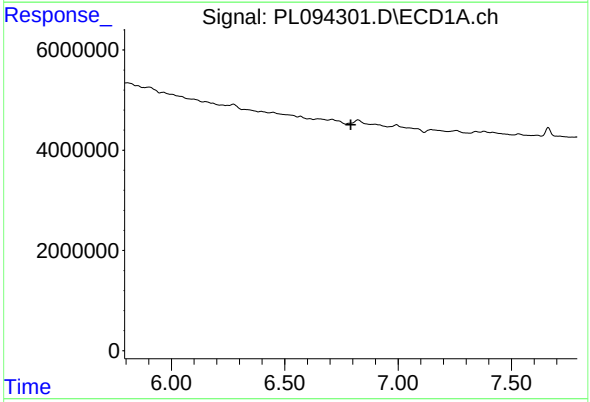
R.T.: 0.000 min
Exp R.T. : 6.572 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-19-021725



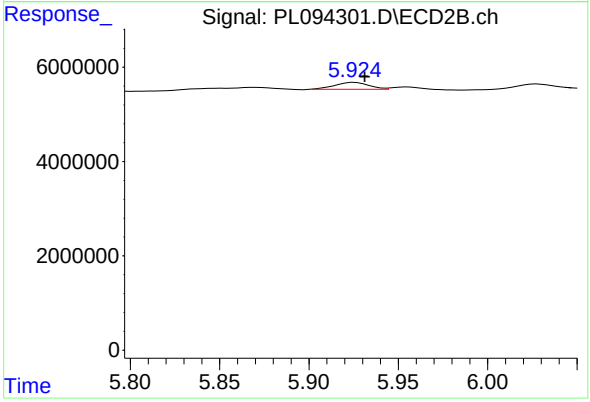
#14 Endrin

R.T.: 5.646 min
Delta R.T.: 0.010 min
Response: 129736
Conc: 0.04 ng/ml



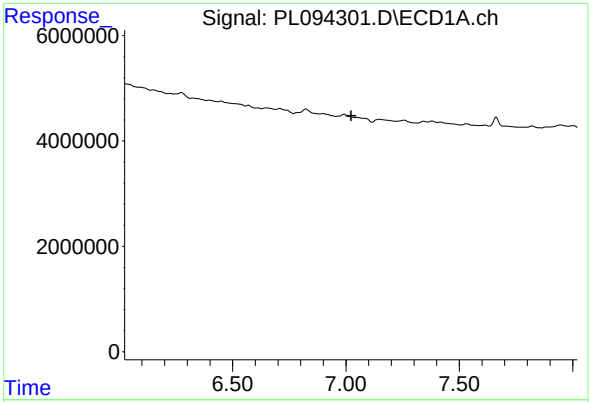
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.792 min
Response: 0
Conc: N.D.



#15 Endosulfan II

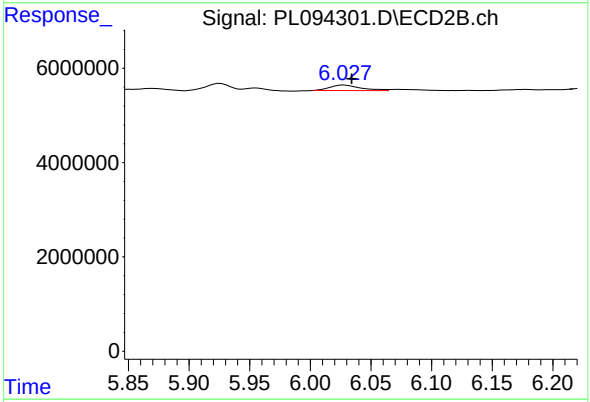
R.T.: 5.926 min
Delta R.T.: -0.006 min
Response: 1955025
Conc: 0.53 ng/ml



#17 4,4'-DDT

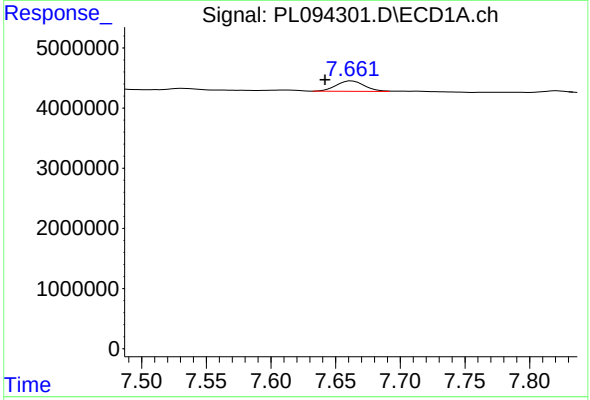
R.T.: 0.000 min
Exp R.T. : 7.022 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-19-021725



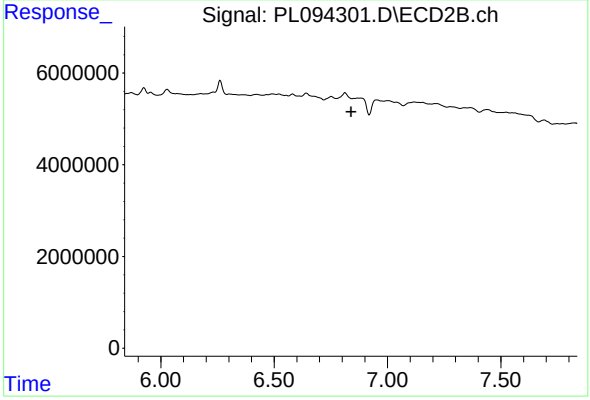
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.006 min
Response: 2072276
Conc: 0.64 ng/ml



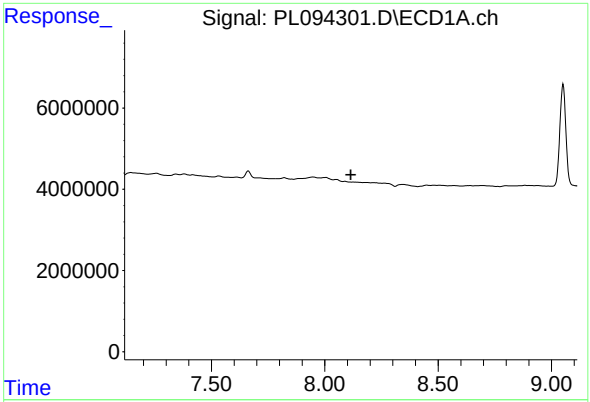
#21 Endrin ketone

R.T.: 7.662 min
Delta R.T.: 0.021 min
Response: 2632586
Conc: 1.04 ng/ml



#21 Endrin ketone

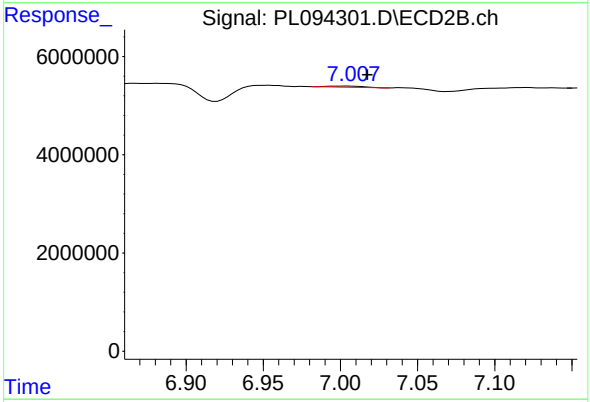
R.T.: 6.868 min
Delta R.T.: 0.029 min
Response: -642444
Conc: N.D.



#22 Mirex

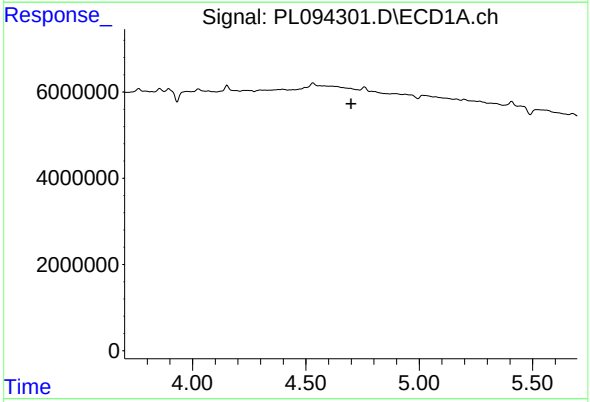
R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-19-021725



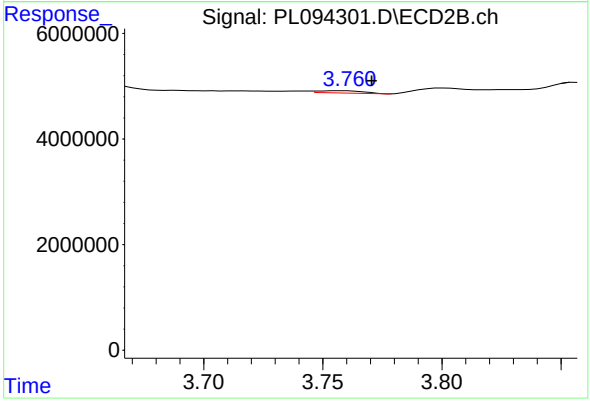
#22 Mirex

R.T.: 7.004 min
Delta R.T.: -0.014 min
Response: 369908
Conc: 0.11 ng/ml



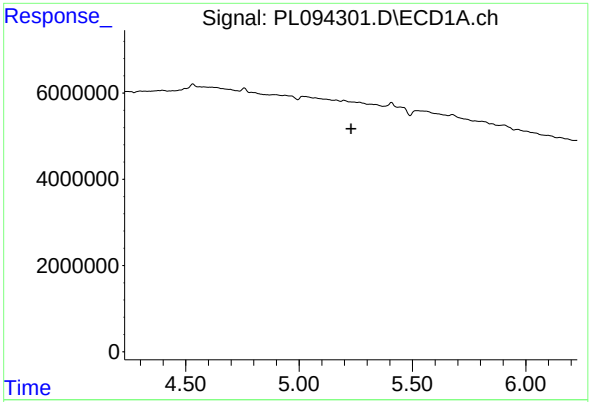
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.700 min
Response: 0
Conc: N.D.



#23 Chlordane-1

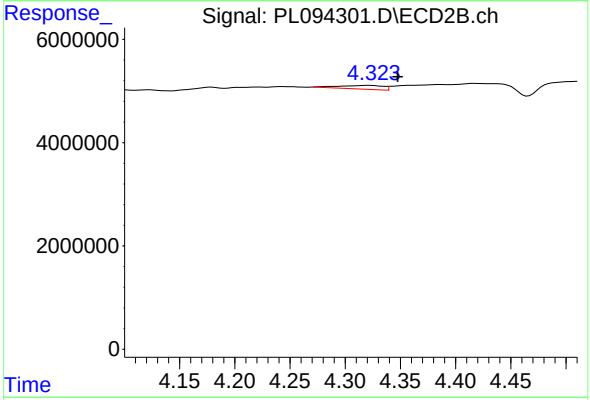
R.T.: 3.758 min
Delta R.T.: -0.013 min
Response: 554581
Conc: 4.44 ng/ml



#24 Chlordane-2

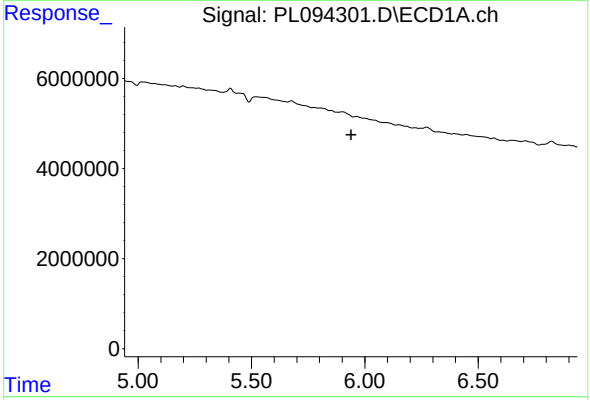
R.T.: 0.000 min
Exp R.T. : 5.229 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-19-021725



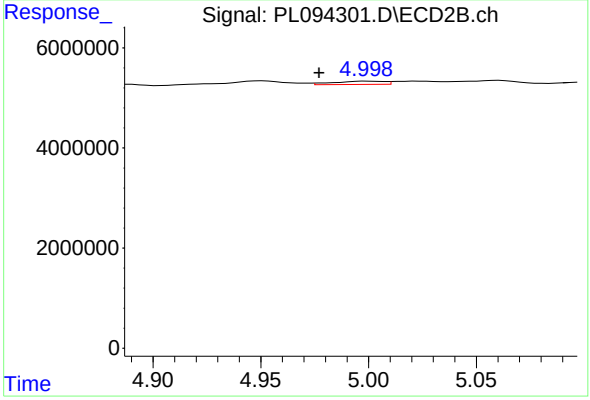
#24 Chlordane-2

R.T.: 4.322 min
Delta R.T.: -0.026 min
Response: 2013494
Conc: 13.72 ng/ml



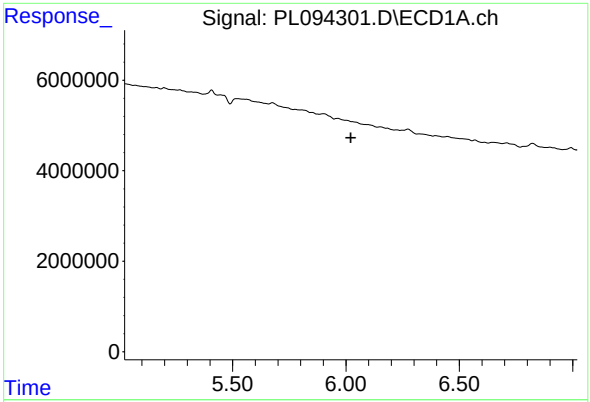
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T. : 5.939 min
Response: 0
Conc: N.D.



#25 Chlordane-3

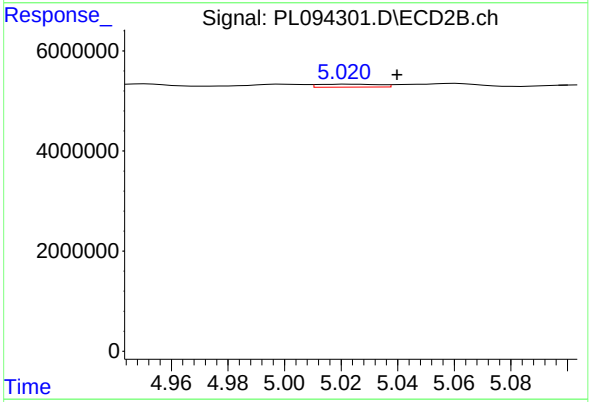
R.T.: 5.000 min
Delta R.T.: 0.023 min
Response: 1069075
Conc: 2.46 ng/ml



#26 Chlordane-4

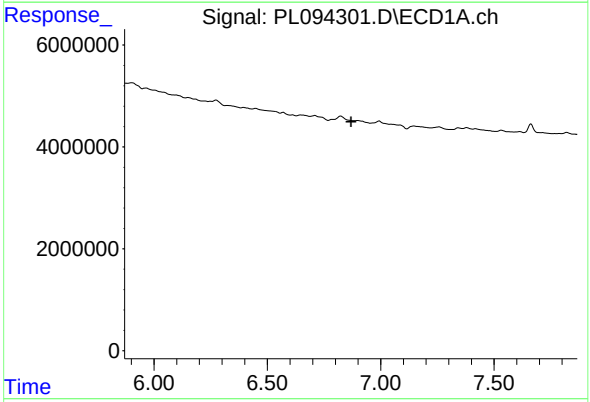
R.T.: 0.000 min
Exp R.T. : 6.021 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-19-021725



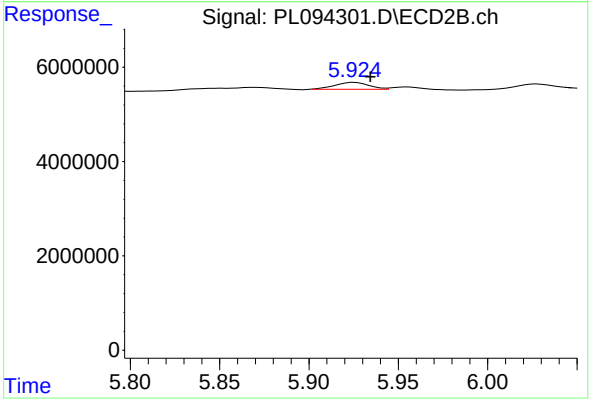
#26 Chlordane-4

R.T.: 5.023 min
Delta R.T.: -0.017 min
Response: 891399
Conc: 2.10 ng/ml



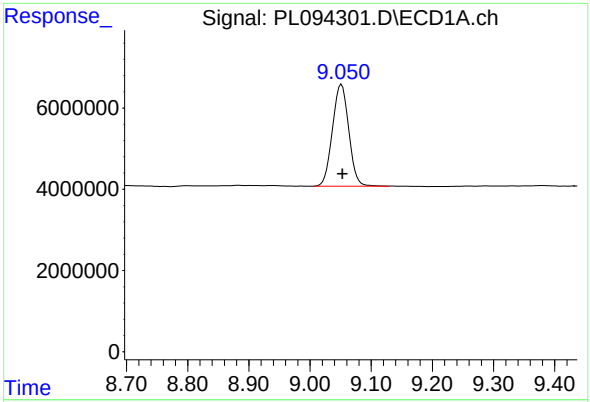
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.



#27 Chlordane-5

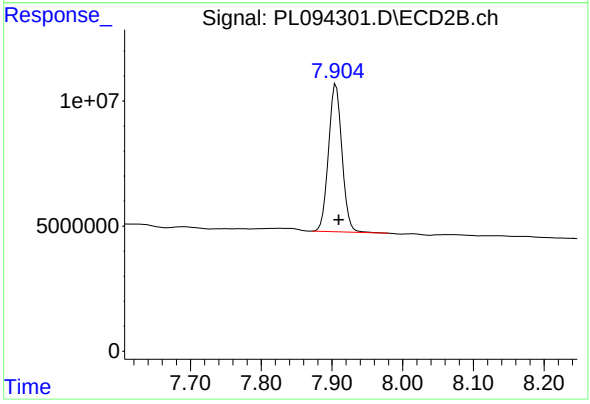
R.T.: 5.926 min
Delta R.T.: -0.009 min
Response: 1955025
Conc: 12.76 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.001 min
Response: 46450448
Conc: 22.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-19-021725



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: -0.004 min
Response: 77960964
Conc: 22.25 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094302.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 12:19
Operator : AR\AJ
Sample : Q1383-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-20-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:37:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.772	110.7E6	76142234	41.102	23.327	#
28)	SA Decachlor...	9.064	7.905	45814269	77705123	21.901	22.176	
	Target Compounds							
2)	A alpha-BHC	0.000	3.268	0	577021	N.D.	0.118	#
3)	MA gamma-BHC...	0.000	3.622	0	151663	N.D.	0.032	#
4)	MA Heptachlor	0.000	3.944	0	441754	N.D.	0.095	#
5)	MB Aldrin	0.000	4.242f	0	934421	N.D.	0.205	#
6)	B beta-BHC	4.545f	3.899	612607	450703	0.381	0.226	#
7)	B delta-BHC	0.000	4.110f	0	399104	N.D.	0.084	#
8)	B Heptachlo...	0.000	4.716	0	131924	N.D.	0.032	#
10)	B gamma-Chl...	0.000	5.002f	0	681709	N.D.	0.161	#
11)	B alpha-Chl...	0.000	5.027	0	498172	N.D.	0.119	#
13)	MA Dieldrin	0.000	5.358	0	1115818	N.D.	0.260	#
14)	MA Endrin	0.000	5.638	0	49443	N.D.	0.013	#
15)	B Endosulfa...	0.000	5.915f	0	270843	N.D.	0.073	#
17)	MA 4,4'-DDT	0.000	6.028	0	1716795	N.D.	0.528	#
18)	B Endrin al...	0.000	6.104	0	60634	N.D.	0.020	#
19)	B Endosulfa...	0.000	6.333	0	11088	N.D.	0.003	#
20)	A Methoxychlor	0.000	6.580f	0	254488	N.D.	0.142	#
21)	B Endrin ke...	0.000	6.813f	0	570191	N.D.	0.136	#
22)	Mirex	0.000	7.010	0	842815	N.D.	0.249	#
23)	Chlordane-1	0.000	3.759	0	982602	N.D.	7.874	#
24)	Chlordane-2	0.000	4.367f	0	1858376	N.D.	12.666	#
25)	Chlordane-3	0.000	5.002f	0	681709	N.D.	1.568	#
26)	Chlordane-4	0.000	5.027	0	498172	N.D.	1.176	#
27)	Chlordane-5	0.000	5.915f	0	270843	N.D.	1.768	#

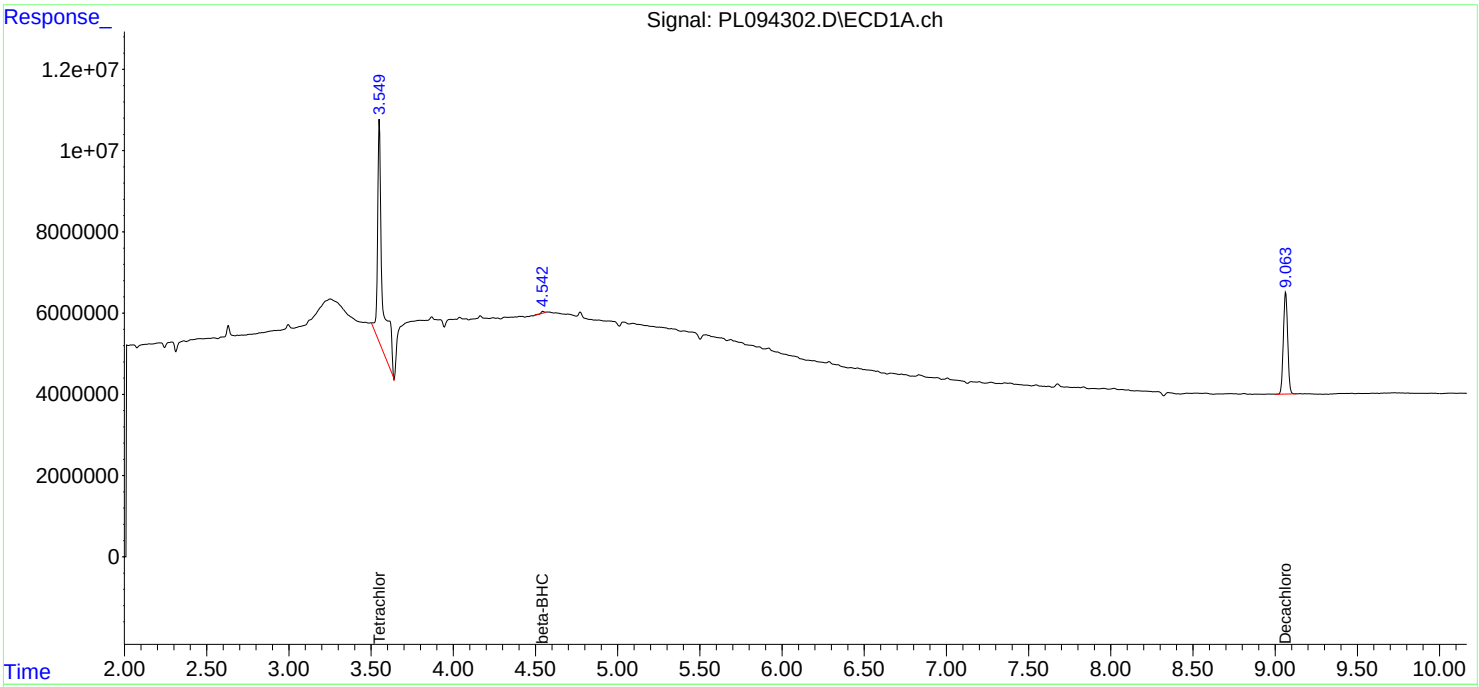
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

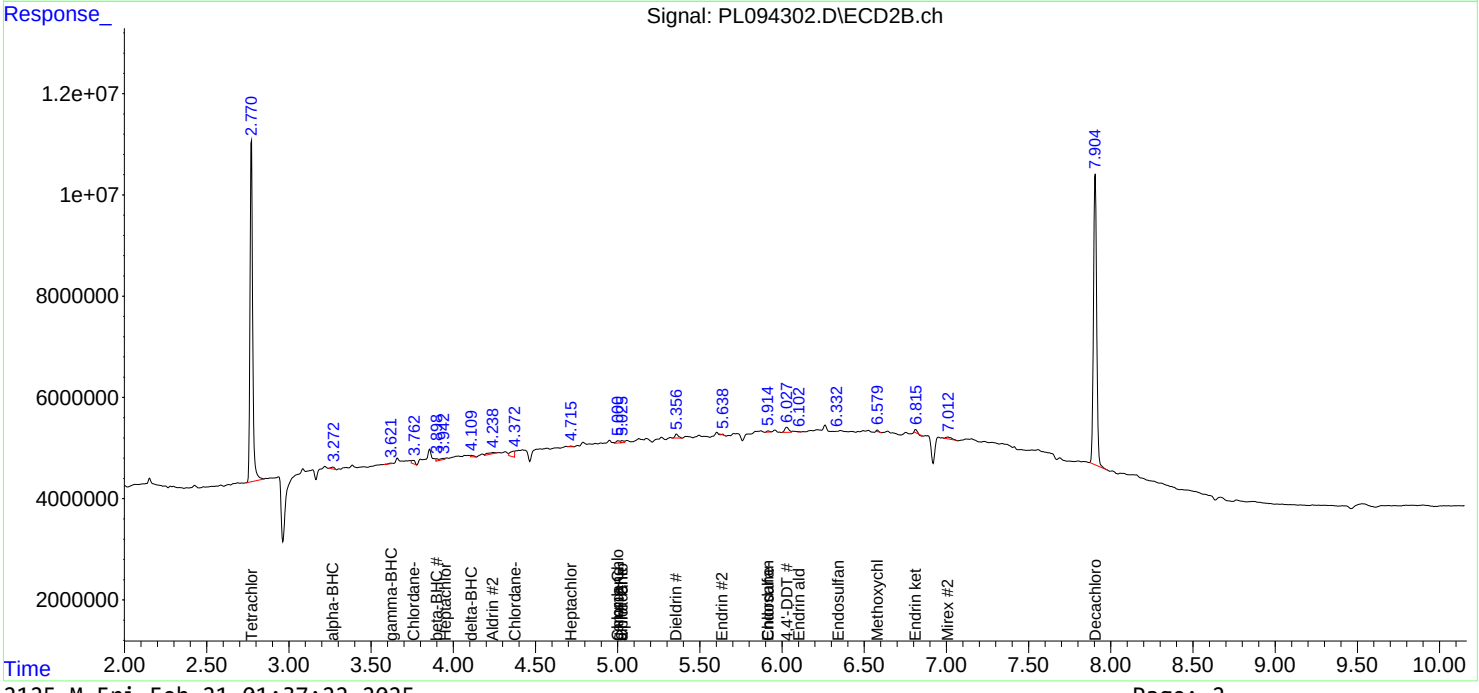
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094302.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 12:19
Operator : AR\AJ
Sample : Q1383-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

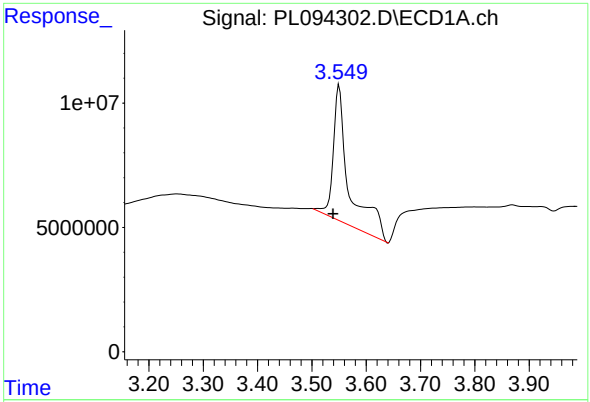
Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-20-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:37:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



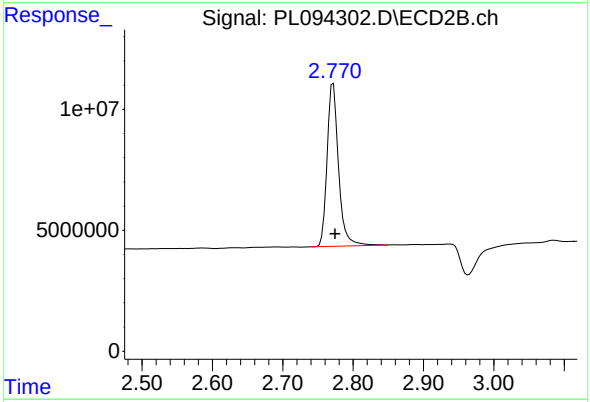




#1 Tetrachloro-m-xylene

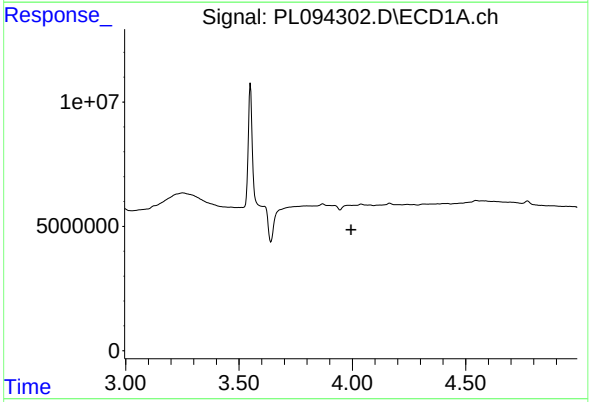
R.T.: 3.550 min
Delta R.T.: 0.011 min
Response: 110677317
Conc: 41.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-20-021725



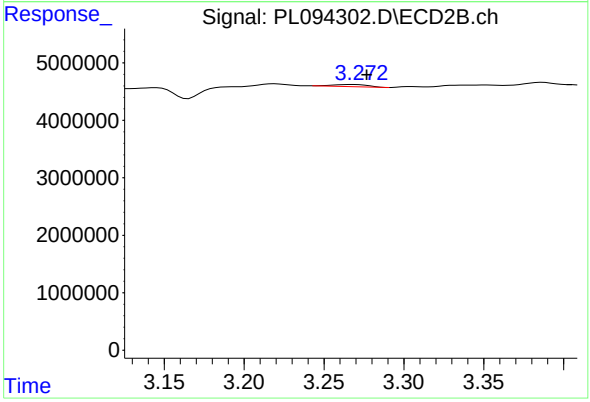
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 76142234
Conc: 23.33 ng/ml



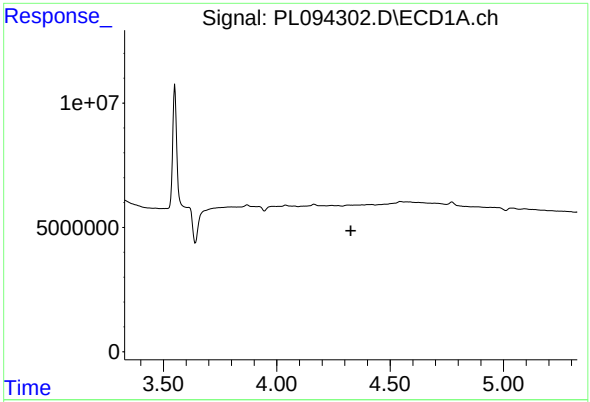
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.995 min
Response: 0
Conc: N.D.



#2 alpha-BHC

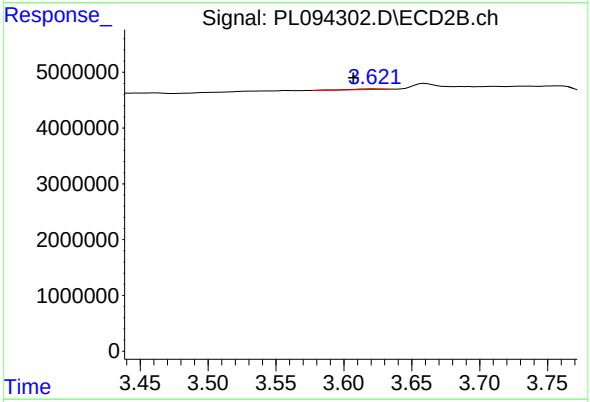
R.T.: 3.268 min
Delta R.T.: -0.009 min
Response: 577021
Conc: 0.12 ng/ml



#3 gamma-BHC (Lindane)

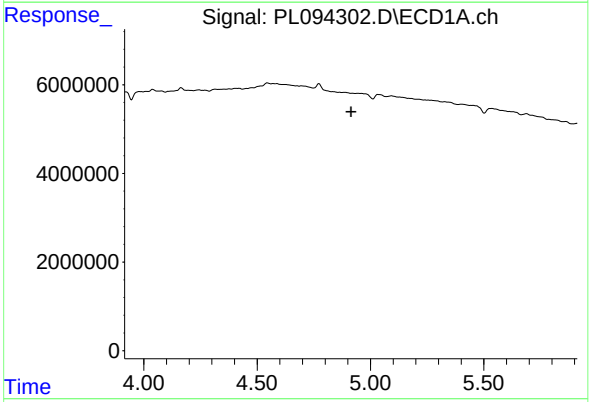
R.T.: 0.000 min
Exp R.T. : 4.327 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-20-021725



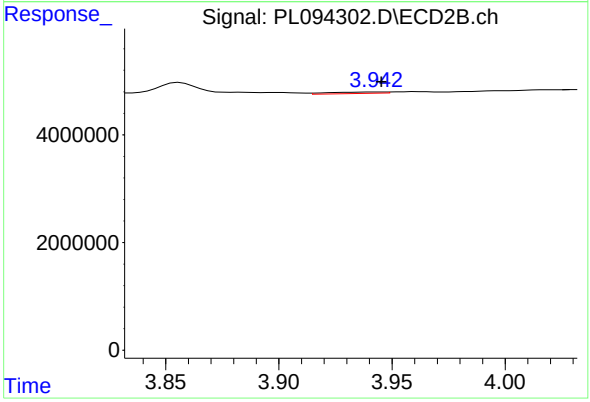
#3 gamma-BHC (Lindane)

R.T.: 3.622 min
Delta R.T.: 0.015 min
Response: 151663
Conc: 0.03 ng/ml



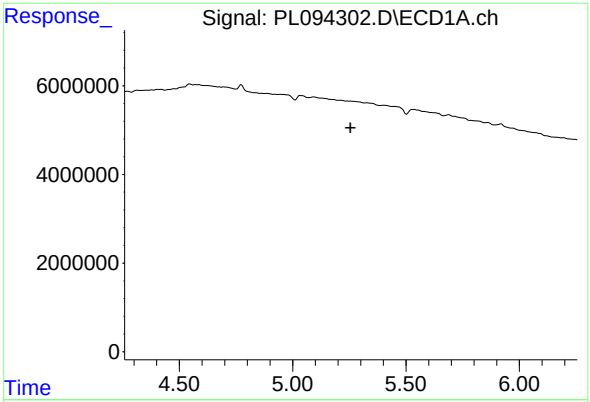
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.914 min
Response: 0
Conc: N.D.



#4 Heptachlor

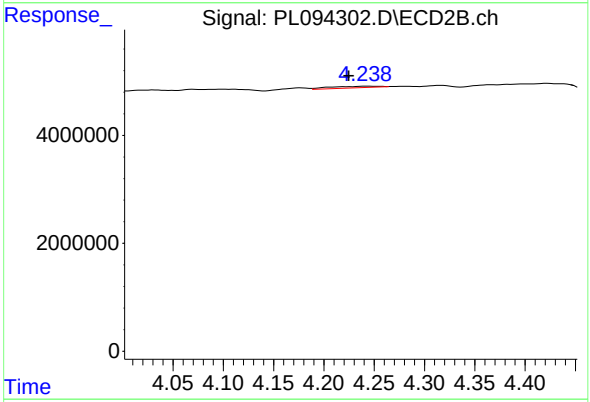
R.T.: 3.944 min
Delta R.T.: -0.001 min
Response: 441754
Conc: 0.09 ng/ml



#5 Aldrin

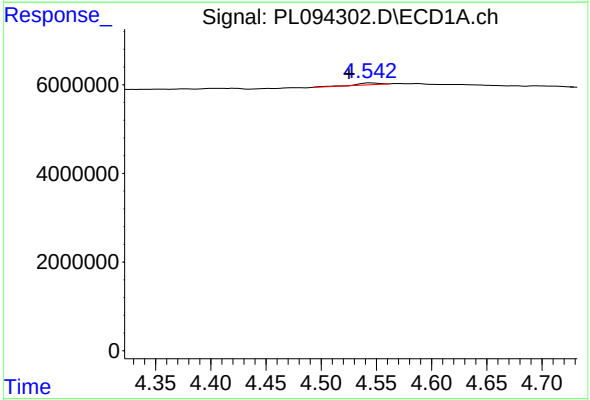
R.T.: 0.000 min
Exp R.T. : 5.256 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-20-021725



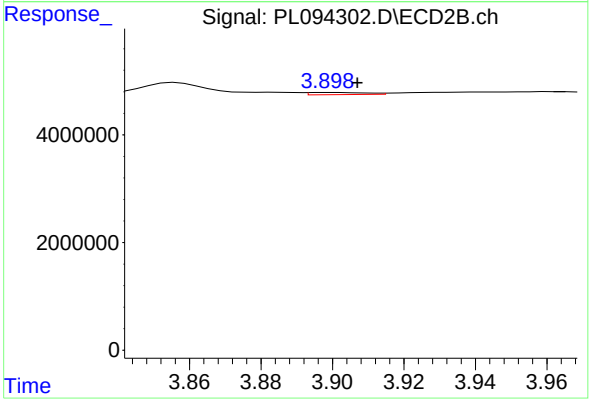
#5 Aldrin

R.T.: 4.242 min
Delta R.T.: 0.018 min
Response: 934421
Conc: 0.20 ng/ml



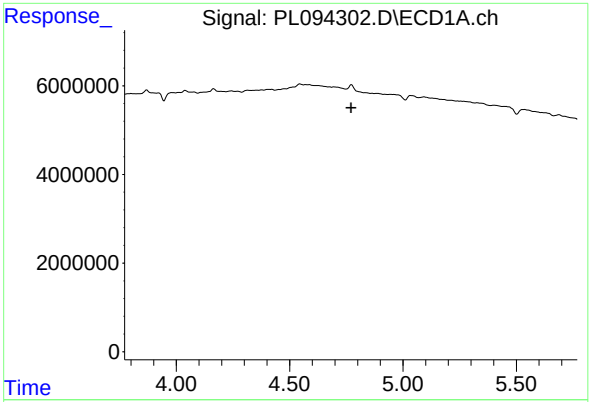
#6 beta-BHC

R.T.: 4.545 min
Delta R.T.: 0.020 min
Response: 612607
Conc: 0.38 ng/ml



#6 beta-BHC

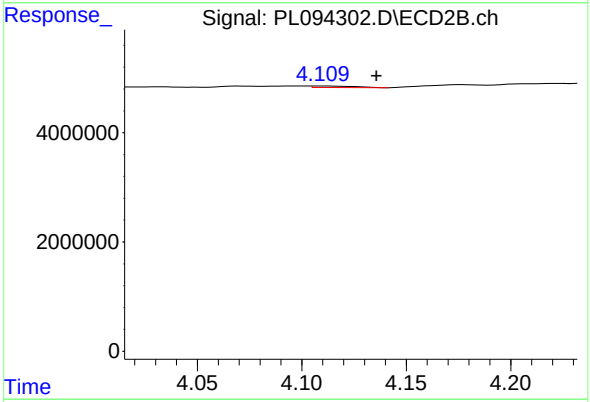
R.T.: 3.899 min
Delta R.T.: -0.008 min
Response: 450703
Conc: 0.23 ng/ml



#7 delta-BHC

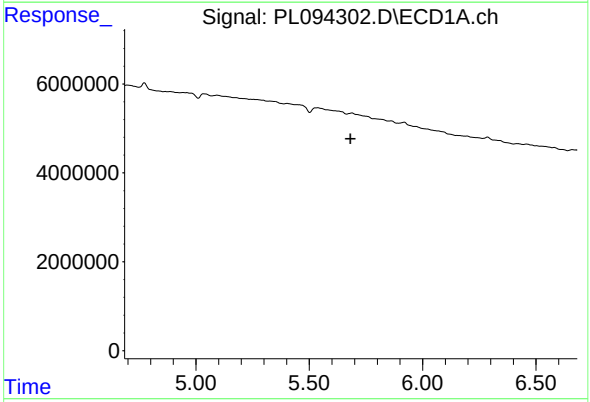
R.T.: 0.000 min
Exp R.T. : 4.772 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-20-021725



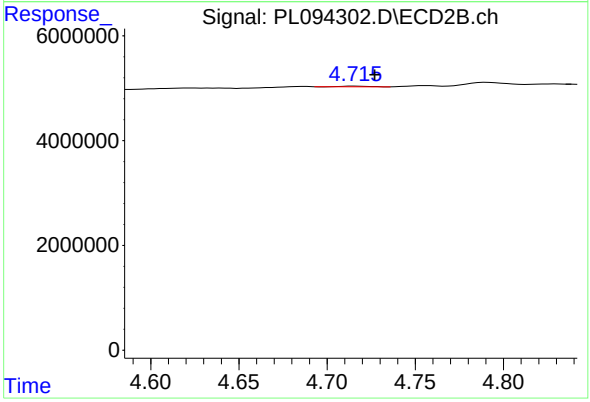
#7 delta-BHC

R.T.: 4.110 min
Delta R.T.: -0.026 min
Response: 399104
Conc: 0.08 ng/ml



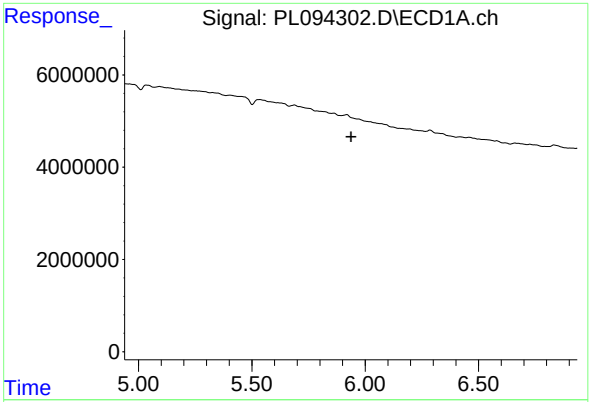
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 5.682 min
Response: 0
Conc: N.D.



#8 Heptachlor epoxide

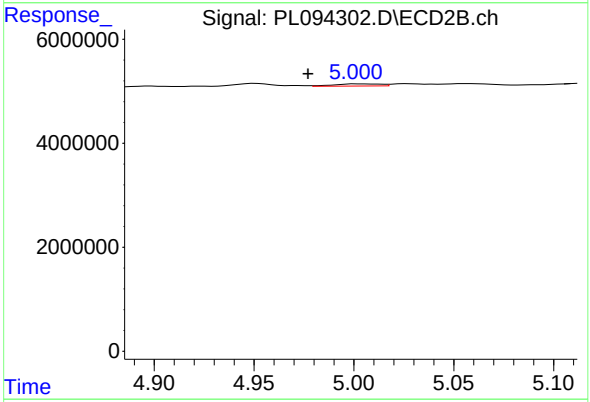
R.T.: 4.716 min
Delta R.T.: -0.011 min
Response: 131924
Conc: 0.03 ng/ml



#10 gamma-Chlordane

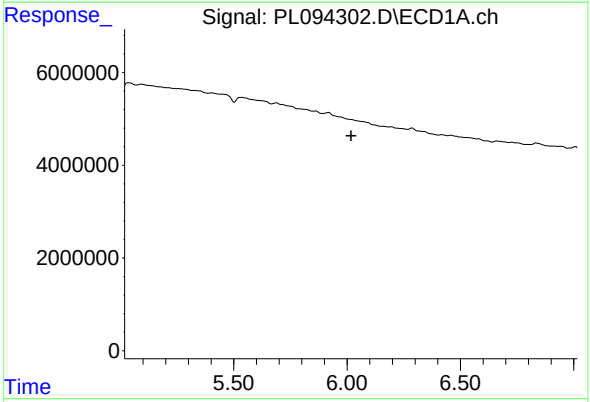
R.T.: 0.000 min
Exp R.T. : 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-20-021725



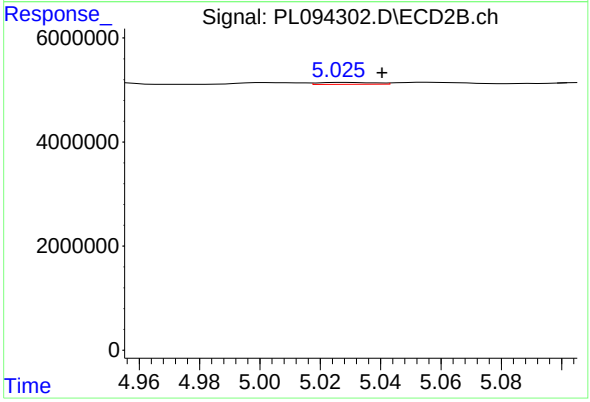
#10 gamma-Chlordane

R.T.: 5.002 min
Delta R.T.: 0.025 min
Response: 681709
Conc: 0.16 ng/ml



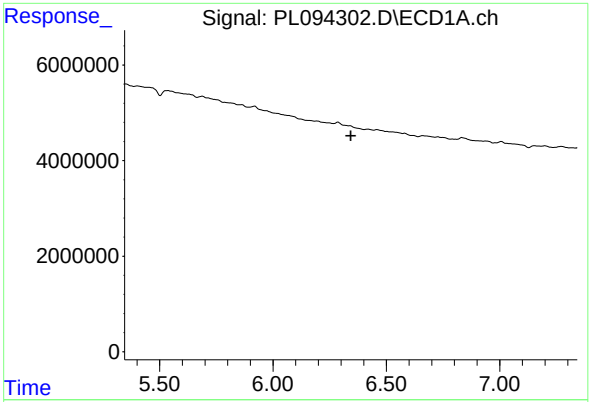
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T. : 6.017 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

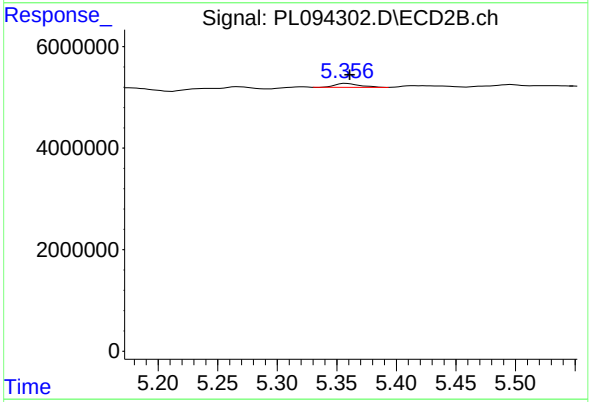
R.T.: 5.027 min
Delta R.T.: -0.013 min
Response: 498172
Conc: 0.12 ng/ml



#13 Dieldrin

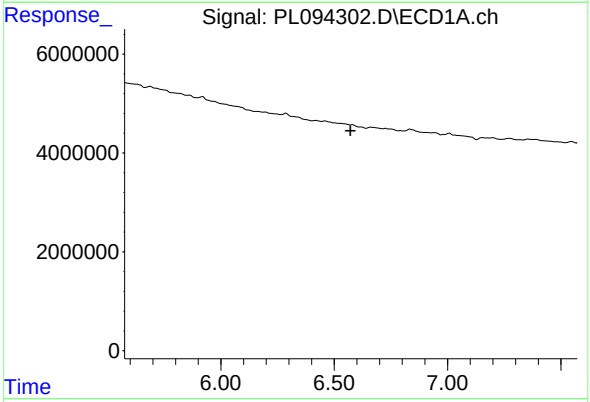
R.T.: 0.000 min
Exp R.T. : 6.343 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-20-021725



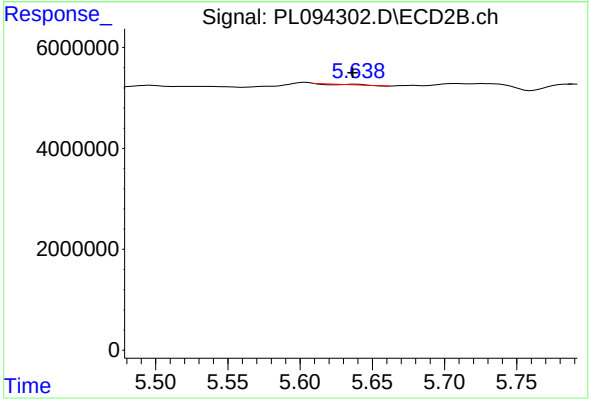
#13 Dieldrin

R.T.: 5.358 min
Delta R.T.: -0.003 min
Response: 1115818
Conc: 0.26 ng/ml



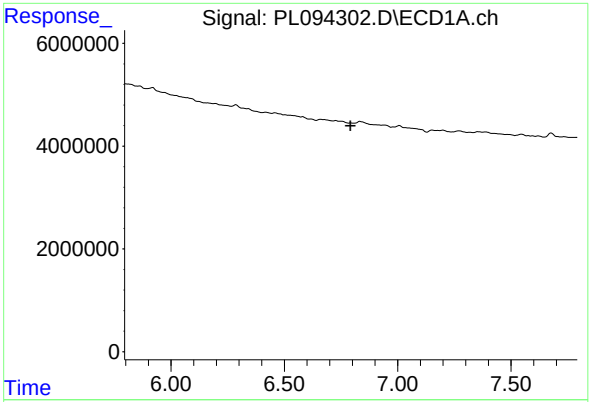
#14 Endrin

R.T.: 0.000 min
Exp R.T. : 6.572 min
Response: 0
Conc: N.D.



#14 Endrin

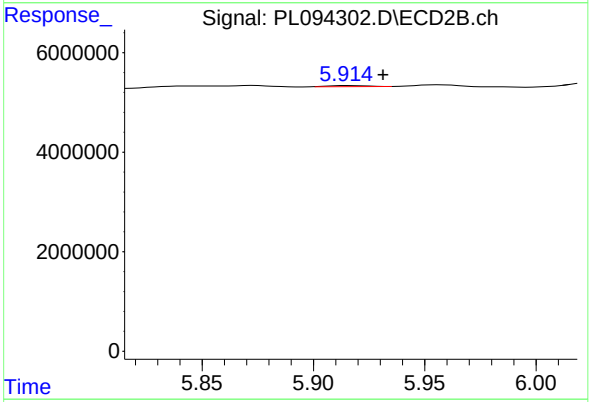
R.T.: 5.638 min
Delta R.T.: 0.002 min
Response: 49443
Conc: 0.01 ng/ml



#15 Endosulfan II

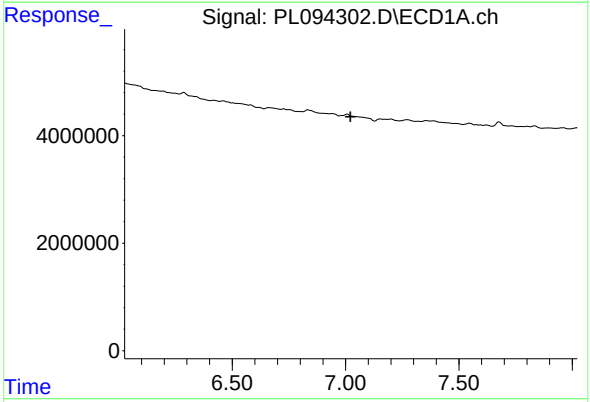
R.T.: 0.000 min
Exp R.T. : 6.792 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-20-021725



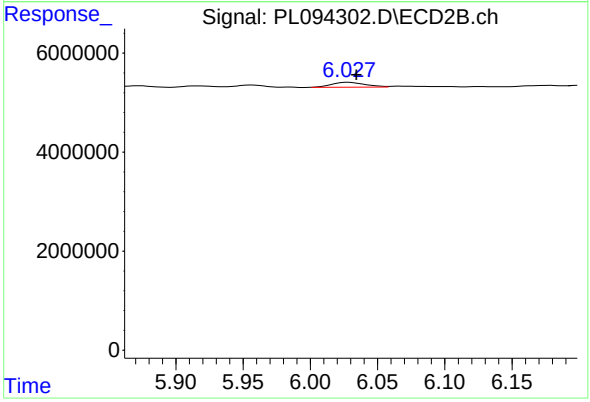
#15 Endosulfan II

R.T.: 5.915 min
Delta R.T.: -0.016 min
Response: 270843
Conc: 0.07 ng/ml



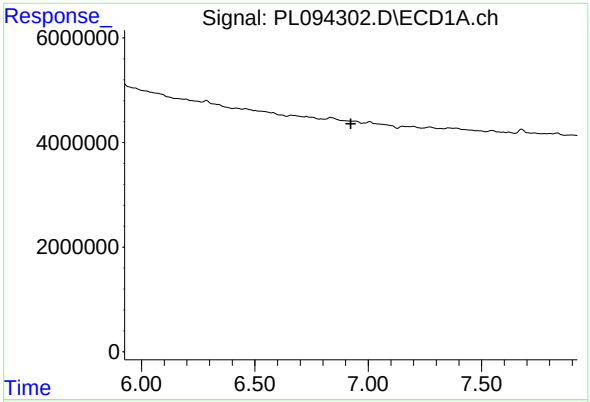
#17 4,4'-DDT

R.T.: 0.000 min
Exp R.T. : 7.022 min
Response: 0
Conc: N.D.



#17 4,4'-DDT

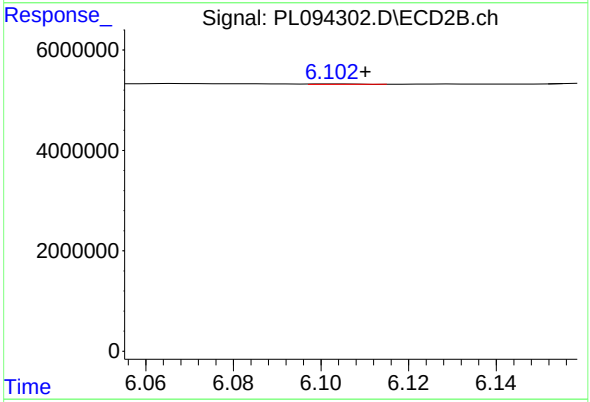
R.T.: 6.028 min
Delta R.T.: -0.006 min
Response: 1716795
Conc: 0.53 ng/ml



#18 Endrin aldehyde

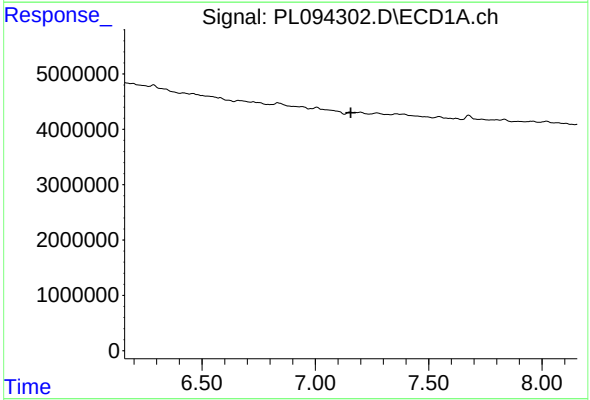
R.T.: 0.000 min
Exp R.T. : 6.923 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-20-021725



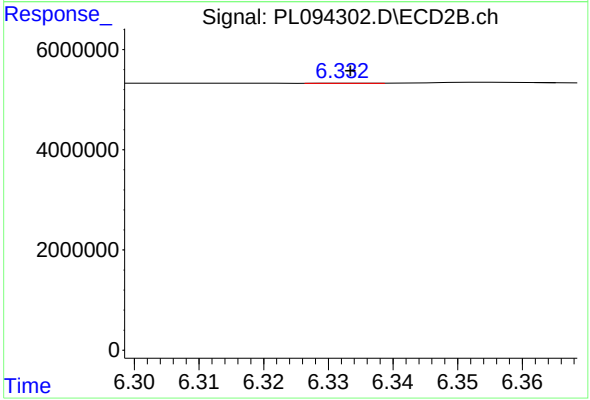
#18 Endrin aldehyde

R.T.: 6.104 min
Delta R.T.: -0.006 min
Response: 60634
Conc: 0.02 ng/ml



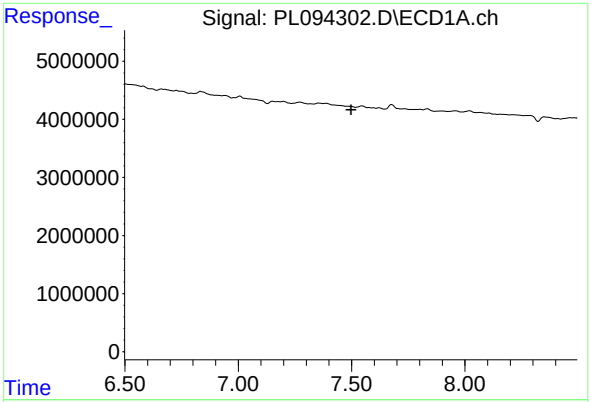
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T. : 7.157 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

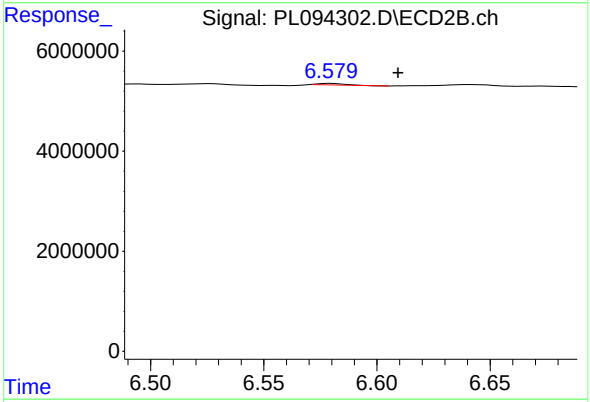
R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 11088
Conc: 0.00 ng/ml



#20 Methoxychlor

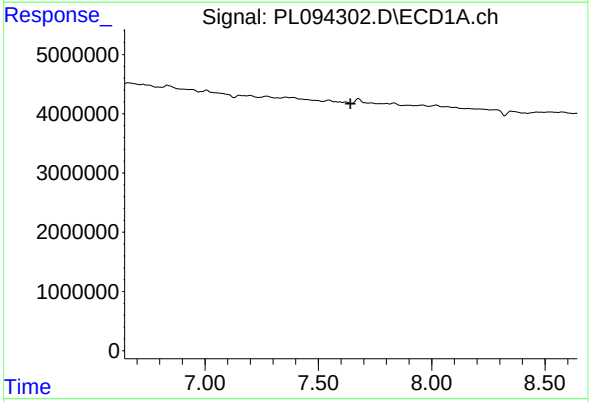
R.T.: 0.000 min
Exp R.T. : 7.498 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-20-021725



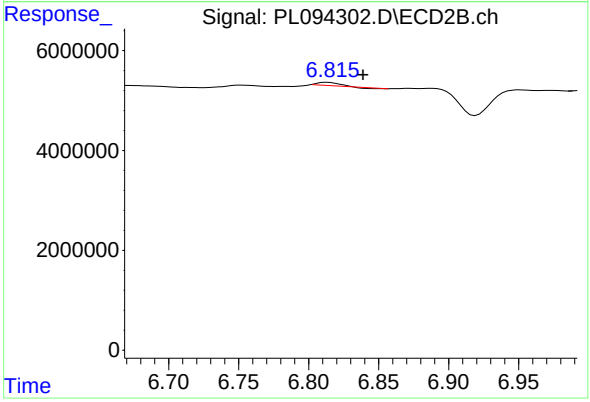
#20 Methoxychlor

R.T.: 6.580 min
Delta R.T.: -0.029 min
Response: 254488
Conc: 0.14 ng/ml



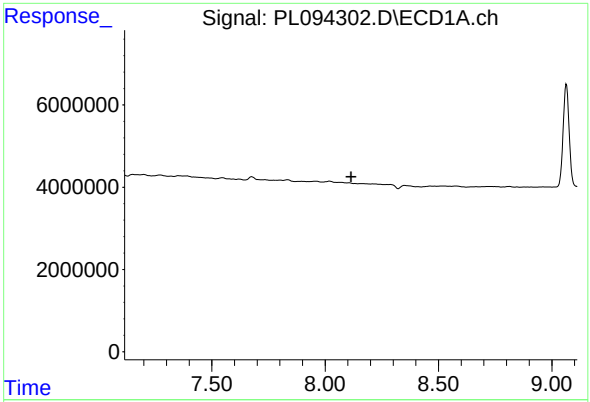
#21 Endrin ketone

R.T.: 0.000 min
Exp R.T. : 7.642 min
Response: 0
Conc: N.D.



#21 Endrin ketone

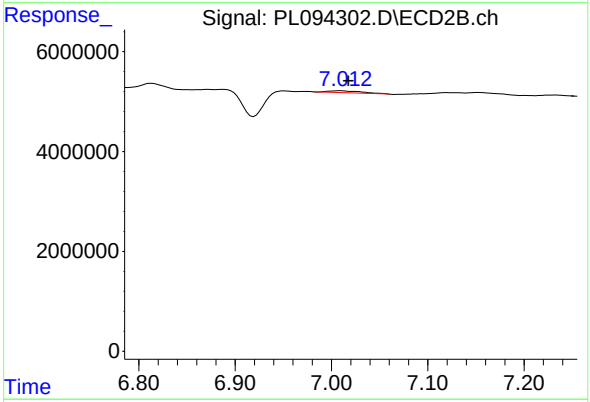
R.T.: 6.813 min
Delta R.T.: -0.026 min
Response: 570191
Conc: 0.14 ng/ml



#22 Mirex

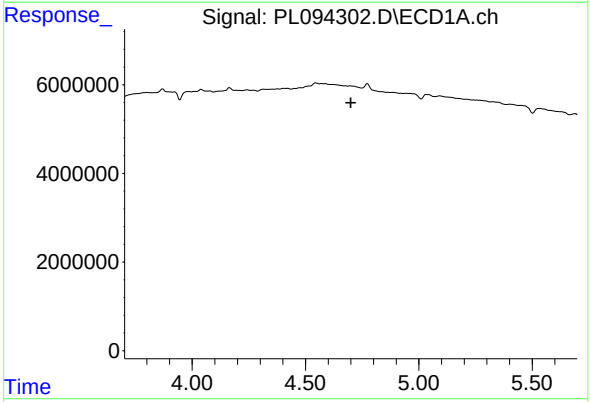
R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-20-021725



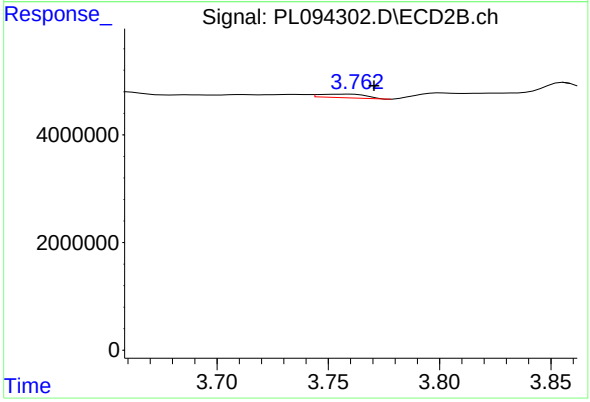
#22 Mirex

R.T.: 7.010 min
Delta R.T.: -0.008 min
Response: 842815
Conc: 0.25 ng/ml



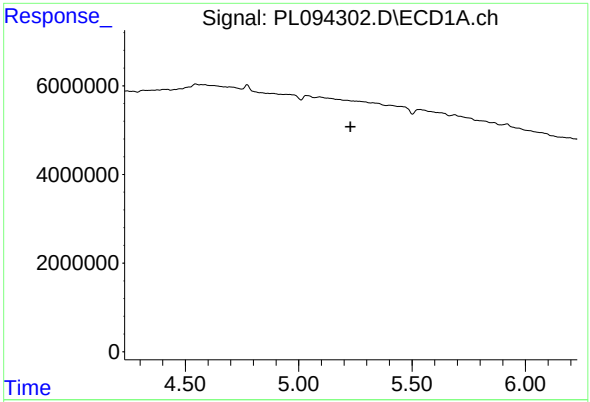
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.700 min
Response: 0
Conc: N.D.



#23 Chlordane-1

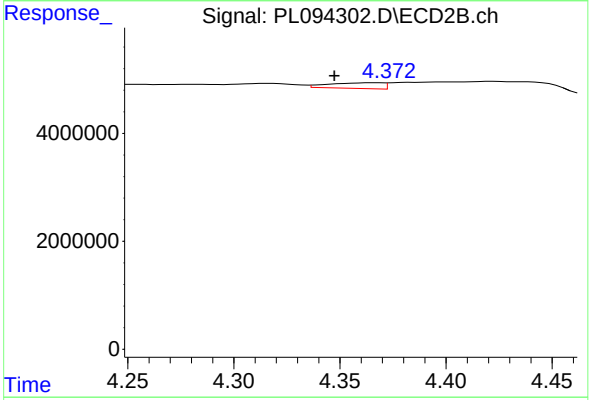
R.T.: 3.759 min
Delta R.T.: -0.012 min
Response: 982602
Conc: 7.87 ng/ml



#24 Chlordane-2

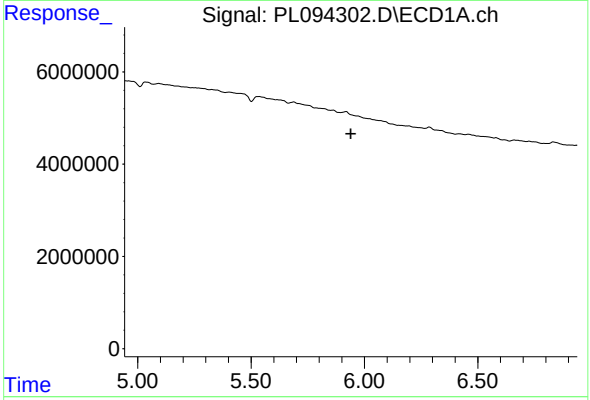
R.T.: 0.000 min
Exp R.T. : 5.229 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-20-021725



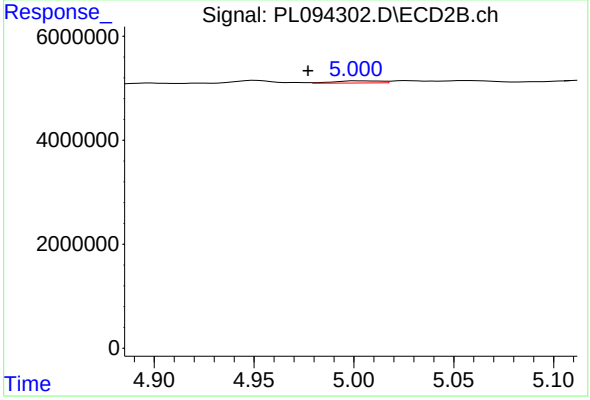
#24 Chlordane-2

R.T.: 4.367 min
Delta R.T.: 0.019 min
Response: 1858376
Conc: 12.67 ng/ml



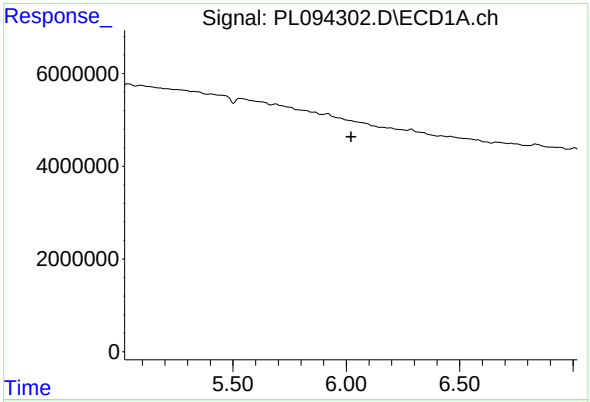
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T. : 5.939 min
Response: 0
Conc: N.D.



#25 Chlordane-3

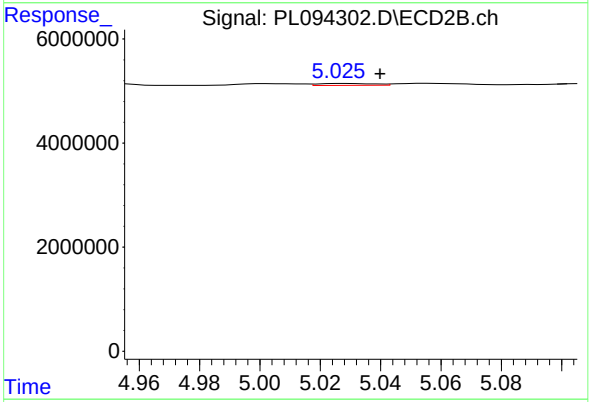
R.T.: 5.002 min
Delta R.T.: 0.025 min
Response: 681709
Conc: 1.57 ng/ml



#26 Chlordane-4

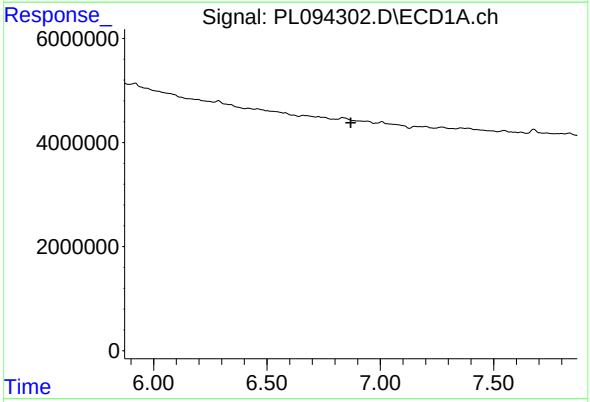
R.T.: 0.000 min
Exp R.T. : 6.021 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-20-021725



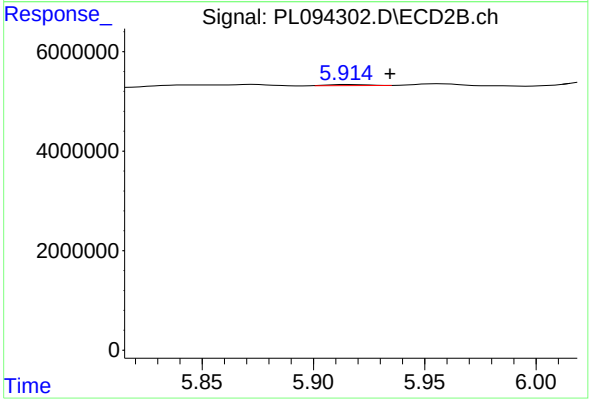
#26 Chlordane-4

R.T.: 5.027 min
Delta R.T.: -0.012 min
Response: 498172
Conc: 1.18 ng/ml



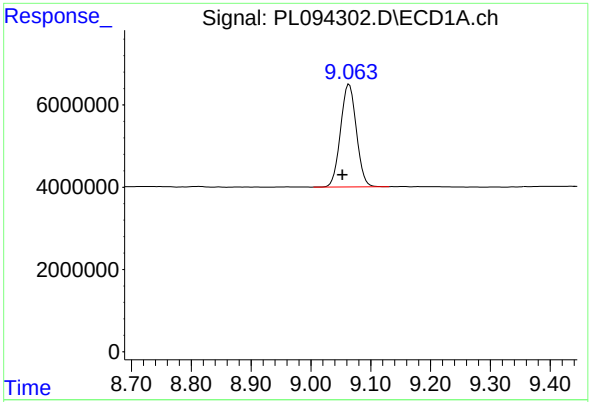
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.



#27 Chlordane-5

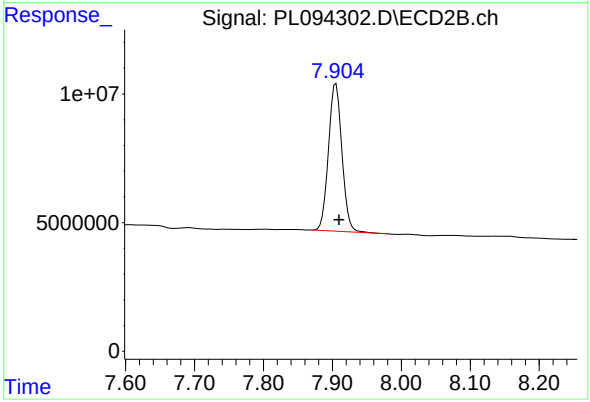
R.T.: 5.915 min
Delta R.T.: -0.019 min
Response: 270843
Conc: 1.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: 0.011 min
Response: 45814269
Conc: 21.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-PCS-TC-20-021725



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 77705123
Conc: 22.18 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094303.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 12:33
Operator : AR\AJ
Sample : Q1383-21
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-CF-15-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:37:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.772	113.4E6	81231361	42.101	24.886	#
28)	SA Decachlor...	9.050	7.905	49050903	83986659	23.448	23.968	
	Target Compounds							
2)	A alpha-BHC	0.000	3.265	0	373265	N.D.	0.076	#
4)	MA Heptachlor	0.000	3.950	0	823912	N.D.	0.177	#
5)	MB Aldrin	0.000	4.241f	0	771005	N.D.	0.169	#
6)	B beta-BHC	0.000	3.902	0	873564	N.D.	0.437	#
7)	B delta-BHC	0.000	4.121	0	550215	N.D.	0.116	#
8)	B Heptachlo...	0.000	4.712	0	84647	N.D.	0.020	#
10)	B gamma-Chl...	0.000	5.000f	0	1089958	N.D.	0.257	#
11)	B alpha-Chl...	0.000	5.023f	0	867817	N.D.	0.207	#
12)	B 4,4'-DDE	0.000	5.242	0	169585	N.D.	0.042	#
13)	MA Dieldrin	0.000	5.358	0	1970619	N.D.	0.459	#
15)	B Endosulfa...	0.000	5.917	0	475521	N.D.	0.128	#
17)	MA 4,4'-DDT	0.000	6.026	0	2853138	N.D.	0.877	#
18)	B Endrin al...	0.000	6.122	0	41637	N.D.	0.014	#
19)	B Endosulfa...	0.000	6.323	0	40678	N.D.	0.011	#
22)	Mirex	0.000	6.998f	0	1101395	N.D.	0.326	#
23)	Chlordane-1	0.000	3.753f	0	1495539	N.D.	11.984	#
24)	Chlordane-2	0.000	4.364	0	1778410	N.D.	12.121	#
25)	Chlordane-3	0.000	5.000f	0	1089958	N.D.	2.507	#
26)	Chlordane-4	0.000	5.023	0	867817	N.D.	2.048	#
27)	Chlordane-5	0.000	5.917f	0	475521	N.D.	3.105	#

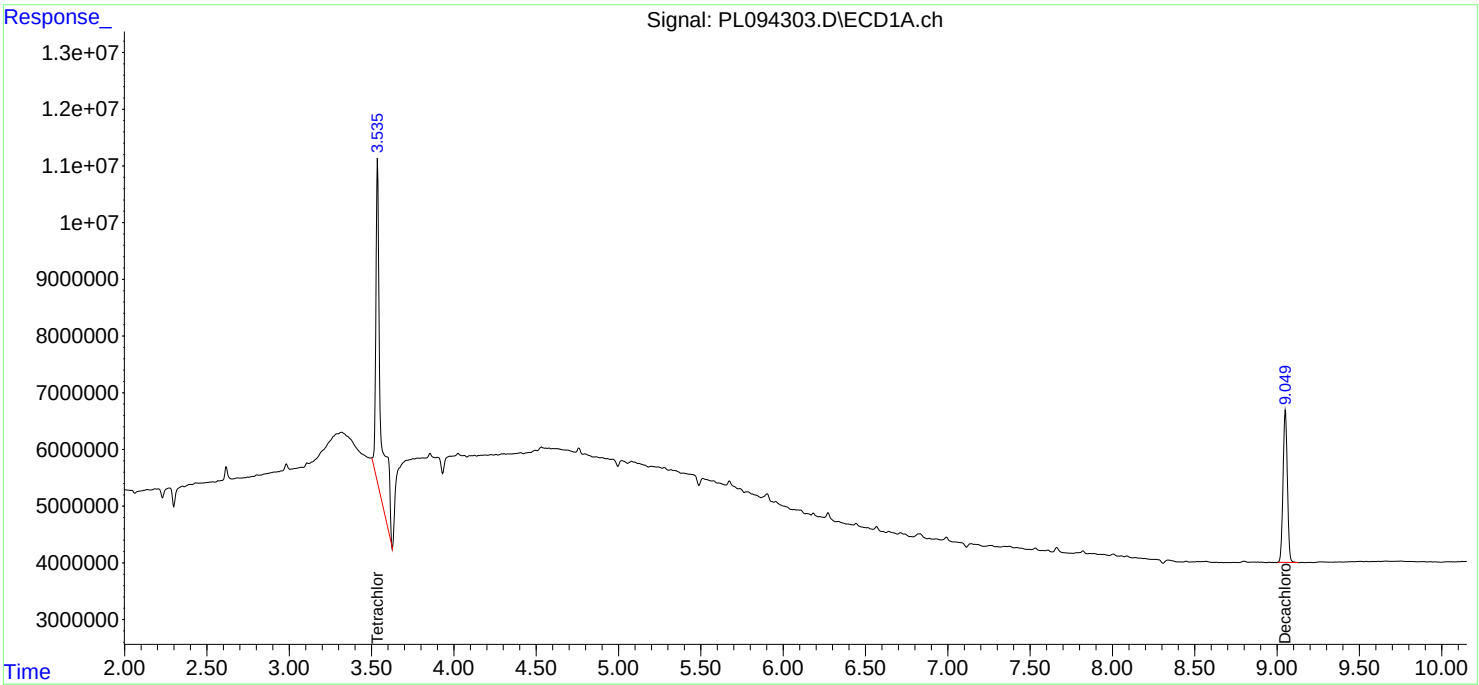
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

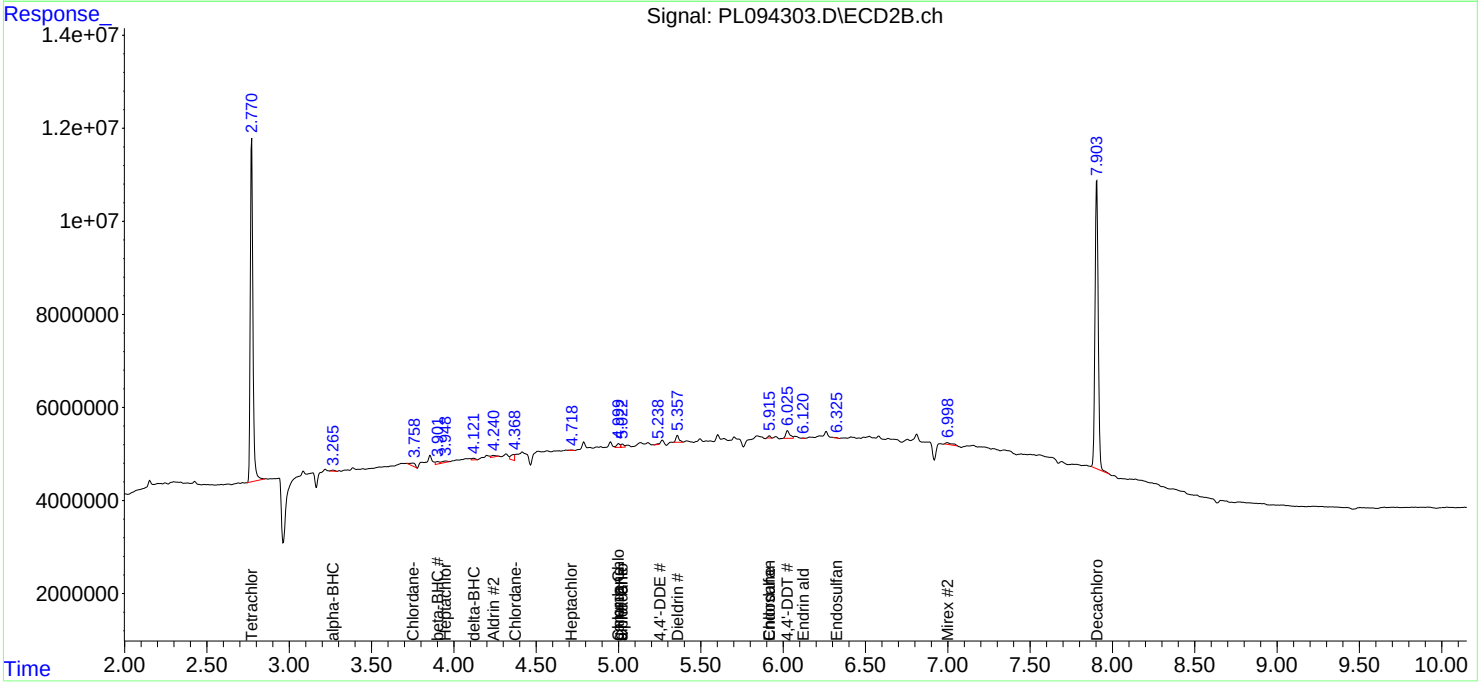
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094303.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 12:33
Operator : AR\AJ
Sample : Q1383-21
Misc :
ALS Vial : 16 Sample Multiplier: 1

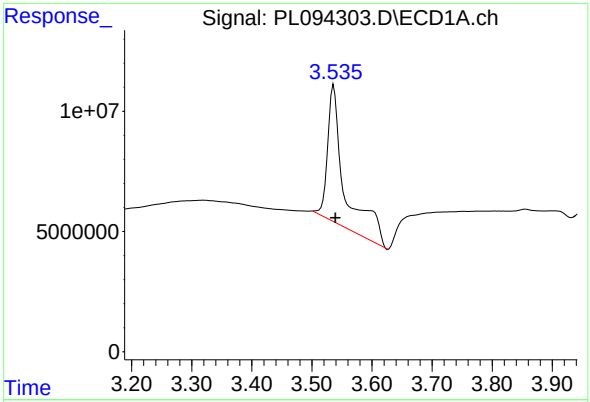
Instrument :
ECD_L
ClientSampleId :
OU4-CF-15-021725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:37:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



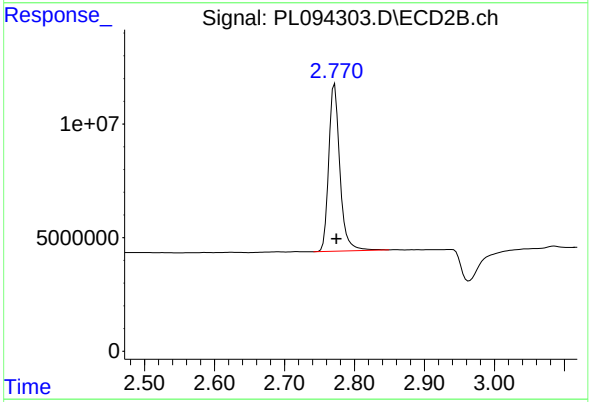




#1 Tetrachloro-m-xylene

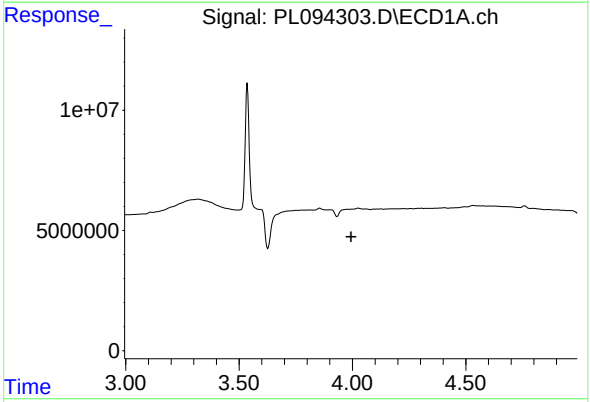
R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 113368686
Conc: 42.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-CF-15-021725



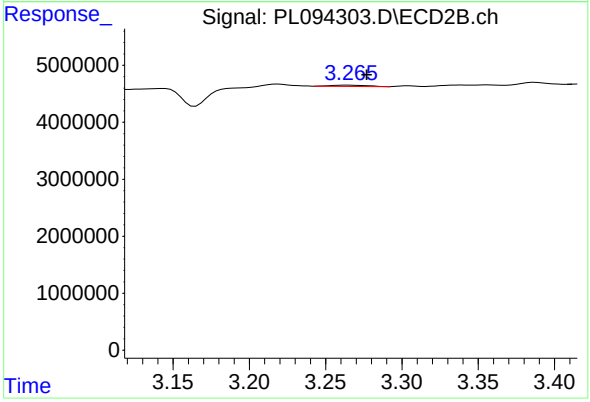
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.003 min
Response: 81231361
Conc: 24.89 ng/ml



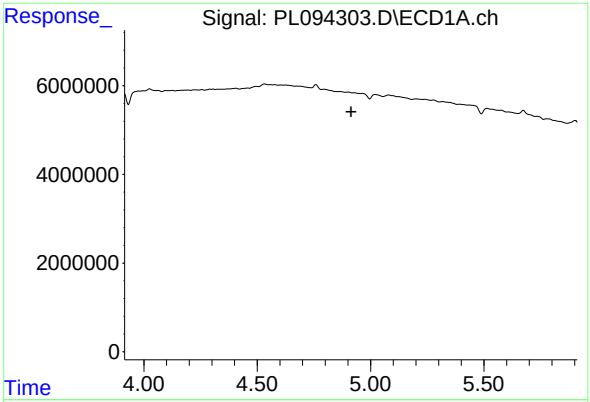
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.995 min
Response: 0
Conc: N.D.



#2 alpha-BHC

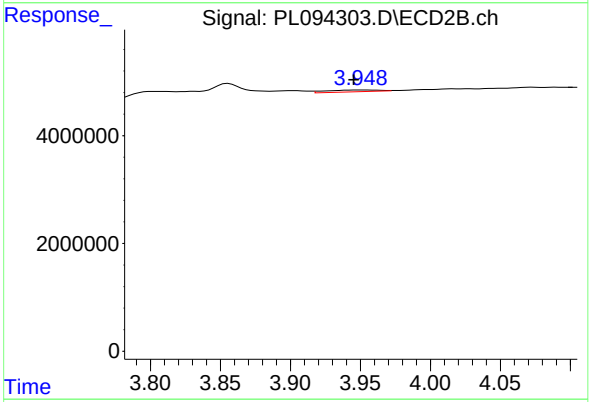
R.T.: 3.265 min
Delta R.T.: -0.012 min
Response: 373265
Conc: 0.08 ng/ml



#4 Heptachlor

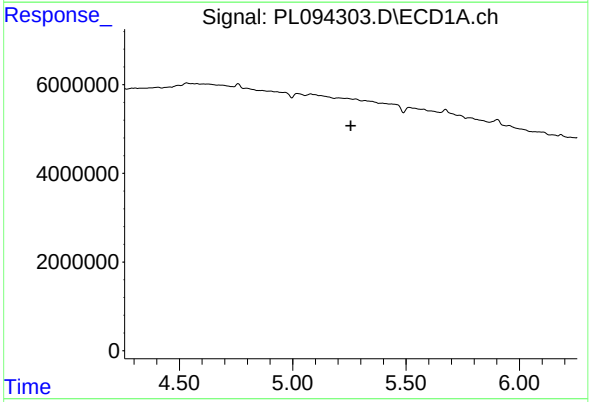
R.T.: 0.000 min
Exp R.T. : 4.914 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-CF-15-021725



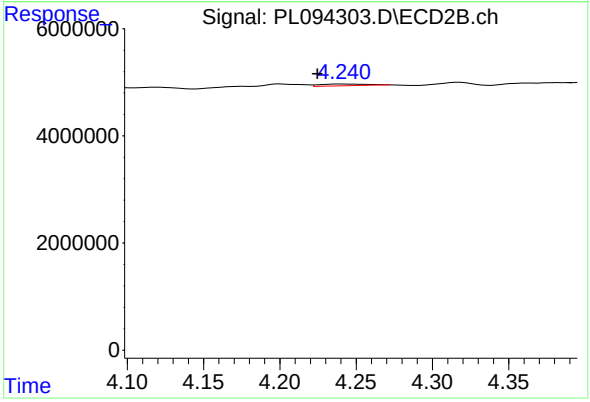
#4 Heptachlor

R.T.: 3.950 min
Delta R.T.: 0.005 min
Response: 823912
Conc: 0.18 ng/ml



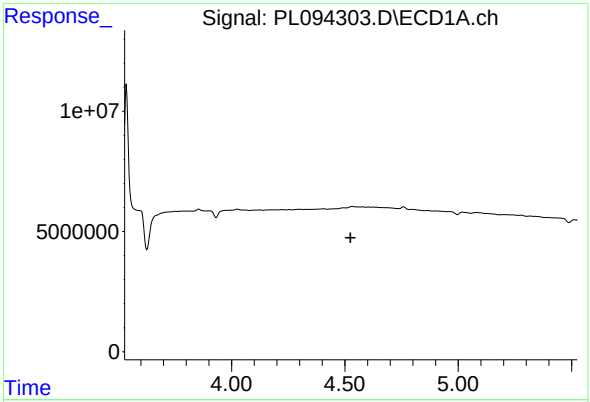
#5 Aldrin

R.T.: 0.000 min
Exp R.T. : 5.256 min
Response: 0
Conc: N.D.



#5 Aldrin

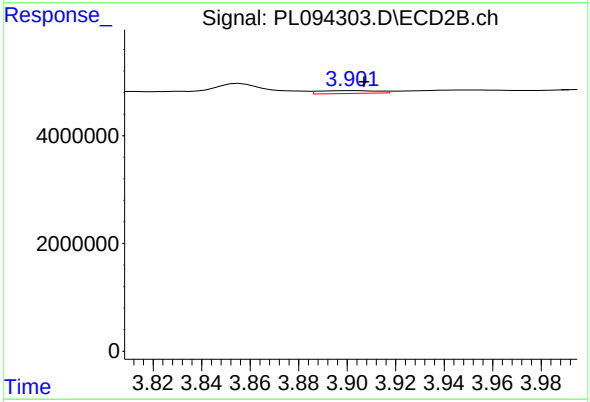
R.T.: 4.241 min
Delta R.T.: 0.017 min
Response: 771005
Conc: 0.17 ng/ml



#6 beta-BHC

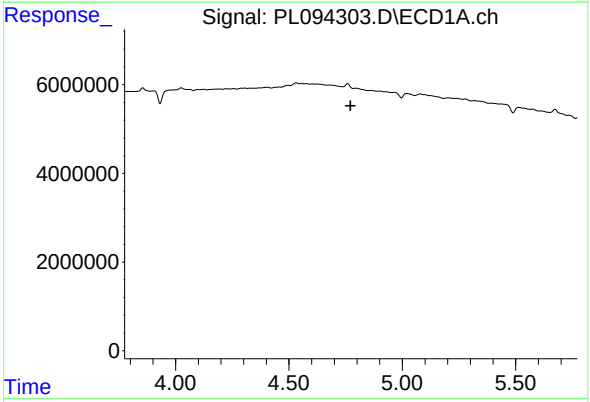
R.T.: 0.000 min
Exp R.T. : 4.525 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-CF-15-021725



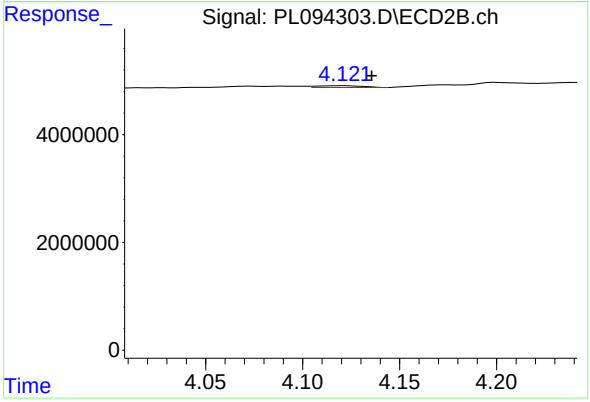
#6 beta-BHC

R.T.: 3.902 min
Delta R.T.: -0.005 min
Response: 873564
Conc: 0.44 ng/ml



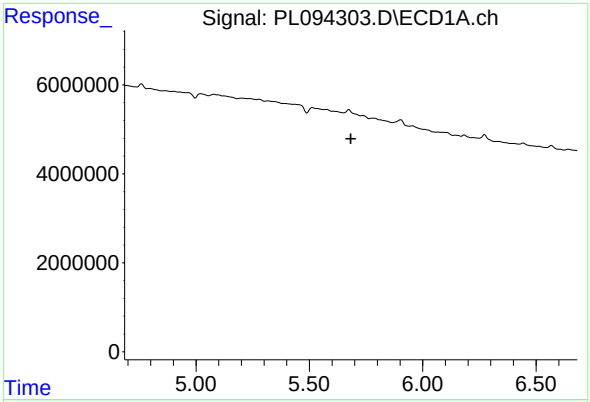
#7 delta-BHC

R.T.: 0.000 min
Exp R.T. : 4.772 min
Response: 0
Conc: N.D.



#7 delta-BHC

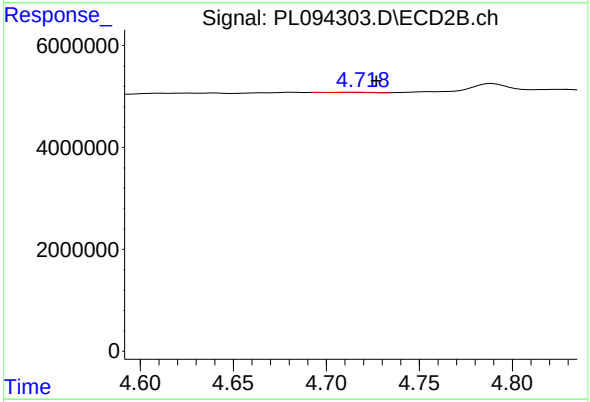
R.T.: 4.121 min
Delta R.T.: -0.014 min
Response: 550215
Conc: 0.12 ng/ml



#8 Heptachlor epoxide

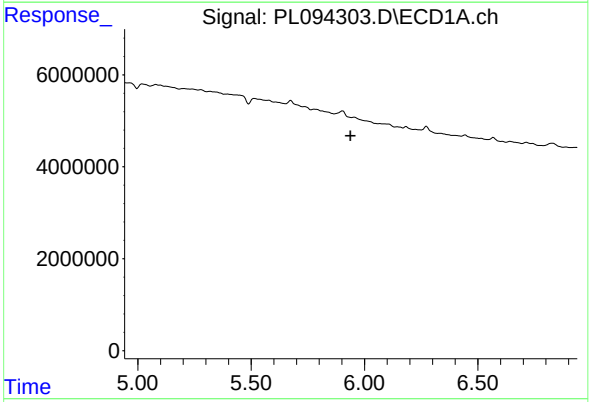
R.T.: 0.000 min
Exp R.T. : 5.682 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-CF-15-021725



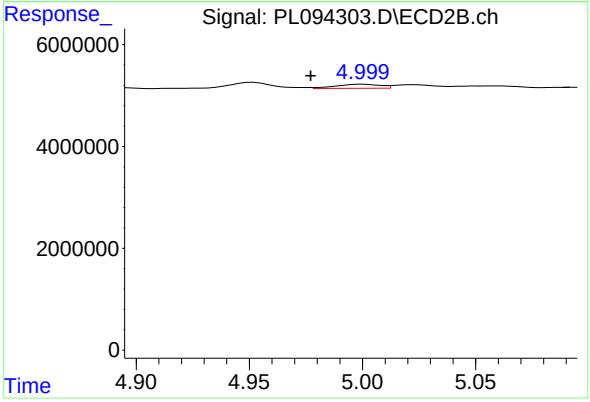
#8 Heptachlor epoxide

R.T.: 4.712 min
Delta R.T.: -0.015 min
Response: 84647
Conc: 0.02 ng/ml



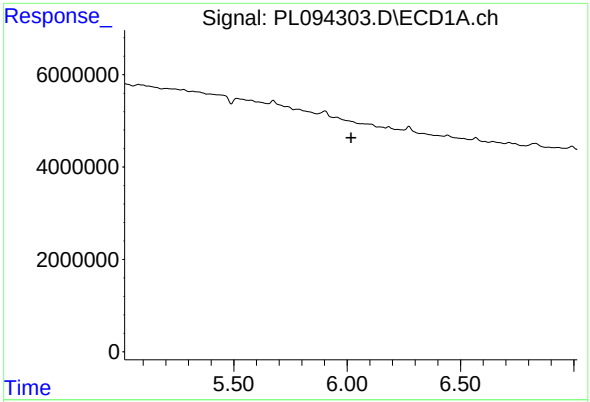
#10 gamma-Chlordane

R.T.: 0.000 min
Exp R.T. : 5.938 min
Response: 0
Conc: N.D.



#10 gamma-Chlordane

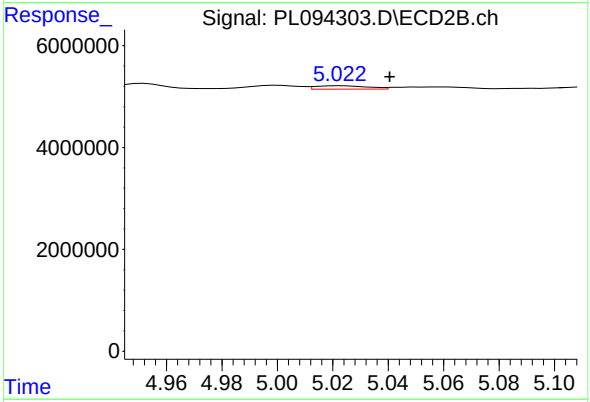
R.T.: 5.000 min
Delta R.T.: 0.023 min
Response: 1089958
Conc: 0.26 ng/ml



#11 alpha-Chlordane

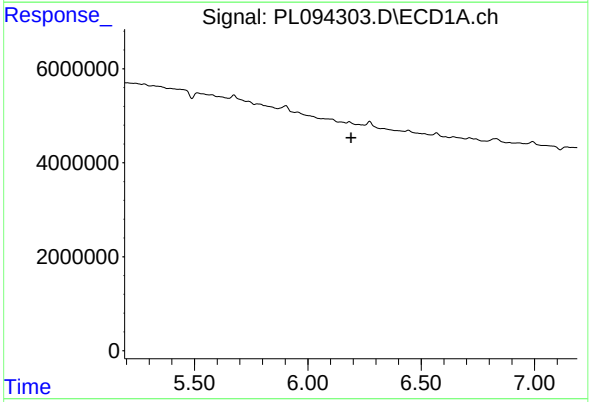
R.T.: 0.000 min
Exp R.T. : 6.017 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-CF-15-021725



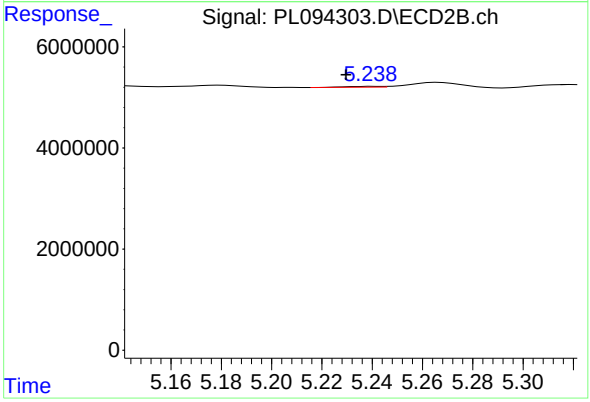
#11 alpha-Chlordane

R.T.: 5.023 min
Delta R.T.: -0.017 min
Response: 867817
Conc: 0.21 ng/ml



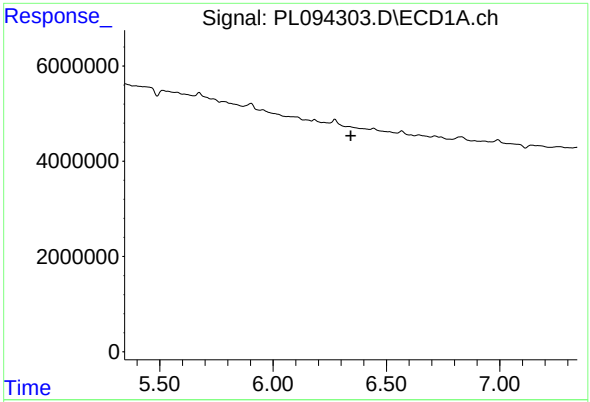
#12 4,4'-DDE

R.T.: 0.000 min
Exp R.T. : 6.191 min
Response: 0
Conc: N.D.



#12 4,4'-DDE

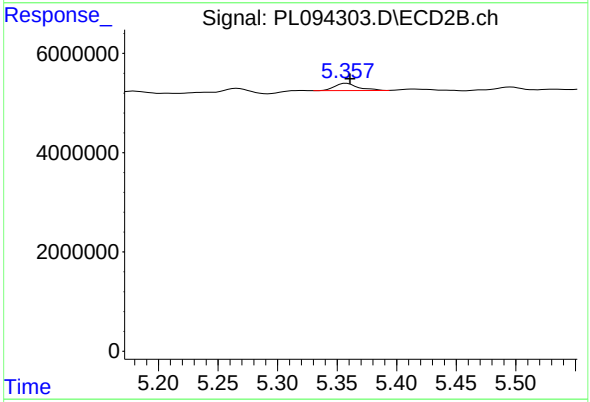
R.T.: 5.242 min
Delta R.T.: 0.012 min
Response: 169585
Conc: 0.04 ng/ml



#13 Dieldrin

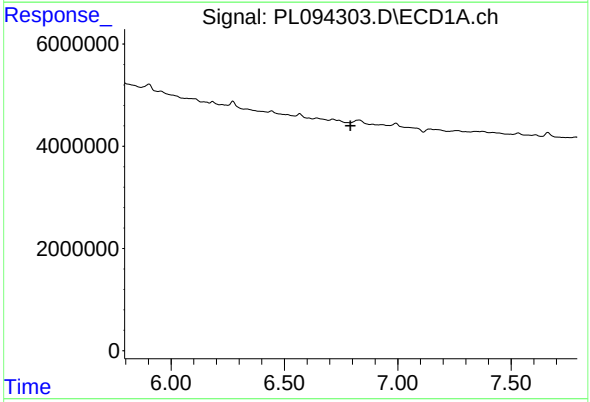
R.T.: 0.000 min
Exp R.T. : 6.343 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-CF-15-021725



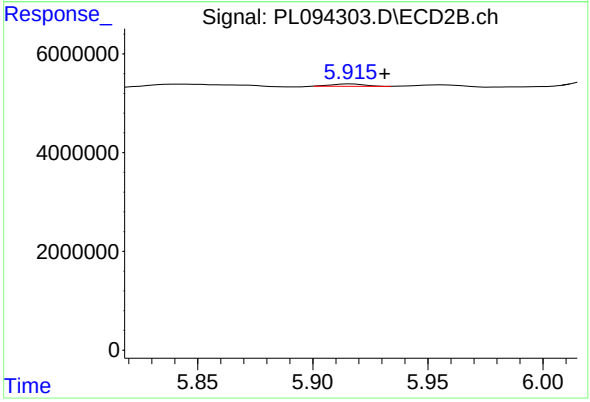
#13 Dieldrin

R.T.: 5.358 min
Delta R.T.: -0.003 min
Response: 1970619
Conc: 0.46 ng/ml



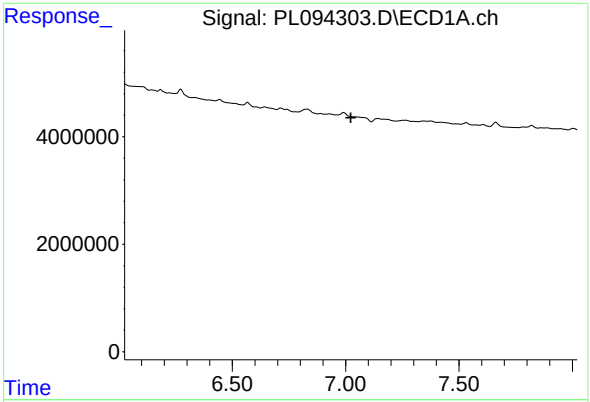
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.792 min
Response: 0
Conc: N.D.



#15 Endosulfan II

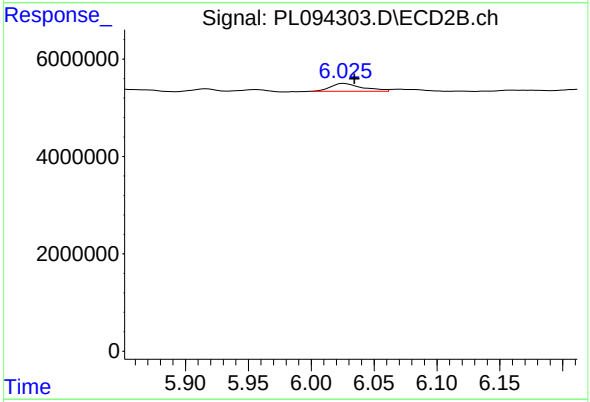
R.T.: 5.917 min
Delta R.T.: -0.015 min
Response: 475521
Conc: 0.13 ng/ml



#17 4,4'-DDT

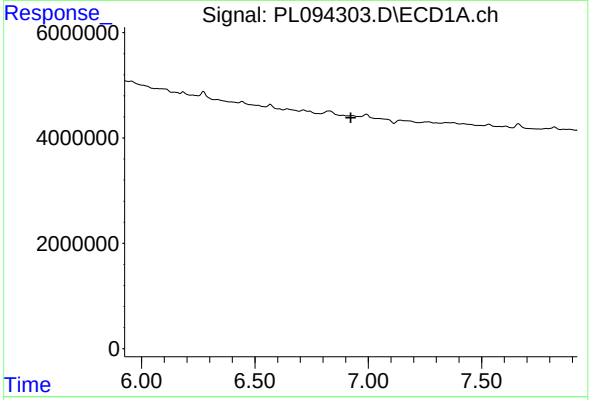
R.T.: 0.000 min
Exp R.T. : 7.022 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-CF-15-021725



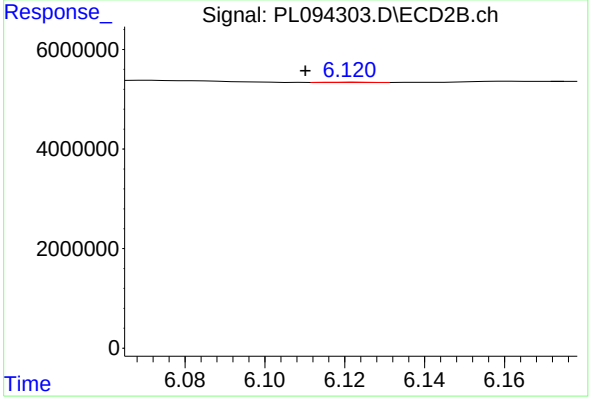
#17 4,4'-DDT

R.T.: 6.026 min
Delta R.T.: -0.008 min
Response: 2853138
Conc: 0.88 ng/ml



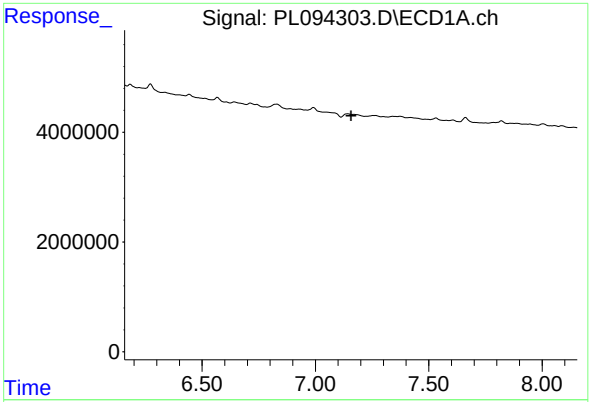
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.923 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

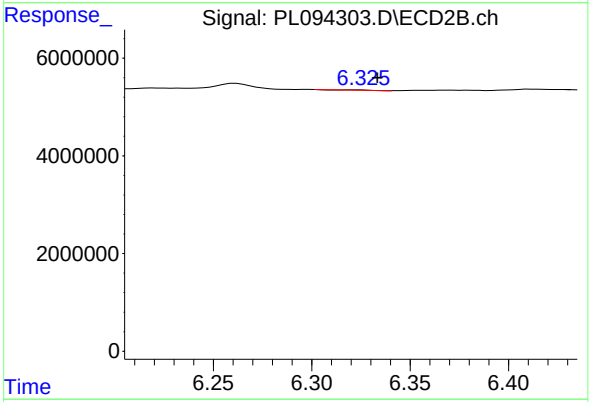
R.T.: 6.122 min
Delta R.T.: 0.012 min
Response: 41637
Conc: 0.01 ng/ml



#19 Endosulfan Sulfate

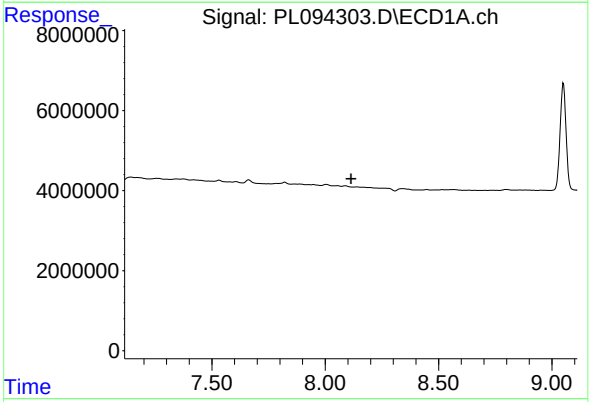
R.T.: 0.000 min
Exp R.T. : 7.157 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-CF-15-021725



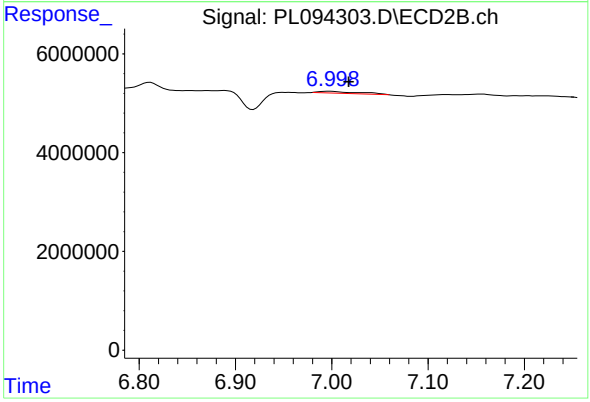
#19 Endosulfan Sulfate

R.T.: 6.323 min
Delta R.T.: -0.010 min
Response: 40678
Conc: 0.01 ng/ml



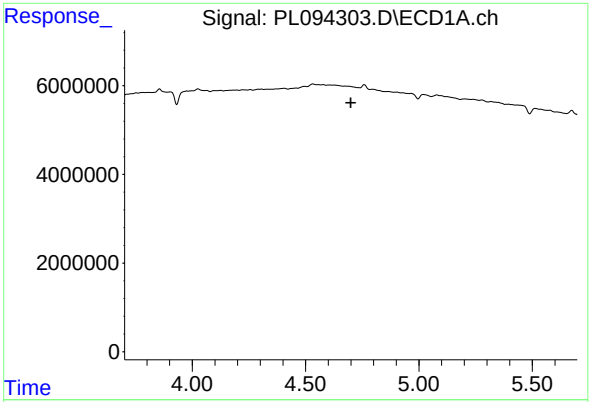
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.



#22 Mirex

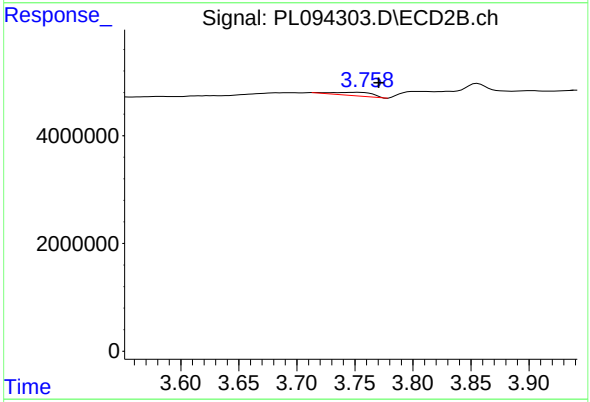
R.T.: 6.998 min
Delta R.T.: -0.020 min
Response: 1101395
Conc: 0.33 ng/ml



#23 Chlordane-1

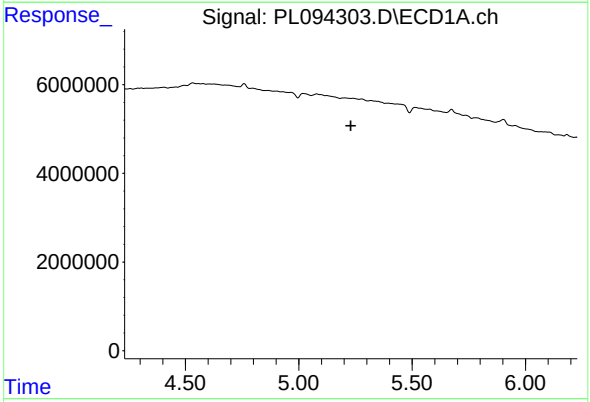
R.T.: 0.000 min
Exp R.T. : 4.700 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-CF-15-021725



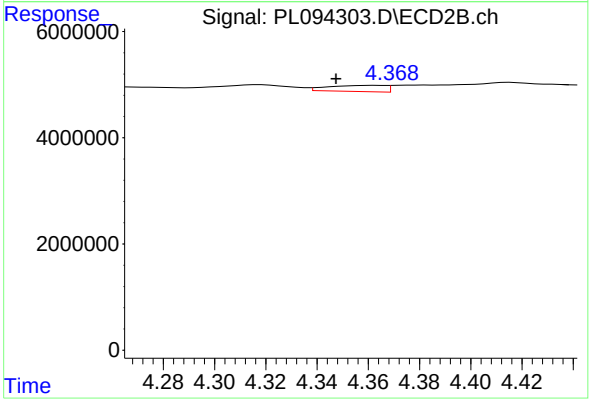
#23 Chlordane-1

R.T.: 3.753 min
Delta R.T.: -0.018 min
Response: 1495539
Conc: 11.98 ng/ml



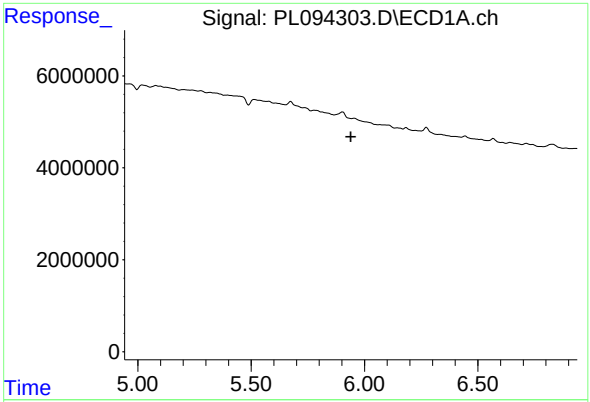
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 5.229 min
Response: 0
Conc: N.D.



#24 Chlordane-2

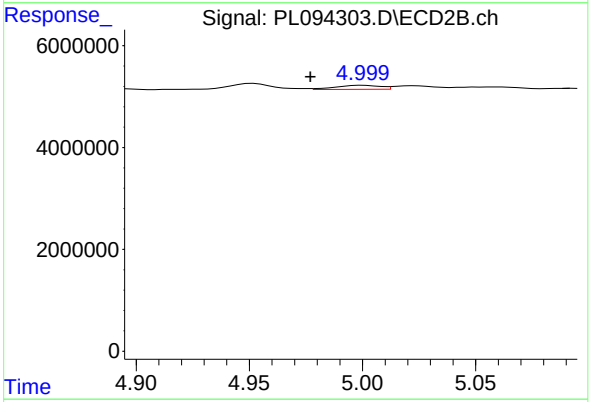
R.T.: 4.364 min
Delta R.T.: 0.016 min
Response: 1778410
Conc: 12.12 ng/ml



#25 Chlordane-3

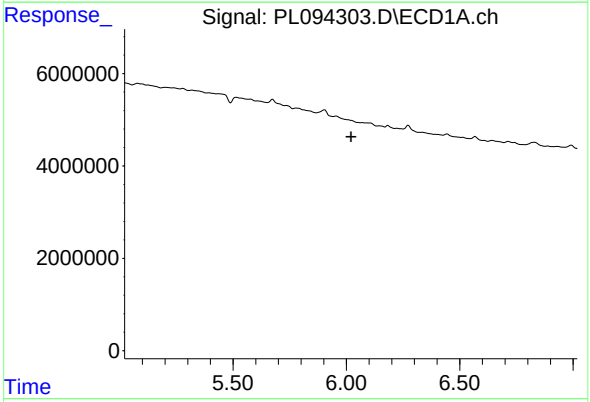
R.T.: 0.000 min
Exp R.T. : 5.939 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-CF-15-021725



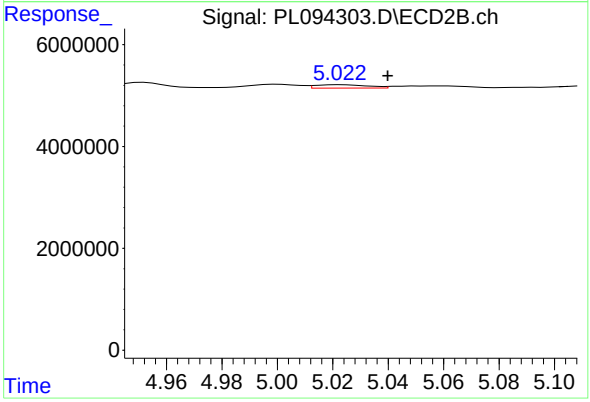
#25 Chlordane-3

R.T.: 5.000 min
Delta R.T.: 0.023 min
Response: 1089958
Conc: 2.51 ng/ml



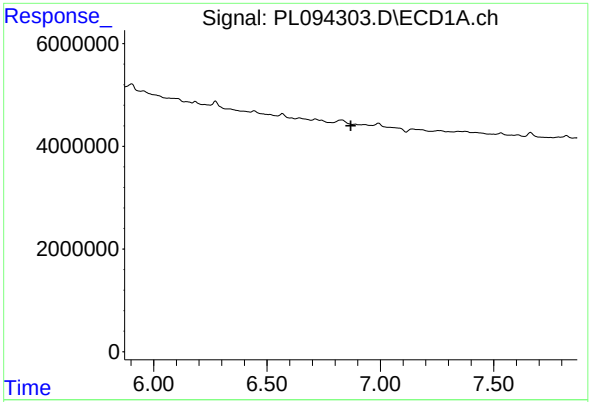
#26 Chlordane-4

R.T.: 0.000 min
Exp R.T. : 6.021 min
Response: 0
Conc: N.D.



#26 Chlordane-4

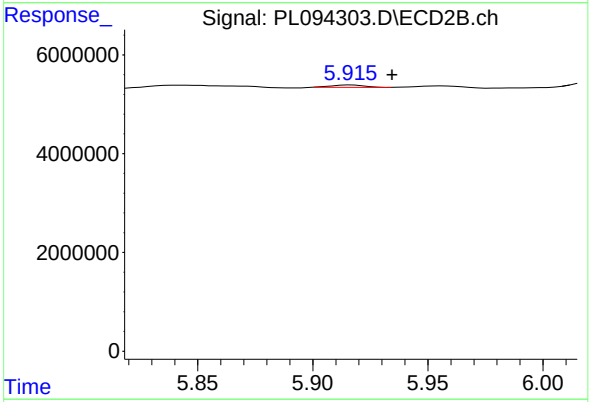
R.T.: 5.023 min
Delta R.T.: -0.016 min
Response: 867817
Conc: 2.05 ng/ml



#27 Chlordane-5

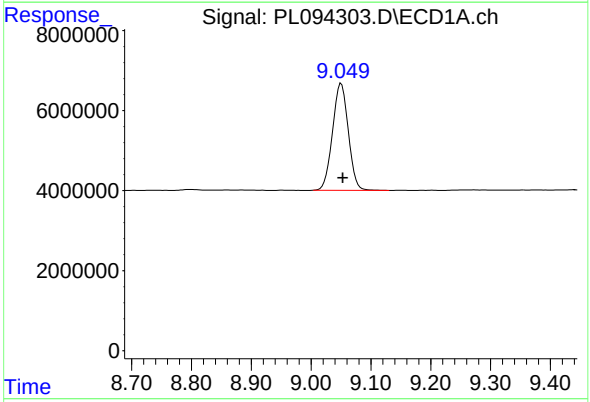
R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-CF-15-021725



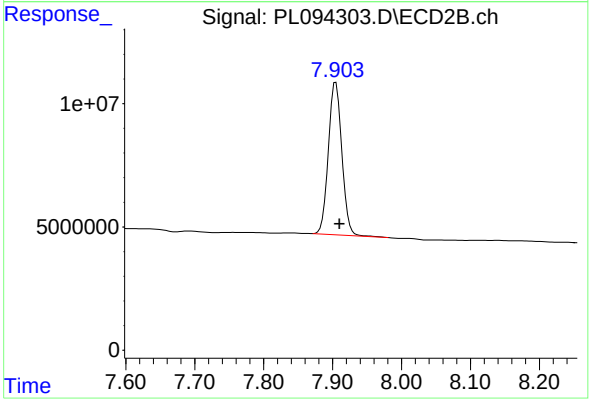
#27 Chlordane-5

R.T.: 5.917 min
Delta R.T.: -0.018 min
Response: 475521
Conc: 3.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.002 min
Response: 49050903
Conc: 23.45 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 83986659
Conc: 23.97 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094305.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 13:00
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:38:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.536	2.771	131.9E6	170.9E6	48.981	52.353
28)	SA Decachlor...	9.051	7.905	108.4E6	196.0E6	51.804	55.934
	Target Compounds						
2)	A alpha-BHC	3.992	3.273	192.9E6	262.3E6	50.321	53.648
3)	MA gamma-BHC...	4.324	3.603	186.9E6	254.6E6	50.753	53.702
4)	MA Heptachlor	4.912	3.941	164.1E6	245.4E6	50.066	52.713
5)	MB Aldrin	5.253	4.220	172.0E6	248.7E6	52.575	54.524
6)	B beta-BHC	4.523	3.903	81109720	106.1E6	50.463	53.139
7)	B delta-BHC	4.770	4.132	182.1E6	256.1E6	51.956	53.906
8)	B Heptachlo...	5.680	4.723	154.3E6	227.4E6	51.874	54.405
9)	A Endosulfan I	6.065	5.092	136.9E6	204.6E6	51.810	52.773
10)	B gamma-Chl...	5.936	4.972	146.7E6	231.5E6	52.622	54.624
11)	B alpha-Chl...	6.015	5.036	145.7E6	228.7E6	52.249	54.633
12)	B 4,4'-DDE	6.189	5.225	135.4E6	229.5E6	55.627	57.233
13)	MA Dieldrin	6.340	5.356	143.9E6	232.0E6	51.847	54.010
14)	MA Endrin	6.570	5.632	115.8E6	186.8E6	49.406	50.592
15)	B Endosulfa...	6.790	5.927	123.0E6	203.3E6	51.052	54.898
16)	A 4,4'-DDD	6.706	5.780	108.2E6	187.7E6	56.946	59.460
17)	MA 4,4'-DDT	7.020	6.030	100.8E6	175.2E6	51.105	53.845
18)	B Endrin al...	6.920	6.106	100.7E6	167.1E6	51.783	54.884
19)	B Endosulfa...	7.155	6.329	114.1E6	195.5E6	50.384	54.832
20)	A Methoxychlor	7.496	6.605	54245211	95245578	51.989	53.265
21)	B Endrin ke...	7.640	6.834	133.0E6	237.5E6	52.742	56.618
22)	Mirex	8.112	7.014	103.5E6	184.4E6	49.698	54.522
23)	Chlordane-1	0.000	3.776	0	15158	N.D.	0.121 #
24)	Chlordane-2	5.253f	4.360	172.0E6	5394319	1469.269	36.766 #
25)	Chlordane-3	5.936	4.972	146.7E6	231.5E6	373.925	532.349 #
26)	Chlordane-4	6.015	5.036	145.7E6	228.7E6	309.912	539.871 #
27)	Chlordane-5	0.000	5.927	0	203.3E6	N.D.	1327.566 #

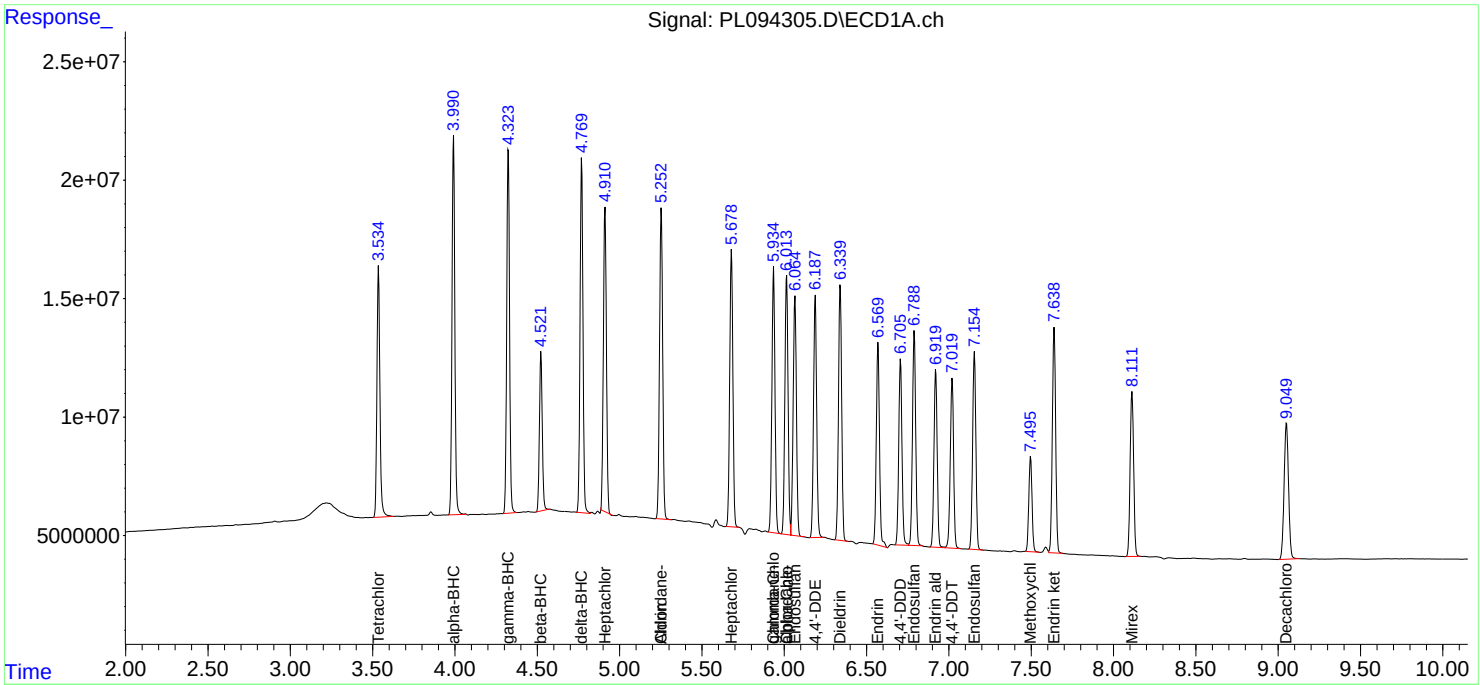
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

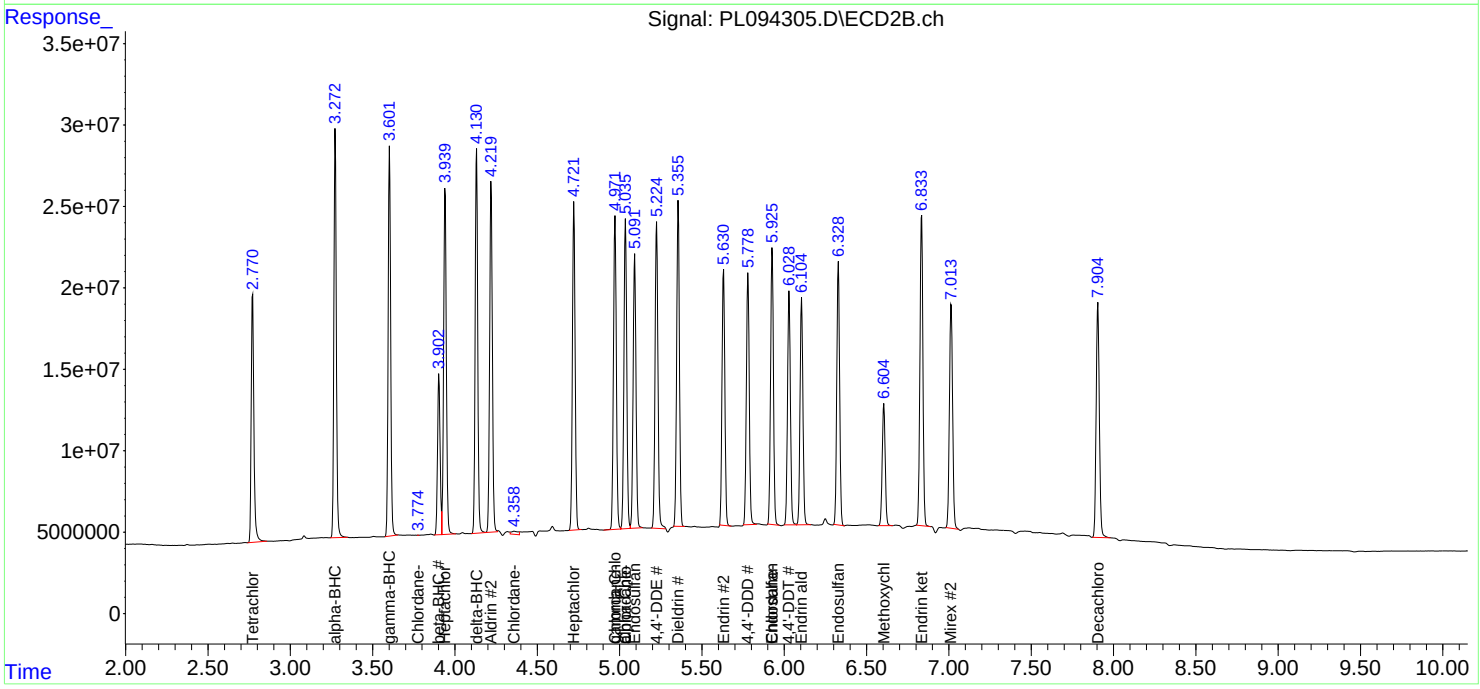
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094305.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 13:00
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

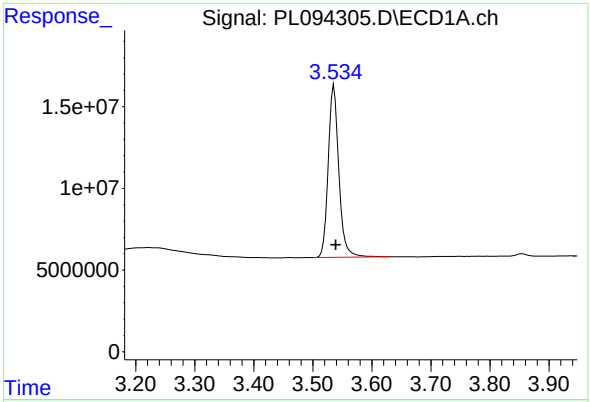
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:38:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



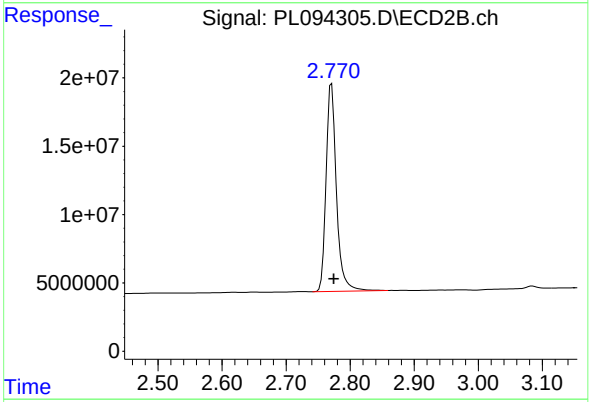




#1 Tetrachloro-m-xylene

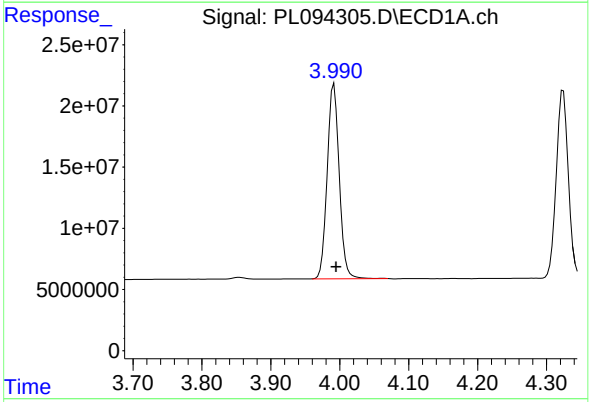
R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 131894628
Conc: 48.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



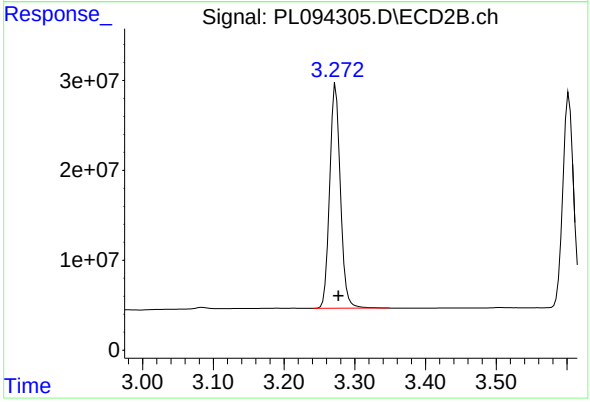
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: -0.003 min
Response: 170886950
Conc: 52.35 ng/ml



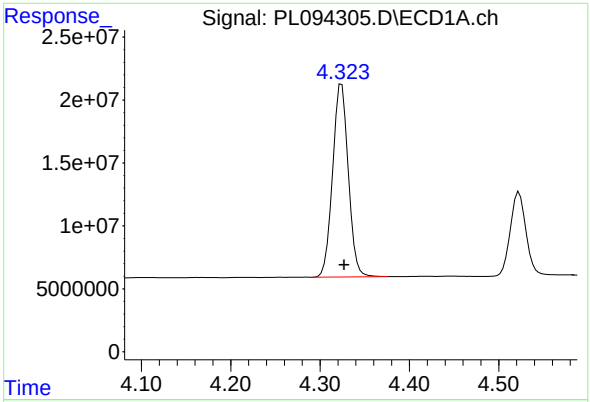
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.003 min
Response: 192922290
Conc: 50.32 ng/ml



#2 alpha-BHC

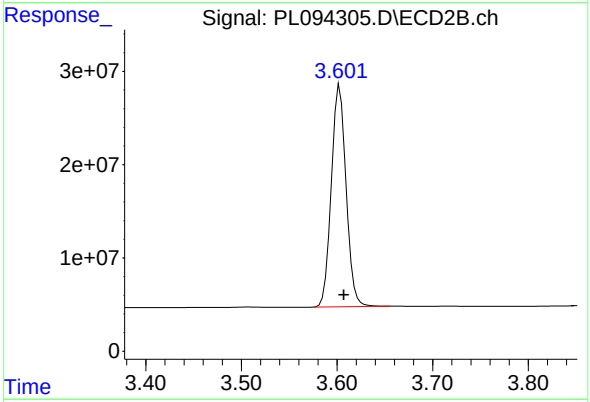
R.T.: 3.273 min
Delta R.T.: -0.004 min
Response: 262281697
Conc: 53.65 ng/ml



#3 gamma-BHC (Lindane)

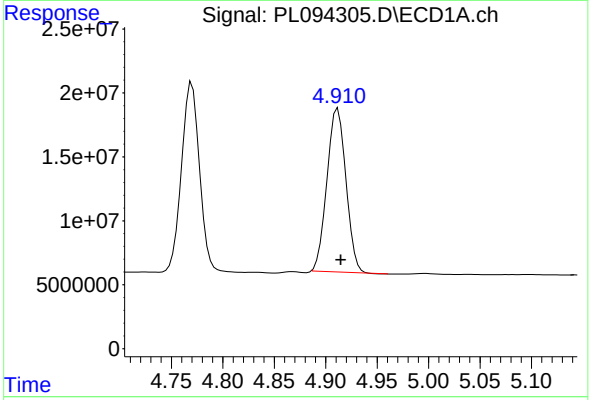
R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 186915862
Conc: 50.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



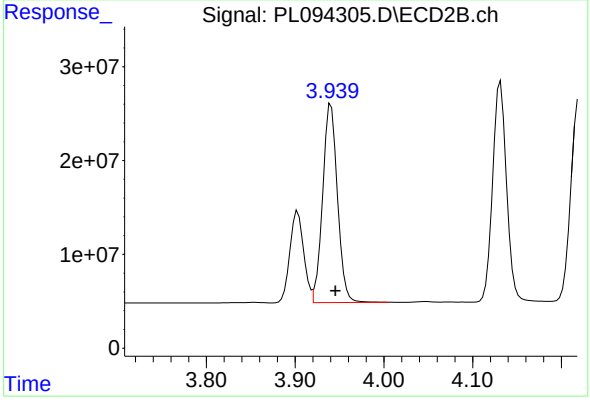
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.004 min
Response: 254610482
Conc: 53.70 ng/ml



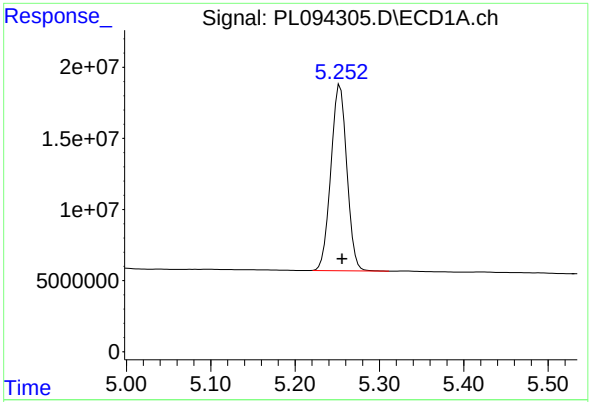
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: -0.003 min
Response: 164083007
Conc: 50.07 ng/ml



#4 Heptachlor

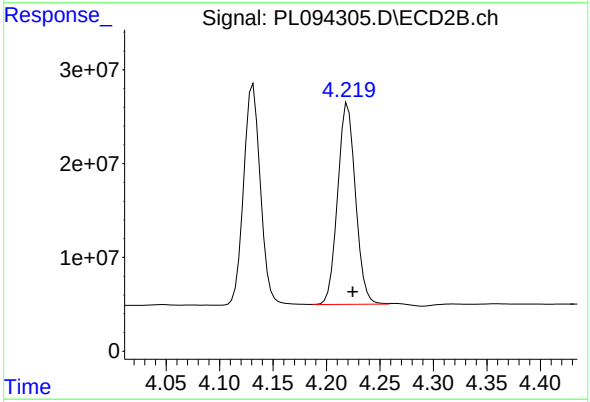
R.T.: 3.941 min
Delta R.T.: -0.005 min
Response: 245366897
Conc: 52.71 ng/ml



#5 Aldrin

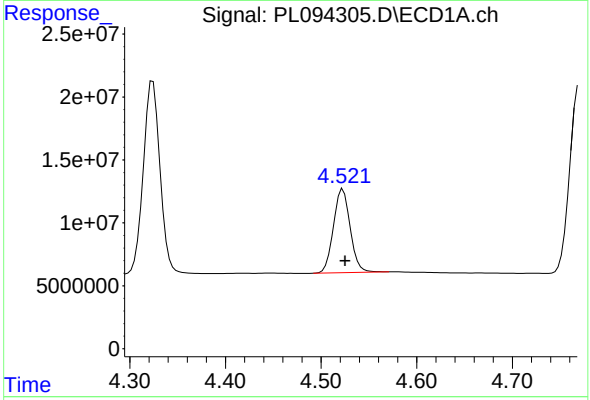
R.T.: 5.253 min
Delta R.T.: -0.002 min
Response: 172023050
Conc: 52.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



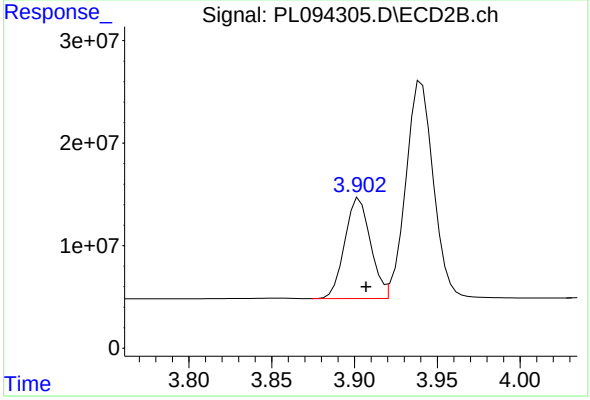
#5 Aldrin

R.T.: 4.220 min
Delta R.T.: -0.005 min
Response: 248728279
Conc: 54.52 ng/ml



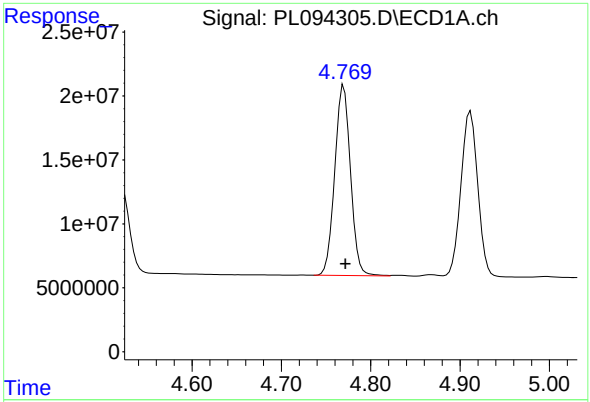
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 81109720
Conc: 50.46 ng/ml



#6 beta-BHC

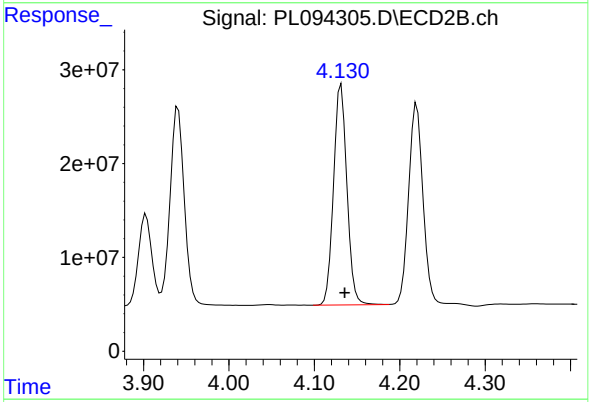
R.T.: 3.903 min
Delta R.T.: -0.004 min
Response: 106142161
Conc: 53.14 ng/ml



#7 delta-BHC

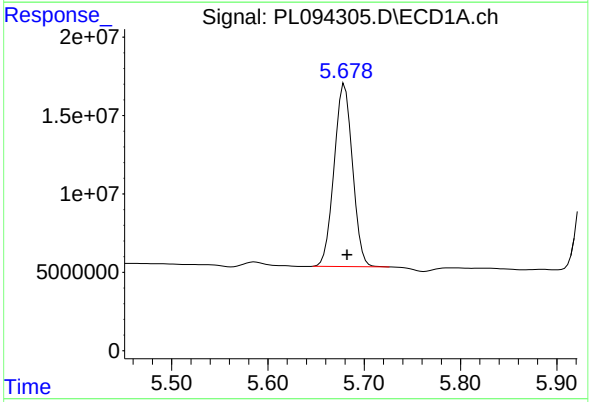
R.T.: 4.770 min
Delta R.T.: -0.002 min
Response: 182120665
Conc: 51.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



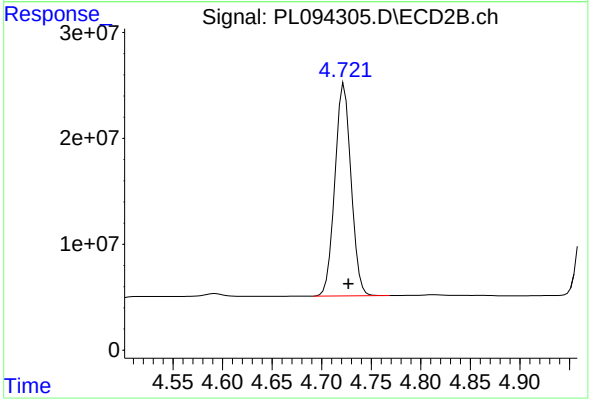
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.004 min
Response: 256120841
Conc: 53.91 ng/ml



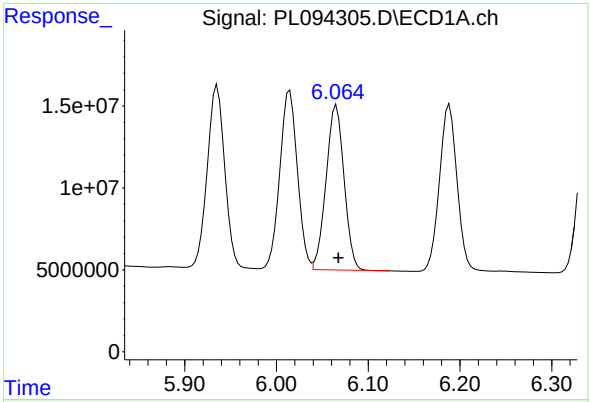
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.003 min
Response: 154264443
Conc: 51.87 ng/ml



#8 Heptachlor epoxide

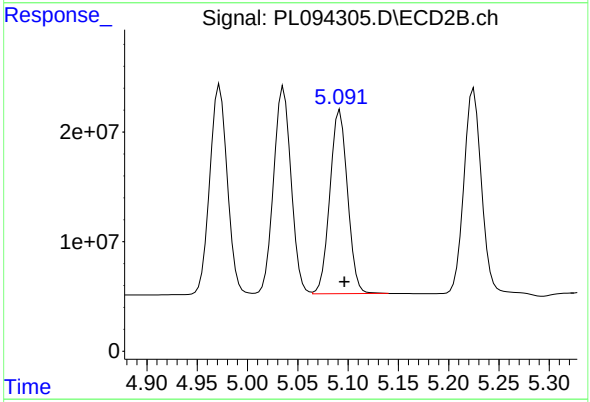
R.T.: 4.723 min
Delta R.T.: -0.004 min
Response: 227424941
Conc: 54.40 ng/ml



#9 Endosulfan I

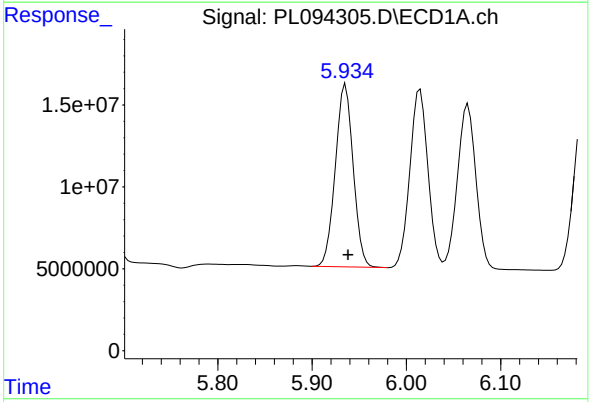
R.T.: 6.065 min
Delta R.T.: -0.002 min
Response: 136927261
Conc: 51.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



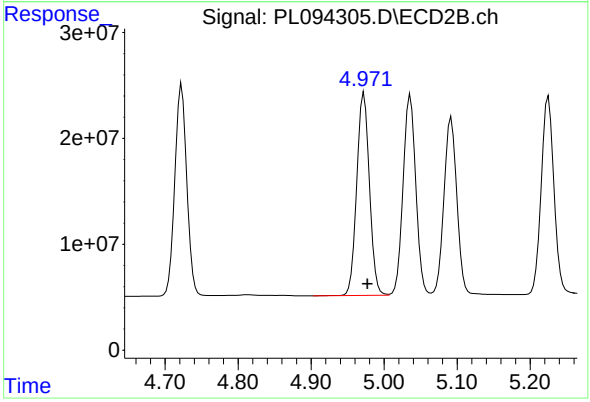
#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: -0.004 min
Response: 204594889
Conc: 52.77 ng/ml



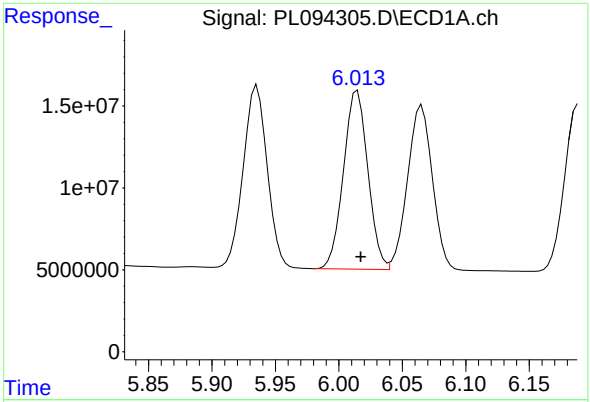
#10 gamma-Chlordane

R.T.: 5.936 min
Delta R.T.: -0.003 min
Response: 146677848
Conc: 52.62 ng/ml



#10 gamma-Chlordane

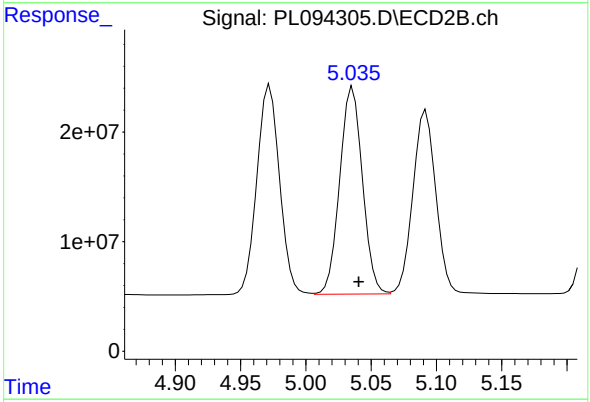
R.T.: 4.972 min
Delta R.T.: -0.005 min
Response: 231476706
Conc: 54.62 ng/ml



#11 alpha-Chlordane

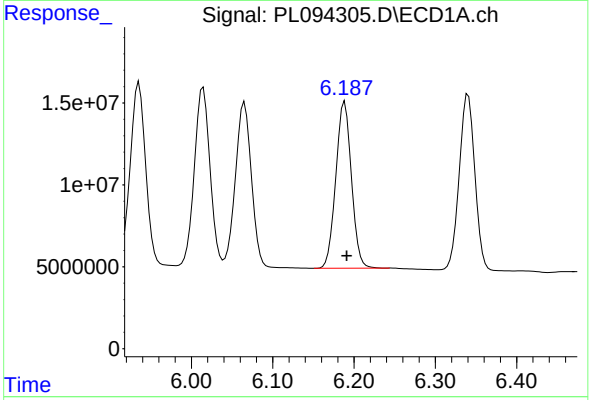
R.T.: 6.015 min
Delta R.T.: -0.003 min
Response: 145691930
Conc: 52.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



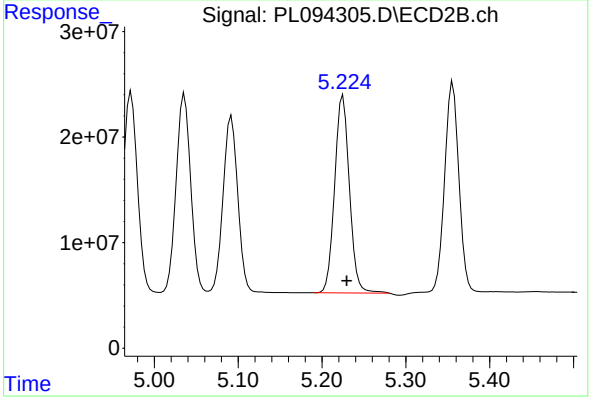
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: -0.005 min
Response: 228726134
Conc: 54.63 ng/ml



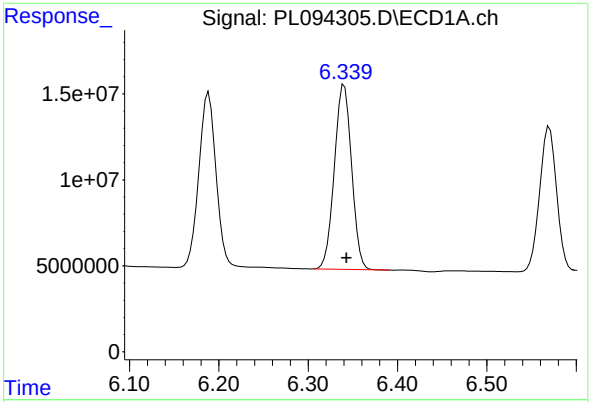
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.003 min
Response: 135429399
Conc: 55.63 ng/ml



#12 4,4'-DDE

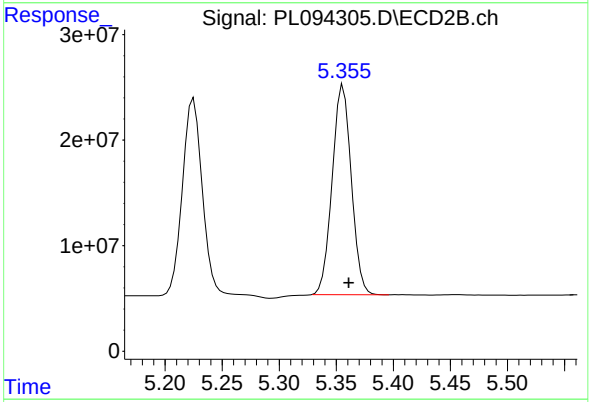
R.T.: 5.225 min
Delta R.T.: -0.004 min
Response: 229472447
Conc: 57.23 ng/ml



#13 Dieldrin

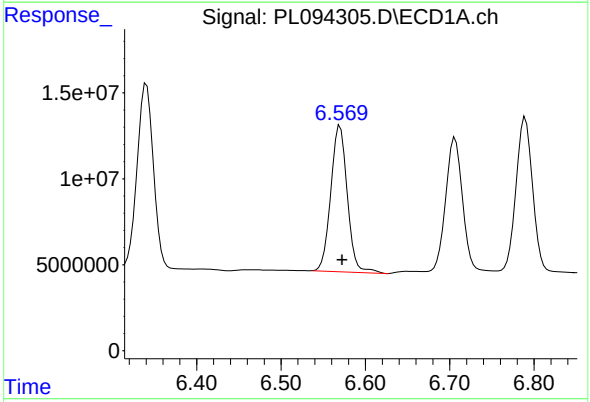
R.T.: 6.340 min
Delta R.T.: -0.002 min
Response: 143919195
Conc: 51.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



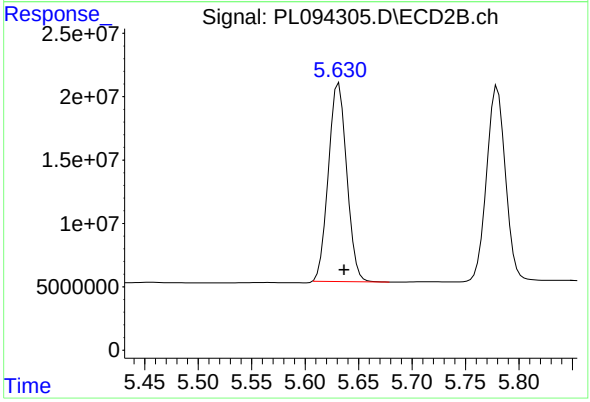
#13 Dieldrin

R.T.: 5.356 min
Delta R.T.: -0.005 min
Response: 232007914
Conc: 54.01 ng/ml



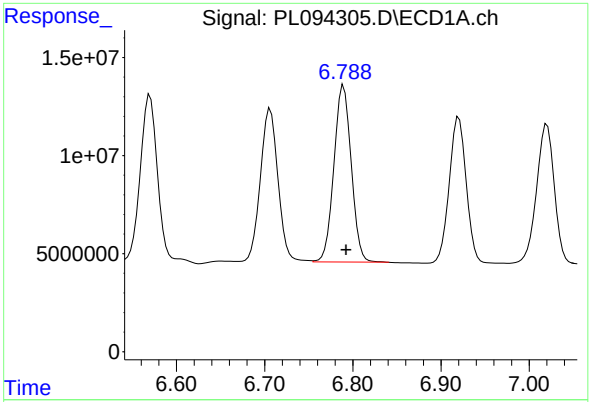
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.002 min
Response: 115847775
Conc: 49.41 ng/ml



#14 Endrin

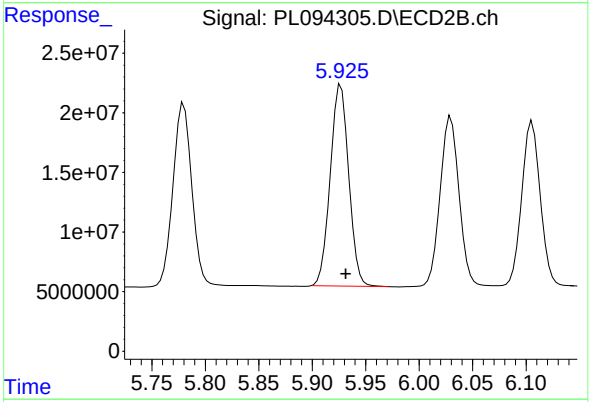
R.T.: 5.632 min
Delta R.T.: -0.005 min
Response: 186819688
Conc: 50.59 ng/ml



#15 Endosulfan II

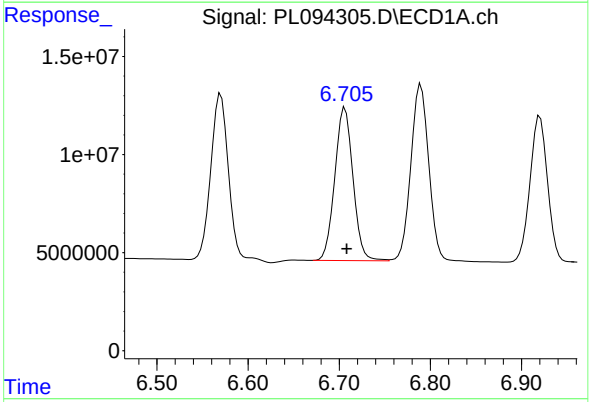
R.T.: 6.790 min
Delta R.T.: -0.003 min
Response: 123002178
Conc: 51.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



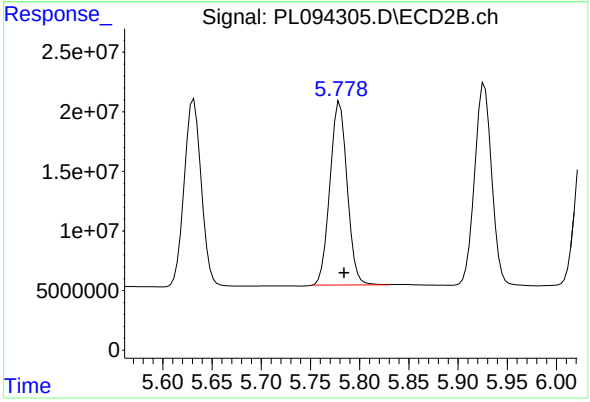
#15 Endosulfan II

R.T.: 5.927 min
Delta R.T.: -0.004 min
Response: 203333746
Conc: 54.90 ng/ml



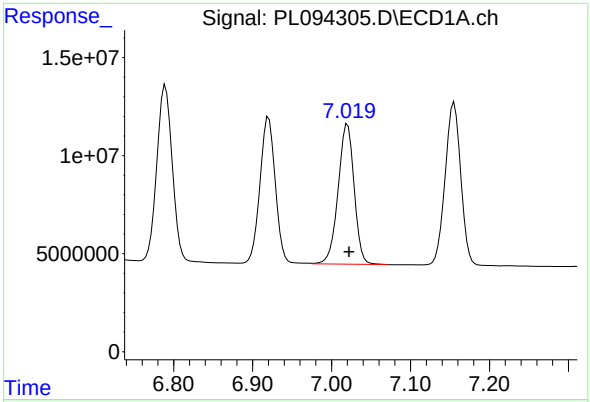
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.002 min
Response: 108228670
Conc: 56.95 ng/ml



#16 4,4'-DDD

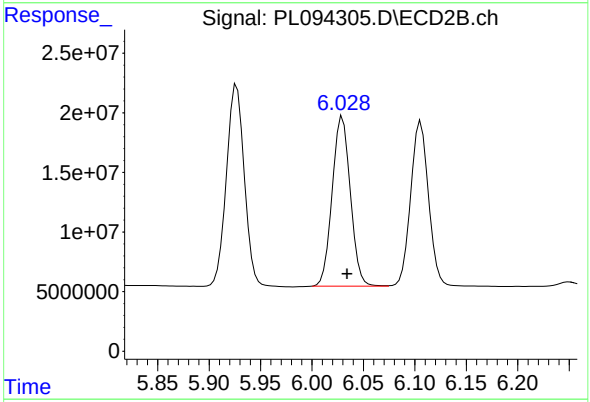
R.T.: 5.780 min
Delta R.T.: -0.004 min
Response: 187688122
Conc: 59.46 ng/ml



#17 4,4'-DDT

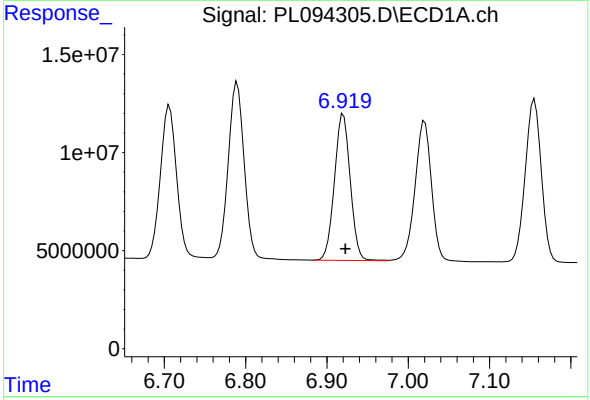
R.T.: 7.020 min
Delta R.T.: -0.002 min
Response: 100782100
Conc: 51.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



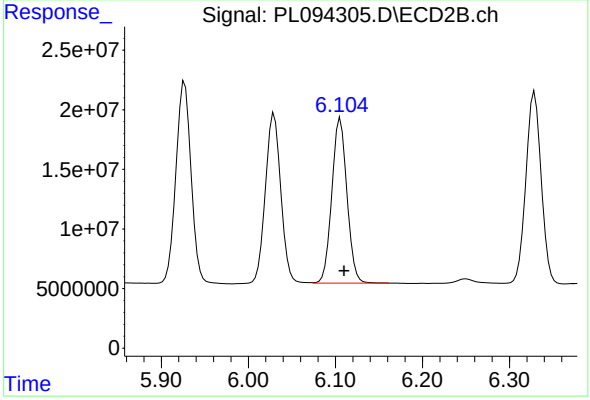
#17 4,4'-DDT

R.T.: 6.030 min
Delta R.T.: -0.005 min
Response: 175213542
Conc: 53.84 ng/ml



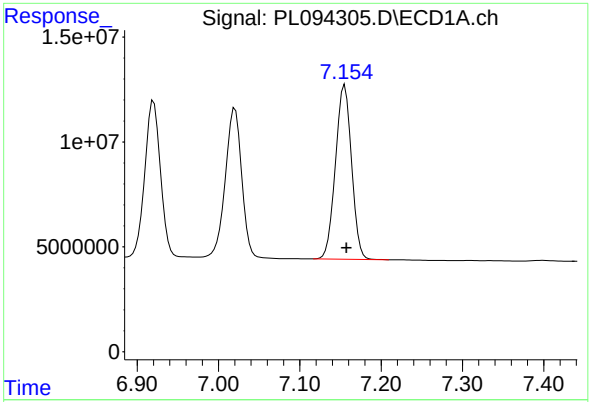
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: -0.002 min
Response: 100669583
Conc: 51.78 ng/ml



#18 Endrin aldehyde

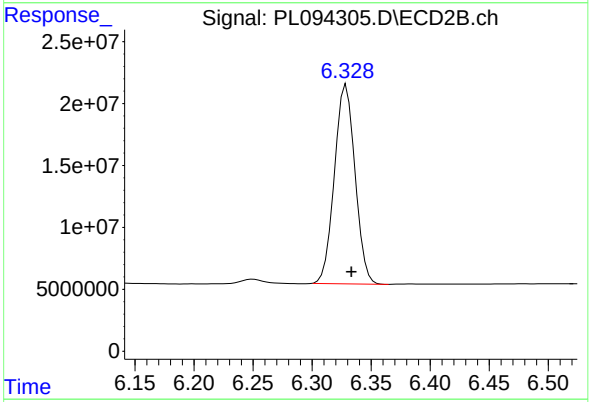
R.T.: 6.106 min
Delta R.T.: -0.004 min
Response: 167100909
Conc: 54.88 ng/ml



#19 Endosulfan Sulfate

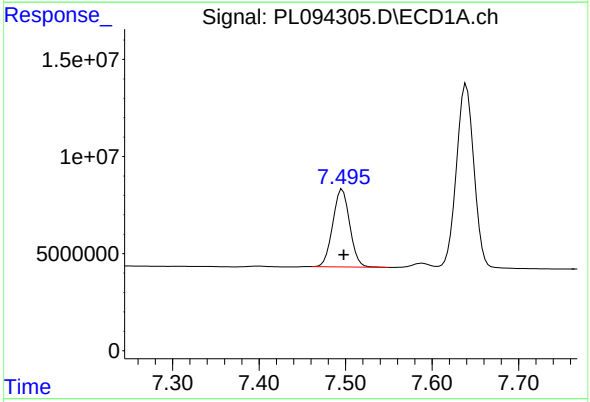
R.T.: 7.155 min
Delta R.T.: -0.002 min
Response: 114056333
Conc: 50.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



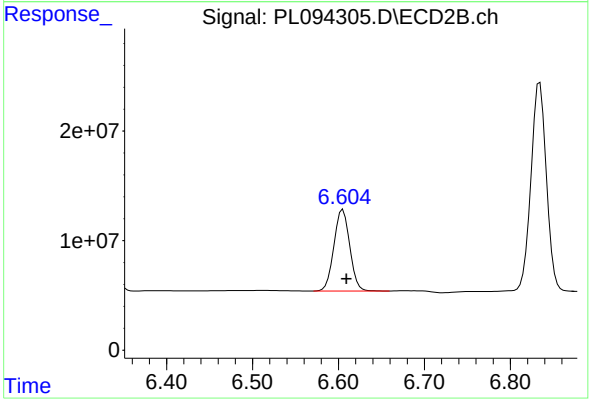
#19 Endosulfan Sulfate

R.T.: 6.329 min
Delta R.T.: -0.005 min
Response: 195533966
Conc: 54.83 ng/ml



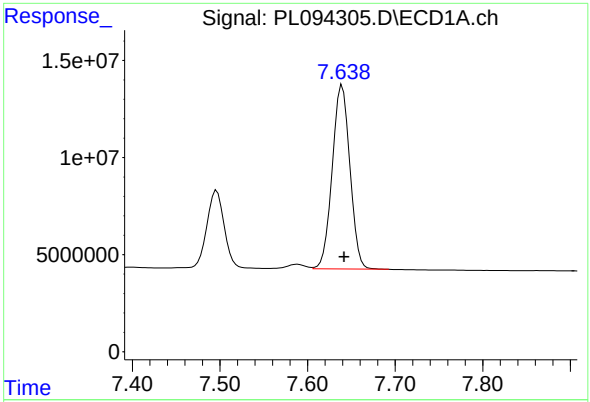
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: -0.002 min
Response: 54245211
Conc: 51.99 ng/ml



#20 Methoxychlor

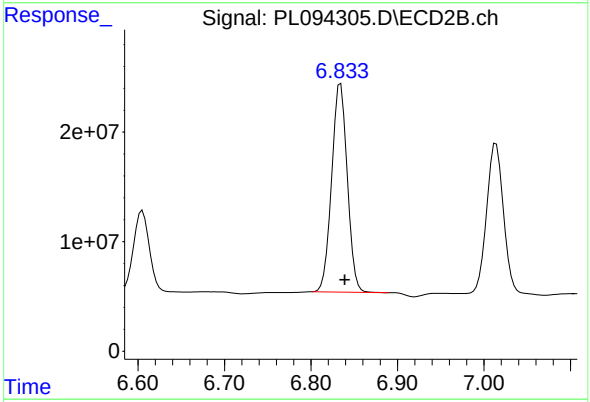
R.T.: 6.605 min
Delta R.T.: -0.004 min
Response: 95245578
Conc: 53.27 ng/ml



#21 Endrin ketone

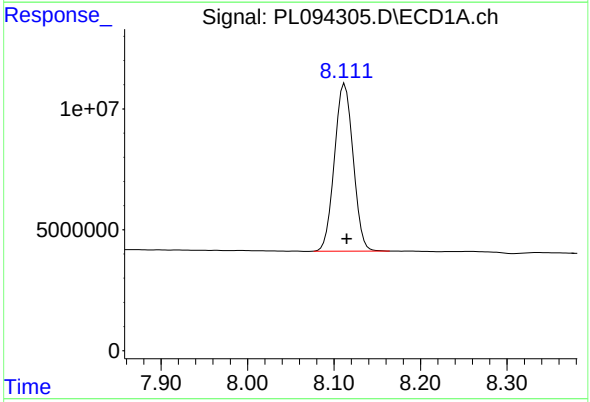
R.T.: 7.640 min
Delta R.T.: -0.002 min
Response: 133048490
Conc: 52.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



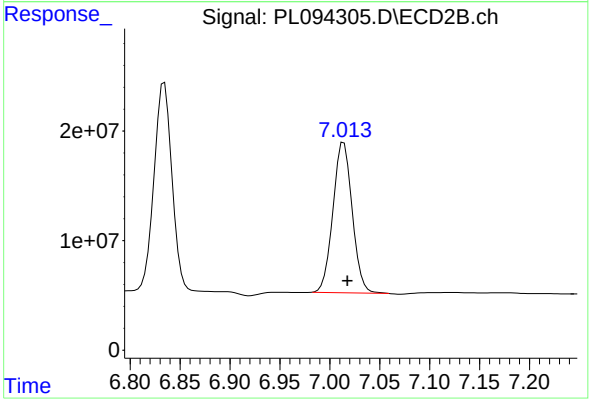
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: -0.005 min
Response: 237526093
Conc: 56.62 ng/ml



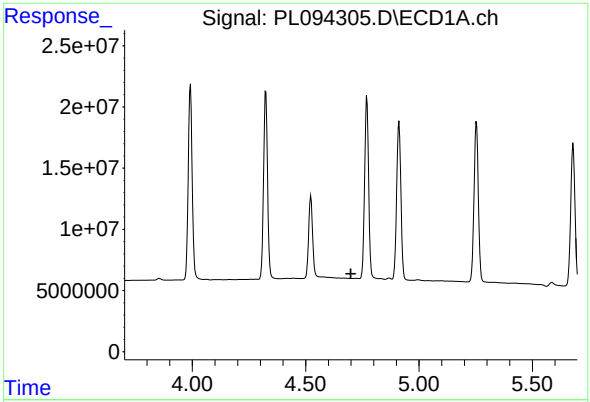
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.002 min
Response: 103496157
Conc: 49.70 ng/ml



#22 Mirex

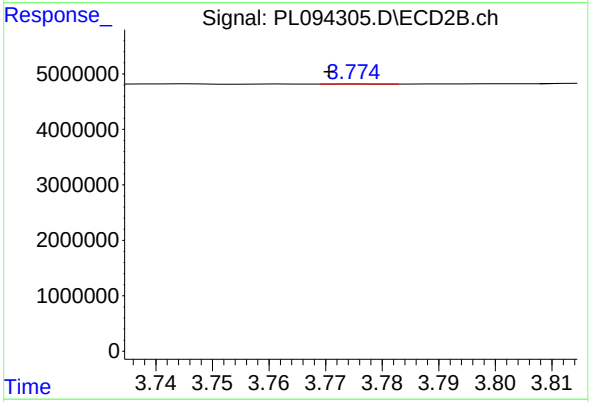
R.T.: 7.014 min
Delta R.T.: -0.004 min
Response: 184386496
Conc: 54.52 ng/ml



#23 Chlordane-1

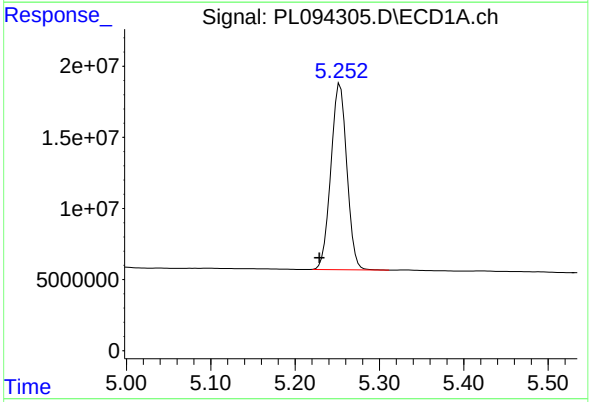
R.T.: 0.000 min
Exp R.T. : 4.700 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



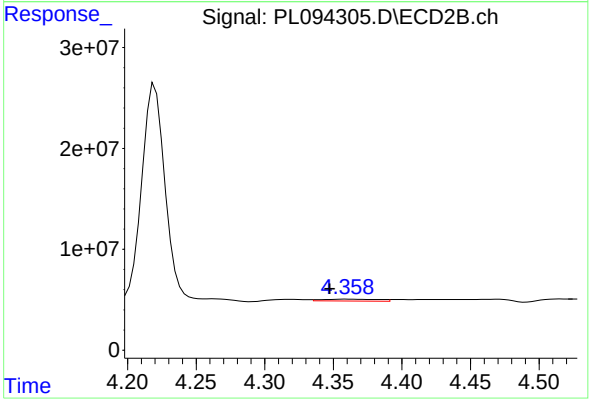
#23 Chlordane-1

R.T.: 3.776 min
Delta R.T.: 0.006 min
Response: 15158
Conc: 0.12 ng/ml



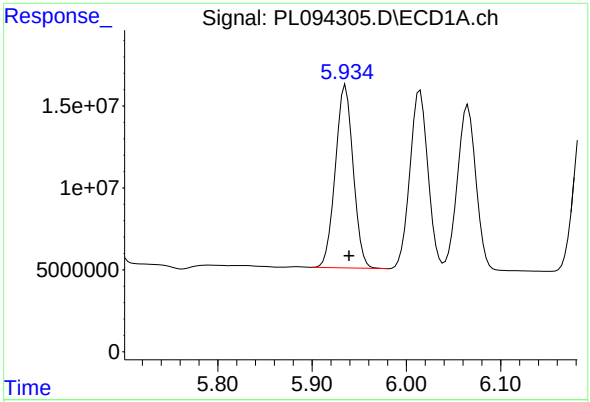
#24 Chlordane-2

R.T.: 5.253 min
Delta R.T.: 0.024 min
Response: 172023050
Conc: 1469.27 ng/ml



#24 Chlordane-2

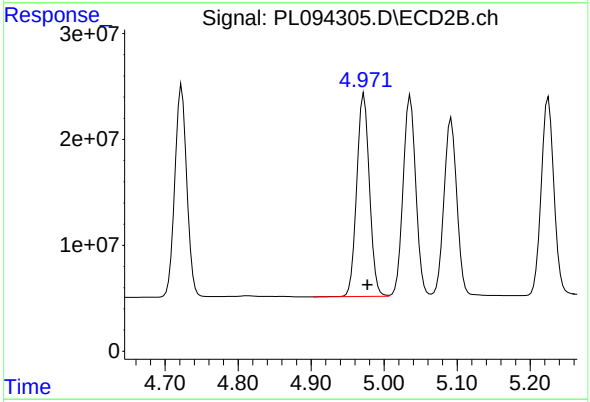
R.T.: 4.360 min
Delta R.T.: 0.012 min
Response: 5394319
Conc: 36.77 ng/ml



#25 Chlordane-3

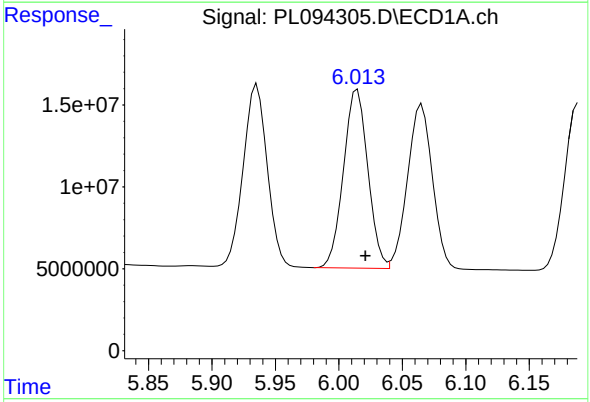
R.T.: 5.936 min
Delta R.T.: -0.004 min
Response: 146677848
Conc: 373.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



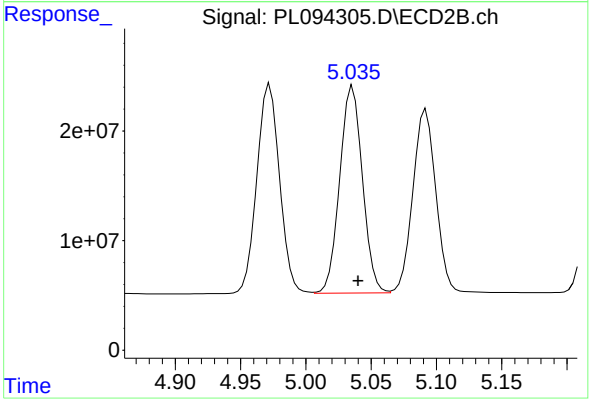
#25 Chlordane-3

R.T.: 4.972 min
Delta R.T.: -0.005 min
Response: 231476706
Conc: 532.35 ng/ml



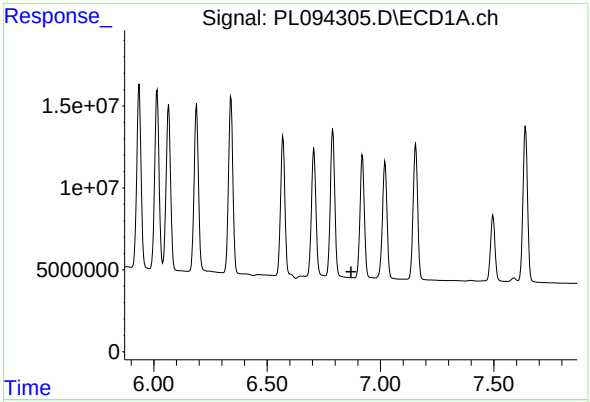
#26 Chlordane-4

R.T.: 6.015 min
Delta R.T.: -0.006 min
Response: 145691930
Conc: 309.91 ng/ml



#26 Chlordane-4

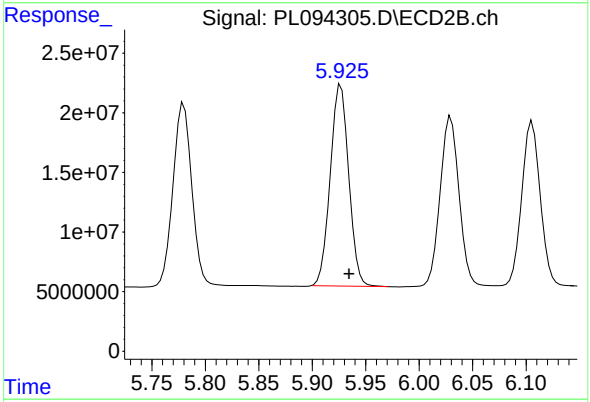
R.T.: 5.036 min
Delta R.T.: -0.004 min
Response: 228726134
Conc: 539.87 ng/ml



#27 Chlordane-5

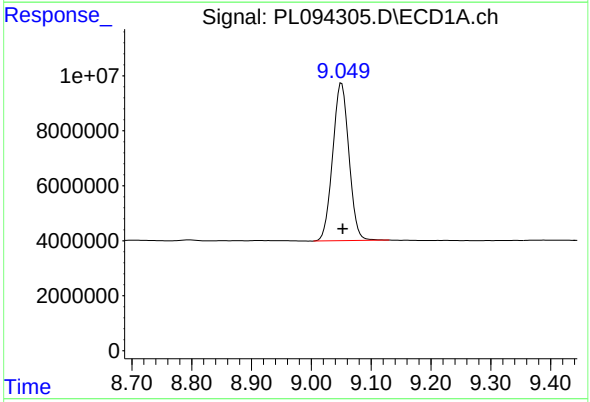
R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



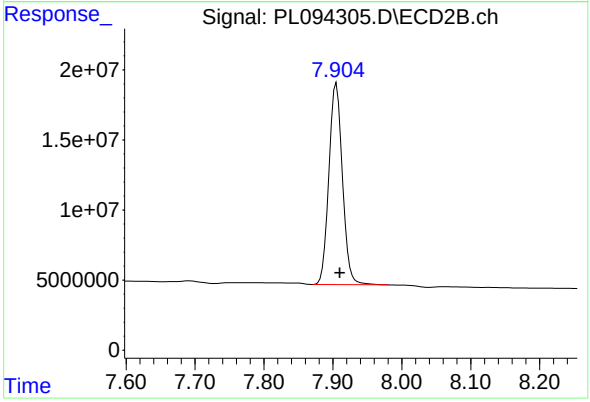
#27 Chlordane-5

R.T.: 5.927 min
Delta R.T.: -0.008 min
Response: 203333746
Conc: 1327.57 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.002 min
Response: 108369015
Conc: 51.80 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.905 min
Delta R.T.: -0.005 min
Response: 195996226
Conc: 55.93 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094309.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 16:21
Operator : AR\AJ
Sample : PB166775BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166775BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:39:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.773	53715146	64541691	19.948	19.773	
28)	SA Decachlor...	9.055	7.908	48054692	85221513	22.972	24.321	
	Target Compounds							
2)	A alpha-BHC	3.995	3.275	185.1E6	249.8E6	48.287	51.100	
3)	MA gamma-BHC...	4.327	3.605	177.1E6	238.0E6	48.076	50.192	
4)	MA Heptachlor	4.915	3.943	169.3E6	245.2E6	51.647	52.687	
5)	MB Aldrin	5.257	4.223	164.6E6	233.6E6	50.292	51.208	
6)	B beta-BHC	4.526	3.905	79805026	103.4E6	49.651	51.749	
7)	B delta-BHC	4.773	4.134	172.6E6	233.6E6	49.234	49.171	
8)	B Heptachlo...	5.683	4.725	150.2E6	222.7E6	50.497	53.284	
9)	A Endosulfan I	6.069	5.095	136.5E6	212.5E6	51.634	54.823	
10)	B gamma-Chl...	5.940	4.975	146.7E6	235.0E6	52.623	55.446	
11)	B alpha-Chl...	6.018	5.038	146.4E6	229.4E6	52.495	54.804	
12)	B 4,4'-DDE	6.192	5.227	135.6E6	225.5E6	55.689	56.249	
13)	MA Dieldrin	6.344	5.359	143.1E6	232.5E6	51.553	54.123	
14)	MA Endrin	6.574	5.634	109.4E6	186.1E6	46.674	50.397	
15)	B Endosulfa...	6.794	5.929	123.4E6	209.2E6	51.207	56.482	
16)	A 4,4'-DDD	6.710	5.782	108.6E6	187.8E6	57.151	59.495	
17)	MA 4,4'-DDT	7.023	6.032	105.5E6	181.8E6	53.505	55.861	
18)	B Endrin al...	6.924	6.109	99767264	166.4E6	51.319	54.641	
19)	B Endosulfa...	7.158	6.331	114.8E6	201.6E6	50.705	56.533	
20)	A Methoxychlor	7.500	6.608	52804643	96508336	50.608	53.971	
21)	B Endrin ke...	7.644	6.837	133.2E6	247.6E6	52.802	59.016	
22)	Mirex	8.116	7.017	98152968	176.0E6	47.133	52.038	
23)	Chlordane-1	0.000	3.765	0	88506	N.D.	0.709	#
24)	Chlordane-2	5.257f	4.362	164.6E6	1044683	1405.473	7.120	#
25)	Chlordane-3	5.940	4.975	146.7E6	235.0E6	373.932	540.363	#
26)	Chlordane-4	6.018	5.038	146.4E6	229.4E6	311.368	541.554	#
27)	Chlordane-5	0.000	5.929	0	209.2E6	N.D.	1365.853	#

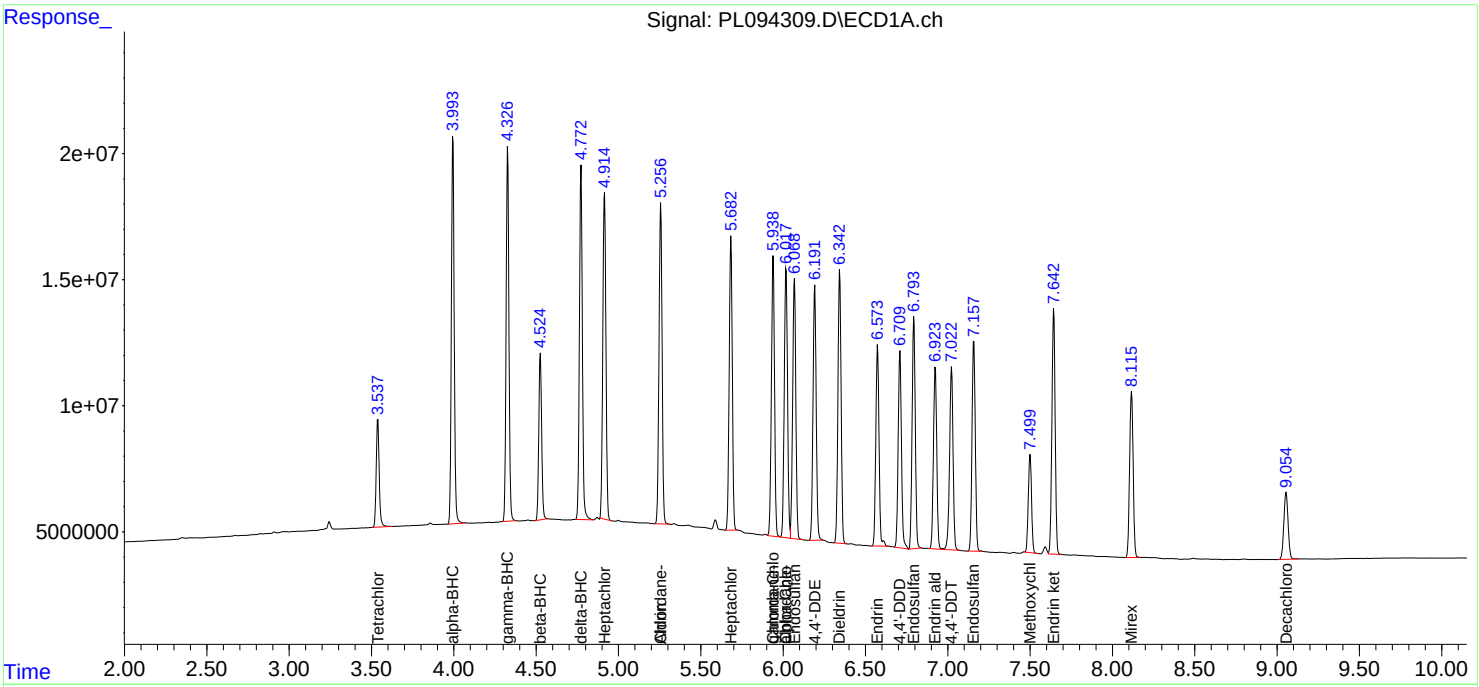
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

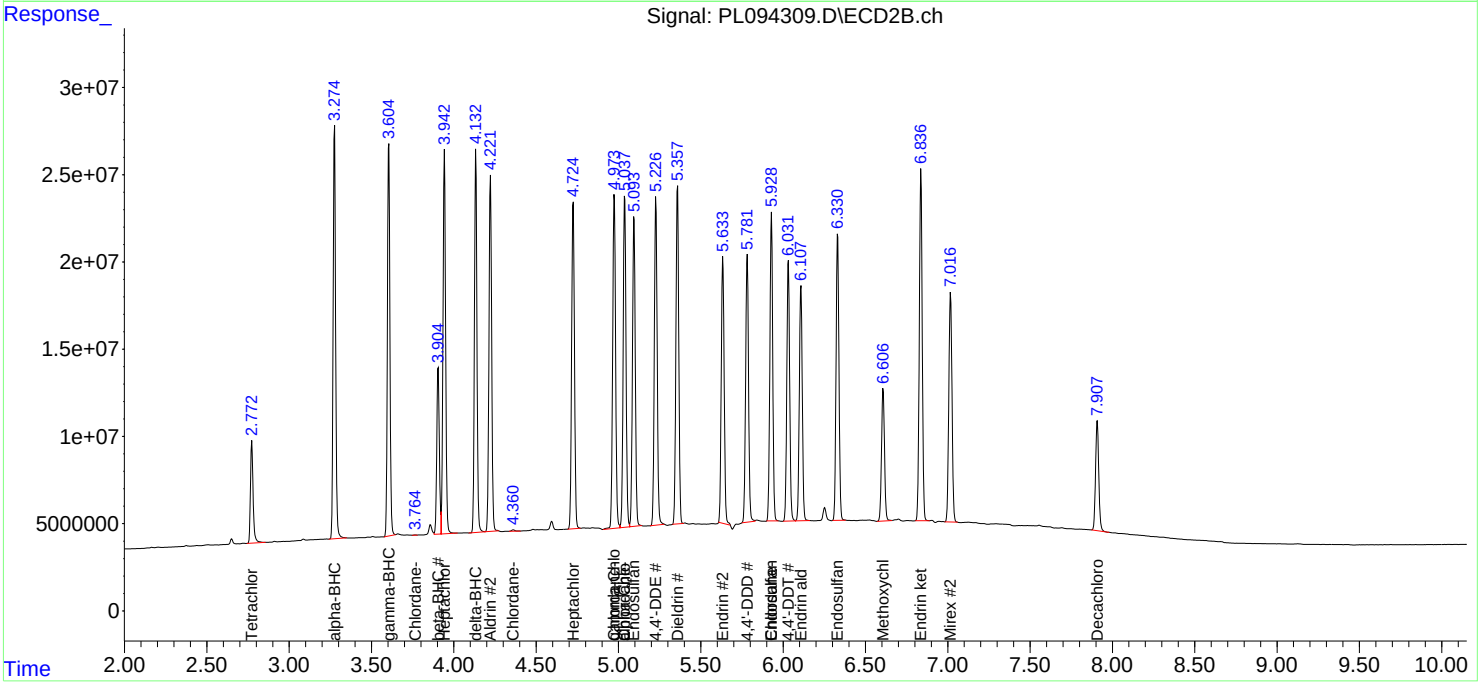
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094309.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 16:21
Operator : AR\AJ
Sample : PB166775BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

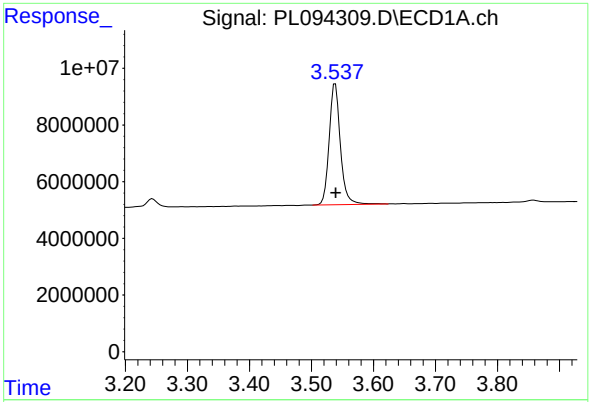
Instrument :
ECD_L
ClientSampleId :
PB166775BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:39:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



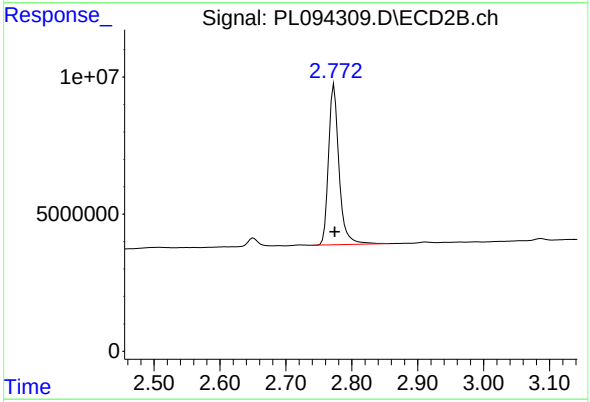




#1 Tetrachloro-m-xylene

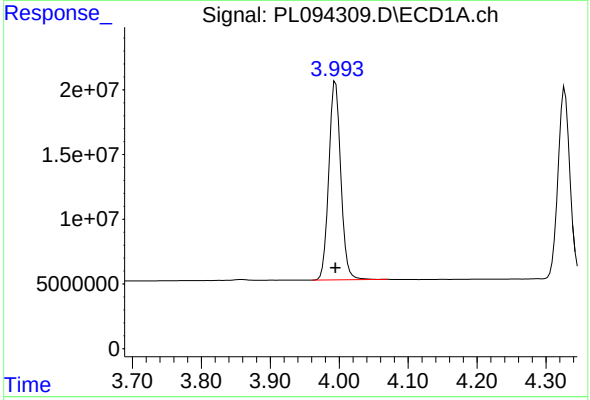
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 53715146
Conc: 19.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166775BS



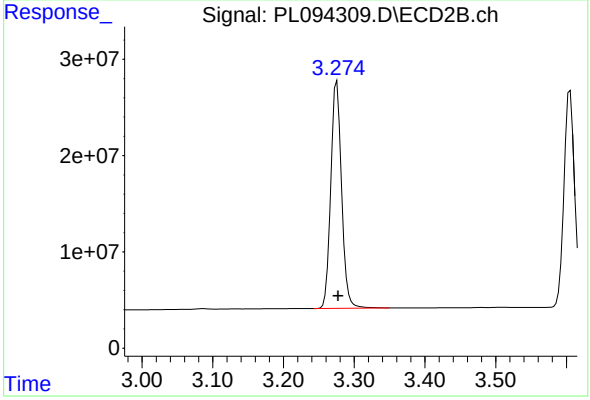
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: -0.001 min
Response: 64541691
Conc: 19.77 ng/ml



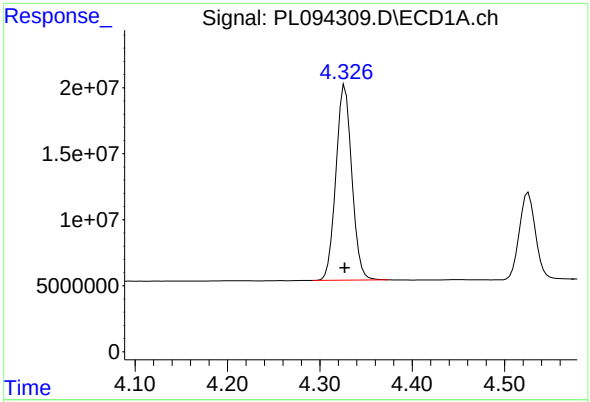
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 185125926
Conc: 48.29 ng/ml



#2 alpha-BHC

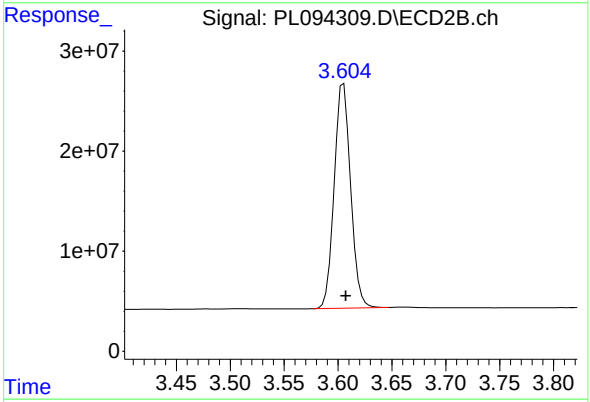
R.T.: 3.275 min
Delta R.T.: -0.001 min
Response: 249828392
Conc: 51.10 ng/ml



#3 gamma-BHC (Lindane)

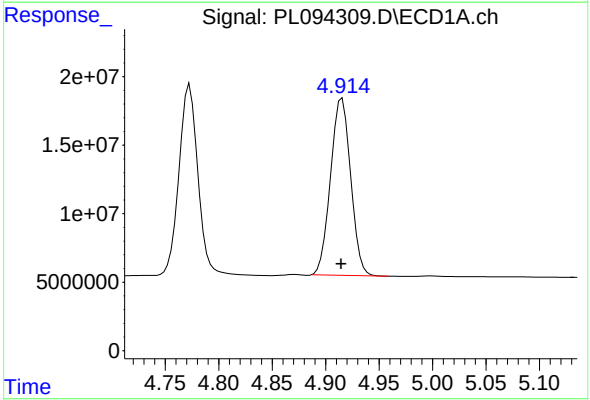
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 177058147
Conc: 48.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166775BS



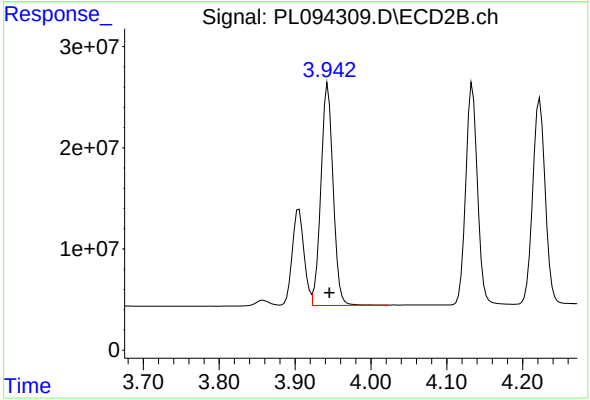
#3 gamma-BHC (Lindane)

R.T.: 3.605 min
Delta R.T.: -0.002 min
Response: 237969134
Conc: 50.19 ng/ml



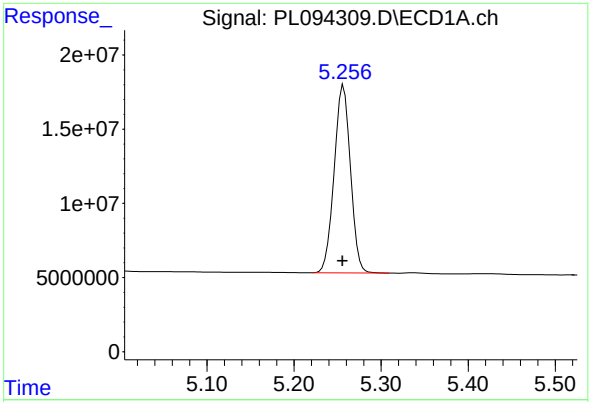
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 169264941
Conc: 51.65 ng/ml



#4 Heptachlor

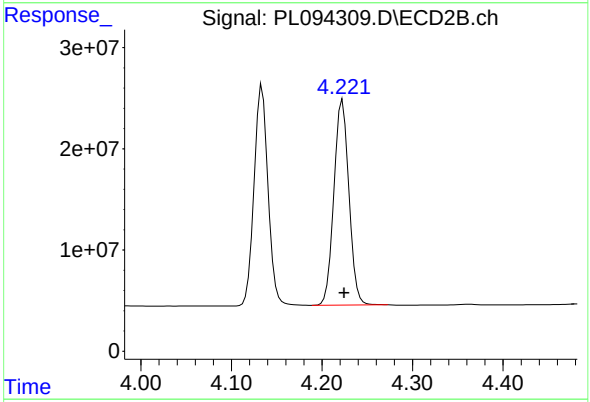
R.T.: 3.943 min
Delta R.T.: -0.002 min
Response: 245247697
Conc: 52.69 ng/ml



#5 Aldrin

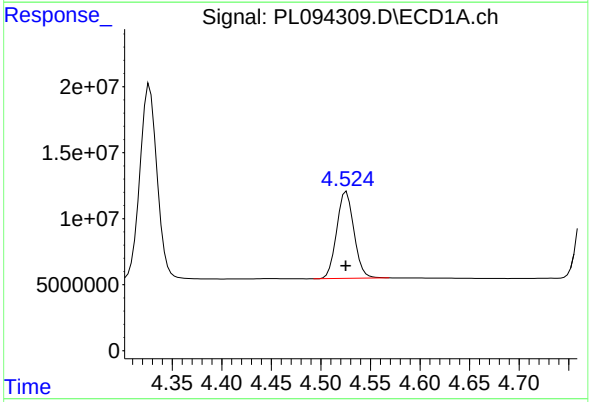
R.T.: 5.257 min
Delta R.T.: 0.001 min
Response: 164553767
Conc: 50.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166775BS



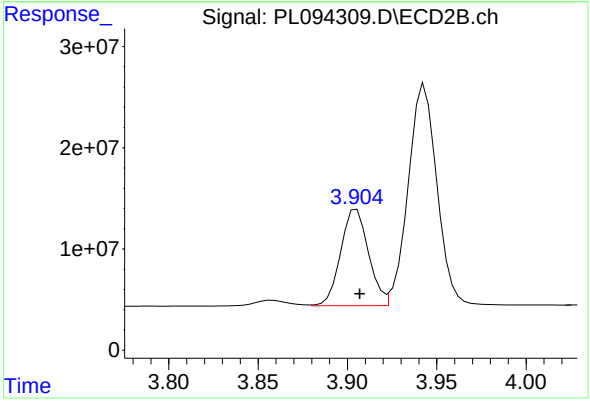
#5 Aldrin

R.T.: 4.223 min
Delta R.T.: -0.002 min
Response: 233601102
Conc: 51.21 ng/ml



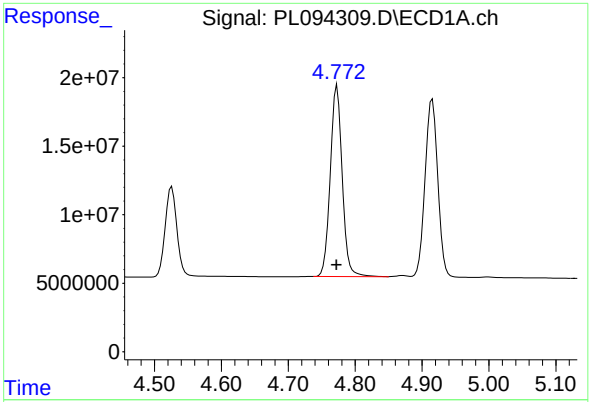
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 79805026
Conc: 49.65 ng/ml



#6 beta-BHC

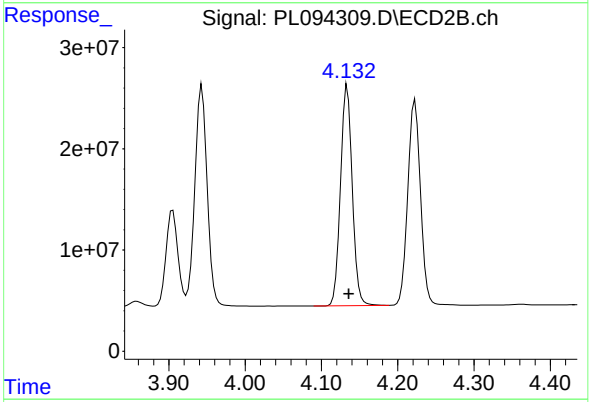
R.T.: 3.905 min
Delta R.T.: -0.002 min
Response: 103365581
Conc: 51.75 ng/ml



#7 delta-BHC

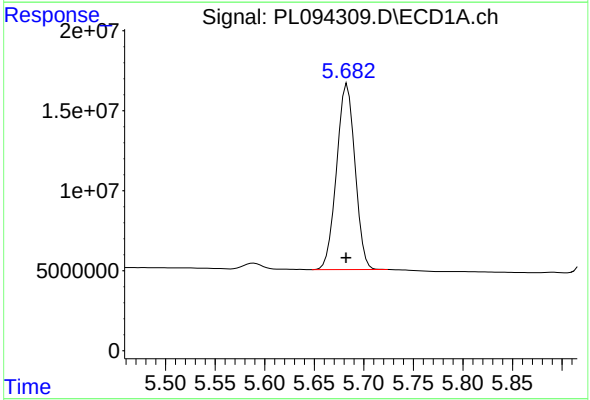
R.T.: 4.773 min
Delta R.T.: 0.001 min
Response: 172580120
Conc: 49.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166775BS



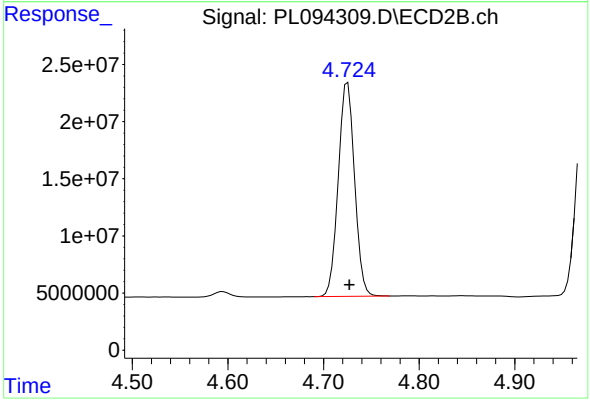
#7 delta-BHC

R.T.: 4.134 min
Delta R.T.: -0.002 min
Response: 233623442
Conc: 49.17 ng/ml



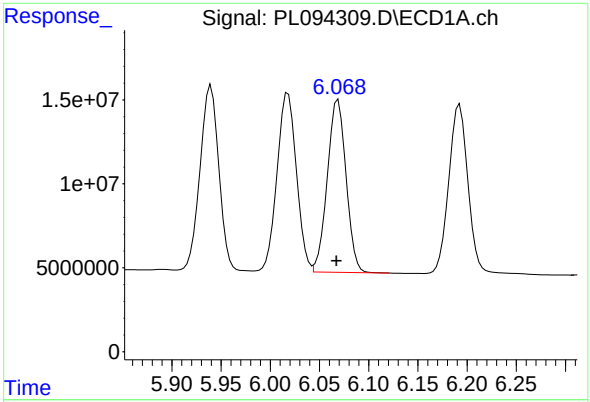
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.001 min
Response: 150168497
Conc: 50.50 ng/ml



#8 Heptachlor epoxide

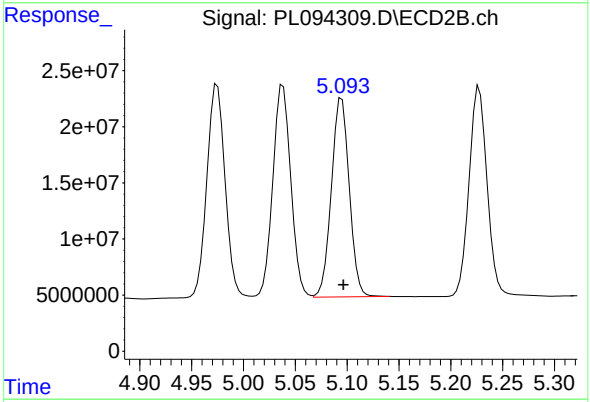
R.T.: 4.725 min
Delta R.T.: -0.002 min
Response: 222741551
Conc: 53.28 ng/ml



#9 Endosulfan I

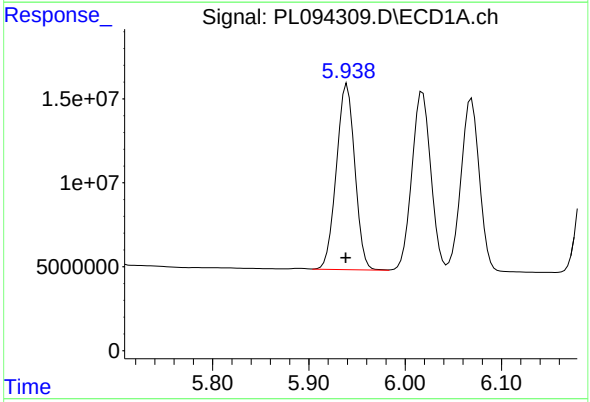
R.T.: 6.069 min
Delta R.T.: 0.002 min
Response: 136461216
Conc: 51.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166775BS



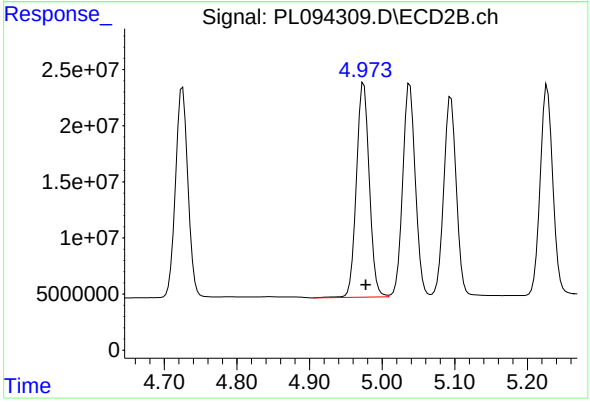
#9 Endosulfan I

R.T.: 5.095 min
Delta R.T.: -0.002 min
Response: 212545164
Conc: 54.82 ng/ml



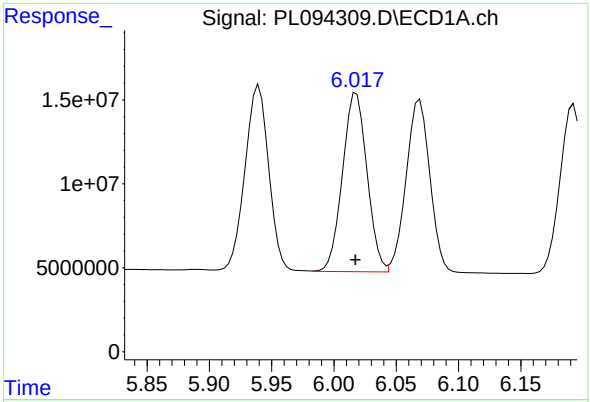
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.001 min
Response: 146680543
Conc: 52.62 ng/ml



#10 gamma-Chlordane

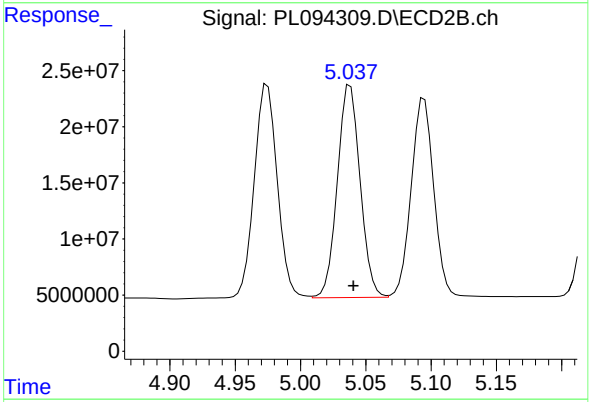
R.T.: 4.975 min
Delta R.T.: -0.002 min
Response: 234961261
Conc: 55.45 ng/ml



#11 alpha-Chlordane

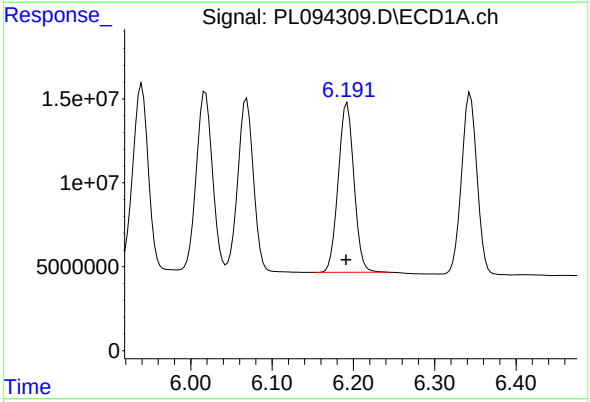
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 146376172
Conc: 52.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166775BS



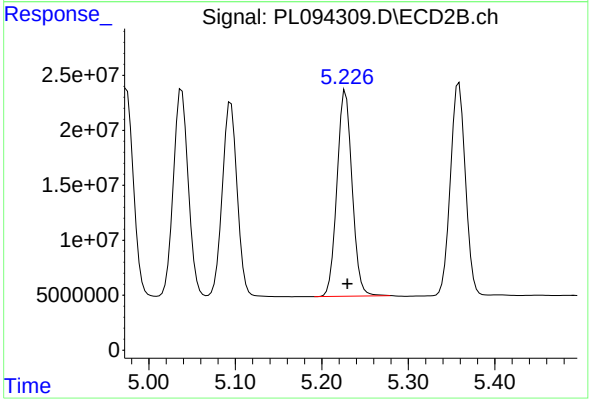
#11 alpha-Chlordane

R.T.: 5.038 min
Delta R.T.: -0.002 min
Response: 229439389
Conc: 54.80 ng/ml



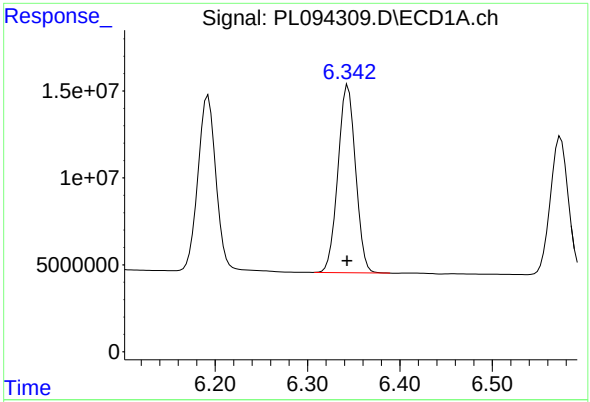
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.001 min
Response: 135580885
Conc: 55.69 ng/ml



#12 4,4'-DDE

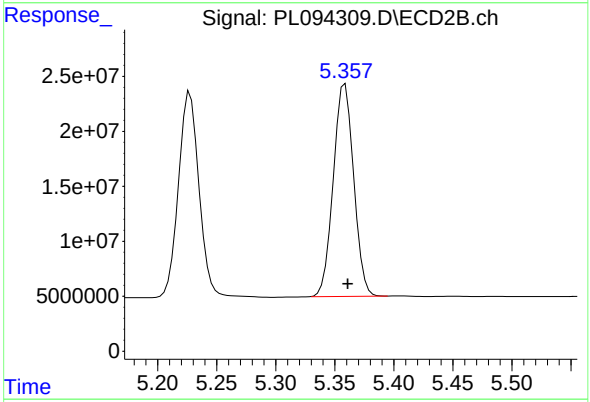
R.T.: 5.227 min
Delta R.T.: -0.002 min
Response: 225526926
Conc: 56.25 ng/ml



#13 Dieldrin

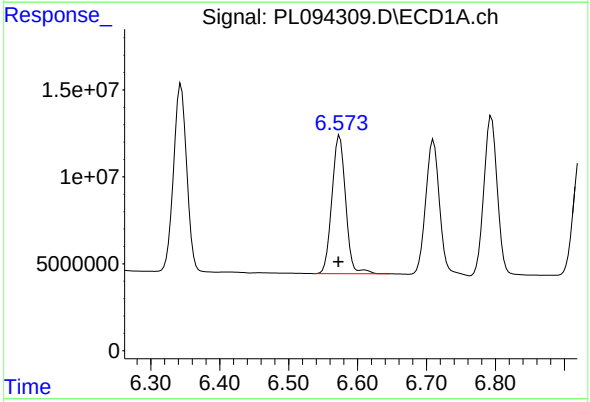
R.T.: 6.344 min
Delta R.T.: 0.001 min
Response: 143104689
Conc: 51.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166775BS



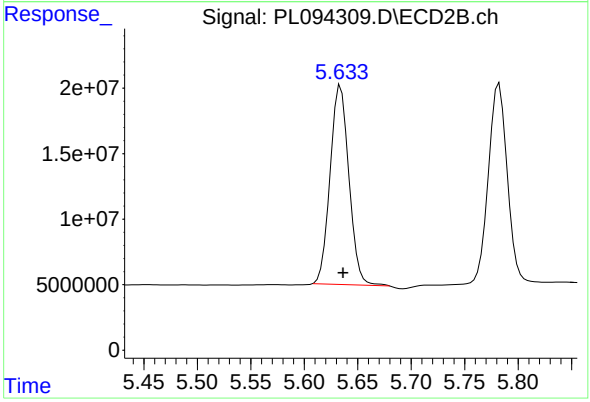
#13 Dieldrin

R.T.: 5.359 min
Delta R.T.: -0.002 min
Response: 232495053
Conc: 54.12 ng/ml



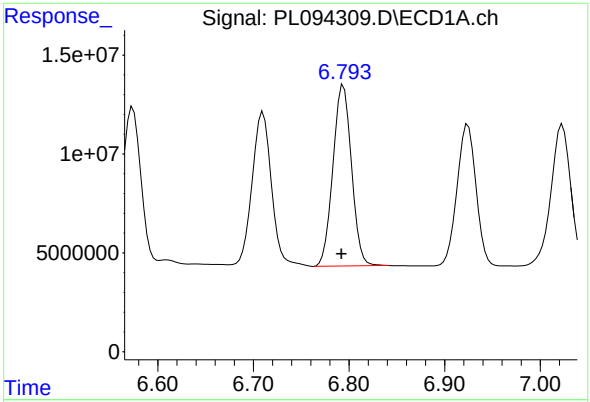
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.002 min
Response: 109442993
Conc: 46.67 ng/ml



#14 Endrin

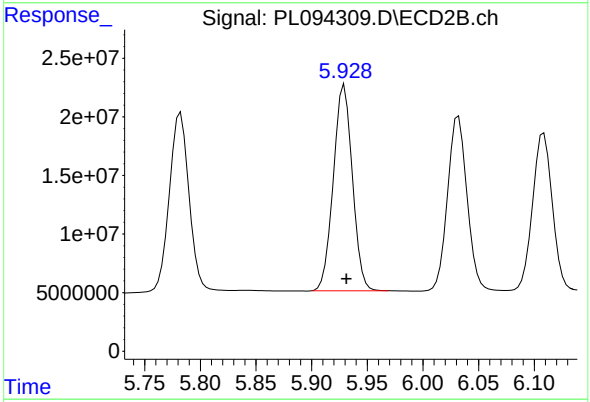
R.T.: 5.634 min
Delta R.T.: -0.002 min
Response: 186099786
Conc: 50.40 ng/ml



#15 Endosulfan II

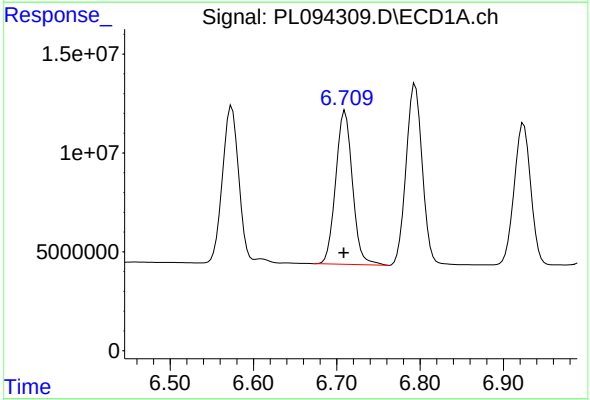
R.T.: 6.794 min
Delta R.T.: 0.002 min
Response: 123376488
Conc: 51.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166775BS



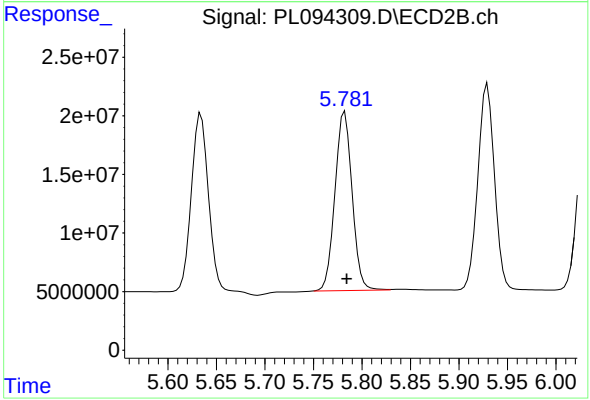
#15 Endosulfan II

R.T.: 5.929 min
Delta R.T.: -0.002 min
Response: 209197914
Conc: 56.48 ng/ml



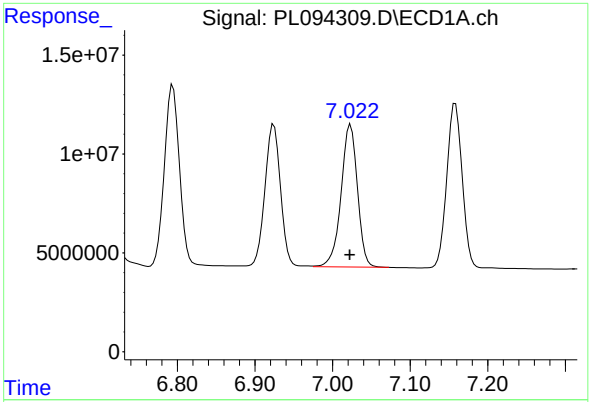
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.002 min
Response: 108619066
Conc: 57.15 ng/ml



#16 4,4'-DDD

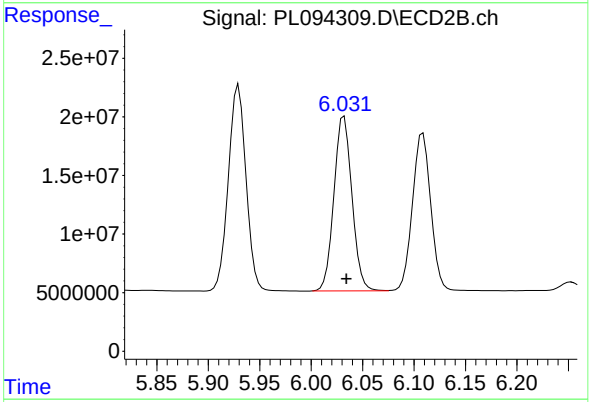
R.T.: 5.782 min
Delta R.T.: -0.002 min
Response: 187798364
Conc: 59.50 ng/ml



#17 4,4'-DDT

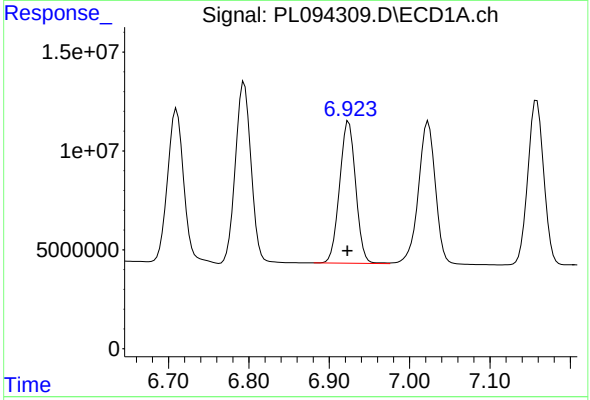
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 105515118
Conc: 53.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166775BS



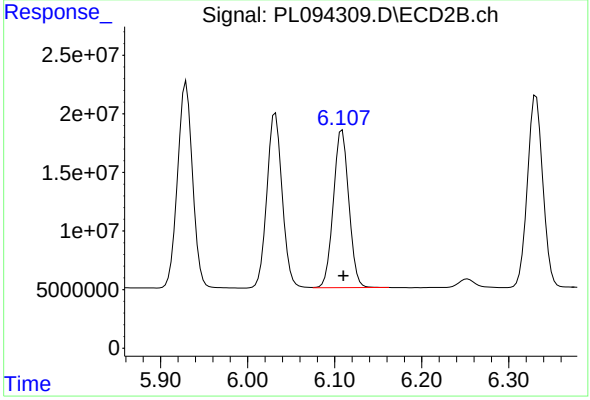
#17 4,4'-DDT

R.T.: 6.032 min
Delta R.T.: -0.002 min
Response: 181775567
Conc: 55.86 ng/ml



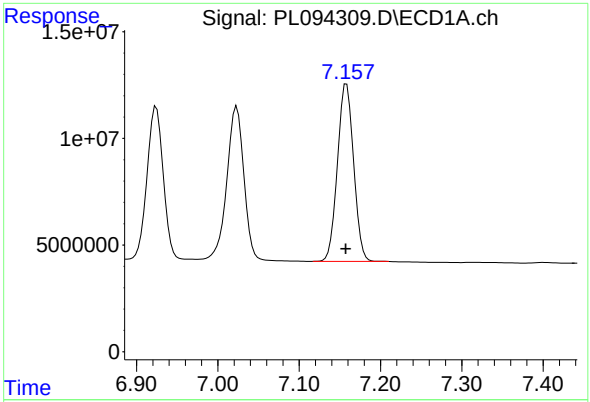
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.002 min
Response: 99767264
Conc: 51.32 ng/ml



#18 Endrin aldehyde

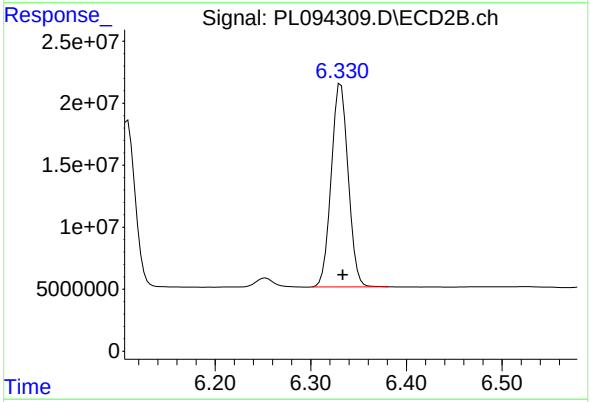
R.T.: 6.109 min
Delta R.T.: -0.001 min
Response: 166360981
Conc: 54.64 ng/ml



#19 Endosulfan Sulfate

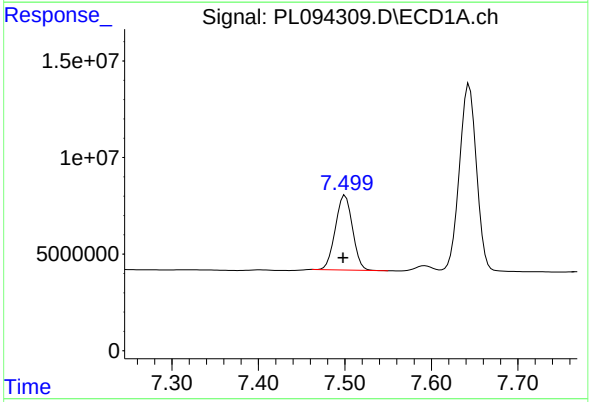
R.T.: 7.158 min
Delta R.T.: 0.001 min
Response: 114782013
Conc: 50.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166775BS



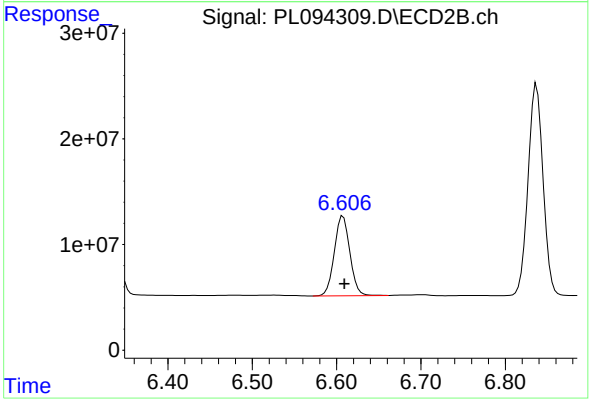
#19 Endosulfan Sulfate

R.T.: 6.331 min
Delta R.T.: -0.002 min
Response: 201601973
Conc: 56.53 ng/ml



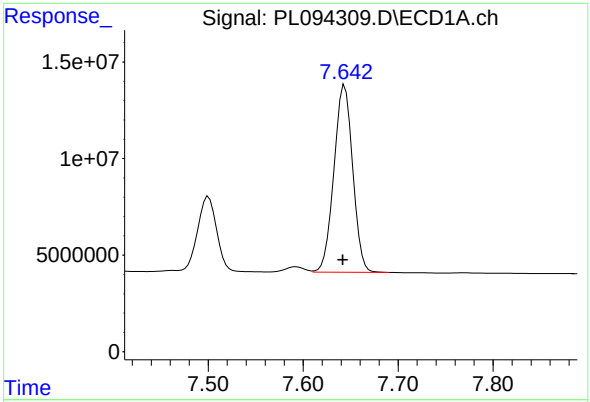
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.002 min
Response: 52804643
Conc: 50.61 ng/ml



#20 Methoxychlor

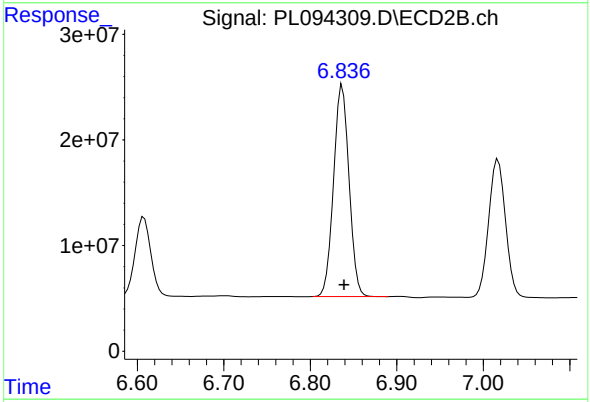
R.T.: 6.608 min
Delta R.T.: -0.002 min
Response: 96508336
Conc: 53.97 ng/ml



#21 Endrin ketone

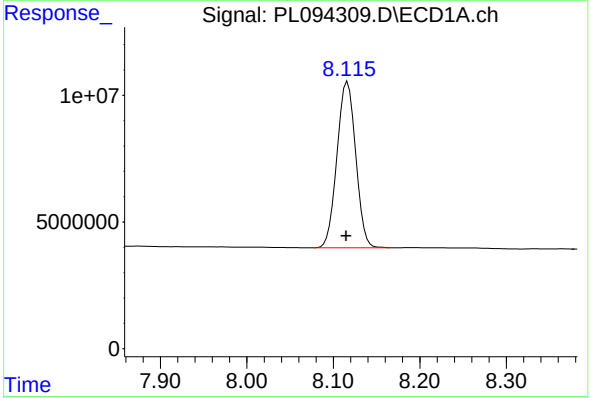
R.T.: 7.644 min
Delta R.T.: 0.002 min
Response: 133199620
Conc: 52.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166775BS



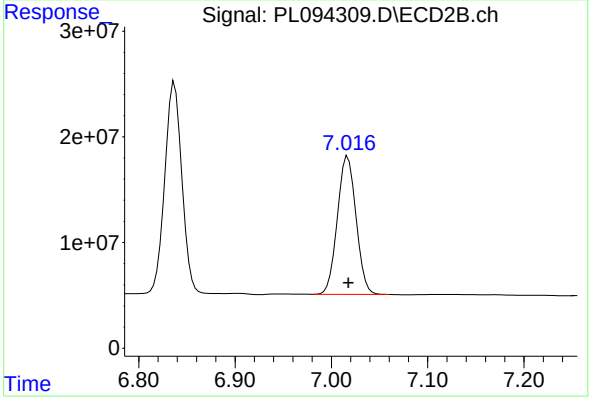
#21 Endrin ketone

R.T.: 6.837 min
Delta R.T.: -0.002 min
Response: 247588210
Conc: 59.02 ng/ml



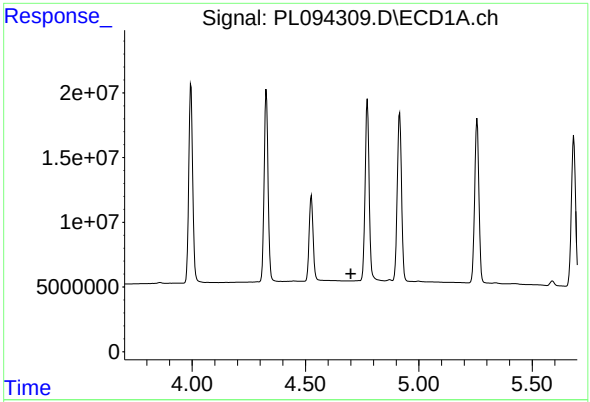
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.002 min
Response: 98152968
Conc: 47.13 ng/ml



#22 Mirex

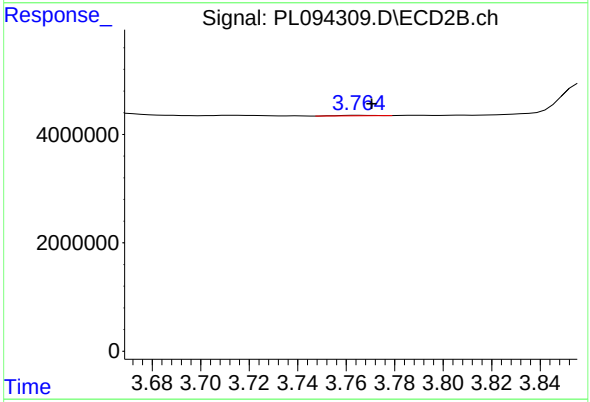
R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 175985173
Conc: 52.04 ng/ml



#23 Chlordane-1

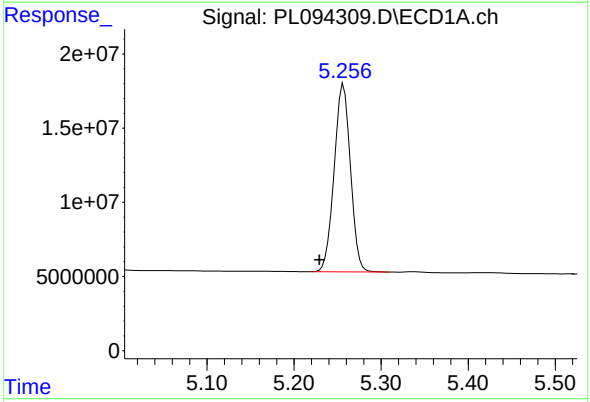
R.T.: 0.000 min
Exp R.T. : 4.700 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PB166775BS



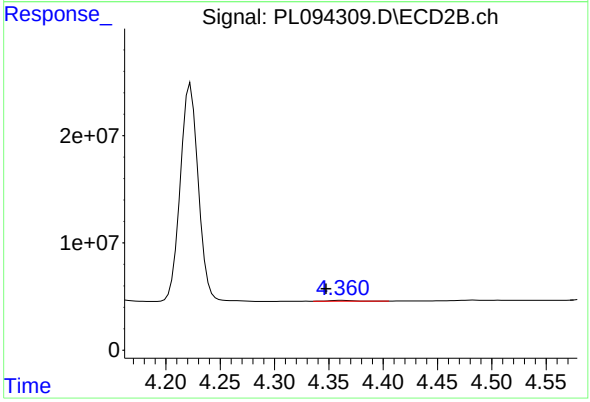
#23 Chlordane-1

R.T.: 3.765 min
Delta R.T.: -0.006 min
Response: 88506
Conc: 0.71 ng/ml



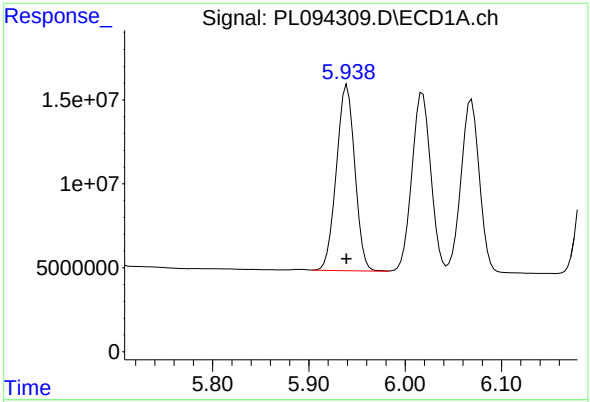
#24 Chlordane-2

R.T.: 5.257 min
Delta R.T.: 0.028 min
Response: 164553767
Conc: 1405.47 ng/ml



#24 Chlordane-2

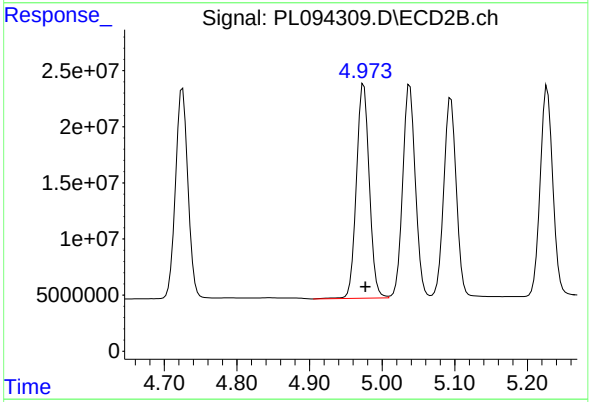
R.T.: 4.362 min
Delta R.T.: 0.015 min
Response: 1044683
Conc: 7.12 ng/ml



#25 Chlordane-3

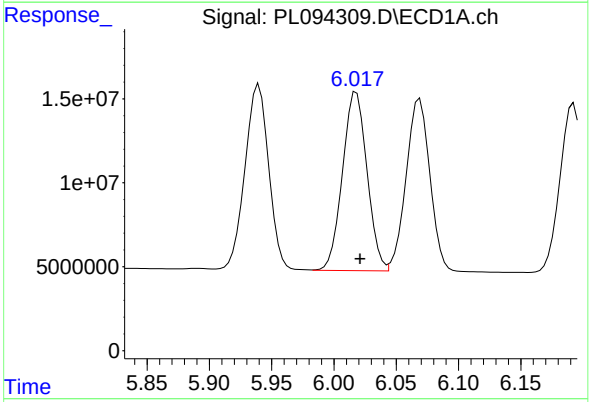
R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 146680543
Conc: 373.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166775BS



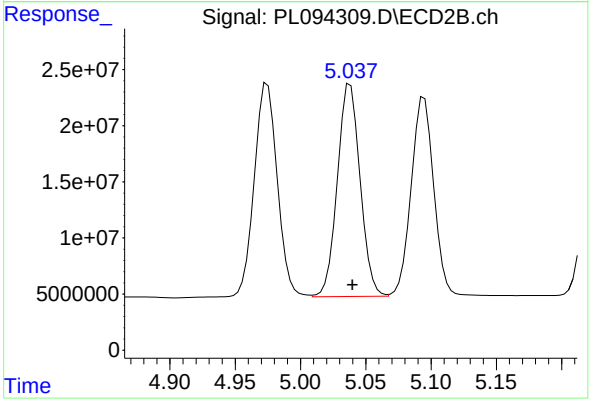
#25 Chlordane-3

R.T.: 4.975 min
Delta R.T.: -0.002 min
Response: 234961261
Conc: 540.36 ng/ml



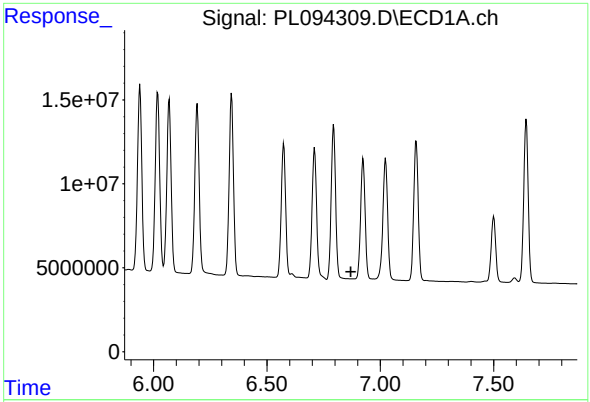
#26 Chlordane-4

R.T.: 6.018 min
Delta R.T.: -0.003 min
Response: 146376172
Conc: 311.37 ng/ml



#26 Chlordane-4

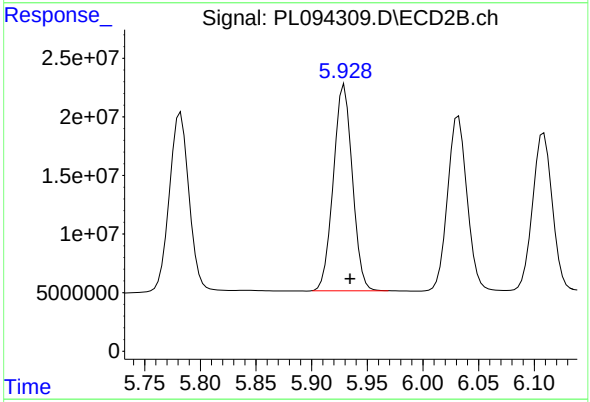
R.T.: 5.038 min
Delta R.T.: -0.002 min
Response: 229439389
Conc: 541.55 ng/ml



#27 Chlordane-5

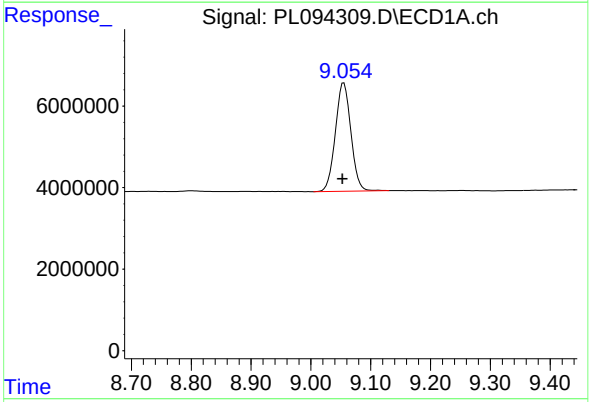
R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PB166775BS



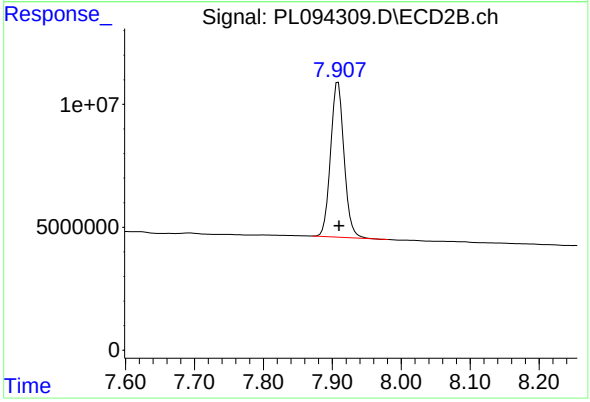
#27 Chlordane-5

R.T.: 5.929 min
Delta R.T.: -0.005 min
Response: 209197914
Conc: 1365.85 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.002 min
Response: 48054692
Conc: 22.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.908 min
Delta R.T.: -0.001 min
Response: 85221513
Conc: 24.32 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094313.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 18:12
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:40:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.772	137.2E6	178.2E6	50.943	54.589	
28)	SA Decachlor...	9.053	7.906	111.7E6	207.9E6	53.390	59.323	
	Target Compounds							
2)	A alpha-BHC	3.993	3.274	199.9E6	274.0E6	52.147	56.049	
3)	MA gamma-BHC...	4.326	3.604	193.9E6	266.0E6	52.653	56.112	
4)	MA Heptachlor	4.913	3.942	172.6E6	255.2E6	52.652	54.826	
5)	MB Aldrin	5.255	4.221	179.0E6	260.7E6	54.695	57.156	
6)	B beta-BHC	4.524	3.904	83821111	110.3E6	52.149	55.212	
7)	B delta-BHC	4.771	4.132	189.3E6	267.2E6	54.017	56.229	
8)	B Heptachlo...	5.682	4.723	159.9E6	237.8E6	53.785	56.883	
9)	A Endosulfan I	6.067	5.093	141.4E6	213.8E6	53.513	55.146	
10)	B gamma-Chl...	5.938	4.974	152.2E6	243.1E6	54.611	57.362	
11)	B alpha-Chl...	6.017	5.037	151.4E6	239.2E6	54.305	57.143	
12)	B 4,4'-DDE	6.191	5.226	140.9E6	238.7E6	57.864	59.524	
13)	MA Dieldrin	6.343	5.358	149.1E6	244.1E6	53.702	56.821	
14)	MA Endrin	6.573	5.633	118.1E6	194.0E6	50.364	52.536	
15)	B Endosulfa...	6.793	5.928	127.1E6	212.3E6	52.765	57.332	
16)	A 4,4'-DDD	6.708	5.781	112.4E6	201.0E6	59.164	63.678	
17)	MA 4,4'-DDT	7.022	6.031	100.9E6	178.1E6	51.172	54.741	
18)	B Endrin al...	6.923	6.108	104.2E6	175.0E6	53.587	57.491	
19)	B Endosulfa...	7.157	6.330	117.4E6	204.7E6	51.848	57.407	
20)	A Methoxychlor	7.499	6.606	54433928	96904993	52.170	54.193	
21)	B Endrin ke...	7.642	6.835	137.5E6	253.1E6	54.509	60.325	
22)	Mirex	8.115	7.015	107.3E6	193.9E6	51.523	57.333	
24)	Chlordane-2	5.255f	4.361	179.0E6	4181829	1528.509	28.502	#
25)	Chlordane-3	5.938	4.974	152.2E6	243.1E6	388.058	559.031	#
26)	Chlordane-4	6.017	5.037	151.4E6	239.2E6	322.103	564.671	#
27)	Chlordane-5	0.000	5.928	0	212.3E6	N.D.	1386.408	#

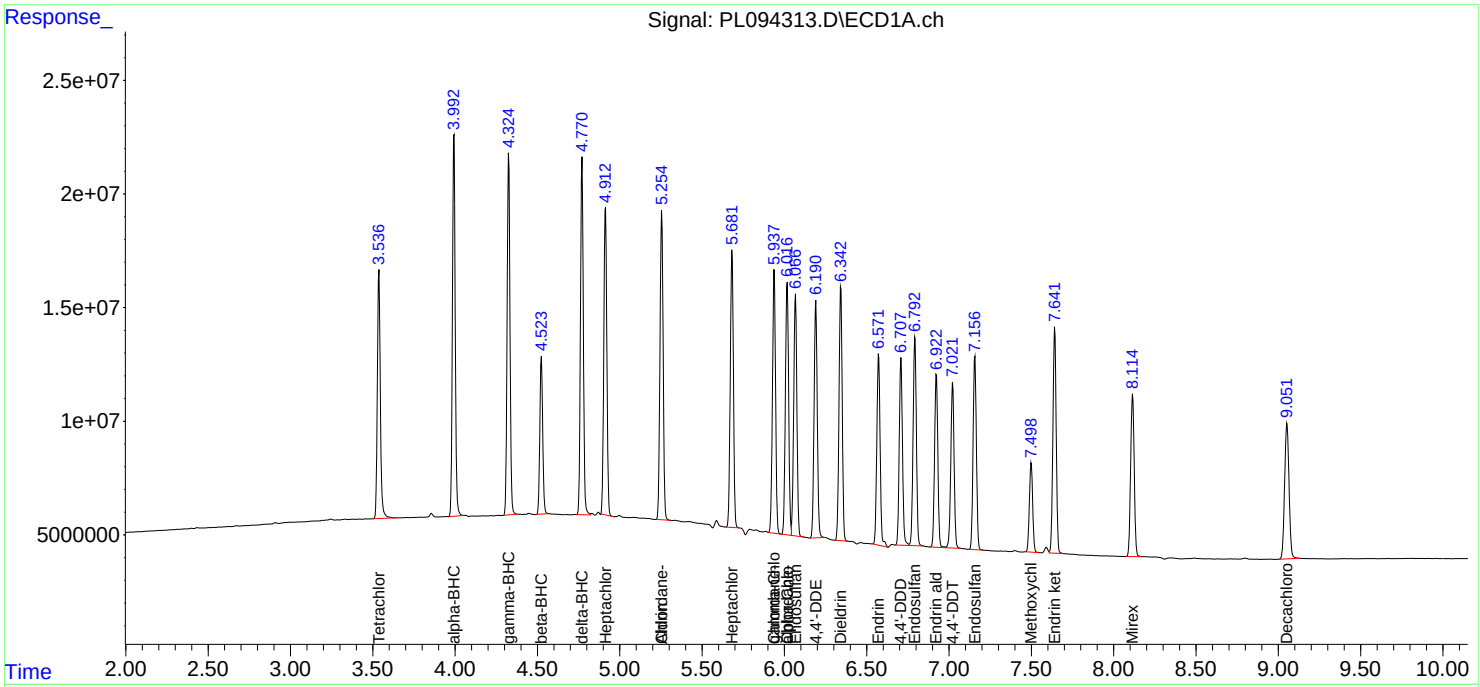
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

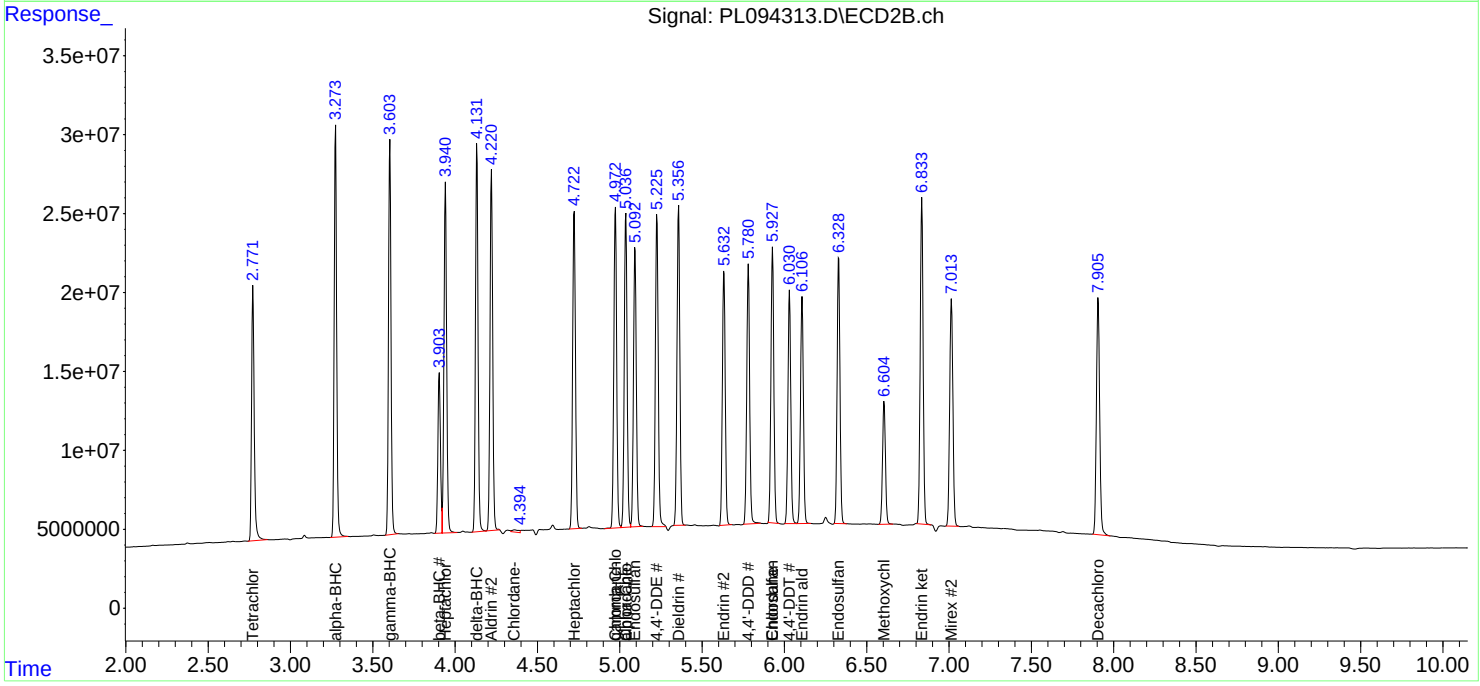
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL022025\
Data File : PL094313.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Feb 2025 18:12
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

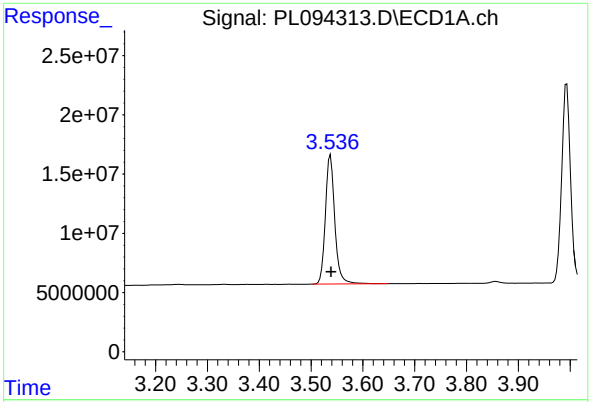
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 01:40:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



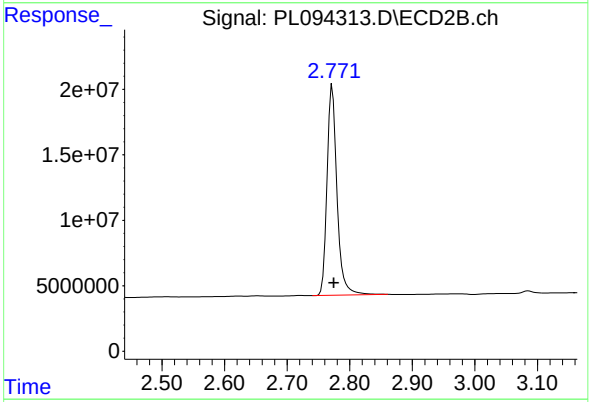




#1 Tetrachloro-m-xylene

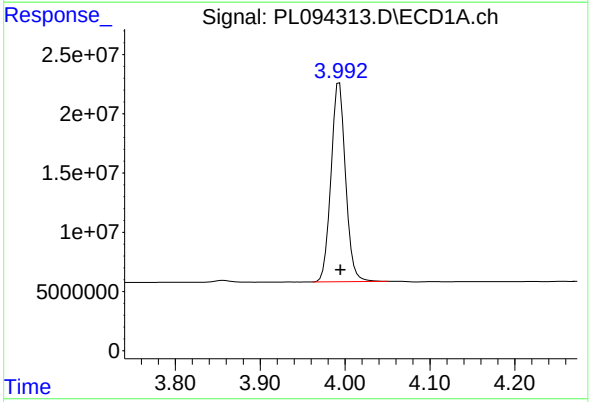
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 137177068
Conc: 50.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



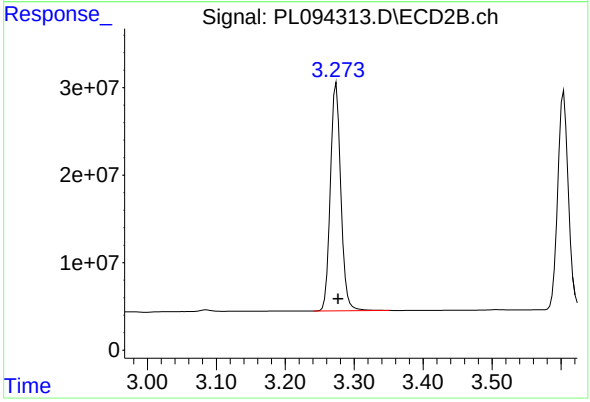
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: -0.002 min
Response: 178187116
Conc: 54.59 ng/ml



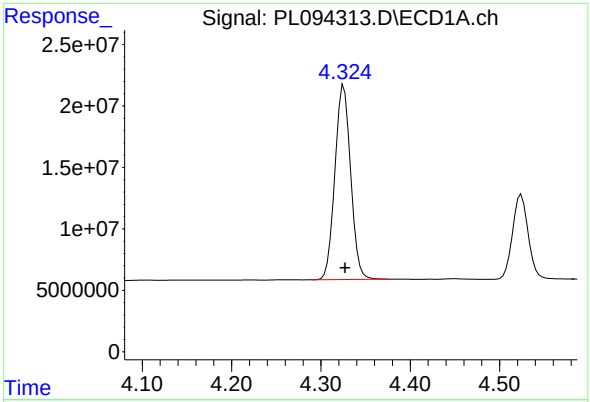
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 199923160
Conc: 52.15 ng/ml



#2 alpha-BHC

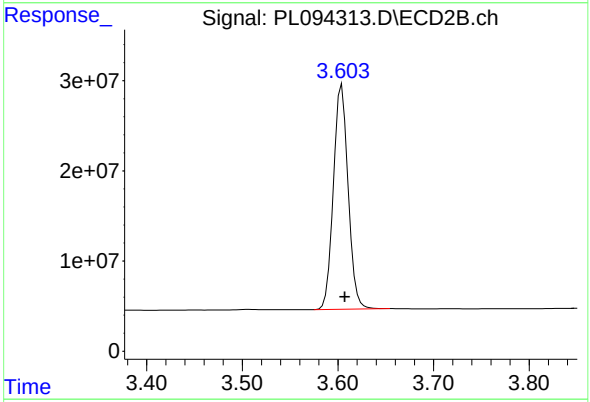
R.T.: 3.274 min
Delta R.T.: -0.003 min
Response: 274021265
Conc: 56.05 ng/ml



#3 gamma-BHC (Lindane)

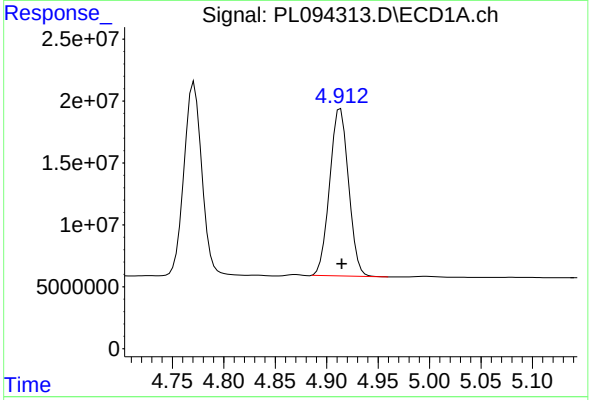
R.T.: 4.326 min
Delta R.T.: -0.001 min
Response: 193911198
Conc: 52.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



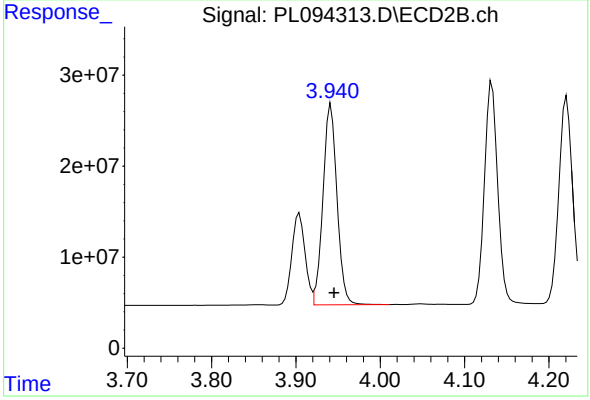
#3 gamma-BHC (Lindane)

R.T.: 3.604 min
Delta R.T.: -0.003 min
Response: 266037635
Conc: 56.11 ng/ml



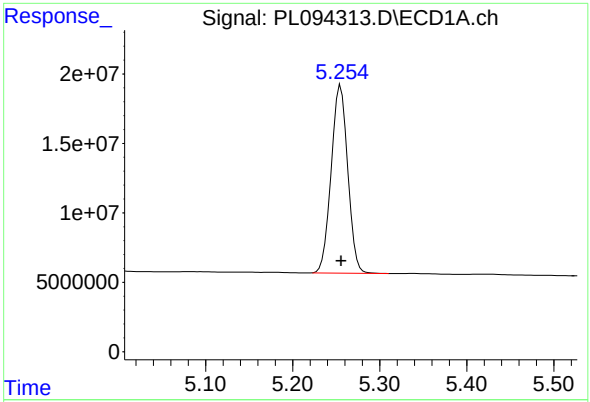
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: -0.001 min
Response: 172559330
Conc: 52.65 ng/ml



#4 Heptachlor

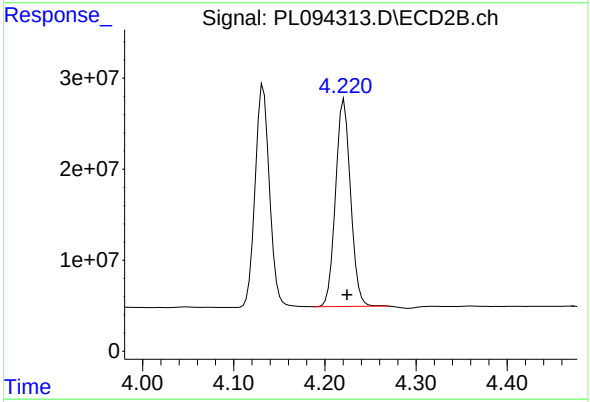
R.T.: 3.942 min
Delta R.T.: -0.004 min
Response: 255205314
Conc: 54.83 ng/ml



#5 Aldrin

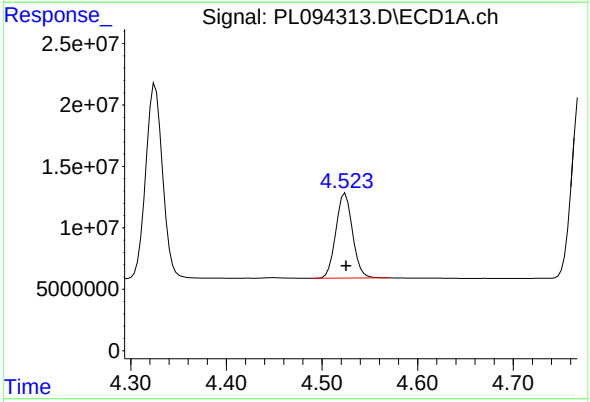
R.T.: 5.255 min
Delta R.T.: 0.000 min
Response: 178958898
Conc: 54.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



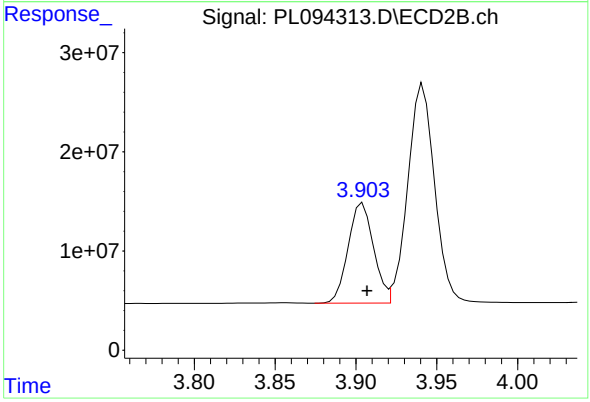
#5 Aldrin

R.T.: 4.221 min
Delta R.T.: -0.003 min
Response: 260735586
Conc: 57.16 ng/ml



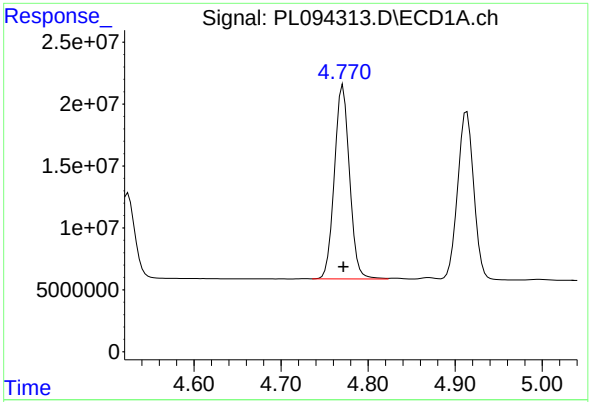
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 83821111
Conc: 52.15 ng/ml



#6 beta-BHC

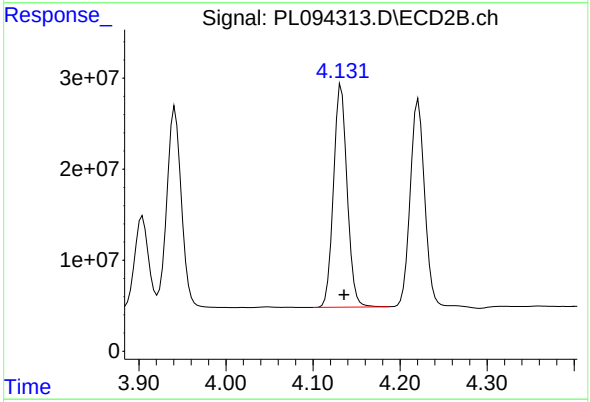
R.T.: 3.904 min
Delta R.T.: -0.003 min
Response: 110282356
Conc: 55.21 ng/ml



#7 delta-BHC

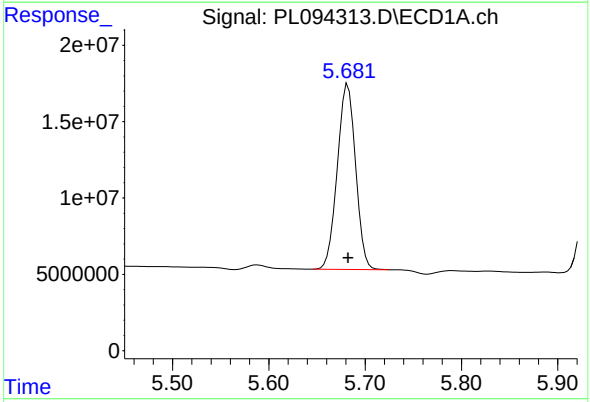
R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 189346380
Conc: 54.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



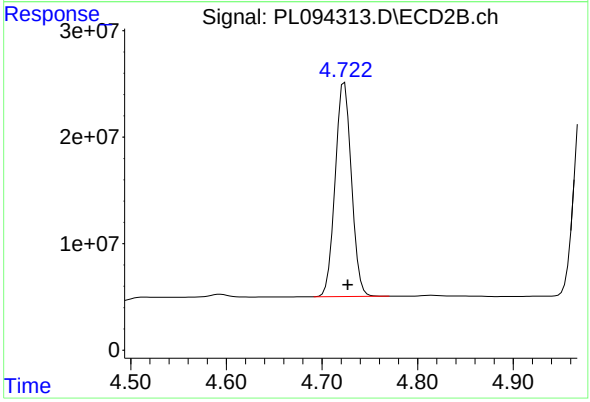
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.003 min
Response: 267157772
Conc: 56.23 ng/ml



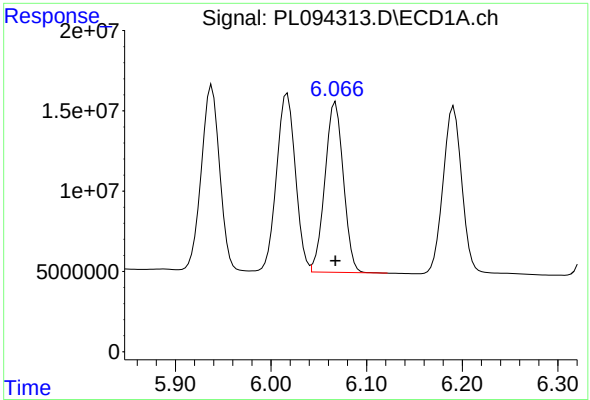
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 159948083
Conc: 53.79 ng/ml



#8 Heptachlor epoxide

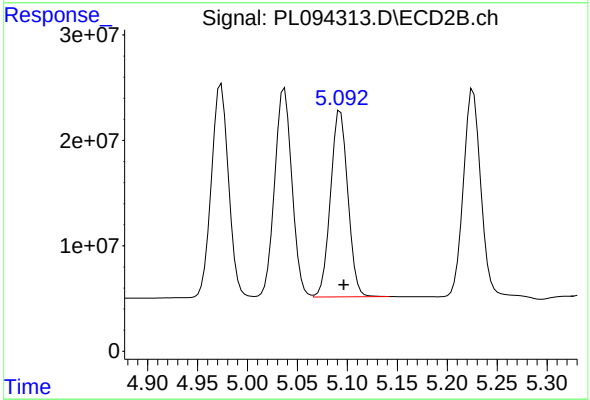
R.T.: 4.723 min
Delta R.T.: -0.003 min
Response: 237786068
Conc: 56.88 ng/ml



#9 Endosulfan I

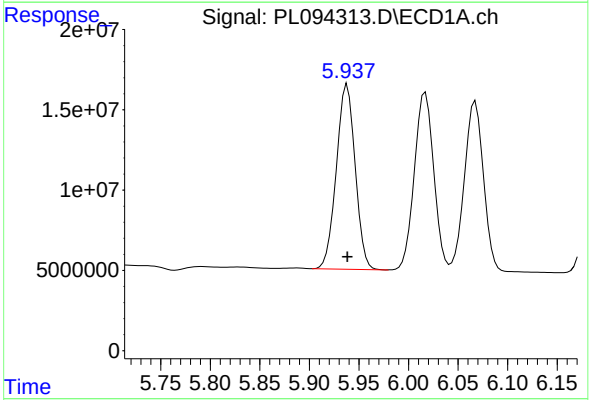
R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 141427403
Conc: 53.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



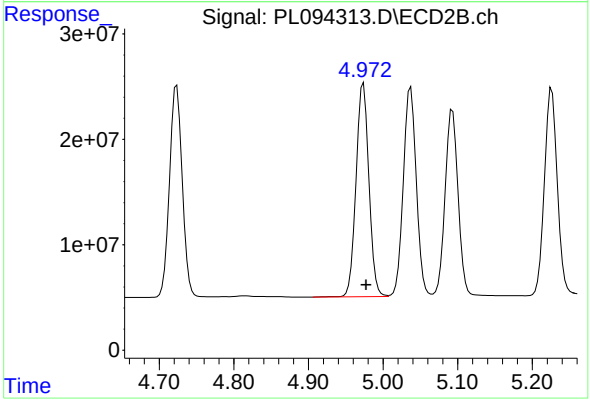
#9 Endosulfan I

R.T.: 5.093 min
Delta R.T.: -0.003 min
Response: 213796705
Conc: 55.15 ng/ml



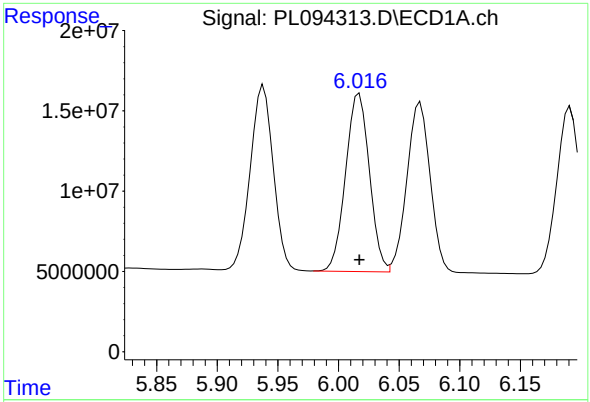
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 152221668
Conc: 54.61 ng/ml



#10 gamma-Chlordane

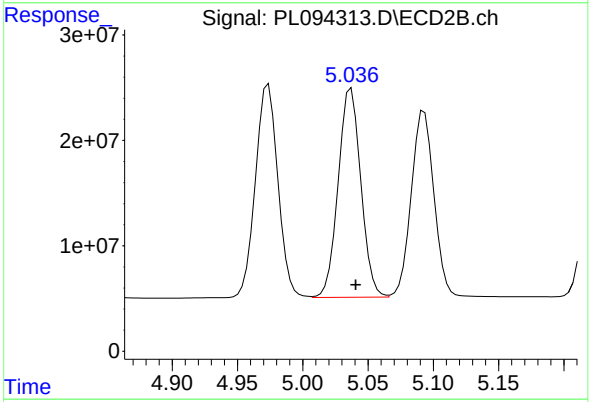
R.T.: 4.974 min
Delta R.T.: -0.003 min
Response: 243078689
Conc: 57.36 ng/ml



#11 alpha-Chlordane

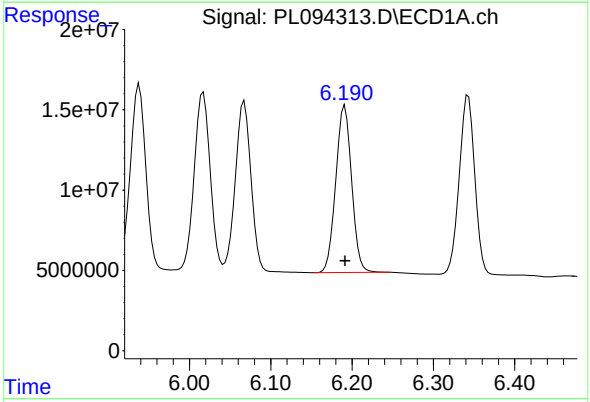
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 151423048
Conc: 54.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



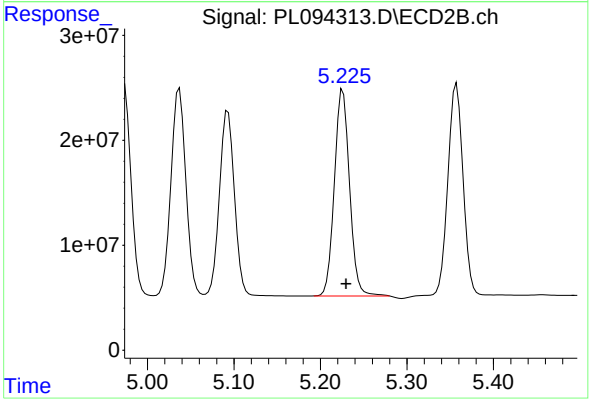
#11 alpha-Chlordane

R.T.: 5.037 min
Delta R.T.: -0.003 min
Response: 239233109
Conc: 57.14 ng/ml



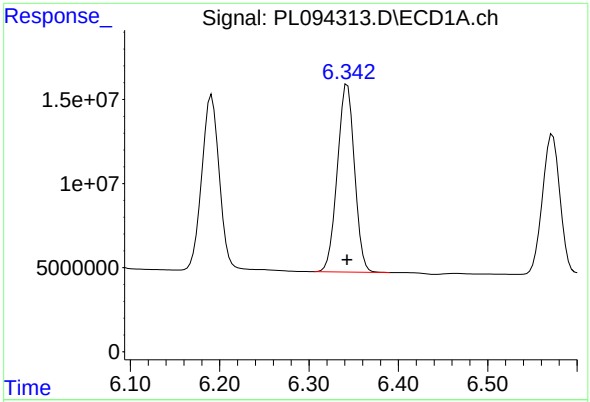
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 140874675
Conc: 57.86 ng/ml



#12 4,4'-DDE

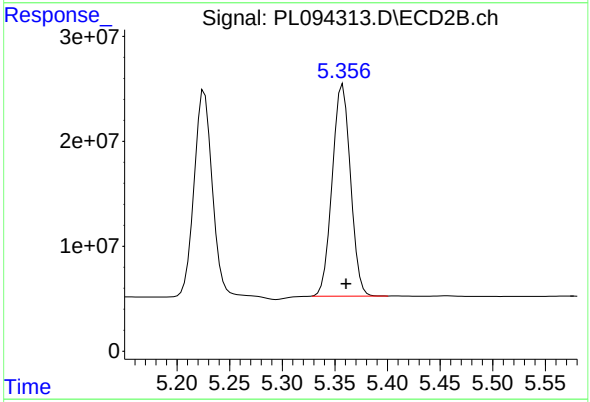
R.T.: 5.226 min
Delta R.T.: -0.004 min
Response: 238658905
Conc: 59.52 ng/ml



#13 Dieldrin

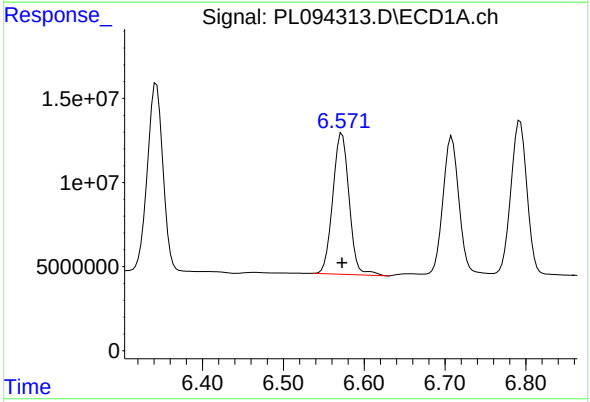
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 149069403
Conc: 53.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



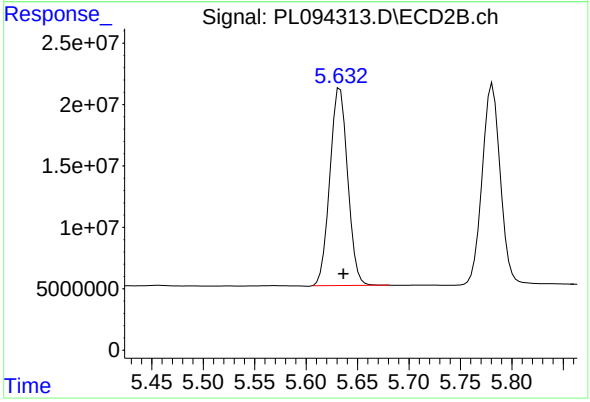
#13 Dieldrin

R.T.: 5.358 min
Delta R.T.: -0.003 min
Response: 244083068
Conc: 56.82 ng/ml



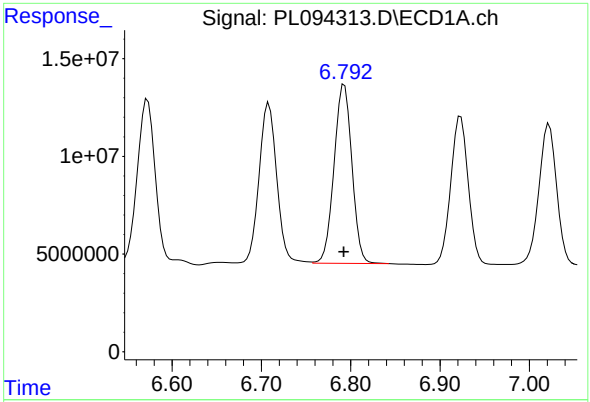
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 118094473
Conc: 50.36 ng/ml



#14 Endrin

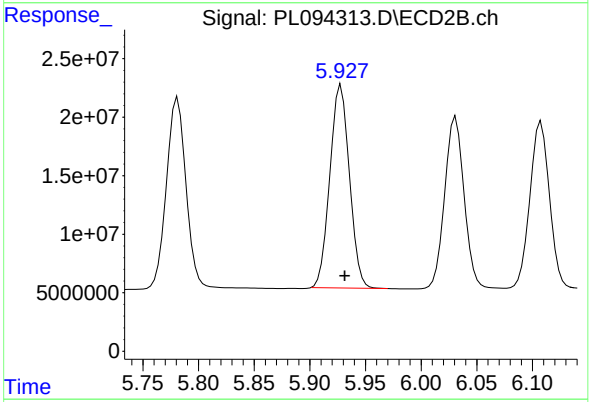
R.T.: 5.633 min
Delta R.T.: -0.003 min
Response: 193998033
Conc: 52.54 ng/ml



#15 Endosulfan II

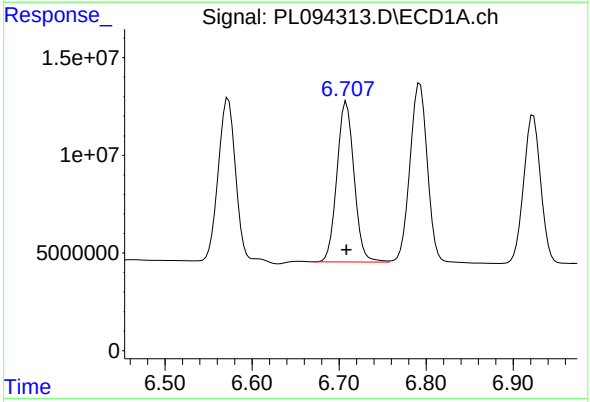
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 127128851
Conc: 52.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



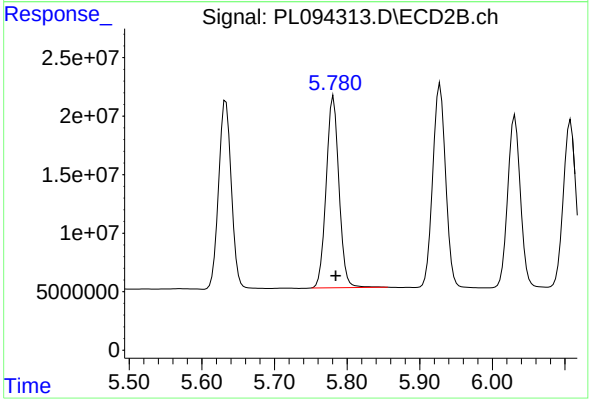
#15 Endosulfan II

R.T.: 5.928 min
Delta R.T.: -0.003 min
Response: 212346217
Conc: 57.33 ng/ml



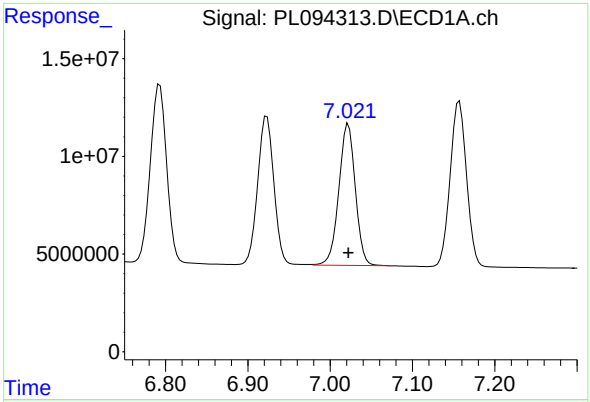
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.000 min
Response: 112445028
Conc: 59.16 ng/ml



#16 4,4'-DDD

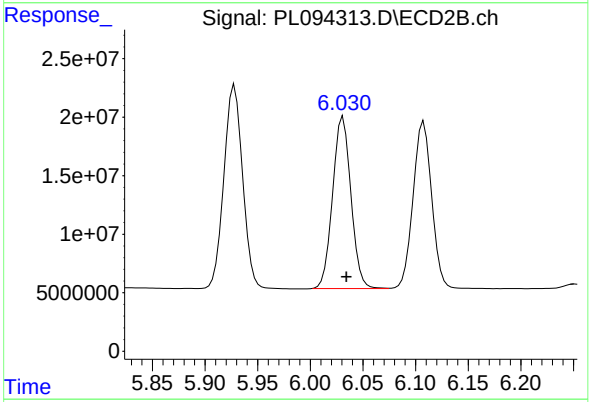
R.T.: 5.781 min
Delta R.T.: -0.003 min
Response: 201002724
Conc: 63.68 ng/ml



#17 4,4'-DDT

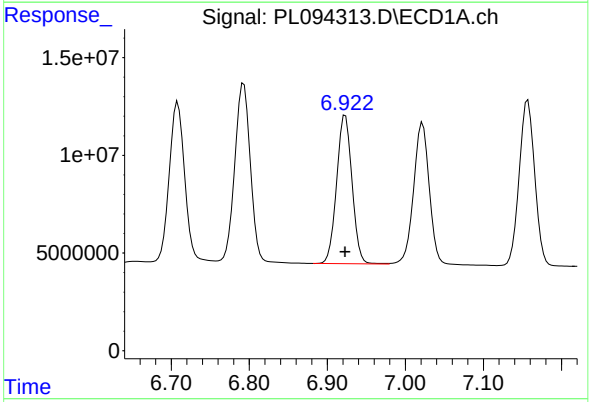
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 100913297
Conc: 51.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



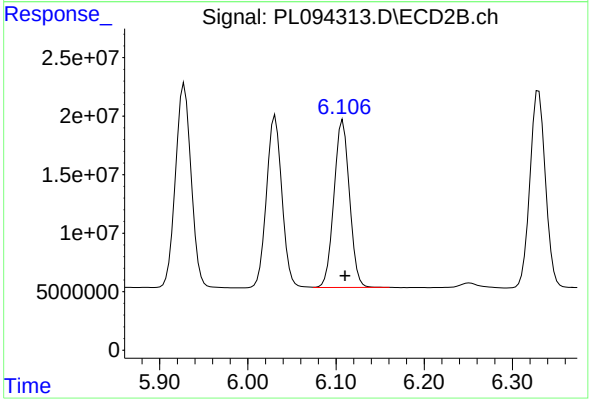
#17 4,4'-DDT

R.T.: 6.031 min
Delta R.T.: -0.003 min
Response: 178130205
Conc: 54.74 ng/ml



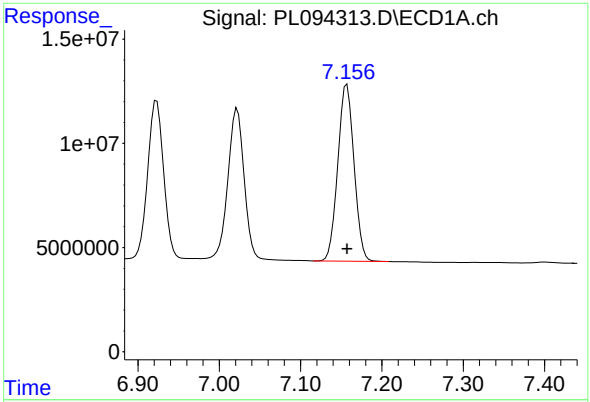
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 104175778
Conc: 53.59 ng/ml



#18 Endrin aldehyde

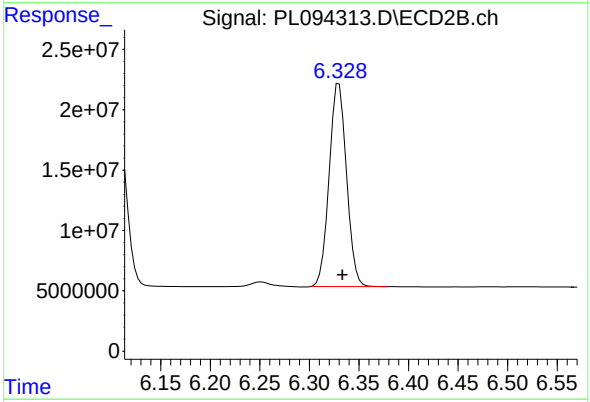
R.T.: 6.108 min
Delta R.T.: -0.002 min
Response: 175039649
Conc: 57.49 ng/ml



#19 Endosulfan Sulfate

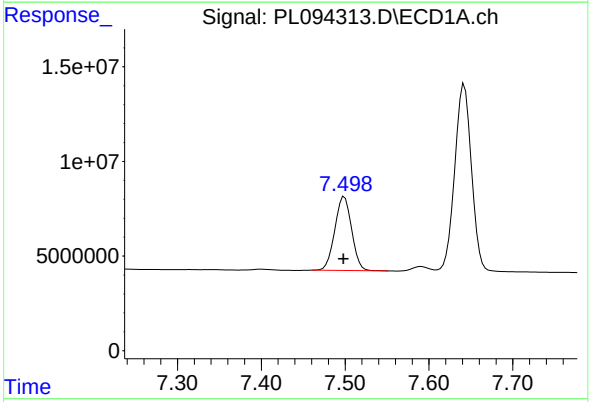
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 117369691
Conc: 51.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



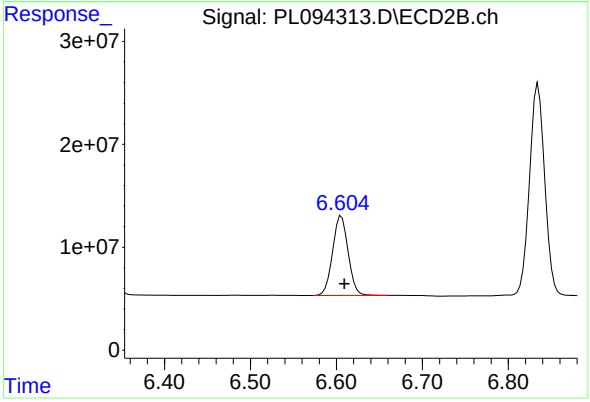
#19 Endosulfan Sulfate

R.T.: 6.330 min
Delta R.T.: -0.003 min
Response: 204716504
Conc: 57.41 ng/ml



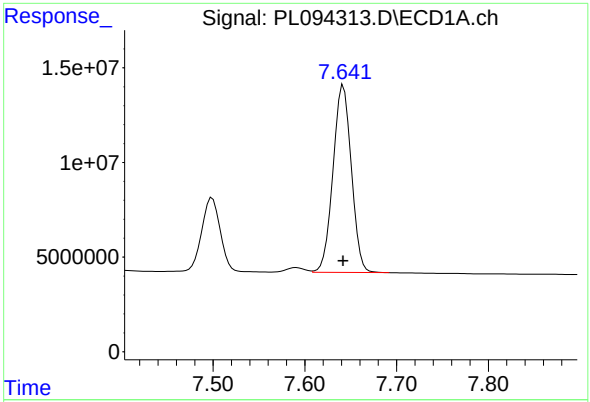
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.001 min
Response: 54433928
Conc: 52.17 ng/ml



#20 Methoxychlor

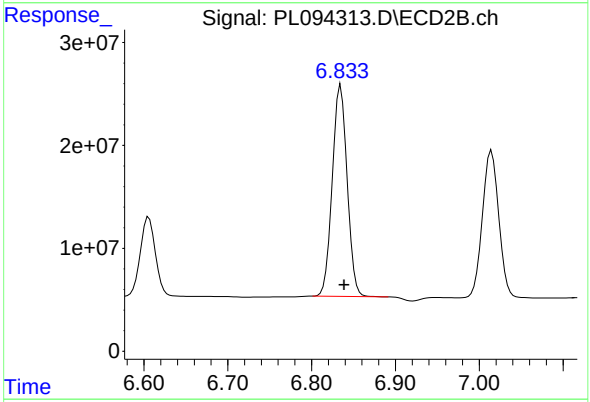
R.T.: 6.606 min
Delta R.T.: -0.004 min
Response: 96904993
Conc: 54.19 ng/ml



#21 Endrin ketone

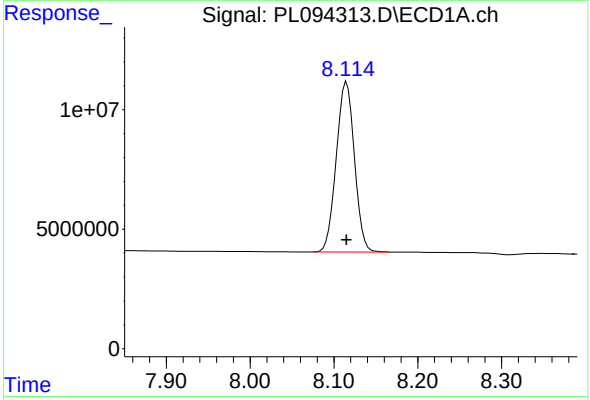
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 137506346
Conc: 54.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



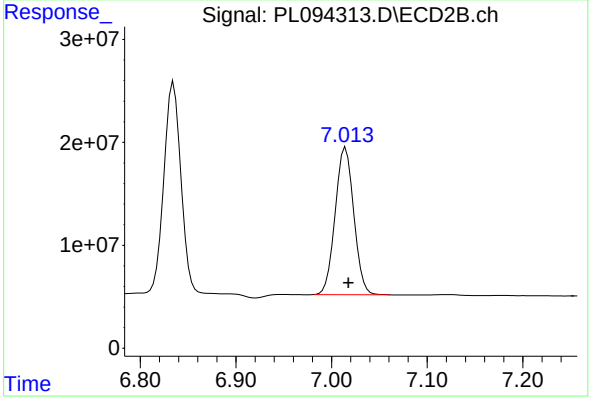
#21 Endrin ketone

R.T.: 6.835 min
Delta R.T.: -0.004 min
Response: 253079530
Conc: 60.33 ng/ml



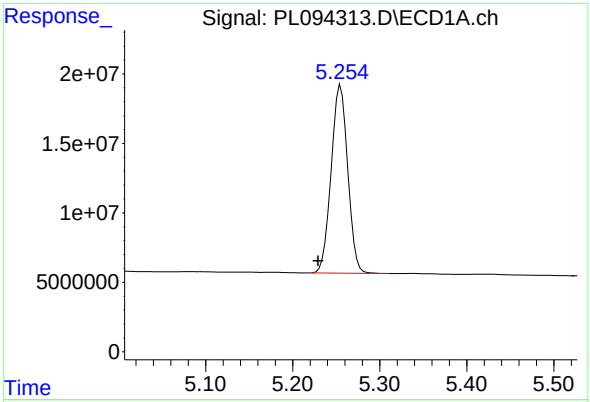
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 107296765
Conc: 51.52 ng/ml



#22 Mirex

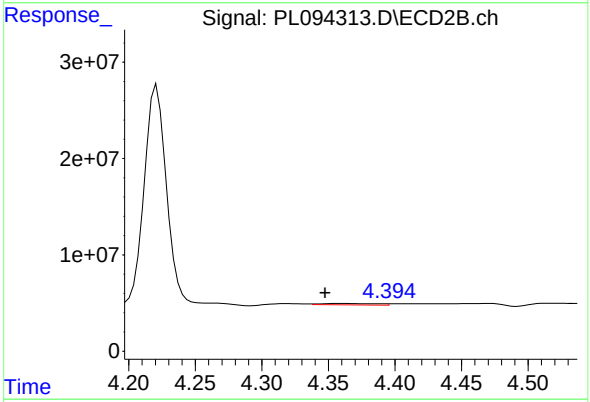
R.T.: 7.015 min
Delta R.T.: -0.003 min
Response: 193893460
Conc: 57.33 ng/ml



#24 Chlordane-2

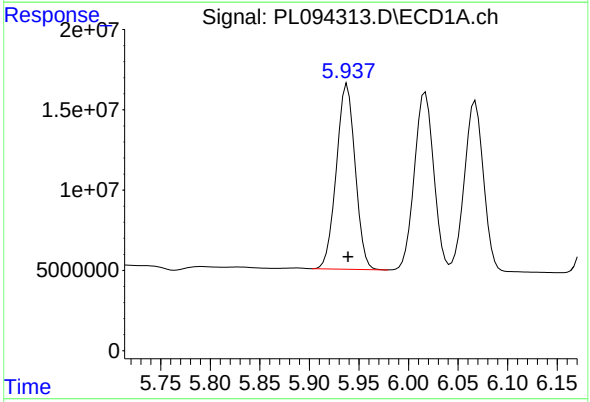
R.T.: 5.255 min
Delta R.T.: 0.026 min
Response: 178958898
Conc: 1528.51 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



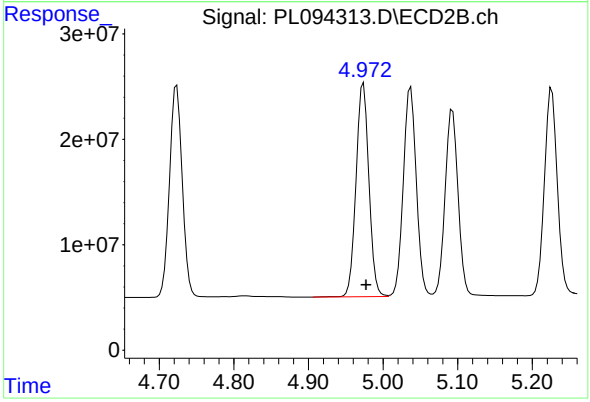
#24 Chlordane-2

R.T.: 4.361 min
Delta R.T.: 0.013 min
Response: 4181829
Conc: 28.50 ng/ml



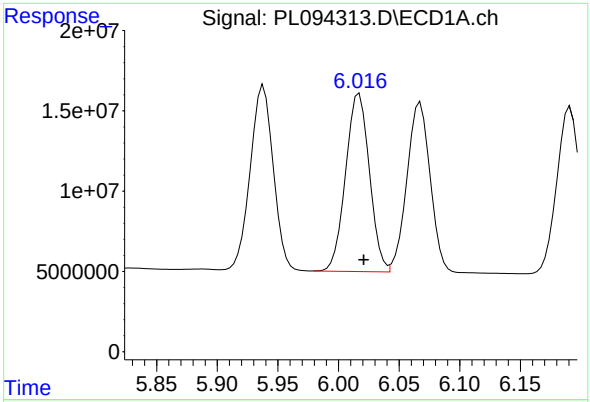
#25 Chlordane-3

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 152221668
Conc: 388.06 ng/ml



#25 Chlordane-3

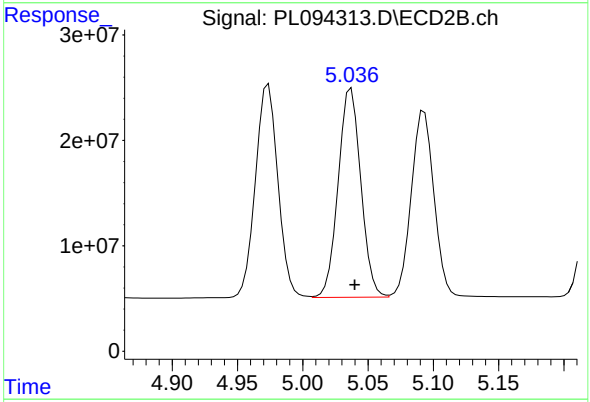
R.T.: 4.974 min
Delta R.T.: -0.003 min
Response: 243078689
Conc: 559.03 ng/ml



#26 Chlordane-4

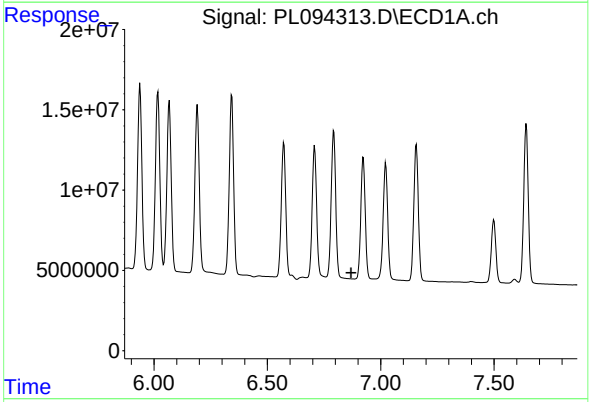
R.T.: 6.017 min
Delta R.T.: -0.004 min
Response: 151423048
Conc: 322.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



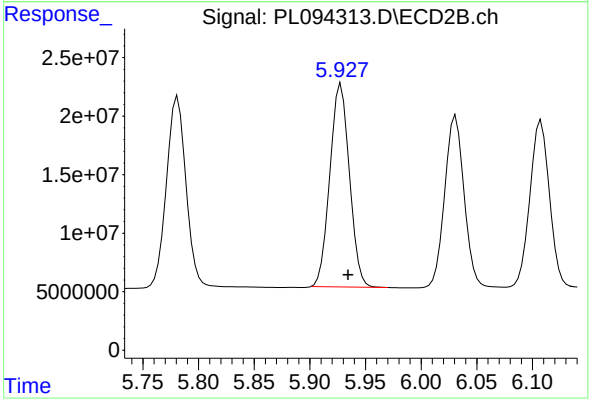
#26 Chlordane-4

R.T.: 5.037 min
Delta R.T.: -0.003 min
Response: 239233109
Conc: 564.67 ng/ml



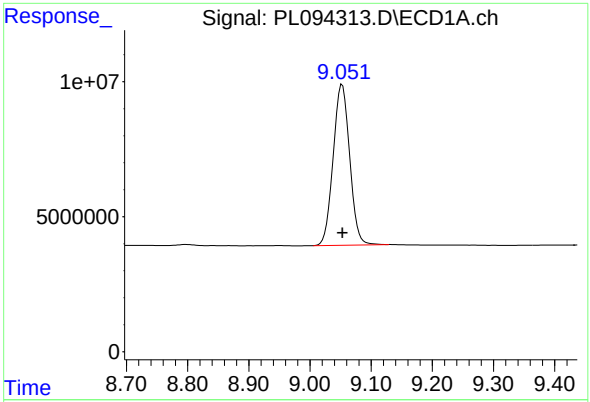
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.



#27 Chlordane-5

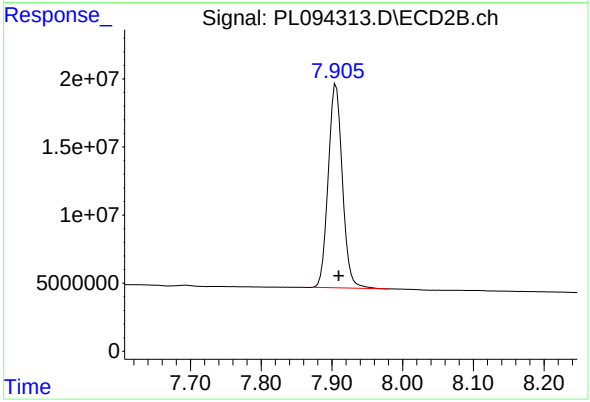
R.T.: 5.928 min
Delta R.T.: -0.006 min
Response: 212346217
Conc: 1386.41 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 111686305
Conc: 53.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.906 min
Delta R.T.: -0.004 min
Response: 207871768
Conc: 59.32 ng/ml