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

GC SEMI-VOLATILES

PROJECT NAME : RAYMARK SUPERFUND SITE

NOBIS GROUP

585 Middlesex Street

Lowell, MA - 01851

Phone No: 978-683-0891

ORDER ID : Q2638

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q2638

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2638-01	OU4-TS-31-071725
Q2638-02	OU4-TS-31-071725
Q2638-03	OU4-TS-32-071725
Q2638-04	OU4-TS-32-071725
Q2638-05	OU4-TS-33-071725
Q2638-06	OU4-TS-33-071725
Q2638-07	OU4-TS-34-071725
Q2638-08	OU4-TS-34-071725
Q2638-09	OU4-TS-35-071725
Q2638-10	OU4-TS-35-071725
Q2638-11	OU4-TS-36-071725
Q2638-12	OU4-TS-36-071725
Q2638-13	OU4-TS-37-071725
Q2638-14	OU4-TS-37-071725

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

Signature : _____

Date: 7/28/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Nobis Group
Project Name: Raymark Superfund Site
Project # N/A
Order ID # Q2638
Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:
7 Solid samples were received on 07/18/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Pesticide-TCL. This data package contains results for Pesticide-TCL.

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

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

The Surrogate recoveries were met for all analysis except for
OU4-TS-31-071725 [Decachlorobiphenyl(1)27%, Decachlorobiphenyl(2)23%],
OU4-TS-31-071725RE [Decachlorobiphenyl(1)29%, Decachlorobiphenyl(2)28%],
OU4-TS-33-071725 [Decachlorobiphenyl(1)37%, Decachlorobiphenyl(2)34%],
OU4-TS-33-071725RE [Decachlorobiphenyl(1)38%, Decachlorobiphenyl(2)39%],
OU4-TS-34-071725 [Decachlorobiphenyl(1)34%, Decachlorobiphenyl(2)30%],
OU4-TS-34-071725RE [Decachlorobiphenyl(1)36%, Decachlorobiphenyl(2)34%],the failure samples in surrogates with both columns were reanalyzed to confirm the results as per method and reported in the data while,

OU4-TS-32-071725 [Decachlorobiphenyl(1)39%],OU4-TS-35-071725 [Decachlorobiphenyl(2)54%] and OU4-TS-36-071725 [Decachlorobiphenyl(2)53%]AS per method one surrogate allowed to fail to meet the criteria per column, No further corrective action was taken.

The Retention Times were met for all analysis.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.
The RPD were met for all analysis.

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

E. Additional Comments:
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_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2638 MATRIX: Solid

METHOD: 8081B/3541

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified.			✓
2.	Standard Summary Submitted.			✓
3.	Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD. The Initial Calibration met the requirements. The Continuous Calibration met the requirements.			✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges. The Surrogate recoveries were met for all analysis except for OU4-TS-31-071725 [Decachlorobiphenyl(1)27%, Decachlorobiphenyl(2)23%], OU4-TS-31-071725RE [Decachlorobiphenyl(1)29%, Decachlorobiphenyl(2)28%], OU4-TS-33-071725 [Decachlorobiphenyl(1)37%, Decachlorobiphenyl(2)34%], OU4-TS-33-071725RE [Decachlorobiphenyl(1)38%, Decachlorobiphenyl(2)39%], OU4-TS-34-071725 [Decachlorobiphenyl(1)34%, Decachlorobiphenyl(2)30%], OU4-TS-34-071725RE [Decachlorobiphenyl(1)36%, Decachlorobiphenyl(2)34%],the failure samples in surrogates with both columns were reanalyzed to confirm the results as per method and reported in the data while, OU4-TS-32-071725 [Decachlorobiphenyl(1)39%],OU4-TS-35-071725 [Decachlorobiphenyl(2)54%] and OU4-TS-36-071725 [Decachlorobiphenyl(2)53%]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 requirements for all compounds. The Blank Spike met requirements for all compounds. The RPD were met for all analysis.		✓	

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
7.	Retention Time Shift Meet Criteria (if applicable)			✓
	Comments:			
8.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
9.	Analysis Holding Time Met			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			

ADDITIONAL COMMENTS:

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

The not QT review data is reported in the Miscellaneous.

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

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2638

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 07/28/2025

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LAB CHRONICLE

OrderID:	Q2638	**OrderDate:**	7/18/2025 10:07:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	O21,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2638-01	**OU4-TS-31-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Pesticide-TCL	8081B		07/21/25	07/21/25	
Q2638-01RE	**OU4-TS-31-071725RE**	**SOIL**			**07/17/25**			**07/18/25**
			Pesticide-TCL	8081B		07/21/25	07/22/25	
Q2638-03	**OU4-TS-32-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Pesticide-TCL	8081B		07/21/25	07/22/25	
Q2638-05	**OU4-TS-33-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Pesticide-TCL	8081B		07/21/25	07/21/25	
Q2638-05RE	**OU4-TS-33-071725RE**	**SOIL**			**07/17/25**			**07/18/25**
			Pesticide-TCL	8081B		07/21/25	07/22/25	
Q2638-07	**OU4-TS-34-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Pesticide-TCL	8081B		07/21/25	07/21/25	
Q2638-07RE	**OU4-TS-34-071725RE**	**SOIL**			**07/17/25**			**07/18/25**
			Pesticide-TCL	8081B		07/21/25	07/22/25	
Q2638-09	**OU4-TS-35-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Pesticide-TCL	8081B		07/21/25	07/21/25	
Q2638-11	**OU4-TS-36-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Pesticide-TCL	8081B		07/21/25	07/21/25	
Q2638-13	**OU4-TS-37-071725**	**SOIL**			**07/17/25**			**07/18/25**
			Pesticide-TCL	8081B		07/21/25	07/21/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2638 **Order ID:** Q2638

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-TS-31-071725									
Q2638-01	OU4-TS-31-071725	SOIL	4,4-DDE	0.00064	J	0.00020	0.00048	0.0025	mg/Kg
Q2638-01	OU4-TS-31-071725	SOIL	alpha-Chlordane	0.0011	JP	0.00018	0.00048	0.0025	mg/Kg
Q2638-01	OU4-TS-31-071725	SOIL	gamma-Chlordane	0.00065	JP	0.00022	0.00048	0.0025	mg/Kg
			Total Concentration:			**0.00239**			
Client ID : OU4-TS-31-071725RE									
Q2638-01RE	OU4-TS-31-071725RI	SOIL	4,4-DDE	0.00065	J	0.00020	0.00048	0.0025	mg/Kg
Q2638-01RE	OU4-TS-31-071725RI	SOIL	alpha-Chlordane	0.0011	J	0.00018	0.00048	0.0025	mg/Kg
Q2638-01RE	OU4-TS-31-071725RI	SOIL	gamma-Chlordane	0.00062	JP	0.00022	0.00048	0.0025	mg/Kg
			Total Concentration:			**0.00237**			
Client ID : OU4-TS-32-071725									
Q2638-03	OU4-TS-32-071725	SOIL	Dieldrin	0.00079	JP	0.00021	0.00051	0.0026	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	4,4-DDE	0.00088	J	0.00021	0.00051	0.0026	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	Endrin	0.0061	P	0.00021	0.00051	0.0026	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	alpha-Chlordane	0.0018	JP	0.00018	0.00051	0.0026	mg/Kg
Q2638-03	OU4-TS-32-071725	SOIL	gamma-Chlordane	0.0013	J	0.00023	0.00051	0.0026	mg/Kg
			Total Concentration:			**0.01087**			
Client ID : OU4-TS-33-071725									
Q2638-05	OU4-TS-33-071725	SOIL	4,4-DDE	0.00071	J	0.00022	0.00051	0.0026	mg/Kg
Q2638-05	OU4-TS-33-071725	SOIL	alpha-Chlordane	0.0012	JP	0.00019	0.00051	0.0026	mg/Kg
Q2638-05	OU4-TS-33-071725	SOIL	gamma-Chlordane	0.00075	JP	0.00023	0.00051	0.0026	mg/Kg
			Total Concentration:			**0.00266**			
Client ID : OU4-TS-33-071725RE									
Q2638-05RE	OU4-TS-33-071725RI	SOIL	4,4-DDE	0.00068	J	0.00022	0.00051	0.0026	mg/Kg
Q2638-05RE	OU4-TS-33-071725RI	SOIL	alpha-Chlordane	0.0011	JP	0.00019	0.00051	0.0026	mg/Kg
Q2638-05RE	OU4-TS-33-071725RI	SOIL	gamma-Chlordane	0.00061	JP	0.00023	0.00051	0.0026	mg/Kg
			Total Concentration:			**0.00239**			
Client ID : OU4-TS-34-071725									
Q2638-07	OU4-TS-34-071725	SOIL	4,4-DDE	0.00069	J	0.00020	0.00048	0.0025	mg/Kg
Q2638-07	OU4-TS-34-071725	SOIL	alpha-Chlordane	0.0011	JP	0.00017	0.00048	0.0025	mg/Kg
Q2638-07	OU4-TS-34-071725	SOIL	gamma-Chlordane	0.00067	JP	0.00022	0.00048	0.0025	mg/Kg
			Total Concentration:			**0.00246**			
Client ID : OU4-TS-34-071725RE									

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Hit Summary Sheet
SW-846

SDG No.: Q2638 **Order ID:** Q2638

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2638-07RE	OU4-TS-34-071725RI	SOIL	4,4-DDE	0.00067	J	0.00020	0.00048	0.0025	mg/Kg
Q2638-07RE	OU4-TS-34-071725RI	SOIL	alpha-Chlordane	0.0011	J	0.00017	0.00048	0.0025	mg/Kg
Q2638-07RE	OU4-TS-34-071725RI	SOIL	gamma-Chlordane	0.00057	JP	0.00022	0.00048	0.0025	mg/Kg
			Total Concentration:			**0.00234**			
Client ID :	**OU4-TS-35-071725**								
Q2638-09	OU4-TS-35-071725	SOIL	Dieldrin	0.0018	JP	0.00017	0.00040	0.0021	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	4,4-DDE	0.00059	J	0.00017	0.00040	0.0021	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	Endrin	0.00049	JP	0.00017	0.00040	0.0021	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	4,4-DDD	0.0034	P	0.00018	0.00040	0.0021	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	4,4-DDT	0.0018	J	0.00017	0.00040	0.0021	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	alpha-Chlordane	0.00091	JP	0.00015	0.00040	0.0021	mg/Kg
Q2638-09	OU4-TS-35-071725	SOIL	gamma-Chlordane	0.00071	J	0.00018	0.00040	0.0021	mg/Kg
			Total Concentration:			**0.00970**			
Client ID :	**OU4-TS-36-071725**								
Q2638-11	OU4-TS-36-071725	SOIL	Dieldrin	0.0016	JP	0.00017	0.00040	0.0021	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	4,4-DDE	0.00054	J	0.00017	0.00040	0.0021	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	Endrin	0.00041	J	0.00017	0.00040	0.0021	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	4,4-DDD	0.0031	P	0.00018	0.00040	0.0021	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	4,4-DDT	0.0014	J	0.00017	0.00040	0.0021	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	alpha-Chlordane	0.00091	JP	0.00015	0.00040	0.0021	mg/Kg
Q2638-11	OU4-TS-36-071725	SOIL	gamma-Chlordane	0.00044	J	0.00018	0.00040	0.0021	mg/Kg
			Total Concentration:			**0.00840**			
Client ID :	**OU4-TS-37-071725**								
Q2638-13	OU4-TS-37-071725	SOIL	Dieldrin	0.0019	JP	0.00017	0.00041	0.0021	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	4,4-DDE	0.00061	J	0.00017	0.00041	0.0021	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	4,4-DDD	0.0037	P	0.00018	0.00041	0.0021	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	4,4-DDT	0.0019	J	0.00017	0.00041	0.0021	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	alpha-Chlordane	0.00096	JP	0.00015	0.00041	0.0021	mg/Kg
Q2638-13	OU4-TS-37-071725	SOIL	gamma-Chlordane	0.00069	J	0.00018	0.00041	0.0021	mg/Kg
			Total Concentration:			**0.00976**			

QC SUMMARY

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Surrogate Summary

SDG No.: Q2638

Client: Nobis Group

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PL096237.D	PIBLK-PL096237.D	Decachlorobiphen	1	20	19.5	98		30	135
		Tetrachloro-m-xyl	1	20	17.9	89		44	124
		Decachlorobiphen	2	20	20.1	100		30	135
		Tetrachloro-m-xyl	2	20	18.9	94		44	124
I.BLK-PL096479.D	PIBLK-PL096479.D	Decachlorobiphen	1	20	21.0	105		30	135
		Tetrachloro-m-xyl	1	20	20.5	103		44	124
		Decachlorobiphen	2	20	22.1	111		30	135
		Tetrachloro-m-xyl	2	20	22.4	112		44	124
PB168928BL	PB168928BL	Decachlorobiphen	1	20	19.3	97		55	130
		Tetrachloro-m-xyl	1	20	18.5	93		42	129
		Decachlorobiphen	2	20	21.0	105		55	130
		Tetrachloro-m-xyl	2	20	20.4	102		42	129
PB168928BS	PB168928BS	Decachlorobiphen	1	20	19.0	95		55	130
		Tetrachloro-m-xyl	1	20	18.0	90		42	129
		Decachlorobiphen	2	20	20.4	102		55	130
		Tetrachloro-m-xyl	2	20	20.0	100		42	129
Q2635-01MS	RT2286MS	Decachlorobiphen	1	20	17.1	86		55	130
		Tetrachloro-m-xyl	1	20	17.9	90		42	129
		Decachlorobiphen	2	20	14.8	74		55	130
		Tetrachloro-m-xyl	2	20	17.1	85		42	129
Q2635-01MSD	RT2286MSD	Decachlorobiphen	1	20	16.6	83		55	130
		Tetrachloro-m-xyl	1	20	18.2	91		42	129
		Decachlorobiphen	2	20	14.2	71		55	130
		Tetrachloro-m-xyl	2	20	17.2	86		42	129
I.BLK-PL096492.D	PIBLK-PL096492.D	Decachlorobiphen	1	20	20.3	102		30	135
		Tetrachloro-m-xyl	1	20	20.6	103		44	124
		Decachlorobiphen	2	20	16.2	81		30	135
		Tetrachloro-m-xyl	2	20	22.3	112		44	124
Q2638-01	OU4-TS-31-071725	Decachlorobiphen	1	20	5.47	27	*	55	130
		Tetrachloro-m-xyl	1	20	9.87	49		42	129
		Decachlorobiphen	2	20	4.70	23	*	55	130
		Tetrachloro-m-xyl	2	20	9.72	49		42	129
Q2638-05	OU4-TS-33-071725	Decachlorobiphen	1	20	7.30	37	*	55	130
		Tetrachloro-m-xyl	1	20	11.0	55		42	129
		Decachlorobiphen	2	20	6.77	34	*	55	130
		Tetrachloro-m-xyl	2	20	11.3	57		42	129
Q2638-07	OU4-TS-34-071725	Decachlorobiphen	1	20	6.81	34	*	55	130
		Tetrachloro-m-xyl	1	20	10.1	51		42	129
		Decachlorobiphen	2	20	6.00	30	*	55	130
		Tetrachloro-m-xyl	2	20	10.6	53		42	129
Q2638-09	OU4-TS-35-071725	Decachlorobiphen	1	20	12.9	64		55	130

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Surrogate Summary

SDG No.: Q2638

Client: Nobis Group

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
Q2638-09	OU4-TS-35-071725	Tetrachloro-m-xyl	1	20	15.6	78		42	129
		Decachlorobiphen	2	20	10.7	54	*	55	130
		Tetrachloro-m-xyl	2	20	17.3	86		42	129
Q2638-11	OU4-TS-36-071725	Decachlorobiphen	1	20	13.2	66		55	130
		Tetrachloro-m-xyl	1	20	15.2	76		42	129
		Decachlorobiphen	2	20	10.6	53	*	55	130
		Tetrachloro-m-xyl	2	20	16.6	83		42	129
Q2638-13	OU4-TS-37-071725	Decachlorobiphen	1	20	14.2	71		55	130
		Tetrachloro-m-xyl	1	20	17.9	90		42	129
		Decachlorobiphen	2	20	13.1	66		55	130
		Tetrachloro-m-xyl	2	20	19.4	97		42	129
I.BLK-PL096501.D	PIBLK-PL096501.D	Decachlorobiphen	1	20	19.4	97		30	135
		Tetrachloro-m-xyl	1	20	20.5	103		44	124
		Decachlorobiphen	2	20	17.4	87		30	135
		Tetrachloro-m-xyl	2	20	21.2	106		44	124
I.BLK-PL096504.D	PIBLK-PL096504.D	Decachlorobiphen	1	20	20.0	100		30	135
		Tetrachloro-m-xyl	1	20	19.7	98		44	124
		Decachlorobiphen	2	20	20.8	104		30	135
		Tetrachloro-m-xyl	2	20	21.3	106		44	124
Q2638-01RE	OU4-TS-31-071725RE	Decachlorobiphen	1	20	5.72	29	*	55	130
		Tetrachloro-m-xyl	1	20	8.82	44		42	129
		Decachlorobiphen	2	20	5.62	28	*	55	130
		Tetrachloro-m-xyl	2	20	9.22	46		42	129
Q2638-03	OU4-TS-32-071725	Decachlorobiphen	1	20	7.74	39	*	55	130
		Tetrachloro-m-xyl	1	20	12.5	63		42	129
		Decachlorobiphen	2	20	11.5	58		55	130
		Tetrachloro-m-xyl	2	20	14.9	75		42	129
Q2638-05RE	OU4-TS-33-071725RE	Decachlorobiphen	1	20	7.55	38	*	55	130
		Tetrachloro-m-xyl	1	20	10.4	52		42	129
		Decachlorobiphen	2	20	7.82	39	*	55	130
		Tetrachloro-m-xyl	2	20	11.1	55		42	129
Q2638-07RE	OU4-TS-34-071725RE	Decachlorobiphen	1	20	7.16	36	*	55	130
		Tetrachloro-m-xyl	1	20	9.64	48		42	129
		Decachlorobiphen	2	20	6.87	34	*	55	130
		Tetrachloro-m-xyl	2	20	10.3	52		42	129
I.BLK-PL096511.D	PIBLK-PL096511.D	Decachlorobiphen	1	20	22.0	110		30	135
		Tetrachloro-m-xyl	1	20	21.0	105		44	124
		Decachlorobiphen	2	20	21.6	108		30	135
		Tetrachloro-m-xyl	2	20	23.0	115		44	124

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2638 **Analytical Method:** 8081B

Client: Nobis Group **DataFile :** PL096485.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2635-01MS (Column 1)**	**Client Sample ID:**		**RT2286MS**								
	alpha-BHC	19.63	0	18.9	ug/kg	96				45	137	
	beta-BHC	19.63	0	16.9	ug/kg	86				50	136	
	delta-BHC	19.63	0	18.2	ug/kg	93				47	139	
	gamma-BHC (Lindane)	19.63	0	18.5	ug/kg	94				49	135	
	Heptachlor	19.63	0	18.9	ug/kg	96				47	136	
	Aldrin	19.63	1.10	19.0	ug/kg	91				45	136	
	Heptachlor epoxide	19.63	0	21.0	ug/kg	107				52	136	
	Endosulfan I	19.63	0	18.9	ug/kg	96				53	132	
	Dieldrin	19.63	2.40	20.1	ug/kg	90				56	136	
	4,4'-DDE	19.63	0	17.2	ug/kg	88				56	134	
	Endrin	19.63	1.20	21.0	ug/kg	101				57	140	
	Endosulfan II	19.63	0.95	19.4	ug/kg	94				53	134	
	4,4'-DDD	19.63	0	24.9	ug/kg	127				56	139	
	Endosulfan sulfate	19.63	1.70	20.6	ug/kg	91				55	136	
	4,4'-DDT	19.63	0.41	19.3	ug/kg	80				50	141	
	Methoxychlor	19.63	0	20.8	ug/kg	106				52	143	
	Endrin ketone	19.63	0	25.6	ug/kg	130				55	136	
	Endrin aldehyde	19.63	0	23.0	ug/kg	117				35	137	
	alpha-Chlordane	19.63	0.42	18.4	ug/kg	92				54	133	
	gamma-Chlordane	19.63	0	19.0	ug/kg	97				53	135	
Lab Sample ID:	**Q2635-01MS (Column 2)**	**Client Sample ID:**		**RT2286MS**								
	alpha-BHC	19.63	0	17.1	ug/kg	87				45	137	
	beta-BHC	19.63	0	15.4	ug/kg	78				50	136	
	delta-BHC	19.63	0	16.6	ug/kg	85				47	139	
	gamma-BHC (Lindane)	19.63	0	16.8	ug/kg	86				49	135	
	Heptachlor	19.63	0	17.1	ug/kg	87				47	136	
	Aldrin	19.63	0.99	17.5	ug/kg	89				45	136	
	Heptachlor epoxide	19.63	0	16.5	ug/kg	84				52	136	
	Endosulfan I	19.63	0	13.7	ug/kg	70				53	132	
	Dieldrin	19.63	2.10	18.3	ug/kg	93				56	136	
	4,4'-DDE	19.63	0	15.5	ug/kg	79				56	134	
	Endrin	19.63	0.85	16.9	ug/kg	86				57	140	
	Endosulfan II	19.63	1.00	16.9	ug/kg	86				53	134	
	4,4'-DDD	19.63	0	16.1	ug/kg	82				56	139	
	Endosulfan sulfate	19.63	2.80	19.1	ug/kg	97				55	136	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2638 **Analytical Method:** 8081B

Client: Nobis Group **DataFile :** PL096485.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	19.63	3.60	19.4	ug/kg	99				50	141	
Methoxychlor	19.63	0	15.9	ug/kg	81				52	143	
Endrin ketone	19.63	0	15.9	ug/kg	81				55	136	
Endrin aldehyde	19.63	0	19.2	ug/kg	98				35	137	
alpha-Chlordane	19.63	0.32	14.8	ug/kg	75				54	133	
gamma-Chlordane	19.63	0	16.8	ug/kg	86				53	135	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2638 **Analytical Method:** 8081B

Client: Nobis Group **DataFile :** PL096486.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2635-01MSD (Column 1)**	**Client Sample ID:**		**RT2286MSD**								
	alpha-BHC	19.62	0	18.9	ug/kg	96		0		45	137	20
	beta-BHC	19.62	0	16.9	ug/kg	86		0		50	136	20
	delta-BHC	19.62	0	18.2	ug/kg	93		0		47	139	20
	gamma-BHC (Lindane)	19.62	0	18.5	ug/kg	94		0		49	135	20
	Heptachlor	19.62	0	18.8	ug/kg	96		0		47	136	20
	Aldrin	19.62	1.10	18.8	ug/kg	90		1		45	136	20
	Heptachlor epoxide	19.62	0	20.8	ug/kg	106		1		52	136	20
	Endosulfan I	19.62	0	18.7	ug/kg	95		1		53	132	20
	Dieldrin	19.62	2.40	19.7	ug/kg	88		2		56	136	20
	4,4'-DDE	19.62	0	17.1	ug/kg	87		1		56	134	20
	Endrin	19.62	1.20	20.7	ug/kg	99		2		57	140	20
	Endosulfan II	19.62	0.95	19.3	ug/kg	93		1		53	134	20
	4,4'-DDD	19.62	0	24.8	ug/kg	126		1		56	139	20
	Endosulfan sulfate	19.62	1.70	20.3	ug/kg	89		2		55	136	20
	4,4'-DDT	19.62	0.41	19.9	ug/kg	83		4		50	141	20
	Methoxychlor	19.62	0	20.5	ug/kg	104		2		52	143	20
	Endrin ketone	19.62	0	25.6	ug/kg	130		0		55	136	20
	Endrin aldehyde	19.62	0	22.6	ug/kg	115		2		35	137	20
	alpha-Chlordane	19.62	0.42	18.7	ug/kg	93		1		54	133	20
	gamma-Chlordane	19.62	0	18.6	ug/kg	95		2		53	135	20
Lab Sample ID:	**Q2635-01MSD (Column 2)**	**Client Sample ID:**		**RT2286MSD**								
	alpha-BHC	19.62	0	17.2	ug/kg	88		1		45	137	20
	beta-BHC	19.62	0	15.4	ug/kg	78		0		50	136	20
	delta-BHC	19.62	0	16.6	ug/kg	85		0		47	139	20
	gamma-BHC (Lindane)	19.62	0	16.9	ug/kg	86		0		49	135	20
	Heptachlor	19.62	0	17.1	ug/kg	87		0		47	136	20
	Aldrin	19.62	0.99	17.5	ug/kg	89		0		45	136	20
	Heptachlor epoxide	19.62	0	16.5	ug/kg	84		0		52	136	20
	Endosulfan I	19.62	0	13.6	ug/kg	69		1		53	132	20
	Dieldrin	19.62	2.10	17.9	ug/kg	91		2		56	136	20
	4,4'-DDE	19.62	0	15.3	ug/kg	78		1		56	134	20
	Endrin	19.62	0.85	16.8	ug/kg	86		0		57	140	20
	Endosulfan II	19.62	1.00	16.7	ug/kg	85		1		53	134	20
	4,4'-DDD	19.62	0	15.9	ug/kg	81		1		56	139	20
	Endosulfan sulfate	19.62	2.80	18.7	ug/kg	95		2		55	136	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2638 **Analytical Method:** 8081B

Client: Nobis Group **DataFile :** PL096486.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	19.62	3.60	19.0	ug/kg	97		2		50	141	20
Methoxychlor	19.62	0	16.3	ug/kg	83		2		52	143	20
Endrin ketone	19.62	0	14.8	ug/kg	75		8		55	136	20
Endrin aldehyde	19.62	0	18.9	ug/kg	96		2		35	137	20
alpha-Chlordane	19.62	0.32	14.7	ug/kg	75		0		54	133	20
gamma-Chlordane	19.62	0	16.8	ug/kg	86		0		53	135	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2638 **Analytical Method:** 8081B

Client: Nobis Group **Datafile :** PL096483.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168928BS (Column 1)	alpha-BHC	16.66	17.6	ug/kg	106				45	137	
	beta-BHC	16.66	17.4	ug/kg	104				50	136	
	delta-BHC	16.66	18.0	ug/kg	108				47	139	
	gamma-BHC (Lindane)	16.66	17.2	ug/kg	103				49	135	
	Heptachlor	16.66	17.3	ug/kg	104				47	136	
	Aldrin	16.66	17.1	ug/kg	103				45	136	
	Heptachlor epoxide	16.66	18.7	ug/kg	112				52	136	
	Endosulfan I	16.66	17.2	ug/kg	103				53	132	
	Dieldrin	16.66	17.2	ug/kg	103				56	136	
	4,4'-DDE	16.66	17.3	ug/kg	104				56	134	
	Endrin	16.66	17.1	ug/kg	103				57	140	
	Endosulfan II	16.66	18.1	ug/kg	109				53	134	
	4,4'-DDD	16.66	18.4	ug/kg	110				56	139	
	Endosulfan sulfate	16.66	17.7	ug/kg	106				55	136	
	4,4'-DDT	16.66	16.1	ug/kg	97				50	141	
	Methoxychlor	16.66	15.4	ug/kg	92				52	143	
	Endrin ketone	16.66	17.9	ug/kg	107				55	136	
	Endrin aldehyde	16.66	20.7	ug/kg	124				35	137	
	alpha-Chlordane	16.66	17.1	ug/kg	103				54	133	
	gamma-Chlordane	16.66	17.2	ug/kg	103				53	135	
PB168928BS (Column 2)	alpha-BHC	16.66	19.3	ug/kg	116				45	137	
	beta-BHC	16.66	18.2	ug/kg	109				50	136	
	delta-BHC	16.66	19.0	ug/kg	114				47	139	
	gamma-BHC (Lindane)	16.66	19.1	ug/kg	115				49	135	
	Heptachlor	16.66	18.5	ug/kg	111				47	136	
	Aldrin	16.66	19.0	ug/kg	114				45	136	
	Heptachlor epoxide	16.66	18.6	ug/kg	112				52	136	
	Endosulfan I	16.66	16.2	ug/kg	97				53	132	
	Dieldrin	16.66	18.8	ug/kg	113				56	136	
	4,4'-DDE	16.66	18.7	ug/kg	112				56	134	
	Endrin	16.66	17.1	ug/kg	103				57	140	
	Endosulfan II	16.66	18.6	ug/kg	112				53	134	
	4,4'-DDD	16.66	20.7	ug/kg	124				56	139	
	Endosulfan sulfate	16.66	19.0	ug/kg	114				55	136	
	4,4'-DDT	16.66	16.4	ug/kg	98				50	141	
	Methoxychlor	16.66	16.2	ug/kg	97				52	143	
	Endrin ketone	16.66	19.1	ug/kg	115				55	136	
	Endrin aldehyde	16.66	19.0	ug/kg	114				35	137	
	alpha-Chlordane	16.66	17.0	ug/kg	102				54	133	
	gamma-Chlordane	16.66	18.7	ug/kg	112				53	135	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168928BL

Lab Name: Alliance | Contract: NOBI03

Lab Code: ACE | SDG NO.: Q2638

Lab Sample ID: PB168928BL | Lab File ID: PL096482.D

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

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/21/2025

Date Analyzed (1): 07/21/2025 | Date Analyzed (2): 07/21/2025

Time Analyzed (1): 12:57 | Time Analyzed (2): 12:57

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
PB168928BS	PB168928BS	PL096483.D	07/21/2025	07/21/2025
RT2286MS	Q2635-01MS	PL096485.D	07/21/2025	07/21/2025
RT2286MSD	Q2635-01MSD	PL096486.D	07/21/2025	07/21/2025
OU4-TS-31-071725	Q2638-01	PL096494.D	07/21/2025	07/21/2025
OU4-TS-33-071725	Q2638-05	PL096496.D	07/21/2025	07/21/2025
OU4-TS-34-071725	Q2638-07	PL096497.D	07/21/2025	07/21/2025
OU4-TS-35-071725	Q2638-09	PL096498.D	07/21/2025	07/21/2025
OU4-TS-36-071725	Q2638-11	PL096499.D	07/21/2025	07/21/2025
OU4-TS-37-071725	Q2638-13	PL096500.D	07/21/2025	07/21/2025
OU4-TS-32-071725	Q2638-03	PL096508.D	07/22/2025	07/22/2025

COMMENTS:

SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-31-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	68.4 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
PL096494.D	1	07/21/25 08:30	07/21/25 16:53	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00048	U	0.00019	0.00048	0.0025	mg/Kg
319-85-7	beta-BHC	0.0012	U	0.00026	0.0012	0.0025	mg/Kg
319-86-8	delta-BHC	0.0012	U	0.00057	0.0012	0.0025	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00048	U	0.00020	0.00048	0.0025	mg/Kg
76-44-8	Heptachlor	0.00048	U	0.00018	0.00048	0.0025	mg/Kg
309-00-2	Aldrin	0.00048	U	0.00018	0.00048	0.0025	mg/Kg
1024-57-3	Heptachlor epoxide	0.0012	U	0.00028	0.0012	0.0025	mg/Kg
959-98-8	Endosulfan I	0.00048	U	0.00020	0.00048	0.0025	mg/Kg
60-57-1	Dieldrin	0.00048	U	0.00020	0.00048	0.0025	mg/Kg
72-55-9	4,4-DDE	0.00064	J	0.00020	0.00048	0.0025	mg/Kg
72-20-8	Endrin	0.00048	U	0.00020	0.00048	0.0025	mg/Kg
33213-65-9	Endosulfan II	0.0012	U	0.00042	0.0012	0.0025	mg/Kg
72-54-8	4,4-DDD	0.00048	U	0.00022	0.00048	0.0025	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00048	U	0.00019	0.00048	0.0025	mg/Kg
50-29-3	4,4-DDT	0.00048	U	0.00020	0.00048	0.0025	mg/Kg
72-43-5	Methoxychlor	0.0012	U	0.00054	0.0012	0.0025	mg/Kg
53494-70-5	Endrin ketone	0.0012	U	0.00028	0.0012	0.0025	mg/Kg
7421-93-4	Endrin aldehyde	0.0012	U	0.00054	0.0012	0.0025	mg/Kg
5103-71-9	alpha-Chlordane	0.0011	JP	0.00018	0.00048	0.0025	mg/Kg
5103-74-2	gamma-Chlordane	0.00065	JP	0.00022	0.00048	0.0025	mg/Kg
8001-35-2	Toxaphene	0.025	U	0.0079	0.025	0.048	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	5.47	*	55 - 130		27%	SPK: 20
877-09-8	Tetrachloro-m-xylene	9.87		42 - 129		49%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-31-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	68.4 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
PL096494.D	1	07/21/25 08:30	07/21/25 16:53	PB168928

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\PL072125\
Data File : PL096494.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:53
Operator : AR\AJ
Sample : Q2638-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-31-071725

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:47:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.827	36003148	56070011	9.867	9.715
28)	SA Decachlor...	9.020	7.994	15395841	23438269	5.473	4.700
	Target Compounds						
10)	B gamma-Chl...	5.918	5.050	5928290	4840429	1.340	0.690m#
11)	B alpha-Chl...	6.001	5.115	9533460	10439850	2.177	1.388 #
12)	B 4,4'-DDE	6.168	5.304	4887977	8341669	1.318	1.291

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

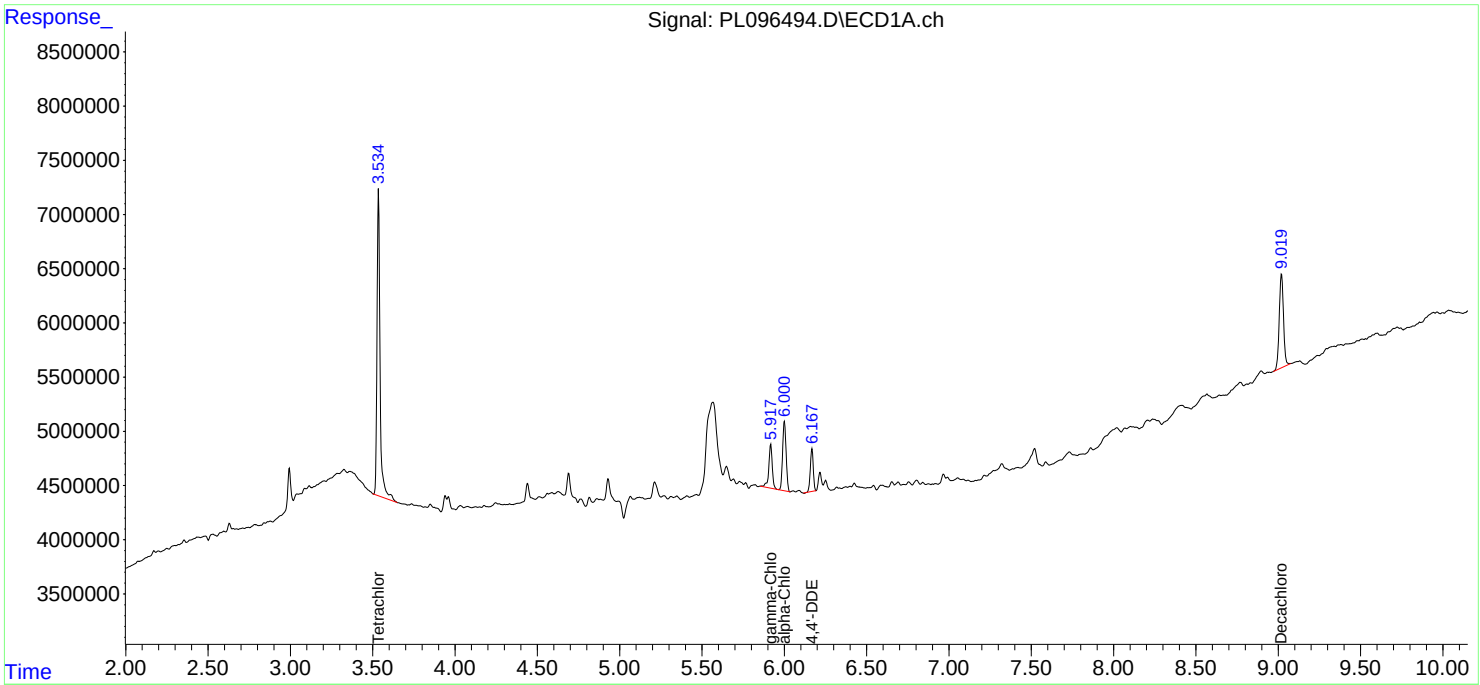
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096494.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:53
Operator : AR\AJ
Sample : Q2638-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

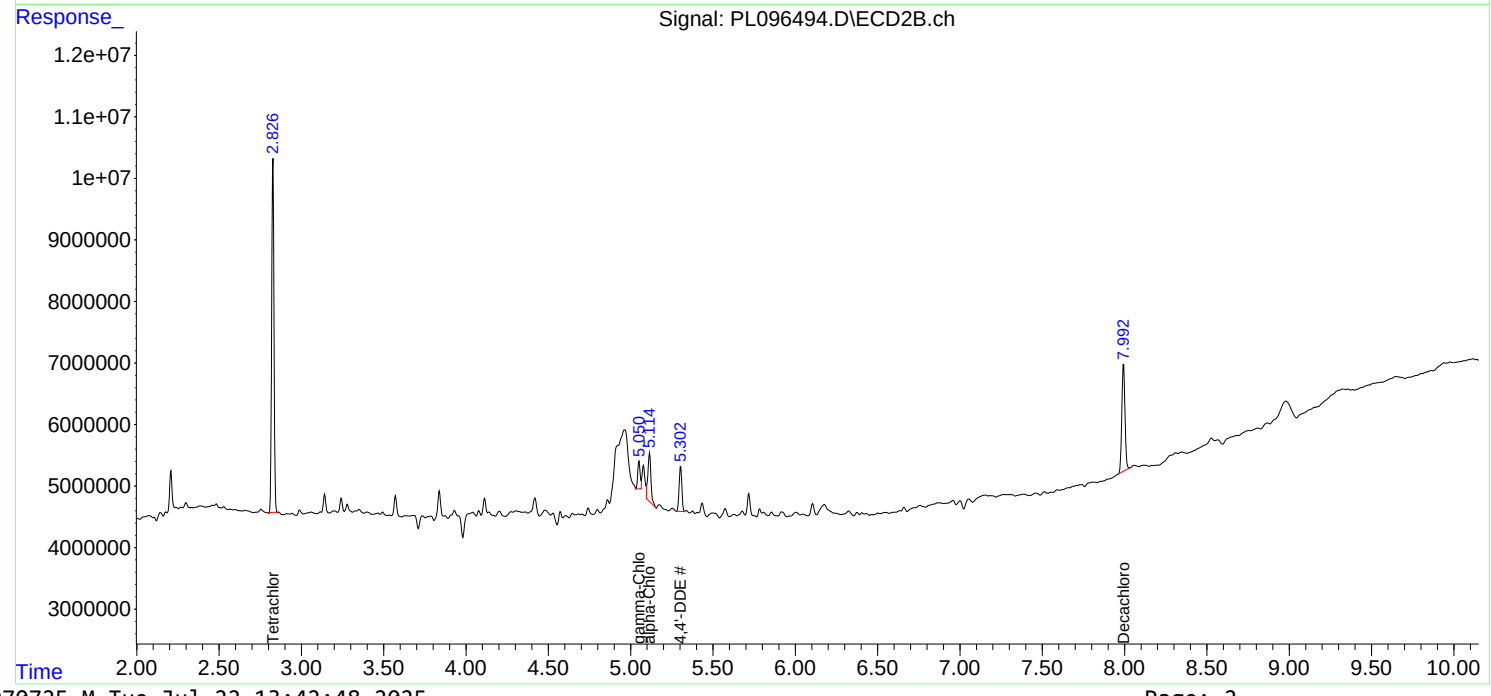
Instrument :
ECD_L
ClientSampleId :
OU4-TS-31-071725

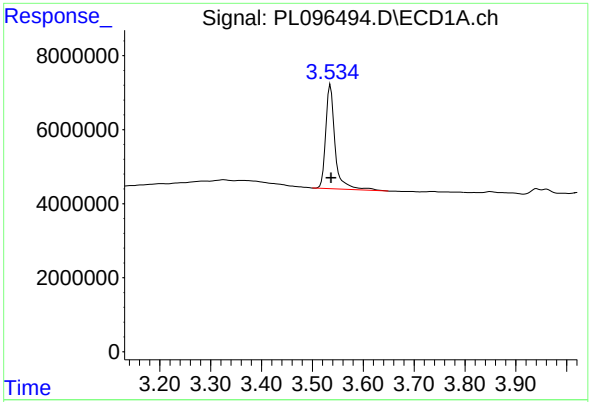
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:47:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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







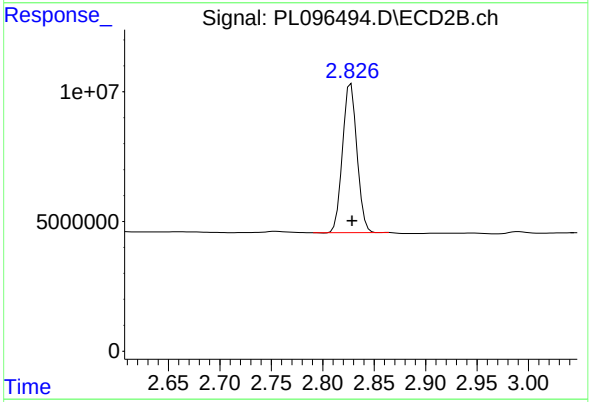
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.001 min
Response: 36003148
Conc: 9.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-31-071725

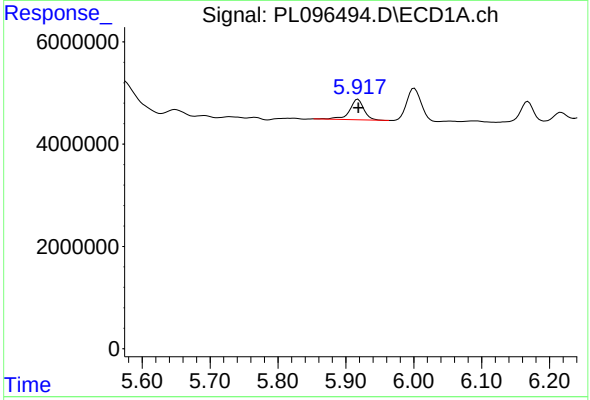
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



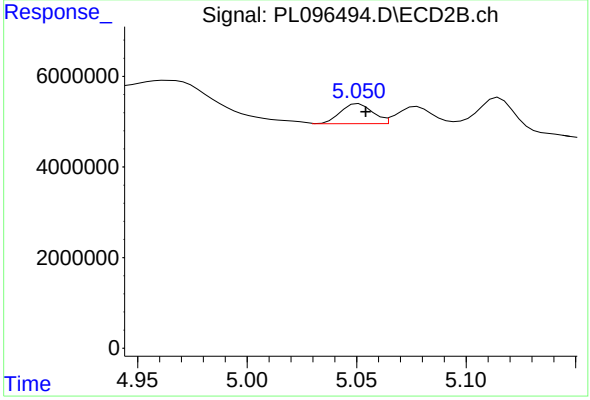
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: 0.000 min
Response: 56070011
Conc: 9.72 ng/ml



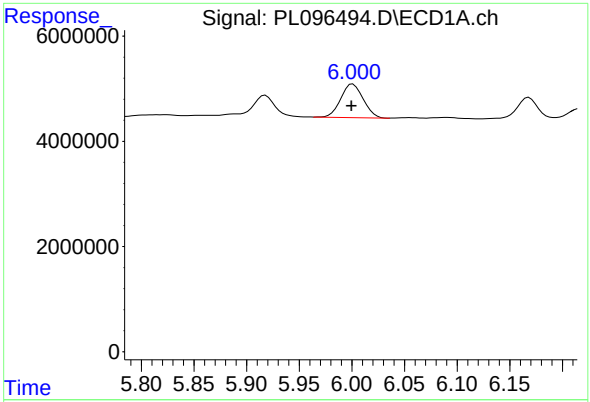
#10 gamma-Chlordane

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 5928290
Conc: 1.34 ng/ml



#10 gamma-Chlordane

R.T.: 5.050 min
Delta R.T.: -0.004 min
Response: 4840429
Conc: 0.69 ng/ml m



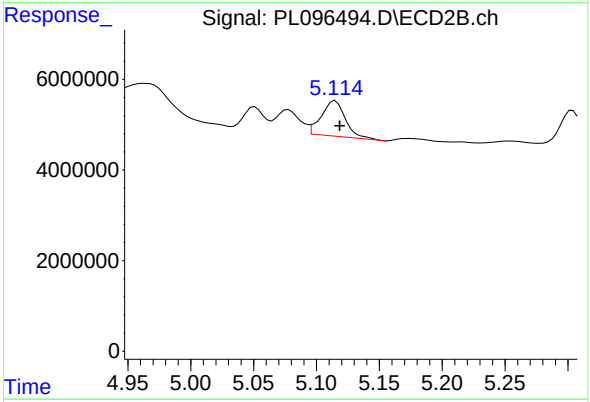
#11 alpha-Chlordane

R.T.: 6.001 min
Delta R.T.: 0.001 min
Response: 9533460
Conc: 2.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-31-071725

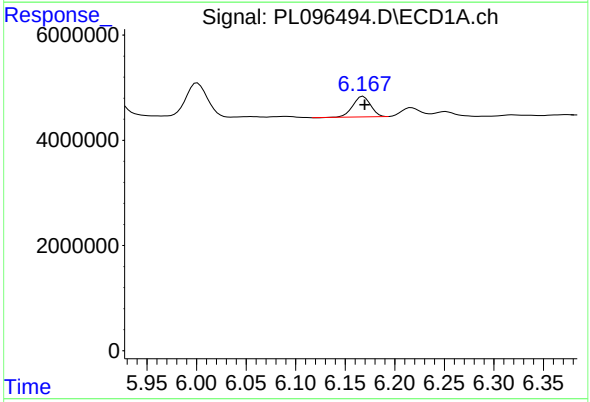
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



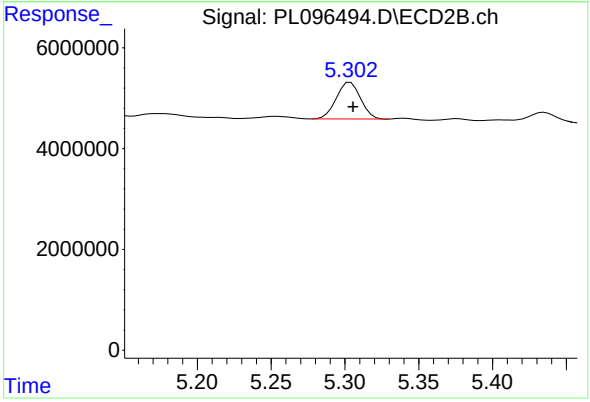
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.004 min
Response: 10439850
Conc: 1.39 ng/ml



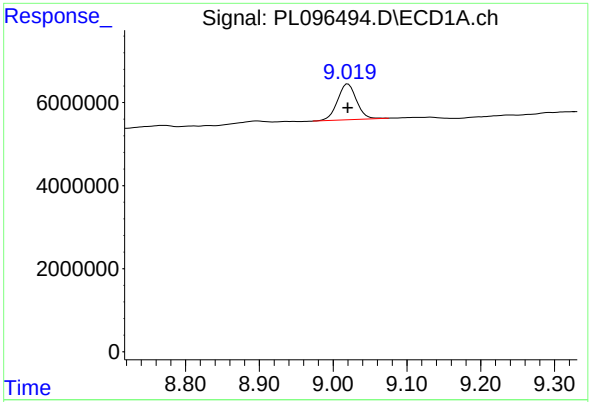
#12 4,4'-DDE

R.T.: 6.168 min
Delta R.T.: -0.001 min
Response: 4887977
Conc: 1.32 ng/ml



#12 4,4'-DDE

R.T.: 5.304 min
Delta R.T.: -0.002 min
Response: 8341669
Conc: 1.29 ng/ml



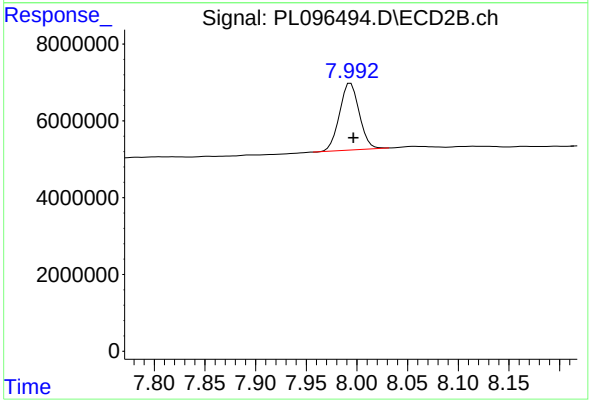
#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 15395841
Conc: 5.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-31-071725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 23438269
Conc: 4.70 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-31-071725RE	SDG No.:	Q2638
Lab Sample ID:	Q2638-01RE	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	68.4 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
PL096507.D	1	07/21/25 08:30	07/22/25 12:40	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00048	U	0.00019	0.00048	0.0025	mg/Kg
319-85-7	beta-BHC	0.0012	U	0.00026	0.0012	0.0025	mg/Kg
319-86-8	delta-BHC	0.0012	U	0.00057	0.0012	0.0025	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00048	U	0.00020	0.00048	0.0025	mg/Kg
76-44-8	Heptachlor	0.00048	U	0.00018	0.00048	0.0025	mg/Kg
309-00-2	Aldrin	0.00048	U	0.00018	0.00048	0.0025	mg/Kg
1024-57-3	Heptachlor epoxide	0.0012	U	0.00028	0.0012	0.0025	mg/Kg
959-98-8	Endosulfan I	0.00048	U	0.00020	0.00048	0.0025	mg/Kg
60-57-1	Dieldrin	0.00048	U	0.00020	0.00048	0.0025	mg/Kg
72-55-9	4,4-DDE	0.00065	J	0.00020	0.00048	0.0025	mg/Kg
72-20-8	Endrin	0.00048	U	0.00020	0.00048	0.0025	mg/Kg
33213-65-9	Endosulfan II	0.0012	U	0.00042	0.0012	0.0025	mg/Kg
72-54-8	4,4-DDD	0.00048	U	0.00022	0.00048	0.0025	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00048	U	0.00019	0.00048	0.0025	mg/Kg
50-29-3	4,4-DDT	0.00048	U	0.00020	0.00048	0.0025	mg/Kg
72-43-5	Methoxychlor	0.0012	U	0.00054	0.0012	0.0025	mg/Kg
53494-70-5	Endrin ketone	0.0012	U	0.00028	0.0012	0.0025	mg/Kg
7421-93-4	Endrin aldehyde	0.0012	U	0.00054	0.0012	0.0025	mg/Kg
5103-71-9	alpha-Chlordane	0.0011	J	0.00018	0.00048	0.0025	mg/Kg
5103-74-2	gamma-Chlordane	0.00062	JP	0.00022	0.00048	0.0025	mg/Kg
8001-35-2	Toxaphene	0.025	U	0.0079	0.025	0.048	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	5.72	*	55 - 130		29%	SPK: 20
877-09-8	Tetrachloro-m-xylene	9.22		42 - 129		46%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-31-071725RE	SDG No.:	Q2638
Lab Sample ID:	Q2638-01RE	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	68.4 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
PL096507.D	1	07/21/25 08:30	07/22/25 12:40	PB168928

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\PL072225\
Data File : PL096507.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 12:40
Operator : AR\AJ
Sample : Q2638-01RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-31-071725RE

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:46:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.824	32179575	53216421	8.819	9.221
28)	SA Decachlor...	9.020	7.993	16093868	28025035	5.721	5.620
	Target Compounds						
10)	B gamma-Chl...	5.916	5.048	5665011	4036170	1.280m	0.575m#
11)	B alpha-Chl...	6.002	5.112	9578304	11372660	2.187	1.512 #
12)	B 4,4'-DDE	6.167	5.300	4979553	8241249	1.343m	1.275m

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

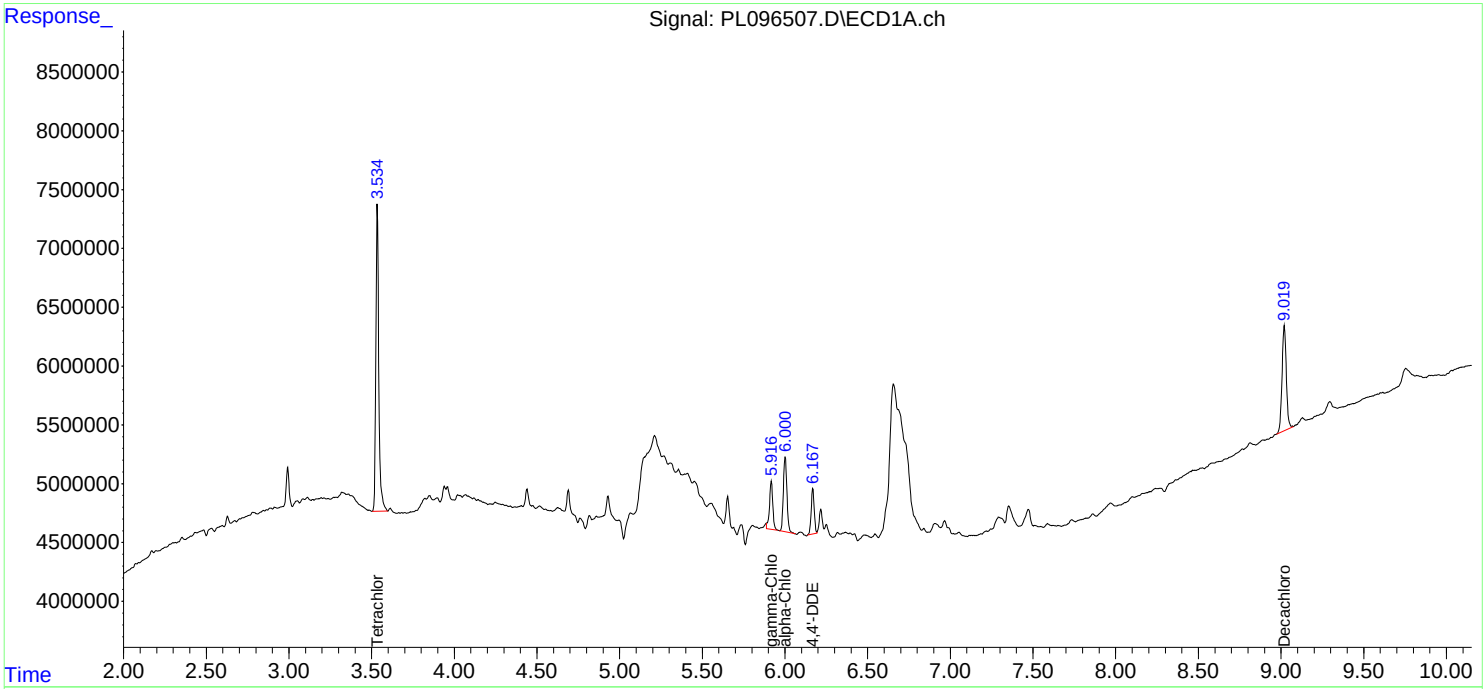
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096507.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 12:40
Operator : AR\AJ
Sample : Q2638-01RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

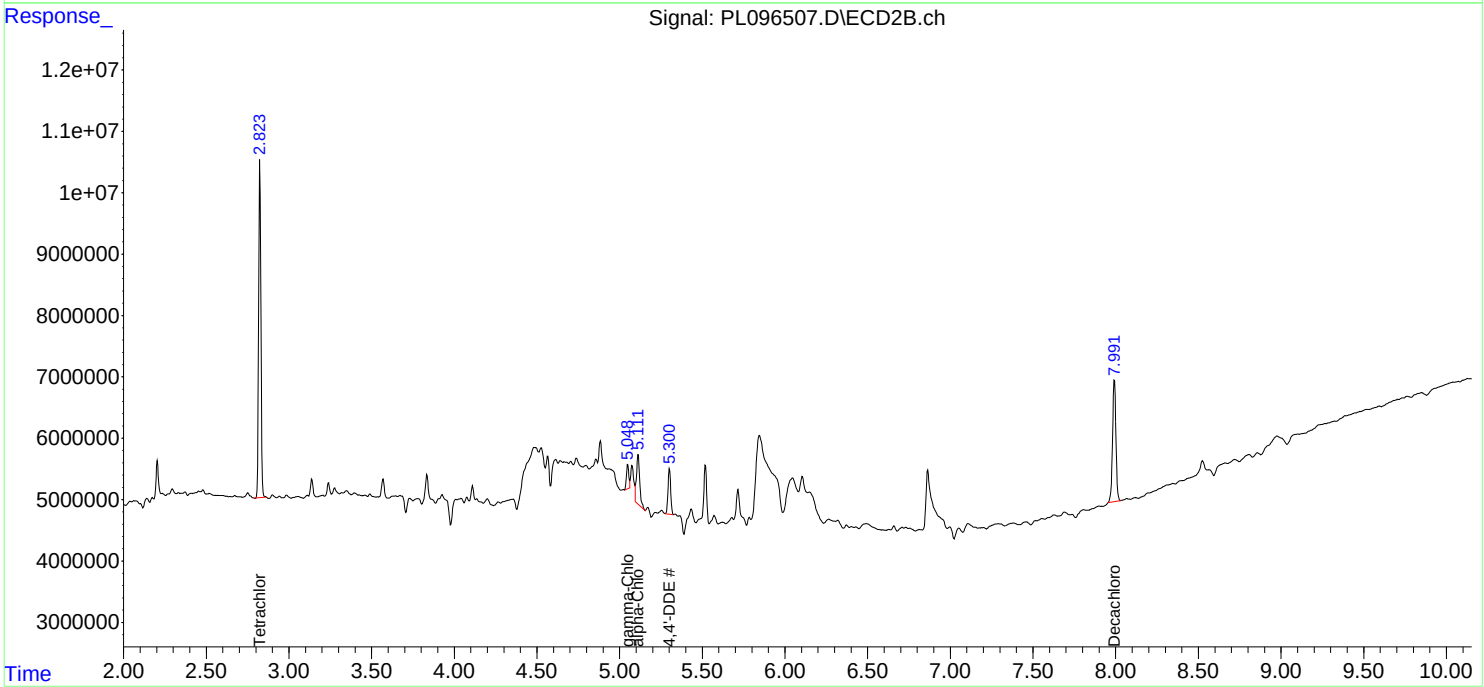
Instrument :
ECD_L
ClientSampleId :
OU4-TS-31-071725RE

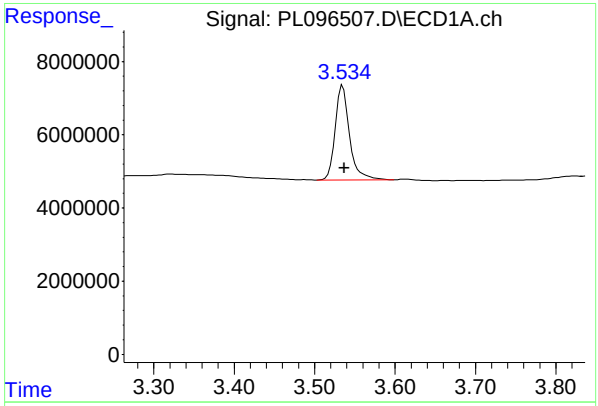
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:46:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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







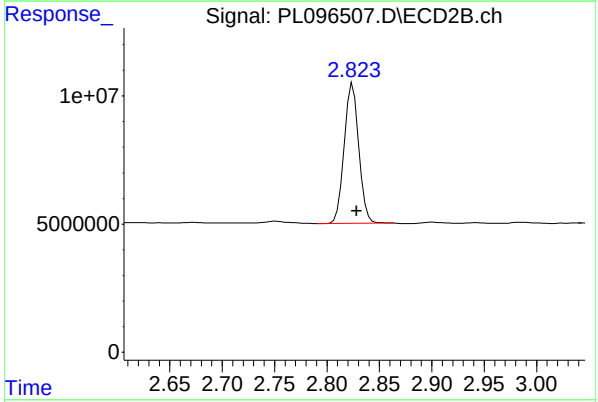
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.002 mi
Response: 32179575
Conc: 8.82 ng/m

Instrument :
ECD_L
ClientSampleId :
OU4-TS-31-071725RE

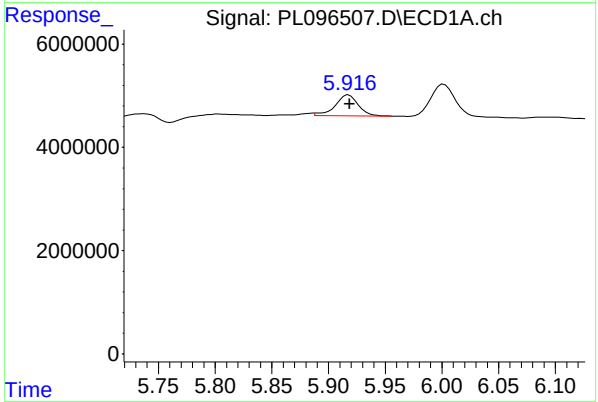
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



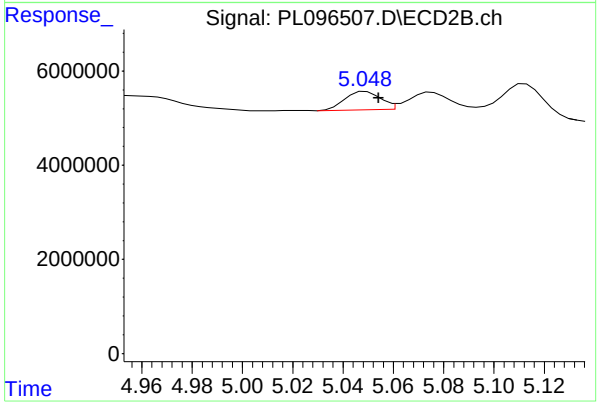
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: -0.004 min
Response: 53216421
Conc: 9.22 ng/ml



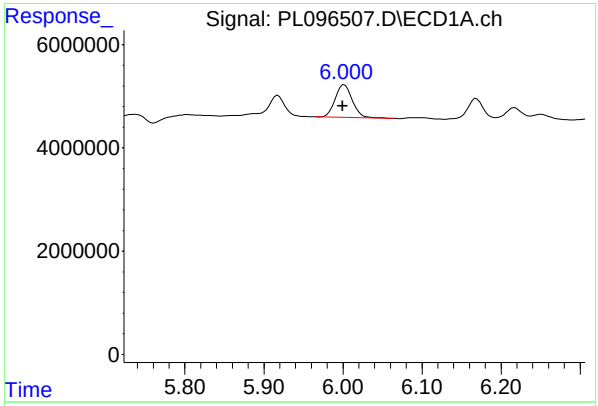
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: -0.002 min
Response: 5665011
Conc: 1.28 ng/ml m



#10 gamma-Chlordane

R.T.: 5.048 min
Delta R.T.: -0.007 min
Response: 4036170
Conc: 0.57 ng/ml m



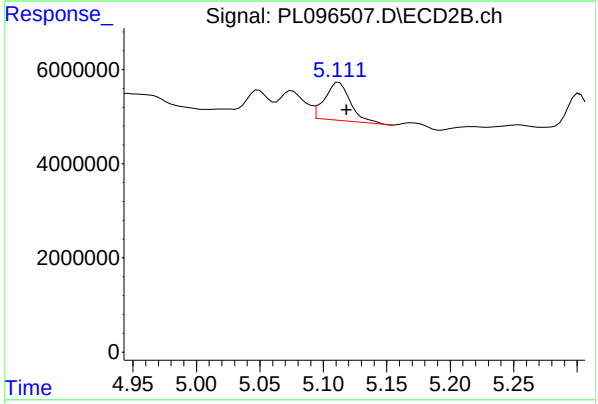
#11 alpha-Chlordane

R.T.: 6.002 min
Delta R.T.: 0.002 min
Response: 9578304
Conc: 2.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-31-071725RE

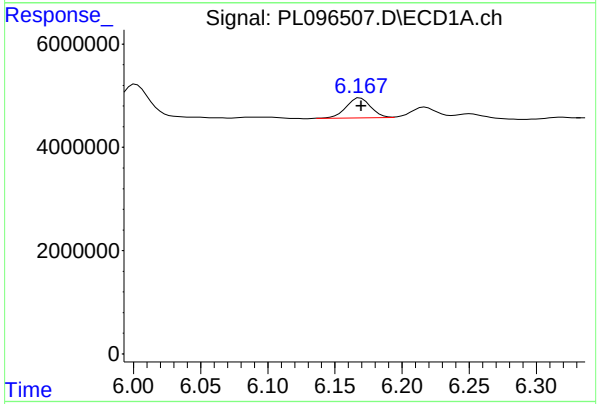
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



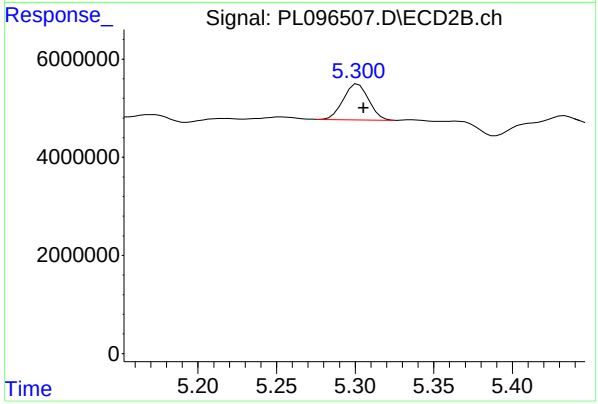
#11 alpha-Chlordane

R.T.: 5.112 min
Delta R.T.: -0.006 min
Response: 11372660
Conc: 1.51 ng/ml



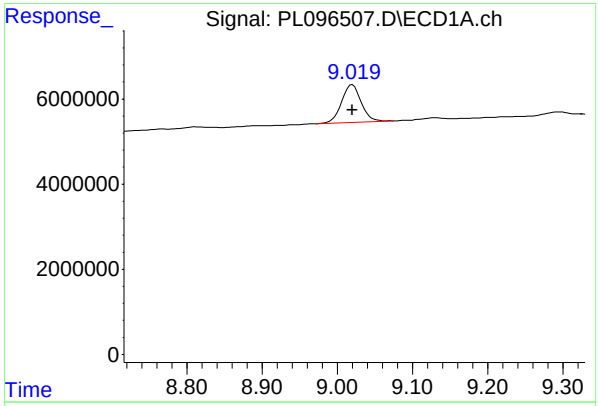
#12 4,4'-DDE

R.T.: 6.167 min
Delta R.T.: -0.002 min
Response: 4979553
Conc: 1.34 ng/ml m



#12 4,4'-DDE

R.T.: 5.300 min
Delta R.T.: -0.005 min
Response: 8241249
Conc: 1.28 ng/ml m



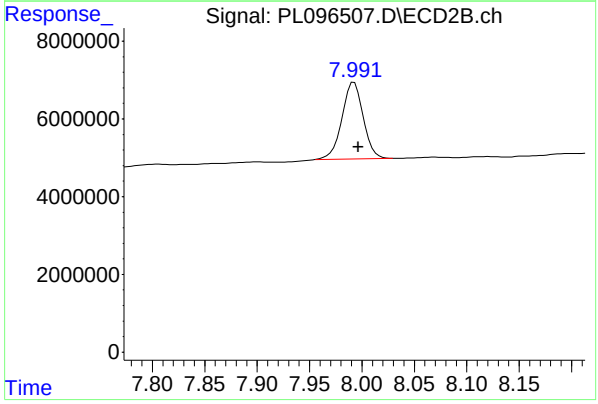
#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 16093868
Conc: 5.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-31-071725RE

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.004 min
Response: 28025035
Conc: 5.62 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-32-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	65.1 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
PL096508.D	1	07/21/25 08:30	07/22/25 12:54	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00051	U	0.00020	0.00051	0.0026	mg/Kg
319-85-7	beta-BHC	0.0013	U	0.00028	0.0013	0.0026	mg/Kg
319-86-8	delta-BHC	0.0013	U	0.00060	0.0013	0.0026	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00051	U	0.00021	0.00051	0.0026	mg/Kg
76-44-8	Heptachlor	0.00051	U	0.00018	0.00051	0.0026	mg/Kg
309-00-2	Aldrin	0.00051	U	0.00018	0.00051	0.0026	mg/Kg
1024-57-3	Heptachlor epoxide	0.0013	U	0.00029	0.0013	0.0026	mg/Kg
959-98-8	Endosulfan I	0.00051	U	0.00021	0.00051	0.0026	mg/Kg
60-57-1	Dieldrin	0.00079	JP	0.00021	0.00051	0.0026	mg/Kg
72-55-9	4,4-DDE	0.00088	J	0.00021	0.00051	0.0026	mg/Kg
72-20-8	Endrin	0.0061	P	0.00021	0.00051	0.0026	mg/Kg
33213-65-9	Endosulfan II	0.0013	U	0.00044	0.0013	0.0026	mg/Kg
72-54-8	4,4-DDD	0.00051	U	0.00023	0.00051	0.0026	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00051	U	0.00020	0.00051	0.0026	mg/Kg
50-29-3	4,4-DDT	0.00051	U	0.00021	0.00051	0.0026	mg/Kg
72-43-5	Methoxychlor	0.0013	U	0.00057	0.0013	0.0026	mg/Kg
53494-70-5	Endrin ketone	0.0013	U	0.00029	0.0013	0.0026	mg/Kg
7421-93-4	Endrin aldehyde	0.0013	U	0.00057	0.0013	0.0026	mg/Kg
5103-71-9	alpha-Chlordane	0.0018	JP	0.00018	0.00051	0.0026	mg/Kg
5103-74-2	gamma-Chlordane	0.0013	J	0.00023	0.00051	0.0026	mg/Kg
8001-35-2	Toxaphene	0.026	U	0.0083	0.026	0.051	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	11.5		55 - 130		58%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.9		42 - 129		75%	SPK: 20

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-32-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	65.1 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
PL096508.D	1	07/21/25 08:30	07/22/25 12:54	PB168928

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\PL072225\
Data File : PL096508.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 12:54
Operator : AR\AJ
Sample : Q2638-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-32-071725

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:46:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.533	2.827	45751110	86290236	12.538m	14.952
28)	SA Decachlor...	9.015	7.988	21778169	57356007	7.742m	11.502 #
	Target Compounds						
10)	B gamma-Chl...	5.913	5.047	9174054	17848183	2.073m	2.543m
11)	B alpha-Chl...	5.997	5.112	15278113	16925733	3.489m	2.251m#
12)	B 4,4'-DDE	6.164	5.303	6377156	9915895	1.720m	1.534
13)	MA Dieldrin	6.316	5.432	2833439	10503367	0.670m	1.540m#
14)	MA Endrin	6.549	5.715	2702827	72307300	0.869m	11.860m#

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

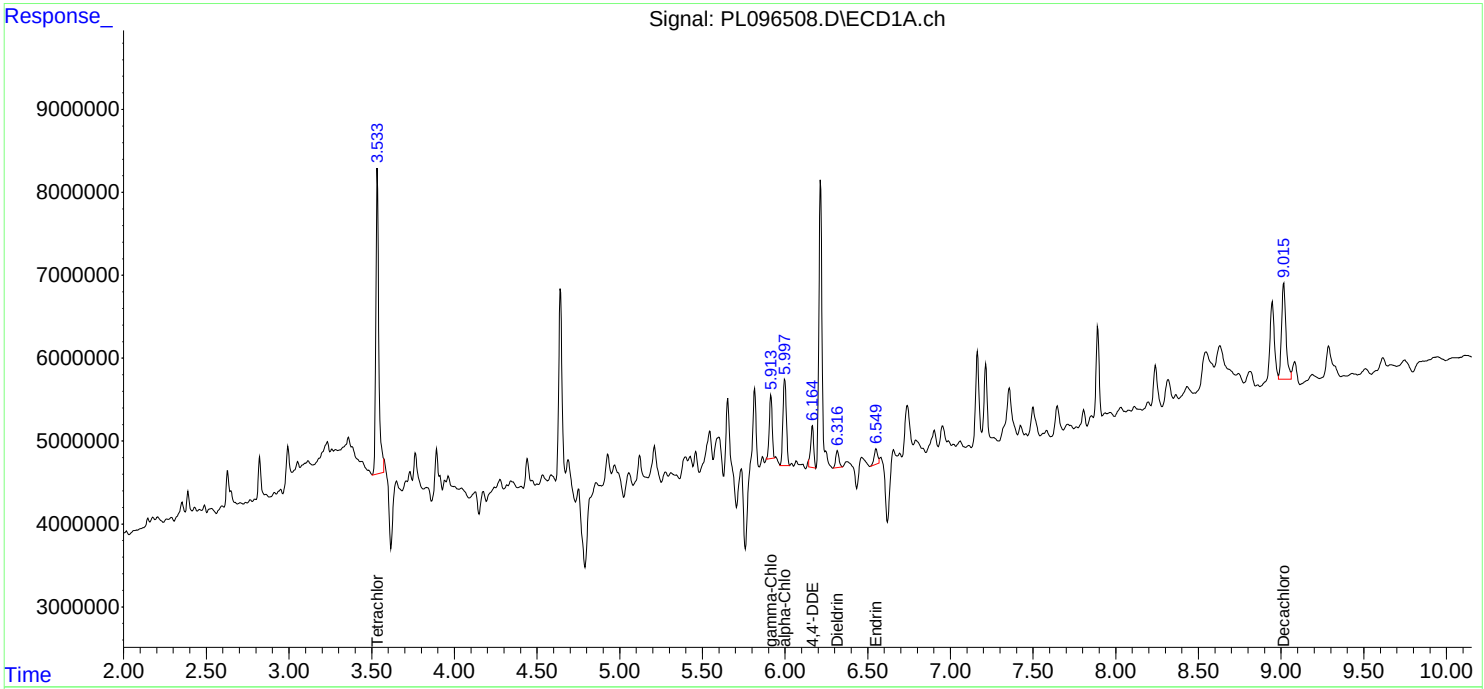
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096508.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 12:54
Operator : AR\AJ
Sample : Q2638-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

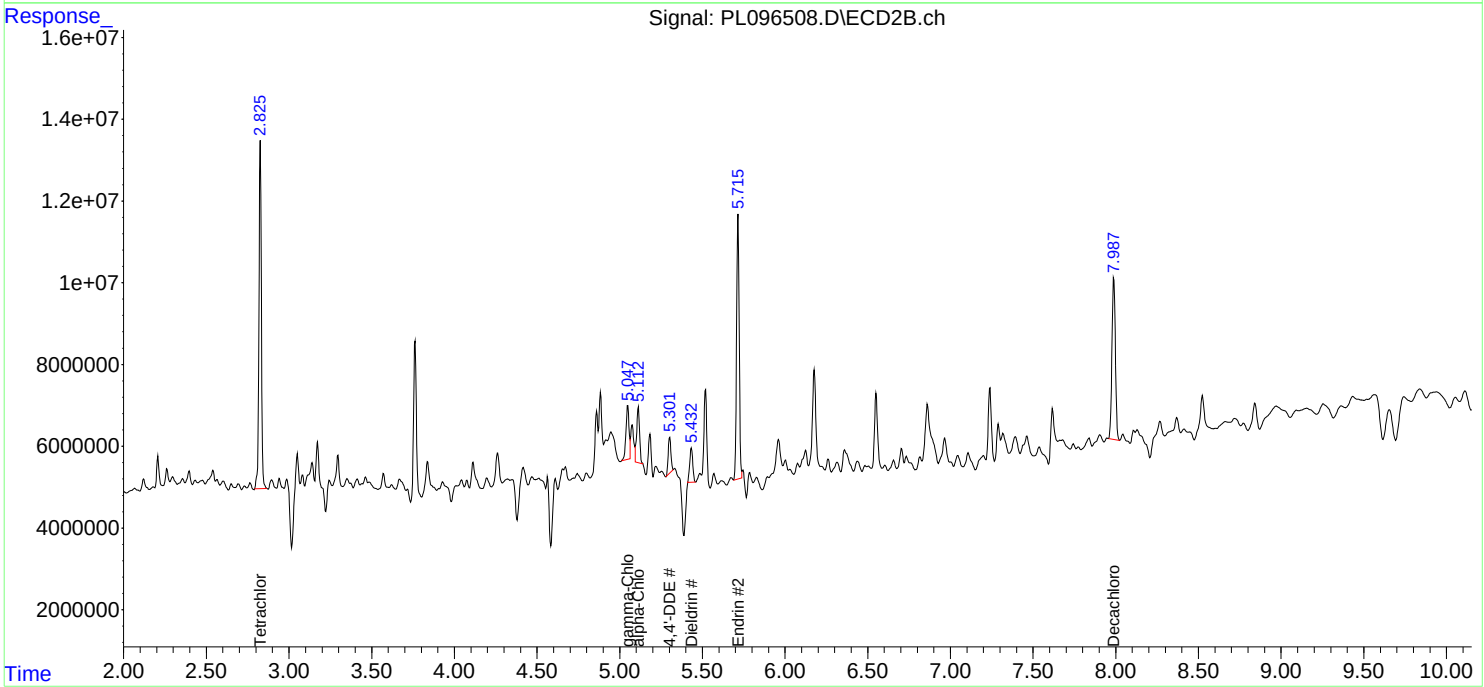
Instrument :
ECD_L
ClientSampleId :
OU4-TS-32-071725

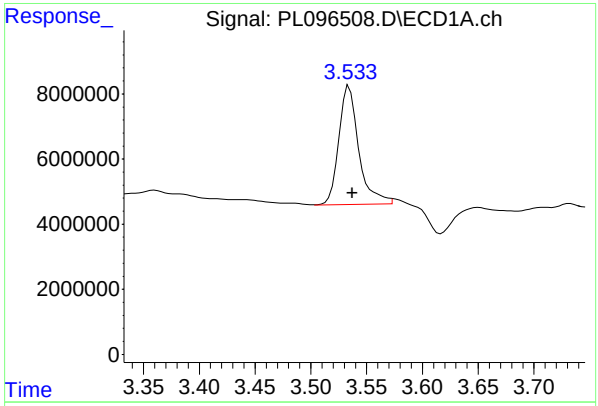
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:46:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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







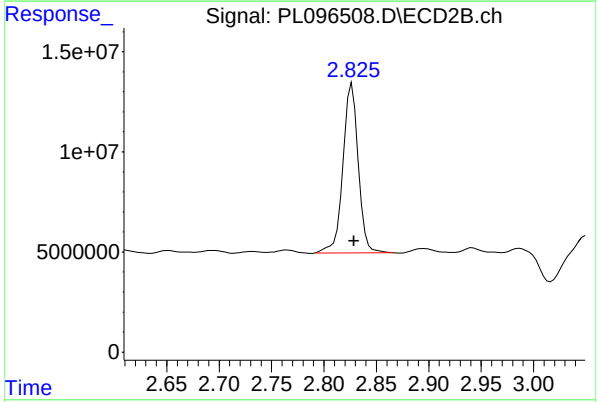
#1 Tetrachloro-m-xylene

R.T.: 3.533 min
Delta R.T.: -0.004 min
Response: 45751110
Conc: 12.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-32-071725

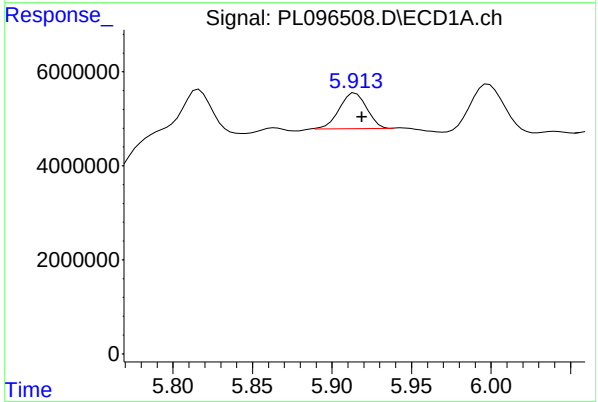
Manual Integrations APPROVED

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Supervised By :mohammad ahmed 07/24/2025



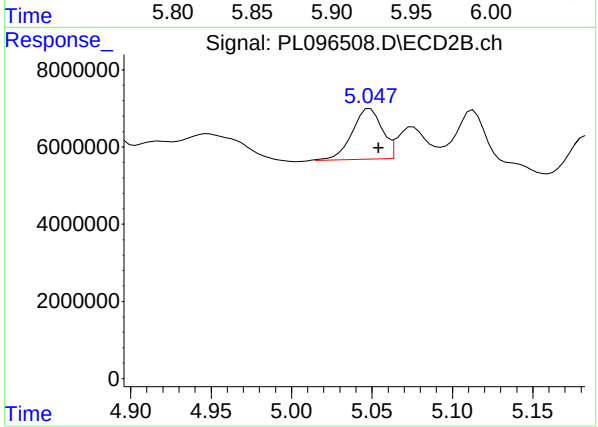
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.002 min
Response: 86290236
Conc: 14.95 ng/ml



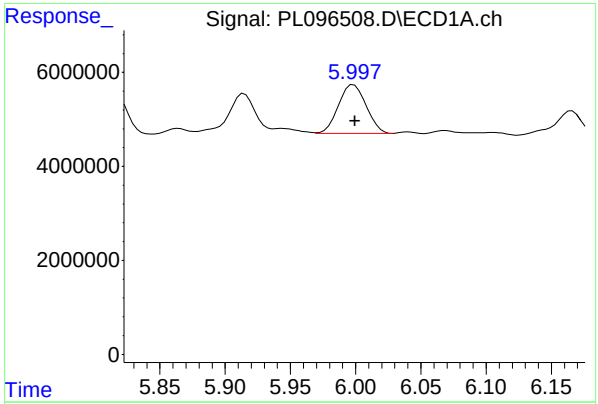
#10 gamma-Chlordane

R.T.: 5.913 min
Delta R.T.: -0.005 min
Response: 9174054
Conc: 2.07 ng/ml m



#10 gamma-Chlordane

R.T.: 5.047 min
Delta R.T.: -0.007 min
Response: 17848183
Conc: 2.54 ng/ml m



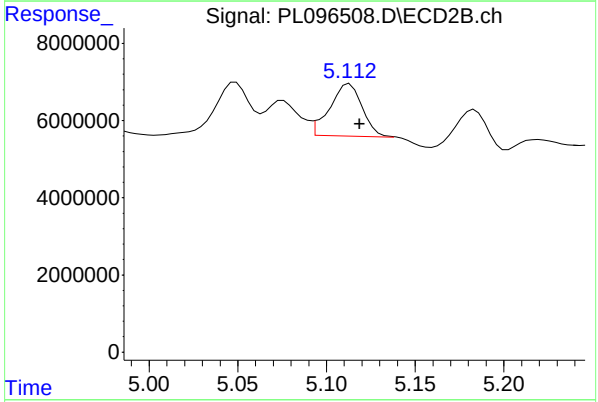
#11 alpha-Chlordane

R.T.: 5.997 min
Delta R.T.: -0.002 mi
Response: 15278113
Conc: 3.49 ng/m

Instrument :
ECD_L
ClientSampleId :
OU4-TS-32-071725

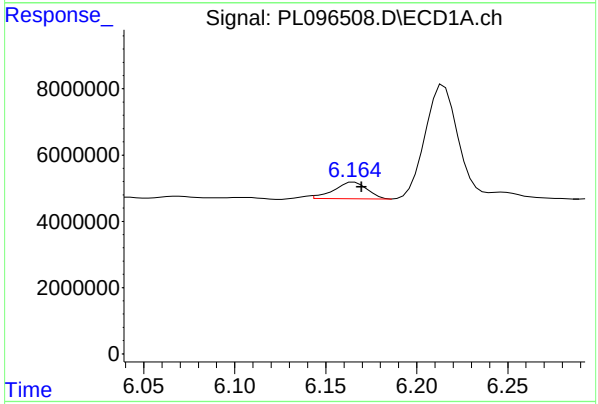
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



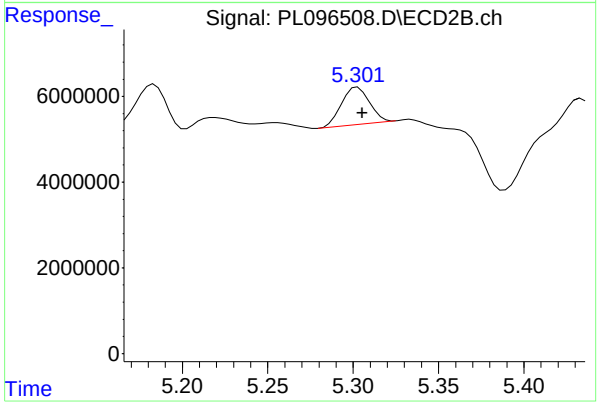
#11 alpha-Chlordane

R.T.: 5.112 min
Delta R.T.: -0.007 min
Response: 16925733
Conc: 2.25 ng/ml m



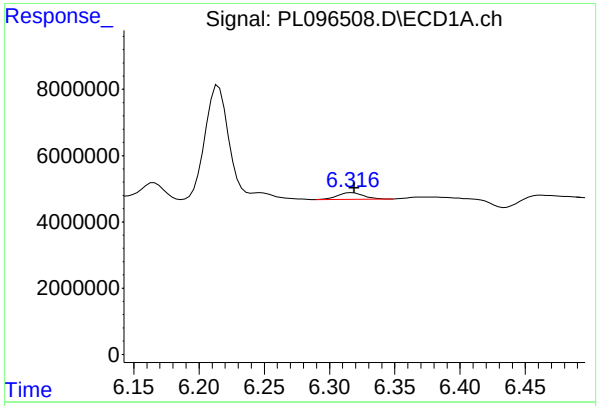
#12 4,4'-DDE

R.T.: 6.164 min
Delta R.T.: -0.005 min
Response: 6377156
Conc: 1.72 ng/ml m



#12 4,4'-DDE

R.T.: 5.303 min
Delta R.T.: -0.003 min
Response: 9915895
Conc: 1.53 ng/ml



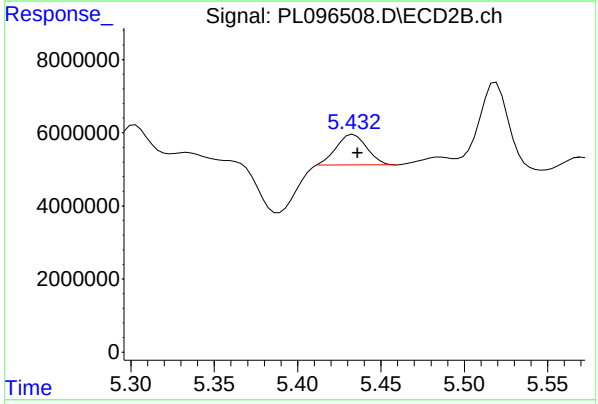
#13 Dieldrin

R.T.: 6.316 min
Delta R.T.: -0.003 mi
Response: 2833439
Conc: 0.67 ng/m

Instrument :
ECD_L
ClientSampleId :
OU4-TS-32-071725

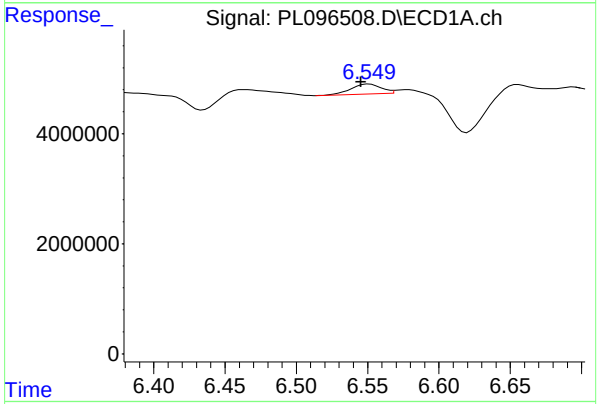
Manual Integrations
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Supervised By :mohammad ahmed 07/24/2025



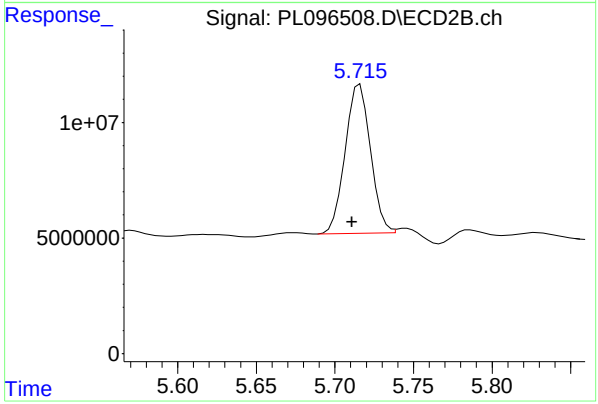
#13 Dieldrin

R.T.: 5.432 min
Delta R.T.: -0.004 min
Response: 10503367
Conc: 1.54 ng/ml m



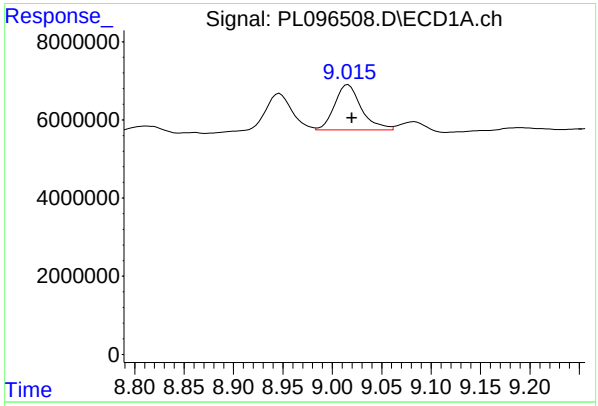
#14 Endrin

R.T.: 6.549 min
Delta R.T.: 0.004 min
Response: 2702827
Conc: 0.87 ng/ml m



#14 Endrin

R.T.: 5.715 min
Delta R.T.: 0.004 min
Response: 72307300
Conc: 11.86 ng/ml m



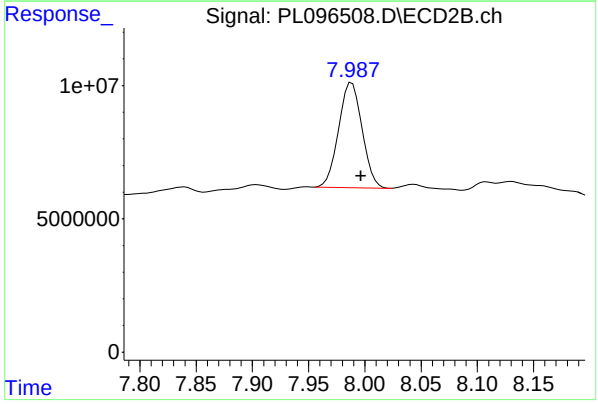
#28 Decachlorobiphenyl

R.T.: 9.015 min
Delta R.T.: -0.005 min
Response: 21778169
Conc: 7.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-32-071725

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



#28 Decachlorobiphenyl

R.T.: 7.988 min
Delta R.T.: -0.008 min
Response: 57356007
Conc: 11.50 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-33-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	64.7 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
PL096496.D	1	07/21/25 08:30	07/21/25 17:20	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00051	U	0.00020	0.00051	0.0026	mg/Kg
319-85-7	beta-BHC	0.0013	U	0.00028	0.0013	0.0026	mg/Kg
319-86-8	delta-BHC	0.0013	U	0.00060	0.0013	0.0026	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00051	U	0.00022	0.00051	0.0026	mg/Kg
76-44-8	Heptachlor	0.00051	U	0.00019	0.00051	0.0026	mg/Kg
309-00-2	Aldrin	0.00051	U	0.00019	0.00051	0.0026	mg/Kg
1024-57-3	Heptachlor epoxide	0.0013	U	0.00029	0.0013	0.0026	mg/Kg
959-98-8	Endosulfan I	0.00051	U	0.00022	0.00051	0.0026	mg/Kg
60-57-1	Dieldrin	0.00051	U	0.00022	0.00051	0.0026	mg/Kg
72-55-9	4,4-DDE	0.00071	J	0.00022	0.00051	0.0026	mg/Kg
72-20-8	Endrin	0.00051	U	0.00022	0.00051	0.0026	mg/Kg
33213-65-9	Endosulfan II	0.0013	U	0.00045	0.0013	0.0026	mg/Kg
72-54-8	4,4-DDD	0.00051	U	0.00023	0.00051	0.0026	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00051	U	0.00020	0.00051	0.0026	mg/Kg
50-29-3	4,4-DDT	0.00051	U	0.00022	0.00051	0.0026	mg/Kg
72-43-5	Methoxychlor	0.0013	U	0.00057	0.0013	0.0026	mg/Kg
53494-70-5	Endrin ketone	0.0013	U	0.00029	0.0013	0.0026	mg/Kg
7421-93-4	Endrin aldehyde	0.0013	U	0.00057	0.0013	0.0026	mg/Kg
5103-71-9	alpha-Chlordane	0.0012	JP	0.00019	0.00051	0.0026	mg/Kg
5103-74-2	gamma-Chlordane	0.00075	JP	0.00023	0.00051	0.0026	mg/Kg
8001-35-2	Toxaphene	0.026	U	0.0084	0.026	0.051	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	7.30	*	55 - 130		37%	SPK: 20
877-09-8	Tetrachloro-m-xylene	11.3		42 - 129		57%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-33-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	64.7 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
PL096496.D	1	07/21/25 08:30	07/21/25 17:20	PB168928

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\PL072125\
Data File : PL096496.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 17:20
Operator : AR\AJ
Sample : Q2638-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-33-071725

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:48:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.829	40150448	65473561	11.003	11.345
28)	SA Decachlor...	9.020	7.994	20546560	33778485	7.304	6.774
	Target Compounds						
10)	B gamma-Chl...	5.919	5.050	6417009	3241149	1.450	0.462m#
11)	B alpha-Chl...	6.001	5.116	9931050	9497197	2.268	1.263 #
12)	B 4,4'-DDE	6.168	5.305	5126975	7772994	1.383	1.203

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

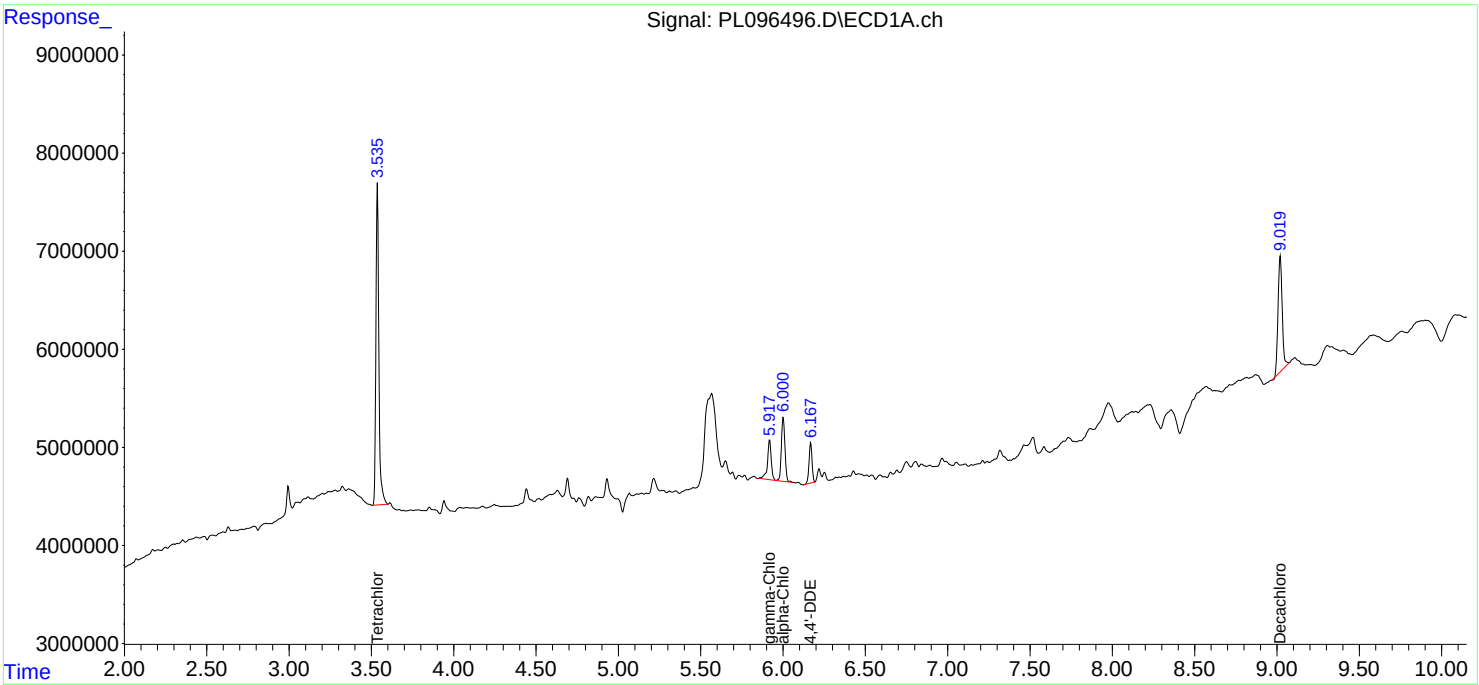
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096496.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 17:20
Operator : AR\AJ
Sample : Q2638-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

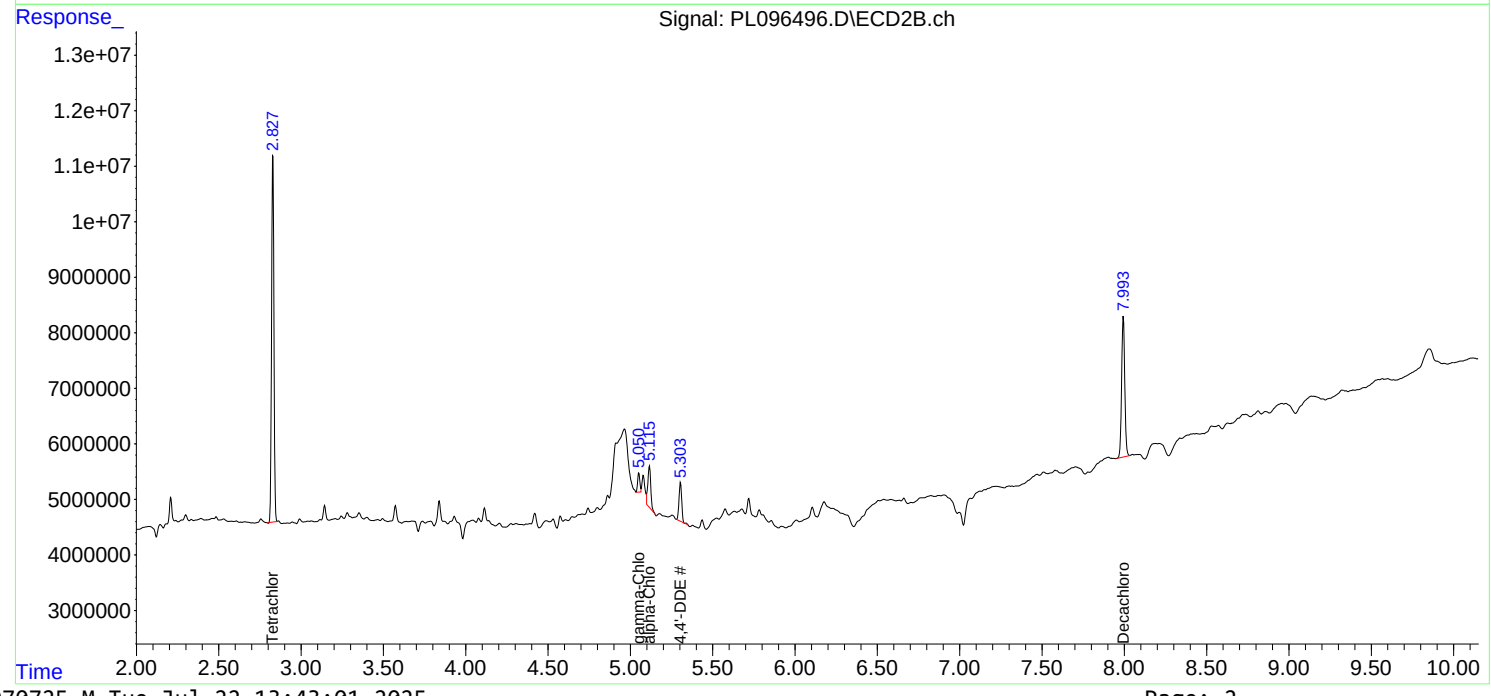
Instrument :
ECD_L
ClientSampleId :
OU4-TS-33-071725

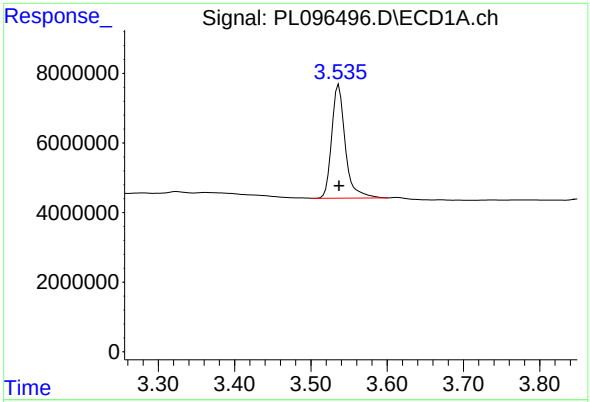
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:48:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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







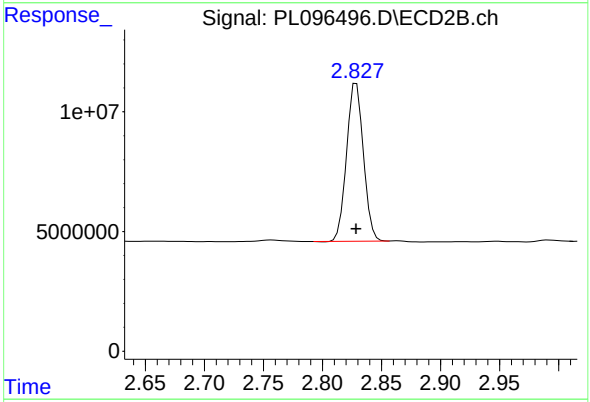
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 40150448
Conc: 11.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-33-071725

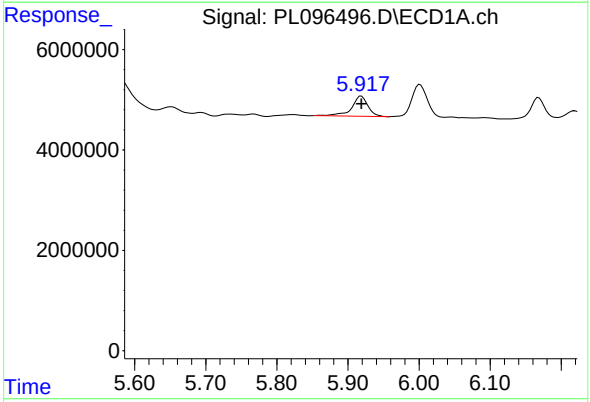
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



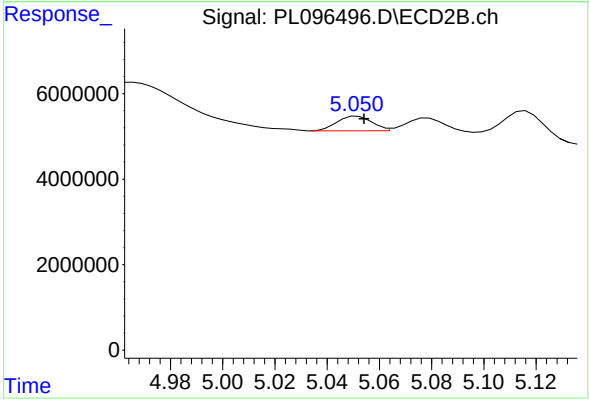
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 65473561
Conc: 11.34 ng/ml



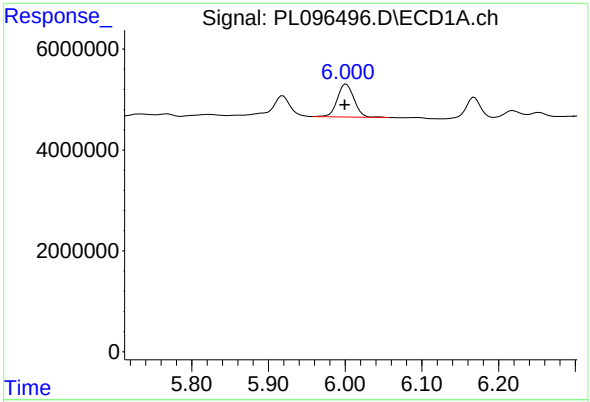
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 6417009
Conc: 1.45 ng/ml



#10 gamma-Chlordane

R.T.: 5.050 min
Delta R.T.: -0.004 min
Response: 3241149
Conc: 0.46 ng/ml m



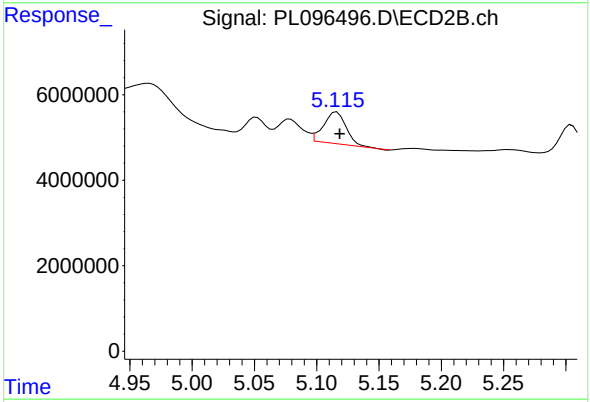
#11 alpha-Chlordane

R.T.: 6.001 min
Delta R.T.: 0.002 min
Response: 9931050
Conc: 2.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-33-071725

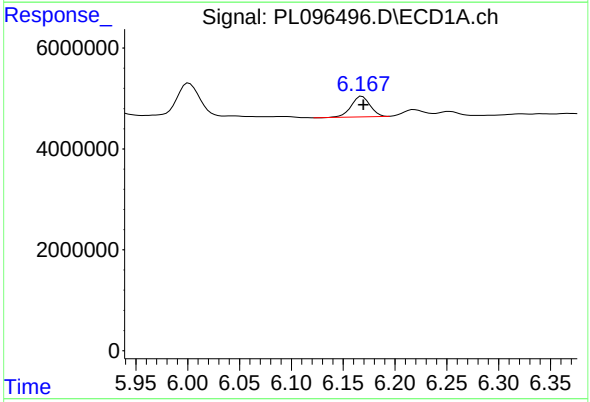
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



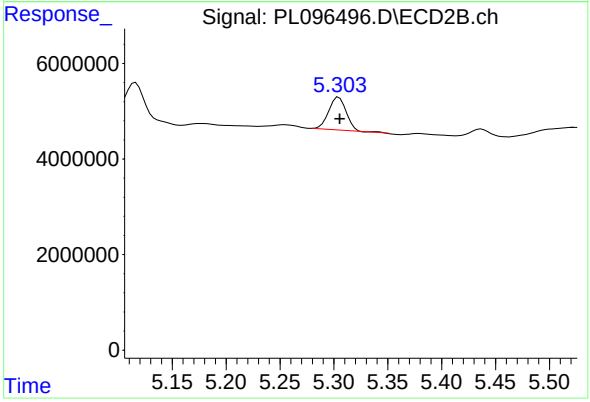
#11 alpha-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.003 min
Response: 9497197
Conc: 1.26 ng/ml



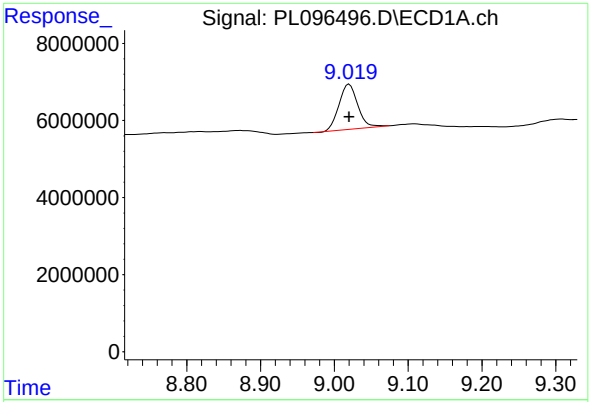
#12 4,4'-DDE

R.T.: 6.168 min
Delta R.T.: -0.001 min
Response: 5126975
Conc: 1.38 ng/ml



#12 4,4'-DDE

R.T.: 5.305 min
Delta R.T.: 0.000 min
Response: 7772994
Conc: 1.20 ng/ml



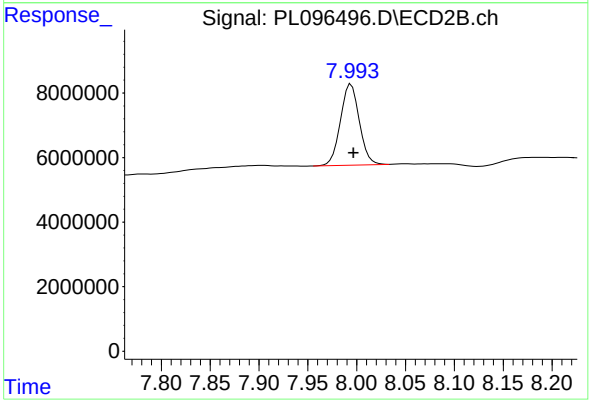
#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 20546560
Conc: 7.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-33-071725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.002 min
Response: 33778485
Conc: 6.77 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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-33-071725RE	SDG No.:	Q2638
Lab Sample ID:	Q2638-05RE	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	64.7 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
PL096509.D	1	07/21/25 08:30	07/22/25 13:07	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00051	U	0.00020	0.00051	0.0026	mg/Kg
319-85-7	beta-BHC	0.0013	U	0.00028	0.0013	0.0026	mg/Kg
319-86-8	delta-BHC	0.0013	U	0.00060	0.0013	0.0026	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00051	U	0.00022	0.00051	0.0026	mg/Kg
76-44-8	Heptachlor	0.00051	U	0.00019	0.00051	0.0026	mg/Kg
309-00-2	Aldrin	0.00051	U	0.00019	0.00051	0.0026	mg/Kg
1024-57-3	Heptachlor epoxide	0.0013	U	0.00029	0.0013	0.0026	mg/Kg
959-98-8	Endosulfan I	0.00051	U	0.00022	0.00051	0.0026	mg/Kg
60-57-1	Dieldrin	0.00051	U	0.00022	0.00051	0.0026	mg/Kg
72-55-9	4,4-DDE	0.00068	J	0.00022	0.00051	0.0026	mg/Kg
72-20-8	Endrin	0.00051	U	0.00022	0.00051	0.0026	mg/Kg
33213-65-9	Endosulfan II	0.0013	U	0.00045	0.0013	0.0026	mg/Kg
72-54-8	4,4-DDD	0.00051	U	0.00023	0.00051	0.0026	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00051	U	0.00020	0.00051	0.0026	mg/Kg
50-29-3	4,4-DDT	0.00051	U	0.00022	0.00051	0.0026	mg/Kg
72-43-5	Methoxychlor	0.0013	U	0.00057	0.0013	0.0026	mg/Kg
53494-70-5	Endrin ketone	0.0013	U	0.00029	0.0013	0.0026	mg/Kg
7421-93-4	Endrin aldehyde	0.0013	U	0.00057	0.0013	0.0026	mg/Kg
5103-71-9	alpha-Chlordane	0.0011	JP	0.00019	0.00051	0.0026	mg/Kg
5103-74-2	gamma-Chlordane	0.00061	JP	0.00023	0.00051	0.0026	mg/Kg
8001-35-2	Toxaphene	0.026	U	0.0084	0.026	0.051	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	7.82	*	55 - 130		39%	SPK: 20
877-09-8	Tetrachloro-m-xylene	11.1		42 - 129		55%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-33-071725RE	SDG No.:	Q2638
Lab Sample ID:	Q2638-05RE	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	64.7 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
PL096509.D	1	07/21/25 08:30	07/22/25 13:07	PB168928

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\PL072225\
Data File : PL096509.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 13:07
Operator : AR\AJ
Sample : Q2638-05RE
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-33-071725RE

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:47:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.827	37921190	63810245	10.392	11.057
28)	SA Decachlor...	9.015	7.991	21233337	38980556	7.548	7.817
	Target Compounds						
10)	B gamma-Chl...	5.914	5.048	5220690	3198479	1.180m	0.456m#
11)	B alpha-Chl...	5.998	5.114	9509253	10007081	2.172	1.331 #
12)	B 4,4'-DDE	6.164	5.301	4910522	7590701	1.324m	1.174m

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

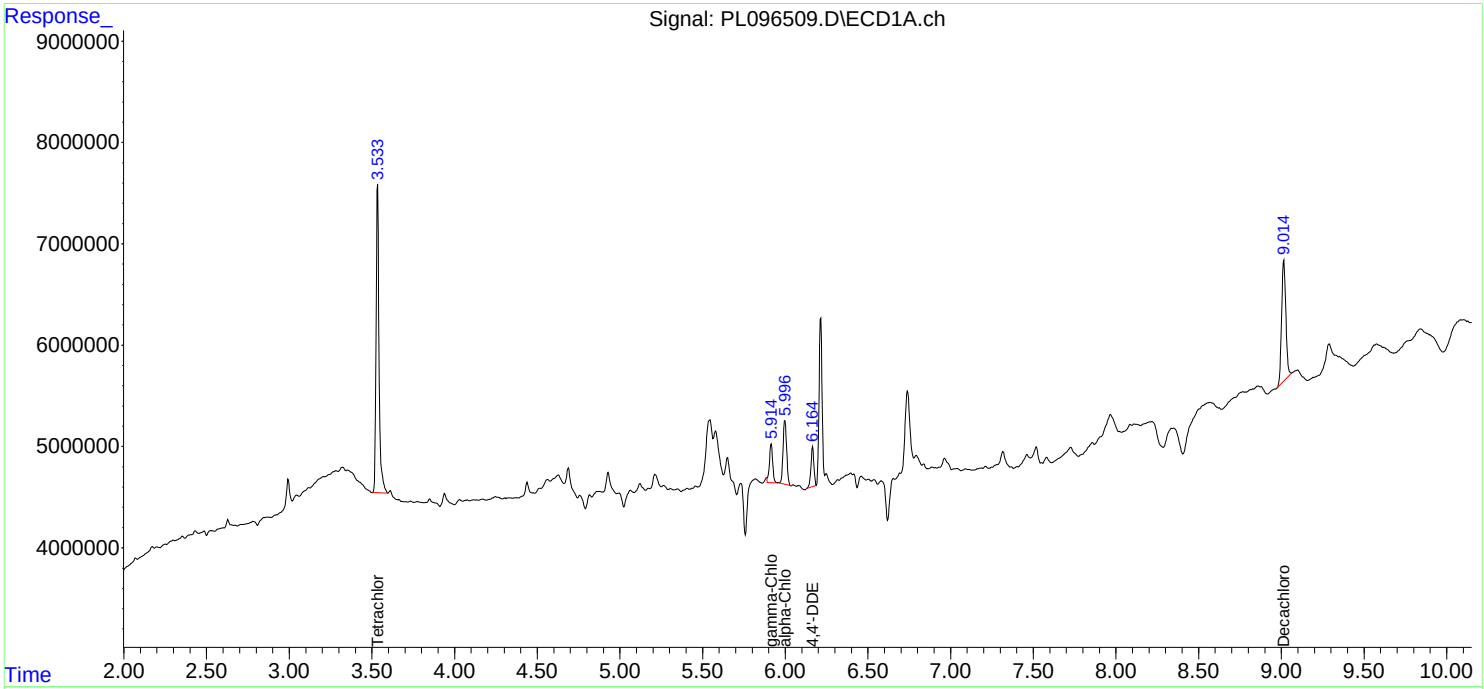
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096509.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 13:07
Operator : AR\AJ
Sample : Q2638-05RE
Misc :
ALS Vial : 7 Sample Multiplier: 1

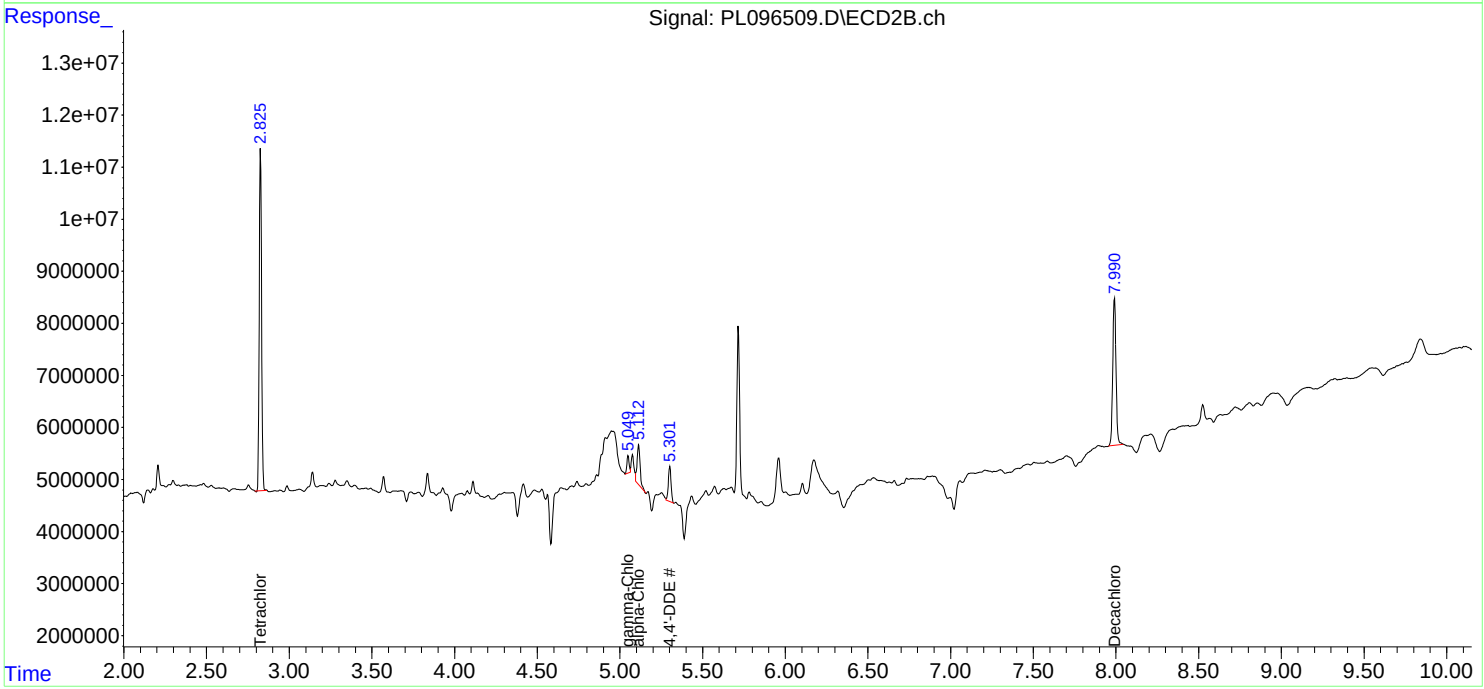
Instrument :
ECD_L
ClientSampleId :
OU4-TS-33-071725RE

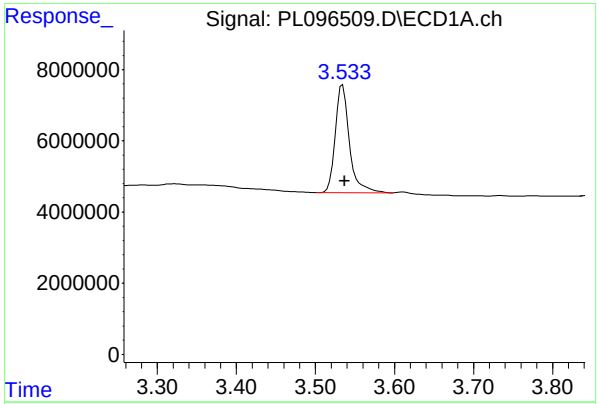
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:47:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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







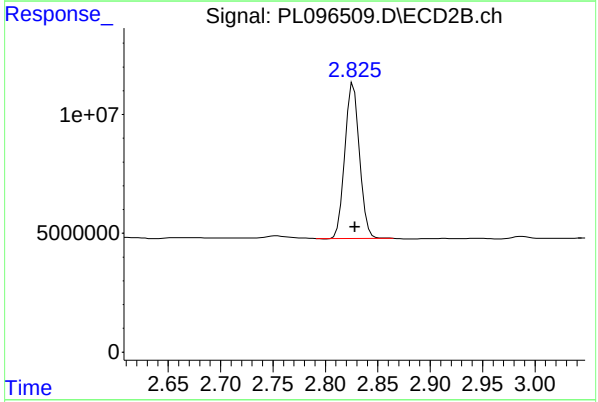
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 37921190
Conc: 10.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-33-071725RE

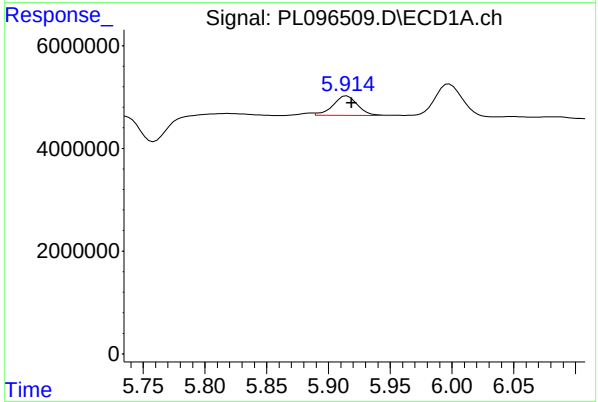
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



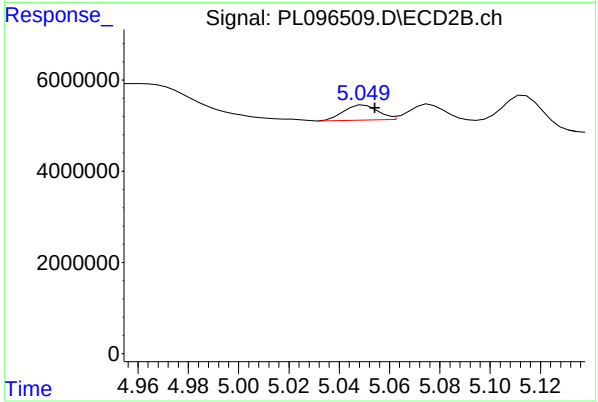
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.002 min
Response: 63810245
Conc: 11.06 ng/ml



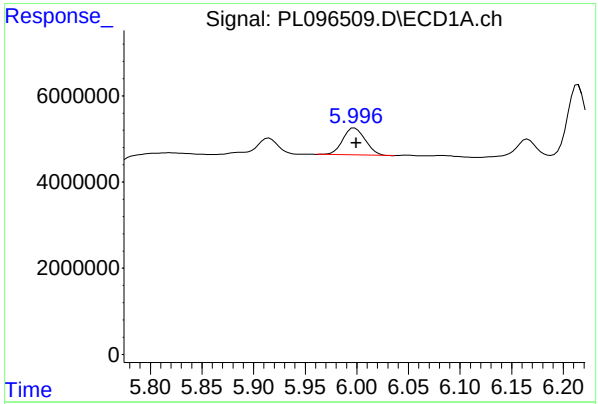
#10 gamma-Chlordane

R.T.: 5.914 min
Delta R.T.: -0.005 min
Response: 5220690
Conc: 1.18 ng/ml m



#10 gamma-Chlordane

R.T.: 5.048 min
Delta R.T.: -0.006 min
Response: 3198479
Conc: 0.46 ng/ml m



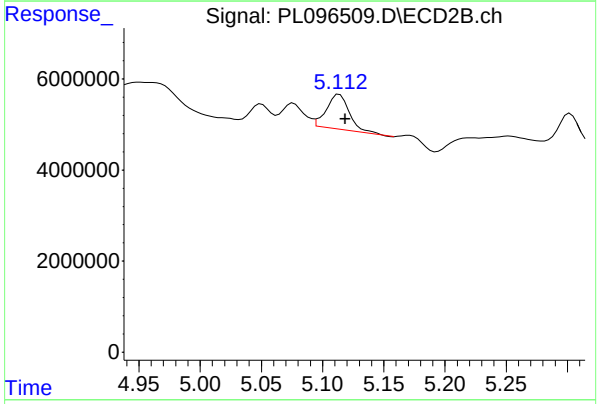
#11 alpha-Chlordane

R.T.: 5.998 min
Delta R.T.: -0.002 mi
Response: 9509253
Conc: 2.17 ng/m

Instrument :
ECD_L
ClientSampleId :
OU4-TS-33-071725RE

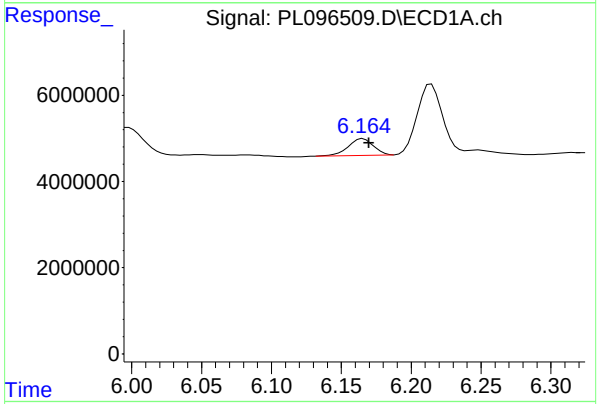
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



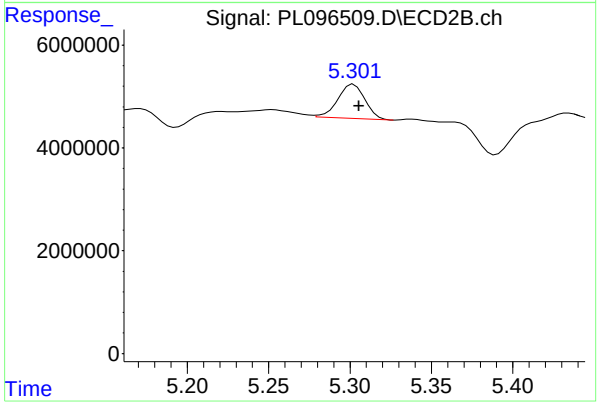
#11 alpha-Chlordane

R.T.: 5.114 min
Delta R.T.: -0.005 min
Response: 10007081
Conc: 1.33 ng/ml



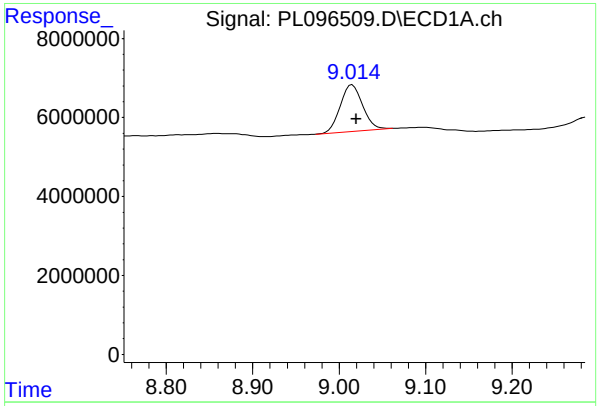
#12 4,4'-DDE

R.T.: 6.164 min
Delta R.T.: -0.005 min
Response: 4910522
Conc: 1.32 ng/ml m



#12 4,4'-DDE

R.T.: 5.301 min
Delta R.T.: -0.004 min
Response: 7590701
Conc: 1.17 ng/ml m



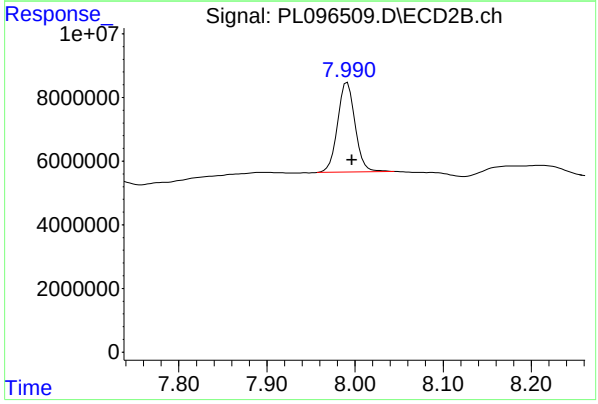
#28 Decachlorobiphenyl

R.T.: 9.015 min
Delta R.T.: -0.005 min
Response: 21233337
Conc: 7.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-33-071725RE

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



#28 Decachlorobiphenyl

R.T.: 7.991 min
Delta R.T.: -0.005 min
Response: 38980556
Conc: 7.82 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-34-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	68.5 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
PL096497.D	1	07/21/25 08:30	07/21/25 17:34	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00048	U	0.00019	0.00048	0.0025	mg/Kg
319-85-7	beta-BHC	0.0012	U	0.00026	0.0012	0.0025	mg/Kg
319-86-8	delta-BHC	0.0012	U	0.00057	0.0012	0.0025	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00048	U	0.00020	0.00048	0.0025	mg/Kg
76-44-8	Heptachlor	0.00048	U	0.00017	0.00048	0.0025	mg/Kg
309-00-2	Aldrin	0.00048	U	0.00017	0.00048	0.0025	mg/Kg
1024-57-3	Heptachlor epoxide	0.0012	U	0.00028	0.0012	0.0025	mg/Kg
959-98-8	Endosulfan I	0.00048	U	0.00020	0.00048	0.0025	mg/Kg
60-57-1	Dieldrin	0.00048	U	0.00020	0.00048	0.0025	mg/Kg
72-55-9	4,4-DDE	0.00069	J	0.00020	0.00048	0.0025	mg/Kg
72-20-8	Endrin	0.00048	U	0.00020	0.00048	0.0025	mg/Kg
33213-65-9	Endosulfan II	0.0012	U	0.00042	0.0012	0.0025	mg/Kg
72-54-8	4,4-DDD	0.00048	U	0.00022	0.00048	0.0025	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00048	U	0.00019	0.00048	0.0025	mg/Kg
50-29-3	4,4-DDT	0.00048	U	0.00020	0.00048	0.0025	mg/Kg
72-43-5	Methoxychlor	0.0012	U	0.00054	0.0012	0.0025	mg/Kg
53494-70-5	Endrin ketone	0.0012	U	0.00028	0.0012	0.0025	mg/Kg
7421-93-4	Endrin aldehyde	0.0012	U	0.00054	0.0012	0.0025	mg/Kg
5103-71-9	alpha-Chlordane	0.0011	JP	0.00017	0.00048	0.0025	mg/Kg
5103-74-2	gamma-Chlordane	0.00067	JP	0.00022	0.00048	0.0025	mg/Kg
8001-35-2	Toxaphene	0.025	U	0.0079	0.025	0.048	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	6.81	*	55 - 130		34%	SPK: 20
877-09-8	Tetrachloro-m-xylene	10.6		42 - 129		53%	SPK: 20

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Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-34-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	68.5 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
PL096497.D	1	07/21/25 08:30	07/21/25 17:34	PB168928

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\PL072125\
Data File : PL096497.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 17:34
Operator : AR\AJ
Sample : Q2638-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-34-071725

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:48:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.828	36949391	61169244	10.126	10.599
28)	SA Decachlor...	9.018	7.994	19166431	29921192	6.813	6.000
	Target Compounds						
10)	B gamma-Chl...	5.918	5.050	6071535	4354505	1.372	0.620m#
11)	B alpha-Chl...	6.000	5.114	9764946	10830620	2.230	1.440m#
12)	B 4,4'-DDE	6.166	5.304	5319473	8296897	1.435m	1.284

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

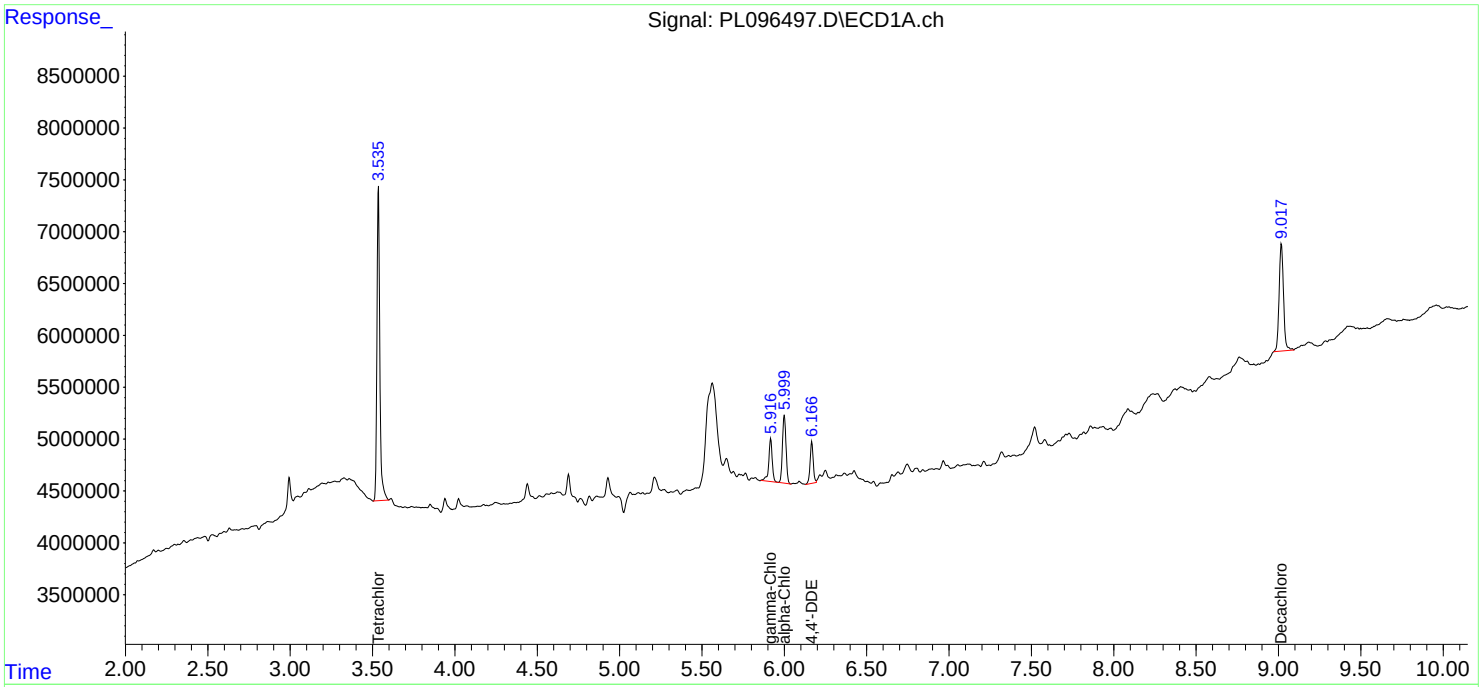
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096497.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 17:34
Operator : AR\AJ
Sample : Q2638-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

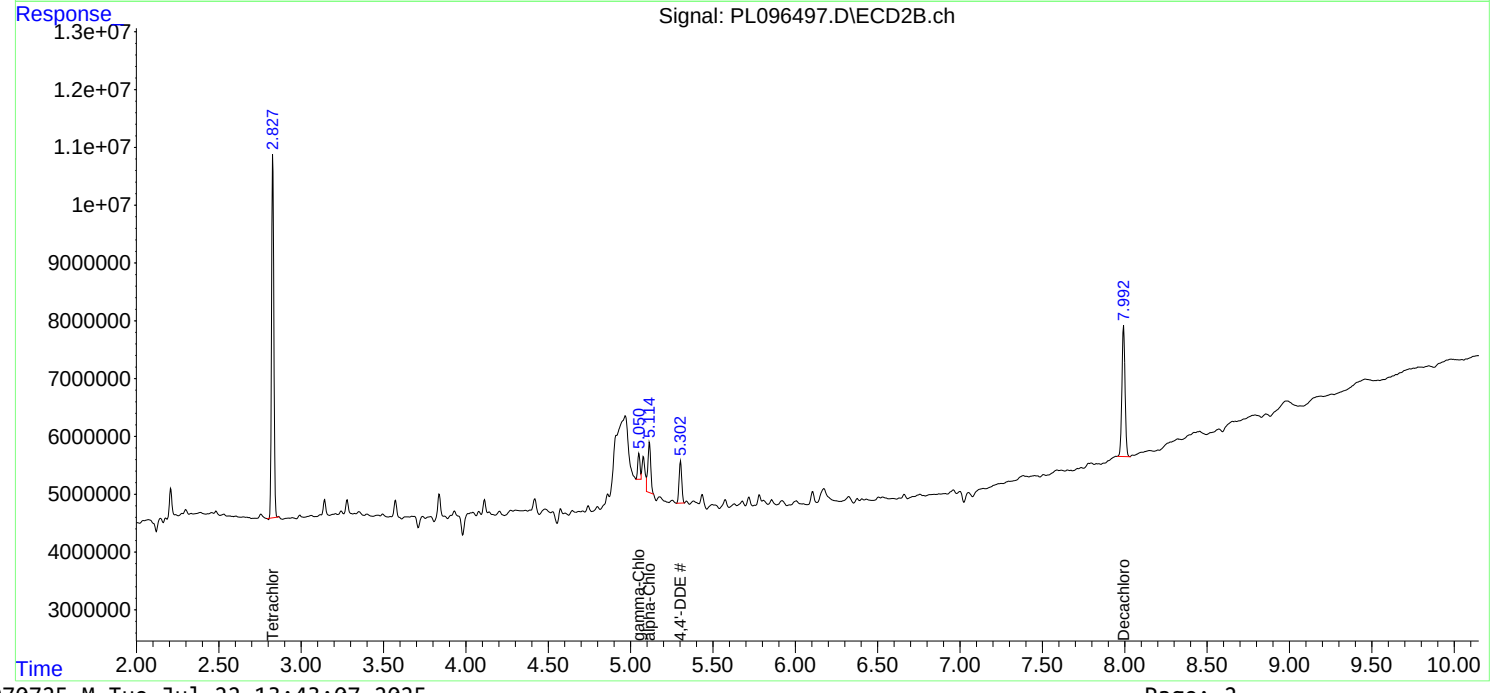
Instrument :
ECD_L
ClientSampleId :
OU4-TS-34-071725

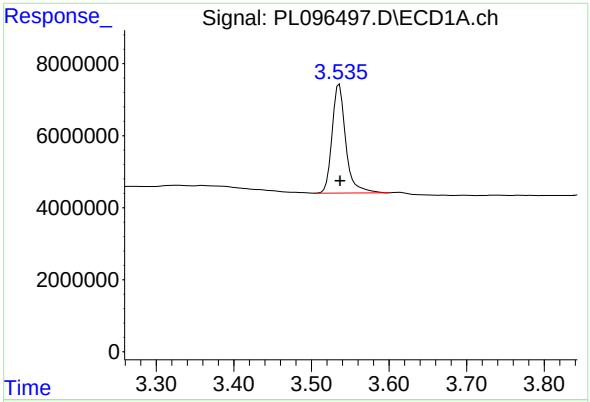
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:48:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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







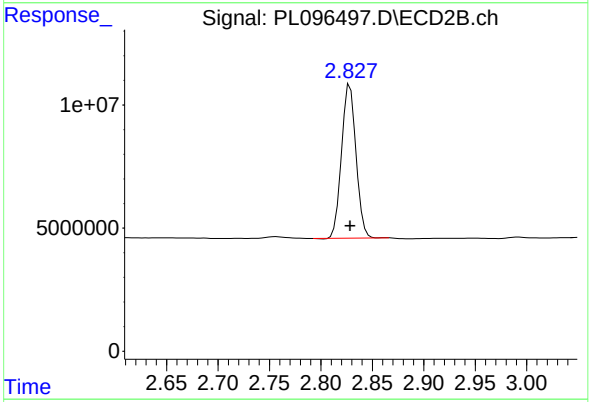
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.001 min
Response: 36949391
Conc: 10.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-34-071725

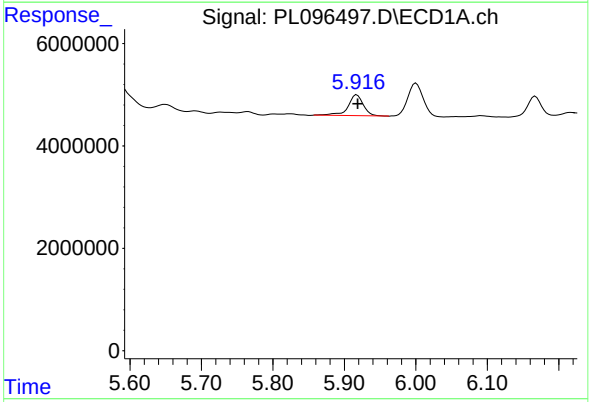
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



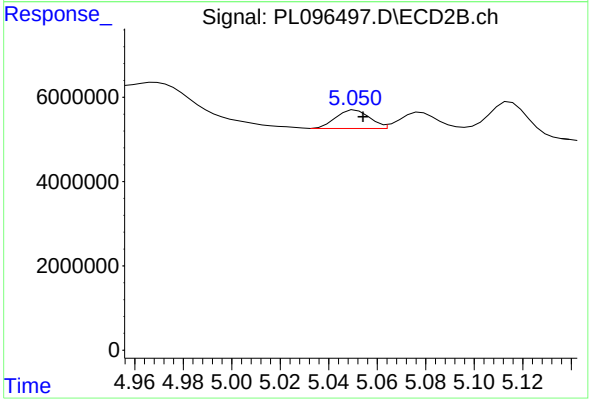
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 61169244
Conc: 10.60 ng/ml



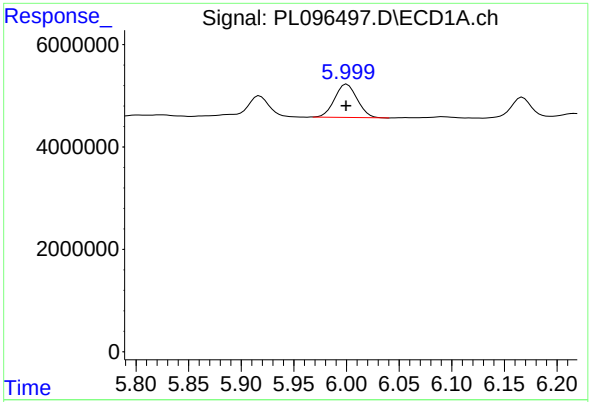
#10 gamma-Chlordane

R.T.: 5.918 min
Delta R.T.: -0.001 min
Response: 6071535
Conc: 1.37 ng/ml



#10 gamma-Chlordane

R.T.: 5.050 min
Delta R.T.: -0.004 min
Response: 4354505
Conc: 0.62 ng/ml m



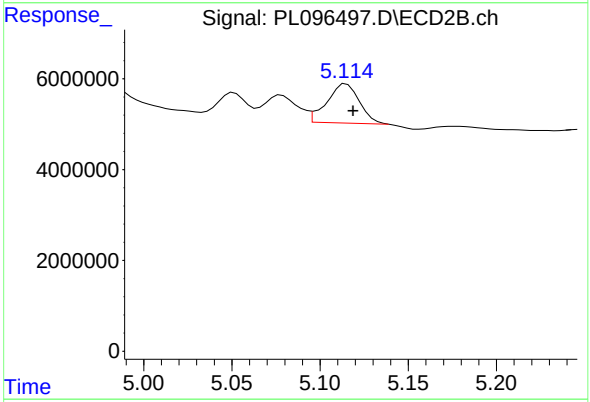
#11 alpha-Chlordane

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 9764946
Conc: 2.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-34-071725

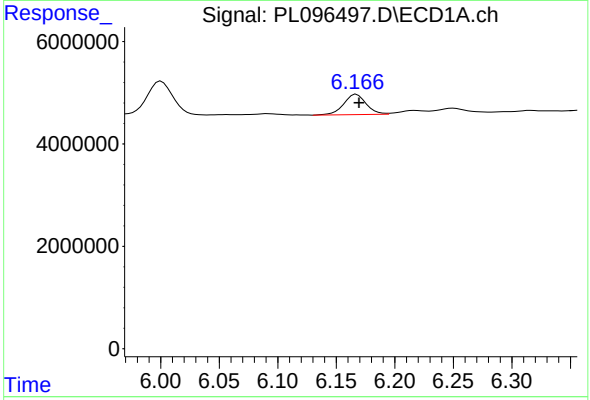
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



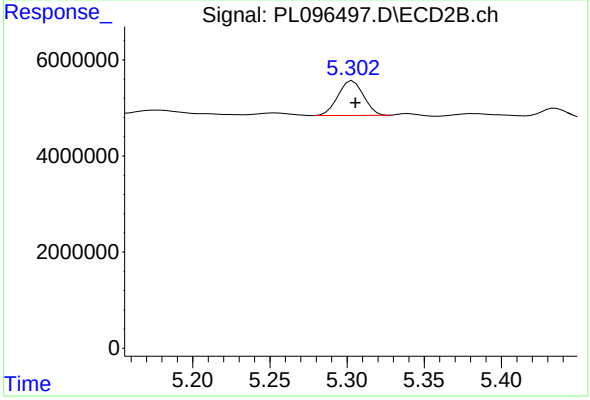
#11 alpha-Chlordane

R.T.: 5.114 min
Delta R.T.: -0.005 min
Response: 10830620
Conc: 1.44 ng/ml m



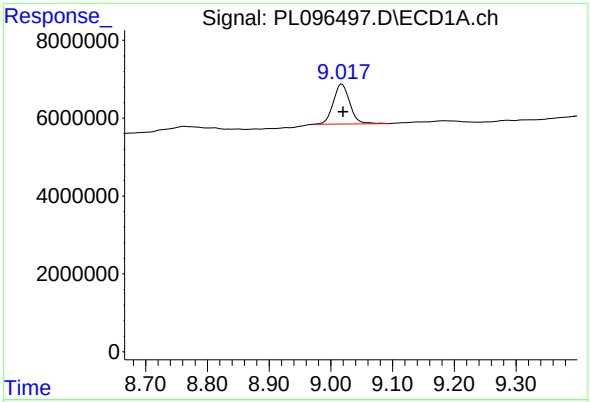
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: -0.004 min
Response: 5319473
Conc: 1.43 ng/ml m



#12 4,4'-DDE

R.T.: 5.304 min
Delta R.T.: -0.002 min
Response: 8296897
Conc: 1.28 ng/ml



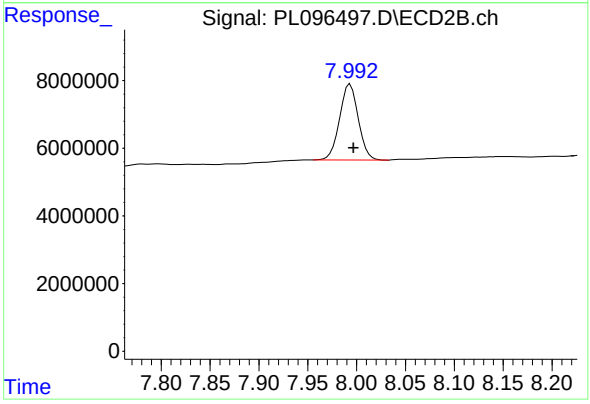
#28 Decachlorobiphenyl

R.T.: 9.018 min
Delta R.T.: -0.002 min
Response: 19166431
Conc: 6.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-34-071725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 29921192
Conc: 6.00 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-34-071725RE	SDG No.:	Q2638
Lab Sample ID:	Q2638-07RE	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	68.5 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
PL096510.D	1	07/21/25 08:30	07/22/25 13:21	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00048	U	0.00019	0.00048	0.0025	mg/Kg
319-85-7	beta-BHC	0.0012	U	0.00026	0.0012	0.0025	mg/Kg
319-86-8	delta-BHC	0.0012	U	0.00057	0.0012	0.0025	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00048	U	0.00020	0.00048	0.0025	mg/Kg
76-44-8	Heptachlor	0.00048	U	0.00017	0.00048	0.0025	mg/Kg
309-00-2	Aldrin	0.00048	U	0.00017	0.00048	0.0025	mg/Kg
1024-57-3	Heptachlor epoxide	0.0012	U	0.00028	0.0012	0.0025	mg/Kg
959-98-8	Endosulfan I	0.00048	U	0.00020	0.00048	0.0025	mg/Kg
60-57-1	Dieldrin	0.00048	U	0.00020	0.00048	0.0025	mg/Kg
72-55-9	4,4-DDE	0.00067	J	0.00020	0.00048	0.0025	mg/Kg
72-20-8	Endrin	0.00048	U	0.00020	0.00048	0.0025	mg/Kg
33213-65-9	Endosulfan II	0.0012	U	0.00042	0.0012	0.0025	mg/Kg
72-54-8	4,4-DDD	0.00048	U	0.00022	0.00048	0.0025	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00048	U	0.00019	0.00048	0.0025	mg/Kg
50-29-3	4,4-DDT	0.00048	U	0.00020	0.00048	0.0025	mg/Kg
72-43-5	Methoxychlor	0.0012	U	0.00054	0.0012	0.0025	mg/Kg
53494-70-5	Endrin ketone	0.0012	U	0.00028	0.0012	0.0025	mg/Kg
7421-93-4	Endrin aldehyde	0.0012	U	0.00054	0.0012	0.0025	mg/Kg
5103-71-9	alpha-Chlordane	0.0011	J	0.00017	0.00048	0.0025	mg/Kg
5103-74-2	gamma-Chlordane	0.00057	JP	0.00022	0.00048	0.0025	mg/Kg
8001-35-2	Toxaphene	0.025	U	0.0079	0.025	0.048	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	7.16	*	55 - 130		36%	SPK: 20
877-09-8	Tetrachloro-m-xylene	10.3		42 - 129		52%	SPK: 20

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

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-34-071725RE	SDG No.:	Q2638
Lab Sample ID:	Q2638-07RE	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	68.5 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
PL096510.D	1	07/21/25 08:30	07/22/25 13:21	PB168928

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
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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\PL072225\
Data File : PL096510.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 13:21
Operator : AR\AJ
Sample : Q2638-07RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-34-071725RE

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:47:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.827	35178238	59705515	9.641	10.345
28)	SA Decachlor...	9.016	7.992	20146974	34275936	7.162	6.874
	Target Compounds						
10)	B gamma-Chl...	5.917	5.049	5215824	4282778	1.179	0.610m#
11)	B alpha-Chl...	6.000	5.114	9784921	12036779	2.235	1.601 #
12)	B 4,4'-DDE	6.166	5.303	5122042	8262913	1.382	1.278

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

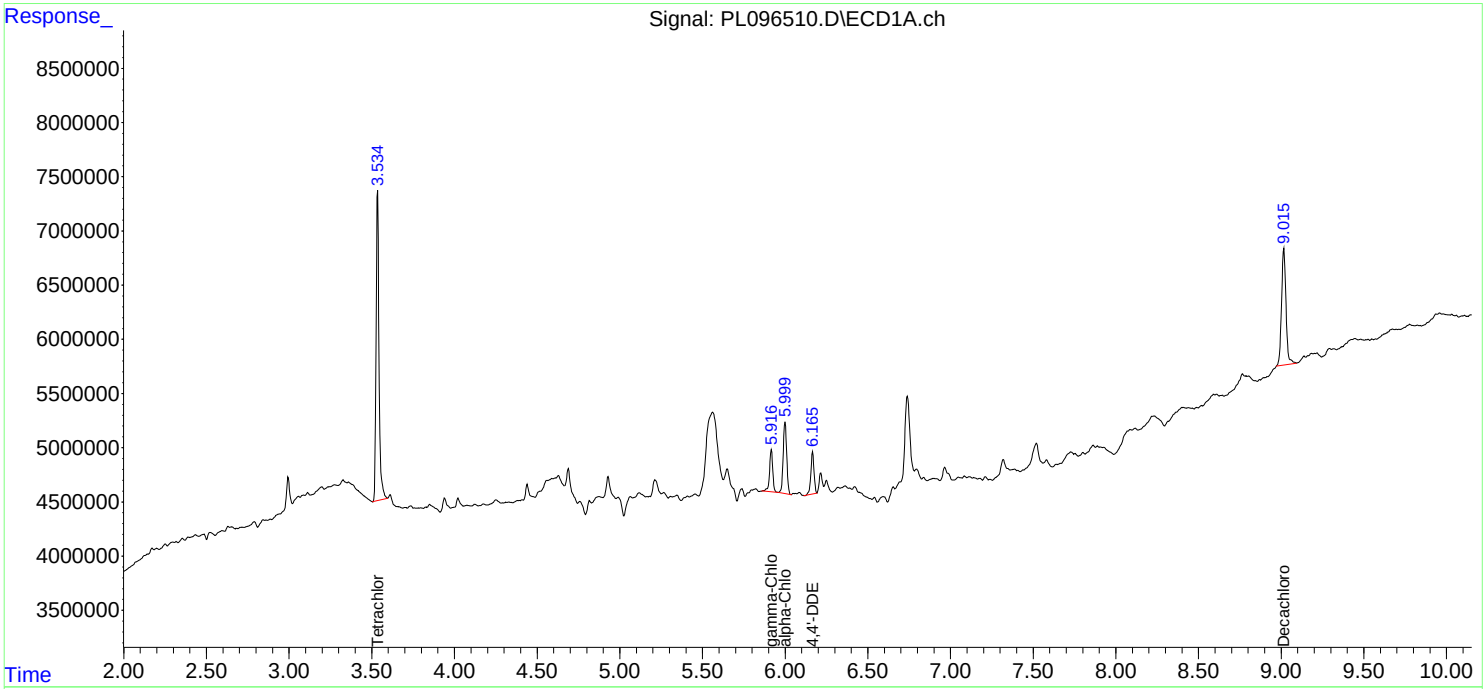
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096510.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 13:21
Operator : AR\AJ
Sample : Q2638-07RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

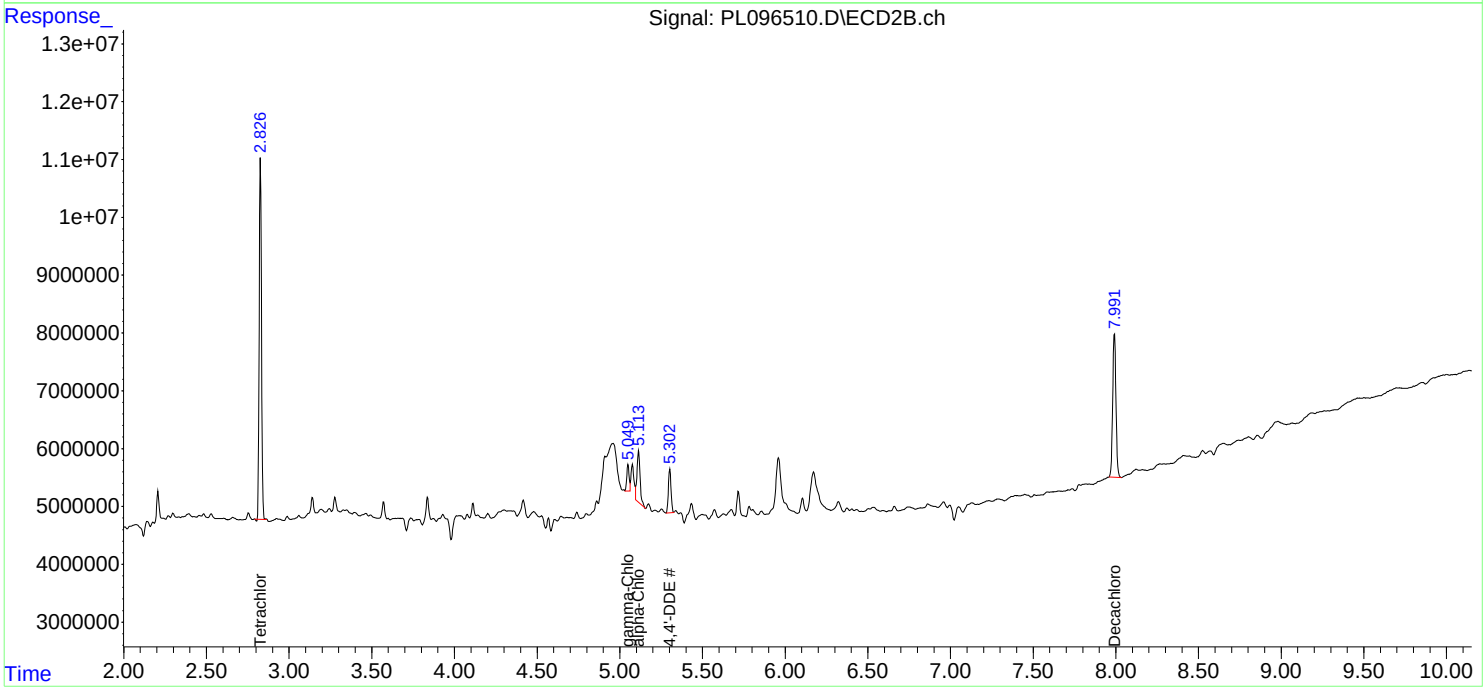
Instrument :
ECD_L
ClientSampleId :
OU4-TS-34-071725RE

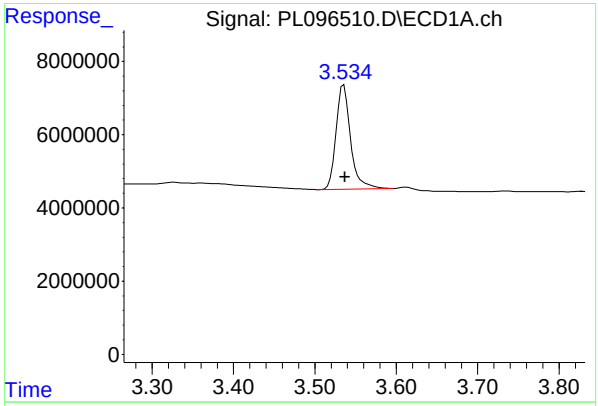
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:47:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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







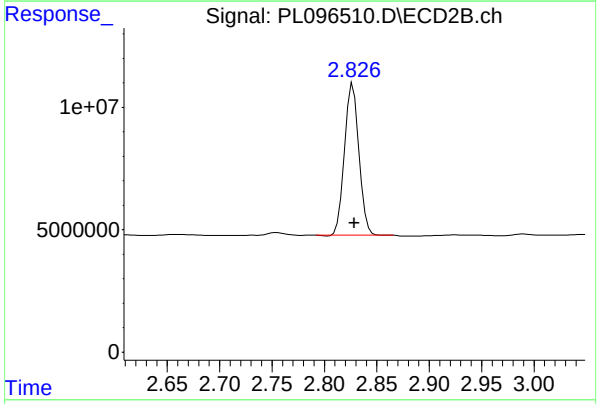
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 35178238
Conc: 9.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-34-071725RE

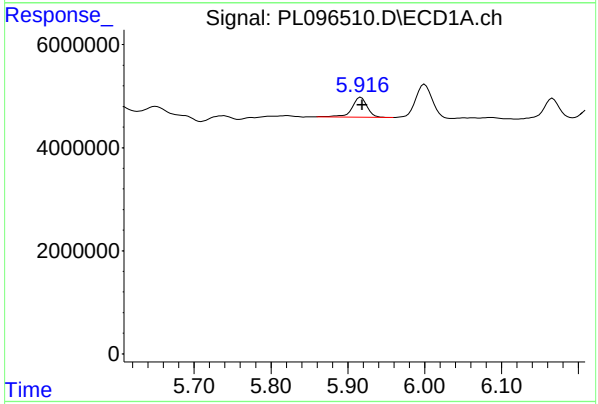
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



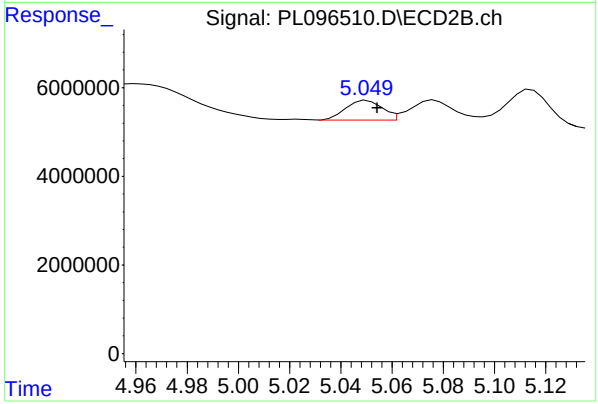
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.001 min
Response: 59705515
Conc: 10.35 ng/ml



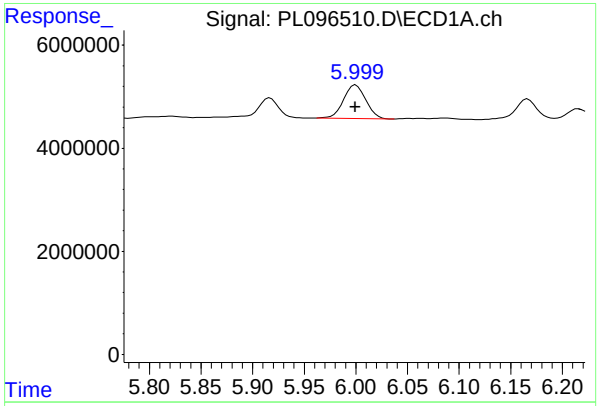
#10 gamma-Chlordane

R.T.: 5.917 min
Delta R.T.: -0.002 min
Response: 5215824
Conc: 1.18 ng/ml



#10 gamma-Chlordane

R.T.: 5.049 min
Delta R.T.: -0.005 min
Response: 4282778
Conc: 0.61 ng/ml m



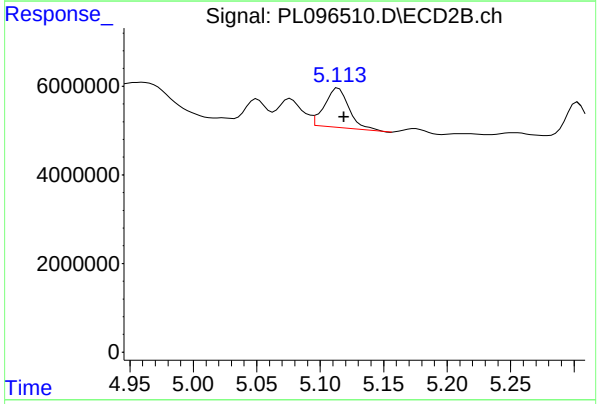
#11 alpha-Chlordane

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 9784921
Conc: 2.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-34-071725RE

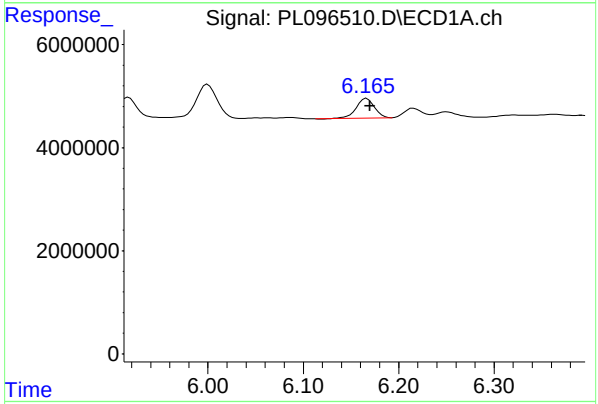
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



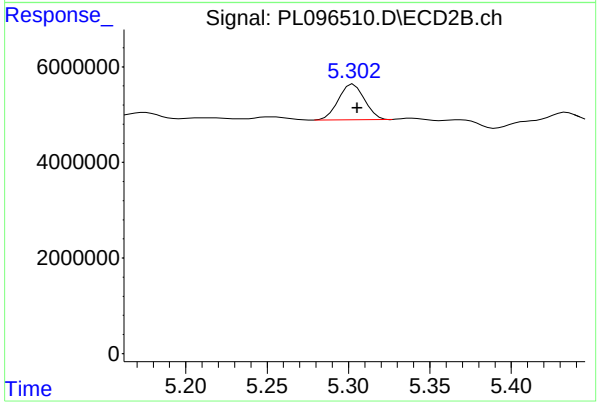
#11 alpha-Chlordane

R.T.: 5.114 min
Delta R.T.: -0.004 min
Response: 12036779
Conc: 1.60 ng/ml



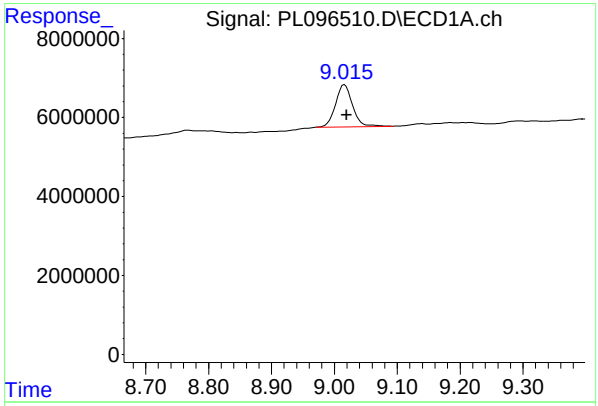
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: -0.003 min
Response: 5122042
Conc: 1.38 ng/ml



#12 4,4'-DDE

R.T.: 5.303 min
Delta R.T.: -0.003 min
Response: 8262913
Conc: 1.28 ng/ml



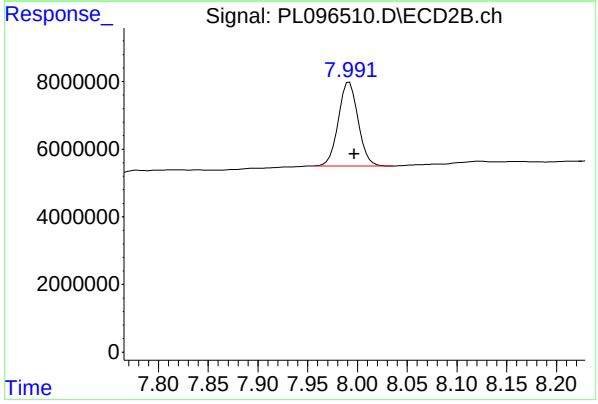
#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: -0.004 min
Response: 20146974
Conc: 7.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-34-071725RE

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: -0.005 min
Response: 34275936
Conc: 6.87 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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-35-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	82.4 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
PL096498.D	1	07/21/25 08:30	07/21/25 17:47	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00040	U	0.00016	0.00040	0.0021	mg/Kg
319-85-7	beta-BHC	0.0010	U	0.00022	0.0010	0.0021	mg/Kg
319-86-8	delta-BHC	0.0010	U	0.00047	0.0010	0.0021	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00040	U	0.00017	0.00040	0.0021	mg/Kg
76-44-8	Heptachlor	0.00040	U	0.00015	0.00040	0.0021	mg/Kg
309-00-2	Aldrin	0.00040	U	0.00015	0.00040	0.0021	mg/Kg
1024-57-3	Heptachlor epoxide	0.0010	U	0.00023	0.0010	0.0021	mg/Kg
959-98-8	Endosulfan I	0.00040	U	0.00017	0.00040	0.0021	mg/Kg
60-57-1	Dieldrin	0.0018	JP	0.00017	0.00040	0.0021	mg/Kg
72-55-9	4,4-DDE	0.00059	J	0.00017	0.00040	0.0021	mg/Kg
72-20-8	Endrin	0.00049	JP	0.00017	0.00040	0.0021	mg/Kg
33213-65-9	Endosulfan II	0.0010	U	0.00035	0.0010	0.0021	mg/Kg
72-54-8	4,4-DDD	0.0034	P	0.00018	0.00040	0.0021	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00040	U	0.00016	0.00040	0.0021	mg/Kg
50-29-3	4,4-DDT	0.0018	J	0.00017	0.00040	0.0021	mg/Kg
72-43-5	Methoxychlor	0.0010	U	0.00045	0.0010	0.0021	mg/Kg
53494-70-5	Endrin ketone	0.0010	U	0.00023	0.0010	0.0021	mg/Kg
7421-93-4	Endrin aldehyde	0.0010	U	0.00045	0.0010	0.0021	mg/Kg
5103-71-9	alpha-Chlordane	0.00091	JP	0.00015	0.00040	0.0021	mg/Kg
5103-74-2	gamma-Chlordane	0.00071	J	0.00018	0.00040	0.0021	mg/Kg
8001-35-2	Toxaphene	0.021	U	0.0066	0.021	0.040	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	12.9		55 - 130		64%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.3		42 - 129		86%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-35-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	82.4 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
PL096498.D	1	07/21/25 08:30	07/21/25 17:47	PB168928

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\PL072125\
Data File : PL096498.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 17:47
Operator : AR\AJ
Sample : Q2638-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-35-071725

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:48:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.829	56882612	99542825	15.589m	17.248
28)	SA Decachlor...	9.019	7.994	36186339	53522692	12.864m	10.734
	Target Compounds						
10)	B gamma-Chl...	5.916	5.050	7723635	8649115	1.746m	1.232m#
11)	B alpha-Chl...	6.000	5.114	9854142	11017355	2.250m	1.465m#
12)	B 4,4'-DDE	6.171	5.305	3926844	9409962	1.059	1.456m#
13)	MA Dieldrin	6.320	5.437	3744963	31117748	0.886m	4.563 #
14)	MA Endrin	6.546	5.717	3760775	4696631	1.209m	0.770m#
16)	A 4,4'-DDD	6.675	5.856	24711612	16205928	8.487	3.160m#
17)	MA 4,4'-DDT	6.993	6.108	11002651	24995340	3.625	4.358

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

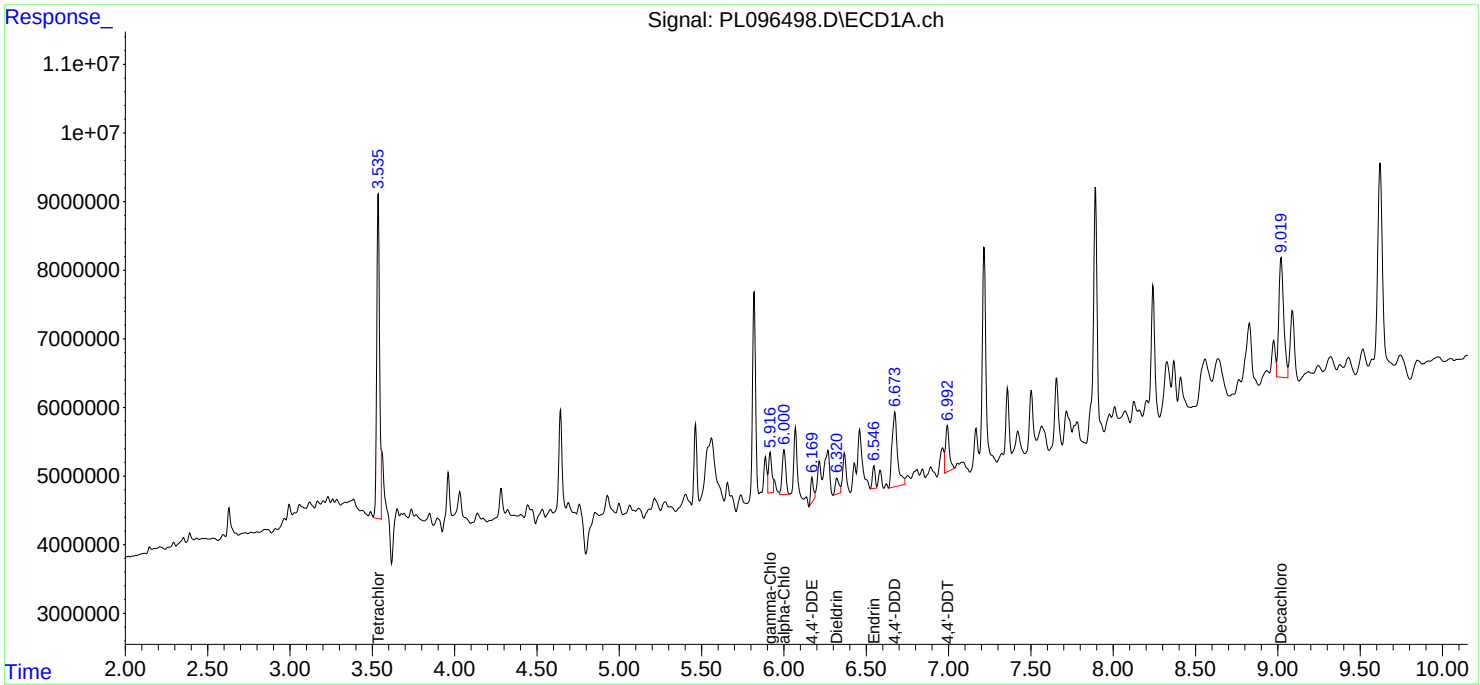
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096498.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 17:47
Operator : AR\AJ
Sample : Q2638-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

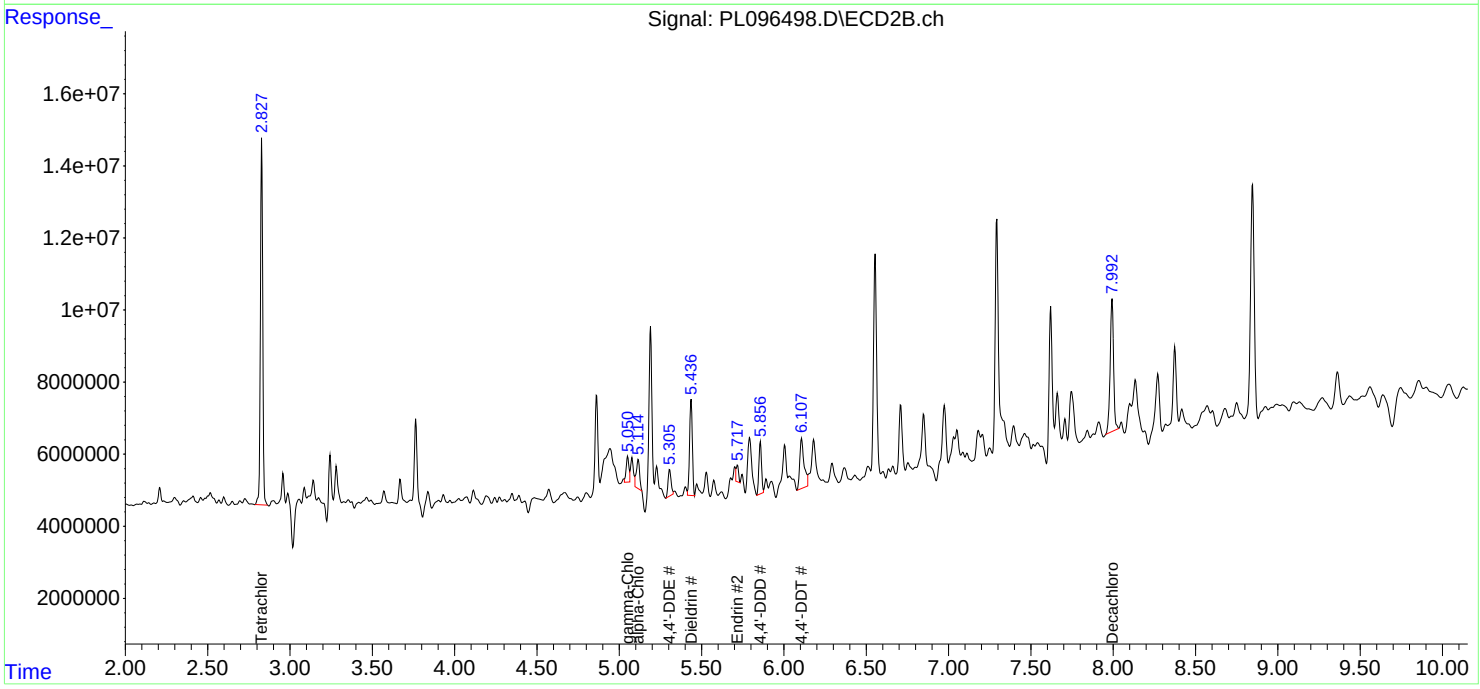
Instrument :
ECD_L
ClientSampleId :
OU4-TS-35-071725

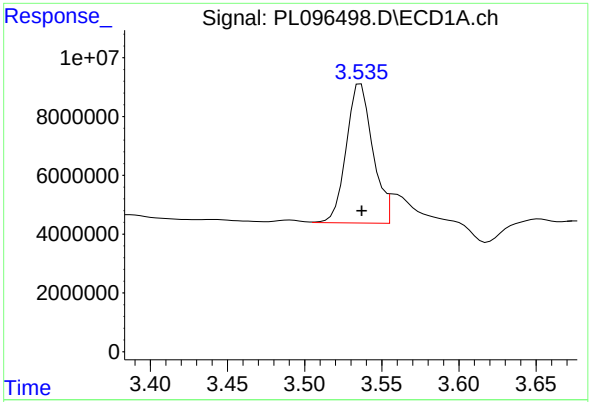
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:48:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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







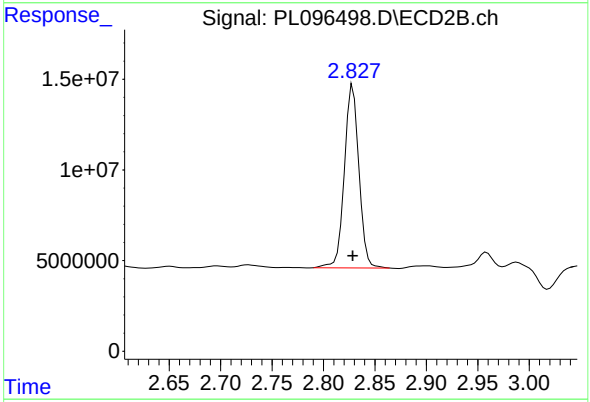
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 56882612
Conc: 15.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-35-071725

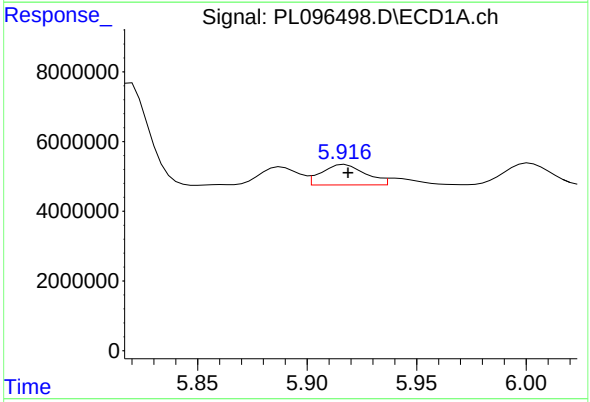
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



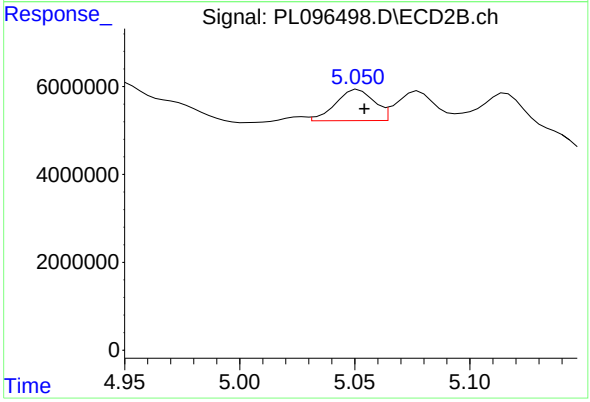
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 99542825
Conc: 17.25 ng/ml



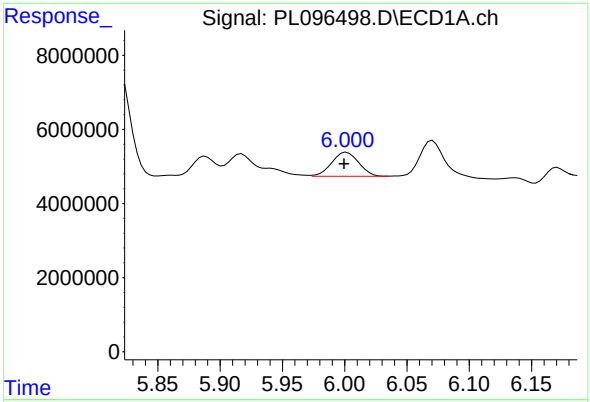
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: -0.003 min
Response: 7723635
Conc: 1.75 ng/ml m



#10 gamma-Chlordane

R.T.: 5.050 min
Delta R.T.: -0.004 min
Response: 8649115
Conc: 1.23 ng/ml m



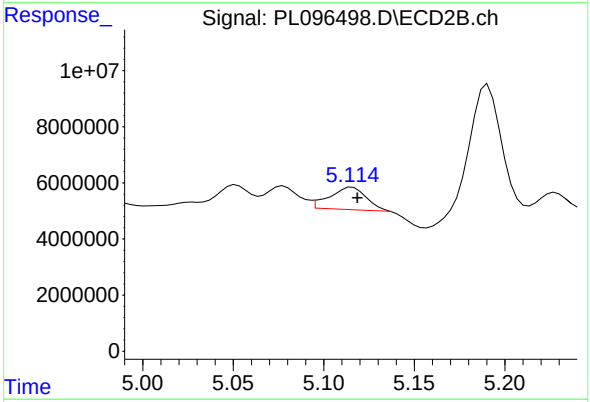
#11 alpha-Chlordane

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 9854142
Conc: 2.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-35-071725

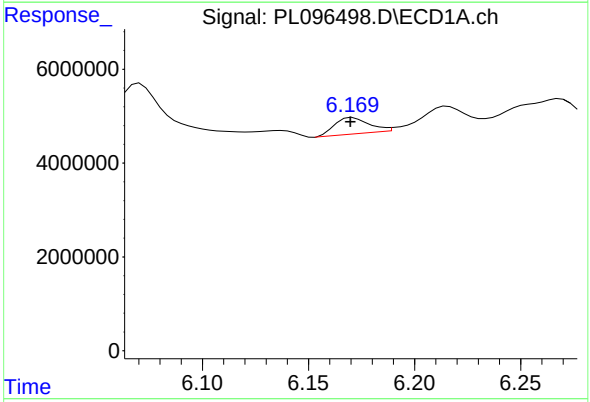
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



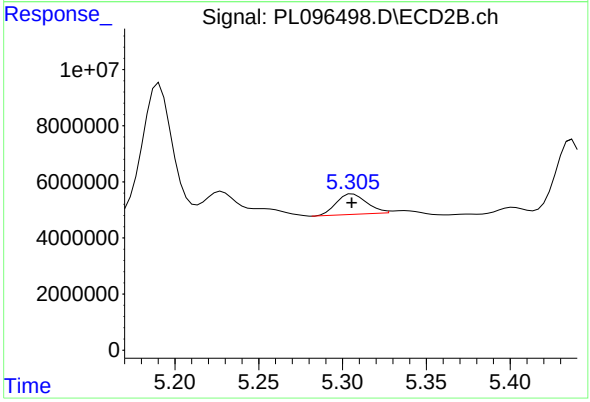
#11 alpha-Chlordane

R.T.: 5.114 min
Delta R.T.: -0.004 min
Response: 11017355
Conc: 1.47 ng/ml m



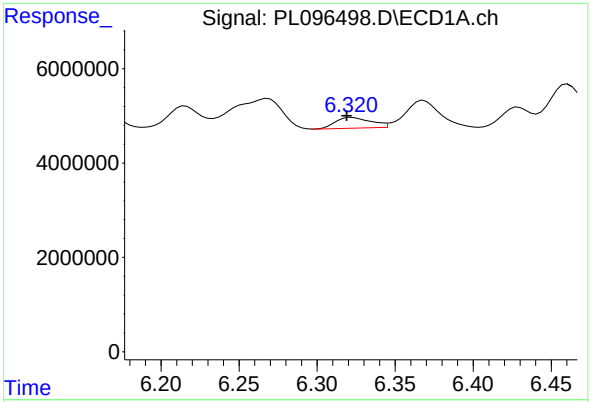
#12 4,4'-DDE

R.T.: 6.171 min
Delta R.T.: 0.001 min
Response: 3926844
Conc: 1.06 ng/ml



#12 4,4'-DDE

R.T.: 5.305 min
Delta R.T.: 0.000 min
Response: 9409962
Conc: 1.46 ng/ml m



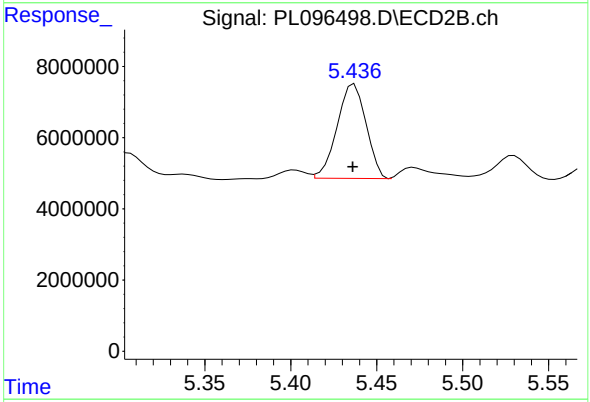
#13 Dieldrin

R.T.: 6.320 min
Delta R.T.: 0.000 min
Response: 3744963
Conc: 0.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-35-071725

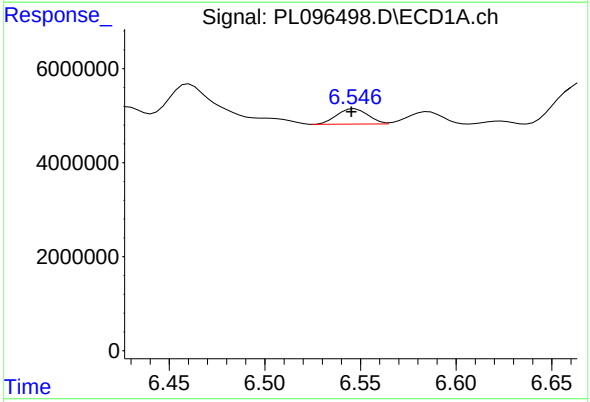
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



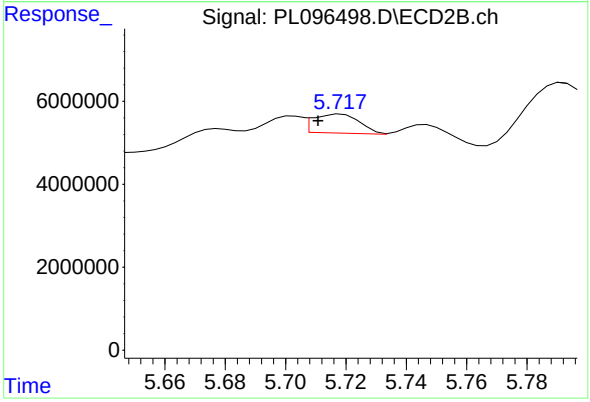
#13 Dieldrin

R.T.: 5.437 min
Delta R.T.: 0.000 min
Response: 31117748
Conc: 4.56 ng/ml



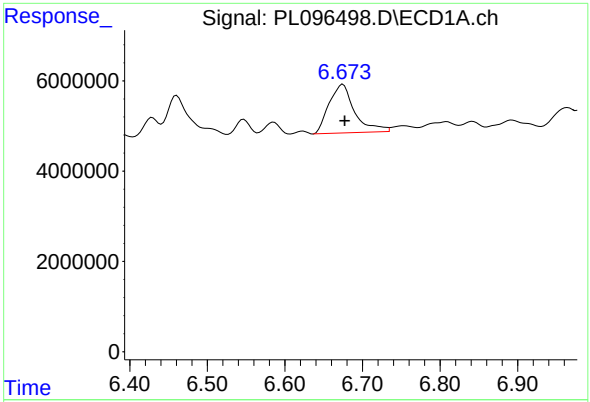
#14 Endrin

R.T.: 6.546 min
Delta R.T.: 0.000 min
Response: 3760775
Conc: 1.21 ng/ml m



#14 Endrin

R.T.: 5.717 min
Delta R.T.: 0.006 min
Response: 4696631
Conc: 0.77 ng/ml m



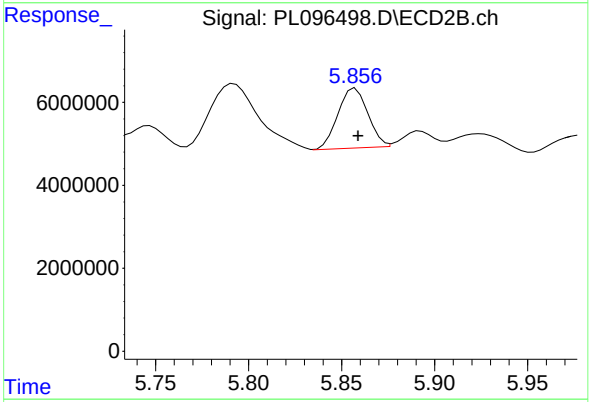
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: -0.002 min
Response: 24711612
Conc: 8.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-35-071725

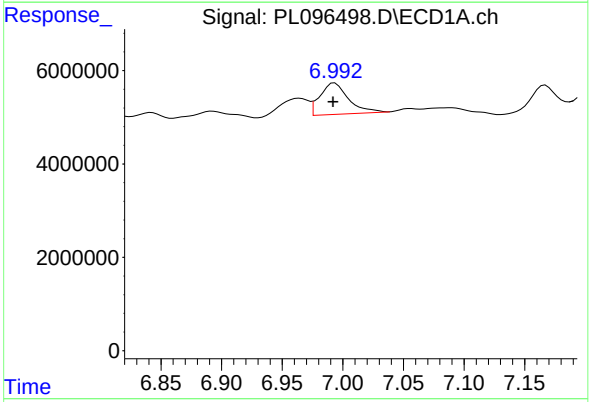
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



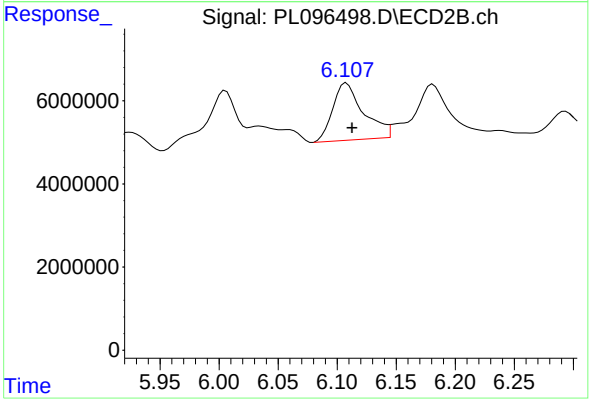
#16 4,4'-DDD

R.T.: 5.856 min
Delta R.T.: -0.003 min
Response: 16205928
Conc: 3.16 ng/ml m



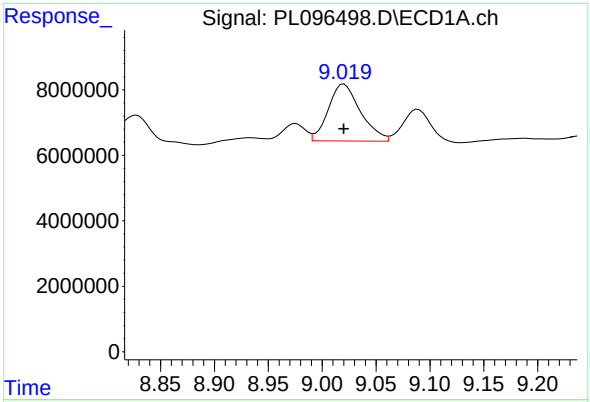
#17 4,4'-DDT

R.T.: 6.993 min
Delta R.T.: 0.002 min
Response: 11002651
Conc: 3.63 ng/ml



#17 4,4'-DDT

R.T.: 6.108 min
Delta R.T.: -0.005 min
Response: 24995340
Conc: 4.36 ng/ml



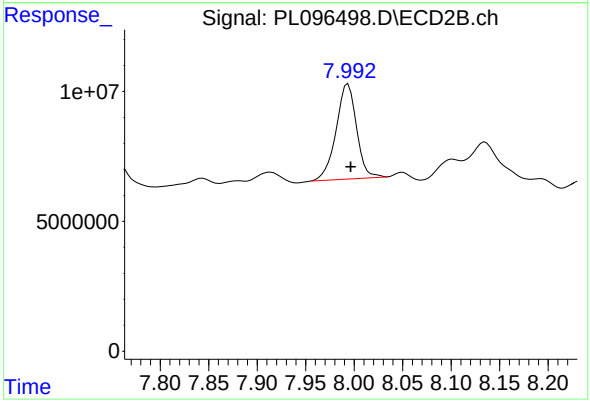
#28 Decachlorobiphenyl

R.T.: 9.019 min
Delta R.T.: -0.001 min
Response: 36186339
Conc: 12.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-35-071725

Manual Integrations APPROVED

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Supervised By :mohammad ahmed 07/23/2025



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 53522692
Conc: 10.73 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-36-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-11	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	81.9 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
PL096499.D	1	07/21/25 08:30	07/21/25 18:01	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00040	U	0.00016	0.00040	0.0021	mg/Kg
319-85-7	beta-BHC	0.0010	U	0.00022	0.0010	0.0021	mg/Kg
319-86-8	delta-BHC	0.0010	U	0.00048	0.0010	0.0021	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00040	U	0.00017	0.00040	0.0021	mg/Kg
76-44-8	Heptachlor	0.00040	U	0.00015	0.00040	0.0021	mg/Kg
309-00-2	Aldrin	0.00040	U	0.00015	0.00040	0.0021	mg/Kg
1024-57-3	Heptachlor epoxide	0.0010	U	0.00023	0.0010	0.0021	mg/Kg
959-98-8	Endosulfan I	0.00040	U	0.00017	0.00040	0.0021	mg/Kg
60-57-1	Dieldrin	0.0016	JP	0.00017	0.00040	0.0021	mg/Kg
72-55-9	4,4-DDE	0.00054	J	0.00017	0.00040	0.0021	mg/Kg
72-20-8	Endrin	0.00041	J	0.00017	0.00040	0.0021	mg/Kg
33213-65-9	Endosulfan II	0.0010	U	0.00035	0.0010	0.0021	mg/Kg
72-54-8	4,4-DDD	0.0031	P	0.00018	0.00040	0.0021	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00040	U	0.00016	0.00040	0.0021	mg/Kg
50-29-3	4,4-DDT	0.0014	J	0.00017	0.00040	0.0021	mg/Kg
72-43-5	Methoxychlor	0.0010	U	0.00045	0.0010	0.0021	mg/Kg
53494-70-5	Endrin ketone	0.0010	U	0.00023	0.0010	0.0021	mg/Kg
7421-93-4	Endrin aldehyde	0.0010	U	0.00045	0.0010	0.0021	mg/Kg
5103-71-9	alpha-Chlordane	0.00091	JP	0.00015	0.00040	0.0021	mg/Kg
5103-74-2	gamma-Chlordane	0.00044	J	0.00018	0.00040	0.0021	mg/Kg
8001-35-2	Toxaphene	0.021	U	0.0066	0.021	0.040	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	13.2		55 - 130		66%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.6		42 - 129		83%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-36-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-11	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	81.9 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
PL096499.D	1	07/21/25 08:30	07/21/25 18:01	PB168928

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\PL072125\
Data File : PL096499.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 18:01
Operator : AR\AJ
Sample : Q2638-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-36-071725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:49:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.829	55410516	95847435	15.185m	16.608
28)	SA Decachlor...	9.019	7.993	37038637	52850551	13.167m	10.599
	Target Compounds						
10)	B gamma-Chl...	5.915	5.050	4771573	6825756	1.078m	0.972m
11)	B alpha-Chl...	6.001	5.114	9862845	8342674	2.252m	1.109m#
12)	B 4,4'-DDE	6.171	5.304	3811305	8528201	1.028	1.319m#
13)	MA Dieldrin	6.321	5.436	5914385	26174415	1.399m	3.838 #
14)	MA Endrin	6.546	5.717	3133489	5914469	1.007m	0.970m
16)	A 4,4'-DDD	6.674	5.855	21926105	16674458	7.530	3.251m#
17)	MA 4,4'-DDT	6.992	6.108	10104079	19440131	3.329	3.390

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

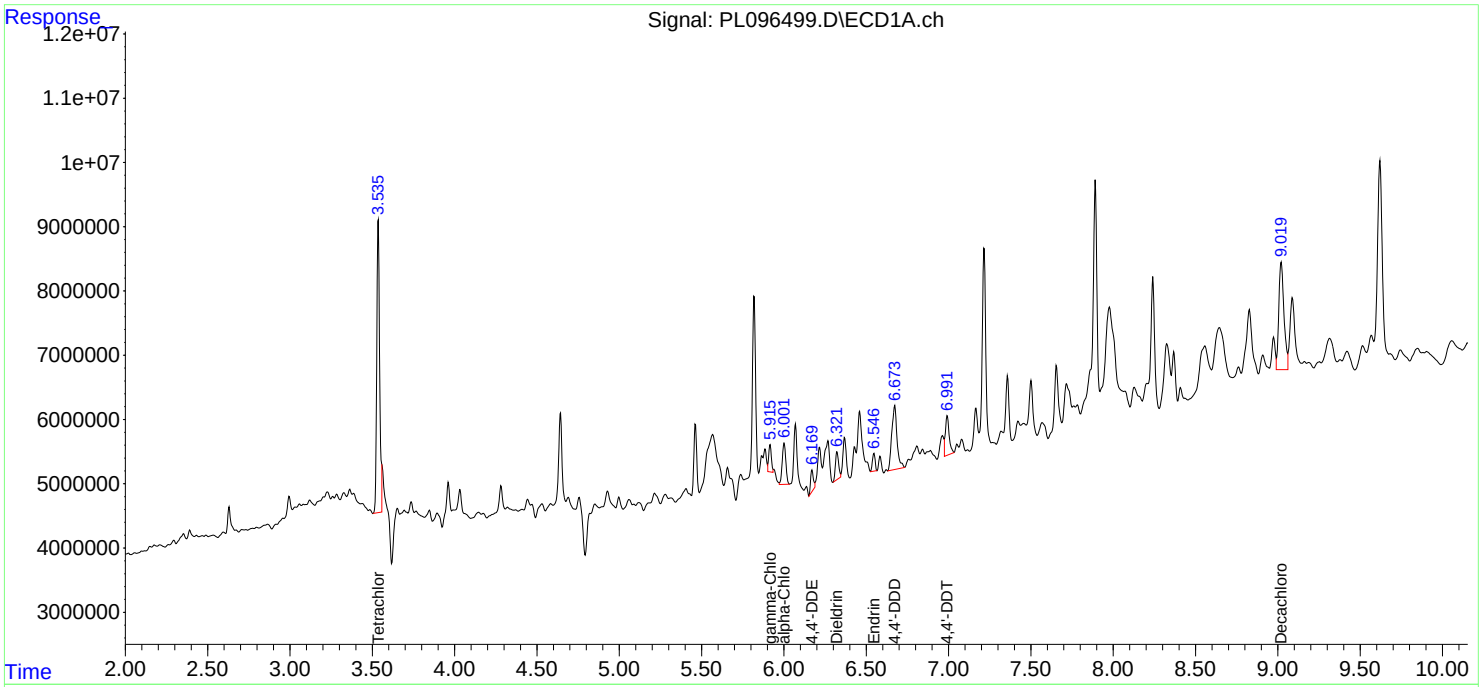
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096499.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 18:01
Operator : AR\AJ
Sample : Q2638-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

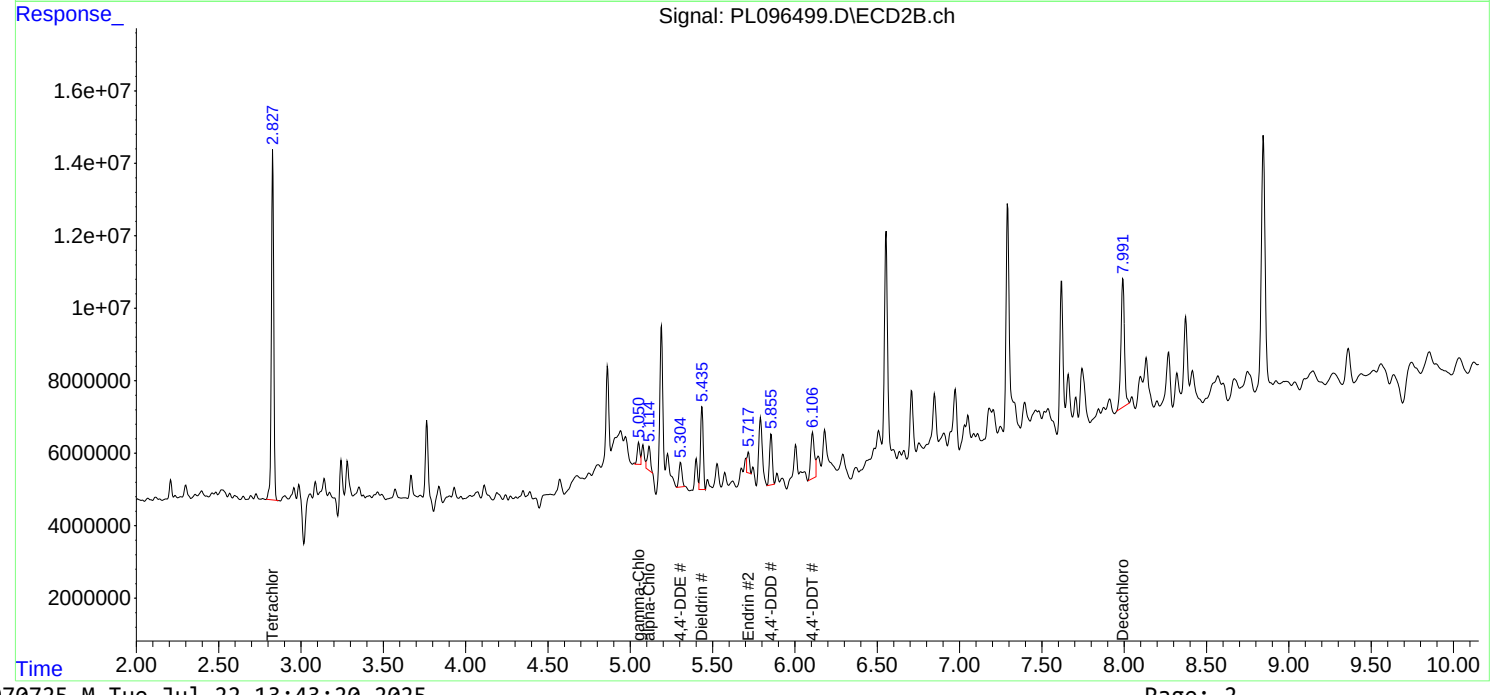
Instrument :
ECD_L
ClientSampleId :
OU4-TS-36-071725

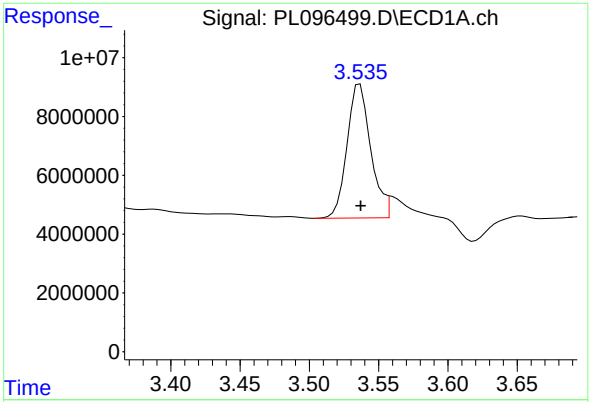
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:49:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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







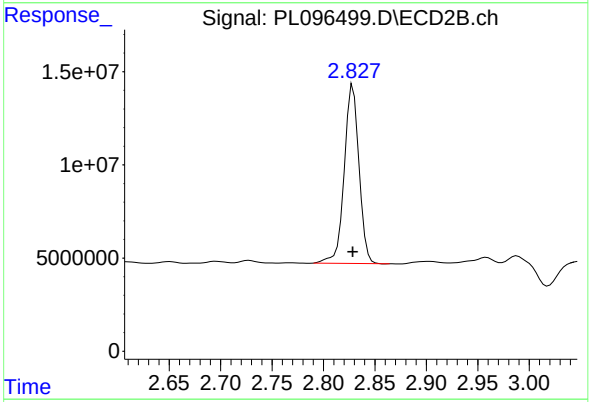
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 55410516
Conc: 15.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-36-071725

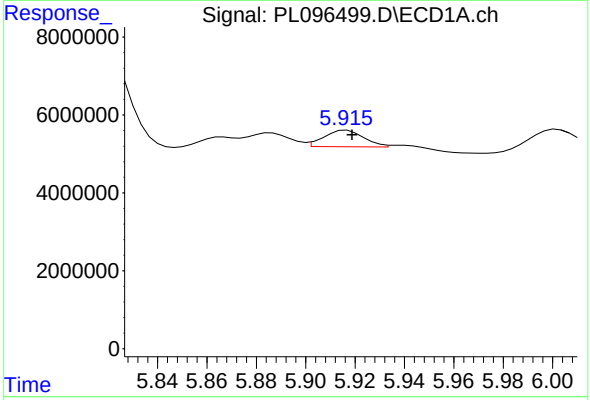
Manual Integrations APPROVED

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Supervised By :mohammad ahmed 07/23/2025



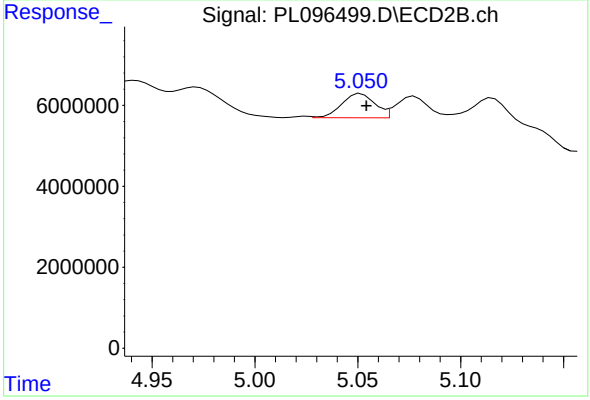
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 95847435
Conc: 16.61 ng/ml



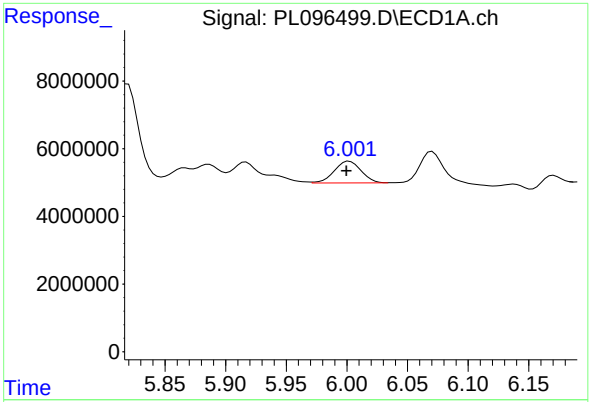
#10 gamma-Chlordane

R.T.: 5.915 min
Delta R.T.: -0.003 min
Response: 4771573
Conc: 1.08 ng/ml m



#10 gamma-Chlordane

R.T.: 5.050 min
Delta R.T.: -0.004 min
Response: 6825756
Conc: 0.97 ng/ml m



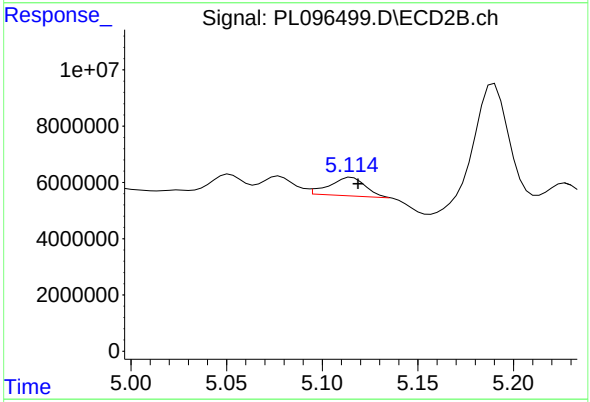
#11 alpha-Chlordane

R.T.: 6.001 min
Delta R.T.: 0.001 min
Response: 9862845
Conc: 2.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-36-071725

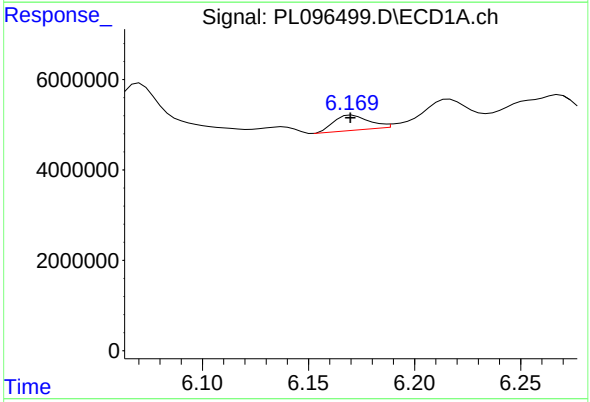
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



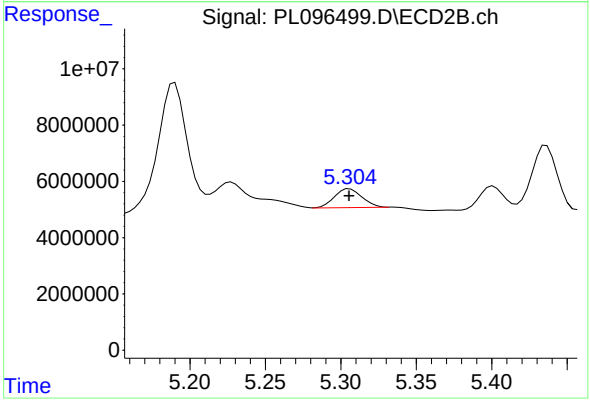
#11 alpha-Chlordane

R.T.: 5.114 min
Delta R.T.: -0.005 min
Response: 8342674
Conc: 1.11 ng/ml m



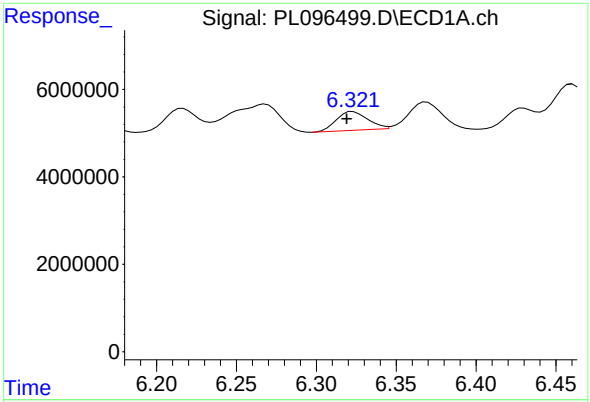
#12 4,4'-DDE

R.T.: 6.171 min
Delta R.T.: 0.001 min
Response: 3811305
Conc: 1.03 ng/ml



#12 4,4'-DDE

R.T.: 5.304 min
Delta R.T.: -0.001 min
Response: 8528201
Conc: 1.32 ng/ml m



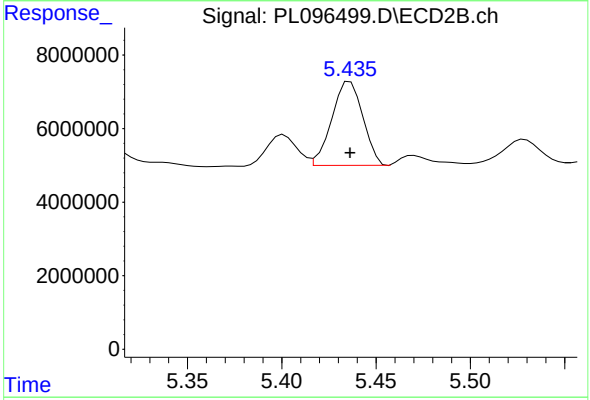
#13 Dieldrin

R.T.: 6.321 min
Delta R.T.: 0.002 min
Response: 5914385
Conc: 1.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-36-071725

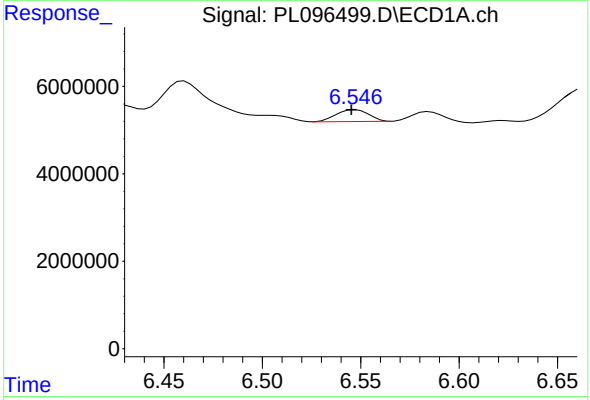
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



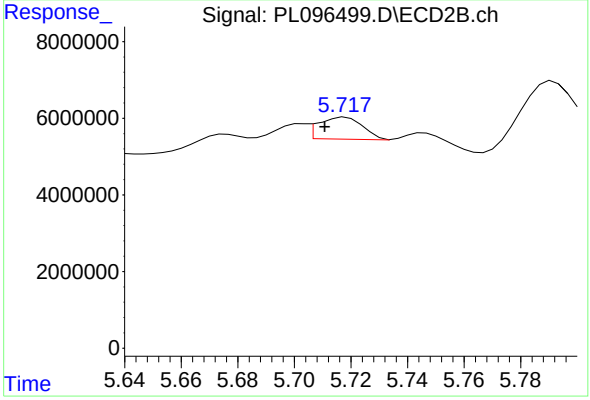
#13 Dieldrin

R.T.: 5.436 min
Delta R.T.: 0.000 min
Response: 26174415
Conc: 3.84 ng/ml



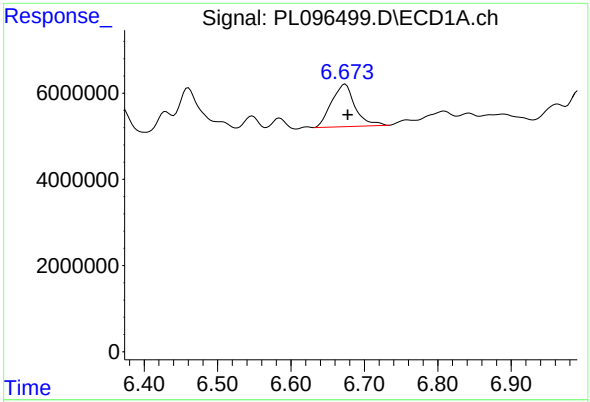
#14 Endrin

R.T.: 6.546 min
Delta R.T.: 0.000 min
Response: 3133489
Conc: 1.01 ng/ml m



#14 Endrin

R.T.: 5.717 min
Delta R.T.: 0.006 min
Response: 5914469
Conc: 0.97 ng/ml m



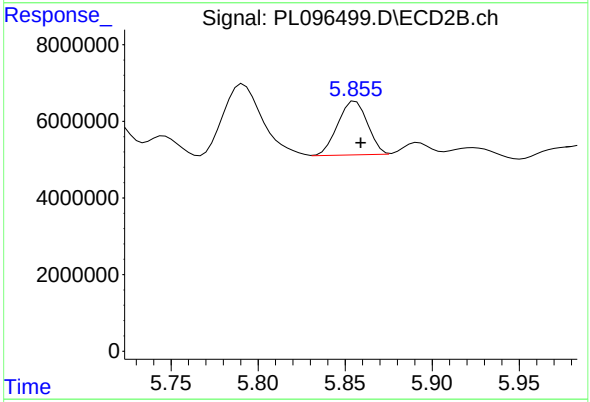
#16 4,4'-DDD

R.T.: 6.674 min
Delta R.T.: -0.003 min
Response: 21926105
Conc: 7.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-36-071725

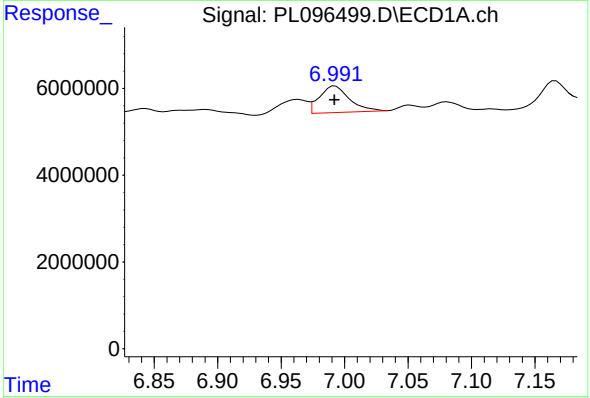
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



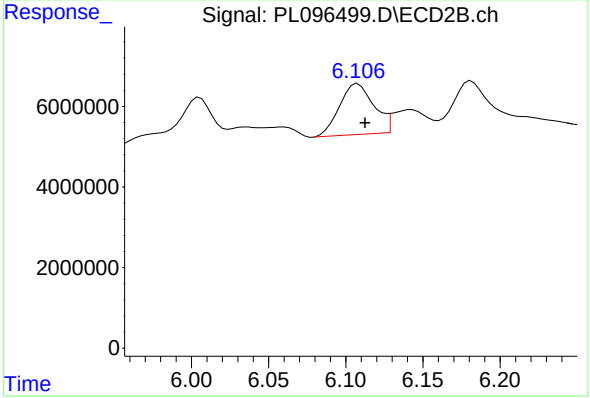
#16 4,4'-DDD

R.T.: 5.855 min
Delta R.T.: -0.004 min
Response: 16674458
Conc: 3.25 ng/ml m



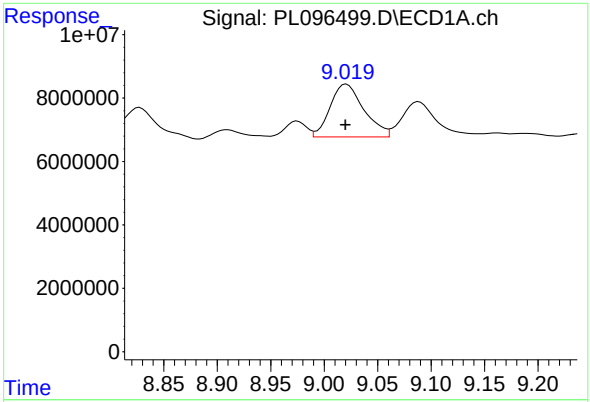
#17 4,4'-DDT

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 10104079
Conc: 3.33 ng/ml



#17 4,4'-DDT

R.T.: 6.108 min
Delta R.T.: -0.005 min
Response: 19440131
Conc: 3.39 ng/ml



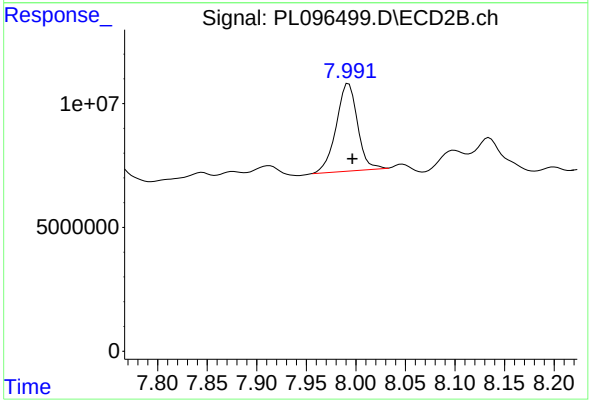
#28 Decachlorobiphenyl

R.T.: 9.019 min
Delta R.T.: 0.000 min
Response: 37038637
Conc: 13.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-36-071725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.004 min
Response: 52850551
Conc: 10.60 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-37-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-13	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	81.2 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096500.D	1	07/21/25 08:30	07/21/25 18:15	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00041	U	0.00016	0.00041	0.0021	mg/Kg
319-85-7	beta-BHC	0.0010	U	0.00022	0.0010	0.0021	mg/Kg
319-86-8	delta-BHC	0.0010	U	0.00048	0.0010	0.0021	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00041	U	0.00017	0.00041	0.0021	mg/Kg
76-44-8	Heptachlor	0.00041	U	0.00015	0.00041	0.0021	mg/Kg
309-00-2	Aldrin	0.00041	U	0.00015	0.00041	0.0021	mg/Kg
1024-57-3	Heptachlor epoxide	0.0010	U	0.00023	0.0010	0.0021	mg/Kg
959-98-8	Endosulfan I	0.00041	U	0.00017	0.00041	0.0021	mg/Kg
60-57-1	Dieldrin	0.0019	JP	0.00017	0.00041	0.0021	mg/Kg
72-55-9	4,4-DDE	0.00061	J	0.00017	0.00041	0.0021	mg/Kg
72-20-8	Endrin	0.00041	U	0.00017	0.00041	0.0021	mg/Kg
33213-65-9	Endosulfan II	0.0010	U	0.00036	0.0010	0.0021	mg/Kg
72-54-8	4,4-DDD	0.0037	P	0.00018	0.00041	0.0021	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00041	U	0.00016	0.00041	0.0021	mg/Kg
50-29-3	4,4-DDT	0.0019	J	0.00017	0.00041	0.0021	mg/Kg
72-43-5	Methoxychlor	0.0010	U	0.00046	0.0010	0.0021	mg/Kg
53494-70-5	Endrin ketone	0.0010	U	0.00023	0.0010	0.0021	mg/Kg
7421-93-4	Endrin aldehyde	0.0010	U	0.00046	0.0010	0.0021	mg/Kg
5103-71-9	alpha-Chlordane	0.00096	JP	0.00015	0.00041	0.0021	mg/Kg
5103-74-2	gamma-Chlordane	0.00069	J	0.00018	0.00041	0.0021	mg/Kg
8001-35-2	Toxaphene	0.021	U	0.0067	0.021	0.041	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	14.2		55 - 130		71%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.4		42 - 129		97%	SPK: 20

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

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-37-071725	SDG No.:	Q2638
Lab Sample ID:	Q2638-13	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	81.2 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096500.D	1	07/21/25 08:30	07/21/25 18:15	PB168928

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\PL072125\
Data File : PL096500.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 18:15
Operator : AR\AJ
Sample : Q2638-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-37-071725

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:49:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.828	65311455	112.3E6	17.899m	19.451
28)	SA Decachlor...	9.019	7.994	39964465	65449428	14.207m	13.125
	Target Compounds						
10)	B gamma-Chl...	5.916	5.050	7446598	8992027	1.683m	1.281m
11)	B alpha-Chl...	6.000	5.114	10246640	9393739	2.340m	1.249m#
12)	B 4,4'-DDE	6.171	5.304	4504494	9588377	1.215	1.483m
13)	MA Dieldrin	6.320	5.436	3478131	31113770	0.823m	4.563 #
16)	A 4,4'-DDD	6.674	5.855	26303410	18094182	9.034	3.528m#
17)	MA 4,4'-DDT	6.993	6.108	13810225	25325869	4.550	4.416

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

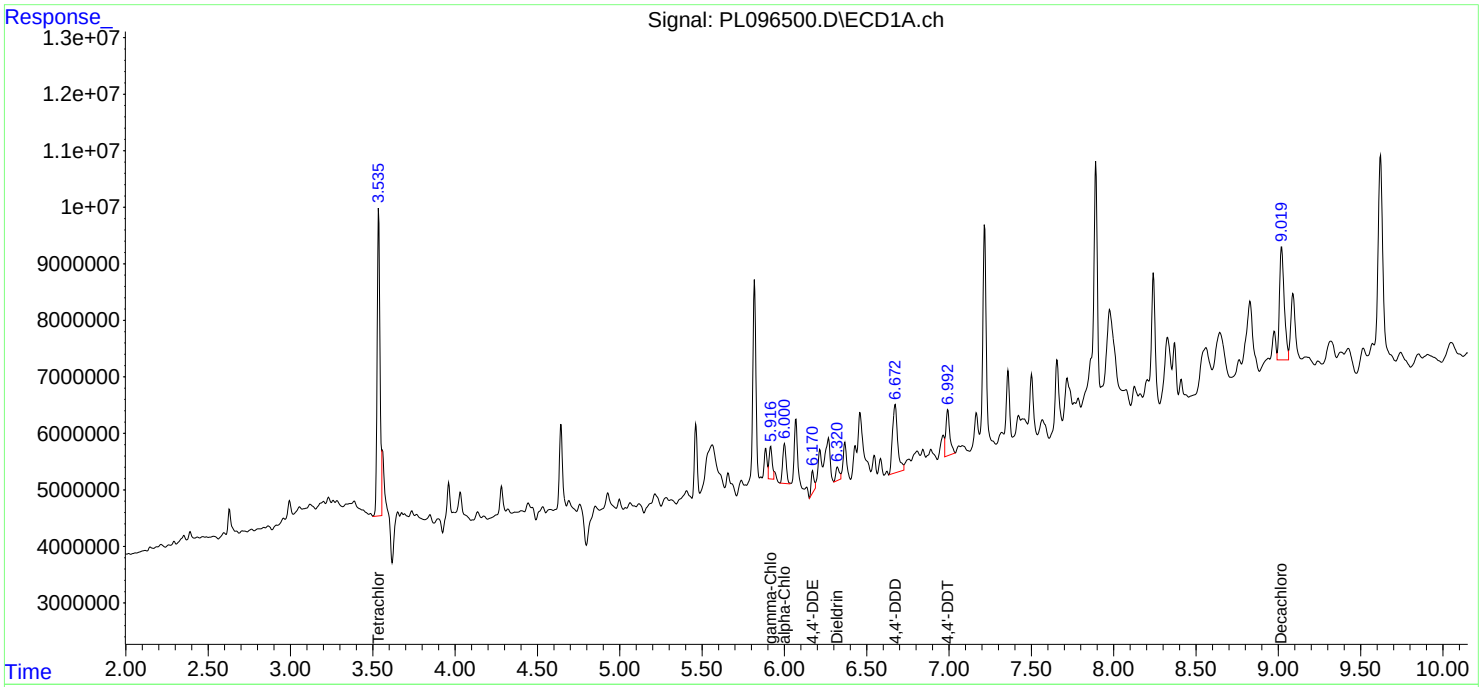
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096500.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 18:15
Operator : AR\AJ
Sample : Q2638-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

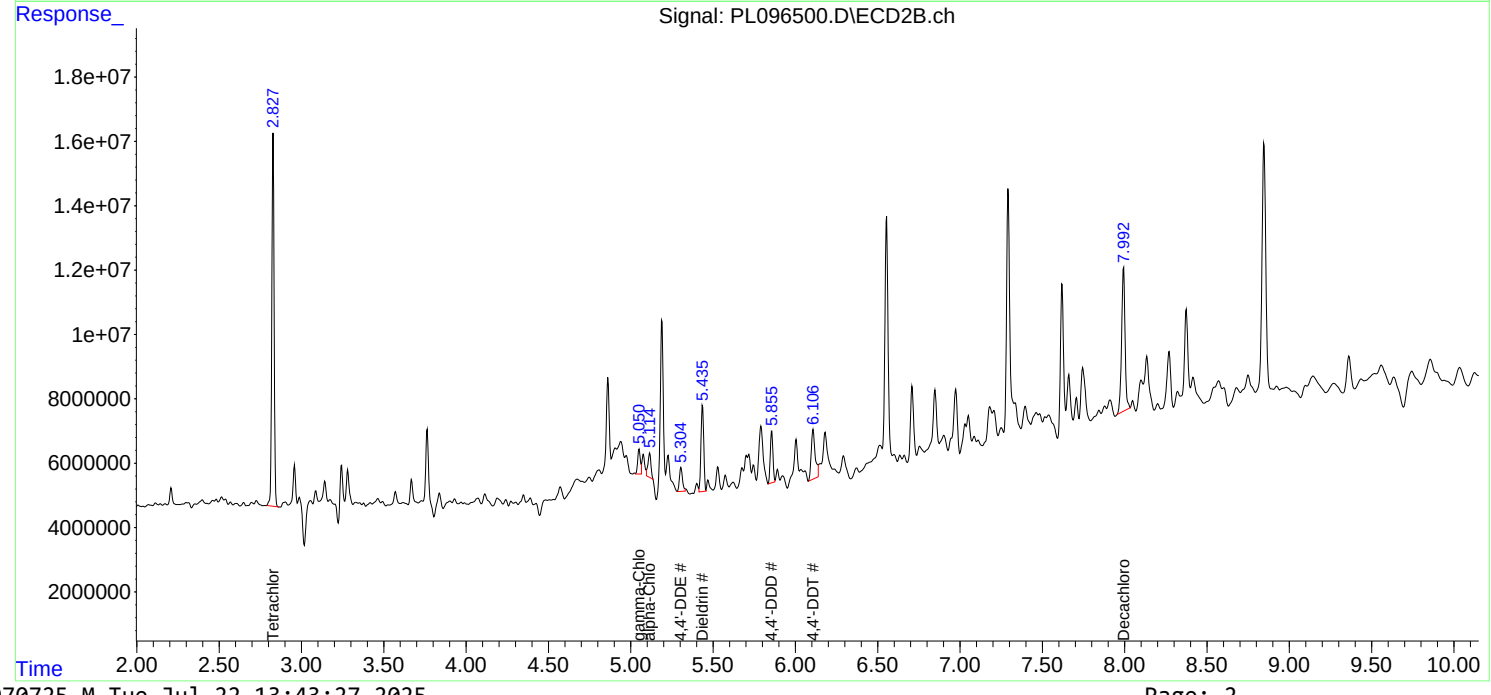
Instrument :
ECD_L
ClientSampleId :
OU4-TS-37-071725

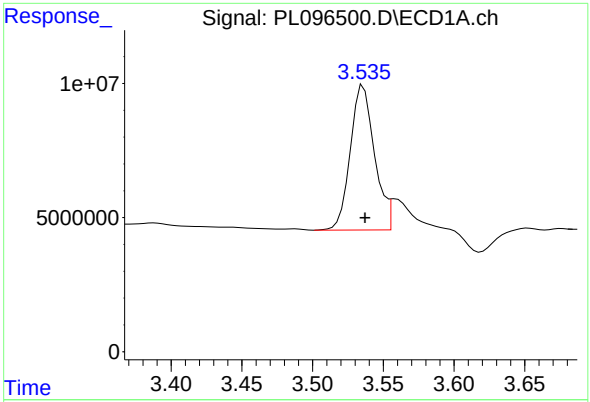
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:49:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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







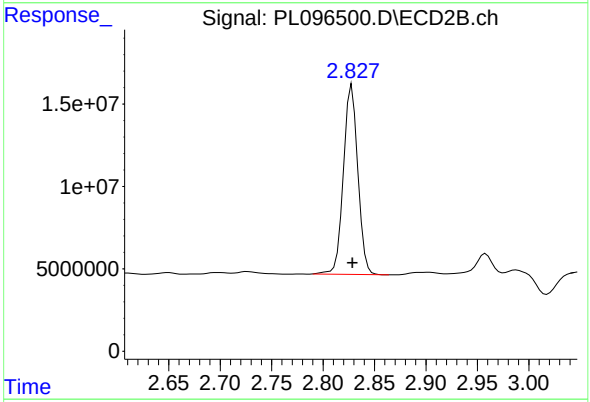
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 65311455
Conc: 17.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-37-071725

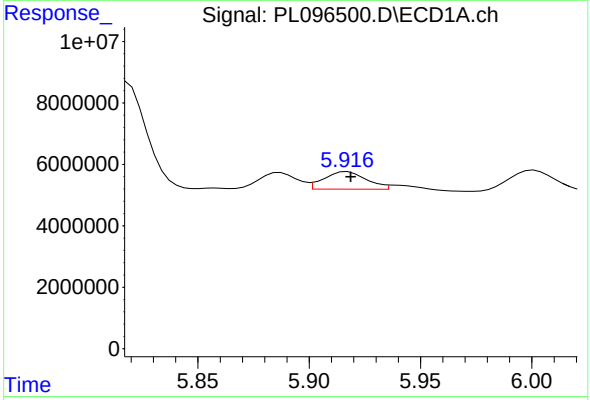
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



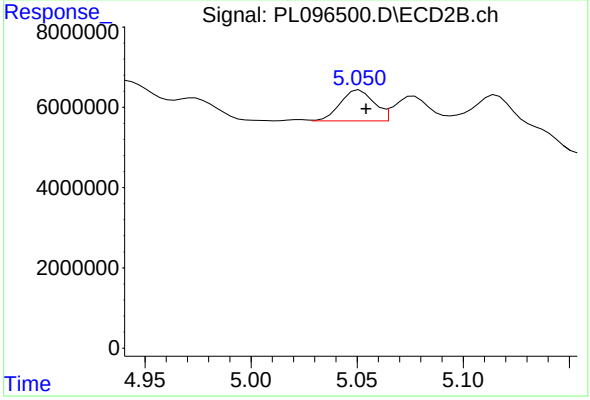
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 112256999
Conc: 19.45 ng/ml



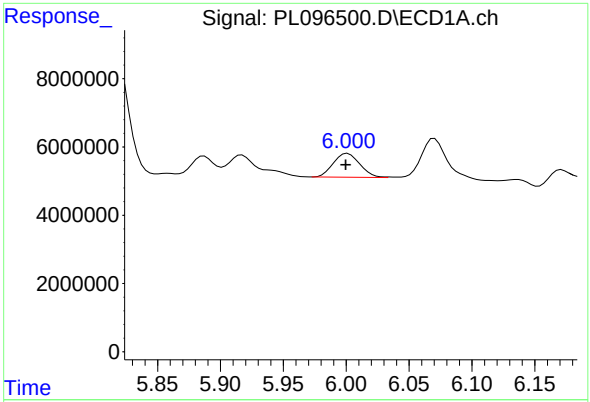
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: -0.003 min
Response: 7446598
Conc: 1.68 ng/ml m



#10 gamma-Chlordane

R.T.: 5.050 min
Delta R.T.: -0.004 min
Response: 8992027
Conc: 1.28 ng/ml m



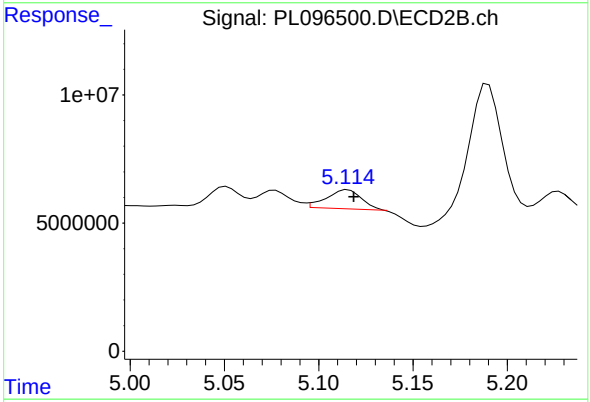
#11 alpha-Chlordane

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 10246640
Conc: 2.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-37-071725

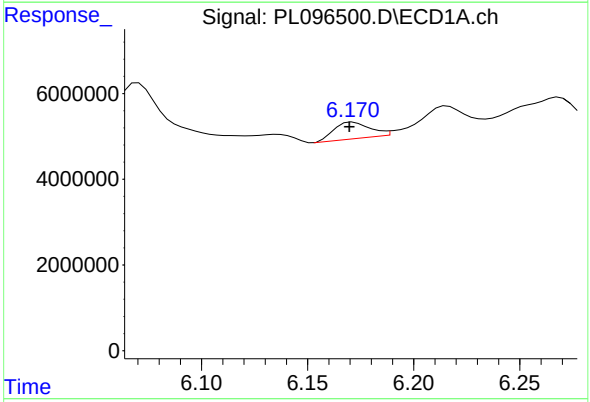
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



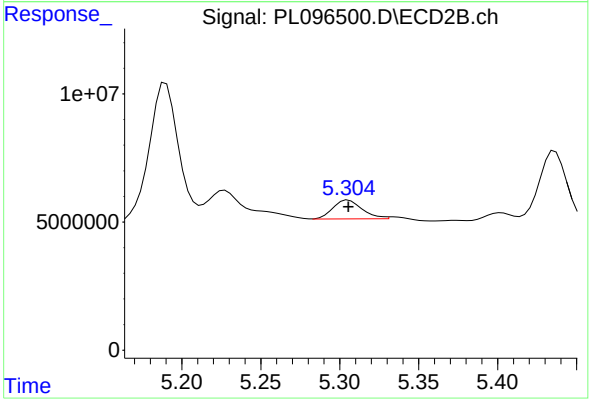
#11 alpha-Chlordane

R.T.: 5.114 min
Delta R.T.: -0.004 min
Response: 9393739
Conc: 1.25 ng/ml m



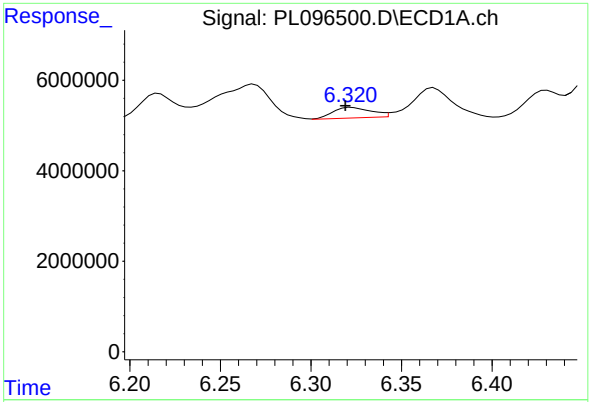
#12 4,4'-DDE

R.T.: 6.171 min
Delta R.T.: 0.002 min
Response: 4504494
Conc: 1.21 ng/ml



#12 4,4'-DDE

R.T.: 5.304 min
Delta R.T.: -0.002 min
Response: 9588377
Conc: 1.48 ng/ml m



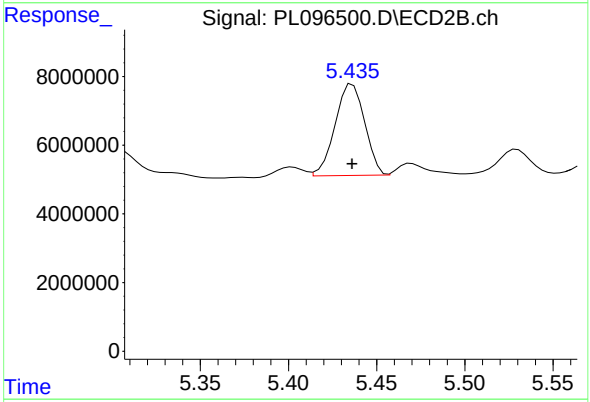
#13 Dieldrin

R.T.: 6.320 min
Delta R.T.: 0.001 min
Response: 3478131
Conc: 0.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-37-071725

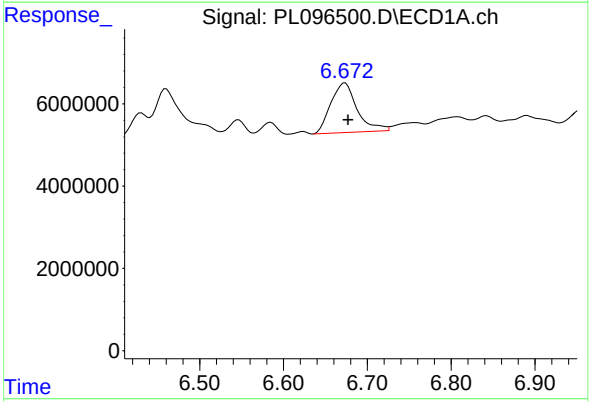
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



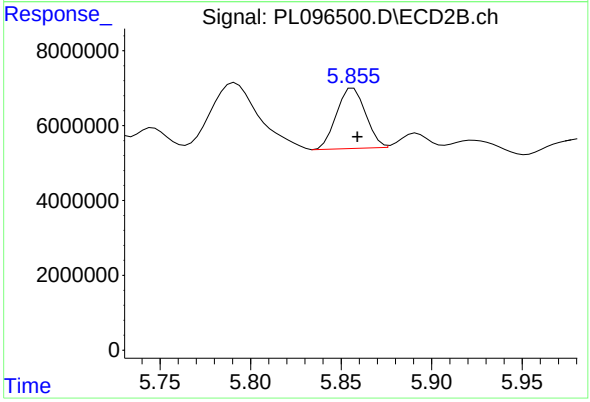
#13 Dieldrin

R.T.: 5.436 min
Delta R.T.: 0.000 min
Response: 31113770
Conc: 4.56 ng/ml



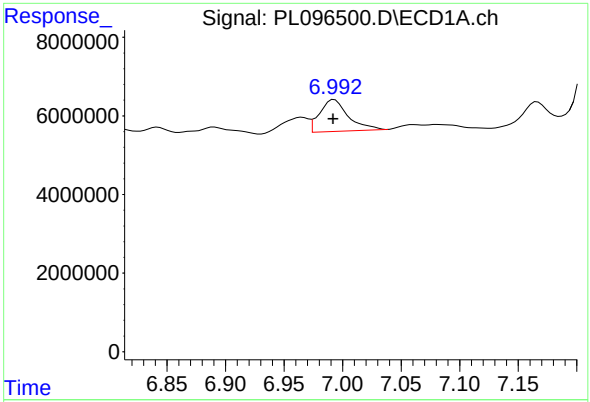
#16 4,4'-DDD

R.T.: 6.674 min
Delta R.T.: -0.004 min
Response: 26303410
Conc: 9.03 ng/ml



#16 4,4'-DDD

R.T.: 5.855 min
Delta R.T.: -0.004 min
Response: 18094182
Conc: 3.53 ng/ml m



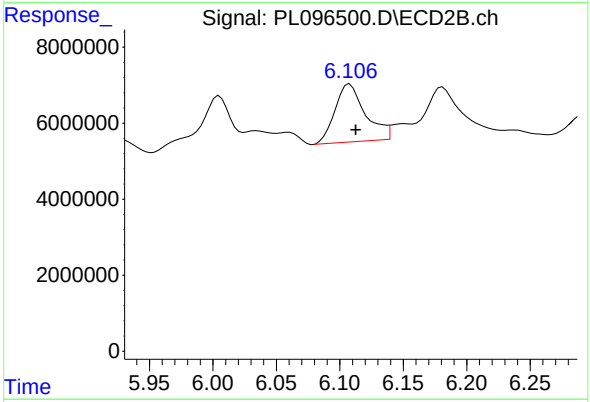
#17 4,4'-DDT

R.T.: 6.993 min
Delta R.T.: 0.001 min
Response: 13810225
Conc: 4.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-37-071725

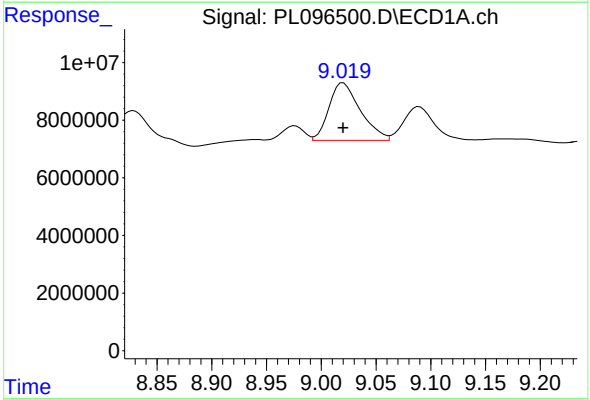
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



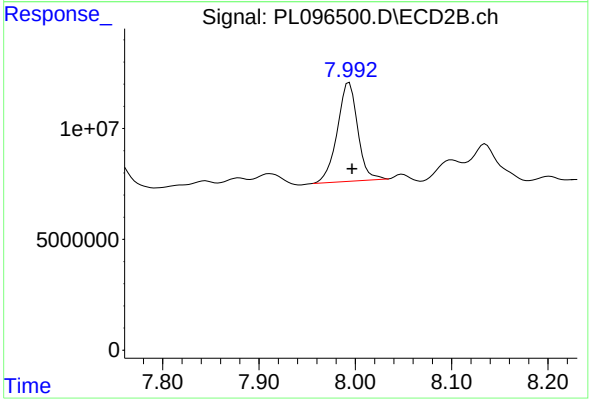
#17 4,4'-DDT

R.T.: 6.108 min
Delta R.T.: -0.005 min
Response: 25325869
Conc: 4.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.019 min
Delta R.T.: -0.001 min
Response: 39964465
Conc: 14.21 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 65449428
Conc: 13.13 ng/ml

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_L
Contract: NOBI03
SDG NO.: Q2638
Calibration Date(s): 07/07/2025 07/07/2025
Calibration Times: 10:53 11:49

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

LAB FILE ID: RT 100 = PL096240.D RT 075 = PL096241.D
RT 050 = PL096242.D RT 025 = PL096243.D RT 005 = PL096244.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.68	6.68	6.68	6.68	6.68	6.68	6.58	6.78
4,4'-DDE	6.17	6.17	6.17	6.17	6.17	6.17	6.07	6.27
4,4'-DDT	6.99	6.99	6.99	6.99	6.99	6.99	6.89	7.09
Aldrin	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
alpha-BHC	3.99	3.98	3.99	3.99	3.98	3.98	3.88	4.08
alpha-Chlordane	6.00	6.00	6.00	6.00	6.00	6.00	5.90	6.10
beta-BHC	4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Decachlorobiphenyl	9.02	9.02	9.02	9.02	9.02	9.02	8.92	9.12
delta-BHC	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Dieldrin	6.32	6.32	6.32	6.32	6.32	6.32	6.22	6.42
Endosulfan I	6.05	6.05	6.05	6.05	6.05	6.05	5.95	6.15
Endosulfan II	6.76	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Endosulfan sulfate	7.12	7.12	7.12	7.12	7.12	7.12	7.02	7.22
Endrin	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Endrin aldehyde	6.89	6.89	6.89	6.89	6.89	6.89	6.79	6.99
Endrin ketone	7.60	7.60	7.60	7.60	7.60	7.60	7.50	7.70
gamma-BHC (Lindane)	4.31	4.31	4.31	4.31	4.31	4.31	4.21	4.41
gamma-Chlordane	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
Heptachlor	4.91	4.91	4.91	4.91	4.91	4.91	4.81	5.01
Heptachlor epoxide	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Methoxychlor	7.46	7.47	7.46	7.46	7.47	7.46	7.36	7.56
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

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Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_L
Contract: NOBI03
SDG NO.: Q2638
Calibration Date(s): 07/07/2025 07/07/2025
Calibration Times: 10:53 11:49

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

LAB FILE ID: RT 100 = PL096240.D RT 075 = PL096241.D
RT 050 = PL096242.D RT 025 = PL096243.D RT 005 = PL096244.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.86	5.86	5.86	5.86	5.86	5.86	5.76	5.96
4,4'-DDE	5.31	5.31	5.31	5.31	5.31	5.31	5.21	5.41
4,4'-DDT	6.11	6.11	6.11	6.11	6.11	6.11	6.01	6.21
Aldrin	4.30	4.30	4.30	4.30	4.30	4.30	4.20	4.40
alpha-BHC	3.34	3.33	3.34	3.34	3.33	3.33	3.23	3.43
alpha-Chlordane	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
beta-BHC	3.96	3.96	3.96	3.96	3.96	3.96	3.86	4.06
Decachlorobiphenyl	8.00	8.00	8.00	8.00	8.00	8.00	7.90	8.10
delta-BHC	4.20	4.20	4.20	4.20	4.20	4.20	4.10	4.30
Dieldrin	5.44	5.44	5.44	5.44	5.44	5.44	5.34	5.54
Endosulfan I	5.17	5.17	5.17	5.17	5.17	5.17	5.07	5.27
Endosulfan II	6.00	6.01	6.00	6.00	6.00	6.00	5.90	6.10
Endosulfan sulfate	6.41	6.41	6.41	6.41	6.41	6.41	6.31	6.51
Endrin	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
Endrin aldehyde	6.18	6.18	6.18	6.18	6.18	6.18	6.08	6.28
Endrin ketone	6.91	6.91	6.91	6.91	6.91	6.91	6.81	7.01
gamma-BHC (Lindane)	3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
gamma-Chlordane	5.06	5.05	5.05	5.05	5.05	5.05	4.95	5.15
Heptachlor	4.02	4.02	4.02	4.02	4.02	4.02	3.92	4.12
Heptachlor epoxide	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Methoxychlor	6.69	6.69	6.68	6.68	6.69	6.68	6.58	6.78
Tetrachloro-m-xylene	2.83	2.83	2.83	2.83	2.83	2.83	2.73	2.93

Alliance TECHNICAL GROUP
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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: NOBI03
SDG NO.: Q2638
Calibration Date(s): 07/07/2025 07/07/2025
Calibration Times: 10:53 11:49

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

LAB FILE ID: CF 100 = PL096240.D CF 075 = PL096241.D
CF 050 = PL096242.D CF 025 = PL096243.D CF 005 = PL096244.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3025530000	2846910000	2912000000	2866030000	2907990000	2911690000	2
4,4'-DDE	3926920000	3702200000	3661590000	3582550000	3664090000	3707470000	4
4,4'-DDT	3139990000	3020970000	3013860000	2971550000	3029680000	3035210000	2
Aldrin	5044220000	4788040000	4818860000	4747320000	4770150000	4833720000	2
alpha-BHC	5571020000	5284470000	5219170000	4994210000	4646830000	5143140000	7
alpha-Chlordane	4467840000	4235850000	4336280000	4346530000	4507790000	4378860000	3
beta-BHC	2082830000	1999940000	2042490000	2063730000	2205000000	2078800000	4
Decachlorobiphenyl	2734760000	2660070000	2729730000	2840050000	3100690000	2813060000	6
delta-BHC	4804100000	4509860000	4516620000	4346750000	4229310000	4481330000	5
Dieldrin	4412200000	4164020000	4220320000	4153040000	4192430000	4228400000	3
Endosulfan I	4104490000	3923660000	3972940000	3960980000	4224190000	4037250000	3
Endosulfan II	3436020000	3297450000	3368710000	3426740000	3821340000	3470050000	6
Endosulfan sulfate	3137110000	3004650000	3031090000	3032300000	3089040000	3058840000	2
Endrin	3278570000	3096260000	3152290000	3035270000	2988660000	3110210000	4
Endrin aldehyde	2215710000	2169840000	2211780000	2233390000	2347070000	2235560000	3
Endrin ketone	3370450000	3244040000	3298880000	3310580000	3284220000	3301630000	1
gamma-BHC (Lindane)	5277490000	4937170000	5003630000	4872450000	4807500000	4979650000	4
gamma-Chlordane	4569600000	4313810000	4409790000	4376470000	4454320000	4424800000	2
Heptachlor	4644220000	4480710000	4500180000	4479130000	4801850000	4581220000	3
Heptachlor epoxide	4361240000	4217620000	4223310000	4173120000	3770510000	4149160000	5
Methoxychlor	1520130000	1498290000	1535260000	1580890000	1742410000	1575400000	6
Tetrachloro-m-xylene	3687130000	3500570000	3606810000	3645250000	3805110000	3648970000	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: NOBI03
SDG NO.: Q2638
Calibration Date(s): 07/07/2025 07/07/2025
Calibration Times: 10:53 11:49

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

LAB FILE ID: CF 100 = PL096240.D CF 075 = PL096241.D
CF 050 = PL096242.D CF 025 = PL096243.D CF 005 = PL096244.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	5571570000	4977570000	5155470000	5287270000	4651570000	5128690000	7
4,4'-DDE	6739130000	6417050000	6536750000	6411470000	6214030000	6463690000	3
4,4'-DDT	5925140000	5675380000	5791870000	5721480000	5561780000	5735130000	2
Aldrin	7475900000	7172530000	7359270000	7276060000	7194310000	7295610000	2
alpha-BHC	8848150000	8418870000	8584670000	8360580000	7959470000	8434350000	4
alpha-Chlordane	7046040000	6935280000	7064760000	7361960000	9193110000	7520230000	13
beta-BHC	3360940000	3226040000	3388040000	3479970000	3664560000	3423910000	5
Decachlorobiphenyl	4787910000	4666610000	4872180000	5085100000	5520680000	4986500000	7
delta-BHC	8014430000	7644710000	7801450000	7659590000	7389330000	7701900000	3
Dieldrin	6945820000	6673390000	6924870000	6824890000	6727300000	6819260000	2
Endosulfan I	6416060000	6267840000	6569550000	7091990000	9525280000	7174140000	19
Endosulfan II	5847590000	5648280000	5812370000	5897790000	6113420000	5863890000	3
Endosulfan sulfate	5568190000	5412610000	5591840000	5675050000	5874310000	5624400000	3
Endrin	6179120000	5963060000	6145890000	6105230000	6089210000	6096500000	1
Endrin aldehyde	4125070000	4064350000	4267630000	4523470000	5292510000	4454610000	11
Endrin ketone	6162820000	5984650000	6260480000	6351420000	6501850000	6252240000	3
gamma-BHC (Lindane)	8140460000	7776520000	7961280000	7854920000	7646170000	7875870000	2
gamma-Chlordane	7096610000	6910800000	6978800000	6991350000	7120960000	7019700000	1
Heptachlor	7661840000	7400290000	7666040000	7667210000	7643400000	7607760000	2
Heptachlor epoxide	6588350000	6451450000	6691850000	6724070000	6968780000	6684900000	3
Methoxychlor	2949250000	2893130000	3027760000	3113420000	3205310000	3037770000	4
Tetrachloro-m-xylene	5771200000	5549810000	5746090000	5799260000	5989730000	5771220000	3

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

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

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.22	6.12	6.32	30025500
		2	6.61	6.51	6.71	26119300
		3	7.03	6.93	7.13	120095000
		4	7.12	7.02	7.22	85971000
		5	7.90	7.80	8.00	61804300

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

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

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.08	4.98	5.18	36707400
		2	5.76	5.66	5.86	51848200
		3	6.04	5.94	6.14	51417500
		4	6.68	6.58	6.78	166414000
		5	7.12	7.02	7.22	101419000

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096240.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:53
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:52:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.537	2.829	368.7E6	577.1E6	101.101	100.218
28)	SA Decachlor...	9.019	7.995	273.5E6	478.8E6	100.092	99.128
	Target Compounds						
2)	A alpha-BHC	3.985	3.335	557.1E6	884.8E6	103.261	101.511
3)	MA gamma-BHC...	4.314	3.667	527.7E6	814.0E6	102.664	101.113
4)	MA Heptachlor	4.906	4.017	464.4E6	766.2E6	101.575	99.973
5)	MB Aldrin	5.247	4.300	504.4E6	747.6E6	102.285	100.786
6)	B beta-BHC	4.500	3.964	208.3E6	336.1E6	100.978	99.598
7)	B delta-BHC	4.745	4.197	480.4E6	801.4E6	103.084	101.347
8)	B Heptachlo...	5.666	4.802	436.1E6	658.8E6	101.607	99.221
9)	A Endosulfan I	6.047	5.174	410.4E6	641.6E6	101.629	98.818
10)	B gamma-Chl...	5.919	5.055	457.0E6	709.7E6	101.780	100.837
11)	B alpha-Chl...	6.000	5.119	446.8E6	704.6E6	101.494	99.867
12)	B 4,4'-DDE	6.170	5.308	392.7E6	673.9E6	103.496	101.524
13)	MA Dieldrin	6.319	5.438	441.2E6	694.6E6	102.223	100.151
14)	MA Endrin	6.546	5.713	327.9E6	617.9E6	101.964	100.270
15)	B Endosulfa...	6.758	6.004	343.6E6	584.8E6	100.989	100.302
16)	A 4,4'-DDD	6.678	5.860	302.6E6	557.2E6	101.912	103.879
17)	MA 4,4'-DDT	6.992	6.113	314.0E6	592.5E6	102.050	101.137
18)	B Endrin al...	6.887	6.183	221.6E6	412.5E6	100.089	98.301
19)	B Endosulfa...	7.120	6.406	313.7E6	556.8E6	101.719	99.788
20)	A Methoxychlor	7.464	6.685	152.0E6	294.9E6	99.505	98.686
21)	B Endrin ke...	7.599	6.909	337.0E6	616.3E6	101.073	99.269m
22)	Mirex	8.079	7.101	272.3E6	474.8E6	99.763	99.059

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096240.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:53
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

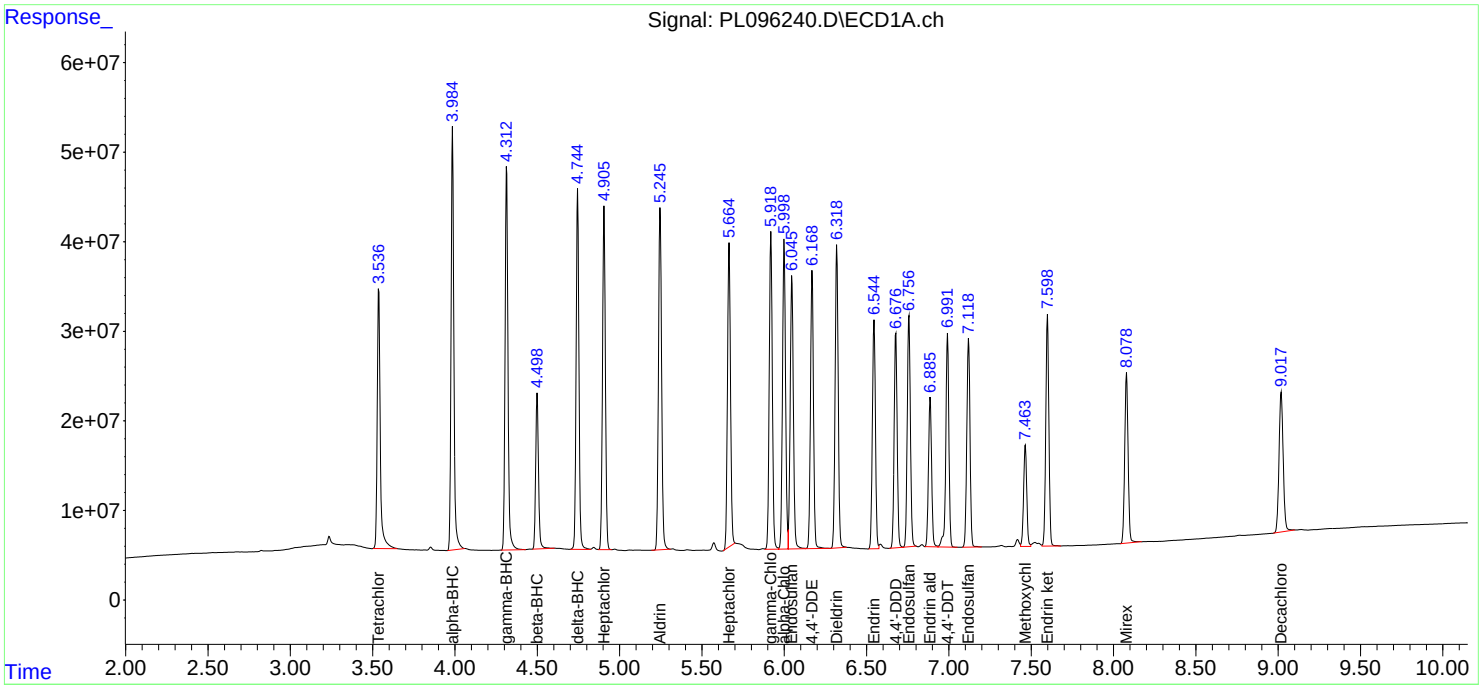
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

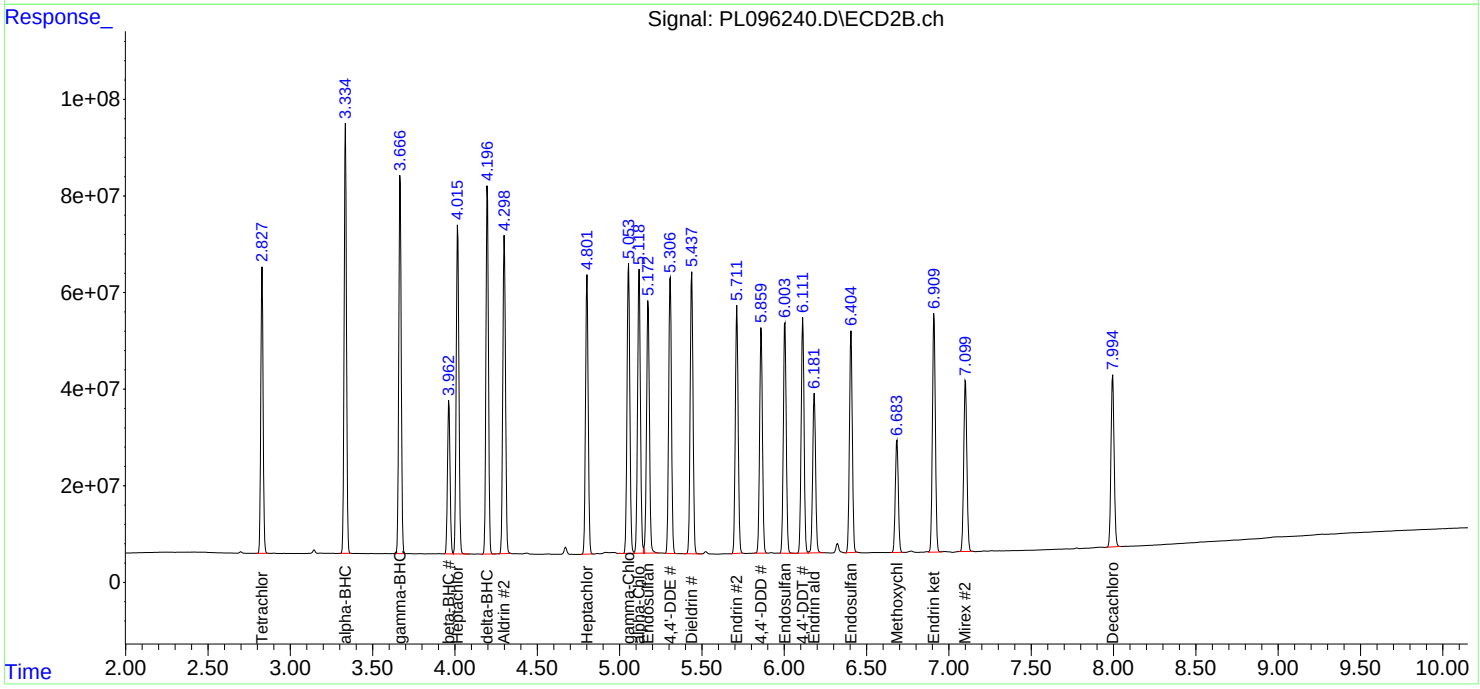
Manual Integrations APPROVED

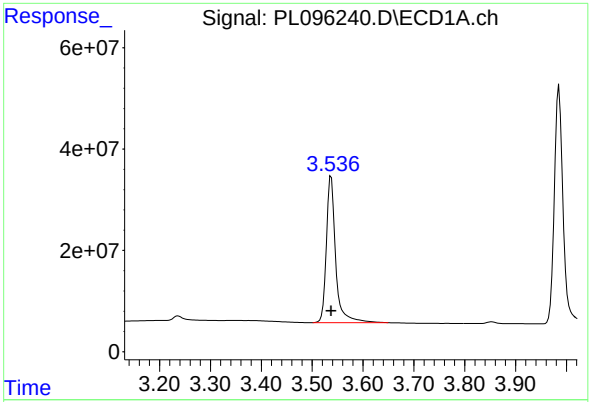
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:52:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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







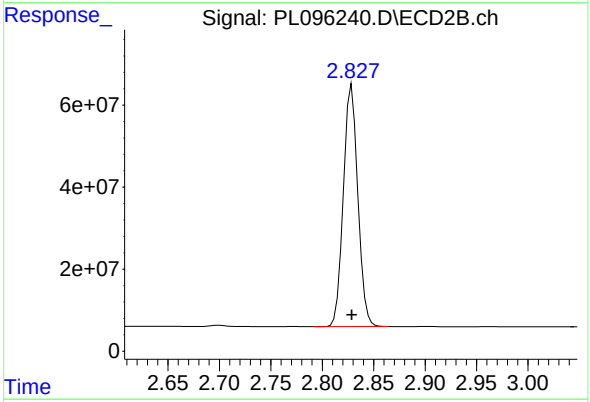
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 368713396
Conc: 101.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

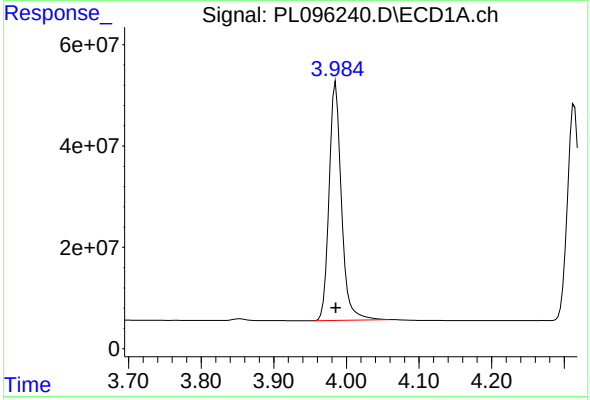
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



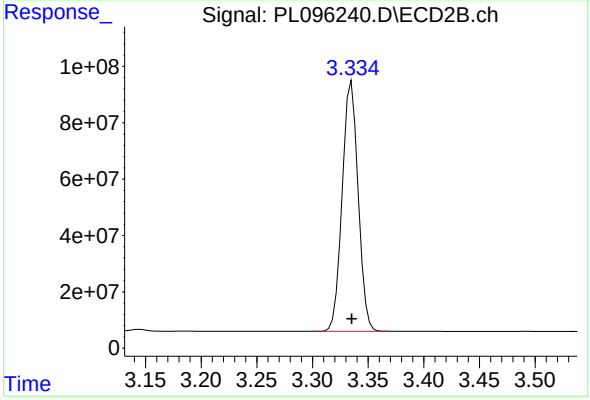
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 577119747
Conc: 100.22 ng/ml



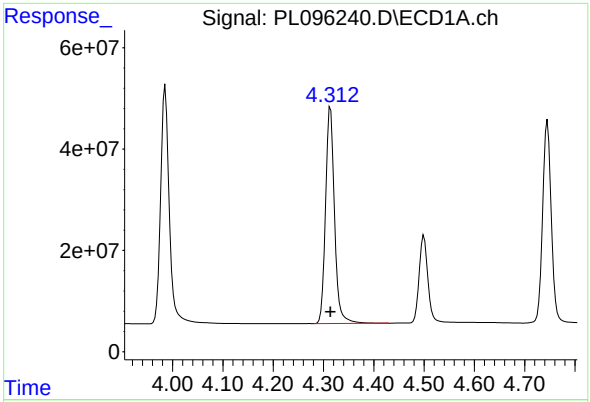
#2 alpha-BHC

R.T.: 3.985 min
Delta R.T.: 0.000 min
Response: 557101929
Conc: 103.26 ng/ml



#2 alpha-BHC

R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 884814859
Conc: 101.51 ng/ml



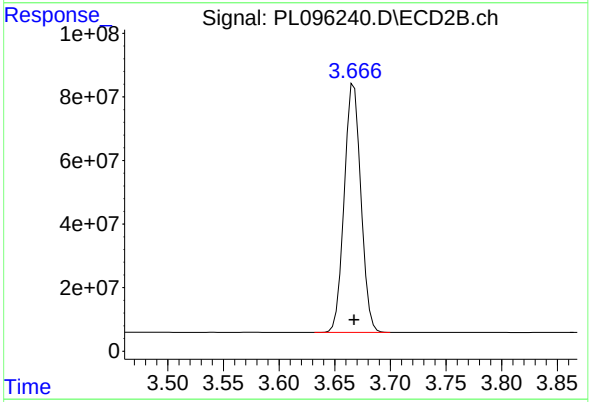
#3 gamma-BHC (Lindane)

R.T.: 4.314 min
Delta R.T.: 0.000 min
Response: 527748889
Conc: 102.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

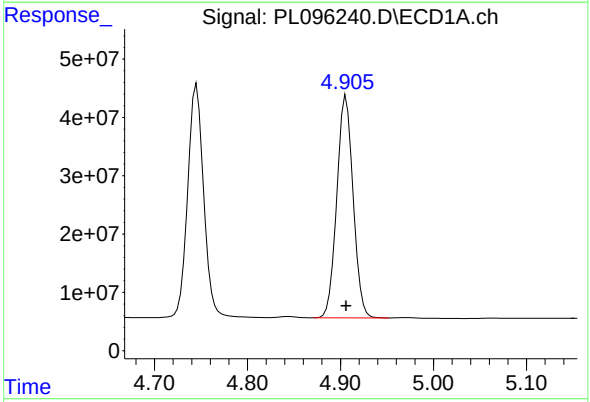
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



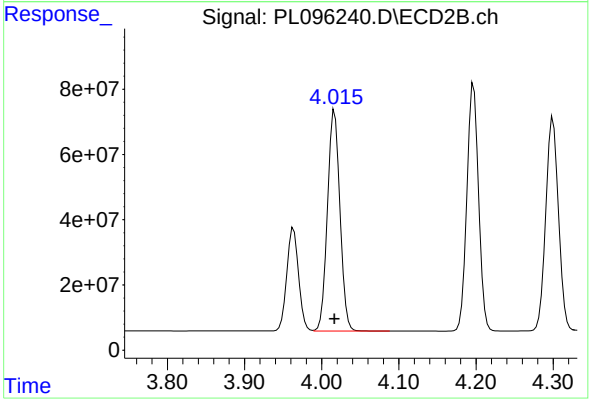
#3 gamma-BHC (Lindane)

R.T.: 3.667 min
Delta R.T.: 0.000 min
Response: 814046283
Conc: 101.11 ng/ml



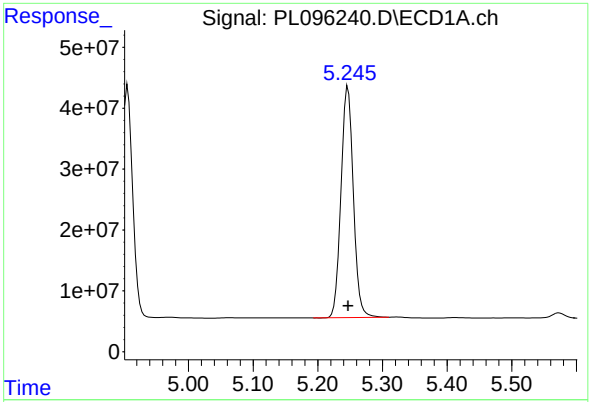
#4 Heptachlor

R.T.: 4.906 min
Delta R.T.: 0.000 min
Response: 464421737
Conc: 101.58 ng/ml



#4 Heptachlor

R.T.: 4.017 min
Delta R.T.: 0.000 min
Response: 766184215
Conc: 99.97 ng/ml



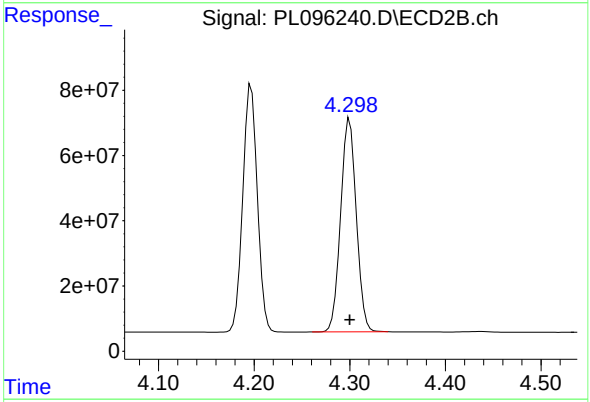
#5 Aldrin

R.T.: 5.247 min
Delta R.T.: 0.000 min
Response: 504421526
Conc: 102.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

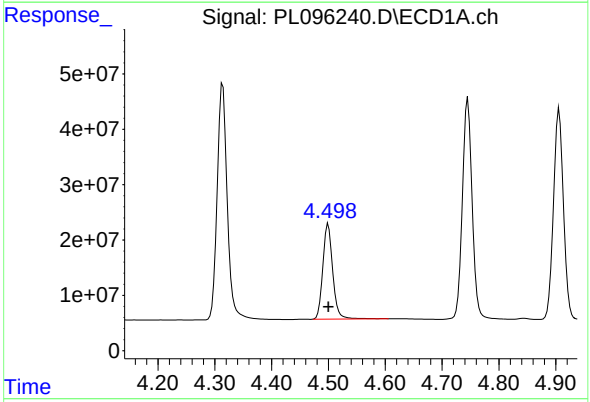
Manual Integrations APPROVED

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Supervised By :mohammad ahmed 07/09/2025



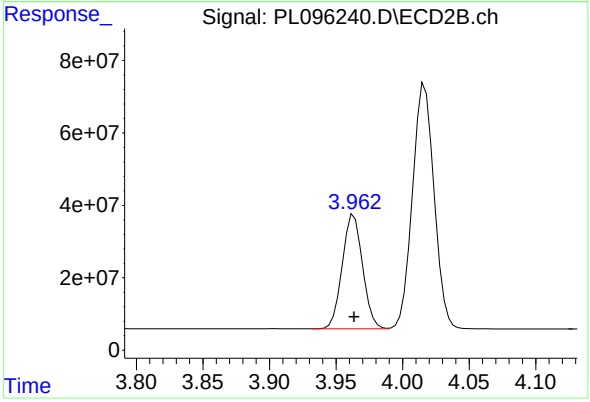
#5 Aldrin

R.T.: 4.300 min
Delta R.T.: 0.000 min
Response: 747589776
Conc: 100.79 ng/ml



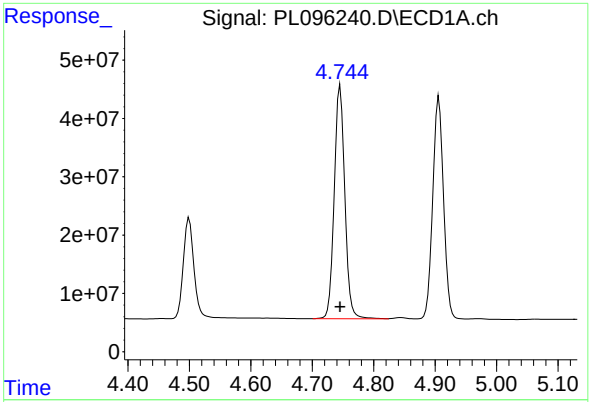
#6 beta-BHC

R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 208282525
Conc: 100.98 ng/ml



#6 beta-BHC

R.T.: 3.964 min
Delta R.T.: 0.000 min
Response: 336093656
Conc: 99.60 ng/ml



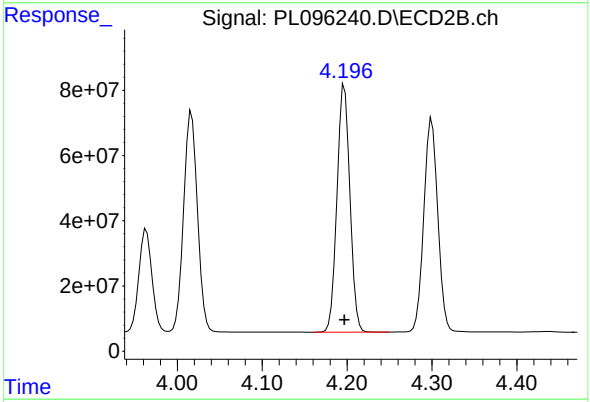
#7 delta-BHC

R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 480409974
Conc: 103.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

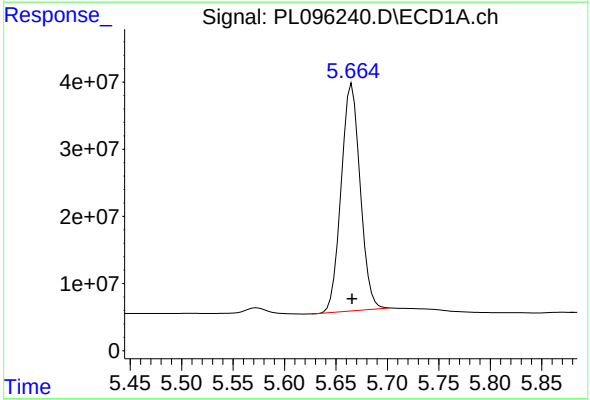
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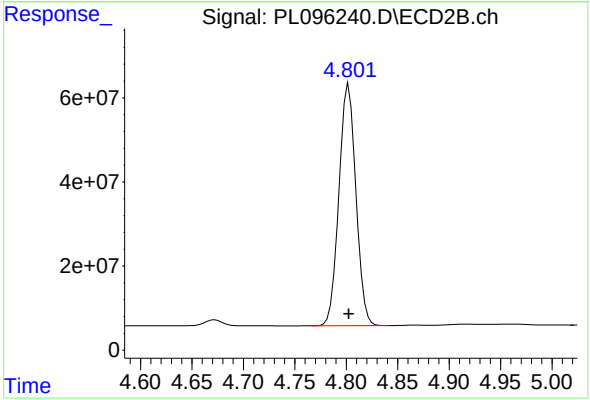
#7 delta-BHC

R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 801442796
Conc: 101.35 ng/ml



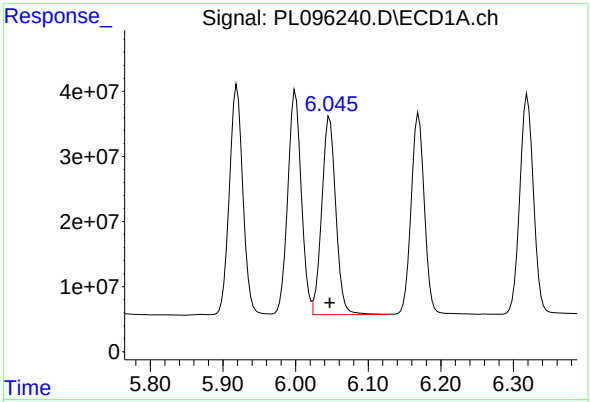
#8 Heptachlor epoxide

R.T.: 5.666 min
Delta R.T.: 0.000 min
Response: 436123549
Conc: 101.61 ng/ml



#8 Heptachlor epoxide

R.T.: 4.802 min
Delta R.T.: 0.000 min
Response: 658834978
Conc: 99.22 ng/ml



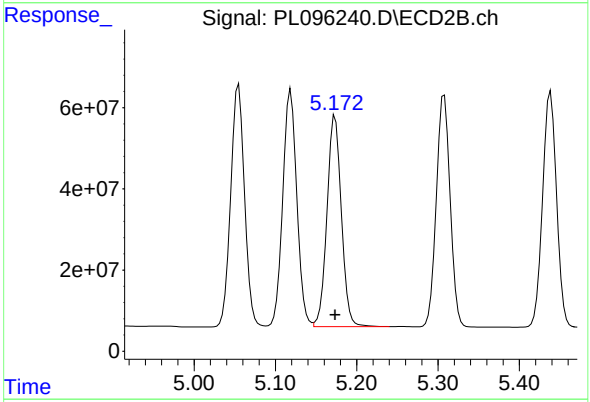
#9 Endosulfan I

R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 410449369
Conc: 101.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

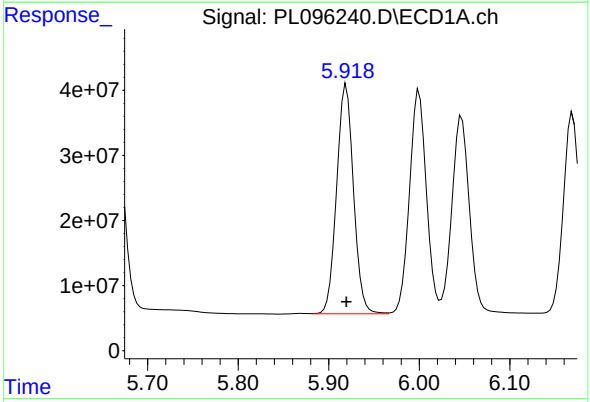
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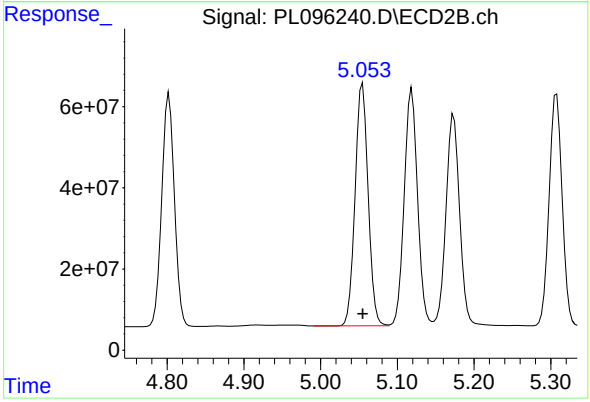
#9 Endosulfan I

R.T.: 5.174 min
Delta R.T.: 0.000 min
Response: 641606385
Conc: 98.82 ng/ml



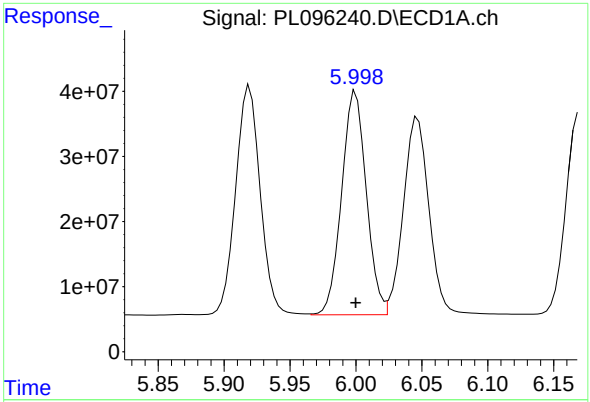
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 456960375
Conc: 101.78 ng/ml



#10 gamma-Chlordane

R.T.: 5.055 min
Delta R.T.: 0.000 min
Response: 709660522
Conc: 100.84 ng/ml



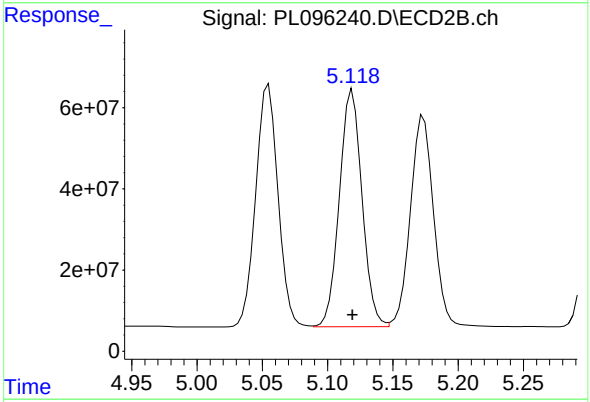
#11 alpha-Chlordane

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 446783941
Conc: 101.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

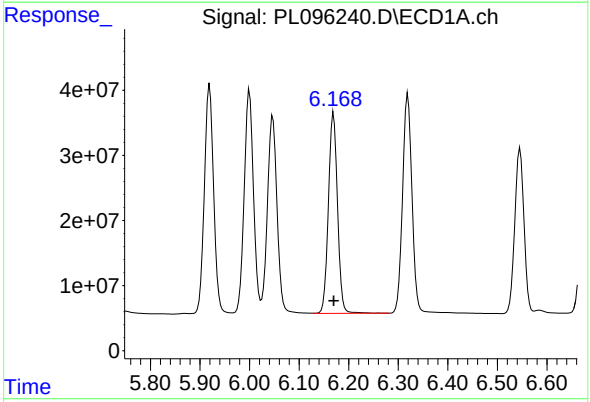
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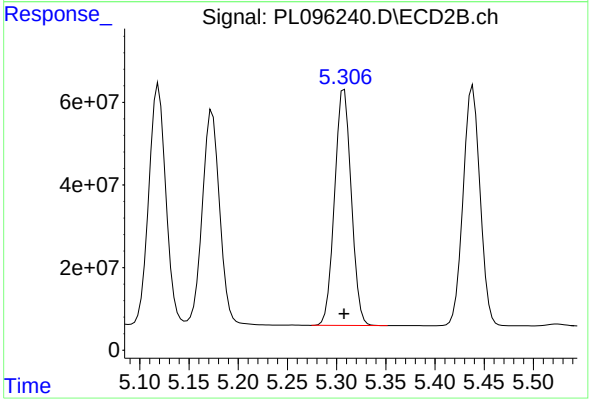
#11 alpha-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 704603748
Conc: 99.87 ng/ml



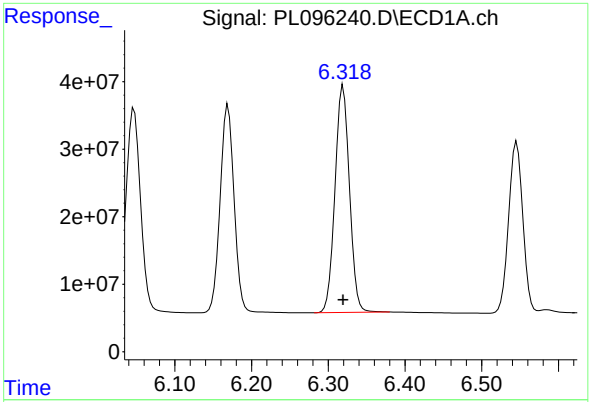
#12 4,4'-DDE

R.T.: 6.170 min
Delta R.T.: 0.000 min
Response: 392691754
Conc: 103.50 ng/ml



#12 4,4'-DDE

R.T.: 5.308 min
Delta R.T.: 0.000 min
Response: 673912776
Conc: 101.52 ng/ml



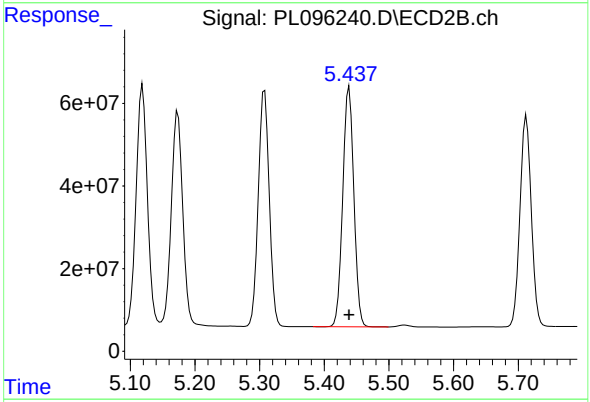
#13 Dieldrin

R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 441219717
Conc: 102.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

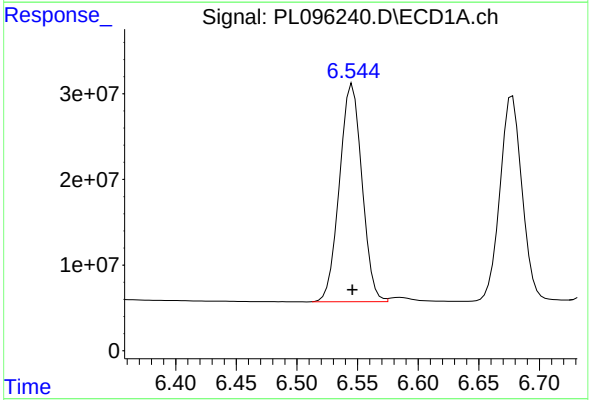
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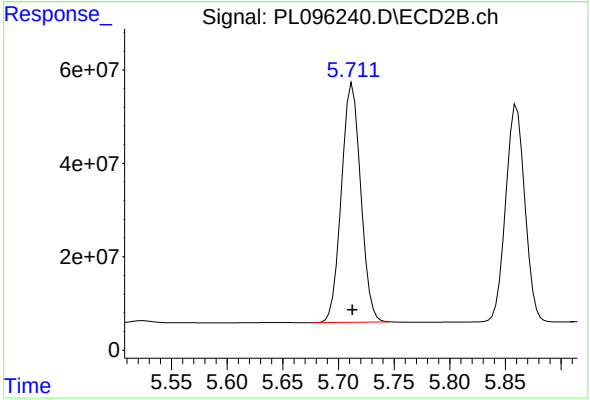
#13 Dieldrin

R.T.: 5.438 min
Delta R.T.: 0.000 min
Response: 694581916
Conc: 100.15 ng/ml



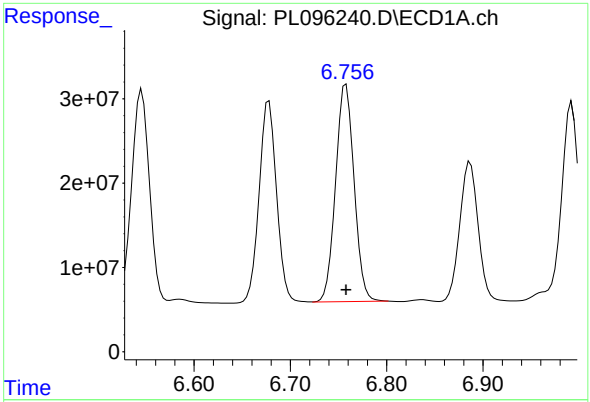
#14 Endrin

R.T.: 6.546 min
Delta R.T.: 0.000 min
Response: 327856737
Conc: 101.96 ng/ml



#14 Endrin

R.T.: 5.713 min
Delta R.T.: 0.000 min
Response: 617911586
Conc: 100.27 ng/ml



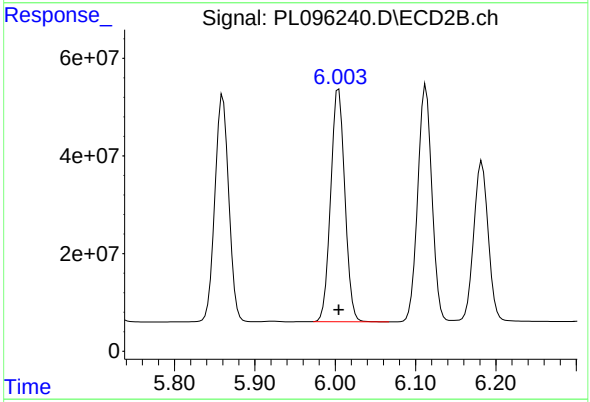
#15 Endosulfan II

R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 343602098
Conc: 100.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

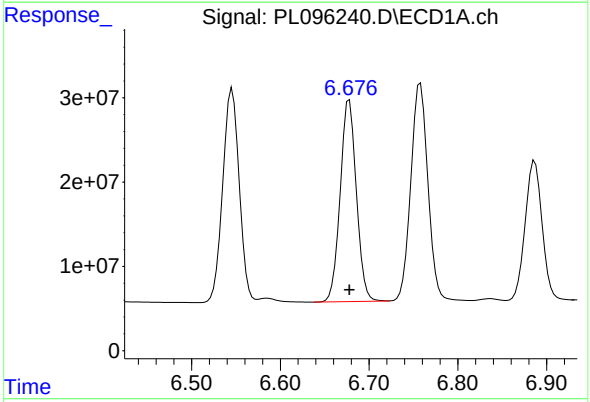
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Supervised By :mohammad ahmed 07/09/2025



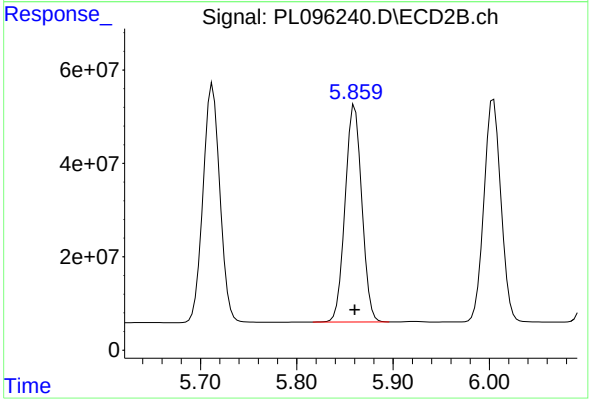
#15 Endosulfan II

R.T.: 6.004 min
Delta R.T.: 0.000 min
Response: 584758568
Conc: 100.30 ng/ml



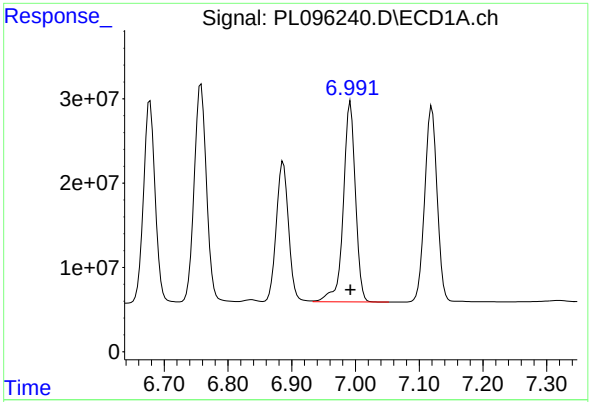
#16 4,4'-DDD

R.T.: 6.678 min
Delta R.T.: 0.000 min
Response: 302553480
Conc: 101.91 ng/ml



#16 4,4'-DDD

R.T.: 5.860 min
Delta R.T.: 0.000 min
Response: 557157332
Conc: 103.88 ng/ml



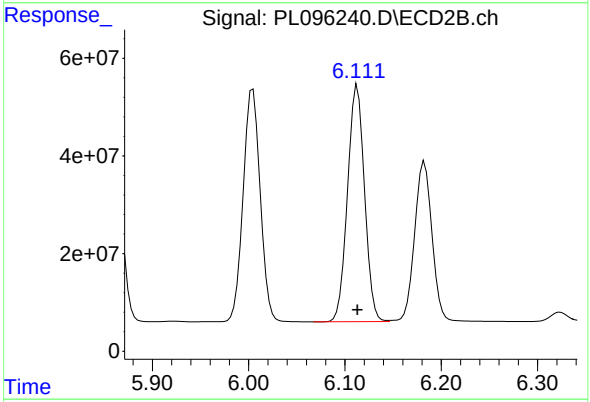
#17 4,4'-DDT

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 313998795
Conc: 102.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

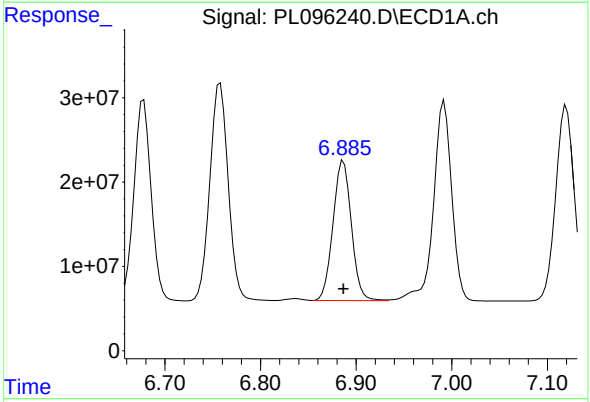
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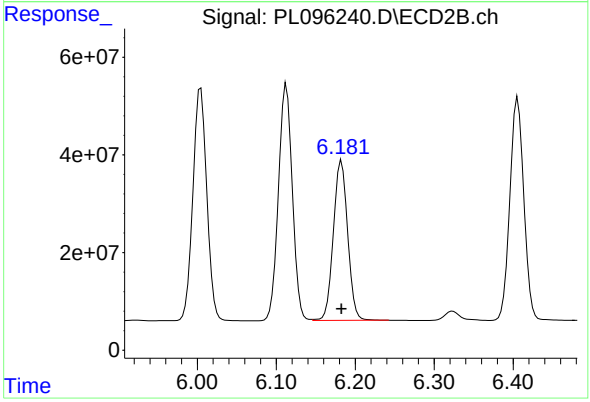
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 592514272
Conc: 101.14 ng/ml



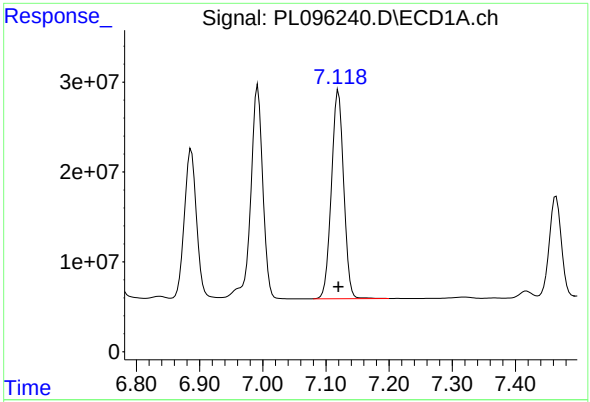
#18 Endrin aldehyde

R.T.: 6.887 min
Delta R.T.: 0.000 min
Response: 221570723
Conc: 100.09 ng/ml



#18 Endrin aldehyde

R.T.: 6.183 min
Delta R.T.: 0.000 min
Response: 412506550
Conc: 98.30 ng/ml



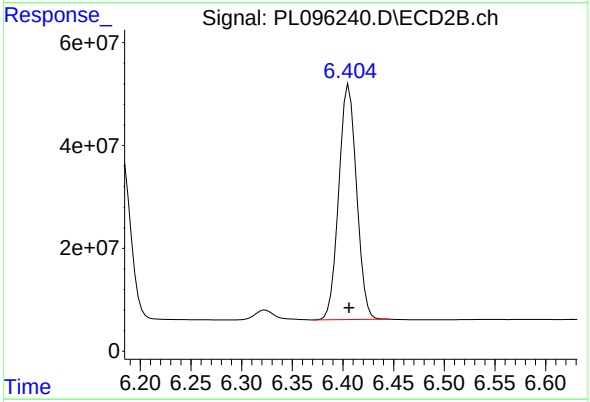
#19 Endosulfan Sulfate

R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 313710860
Conc: 101.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

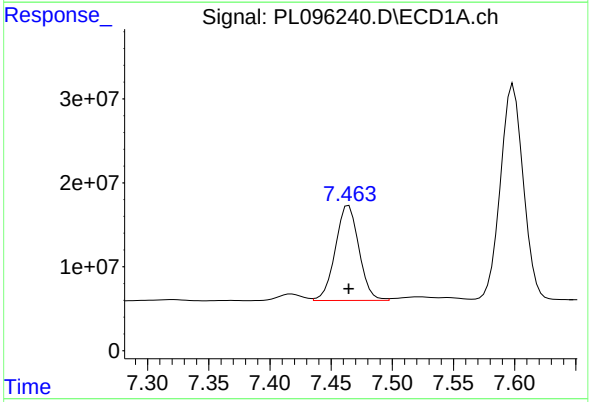
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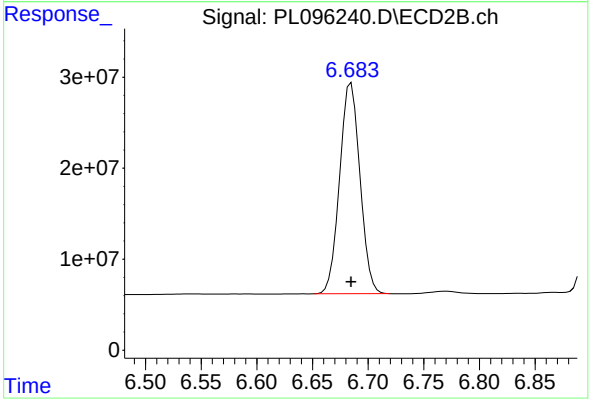
#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 556818702
Conc: 99.79 ng/ml



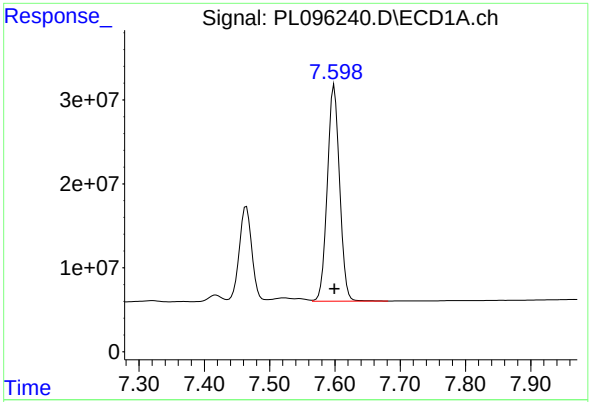
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 152013274
Conc: 99.50 ng/ml



#20 Methoxychlor

R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 294925098
Conc: 98.69 ng/ml



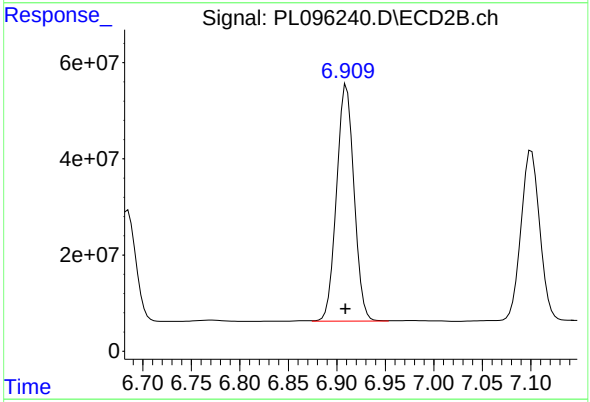
#21 Endrin ketone

R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 337044938
Conc: 101.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

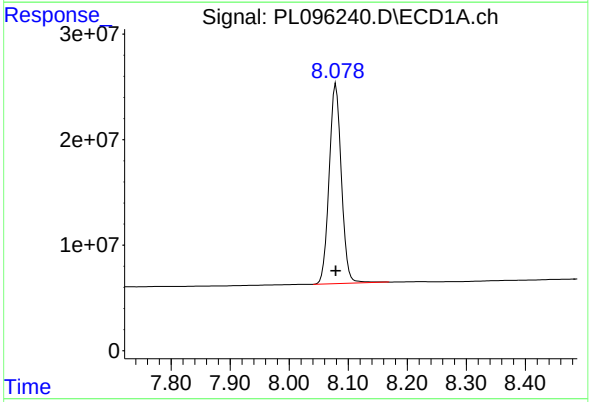
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Supervised By :mohammad ahmed 07/09/2025



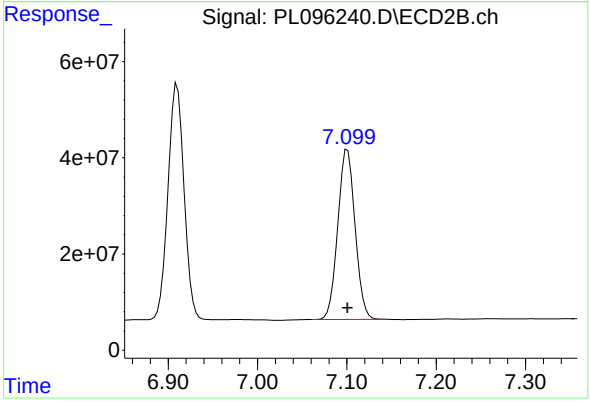
#21 Endrin ketone

R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 616281878
Conc: 99.27 ng/ml m



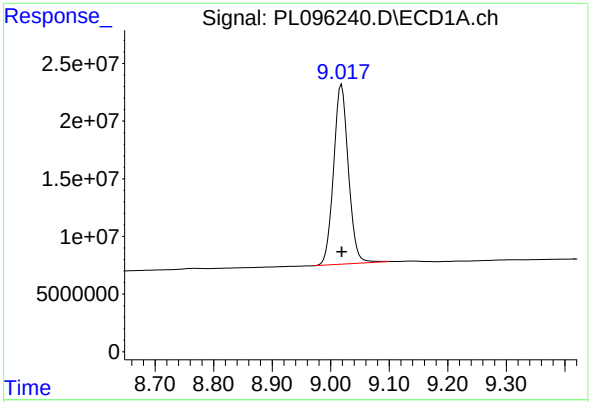
#22 Mirex

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 272266974
Conc: 99.76 ng/ml



#22 Mirex

R.T.: 7.101 min
Delta R.T.: 0.000 min
Response: 474838332
Conc: 99.06 ng/ml



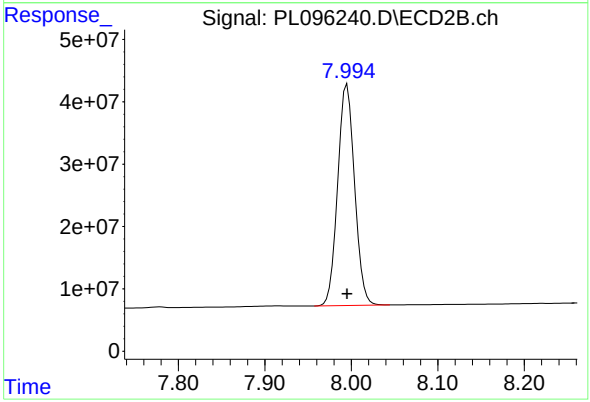
#28 Decachlorobiphenyl

R.T.: 9.019 min
Delta R.T.: 0.000 min
Response: 273475929
Conc: 100.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

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#28 Decachlorobiphenyl

R.T.: 7.995 min
Delta R.T.: 0.000 min
Response: 478791037
Conc: 99.13 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096241.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:09
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

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Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:55:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.537	2.827	262.5E6	416.2E6	72.966	73.165
28)	SA Decachlor...	9.022	7.996	199.5E6	350.0E6	73.668	73.289
	Target Compounds						
2)	A alpha-BHC	3.984	3.334	396.3E6	631.4E6	73.968	73.274
3)	MA gamma-BHC...	4.313	3.666	370.3E6	583.2E6	72.995	73.277
4)	MA Heptachlor	4.906	4.016	336.1E6	555.0E6	73.993	73.260
5)	MB Aldrin	5.245	4.300	359.1E6	537.9E6	73.531	73.330
6)	B beta-BHC	4.497	3.963	150.0E6	242.0E6	73.486m	72.768
7)	B delta-BHC	4.745	4.196	338.2E6	573.4E6	73.368	73.317
8)	B Heptachlo...	5.666	4.802	316.3E6	483.9E6	74.125	73.566
9)	A Endosulfan I	6.047	5.173	294.3E6	470.1E6	73.562	73.247
10)	B gamma-Chl...	5.919	5.054	323.5E6	518.3E6	73.015	74.093
11)	B alpha-Chl...	6.000	5.119	317.7E6	520.1E6	73.088	74.144
12)	B 4,4'-DDE	6.170	5.308	277.7E6	481.3E6	73.777	73.317
13)	MA Dieldrin	6.319	5.438	312.3E6	500.5E6	73.215	73.087
14)	MA Endrin	6.546	5.713	232.2E6	447.2E6	73.124	73.364
15)	B Endosulfa...	6.758	6.005	247.3E6	423.6E6	73.442	73.425
16)	A 4,4'-DDD	6.679	5.860	213.5E6	373.3E6	72.919	71.314
17)	MA 4,4'-DDT	6.993	6.113	226.6E6	425.7E6	74.085	73.421
18)	B Endrin al...	6.887	6.183	162.7E6	304.8E6	74.002	73.411
19)	B Endosulfa...	7.120	6.406	225.3E6	405.9E6	73.701	73.485
20)	A Methoxychlor	7.465	6.685	112.4E6	217.0E6	74.031	73.387
21)	B Endrin ke...	7.600	6.910	243.3E6	448.8E6	73.629	73.150
22)	Mirex	8.080	7.101	198.3E6	347.2E6	73.425	73.273

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

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Data File : PL096241.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:09
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

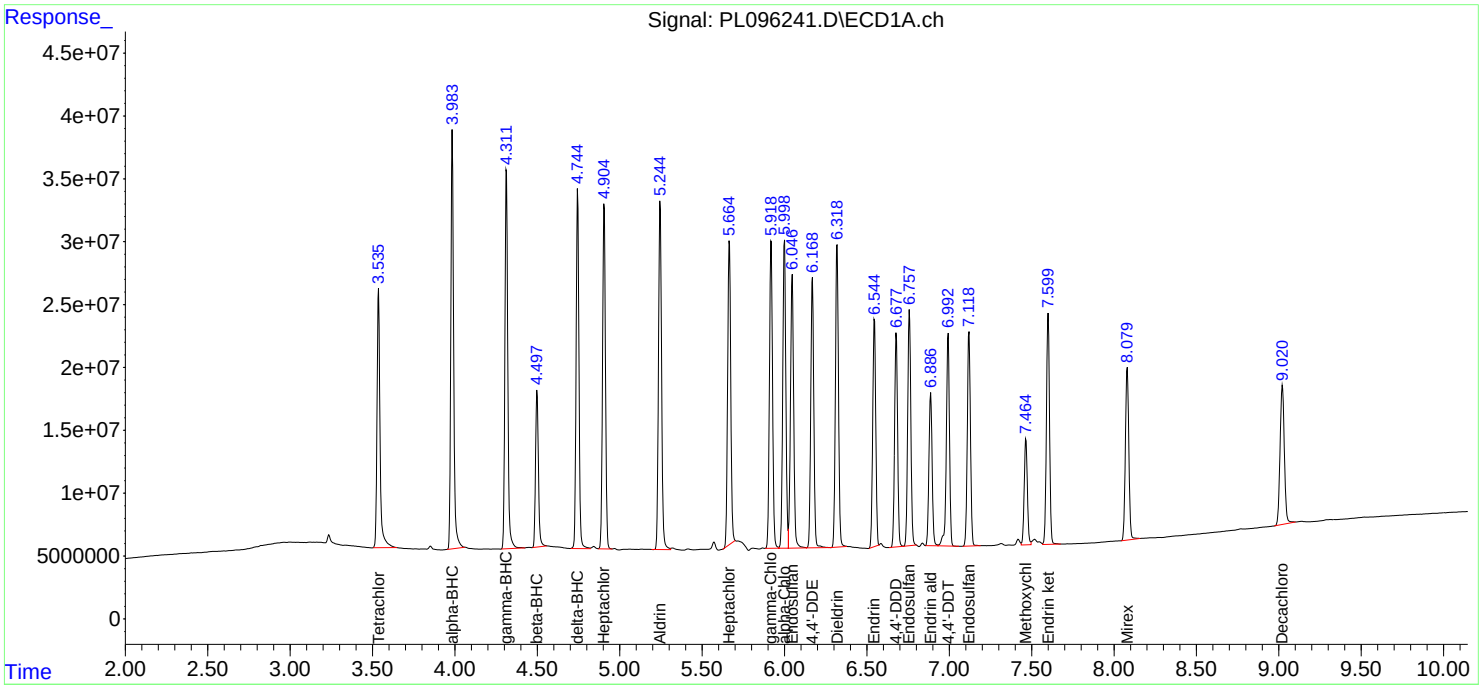
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ECD_L
ClientSampleId :
PSTDICC075

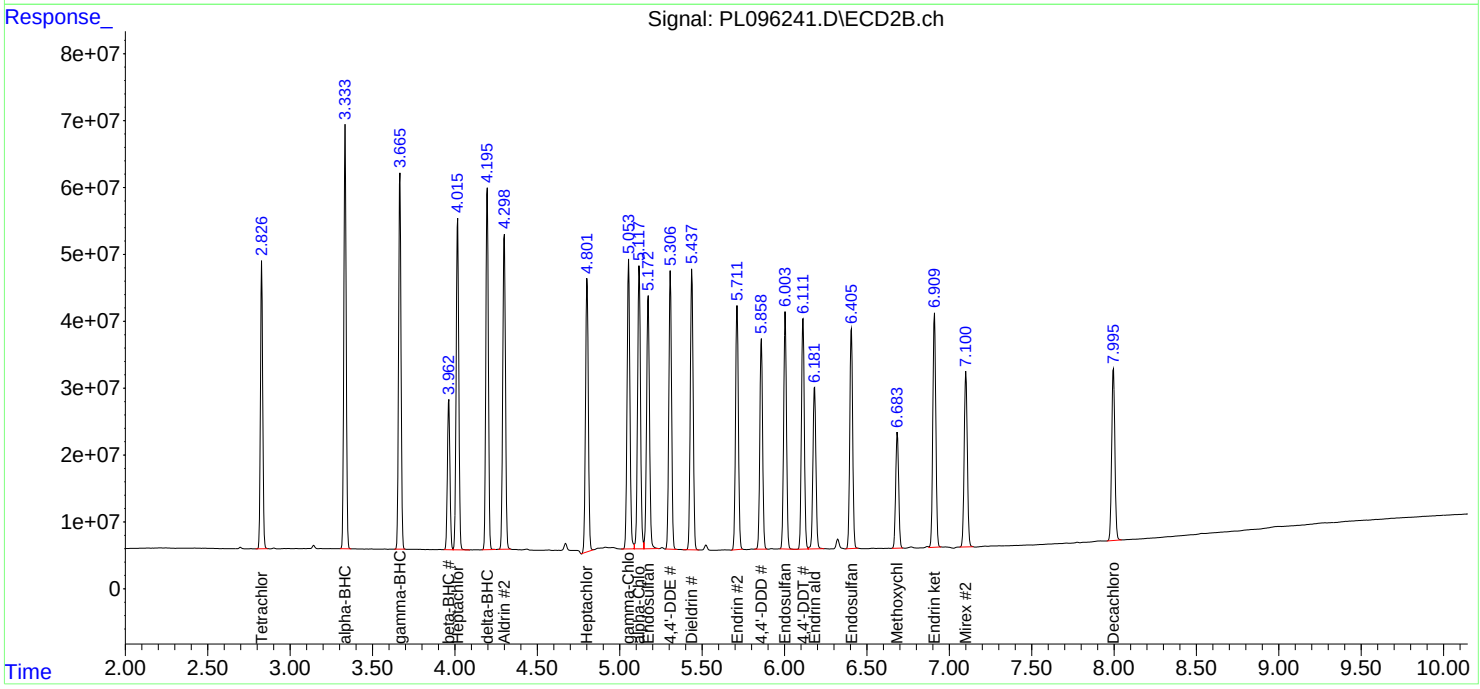
Manual Integrations APPROVED

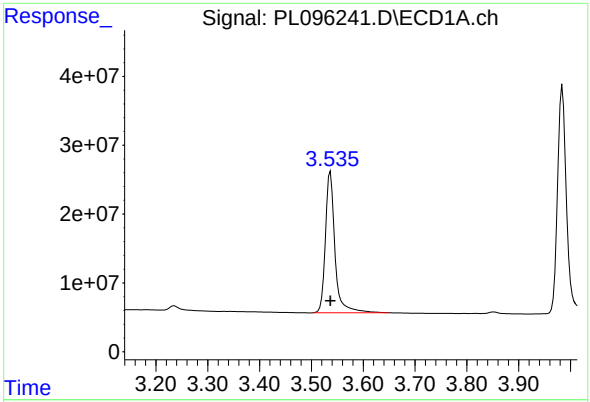
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:55:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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







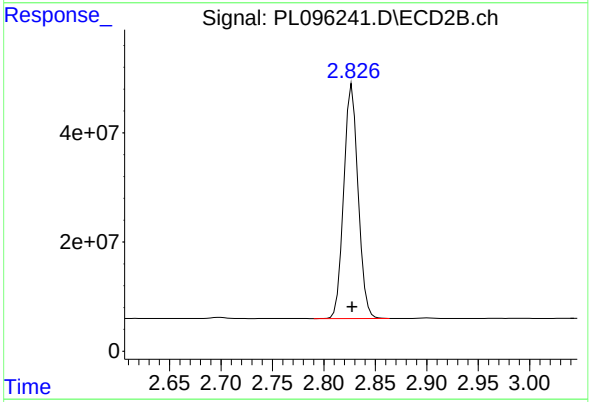
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 262543056
Conc: 72.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

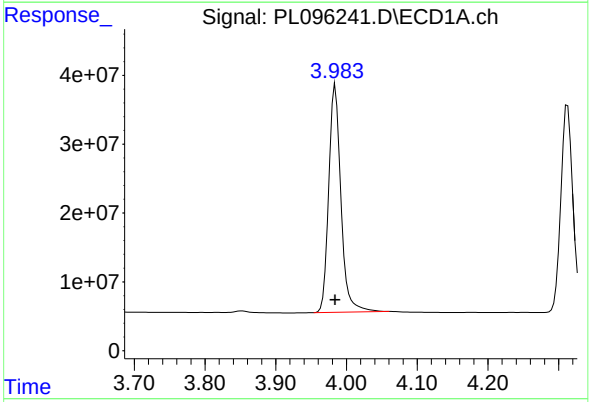
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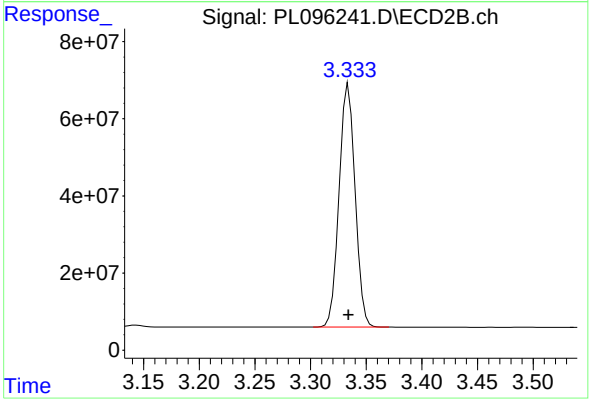
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: 0.000 min
Response: 416235607
Conc: 73.16 ng/ml



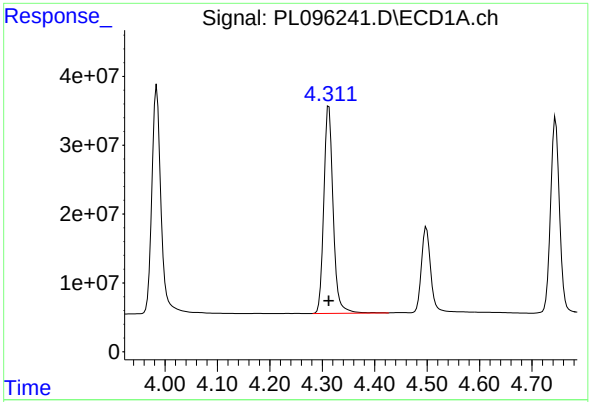
#2 alpha-BHC

R.T.: 3.984 min
Delta R.T.: 0.000 min
Response: 396335614
Conc: 73.97 ng/ml



#2 alpha-BHC

R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 631414881
Conc: 73.27 ng/ml



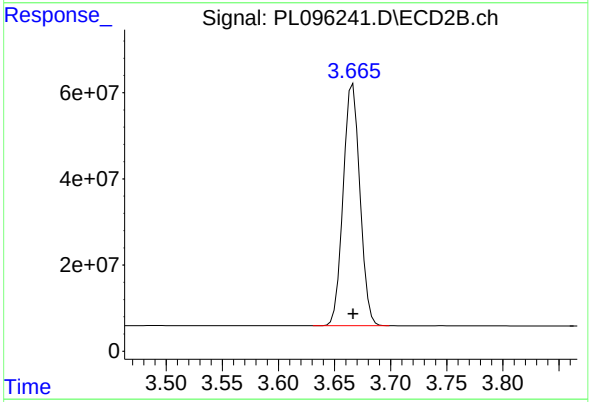
#3 gamma-BHC (Lindane)

R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 370288063
Conc: 73.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

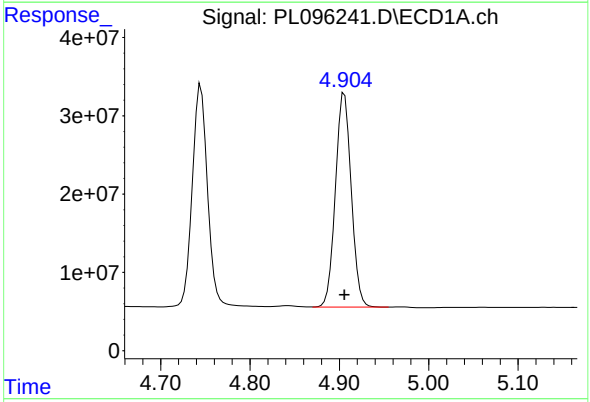
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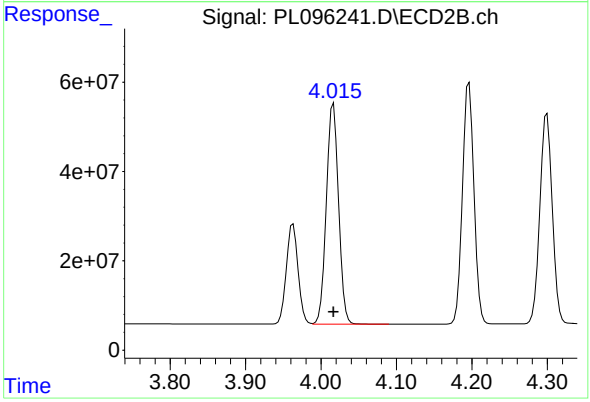
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 583238890
Conc: 73.28 ng/ml



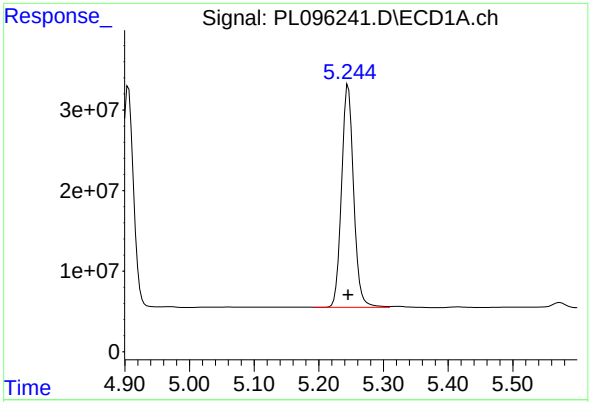
#4 Heptachlor

R.T.: 4.906 min
Delta R.T.: 0.000 min
Response: 336053186
Conc: 73.99 ng/ml



#4 Heptachlor

R.T.: 4.016 min
Delta R.T.: 0.000 min
Response: 555021848
Conc: 73.26 ng/ml



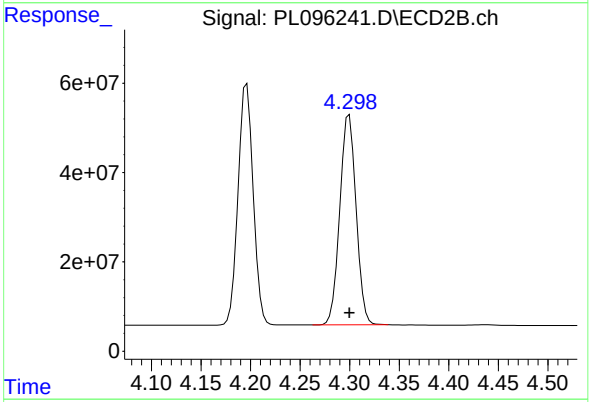
#5 Aldrin

R.T.: 5.245 min
Delta R.T.: 0.000 min
Response: 359102683
Conc: 73.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

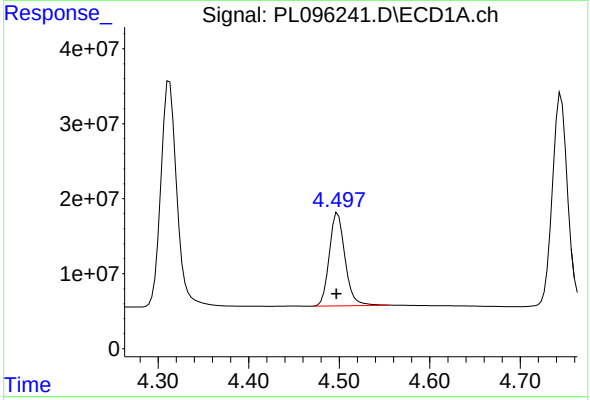
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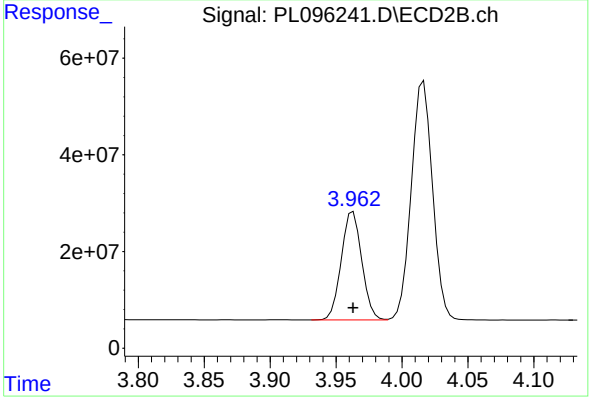
#5 Aldrin

R.T.: 4.300 min
Delta R.T.: 0.000 min
Response: 537939626
Conc: 73.33 ng/ml



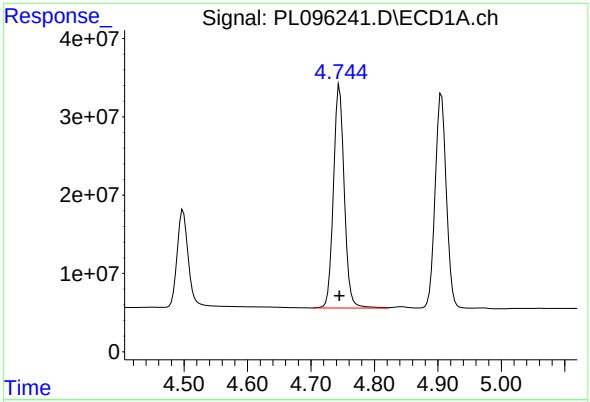
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: 0.000 min
Response: 149995346
Conc: 73.49 ng/ml m



#6 beta-BHC

R.T.: 3.963 min
Delta R.T.: 0.000 min
Response: 241953093
Conc: 72.77 ng/ml



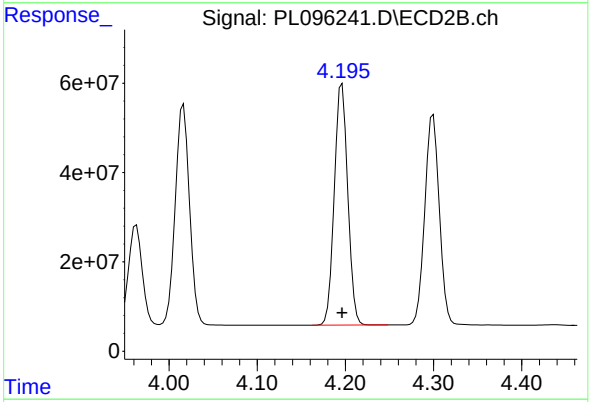
#7 delta-BHC

R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 338239285
Conc: 73.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

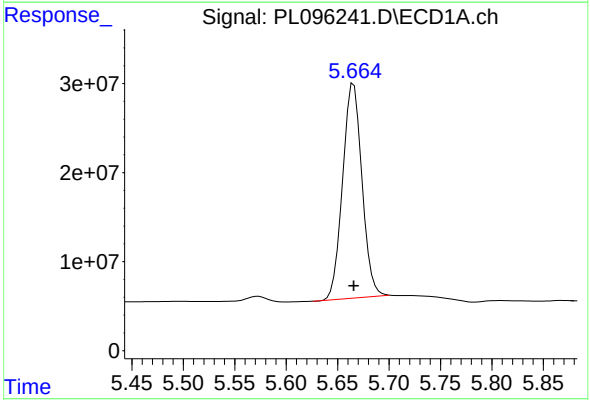
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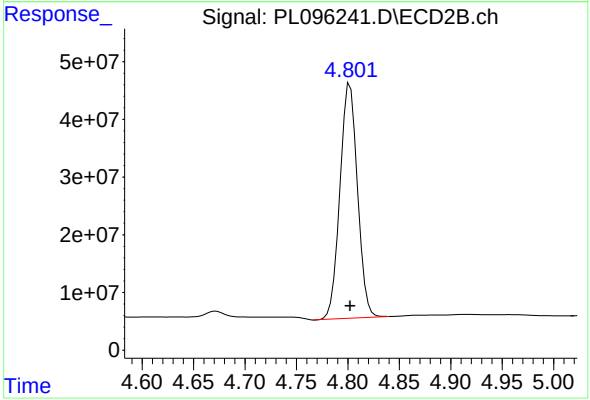
#7 delta-BHC

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 573353492
Conc: 73.32 ng/ml



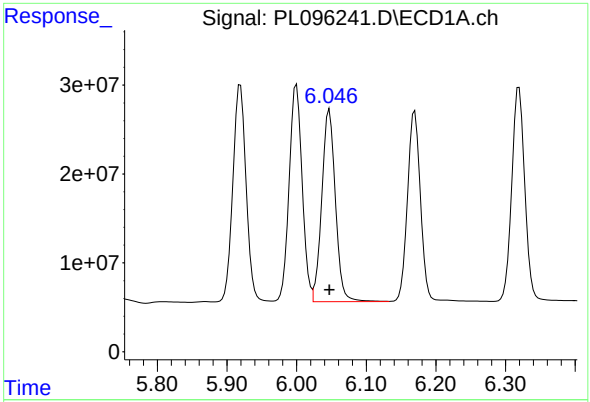
#8 Heptachlor epoxide

R.T.: 5.666 min
Delta R.T.: 0.000 min
Response: 316321392
Conc: 74.13 ng/ml



#8 Heptachlor epoxide

R.T.: 4.802 min
Delta R.T.: 0.000 min
Response: 483858685
Conc: 73.57 ng/ml



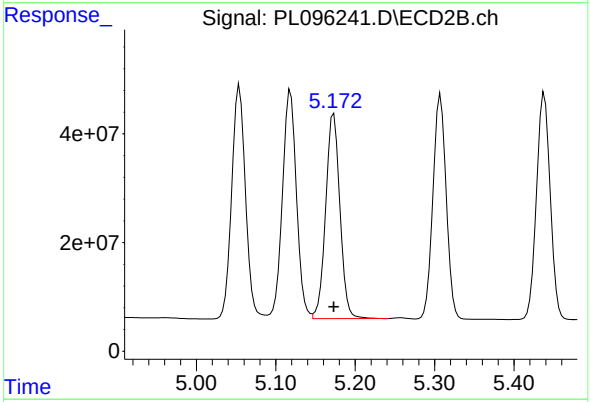
#9 Endosulfan I

R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 294274733
Conc: 73.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

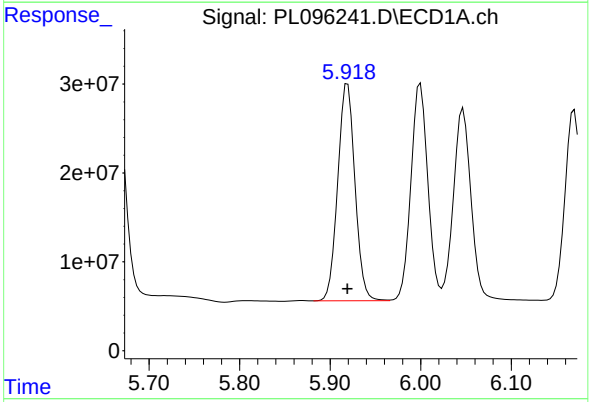
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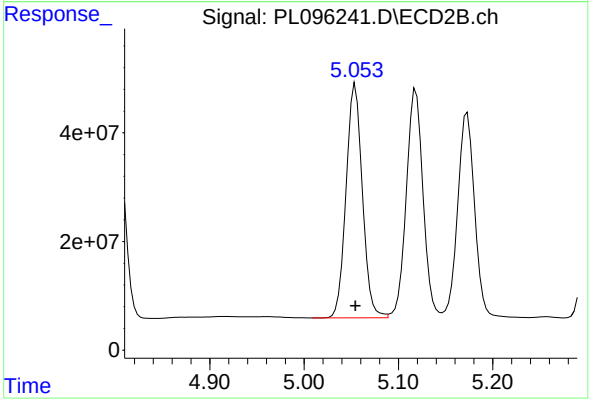
#9 Endosulfan I

R.T.: 5.173 min
Delta R.T.: 0.000 min
Response: 470088253
Conc: 73.25 ng/ml



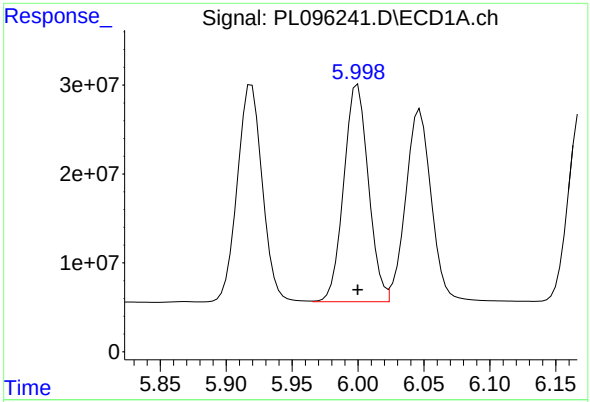
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 323535827
Conc: 73.02 ng/ml



#10 gamma-Chlordane

R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 518309627
Conc: 74.09 ng/ml



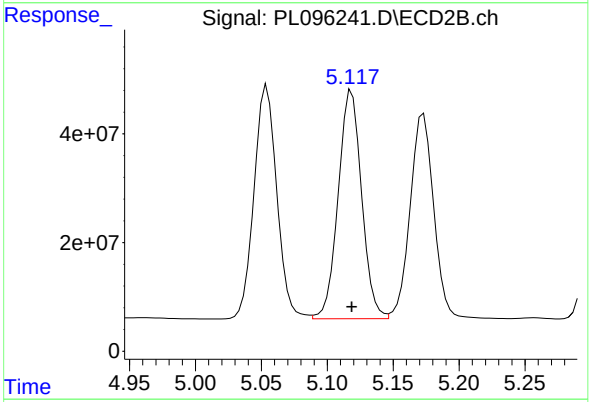
#11 alpha-Chlordane

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 317688612
Conc: 73.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

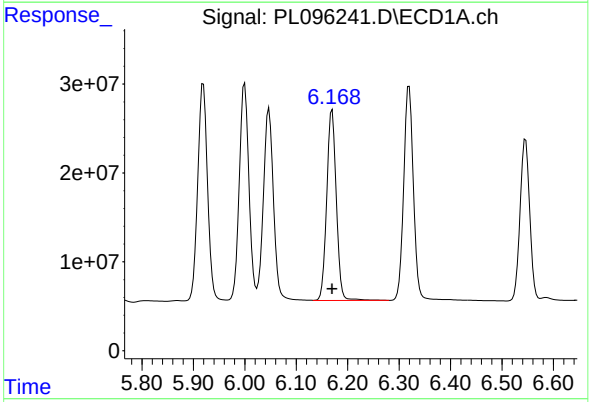
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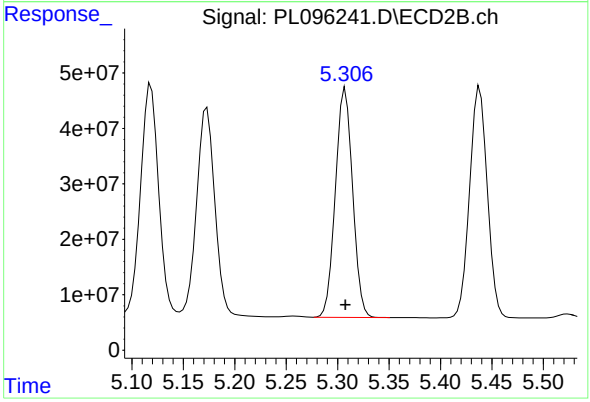
#11 alpha-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 520145705
Conc: 74.14 ng/ml



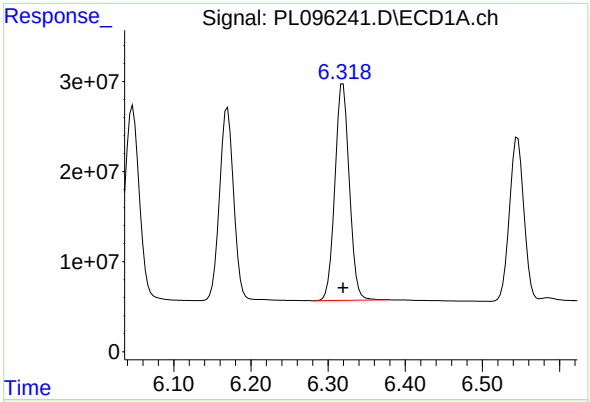
#12 4,4'-DDE

R.T.: 6.170 min
Delta R.T.: 0.000 min
Response: 277665348
Conc: 73.78 ng/ml



#12 4,4'-DDE

R.T.: 5.308 min
Delta R.T.: 0.000 min
Response: 481278531
Conc: 73.32 ng/ml



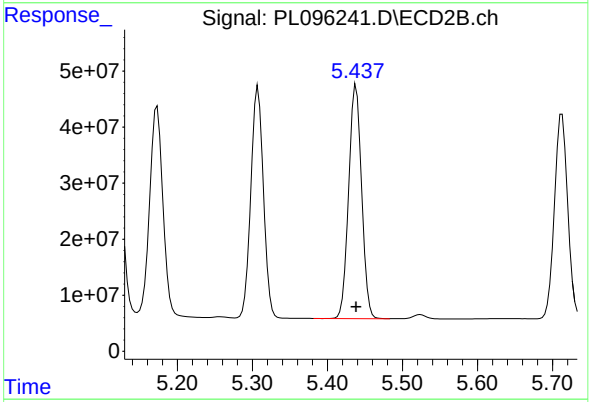
#13 Dieldrin

R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 312301591
Conc: 73.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

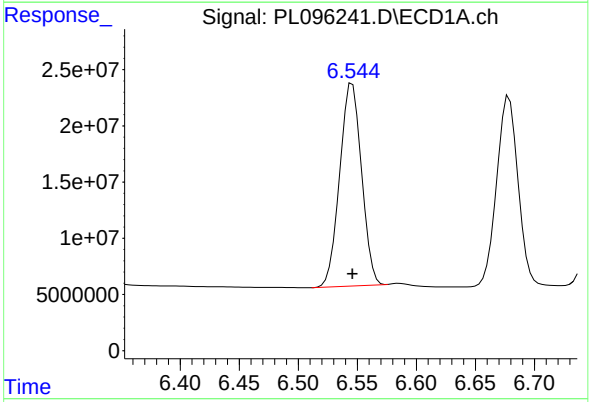
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Supervised By :mohammad ahmed 07/09/2025



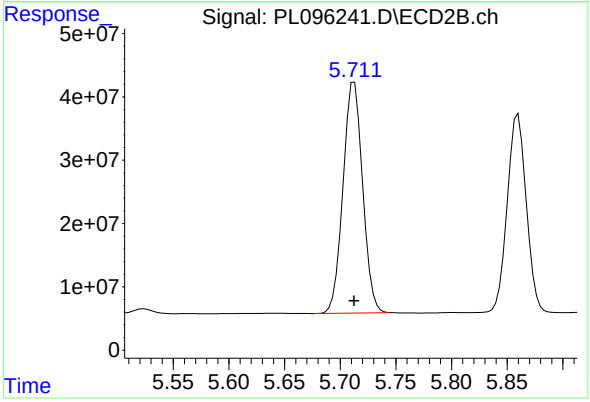
#13 Dieldrin

R.T.: 5.438 min
Delta R.T.: 0.000 min
Response: 500504569
Conc: 73.09 ng/ml



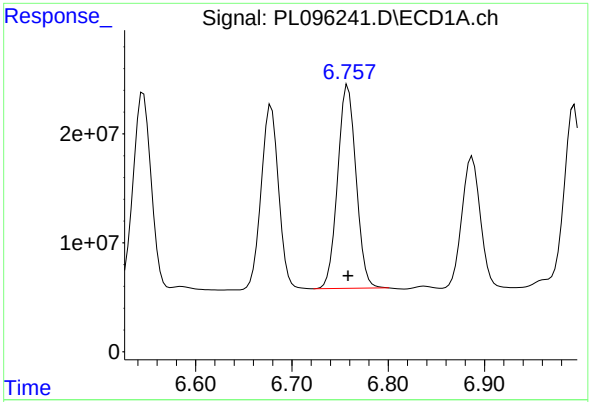
#14 Endrin

R.T.: 6.546 min
Delta R.T.: 0.000 min
Response: 232219601
Conc: 73.12 ng/ml



#14 Endrin

R.T.: 5.713 min
Delta R.T.: 0.000 min
Response: 447229804
Conc: 73.36 ng/ml



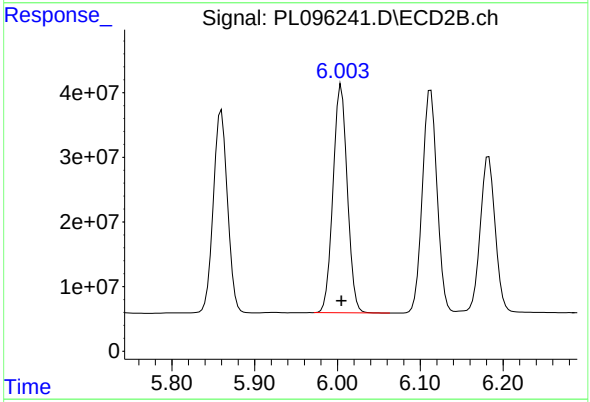
#15 Endosulfan II

R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 247308429
Conc: 73.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

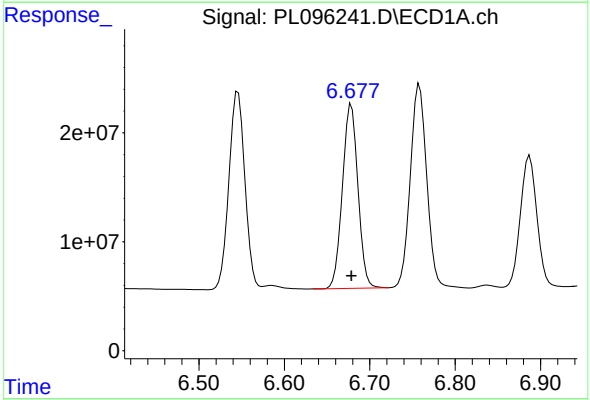
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Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



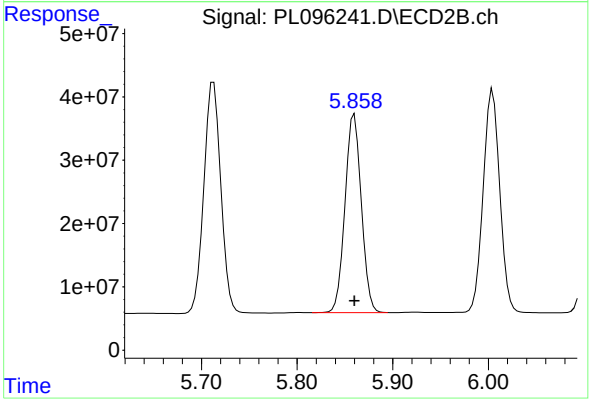
#15 Endosulfan II

R.T.: 6.005 min
Delta R.T.: 0.000 min
Response: 423621224
Conc: 73.43 ng/ml



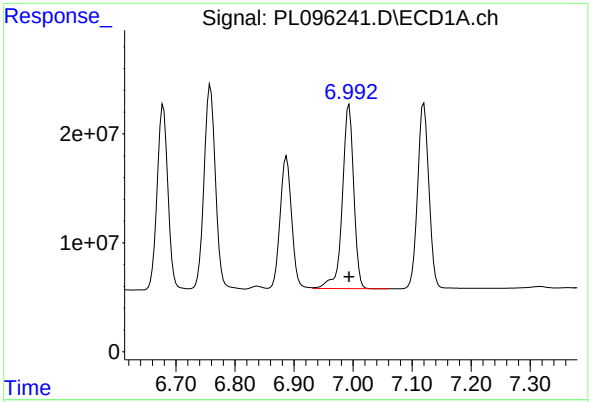
#16 4,4'-DDD

R.T.: 6.679 min
Delta R.T.: 0.000 min
Response: 213518178
Conc: 72.92 ng/ml



#16 4,4'-DDD

R.T.: 5.860 min
Delta R.T.: 0.000 min
Response: 373318019
Conc: 71.31 ng/ml



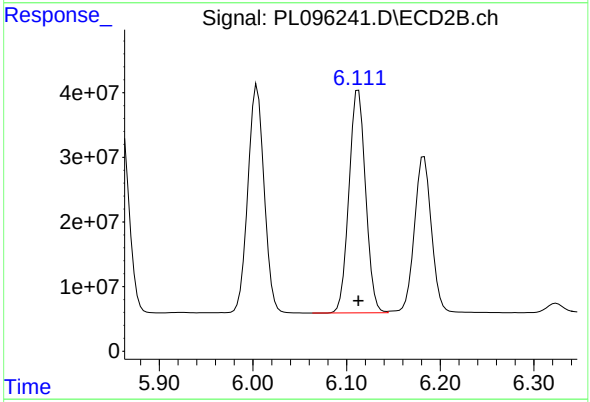
#17 4,4'-DDT

R.T.: 6.993 min
Delta R.T.: 0.000 min
Response: 226572574
Conc: 74.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

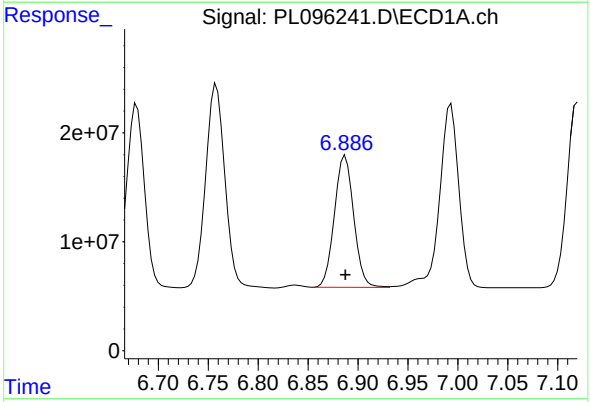
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



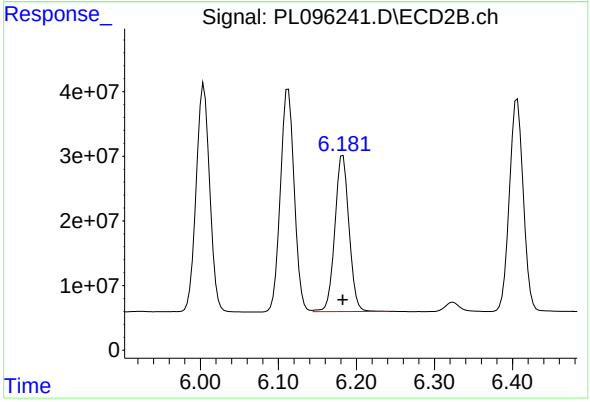
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 425653619
Conc: 73.42 ng/ml



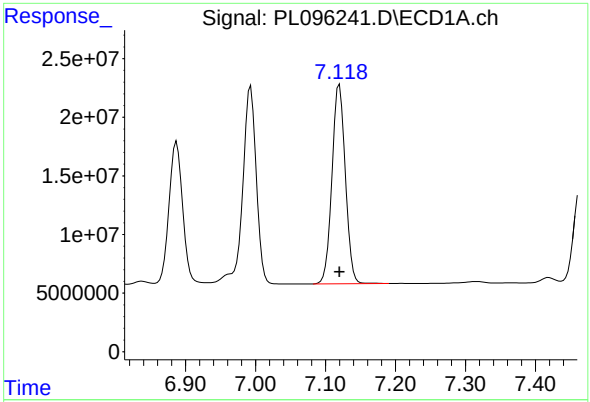
#18 Endrin aldehyde

R.T.: 6.887 min
Delta R.T.: 0.000 min
Response: 162737910
Conc: 74.00 ng/ml



#18 Endrin aldehyde

R.T.: 6.183 min
Delta R.T.: 0.000 min
Response: 304826260
Conc: 73.41 ng/ml



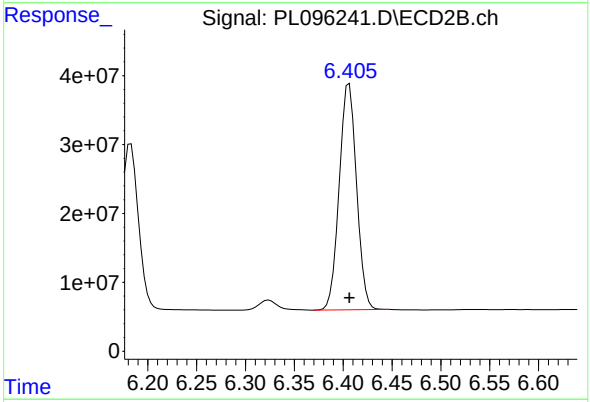
#19 Endosulfan Sulfate

R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 225348743
Conc: 73.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

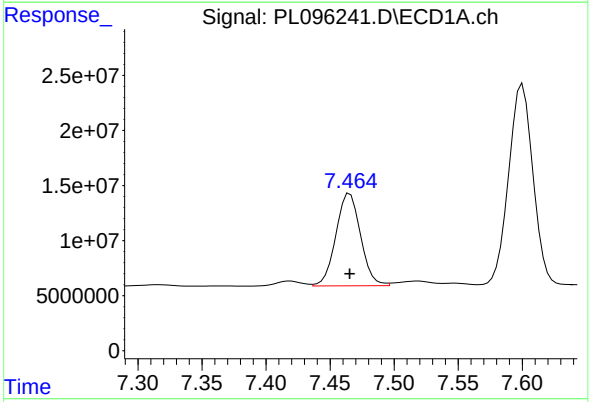
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



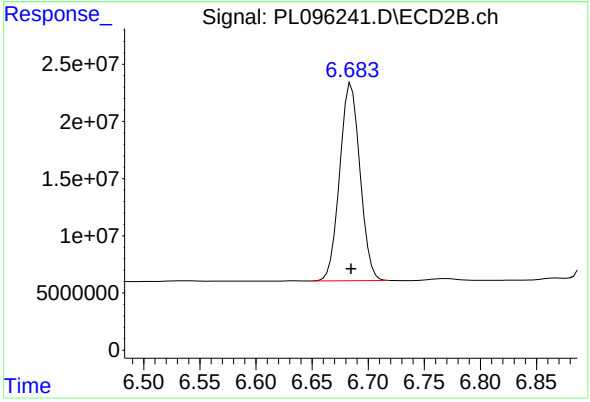
#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 405945824
Conc: 73.48 ng/ml



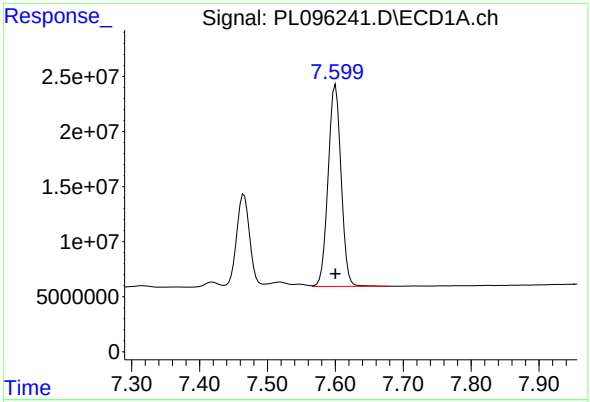
#20 Methoxychlor

R.T.: 7.465 min
Delta R.T.: 0.000 min
Response: 112371935
Conc: 74.03 ng/ml



#20 Methoxychlor

R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 216984559
Conc: 73.39 ng/ml



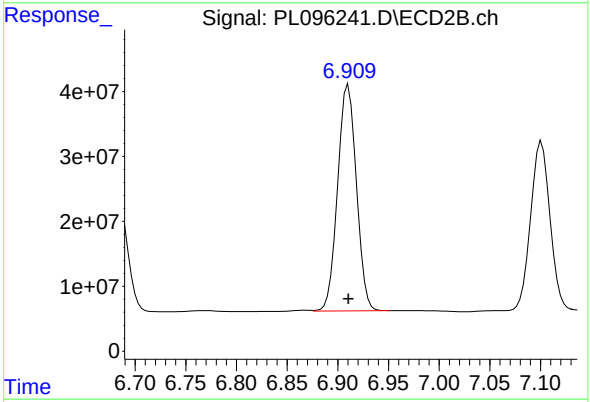
#21 Endrin ketone

R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 243303097
Conc: 73.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

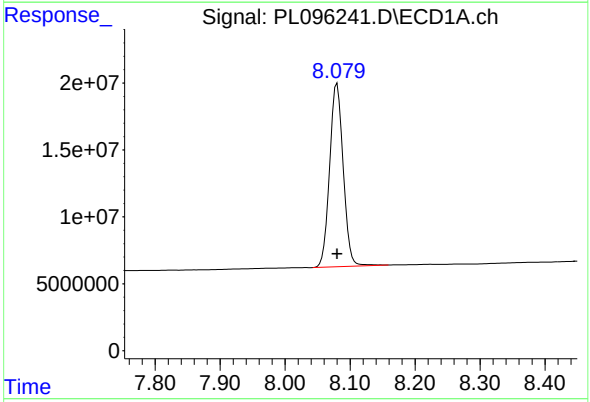
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



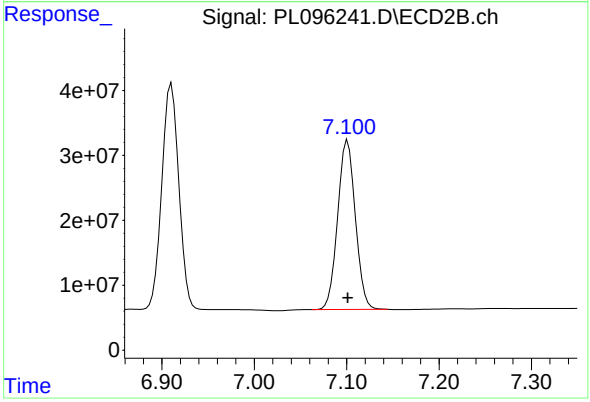
#21 Endrin ketone

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 448848951
Conc: 73.15 ng/ml



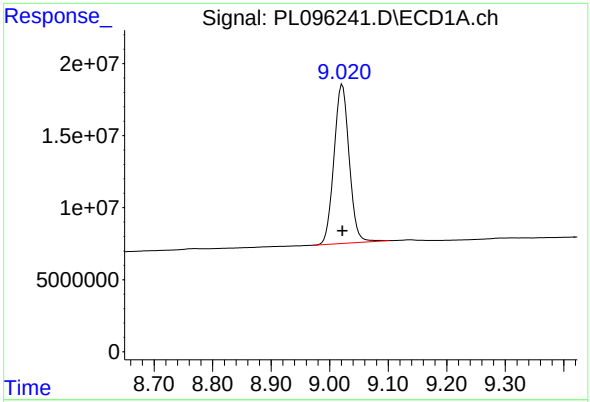
#22 Mirex

R.T.: 8.080 min
Delta R.T.: 0.000 min
Response: 198304993
Conc: 73.42 ng/ml



#22 Mirex

R.T.: 7.101 min
Delta R.T.: 0.000 min
Response: 347235656
Conc: 73.27 ng/ml



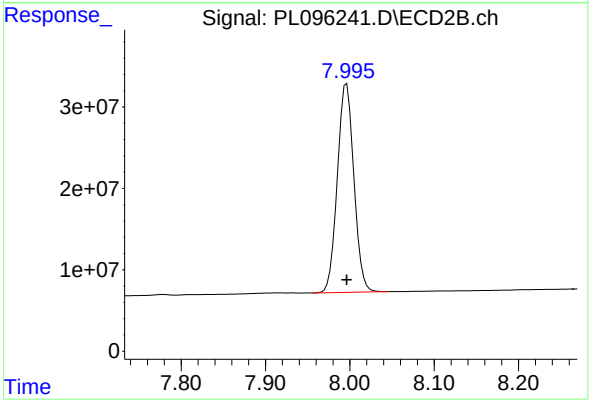
#28 Decachlorobiphenyl

R.T.: 9.022 min
Delta R.T.: 0.000 min
Response: 199505555
Conc: 73.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



#28 Decachlorobiphenyl

R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 349995776
Conc: 73.29 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096242.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:22
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:50:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.538	2.829	180.3E6	287.3E6	50.000	50.000
28)	SA Decachlor...	9.020	7.996	136.5E6	243.6E6	50.000	50.000
	Target Compounds						
2)	A alpha-BHC	3.985	3.335	261.0E6	429.2E6	50.000	50.000
3)	MA gamma-BHC...	4.313	3.667	250.2E6	398.1E6	50.000	50.000
4)	MA Heptachlor	4.906	4.017	225.0E6	383.3E6	50.000	50.000
5)	MB Aldrin	5.246	4.300	240.9E6	368.0E6	50.000	50.000
6)	B beta-BHC	4.499	3.963	102.1E6	169.4E6	50.000	50.000
7)	B delta-BHC	4.746	4.197	225.8E6	390.1E6	50.000	50.000
8)	B Heptachlo...	5.665	4.802	211.2E6	334.6E6	50.000	50.000
9)	A Endosulfan I	6.047	5.173	198.6E6	328.5E6	50.000	50.000
10)	B gamma-Chl...	5.919	5.054	220.5E6	348.9E6	50.000	50.000
11)	B alpha-Chl...	6.000	5.118	216.8E6	353.2E6	50.000	50.000
12)	B 4,4'-DDE	6.169	5.307	183.1E6	326.8E6	50.000	50.000
13)	MA Dieldrin	6.319	5.438	211.0E6	346.2E6	50.000	50.000
14)	MA Endrin	6.545	5.712	157.6E6	307.3E6	50.000	50.000
15)	B Endosulfa...	6.758	6.004	168.4E6	290.6E6	50.000	50.000
16)	A 4,4'-DDD	6.678	5.859	145.6E6	257.8E6	50.000	50.000
17)	MA 4,4'-DDT	6.992	6.112	150.7E6	289.6E6	50.000	50.000
18)	B Endrin al...	6.886	6.182	110.6E6	213.4E6	50.000	50.000
19)	B Endosulfa...	7.119	6.406	151.6E6	279.6E6	50.000	50.000
20)	A Methoxychlor	7.464	6.684	76763109	151.4E6	50.000	50.000
21)	B Endrin ke...	7.600	6.910	164.9E6	313.0E6	50.000	50.000
22)	Mirex	8.080	7.100	136.8E6	241.9E6	50.000	50.000

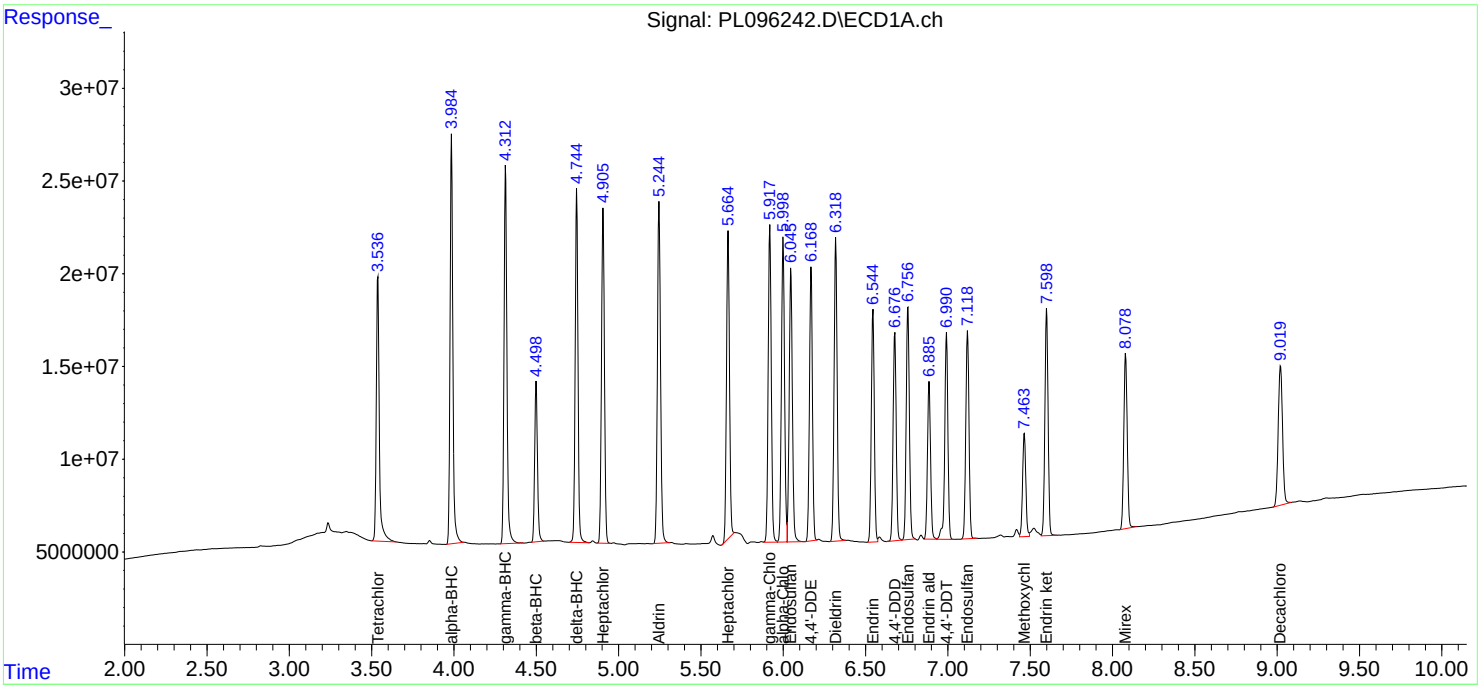
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

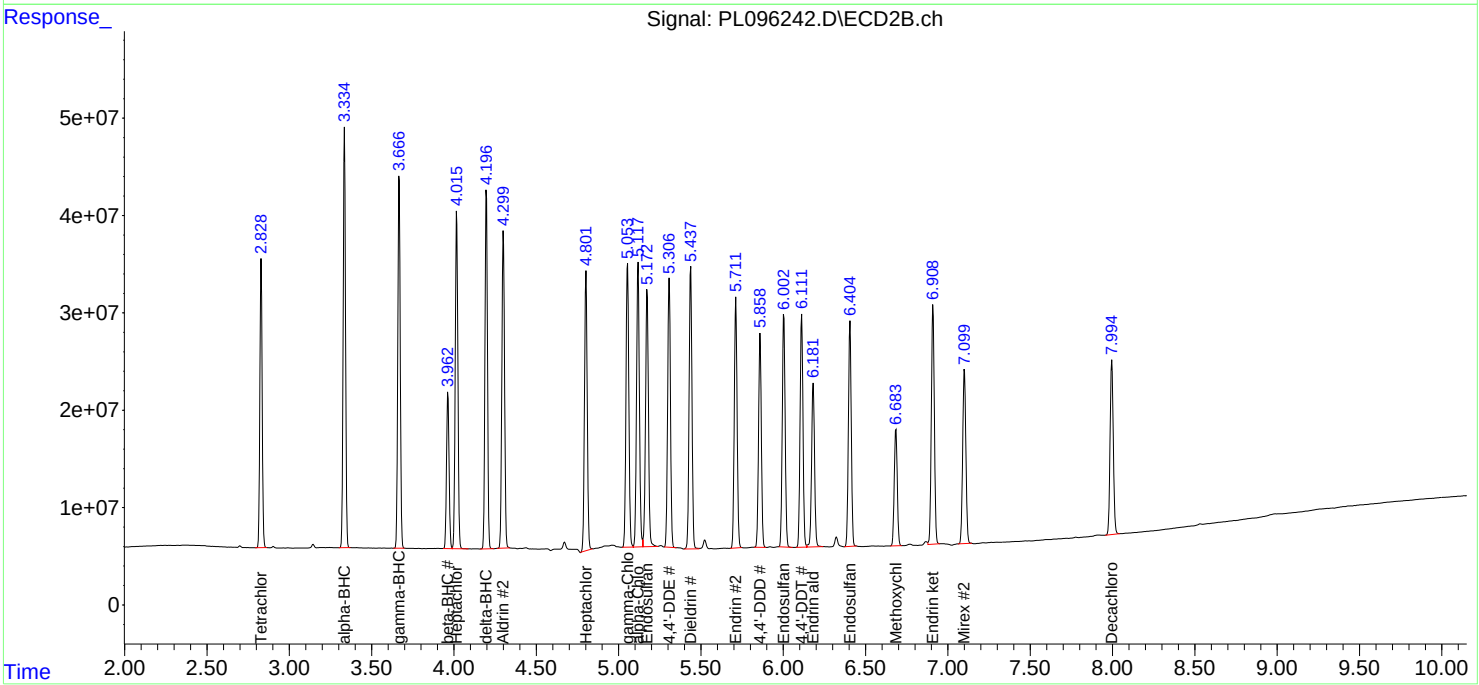
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096242.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:22
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

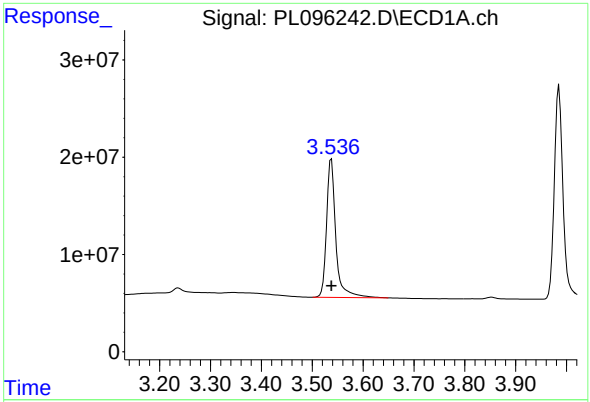
Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:50:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



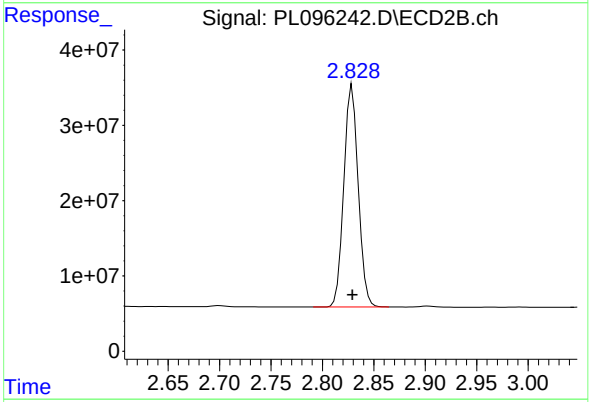




#1 Tetrachloro-m-xylene

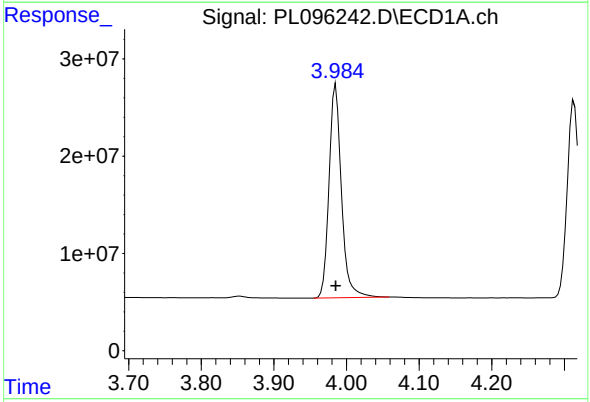
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 180340356
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



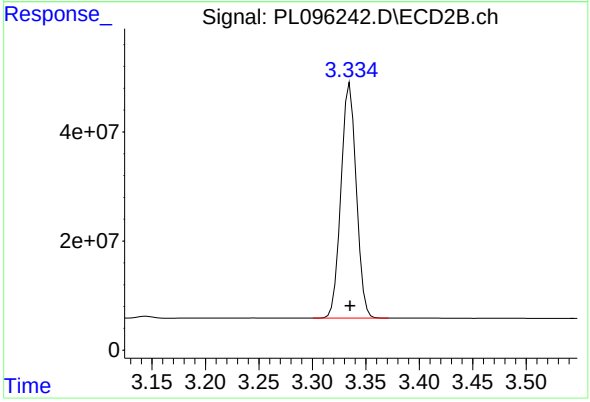
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 287304688
Conc: 50.00 ng/ml



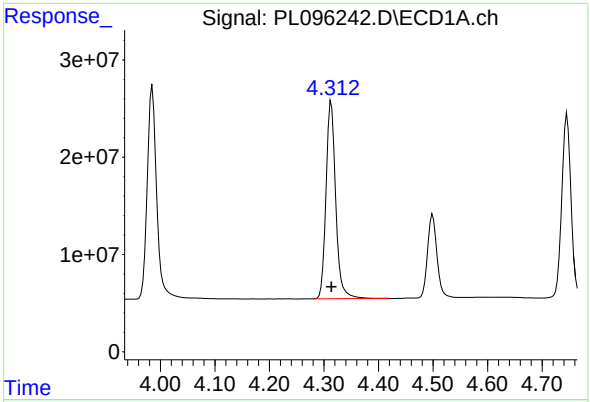
#2 alpha-BHC

R.T.: 3.985 min
Delta R.T.: 0.000 min
Response: 260958634
Conc: 50.00 ng/ml



#2 alpha-BHC

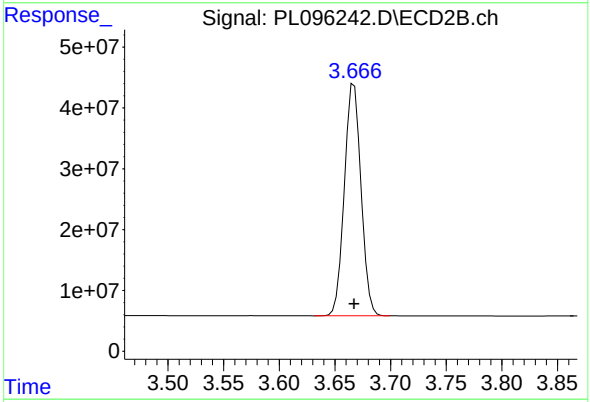
R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 429233594
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

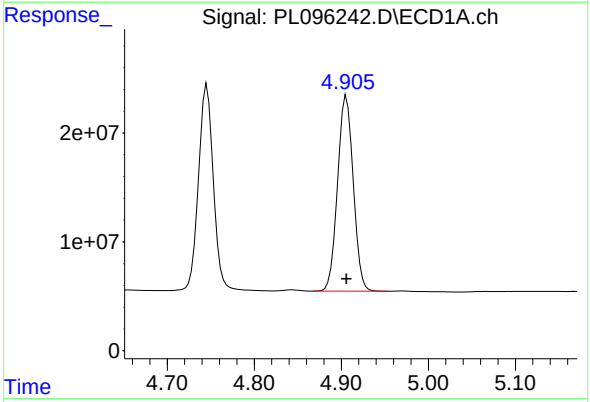
R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 250181430
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



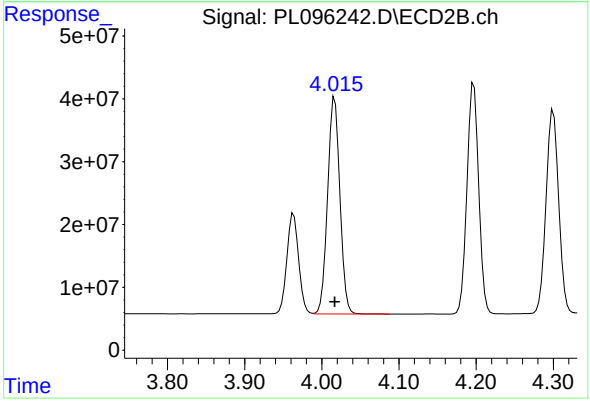
#3 gamma-BHC (Lindane)

R.T.: 3.667 min
Delta R.T.: 0.000 min
Response: 398064170
Conc: 50.00 ng/ml



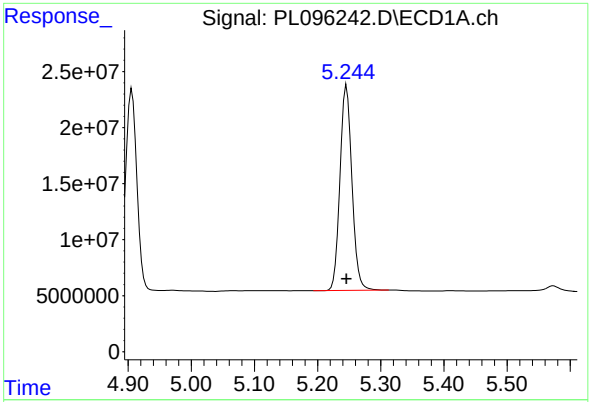
#4 Heptachlor

R.T.: 4.906 min
Delta R.T.: 0.000 min
Response: 225009035
Conc: 50.00 ng/ml



#4 Heptachlor

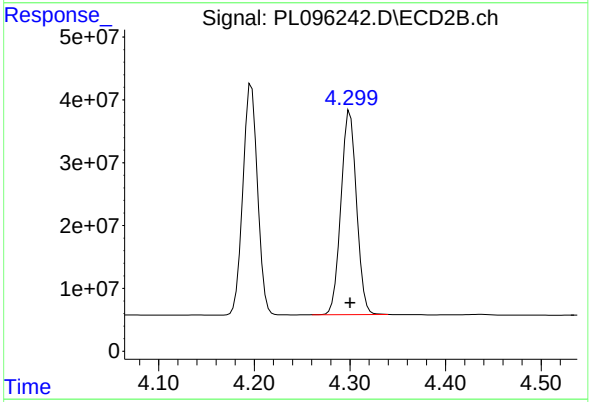
R.T.: 4.017 min
Delta R.T.: 0.000 min
Response: 383301991
Conc: 50.00 ng/ml



#5 Aldrin

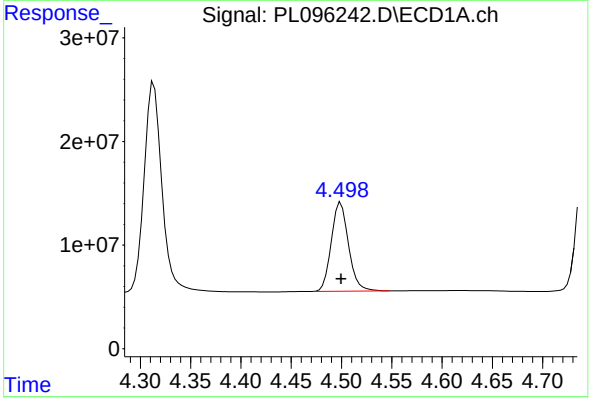
R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 240943248
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



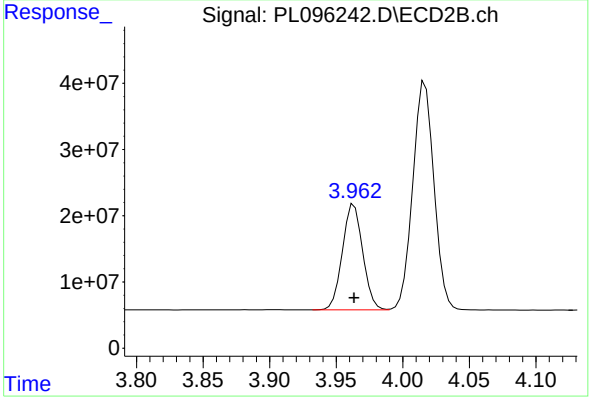
#5 Aldrin

R.T.: 4.300 min
Delta R.T.: 0.000 min
Response: 367963556
Conc: 50.00 ng/ml



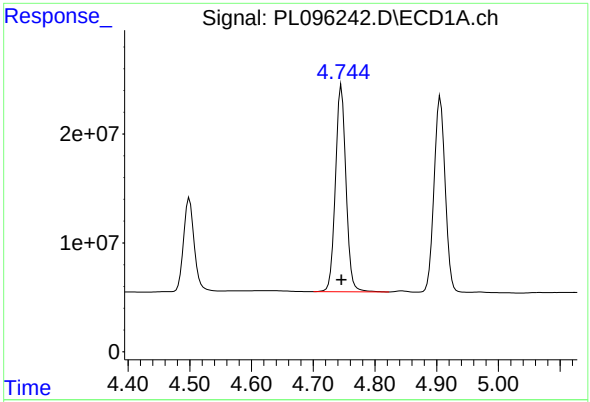
#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 102124337
Conc: 50.00 ng/ml



#6 beta-BHC

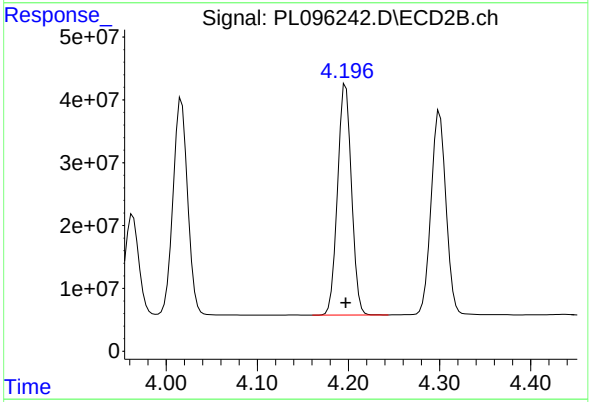
R.T.: 3.963 min
Delta R.T.: 0.000 min
Response: 169402024
Conc: 50.00 ng/ml



#7 delta-BHC

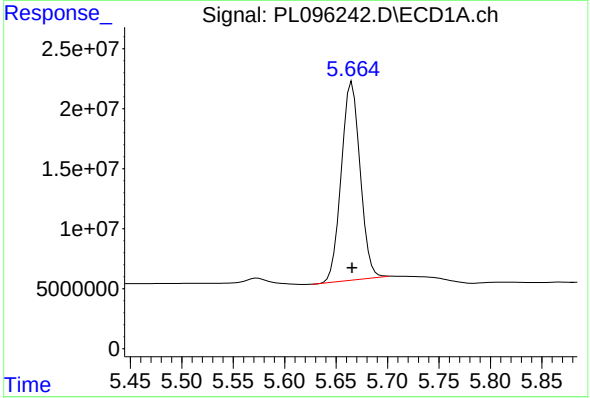
R.T.: 4.746 min
Delta R.T.: 0.000 min
Response: 225831214
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



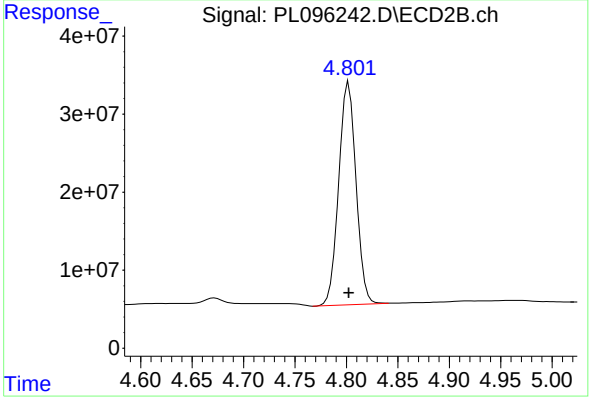
#7 delta-BHC

R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 390072704
Conc: 50.00 ng/ml



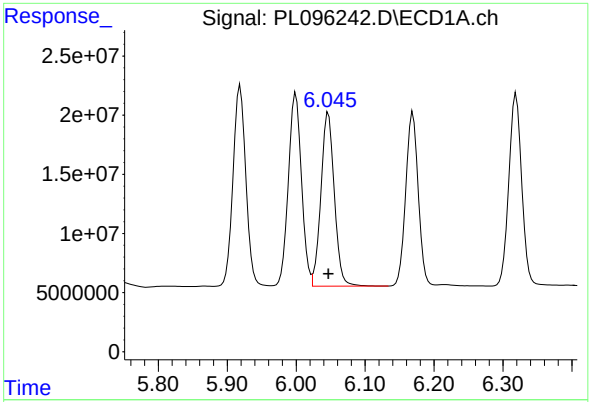
#8 Heptachlor epoxide

R.T.: 5.665 min
Delta R.T.: 0.000 min
Response: 211165413
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

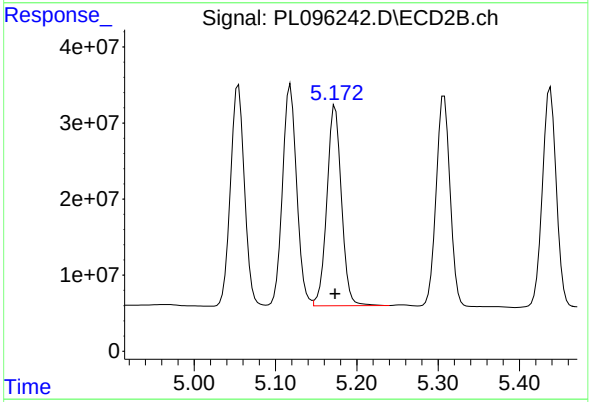
R.T.: 4.802 min
Delta R.T.: 0.000 min
Response: 334592538
Conc: 50.00 ng/ml



#9 Endosulfan I

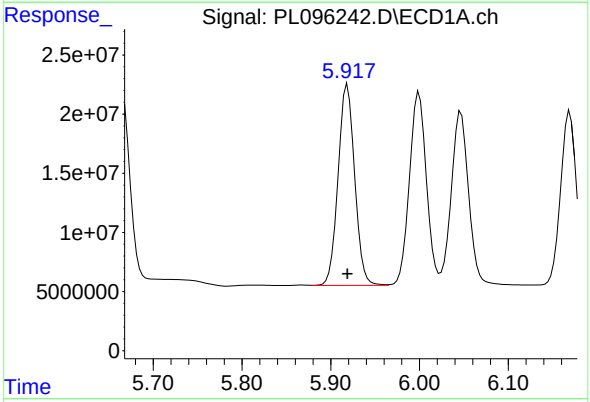
R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 198646842
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



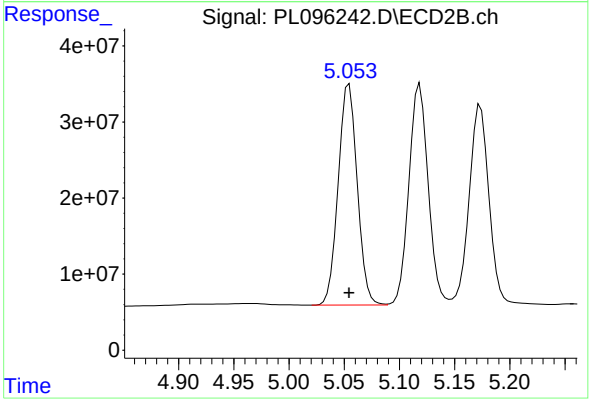
#9 Endosulfan I

R.T.: 5.173 min
Delta R.T.: 0.000 min
Response: 328477286
Conc: 50.00 ng/ml



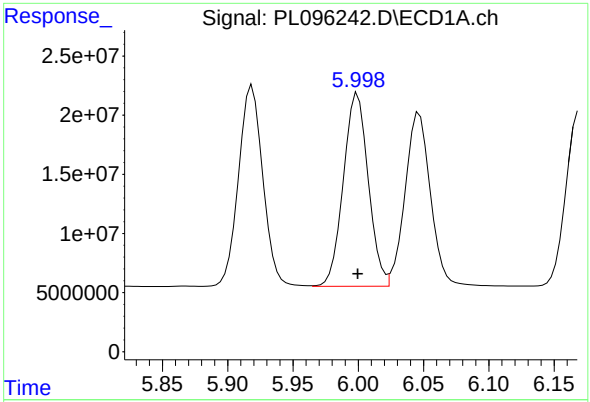
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 220489591
Conc: 50.00 ng/ml



#10 gamma-Chlordane

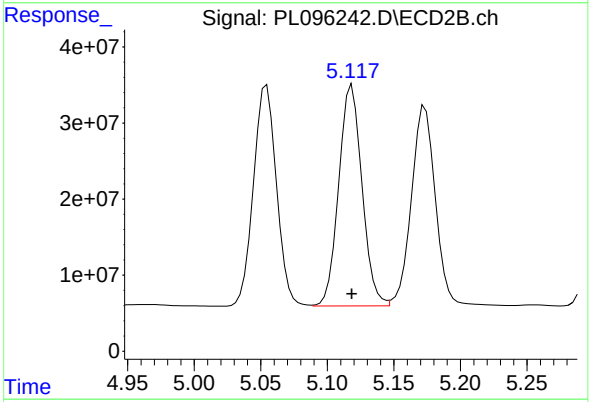
R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 348940053
Conc: 50.00 ng/ml



#11 alpha-Chlordane

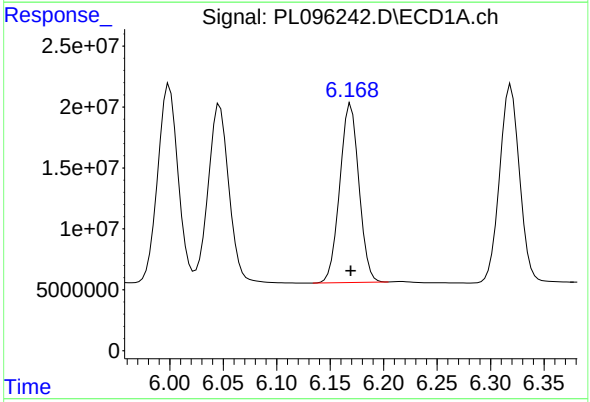
R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 216813787
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



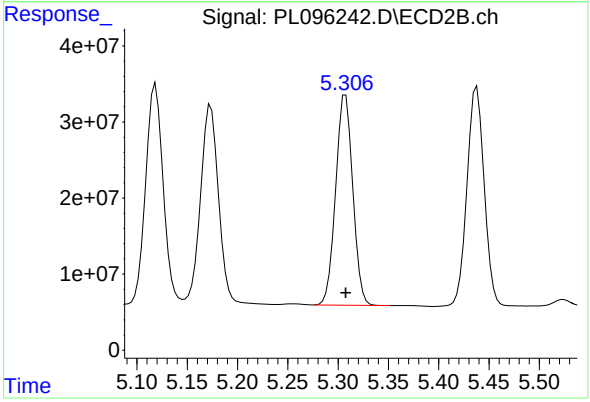
#11 alpha-Chlordane

R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 353238194
Conc: 50.00 ng/ml



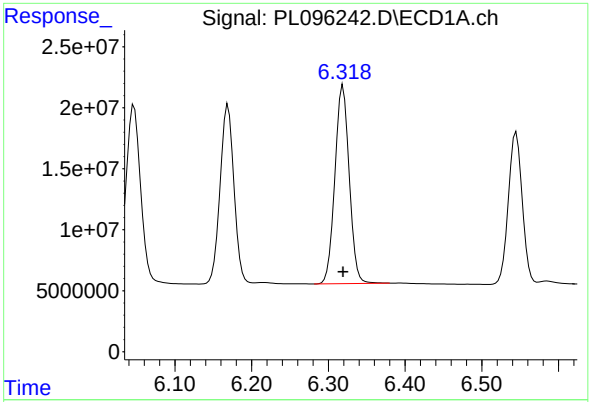
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 183079540
Conc: 50.00 ng/ml



#12 4,4'-DDE

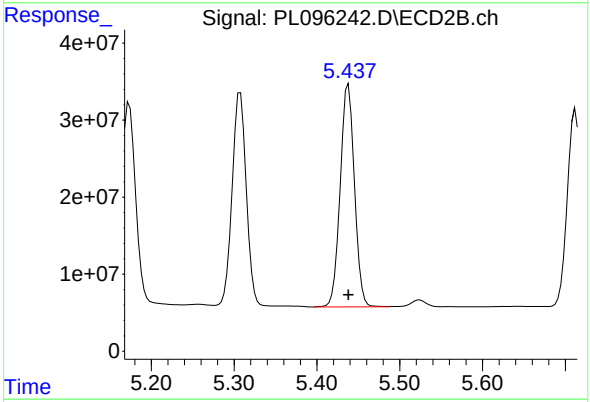
R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 326837554
Conc: 50.00 ng/ml



#13 Dieldrin

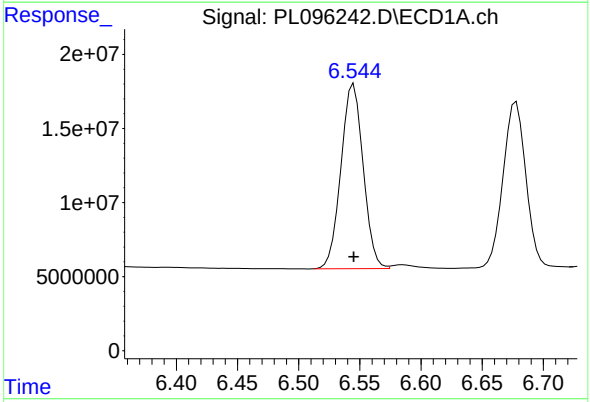
R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 211016119
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



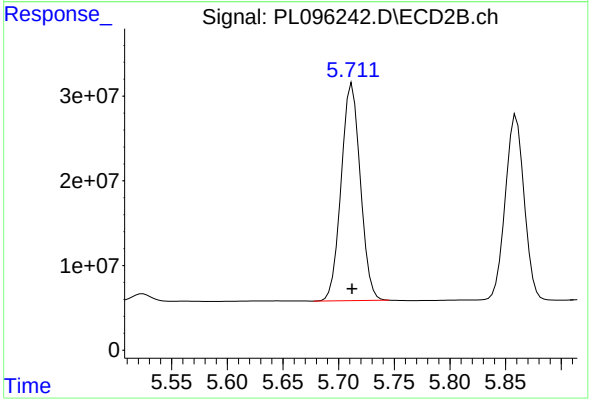
#13 Dieldrin

R.T.: 5.438 min
Delta R.T.: 0.000 min
Response: 346243637
Conc: 50.00 ng/ml



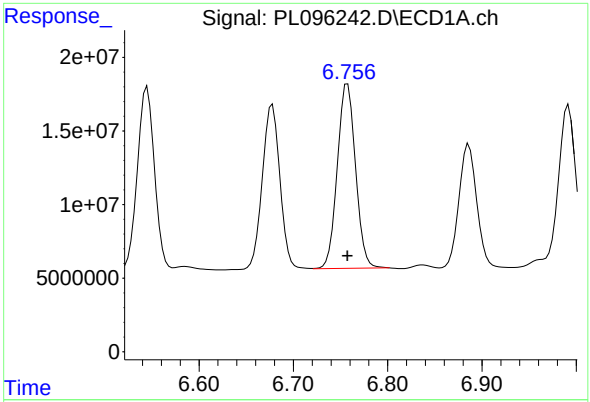
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 157614725
Conc: 50.00 ng/ml



#14 Endrin

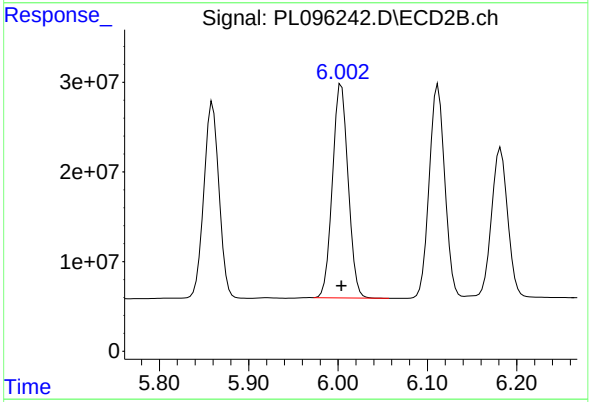
R.T.: 5.712 min
Delta R.T.: 0.000 min
Response: 307294613
Conc: 50.00 ng/ml



#15 Endosulfan II

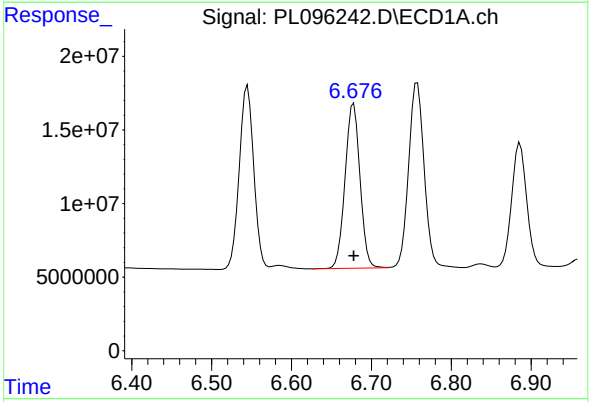
R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 168435403
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



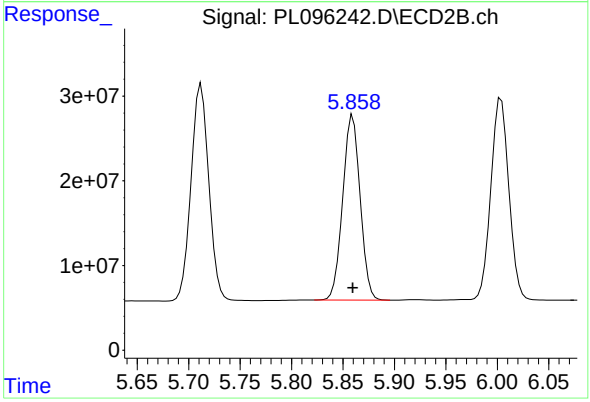
#15 Endosulfan II

R.T.: 6.004 min
Delta R.T.: 0.000 min
Response: 290618254
Conc: 50.00 ng/ml



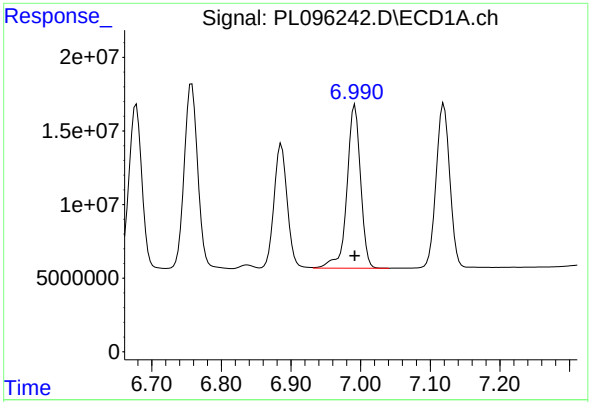
#16 4,4'-DDD

R.T.: 6.678 min
Delta R.T.: 0.000 min
Response: 145600204
Conc: 50.00 ng/ml



#16 4,4'-DDD

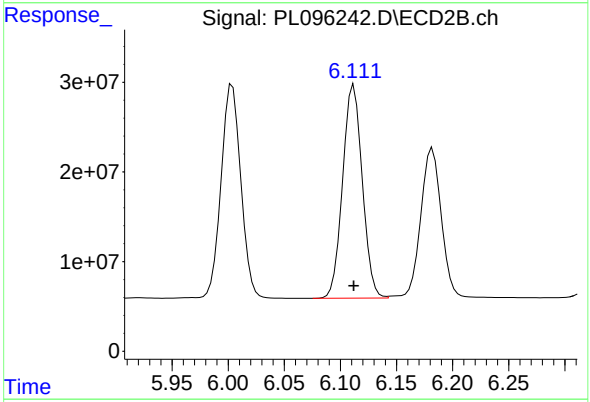
R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 257773489
Conc: 50.00 ng/ml



#17 4,4'-DDT

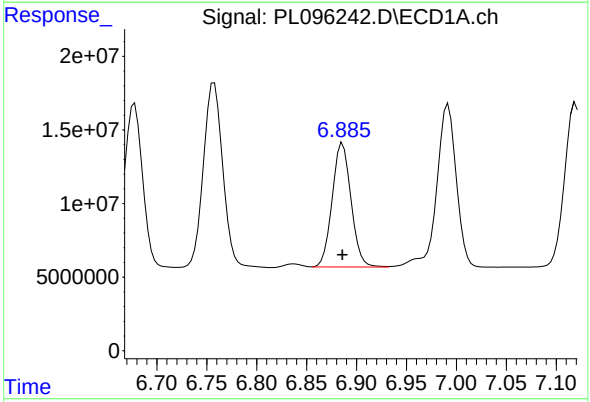
R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 150692866
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



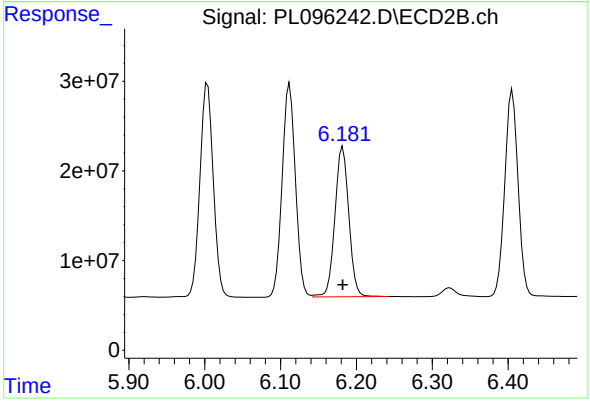
#17 4,4'-DDT

R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 289593562
Conc: 50.00 ng/ml



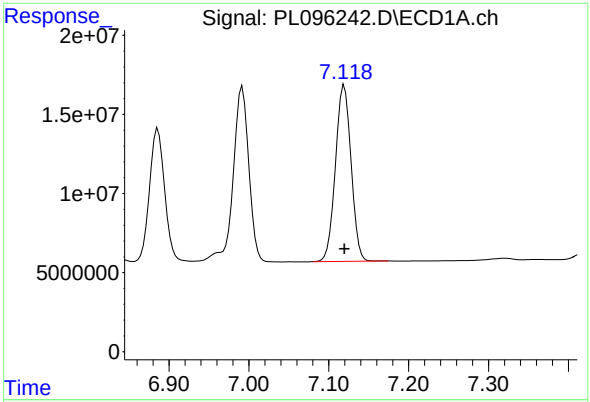
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 110588769
Conc: 50.00 ng/ml



#18 Endrin aldehyde

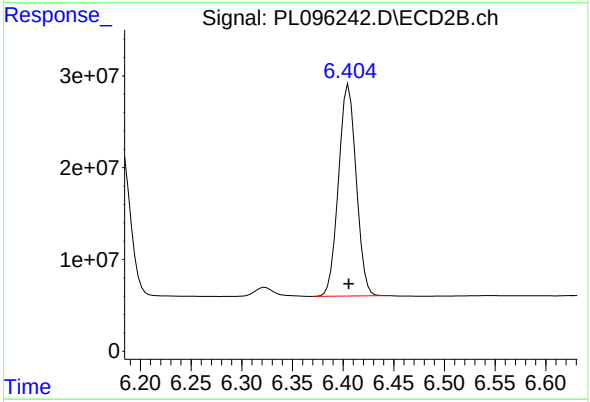
R.T.: 6.182 min
Delta R.T.: 0.000 min
Response: 213381691
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

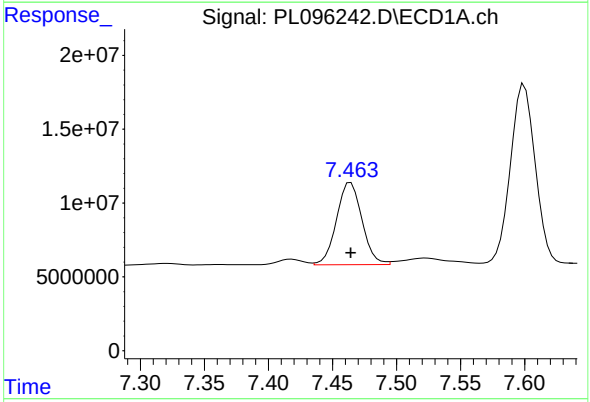
R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 151554718
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



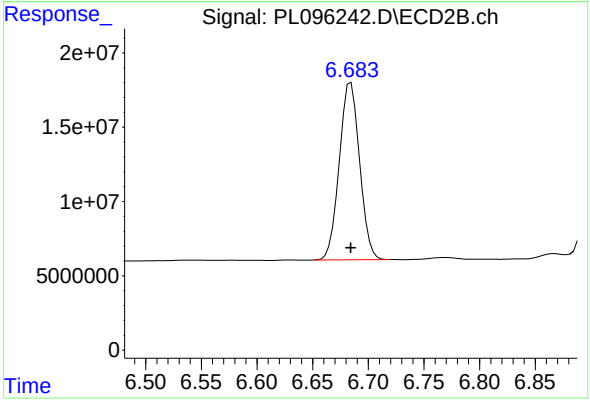
#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 279591776
Conc: 50.00 ng/ml



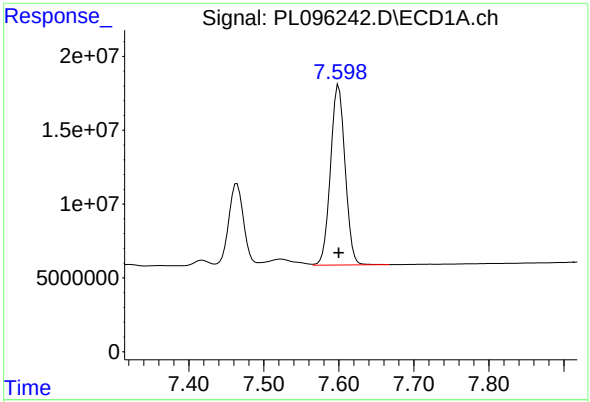
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 76763109
Conc: 50.00 ng/ml



#20 Methoxychlor

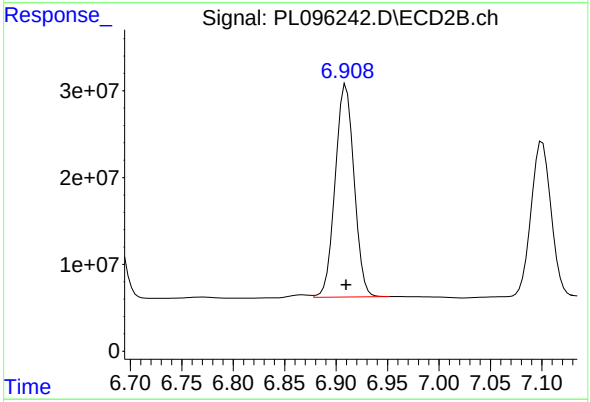
R.T.: 6.684 min
Delta R.T.: 0.000 min
Response: 151388159
Conc: 50.00 ng/ml



#21 Endrin ketone

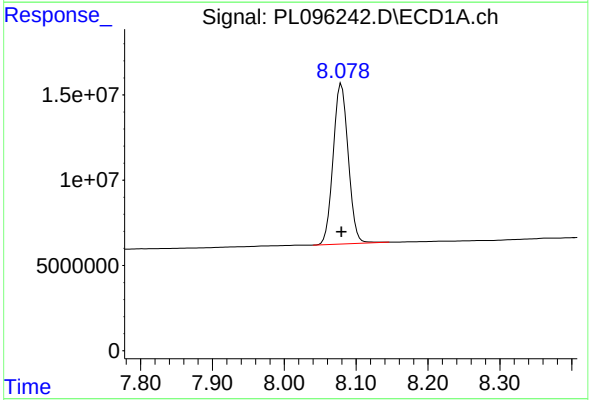
R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 164944167
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



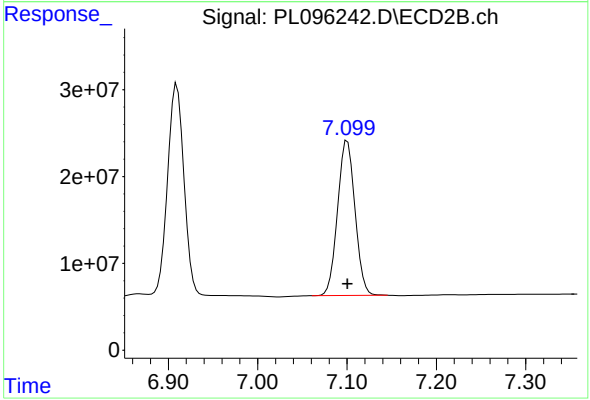
#21 Endrin ketone

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 313023983
Conc: 50.00 ng/ml



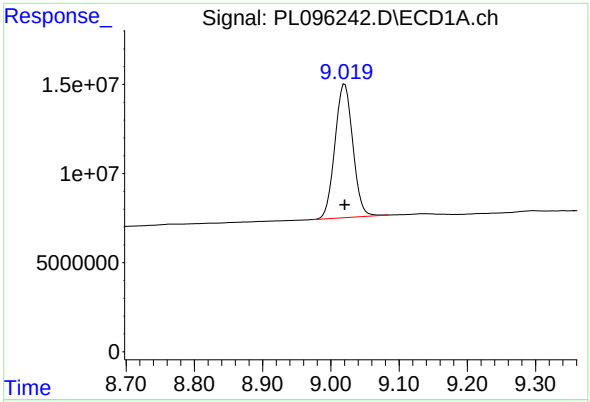
#22 Mirex

R.T.: 8.080 min
Delta R.T.: 0.000 min
Response: 136781602
Conc: 50.00 ng/ml



#22 Mirex

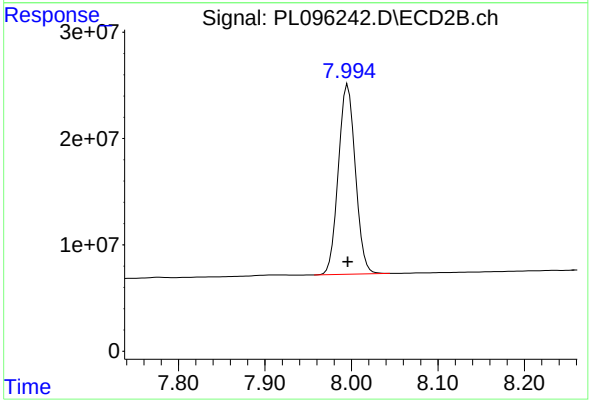
R.T.: 7.100 min
Delta R.T.: 0.000 min
Response: 241930143
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 136486709
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 243608962
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096243.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:36
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:57:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.537	2.828	91131135	145.0E6	25.245	25.362
28)	SA Decachlor...	9.020	7.996	71001314	127.1E6	25.902	26.196
	Target Compounds						
2)	A alpha-BHC	3.985	3.335	124.9E6	209.0E6	23.704	24.437
3)	MA gamma-BHC...	4.313	3.667	121.8E6	196.4E6	24.252	24.753
4)	MA Heptachlor	4.905	4.017	112.0E6	191.7E6	24.741	25.225
5)	MB Aldrin	5.245	4.300	118.7E6	181.9E6	24.473	24.847
6)	B beta-BHC	4.499	3.964	51593189	86999189	25.201	25.864
7)	B delta-BHC	4.745	4.197	108.7E6	191.5E6	23.913	24.613
8)	B Heptachlo...	5.665	4.802	104.3E6	168.1E6	24.584	25.416
9)	A Endosulfan I	6.046	5.173	99024442	177.3E6	24.815	26.919
10)	B gamma-Chl...	5.919	5.054	109.4E6	174.8E6	24.768	24.989
11)	B alpha-Chl...	5.999	5.119	108.7E6	184.0E6	24.999	25.915
12)	B 4,4'-DDE	6.169	5.307	89563798	160.3E6	24.087	24.561
13)	MA Dieldrin	6.319	5.438	103.8E6	170.6E6	24.502	24.937
14)	MA Endrin	6.545	5.712	75881870	152.6E6	24.162	25.028
15)	B Endosulfa...	6.757	6.003	85668436	147.4E6	25.329	25.399m
16)	A 4,4'-DDD	6.677	5.859	71650668	132.2E6	24.600	25.187
17)	MA 4,4'-DDT	6.992	6.113	74288680	143.0E6	24.465	24.753
18)	B Endrin al...	6.886	6.182	55834732	113.1E6	25.291	26.639
19)	B Endosulfa...	7.119	6.406	75807591	141.9E6	24.844	25.508
20)	A Methoxychlor	7.464	6.684	39522332	77835403	25.770	25.981
21)	B Endrin ke...	7.599	6.909	82764438	158.8E6	25.035	25.653
22)	Mirex	8.079	7.101	70613541	126.1E6	25.849	26.192

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

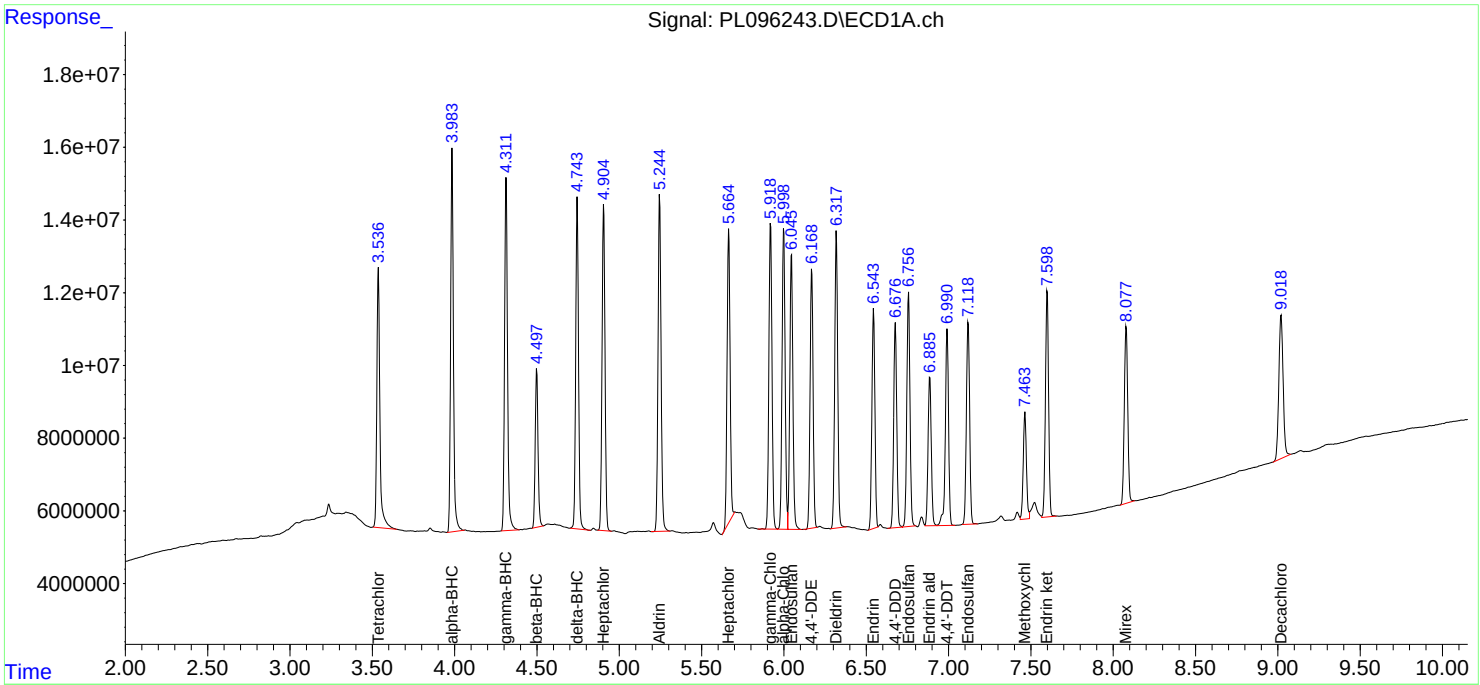
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096243.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:36
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

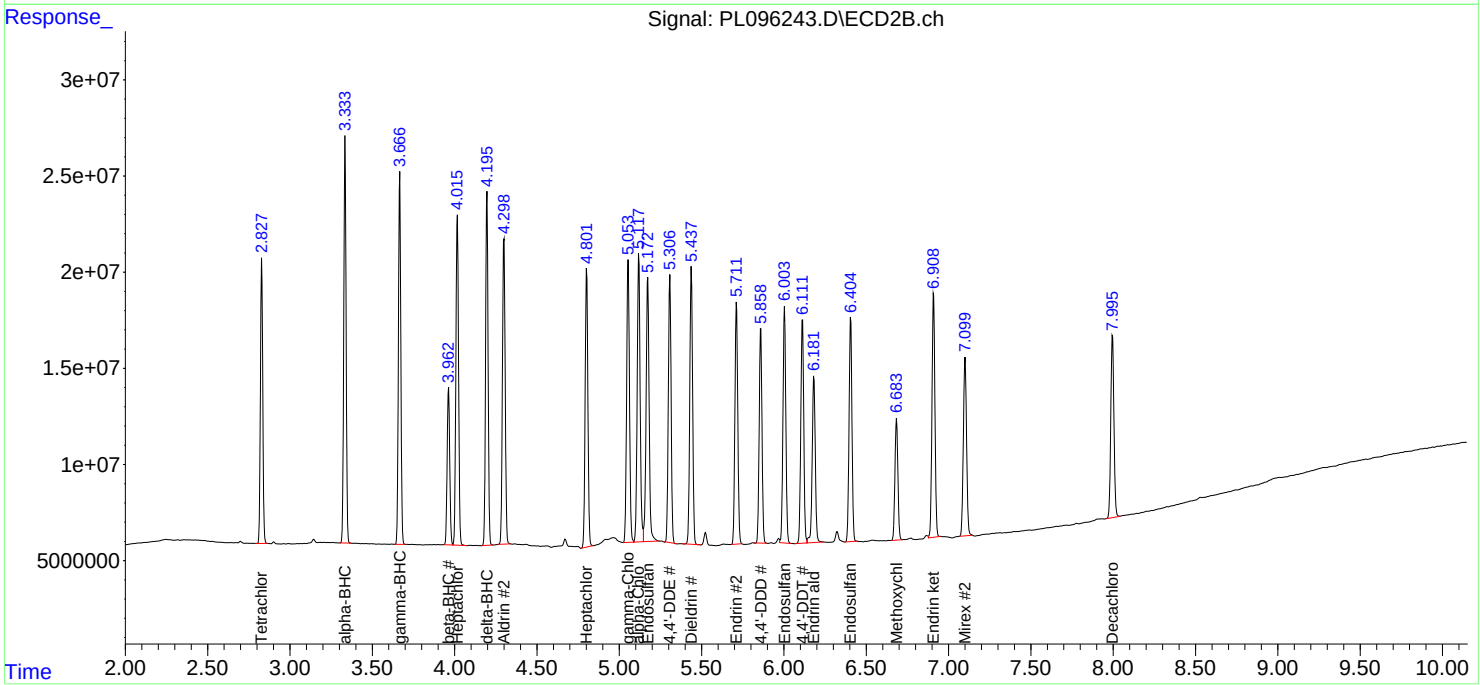
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

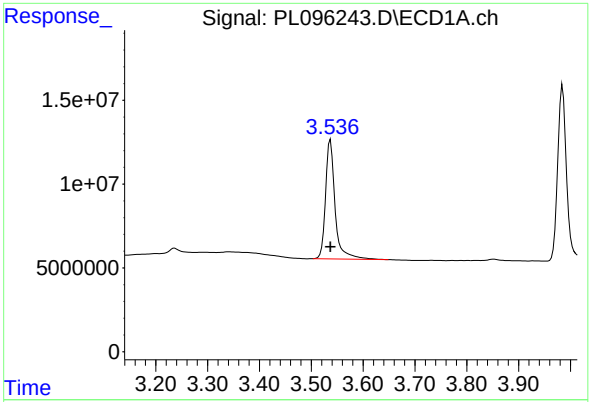
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:57:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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







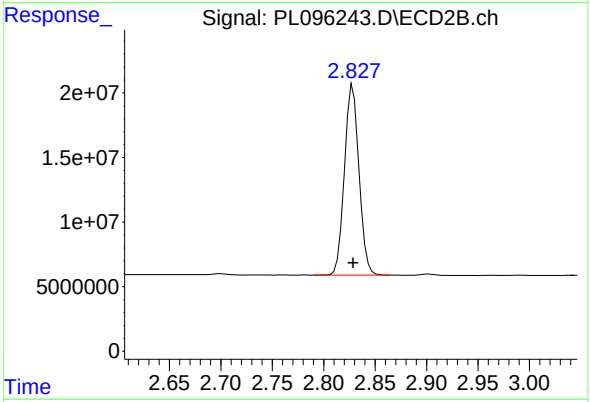
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 91131135
Conc: 25.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

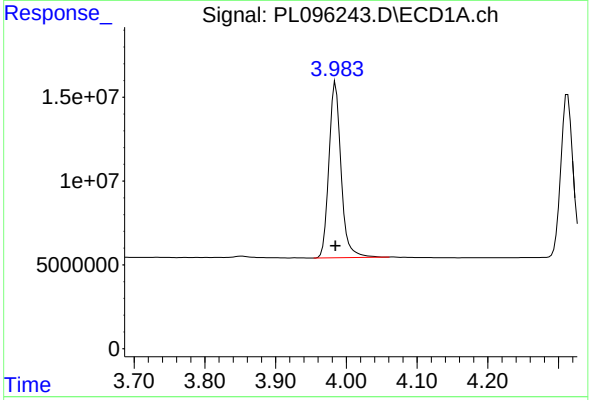
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



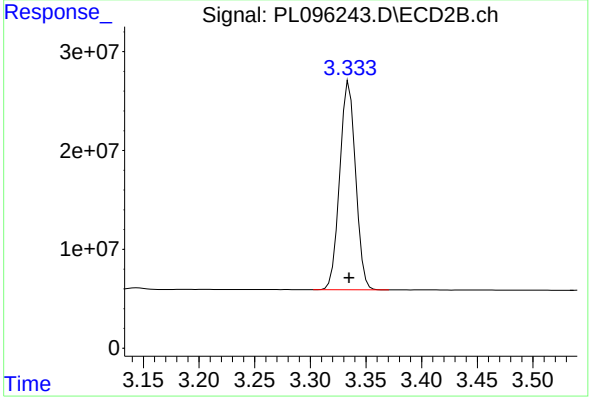
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 144981590
Conc: 25.36 ng/ml



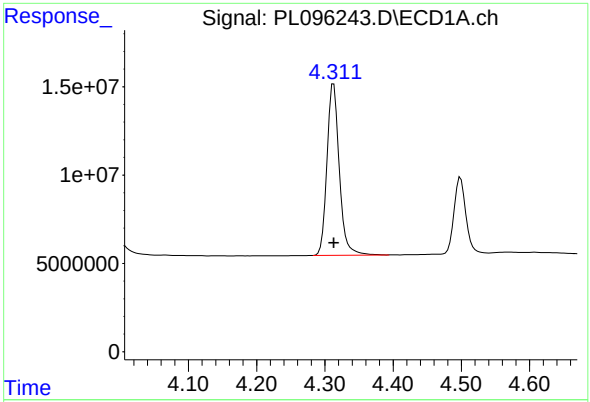
#2 alpha-BHC

R.T.: 3.985 min
Delta R.T.: 0.000 min
Response: 124855148
Conc: 23.70 ng/ml



#2 alpha-BHC

R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 209014460
Conc: 24.44 ng/ml



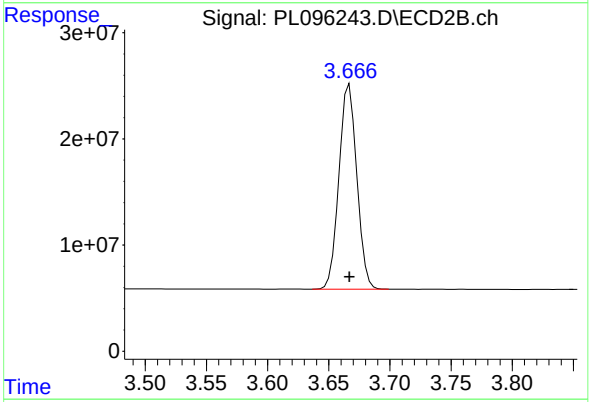
#3 gamma-BHC (Lindane)

R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 121811219
Conc: 24.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

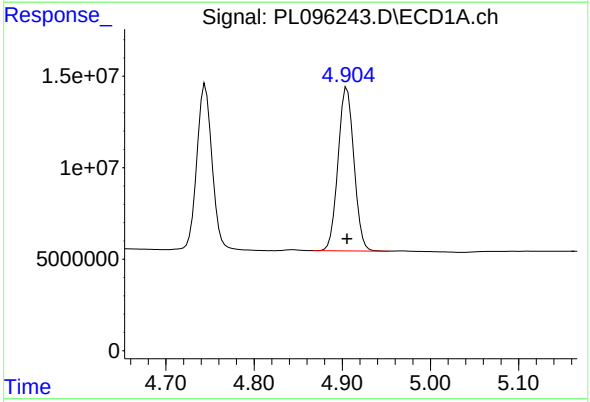
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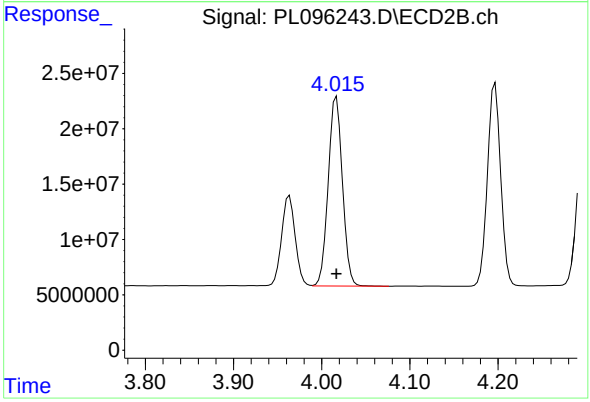
#3 gamma-BHC (Lindane)

R.T.: 3.667 min
Delta R.T.: 0.000 min
Response: 196372971
Conc: 24.75 ng/ml



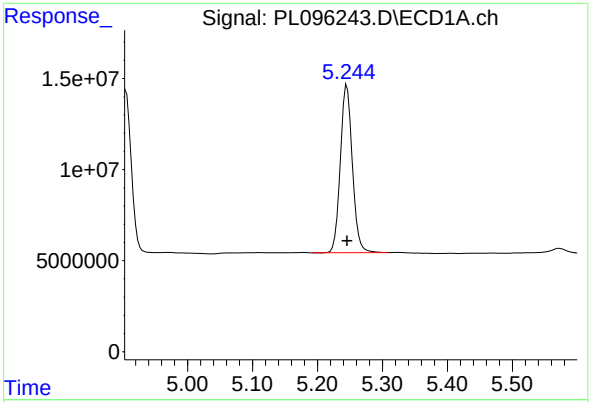
#4 Heptachlor

R.T.: 4.905 min
Delta R.T.: 0.000 min
Response: 111978235
Conc: 24.74 ng/ml



#4 Heptachlor

R.T.: 4.017 min
Delta R.T.: 0.000 min
Response: 191680190
Conc: 25.22 ng/ml



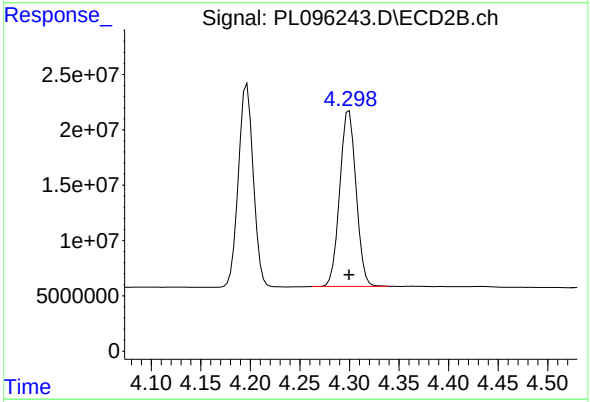
#5 Aldrin

R.T.: 5.245 min
Delta R.T.: 0.000 min
Response: 118683013
Conc: 24.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

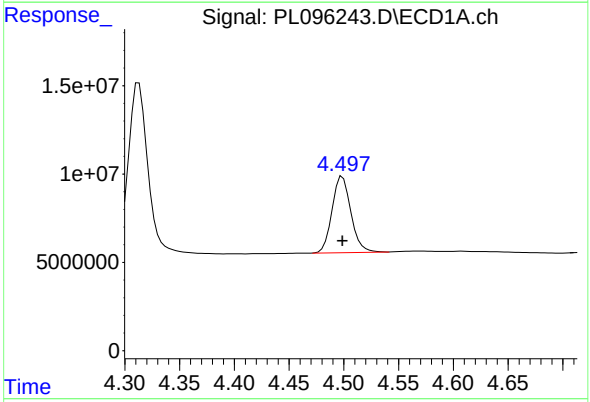
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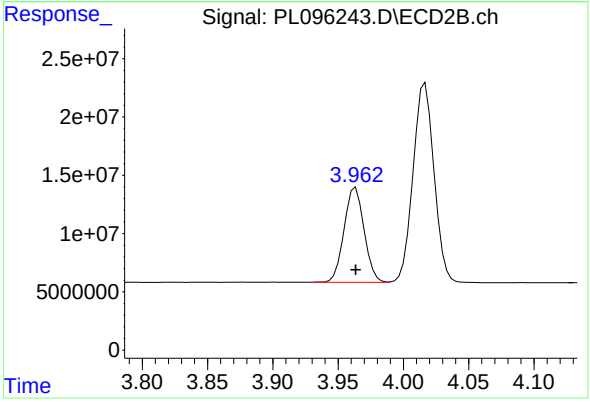
#5 Aldrin

R.T.: 4.300 min
Delta R.T.: 0.000 min
Response: 181901551
Conc: 24.85 ng/ml



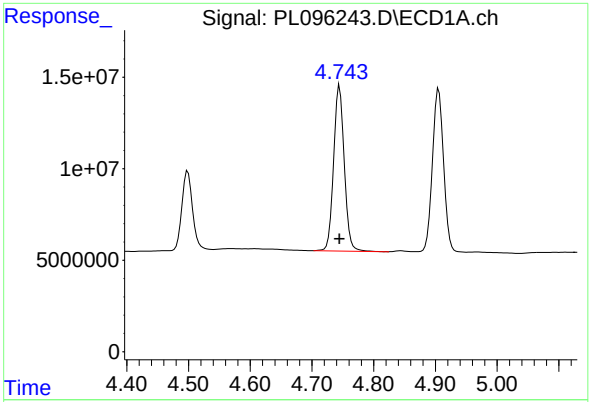
#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 51593189
Conc: 25.20 ng/ml



#6 beta-BHC

R.T.: 3.964 min
Delta R.T.: 0.000 min
Response: 86999189
Conc: 25.86 ng/ml



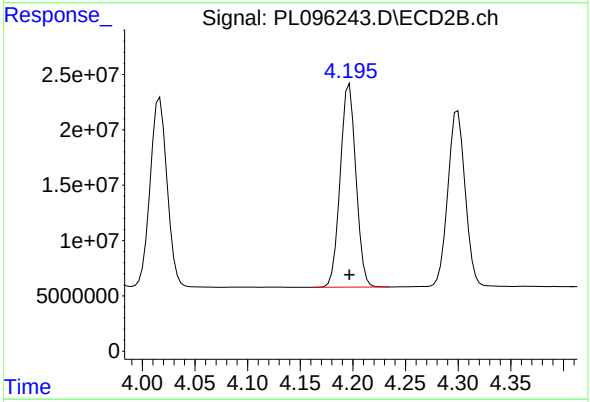
#7 delta-BHC

R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 108668725
Conc: 23.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

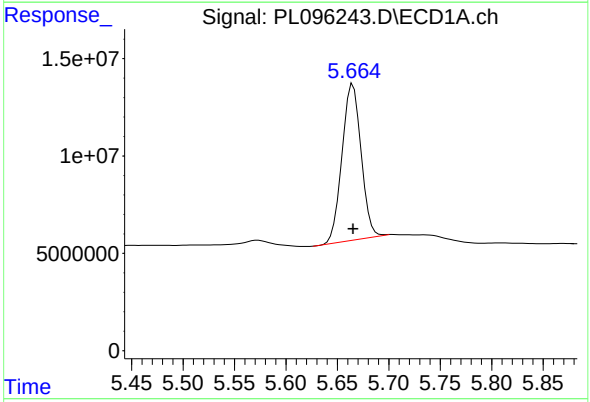
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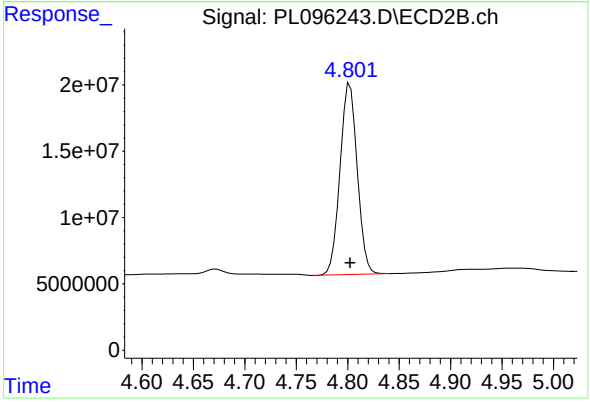
#7 delta-BHC

R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 191489716
Conc: 24.61 ng/ml



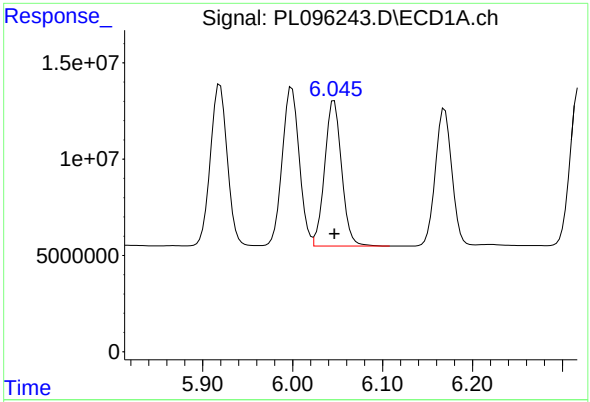
#8 Heptachlor epoxide

R.T.: 5.665 min
Delta R.T.: 0.000 min
Response: 104327998
Conc: 24.58 ng/ml



#8 Heptachlor epoxide

R.T.: 4.802 min
Delta R.T.: 0.000 min
Response: 168101653
Conc: 25.42 ng/ml



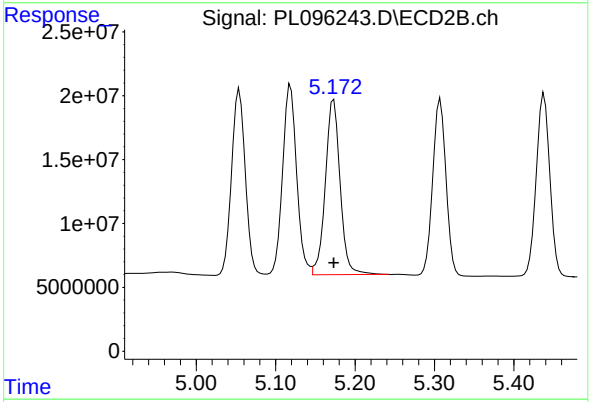
#9 Endosulfan I

R.T.: 6.046 min
Delta R.T.: 0.000 min
Response: 99024442
Conc: 24.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

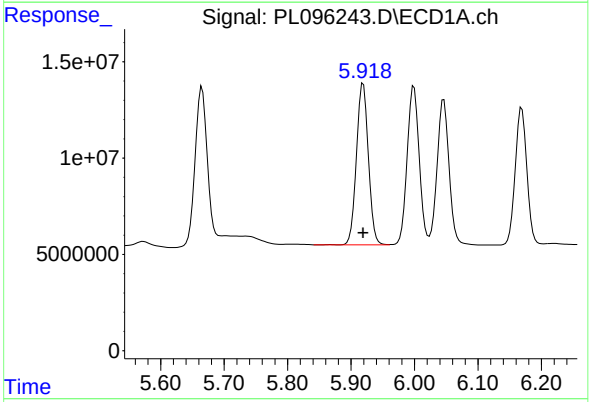
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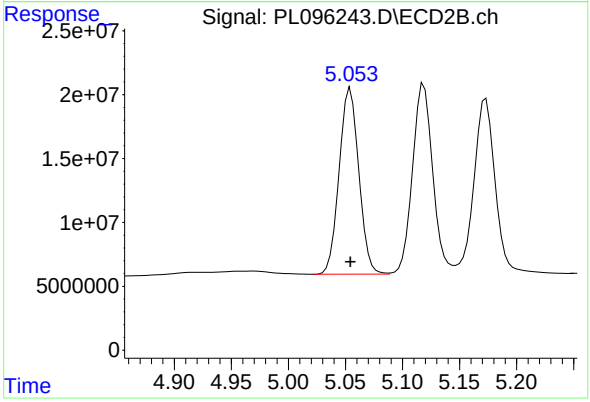
#9 Endosulfan I

R.T.: 5.173 min
Delta R.T.: 0.000 min
Response: 177299742
Conc: 26.92 ng/ml



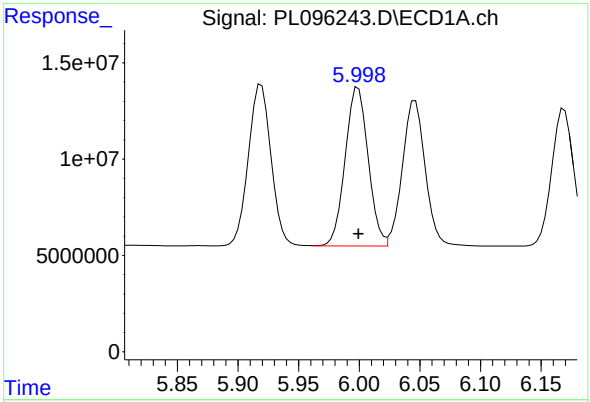
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 109411861
Conc: 24.77 ng/ml



#10 gamma-Chlordane

R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 174783686
Conc: 24.99 ng/ml



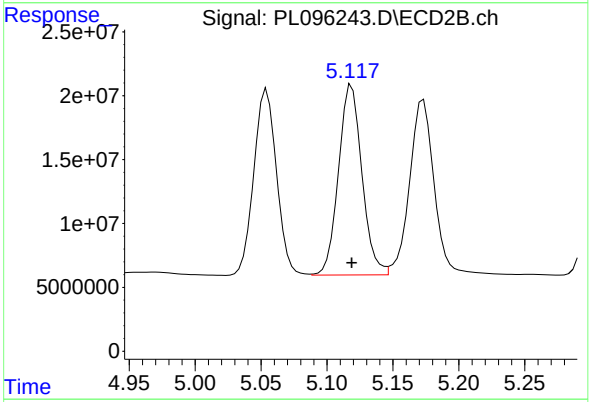
#11 alpha-Chlordane

R.T.: 5.999 min
Delta R.T.: 0.000 min
Response: 108663198
Conc: 25.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

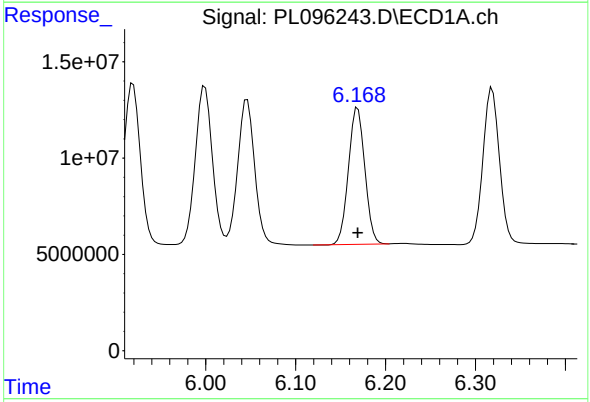
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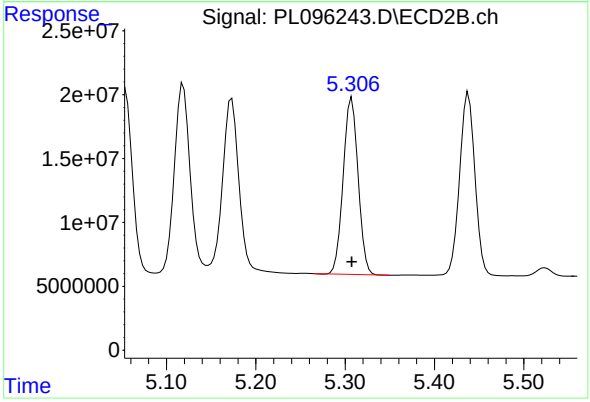
#11 alpha-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 184049107
Conc: 25.92 ng/ml



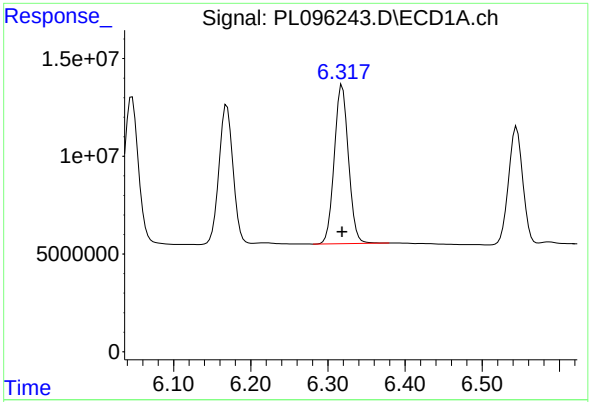
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 89563798
Conc: 24.09 ng/ml



#12 4,4'-DDE

R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 160286767
Conc: 24.56 ng/ml



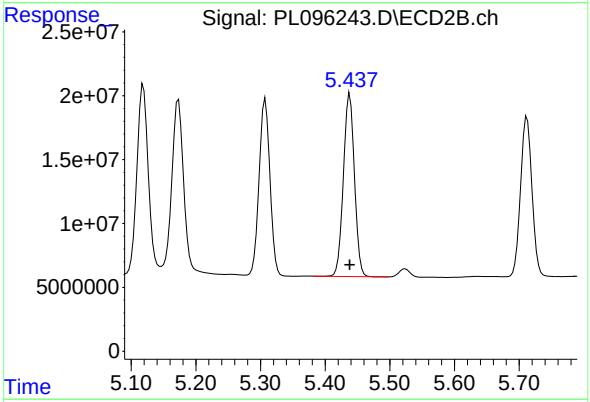
#13 Dieldrin

R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 103826097
Conc: 24.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

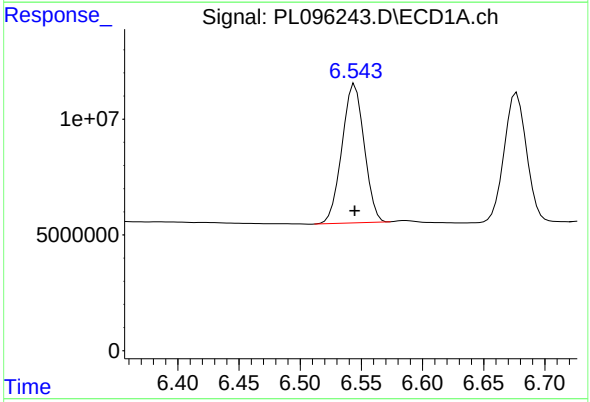
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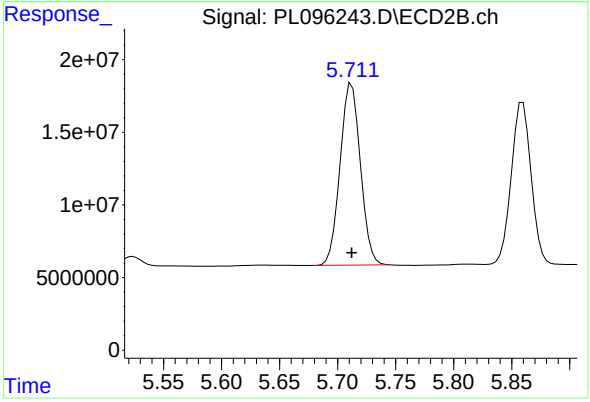
#13 Dieldrin

R.T.: 5.438 min
Delta R.T.: 0.000 min
Response: 170622291
Conc: 24.94 ng/ml



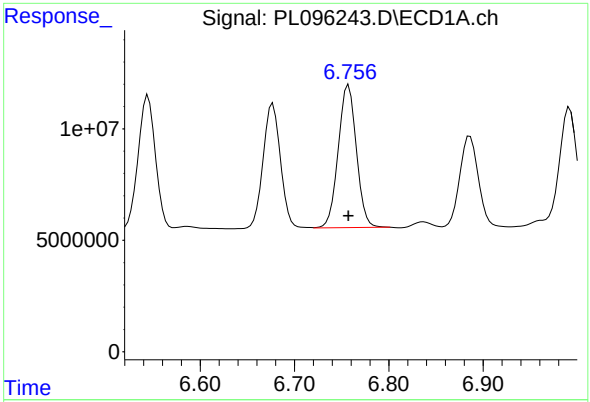
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 75881870
Conc: 24.16 ng/ml



#14 Endrin

R.T.: 5.712 min
Delta R.T.: 0.000 min
Response: 152630829
Conc: 25.03 ng/ml



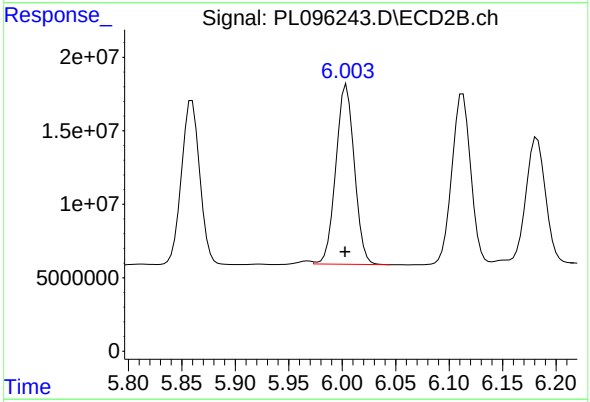
#15 Endosulfan II

R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 85668436
Conc: 25.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

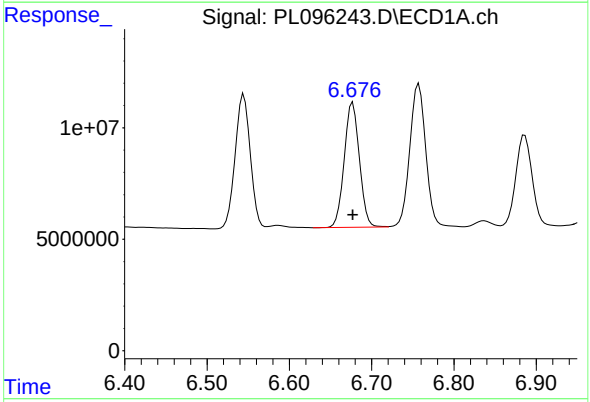
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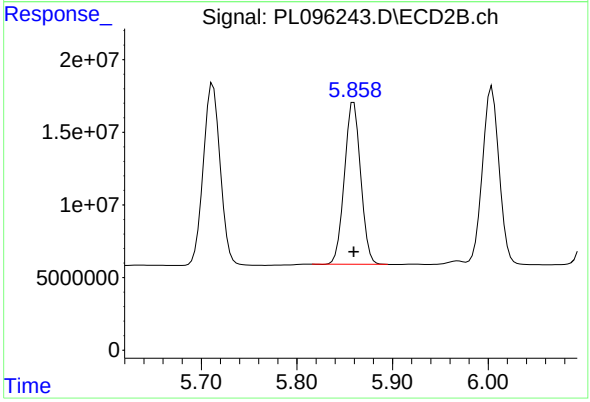
#15 Endosulfan II

R.T.: 6.003 min
Delta R.T.: 0.000 min
Response: 147444785
Conc: 25.40 ng/ml m



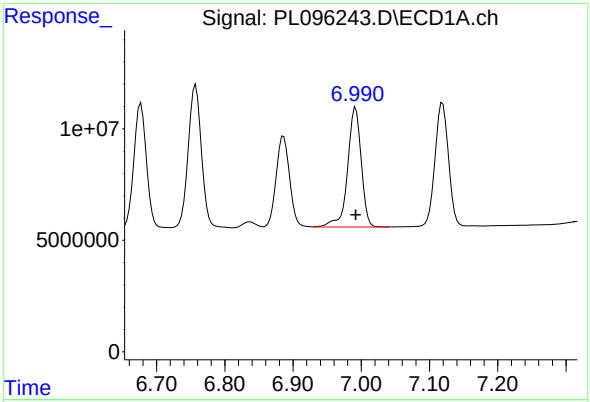
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 71650668
Conc: 24.60 ng/ml



#16 4,4'-DDD

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 132181861
Conc: 25.19 ng/ml



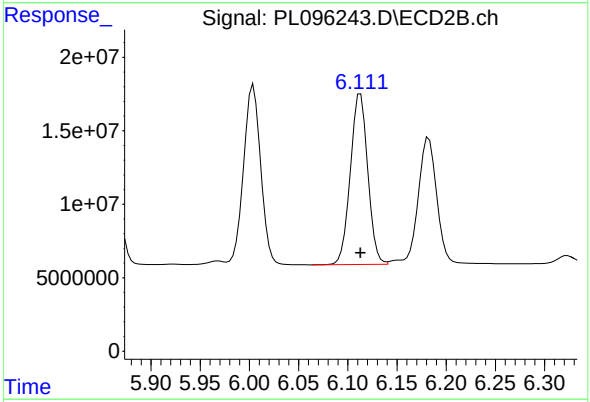
#17 4,4'-DDT

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 74288680
Conc: 24.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

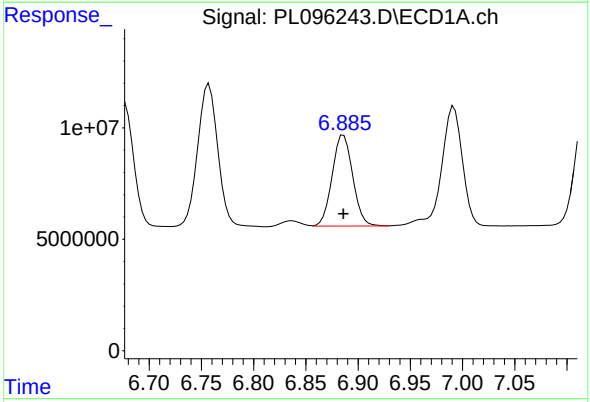
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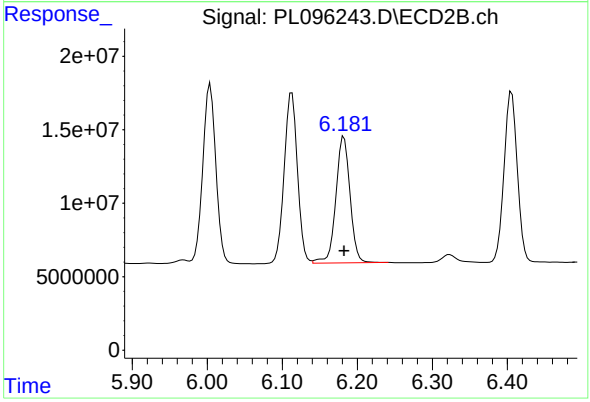
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 143037007
Conc: 24.75 ng/ml



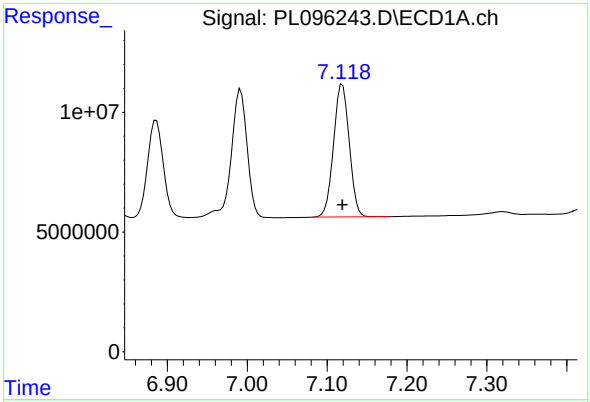
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 55834732
Conc: 25.29 ng/ml



#18 Endrin aldehyde

R.T.: 6.182 min
Delta R.T.: 0.000 min
Response: 113086713
Conc: 26.64 ng/ml



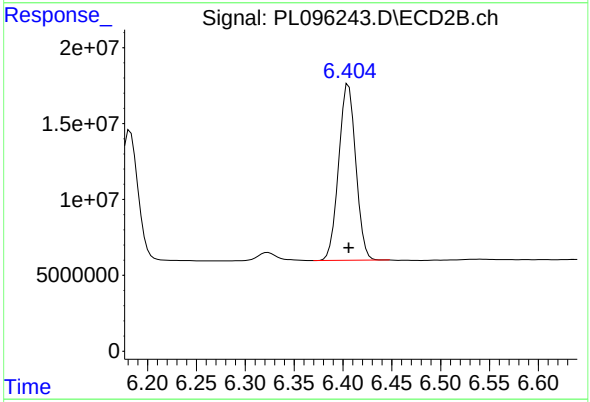
#19 Endosulfan Sulfate

R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 75807591
Conc: 24.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

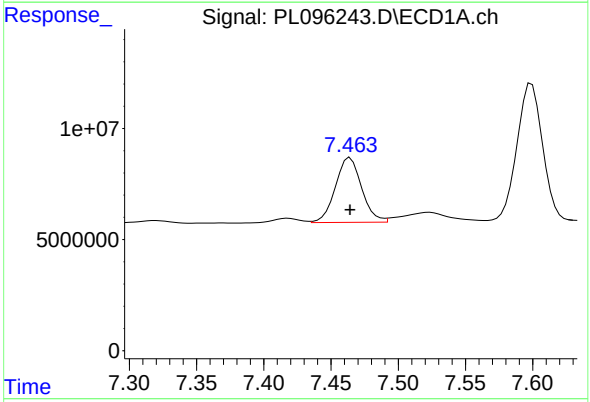
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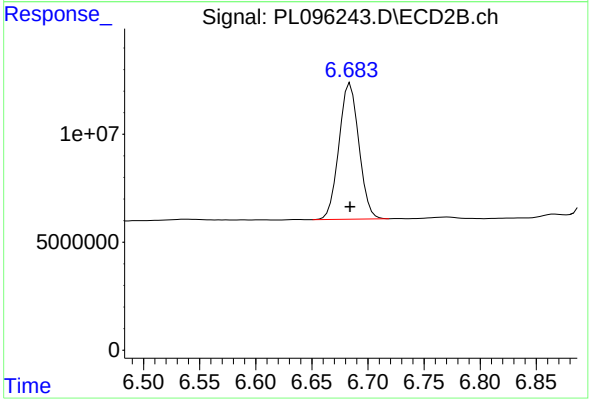
#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 141876171
Conc: 25.51 ng/ml



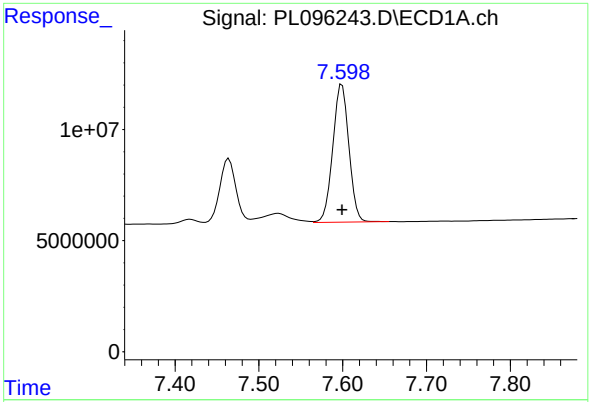
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 39522332
Conc: 25.77 ng/ml



#20 Methoxychlor

R.T.: 6.684 min
Delta R.T.: 0.000 min
Response: 77835403
Conc: 25.98 ng/ml



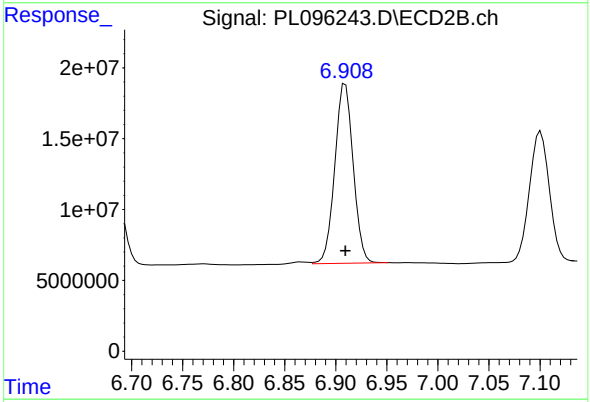
#21 Endrin ketone

R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 82764438
Conc: 25.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

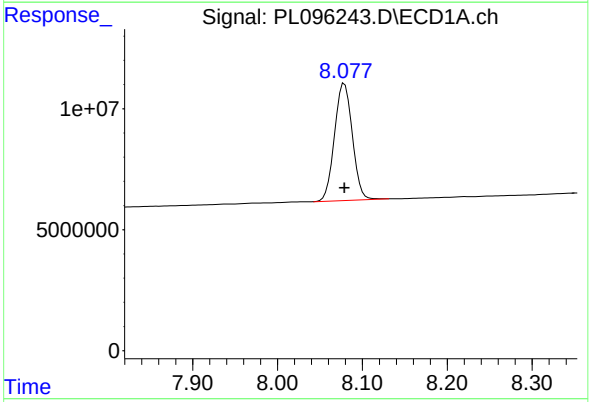
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



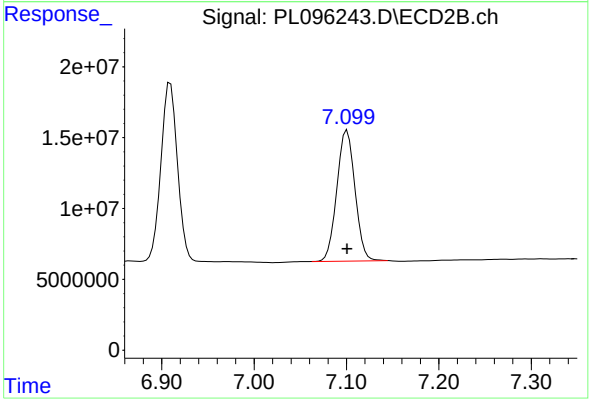
#21 Endrin ketone

R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 158785412
Conc: 25.65 ng/ml



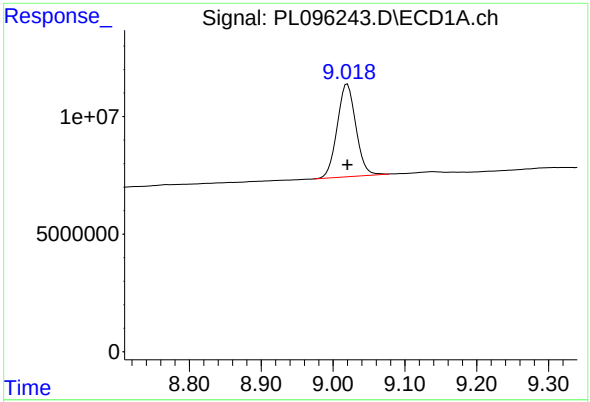
#22 Mirex

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 70613541
Conc: 25.85 ng/ml



#22 Mirex

R.T.: 7.101 min
Delta R.T.: 0.000 min
Response: 126125125
Conc: 26.19 ng/ml



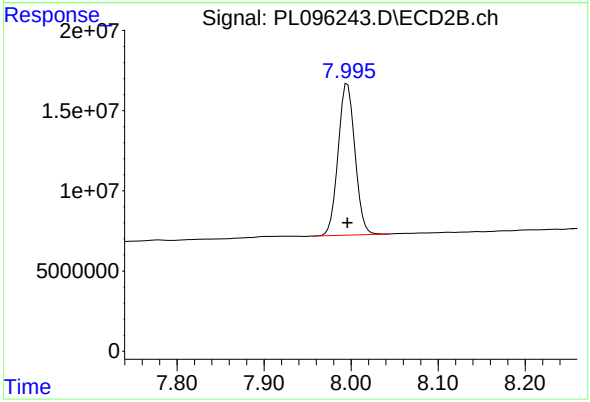
#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 71001314
Conc: 25.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations APPROVED

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Supervised By :mohammad ahmed 07/09/2025



#28 Decachlorobiphenyl

R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 127127393
Conc: 26.20 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096244.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:49
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 14:00:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.537	2.828	19025537	29948633	5.214	5.189
28)	SA Decachlor...	9.020	7.997	15503442	27603399	5.511	5.536
	Target Compounds						
2)	A alpha-BHC	3.984	3.334	23234160	39797350	4.518	4.718
3)	MA gamma-BHC...	4.313	3.667	24037524	38230859	4.827	4.854
4)	MA Heptachlor	4.905	4.016	24009255	38216999	5.241	5.023
5)	MB Aldrin	5.246	4.299	23850765	35971559	4.934	4.931
6)	B beta-BHC	4.499	3.963	11025016	18322787	5.304	5.351
7)	B delta-BHC	4.745	4.196	21146545	36946663	4.719	4.797
8)	B Heptachlo...	5.665	4.800	18852553	34843882	4.544	5.204m
9)	A Endosulfan I	6.047	5.172	21120955	47626389	5.232	6.492m
10)	B gamma-Chl...	5.919	5.054	22271617	35604780	5.033	5.072
11)	B alpha-Chl...	6.000	5.119	22538956	45965555	5.147	6.112
12)	B 4,4'-DDE	6.170	5.306	18320455	31070174	4.941	4.817m
13)	MA Dieldrin	6.319	5.436	20962161	33636509	4.957	4.897m
14)	MA Endrin	6.545	5.711	14943290	30446035	4.805	5.000m
15)	B Endosulfa...	6.757	6.003	19106695	30567103	5.506	5.221m
16)	A 4,4'-DDD	6.677	5.859	14539958	23257862	4.994	4.535
17)	MA 4,4'-DDT	6.992	6.113	15148387	27808893	4.991	4.849
18)	B Endrin al...	6.886	6.181	11735349	26462538	5.249	5.937m
19)	B Endosulfa...	7.120	6.406	15445201	29371565	5.049	5.222
20)	A Methoxychlor	7.465	6.685	8712032	16026571	5.530	5.276
21)	B Endrin ke...	7.599	6.909	16421079	32509263	4.974	5.202m
22)	Mirex	8.079	7.101	14920931	27895605	5.363	5.615

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096244.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:49
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

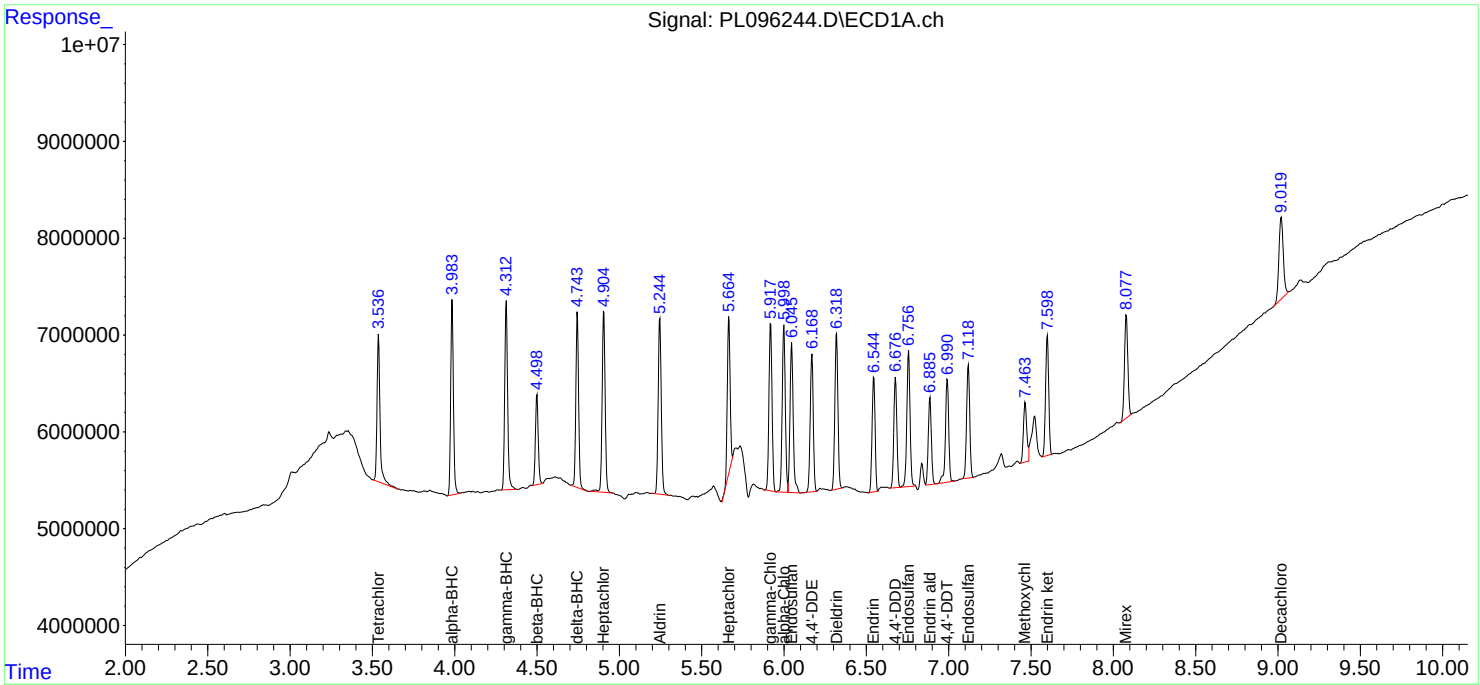
Instrument :
ECD_L
ClientSampleId :
PSTDICC005

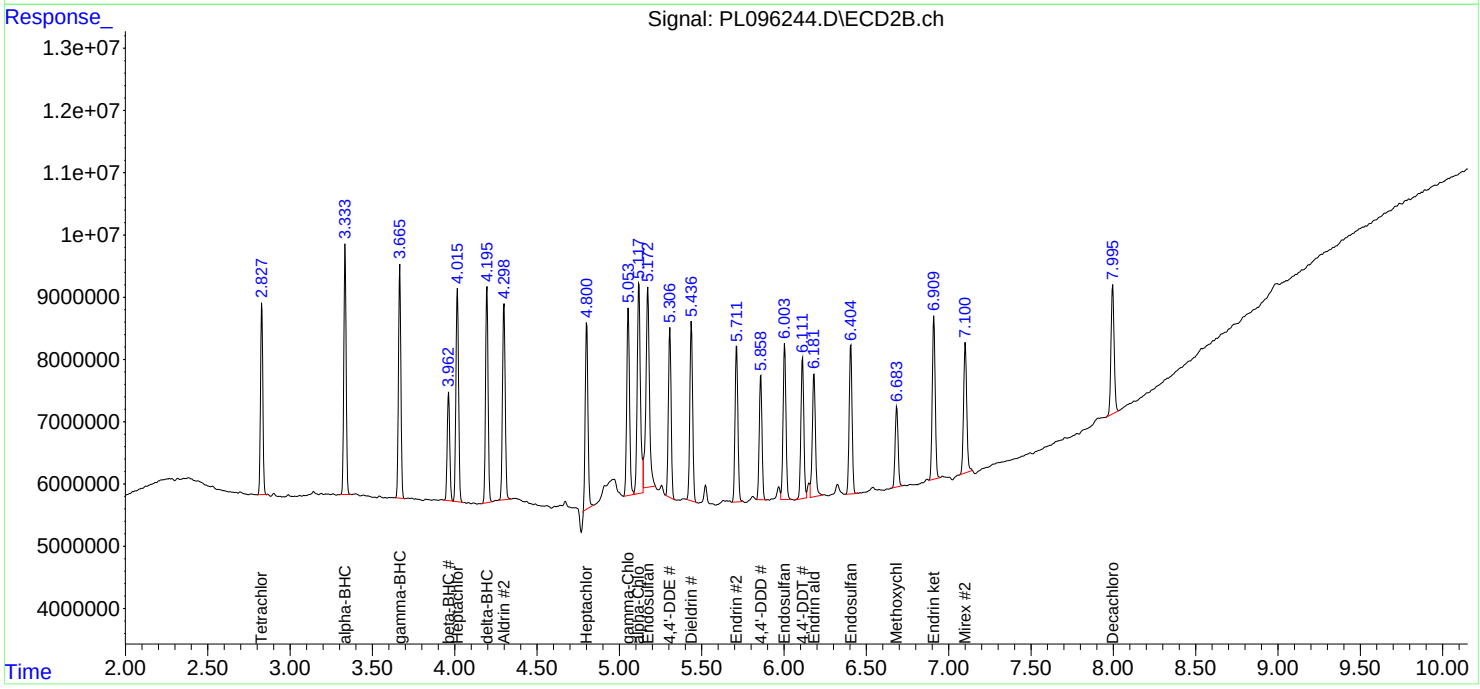
Manual Integrations APPROVED

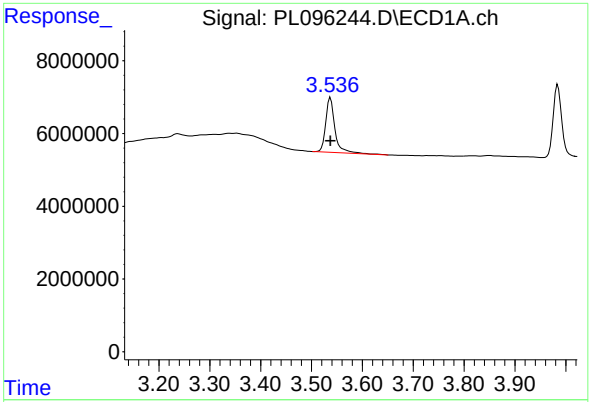
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 14:00:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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







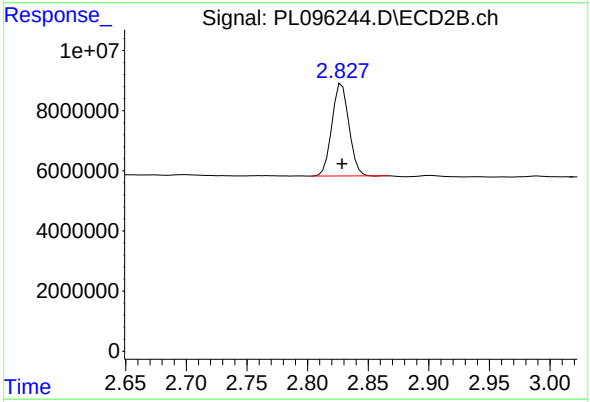
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 19025537
Conc: 5.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

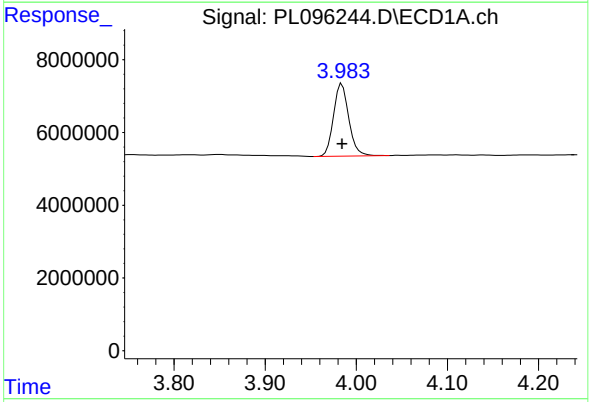
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



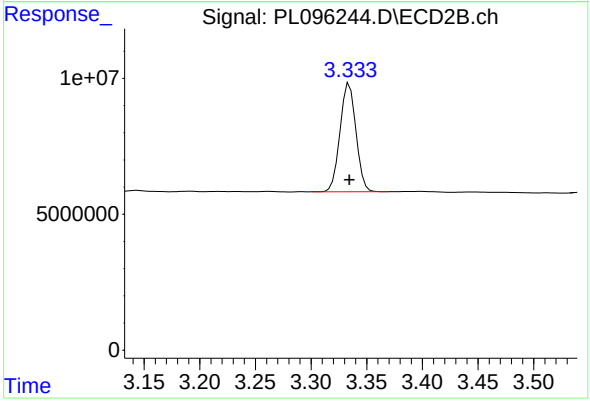
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 29948633
Conc: 5.19 ng/ml



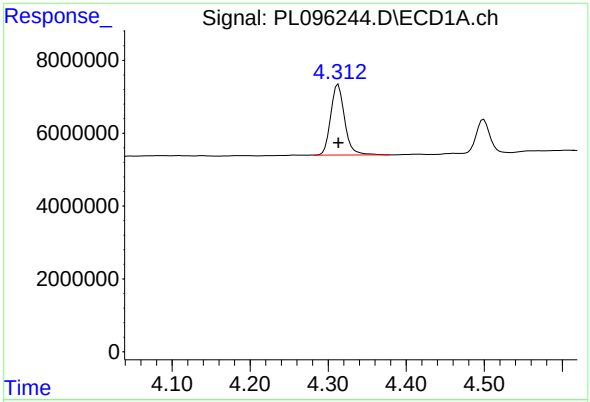
#2 alpha-BHC

R.T.: 3.984 min
Delta R.T.: 0.000 min
Response: 23234160
Conc: 4.52 ng/ml



#2 alpha-BHC

R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 39797350
Conc: 4.72 ng/ml



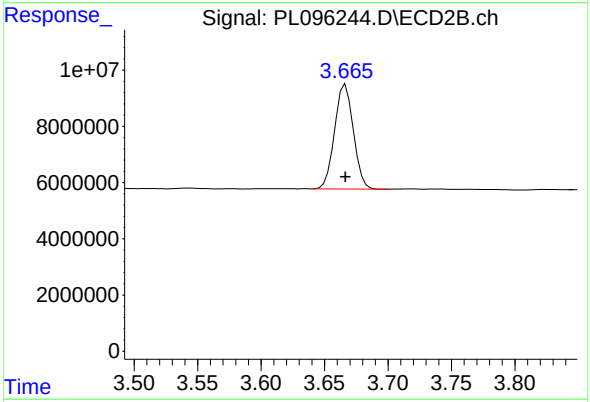
#3 gamma-BHC (Lindane)

R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 24037524
Conc: 4.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

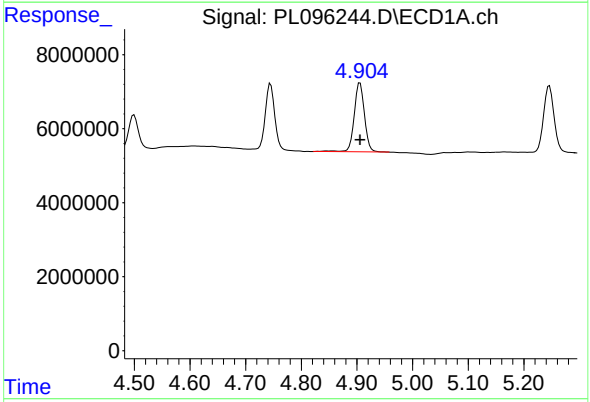
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



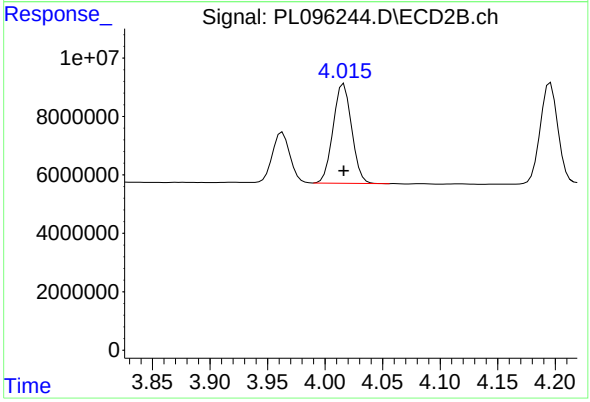
#3 gamma-BHC (Lindane)

R.T.: 3.667 min
Delta R.T.: 0.000 min
Response: 38230859
Conc: 4.85 ng/ml



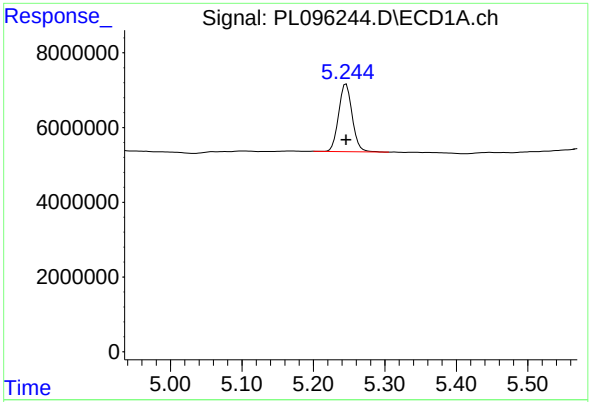
#4 Heptachlor

R.T.: 4.905 min
Delta R.T.: 0.000 min
Response: 24009255
Conc: 5.24 ng/ml



#4 Heptachlor

R.T.: 4.016 min
Delta R.T.: 0.000 min
Response: 38216999
Conc: 5.02 ng/ml



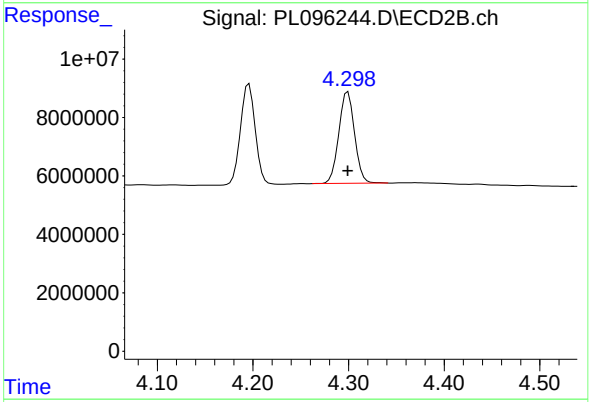
#5 Aldrin

R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 23850765
Conc: 4.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

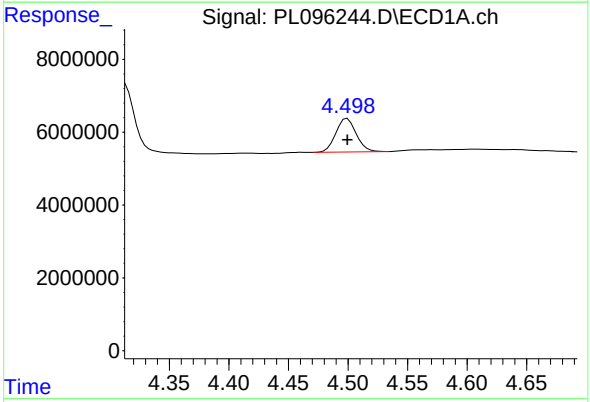
Manual Integrations APPROVED

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Supervised By :mohammad ahmed 07/09/2025



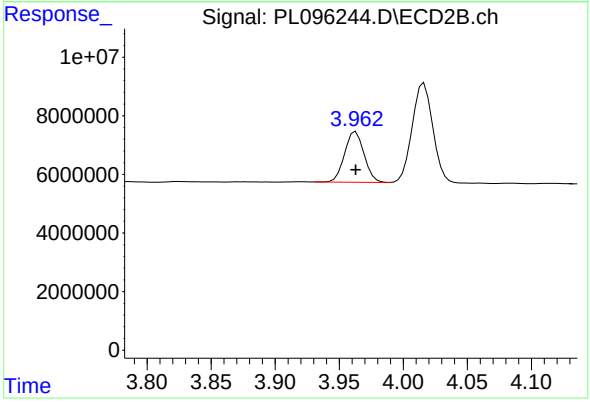
#5 Aldrin

R.T.: 4.299 min
Delta R.T.: 0.000 min
Response: 35971559
Conc: 4.93 ng/ml



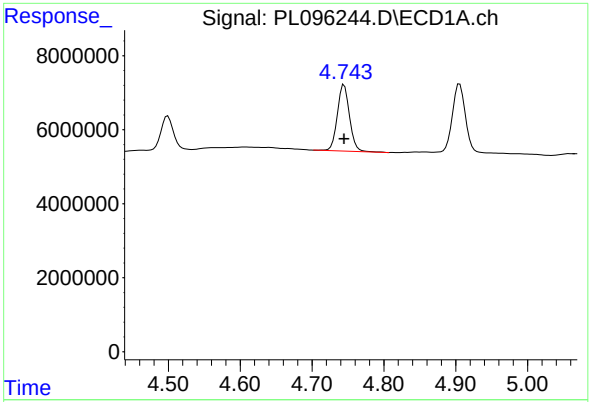
#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 11025016
Conc: 5.30 ng/ml



#6 beta-BHC

R.T.: 3.963 min
Delta R.T.: 0.000 min
Response: 18322787
Conc: 5.35 ng/ml



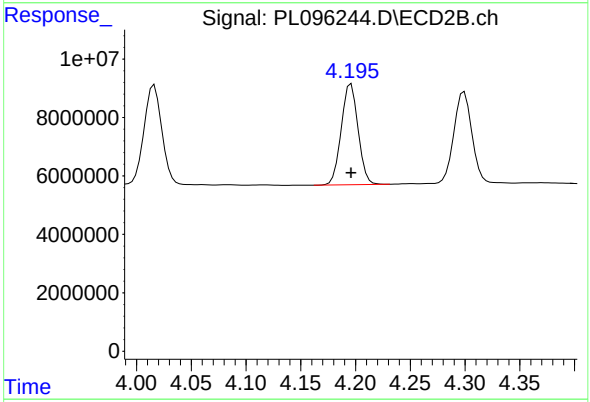
#7 delta-BHC

R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 21146545
Conc: 4.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

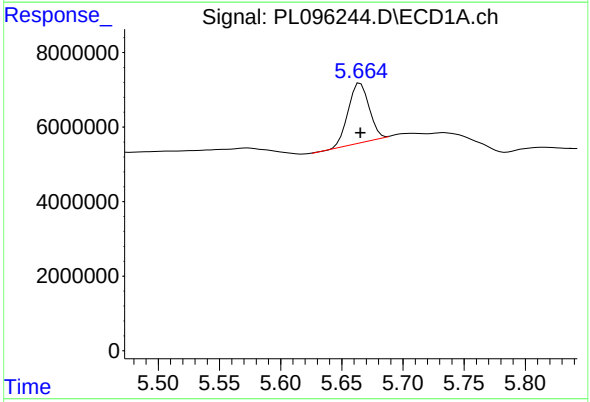
Manual Integrations APPROVED

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Supervised By :mohammad ahmed 07/09/2025



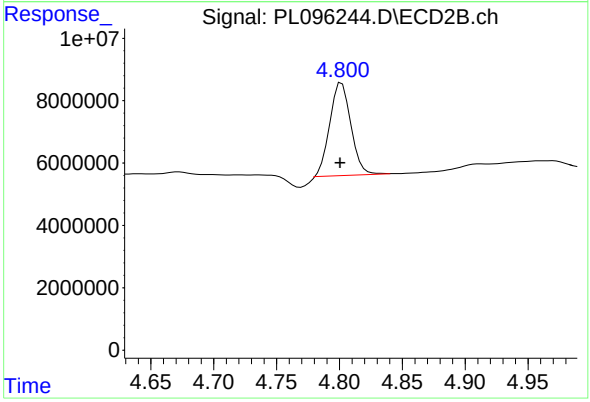
#7 delta-BHC

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 36946663
Conc: 4.80 ng/ml



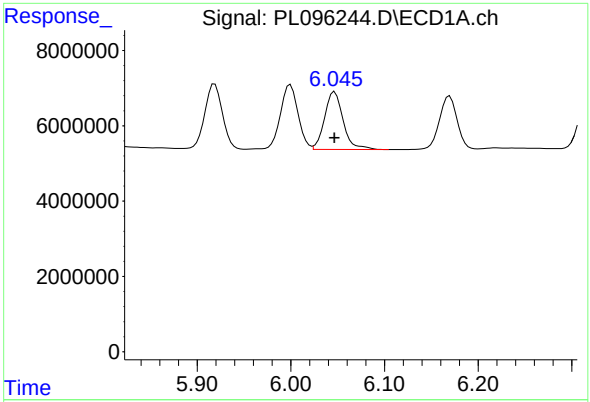
#8 Heptachlor epoxide

R.T.: 5.665 min
Delta R.T.: 0.000 min
Response: 18852553
Conc: 4.54 ng/ml



#8 Heptachlor epoxide

R.T.: 4.800 min
Delta R.T.: 0.000 min
Response: 34843882
Conc: 5.20 ng/ml m



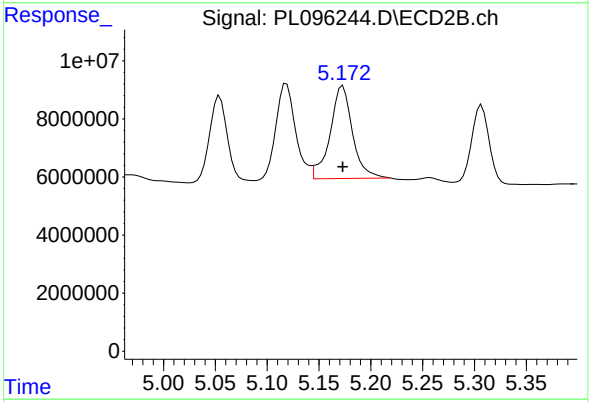
#9 Endosulfan I

R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 21120955
Conc: 5.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

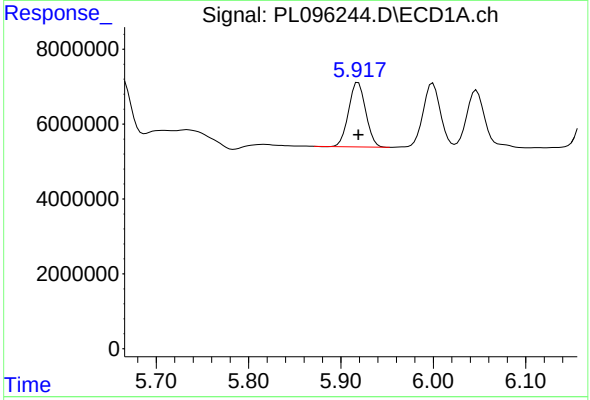
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



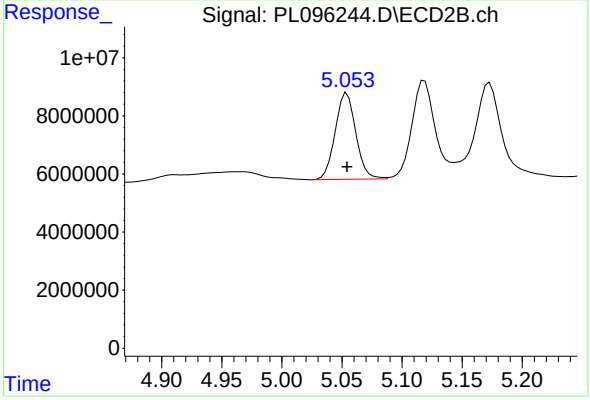
#9 Endosulfan I

R.T.: 5.172 min
Delta R.T.: -0.001 min
Response: 47626389
Conc: 6.49 ng/ml m



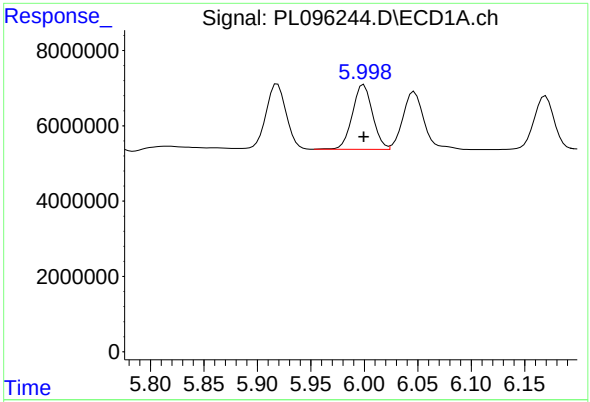
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 22271617
Conc: 5.03 ng/ml



#10 gamma-Chlordane

R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 35604780
Conc: 5.07 ng/ml



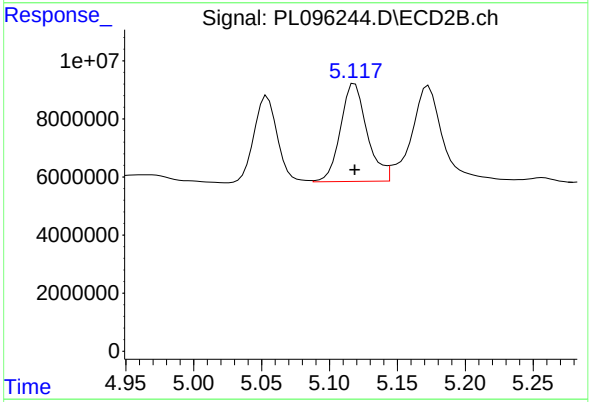
#11 alpha-Chlordane

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 22538956
Conc: 5.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

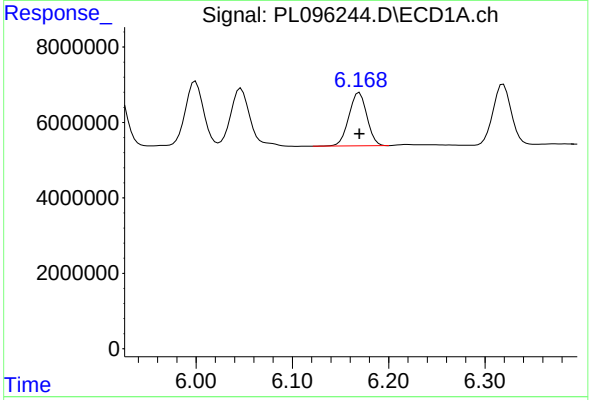
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



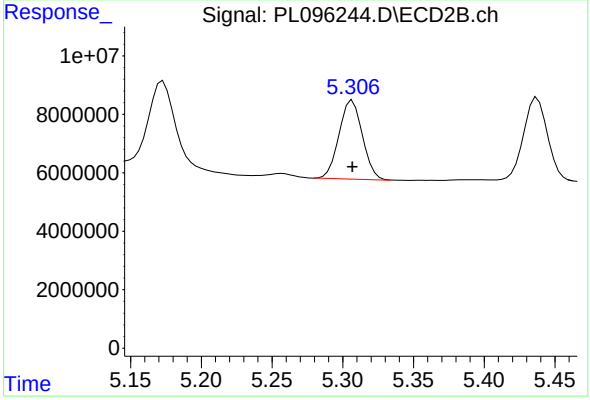
#11 alpha-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 45965555
Conc: 6.11 ng/ml



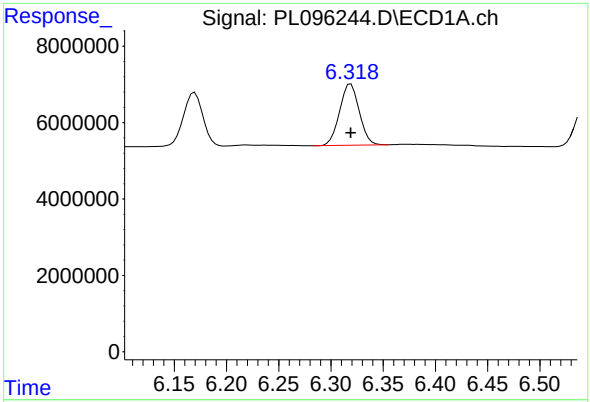
#12 4,4'-DDE

R.T.: 6.170 min
Delta R.T.: 0.000 min
Response: 18320455
Conc: 4.94 ng/ml



#12 4,4'-DDE

R.T.: 5.306 min
Delta R.T.: -0.001 min
Response: 31070174
Conc: 4.82 ng/ml m



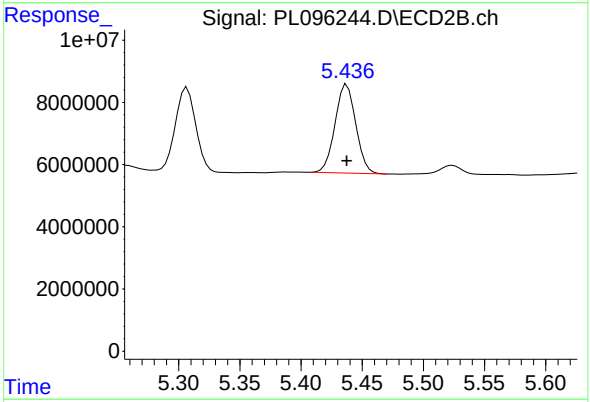
#13 Dieldrin

R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 20962161
Conc: 4.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

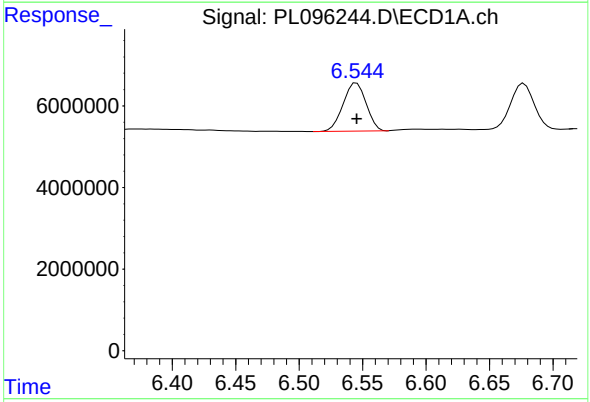
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



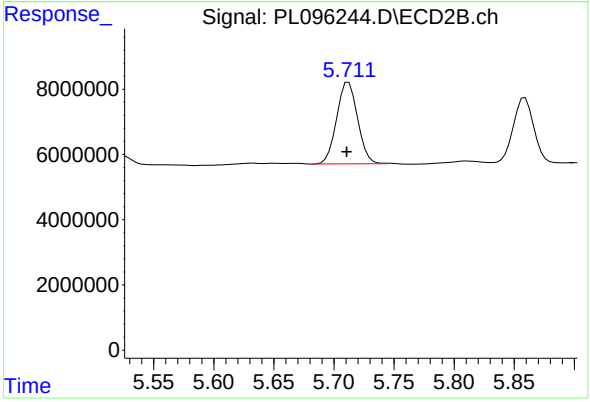
#13 Dieldrin

R.T.: 5.436 min
Delta R.T.: -0.001 min
Response: 33636509
Conc: 4.90 ng/ml m



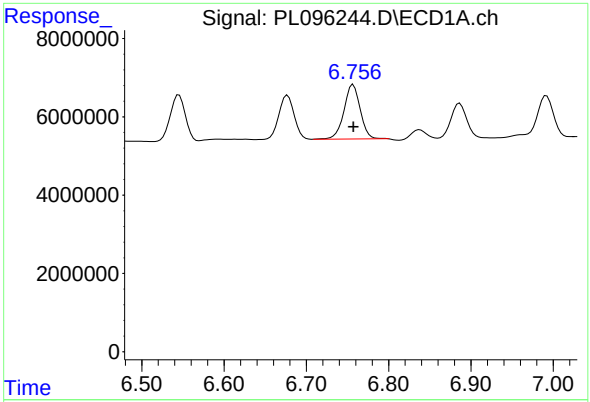
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 14943290
Conc: 4.80 ng/ml



#14 Endrin

R.T.: 5.711 min
Delta R.T.: 0.000 min
Response: 30446035
Conc: 5.00 ng/ml m



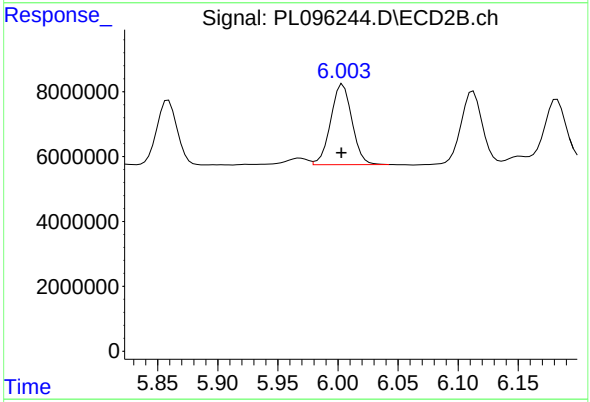
#15 Endosulfan II

R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 19106695
Conc: 5.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

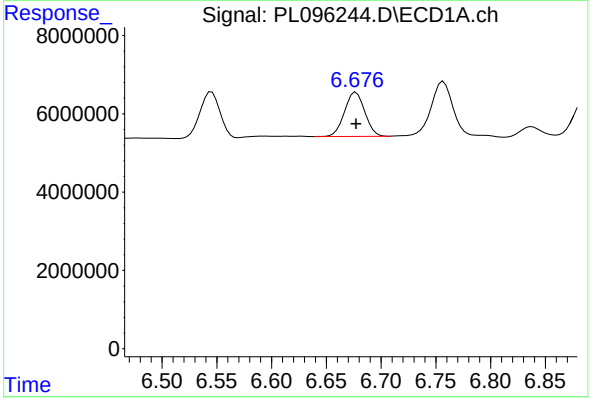
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



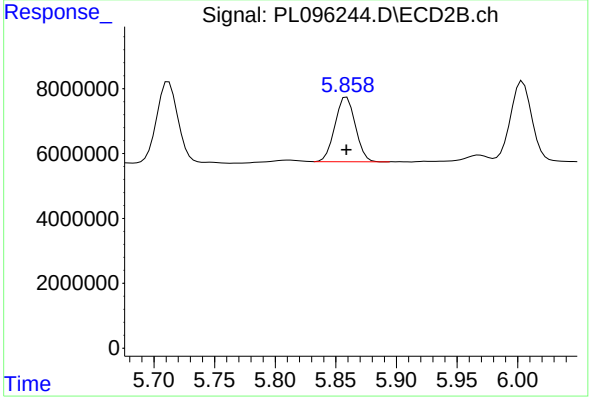
#15 Endosulfan II

R.T.: 6.003 min
Delta R.T.: 0.000 min
Response: 30567103
Conc: 5.22 ng/ml m



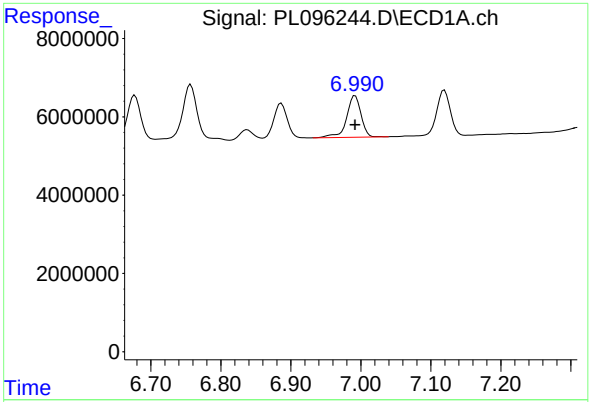
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 14539958
Conc: 4.99 ng/ml



#16 4,4'-DDD

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 23257862
Conc: 4.53 ng/ml



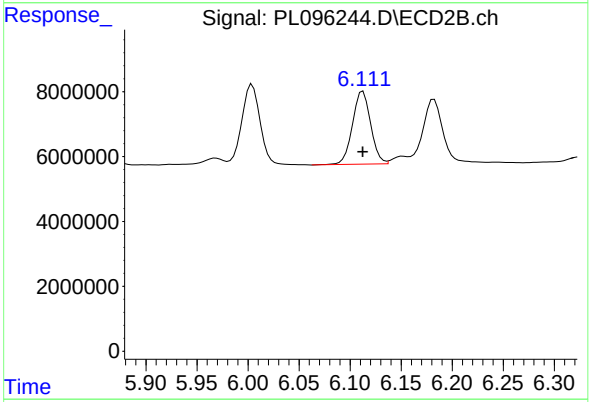
#17 4,4'-DDT

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 15148387
Conc: 4.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

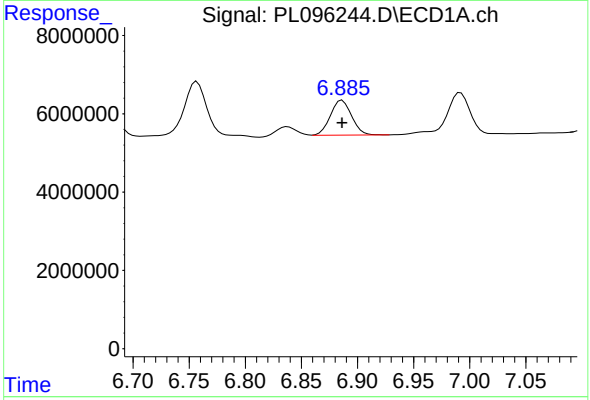
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



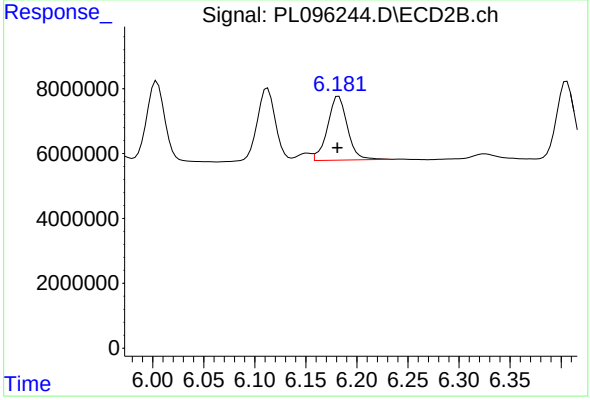
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 27808893
Conc: 4.85 ng/ml



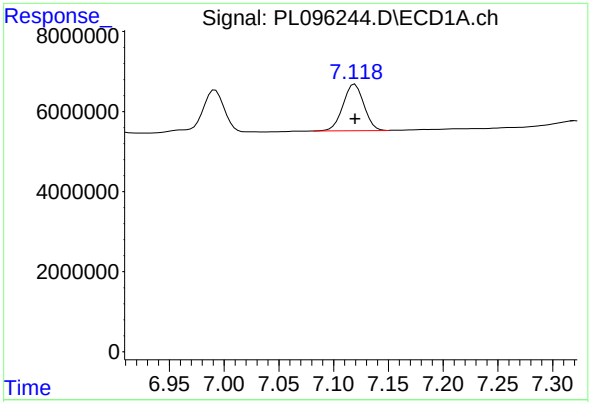
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 11735349
Conc: 5.25 ng/ml



#18 Endrin aldehyde

R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 26462538
Conc: 5.94 ng/ml m



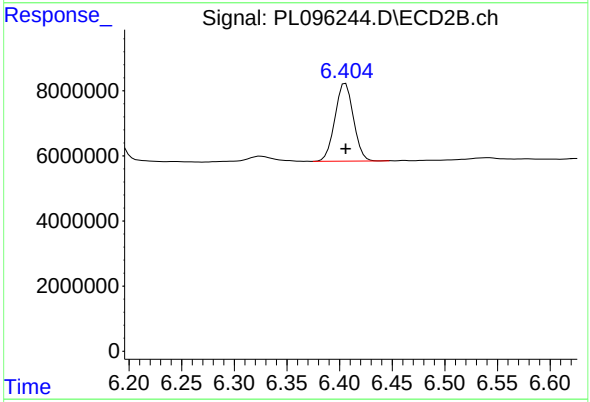
#19 Endosulfan Sulfate

R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 15445201
Conc: 5.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

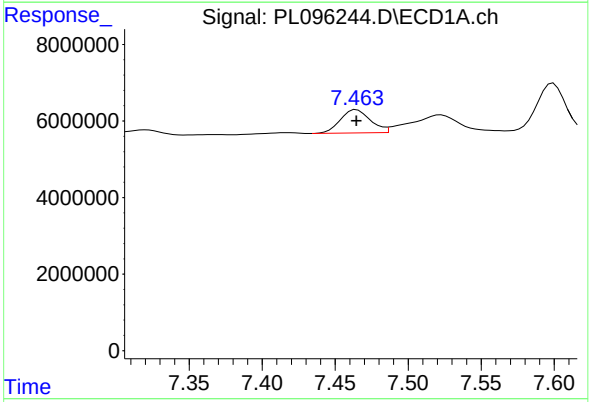
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



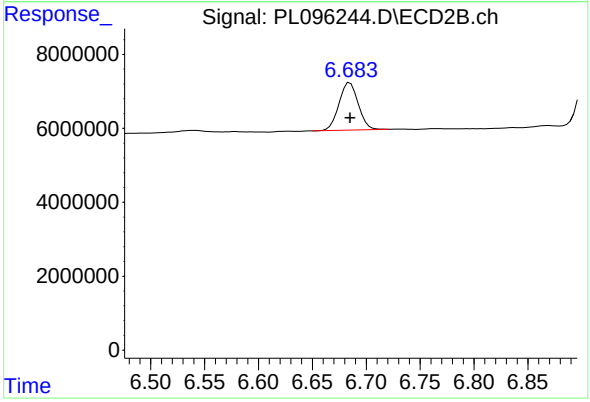
#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 29371565
Conc: 5.22 ng/ml



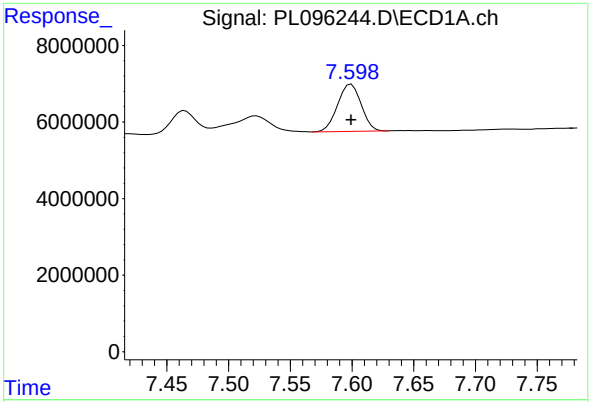
#20 Methoxychlor

R.T.: 7.465 min
Delta R.T.: 0.000 min
Response: 8712032
Conc: 5.53 ng/ml



#20 Methoxychlor

R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 16026571
Conc: 5.28 ng/ml



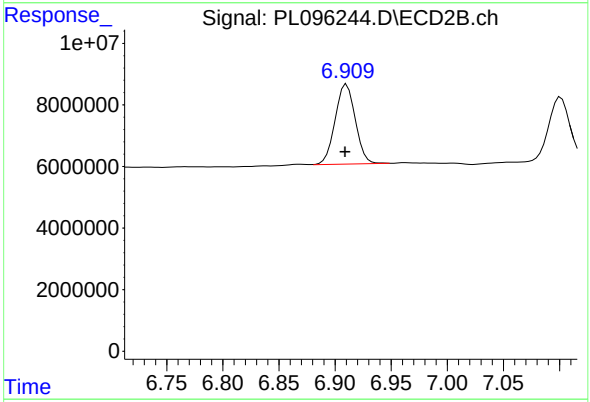
#21 Endrin ketone

R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 16421079
Conc: 4.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

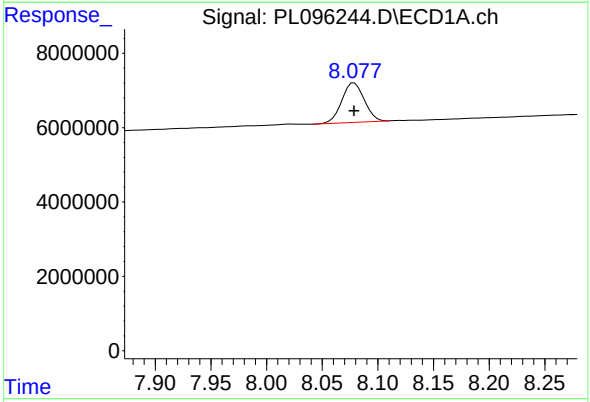
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



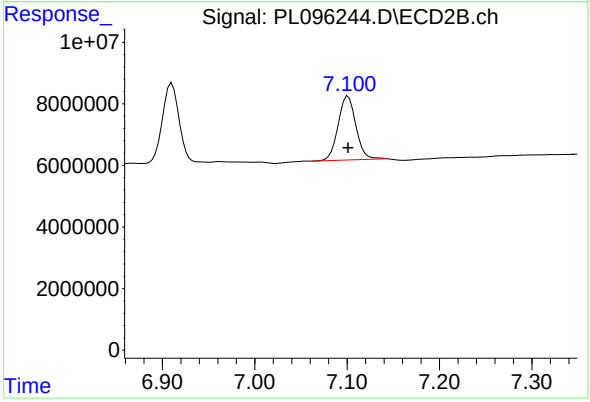
#21 Endrin ketone

R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 32509263
Conc: 5.20 ng/ml m



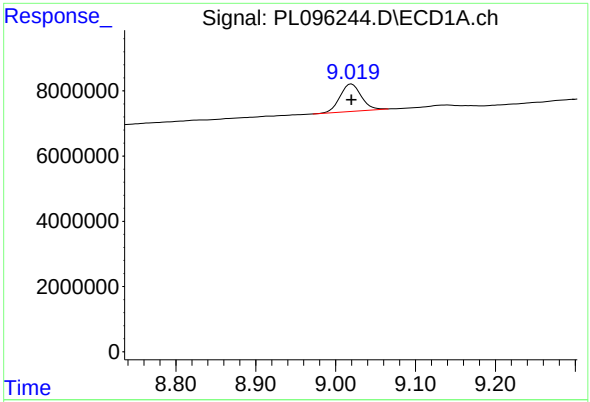
#22 Mirex

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 14920931
Conc: 5.36 ng/ml



#22 Mirex

R.T.: 7.101 min
Delta R.T.: 0.000 min
Response: 27895605
Conc: 5.61 ng/ml



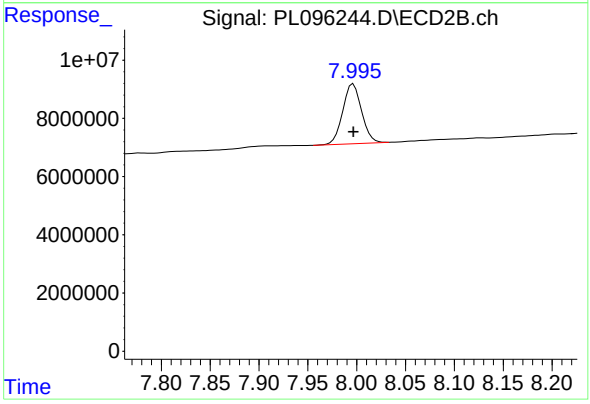
#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 15503442
Conc: 5.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



#28 Decachlorobiphenyl

R.T.: 7.997 min
Delta R.T.: 0.000 min
Response: 27603399
Conc: 5.54 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096247.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 12:30
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 14:08:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 14:08:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.828	171.6E6	355.1E6	50.000	50.000
28)	SA Decachlor...	9.019	7.996	132.7E6	239.1E6	50.000	50.000
	Target Compounds						
23)	Chlordane-1	4.693	3.841	88704924	117.7E6	500.000	500.000
24)	Chlordane-2	5.217	4.420	95284319	136.1E6	500.000	500.000
25)	Chlordane-3	5.920	5.055	369.2E6	398.6E6	500.000	500.000
26)	Chlordane-4	6.004	5.118	448.0E6	362.9E6	500.000	500.000
27)	Chlordane-5	6.841	6.013	71924209	141.5E6	500.000	500.000

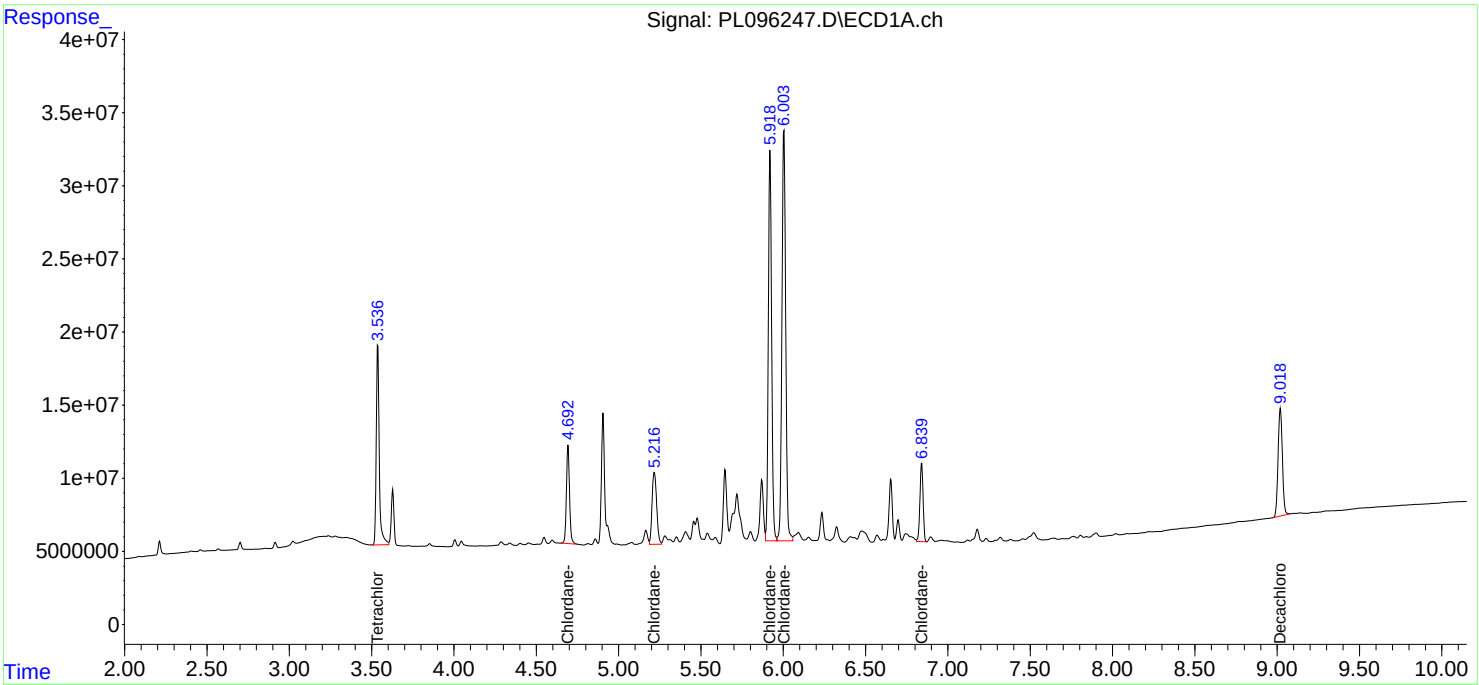
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

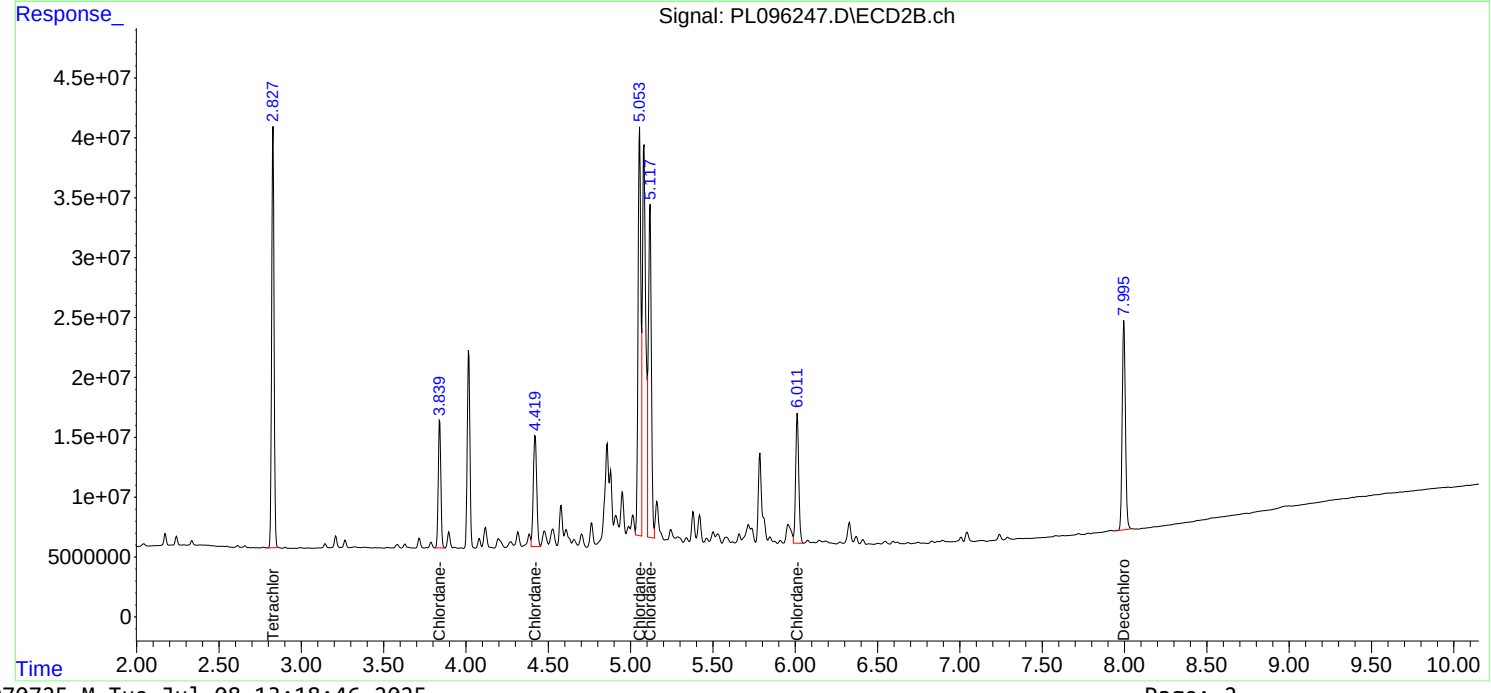
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096247.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 12:30
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

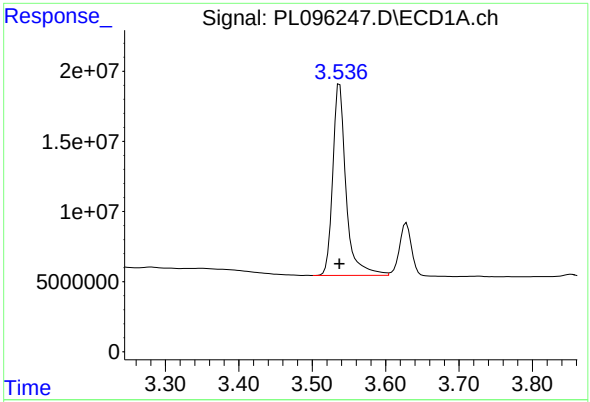
Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 14:08:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 14:08:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



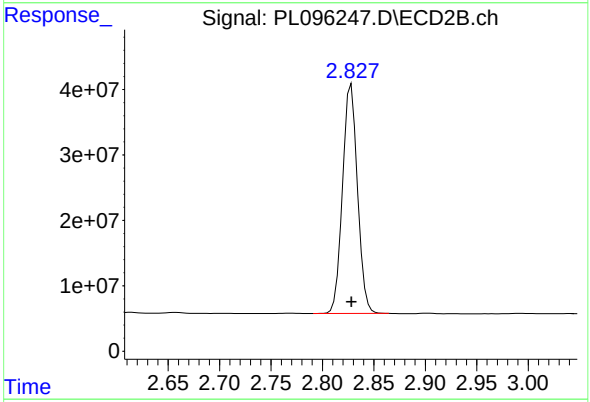




#1 Tetrachloro-m-xylene

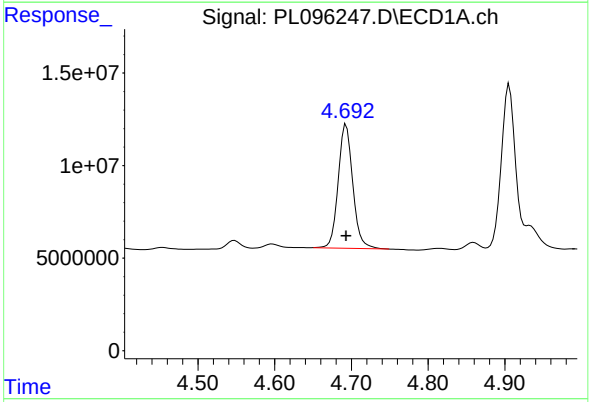
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 171642137
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



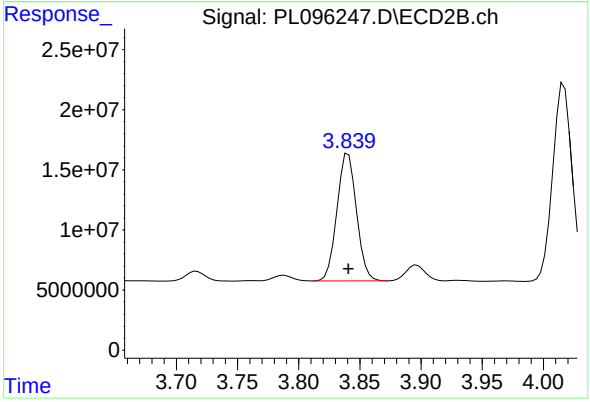
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 355075037
Conc: 50.00 ng/ml



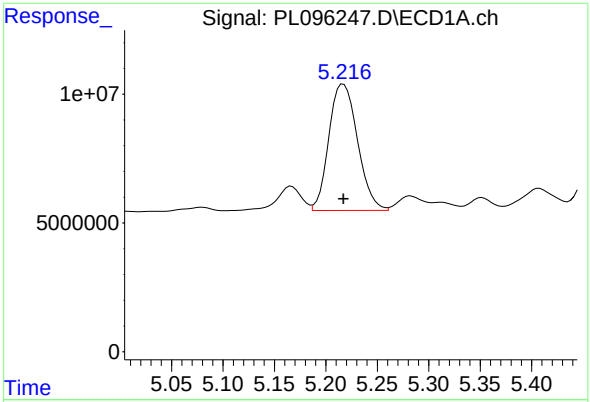
#23 Chlordane-1

R.T.: 4.693 min
Delta R.T.: 0.000 min
Response: 88704924
Conc: 500.00 ng/ml



#23 Chlordane-1

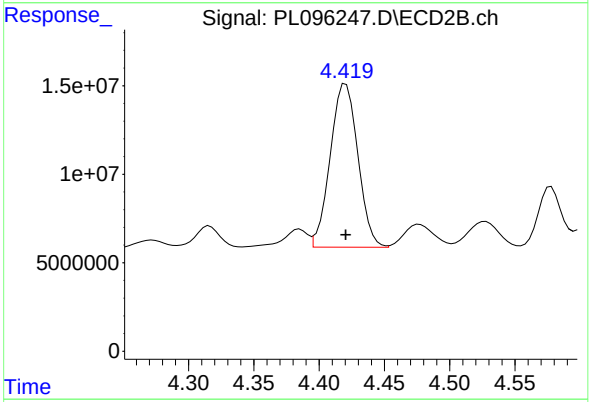
R.T.: 3.841 min
Delta R.T.: 0.000 min
Response: 117738541
Conc: 500.00 ng/ml



#24 Chlordane-2

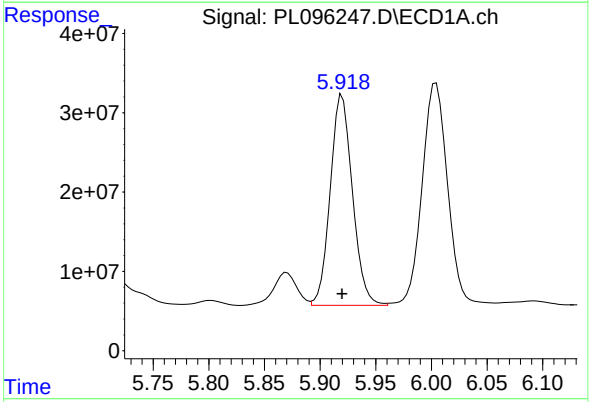
R.T.: 5.217 min
Delta R.T.: 0.000 min
Response: 95284319
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



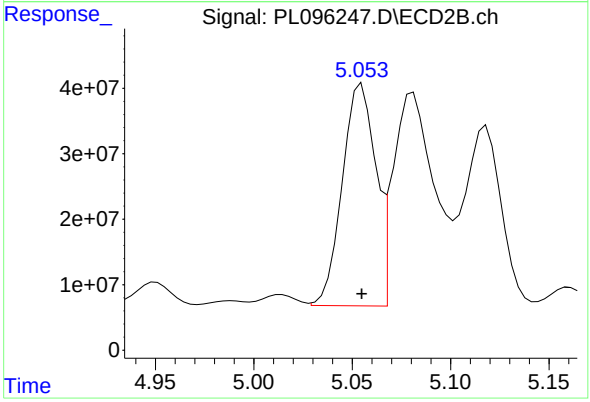
#24 Chlordane-2

R.T.: 4.420 min
Delta R.T.: 0.000 min
Response: 136085748
Conc: 500.00 ng/ml



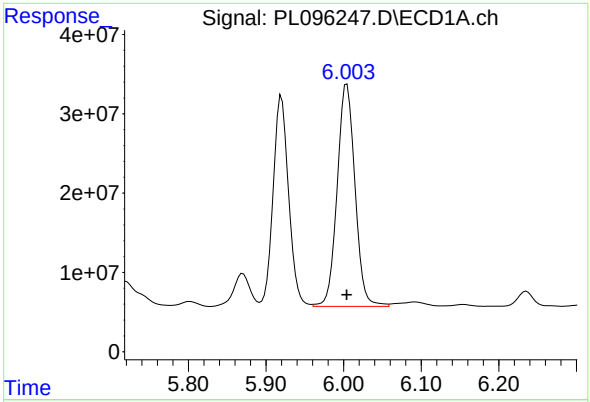
#25 Chlordane-3

R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 369220532
Conc: 500.00 ng/ml



#25 Chlordane-3

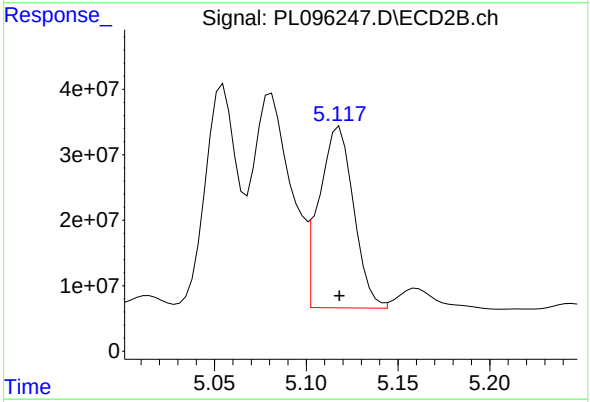
R.T.: 5.055 min
Delta R.T.: 0.000 min
Response: 398637596
Conc: 500.00 ng/ml



#26 Chlordane-4

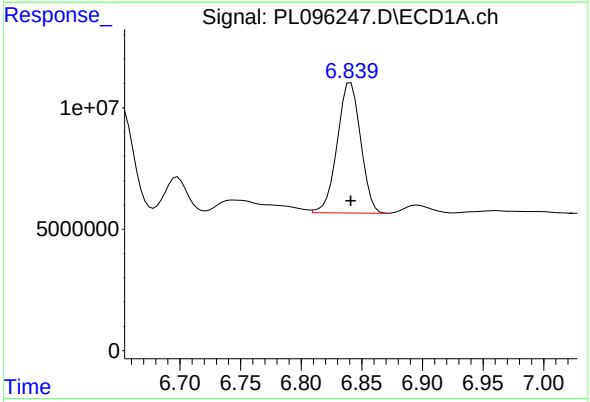
R.T.: 6.004 min
Delta R.T.: 0.000 min
Response: 447993243
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



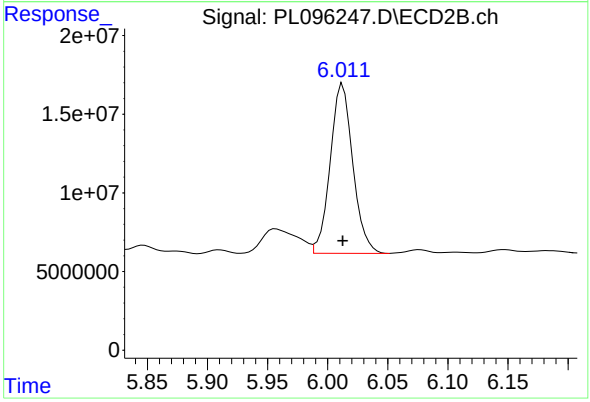
#26 Chlordane-4

R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 362887002
Conc: 500.00 ng/ml



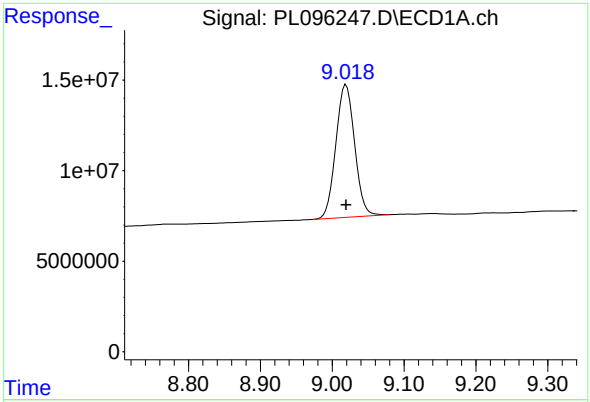
#27 Chlordane-5

R.T.: 6.841 min
Delta R.T.: 0.000 min
Response: 71924209
Conc: 500.00 ng/ml



#27 Chlordane-5

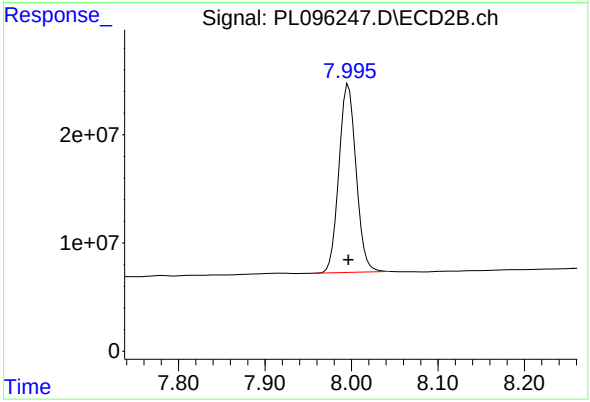
R.T.: 6.013 min
Delta R.T.: 0.000 min
Response: 141479033
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.019 min
Delta R.T.: 0.000 min
Response: 132747864
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 239141492
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096252.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 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: Jul 07 14:57:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 14:57:35 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 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.538	2.829	188.7E6	298.9E6	50.000	50.000
7) SA	Decachlor...	9.020	7.997	144.9E6	263.3E6	50.000	50.000
	Target Compounds						
2)	Toxaphene-1	6.215	5.077	15012733	18353677	500.000	500.000
3)	Toxaphene-2	6.614	5.763	13059638	25924116	500.000	500.000
4)	Toxaphene-3	7.027	6.043	60047575	25708745	500.000	500.000
5)	Toxaphene-4	7.117	6.678	42985480	83206906	500.000	500.000
6)	Toxaphene-5	7.896	7.118	30902169	50709284	500.000	500.000

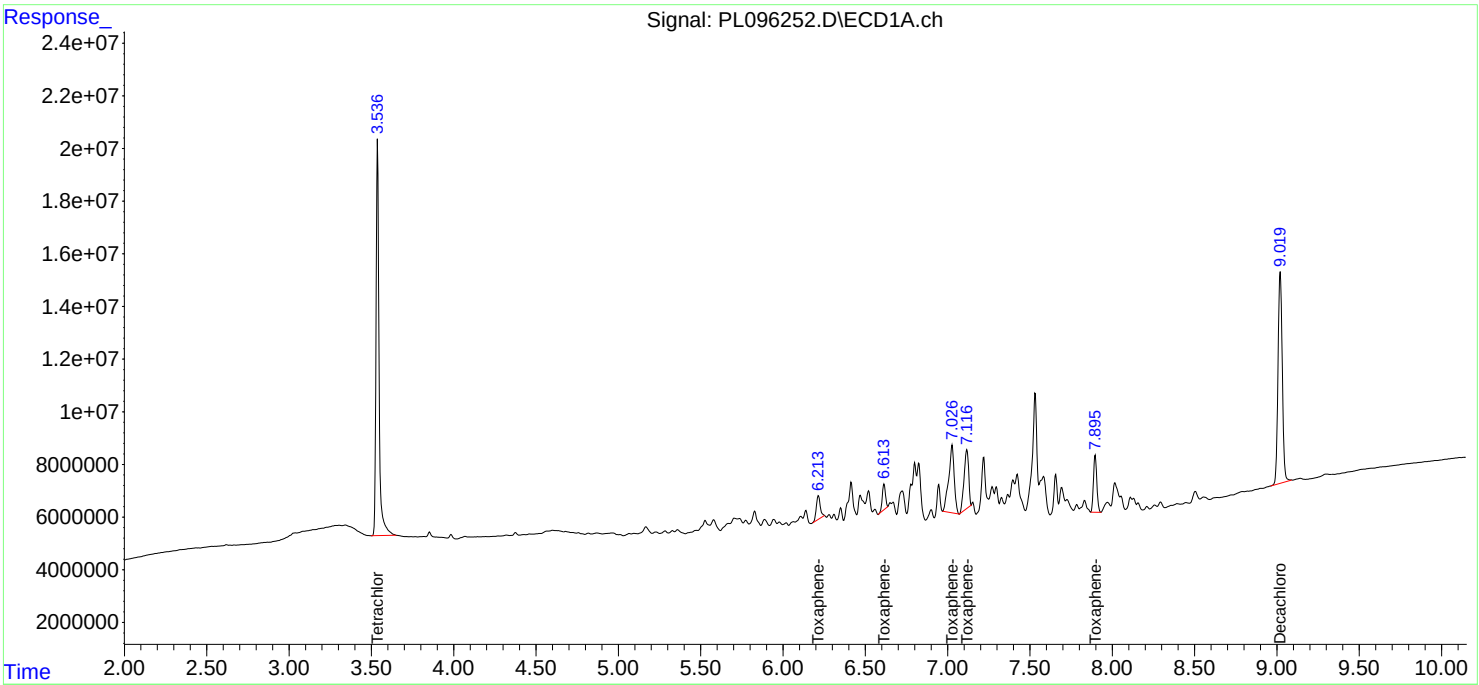
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

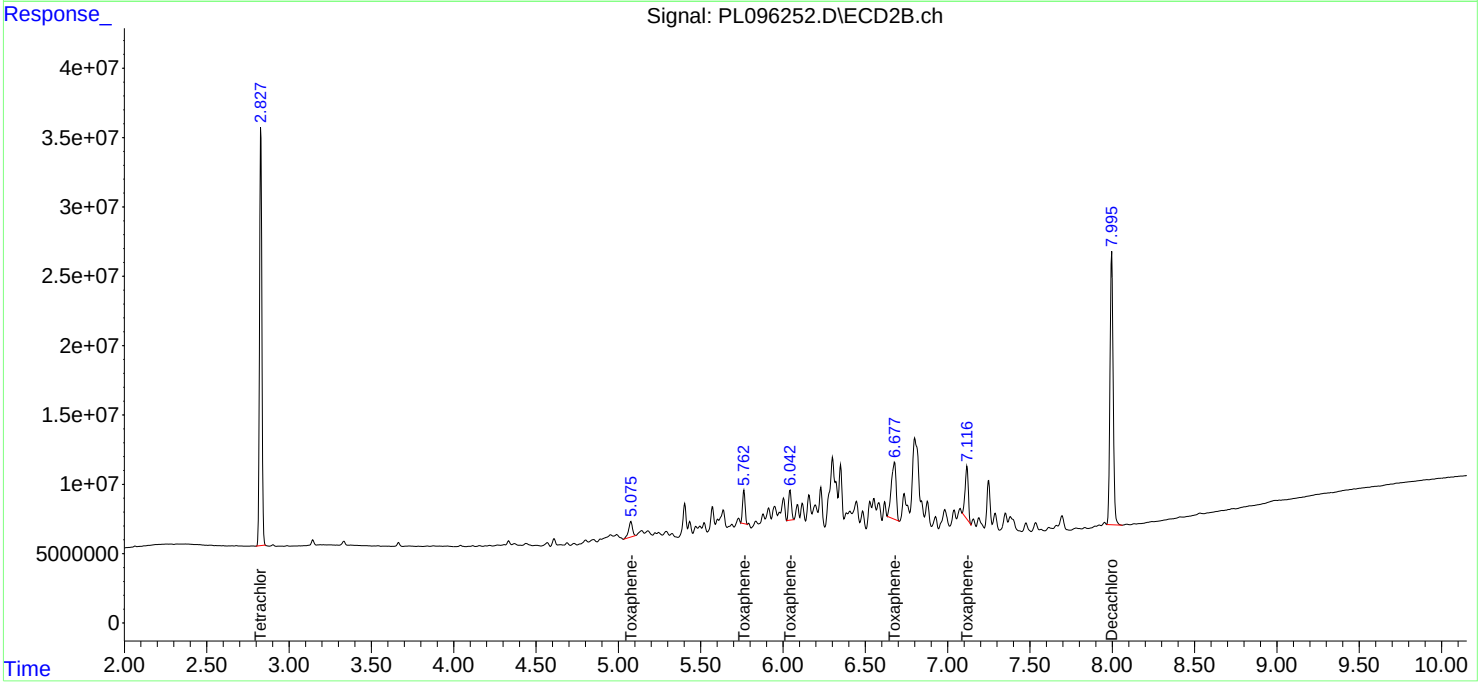
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096252.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 13:39
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

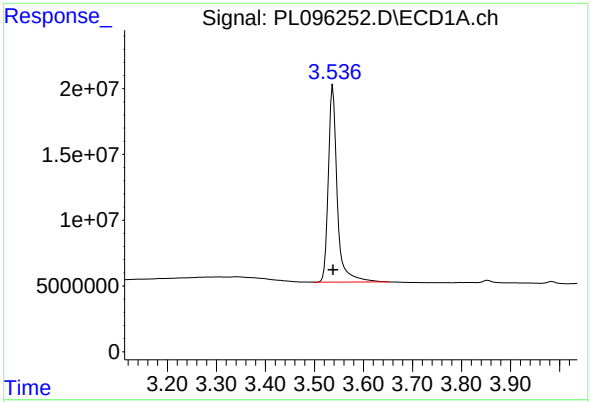
Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 14:57:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 14:57:35 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



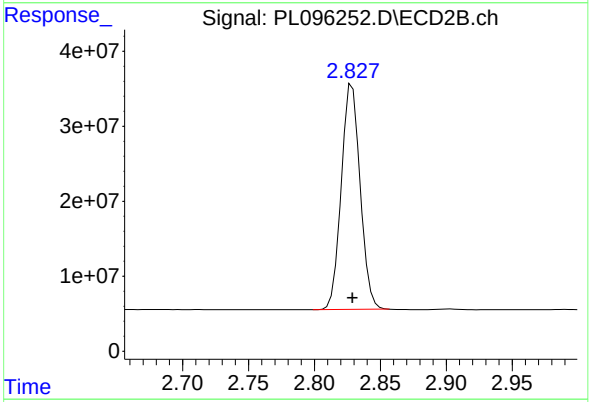




#1 Tetrachloro-m-xylene

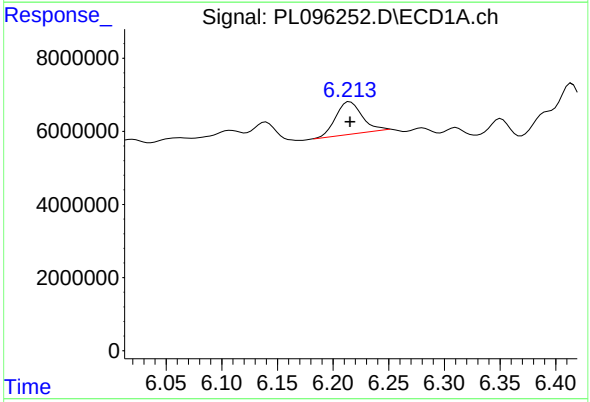
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 188746411
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



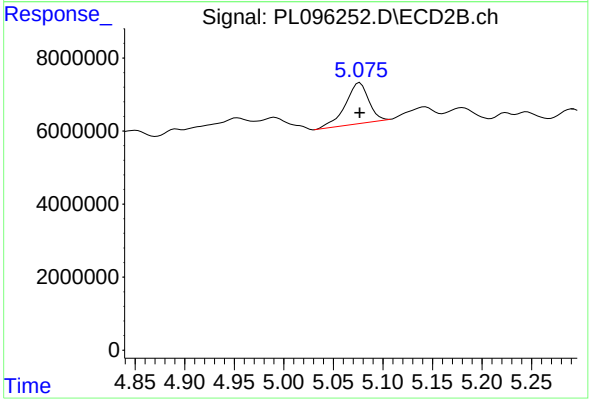
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 298914826
Conc: 50.00 ng/ml



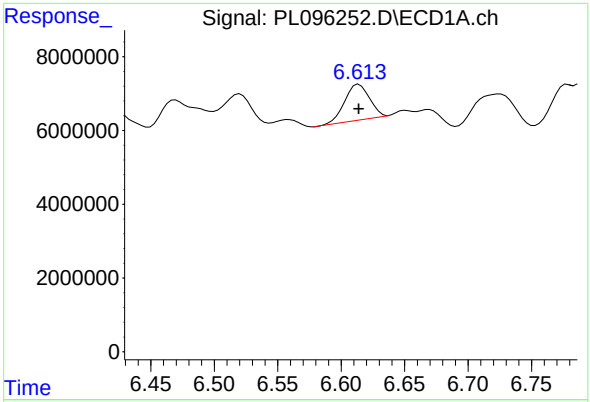
#2 Toxaphene-1

R.T.: 6.215 min
Delta R.T.: 0.000 min
Response: 15012733
Conc: 500.00 ng/ml



#2 Toxaphene-1

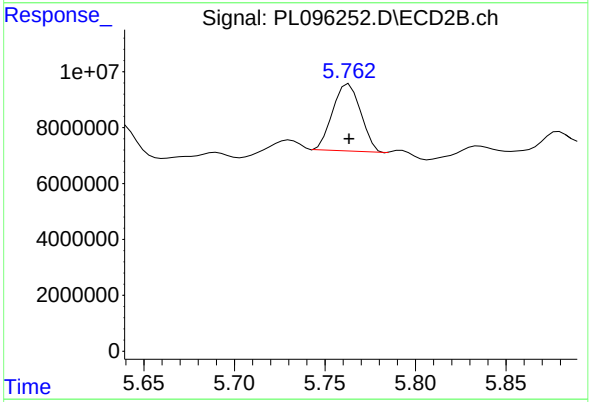
R.T.: 5.077 min
Delta R.T.: 0.000 min
Response: 18353677
Conc: 500.00 ng/ml



#3 Toxaphene-2

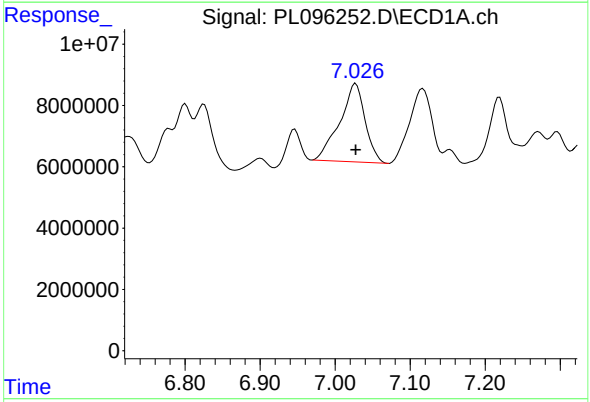
R.T.: 6.614 min
Delta R.T.: 0.000 min
Response: 13059638
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



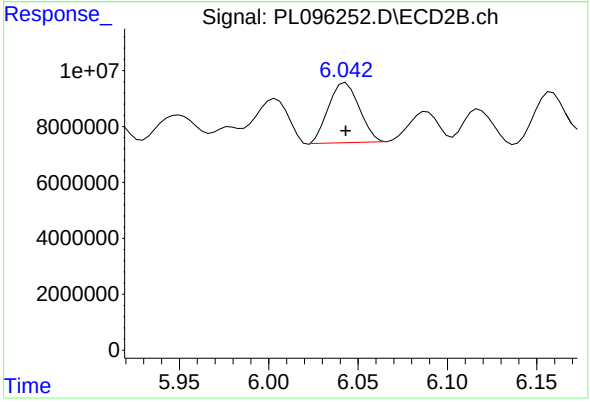
#3 Toxaphene-2

R.T.: 5.763 min
Delta R.T.: 0.000 min
Response: 25924116
Conc: 500.00 ng/ml



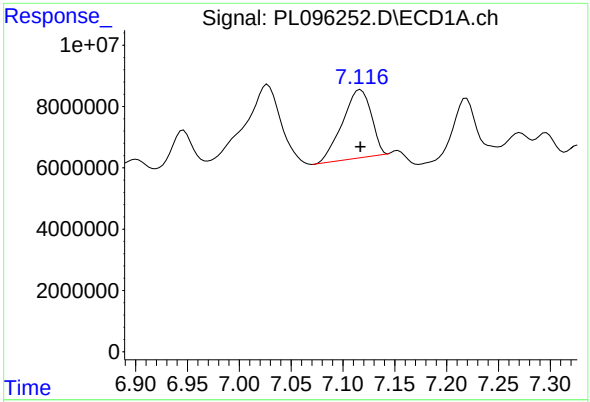
#4 Toxaphene-3

R.T.: 7.027 min
Delta R.T.: 0.000 min
Response: 60047575
Conc: 500.00 ng/ml



#4 Toxaphene-3

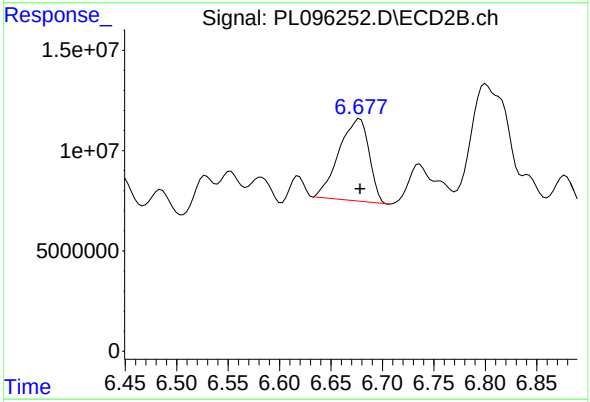
R.T.: 6.043 min
Delta R.T.: 0.000 min
Response: 25708745
Conc: 500.00 ng/ml



#5 Toxaphene-4

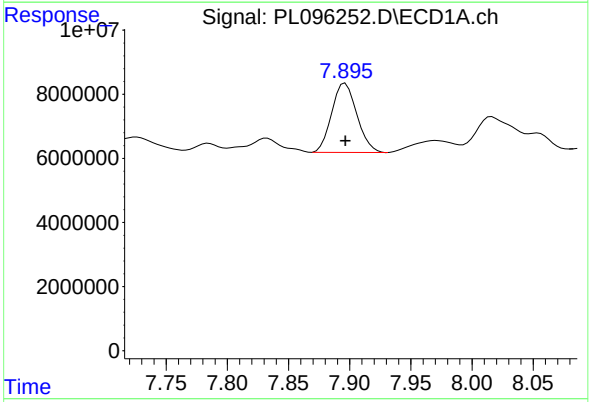
R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 42985480
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



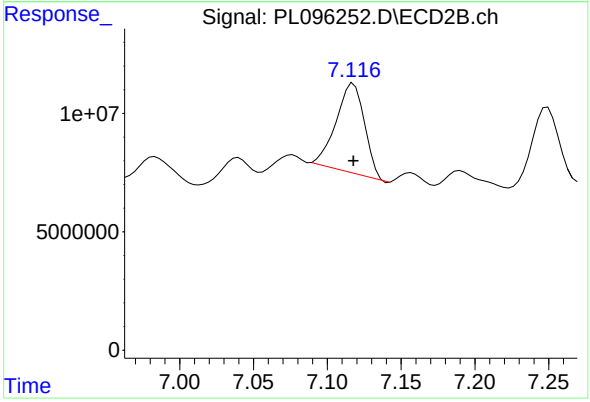
#5 Toxaphene-4

R.T.: 6.678 min
Delta R.T.: 0.000 min
Response: 83206906
Conc: 500.00 ng/ml



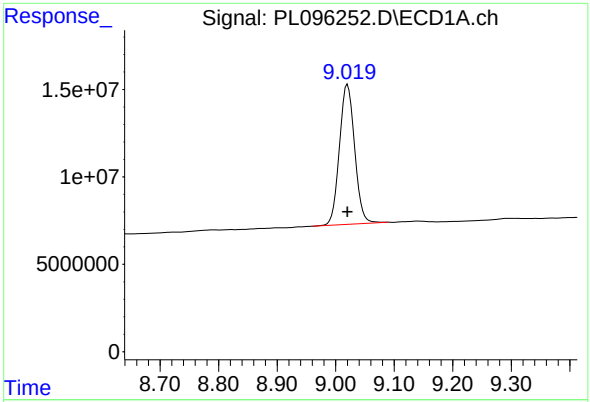
#6 Toxaphene-5

R.T.: 7.896 min
Delta R.T.: 0.000 min
Response: 30902169
Conc: 500.00 ng/ml



#6 Toxaphene-5

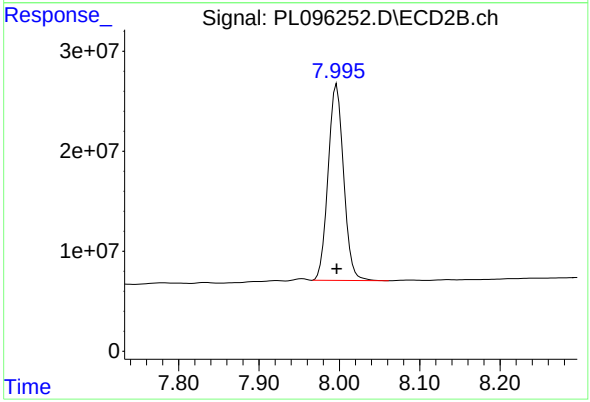
R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 50709284
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 144852388
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 7.997 min
Delta R.T.: 0.000 min
Response: 263322898
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096255.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 14:19
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:23:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.829	186.5E6	292.8E6	51.121	50.727
28)	SA Decachlor...	9.022	7.997	140.6E6	252.5E6	49.997	50.646
	Target Compounds						
2)	A alpha-BHC	3.985	3.335	267.9E6	439.5E6	52.090	52.104
3)	MA gamma-BHC...	4.314	3.668	258.2E6	407.2E6	51.852	51.705
4)	MA Heptachlor	4.906	4.017	239.3E6	393.6E6	52.226	51.743
5)	MB Aldrin	5.245	4.300	247.3E6	377.0E6	51.152m	51.670
6)	B beta-BHC	4.500	3.964	105.6E6	173.3E6	50.792	50.626
7)	B delta-BHC	4.746	4.197	234.7E6	398.9E6	52.366	51.789
8)	B Heptachlo...	5.664	4.802	220.5E6	343.2E6	53.133m	51.344
9)	A Endosulfan I	6.047	5.174	205.2E6	331.1E6	50.831	46.148
10)	B gamma-Chl...	5.919	5.055	225.5E6	357.7E6	50.971	50.960
11)	B alpha-Chl...	6.000	5.119	222.4E6	359.0E6	50.784	47.738
12)	B 4,4'-DDE	6.170	5.308	190.6E6	334.4E6	51.411	51.739
13)	MA Dieldrin	6.320	5.438	215.9E6	351.2E6	51.070	51.494
14)	MA Endrin	6.546	5.713	165.8E6	314.2E6	53.309	51.541
15)	B Endosulfa...	6.758	6.005	180.6E6	300.7E6	52.046	51.281
16)	A 4,4'-DDD	6.679	5.860	150.5E6	262.9E6	51.690	51.256
17)	MA 4,4'-DDT	6.993	6.113	158.7E6	297.6E6	52.301	51.897
18)	B Endrin al...	6.887	6.183	122.0E6	220.2E6	54.555	49.434
19)	B Endosulfa...	7.120	6.406	156.8E6	287.8E6	51.259	51.179
20)	A Methoxychlor	7.465	6.685	80931127	156.5E6	51.372	51.507
21)	B Endrin ke...	7.600	6.911	170.6E6	319.2E6	51.674	51.060
22)	Mirex	8.080	7.102	139.8E6	249.2E6	50.233	50.167

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

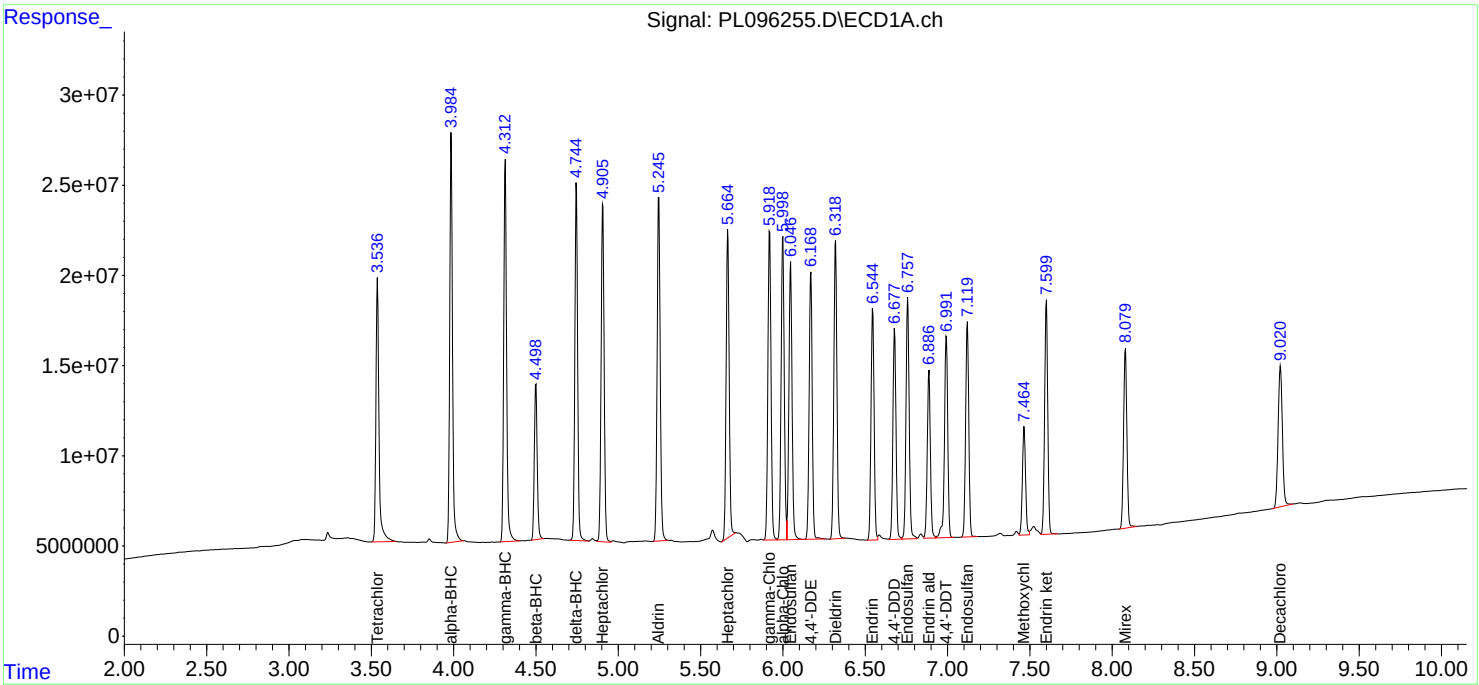
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096255.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 14:19
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

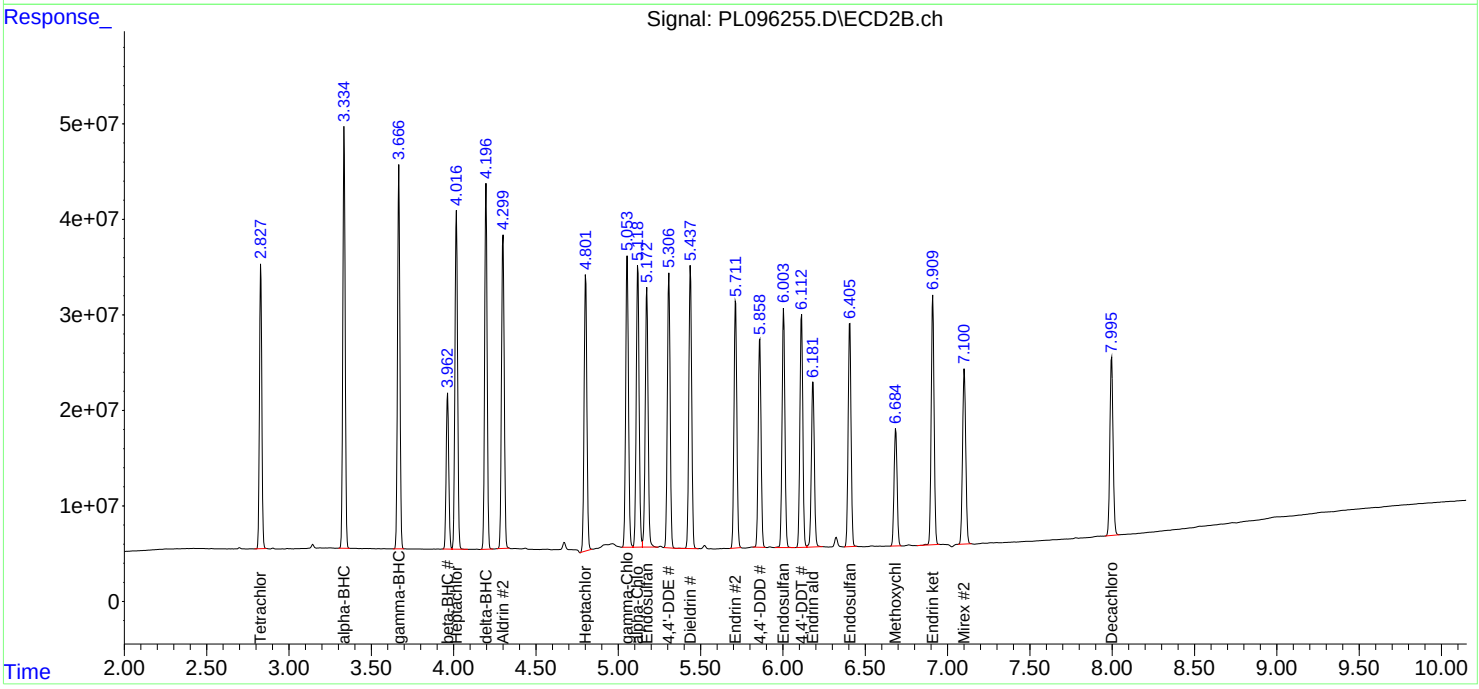
Instrument :
ECD_L
ClientSampleId :
ICVPL070725

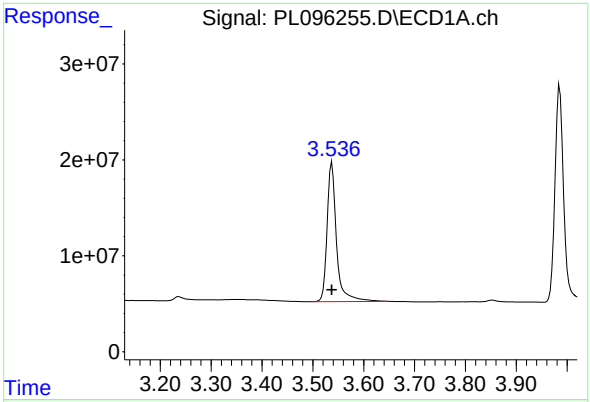
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:23:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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







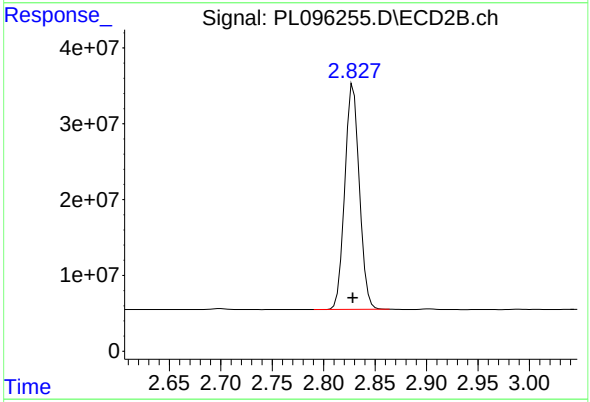
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 186539650
Conc: 51.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

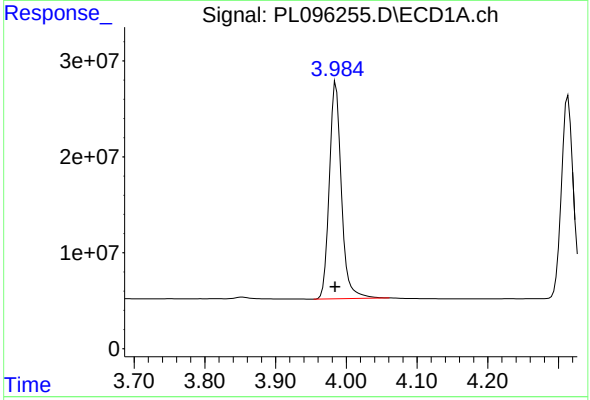
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



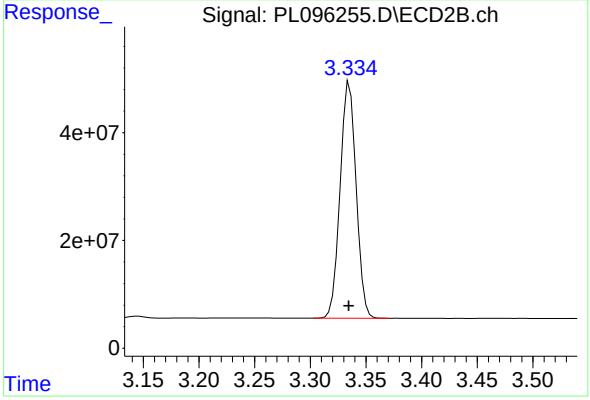
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 292757939
Conc: 50.73 ng/ml



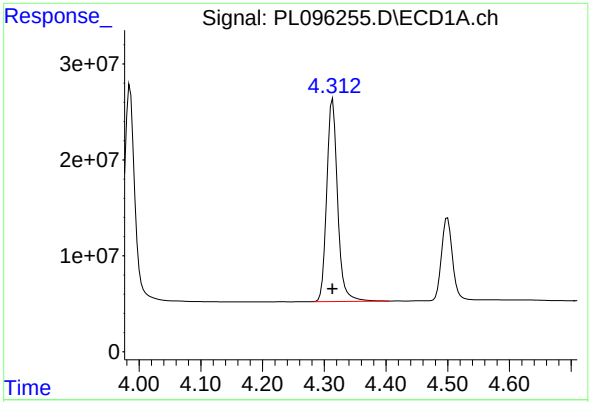
#2 alpha-BHC

R.T.: 3.985 min
Delta R.T.: 0.001 min
Response: 267907777
Conc: 52.09 ng/ml



#2 alpha-BHC

R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 439467282
Conc: 52.10 ng/ml



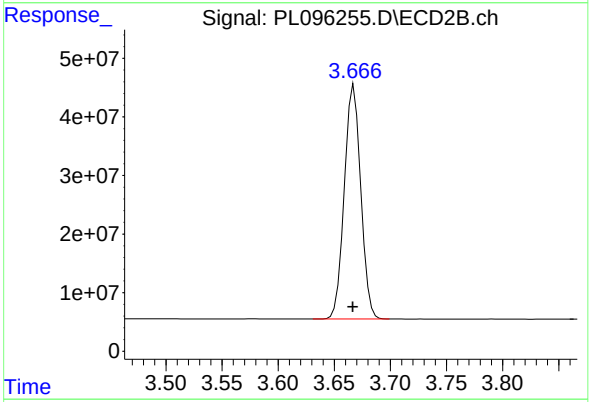
#3 gamma-BHC (Lindane)

R.T.: 4.314 min
Delta R.T.: 0.000 min
Response: 258204975
Conc: 51.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

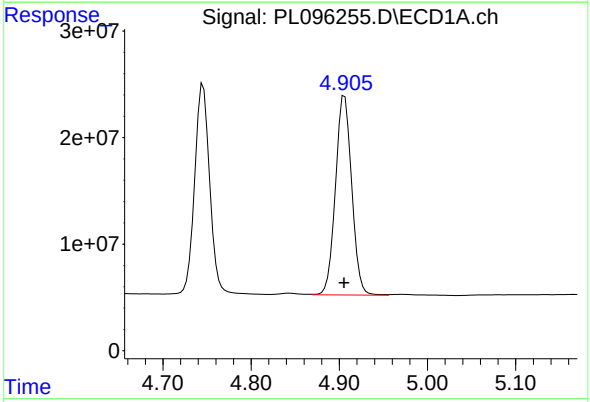
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



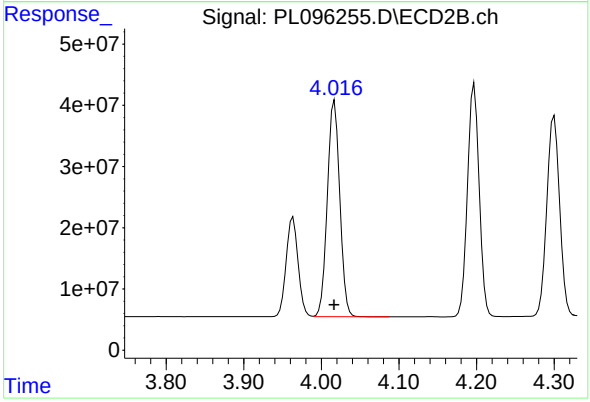
#3 gamma-BHC (Lindane)

R.T.: 3.668 min
Delta R.T.: 0.000 min
Response: 407224231
Conc: 51.71 ng/ml



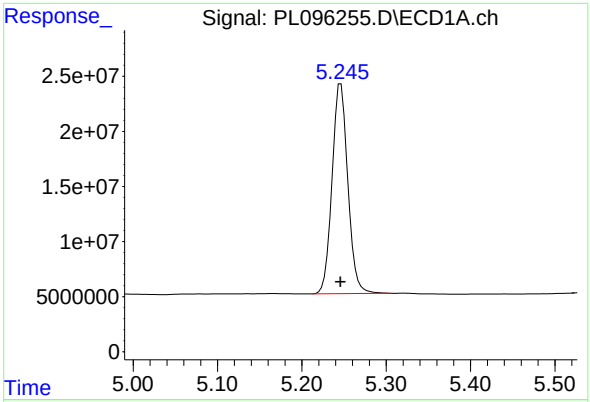
#4 Heptachlor

R.T.: 4.906 min
Delta R.T.: 0.000 min
Response: 239257721
Conc: 52.23 ng/ml



#4 Heptachlor

R.T.: 4.017 min
Delta R.T.: 0.000 min
Response: 393645051
Conc: 51.74 ng/ml



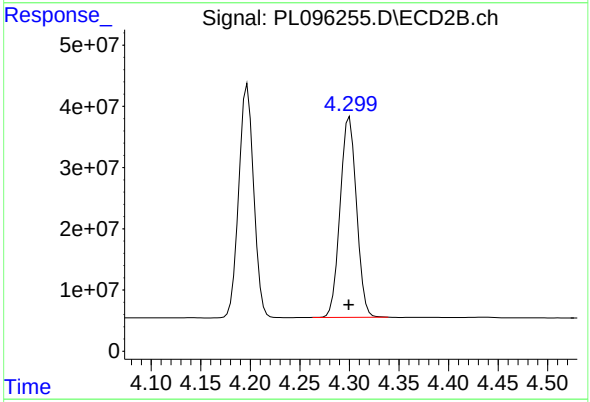
#5 Aldrin

R.T.: 5.245 min
Delta R.T.: -0.001 min
Response: 247253681
Conc: 51.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

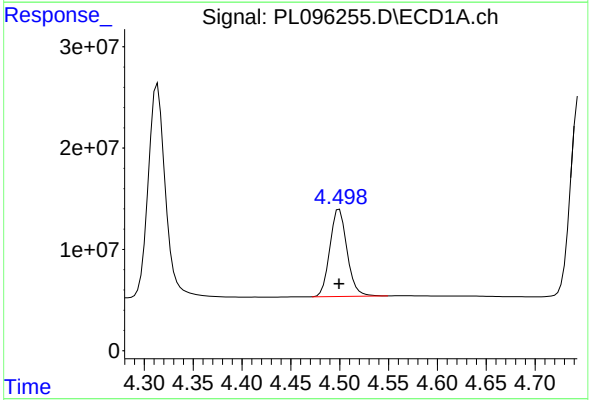
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



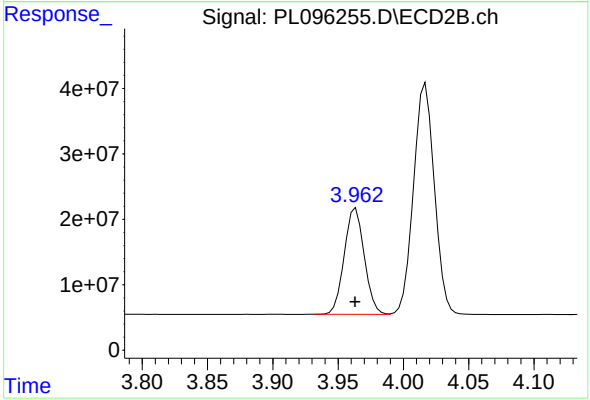
#5 Aldrin

R.T.: 4.300 min
Delta R.T.: 0.000 min
Response: 376963069
Conc: 51.67 ng/ml



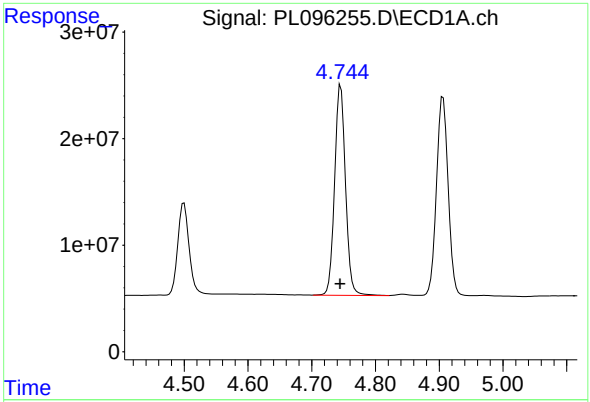
#6 beta-BHC

R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 105585547
Conc: 50.79 ng/ml



#6 beta-BHC

R.T.: 3.964 min
Delta R.T.: 0.000 min
Response: 173338446
Conc: 50.63 ng/ml



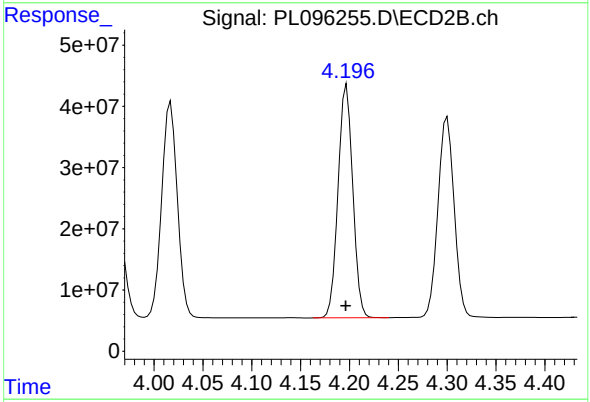
#7 delta-BHC

R.T.: 4.746 min
Delta R.T.: 0.000 min
Response: 234667452
Conc: 52.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

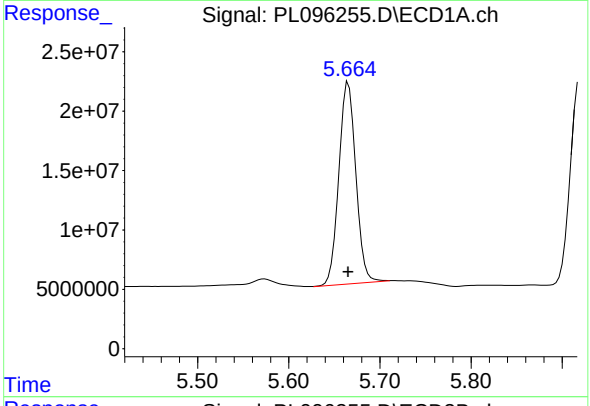
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



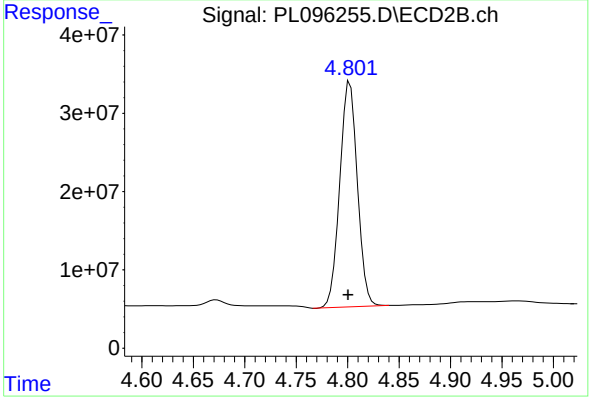
#7 delta-BHC

R.T.: 4.197 min
Delta R.T.: 0.001 min
Response: 398872355
Conc: 51.79 ng/ml



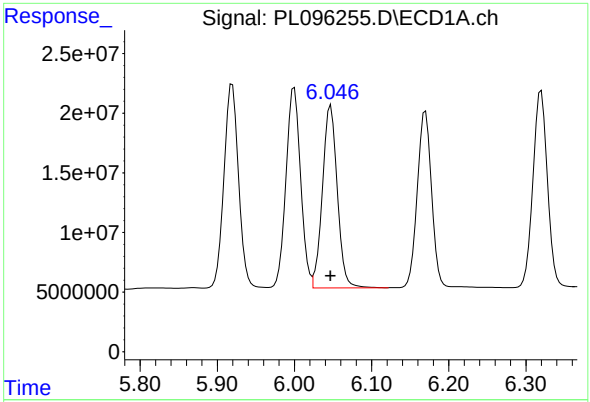
#8 Heptachlor epoxide

R.T.: 5.664 min
Delta R.T.: -0.001 min
Response: 220455792
Conc: 53.13 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.802 min
Delta R.T.: 0.002 min
Response: 343231658
Conc: 51.34 ng/ml



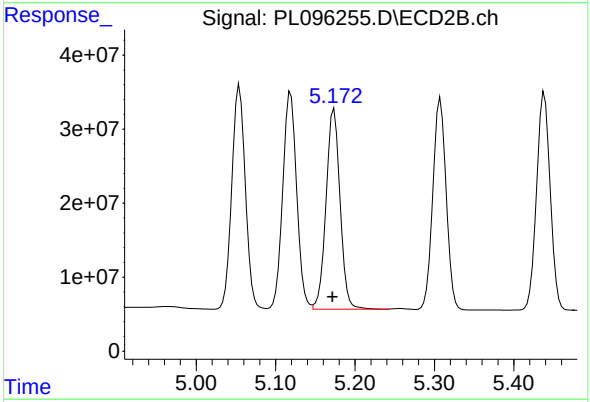
#9 Endosulfan I

R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 205217213
Conc: 50.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

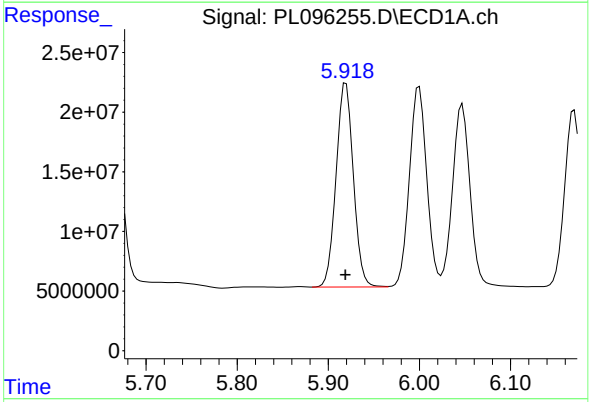
Manual Integrations APPROVED

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Supervised By :mohammad ahmed 07/09/2025



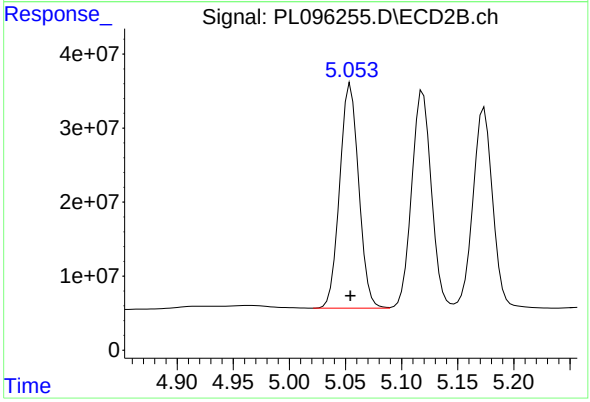
#9 Endosulfan I

R.T.: 5.174 min
Delta R.T.: 0.002 min
Response: 331072403
Conc: 46.15 ng/ml



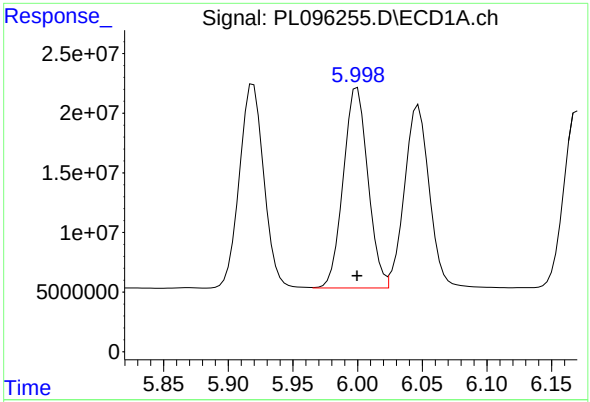
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 225536850
Conc: 50.97 ng/ml



#10 gamma-Chlordane

R.T.: 5.055 min
Delta R.T.: 0.000 min
Response: 357720812
Conc: 50.96 ng/ml



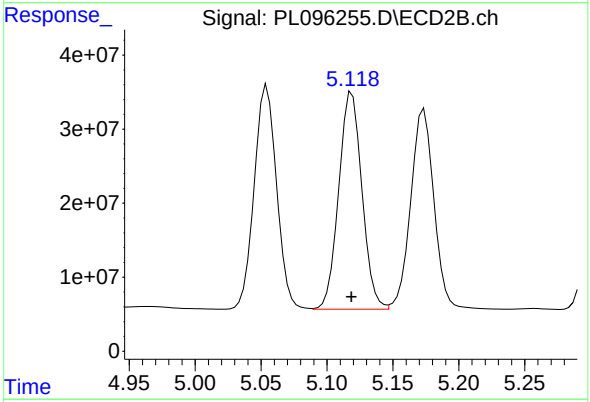
#11 alpha-Chlordane

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 222374257
Conc: 50.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

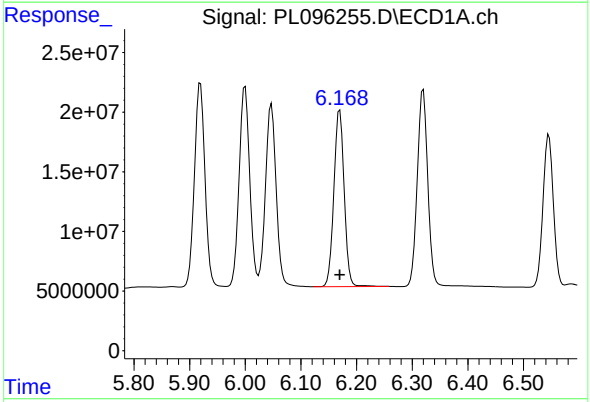
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



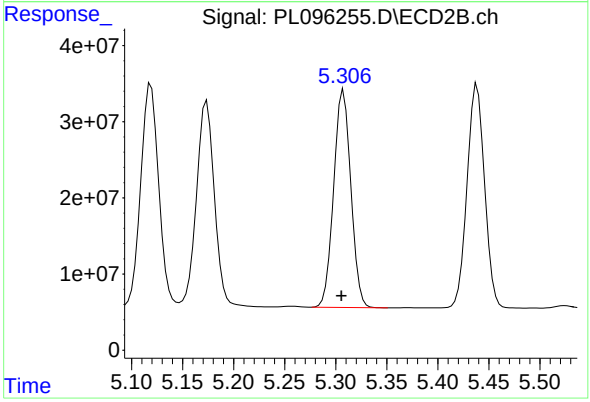
#11 alpha-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 359003046
Conc: 47.74 ng/ml



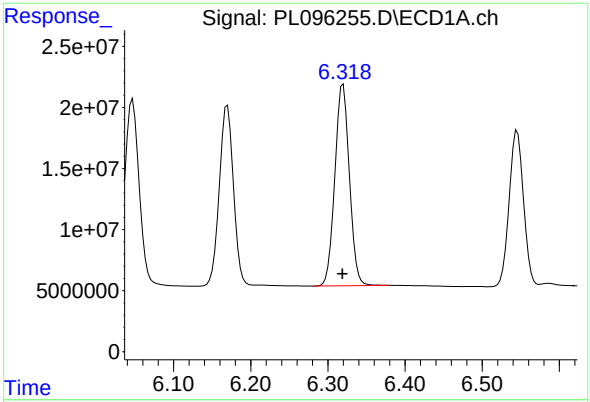
#12 4,4'-DDE

R.T.: 6.170 min
Delta R.T.: 0.000 min
Response: 190603296
Conc: 51.41 ng/ml



#12 4,4'-DDE

R.T.: 5.308 min
Delta R.T.: 0.002 min
Response: 334423899
Conc: 51.74 ng/ml



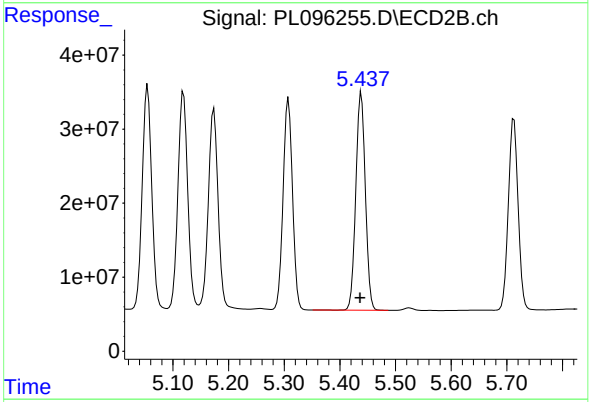
#13 Dieldrin

R.T.: 6.320 min
Delta R.T.: 0.000 min
Response: 215943692
Conc: 51.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

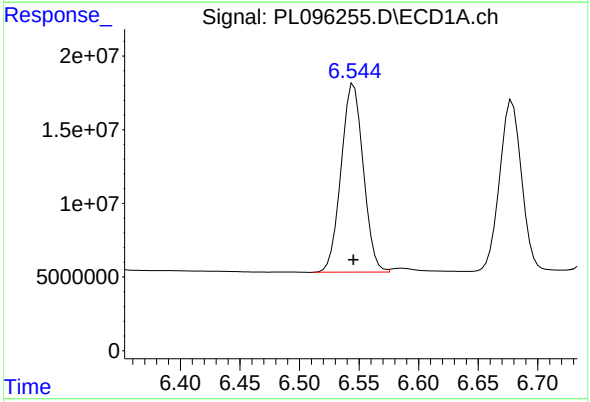
Manual Integrations APPROVED

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Supervised By :mohammad ahmed 07/09/2025



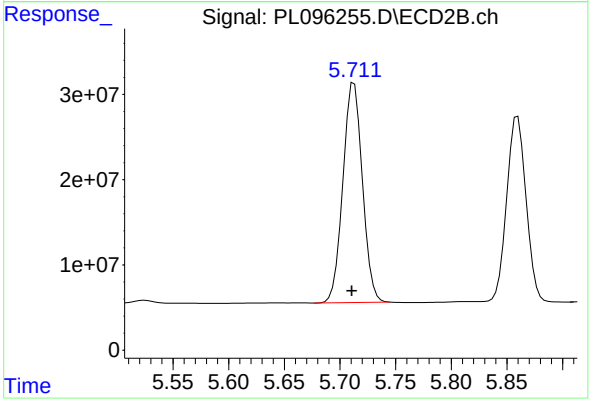
#13 Dieldrin

R.T.: 5.438 min
Delta R.T.: 0.002 min
Response: 351152654
Conc: 51.49 ng/ml



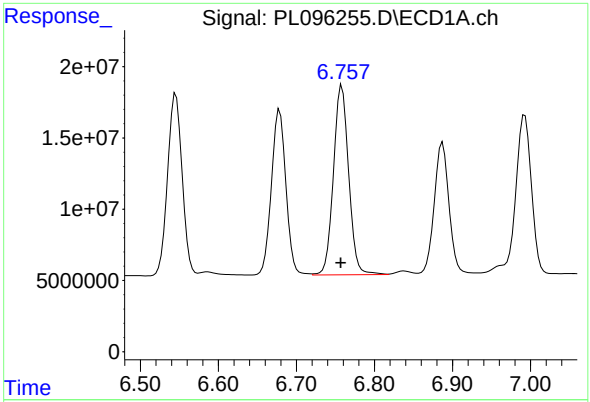
#14 Endrin

R.T.: 6.546 min
Delta R.T.: 0.000 min
Response: 165802977
Conc: 53.31 ng/ml



#14 Endrin

R.T.: 5.713 min
Delta R.T.: 0.002 min
Response: 314221022
Conc: 51.54 ng/ml



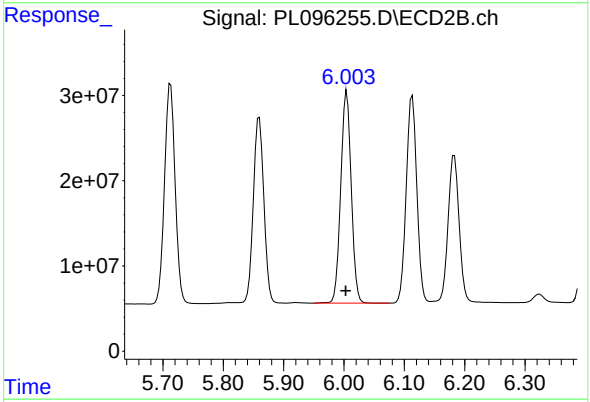
#15 Endosulfan II

R.T.: 6.758 min
Delta R.T.: 0.001 min
Response: 180601073
Conc: 52.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

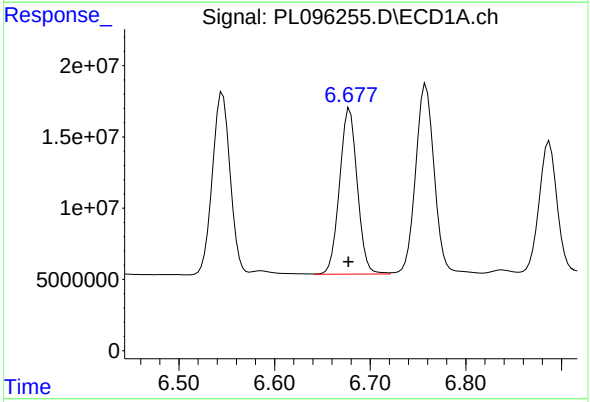
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



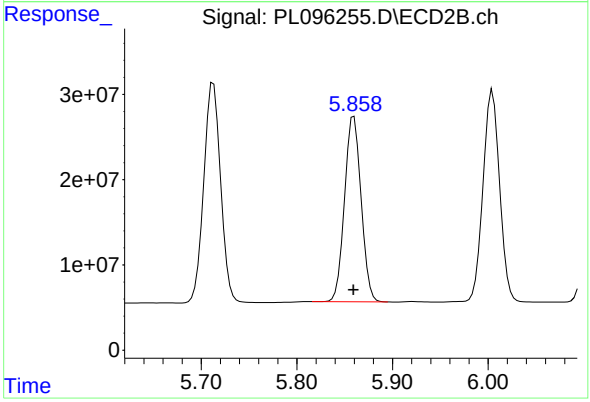
#15 Endosulfan II

R.T.: 6.005 min
Delta R.T.: 0.002 min
Response: 300706964
Conc: 51.28 ng/ml



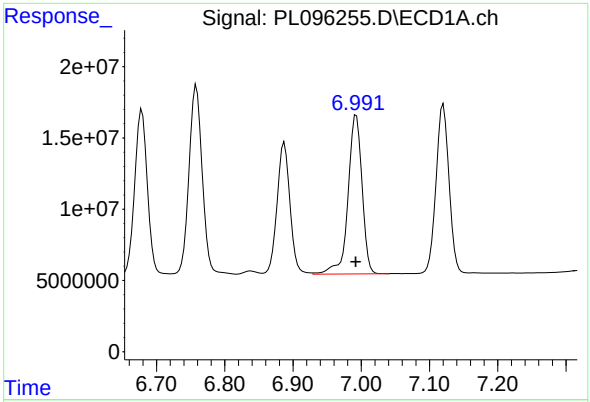
#16 4,4'-DDD

R.T.: 6.679 min
Delta R.T.: 0.001 min
Response: 150504521
Conc: 51.69 ng/ml



#16 4,4'-DDD

R.T.: 5.860 min
Delta R.T.: 0.000 min
Response: 262873762
Conc: 51.26 ng/ml



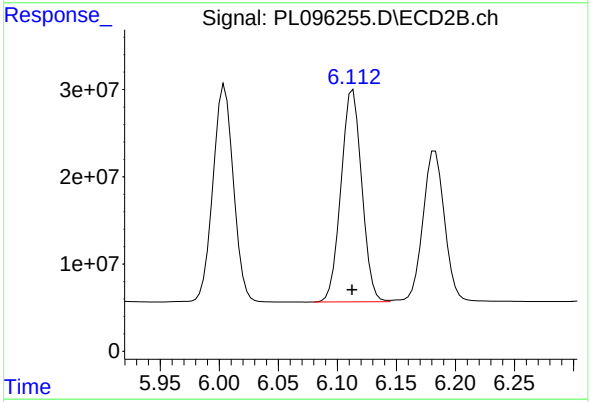
#17 4,4'-DDT

R.T.: 6.993 min
Delta R.T.: 0.000 min
Response: 158743261
Conc: 52.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

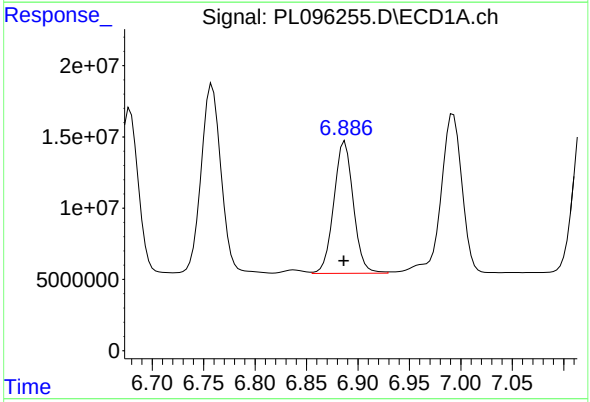
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



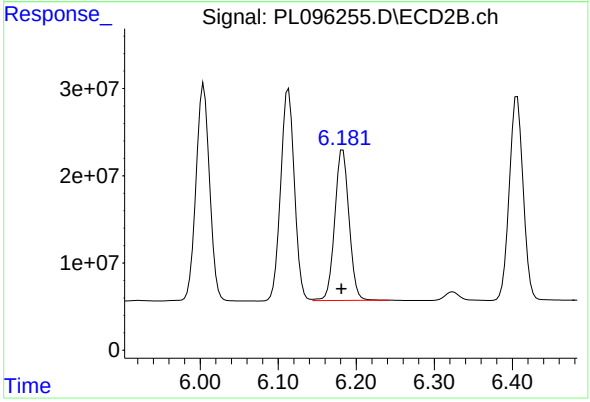
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 297635340
Conc: 51.90 ng/ml



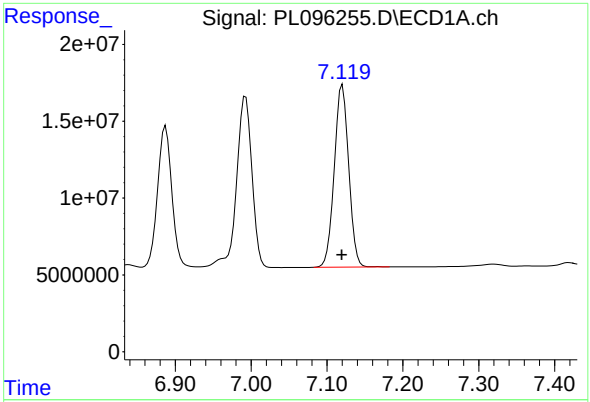
#18 Endrin aldehyde

R.T.: 6.887 min
Delta R.T.: 0.000 min
Response: 121960834
Conc: 54.56 ng/ml



#18 Endrin aldehyde

R.T.: 6.183 min
Delta R.T.: 0.002 min
Response: 220207892
Conc: 49.43 ng/ml



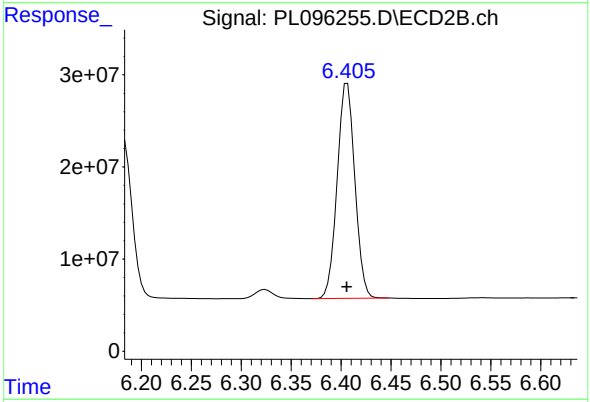
#19 Endosulfan Sulfate

R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 156791775
Conc: 51.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

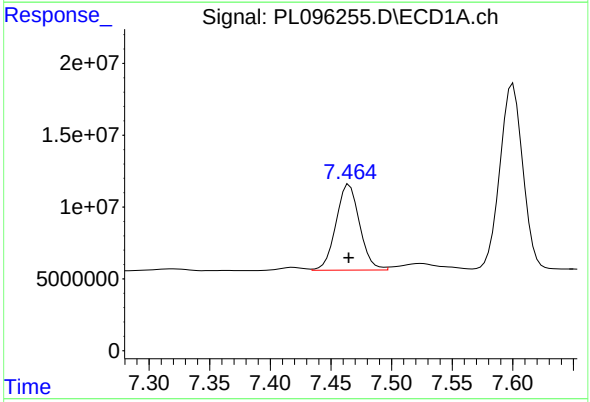
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



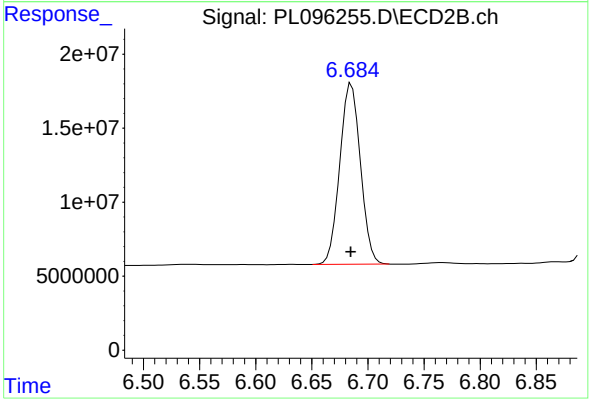
#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 287849227
Conc: 51.18 ng/ml



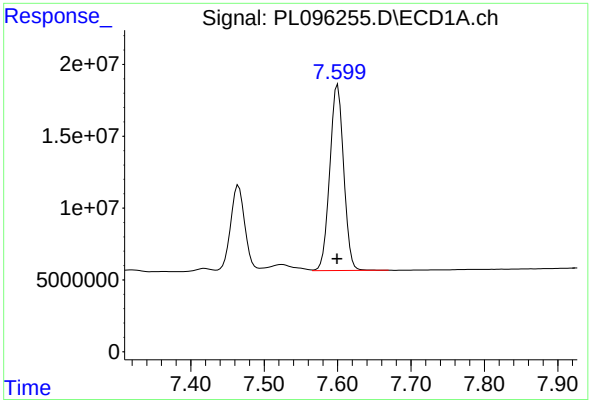
#20 Methoxychlor

R.T.: 7.465 min
Delta R.T.: 0.000 min
Response: 80931127
Conc: 51.37 ng/ml



#20 Methoxychlor

R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 156466302
Conc: 51.51 ng/ml



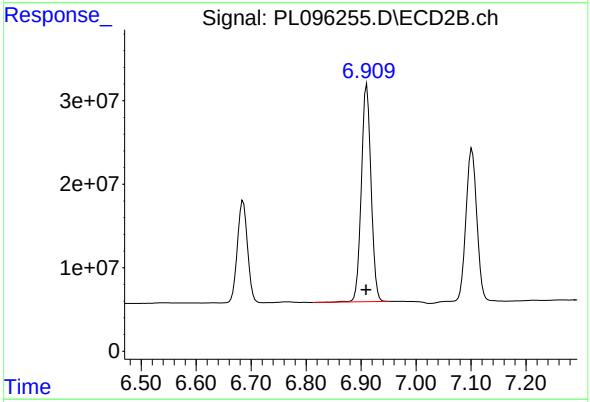
#21 Endrin ketone

R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 170609060
Conc: 51.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

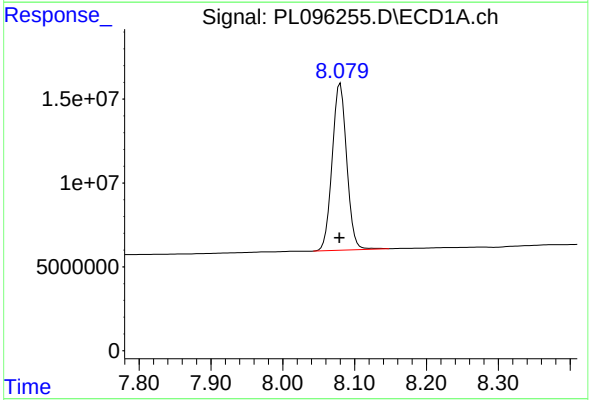
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Supervised By :mohammad ahmed 07/09/2025



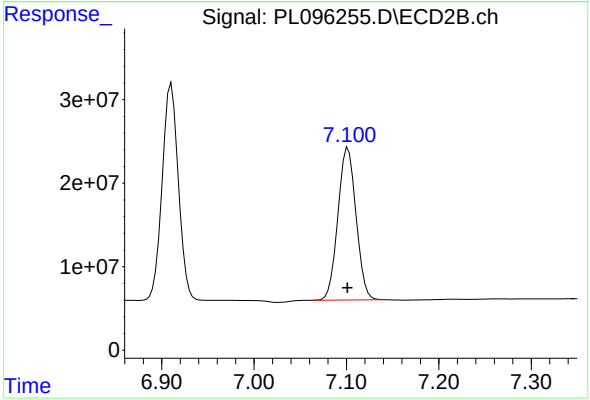
#21 Endrin ketone

R.T.: 6.911 min
Delta R.T.: 0.002 min
Response: 319242361
Conc: 51.06 ng/ml



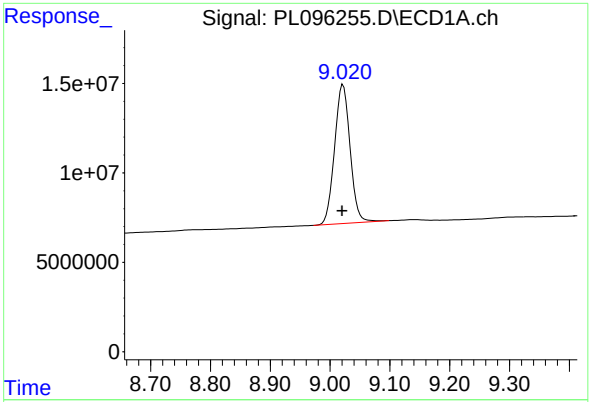
#22 Mirex

R.T.: 8.080 min
Delta R.T.: 0.002 min
Response: 139758073
Conc: 50.23 ng/ml



#22 Mirex

R.T.: 7.102 min
Delta R.T.: 0.000 min
Response: 249239419
Conc: 50.17 ng/ml



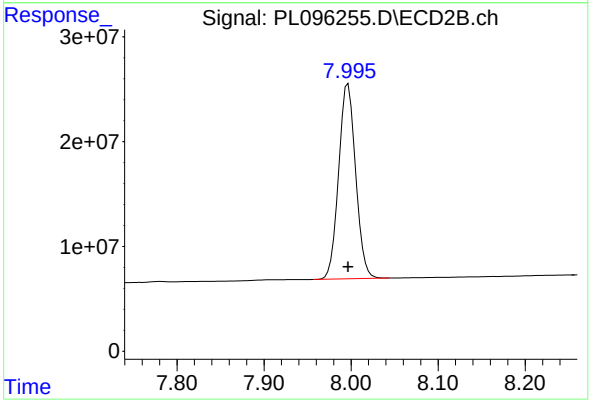
#28 Decachlorobiphenyl

R.T.: 9.022 min
Delta R.T.: 0.002 min
Response: 140644352
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

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Supervised By :mohammad ahmed 07/09/2025



#28 Decachlorobiphenyl

R.T.: 7.997 min
Delta R.T.: 0.000 min
Response: 252544515
Conc: 50.65 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Continuing Calib Date: 07/21/2025 **Initial Calibration Date(s):** 07/07/2025 07/07/2025

Continuing Calib Time: 12:44 **Initial Calibration Time(s):** 10:53 11:49

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.02	9.02	8.92	9.12	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.98	3.99	3.89	4.09	0.01
beta-BHC	4.50	4.50	4.40	4.60	0.00
delta-BHC	4.75	4.75	4.65	4.85	0.01
gamma-BHC (Lindane)	4.31	4.31	4.21	4.41	0.00
Heptachlor	4.91	4.91	4.81	5.01	0.00
Aldrin	5.24	5.25	5.15	5.35	0.01
Heptachlor epoxide	5.66	5.67	5.57	5.77	0.01
Endosulfan I	6.05	6.05	5.95	6.15	0.00
Dieldrin	6.32	6.32	6.22	6.42	0.00
4,4'-DDE	6.17	6.17	6.07	6.27	0.00
Endrin	6.55	6.55	6.45	6.65	0.00
Endosulfan II	6.76	6.76	6.66	6.86	0.00
4,4'-DDD	6.68	6.68	6.58	6.78	0.00
Endosulfan sulfate	7.12	7.12	7.02	7.22	0.00
4,4'-DDT	6.99	6.99	6.89	7.09	0.00
Methoxychlor	7.47	7.46	7.36	7.56	-0.01
Endrin ketone	7.60	7.60	7.50	7.70	0.00
Endrin aldehyde	6.89	6.89	6.79	6.99	0.00
alpha-Chlordane	6.00	6.00	5.90	6.10	0.00
gamma-Chlordane	5.92	5.92	5.82	6.02	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Continuing Calib Date: 07/21/2025 **Initial Calibration Date(s):** 07/07/2025 07/07/2025

Continuing Calib Time: 12:44 **Initial Calibration Time(s):** 10:53 11:49

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.99	8.00	7.90	8.10	0.01
Tetrachloro-m-xylene	2.83	2.83	2.73	2.93	0.00
alpha-BHC	3.33	3.34	3.24	3.44	0.01
beta-BHC	3.96	3.96	3.86	4.06	0.00
delta-BHC	4.19	4.20	4.10	4.30	0.01
gamma-BHC (Lindane)	3.67	3.67	3.57	3.77	0.01
Heptachlor	4.01	4.02	3.92	4.12	0.01
Aldrin	4.30	4.30	4.20	4.40	0.00
Heptachlor epoxide	4.80	4.80	4.70	4.90	0.00
Endosulfan I	5.17	5.17	5.07	5.27	0.00
Dieldrin	5.43	5.44	5.34	5.54	0.01
4,4'-DDE	5.31	5.31	5.21	5.41	0.01
Endrin	5.71	5.71	5.61	5.81	0.00
Endosulfan II	6.00	6.00	5.90	6.10	0.00
4,4'-DDD	5.86	5.86	5.76	5.96	0.00
Endosulfan sulfate	6.40	6.41	6.31	6.51	0.01
4,4'-DDT	6.11	6.11	6.01	6.21	0.00
Methoxychlor	6.68	6.68	6.58	6.78	0.00
Endrin ketone	6.91	6.91	6.81	7.01	0.00
Endrin aldehyde	6.18	6.18	6.08	6.28	0.00
alpha-Chlordane	5.12	5.12	5.02	5.22	0.00
gamma-Chlordane	5.05	5.05	4.95	5.15	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

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

Client Sample No.: CCAL01 **Date Analyzed:** 07/21/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL096481.D **Time Analyzed:** 12:44

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.677	6.578	6.778	57.370	50.000	14.7
4,4'-DDE	6.168	6.069	6.269	52.020	50.000	4.0
4,4'-DDT	6.992	6.892	7.092	52.760	50.000	5.5
Aldrin	5.244	5.146	5.346	53.100	50.000	6.2
alpha-BHC	3.983	3.885	4.085	55.090	50.000	10.2
alpha-Chlordane	5.998	5.900	6.100	53.470	50.000	6.9
beta-BHC	4.498	4.399	4.599	54.980	50.000	10.0
Decachlorobiphenyl	9.019	8.920	9.120	49.240	50.000	-1.5
delta-BHC	4.745	4.646	4.846	56.040	50.000	12.1
Dieldrin	6.318	6.219	6.419	52.380	50.000	4.8
Endosulfan I	6.046	5.947	6.147	53.130	50.000	6.3
Endosulfan II	6.757	6.658	6.858	57.670	50.000	15.3
Endosulfan sulfate	7.120	7.019	7.219	52.940	50.000	5.9
Endrin	6.545	6.445	6.645	54.660	50.000	9.3
Endrin aldehyde	6.885	6.786	6.986	58.330	50.000	16.7
Endrin ketone	7.599	7.500	7.700	52.170	50.000	4.3
gamma-BHC (Lindane)	4.312	4.213	4.413	54.280	50.000	8.6
gamma-Chlordane	5.918	5.819	6.019	54.730	50.000	9.5
Heptachlor	4.905	4.806	5.006	54.150	50.000	8.3
Heptachlor epoxide	5.663	5.565	5.765	55.650	50.000	11.3
Methoxychlor	7.465	7.364	7.564	50.090	50.000	0.2
Tetrachloro-m-xylene	3.536	3.438	3.638	53.580	50.000	7.2

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

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

Client Sample No.: CCAL01 **Date Analyzed:** 07/21/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL096481.D **Time Analyzed:** 12:44

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.857	5.759	5.959	59.310	50.000	18.6
4,4'-DDE	5.305	5.207	5.407	55.690	50.000	11.4
4,4'-DDT	6.110	6.012	6.212	51.860	50.000	3.7
Aldrin	4.297	4.200	4.400	56.960	50.000	13.9
alpha-BHC	3.333	3.235	3.435	58.250	50.000	16.5
alpha-Chlordane	5.116	5.018	5.218	50.730	50.000	1.5
beta-BHC	3.961	3.863	4.063	55.820	50.000	11.6
Decachlorobiphenyl	7.994	7.896	8.096	51.620	50.000	3.2
delta-BHC	4.194	4.097	4.297	57.230	50.000	14.5
Dieldrin	5.434	5.338	5.538	56.260	50.000	12.5
Endosulfan I	5.170	5.073	5.273	47.510	50.000	-5.0
Endosulfan II	6.001	5.904	6.104	55.210	50.000	10.4
Endosulfan sulfate	6.404	6.306	6.506	56.250	50.000	12.5
Endrin	5.710	5.612	5.812	53.460	50.000	6.9
Endrin aldehyde	6.180	6.082	6.282	54.260	50.000	8.5
Endrin ketone	6.908	6.810	7.010	56.320	50.000	12.6
gamma-BHC (Lindane)	3.665	3.567	3.767	57.430	50.000	14.9
gamma-Chlordane	5.051	4.954	5.154	55.790	50.000	11.6
Heptachlor	4.014	3.917	4.117	56.120	50.000	12.2
Heptachlor epoxide	4.799	4.702	4.902	55.580	50.000	11.2
Methoxychlor	6.682	6.584	6.784	51.240	50.000	2.5
Tetrachloro-m-xylene	2.828	2.729	2.929	56.730	50.000	13.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096481.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:44
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:43:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.828	195.5E6	327.4E6	53.580	56.732
28)	SA Decachlor...	9.019	7.994	138.5E6	257.4E6	49.243	51.623
	Target Compounds						
2)	A alpha-BHC	3.983	3.333	283.4E6	491.3E6	55.094	58.248
3)	MA gamma-BHC...	4.312	3.665	270.3E6	452.3E6	54.277	57.430
4)	MA Heptachlor	4.905	4.014	248.1E6	427.0E6	54.153	56.123
5)	MB Aldrin	5.244	4.297	256.7E6	415.6E6	53.102	56.964
6)	B beta-BHC	4.498	3.961	114.3E6	191.1E6	54.981	55.822
7)	B delta-BHC	4.745	4.194	251.1E6	440.8E6	56.040	57.229
8)	B Heptachlo...	5.663	4.799	230.9E6	371.6E6	55.645m	55.584
9)	A Endosulfan I	6.046	5.170	214.5E6	340.8E6	53.128	47.509
10)	B gamma-Chl...	5.918	5.051	242.2E6	391.6E6	54.732	55.792
11)	B alpha-Chl...	5.998	5.116	234.1E6	381.5E6	53.469	50.731
12)	B 4,4'-DDE	6.168	5.305	192.9E6	360.0E6	52.020	55.689
13)	MA Dieldrin	6.318	5.434	221.5E6	383.6E6	52.376	56.259m
14)	MA Endrin	6.545	5.710	170.0E6	325.9E6	54.664	53.463
15)	B Endosulfa...	6.757	6.001	200.1E6	323.7E6	57.672	55.207
16)	A 4,4'-DDD	6.677	5.857	167.0E6	304.2E6	57.367	59.309
17)	MA 4,4'-DDT	6.992	6.110	160.1E6	297.4E6	52.761	51.858
18)	B Endrin al...	6.885	6.180	130.4E6	241.7E6	58.331m	54.263
19)	B Endosulfa...	7.120	6.404	161.9E6	316.4E6	52.942	56.248
20)	A Methoxychlor	7.465	6.682	78916887	155.7E6	50.093	51.238
21)	B Endrin ke...	7.599	6.908	172.2E6	352.1E6	52.169	56.318
22)	Mirex	8.079	7.099	140.9E6	262.8E6	50.647	52.894

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

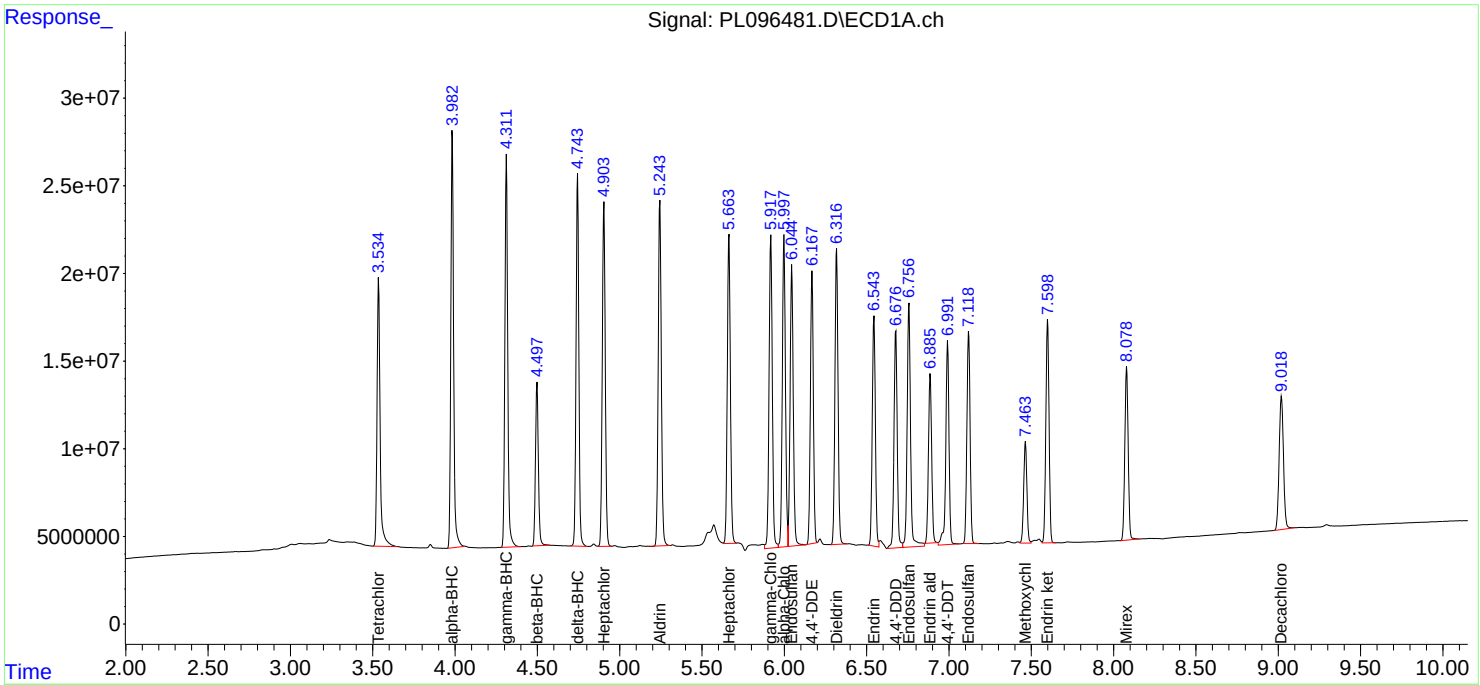
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096481.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:44
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

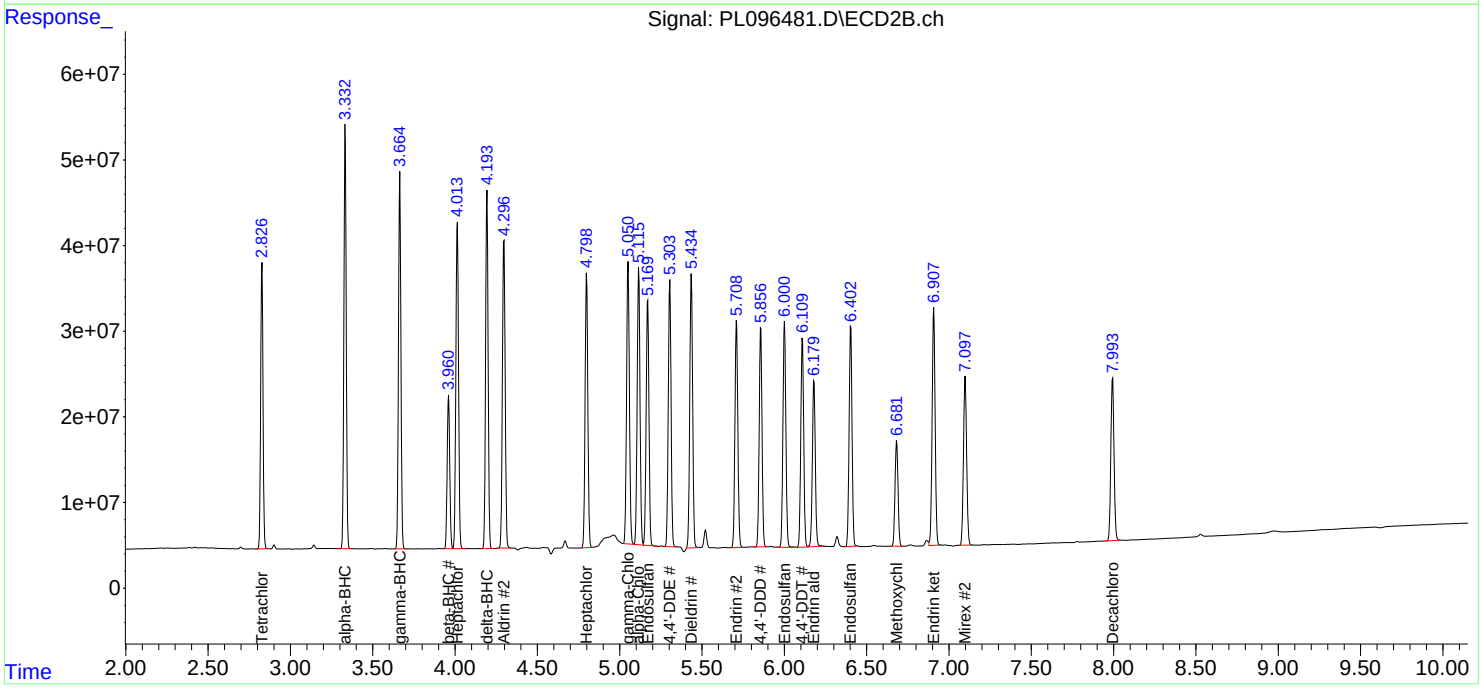
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

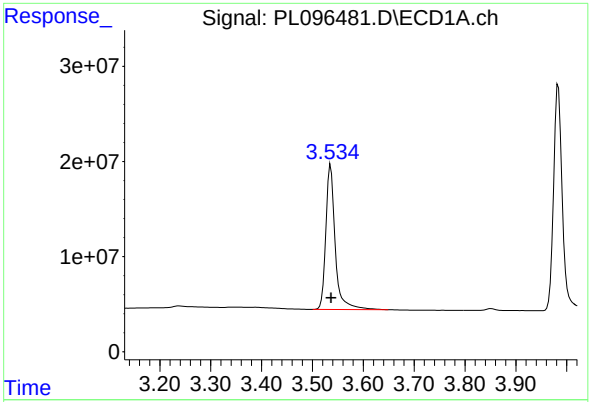
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:43:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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







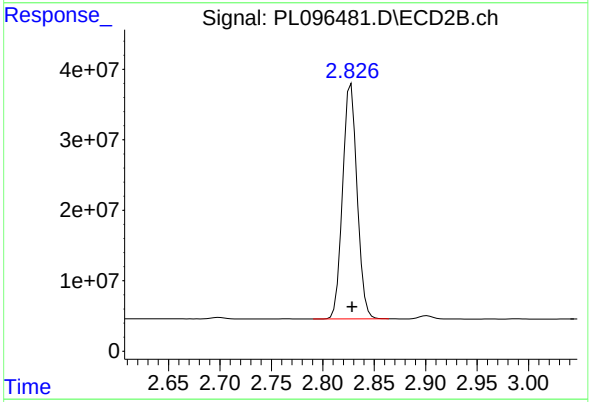
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.001 min
Response: 195513760
Conc: 53.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

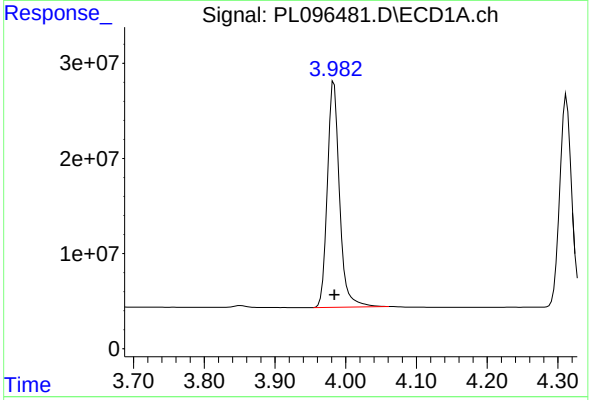
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



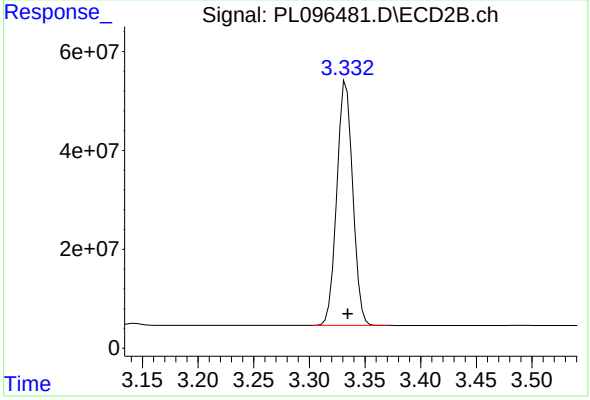
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 327412617
Conc: 56.73 ng/ml



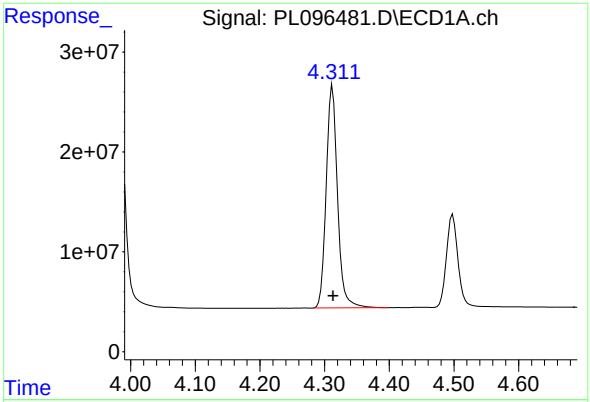
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 283356427
Conc: 55.09 ng/ml



#2 alpha-BHC

R.T.: 3.333 min
Delta R.T.: -0.001 min
Response: 491281508
Conc: 58.25 ng/ml



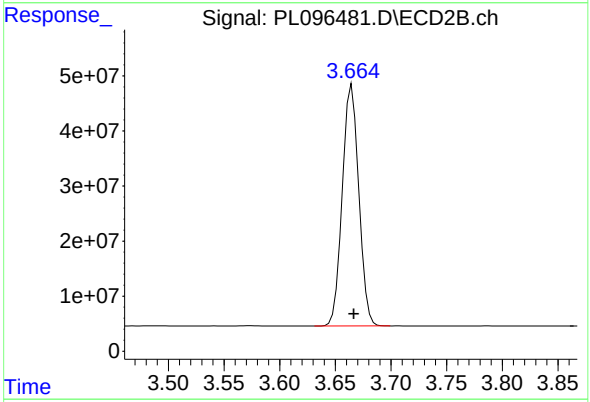
#3 gamma-BHC (Lindane)

R.T.: 4.312 min
Delta R.T.: 0.000 min
Response: 270280418
Conc: 54.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

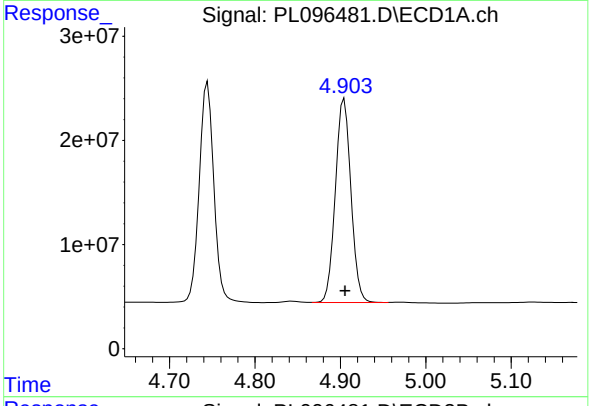
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



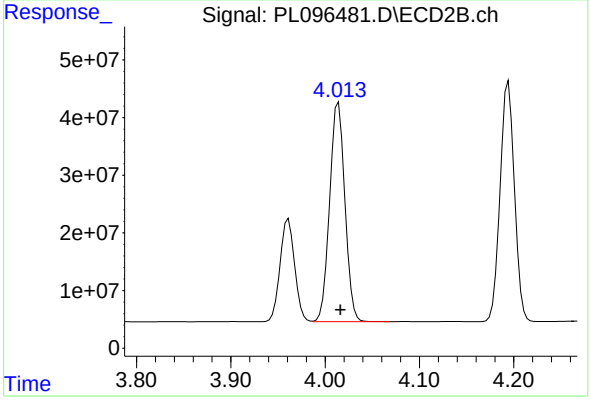
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: -0.002 min
Response: 452314672
Conc: 57.43 ng/ml



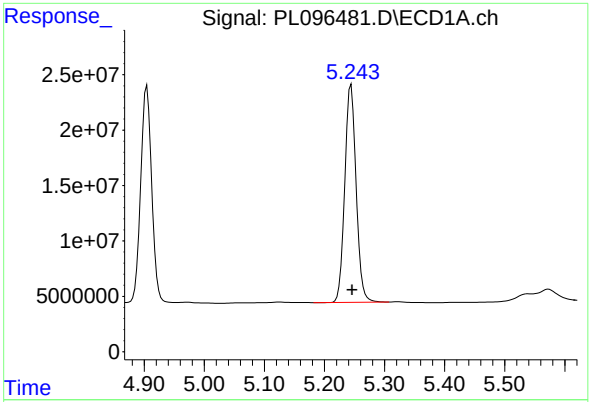
#4 Heptachlor

R.T.: 4.905 min
Delta R.T.: 0.000 min
Response: 248085203
Conc: 54.15 ng/ml



#4 Heptachlor

R.T.: 4.014 min
Delta R.T.: -0.002 min
Response: 426968562
Conc: 56.12 ng/ml



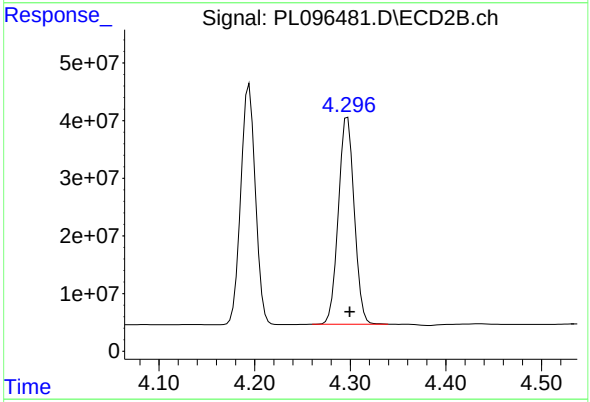
#5 Aldrin

R.T.: 5.244 min
Delta R.T.: -0.002 min
Response: 256680586
Conc: 53.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

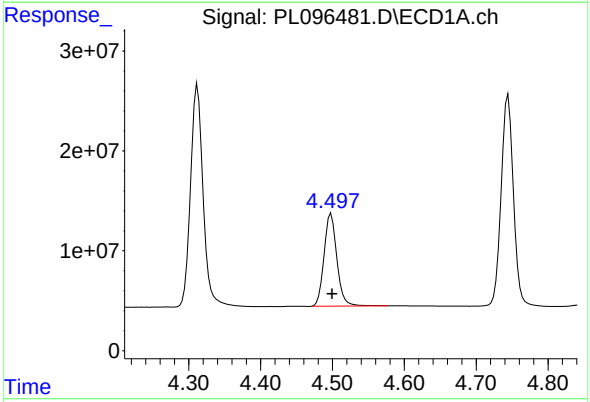
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



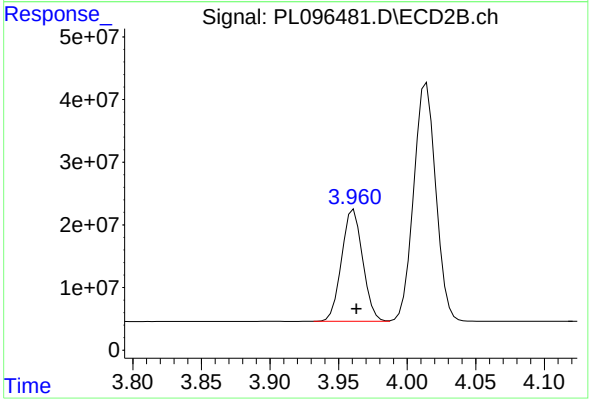
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: -0.002 min
Response: 415588424
Conc: 56.96 ng/ml



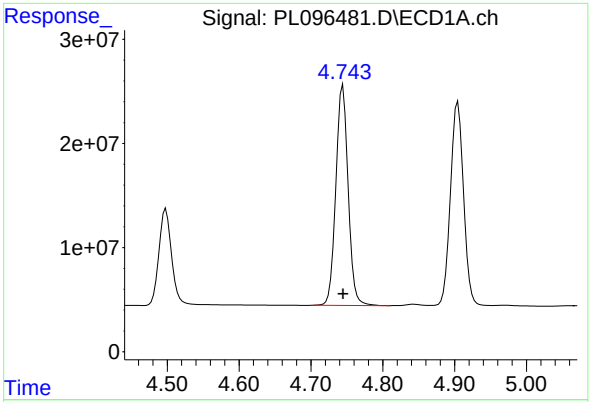
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: -0.001 min
Response: 114294654
Conc: 54.98 ng/ml



#6 beta-BHC

R.T.: 3.961 min
Delta R.T.: -0.002 min
Response: 191130987
Conc: 55.82 ng/ml



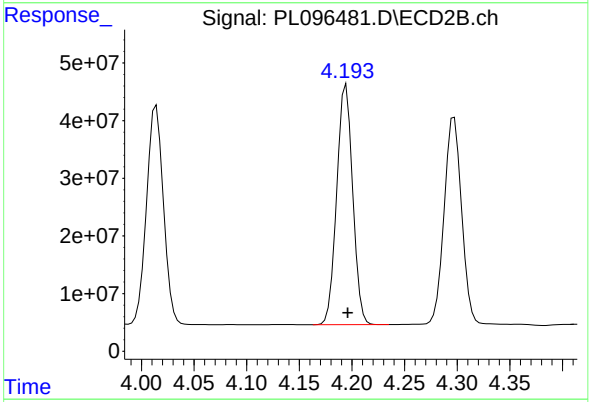
#7 delta-BHC

R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 251135167
Conc: 56.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

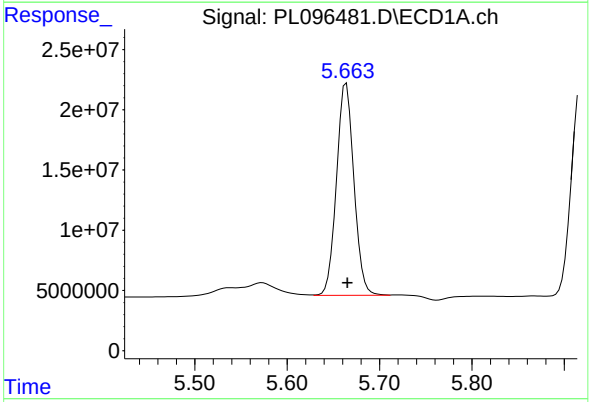
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



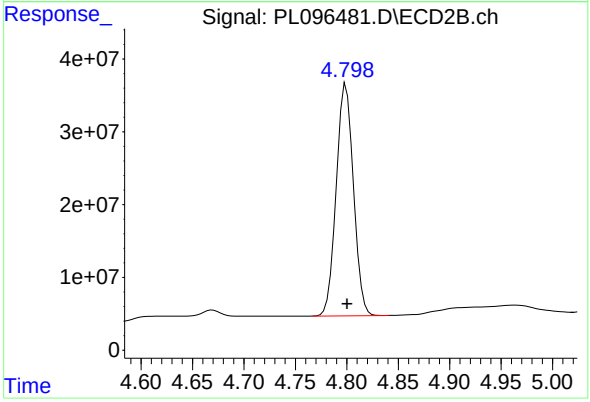
#7 delta-BHC

R.T.: 4.194 min
Delta R.T.: -0.002 min
Response: 440771516
Conc: 57.23 ng/ml



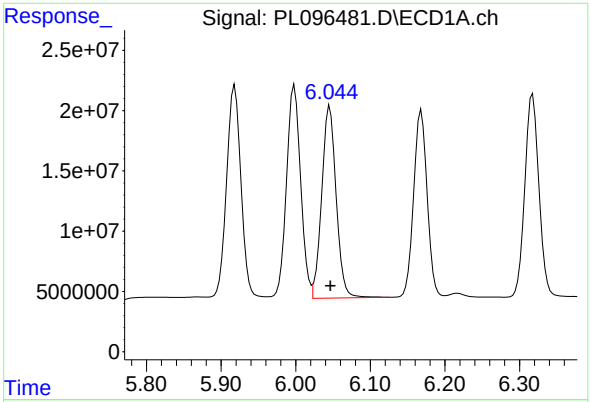
#8 Heptachlor epoxide

R.T.: 5.663 min
Delta R.T.: -0.003 min
Response: 230880276
Conc: 55.65 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.799 min
Delta R.T.: -0.001 min
Response: 371572433
Conc: 55.58 ng/ml



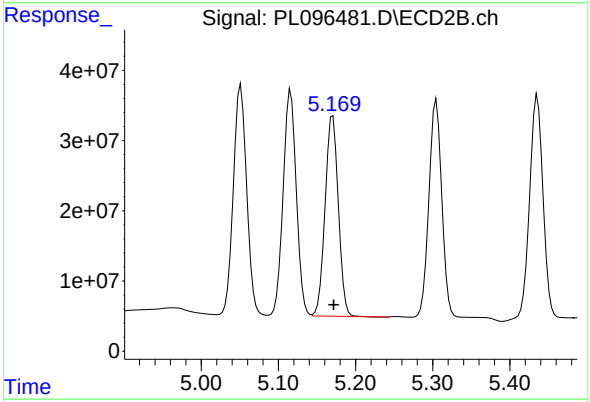
#9 Endosulfan I

R.T.: 6.046 min
Delta R.T.: -0.001 min
Response: 214492932
Conc: 53.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

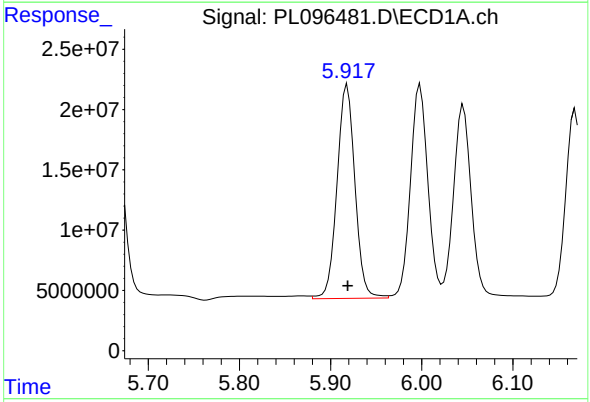
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



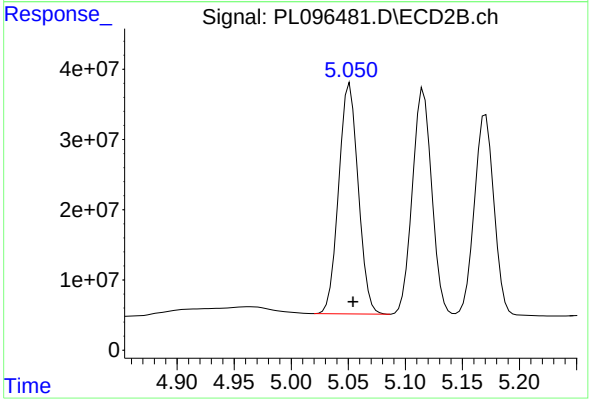
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: -0.001 min
Response: 340837162
Conc: 47.51 ng/ml



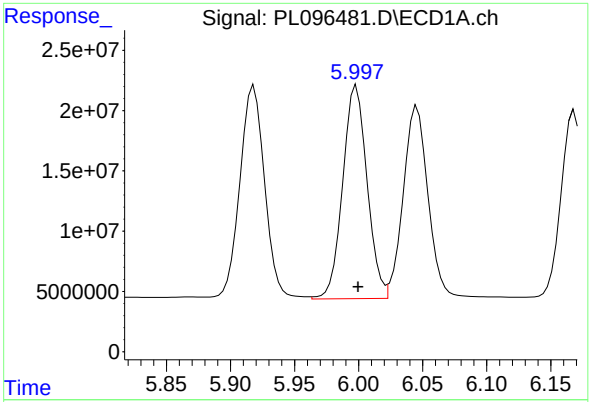
#10 gamma-Chlordane

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 242179956
Conc: 54.73 ng/ml



#10 gamma-Chlordane

R.T.: 5.051 min
Delta R.T.: -0.003 min
Response: 391642865
Conc: 55.79 ng/ml



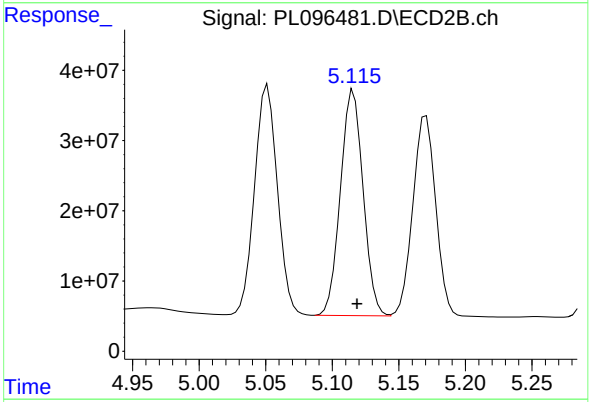
#11 alpha-Chlordane

R.T.: 5.998 min
Delta R.T.: -0.001 min
Response: 234134052
Conc: 53.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

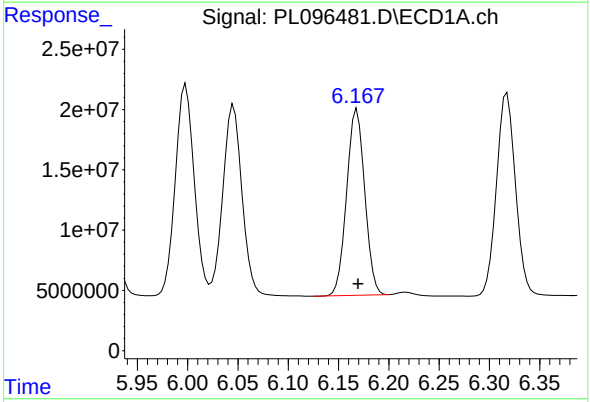
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



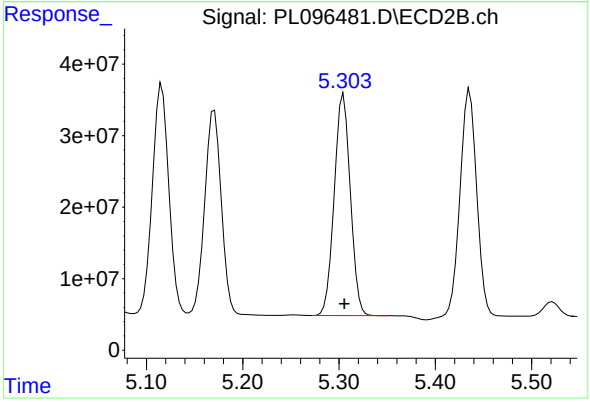
#11 alpha-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.003 min
Response: 381508807
Conc: 50.73 ng/ml



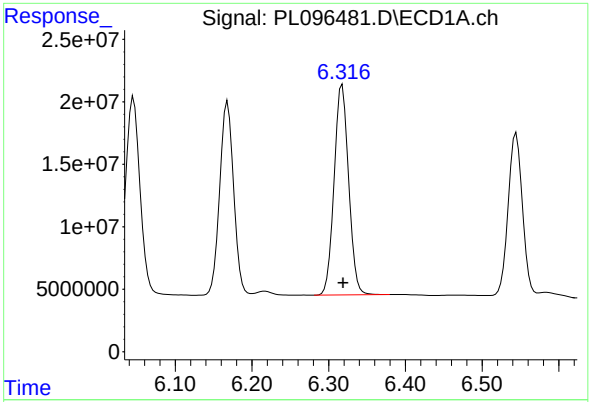
#12 4,4'-DDE

R.T.: 6.168 min
Delta R.T.: -0.001 min
Response: 192862822
Conc: 52.02 ng/ml



#12 4,4'-DDE

R.T.: 5.305 min
Delta R.T.: 0.000 min
Response: 359957365
Conc: 55.69 ng/ml



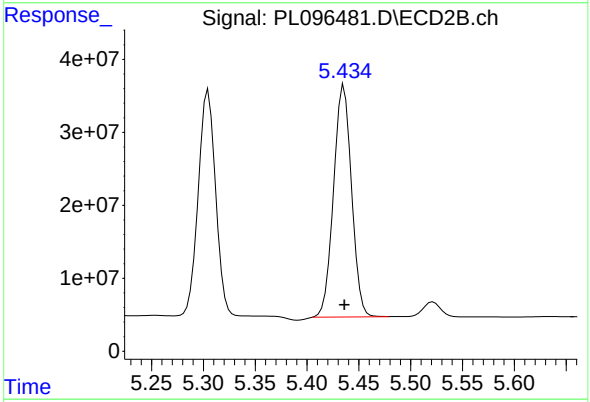
#13 Dieldrin

R.T.: 6.318 min
Delta R.T.: -0.001 min
Response: 221468778
Conc: 52.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

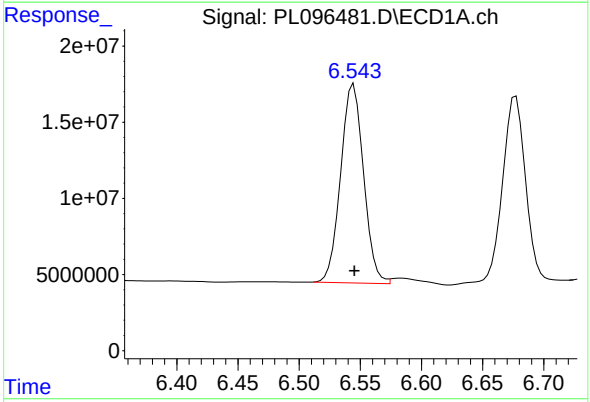
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



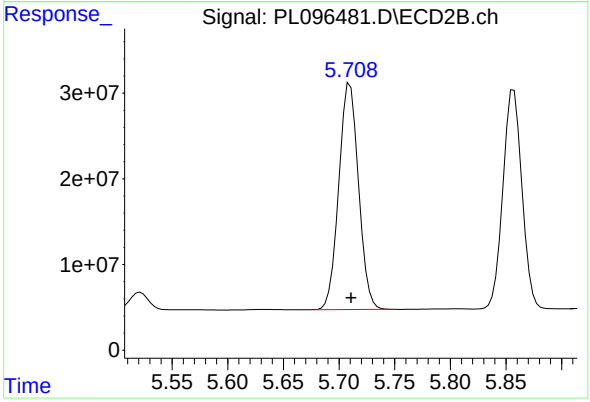
#13 Dieldrin

R.T.: 5.434 min
Delta R.T.: -0.002 min
Response: 383646060
Conc: 56.26 ng/ml m



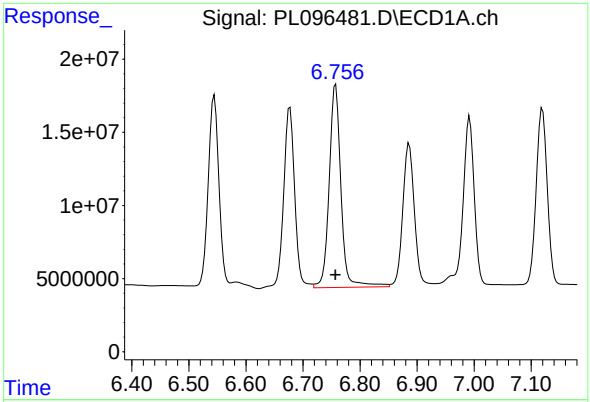
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 170016032
Conc: 54.66 ng/ml



#14 Endrin

R.T.: 5.710 min
Delta R.T.: 0.000 min
Response: 325939824
Conc: 53.46 ng/ml



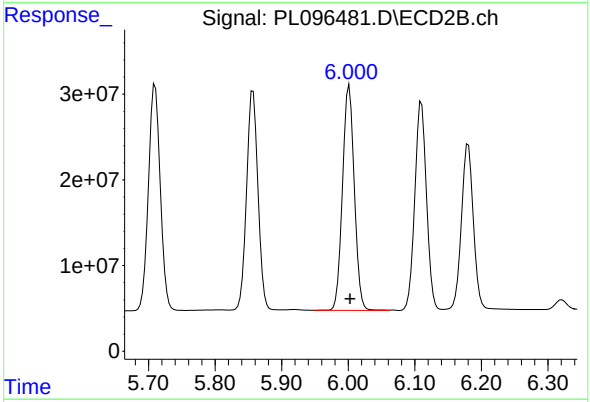
#15 Endosulfan II

R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 200123748
Conc: 57.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

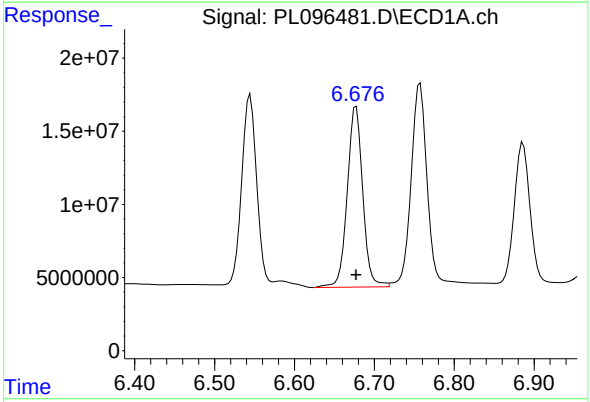
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



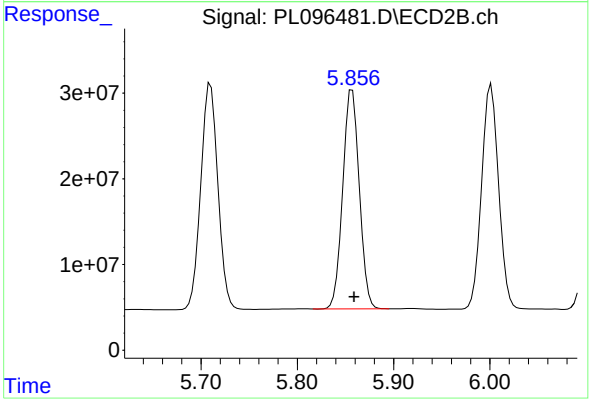
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: -0.001 min
Response: 323727891
Conc: 55.21 ng/ml



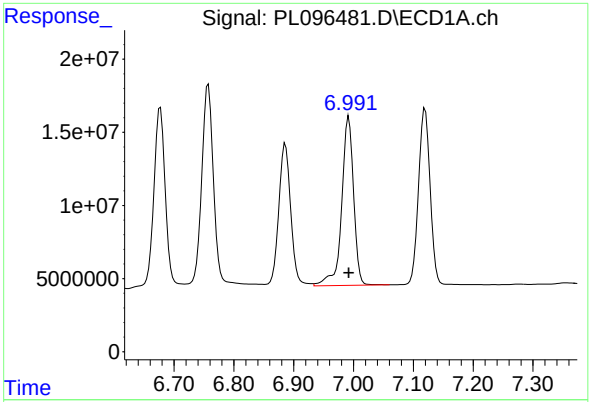
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 167036499
Conc: 57.37 ng/ml



#16 4,4'-DDD

R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 304176848
Conc: 59.31 ng/ml



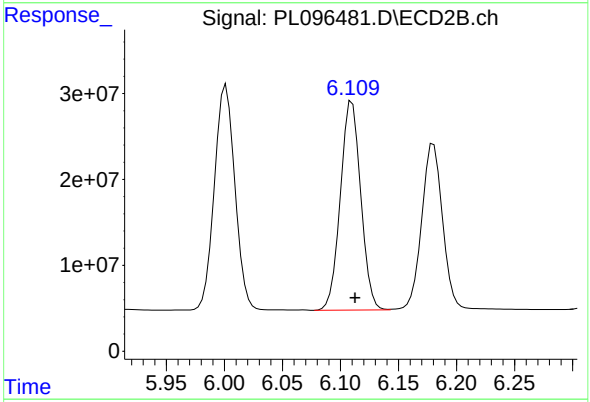
#17 4,4'-DDT

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 160141968
Conc: 52.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

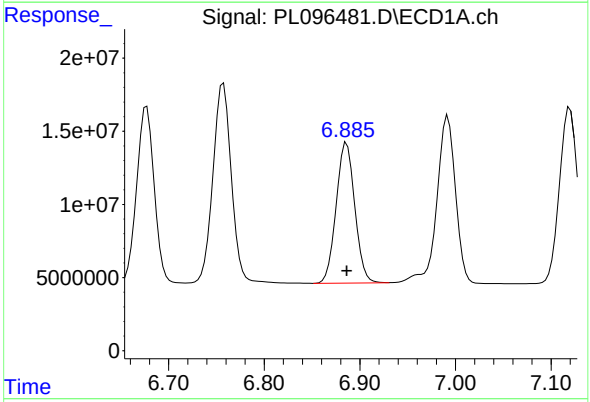
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



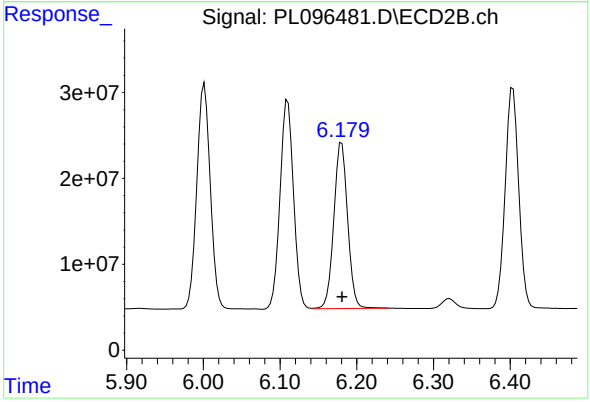
#17 4,4'-DDT

R.T.: 6.110 min
Delta R.T.: -0.003 min
Response: 297411752
Conc: 51.86 ng/ml



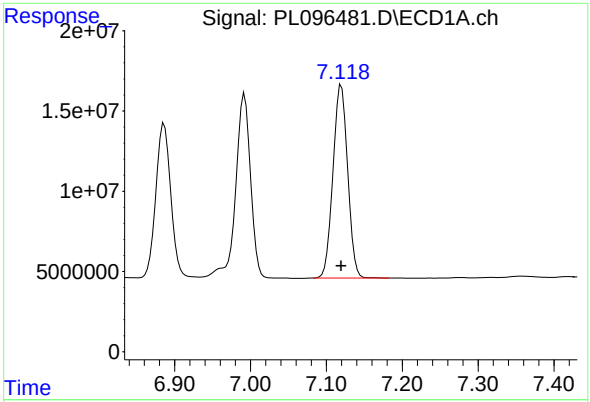
#18 Endrin aldehyde

R.T.: 6.885 min
Delta R.T.: -0.002 min
Response: 130401403
Conc: 58.33 ng/ml m



#18 Endrin aldehyde

R.T.: 6.180 min
Delta R.T.: 0.000 min
Response: 241719954
Conc: 54.26 ng/ml



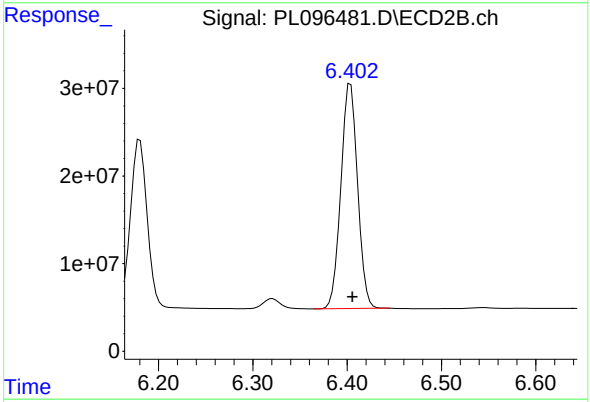
#19 Endosulfan Sulfate

R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 161941490
Conc: 52.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

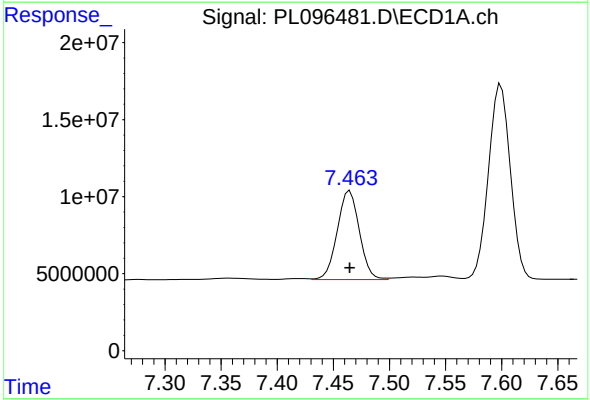
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



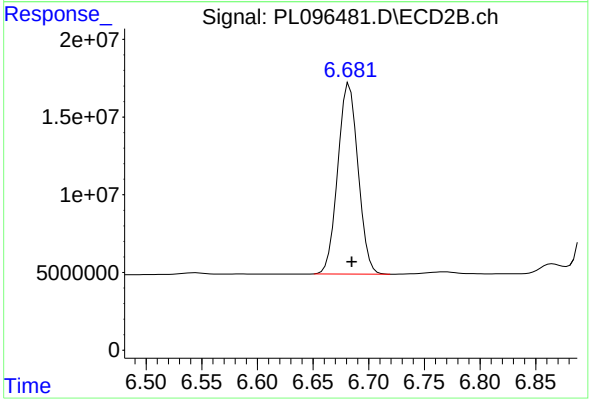
#19 Endosulfan Sulfate

R.T.: 6.404 min
Delta R.T.: -0.002 min
Response: 316362412
Conc: 56.25 ng/ml



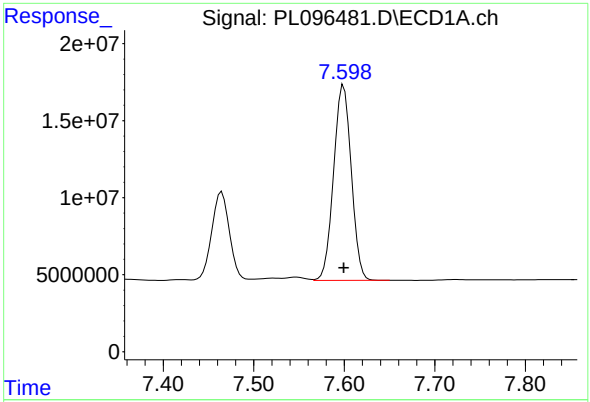
#20 Methoxychlor

R.T.: 7.465 min
Delta R.T.: 0.000 min
Response: 78916887
Conc: 50.09 ng/ml



#20 Methoxychlor

R.T.: 6.682 min
Delta R.T.: -0.002 min
Response: 155650726
Conc: 51.24 ng/ml



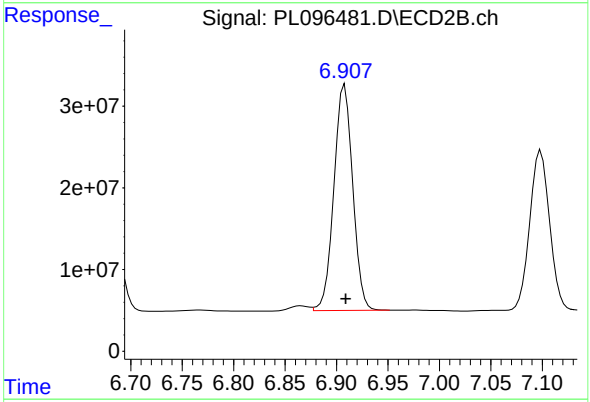
#21 Endrin ketone

R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 172243759
Conc: 52.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

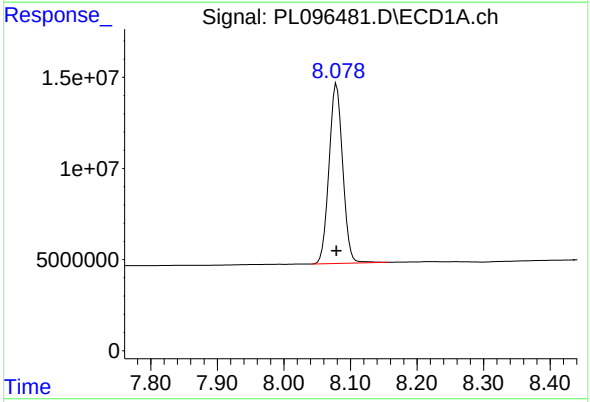
Manual Integrations APPROVED

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Supervised By :mohammad ahmed 07/23/2025



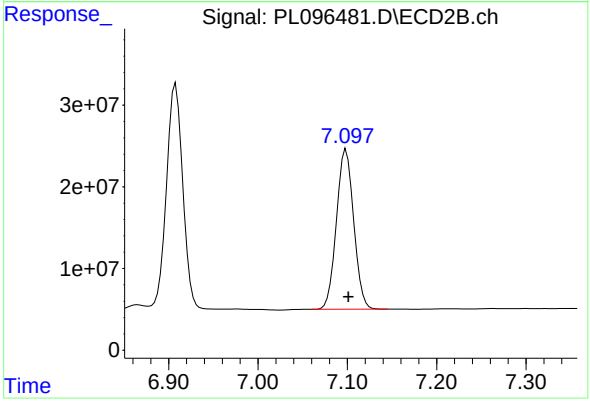
#21 Endrin ketone

R.T.: 6.908 min
Delta R.T.: 0.000 min
Response: 352111948
Conc: 56.32 ng/ml



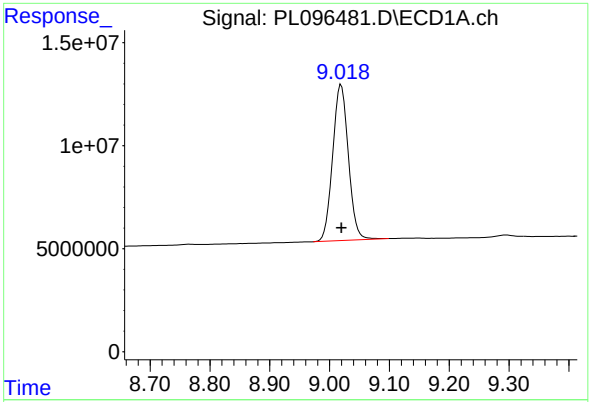
#22 Mirex

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 140910097
Conc: 50.65 ng/ml



#22 Mirex

R.T.: 7.099 min
Delta R.T.: -0.002 min
Response: 262787795
Conc: 52.89 ng/ml



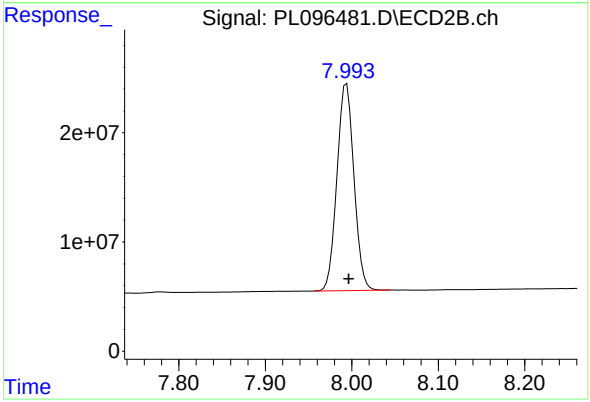
#28 Decachlorobiphenyl

R.T.: 9.019 min
Delta R.T.: 0.000 min
Response: 138523190
Conc: 49.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

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Supervised By :mohammad ahmed 07/23/2025



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 257416700
Conc: 51.62 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Continuing Calib Date: 07/21/2025 **Initial Calibration Date(s):** 07/07/2025 07/07/2025

Continuing Calib Time: 16:08 **Initial Calibration Time(s):** 10:53 11:49

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.02	9.02	8.92	9.12	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	3.99	3.89	4.09	0.01
beta-BHC	4.50	4.50	4.40	4.60	0.00
delta-BHC	4.75	4.75	4.65	4.85	0.01
gamma-BHC (Lindane)	4.31	4.31	4.21	4.41	0.00
Heptachlor	4.91	4.91	4.81	5.01	0.00
Aldrin	5.24	5.25	5.15	5.35	0.01
Heptachlor epoxide	5.66	5.67	5.57	5.77	0.01
Endosulfan I	6.05	6.05	5.95	6.15	0.00
Dieldrin	6.32	6.32	6.22	6.42	0.00
4,4'-DDE	6.17	6.17	6.07	6.27	0.00
Endrin	6.55	6.55	6.45	6.65	0.00
Endosulfan II	6.76	6.76	6.66	6.86	0.00
4,4'-DDD	6.68	6.68	6.58	6.78	0.00
Endosulfan sulfate	7.12	7.12	7.02	7.22	0.00
4,4'-DDT	6.99	6.99	6.89	7.09	0.00
Methoxychlor	7.46	7.46	7.36	7.56	0.00
Endrin ketone	7.60	7.60	7.50	7.70	0.00
Endrin aldehyde	6.89	6.89	6.79	6.99	0.00
alpha-Chlordane	6.00	6.00	5.90	6.10	0.00
gamma-Chlordane	5.92	5.92	5.82	6.02	0.00

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Continuing Calib Date: 07/21/2025 **Initial Calibration Date(s):** 07/07/2025 07/07/2025

Continuing Calib Time: 16:08 **Initial Calibration Time(s):** 10:53 11:49

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.00	8.00	7.90	8.10	0.01
Tetrachloro-m-xylene	2.83	2.83	2.73	2.93	0.00
alpha-BHC	3.34	3.34	3.24	3.44	0.00
beta-BHC	3.96	3.96	3.86	4.06	0.00
delta-BHC	4.20	4.20	4.10	4.30	0.00
gamma-BHC (Lindane)	3.67	3.67	3.57	3.77	0.00
Heptachlor	4.02	4.02	3.92	4.12	0.00
Aldrin	4.30	4.30	4.20	4.40	0.00
Heptachlor epoxide	4.80	4.80	4.70	4.90	0.00
Endosulfan I	5.17	5.17	5.07	5.27	0.00
Dieldrin	5.44	5.44	5.34	5.54	0.01
4,4'-DDE	5.31	5.31	5.21	5.41	0.00
Endrin	5.71	5.71	5.61	5.81	0.00
Endosulfan II	6.00	6.00	5.90	6.10	0.00
4,4'-DDD	5.86	5.86	5.76	5.96	0.00
Endosulfan sulfate	6.41	6.41	6.31	6.51	0.00
4,4'-DDT	6.11	6.11	6.01	6.21	0.00
Methoxychlor	6.68	6.68	6.58	6.78	0.00
Endrin ketone	6.91	6.91	6.81	7.01	0.00
Endrin aldehyde	6.18	6.18	6.08	6.28	0.00
alpha-Chlordane	5.12	5.12	5.02	5.22	0.00
gamma-Chlordane	5.05	5.05	4.95	5.15	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

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

Client Sample No.: CCAL02 **Date Analyzed:** 07/21/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL096493.D **Time Analyzed:** 16:08

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.678	6.578	6.778	57.900	50.000	15.8
4,4'-DDE	6.169	6.069	6.269	50.700	50.000	1.4
4,4'-DDT	6.992	6.892	7.092	46.220	50.000	-7.6
Aldrin	5.244	5.146	5.346	51.410	50.000	2.8
alpha-BHC	3.985	3.885	4.085	55.280	50.000	10.6
alpha-Chlordane	5.999	5.900	6.100	51.980	50.000	4.0
beta-BHC	4.499	4.399	4.599	55.380	50.000	10.8
Decachlorobiphenyl	9.021	8.920	9.120	45.350	50.000	-9.3
delta-BHC	4.745	4.646	4.846	56.170	50.000	12.3
Dieldrin	6.319	6.219	6.419	49.160	50.000	-1.7
Endosulfan I	6.045	5.947	6.147	49.180	50.000	-1.6
Endosulfan II	6.756	6.658	6.858	49.550	50.000	-0.9
Endosulfan sulfate	7.120	7.019	7.219	48.110	50.000	-3.8
Endrin	6.545	6.445	6.645	51.230	50.000	2.5
Endrin aldehyde	6.885	6.786	6.986	52.500	50.000	5.0
Endrin ketone	7.599	7.500	7.700	47.400	50.000	-5.2
gamma-BHC (Lindane)	4.313	4.213	4.413	54.280	50.000	8.6
gamma-Chlordane	5.917	5.819	6.019	50.170	50.000	0.3
Heptachlor	4.905	4.806	5.006	51.650	50.000	3.3
Heptachlor epoxide	5.663	5.565	5.765	53.210	50.000	6.4
Methoxychlor	7.464	7.364	7.564	47.200	50.000	-5.6
Tetrachloro-m-xylene	3.537	3.438	3.638	54.110	50.000	8.2

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

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

Client Sample No.: CCAL02 **Date Analyzed:** 07/21/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL096493.D **Time Analyzed:** 16:08

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.858	5.759	5.959	54.020	50.000	8.0
4,4'-DDE	5.306	5.207	5.407	52.020	50.000	4.0
4,4'-DDT	6.111	6.012	6.212	42.300	50.000	-15.4
Aldrin	4.299	4.200	4.400	56.010	50.000	12.0
alpha-BHC	3.335	3.235	3.435	57.970	50.000	15.9
alpha-Chlordane	5.117	5.018	5.218	47.930	50.000	-4.1
beta-BHC	3.963	3.863	4.063	55.060	50.000	10.1
Decachlorobiphenyl	7.995	7.896	8.096	41.120	50.000	-17.8
delta-BHC	4.196	4.097	4.297	56.370	50.000	12.7
Dieldrin	5.435	5.338	5.538	52.850	50.000	5.7
Endosulfan I	5.172	5.073	5.273	44.560	50.000	-10.9
Endosulfan II	6.003	5.904	6.104	48.940	50.000	-2.1
Endosulfan sulfate	6.405	6.306	6.506	48.010	50.000	-4.0
Endrin	5.711	5.612	5.812	52.030	50.000	4.1
Endrin aldehyde	6.181	6.082	6.282	45.020	50.000	-10.0
Endrin ketone	6.909	6.810	7.010	46.190	50.000	-7.6
gamma-BHC (Lindane)	3.667	3.567	3.767	56.760	50.000	13.5
gamma-Chlordane	5.052	4.954	5.154	52.870	50.000	5.7
Heptachlor	4.016	3.917	4.117	53.900	50.000	7.8
Heptachlor epoxide	4.801	4.702	4.902	53.290	50.000	6.6
Methoxychlor	6.683	6.584	6.784	40.570	50.000	-18.9
Tetrachloro-m-xylene	2.829	2.729	2.929	56.330	50.000	12.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096493.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:08
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:47:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.829	197.4E6	325.1E6	54.107	56.332
28)	SA Decachlor...	9.021	7.995	127.6E6	205.1E6	45.348	41.122
	Target Compounds						
2)	A alpha-BHC	3.985	3.335	284.3E6	488.9E6	55.281	57.967
3)	MA gamma-BHC...	4.313	3.667	270.3E6	447.0E6	54.276	56.761
4)	MA Heptachlor	4.905	4.016	236.6E6	410.1E6	51.654	53.899
5)	MB Aldrin	5.244	4.299	248.5E6	408.6E6	51.409	56.009
6)	B beta-BHC	4.499	3.963	115.1E6	188.5E6	55.375	55.060
7)	B delta-BHC	4.745	4.196	251.7E6	434.2E6	56.170	56.375
8)	B Heptachlo...	5.663	4.801	220.8E6	356.3E6	53.207m	53.293
9)	A Endosulfan I	6.045	5.172	198.6E6	319.7E6	49.183m	44.558
10)	B gamma-Chl...	5.917	5.052	222.0E6	371.1E6	50.168m	52.871
11)	B alpha-Chl...	5.999	5.117	227.6E6	360.4E6	51.984	47.927
12)	B 4,4'-DDE	6.169	5.306	188.0E6	336.2E6	50.705	52.019
13)	MA Dieldrin	6.319	5.435	207.9E6	360.4E6	49.158	52.855m
14)	MA Endrin	6.545	5.711	159.3E6	317.2E6	51.234	52.033
15)	B Endosulfa...	6.756	6.003	171.9E6	287.0E6	49.546m	48.942
16)	A 4,4'-DDD	6.678	5.858	168.6E6	277.1E6	57.899	54.025
17)	MA 4,4'-DDT	6.992	6.111	140.3E6	242.6E6	46.217	42.301
18)	B Endrin al...	6.885	6.181	117.4E6	200.6E6	52.496m	45.024
19)	B Endosulfa...	7.120	6.405	147.2E6	270.0E6	48.111	48.012
20)	A Methoxychlor	7.464	6.683	74352715	123.2E6	47.196	40.572
21)	B Endrin ke...	7.599	6.909	156.5E6	288.8E6	47.399	46.189
22)	Mirex	8.080	7.100	127.2E6	212.1E6	45.727	42.694

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

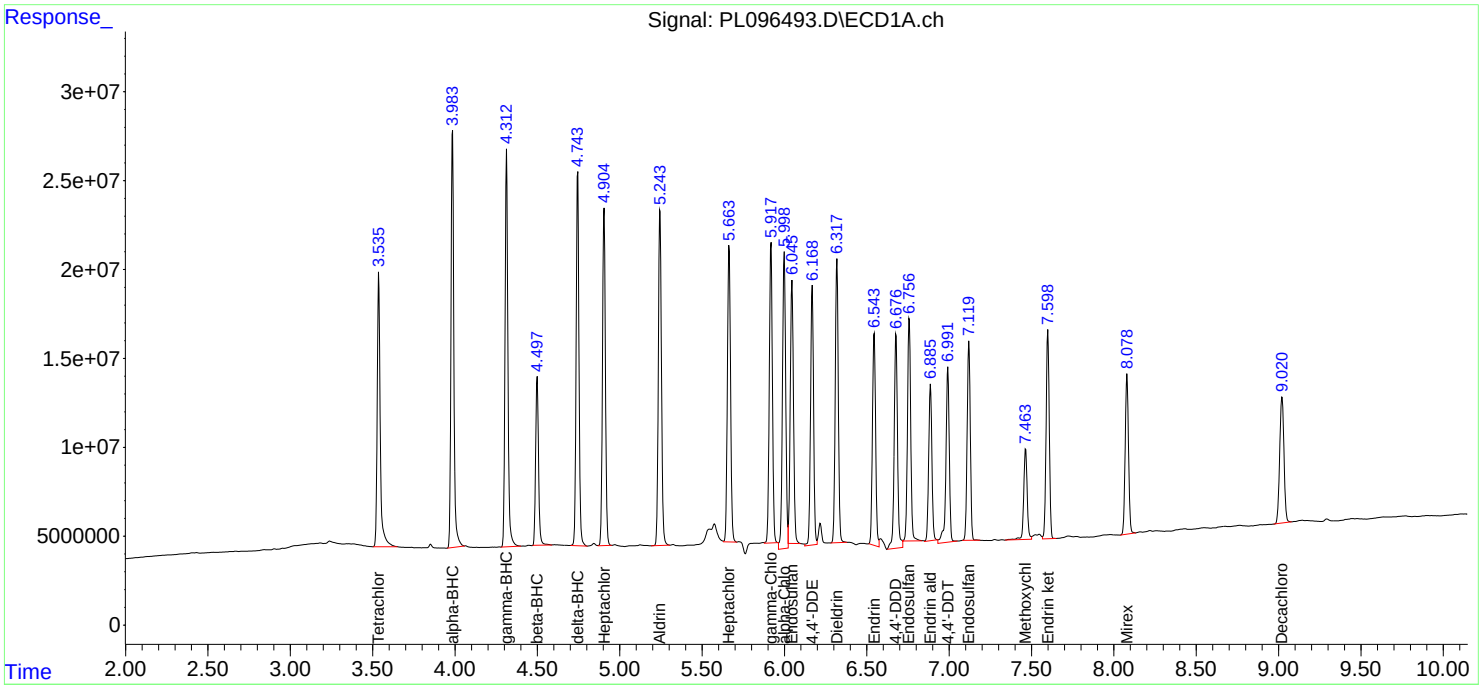
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096493.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:08
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

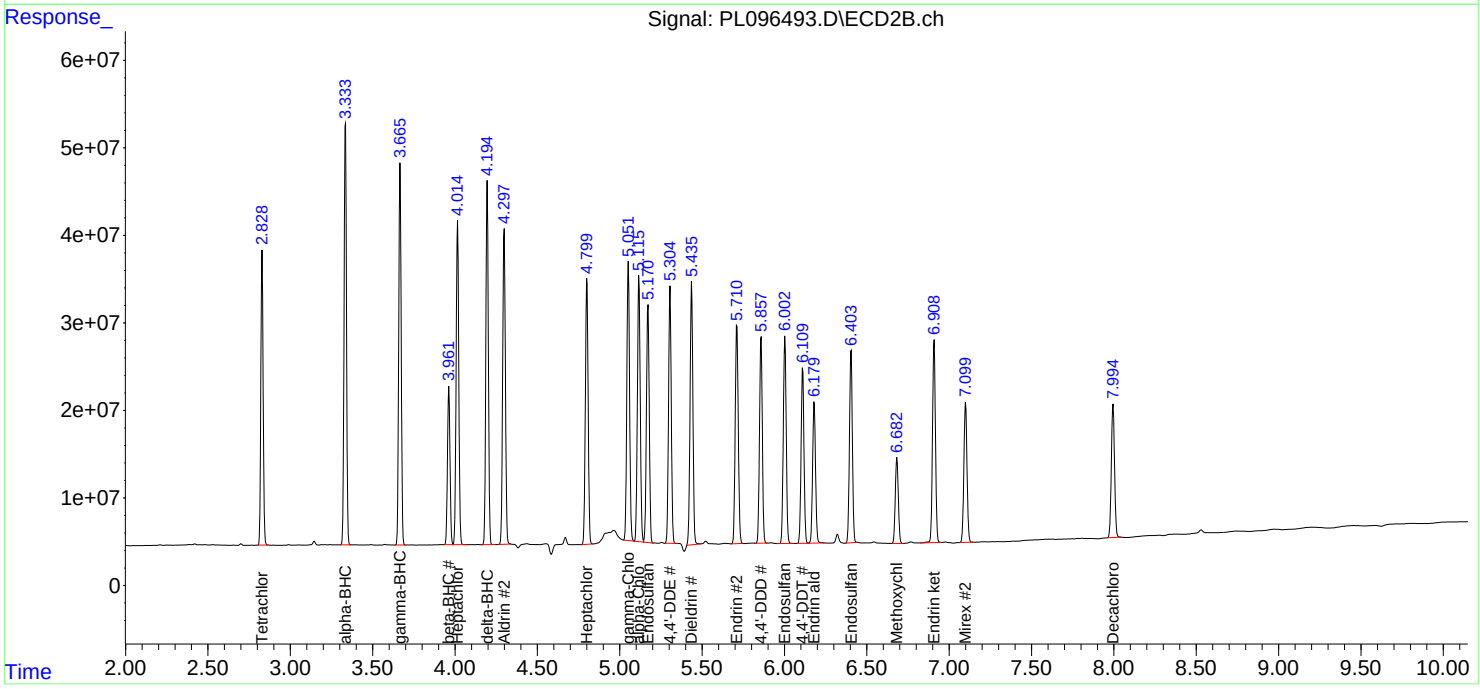
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

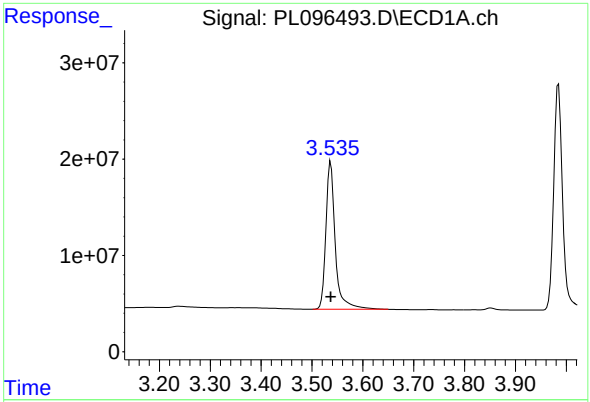
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:47:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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







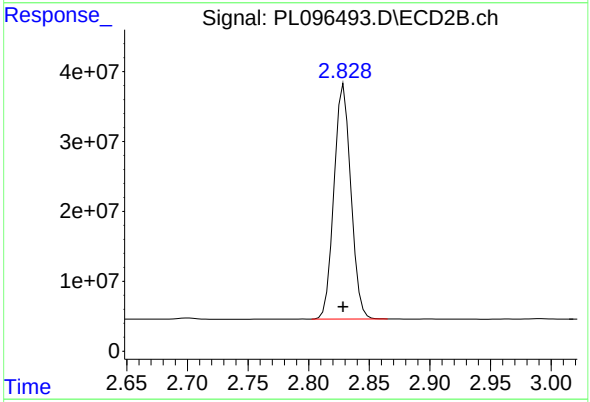
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 197433420
Conc: 54.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

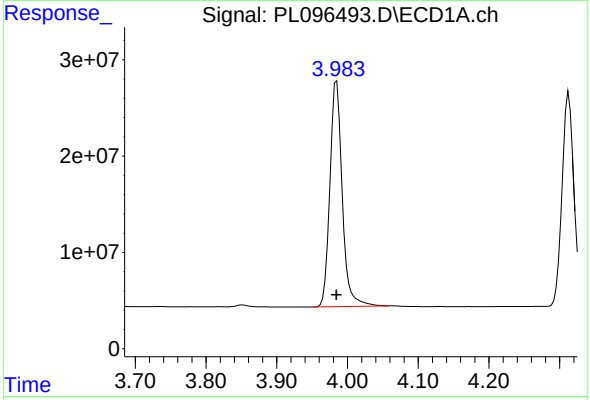
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



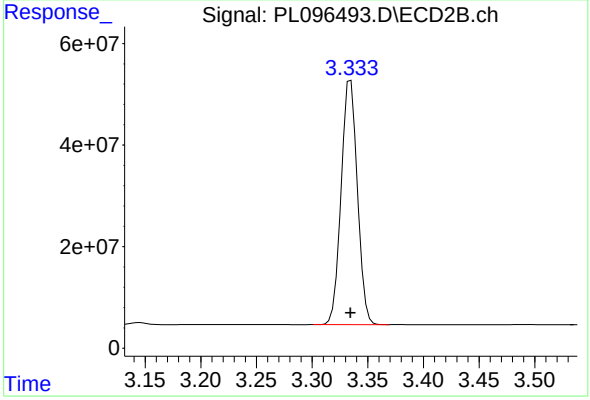
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 325102833
Conc: 56.33 ng/ml



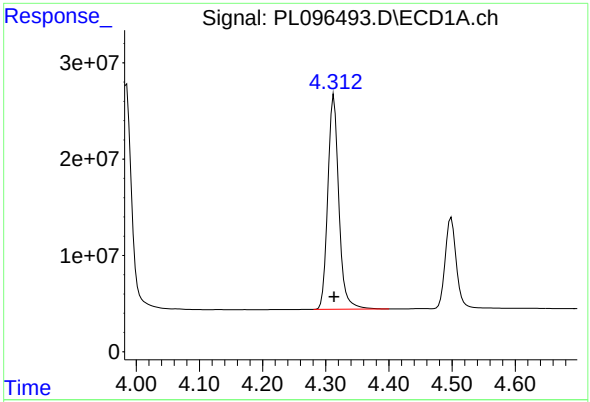
#2 alpha-BHC

R.T.: 3.985 min
Delta R.T.: 0.000 min
Response: 284319155
Conc: 55.28 ng/ml



#2 alpha-BHC

R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 488912408
Conc: 57.97 ng/ml



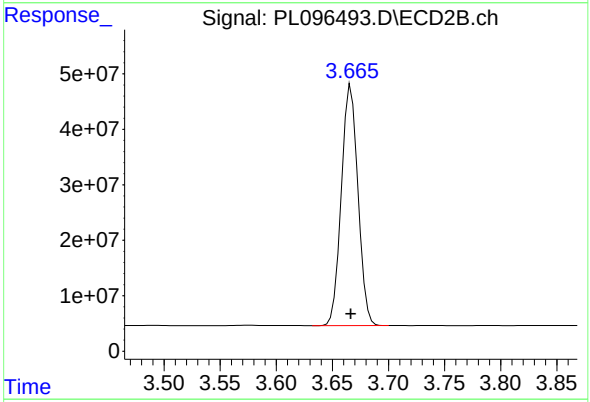
#3 gamma-BHC (Lindane)

R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 270277240
Conc: 54.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

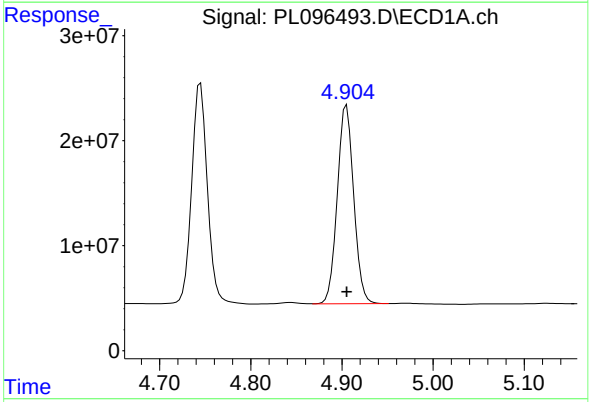
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



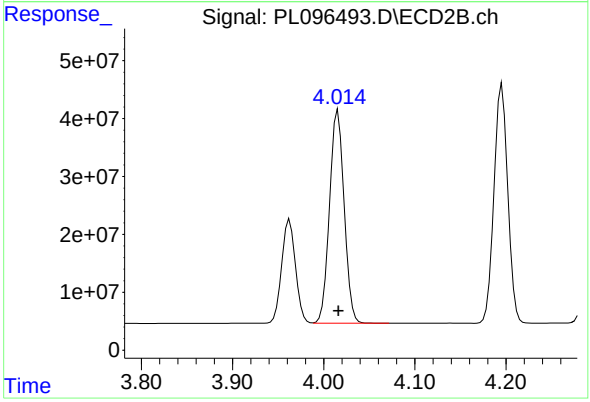
#3 gamma-BHC (Lindane)

R.T.: 3.667 min
Delta R.T.: 0.000 min
Response: 447042519
Conc: 56.76 ng/ml



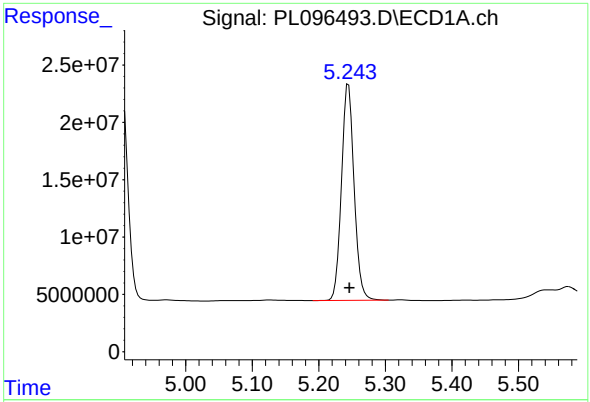
#4 Heptachlor

R.T.: 4.905 min
Delta R.T.: 0.000 min
Response: 236639992
Conc: 51.65 ng/ml



#4 Heptachlor

R.T.: 4.016 min
Delta R.T.: 0.000 min
Response: 410052631
Conc: 53.90 ng/ml



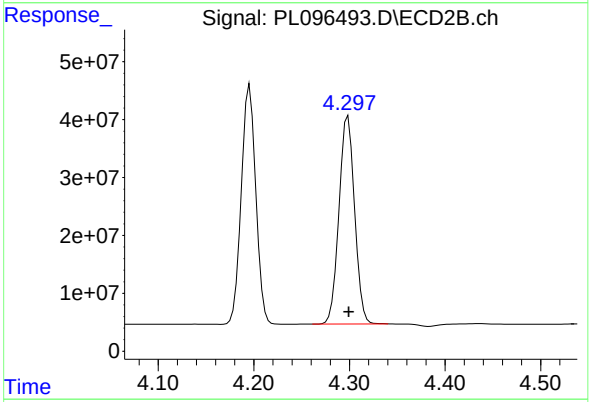
#5 Aldrin

R.T.: 5.244 min
Delta R.T.: -0.001 min
Response: 248497535
Conc: 51.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

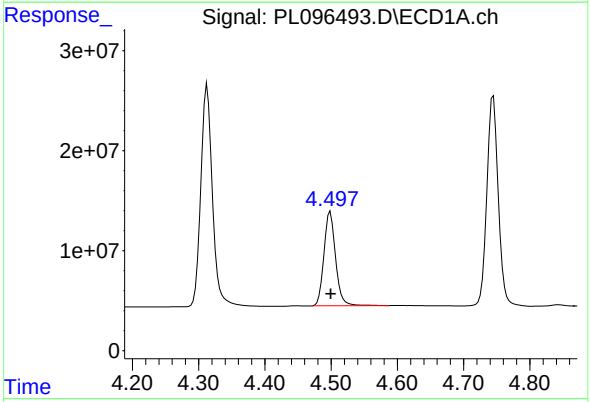
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



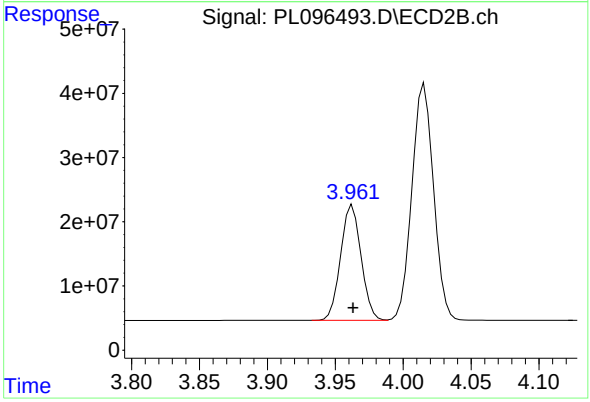
#5 Aldrin

R.T.: 4.299 min
Delta R.T.: 0.000 min
Response: 408622886
Conc: 56.01 ng/ml



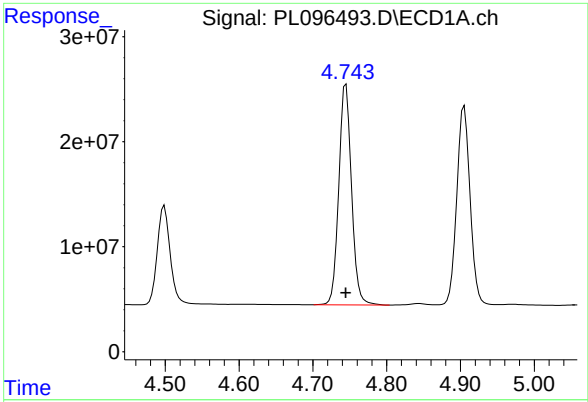
#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 115113441
Conc: 55.38 ng/ml



#6 beta-BHC

R.T.: 3.963 min
Delta R.T.: 0.000 min
Response: 188521058
Conc: 55.06 ng/ml



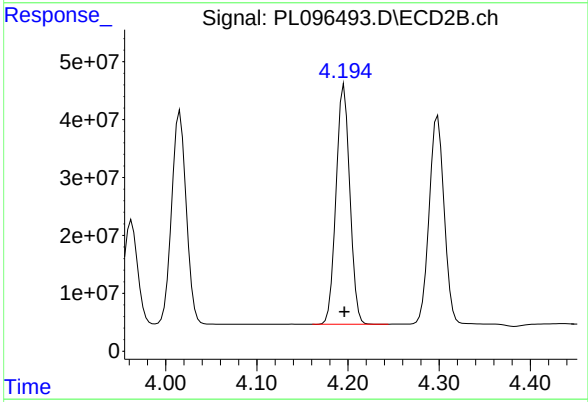
#7 delta-BHC

R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 251716510
Conc: 56.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

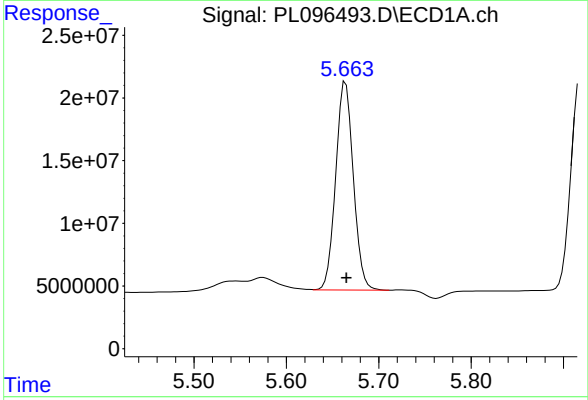
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



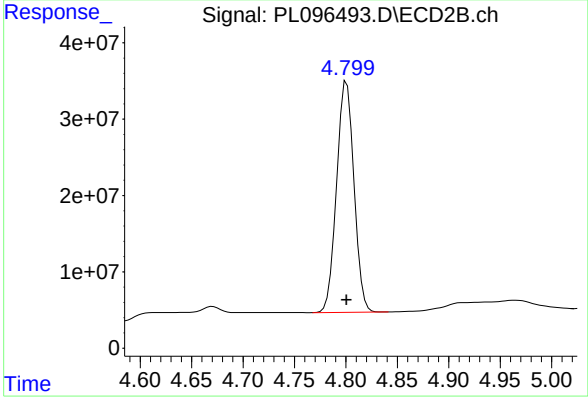
#7 delta-BHC

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 434191743
Conc: 56.37 ng/ml



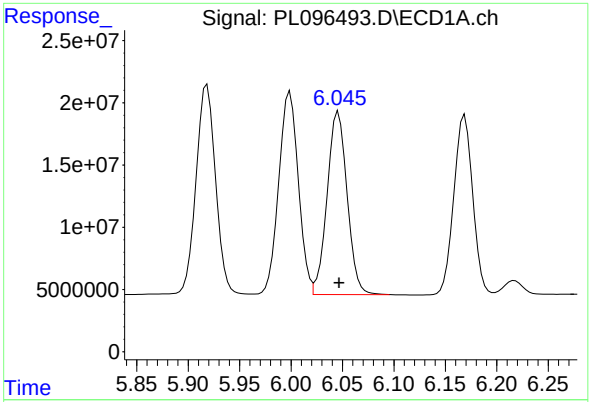
#8 Heptachlor epoxide

R.T.: 5.663 min
Delta R.T.: -0.003 min
Response: 220765731
Conc: 53.21 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.801 min
Delta R.T.: 0.000 min
Response: 356259430
Conc: 53.29 ng/ml



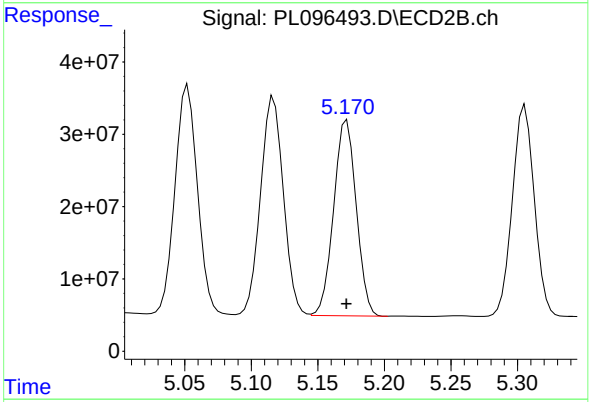
#9 Endosulfan I

R.T.: 6.045 min
Delta R.T.: -0.002 min
Response: 198562523
Conc: 49.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

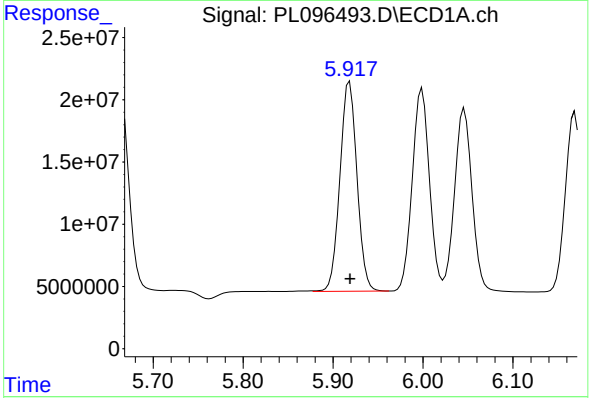
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



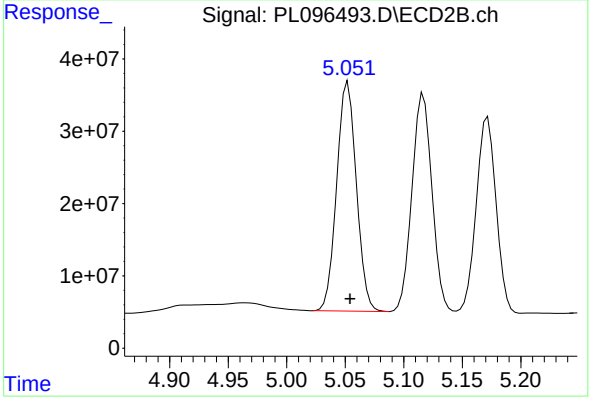
#9 Endosulfan I

R.T.: 5.172 min
Delta R.T.: 0.000 min
Response: 319669016
Conc: 44.56 ng/ml



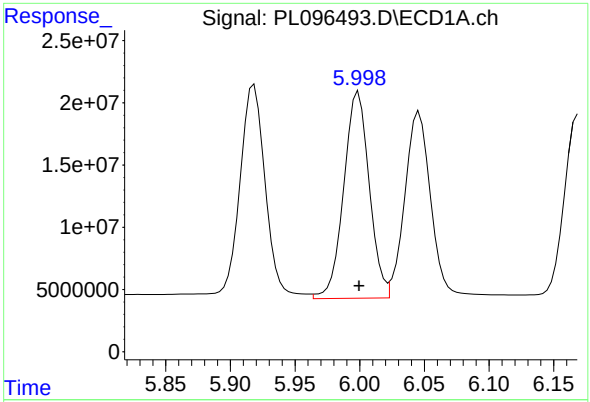
#10 gamma-Chlordane

R.T.: 5.917 min
Delta R.T.: -0.002 min
Response: 221981655
Conc: 50.17 ng/ml m



#10 gamma-Chlordane

R.T.: 5.052 min
Delta R.T.: -0.002 min
Response: 371139869
Conc: 52.87 ng/ml



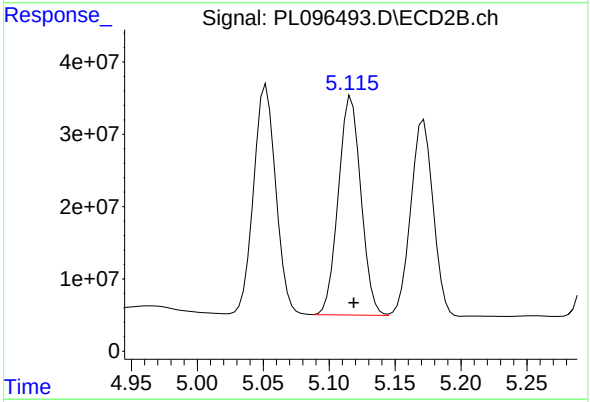
#11 alpha-Chlordane

R.T.: 5.999 min
Delta R.T.: 0.000 min
Response: 227629669
Conc: 51.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

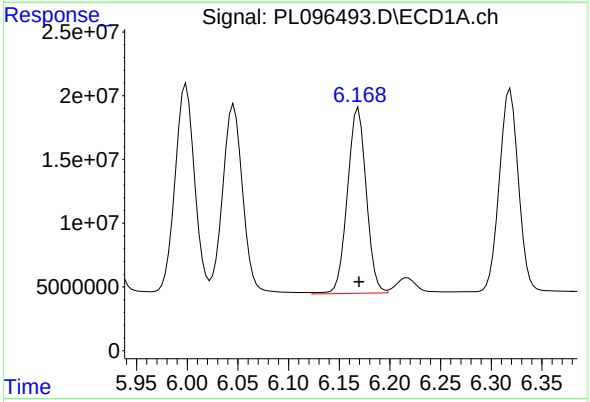
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



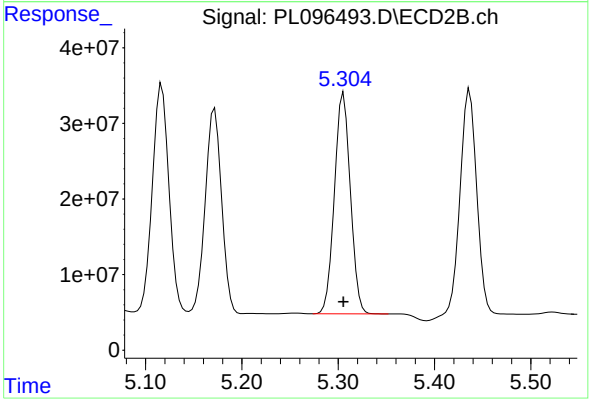
#11 alpha-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.002 min
Response: 360421669
Conc: 47.93 ng/ml



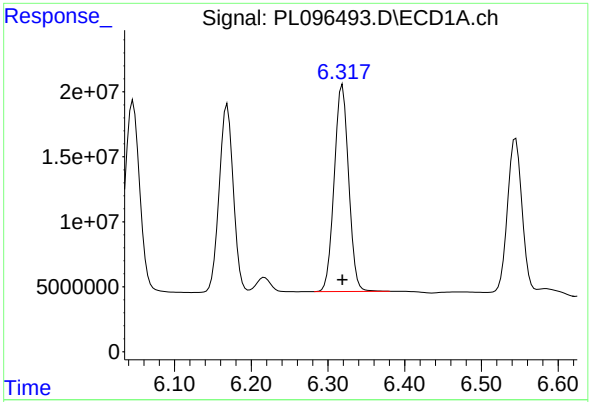
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 187986628
Conc: 50.70 ng/ml



#12 4,4'-DDE

R.T.: 5.306 min
Delta R.T.: 0.000 min
Response: 336232232
Conc: 52.02 ng/ml



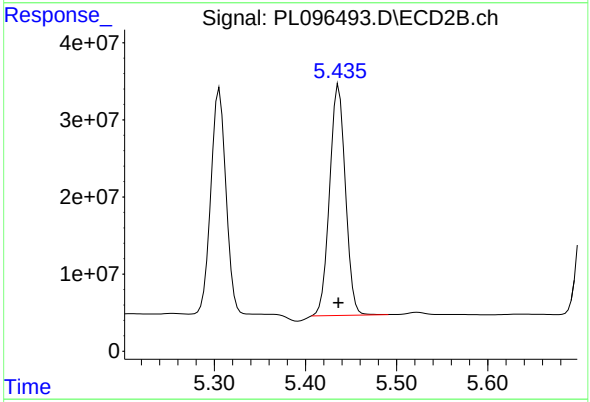
#13 Dieldrin

R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 207858497
Conc: 49.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

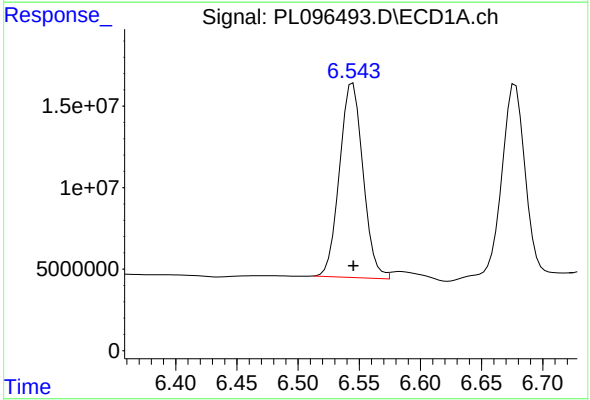
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



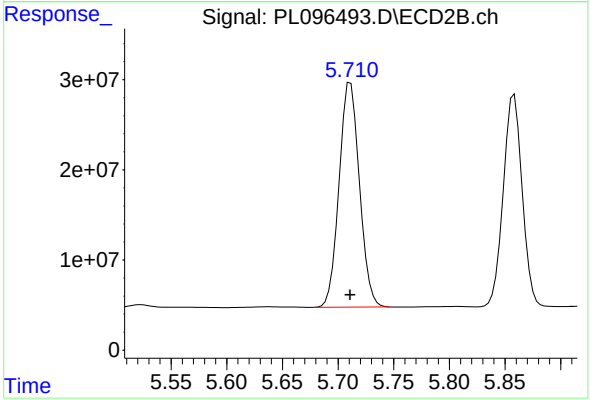
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: 0.000 min
Response: 360429137
Conc: 52.85 ng/ml m



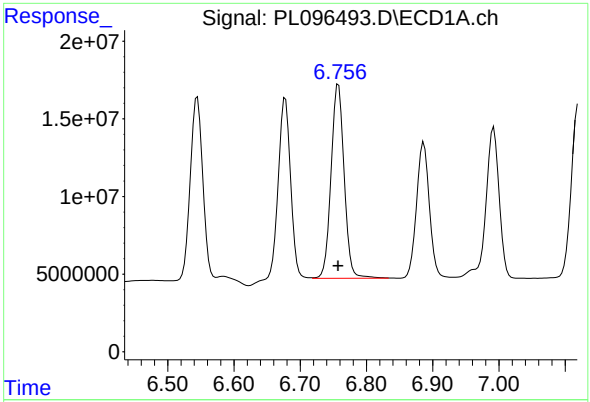
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 159349858
Conc: 51.23 ng/ml



#14 Endrin

R.T.: 5.711 min
Delta R.T.: 0.000 min
Response: 317217062
Conc: 52.03 ng/ml



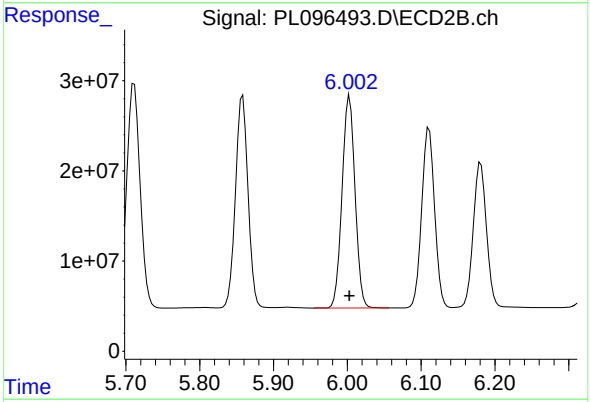
#15 Endosulfan II

R.T.: 6.756 min
Delta R.T.: 0.000 min
Response: 171927456
Conc: 49.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

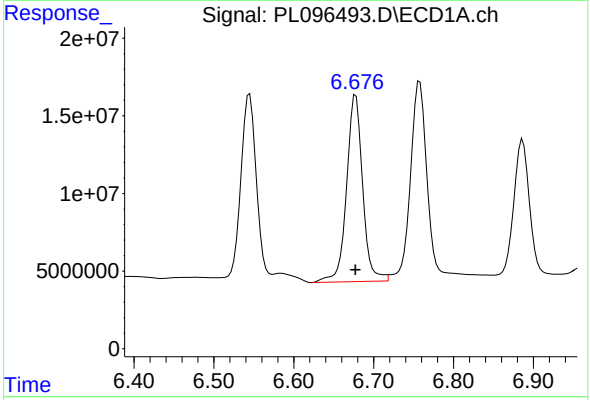
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



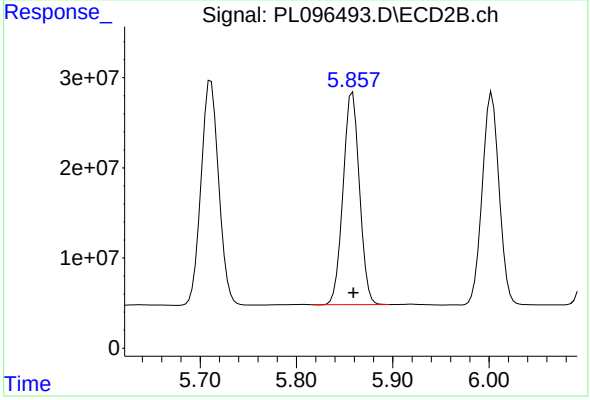
#15 Endosulfan II

R.T.: 6.003 min
Delta R.T.: 0.000 min
Response: 286988731
Conc: 48.94 ng/ml



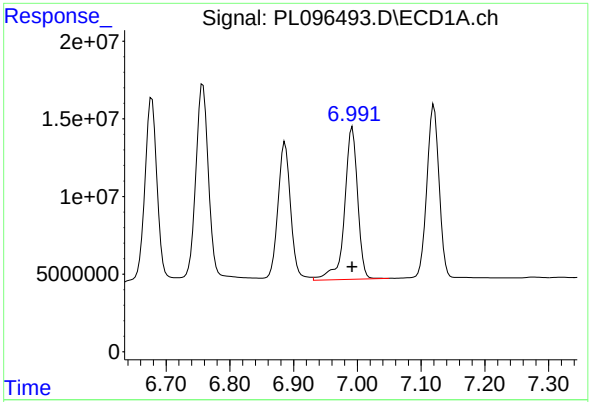
#16 4,4'-DDD

R.T.: 6.678 min
Delta R.T.: 0.000 min
Response: 168585323
Conc: 57.90 ng/ml



#16 4,4'-DDD

R.T.: 5.858 min
Delta R.T.: 0.000 min
Response: 277076635
Conc: 54.02 ng/ml



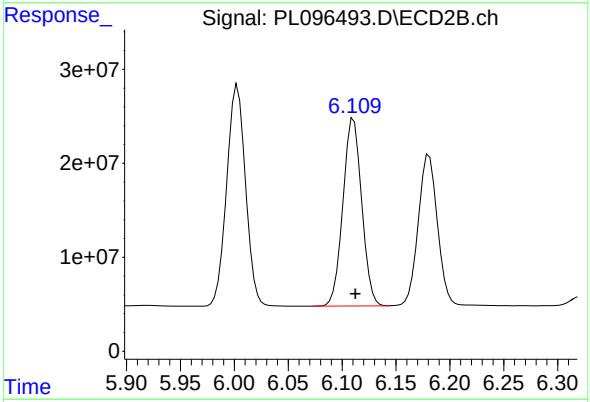
#17 4,4'-DDT

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 140278736
Conc: 46.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

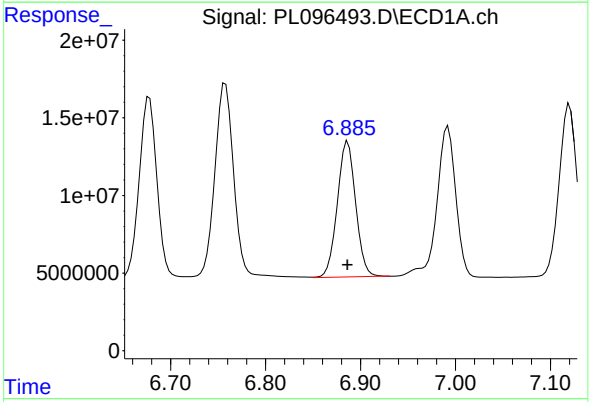
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Supervised By :mohammad ahmed 07/23/2025



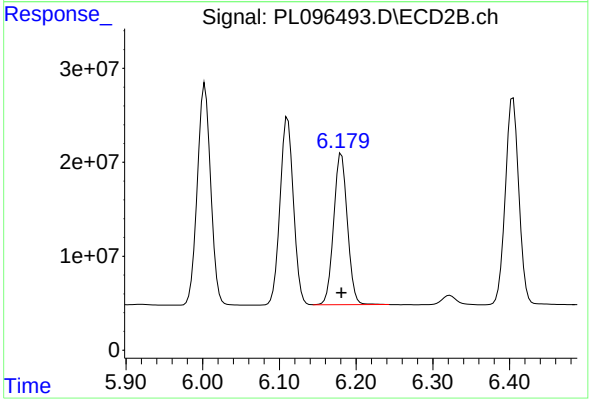
#17 4,4'-DDT

R.T.: 6.111 min
Delta R.T.: -0.002 min
Response: 242599364
Conc: 42.30 ng/ml



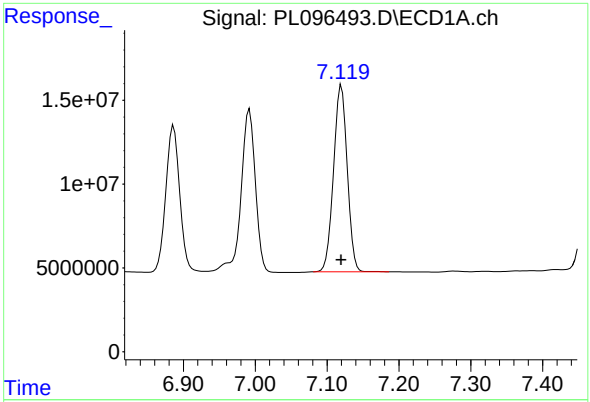
#18 Endrin aldehyde

R.T.: 6.885 min
Delta R.T.: -0.001 min
Response: 117357976
Conc: 52.50 ng/ml m



#18 Endrin aldehyde

R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 200563363
Conc: 45.02 ng/ml



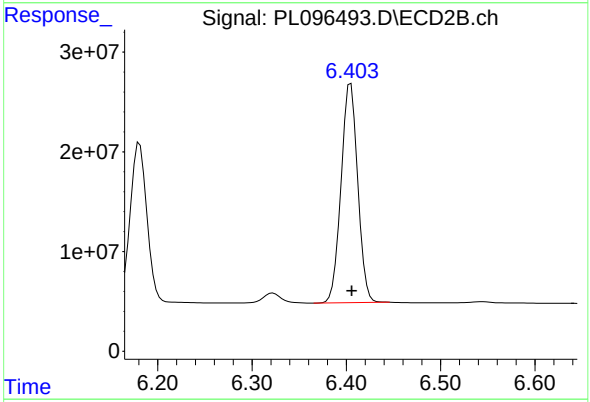
#19 Endosulfan Sulfate

R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 147162779
Conc: 48.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

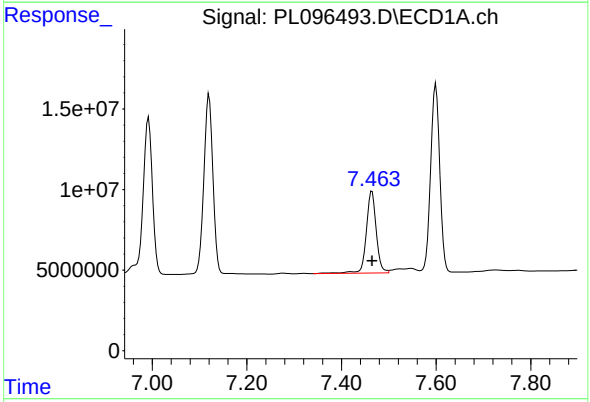
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Supervised By :mohammad ahmed 07/23/2025



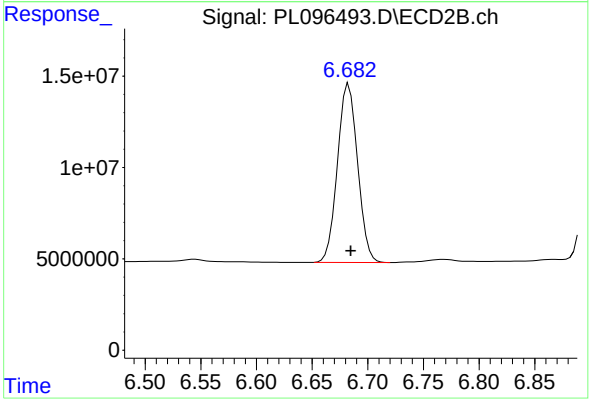
#19 Endosulfan Sulfate

R.T.: 6.405 min
Delta R.T.: 0.000 min
Response: 270039100
Conc: 48.01 ng/ml



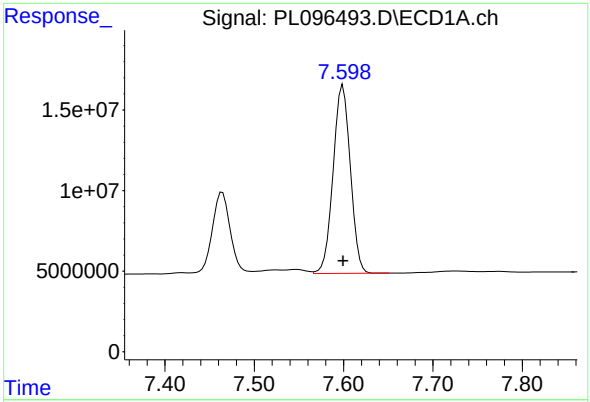
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 74352715
Conc: 47.20 ng/ml



#20 Methoxychlor

R.T.: 6.683 min
Delta R.T.: -0.002 min
Response: 123249318
Conc: 40.57 ng/ml



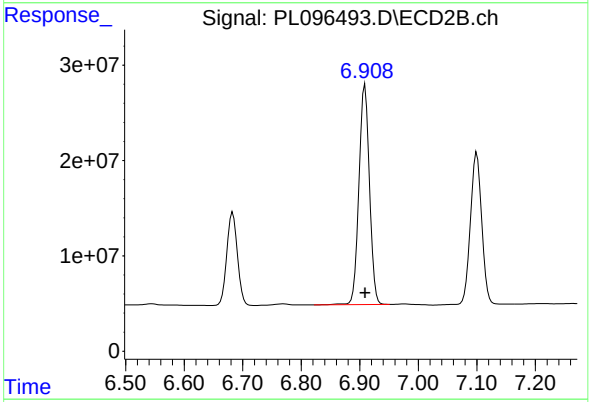
#21 Endrin ketone

R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 156493430
Conc: 47.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

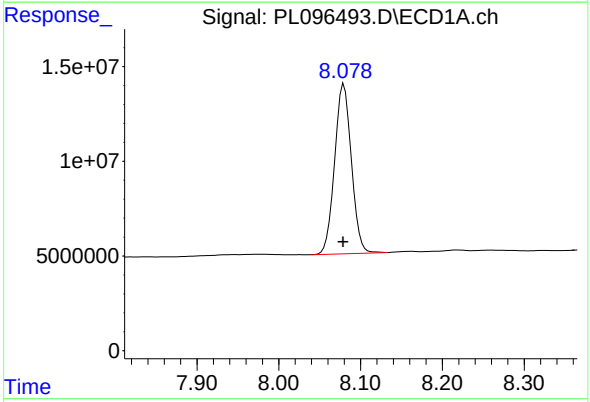
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Supervised By :mohammad ahmed 07/23/2025



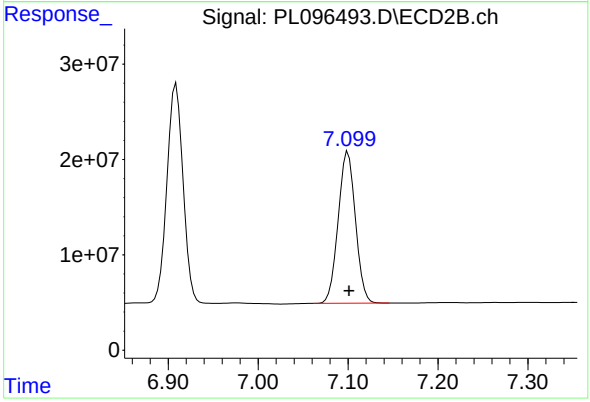
#21 Endrin ketone

R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 288787748
Conc: 46.19 ng/ml



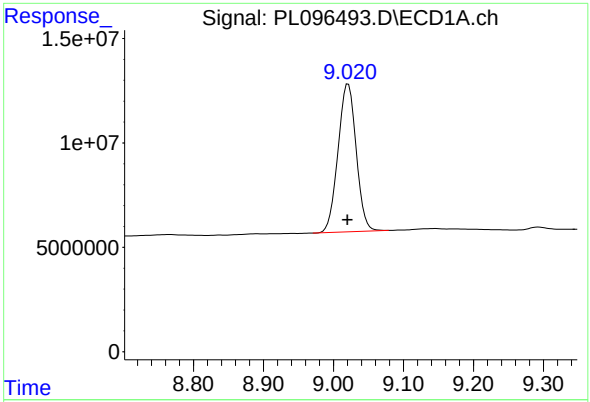
#22 Mirex

R.T.: 8.080 min
Delta R.T.: 0.001 min
Response: 127221657
Conc: 45.73 ng/ml



#22 Mirex

R.T.: 7.100 min
Delta R.T.: -0.001 min
Response: 212113580
Conc: 42.69 ng/ml



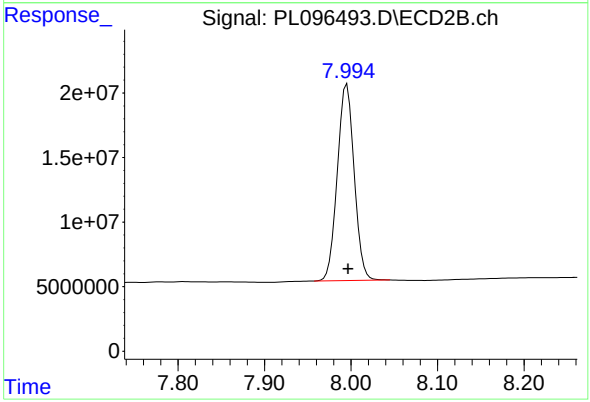
#28 Decachlorobiphenyl

R.T.: 9.021 min
Delta R.T.: 0.001 min
Response: 127566336
Conc: 45.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

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Supervised By :mohammad ahmed 07/23/2025



#28 Decachlorobiphenyl

R.T.: 7.995 min
Delta R.T.: -0.001 min
Response: 205052955
Conc: 41.12 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Continuing Calib Date: 07/21/2025 **Initial Calibration Date(s):** 07/07/2025 07/07/2025

Continuing Calib Time: 21:12 **Initial Calibration Time(s):** 10:53 11:49

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.02	9.02	8.92	9.12	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.98	3.99	3.89	4.09	0.01
beta-BHC	4.50	4.50	4.40	4.60	0.00
delta-BHC	4.75	4.75	4.65	4.85	0.01
gamma-BHC (Lindane)	4.31	4.31	4.21	4.41	0.00
Heptachlor	4.91	4.91	4.81	5.01	0.00
Aldrin	5.25	5.25	5.15	5.35	0.01
Heptachlor epoxide	5.66	5.67	5.57	5.77	0.01
Endosulfan I	6.05	6.05	5.95	6.15	0.00
Dieldrin	6.32	6.32	6.22	6.42	0.00
4,4'-DDE	6.17	6.17	6.07	6.27	0.00
Endrin	6.55	6.55	6.45	6.65	0.00
Endosulfan II	6.76	6.76	6.66	6.86	0.00
4,4'-DDD	6.68	6.68	6.58	6.78	0.00
Endosulfan sulfate	7.12	7.12	7.02	7.22	0.00
4,4'-DDT	6.99	6.99	6.89	7.09	0.00
Methoxychlor	7.46	7.46	7.36	7.56	0.00
Endrin ketone	7.60	7.60	7.50	7.70	0.00
Endrin aldehyde	6.89	6.89	6.79	6.99	0.00
alpha-Chlordane	6.00	6.00	5.90	6.10	0.00
gamma-Chlordane	5.92	5.92	5.82	6.02	0.00

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Continuing Calib Date: 07/21/2025 **Initial Calibration Date(s):** 07/07/2025 07/07/2025

Continuing Calib Time: 21:12 **Initial Calibration Time(s):** 10:53 11:49

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.99	8.00	7.90	8.10	0.01
Tetrachloro-m-xylene	2.83	2.83	2.73	2.93	0.00
alpha-BHC	3.33	3.34	3.24	3.44	0.01
beta-BHC	3.96	3.96	3.86	4.06	0.00
delta-BHC	4.20	4.20	4.10	4.30	0.00
gamma-BHC (Lindane)	3.67	3.67	3.57	3.77	0.00
Heptachlor	4.02	4.02	3.92	4.12	0.00
Aldrin	4.30	4.30	4.20	4.40	0.00
Heptachlor epoxide	4.80	4.80	4.70	4.90	0.00
Endosulfan I	5.17	5.17	5.07	5.27	0.00
Dieldrin	5.44	5.44	5.34	5.54	0.01
4,4'-DDE	5.31	5.31	5.21	5.41	0.01
Endrin	5.71	5.71	5.61	5.81	0.00
Endosulfan II	6.00	6.00	5.90	6.10	0.00
4,4'-DDD	5.86	5.86	5.76	5.96	0.00
Endosulfan sulfate	6.40	6.41	6.31	6.51	0.01
4,4'-DDT	6.11	6.11	6.01	6.21	0.00
Methoxychlor	6.68	6.68	6.58	6.78	0.00
Endrin ketone	6.91	6.91	6.81	7.01	0.00
Endrin aldehyde	6.18	6.18	6.08	6.28	0.00
alpha-Chlordane	5.12	5.12	5.02	5.22	0.00
gamma-Chlordane	5.05	5.05	4.95	5.15	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

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

Client Sample No.: CCAL03 **Date Analyzed:** 07/21/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL096502.D **Time Analyzed:** 21:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.676	6.578	6.778	55.760	50.000	11.5
4,4'-DDE	6.169	6.069	6.269	51.270	50.000	2.5
4,4'-DDT	6.991	6.892	7.092	41.090	50.000	-17.8
Aldrin	5.245	5.146	5.346	52.330	50.000	4.7
alpha-BHC	3.984	3.885	4.085	54.750	50.000	9.5
alpha-Chlordane	5.998	5.900	6.100	51.390	50.000	2.8
beta-BHC	4.499	4.399	4.599	55.130	50.000	10.3
Decachlorobiphenyl	9.020	8.920	9.120	47.190	50.000	-5.6
delta-BHC	4.745	4.646	4.846	56.340	50.000	12.7
Dieldrin	6.319	6.219	6.419	50.780	50.000	1.6
Endosulfan I	6.045	5.947	6.147	51.110	50.000	2.2
Endosulfan II	6.757	6.658	6.858	50.860	50.000	1.7
Endosulfan sulfate	7.120	7.019	7.219	50.060	50.000	0.1
Endrin	6.545	6.445	6.645	52.830	50.000	5.7
Endrin aldehyde	6.885	6.786	6.986	54.290	50.000	8.6
Endrin ketone	7.600	7.500	7.700	49.990	50.000	0.0
gamma-BHC (Lindane)	4.313	4.213	4.413	53.830	50.000	7.7
gamma-Chlordane	5.917	5.819	6.019	51.650	50.000	3.3
Heptachlor	4.905	4.806	5.006	49.830	50.000	-0.3
Heptachlor epoxide	5.663	5.565	5.765	54.430	50.000	8.9
Methoxychlor	7.464	7.364	7.564	41.120	50.000	-17.8
Tetrachloro-m-xylene	3.537	3.438	3.638	53.690	50.000	7.4

Alliance TECHNICAL GROUP

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

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

Client Sample No.: CCAL03 **Date Analyzed:** 07/21/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL096502.D **Time Analyzed:** 21:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.858	5.759	5.959	59.340	50.000	18.7
4,4'-DDE	5.305	5.207	5.407	52.530	50.000	5.1
4,4'-DDT	6.111	6.012	6.212	40.260	50.000	-19.5
Aldrin	4.298	4.200	4.400	55.110	50.000	10.2
alpha-BHC	3.334	3.235	3.435	56.290	50.000	12.6
alpha-Chlordane	5.116	5.018	5.218	49.510	50.000	-1.0
beta-BHC	3.962	3.863	4.063	53.400	50.000	6.8
Decachlorobiphenyl	7.994	7.896	8.096	46.070	50.000	-7.9
delta-BHC	4.196	4.097	4.297	54.640	50.000	9.3
Dieldrin	5.435	5.338	5.538	54.780	50.000	9.6
Endosulfan I	5.172	5.073	5.273	45.230	50.000	-9.5
Endosulfan II	6.003	5.904	6.104	52.090	50.000	4.2
Endosulfan sulfate	6.404	6.306	6.506	52.080	50.000	4.2
Endrin	5.711	5.612	5.812	54.110	50.000	8.2
Endrin aldehyde	6.181	6.082	6.282	48.800	50.000	-2.4
Endrin ketone	6.908	6.810	7.010	51.560	50.000	3.1
gamma-BHC (Lindane)	3.667	3.567	3.767	55.070	50.000	10.1
gamma-Chlordane	5.053	4.954	5.154	54.150	50.000	8.3
Heptachlor	4.016	3.917	4.117	50.100	50.000	0.2
Heptachlor epoxide	4.800	4.702	4.902	53.250	50.000	6.5
Methoxychlor	6.683	6.584	6.784	40.580	50.000	-18.8
Tetrachloro-m-xylene	2.829	2.729	2.929	54.830	50.000	9.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096502.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 21:12
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:50:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.829	195.9E6	316.4E6	53.690	54.832
28)	SA Decachlor...	9.020	7.994	132.7E6	229.7E6	47.189	46.068
	Target Compounds						
2)	A alpha-BHC	3.984	3.334	281.6E6	474.7E6	54.747	56.285
3)	MA gamma-BHC...	4.313	3.667	268.1E6	433.8E6	53.829	55.074
4)	MA Heptachlor	4.905	4.016	228.3E6	381.2E6	49.828	50.104
5)	MB Aldrin	5.245	4.298	252.9E6	402.0E6	52.329	55.108
6)	B beta-BHC	4.499	3.962	114.6E6	182.8E6	55.129	53.403
7)	B delta-BHC	4.745	4.196	252.5E6	420.9E6	56.337	54.645
8)	B Heptachlo...	5.663	4.800	225.8E6	356.0E6	54.428m	53.253
9)	A Endosulfan I	6.045	5.172	206.3E6	324.5E6	51.111m	45.231
10)	B gamma-Chl...	5.917	5.053	228.6E6	380.2E6	51.652m	54.155
11)	B alpha-Chl...	5.998	5.116	225.1E6	372.3E6	51.395m	49.509
12)	B 4,4'-DDE	6.169	5.305	190.1E6	339.6E6	51.270	52.533
13)	MA Dieldrin	6.319	5.435	214.7E6	373.5E6	50.784	54.777m
14)	MA Endrin	6.545	5.711	164.3E6	329.9E6	52.829	54.113
15)	B Endosulfa...	6.757	6.003	176.5E6	305.5E6	50.856m	52.093
16)	A 4,4'-DDD	6.676	5.858	162.4E6	304.3E6	55.761m	59.338
17)	MA 4,4'-DDT	6.991	6.111	124.7E6	230.9E6	41.086m	40.259
18)	B Endrin al...	6.885	6.181	121.4E6	217.4E6	54.294m	48.796
19)	B Endosulfa...	7.120	6.404	153.1E6	292.9E6	50.058	52.084
20)	A Methoxychlor	7.464	6.683	64782686	123.3E6	41.121	40.577
21)	B Endrin ke...	7.600	6.908	165.1E6	322.4E6	49.993	51.559
22)	Mirex	8.079	7.099	133.2E6	237.1E6	47.864	47.726

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

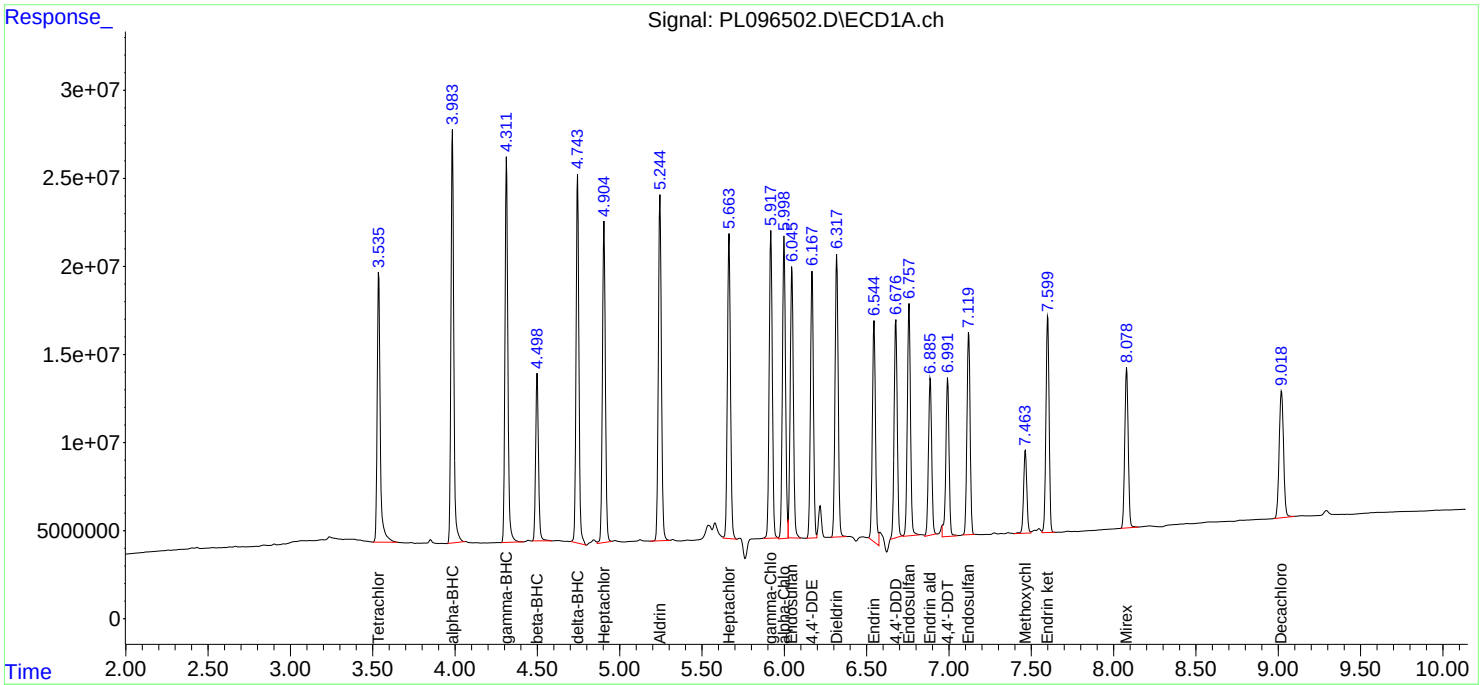
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096502.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 21:12
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

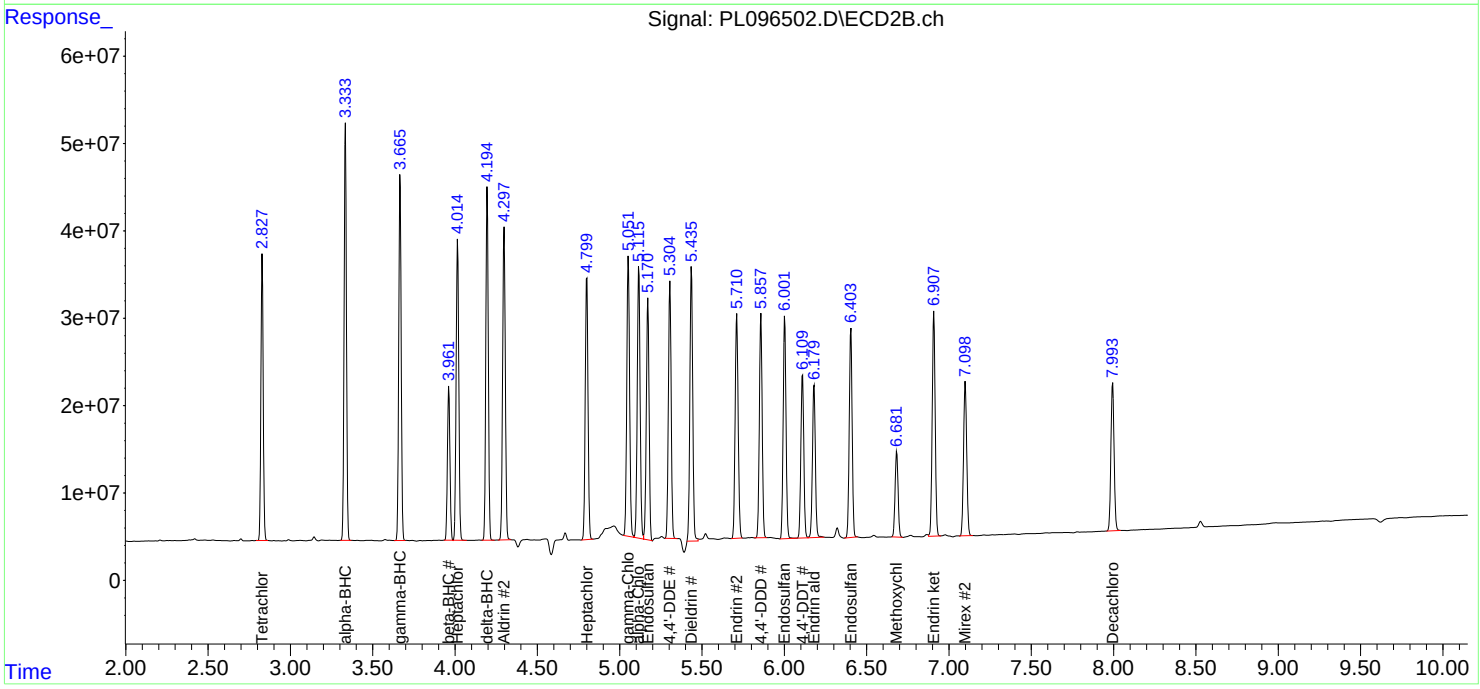
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

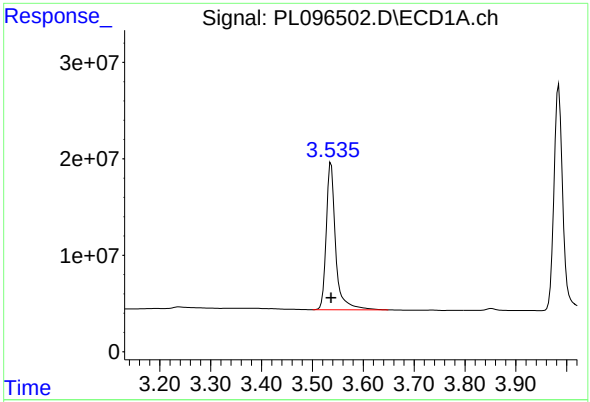
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Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm







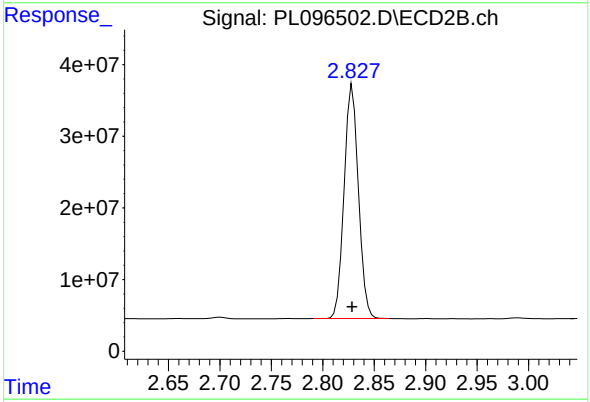
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 195912916
Conc: 53.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

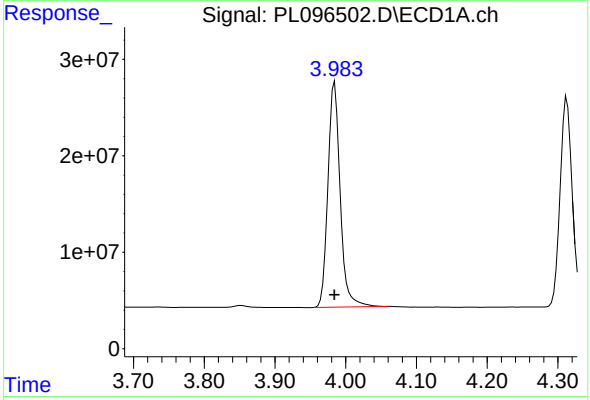
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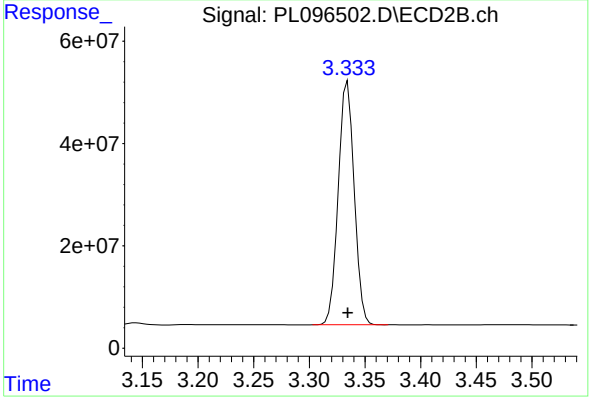
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 316446379
Conc: 54.83 ng/ml



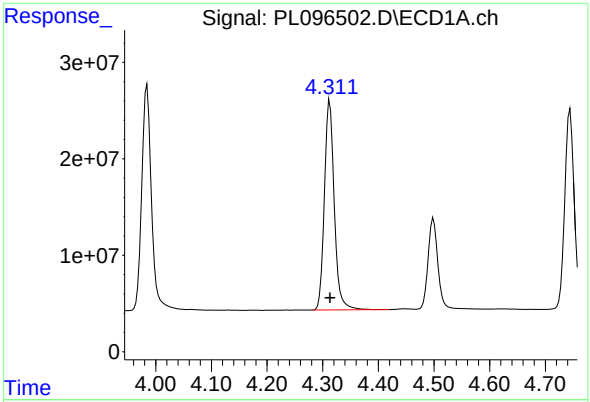
#2 alpha-BHC

R.T.: 3.984 min
Delta R.T.: 0.000 min
Response: 281573036
Conc: 54.75 ng/ml



#2 alpha-BHC

R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 474730195
Conc: 56.29 ng/ml



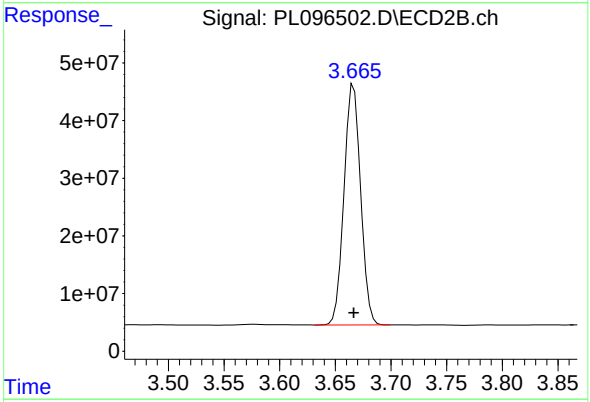
#3 gamma-BHC (Lindane)

R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 268050049
Conc: 53.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

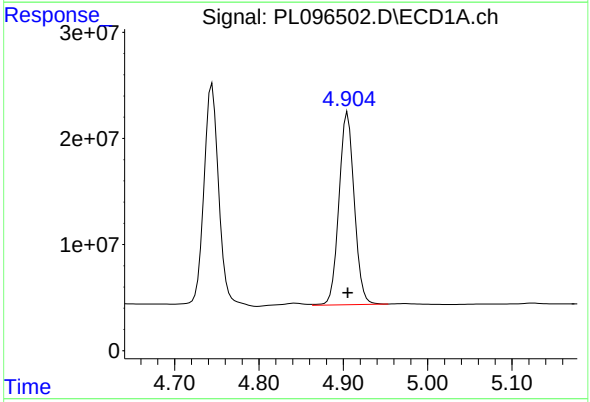
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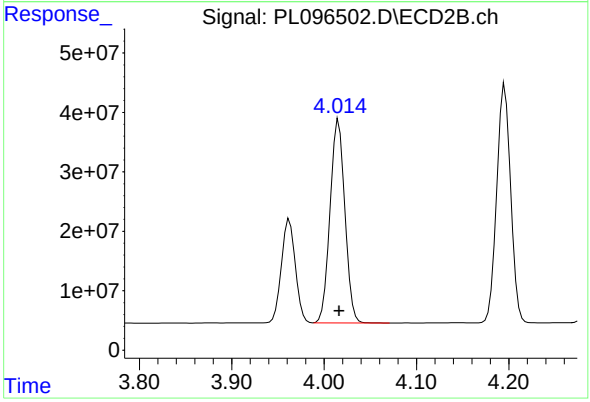
#3 gamma-BHC (Lindane)

R.T.: 3.667 min
Delta R.T.: 0.000 min
Response: 433754148
Conc: 55.07 ng/ml



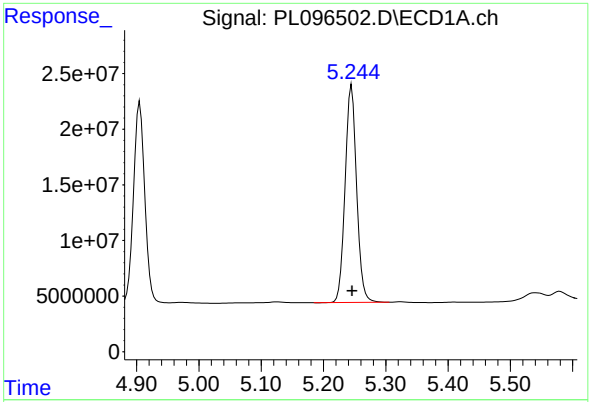
#4 Heptachlor

R.T.: 4.905 min
Delta R.T.: 0.000 min
Response: 228275049
Conc: 49.83 ng/ml



#4 Heptachlor

R.T.: 4.016 min
Delta R.T.: 0.000 min
Response: 381178956
Conc: 50.10 ng/ml



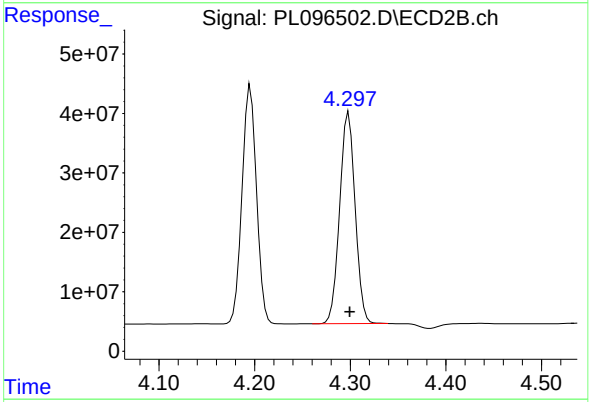
#5 Aldrin

R.T.: 5.245 min
Delta R.T.: 0.000 min
Response: 252945058
Conc: 52.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

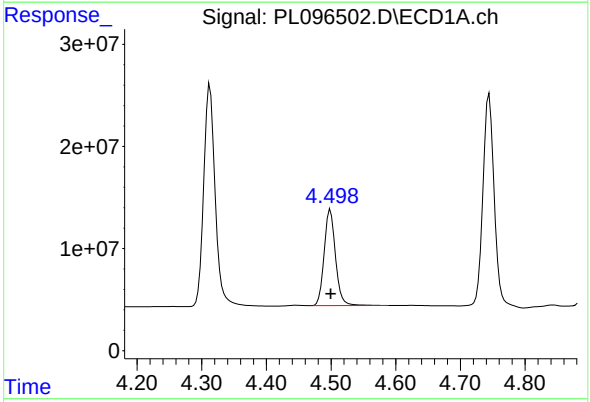
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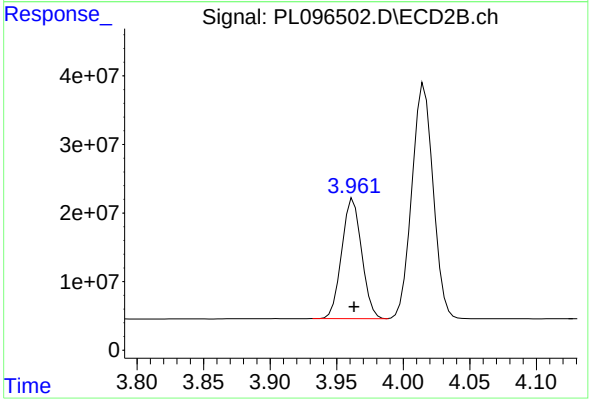
#5 Aldrin

R.T.: 4.298 min
Delta R.T.: 0.000 min
Response: 402045170
Conc: 55.11 ng/ml



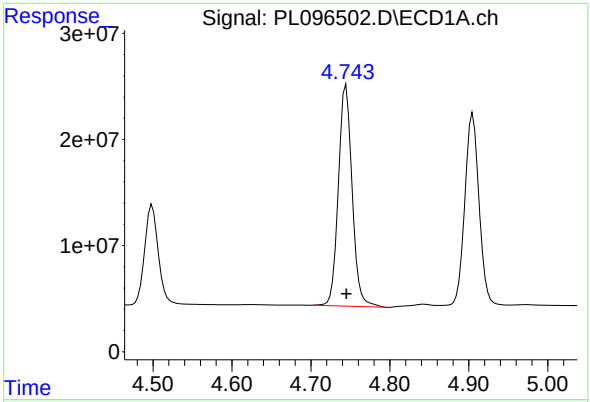
#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 114602316
Conc: 55.13 ng/ml



#6 beta-BHC

R.T.: 3.962 min
Delta R.T.: 0.000 min
Response: 182848458
Conc: 53.40 ng/ml



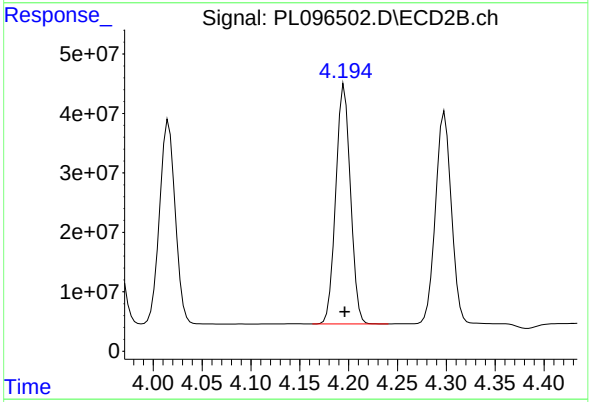
#7 delta-BHC

R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 252462406
Conc: 56.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

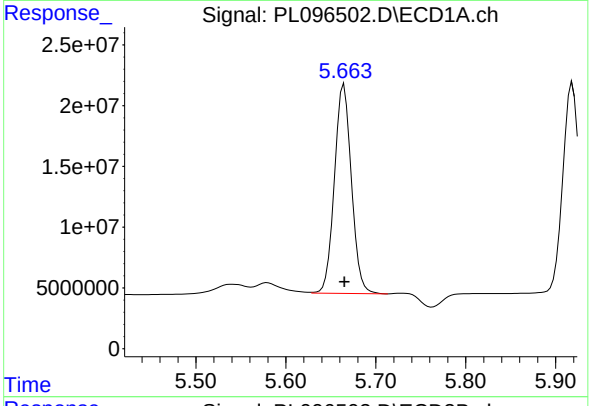
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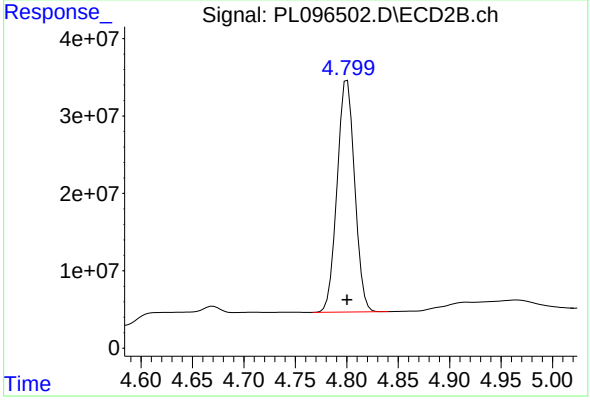
#7 delta-BHC

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 420868220
Conc: 54.64 ng/ml



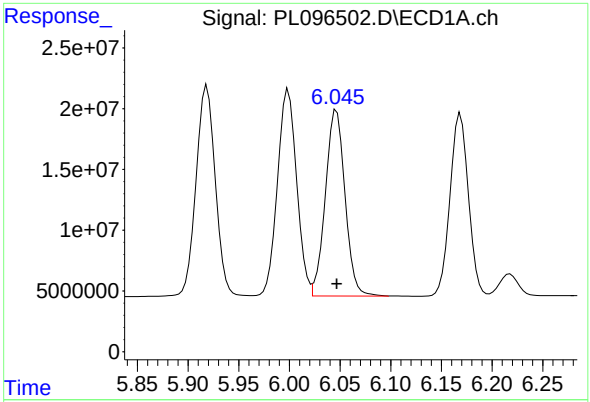
#8 Heptachlor epoxide

R.T.: 5.663 min
Delta R.T.: -0.002 min
Response: 225829942
Conc: 54.43 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.800 min
Delta R.T.: 0.000 min
Response: 355987651
Conc: 53.25 ng/ml



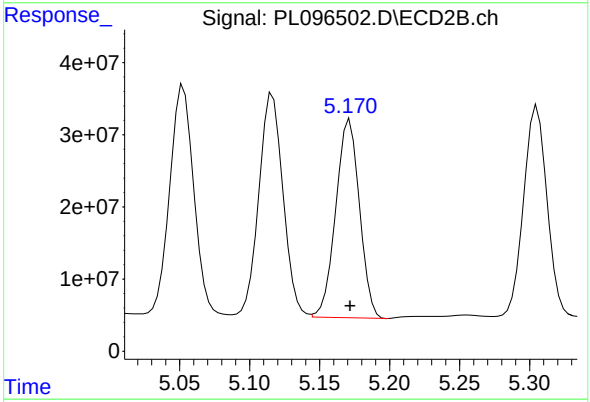
#9 Endosulfan I

R.T.: 6.045 min
Delta R.T.: -0.002 min
Response: 206347461
Conc: 51.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

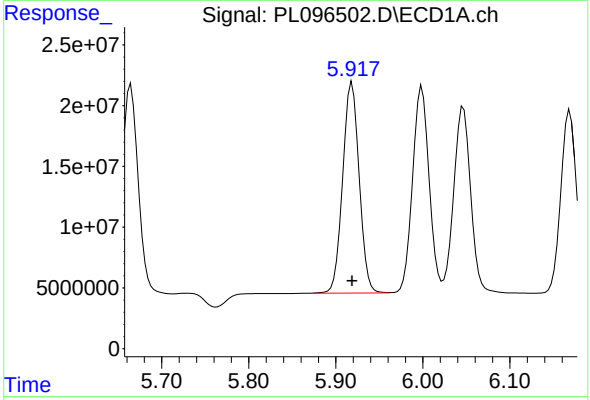
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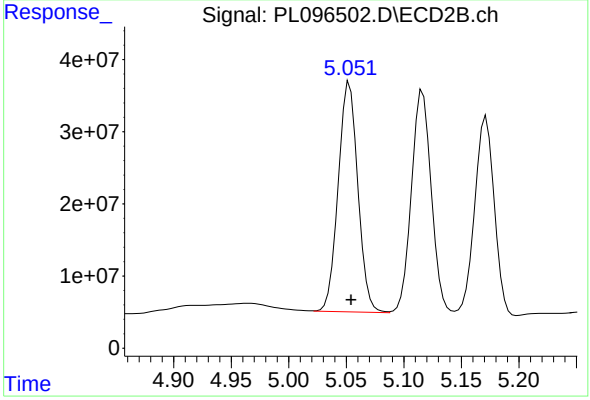
#9 Endosulfan I

R.T.: 5.172 min
Delta R.T.: 0.000 min
Response: 324492681
Conc: 45.23 ng/ml



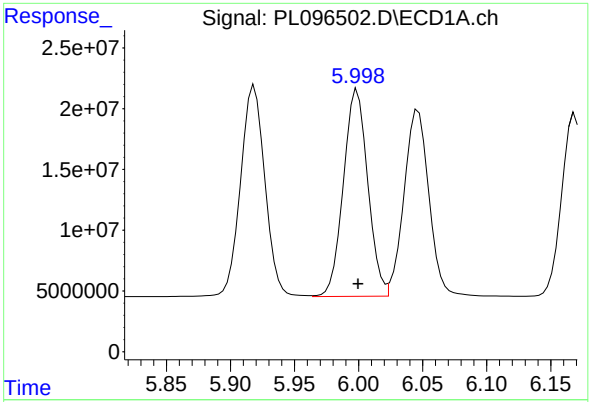
#10 gamma-Chlordane

R.T.: 5.917 min
Delta R.T.: -0.001 min
Response: 228551323
Conc: 51.65 ng/ml m



#10 gamma-Chlordane

R.T.: 5.053 min
Delta R.T.: -0.001 min
Response: 380150709
Conc: 54.15 ng/ml



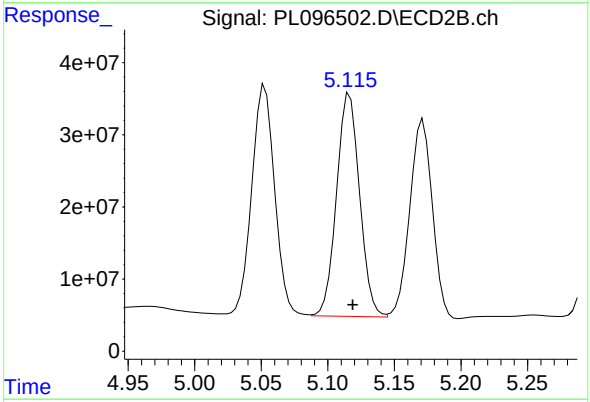
#11 alpha-Chlordane

R.T.: 5.998 min
Delta R.T.: -0.002 min
Response: 225050181
Conc: 51.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
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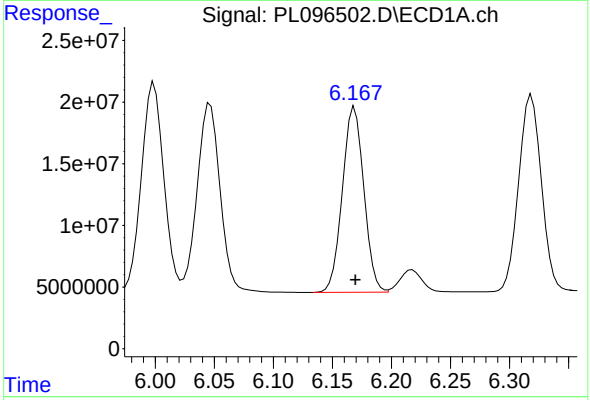
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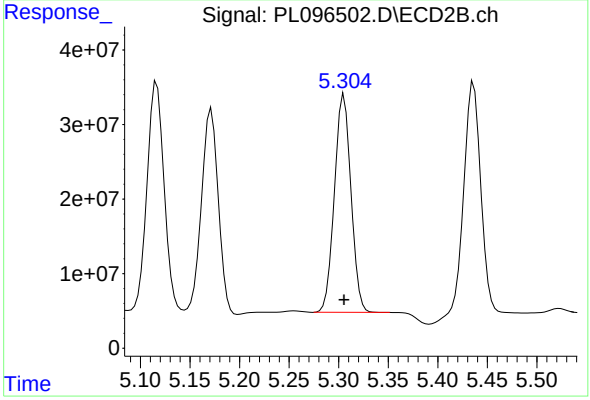
#11 alpha-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.002 min
Response: 372321092
Conc: 49.51 ng/ml



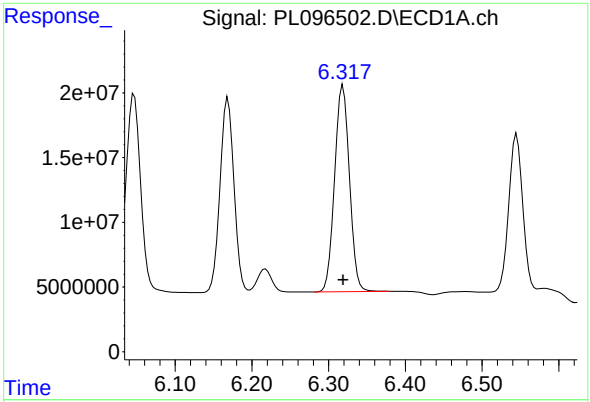
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 190080473
Conc: 51.27 ng/ml



#12 4,4'-DDE

R.T.: 5.305 min
Delta R.T.: 0.000 min
Response: 339559534
Conc: 52.53 ng/ml



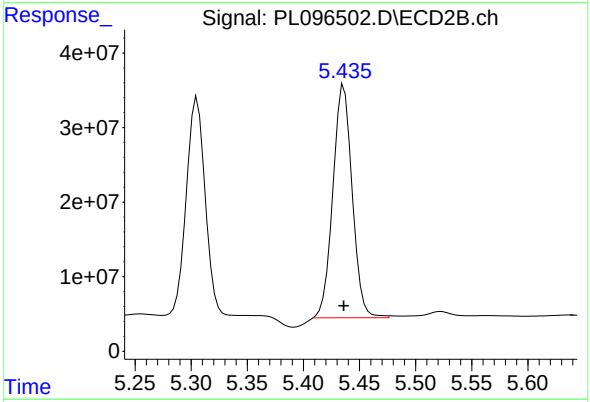
#13 Dieldrin

R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 214735022
Conc: 50.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
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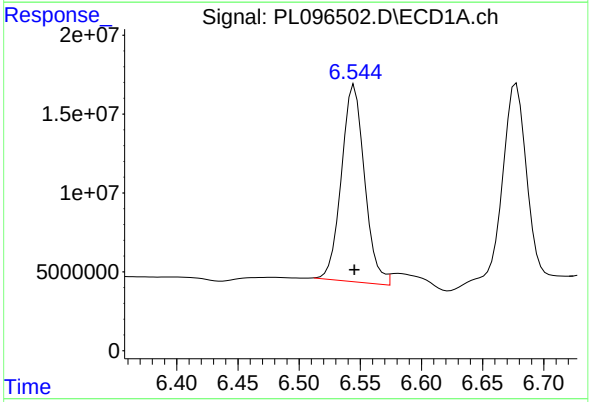
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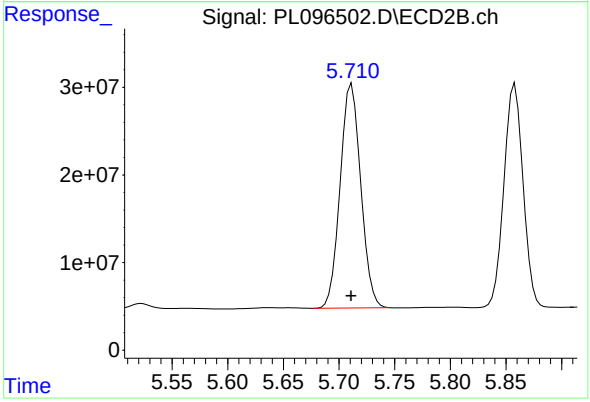
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: -0.001 min
Response: 373538747
Conc: 54.78 ng/ml m



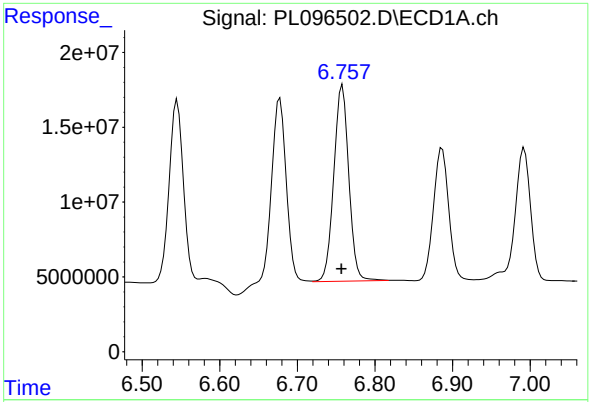
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 164310299
Conc: 52.83 ng/ml



#14 Endrin

R.T.: 5.711 min
Delta R.T.: 0.000 min
Response: 329898938
Conc: 54.11 ng/ml



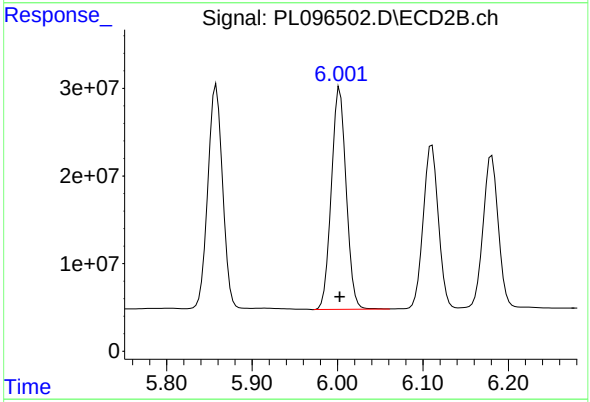
#15 Endosulfan II

R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 176473171
Conc: 50.86 ng/ml

Instrument :
ECD_L
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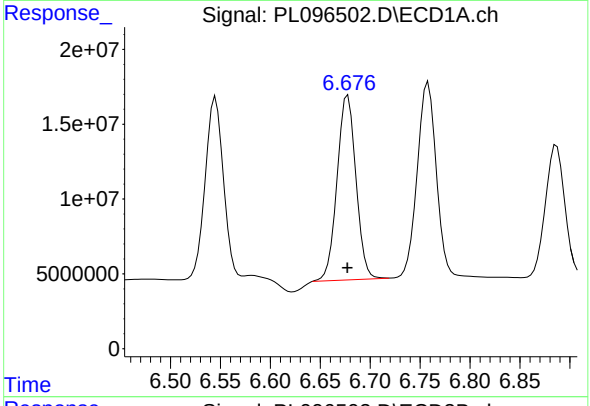
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Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



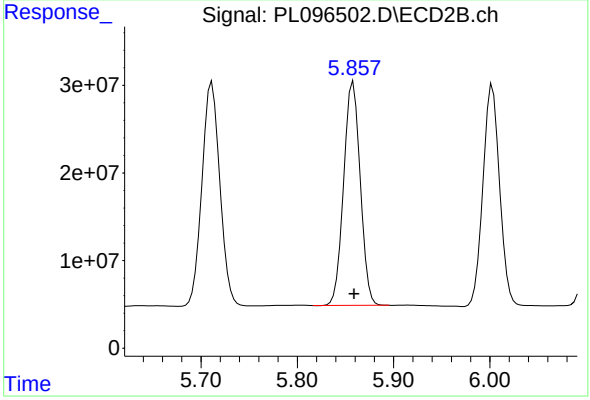
#15 Endosulfan II

R.T.: 6.003 min
Delta R.T.: 0.000 min
Response: 305465155
Conc: 52.09 ng/ml



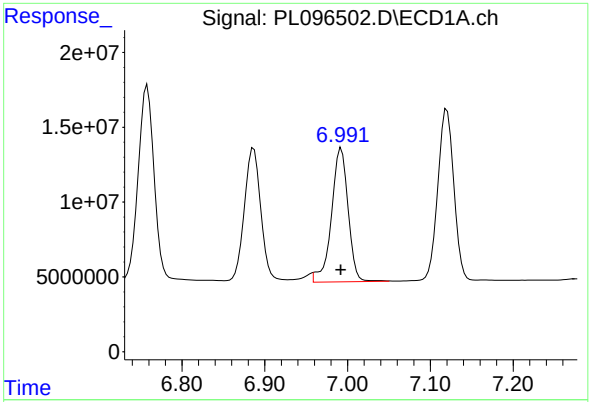
#16 4,4'-DDD

R.T.: 6.676 min
Delta R.T.: -0.001 min
Response: 162360170
Conc: 55.76 ng/ml m



#16 4,4'-DDD

R.T.: 5.858 min
Delta R.T.: 0.000 min
Response: 304324117
Conc: 59.34 ng/ml



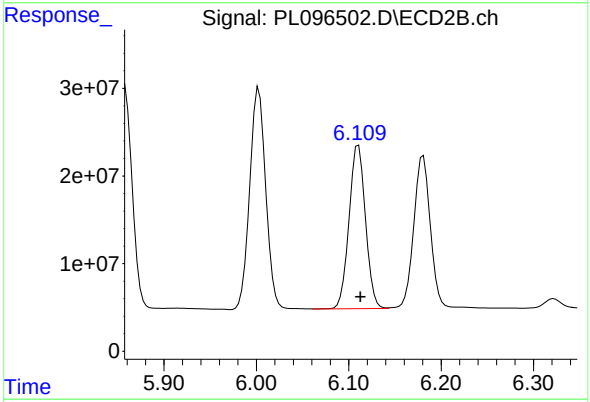
#17 4,4'-DDT

R.T.: 6.991 min
Delta R.T.: 0.000 min
Response: 124704247
Conc: 41.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

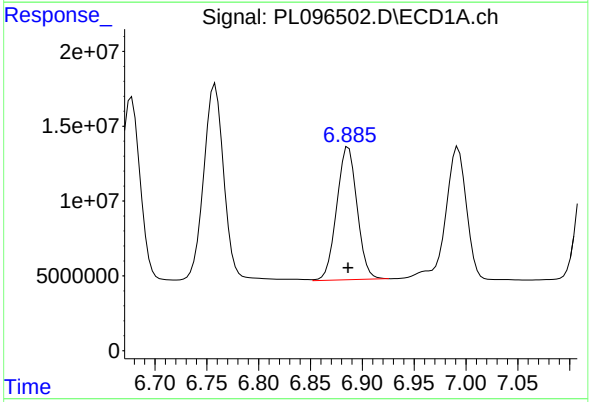
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



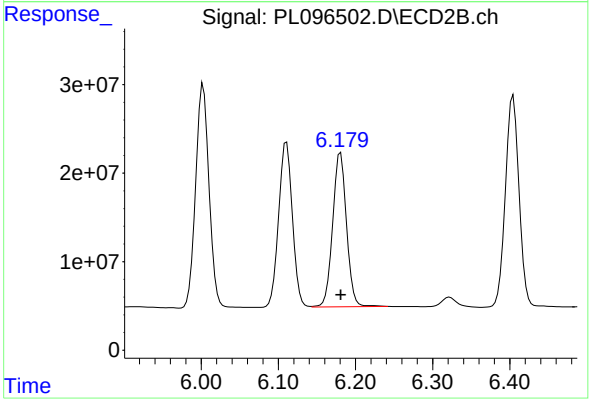
#17 4,4'-DDT

R.T.: 6.111 min
Delta R.T.: -0.002 min
Response: 230888836
Conc: 40.26 ng/ml



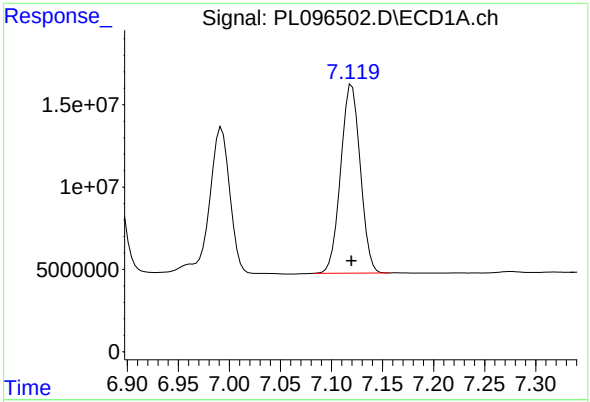
#18 Endrin aldehyde

R.T.: 6.885 min
Delta R.T.: -0.001 min
Response: 121376421
Conc: 54.29 ng/ml m



#18 Endrin aldehyde

R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 217366598
Conc: 48.80 ng/ml



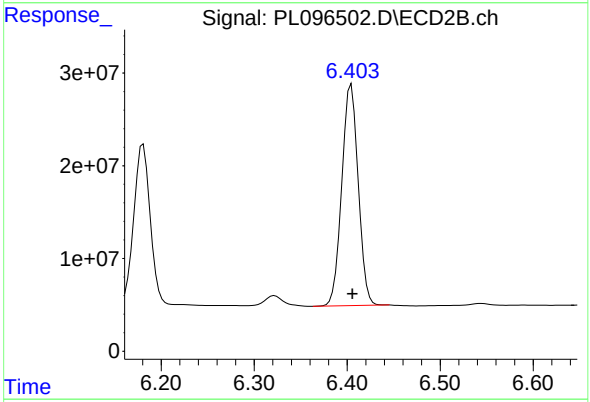
#19 Endosulfan Sulfate

R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 153119339
Conc: 50.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

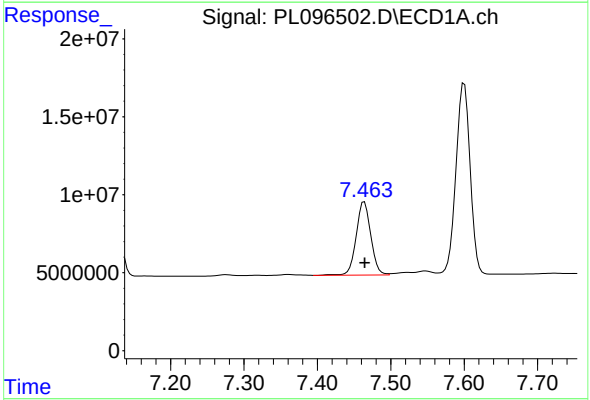
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



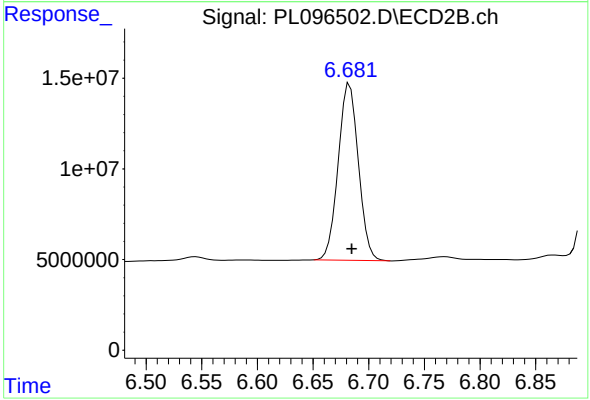
#19 Endosulfan Sulfate

R.T.: 6.404 min
Delta R.T.: -0.001 min
Response: 292942139
Conc: 52.08 ng/ml



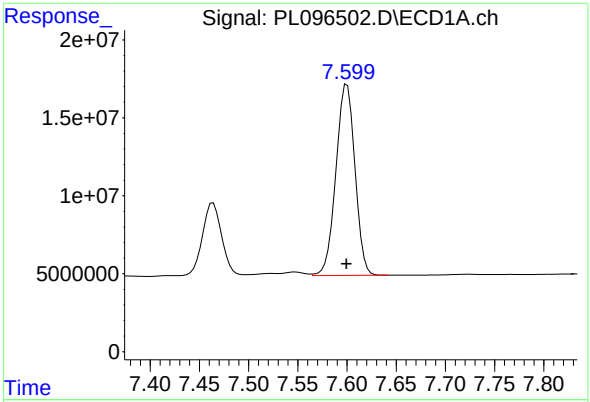
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 64782686
Conc: 41.12 ng/ml



#20 Methoxychlor

R.T.: 6.683 min
Delta R.T.: -0.002 min
Response: 123265008
Conc: 40.58 ng/ml



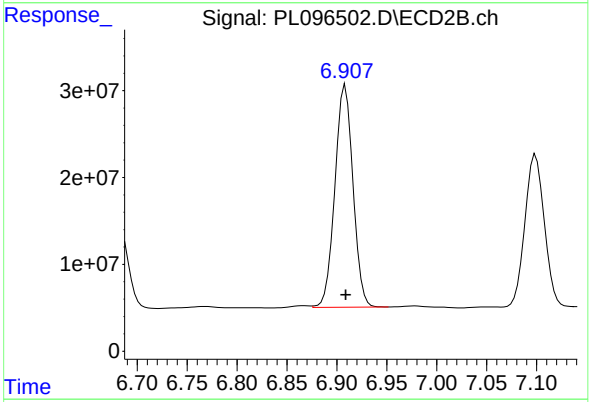
#21 Endrin ketone

R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 165059591
Conc: 49.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

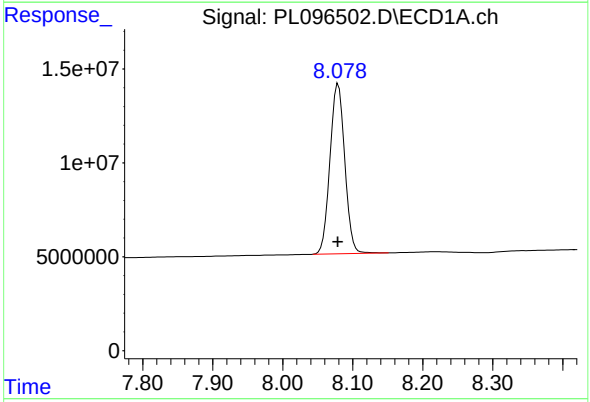
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



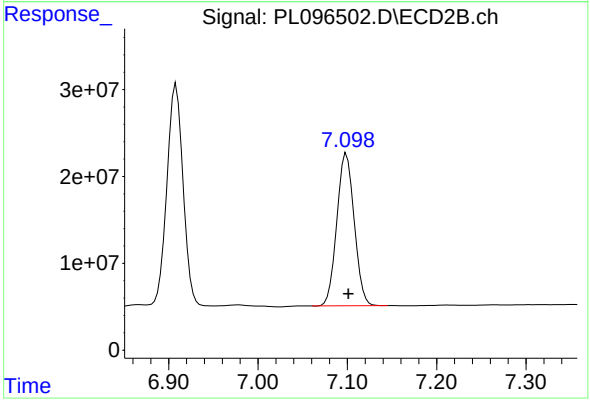
#21 Endrin ketone

R.T.: 6.908 min
Delta R.T.: 0.000 min
Response: 322358804
Conc: 51.56 ng/ml



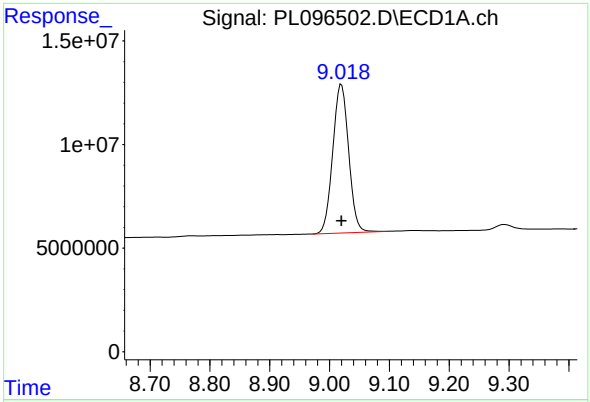
#22 Mirex

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 133168117
Conc: 47.86 ng/ml



#22 Mirex

R.T.: 7.099 min
Delta R.T.: -0.002 min
Response: 237109539
Conc: 47.73 ng/ml



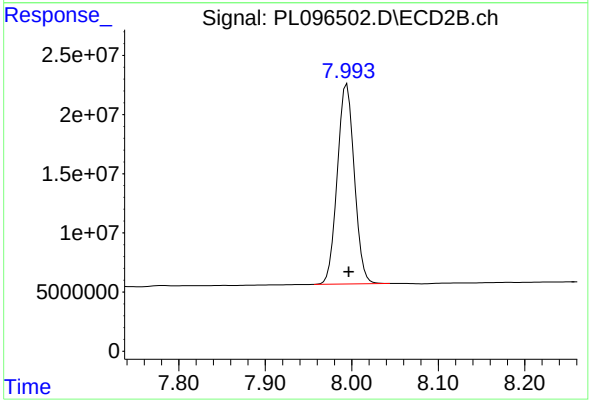
#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 132746650
Conc: 47.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.002 min
Response: 229720100
Conc: 46.07 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Continuing Calib Date: 07/22/2025 **Initial Calibration Date(s):** 07/07/2025 07/07/2025

Continuing Calib Time: 11:43 **Initial Calibration Time(s):** 10:53 11:49

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.02	9.02	8.92	9.12	0.00
Tetrachloro-m-xylene	3.53	3.54	3.44	3.64	0.01
alpha-BHC	3.98	3.99	3.89	4.09	0.01
beta-BHC	4.50	4.50	4.40	4.60	0.00
delta-BHC	4.74	4.75	4.65	4.85	0.01
gamma-BHC (Lindane)	4.31	4.31	4.21	4.41	0.00
Heptachlor	4.90	4.91	4.81	5.01	0.01
Aldrin	5.24	5.25	5.15	5.35	0.01
Heptachlor epoxide	5.66	5.67	5.57	5.77	0.01
Endosulfan I	6.04	6.05	5.95	6.15	0.01
Dieldrin	6.32	6.32	6.22	6.42	0.00
4,4'-DDE	6.17	6.17	6.07	6.27	0.00
Endrin	6.54	6.55	6.45	6.65	0.01
Endosulfan II	6.75	6.76	6.66	6.86	0.01
4,4'-DDD	6.68	6.68	6.58	6.78	0.00
Endosulfan sulfate	7.12	7.12	7.02	7.22	0.00
4,4'-DDT	6.99	6.99	6.89	7.09	0.00
Methoxychlor	7.46	7.46	7.36	7.56	0.00
Endrin ketone	7.60	7.60	7.50	7.70	0.00
Endrin aldehyde	6.88	6.89	6.79	6.99	0.01
alpha-Chlordane	6.00	6.00	5.90	6.10	0.00
gamma-Chlordane	5.92	5.92	5.82	6.02	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Continuing Calib Date: 07/22/2025 **Initial Calibration Date(s):** 07/07/2025 07/07/2025

Continuing Calib Time: 11:43 **Initial Calibration Time(s):** 10:53 11:49

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.99	8.00	7.90	8.10	0.01
Tetrachloro-m-xylene	2.83	2.83	2.73	2.93	0.00
alpha-BHC	3.33	3.34	3.24	3.44	0.01
beta-BHC	3.96	3.96	3.86	4.06	0.00
delta-BHC	4.19	4.20	4.10	4.30	0.01
gamma-BHC (Lindane)	3.66	3.67	3.57	3.77	0.01
Heptachlor	4.01	4.02	3.92	4.12	0.01
Aldrin	4.30	4.30	4.20	4.40	0.00
Heptachlor epoxide	4.80	4.80	4.70	4.90	0.00
Endosulfan I	5.17	5.17	5.07	5.27	0.00
Dieldrin	5.43	5.44	5.34	5.54	0.01
4,4'-DDE	5.30	5.31	5.21	5.41	0.01
Endrin	5.71	5.71	5.61	5.81	0.00
Endosulfan II	6.00	6.00	5.90	6.10	0.00
4,4'-DDD	5.86	5.86	5.76	5.96	0.00
Endosulfan sulfate	6.40	6.41	6.31	6.51	0.01
4,4'-DDT	6.11	6.11	6.01	6.21	0.00
Methoxychlor	6.68	6.68	6.58	6.78	0.00
Endrin ketone	6.91	6.91	6.81	7.01	0.00
Endrin aldehyde	6.18	6.18	6.08	6.28	0.00
alpha-Chlordane	5.11	5.12	5.02	5.22	0.01
gamma-Chlordane	5.05	5.05	4.95	5.15	0.00

Alliance TECHNICAL GROUP

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

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

Client Sample No.: CCAL04 **Date Analyzed:** 07/22/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL096506.D **Time Analyzed:** 11:43

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.675	6.578	6.778	51.670	50.000	3.3
4,4'-DDE	6.166	6.069	6.269	50.840	50.000	1.7
4,4'-DDT	6.989	6.892	7.092	54.900	50.000	9.8
Aldrin	5.242	5.146	5.346	51.970	50.000	3.9
alpha-BHC	3.982	3.885	4.085	53.760	50.000	7.5
alpha-Chlordane	5.997	5.900	6.100	51.590	50.000	3.2
beta-BHC	4.497	4.399	4.599	53.810	50.000	7.6
Decachlorobiphenyl	9.016	8.920	9.120	48.640	50.000	-2.7
delta-BHC	4.742	4.646	4.846	53.810	50.000	7.6
Dieldrin	6.316	6.219	6.419	51.340	50.000	2.7
Endosulfan I	6.044	5.947	6.147	51.410	50.000	2.8
Endosulfan II	6.754	6.658	6.858	57.570	50.000	15.1
Endosulfan sulfate	7.117	7.019	7.219	50.920	50.000	1.8
Endrin	6.543	6.445	6.645	54.560	50.000	9.1
Endrin aldehyde	6.884	6.786	6.986	56.570	50.000	13.1
Endrin ketone	7.597	7.500	7.700	48.600	50.000	-2.8
gamma-BHC (Lindane)	4.310	4.213	4.413	53.340	50.000	6.7
gamma-Chlordane	5.916	5.819	6.019	51.470	50.000	2.9
Heptachlor	4.903	4.806	5.006	54.150	50.000	8.3
Heptachlor epoxide	5.662	5.565	5.765	54.740	50.000	9.5
Methoxychlor	7.462	7.364	7.564	51.370	50.000	2.7
Tetrachloro-m-xylene	3.534	3.438	3.638	52.410	50.000	4.8

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

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

Client Sample No.: CCAL04 **Date Analyzed:** 07/22/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL096506.D **Time Analyzed:** 11:43

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.855	5.759	5.959	58.830	50.000	17.7
4,4'-DDE	5.303	5.207	5.407	56.100	50.000	12.2
4,4'-DDT	6.108	6.012	6.212	56.310	50.000	12.6
Aldrin	4.296	4.200	4.400	56.810	50.000	13.6
alpha-BHC	3.332	3.235	3.435	57.440	50.000	14.9
alpha-Chlordane	5.114	5.018	5.218	50.920	50.000	1.8
beta-BHC	3.960	3.863	4.063	55.250	50.000	10.5
Decachlorobiphenyl	7.991	7.896	8.096	51.420	50.000	2.8
delta-BHC	4.193	4.097	4.297	57.120	50.000	14.2
Dieldrin	5.433	5.338	5.538	55.820	50.000	11.6
Endosulfan I	5.168	5.073	5.273	48.270	50.000	-3.5
Endosulfan II	6.000	5.904	6.104	56.570	50.000	13.1
Endosulfan sulfate	6.402	6.306	6.506	56.560	50.000	13.1
Endrin	5.708	5.612	5.812	56.270	50.000	12.5
Endrin aldehyde	6.178	6.082	6.282	53.900	50.000	7.8
Endrin ketone	6.906	6.810	7.010	54.030	50.000	8.1
gamma-BHC (Lindane)	3.664	3.567	3.767	56.860	50.000	13.7
gamma-Chlordane	5.049	4.954	5.154	55.680	50.000	11.4
Heptachlor	4.013	3.917	4.117	57.430	50.000	14.9
Heptachlor epoxide	4.798	4.702	4.902	55.340	50.000	10.7
Methoxychlor	6.680	6.584	6.784	55.800	50.000	11.6
Tetrachloro-m-xylene	2.826	2.729	2.929	55.490	50.000	11.0

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096506.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 11:43
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:46:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.534	2.826	191.2E6	320.3E6	52.409	55.492
28)	SA Decachlor...	9.016	7.991	136.8E6	256.4E6	48.645	51.421
	Target Compounds						
2)	A alpha-BHC	3.982	3.332	276.5E6	484.5E6	53.758	57.442
3)	MA gamma-BHC...	4.310	3.664	265.6E6	447.8E6	53.341	56.863
4)	MA Heptachlor	4.903	4.013	248.1E6	436.9E6	54.153	57.432
5)	MB Aldrin	5.242	4.296	251.2E6	414.5E6	51.972	56.812
6)	B beta-BHC	4.497	3.960	111.9E6	189.2E6	53.809	55.251
7)	B delta-BHC	4.742	4.193	241.1E6	439.9E6	53.805	57.117
8)	B Heptachlo...	5.662	4.798	227.1E6	370.0E6	54.741	55.342
9)	A Endosulfan I	6.044	5.168	207.6E6	346.3E6	51.413	48.271
10)	B gamma-Chl...	5.916	5.049	227.7E6	390.8E6	51.468	55.678
11)	B alpha-Chl...	5.997	5.114	225.9E6	382.9E6	51.589	50.918
12)	B 4,4'-DDE	6.166	5.303	188.5E6	362.6E6	50.838	56.096
13)	MA Dieldrin	6.316	5.433	217.1E6	380.6E6	51.338	55.820
14)	MA Endrin	6.543	5.708	169.7E6	343.1E6	54.557	56.274
15)	B Endosulfa...	6.754	6.000	199.8E6	331.7E6	57.574m	56.567
16)	A 4,4'-DDD	6.675	5.855	150.5E6	301.7E6	51.671	58.828
17)	MA 4,4'-DDT	6.989	6.108	166.6E6	323.0E6	54.896	56.314
18)	B Endrin al...	6.884	6.178	126.5E6	240.1E6	56.574	53.904
19)	B Endosulfa...	7.117	6.402	155.7E6	318.1E6	50.917	56.563
20)	A Methoxychlor	7.462	6.680	80920625	169.5E6	51.365	55.798
21)	B Endrin ke...	7.597	6.906	160.4E6	337.8E6	48.596	54.033
22)	Mirex	8.077	7.097	138.7E6	261.3E6	49.841	52.590

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

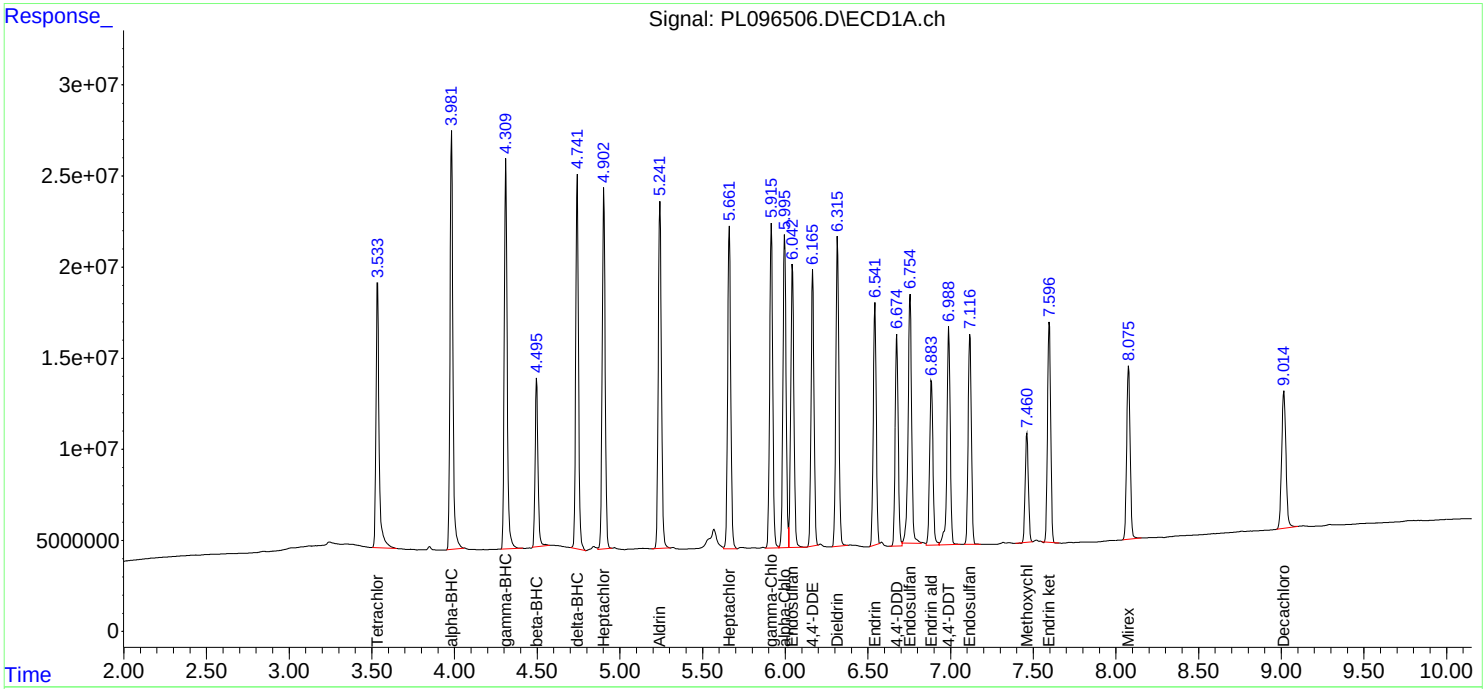
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096506.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 11:43
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

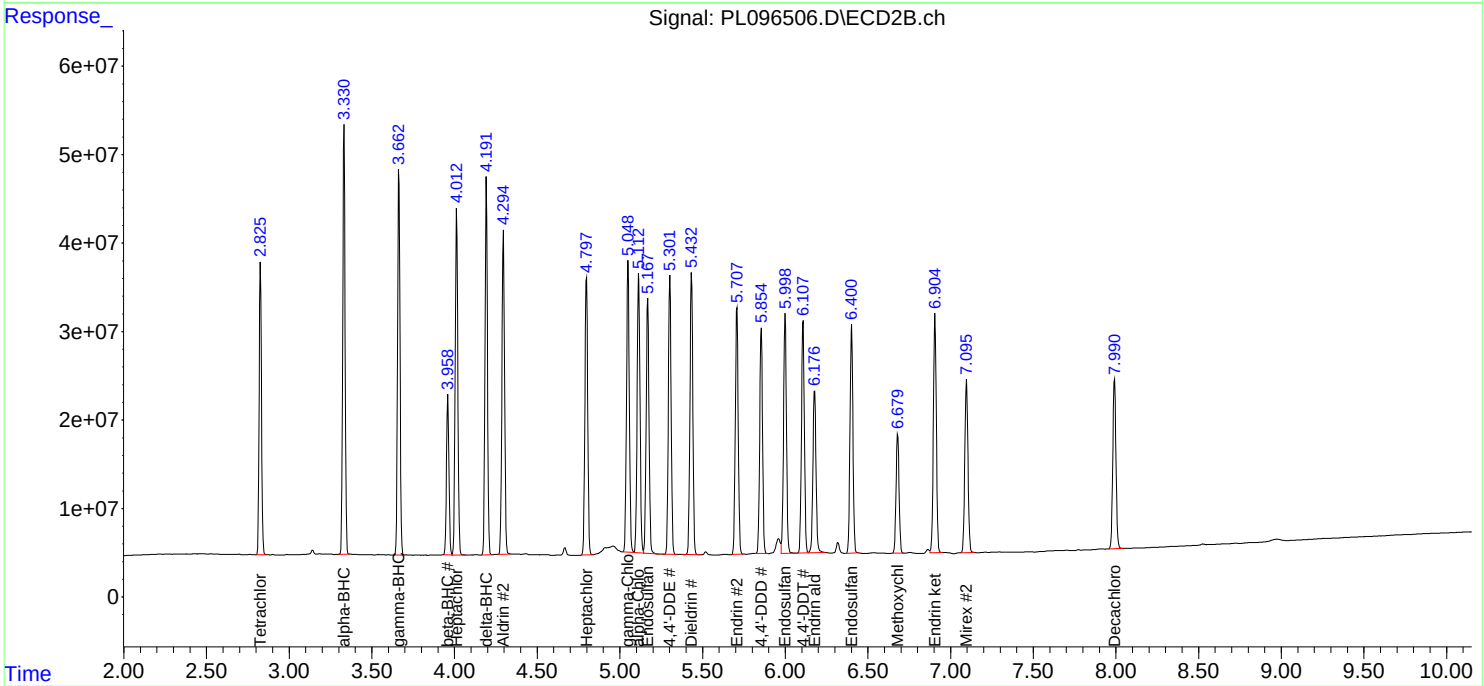
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

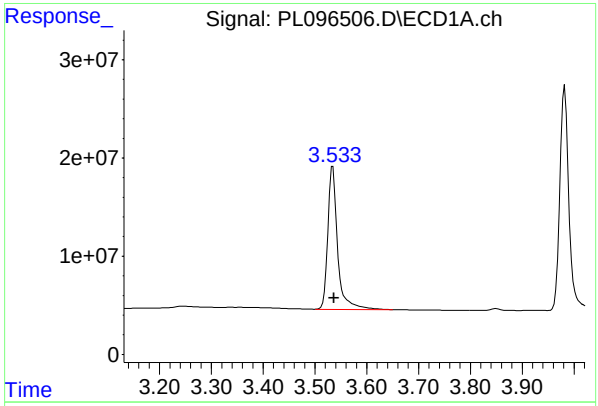
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Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:46:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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







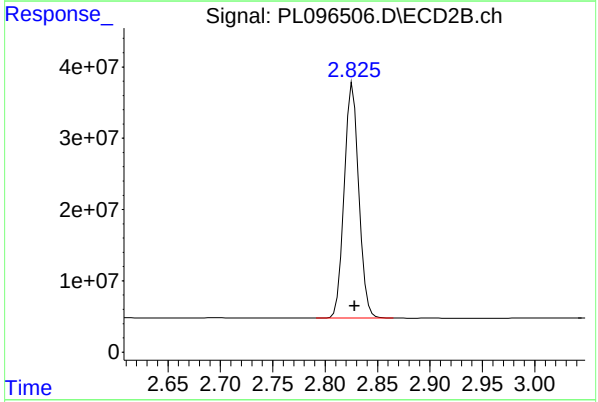
#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: -0.003 min
Response: 191239765
Conc: 52.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

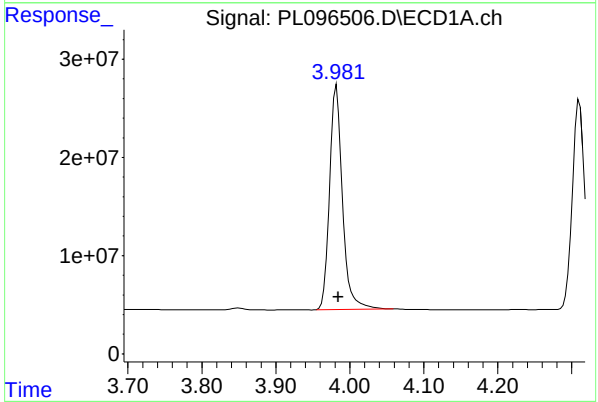
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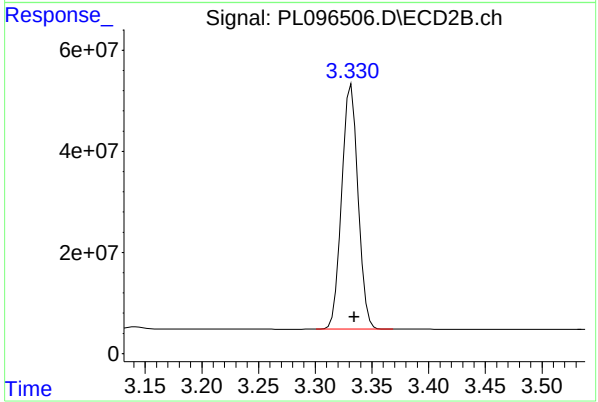
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 320255097
Conc: 55.49 ng/ml



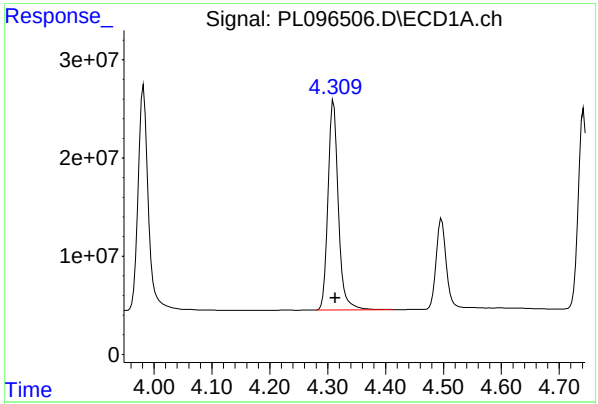
#2 alpha-BHC

R.T.: 3.982 min
Delta R.T.: -0.002 min
Response: 276485987
Conc: 53.76 ng/ml



#2 alpha-BHC

R.T.: 3.332 min
Delta R.T.: -0.003 min
Response: 484484852
Conc: 57.44 ng/ml



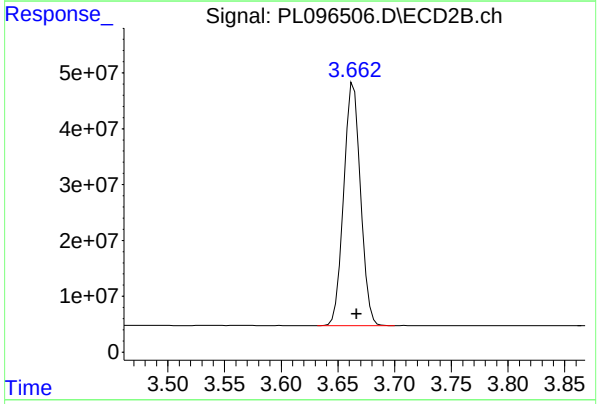
#3 gamma-BHC (Lindane)

R.T.: 4.310 min
Delta R.T.: -0.003 min
Response: 265617424
Conc: 53.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

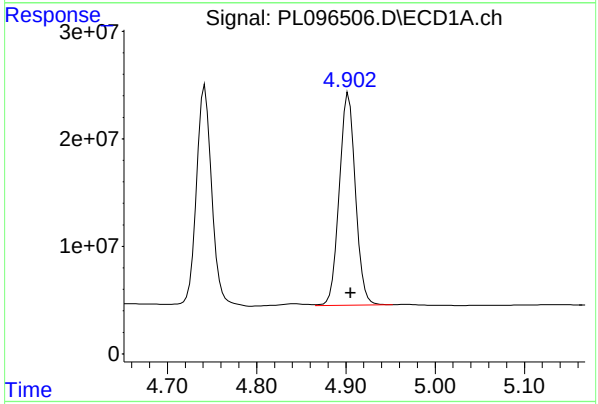
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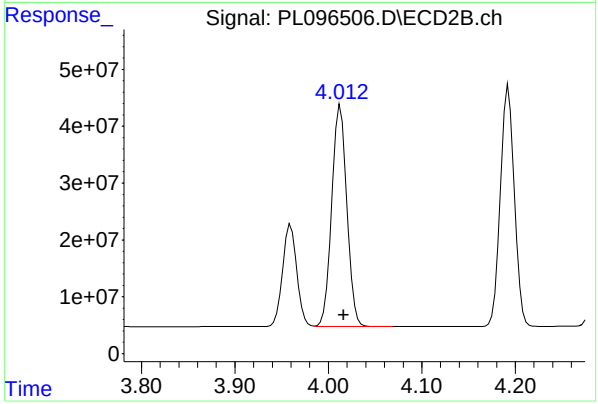
#3 gamma-BHC (Lindane)

R.T.: 3.664 min
Delta R.T.: -0.003 min
Response: 447841851
Conc: 56.86 ng/ml



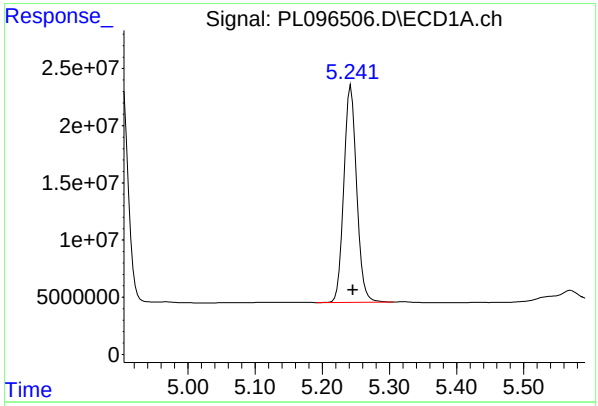
#4 Heptachlor

R.T.: 4.903 min
Delta R.T.: -0.002 min
Response: 248085356
Conc: 54.15 ng/ml



#4 Heptachlor

R.T.: 4.013 min
Delta R.T.: -0.003 min
Response: 436927835
Conc: 57.43 ng/ml



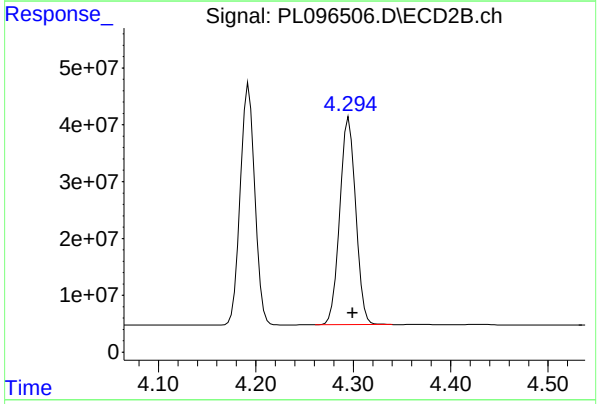
#5 Aldrin

R.T.: 5.242 min
Delta R.T.: -0.003 min
Response: 251216195
Conc: 51.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

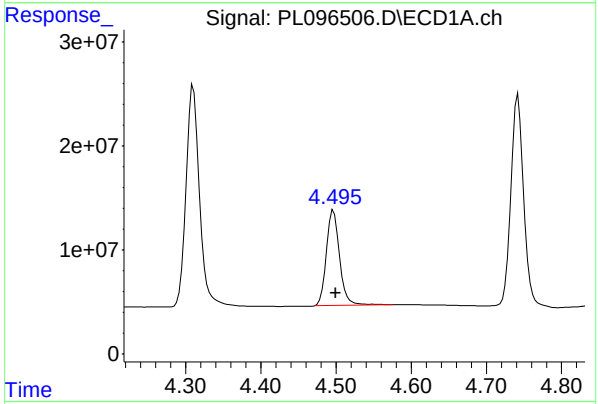
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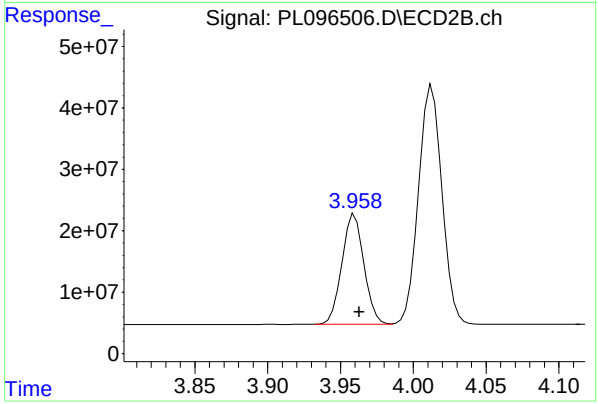
#5 Aldrin

R.T.: 4.296 min
Delta R.T.: -0.004 min
Response: 414480607
Conc: 56.81 ng/ml



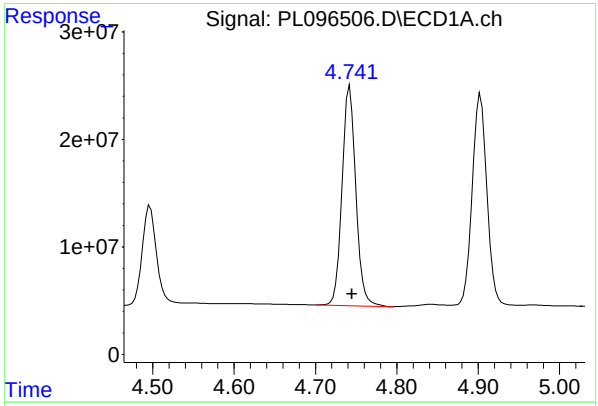
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: -0.003 min
Response: 111858634
Conc: 53.81 ng/ml



#6 beta-BHC

R.T.: 3.960 min
Delta R.T.: -0.003 min
Response: 189173591
Conc: 55.25 ng/ml



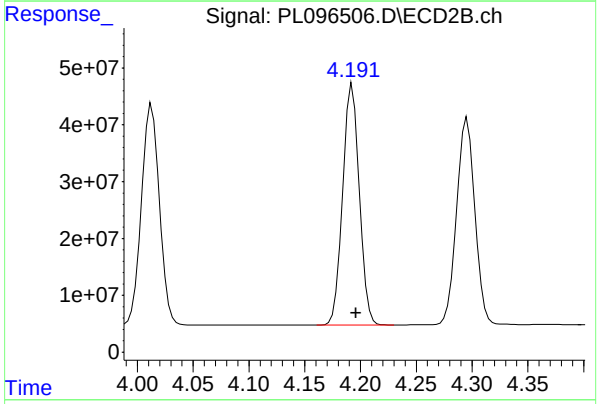
#7 delta-BHC

R.T.: 4.742 min
Delta R.T.: -0.003 min
Response: 241119962
Conc: 53.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

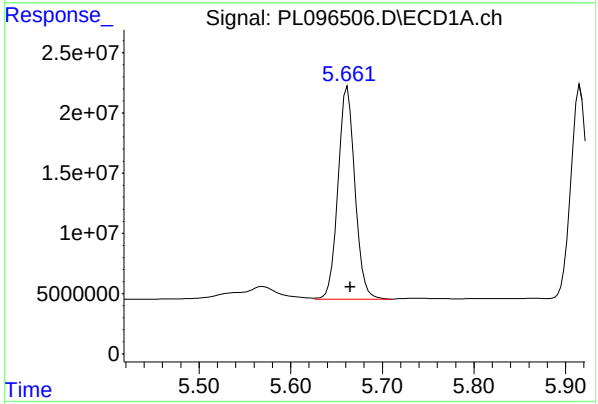
Manual Integrations
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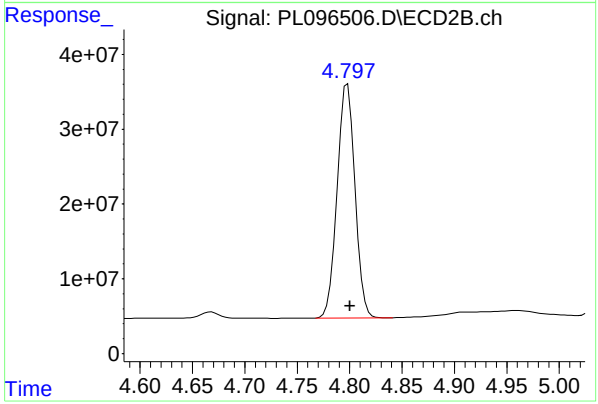
#7 delta-BHC

R.T.: 4.193 min
Delta R.T.: -0.003 min
Response: 439907256
Conc: 57.12 ng/ml



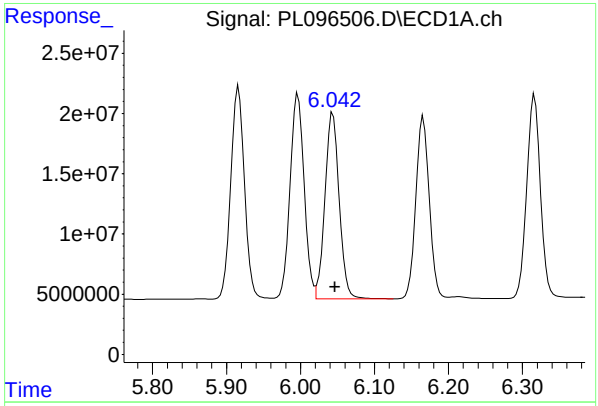
#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: -0.003 min
Response: 227129102
Conc: 54.74 ng/ml



#8 Heptachlor epoxide

R.T.: 4.798 min
Delta R.T.: -0.003 min
Response: 369956699
Conc: 55.34 ng/ml



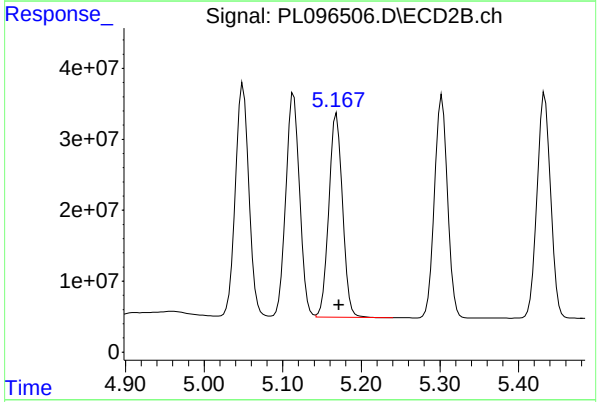
#9 Endosulfan I

R.T.: 6.044 min
Delta R.T.: -0.003 min
Response: 207569247
Conc: 51.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

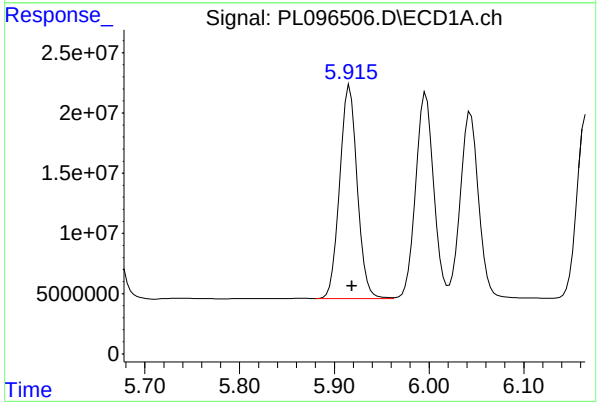
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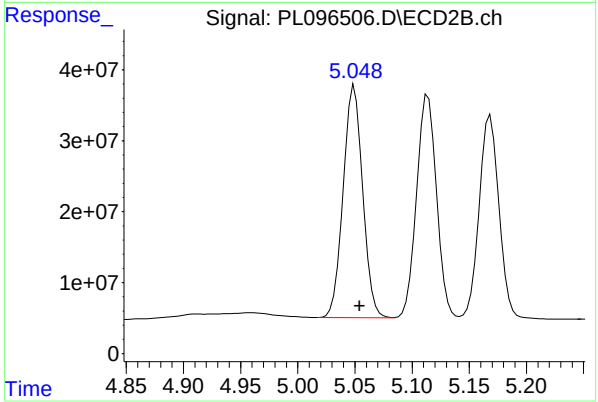
#9 Endosulfan I

R.T.: 5.168 min
Delta R.T.: -0.003 min
Response: 346305226
Conc: 48.27 ng/ml



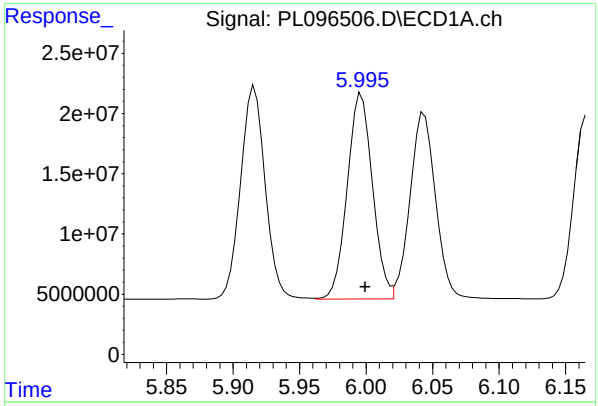
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: -0.003 min
Response: 227736443
Conc: 51.47 ng/ml



#10 gamma-Chlordane

R.T.: 5.049 min
Delta R.T.: -0.005 min
Response: 390842967
Conc: 55.68 ng/ml



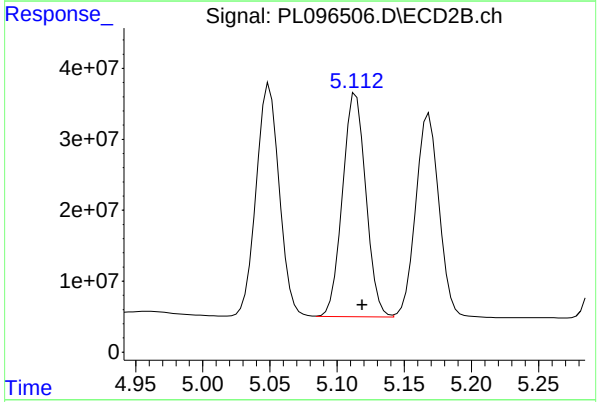
#11 alpha-Chlordane

R.T.: 5.997 min
Delta R.T.: -0.003 min
Response: 225902391
Conc: 51.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

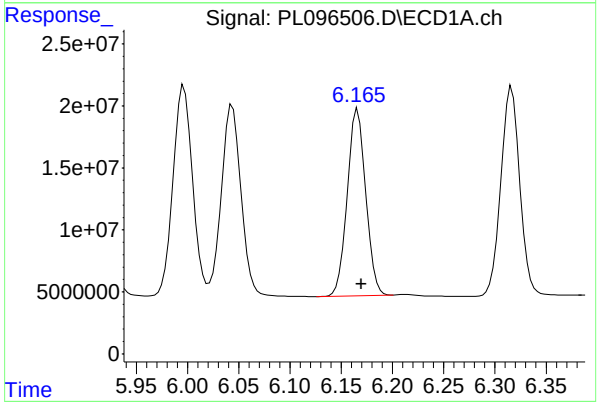
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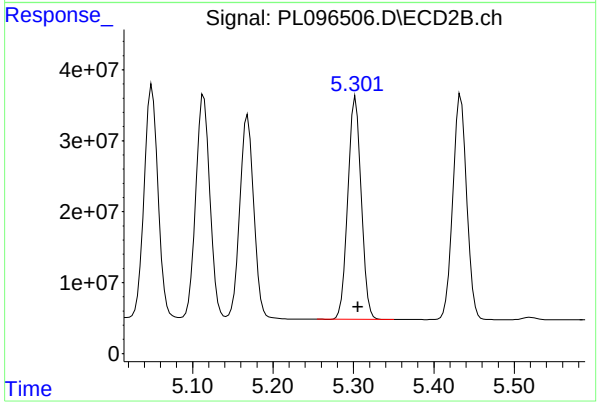
#11 alpha-Chlordane

R.T.: 5.114 min
Delta R.T.: -0.005 min
Response: 382914797
Conc: 50.92 ng/ml



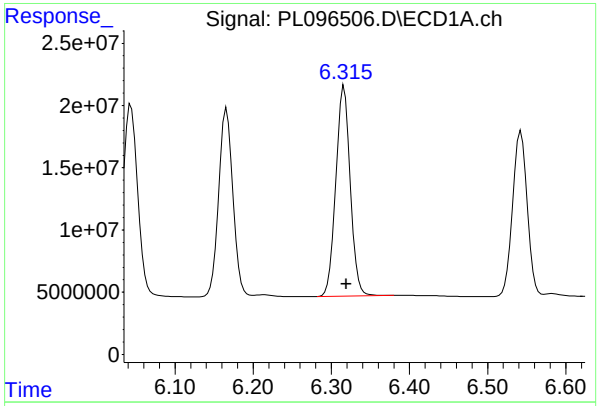
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: -0.004 min
Response: 188479300
Conc: 50.84 ng/ml



#12 4,4'-DDE

R.T.: 5.303 min
Delta R.T.: -0.003 min
Response: 362585544
Conc: 56.10 ng/ml



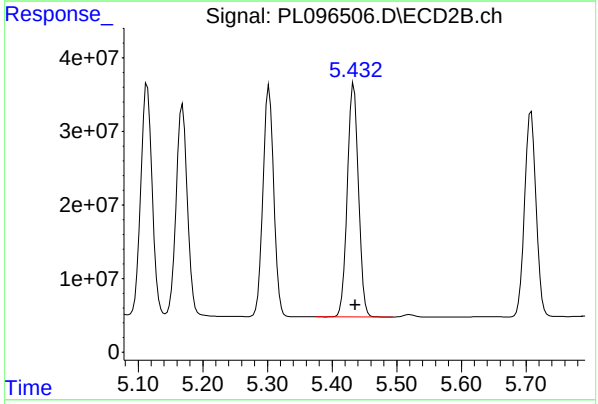
#13 Dieldrin

R.T.: 6.316 min
Delta R.T.: -0.003 min
Response: 217076425
Conc: 51.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

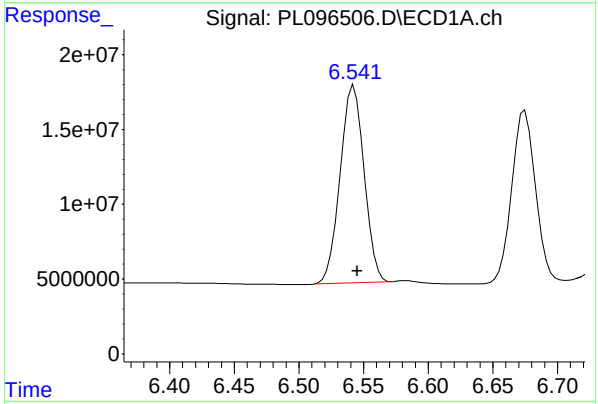
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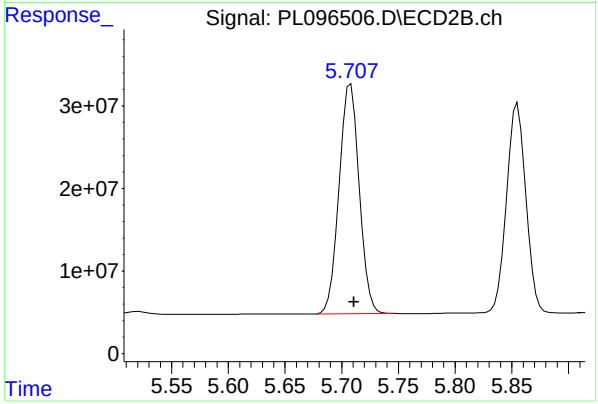
#13 Dieldrin

R.T.: 5.433 min
Delta R.T.: -0.003 min
Response: 380649751
Conc: 55.82 ng/ml



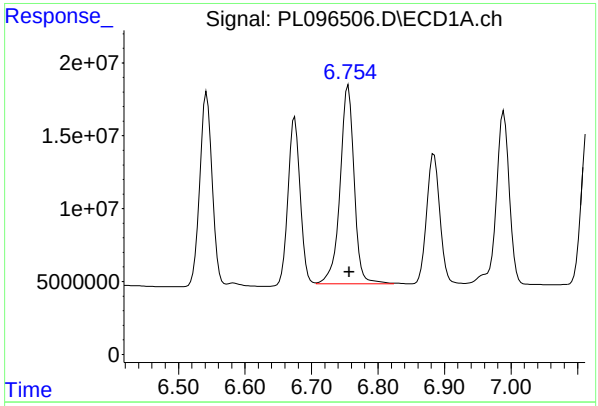
#14 Endrin

R.T.: 6.543 min
Delta R.T.: -0.003 min
Response: 169685275
Conc: 54.56 ng/ml



#14 Endrin

R.T.: 5.708 min
Delta R.T.: -0.003 min
Response: 343075741
Conc: 56.27 ng/ml



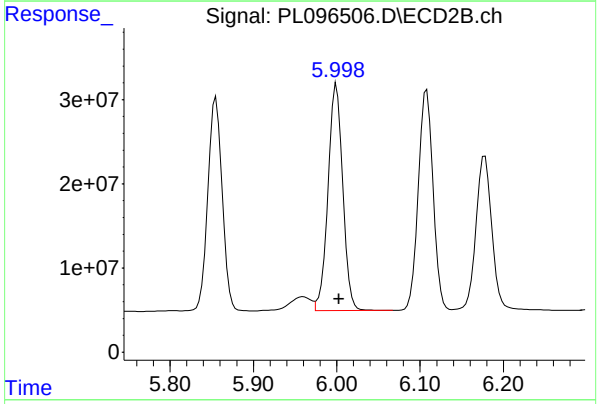
#15 Endosulfan II

R.T.: 6.754 min
Delta R.T.: -0.003 min
Response: 199785016
Conc: 57.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

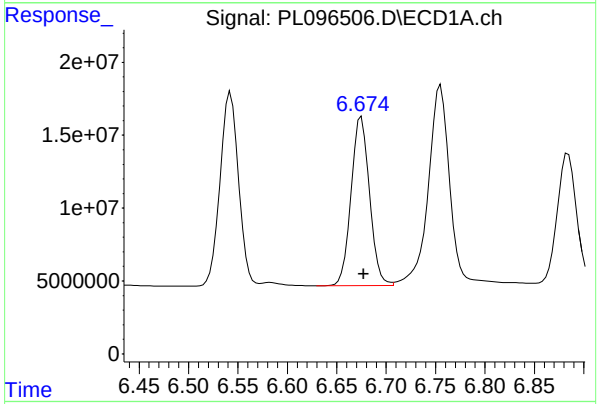
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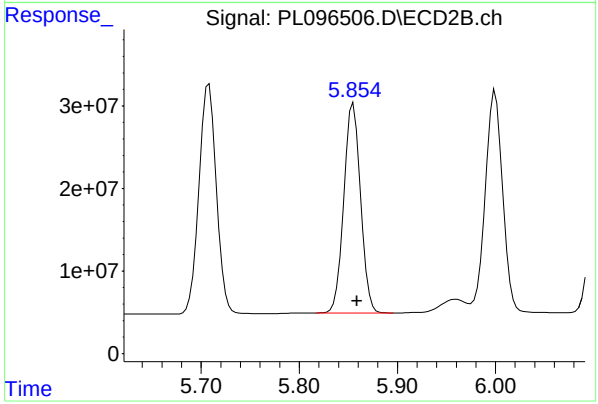
#15 Endosulfan II

R.T.: 6.000 min
Delta R.T.: -0.003 min
Response: 331705023
Conc: 56.57 ng/ml



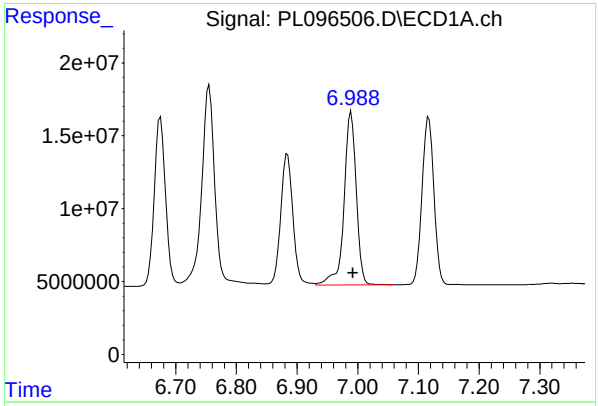
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: -0.002 min
Response: 150450217
Conc: 51.67 ng/ml



#16 4,4'-DDD

R.T.: 5.855 min
Delta R.T.: -0.004 min
Response: 301712298
Conc: 58.83 ng/ml



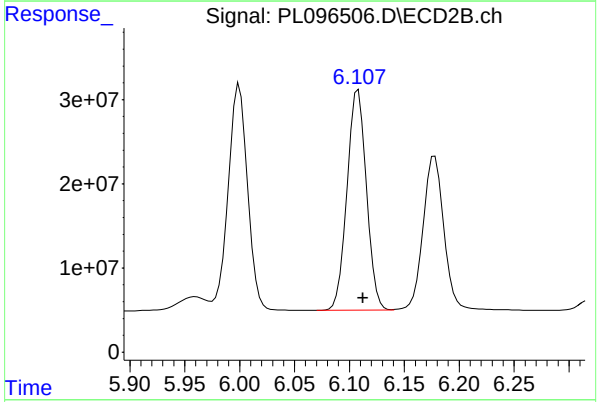
#17 4,4'-DDT

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 166619776
Conc: 54.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

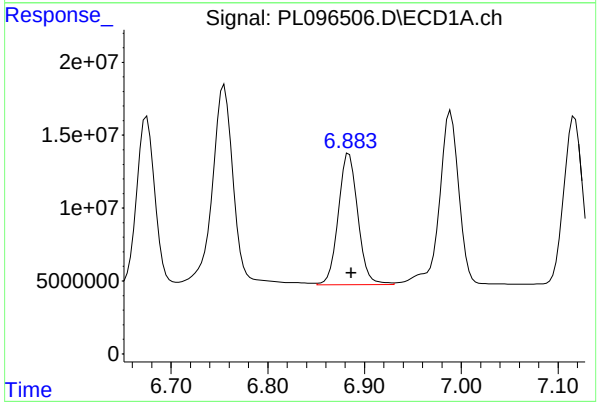
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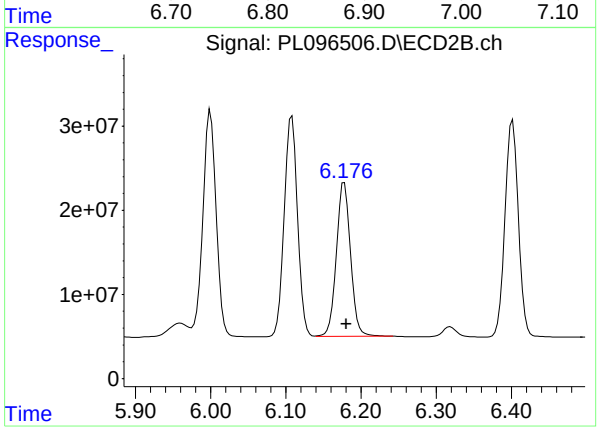
#17 4,4'-DDT

R.T.: 6.108 min
Delta R.T.: -0.005 min
Response: 322970242
Conc: 56.31 ng/ml



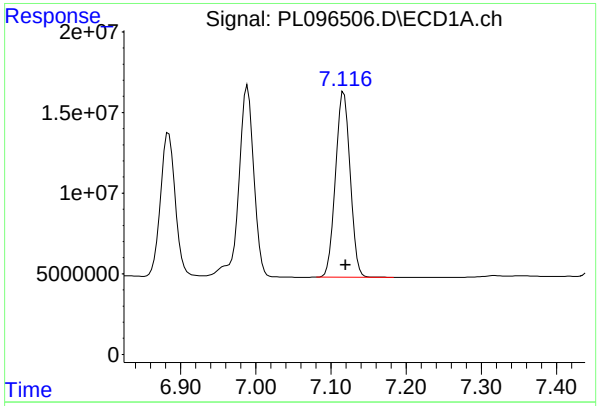
#18 Endrin aldehyde

R.T.: 6.884 min
Delta R.T.: -0.002 min
Response: 126473518
Conc: 56.57 ng/ml



#18 Endrin aldehyde

R.T.: 6.178 min
Delta R.T.: -0.003 min
Response: 240118997
Conc: 53.90 ng/ml



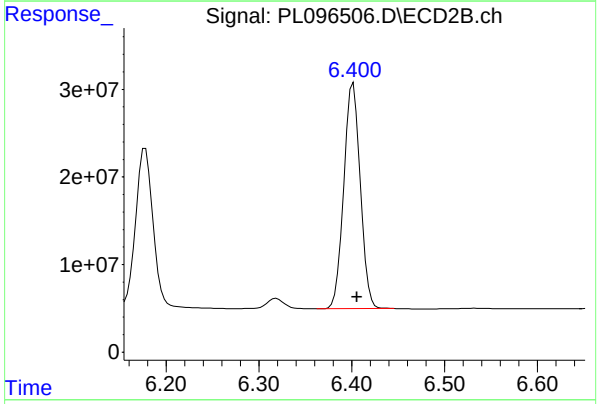
#19 Endosulfan Sulfate

R.T.: 7.117 min
Delta R.T.: -0.002 min
Response: 155746993
Conc: 50.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

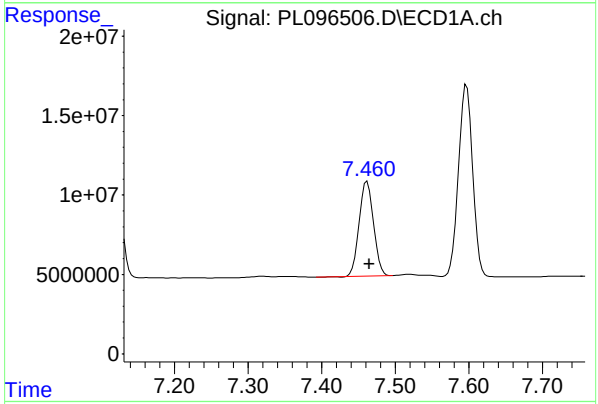
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



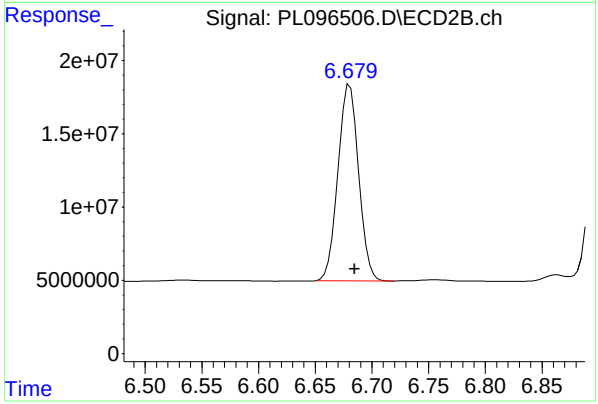
#19 Endosulfan Sulfate

R.T.: 6.402 min
Delta R.T.: -0.004 min
Response: 318131969
Conc: 56.56 ng/ml



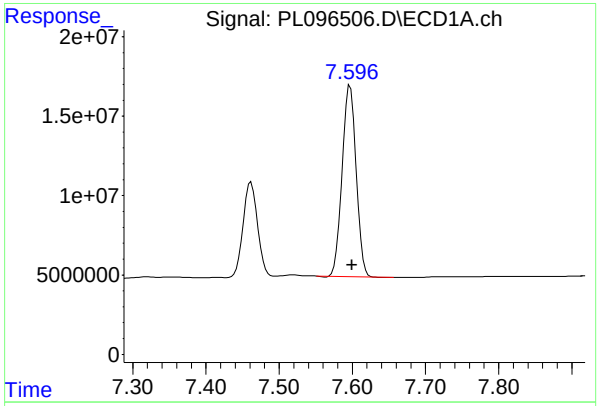
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: -0.003 min
Response: 80920625
Conc: 51.37 ng/ml



#20 Methoxychlor

R.T.: 6.680 min
Delta R.T.: -0.004 min
Response: 169502134
Conc: 55.80 ng/ml



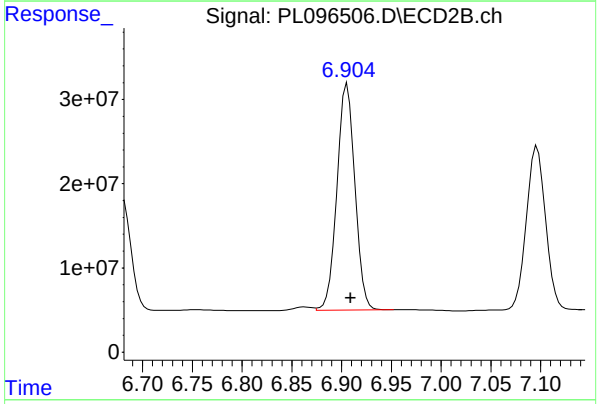
#21 Endrin ketone

R.T.: 7.597 min
Delta R.T.: -0.002 min
Response: 160444670
Conc: 48.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

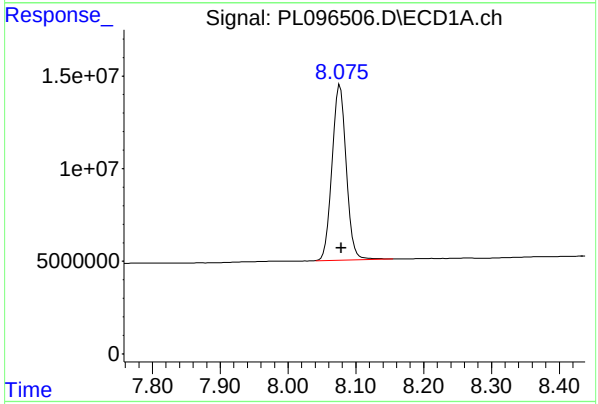
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



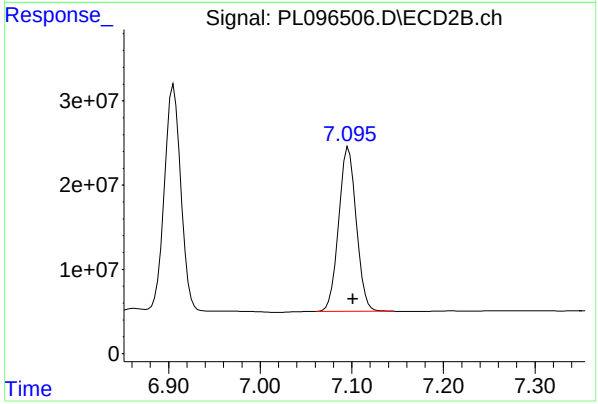
#21 Endrin ketone

R.T.: 6.906 min
Delta R.T.: -0.003 min
Response: 337824440
Conc: 54.03 ng/ml



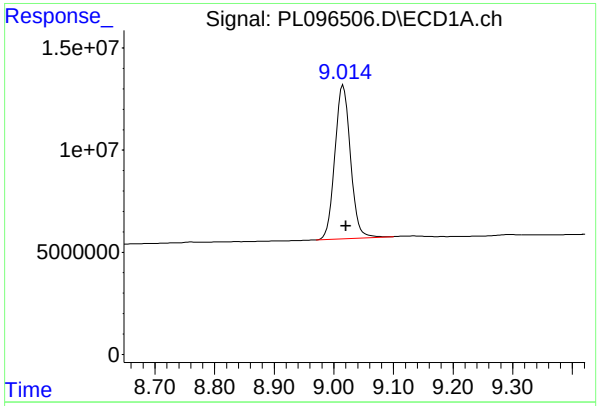
#22 Mirex

R.T.: 8.077 min
Delta R.T.: -0.002 min
Response: 138668598
Conc: 49.84 ng/ml



#22 Mirex

R.T.: 7.097 min
Delta R.T.: -0.005 min
Response: 261278594
Conc: 52.59 ng/ml



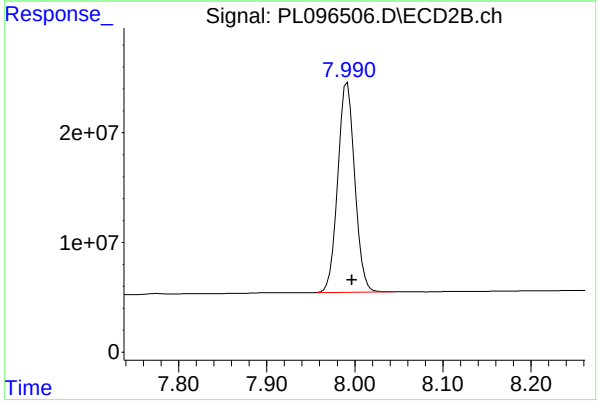
#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: -0.004 min
Response: 136841290
Conc: 48.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



#28 Decachlorobiphenyl

R.T.: 7.991 min
Delta R.T.: -0.005 min
Response: 256410003
Conc: 51.42 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Continuing Calib Date: 07/22/2025 **Initial Calibration Date(s):** 07/07/2025 07/07/2025

Continuing Calib Time: 13:48 **Initial Calibration Time(s):** 10:53 11:49

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.02	9.02	8.92	9.12	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.98	3.99	3.89	4.09	0.01
beta-BHC	4.50	4.50	4.40	4.60	0.00
delta-BHC	4.74	4.75	4.65	4.85	0.01
gamma-BHC (Lindane)	4.31	4.31	4.21	4.41	0.00
Heptachlor	4.90	4.91	4.81	5.01	0.01
Aldrin	5.24	5.25	5.15	5.35	0.01
Heptachlor epoxide	5.66	5.67	5.57	5.77	0.01
Endosulfan I	6.04	6.05	5.95	6.15	0.01
Dieldrin	6.32	6.32	6.22	6.42	0.00
4,4'-DDE	6.17	6.17	6.07	6.27	0.00
Endrin	6.54	6.55	6.45	6.65	0.01
Endosulfan II	6.75	6.76	6.66	6.86	0.01
4,4'-DDD	6.68	6.68	6.58	6.78	0.00
Endosulfan sulfate	7.12	7.12	7.02	7.22	0.00
4,4'-DDT	6.99	6.99	6.89	7.09	0.00
Methoxychlor	7.46	7.46	7.36	7.56	0.00
Endrin ketone	7.60	7.60	7.50	7.70	0.00
Endrin aldehyde	6.88	6.89	6.79	6.99	0.01
alpha-Chlordane	6.00	6.00	5.90	6.10	0.00
gamma-Chlordane	5.92	5.92	5.82	6.02	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Continuing Calib Date: 07/22/2025 **Initial Calibration Date(s):** 07/07/2025 07/07/2025

Continuing Calib Time: 13:48 **Initial Calibration Time(s):** 10:53 11:49

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.99	8.00	7.90	8.10	0.01
Tetrachloro-m-xylene	2.83	2.83	2.73	2.93	0.00
alpha-BHC	3.33	3.34	3.24	3.44	0.01
beta-BHC	3.96	3.96	3.86	4.06	0.00
delta-BHC	4.19	4.20	4.10	4.30	0.01
gamma-BHC (Lindane)	3.67	3.67	3.57	3.77	0.01
Heptachlor	4.01	4.02	3.92	4.12	0.01
Aldrin	4.30	4.30	4.20	4.40	0.00
Heptachlor epoxide	4.80	4.80	4.70	4.90	0.00
Endosulfan I	5.17	5.17	5.07	5.27	0.00
Dieldrin	5.43	5.44	5.34	5.54	0.01
4,4'-DDE	5.30	5.31	5.21	5.41	0.01
Endrin	5.71	5.71	5.61	5.81	0.00
Endosulfan II	6.00	6.00	5.90	6.10	0.00
4,4'-DDD	5.86	5.86	5.76	5.96	0.00
Endosulfan sulfate	6.40	6.41	6.31	6.51	0.01
4,4'-DDT	6.11	6.11	6.01	6.21	0.00
Methoxychlor	6.68	6.68	6.58	6.78	0.00
Endrin ketone	6.91	6.91	6.81	7.01	0.00
Endrin aldehyde	6.18	6.18	6.08	6.28	0.00
alpha-Chlordane	5.12	5.12	5.02	5.22	0.01
gamma-Chlordane	5.05	5.05	4.95	5.15	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

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

Client Sample No.: CCAL05 **Date Analyzed:** 07/22/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL096512.D **Time Analyzed:** 13:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.675	6.578	6.778	53.370	50.000	6.7
4,4'-DDE	6.166	6.069	6.269	52.170	50.000	4.3
4,4'-DDT	6.989	6.892	7.092	54.350	50.000	8.7
Aldrin	5.243	5.146	5.346	52.680	50.000	5.4
alpha-BHC	3.983	3.885	4.085	55.080	50.000	10.2
alpha-Chlordane	5.997	5.900	6.100	52.000	50.000	4.0
beta-BHC	4.497	4.399	4.599	55.330	50.000	10.7
Decachlorobiphenyl	9.015	8.920	9.120	48.770	50.000	-2.5
delta-BHC	4.743	4.646	4.846	55.300	50.000	10.6
Dieldrin	6.316	6.219	6.419	51.880	50.000	3.8
Endosulfan I	6.044	5.947	6.147	51.810	50.000	3.6
Endosulfan II	6.753	6.658	6.858	56.190	50.000	12.4
Endosulfan sulfate	7.117	7.019	7.219	51.070	50.000	2.1
Endrin	6.542	6.445	6.645	56.400	50.000	12.8
Endrin aldehyde	6.883	6.786	6.986	58.020	50.000	16.0
Endrin ketone	7.596	7.500	7.700	49.120	50.000	-1.8
gamma-BHC (Lindane)	4.311	4.213	4.413	54.520	50.000	9.0
gamma-Chlordane	5.916	5.819	6.019	52.080	50.000	4.2
Heptachlor	4.903	4.806	5.006	54.670	50.000	9.3
Heptachlor epoxide	5.662	5.565	5.765	55.350	50.000	10.7
Methoxychlor	7.462	7.364	7.564	53.910	50.000	7.8
Tetrachloro-m-xylene	3.536	3.438	3.638	53.200	50.000	6.4

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

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

Client Sample No.: CCAL05 **Date Analyzed:** 07/22/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL096512.D **Time Analyzed:** 13:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.856	5.759	5.959	59.470	50.000	18.9
4,4'-DDE	5.304	5.207	5.407	56.890	50.000	13.8
4,4'-DDT	6.108	6.012	6.212	55.270	50.000	10.5
Aldrin	4.297	4.200	4.400	58.400	50.000	16.8
alpha-BHC	3.333	3.235	3.435	59.300	50.000	18.6
alpha-Chlordane	5.115	5.018	5.218	51.830	50.000	3.7
beta-BHC	3.961	3.863	4.063	56.880	50.000	13.8
Decachlorobiphenyl	7.991	7.896	8.096	50.190	50.000	0.4
delta-BHC	4.194	4.097	4.297	58.830	50.000	17.7
Dieldrin	5.434	5.338	5.538	56.790	50.000	13.6
Endosulfan I	5.170	5.073	5.273	49.090	50.000	-1.8
Endosulfan II	6.000	5.904	6.104	56.180	50.000	12.4
Endosulfan sulfate	6.402	6.306	6.506	56.600	50.000	13.2
Endrin	5.708	5.612	5.812	58.740	50.000	17.5
Endrin aldehyde	6.178	6.082	6.282	54.660	50.000	9.3
Endrin ketone	6.906	6.810	7.010	53.540	50.000	7.1
gamma-BHC (Lindane)	3.665	3.567	3.767	58.750	50.000	17.5
gamma-Chlordane	5.051	4.954	5.154	57.020	50.000	14.0
Heptachlor	4.014	3.917	4.117	58.900	50.000	17.8
Heptachlor epoxide	4.799	4.702	4.902	56.840	50.000	13.7
Methoxychlor	6.680	6.584	6.784	54.820	50.000	9.6
Tetrachloro-m-xylene	2.828	2.729	2.929	57.050	50.000	14.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096512.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 13:48
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:47:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.828	194.1E6	329.3E6	53.197	57.051
28)	SA Decachlor...	9.015	7.991	137.2E6	250.3E6	48.772	50.192
	Target Compounds						
2)	A alpha-BHC	3.983	3.333	283.3E6	500.1E6	55.075	59.297
3)	MA gamma-BHC...	4.311	3.665	271.5E6	462.7E6	54.520	58.748
4)	MA Heptachlor	4.903	4.014	250.5E6	448.1E6	54.673	58.899
5)	MB Aldrin	5.243	4.297	254.6E6	426.1E6	52.681	58.404
6)	B beta-BHC	4.497	3.961	115.0E6	194.8E6	55.332	56.884
7)	B delta-BHC	4.743	4.194	247.8E6	453.1E6	55.303	58.829
8)	B Heptachlo...	5.662	4.799	229.7E6	380.0E6	55.351	56.843
9)	A Endosulfan I	6.044	5.170	209.2E6	352.2E6	51.813	49.091
10)	B gamma-Chl...	5.916	5.051	230.4E6	400.3E6	52.076	57.020
11)	B alpha-Chl...	5.997	5.115	227.7E6	389.7E6	51.999	51.826
12)	B 4,4'-DDE	6.166	5.304	193.4E6	367.7E6	52.169	56.890
13)	MA Dieldrin	6.316	5.434	219.4E6	387.2E6	51.882	56.785
14)	MA Endrin	6.542	5.708	175.4E6	358.1E6	56.403	58.745
15)	B Endosulfa...	6.753	6.000	195.0E6	329.4E6	56.188m	56.181
16)	A 4,4'-DDD	6.675	5.856	155.4E6	305.0E6	53.368	59.470
17)	MA 4,4'-DDT	6.989	6.108	165.0E6	317.0E6	54.349	55.274
18)	B Endrin al...	6.883	6.178	129.7E6	243.5E6	58.022	54.658
19)	B Endosulfa...	7.117	6.402	156.2E6	318.3E6	51.072	56.596
20)	A Methoxychlor	7.462	6.680	84923041	166.5E6	53.906	54.815
21)	B Endrin ke...	7.596	6.906	162.2E6	334.8E6	49.116	53.543
22)	Mirex	8.076	7.097	137.9E6	258.9E6	49.555	52.110

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

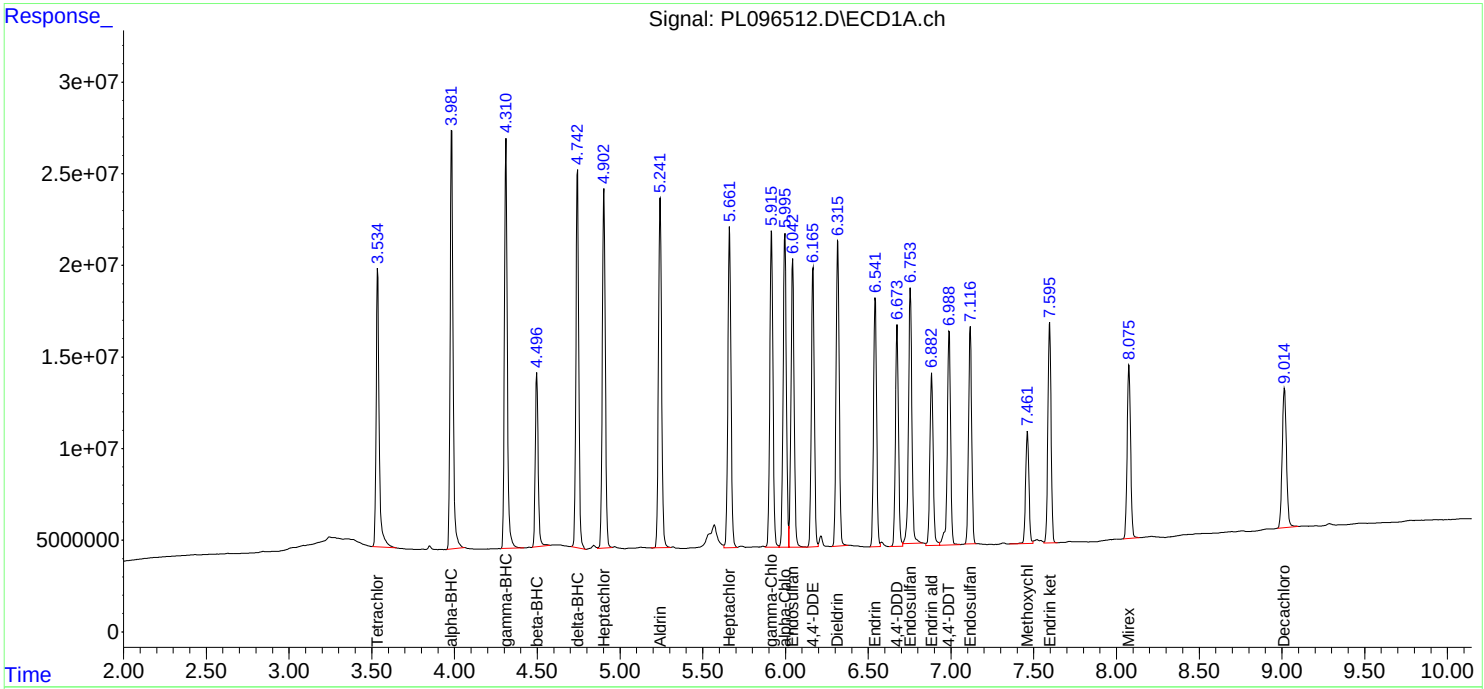
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096512.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 13:48
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

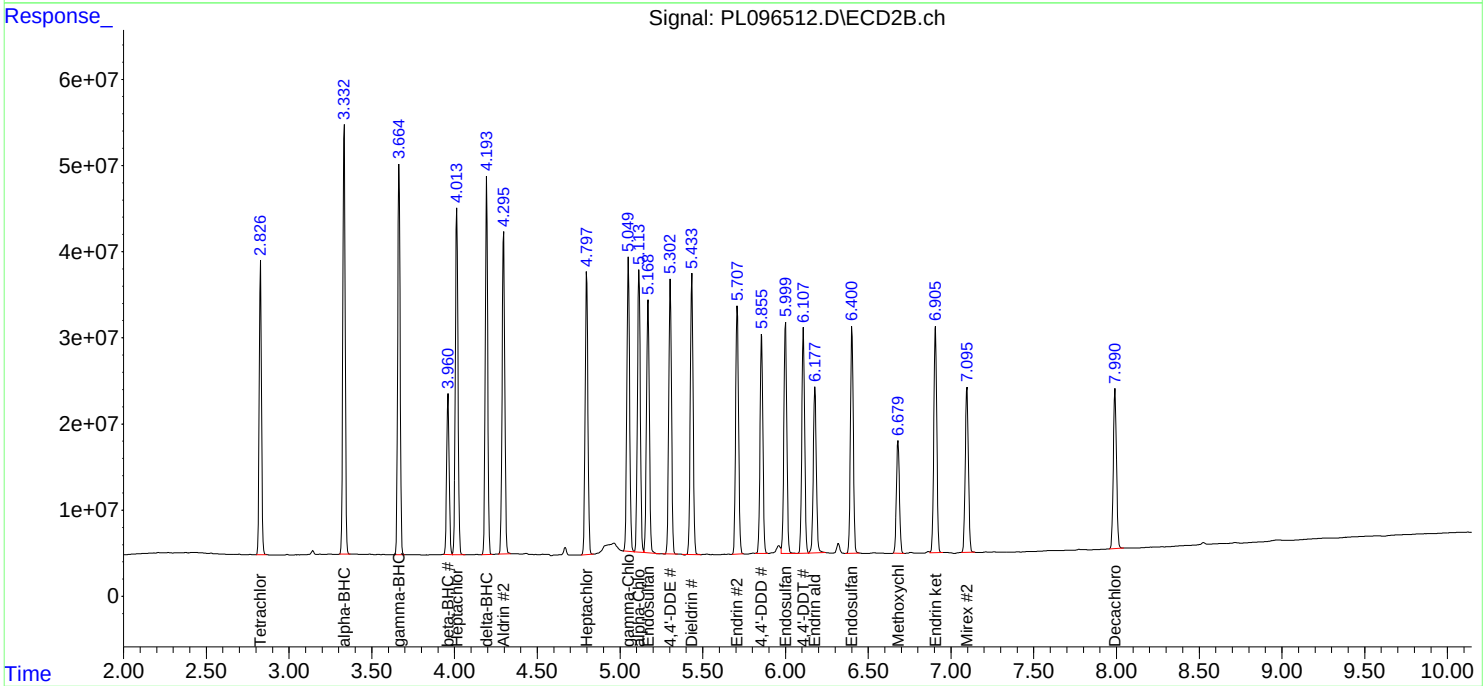
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

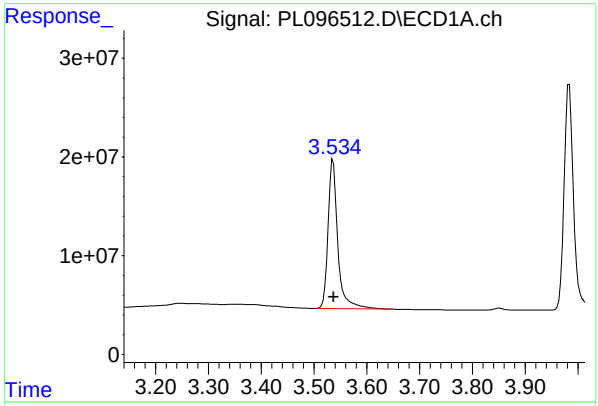
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:47:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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







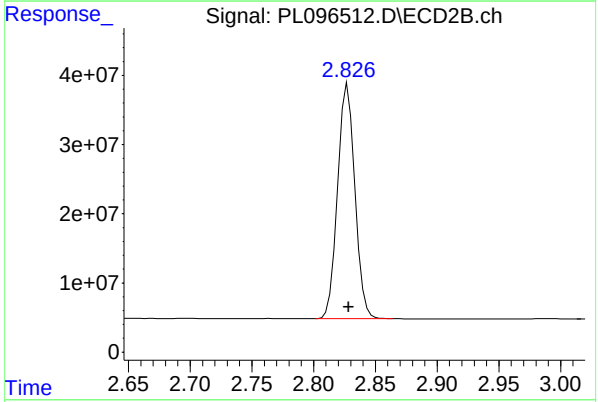
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.001 min
Response: 194112877
Conc: 53.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

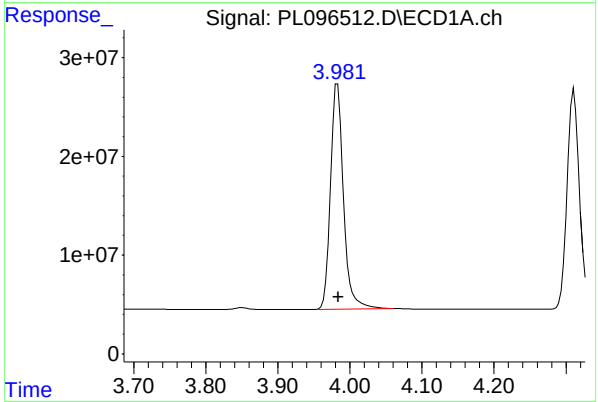
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



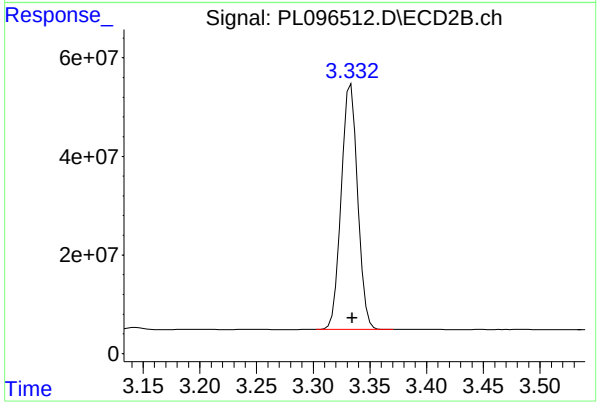
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 329255104
Conc: 57.05 ng/ml



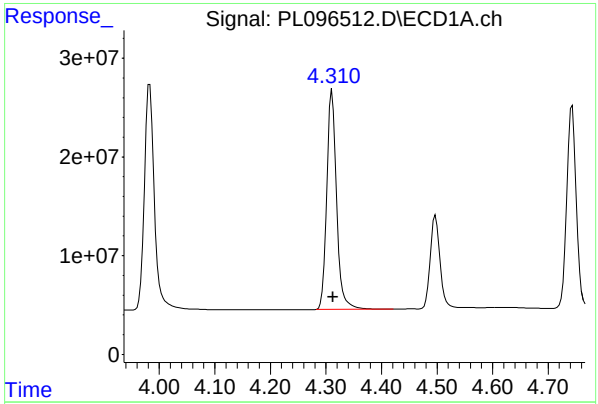
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: -0.001 min
Response: 283260867
Conc: 55.08 ng/ml



#2 alpha-BHC

R.T.: 3.333 min
Delta R.T.: -0.001 min
Response: 500128867
Conc: 59.30 ng/ml



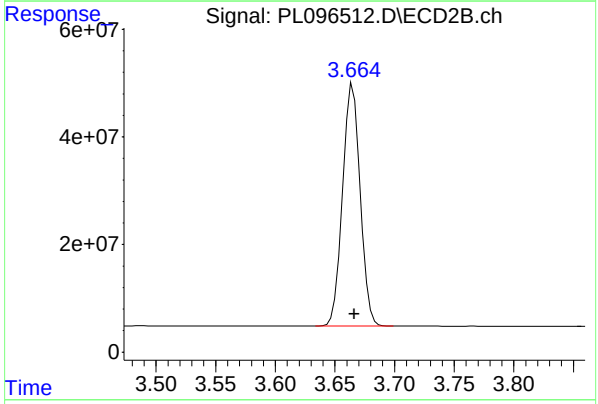
#3 gamma-BHC (Lindane)

R.T.: 4.311 min
Delta R.T.: -0.002 min
Response: 271491253
Conc: 54.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

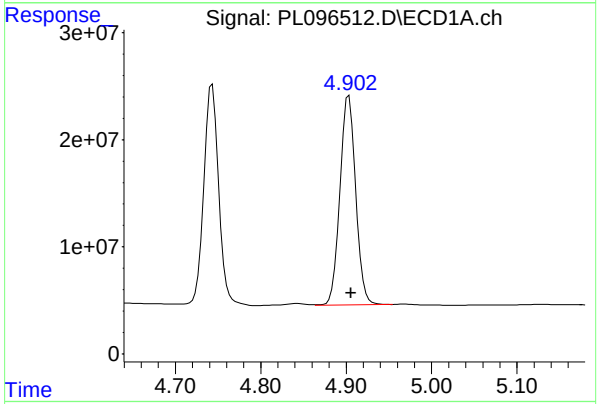
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Supervised By :mohammad ahmed 07/24/2025



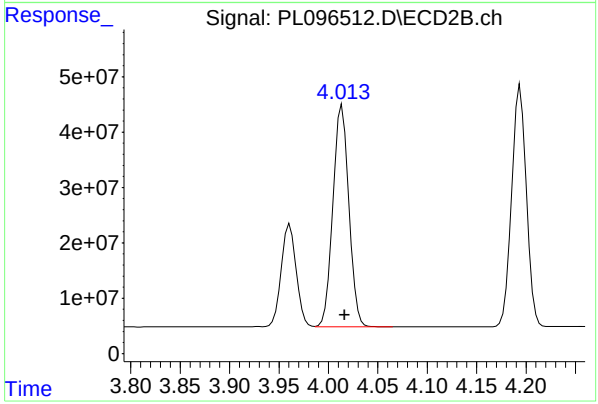
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: -0.002 min
Response: 462688286
Conc: 58.75 ng/ml



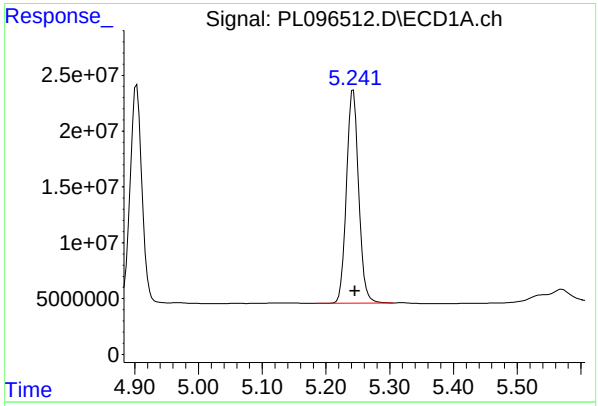
#4 Heptachlor

R.T.: 4.903 min
Delta R.T.: -0.002 min
Response: 250469188
Conc: 54.67 ng/ml



#4 Heptachlor

R.T.: 4.014 min
Delta R.T.: -0.002 min
Response: 448091560
Conc: 58.90 ng/ml



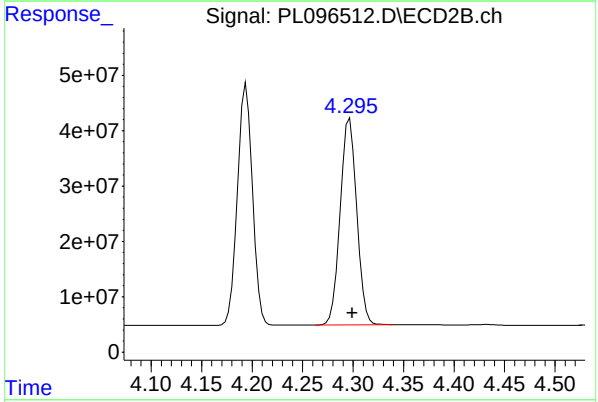
#5 Aldrin

R.T.: 5.243 min
Delta R.T.: -0.003 min
Response: 254643597
Conc: 52.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

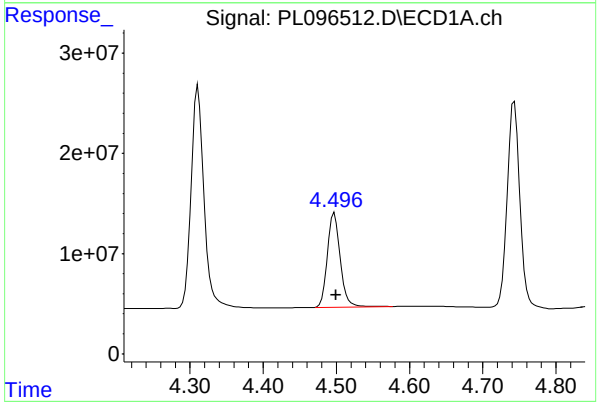
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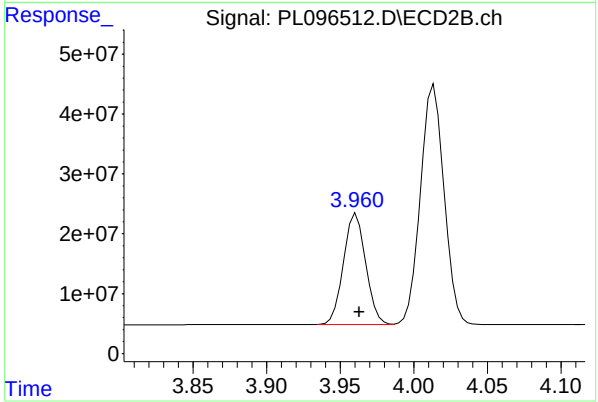
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: -0.003 min
Response: 426091357
Conc: 58.40 ng/ml



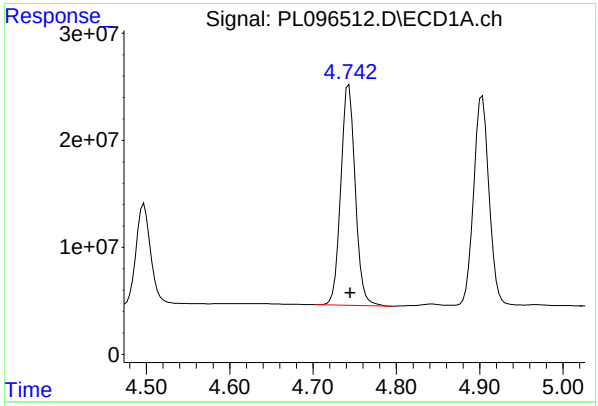
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: -0.002 min
Response: 115023324
Conc: 55.33 ng/ml



#6 beta-BHC

R.T.: 3.961 min
Delta R.T.: -0.002 min
Response: 194765437
Conc: 56.88 ng/ml



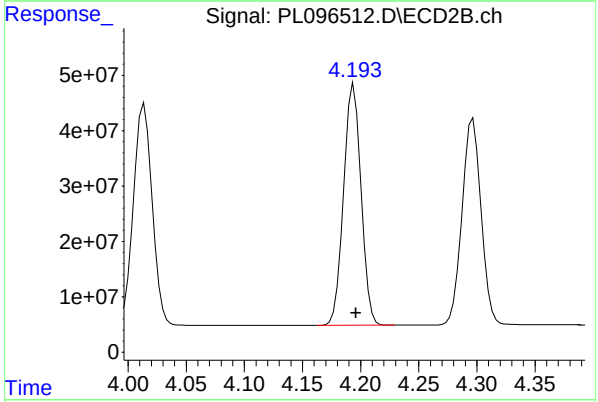
#7 delta-BHC

R.T.: 4.743 min
Delta R.T.: -0.002 min
Response: 247831702
Conc: 55.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

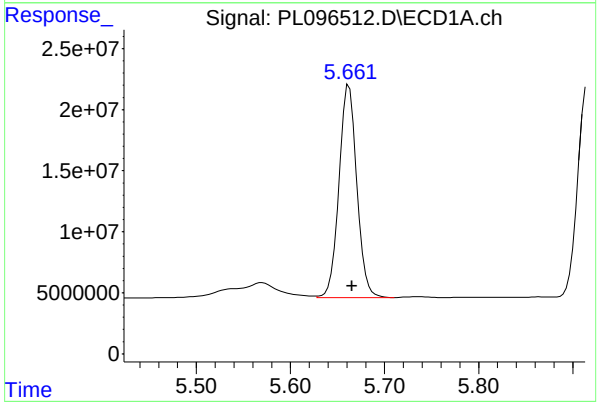
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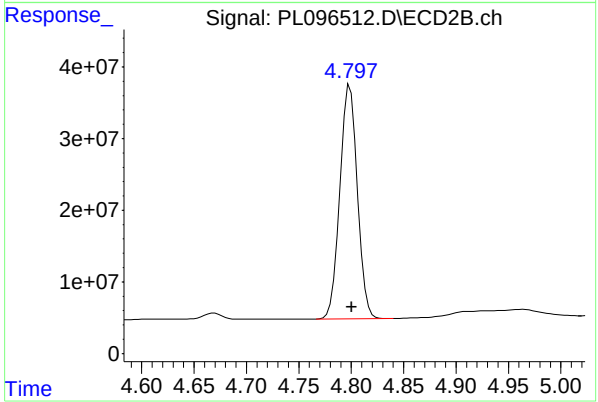
#7 delta-BHC

R.T.: 4.194 min
Delta R.T.: -0.002 min
Response: 453095585
Conc: 58.83 ng/ml



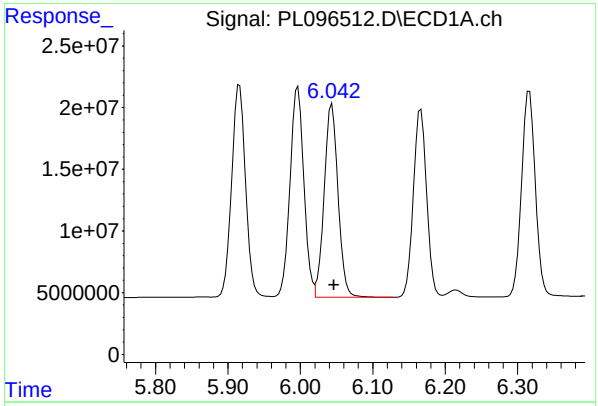
#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: -0.003 min
Response: 229661422
Conc: 55.35 ng/ml



#8 Heptachlor epoxide

R.T.: 4.799 min
Delta R.T.: -0.002 min
Response: 379988717
Conc: 56.84 ng/ml



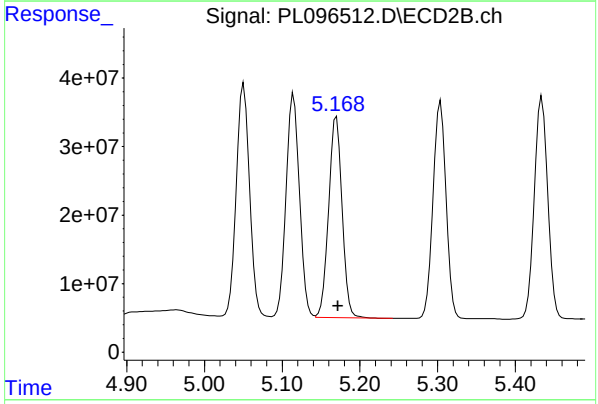
#9 Endosulfan I

R.T.: 6.044 min
Delta R.T.: -0.003 min
Response: 209183439
Conc: 51.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

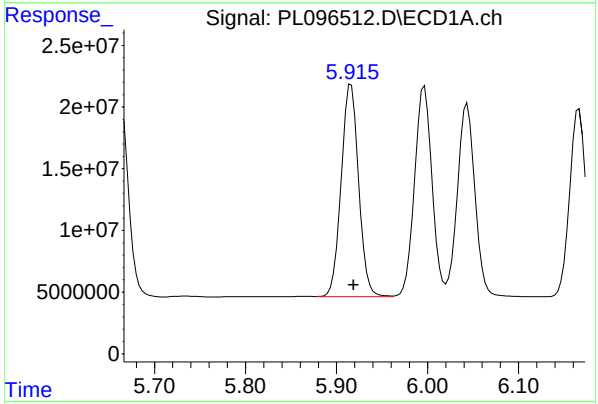
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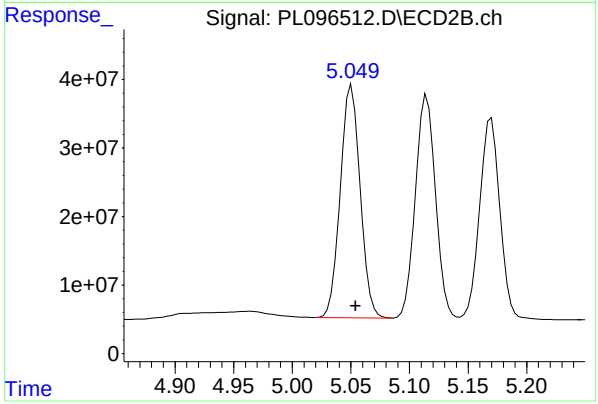
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: -0.002 min
Response: 352182443
Conc: 49.09 ng/ml



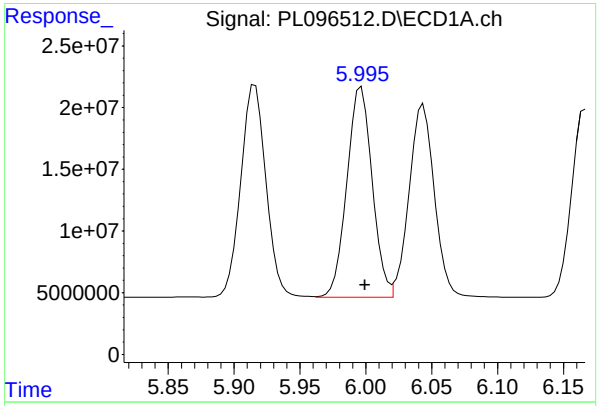
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: -0.003 min
Response: 230423830
Conc: 52.08 ng/ml



#10 gamma-Chlordane

R.T.: 5.051 min
Delta R.T.: -0.004 min
Response: 400261588
Conc: 57.02 ng/ml



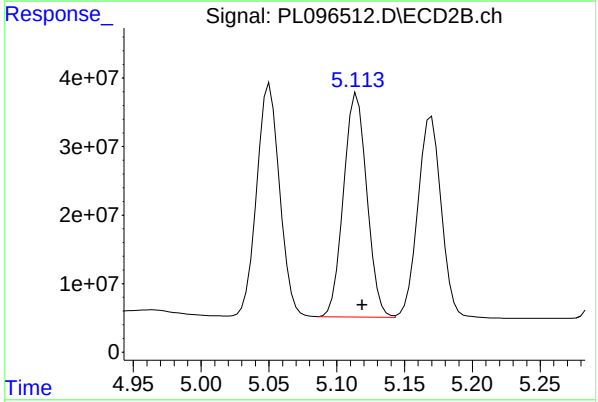
#11 alpha-Chlordane

R.T.: 5.997 min
Delta R.T.: -0.003 min
Response: 227694468
Conc: 52.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

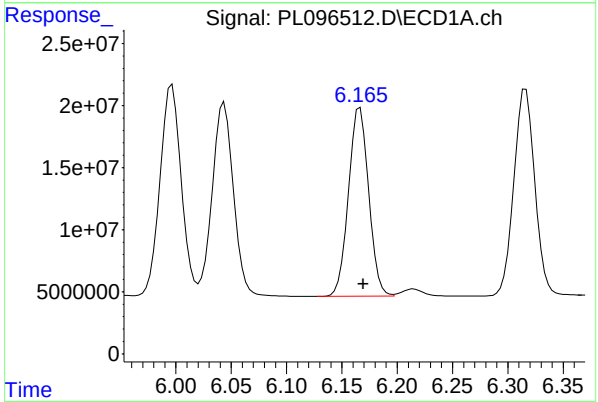
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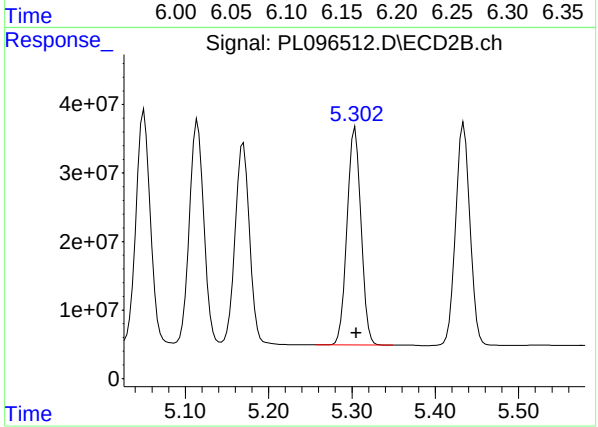
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.004 min
Response: 389743965
Conc: 51.83 ng/ml



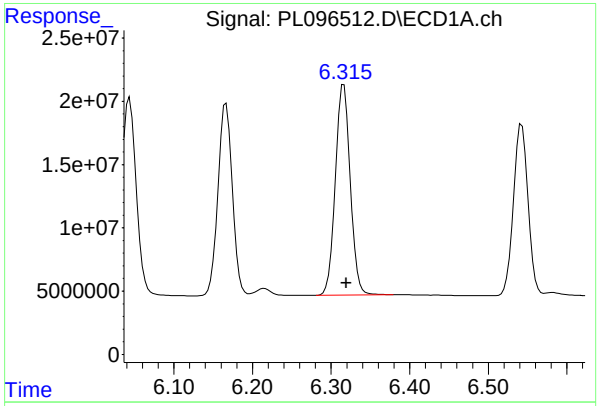
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: -0.003 min
Response: 193416785
Conc: 52.17 ng/ml



#12 4,4'-DDE

R.T.: 5.304 min
Delta R.T.: -0.002 min
Response: 367716147
Conc: 56.89 ng/ml



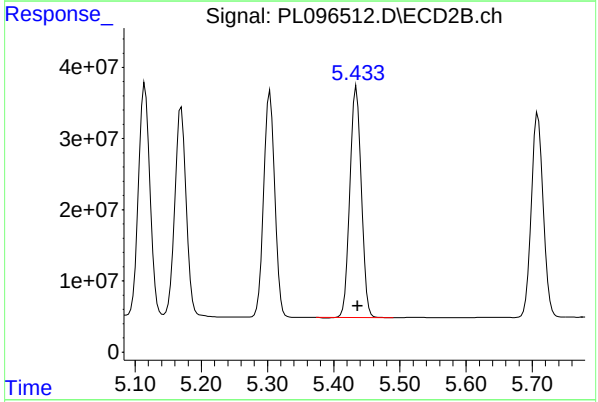
#13 Dieldrin

R.T.: 6.316 min
Delta R.T.: -0.003 min
Response: 219376339
Conc: 51.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

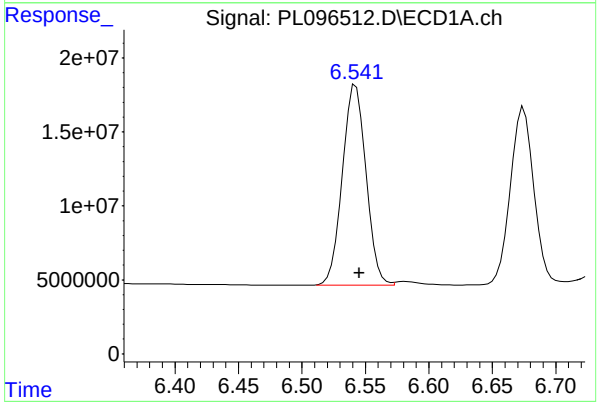
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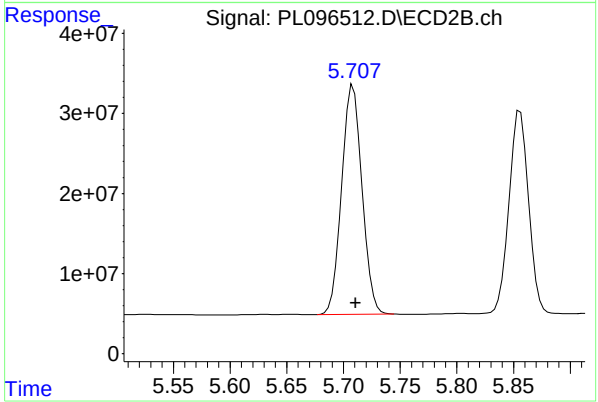
#13 Dieldrin

R.T.: 5.434 min
Delta R.T.: -0.002 min
Response: 387231495
Conc: 56.79 ng/ml



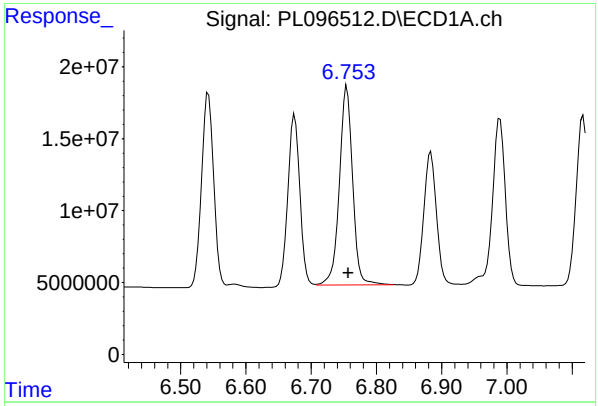
#14 Endrin

R.T.: 6.542 min
Delta R.T.: -0.003 min
Response: 175423891
Conc: 56.40 ng/ml



#14 Endrin

R.T.: 5.708 min
Delta R.T.: -0.002 min
Response: 358138126
Conc: 58.74 ng/ml



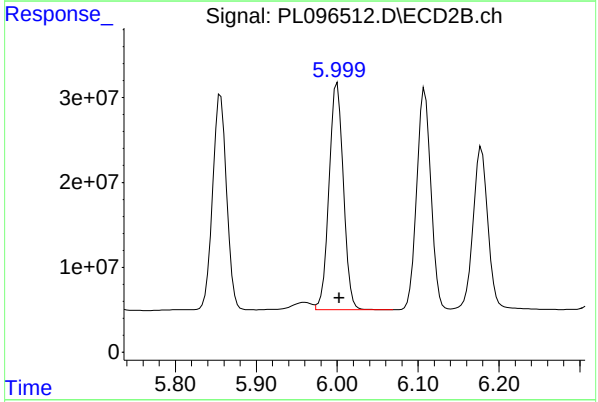
#15 Endosulfan II

R.T.: 6.753 min
Delta R.T.: -0.004 min
Response: 194975452
Conc: 56.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

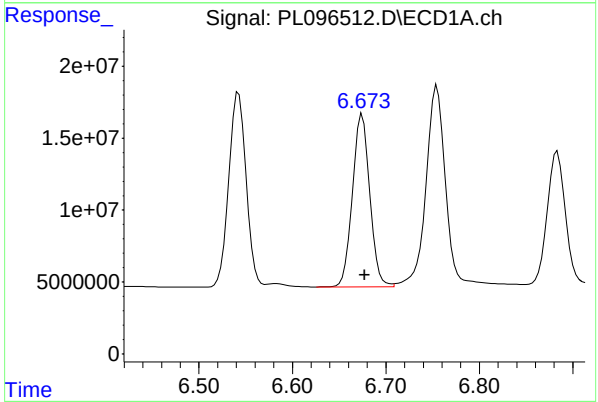
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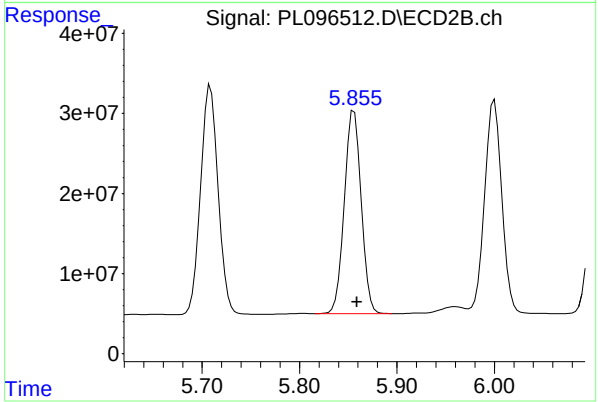
#15 Endosulfan II

R.T.: 6.000 min
Delta R.T.: -0.003 min
Response: 329441727
Conc: 56.18 ng/ml



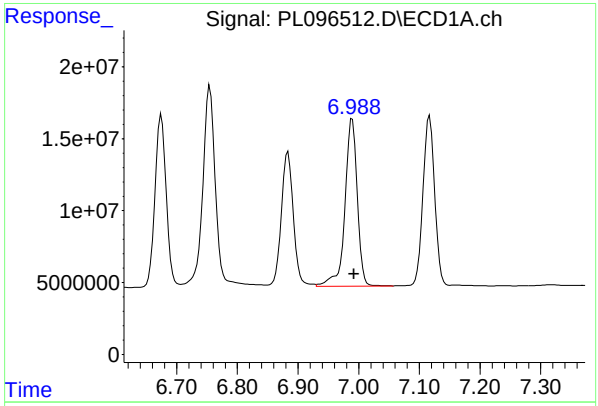
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: -0.002 min
Response: 155389911
Conc: 53.37 ng/ml



#16 4,4'-DDD

R.T.: 5.856 min
Delta R.T.: -0.003 min
Response: 305002185
Conc: 59.47 ng/ml



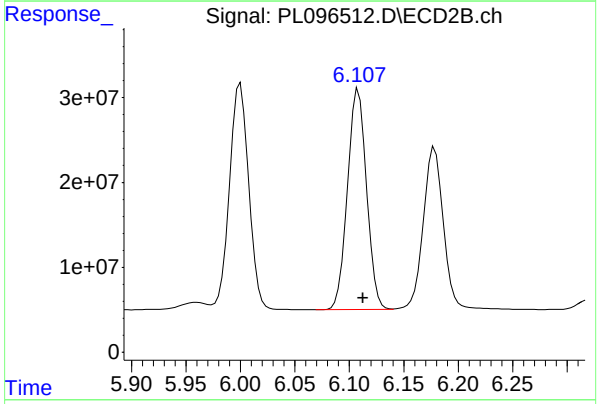
#17 4,4'-DDT

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 164959284
Conc: 54.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

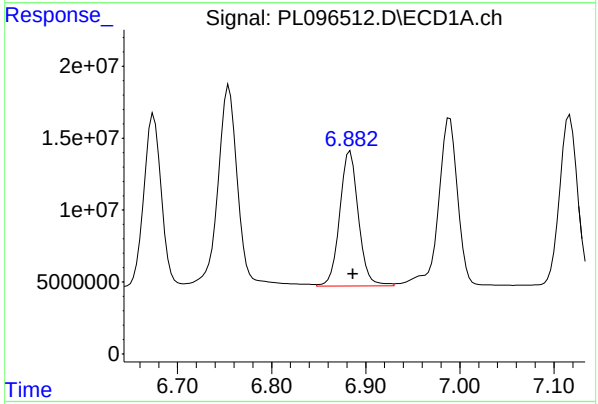
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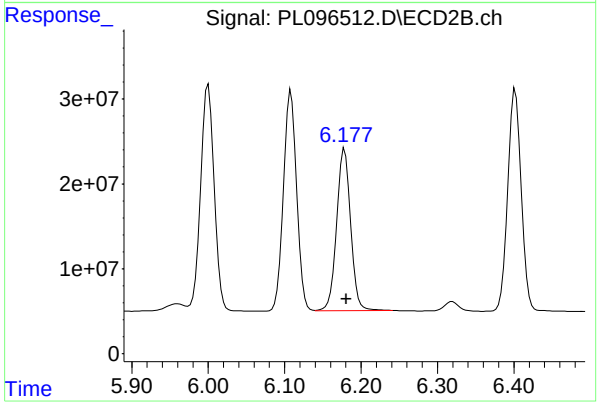
#17 4,4'-DDT

R.T.: 6.108 min
Delta R.T.: -0.004 min
Response: 317002618
Conc: 55.27 ng/ml



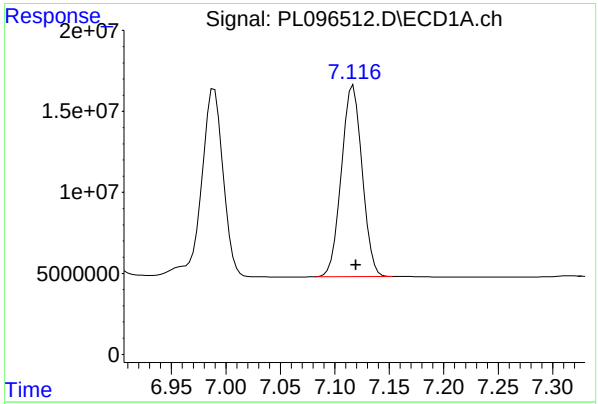
#18 Endrin aldehyde

R.T.: 6.883 min
Delta R.T.: -0.003 min
Response: 129710638
Conc: 58.02 ng/ml



#18 Endrin aldehyde

R.T.: 6.178 min
Delta R.T.: -0.003 min
Response: 243478645
Conc: 54.66 ng/ml



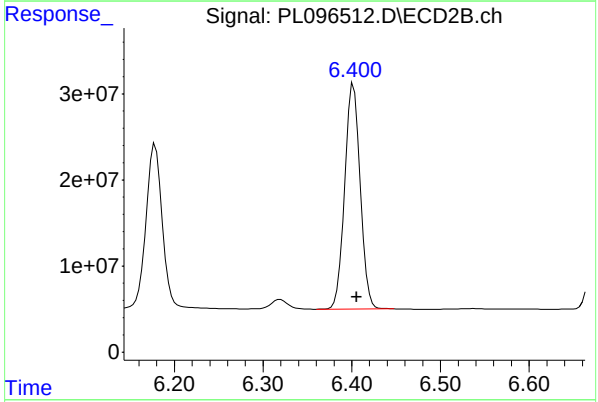
#19 Endosulfan Sulfate

R.T.: 7.117 min
Delta R.T.: -0.003 min
Response: 156222567
Conc: 51.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

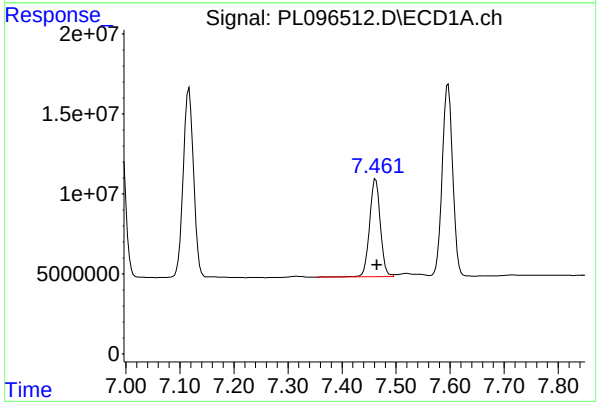
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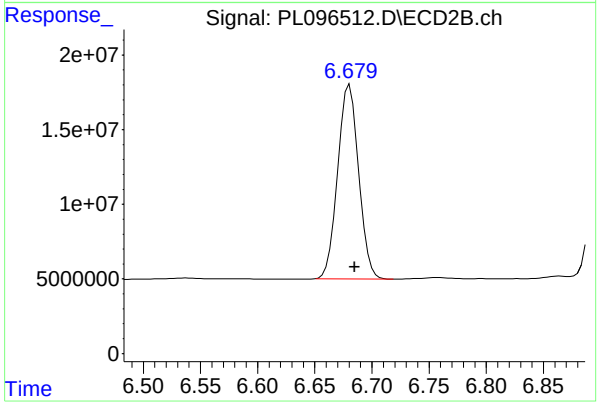
#19 Endosulfan Sulfate

R.T.: 6.402 min
Delta R.T.: -0.004 min
Response: 318319083
Conc: 56.60 ng/ml



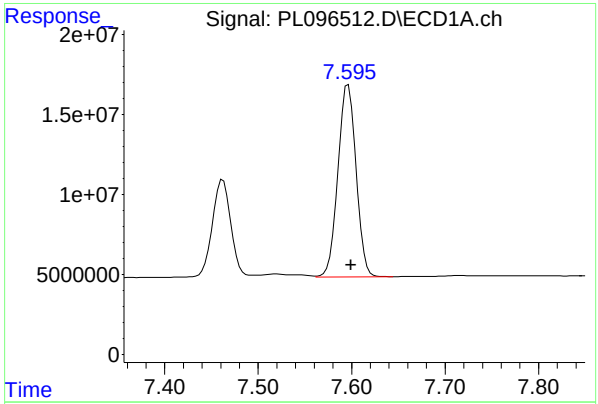
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: -0.002 min
Response: 84923041
Conc: 53.91 ng/ml



#20 Methoxychlor

R.T.: 6.680 min
Delta R.T.: -0.004 min
Response: 166516981
Conc: 54.82 ng/ml



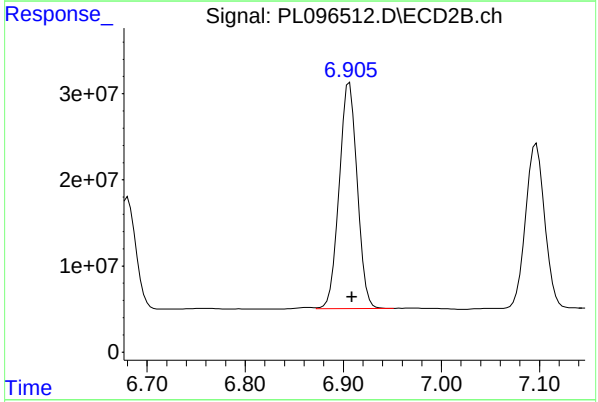
#21 Endrin ketone

R.T.: 7.596 min
Delta R.T.: -0.003 min
Response: 162163980
Conc: 49.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

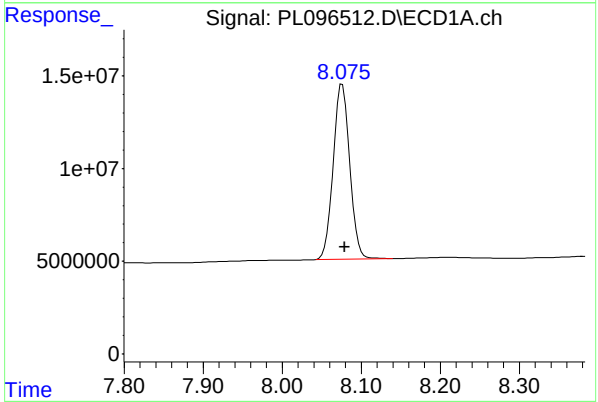
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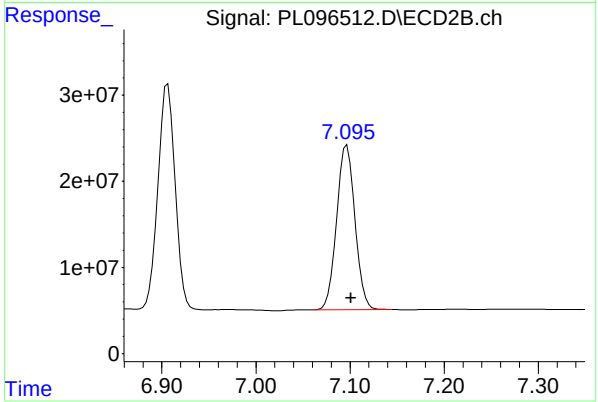
#21 Endrin ketone

R.T.: 6.906 min
Delta R.T.: -0.003 min
Response: 334764592
Conc: 53.54 ng/ml



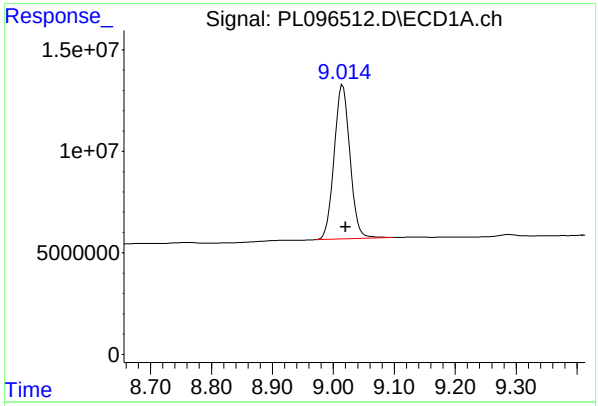
#22 Mirex

R.T.: 8.076 min
Delta R.T.: -0.003 min
Response: 137872282
Conc: 49.55 ng/ml



#22 Mirex

R.T.: 7.097 min
Delta R.T.: -0.004 min
Response: 258889716
Conc: 52.11 ng/ml



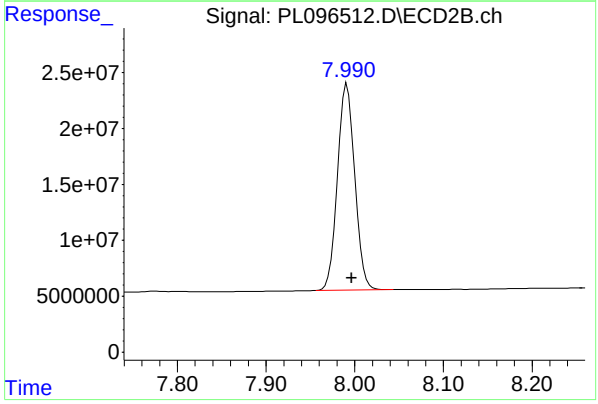
#28 Decachlorobiphenyl

R.T.: 9.015 min
Delta R.T.: -0.005 min
Response: 137200022
Conc: 48.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



#28 Decachlorobiphenyl

R.T.: 7.991 min
Delta R.T.: -0.005 min
Response: 250280548
Conc: 50.19 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

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

Client Sample No. (PEM): PEM - PL096238.D **Date Analyzed:** 07/07/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:26

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.020	8.920	9.120	21.820	20.000	9.1
Tetrachloro-m-xylene	3.537	3.490	3.590	20.640	20.000	3.2
alpha-BHC	3.985	3.930	4.040	10.150	10.000	1.5
beta-BHC	4.500	4.450	4.550	10.650	10.000	6.5
gamma-BHC (Lindane)	4.313	4.260	4.360	10.640	10.000	6.4
Endrin	6.546	6.480	6.620	55.200	50.000	10.4
4,4'-DDT	6.992	6.920	7.060	106.050	100.000	6.1
Methoxychlor	7.465	7.390	7.540	251.880	250.000	0.8

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

Client Sample No. (PEM): PEM - PL096238.D **Date Analyzed:** 07/07/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:26

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.996	7.900	8.100	21.970	20.000	9.9
Tetrachloro-m-xylene	2.829	2.780	2.880	21.010	20.000	5.1
alpha-BHC	3.335	3.280	3.390	10.410	10.000	4.1
beta-BHC	3.963	3.910	4.010	10.960	10.000	9.6
gamma-BHC (Lindane)	3.667	3.620	3.720	10.560	10.000	5.6
Endrin	5.713	5.640	5.780	55.380	50.000	10.8
4,4'-DDT	6.113	6.040	6.180	113.720	100.000	13.7
Methoxychlor	6.685	6.610	6.760	248.840	250.000	-0.5

PEM

Data File: PL096238.D **Date Acquired** 7/7/2025 10:26

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
					Down
Endrin	6.55	171686206.6	184393664.9	12707458.3	**6.89**
Endrin aldehyde	6.89	3352023.736			
Endrin ketone	7.60	9355434.607			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.71	337605120.7	345602858.2	7997737.54	**2.31**
Endrin aldehyde #2	6.18	4525238.004			
Endrin ketone #2	6.91	3472499.537			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	6.99	321893056.5	329724639.4	7831582.88	**2.38**
4,4'-DDE	0.00	0			
4,4'-DDD	6.68	7831582.884			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.11	652208058	654720571.4	2512513.38	**0.38**
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.86	2512513.383			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096238.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:26
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:27:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.829	75321177	121.3E6	20.642	21.009
28)	SA Decachlor...	9.020	7.996	61373713	109.6E6	21.817	21.972
	Target Compounds						
2)	A alpha-BHC	3.985	3.335	52179910	87832663	10.146	10.414
3)	MA gamma-BHC...	4.313	3.667	52975484	83194325	10.638	10.563
6)	B beta-BHC	4.500	3.963	22129275	37541154	10.645	10.964
14)	MA Endrin	6.546	5.713	171.7E6	337.6E6	55.201	55.377
16)	A 4,4'-DDD	6.678	5.861	7831583	2512513	2.690m	0.490m#
17)	MA 4,4'-DDT	6.992	6.113	321.9E6	652.2E6	106.053	113.722
18)	B Endrin al...	6.888	6.184	3352024	4525238	1.499m	1.016m#
20)	A Methoxychlor	7.465	6.685	396.8E6	755.9E6	251.881	248.841
21)	B Endrin ke...	7.600	6.908	9355435	3472500	2.834	0.555m#

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

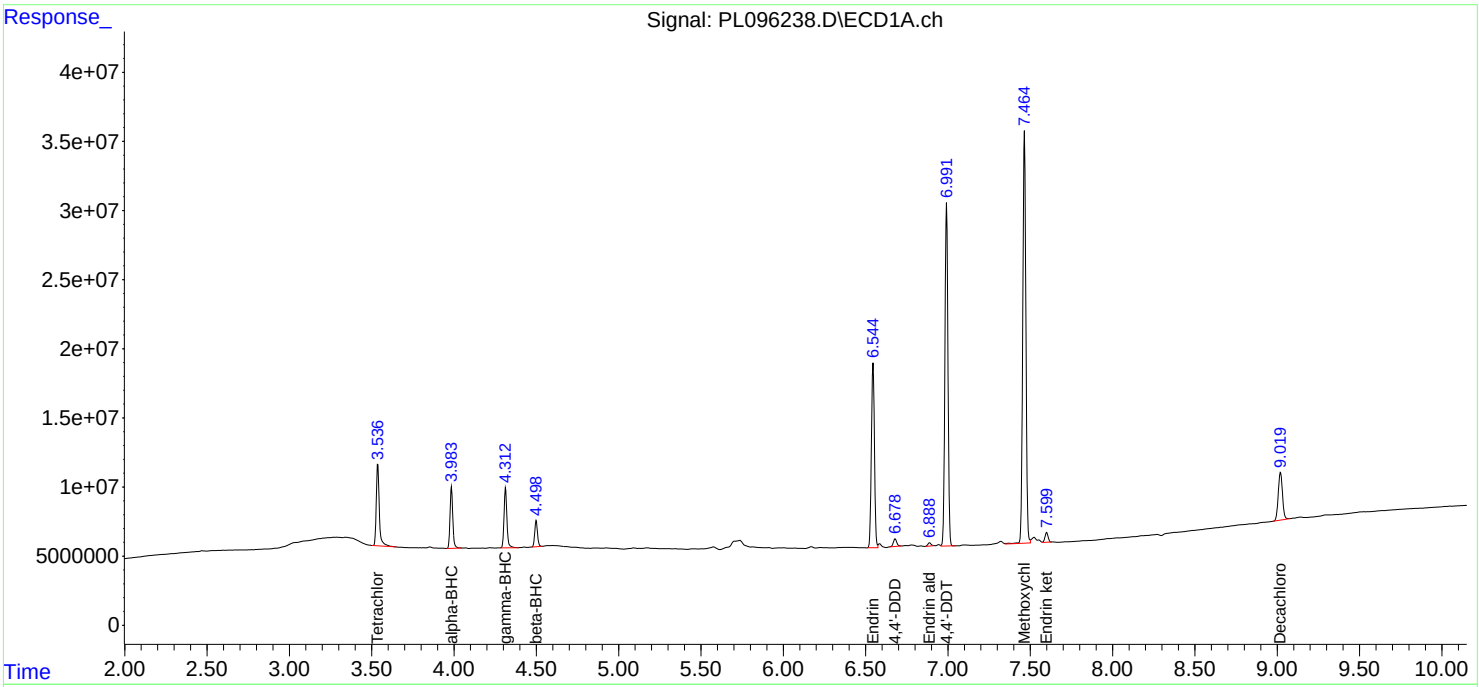
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096238.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:26
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

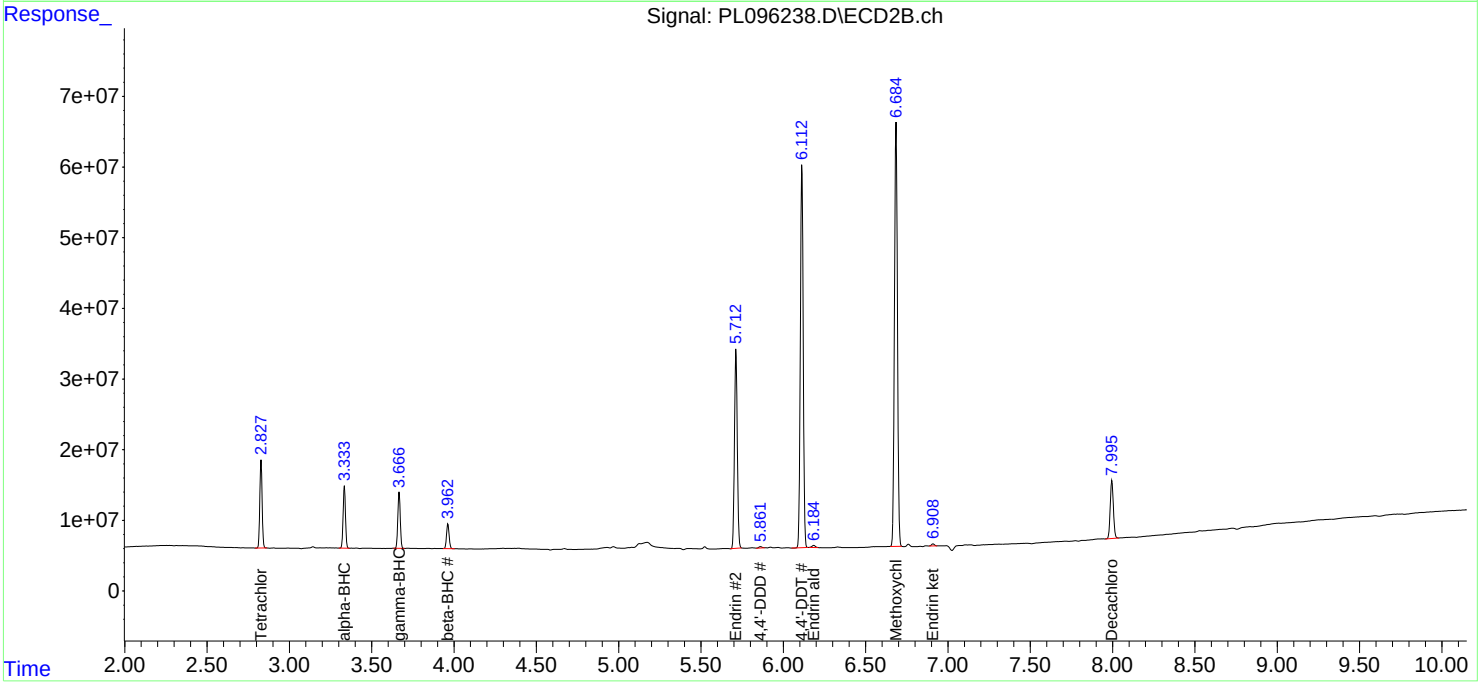
Instrument :
ECD_L
ClientSampleId :
PEM

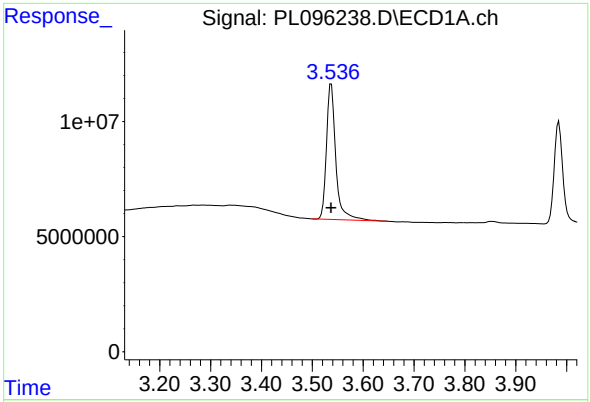
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:27:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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







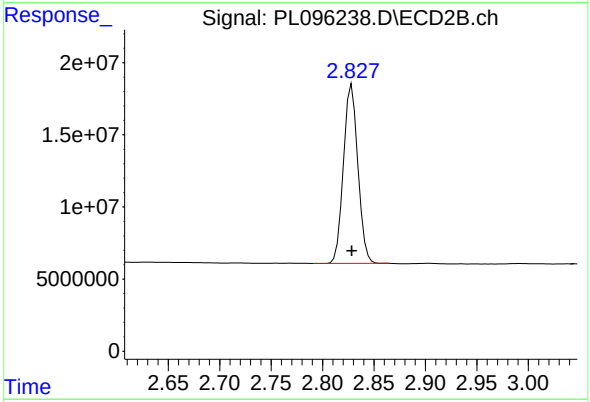
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 75321177
Conc: 20.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

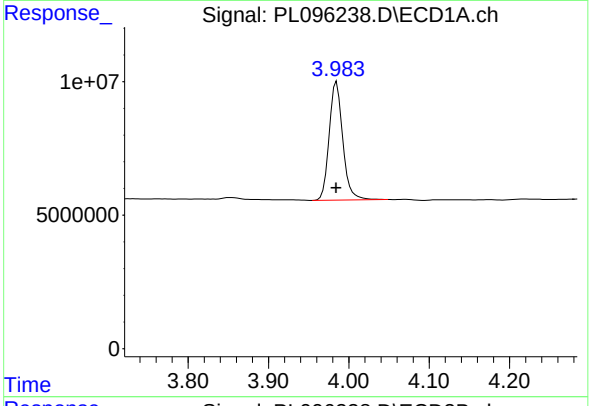
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



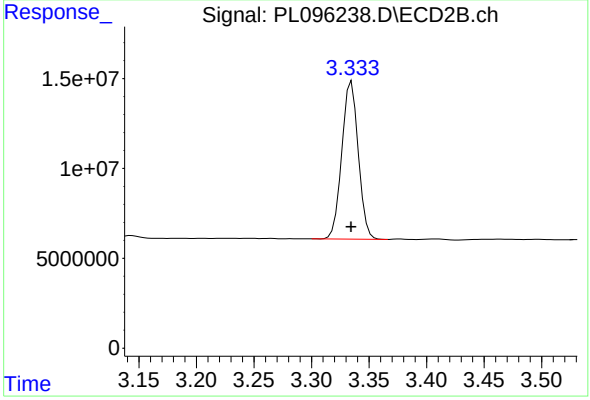
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 121250157
Conc: 21.01 ng/ml



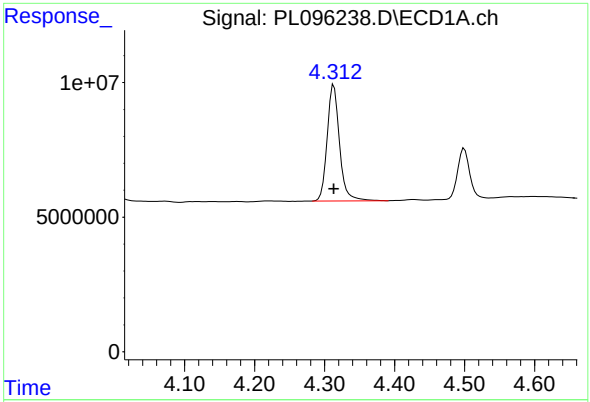
#2 alpha-BHC

R.T.: 3.985 min
Delta R.T.: 0.000 min
Response: 52179910
Conc: 10.15 ng/ml



#2 alpha-BHC

R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 87832663
Conc: 10.41 ng/ml



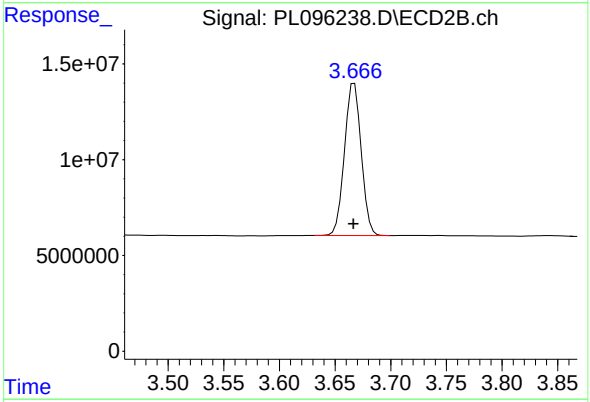
#3 gamma-BHC (Lindane)

R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 52975484
Conc: 10.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

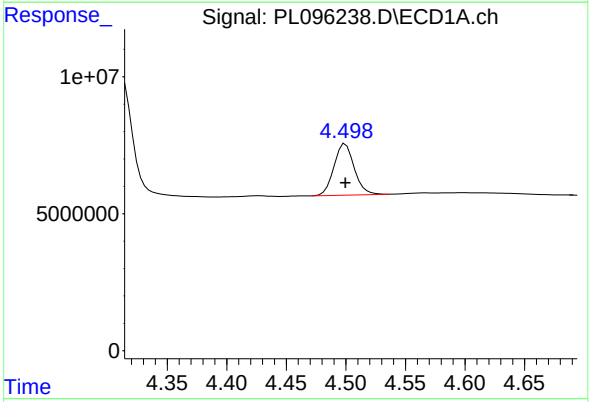
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



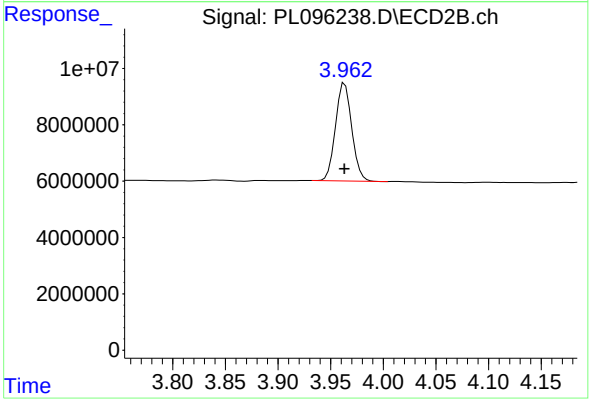
#3 gamma-BHC (Lindane)

R.T.: 3.667 min
Delta R.T.: 0.000 min
Response: 83194325
Conc: 10.56 ng/ml



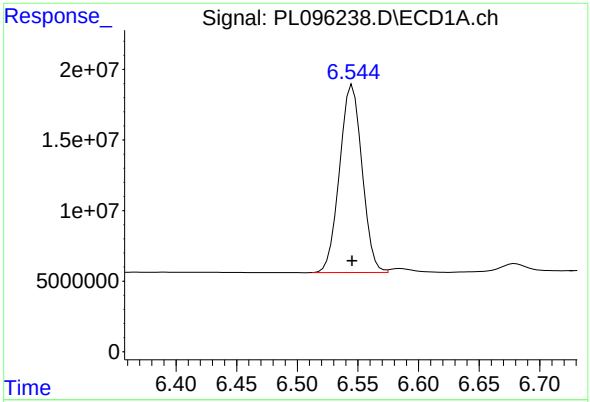
#6 beta-BHC

R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 22129275
Conc: 10.65 ng/ml



#6 beta-BHC

R.T.: 3.963 min
Delta R.T.: 0.000 min
Response: 37541154
Conc: 10.96 ng/ml



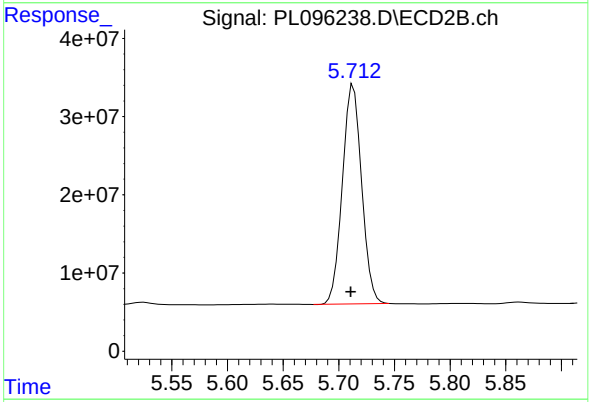
#14 Endrin

R.T.: 6.546 min
Delta R.T.: 0.000 min
Response: 171686207
Conc: 55.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

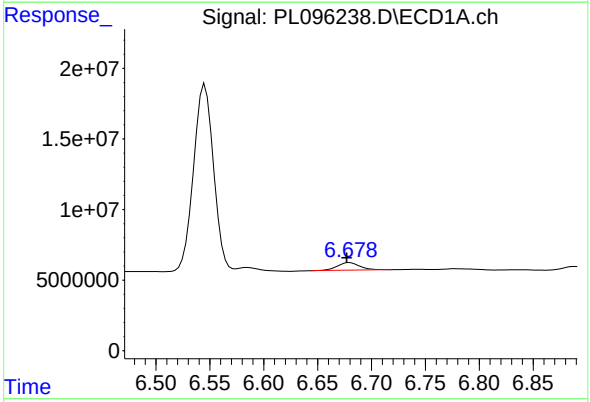
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



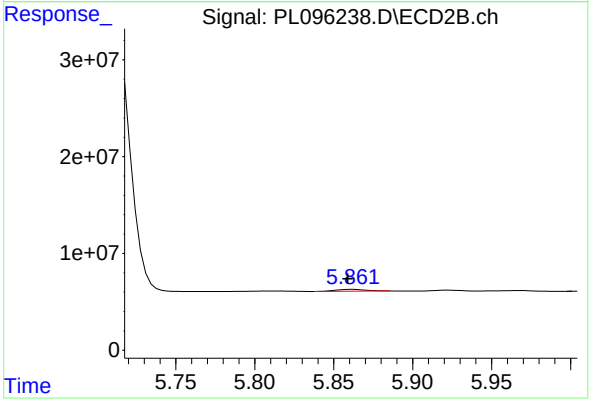
#14 Endrin

R.T.: 5.713 min
Delta R.T.: 0.002 min
Response: 337605121
Conc: 55.38 ng/ml



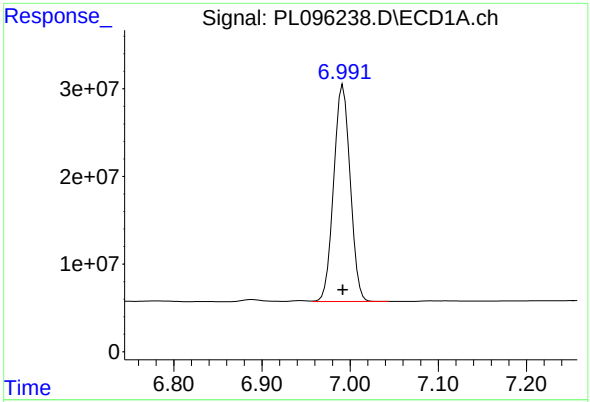
#16 4,4'-DDD

R.T.: 6.678 min
Delta R.T.: 0.001 min
Response: 7831583
Conc: 2.69 ng/ml m



#16 4,4'-DDD

R.T.: 5.861 min
Delta R.T.: 0.002 min
Response: 2512513
Conc: 0.49 ng/ml m



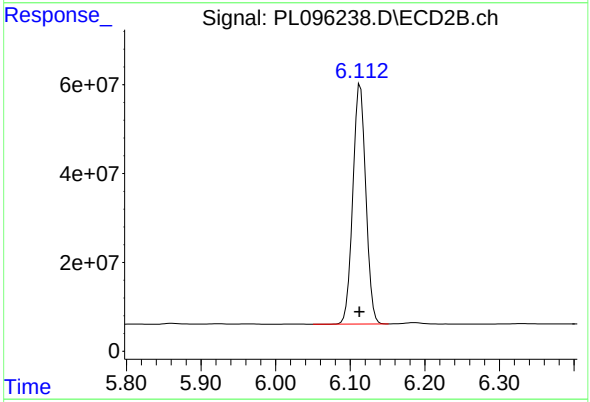
#17 4,4'-DDT

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 321893056
Conc: 106.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

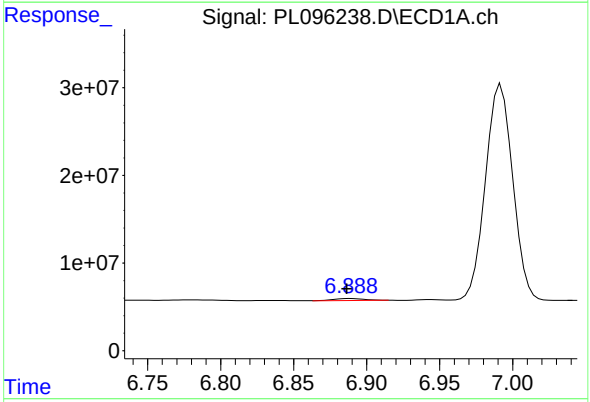
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



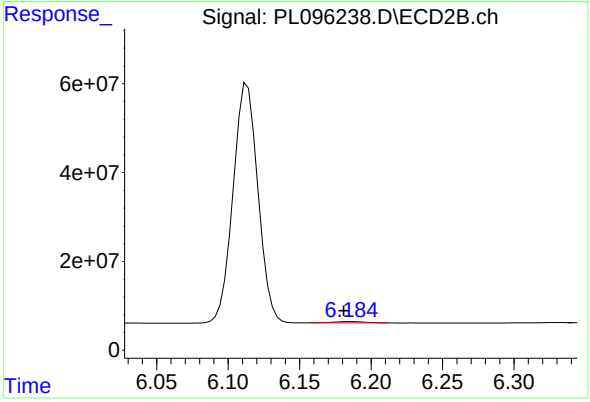
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 652208058
Conc: 113.72 ng/ml



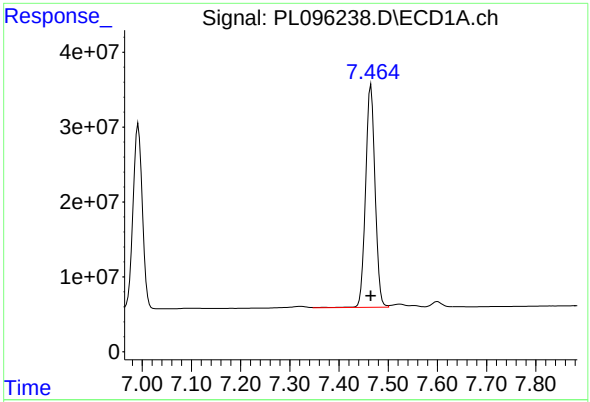
#18 Endrin aldehyde

R.T.: 6.888 min
Delta R.T.: 0.001 min
Response: 3352024
Conc: 1.50 ng/ml m



#18 Endrin aldehyde

R.T.: 6.184 min
Delta R.T.: 0.004 min
Response: 4525238
Conc: 1.02 ng/ml m



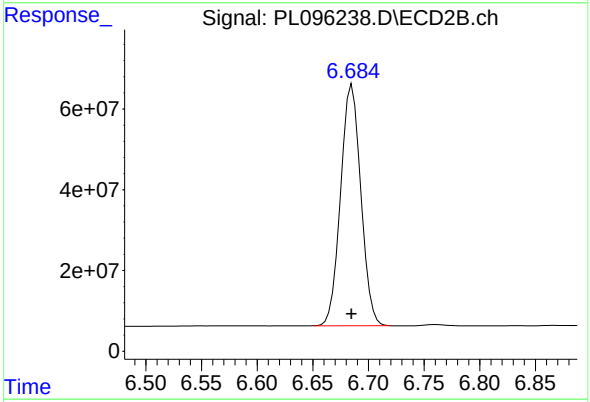
#20 Methoxychlor

R.T.: 7.465 min
Delta R.T.: 0.000 min
Response: 396812893
Conc: 251.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

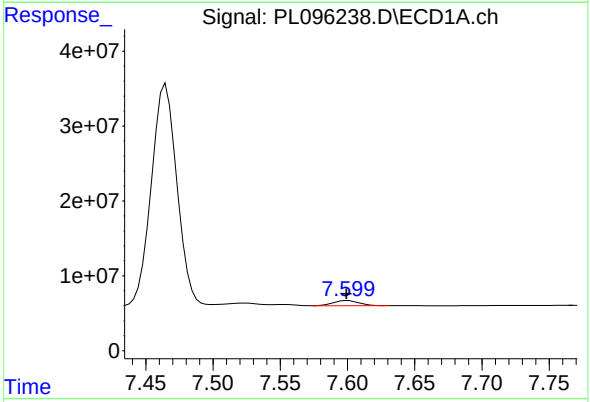
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



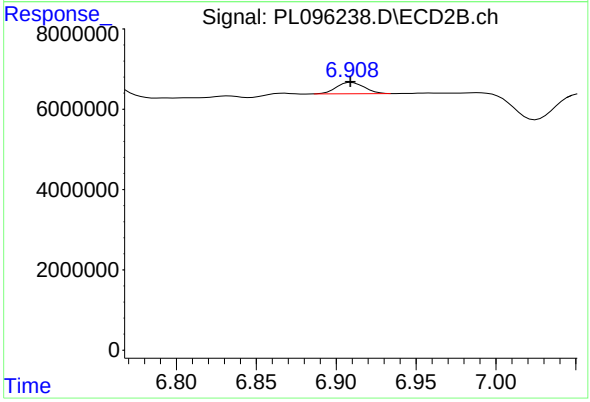
#20 Methoxychlor

R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 755922283
Conc: 248.84 ng/ml



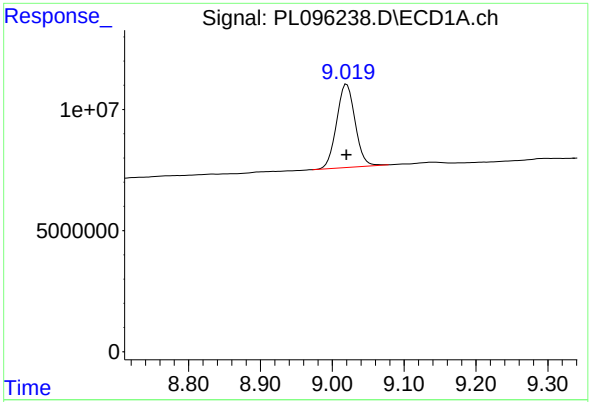
#21 Endrin ketone

R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 9355435
Conc: 2.83 ng/ml



#21 Endrin ketone

R.T.: 6.908 min
Delta R.T.: 0.000 min
Response: 3472500
Conc: 0.56 ng/ml m



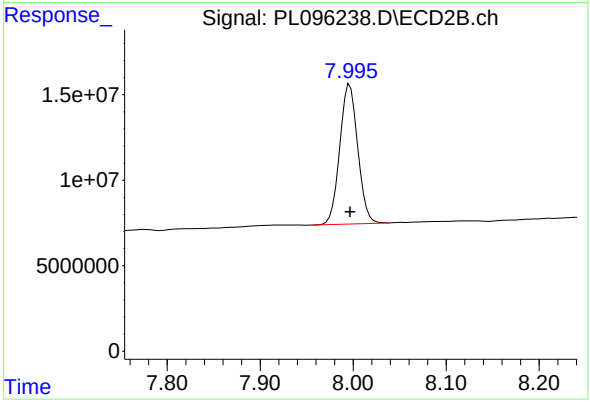
#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 61373713
Conc: 21.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



#28 Decachlorobiphenyl

R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 109564299
Conc: 21.97 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

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

Client Sample No. (PEM): PEM - PL096480.D **Date Analyzed:** 07/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:30

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.024	8.920	9.120	21.320	20.000	6.6
Tetrachloro-m-xylene	3.535	3.480	3.590	21.180	20.000	5.9
alpha-BHC	3.983	3.930	4.030	10.910	10.000	9.1
beta-BHC	4.498	4.450	4.550	11.440	10.000	14.4
gamma-BHC (Lindane)	4.312	4.260	4.360	10.760	10.000	7.6
Endrin	6.546	6.480	6.620	57.310	50.000	14.6
4,4'-DDT	6.994	6.920	7.060	102.510	100.000	2.5
Methoxychlor	7.467	7.400	7.540	244.180	250.000	-2.3

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

Client Sample No. (PEM): PEM - PL096480.D **Date Analyzed:** 07/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:30

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.994	7.890	8.090	22.400	20.000	12.0
Tetrachloro-m-xylene	2.825	2.770	2.880	22.600	20.000	13.0
alpha-BHC	3.331	3.280	3.380	11.150	10.000	11.5
beta-BHC	3.959	3.910	4.010	11.840	10.000	18.4
gamma-BHC (Lindane)	3.663	3.610	3.710	11.310	10.000	13.1
Endrin	5.709	5.640	5.780	55.780	50.000	11.6
4,4'-DDT	6.110	6.040	6.180	111.560	100.000	11.6
Methoxychlor	6.683	6.610	6.750	234.930	250.000	-6.0

PEM

Data File: PL096480.D **Date Acquired** 7/21/2025 12:30

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.55	178258491.6	191200477.8	12941986.2	**6.77**
Endrin aldehyde	6.89	3258568.252			
Endrin ketone	7.60	9683417.952			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.71	340072130.9	379279164	39207033.1	**10.34**
Endrin aldehyde #2	6.18	10054250.78			
Endrin ketone #2	6.91	29152782.33			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	6.99	311151793.3	333594300.7	22442507.5	**6.73**
4,4'-DDE	6.17	1460920.426			
4,4'-DDD	6.68	20981587.04			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.11	639800180.3	666307471.5	26507291.2	**3.98**
4,4'-DDE #2	5.30	842883.297			
4,4'-DDD #2	5.86	25664407.93			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096480.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:30
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:43:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.825	77296470	130.4E6	21.183	22.600
28)	SA Decachlor...	9.024	7.994	59986402	111.7E6	21.324	22.402
	Target Compounds						
2)	A alpha-BHC	3.983	3.331	56123842	94071420	10.912	11.153
3)	MA gamma-BHC...	4.312	3.663	53569568	89058605	10.758	11.308
6)	B beta-BHC	4.498	3.959	23771543	40537724	11.435	11.840
12)	B 4,4'-DDE	6.172	5.304	1460920	842883	0.394m	0.130m#
14)	MA Endrin	6.546	5.709	178.3E6	340.1E6	57.314	55.782
16)	A 4,4'-DDD	6.679	5.857	20981587	25664408	7.206	5.004 #
17)	MA 4,4'-DDT	6.994	6.110	311.2E6	639.8E6	102.514	111.558
18)	B Endrin al...	6.888	6.181	3258568	10054251	1.458m	2.257 #
20)	A Methoxychlor	7.467	6.683	384.7E6	713.7E6	244.179	234.935
21)	B Endrin ke...	7.602	6.907	9683418	29152782	2.933	4.663 #

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

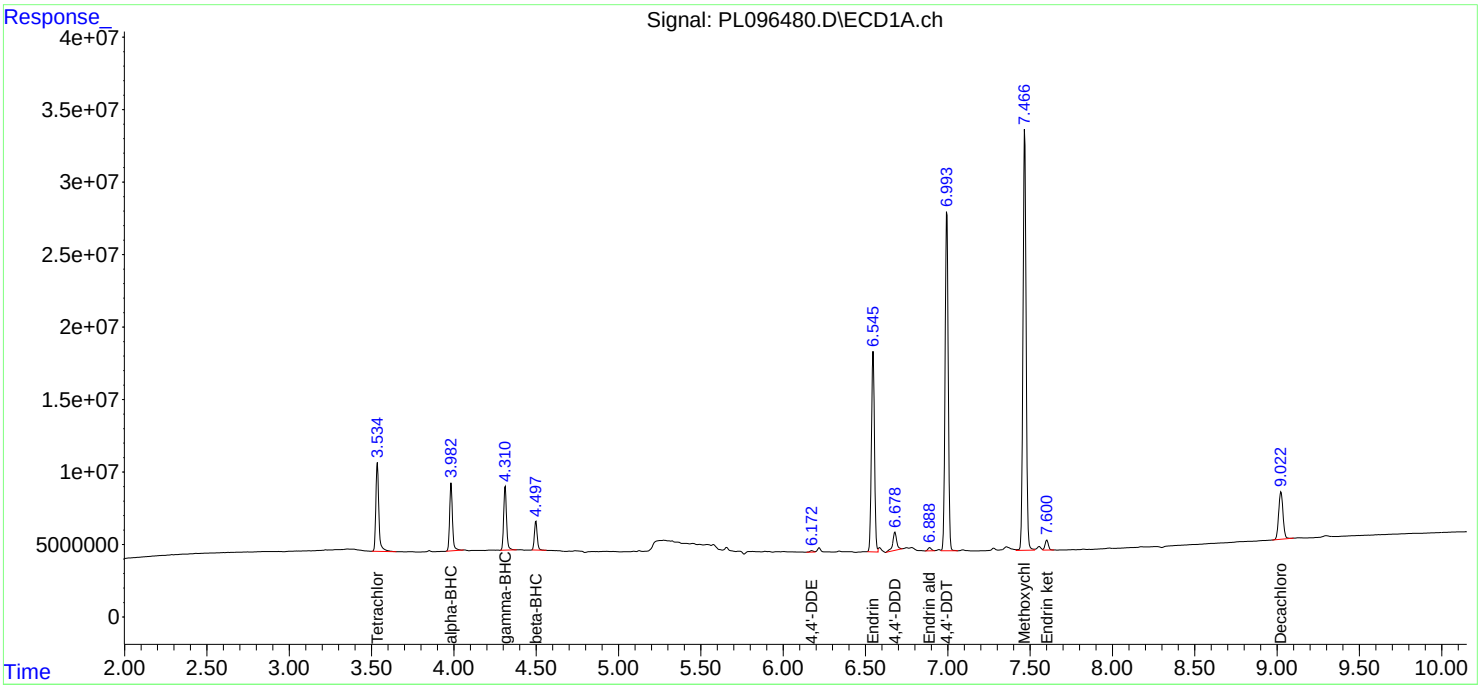
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096480.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:30
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

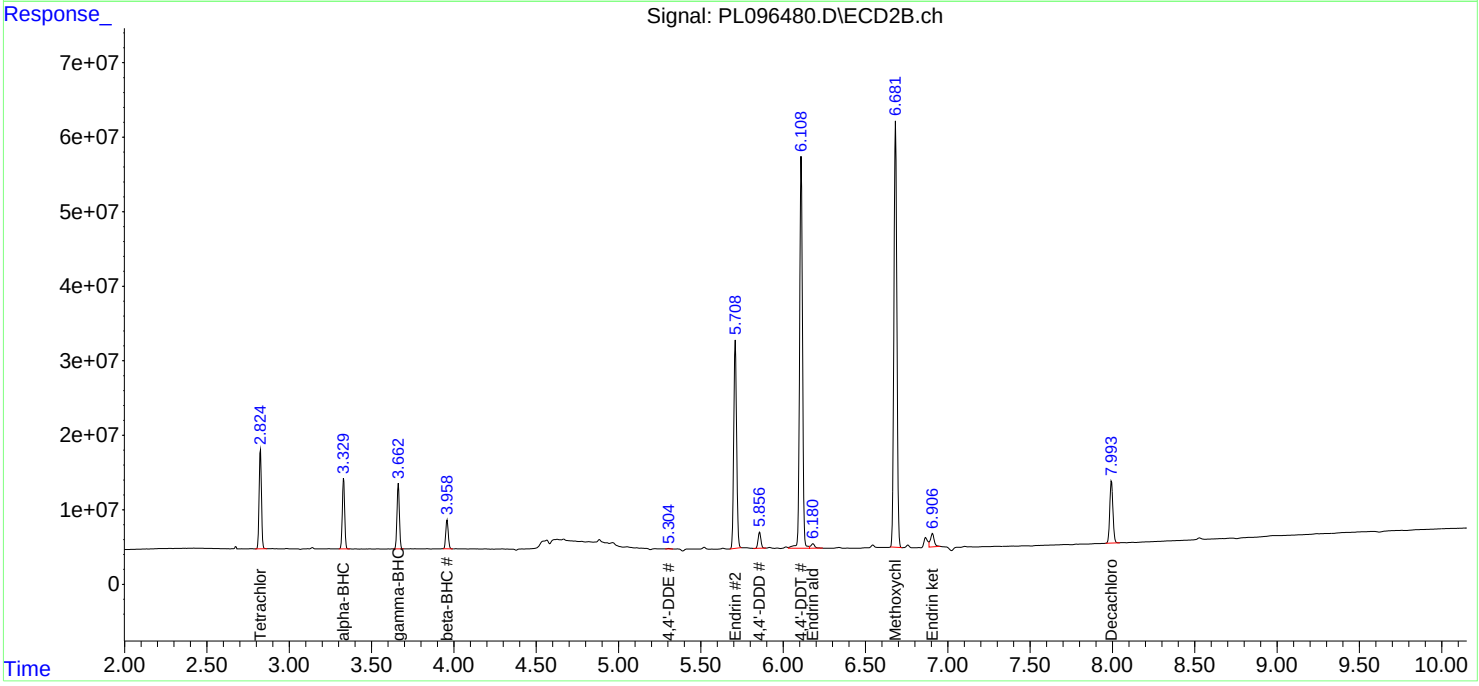
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:43:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

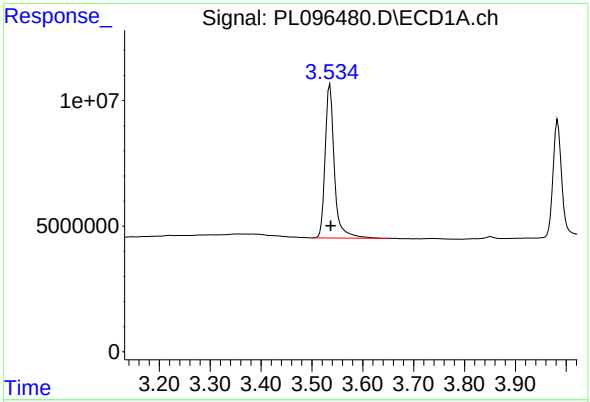
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025







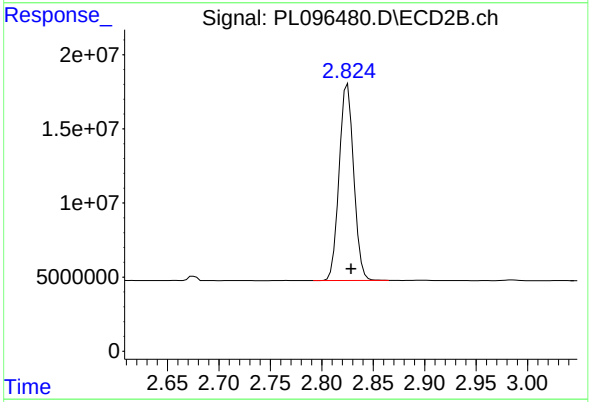
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 77296470
Conc: 21.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

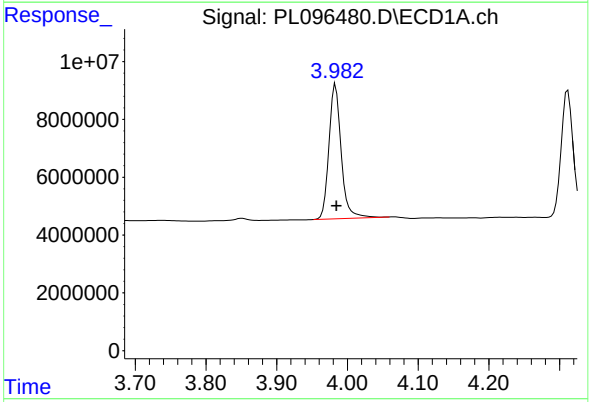
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



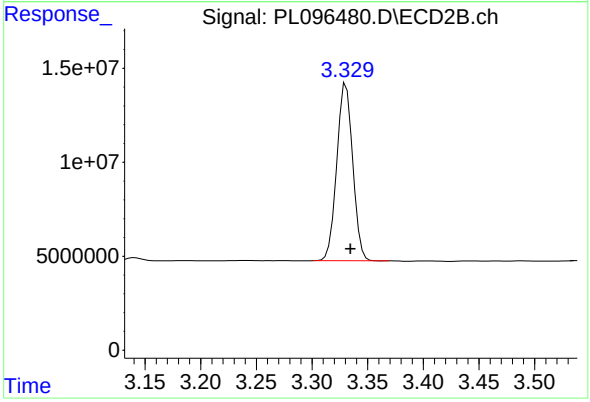
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 130429757
Conc: 22.60 ng/ml



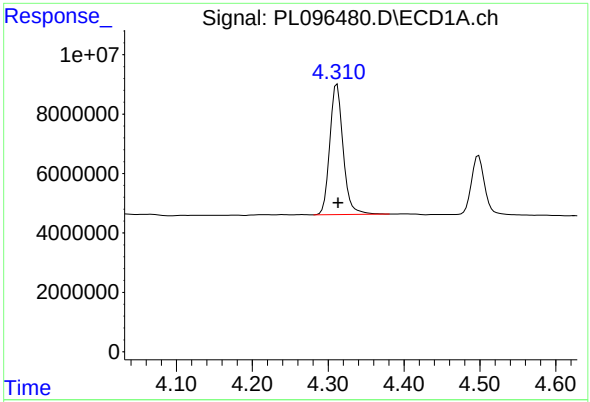
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: -0.001 min
Response: 56123842
Conc: 10.91 ng/ml



#2 alpha-BHC

R.T.: 3.331 min
Delta R.T.: -0.004 min
Response: 94071420
Conc: 11.15 ng/ml



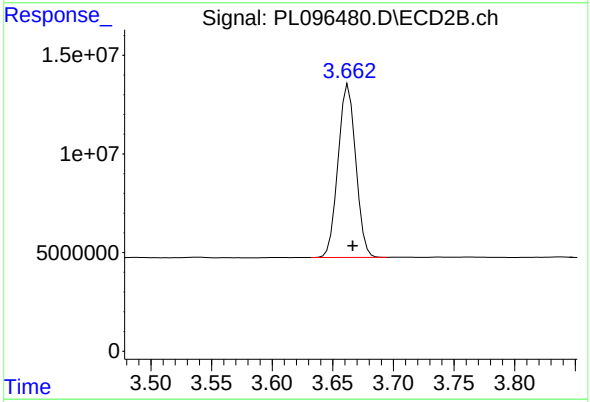
#3 gamma-BHC (Lindane)

R.T.: 4.312 min
Delta R.T.: -0.001 min
Response: 53569568
Conc: 10.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

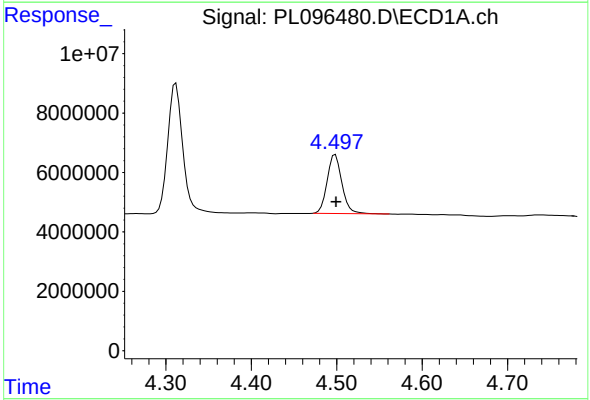
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



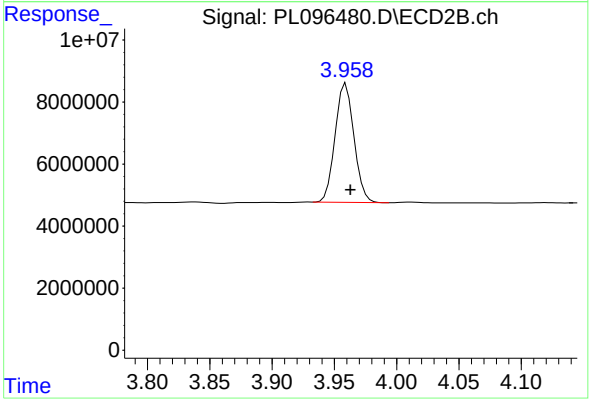
#3 gamma-BHC (Lindane)

R.T.: 3.663 min
Delta R.T.: -0.004 min
Response: 89058605
Conc: 11.31 ng/ml



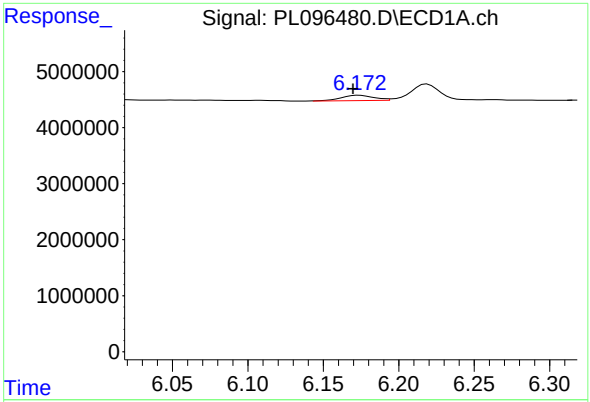
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: -0.001 min
Response: 23771543
Conc: 11.44 ng/ml



#6 beta-BHC

R.T.: 3.959 min
Delta R.T.: -0.004 min
Response: 40537724
Conc: 11.84 ng/ml



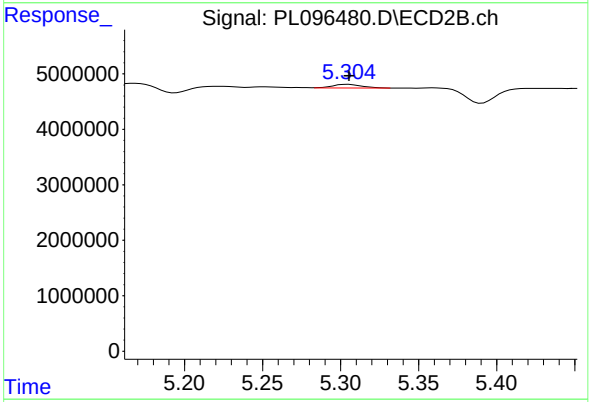
#12 4,4'-DDE

R.T.: 6.172 min
Delta R.T.: 0.003 min
Response: 1460920
Conc: 0.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

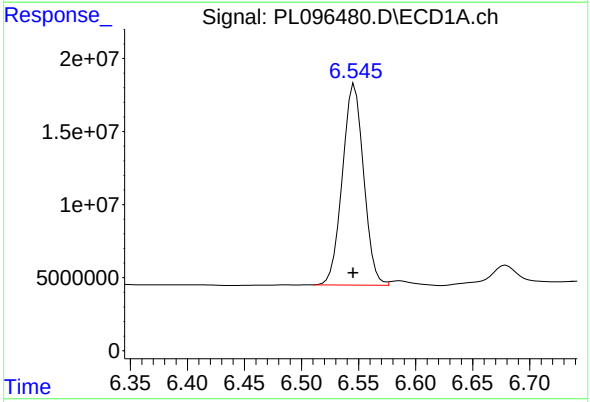
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



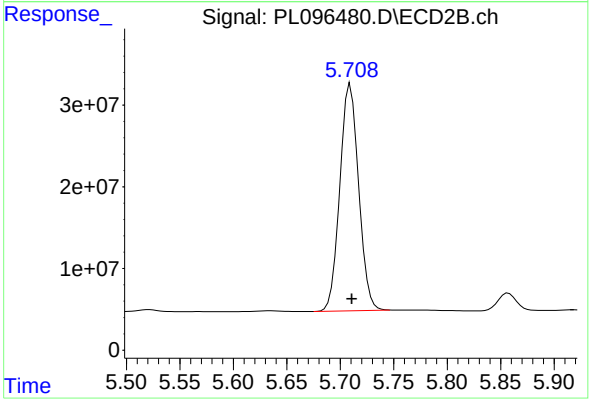
#12 4,4'-DDE

R.T.: 5.304 min
Delta R.T.: -0.002 min
Response: 842883
Conc: 0.13 ng/ml m



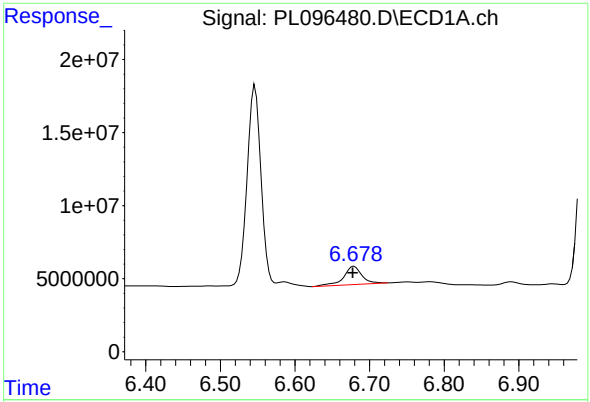
#14 Endrin

R.T.: 6.546 min
Delta R.T.: 0.001 min
Response: 178258492
Conc: 57.31 ng/ml



#14 Endrin

R.T.: 5.709 min
Delta R.T.: -0.001 min
Response: 340072131
Conc: 55.78 ng/ml



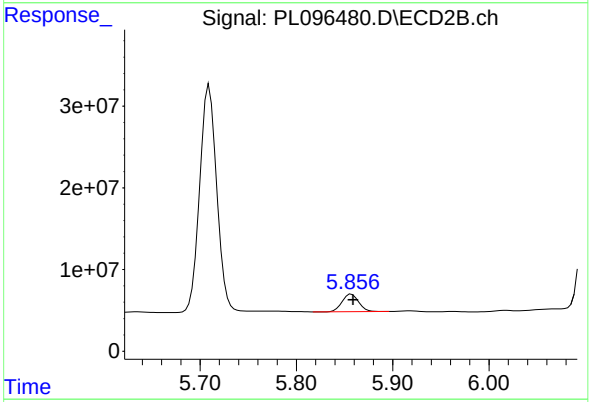
#16 4,4'-DDD

R.T.: 6.679 min
Delta R.T.: 0.002 min
Response: 20981587
Conc: 7.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

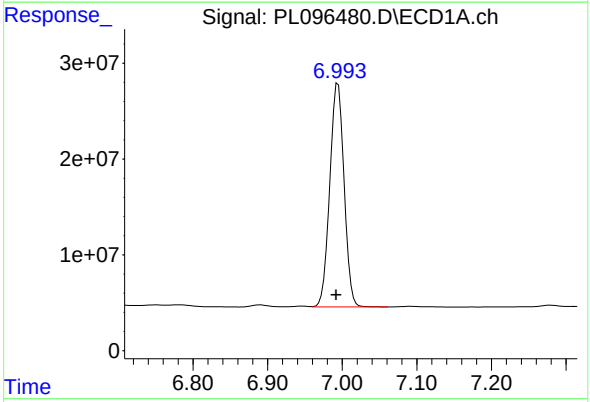
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



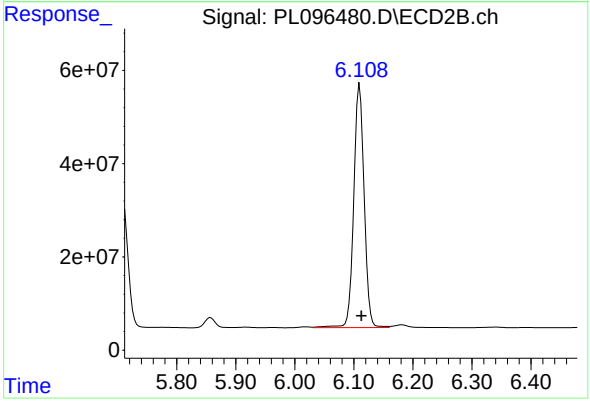
#16 4,4'-DDD

R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 25664408
Conc: 5.00 ng/ml



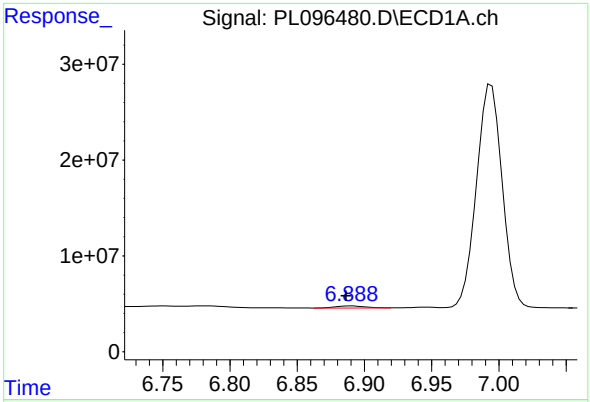
#17 4,4'-DDT

R.T.: 6.994 min
Delta R.T.: 0.003 min
Response: 311151793
Conc: 102.51 ng/ml



#17 4,4'-DDT

R.T.: 6.110 min
Delta R.T.: -0.003 min
Response: 639800180
Conc: 111.56 ng/ml



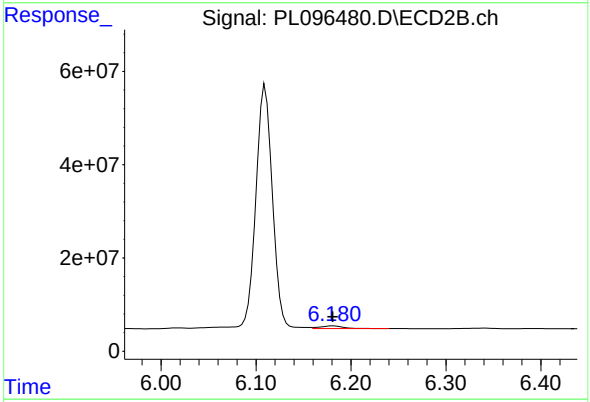
#18 Endrin aldehyde

R.T.: 6.888 min
Delta R.T.: 0.002 min
Response: 3258568
Conc: 1.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

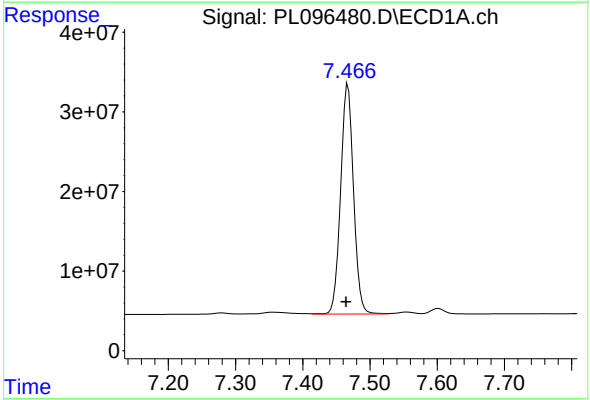
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



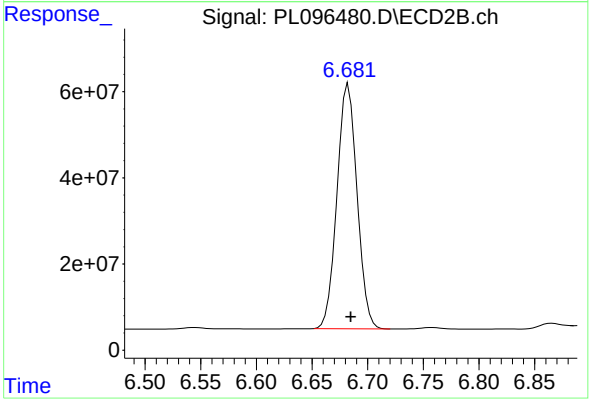
#18 Endrin aldehyde

R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 10054251
Conc: 2.26 ng/ml



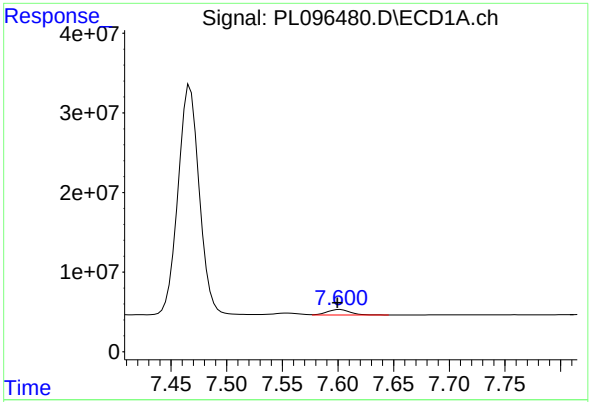
#20 Methoxychlor

R.T.: 7.467 min
Delta R.T.: 0.003 min
Response: 384679098
Conc: 244.18 ng/ml



#20 Methoxychlor

R.T.: 6.683 min
Delta R.T.: -0.002 min
Response: 713678352
Conc: 234.93 ng/ml



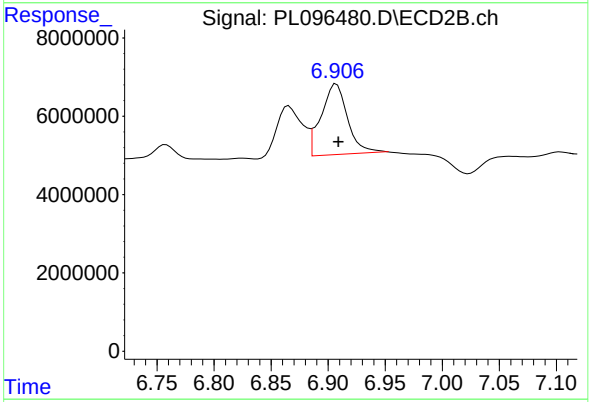
#21 Endrin ketone

R.T.: 7.602 min
Delta R.T.: 0.002 min
Response: 9683418
Conc: 2.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

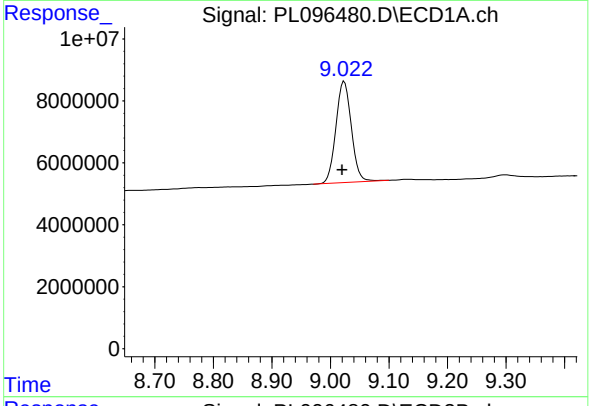
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



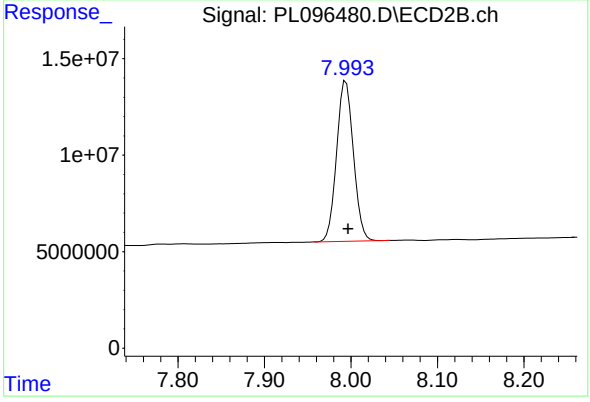
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: -0.002 min
Response: 29152782
Conc: 4.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.024 min
Delta R.T.: 0.004 min
Response: 59986402
Conc: 21.32 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.002 min
Response: 111706574
Conc: 22.40 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

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

Client Sample No. (PEM): PEM - PL096505.D **Date Analyzed:** 07/22/2025

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	9.016	8.920	9.120	20.160	20.000	0.8
Tetrachloro-m-xylene	3.535	3.480	3.590	20.520	20.000	2.6
alpha-BHC	3.982	3.930	4.030	10.010	10.000	0.1
beta-BHC	4.498	4.450	4.550	10.560	10.000	5.6
gamma-BHC (Lindane)	4.311	4.260	4.360	10.340	10.000	3.4
Endrin	6.543	6.470	6.610	56.550	50.000	13.1
4,4'-DDT	6.990	6.920	7.060	108.280	100.000	8.3
Methoxychlor	7.462	7.390	7.530	250.640	250.000	0.3

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

Client Sample No. (PEM): PEM - PL096505.D **Date Analyzed:** 07/22/2025

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	7.991	7.890	8.090	21.140	20.000	5.7
Tetrachloro-m-xylene	2.828	2.780	2.880	21.660	20.000	8.3
alpha-BHC	3.333	3.280	3.380	10.790	10.000	7.9
beta-BHC	3.961	3.910	4.010	11.380	10.000	13.8
gamma-BHC (Lindane)	3.665	3.610	3.720	10.860	10.000	8.6
Endrin	5.709	5.640	5.780	56.790	50.000	13.6
4,4'-DDT	6.108	6.040	6.180	112.960	100.000	13.0
Methoxychlor	6.681	6.610	6.750	249.950	250.000	0.0

PEM

Data File: PL096505.D **Date Acquired** 7/22/2025 10:02

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.54	175890152.6	182663603.8	6773451.23	**3.71**
Endrin aldehyde	6.89	3383447.15			
Endrin ketone	7.60	3390004.085			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.71	346194826.4	371344039.8	25149213.4	**6.77**
Endrin aldehyde #2	6.18	22372813.71			
Endrin ketone #2	6.90	2776399.68			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	6.99	328639908.2	332090528.2	3450620.02	**1.04**
4,4'-DDE	0.00	0			
4,4'-DDD	6.68	3450620.02			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.11	647813223.1	650791929.8	2978706.68	**0.46**
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.86	2978706.685			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096505.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 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 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:46:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.828	74869496	125.0E6	20.518	21.658
28)	SA Decachlor...	9.016	7.991	56724723	105.4E6	20.165	21.137
	Target Compounds						
2)	A alpha-BHC	3.982	3.333	51499129	90978736	10.013	10.787
3)	MA gamma-BHC...	4.311	3.665	51489984	85522802	10.340	10.859
6)	B beta-BHC	4.498	3.961	21943686	38977484	10.556	11.384
14)	MA Endrin	6.543	5.709	175.9E6	346.2E6	56.552	56.786
16)	A 4,4'-DDD	6.677	5.856	3450620	2978707	1.185m	0.581m#
17)	MA 4,4'-DDT	6.990	6.108	328.6E6	647.8E6	108.276	112.955
18)	B Endrin al...	6.887	6.180	3383447	22372814	1.513m	5.022m#
20)	A Methoxychlor	7.462	6.681	394.9E6	759.3E6	250.636	249.954
21)	B Endrin ke...	7.596	6.904	3390004	2776400	1.027m	0.444m#

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

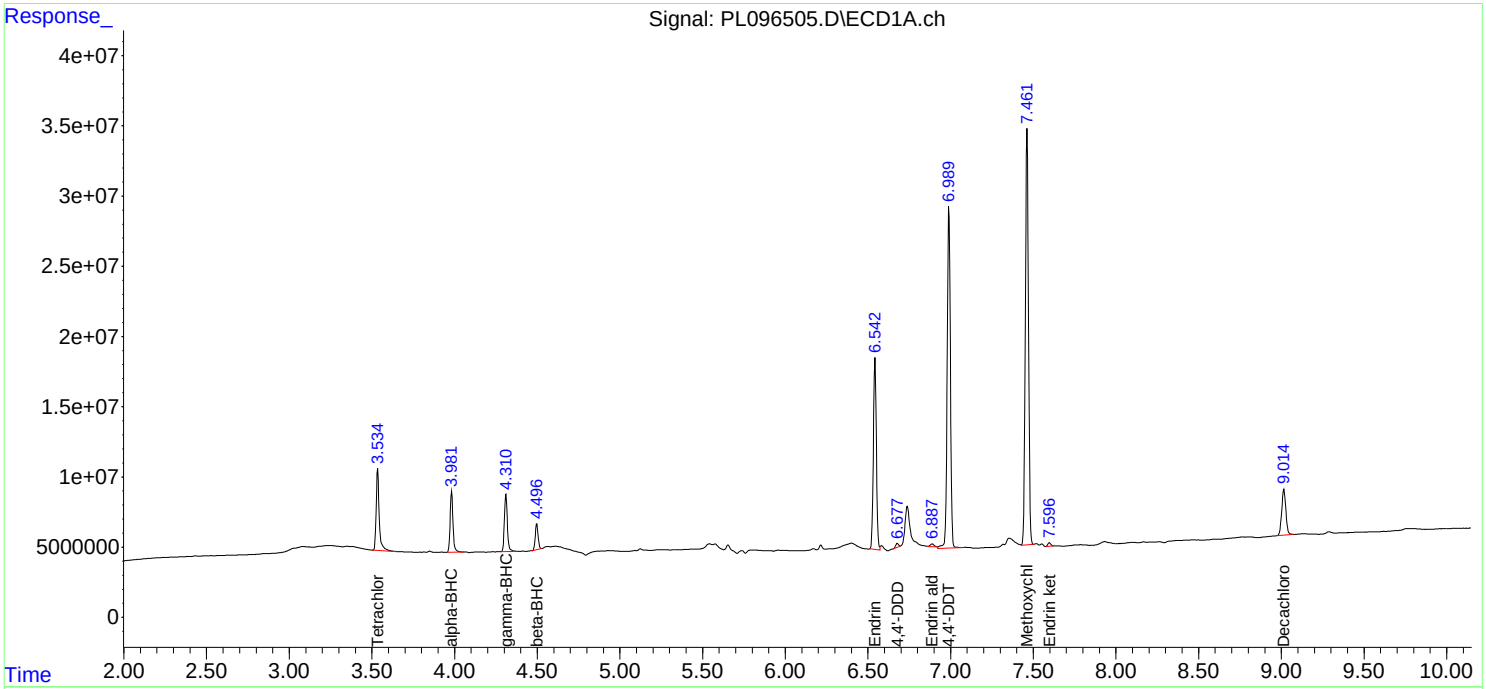
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096505.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 10:02
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

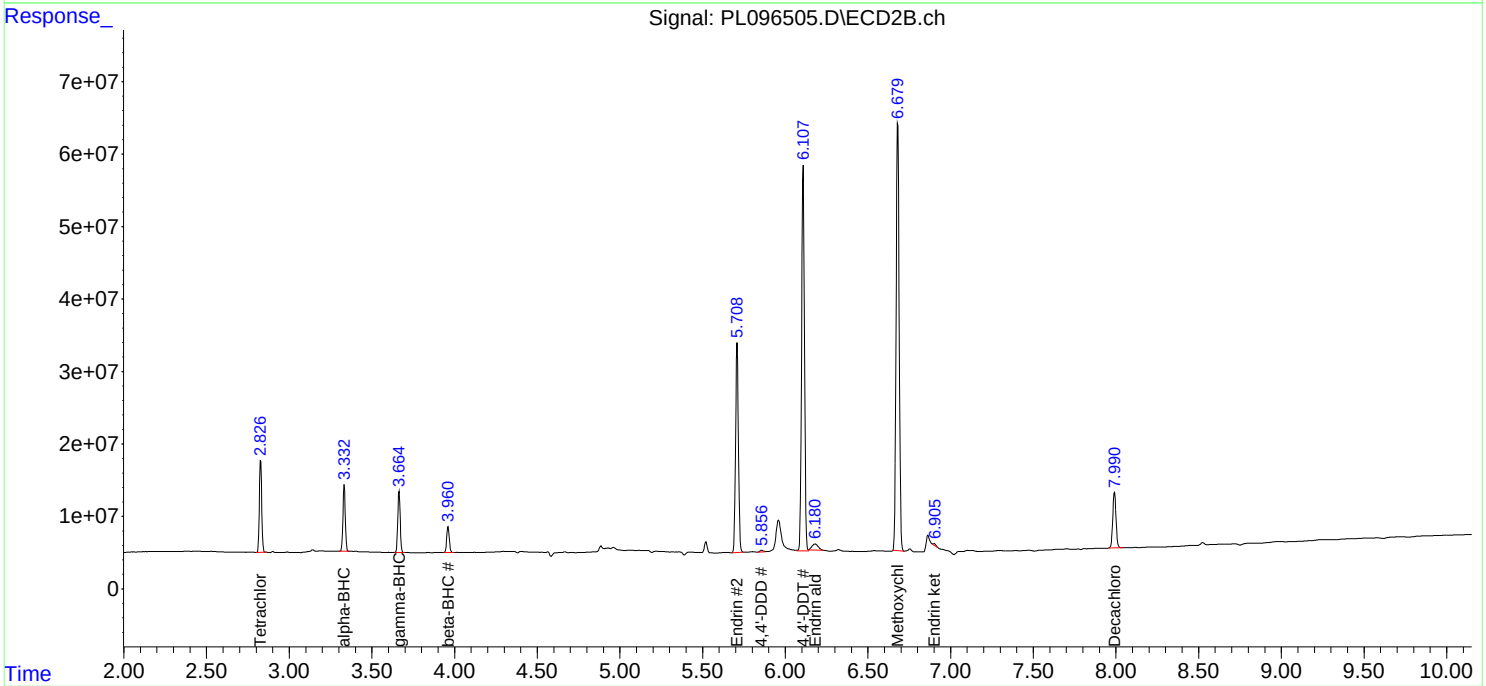
Instrument :
ECD_L
ClientSampleId :
PEM

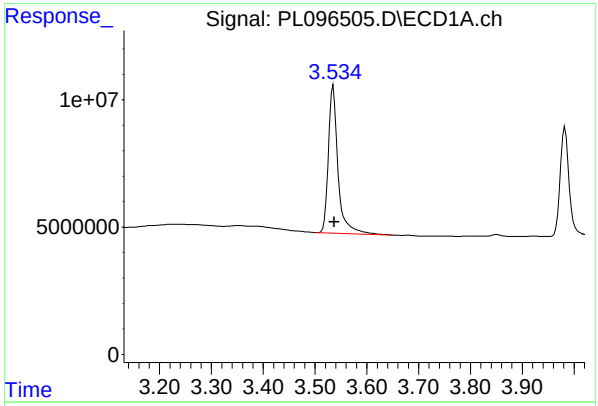
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:46:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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







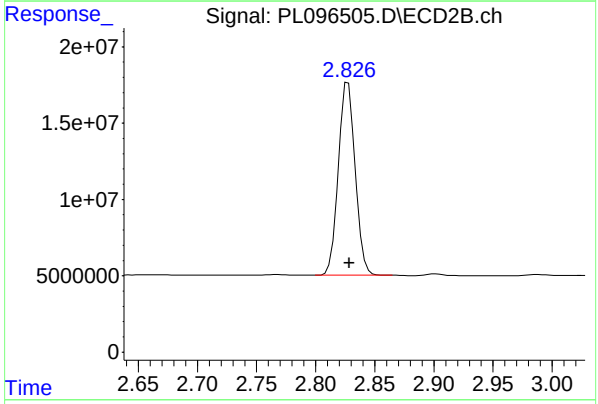
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.002 mi
Response: 74869496
Conc: 20.52 ng/m

Instrument :
ECD_L
ClientSampleId :
PEM

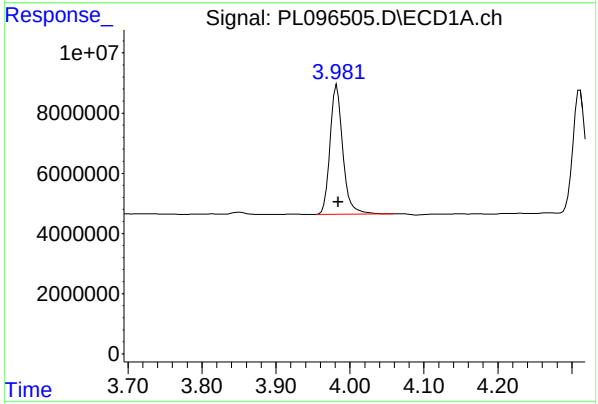
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



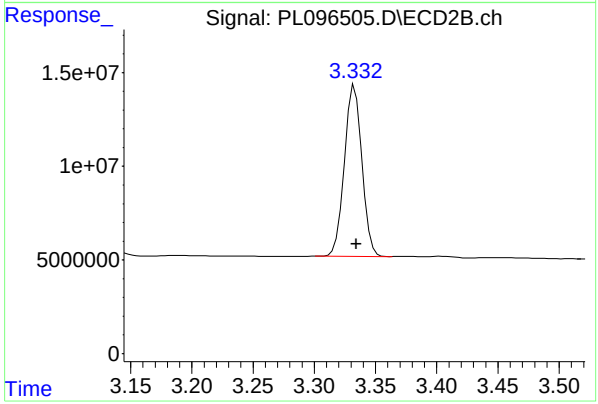
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 124990529
Conc: 21.66 ng/ml



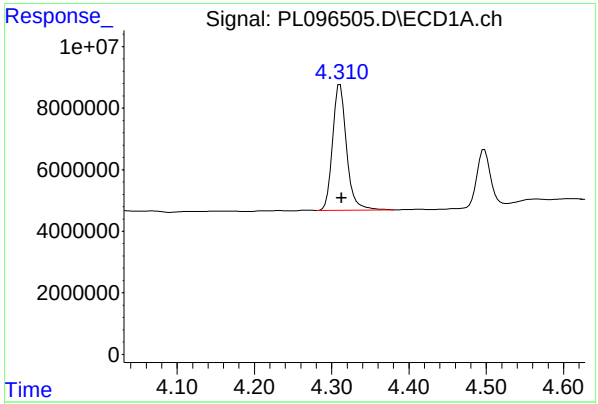
#2 alpha-BHC

R.T.: 3.982 min
Delta R.T.: -0.002 min
Response: 51499129
Conc: 10.01 ng/ml



#2 alpha-BHC

R.T.: 3.333 min
Delta R.T.: -0.001 min
Response: 90978736
Conc: 10.79 ng/ml



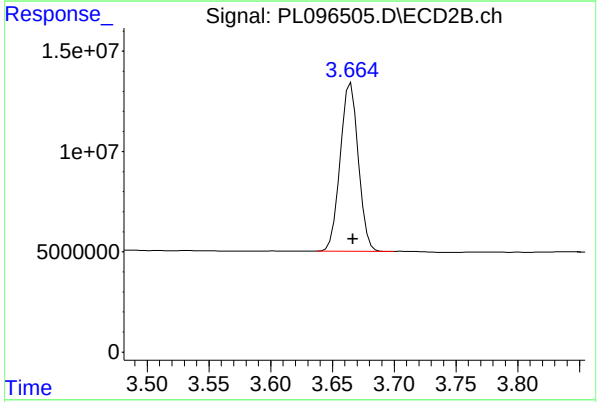
#3 gamma-BHC (Lindane)

R.T.: 4.311 min
Delta R.T.: -0.002 min
Response: 51489984
Conc: 10.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

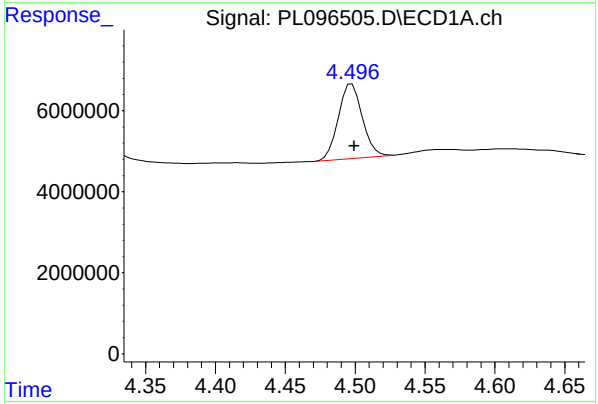
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



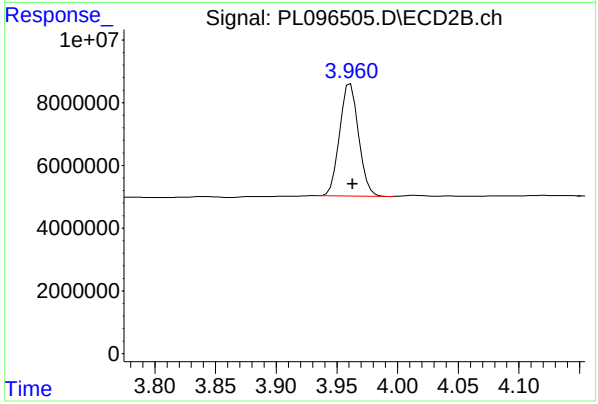
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: -0.002 min
Response: 85522802
Conc: 10.86 ng/ml



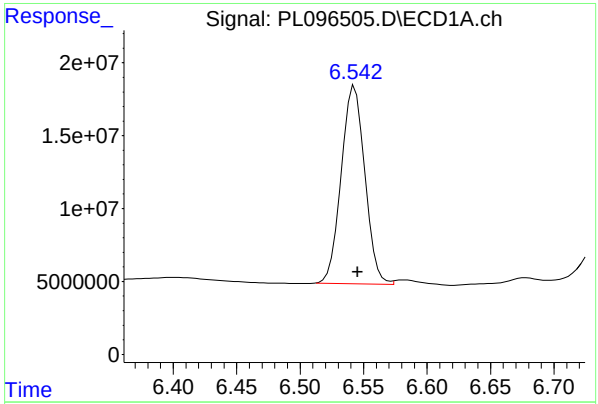
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: -0.002 min
Response: 21943686
Conc: 10.56 ng/ml



#6 beta-BHC

R.T.: 3.961 min
Delta R.T.: -0.002 min
Response: 38977484
Conc: 11.38 ng/ml



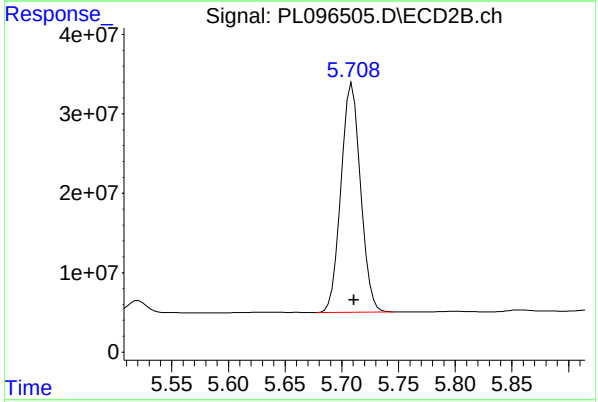
#14 Endrin

R.T.: 6.543 min
Delta R.T.: -0.002 mi
Response: 175890153
Conc: 56.55 ng/m

Instrument :
ECD_L
ClientSampleId :
PEM

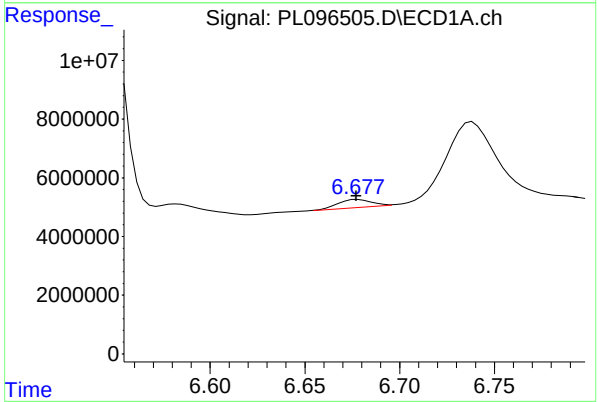
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



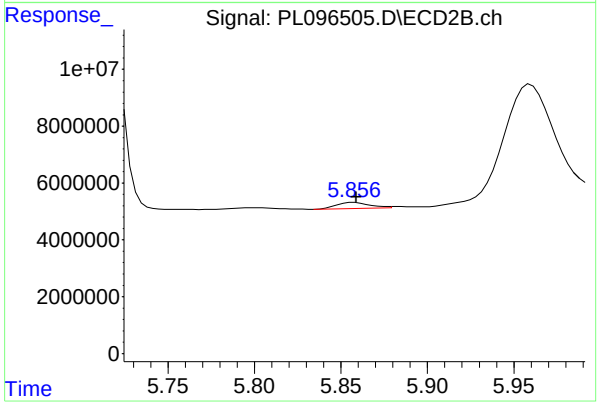
#14 Endrin

R.T.: 5.709 min
Delta R.T.: -0.002 min
Response: 346194826
Conc: 56.79 ng/ml



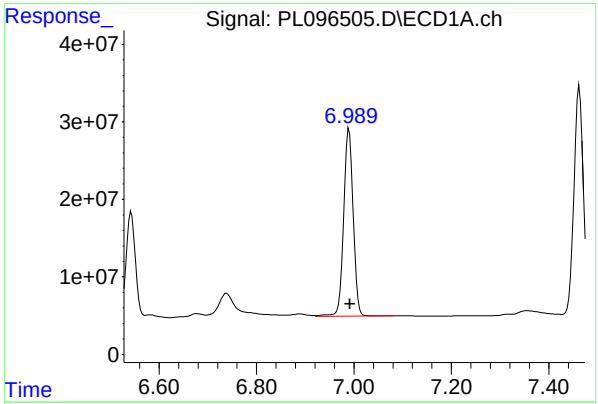
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 3450620
Conc: 1.19 ng/ml m



#16 4,4'-DDD

R.T.: 5.856 min
Delta R.T.: -0.003 min
Response: 2978707
Conc: 0.58 ng/ml m



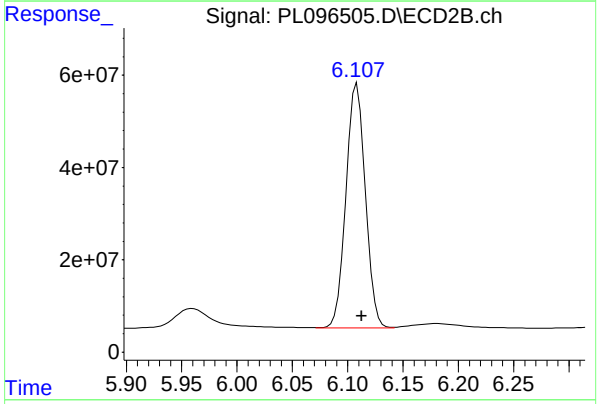
#17 4,4'-DDT

R.T.: 6.990 min
Delta R.T.: -0.002 mi
Response: 328639908
Conc: 108.28 ng/m

Instrument :
ECD_L
ClientSampleId :
PEM

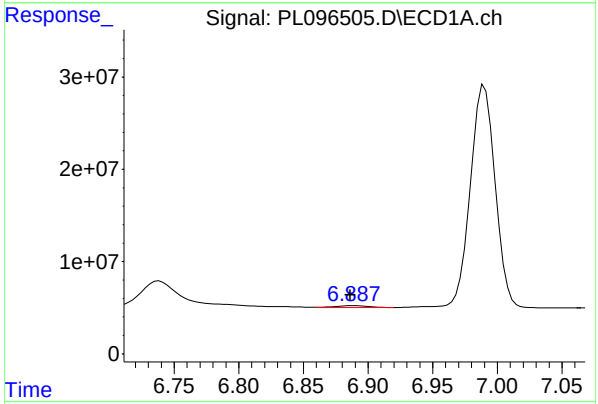
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



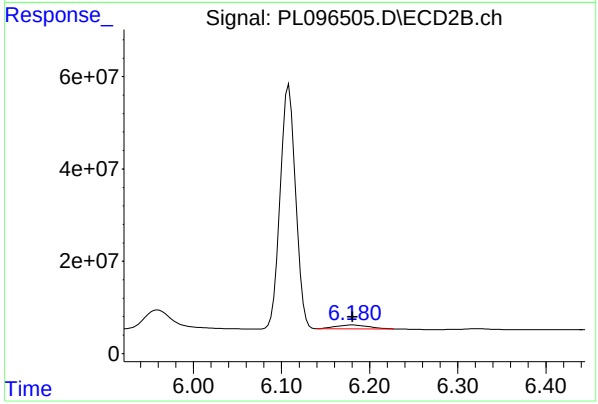
#17 4,4'-DDT

R.T.: 6.108 min
Delta R.T.: -0.004 min
Response: 647813223
Conc: 112.96 ng/ml



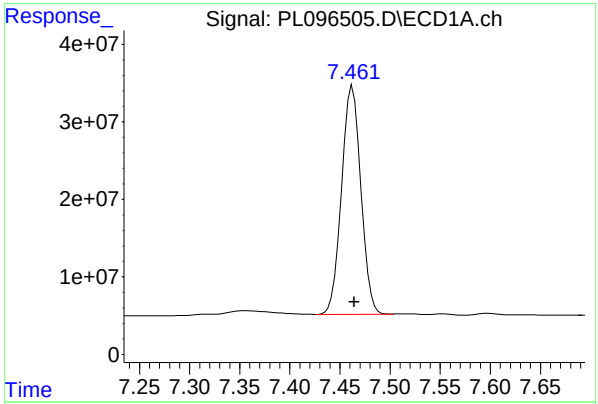
#18 Endrin aldehyde

R.T.: 6.887 min
Delta R.T.: 0.000 min
Response: 3383447
Conc: 1.51 ng/ml m



#18 Endrin aldehyde

R.T.: 6.180 min
Delta R.T.: 0.000 min
Response: 22372814
Conc: 5.02 ng/ml m



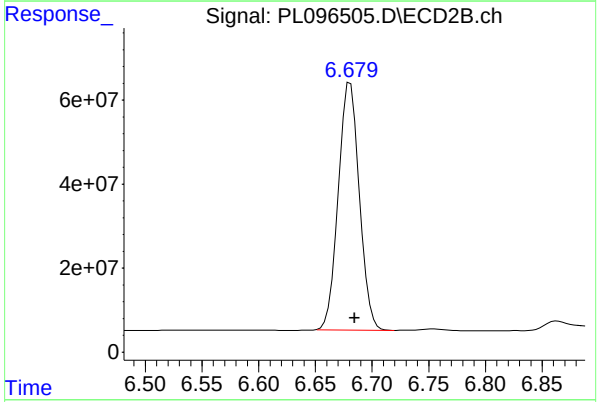
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: -0.002 mi
Response: 394850966
Conc: 250.64 ng/m

Instrument :
ECD_L
ClientSampleId :
PEM

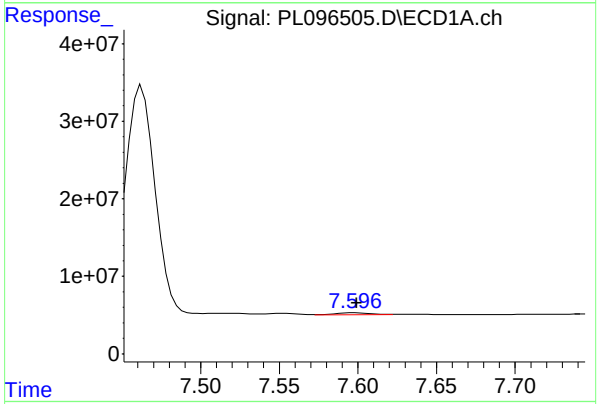
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



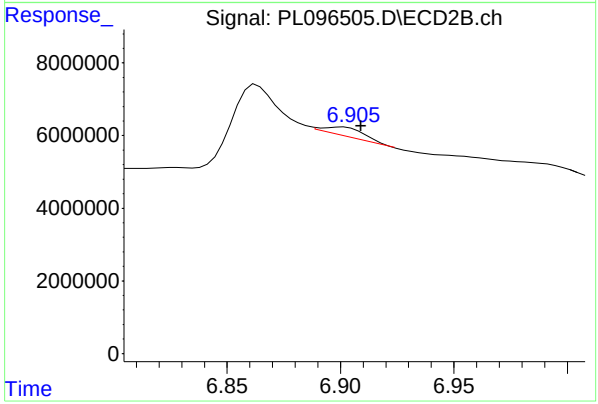
#20 Methoxychlor

R.T.: 6.681 min
Delta R.T.: -0.004 min
Response: 759304203
Conc: 249.95 ng/ml



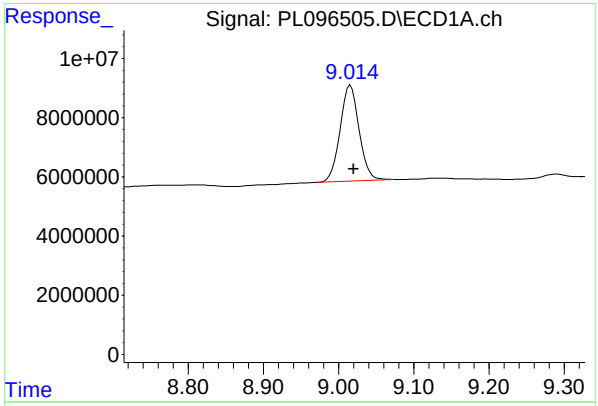
#21 Endrin ketone

R.T.: 7.596 min
Delta R.T.: -0.003 min
Response: 3390004
Conc: 1.03 ng/ml m



#21 Endrin ketone

R.T.: 6.904 min
Delta R.T.: -0.004 min
Response: 2776400
Conc: 0.44 ng/ml m



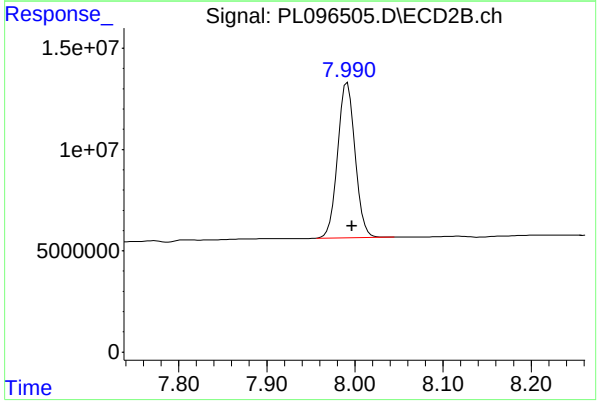
#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: -0.004 min
Response: 56724723
Conc: 20.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



#28 Decachlorobiphenyl

R.T.: 7.991 min
Delta R.T.: -0.005 min
Response: 105401999
Conc: 21.14 ng/ml

Chromatographic Resolution Report

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096239.D
Acq On : 07 Jul 2025 10:40
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\PL070725.M
Title : GC Extractables
Last Update : Mon Jul 07 15:22:07 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.537	5.919	100.00%
5.919	6.047	100.00%
6.047	6.169	100.00%
6.169	6.319	100.00%
6.319	7.120	100.00%
7.120	7.464	100.00%
7.464	7.599	100.00%
7.599	9.020	100.00%

Signal #2

2.829	5.054	100.00%
5.054	5.173	100.00%
5.173	5.307	100.00%
5.307	5.438	100.00%
5.438	6.406	100.00%
6.406	6.685	100.00%
6.685	6.910	100.00%
6.910	7.996	100.00%

PL070725.M Thu Jul 24 01:04:02 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096239.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:40
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:27:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.829	62690780	102.2E6	17.180	17.704
28)	SA Decachlor...	9.020	7.996	50426233	89762754	17.926	18.001
	Target Compounds						
9)	A Endosulfan I	6.047	5.171	32887236	74513445	8.146	10.386m#
10)	B gamma-Chl...	5.919	5.054	38063125	59640944	8.602	8.496
12)	B 4,4'-DDE	6.169	5.307	64648183	115.1E6	17.437	17.809
13)	MA Dieldrin	6.319	5.438	73314501	120.9E6	17.339	17.729
19)	B Endosulfa...	7.120	6.406	55307739	102.1E6	18.081	18.156
20)	A Methoxychlor	7.464	6.685	131.3E6	265.5E6	83.329	87.403
21)	B Endrin ke...	7.599	6.910	58507106	113.8E6	17.721	18.203

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

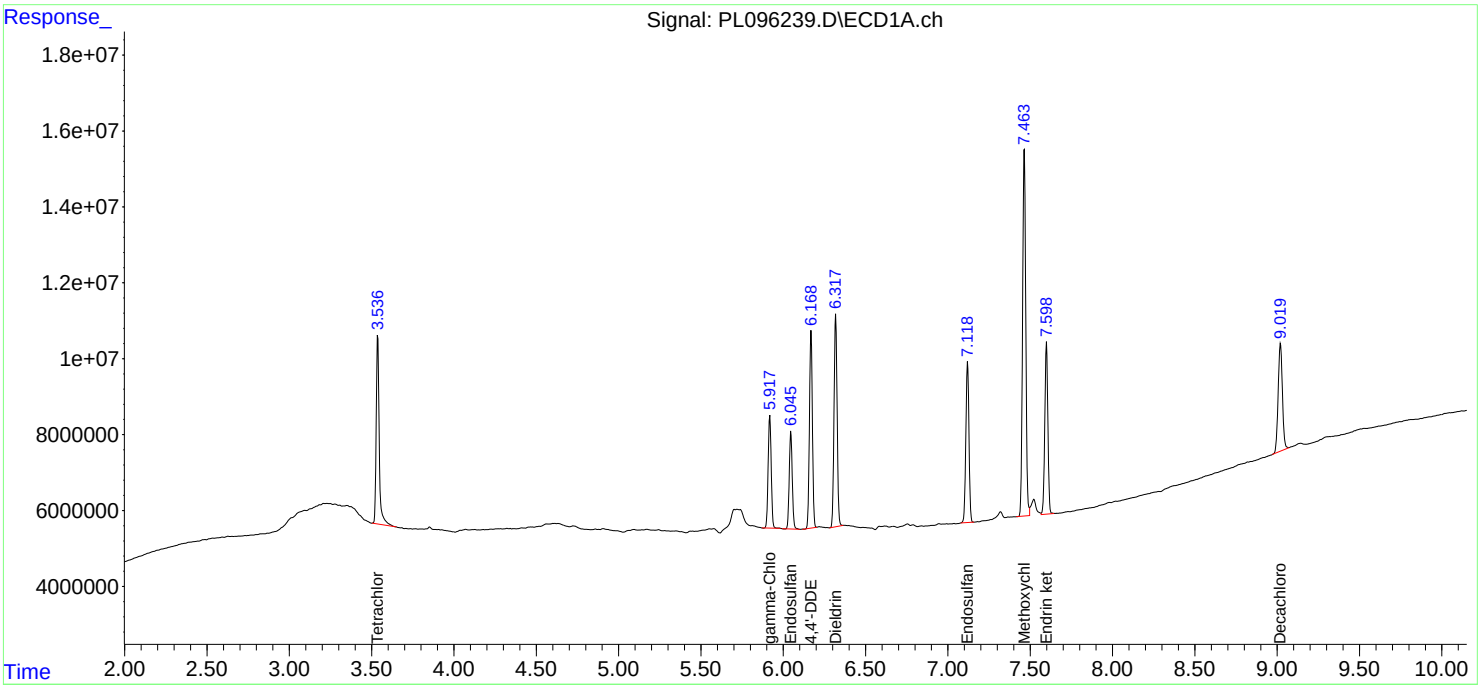
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096239.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:40
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

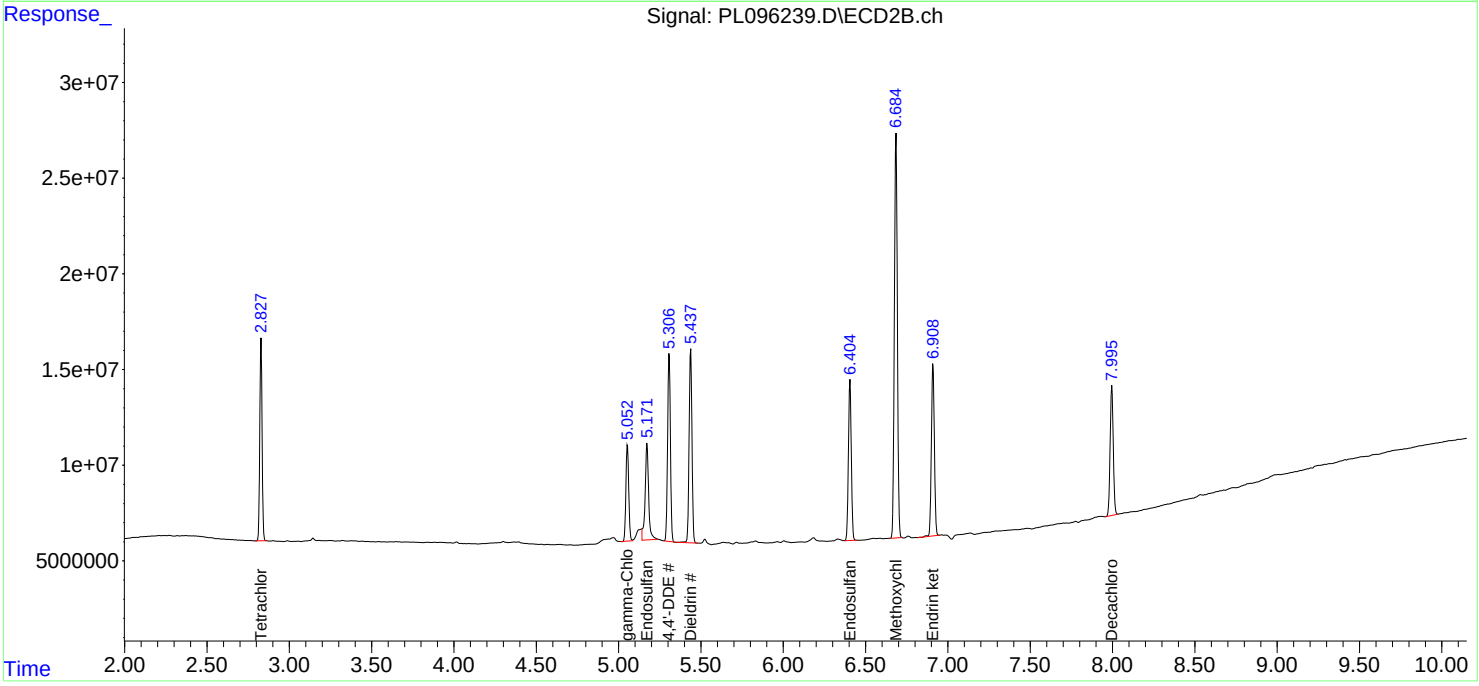
Instrument :
ECD_L
ClientSampleId :
RESCHK

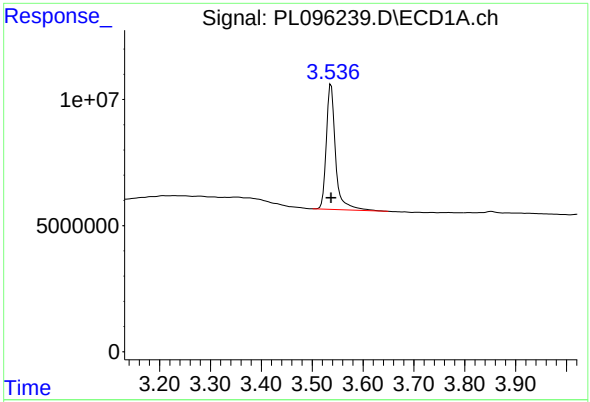
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:27:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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







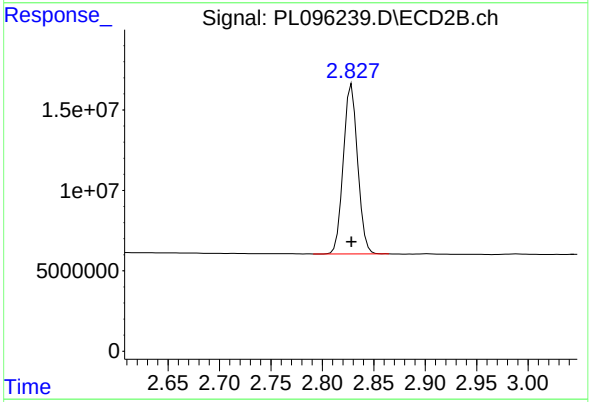
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 62690780
Conc: 17.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

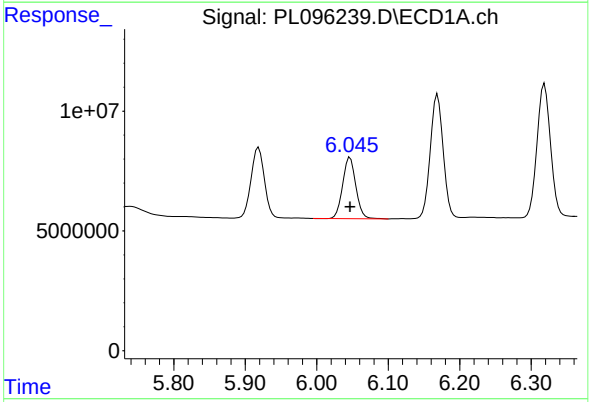
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



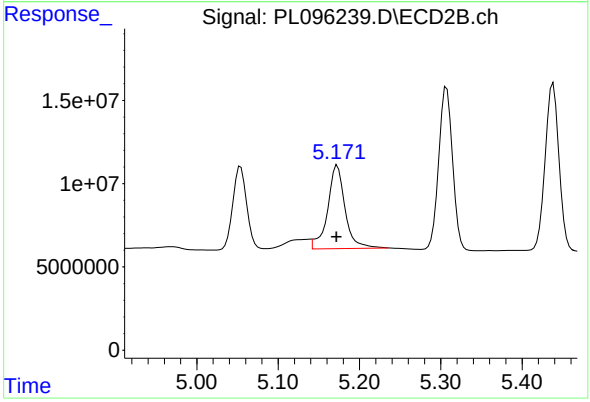
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 102171887
Conc: 17.70 ng/ml



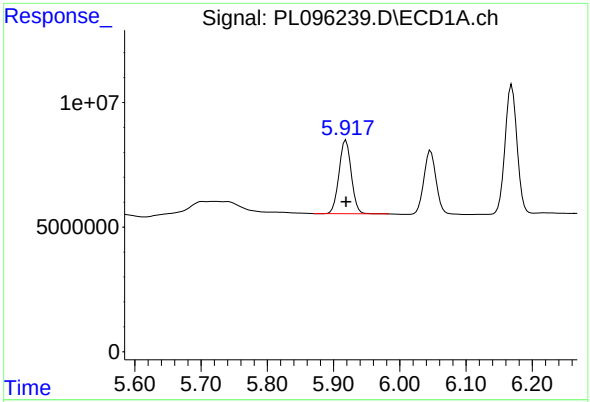
#9 Endosulfan I

R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 32887236
Conc: 8.15 ng/ml



#9 Endosulfan I

R.T.: 5.171 min
Delta R.T.: 0.000 min
Response: 74513445
Conc: 10.39 ng/ml m



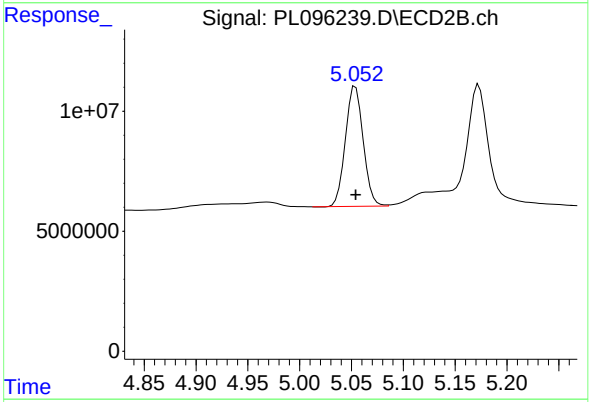
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 38063125
Conc: 8.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

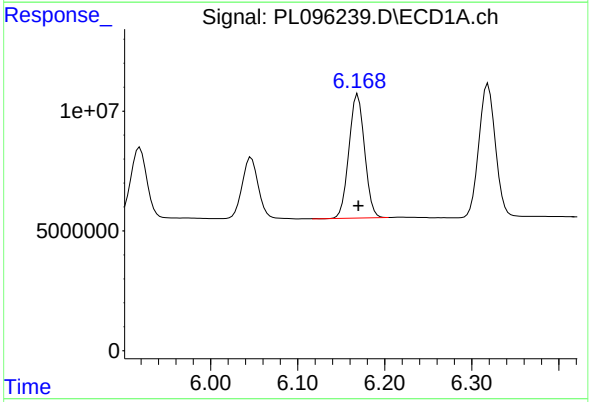
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



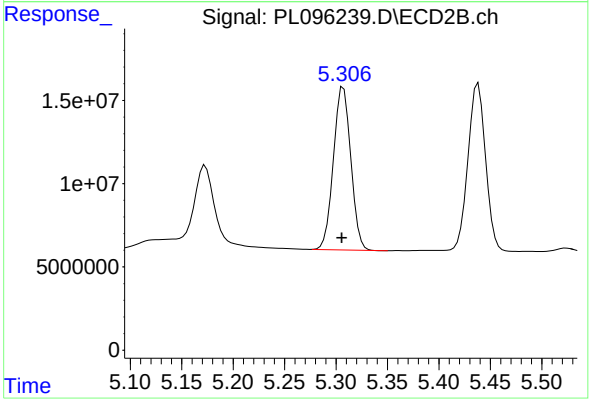
#10 gamma-Chlordane

R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 59640944
Conc: 8.50 ng/ml



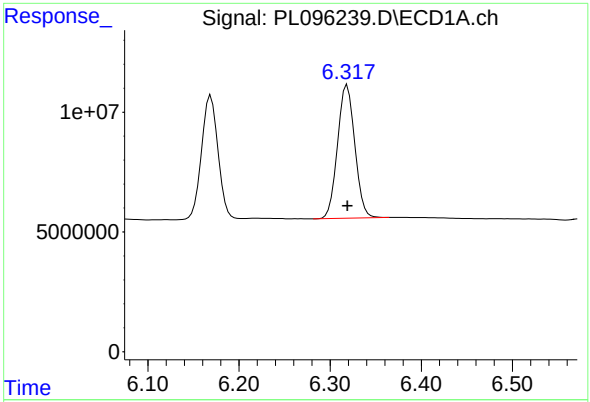
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 64648183
Conc: 17.44 ng/ml



#12 4,4'-DDE

R.T.: 5.307 min
Delta R.T.: 0.002 min
Response: 115114975
Conc: 17.81 ng/ml



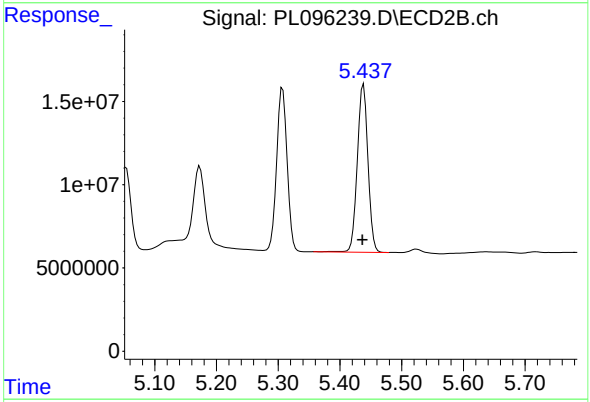
#13 Dieldrin

R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 73314501
Conc: 17.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

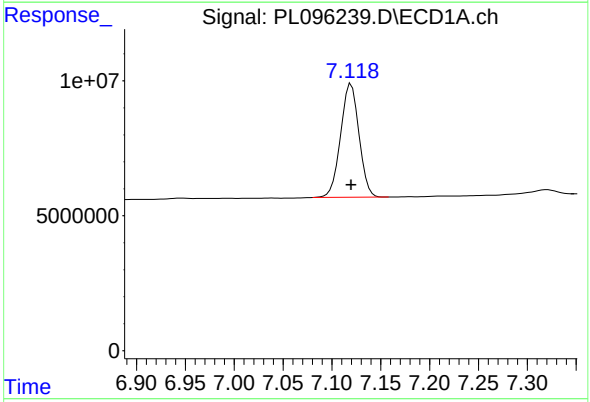
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



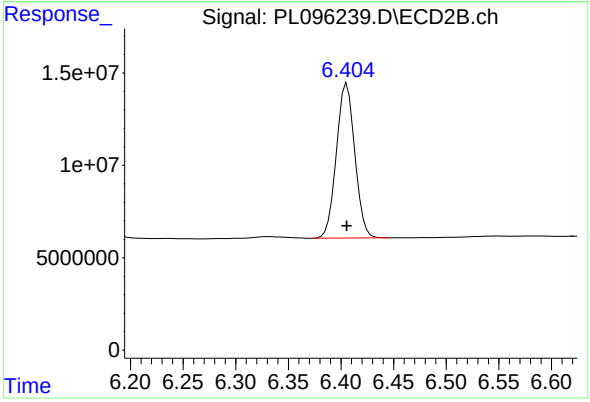
#13 Dieldrin

R.T.: 5.438 min
Delta R.T.: 0.002 min
Response: 120898616
Conc: 17.73 ng/ml



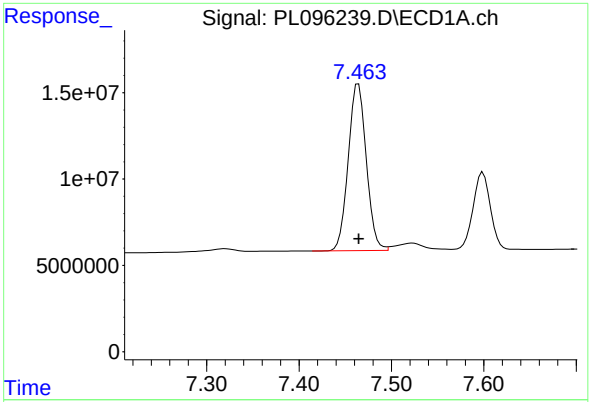
#19 Endosulfan Sulfate

R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 55307739
Conc: 18.08 ng/ml



#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 102116369
Conc: 18.16 ng/ml



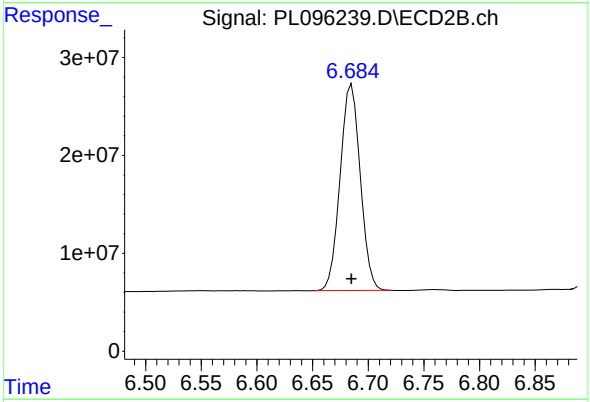
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 131275919
Conc: 83.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

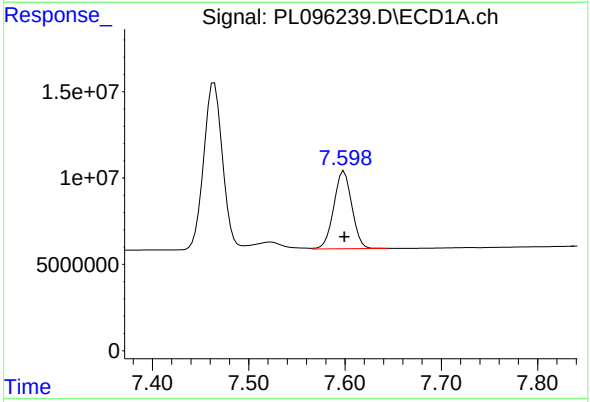
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



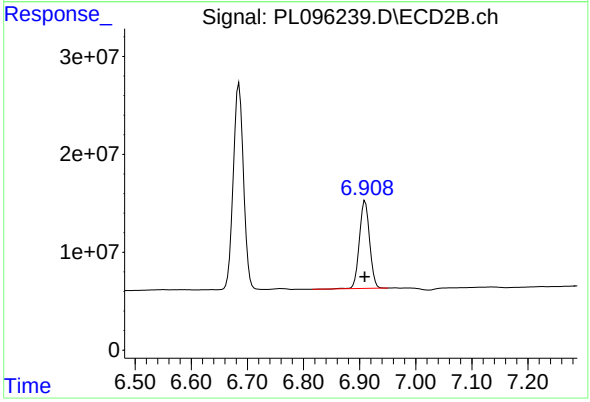
#20 Methoxychlor

R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 265510101
Conc: 87.40 ng/ml



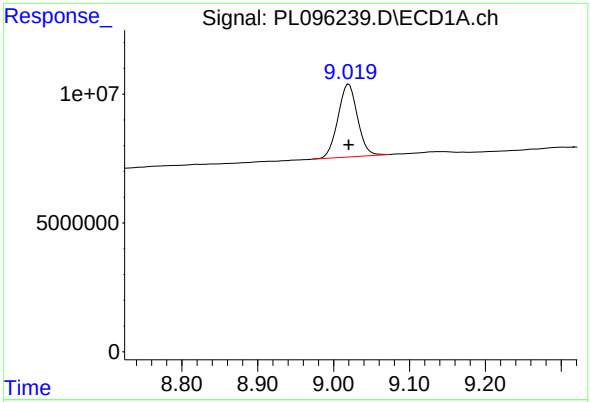
#21 Endrin ketone

R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 58507106
Conc: 17.72 ng/ml



#21 Endrin ketone

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 113810797
Conc: 18.20 ng/ml



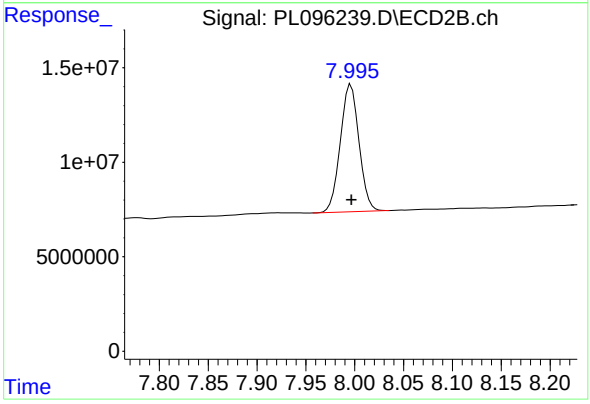
#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 50426233
Conc: 17.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



#28 Decachlorobiphenyl

R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 89762754
Conc: 18.00 ng/ml

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Fax : 908 789 8922

Analytical Sequence

Client: Nobis Group **SDG No.:** Q2638

Project: Raymark Superfund Site **Instrument ID:** ECD_L

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

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	07/07/2025	10:12	PL096237.D	9.02	3.54
PEM	PEM	07/07/2025	10:26	PL096238.D	9.02	3.54
RESCHK	RESCHK	07/07/2025	10:40	PL096239.D	9.02	3.54
PSTDICC100	PSTDICC100	07/07/2025	10:53	PL096240.D	9.02	3.54
PSTDICC075	PSTDICC075	07/07/2025	11:09	PL096241.D	9.02	3.54
PSTDICC050	PSTDICC050	07/07/2025	11:22	PL096242.D	9.02	3.54
PSTDICC025	PSTDICC025	07/07/2025	11:36	PL096243.D	9.02	3.54
PSTDICC005	PSTDICC005	07/07/2025	11:49	PL096244.D	9.02	3.54
PCHLORICC500	PCHLORICC500	07/07/2025	12:30	PL096247.D	9.02	3.54
PTOXICC500	PTOXICC500	07/07/2025	13:39	PL096252.D	9.02	3.54
I.BLK	I.BLK	07/21/2025	11:50	PL096479.D	9.02	3.54
PEM	PEM	07/21/2025	12:30	PL096480.D	9.02	3.54
PSTDCCC050	PSTDCCC050	07/21/2025	12:44	PL096481.D	9.02	3.54
PB168928BL	PB168928BL	07/21/2025	12:57	PL096482.D	9.02	3.54
PB168928BS	PB168928BS	07/21/2025	13:11	PL096483.D	9.02	3.54
RT2286MS	Q2635-01MS	07/21/2025	14:05	PL096485.D	9.02	3.53
RT2286MSD	Q2635-01MSD	07/21/2025	14:19	PL096486.D	9.02	3.53
I.BLK	I.BLK	07/21/2025	15:40	PL096492.D	9.02	3.54
PSTDCCC050	PSTDCCC050	07/21/2025	16:08	PL096493.D	9.02	3.54
OU4-TS-31-071725	Q2638-01	07/21/2025	16:53	PL096494.D	9.02	3.54
OU4-TS-33-071725	Q2638-05	07/21/2025	17:20	PL096496.D	9.02	3.54
OU4-TS-34-071725	Q2638-07	07/21/2025	17:34	PL096497.D	9.02	3.54
OU4-TS-35-071725	Q2638-09	07/21/2025	17:47	PL096498.D	9.02	3.54
OU4-TS-36-071725	Q2638-11	07/21/2025	18:01	PL096499.D	9.02	3.54
OU4-TS-37-071725	Q2638-13	07/21/2025	18:15	PL096500.D	9.02	3.54
I.BLK	I.BLK	07/21/2025	18:42	PL096501.D	9.02	3.54
PSTDCCC050	PSTDCCC050	07/21/2025	21:12	PL096502.D	9.02	3.54
I.BLK	I.BLK	07/22/2025	09:48	PL096504.D	9.02	3.54
PEM	PEM	07/22/2025	10:02	PL096505.D	9.02	3.54
PSTDCCC050	PSTDCCC050	07/22/2025	11:43	PL096506.D	9.02	3.53
OU4-TS-31-071725RE	Q2638-01RE	07/22/2025	12:40	PL096507.D	9.02	3.54
OU4-TS-32-071725	Q2638-03	07/22/2025	12:54	PL096508.D	9.02	3.53
OU4-TS-33-071725RE	Q2638-05RE	07/22/2025	13:07	PL096509.D	9.02	3.54
OU4-TS-34-071725RE	Q2638-07RE	07/22/2025	13:21	PL096510.D	9.02	3.54
I.BLK	I.BLK	07/22/2025	13:35	PL096511.D	9.02	3.54
PSTDCCC050	PSTDCCC050	07/22/2025	13:48	PL096512.D	9.02	3.54

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q2638

Project: Raymark Superfund Site **Instrument ID:** ECD_L

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

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	07/07/2025	10:12	PL096237.D	8.00	2.83
PEM	PEM	07/07/2025	10:26	PL096238.D	8.00	2.83
RESCHK	RESCHK	07/07/2025	10:40	PL096239.D	8.00	2.83
PSTDICC100	PSTDICC100	07/07/2025	10:53	PL096240.D	8.00	2.83
PSTDICC075	PSTDICC075	07/07/2025	11:09	PL096241.D	8.00	2.83
PSTDICC050	PSTDICC050	07/07/2025	11:22	PL096242.D	8.00	2.83
PSTDICC025	PSTDICC025	07/07/2025	11:36	PL096243.D	8.00	2.83
PSTDICC005	PSTDICC005	07/07/2025	11:49	PL096244.D	8.00	2.83
PCHLORICC500	PCHLORICC500	07/07/2025	12:30	PL096247.D	8.00	2.83
PTOXICC500	PTOXICC500	07/07/2025	13:39	PL096252.D	8.00	2.83
I.BLK	I.BLK	07/21/2025	11:50	PL096479.D	7.99	2.83
PEM	PEM	07/21/2025	12:30	PL096480.D	7.99	2.83
PSTDCCC050	PSTDCCC050	07/21/2025	12:44	PL096481.D	7.99	2.83
PB168928BL	PB168928BL	07/21/2025	12:57	PL096482.D	7.99	2.83
PB168928BS	PB168928BS	07/21/2025	13:11	PL096483.D	7.99	2.83
RT2286MS	Q2635-01MS	07/21/2025	14:05	PL096485.D	7.99	2.83
RT2286MSD	Q2635-01MSD	07/21/2025	14:19	PL096486.D	7.99	2.83
I.BLK	I.BLK	07/21/2025	15:40	PL096492.D	7.99	2.83
PSTDCCC050	PSTDCCC050	07/21/2025	16:08	PL096493.D	8.00	2.83
OU4-TS-31-071725	Q2638-01	07/21/2025	16:53	PL096494.D	7.99	2.83
OU4-TS-33-071725	Q2638-05	07/21/2025	17:20	PL096496.D	7.99	2.83
OU4-TS-34-071725	Q2638-07	07/21/2025	17:34	PL096497.D	7.99	2.83
OU4-TS-35-071725	Q2638-09	07/21/2025	17:47	PL096498.D	7.99	2.83
OU4-TS-36-071725	Q2638-11	07/21/2025	18:01	PL096499.D	7.99	2.83
OU4-TS-37-071725	Q2638-13	07/21/2025	18:15	PL096500.D	7.99	2.83
I.BLK	I.BLK	07/21/2025	18:42	PL096501.D	7.99	2.83
PSTDCCC050	PSTDCCC050	07/21/2025	21:12	PL096502.D	7.99	2.83
I.BLK	I.BLK	07/22/2025	09:48	PL096504.D	7.99	2.83
PEM	PEM	07/22/2025	10:02	PL096505.D	7.99	2.83
PSTDCCC050	PSTDCCC050	07/22/2025	11:43	PL096506.D	7.99	2.83
OU4-TS-31-071725RE	Q2638-01RE	07/22/2025	12:40	PL096507.D	7.99	2.82
OU4-TS-32-071725	Q2638-03	07/22/2025	12:54	PL096508.D	7.99	2.83
OU4-TS-33-071725RE	Q2638-05RE	07/22/2025	13:07	PL096509.D	7.99	2.83
OU4-TS-34-071725RE	Q2638-07RE	07/22/2025	13:21	PL096510.D	7.99	2.83
I.BLK	I.BLK	07/22/2025	13:35	PL096511.D	7.99	2.83
PSTDCCC050	PSTDCCC050	07/22/2025	13:48	PL096512.D	7.99	2.83

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-31-071725

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Lab Sample ID: Q2638-01 **Date(s) Analyzed:** 07/21/2025 07/21/2025

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
gamma-Chlordane	1	5.92	5.87	5.97	0.65	64
	2	5.05	5.00	5.10	0.34	
alpha-Chlordane	1	6.00	5.95	6.05	1.10	47.7
	2	5.12	5.07	5.17	0.68	
4,4'-DDE	1	6.17	6.12	6.22	0.64	2.3
	2	5.30	5.25	5.35	0.63	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-31-071725RE

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Lab Sample ID: Q2638-01RE **Date(s) Analyzed:** 07/22/2025 07/22/2025

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
gamma-Chlordane	1	5.92	5.87	5.97	0.62	76.8
	2	5.05	5.00	5.10	0.28	
alpha-Chlordane	1	6.00	5.95	6.05	1.10	39.8
	2	5.11	5.06	5.16	0.73	
4,4'-DDE	1	6.17	6.12	6.22	0.65	4.6
	2	5.30	5.25	5.35	0.62	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-32-071725

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Lab Sample ID: Q2638-03 **Date(s) Analyzed:** 07/22/2025 07/22/2025

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
gamma-Chlordane	1	5.91	5.86	5.96	1.10	16.7
	2	5.05	5.00	5.10	1.30	
alpha-Chlordane	1	6.00	5.95	6.05	1.80	48.3
	2	5.11	5.06	5.16	1.10	
4,4'-DDE	1	6.16	6.11	6.21	0.88	11.7
	2	5.30	5.25	5.35	0.78	
Dieldrin	1	6.32	6.27	6.37	0.34	78.7
	2	5.43	5.38	5.48	0.79	
Endrin	1	6.55	6.50	6.60	0.44	172.8
	2	5.72	5.67	5.77	6.10	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-33-071725

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Lab Sample ID: Q2638-05 **Date(s) Analyzed:** 07/21/2025 07/21/2025

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
gamma-Chlordane	1	5.92	5.87	5.97	0.75	103.7
	2	5.05	5.00	5.10	0.24	
alpha-Chlordane	1	6.00	5.95	6.05	1.20	59.6
	2	5.12	5.07	5.17	0.65	
4,4'-DDE	1	6.17	6.12	6.22	0.71	14
	2	5.31	5.26	5.36	0.62	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-33-071725RE

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Lab Sample ID: Q2638-05RE **Date(s) Analyzed:** 07/22/2025 07/22/2025

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
gamma-Chlordane	1	5.91	5.86	5.96	0.61	87.8
	2	5.05	5.00	5.10	0.24	
alpha-Chlordane	1	6.00	5.95	6.05	1.10	46.5
	2	5.11	5.06	5.16	0.68	
4,4'-DDE	1	6.16	6.11	6.21	0.68	12
	2	5.30	5.25	5.35	0.60	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-34-071725

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Lab Sample ID: Q2638-07 **Date(s) Analyzed:** 07/21/2025 07/21/2025

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
gamma-Chlordane	1	5.92	5.87	5.97	0.67	75.4
	2	5.05	5.00	5.10	0.30	
alpha-Chlordane	1	6.00	5.95	6.05	1.10	44.6
	2	5.11	5.06	5.16	0.70	
4,4'-DDE	1	6.17	6.12	6.22	0.69	11.1
	2	5.30	5.25	5.35	0.62	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-34-071725RE

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Lab Sample ID: Q2638-07RE **Date(s) Analyzed:** 07/22/2025 07/22/2025

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
gamma-Chlordane	1	5.92	5.87	5.97	0.57	63.7
	2	5.05	5.00	5.10	0.30	
alpha-Chlordane	1	6.00	5.95	6.05	1.10	34.4
	2	5.11	5.06	5.16	0.78	
4,4'-DDE	1	6.17	6.12	6.22	0.67	7.5
	2	5.30	5.25	5.35	0.62	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-35-071725

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Lab Sample ID: Q2638-09 **Date(s) Analyzed:** 07/21/2025 07/21/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.68	6.63	6.73	3.40	89.4
	2	5.86	5.81	5.91	1.30	
4,4'-DDT	1	6.99	6.94	7.04	1.50	18.2
	2	6.11	6.06	6.16	1.80	
gamma-Chlordane	1	5.92	5.87	5.97	0.71	34.9
	2	5.05	5.00	5.10	0.50	
alpha-Chlordane	1	6.00	5.95	6.05	0.91	41.9
	2	5.11	5.06	5.16	0.59	
4,4'-DDE	1	6.17	6.12	6.22	0.43	31.7
	2	5.31	5.26	5.36	0.59	
Dieldrin	1	6.32	6.27	6.37	0.36	133.4
	2	5.44	5.39	5.49	1.80	
Endrin	1	6.55	6.50	6.60	0.49	44.4
	2	5.72	5.67	5.77	0.31	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-36-071725

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Lab Sample ID: Q2638-11 **Date(s) Analyzed:** 07/21/2025 07/21/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.67	6.62	6.72	3.10	81.8
	2	5.86	5.81	5.91	1.30	
4,4'-DDT	1	6.99	6.94	7.04	1.40	0
	2	6.11	6.06	6.16	1.40	
gamma-Chlordane	1	5.92	5.87	5.97	0.44	10.7
	2	5.05	5.00	5.10	0.39	
alpha-Chlordane	1	6.00	5.95	6.05	0.91	67.9
	2	5.11	5.06	5.16	0.45	
4,4'-DDE	1	6.17	6.12	6.22	0.42	24.7
	2	5.30	5.25	5.35	0.54	
Dieldrin	1	6.32	6.27	6.37	0.57	95.1
	2	5.44	5.39	5.49	1.60	
Endrin	1	6.55	6.50	6.60	0.41	4.1
	2	5.72	5.67	5.77	0.39	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-37-071725

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Lab Sample ID: Q2638-13 **Date(s) Analyzed:** 07/21/2025 07/21/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.67	6.62	6.72	3.70	90.2
	2	5.86	5.81	5.91	1.40	
4,4'-DDT	1	6.99	6.94	7.04	1.90	5.4
	2	6.11	6.06	6.16	1.80	
gamma-Chlordane	1	5.92	5.87	5.97	0.69	27
	2	5.05	5.00	5.10	0.53	
alpha-Chlordane	1	6.00	5.95	6.05	0.96	60.7
	2	5.11	5.06	5.16	0.51	
4,4'-DDE	1	6.17	6.12	6.22	0.50	20.1
	2	5.30	5.25	5.35	0.61	
Dieldrin	1	6.32	6.27	6.37	0.34	139.8
	2	5.44	5.39	5.49	1.90	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168928BS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Lab Sample ID: PB168928BS **Date(s) Analyzed:** 07/21/2025 07/21/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.68	6.63	6.73	18.4	11.8
	2	5.86	5.81	5.91	20.7	
4,4'-DDE	1	6.17	6.12	6.22	17.3	7.8
	2	5.31	5.26	5.36	18.7	
4,4'-DDT	1	6.99	6.94	7.04	16.1	1.8
	2	6.11	6.06	6.16	16.4	
alpha-BHC	1	3.98	3.93	4.03	17.6	9.2
	2	3.33	3.28	3.38	19.3	
Aldrin	1	5.25	5.20	5.30	17.1	10.5
	2	4.30	4.25	4.35	19.0	
alpha-Chlordane	1	6.00	5.95	6.05	17.1	0.6
	2	5.12	5.07	5.17	17.0	
Endosulfan II	1	6.76	6.71	6.81	18.1	2.7
	2	6.00	5.95	6.05	18.6	
Endosulfan sulfate	1	7.12	7.07	7.17	17.7	7.1
	2	6.40	6.35	6.45	19.0	
beta-BHC	1	4.50	4.45	4.55	17.4	4.5
	2	3.96	3.91	4.01	18.2	
delta-BHC	1	4.75	4.70	4.80	18.0	5.4
	2	4.20	4.15	4.25	19.0	
Endosulfan I	1	6.05	6.00	6.10	17.2	6
	2	5.17	5.12	5.22	16.2	
Dieldrin	1	6.32	6.27	6.37	17.2	8.9
	2	5.44	5.39	5.49	18.8	
Endrin aldehyde	1	6.89	6.84	6.94	20.7	8.6
	2	6.18	6.13	6.23	19.0	
Methoxychlor	1	7.47	7.42	7.52	15.4	5.1
	2	6.68	6.63	6.73	16.2	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168928BS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Lab Sample ID: PB168928BS **Date(s) Analyzed:** 07/21/2025 07/21/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.60	7.55	7.65	17.9	6.5
	2	6.91	6.86	6.96	19.1	
gamma-BHC (Lindane)	1	4.31	4.26	4.36	17.2	10.5
	2	3.67	3.62	3.72	19.1	
Heptachlor	1	4.91	4.86	4.96	17.3	6.7
	2	4.02	3.97	4.07	18.5	
Heptachlor epoxide	1	5.66	5.61	5.71	18.7	0.5
	2	4.80	4.75	4.85	18.6	
gamma-Chlordane	1	5.92	5.87	5.97	17.2	8.4
	2	5.05	5.00	5.10	18.7	
Endrin	1	6.55	6.50	6.60	17.1	0
	2	5.71	5.66	5.76	17.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

RT2286MS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Lab Sample ID: Q2635-01MS **Date(s) Analyzed:** 07/21/2025 07/21/2025

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	6.76	6.71	6.81	19.4	13.8
	2	6.00	5.95	6.05	16.9	
4,4'-DDD	1	6.68	6.63	6.73	24.9	42.9
	2	5.86	5.81	5.91	16.1	
4,4'-DDT	1	6.99	6.94	7.04	19.3	0.5
	2	6.11	6.06	6.16	19.4	
Endrin aldehyde	1	6.89	6.84	6.94	23.0	18
	2	6.18	6.13	6.23	19.2	
Endosulfan sulfate	1	7.12	7.07	7.17	20.6	7.6
	2	6.40	6.35	6.45	19.1	
Methoxychlor	1	7.46	7.41	7.51	20.8	26.7
	2	6.68	6.63	6.73	15.9	
Endrin ketone	1	7.60	7.55	7.65	25.6	46.7
	2	6.91	6.86	6.96	15.9	
alpha-BHC	1	3.98	3.93	4.03	18.9	10
	2	3.33	3.28	3.38	17.1	
gamma-BHC (Lindane)	1	4.31	4.26	4.36	18.5	9.6
	2	3.66	3.61	3.71	16.8	
Heptachlor	1	4.90	4.85	4.95	18.9	10
	2	4.01	3.96	4.06	17.1	
Aldrin	1	5.24	5.19	5.29	19.0	8.2
	2	4.30	4.25	4.35	17.5	
beta-BHC	1	4.50	4.45	4.55	16.9	9.3
	2	3.96	3.91	4.01	15.4	
delta-BHC	1	4.74	4.69	4.79	18.2	9.2
	2	4.19	4.14	4.24	16.6	
Heptachlor epoxide	1	5.66	5.61	5.71	21.0	24
	2	4.80	4.75	4.85	16.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

RT2286MS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Lab Sample ID: Q2635-01MS **Date(s) Analyzed:** 07/21/2025 07/21/2025

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	6.05	6.00	6.10	18.9	31.9
	2	5.17	5.12	5.22	13.7	
gamma-Chlordane	1	5.92	5.87	5.97	19.0	12.3
	2	5.05	5.00	5.10	16.8	
alpha-Chlordane	1	6.00	5.95	6.05	18.4	21.7
	2	5.12	5.07	5.17	14.8	
4,4'-DDE	1	6.17	6.12	6.22	17.2	10.4
	2	5.30	5.25	5.35	15.5	
Dieldrin	1	6.32	6.27	6.37	20.1	9.4
	2	5.44	5.39	5.49	18.3	
Endrin	1	6.54	6.49	6.59	21.0	21.6
	2	5.71	5.66	5.76	16.9	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

RT2286MSD

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Lab Sample ID: Q2635-01MSD **Date(s) Analyzed:** 07/21/2025 07/21/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.68	6.63	6.73	24.8	43.7
	2	5.86	5.81	5.91	15.9	
4,4'-DDT	1	6.99	6.94	7.04	19.9	4.6
	2	6.11	6.06	6.16	19.0	
alpha-BHC	1	3.98	3.93	4.03	18.9	9.4
	2	3.33	3.28	3.38	17.2	
Aldrin	1	5.24	5.19	5.29	18.8	7.2
	2	4.30	4.25	4.35	17.5	
beta-BHC	1	4.50	4.45	4.55	16.9	9.3
	2	3.96	3.91	4.01	15.4	
alpha-Chlordane	1	6.00	5.95	6.05	18.7	24
	2	5.12	5.07	5.17	14.7	
4,4'-DDE	1	6.17	6.12	6.22	17.1	11.1
	2	5.30	5.25	5.35	15.3	
Endosulfan II	1	6.76	6.71	6.81	19.3	14.4
	2	6.00	5.95	6.05	16.7	
Endrin aldehyde	1	6.89	6.84	6.94	22.6	17.8
	2	6.18	6.13	6.23	18.9	
Endosulfan sulfate	1	7.12	7.07	7.17	20.3	8.2
	2	6.40	6.35	6.45	18.7	
Methoxychlor	1	7.46	7.41	7.51	20.5	22.8
	2	6.68	6.63	6.73	16.3	
Endrin ketone	1	7.60	7.55	7.65	25.6	53.5
	2	6.91	6.86	6.96	14.8	
gamma-BHC (Lindane)	1	4.31	4.26	4.36	18.5	9
	2	3.67	3.62	3.72	16.9	
Heptachlor	1	4.90	4.85	4.95	18.8	9.5
	2	4.01	3.96	4.06	17.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

RT2286MSD

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2638

Lab Sample ID: Q2635-01MSD **Date(s) Analyzed:** 07/21/2025 07/21/2025

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
delta-BHC	1	4.74	4.69	4.79	18.2	9.2
	2	4.19	4.14	4.24	16.6	
Heptachlor epoxide	1	5.66	5.61	5.71	20.8	23.1
	2	4.80	4.75	4.85	16.5	
Endosulfan I	1	6.05	6.00	6.10	18.7	31.6
	2	5.17	5.12	5.22	13.6	
gamma-Chlordane	1	5.92	5.87	5.97	18.6	10.2
	2	5.05	5.00	5.10	16.8	
Dieldrin	1	6.32	6.27	6.37	19.7	9.6
	2	5.44	5.39	5.49	17.9	
Endrin	1	6.55	6.50	6.60	20.7	20.8
	2	5.71	5.66	5.76	16.8	

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168928BL	SDG No.:	Q2638
Lab Sample ID:	PB168928BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096482.D	1	07/21/25 08:30	07/21/25 12:57	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00033	U	0.00013	0.00033	0.0017	mg/Kg
319-85-7	beta-BHC	0.00083	U	0.00018	0.00083	0.0017	mg/Kg
319-86-8	delta-BHC	0.00083	U	0.00039	0.00083	0.0017	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00033	U	0.00014	0.00033	0.0017	mg/Kg
76-44-8	Heptachlor	0.00033	U	0.00012	0.00033	0.0017	mg/Kg
309-00-2	Aldrin	0.00033	U	0.00012	0.00033	0.0017	mg/Kg
1024-57-3	Heptachlor epoxide	0.00083	U	0.00019	0.00083	0.0017	mg/Kg
959-98-8	Endosulfan I	0.00033	U	0.00014	0.00033	0.0017	mg/Kg
60-57-1	Dieldrin	0.00033	U	0.00014	0.00033	0.0017	mg/Kg
72-55-9	4,4-DDE	0.00033	U	0.00014	0.00033	0.0017	mg/Kg
72-20-8	Endrin	0.00033	U	0.00014	0.00033	0.0017	mg/Kg
33213-65-9	Endosulfan II	0.00083	U	0.00029	0.00083	0.0017	mg/Kg
72-54-8	4,4-DDD	0.00033	U	0.00015	0.00033	0.0017	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00033	U	0.00013	0.00033	0.0017	mg/Kg
50-29-3	4,4-DDT	0.00033	U	0.00014	0.00033	0.0017	mg/Kg
72-43-5	Methoxychlor	0.00083	U	0.00037	0.00083	0.0017	mg/Kg
53494-70-5	Endrin ketone	0.00083	U	0.00019	0.00083	0.0017	mg/Kg
7421-93-4	Endrin aldehyde	0.00083	U	0.00037	0.00083	0.0017	mg/Kg
5103-71-9	alpha-Chlordane	0.00033	U	0.00012	0.00033	0.0017	mg/Kg
5103-74-2	gamma-Chlordane	0.00033	U	0.00015	0.00033	0.0017	mg/Kg
8001-35-2	Toxaphene	0.017	U	0.0054	0.017	0.033	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.0		55 - 130		105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		42 - 129		102%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168928BL	SDG No.:	Q2638
Lab Sample ID:	PB168928BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096482.D	1	07/21/25 08:30	07/21/25 12:57	PB168928

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\PL072125\
Data File : PL096482.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:57
Operator : AR\AJ
Sample : PB168928BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168928BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:44:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.827	67490709	117.7E6	18.496	20.386
28)	SA Decachlor...	9.018	7.993	54331062	104.6E6	19.314	20.975
	Target Compounds						

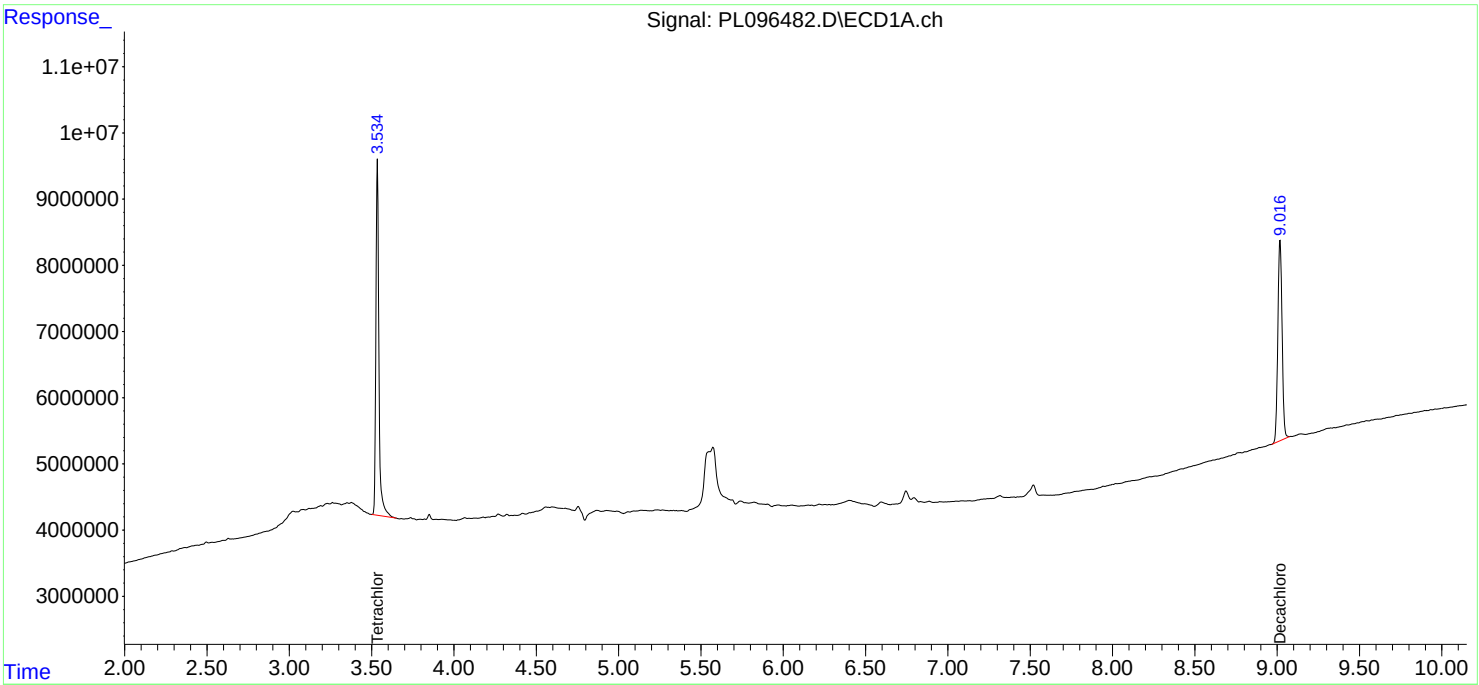
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

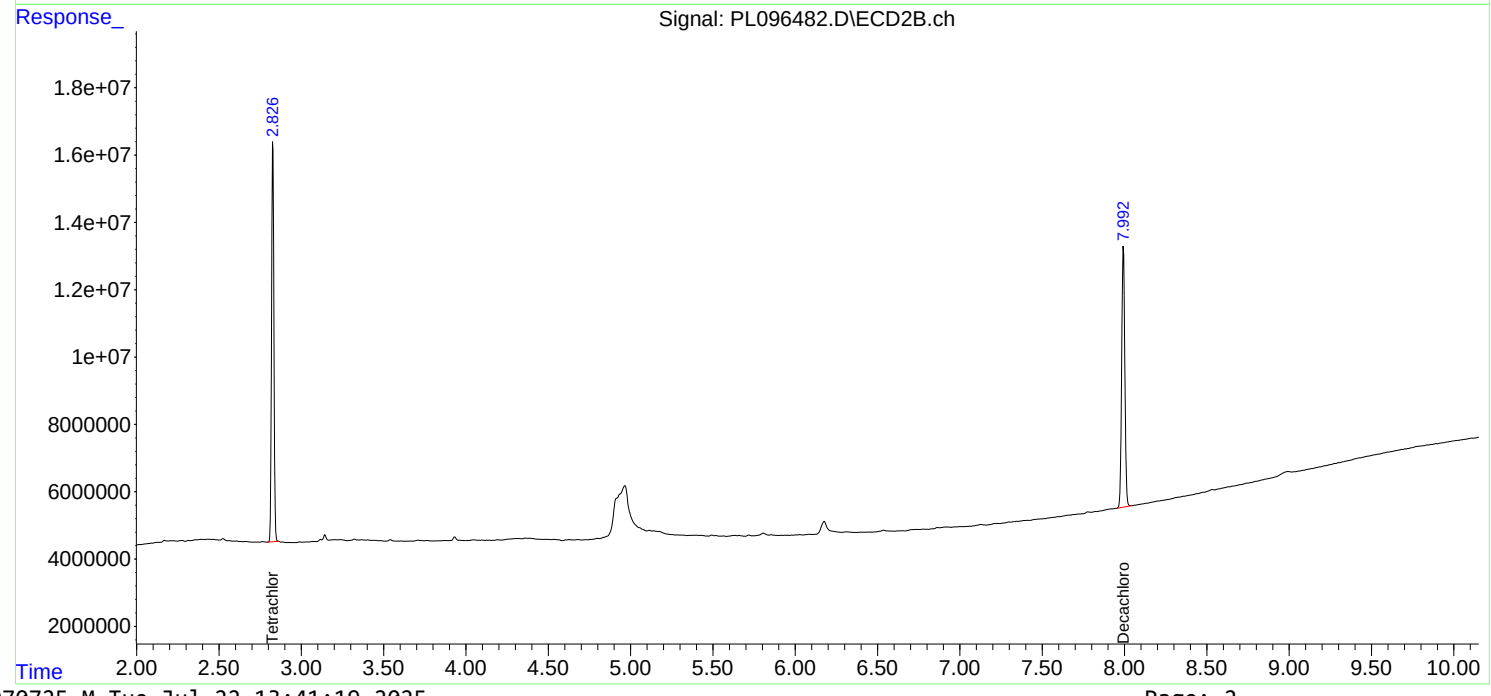
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096482.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:57
Operator : AR\AJ
Sample : PB168928BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

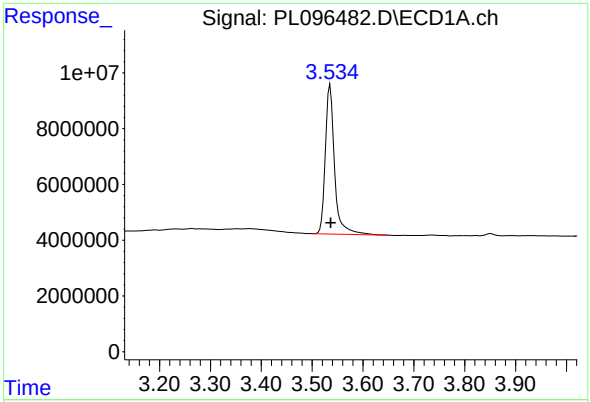
Instrument :
ECD_L
ClientSampleId :
PB168928BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:44:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



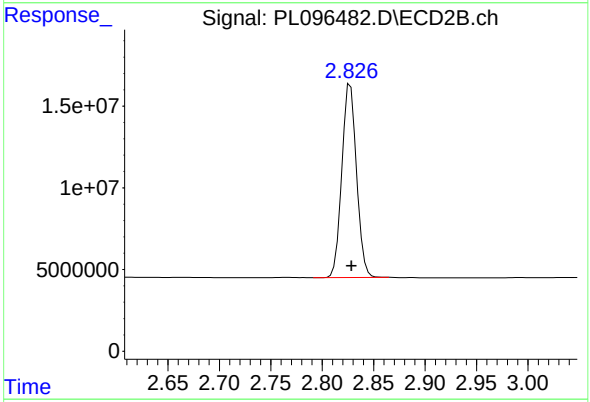




#1 Tetrachloro-m-xylene

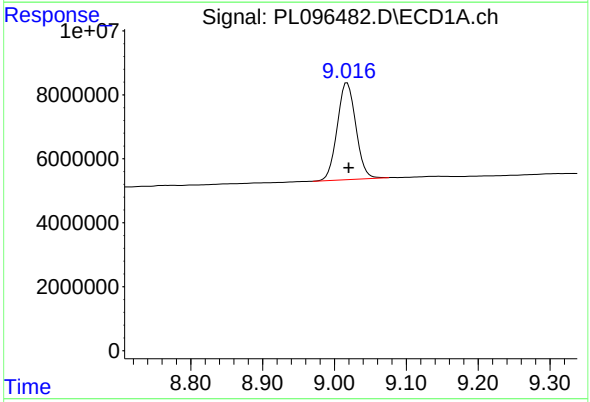
R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 67490709
Conc: 18.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BL



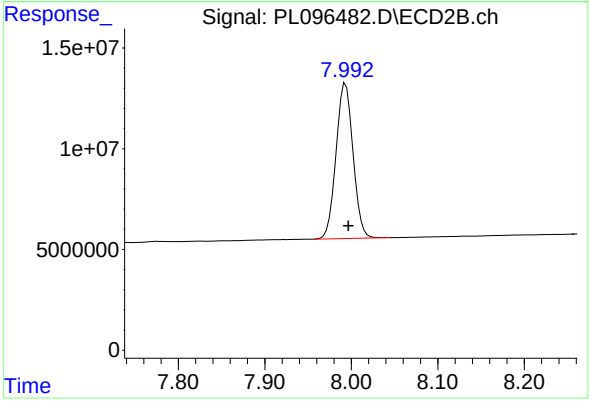
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.001 min
Response: 117650340
Conc: 20.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.018 min
Delta R.T.: -0.002 min
Response: 54331062
Conc: 19.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.003 min
Response: 104593469
Conc: 20.98 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/07/25
Project:	Raymark Superfund Site	Date Received:	07/07/25
Client Sample ID:	PIBLK-PL096237.D	SDG No.:	Q2638
Lab Sample ID:	I.BLK-PL096237.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096237.D	1		07/07/25	PL070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.1		30 - 135		100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		44 - 124		94%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/07/25
Project:	Raymark Superfund Site	Date Received:	07/07/25
Client Sample ID:	PIBLK-PL096237.D	SDG No.:	Q2638
Lab Sample ID:	I.BLK-PL096237.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096237.D	1		07/07/25	PL070725

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\PL070725\
Data File : PL096237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:27:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.829	65245651	109.0E6	17.881	18.891
28)	SA Decachlor...	9.020	7.997	54884459	100.0E6	19.511	20.056
	Target Compounds						

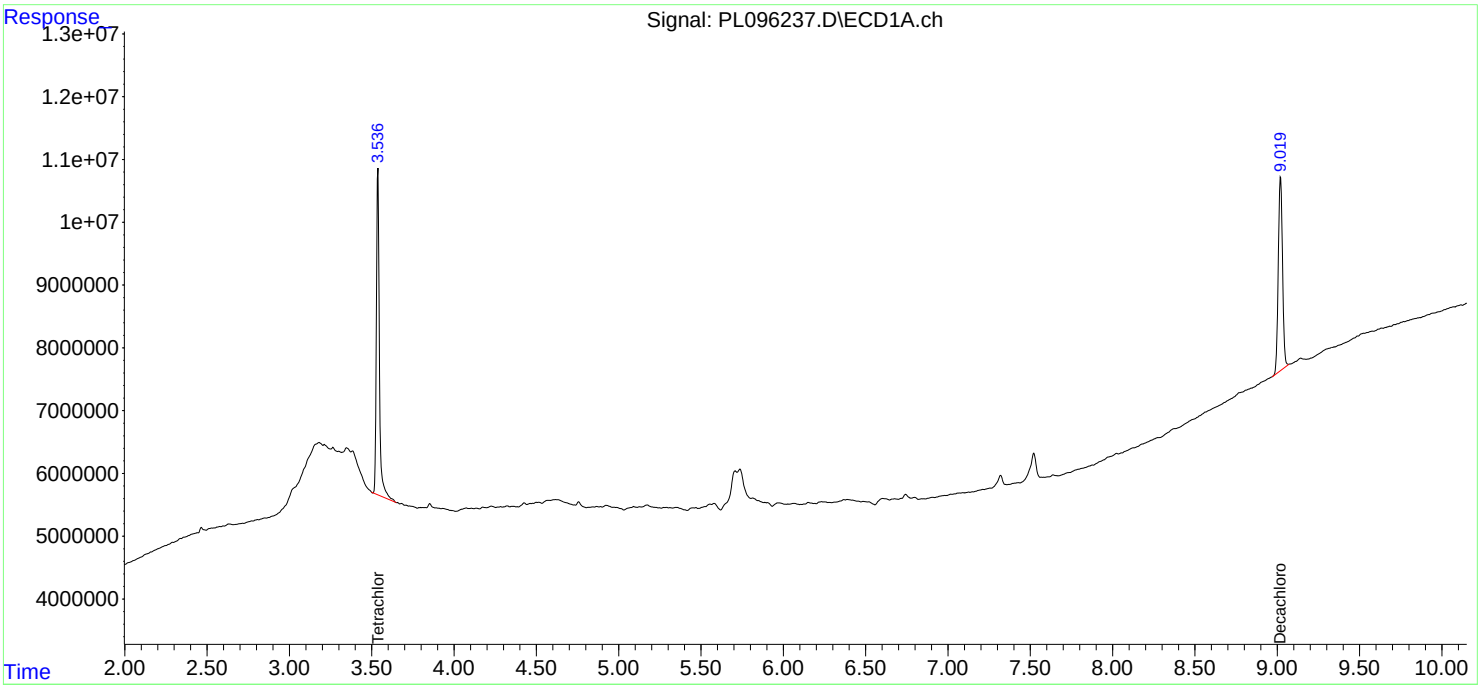
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

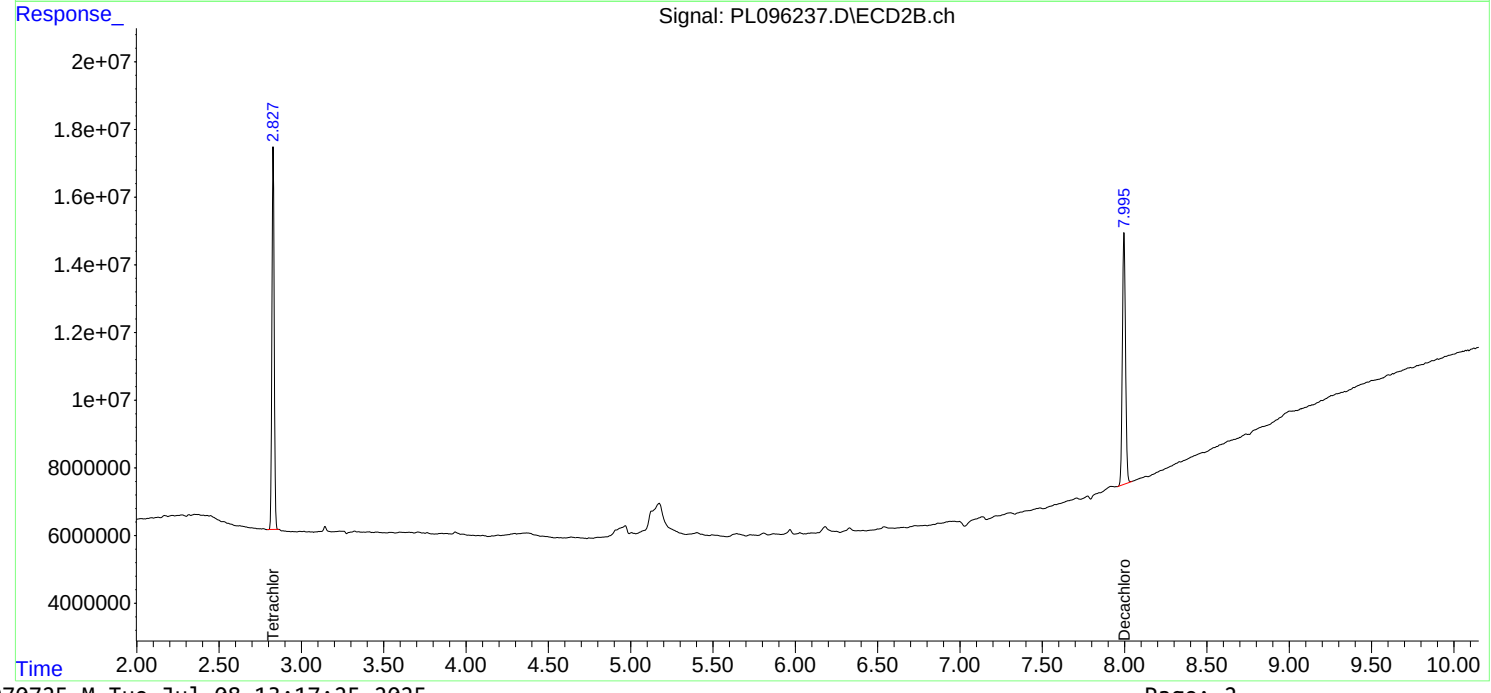
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

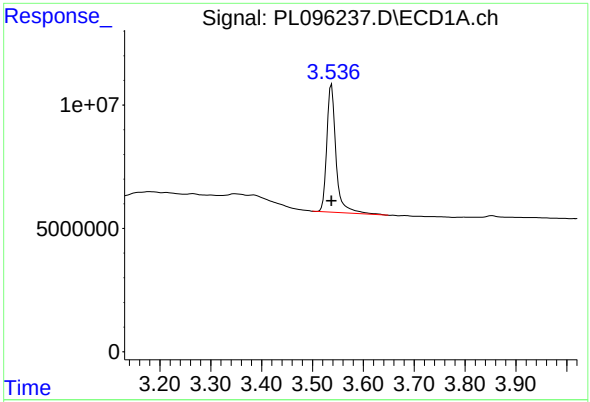
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:27:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



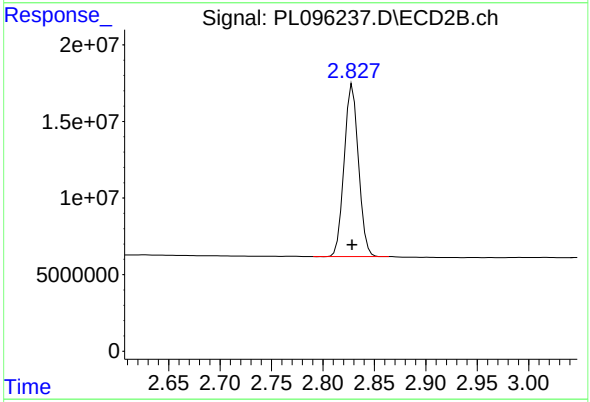




#1 Tetrachloro-m-xylene

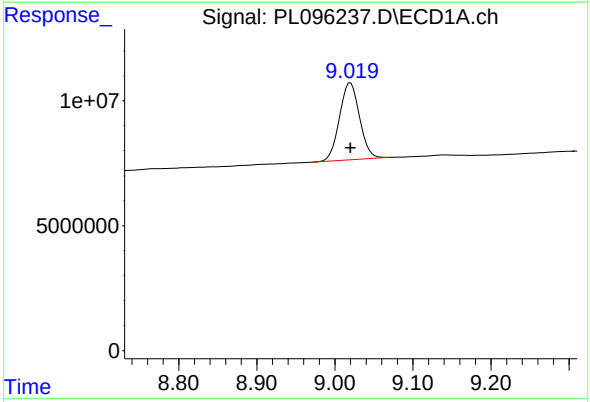
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 65245651
Conc: 17.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



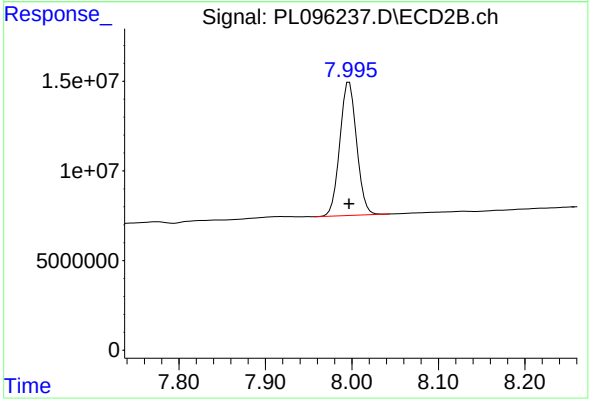
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 109023605
Conc: 18.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 54884459
Conc: 19.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.997 min
Delta R.T.: 0.000 min
Response: 100011029
Conc: 20.06 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/21/25
Project:	Raymark Superfund Site	Date Received:	07/21/25
Client Sample ID:	PIBLK-PL096479.D	SDG No.:	Q2638
Lab Sample ID:	I.BLK-PL096479.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096479.D	1		07/21/25	pl072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.1		30 - 135		111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.4		44 - 124		112%	SPK: 20

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/21/25
Project:	Raymark Superfund Site	Date Received:	07/21/25
Client Sample ID:	PIBLK-PL096479.D	SDG No.:	Q2638
Lab Sample ID:	I.BLK-PL096479.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096479.D	1		07/21/25	pl072125

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\PL072125\
Data File : PL096479.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 11:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:43:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.826	74869454	129.3E6	20.518	22.413
28)	SA Decachlor...	9.019	7.993	58975890	110.4E6	20.965	22.150
	Target Compounds						

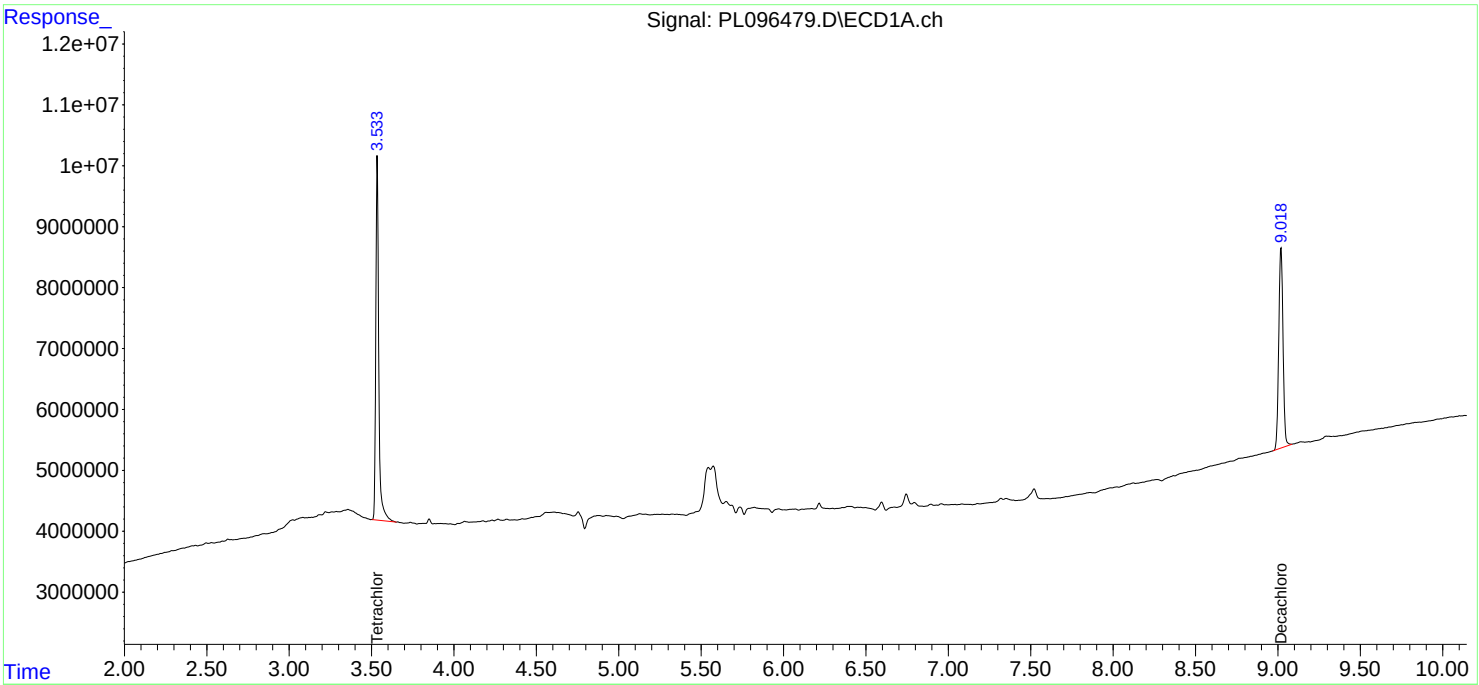
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

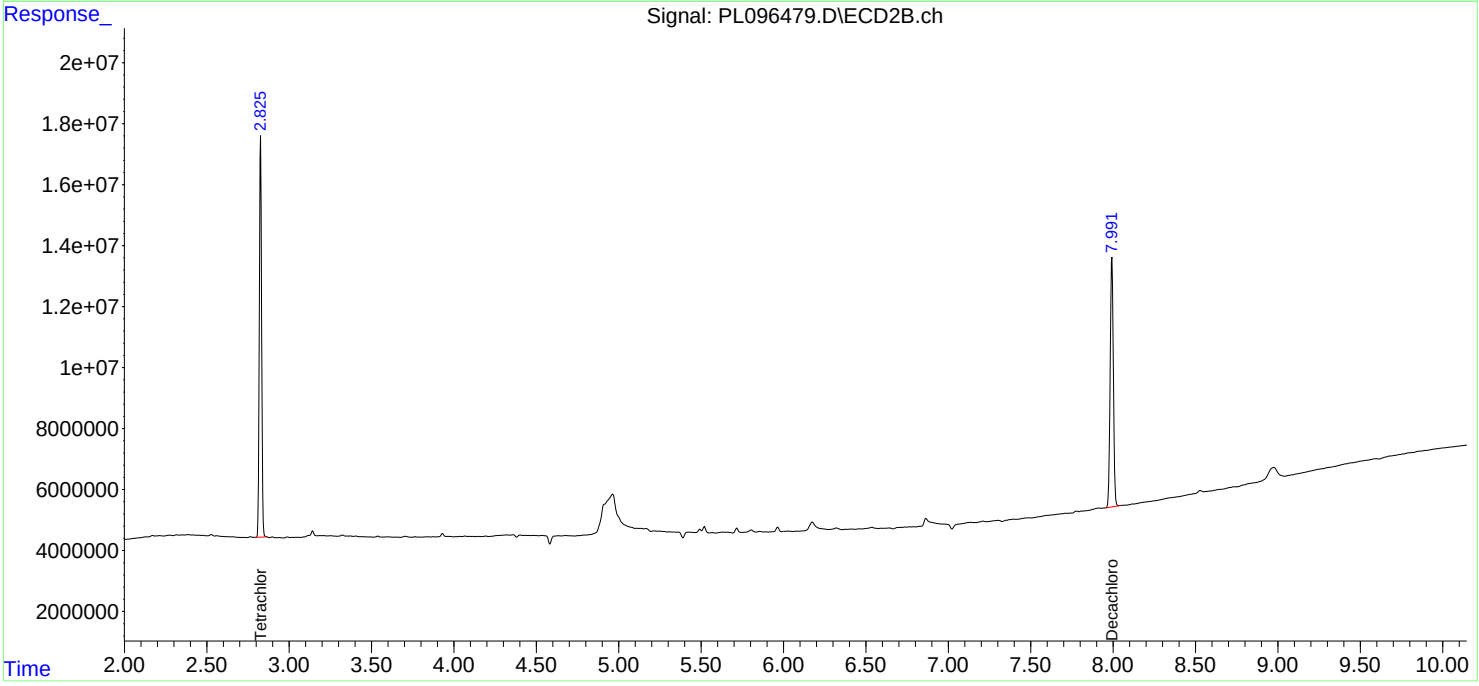
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096479.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 11:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

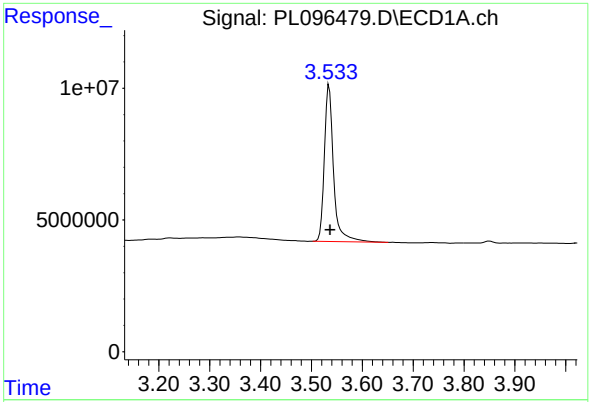
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:43:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



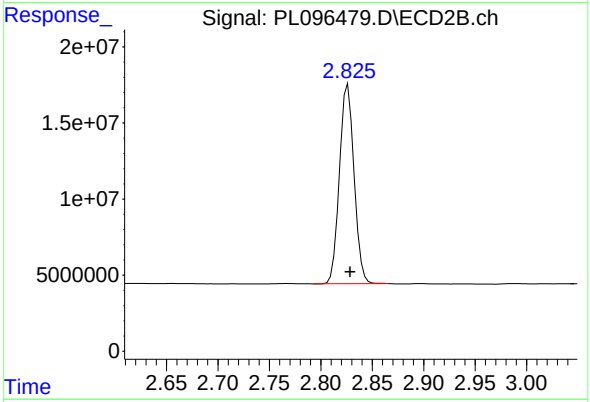




#1 Tetrachloro-m-xylene

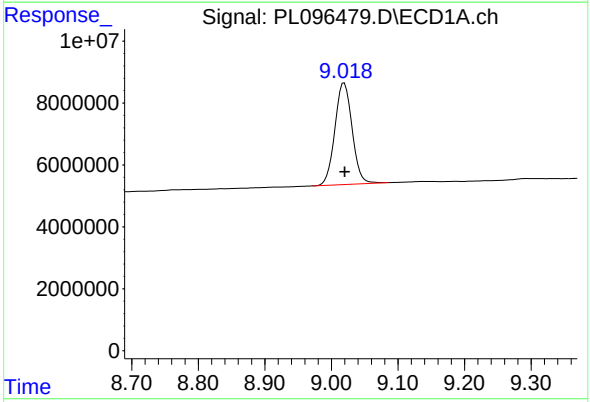
R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 74869454
Conc: 20.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



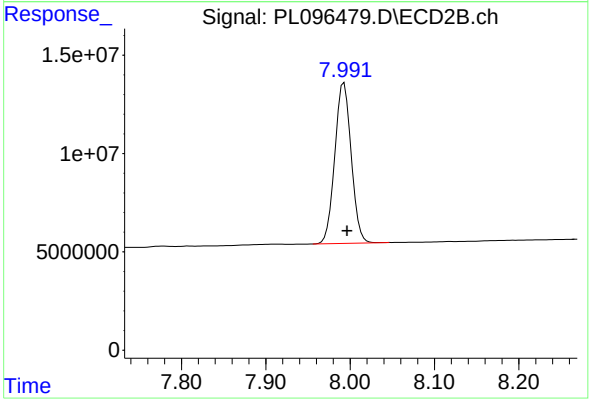
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 129348318
Conc: 22.41 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.019 min
Delta R.T.: 0.000 min
Response: 58975890
Conc: 20.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.004 min
Response: 110448912
Conc: 22.15 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/21/25
Project:	Raymark Superfund Site	Date Received:	07/21/25
Client Sample ID:	PIBLK-PL096492.D	SDG No.:	Q2638
Lab Sample ID:	I.BLK-PL096492.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096492.D	1		07/21/25	pl072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.3		30 - 135		102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.3		44 - 124		112%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/21/25
Project:	Raymark Superfund Site	Date Received:	07/21/25
Client Sample ID:	PIBLK-PL096492.D	SDG No.:	Q2638
Lab Sample ID:	I.BLK-PL096492.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096492.D	1		07/21/25	pl072125

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\PL072125\
Data File : PL096492.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:40
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:46:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.829	74975727	128.8E6	20.547	22.324
28)	SA Decachlor...	9.018	7.994	57160587	80808910	20.320	16.206
	Target Compounds						

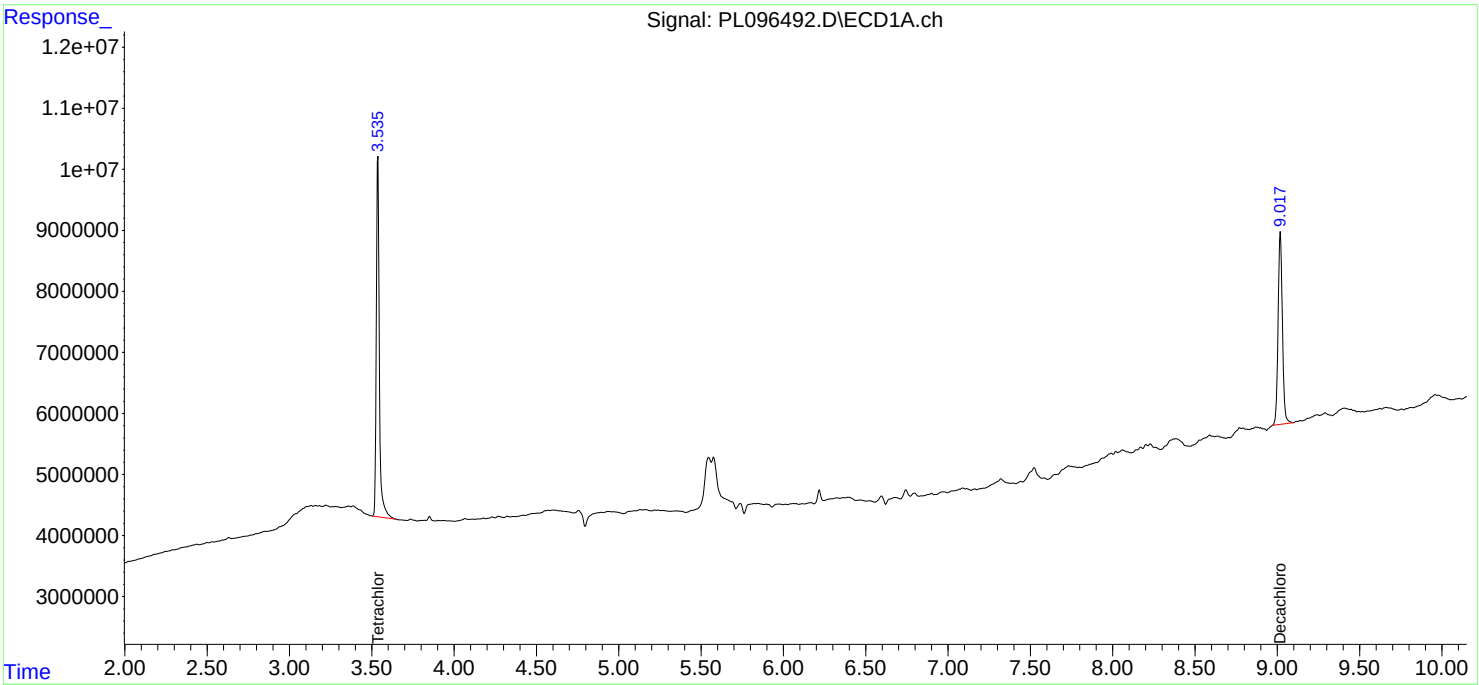
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

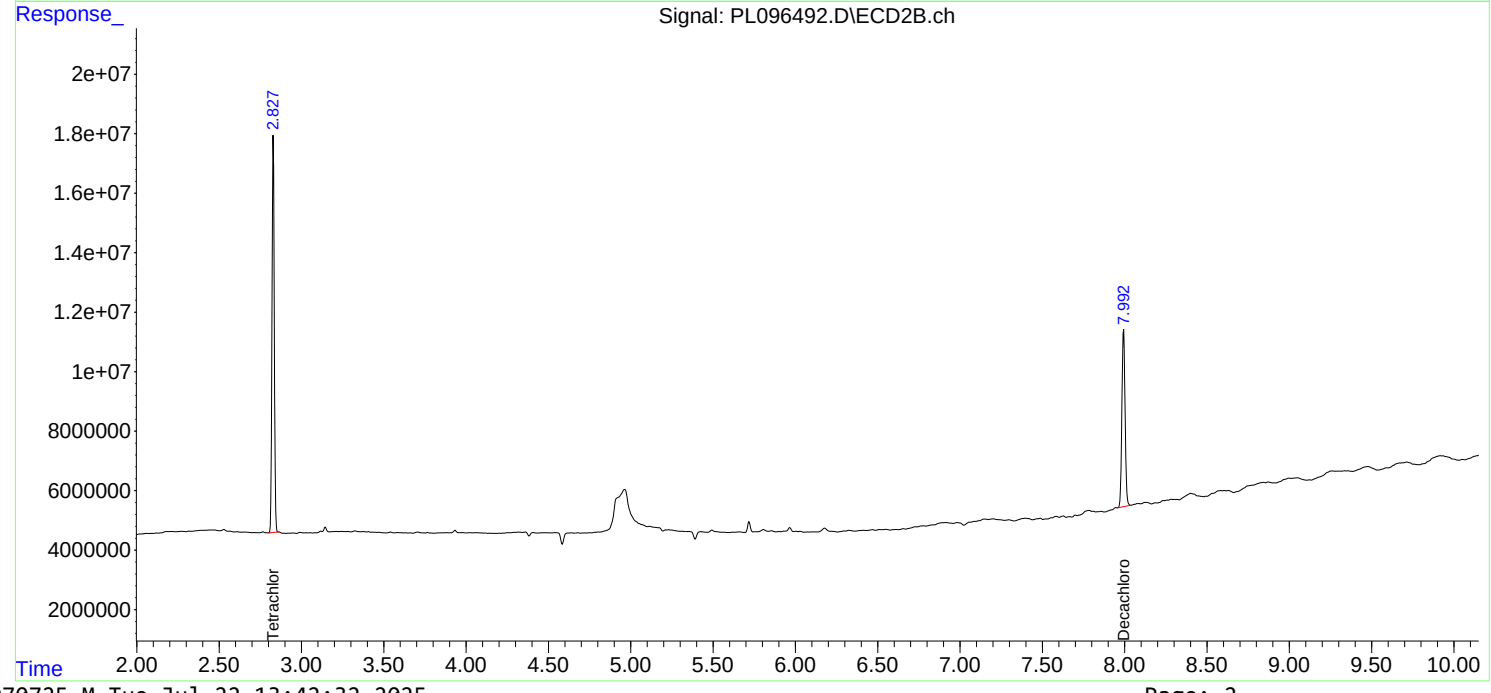
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096492.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:40
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

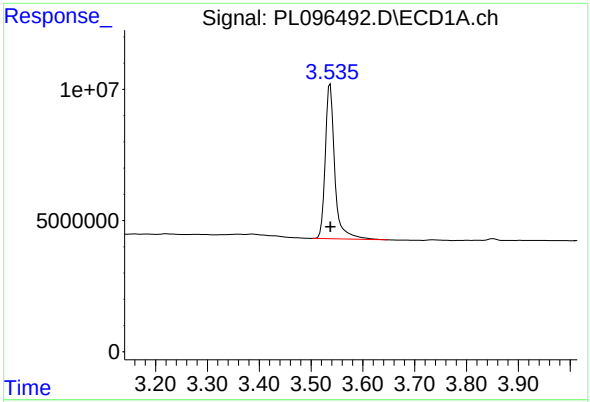
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:46:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



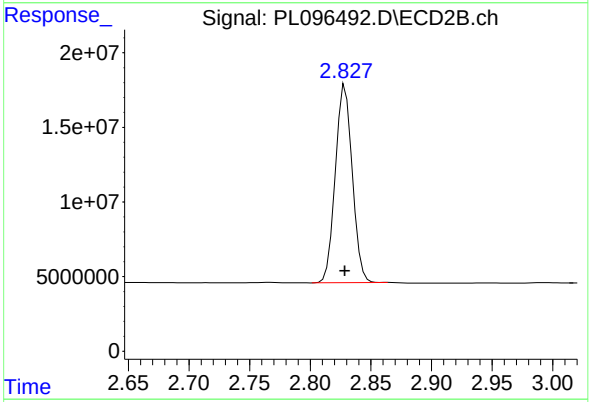




#1 Tetrachloro-m-xylene

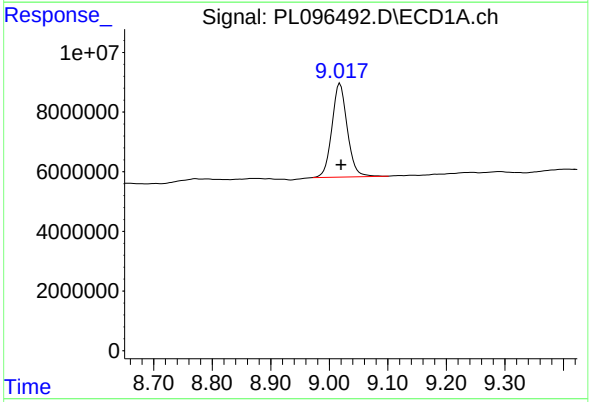
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 74975727
Conc: 20.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



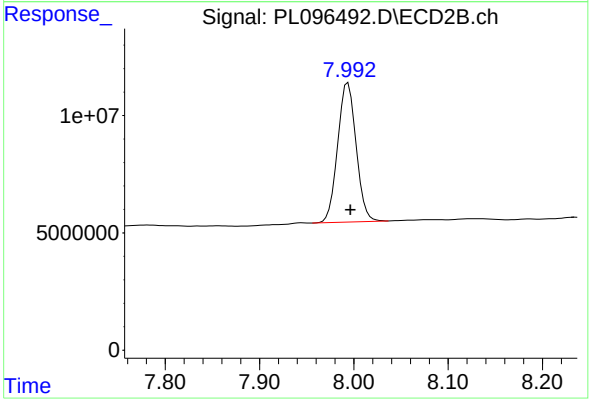
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 128835172
Conc: 22.32 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.018 min
Delta R.T.: -0.002 min
Response: 57160587
Conc: 20.32 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 80808910
Conc: 16.21 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/21/25
Project:	Raymark Superfund Site	Date Received:	07/21/25
Client Sample ID:	PIBLK-PL096501.D	SDG No.:	Q2638
Lab Sample ID:	I.BLK-PL096501.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096501.D	1		07/21/25	pl072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	19.4		30 - 135		97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.2		44 - 124		106%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/21/25
Project:	Raymark Superfund Site	Date Received:	07/21/25
Client Sample ID:	PIBLK-PL096501.D	SDG No.:	Q2638
Lab Sample ID:	I.BLK-PL096501.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096501.D	1		07/21/25	pl072125

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\PL072125\
Data File : PL096501.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 18:42
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: Jul 22 01:49:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.828	74795834	122.2E6	20.498	21.166
28)	SA Decachlor...	9.018	7.994	54549585	86712230	19.392	17.389
	Target Compounds						

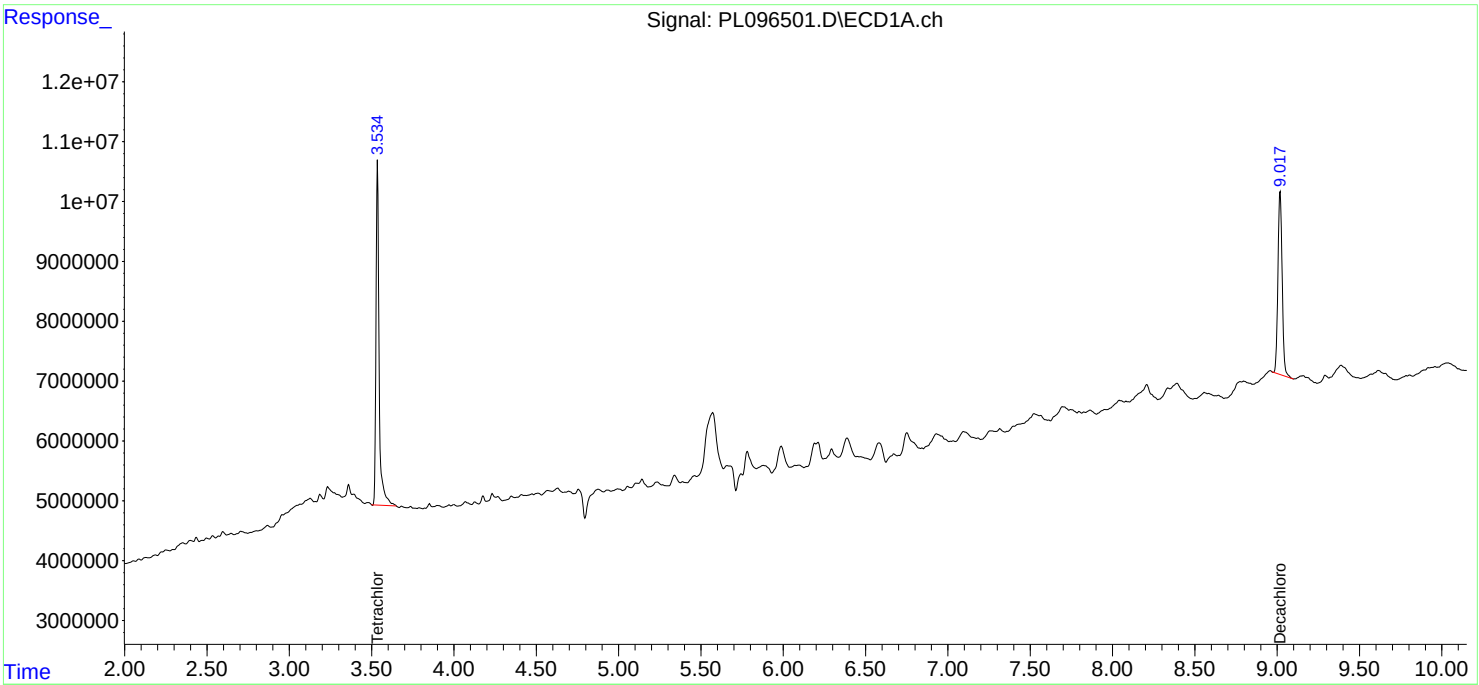
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

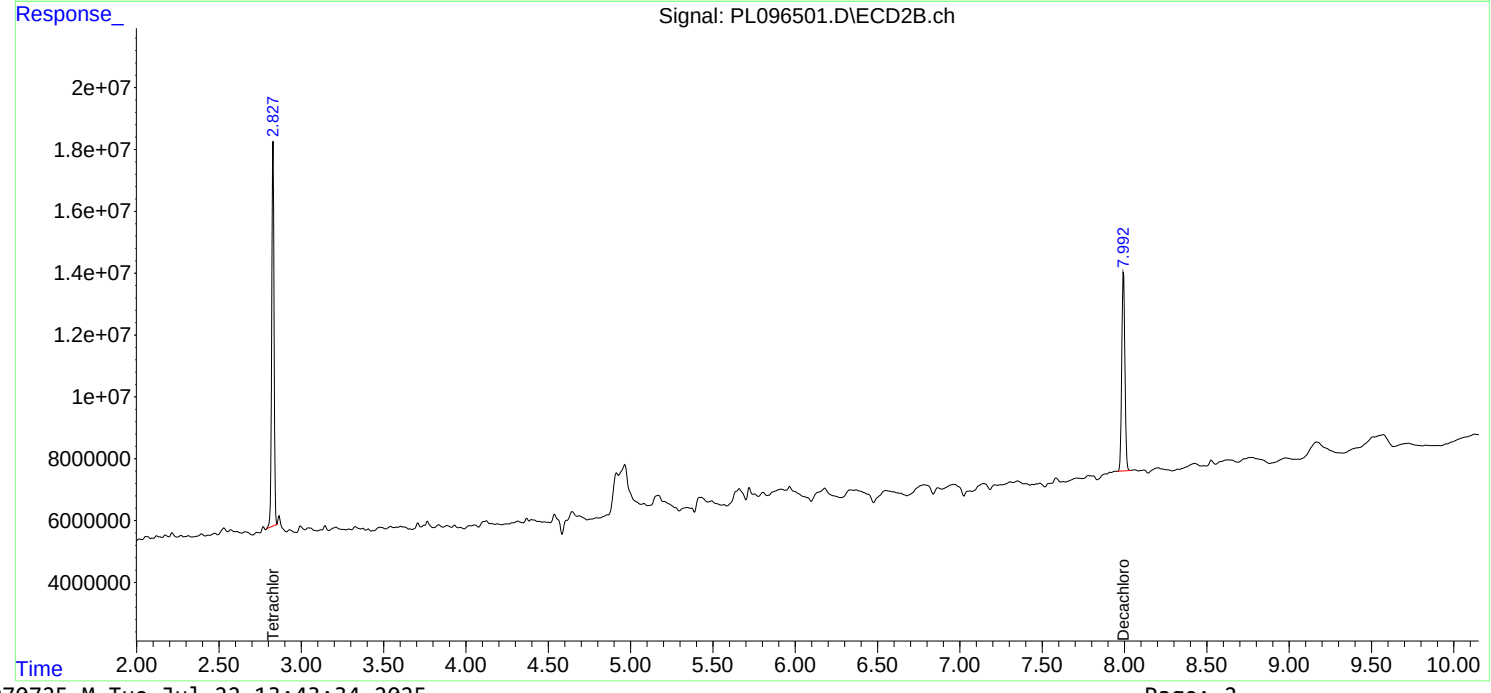
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096501.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 18:42
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

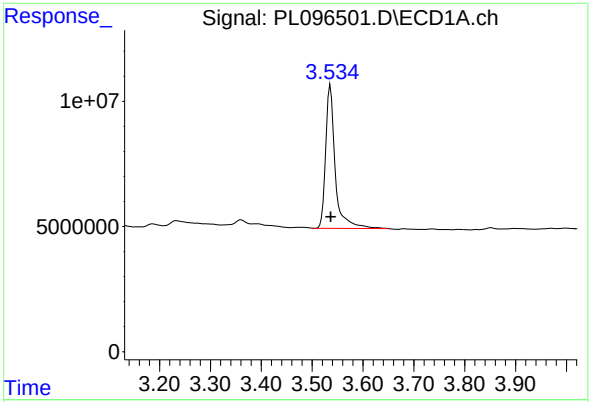
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:49:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



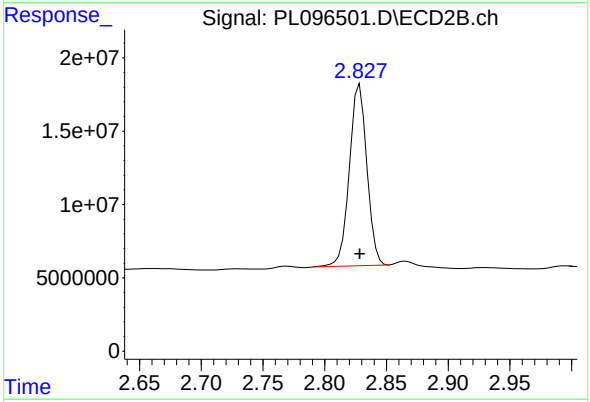




#1 Tetrachloro-m-xylene

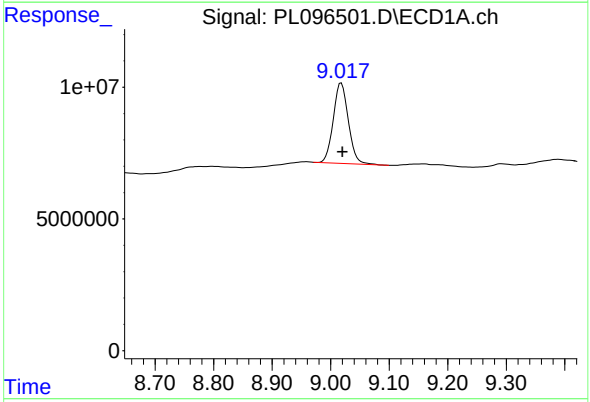
R.T.: 3.536 min
Delta R.T.: -0.001 min
Response: 74795834
Conc: 20.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



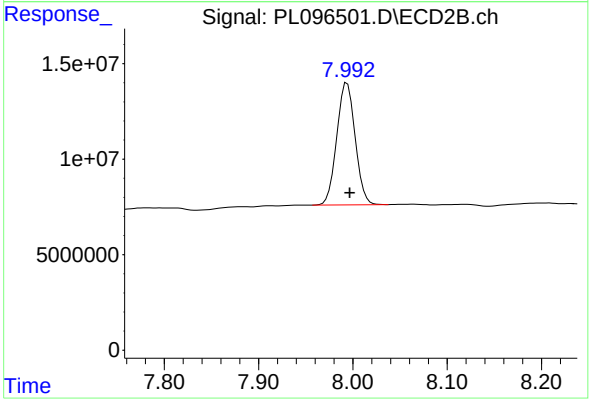
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 122153180
Conc: 21.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.018 min
Delta R.T.: -0.002 min
Response: 54549585
Conc: 19.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 86712230
Conc: 17.39 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:	07/22/25
Project:	Raymark Superfund Site	Date Received:	07/22/25
Client Sample ID:	PIBLK-PL096504.D	SDG No.:	Q2638
Lab Sample ID:	I.BLK-PL096504.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096504.D	1		07/22/25	PL072225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.8		30 - 135		104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		44 - 124		106%	SPK: 20

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/22/25
Project:	Raymark Superfund Site	Date Received:	07/22/25
Client Sample ID:	PIBLK-PL096504.D	SDG No.:	Q2638
Lab Sample ID:	I.BLK-PL096504.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096504.D	1		07/22/25	PL072225

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\PL072225\
Data File : PL096504.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 09:48
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:46:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.827	71839360	122.9E6	19.688	21.298
28)	SA Decachlor...	9.016	7.992	56209236	103.9E6	19.982	20.834
	Target Compounds						

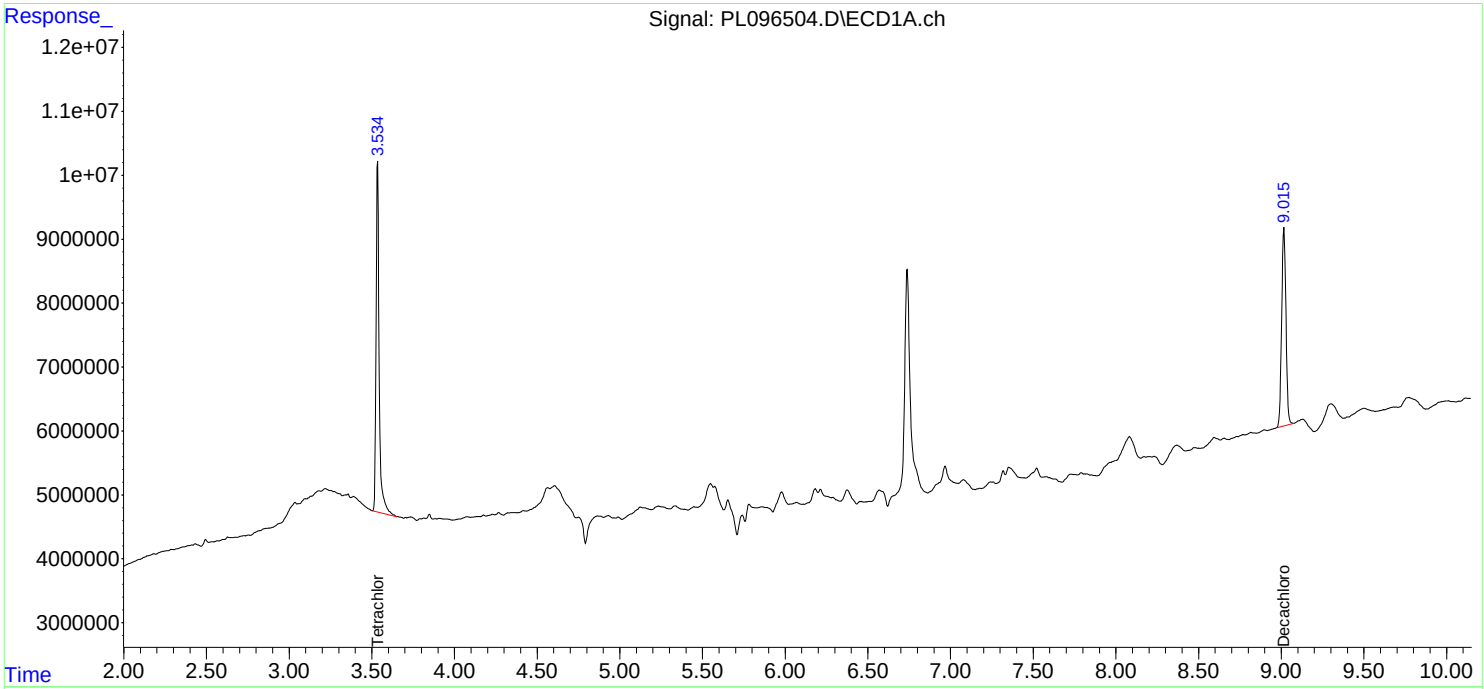
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

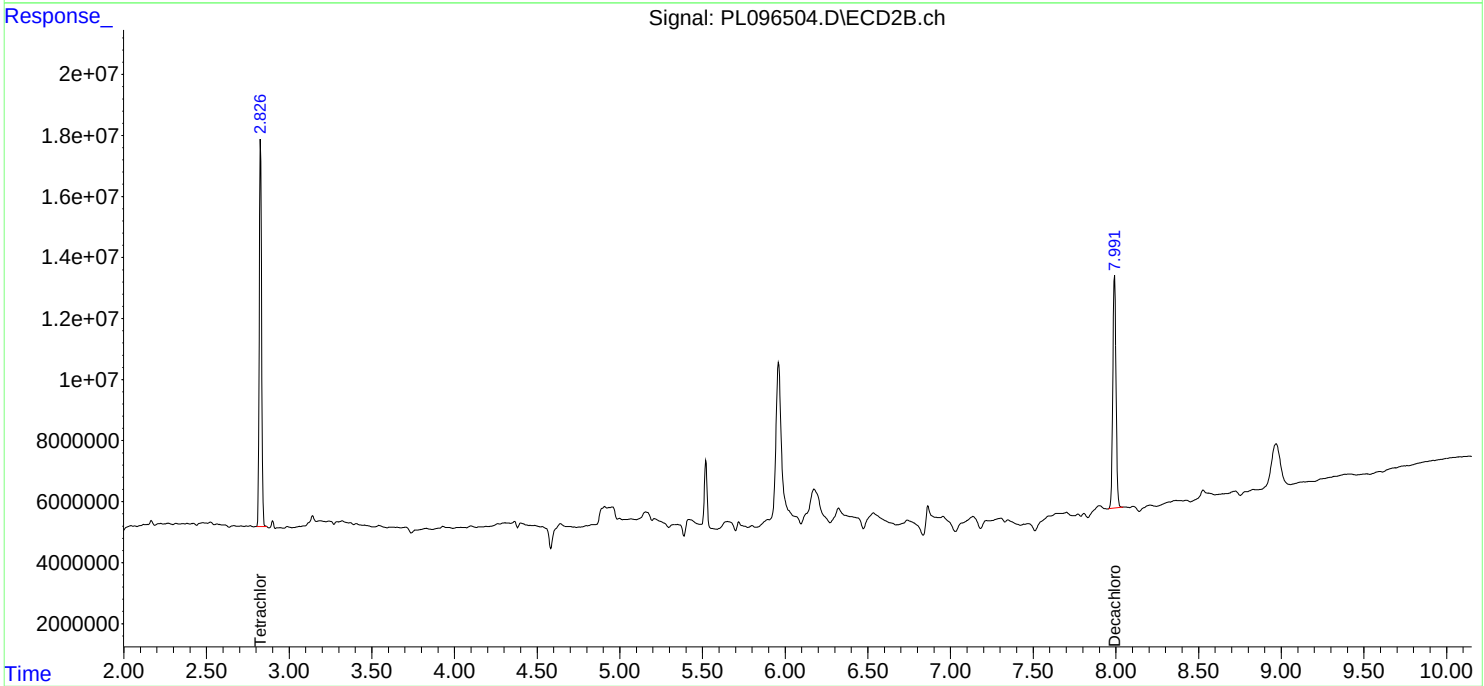
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096504.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 09:48
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

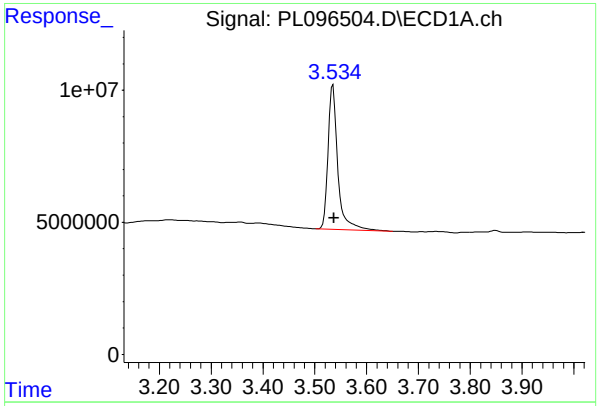
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:46:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



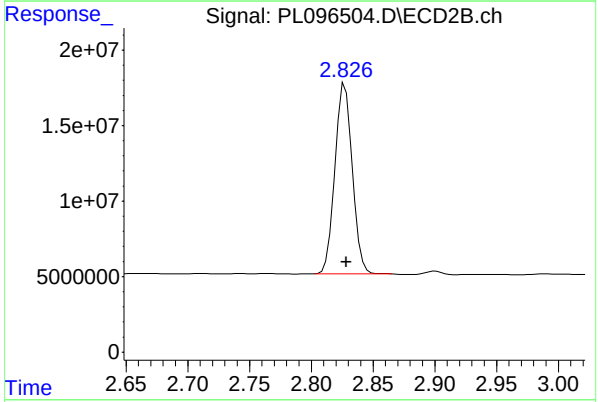




#1 Tetrachloro-m-xylene

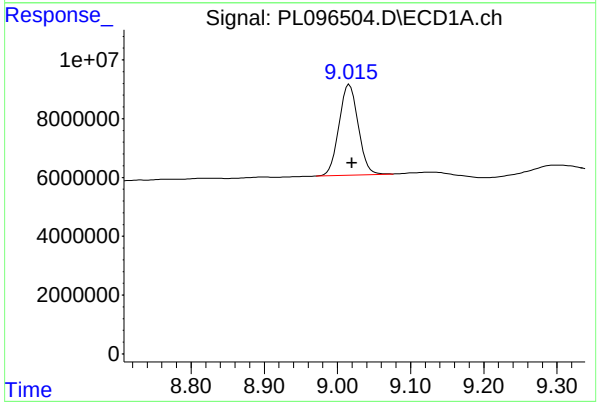
R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 71839360
Conc: 19.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



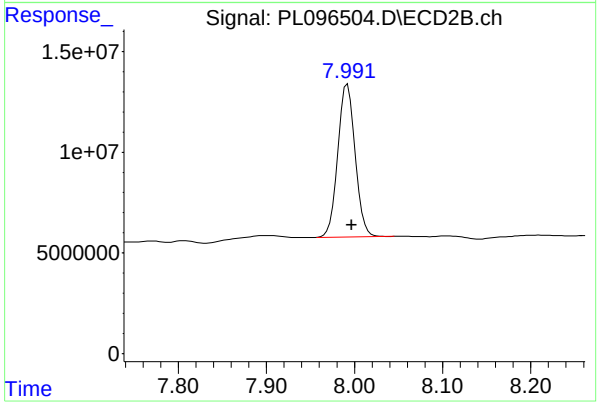
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.001 min
Response: 122916344
Conc: 21.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: -0.004 min
Response: 56209236
Conc: 19.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: -0.005 min
Response: 103887756
Conc: 20.83 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/22/25
Project:	Raymark Superfund Site	Date Received:	07/22/25
Client Sample ID:	PIBLK-PL096511.D	SDG No.:	Q2638
Lab Sample ID:	I.BLK-PL096511.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096511.D	1		07/22/25	PL072225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.0		30 - 135		110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.0		44 - 124		115%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/22/25
Project:	Raymark Superfund Site	Date Received:	07/22/25
Client Sample ID:	PIBLK-PL096511.D	SDG No.:	Q2638
Lab Sample ID:	I.BLK-PL096511.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096511.D	1		07/22/25	PL072225

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\PL072225\
Data File : PL096511.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 13:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:47:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.828	76594747	132.6E6	20.991	22.977
28)	SA Decachlor...	9.016	7.992	61789566	107.7E6	21.965	21.600
	Target Compounds						

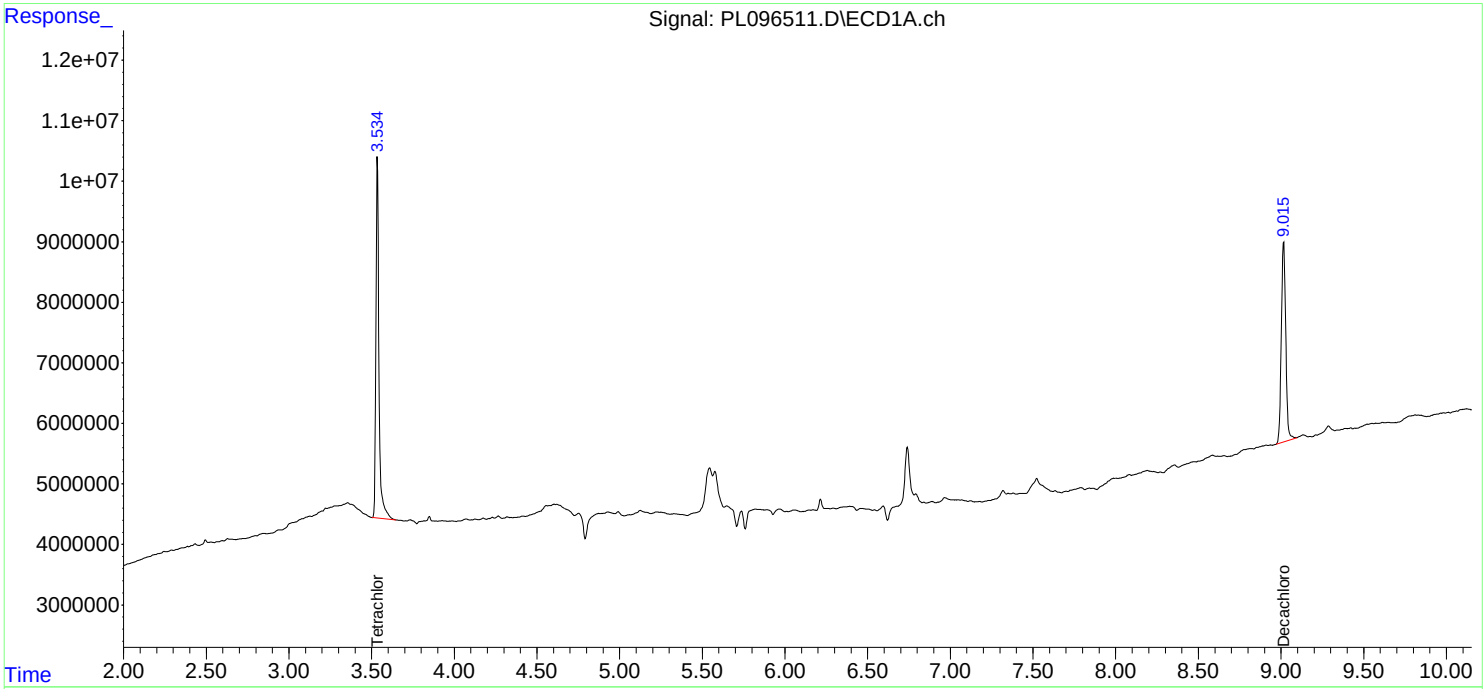
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

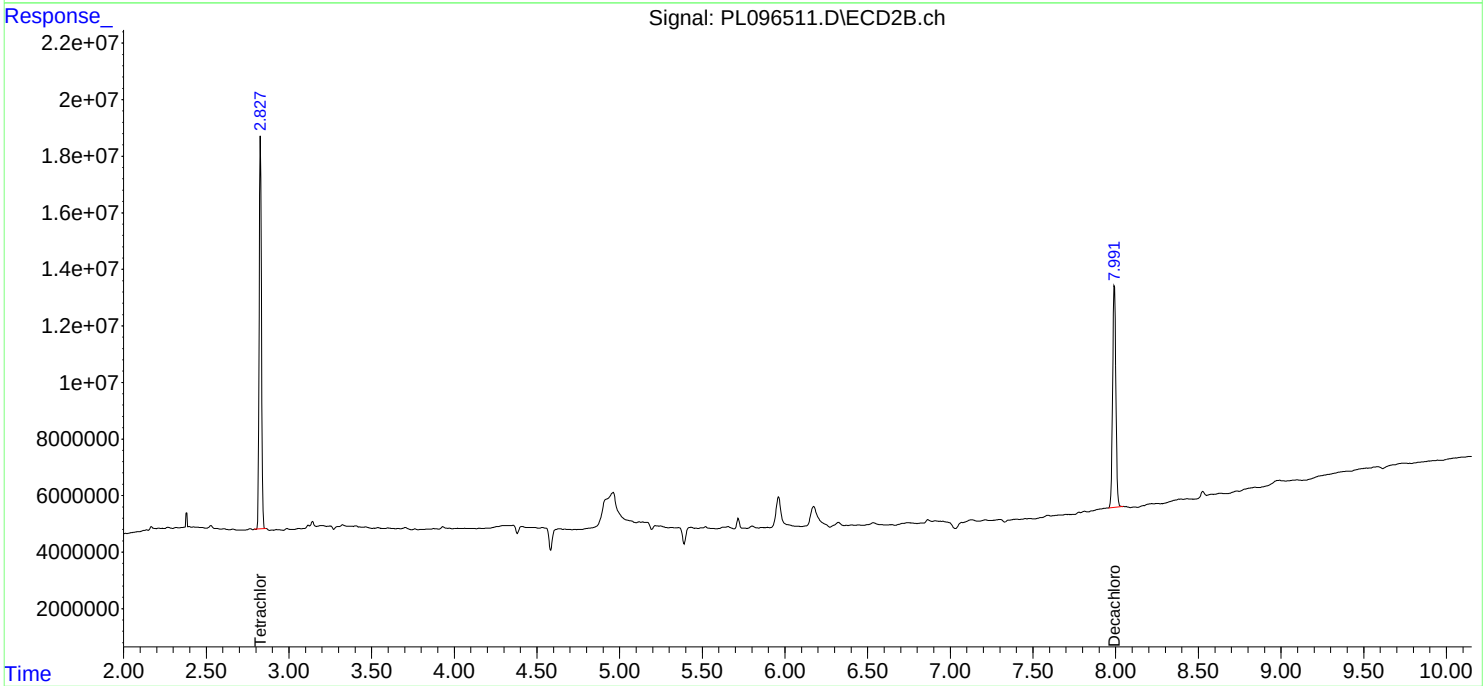
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096511.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 13:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

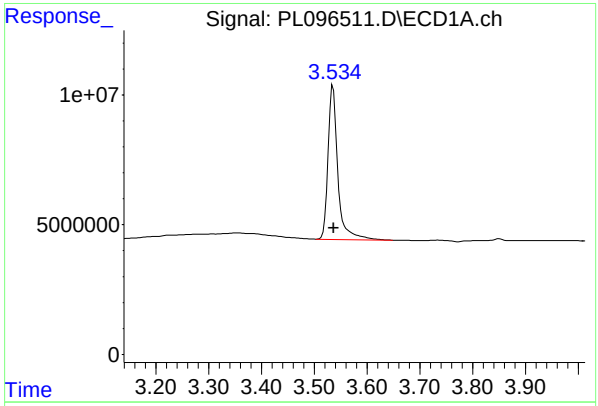
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:47:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



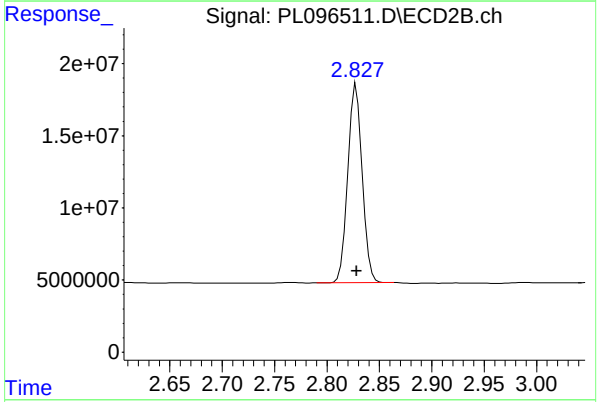




#1 Tetrachloro-m-xylene

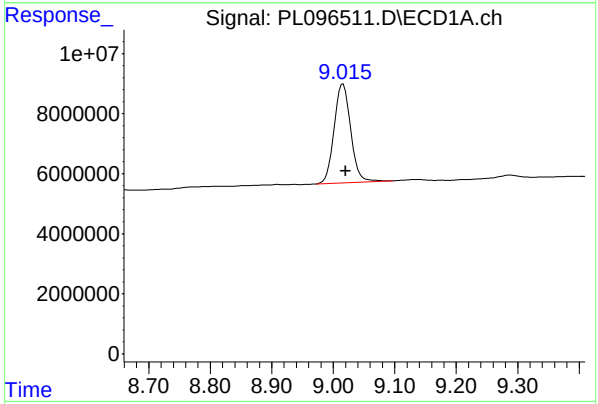
R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 76594747
Conc: 20.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



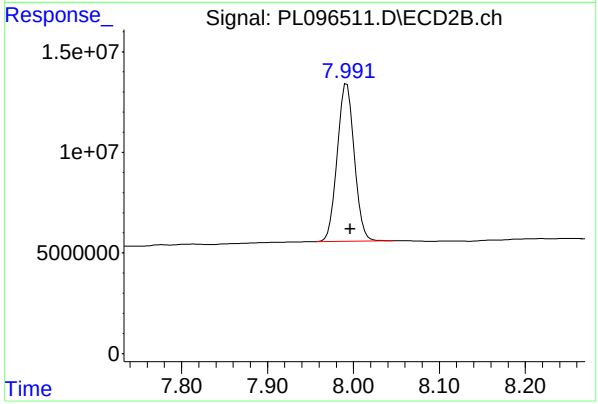
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 132606483
Conc: 22.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: -0.004 min
Response: 61789566
Conc: 21.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: -0.004 min
Response: 107707176
Conc: 21.60 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168928BS	SDG No.:	Q2638
Lab Sample ID:	PB168928BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096483.D	1	07/21/25 08:30	07/21/25 13:11	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.019		0.00013	0.00033	0.0017	mg/Kg
319-85-7	beta-BHC	0.018		0.00018	0.00083	0.0017	mg/Kg
319-86-8	delta-BHC	0.019		0.00039	0.00083	0.0017	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.019		0.00014	0.00033	0.0017	mg/Kg
76-44-8	Heptachlor	0.019		0.00012	0.00033	0.0017	mg/Kg
309-00-2	Aldrin	0.019		0.00012	0.00033	0.0017	mg/Kg
1024-57-3	Heptachlor epoxide	0.019		0.00019	0.00083	0.0017	mg/Kg
959-98-8	Endosulfan I	0.017		0.00014	0.00033	0.0017	mg/Kg
60-57-1	Dieldrin	0.019		0.00014	0.00033	0.0017	mg/Kg
72-55-9	4,4-DDE	0.019		0.00014	0.00033	0.0017	mg/Kg
72-20-8	Endrin	0.017		0.00014	0.00033	0.0017	mg/Kg
33213-65-9	Endosulfan II	0.019		0.00029	0.00083	0.0017	mg/Kg
72-54-8	4,4-DDD	0.021		0.00015	0.00033	0.0017	mg/Kg
1031-07-8	Endosulfan Sulfate	0.019		0.00013	0.00033	0.0017	mg/Kg
50-29-3	4,4-DDT	0.016		0.00014	0.00033	0.0017	mg/Kg
72-43-5	Methoxychlor	0.016		0.00037	0.00083	0.0017	mg/Kg
53494-70-5	Endrin ketone	0.019		0.00019	0.00083	0.0017	mg/Kg
7421-93-4	Endrin aldehyde	0.021		0.00037	0.00083	0.0017	mg/Kg
5103-71-9	alpha-Chlordane	0.017		0.00012	0.00033	0.0017	mg/Kg
5103-74-2	gamma-Chlordane	0.019		0.00015	0.00033	0.0017	mg/Kg
8001-35-2	Toxaphene	0.017	U	0.0054	0.017	0.033	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.4		55 - 130		102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		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:	PB168928BS	SDG No.:	Q2638
Lab Sample ID:	PB168928BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096483.D	1	07/21/25 08:30	07/21/25 13:11	PB168928

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\PL072125\
Data File : PL096483.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:11
Operator : AR\AJ
Sample : PB168928BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168928BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:44:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.829	65840225	115.4E6	18.043	19.989
28)	SA Decachlor...	9.020	7.994	53454518	101.8E6	19.002	20.421
	Target Compounds						
2)	A alpha-BHC	3.984	3.334	271.3E6	488.2E6	52.755	57.879
3)	MA gamma-BHC...	4.312	3.666	257.8E6	450.5E6	51.770	57.195
4)	MA Heptachlor	4.905	4.015	238.6E6	422.6E6	52.083	55.553
5)	MB Aldrin	5.245	4.298	247.7E6	416.9E6	51.245	57.148
6)	B beta-BHC	4.499	3.962	108.6E6	186.9E6	52.263	54.574
7)	B delta-BHC	4.745	4.196	242.6E6	439.7E6	54.134	57.096
8)	B Heptachlo...	5.664	4.800	233.3E6	373.4E6	56.227	55.855
9)	A Endosulfan I	6.046	5.171	208.0E6	348.3E6	51.522	48.544
10)	B gamma-Chl...	5.918	5.052	228.0E6	393.9E6	51.522	56.107
11)	B alpha-Chl...	5.998	5.116	224.9E6	384.0E6	51.355	51.066
12)	B 4,4'-DDE	6.168	5.305	192.1E6	363.3E6	51.821	56.209
13)	MA Dieldrin	6.318	5.436	218.5E6	384.1E6	51.683	56.319
14)	MA Endrin	6.545	5.710	159.9E6	313.3E6	51.397	51.391
15)	B Endosulfa...	6.757	6.002	189.0E6	327.9E6	54.464	55.922
16)	A 4,4'-DDD	6.677	5.857	160.5E6	318.5E6	55.135	62.100
17)	MA 4,4'-DDT	6.992	6.110	146.3E6	282.5E6	48.208	49.253
18)	B Endrin al...	6.886	6.180	138.9E6	253.5E6	62.152	56.900
19)	B Endosulfa...	7.120	6.403	162.7E6	321.2E6	53.176	57.106
20)	A Methoxychlor	7.465	6.682	73066617	147.7E6	46.380	48.631
21)	B Endrin ke...	7.599	6.908	177.5E6	359.3E6	53.776	57.468
22)	Mirex	8.079	7.099	130.7E6	247.8E6	46.994	49.878

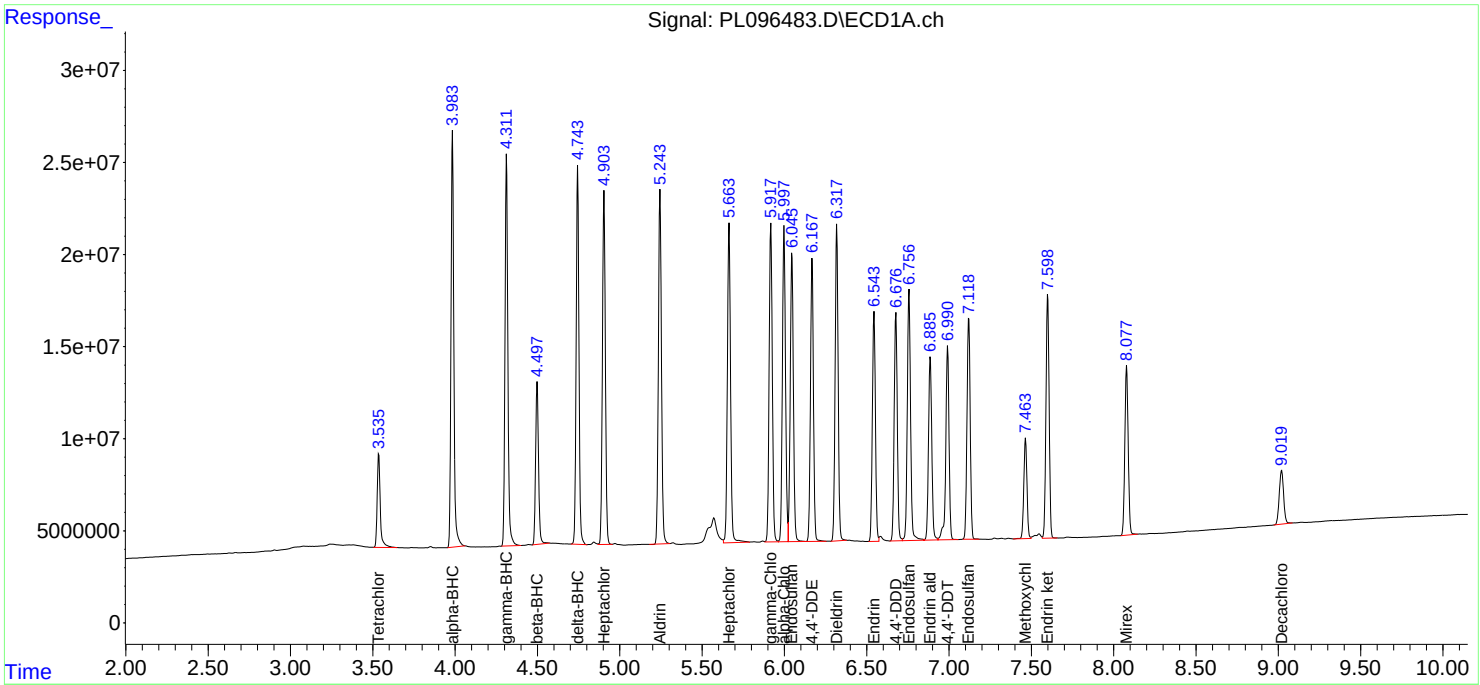
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

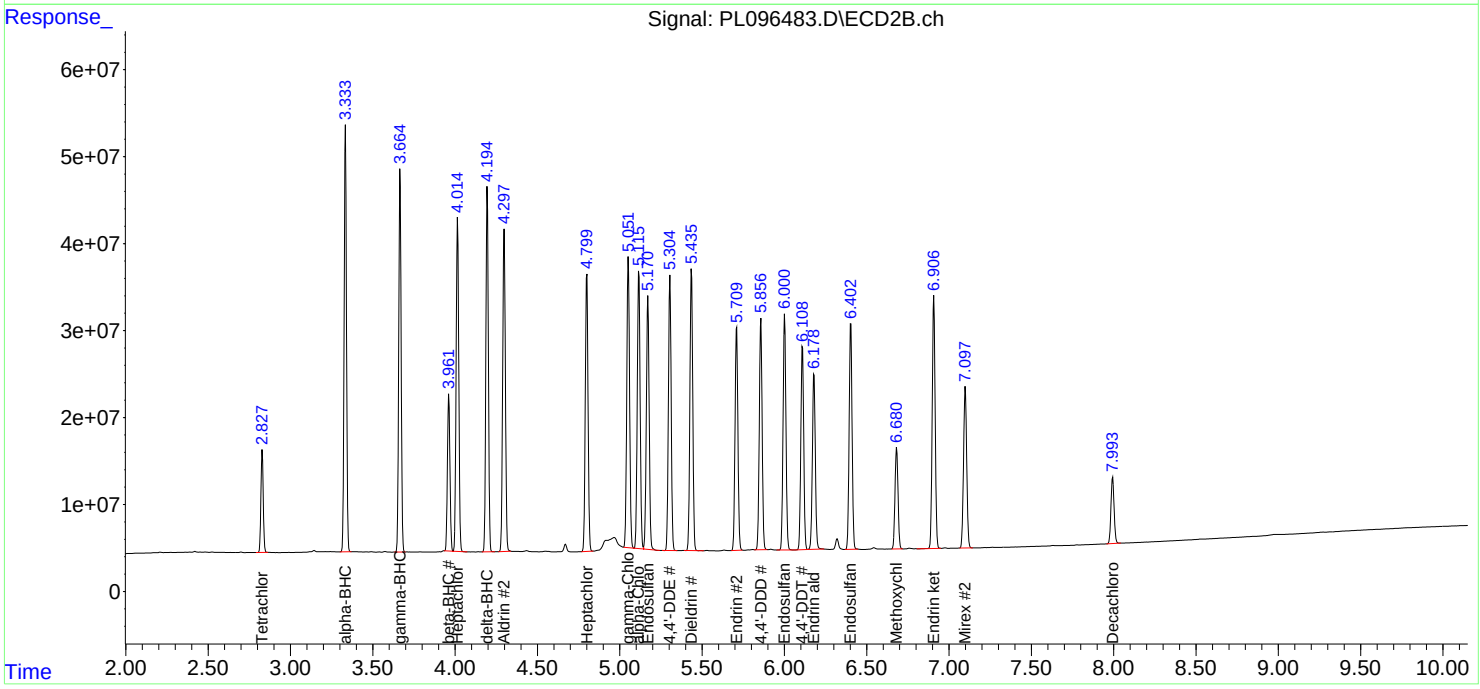
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096483.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:11
Operator : AR\AJ
Sample : PB168928BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

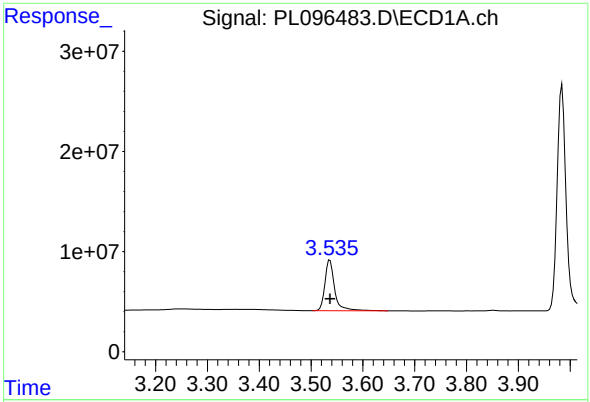
Instrument :
ECD_L
ClientSampleId :
PB168928BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:44:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
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Signal #1 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



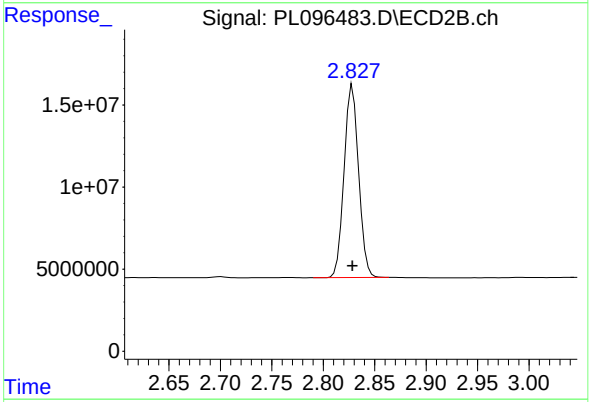




#1 Tetrachloro-m-xylene

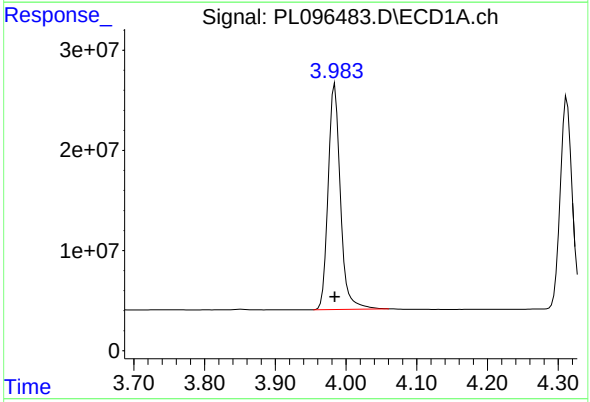
R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 65840225
Conc: 18.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BS



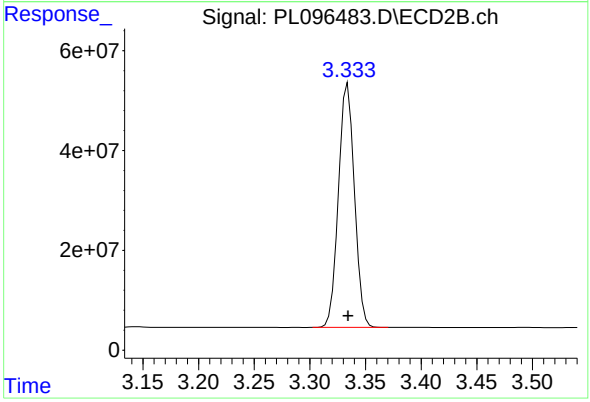
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 115362641
Conc: 19.99 ng/ml



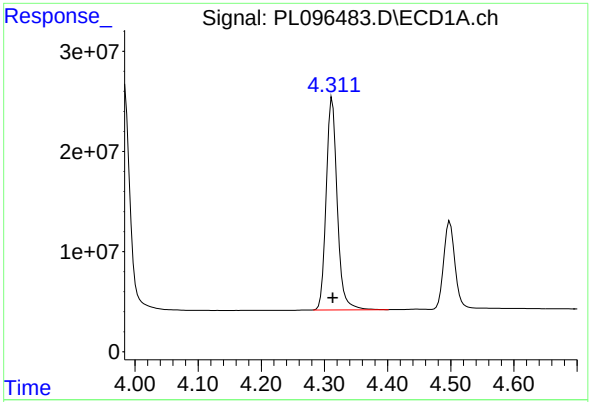
#2 alpha-BHC

R.T.: 3.984 min
Delta R.T.: 0.000 min
Response: 271325459
Conc: 52.75 ng/ml



#2 alpha-BHC

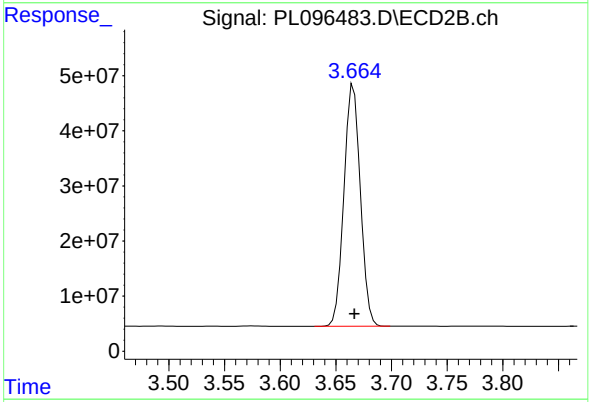
R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 488169760
Conc: 57.88 ng/ml



#3 gamma-BHC (Lindane)

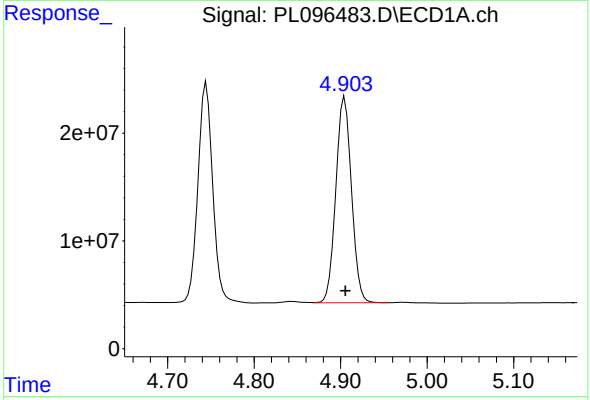
R.T.: 4.312 min
Delta R.T.: 0.000 min
Response: 257795098
Conc: 51.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BS



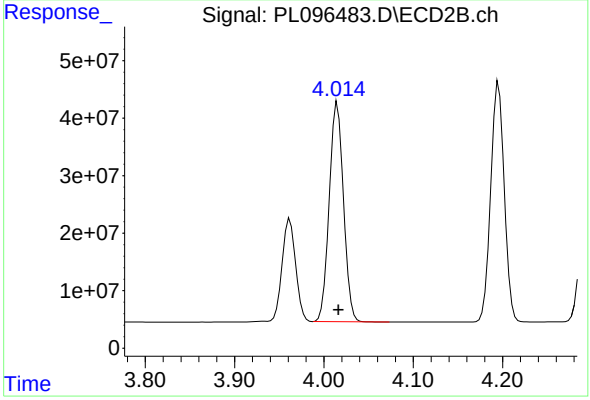
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 450456963
Conc: 57.19 ng/ml



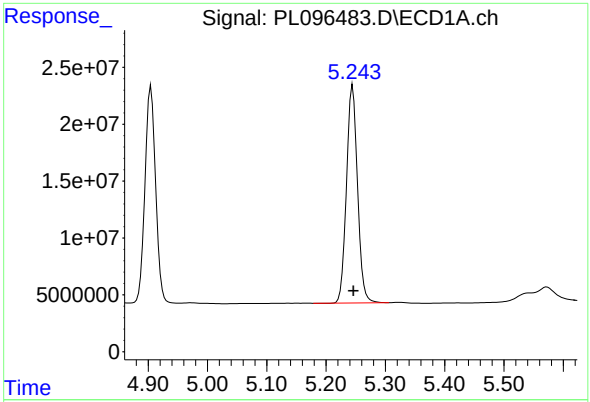
#4 Heptachlor

R.T.: 4.905 min
Delta R.T.: 0.000 min
Response: 238602613
Conc: 52.08 ng/ml



#4 Heptachlor

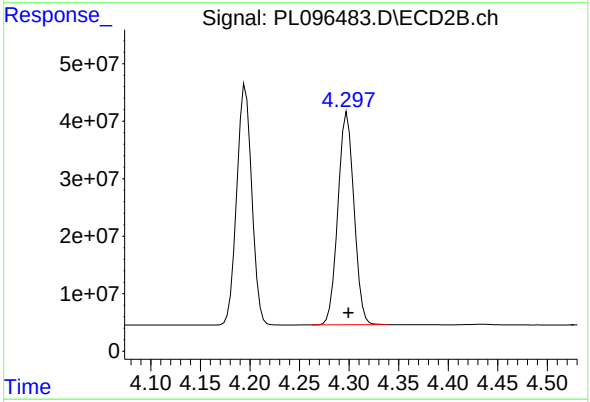
R.T.: 4.015 min
Delta R.T.: -0.001 min
Response: 422633027
Conc: 55.55 ng/ml



#5 Aldrin

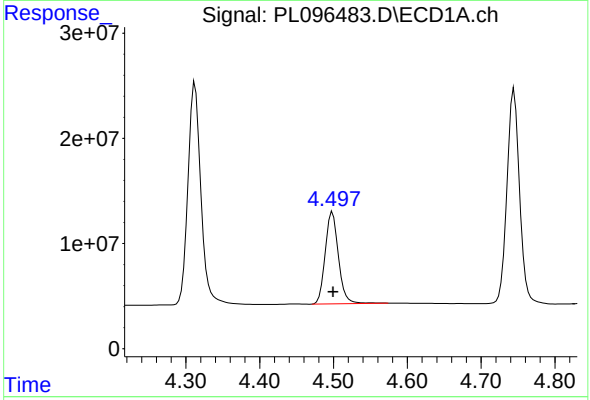
R.T.: 5.245 min
Delta R.T.: 0.000 min
Response: 247702895
Conc: 51.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BS



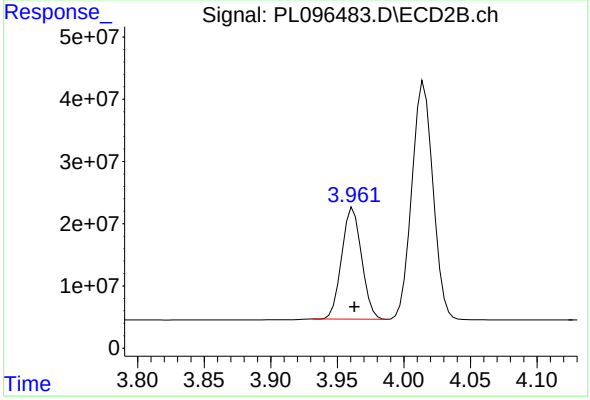
#5 Aldrin

R.T.: 4.298 min
Delta R.T.: -0.001 min
Response: 416926591
Conc: 57.15 ng/ml



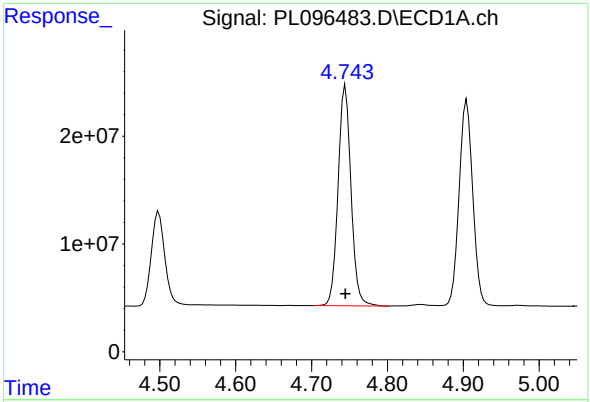
#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 108643210
Conc: 52.26 ng/ml



#6 beta-BHC

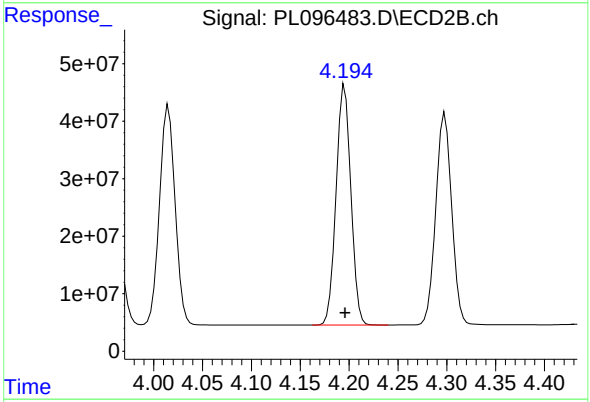
R.T.: 3.962 min
Delta R.T.: -0.001 min
Response: 186856275
Conc: 54.57 ng/ml



#7 delta-BHC

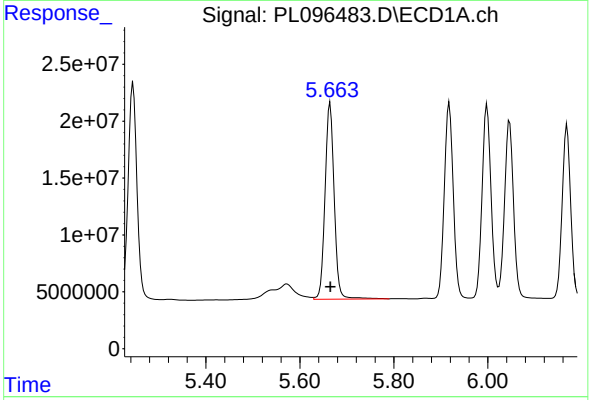
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 242592359
Conc: 54.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BS



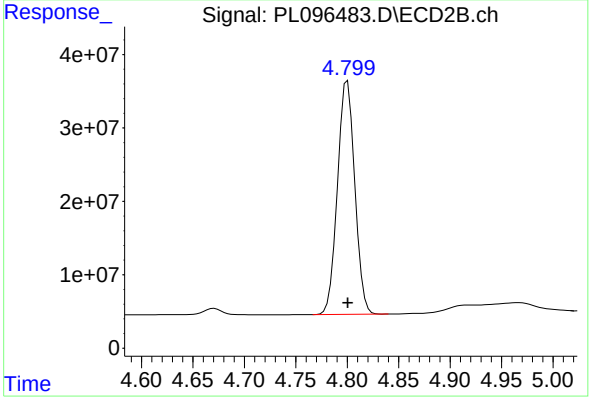
#7 delta-BHC

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 439746767
Conc: 57.10 ng/ml



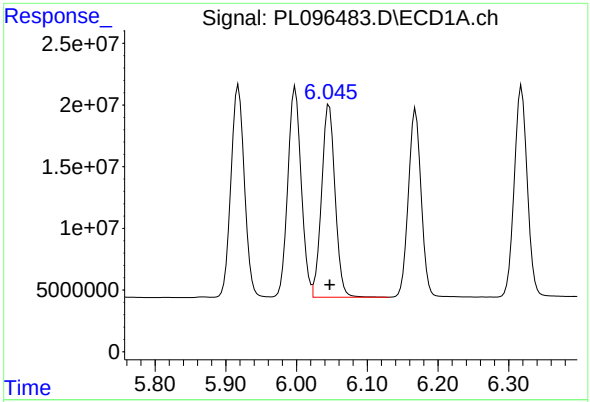
#8 Heptachlor epoxide

R.T.: 5.664 min
Delta R.T.: 0.000 min
Response: 233296322
Conc: 56.23 ng/ml



#8 Heptachlor epoxide

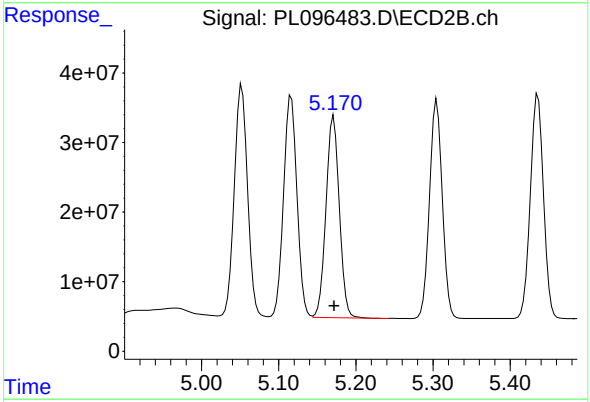
R.T.: 4.800 min
Delta R.T.: 0.000 min
Response: 373383056
Conc: 55.85 ng/ml



#9 Endosulfan I

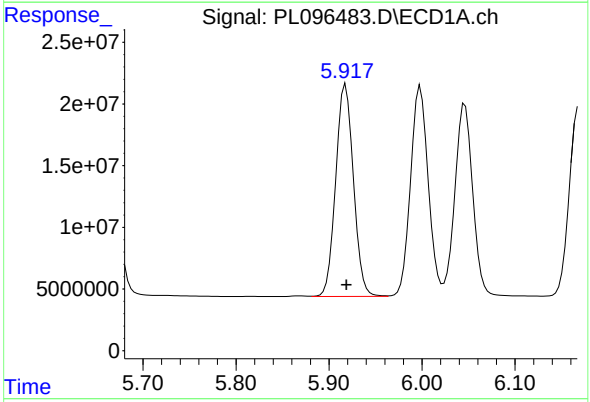
R.T.: 6.046 min
Delta R.T.: 0.000 min
Response: 208009218
Conc: 51.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BS



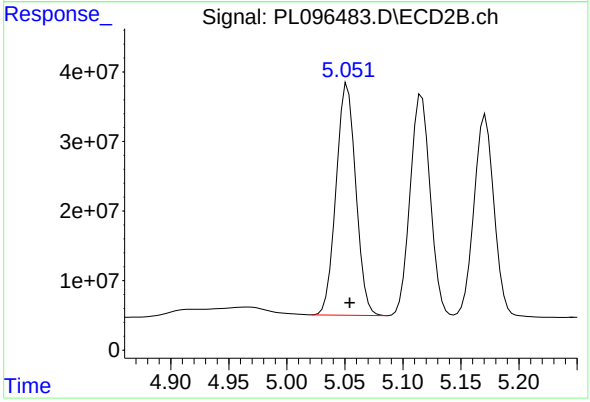
#9 Endosulfan I

R.T.: 5.171 min
Delta R.T.: 0.000 min
Response: 348263330
Conc: 48.54 ng/ml



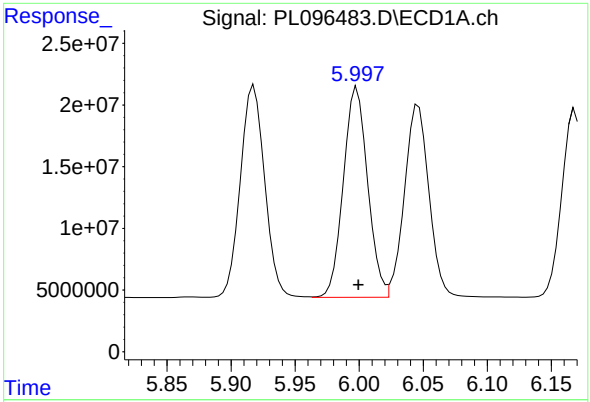
#10 gamma-Chlordane

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 227972994
Conc: 51.52 ng/ml



#10 gamma-Chlordane

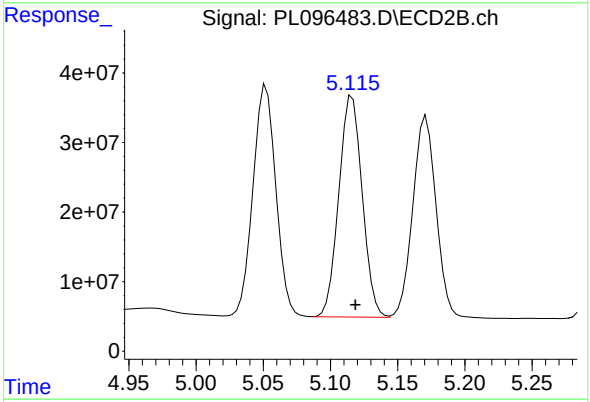
R.T.: 5.052 min
Delta R.T.: -0.002 min
Response: 393854845
Conc: 56.11 ng/ml



#11 alpha-Chlordane

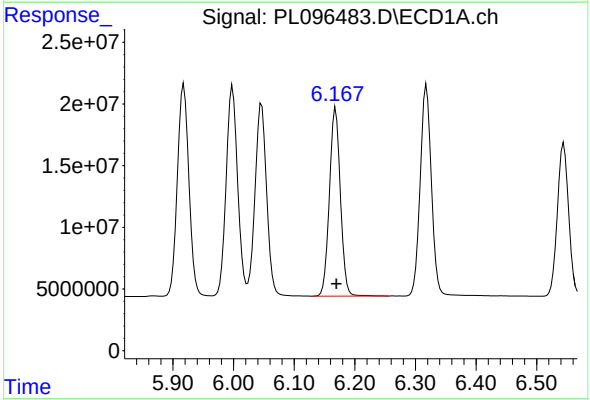
R.T.: 5.998 min
Delta R.T.: -0.001 min
Response: 224874516
Conc: 51.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BS



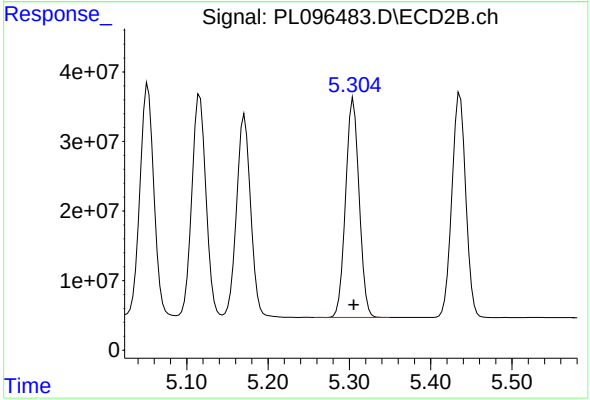
#11 alpha-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.003 min
Response: 384027254
Conc: 51.07 ng/ml



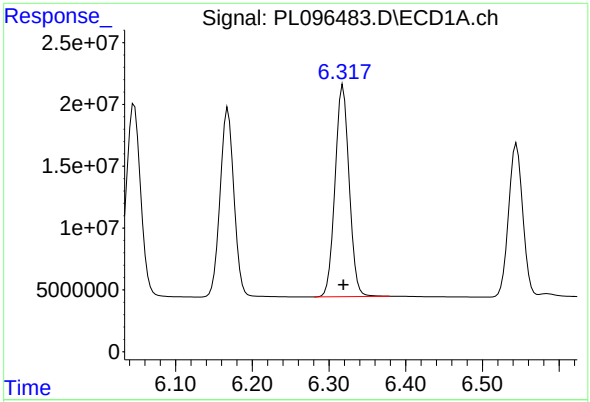
#12 4,4'-DDE

R.T.: 6.168 min
Delta R.T.: -0.001 min
Response: 192126665
Conc: 51.82 ng/ml



#12 4,4'-DDE

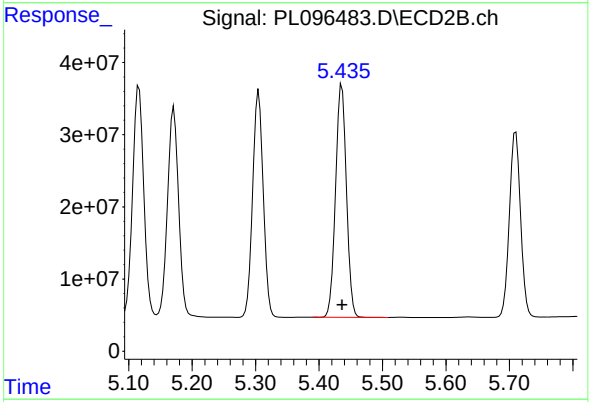
R.T.: 5.305 min
Delta R.T.: 0.000 min
Response: 363318986
Conc: 56.21 ng/ml



#13 Dieldrin

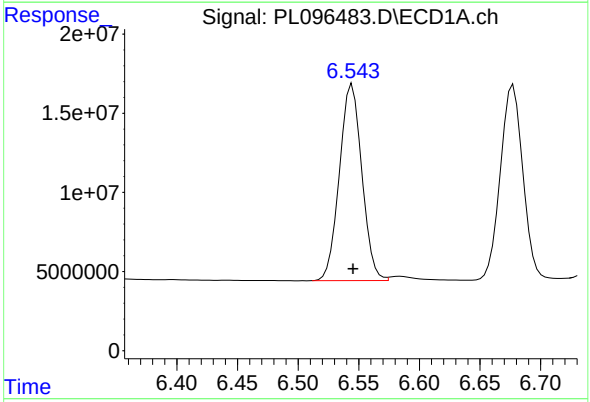
R.T.: 6.318 min
Delta R.T.: 0.000 min
Response: 218536738
Conc: 51.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BS



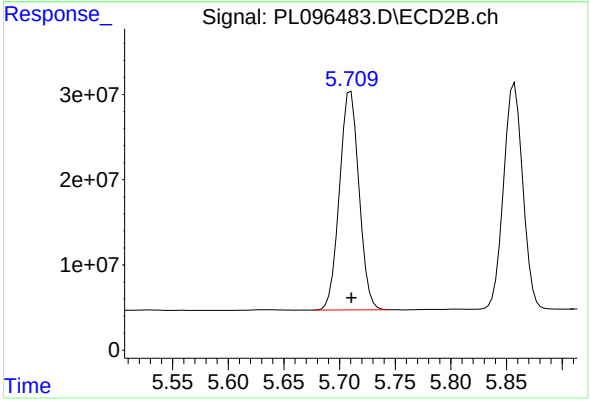
#13 Dieldrin

R.T.: 5.436 min
Delta R.T.: 0.000 min
Response: 384052488
Conc: 56.32 ng/ml



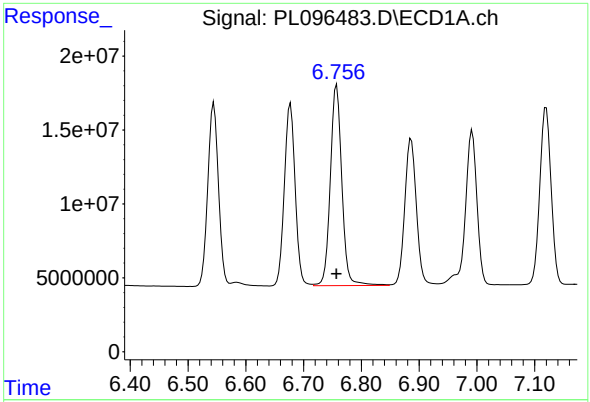
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 159856967
Conc: 51.40 ng/ml



#14 Endrin

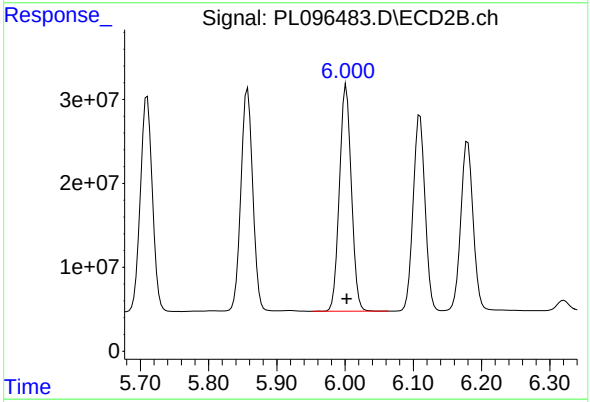
R.T.: 5.710 min
Delta R.T.: 0.000 min
Response: 313304354
Conc: 51.39 ng/ml



#15 Endosulfan II

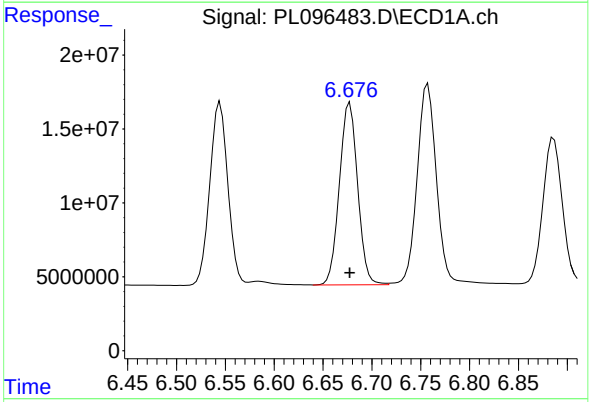
R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 188994475
Conc: 54.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BS



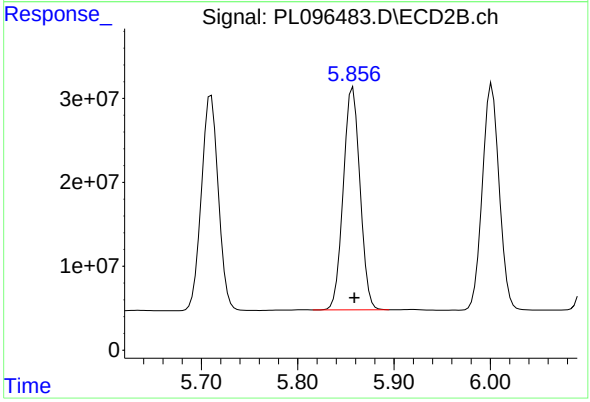
#15 Endosulfan II

R.T.: 6.002 min
Delta R.T.: 0.000 min
Response: 327919346
Conc: 55.92 ng/ml



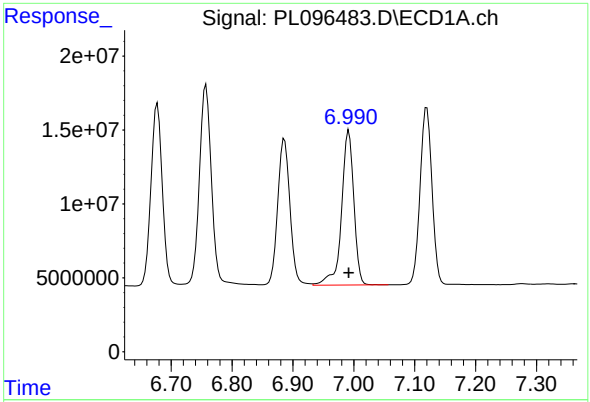
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 160535496
Conc: 55.13 ng/ml



#16 4,4'-DDD

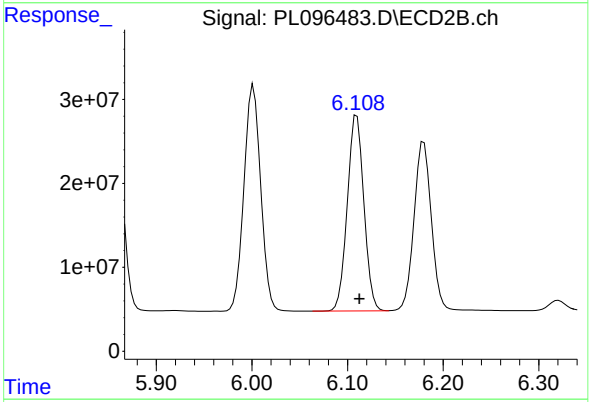
R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 318491712
Conc: 62.10 ng/ml



#17 4,4'-DDT

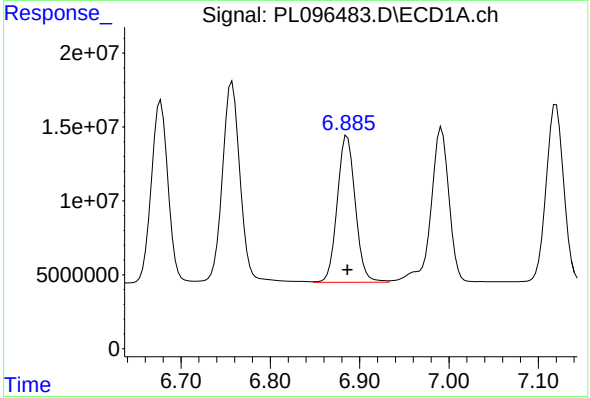
R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 146321943
Conc: 48.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BS



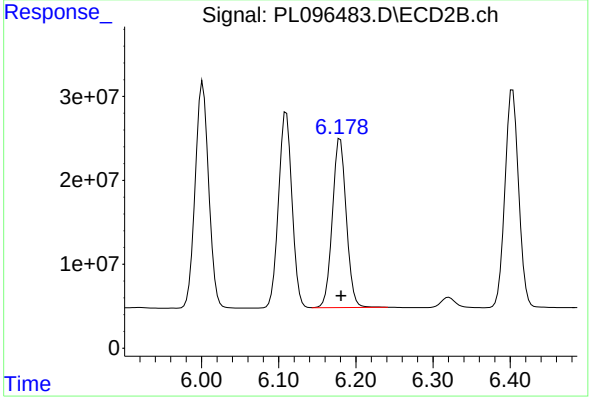
#17 4,4'-DDT

R.T.: 6.110 min
Delta R.T.: -0.003 min
Response: 282473485
Conc: 49.25 ng/ml



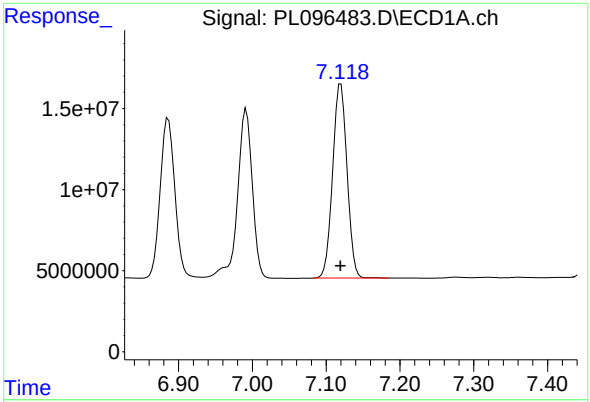
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 138944664
Conc: 62.15 ng/ml



#18 Endrin aldehyde

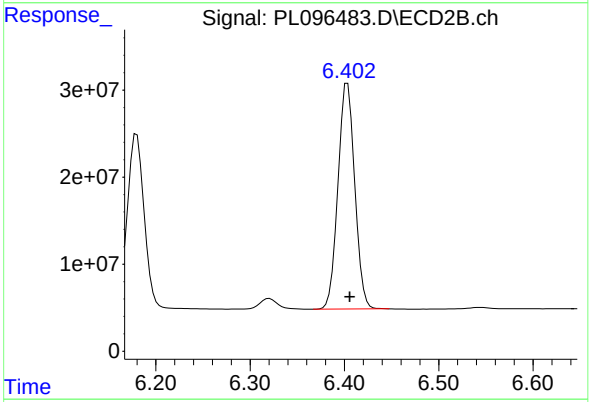
R.T.: 6.180 min
Delta R.T.: -0.001 min
Response: 253466950
Conc: 56.90 ng/ml



#19 Endosulfan Sulfate

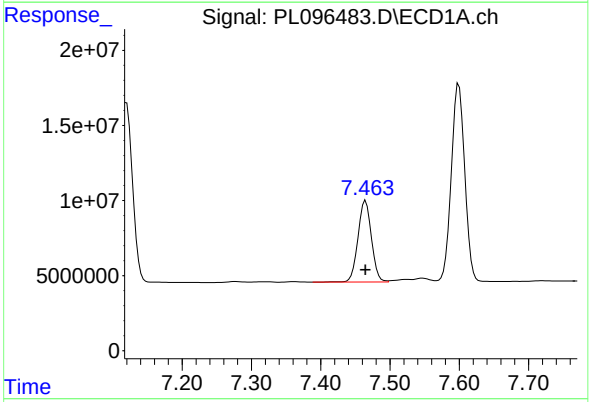
R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 162655714
Conc: 53.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BS



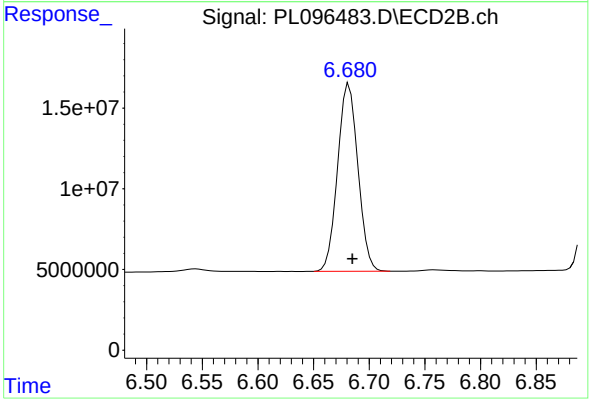
#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: -0.002 min
Response: 321186546
Conc: 57.11 ng/ml



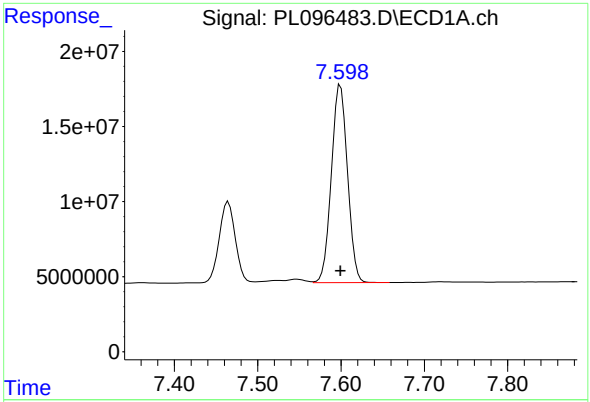
#20 Methoxychlor

R.T.: 7.465 min
Delta R.T.: 0.000 min
Response: 73066617
Conc: 46.38 ng/ml



#20 Methoxychlor

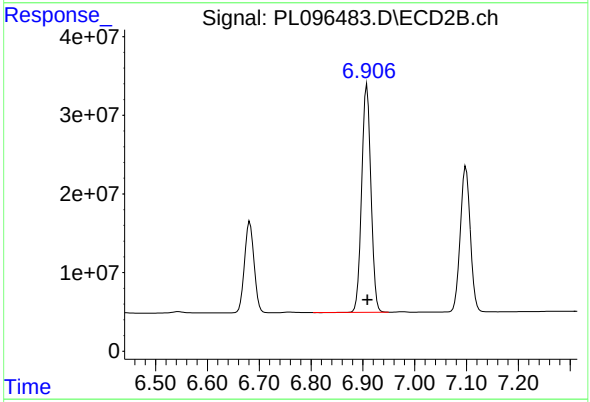
R.T.: 6.682 min
Delta R.T.: -0.003 min
Response: 147731506
Conc: 48.63 ng/ml



#21 Endrin ketone

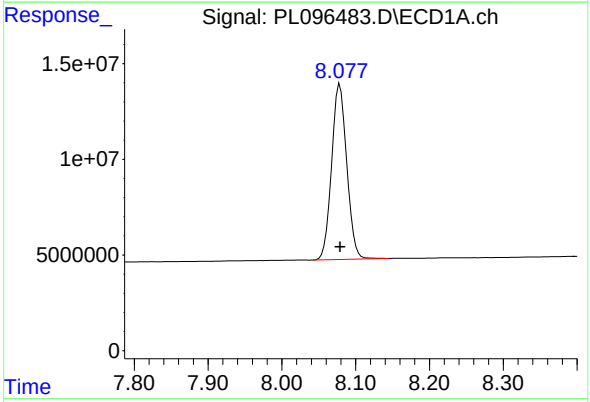
R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 177549351
Conc: 53.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BS



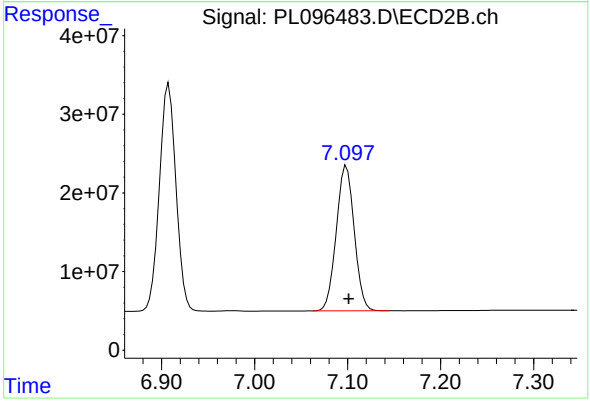
#21 Endrin ketone

R.T.: 6.908 min
Delta R.T.: -0.001 min
Response: 359305948
Conc: 57.47 ng/ml



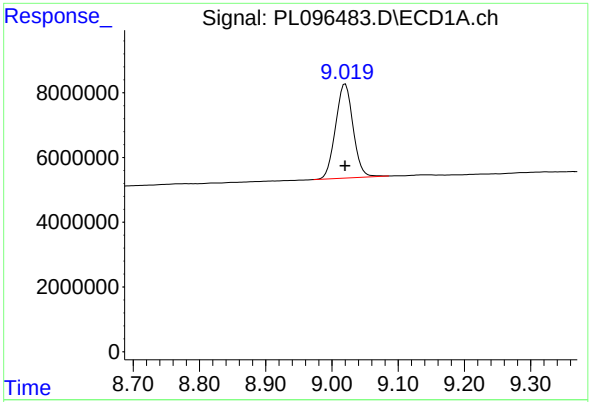
#22 Mirex

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 130747302
Conc: 46.99 ng/ml



#22 Mirex

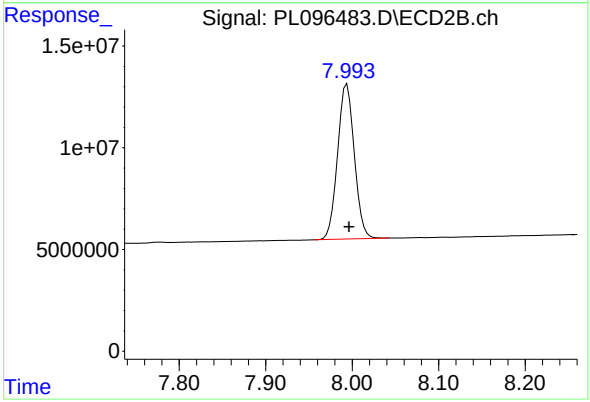
R.T.: 7.099 min
Delta R.T.: -0.002 min
Response: 247802718
Conc: 49.88 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 53454518
Conc: 19.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BS



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 101829706
Conc: 20.42 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:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/17/25
Client Sample ID:	RT2286MS	SDG No.:	Q2638
Lab Sample ID:	Q2635-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	84.8 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
PL096485.D	1	07/21/25 08:30	07/21/25 14:05	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.019		0.00015	0.00039	0.0020	mg/Kg
319-85-7	beta-BHC	0.017		0.00021	0.00098	0.0020	mg/Kg
319-86-8	delta-BHC	0.018		0.00046	0.00098	0.0020	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.019		0.00016	0.00039	0.0020	mg/Kg
76-44-8	Heptachlor	0.019		0.00014	0.00039	0.0020	mg/Kg
309-00-2	Aldrin	0.019		0.00014	0.00039	0.0020	mg/Kg
1024-57-3	Heptachlor epoxide	0.021		0.00022	0.00098	0.0020	mg/Kg
959-98-8	Endosulfan I	0.019		0.00016	0.00039	0.0020	mg/Kg
60-57-1	Dieldrin	0.020		0.00016	0.00039	0.0020	mg/Kg
72-55-9	4,4-DDE	0.017		0.00016	0.00039	0.0020	mg/Kg
72-20-8	Endrin	0.021		0.00016	0.00039	0.0020	mg/Kg
33213-65-9	Endosulfan II	0.019		0.00034	0.00098	0.0020	mg/Kg
72-54-8	4,4-DDD	0.025	P	0.00018	0.00039	0.0020	mg/Kg
1031-07-8	Endosulfan Sulfate	0.021		0.00015	0.00039	0.0020	mg/Kg
50-29-3	4,4-DDT	0.019		0.00016	0.00039	0.0020	mg/Kg
72-43-5	Methoxychlor	0.021		0.00044	0.00098	0.0020	mg/Kg
53494-70-5	Endrin ketone	0.026	P	0.00022	0.00098	0.0020	mg/Kg
7421-93-4	Endrin aldehyde	0.023		0.00044	0.00098	0.0020	mg/Kg
5103-71-9	alpha-Chlordane	0.018		0.00014	0.00039	0.0020	mg/Kg
5103-74-2	gamma-Chlordane	0.019		0.00018	0.00039	0.0020	mg/Kg
8001-35-2	Toxaphene	0.020	U	0.0064	0.020	0.039	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	17.1		55 - 130		86%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.9		42 - 129		90%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/17/25
Client Sample ID:	RT2286MS	SDG No.:	Q2638
Lab Sample ID:	Q2635-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	84.8 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
PL096485.D	1	07/21/25 08:30	07/21/25 14:05	PB168928

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\PL072125\
Data File : PL096485.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:05
Operator : AR\AJ
Sample : Q2635-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RT2286MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:44:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.534	2.827	65305594	98410848	17.897m	17.052
28)	SA Decachlor...	9.019	7.992	48153844	73981879	17.118	14.836
	Target Compounds						
2)	A alpha-BHC	3.983	3.333	247.5E6	367.8E6	48.118	43.612
3)	MA gamma-BHC...	4.310	3.664	234.1E6	337.7E6	47.010m	42.878
4)	MA Heptachlor	4.904	4.014	220.3E6	330.9E6	48.079	43.501
5)	MB Aldrin	5.242	4.295	234.1E6	325.4E6	48.422m	44.599m
6)	B beta-BHC	4.498	3.961	89450562	134.4E6	43.030	39.253
7)	B delta-BHC	4.744	4.194	207.9E6	325.3E6	46.384	42.241
8)	B Heptachlo...	5.664	4.799	222.3E6	280.2E6	53.568	41.919
9)	A Endosulfan I	6.045	5.170	194.5E6	249.9E6	48.178	34.835 #
10)	B gamma-Chl...	5.916	5.051	214.3E6	301.0E6	48.425m	42.881
11)	B alpha-Chl...	5.997	5.115	205.6E6	283.1E6	46.945m	37.649
12)	B 4,4'-DDE	6.169	5.304	162.3E6	254.7E6	43.787	39.411
13)	MA Dieldrin	6.318	5.435	216.2E6	317.1E6	51.130	46.507
14)	MA Endrin	6.544	5.709	166.0E6	262.6E6	53.373	43.070
15)	B Endosulfa...	6.757	6.001	171.6E6	252.3E6	49.456	43.025
16)	A 4,4'-DDD	6.677	5.856	184.4E6	210.4E6	63.322	41.015 #
17)	MA 4,4'-DDT	6.990	6.108	149.5E6	283.2E6	49.250m	49.380
18)	B Endrin al...	6.886	6.179	130.7E6	217.9E6	58.466	48.914
19)	B Endosulfa...	7.119	6.403	160.6E6	272.9E6	52.500	48.523
20)	A Methoxychlor	7.464	6.679	83440702	123.0E6	52.965	40.483m
21)	B Endrin ke...	7.596	6.906	215.0E6	252.5E6	65.121m	40.382m#
22)	Mirex	8.078	7.098	131.0E6	195.9E6	47.100	39.424

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

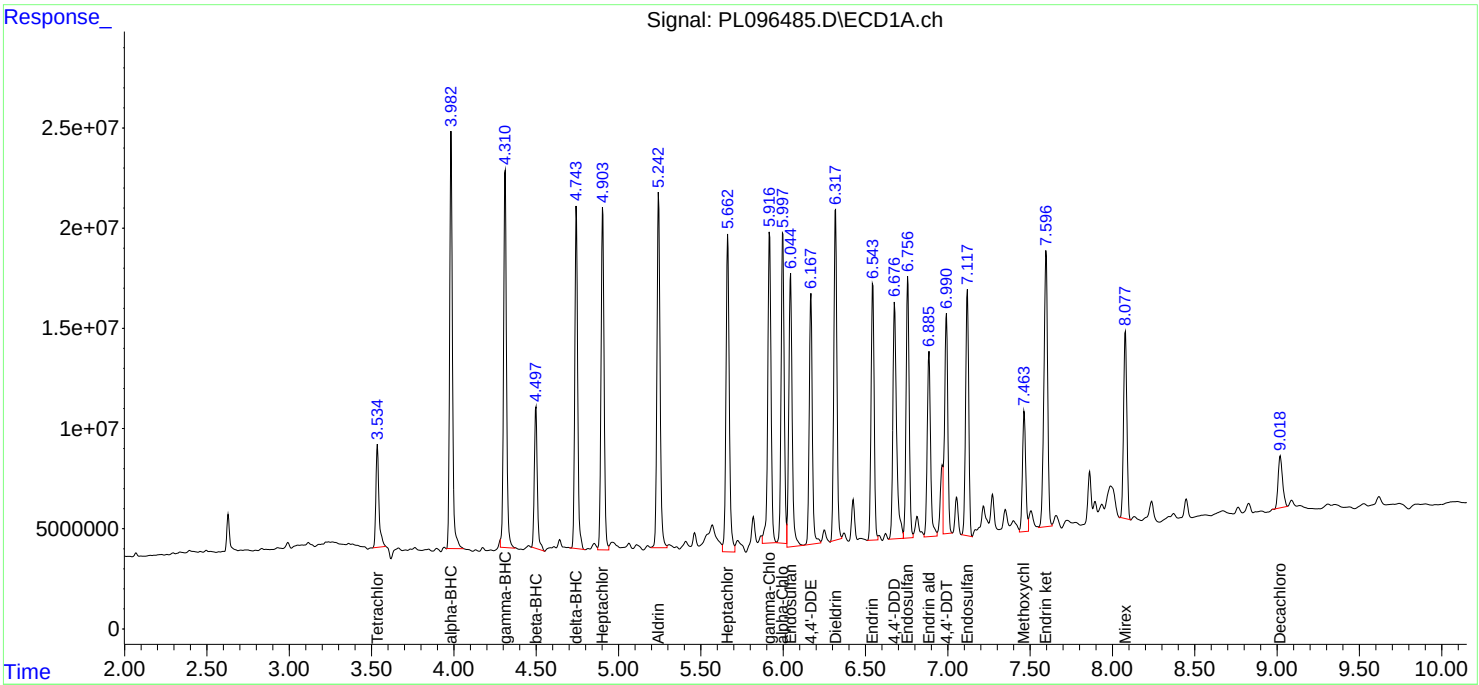
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096485.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:05
Operator : AR\AJ
Sample : Q2635-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

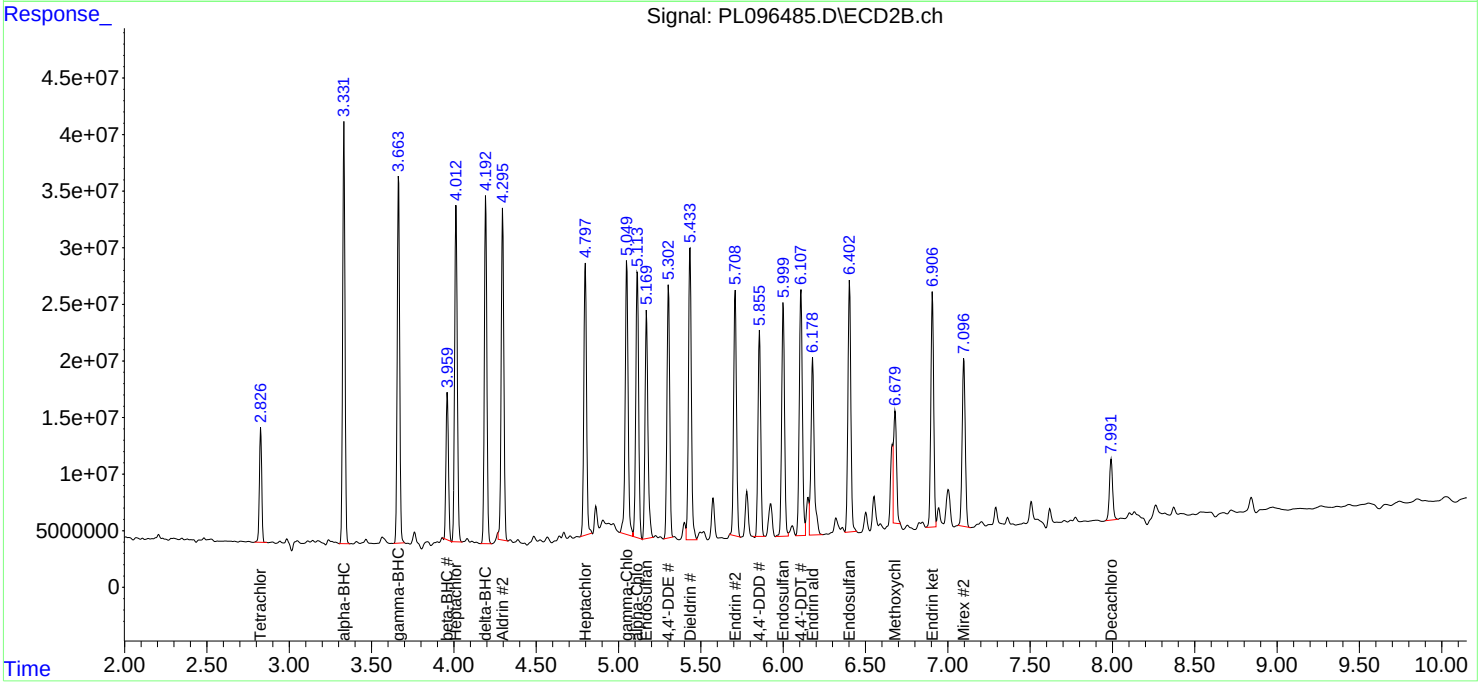
Instrument :
ECD_L
ClientSampleId :
RT2286MS

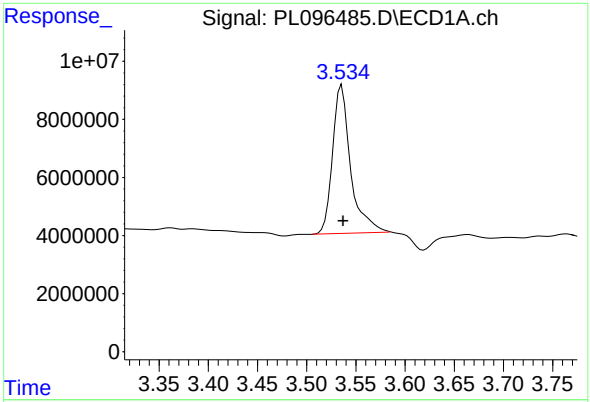
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:44:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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







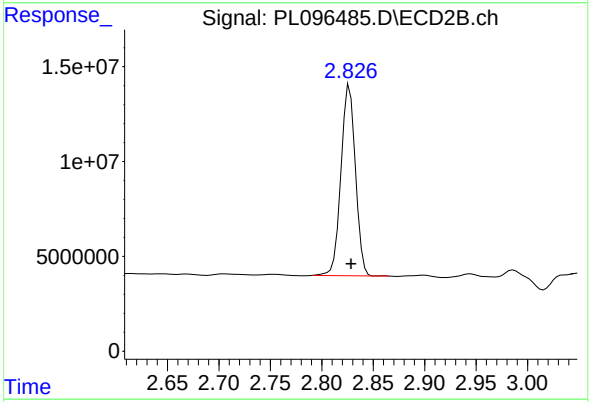
#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: -0.003 min
Response: 65305594
Conc: 17.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS

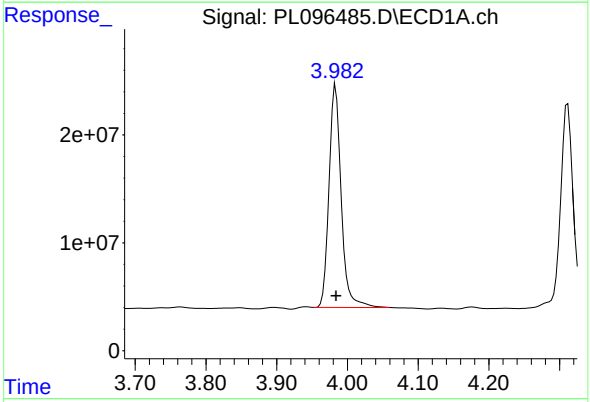
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



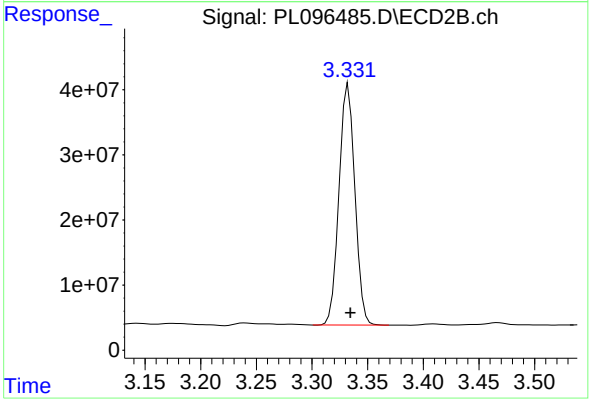
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.001 min
Response: 98410848
Conc: 17.05 ng/ml



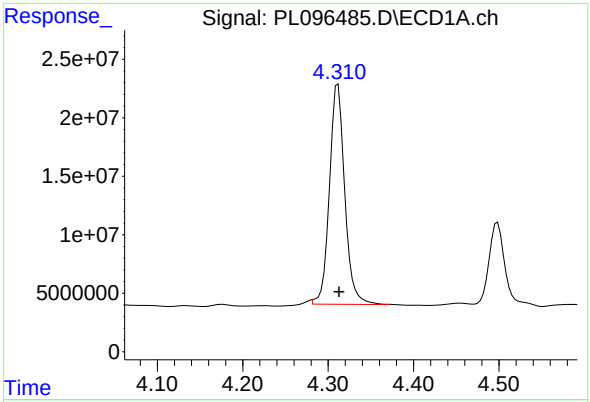
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 247477342
Conc: 48.12 ng/ml



#2 alpha-BHC

R.T.: 3.333 min
Delta R.T.: -0.002 min
Response: 367840051
Conc: 43.61 ng/ml



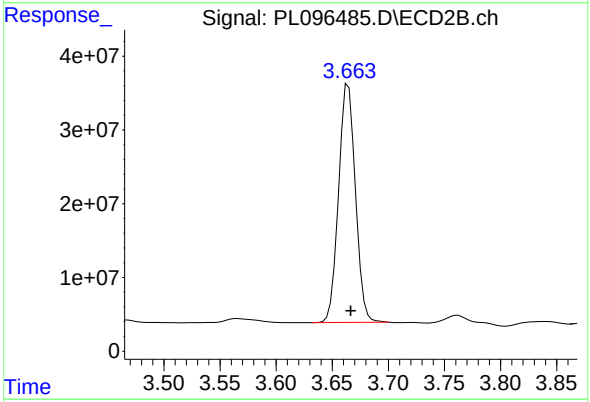
#3 gamma-BHC (Lindane)

R.T.: 4.310 min
Delta R.T.: -0.003 min
Response: 234093171
Conc: 47.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS

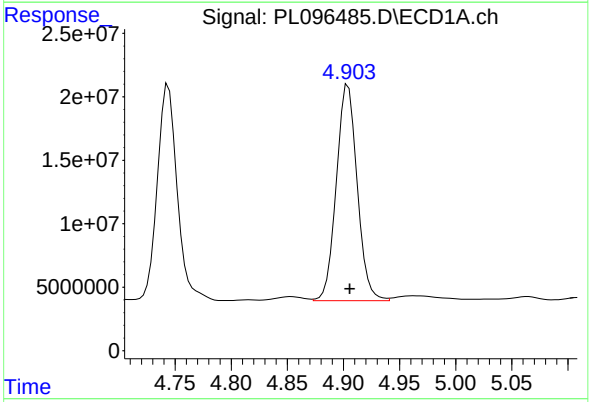
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Supervised By :mohammad ahmed 07/23/2025



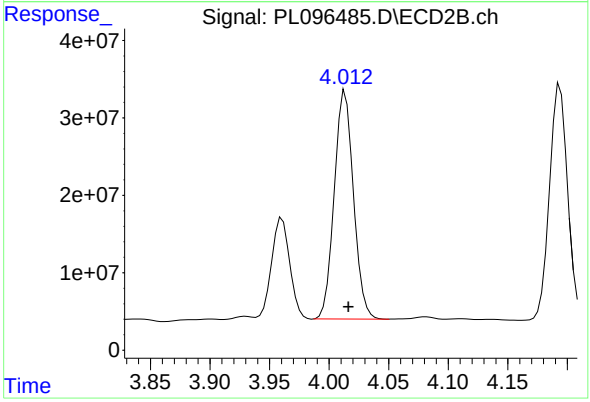
#3 gamma-BHC (Lindane)

R.T.: 3.664 min
Delta R.T.: -0.002 min
Response: 337702944
Conc: 42.88 ng/ml



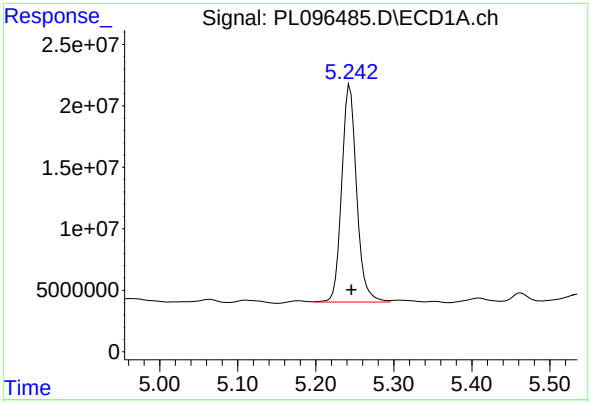
#4 Heptachlor

R.T.: 4.904 min
Delta R.T.: -0.001 min
Response: 220258730
Conc: 48.08 ng/ml



#4 Heptachlor

R.T.: 4.014 min
Delta R.T.: -0.003 min
Response: 330945867
Conc: 43.50 ng/ml



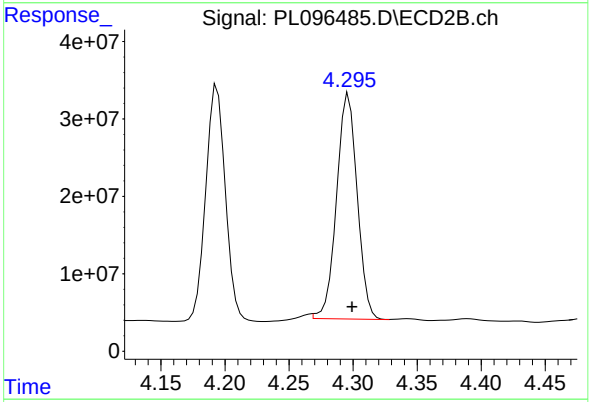
#5 Aldrin

R.T.: 5.242 min
Delta R.T.: -0.004 min
Response: 234059331
Conc: 48.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS

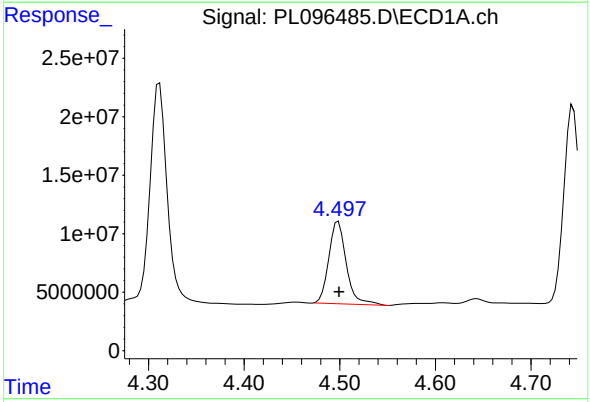
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Supervised By :mohammad ahmed 07/23/2025



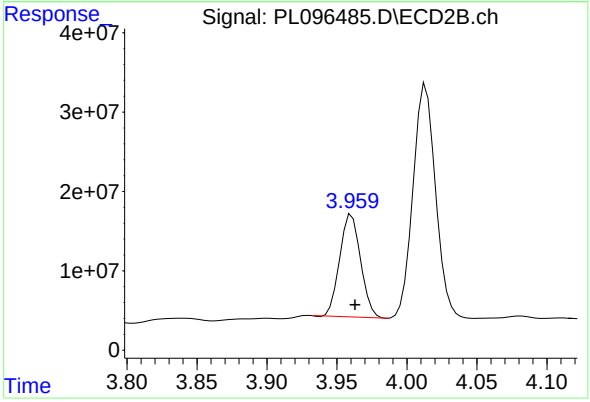
#5 Aldrin

R.T.: 4.295 min
Delta R.T.: -0.004 min
Response: 325376993
Conc: 44.60 ng/ml m



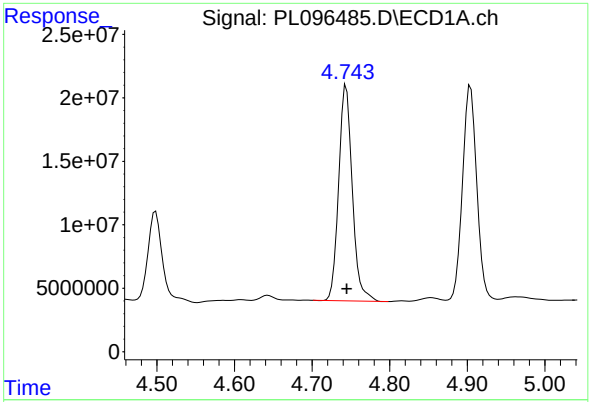
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: -0.001 min
Response: 89450562
Conc: 43.03 ng/ml



#6 beta-BHC

R.T.: 3.961 min
Delta R.T.: -0.002 min
Response: 134399340
Conc: 39.25 ng/ml



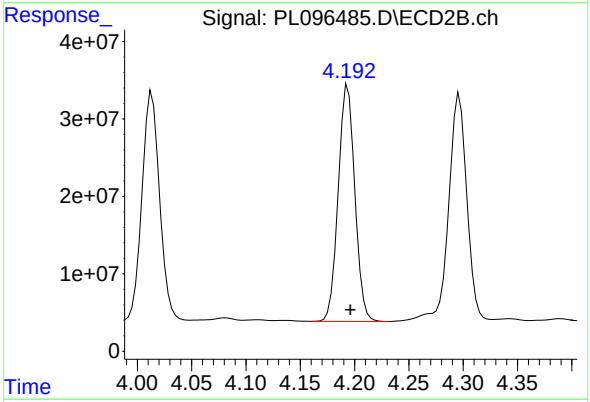
#7 delta-BHC

R.T.: 4.744 min
Delta R.T.: 0.000 min
Response: 207860865
Conc: 46.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS

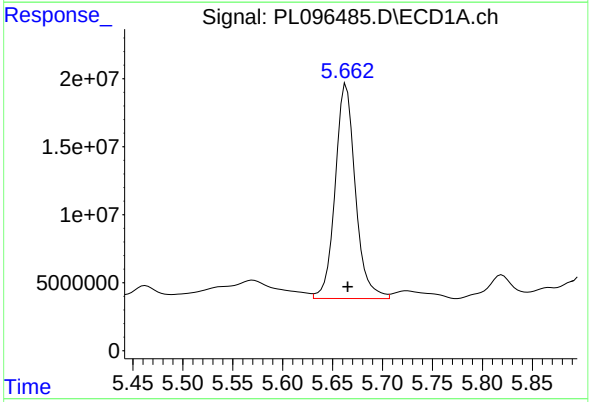
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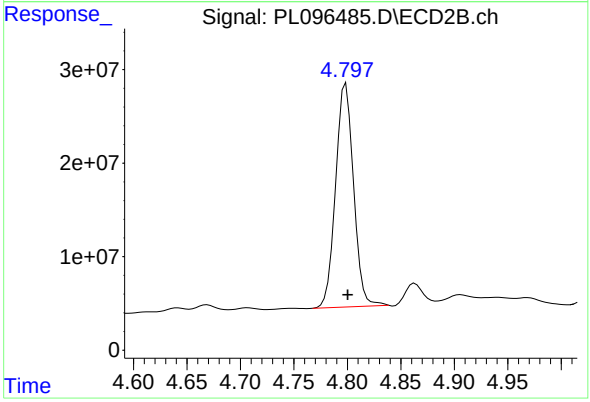
#7 delta-BHC

R.T.: 4.194 min
Delta R.T.: -0.002 min
Response: 325332332
Conc: 42.24 ng/ml



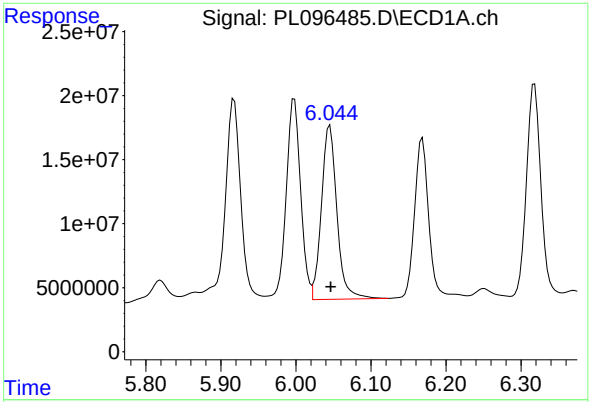
#8 Heptachlor epoxide

R.T.: 5.664 min
Delta R.T.: -0.002 min
Response: 222262155
Conc: 53.57 ng/ml



#8 Heptachlor epoxide

R.T.: 4.799 min
Delta R.T.: -0.002 min
Response: 280222115
Conc: 41.92 ng/ml



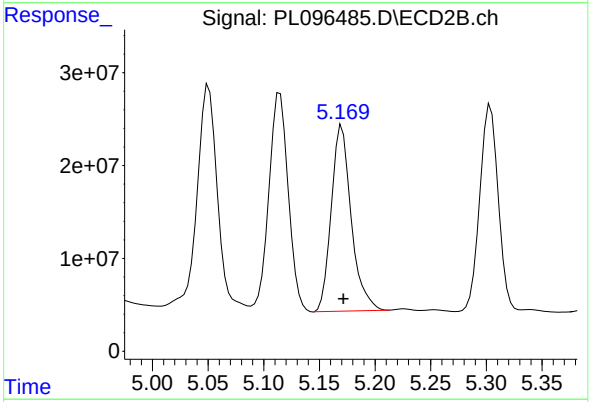
#9 Endosulfan I

R.T.: 6.045 min
Delta R.T.: -0.001 min
Response: 194505009
Conc: 48.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS

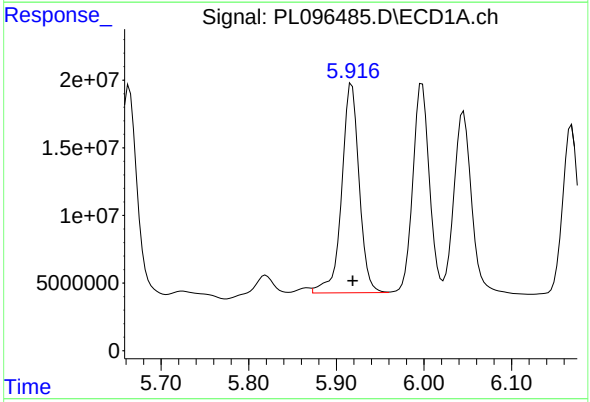
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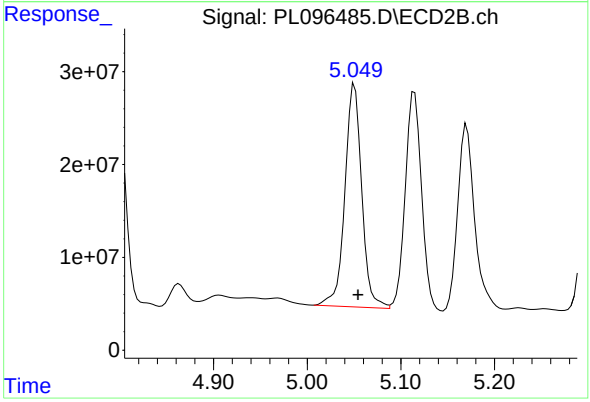
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: -0.001 min
Response: 249912652
Conc: 34.84 ng/ml



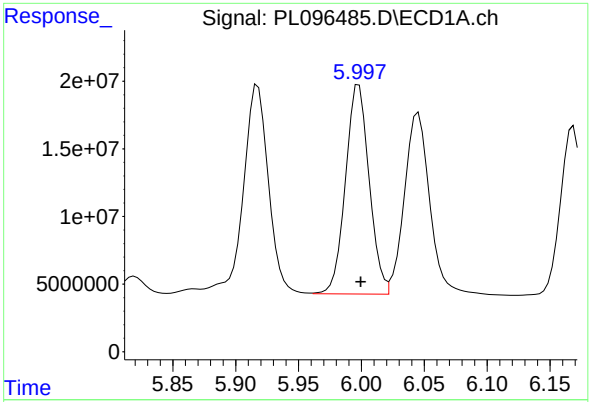
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: -0.003 min
Response: 214272849
Conc: 48.43 ng/ml m



#10 gamma-Chlordane

R.T.: 5.051 min
Delta R.T.: -0.004 min
Response: 301011434
Conc: 42.88 ng/ml



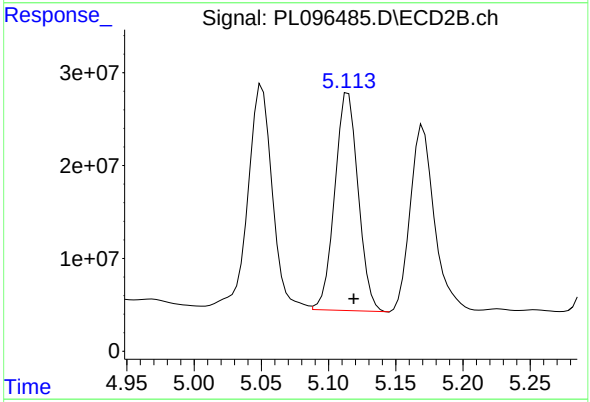
#11 alpha-Chlordane

R.T.: 5.997 min
Delta R.T.: -0.003 min
Response: 205563796
Conc: 46.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS

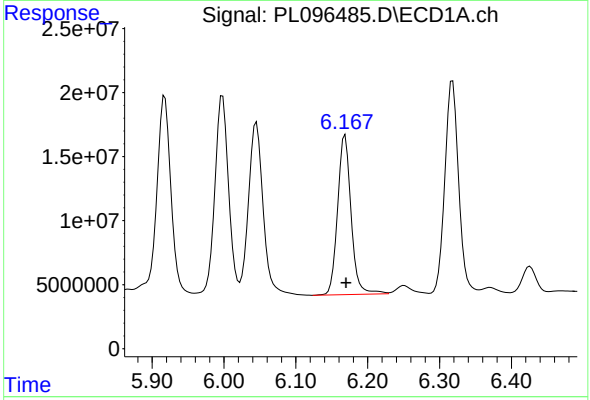
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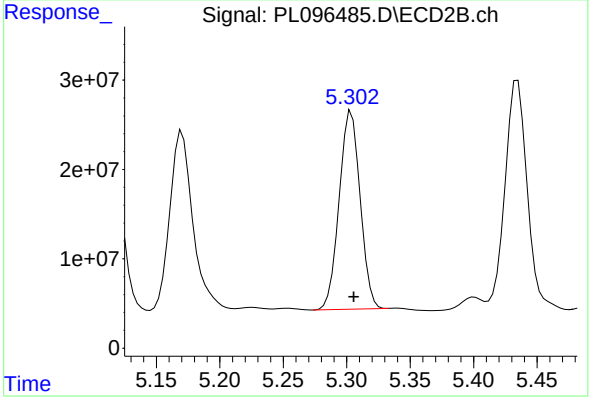
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.004 min
Response: 283125528
Conc: 37.65 ng/ml



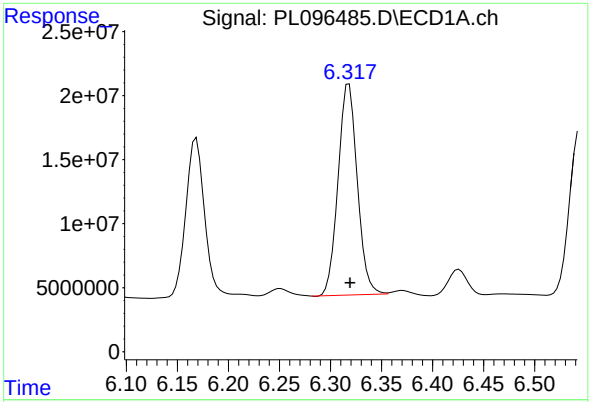
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: -0.001 min
Response: 162338558
Conc: 43.79 ng/ml



#12 4,4'-DDE

R.T.: 5.304 min
Delta R.T.: -0.002 min
Response: 254743071
Conc: 39.41 ng/ml



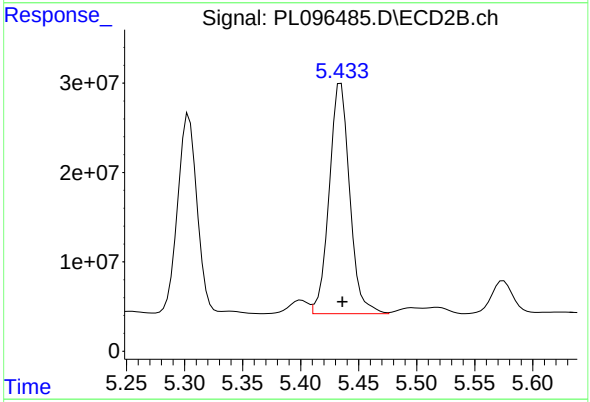
#13 Dieldrin

R.T.: 6.318 min
Delta R.T.: 0.000 min
Response: 216198759
Conc: 51.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS

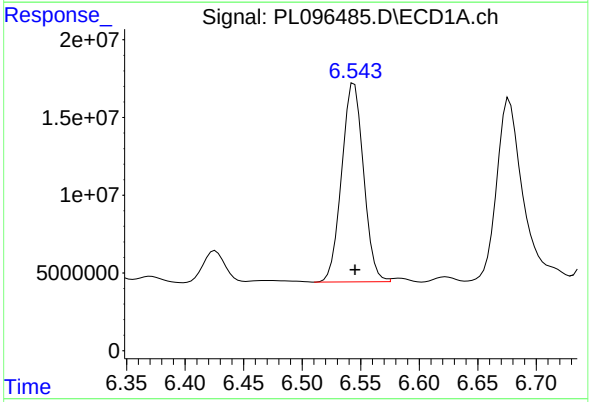
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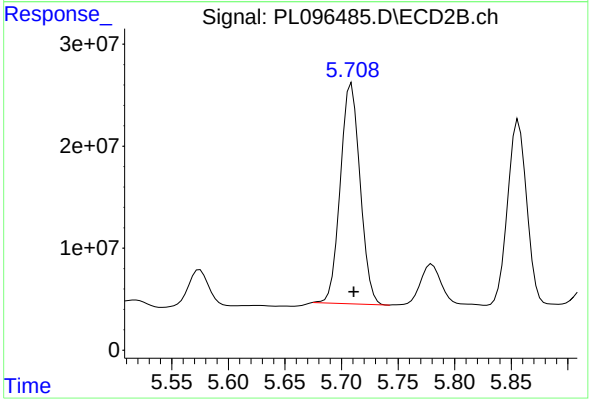
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: -0.001 min
Response: 317140615
Conc: 46.51 ng/ml



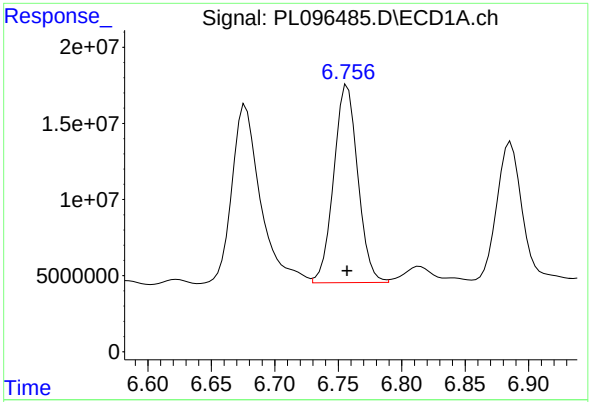
#14 Endrin

R.T.: 6.544 min
Delta R.T.: 0.000 min
Response: 166000838
Conc: 53.37 ng/ml



#14 Endrin

R.T.: 5.709 min
Delta R.T.: -0.002 min
Response: 262575142
Conc: 43.07 ng/ml



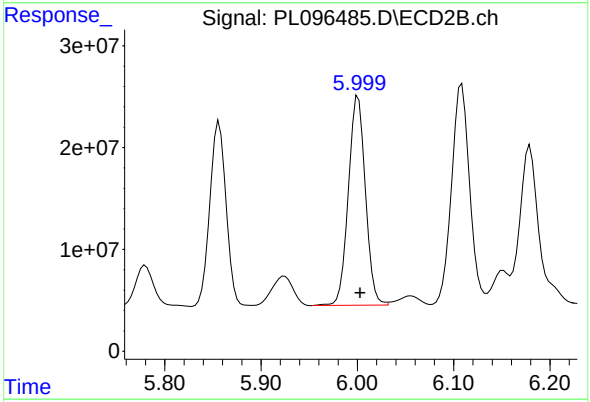
#15 Endosulfan II

R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 171613188
Conc: 49.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS

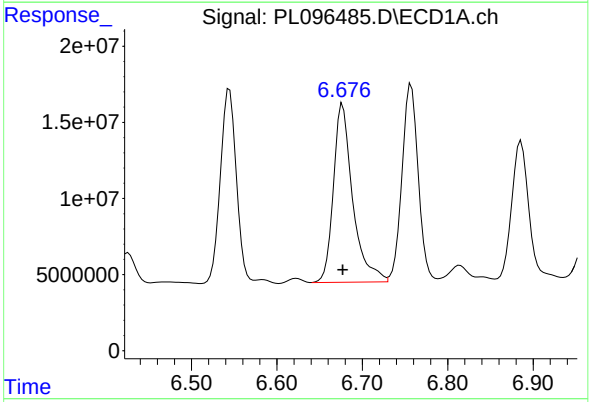
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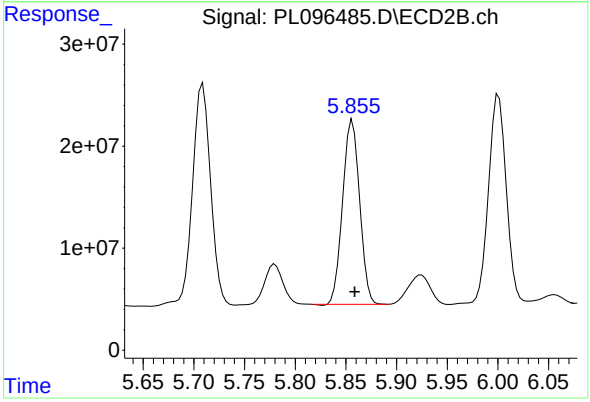
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: -0.002 min
Response: 252296729
Conc: 43.03 ng/ml



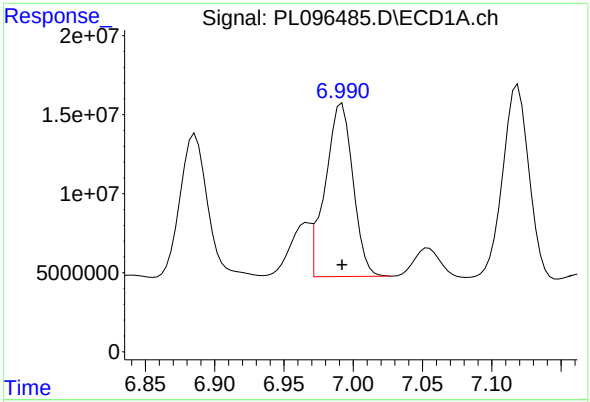
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 184374251
Conc: 63.32 ng/ml



#16 4,4'-DDD

R.T.: 5.856 min
Delta R.T.: -0.002 min
Response: 210352325
Conc: 41.01 ng/ml



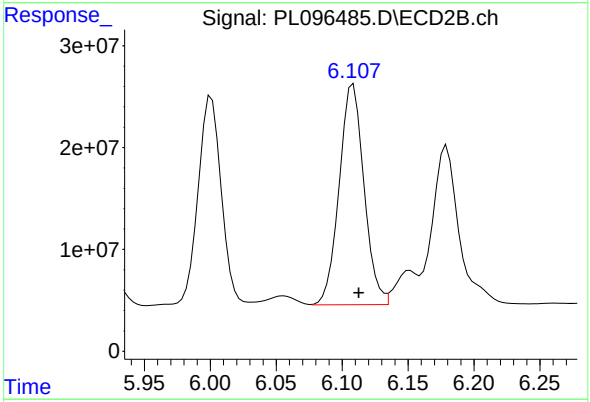
#17 4,4'-DDT

R.T.: 6.990 min
Delta R.T.: -0.001 min
Response: 149484765
Conc: 49.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS

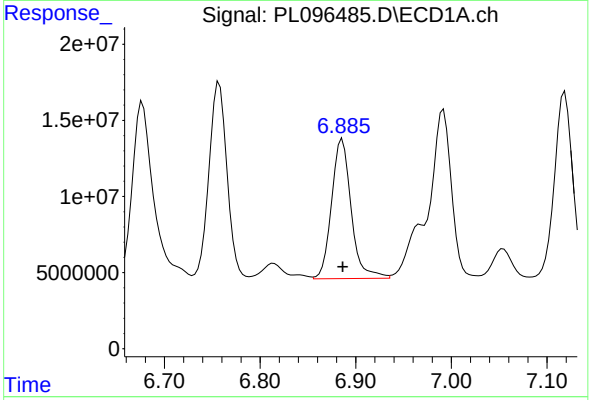
Manual Integrations
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Supervised By :mohammad ahmed 07/23/2025



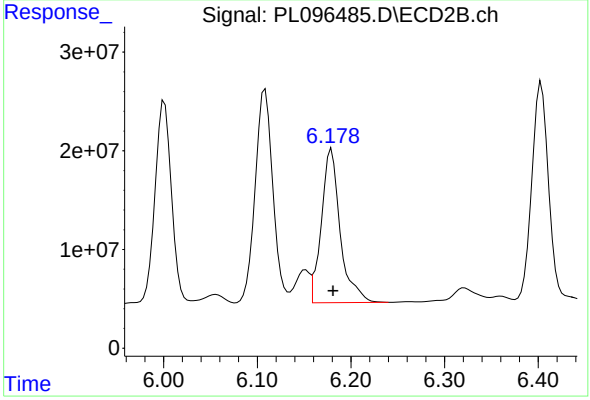
#17 4,4'-DDT

R.T.: 6.108 min
Delta R.T.: -0.004 min
Response: 283200636
Conc: 49.38 ng/ml



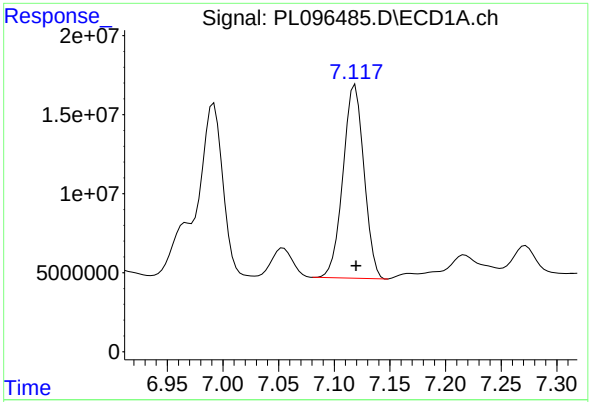
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 130703369
Conc: 58.47 ng/ml



#18 Endrin aldehyde

R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 217892290
Conc: 48.91 ng/ml



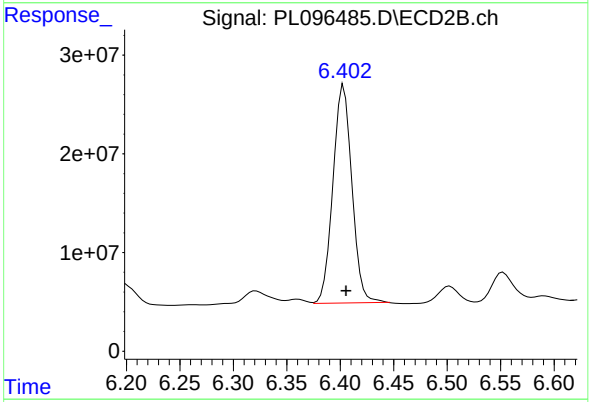
#19 Endosulfan Sulfate

R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 160588718
Conc: 52.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS

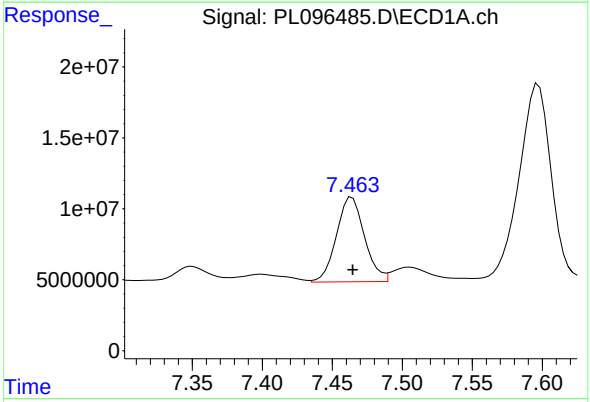
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Supervised By :mohammad ahmed 07/23/2025



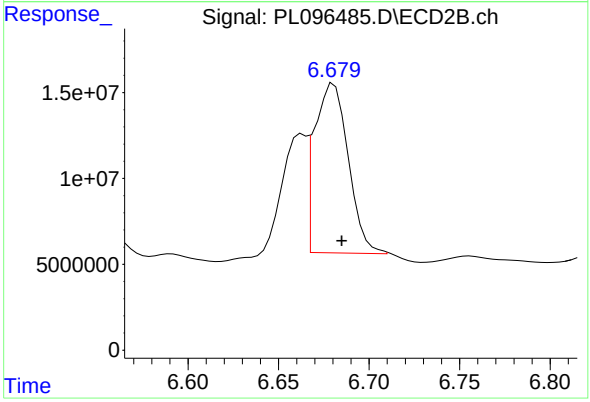
#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: -0.002 min
Response: 272912925
Conc: 48.52 ng/ml



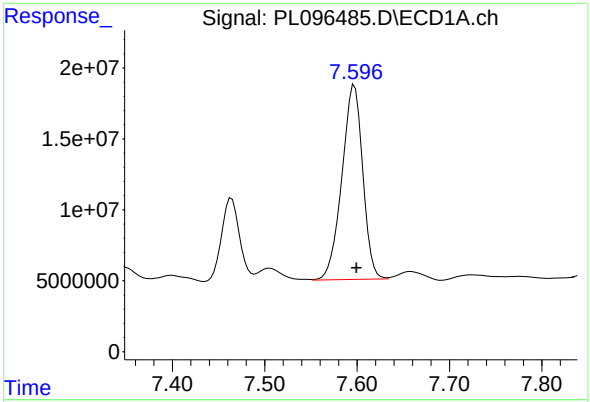
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 83440702
Conc: 52.96 ng/ml



#20 Methoxychlor

R.T.: 6.679 min
Delta R.T.: -0.006 min
Response: 122976960
Conc: 40.48 ng/ml m



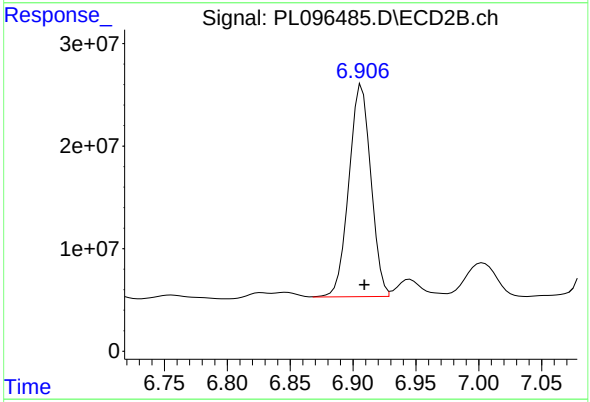
#21 Endrin ketone

R.T.: 7.596 min
Delta R.T.: -0.004 min
Response: 215005554
Conc: 65.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS

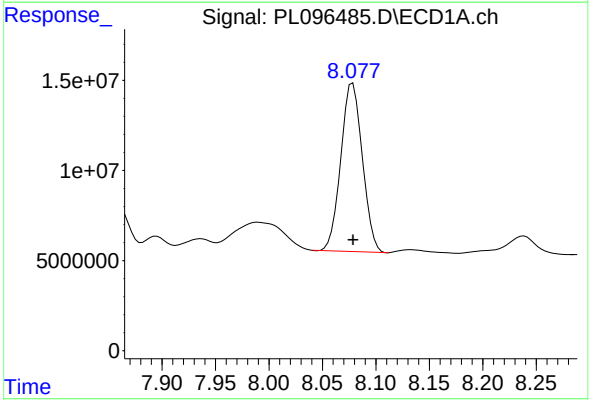
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



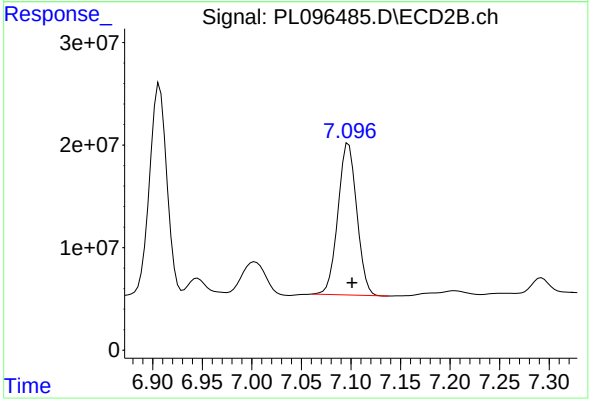
#21 Endrin ketone

R.T.: 6.906 min
Delta R.T.: -0.003 min
Response: 252480034
Conc: 40.38 ng/ml m



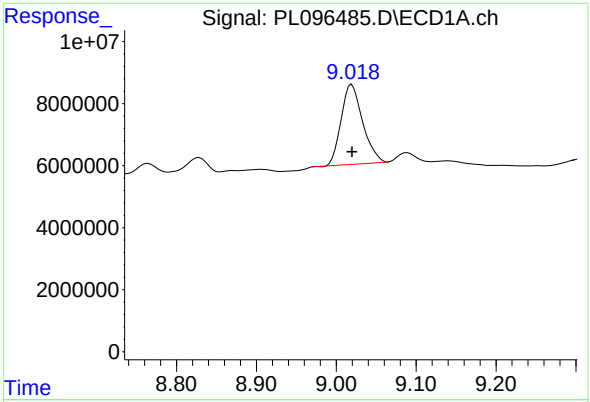
#22 Mirex

R.T.: 8.078 min
Delta R.T.: 0.000 min
Response: 131041880
Conc: 47.10 ng/ml



#22 Mirex

R.T.: 7.098 min
Delta R.T.: -0.003 min
Response: 195865261
Conc: 39.42 ng/ml



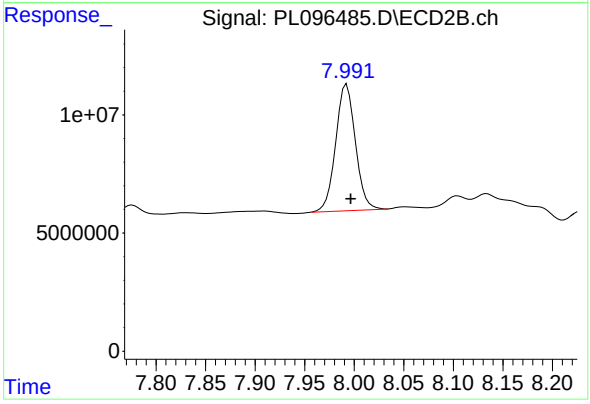
#28 Decachlorobiphenyl

R.T.: 9.019 min
Delta R.T.: 0.000 min
Response: 48153844
Conc: 17.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: -0.004 min
Response: 73981879
Conc: 14.84 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/17/25
Client Sample ID:	RT2286MSD	SDG No.:	Q2638
Lab Sample ID:	Q2635-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	84.8 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
PL096486.D	1	07/21/25 08:30	07/21/25 14:19	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.019		0.00015	0.00039	0.0020	mg/Kg
319-85-7	beta-BHC	0.017		0.00021	0.00098	0.0020	mg/Kg
319-86-8	delta-BHC	0.018		0.00046	0.00098	0.0020	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.019		0.00016	0.00039	0.0020	mg/Kg
76-44-8	Heptachlor	0.019		0.00014	0.00039	0.0020	mg/Kg
309-00-2	Aldrin	0.019		0.00014	0.00039	0.0020	mg/Kg
1024-57-3	Heptachlor epoxide	0.021		0.00022	0.00098	0.0020	mg/Kg
959-98-8	Endosulfan I	0.019		0.00016	0.00039	0.0020	mg/Kg
60-57-1	Dieldrin	0.020		0.00016	0.00039	0.0020	mg/Kg
72-55-9	4,4-DDE	0.017		0.00016	0.00039	0.0020	mg/Kg
72-20-8	Endrin	0.021		0.00016	0.00039	0.0020	mg/Kg
33213-65-9	Endosulfan II	0.019		0.00034	0.00098	0.0020	mg/Kg
72-54-8	4,4-DDD	0.025	P	0.00018	0.00039	0.0020	mg/Kg
1031-07-8	Endosulfan Sulfate	0.020		0.00015	0.00039	0.0020	mg/Kg
50-29-3	4,4-DDT	0.020		0.00016	0.00039	0.0020	mg/Kg
72-43-5	Methoxychlor	0.021		0.00044	0.00098	0.0020	mg/Kg
53494-70-5	Endrin ketone	0.026	P	0.00022	0.00098	0.0020	mg/Kg
7421-93-4	Endrin aldehyde	0.023		0.00044	0.00098	0.0020	mg/Kg
5103-71-9	alpha-Chlordane	0.019		0.00014	0.00039	0.0020	mg/Kg
5103-74-2	gamma-Chlordane	0.019		0.00018	0.00039	0.0020	mg/Kg
8001-35-2	Toxaphene	0.020	U	0.0064	0.020	0.039	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	16.6		55 - 130		83%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.2		42 - 129		91%	SPK: 20

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/17/25
Client Sample ID:	RT2286MSD	SDG No.:	Q2638
Lab Sample ID:	Q2635-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	84.8 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
PL096486.D	1	07/21/25 08:30	07/21/25 14:19	PB168928

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\PL072125\
Data File : PL096486.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:19
Operator : AR\AJ
Sample : Q2635-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RT2286MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:45:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.534	2.828	66323622	99006316	18.176m	17.155
28)	SA Decachlor...	9.020	7.994	46546754	70632540	16.547	14.165
	Target Compounds						
2)	A alpha-BHC	3.983	3.333	248.3E6	369.9E6	48.269	43.858
3)	MA gamma-BHC...	4.310	3.665	234.8E6	338.8E6	47.151m	43.013
4)	MA Heptachlor	4.904	4.014	219.1E6	331.0E6	47.821	43.507
5)	MB Aldrin	5.242	4.295	231.6E6	326.1E6	47.911m	44.691m
6)	B beta-BHC	4.498	3.961	89453895	134.6E6	43.032	39.312
7)	B delta-BHC	4.744	4.194	207.4E6	325.2E6	46.285	42.219
8)	B Heptachlo...	5.664	4.799	220.2E6	280.3E6	53.068	41.924
9)	A Endosulfan I	6.046	5.171	192.0E6	249.1E6	47.566	34.726 #
10)	B gamma-Chl...	5.916	5.051	210.2E6	300.5E6	47.513m	42.809
11)	B alpha-Chl...	5.998	5.115	208.6E6	281.9E6	47.637	37.485
12)	B 4,4'-DDE	6.168	5.304	161.2E6	252.7E6	43.477	39.103
13)	MA Dieldrin	6.318	5.435	212.6E6	311.9E6	50.278	45.738
14)	MA Endrin	6.545	5.708	164.0E6	261.5E6	52.722	42.893m
15)	B Endosulfa...	6.757	6.001	170.4E6	249.3E6	49.117	42.523
16)	A 4,4'-DDD	6.677	5.857	184.0E6	207.3E6	63.201	40.411 #
17)	MA 4,4'-DDT	6.991	6.109	153.6E6	278.2E6	50.617	48.506
18)	B Endrin al...	6.886	6.179	128.7E6	215.1E6	57.552	48.277
19)	B Endosulfa...	7.119	6.403	158.0E6	267.9E6	51.664	47.623
20)	A Methoxychlor	7.464	6.680	82126176	126.2E6	52.130	41.559m
21)	B Endrin ke...	7.597	6.907	215.1E6	235.9E6	65.153	37.735 #
22)	Mirex	8.079	7.098	129.8E6	190.2E6	46.652	38.279

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

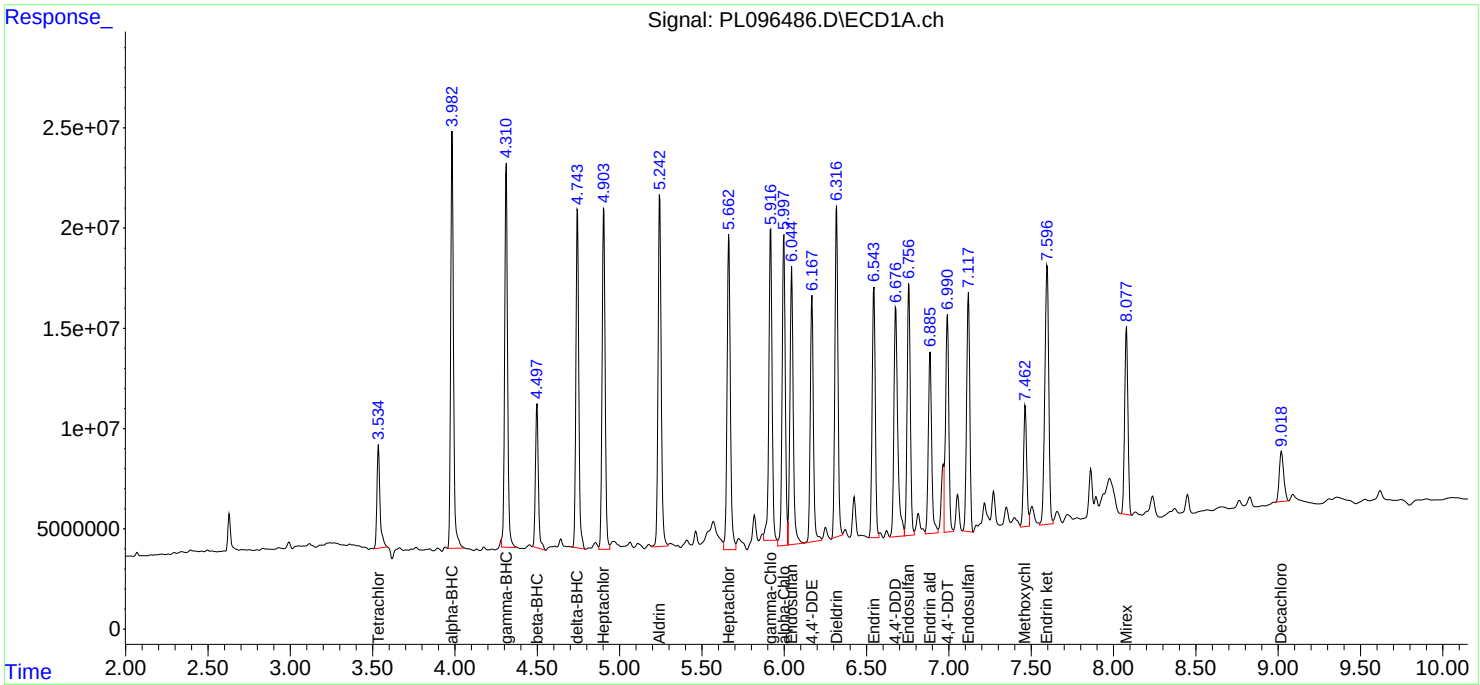
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096486.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:19
Operator : AR\AJ
Sample : Q2635-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

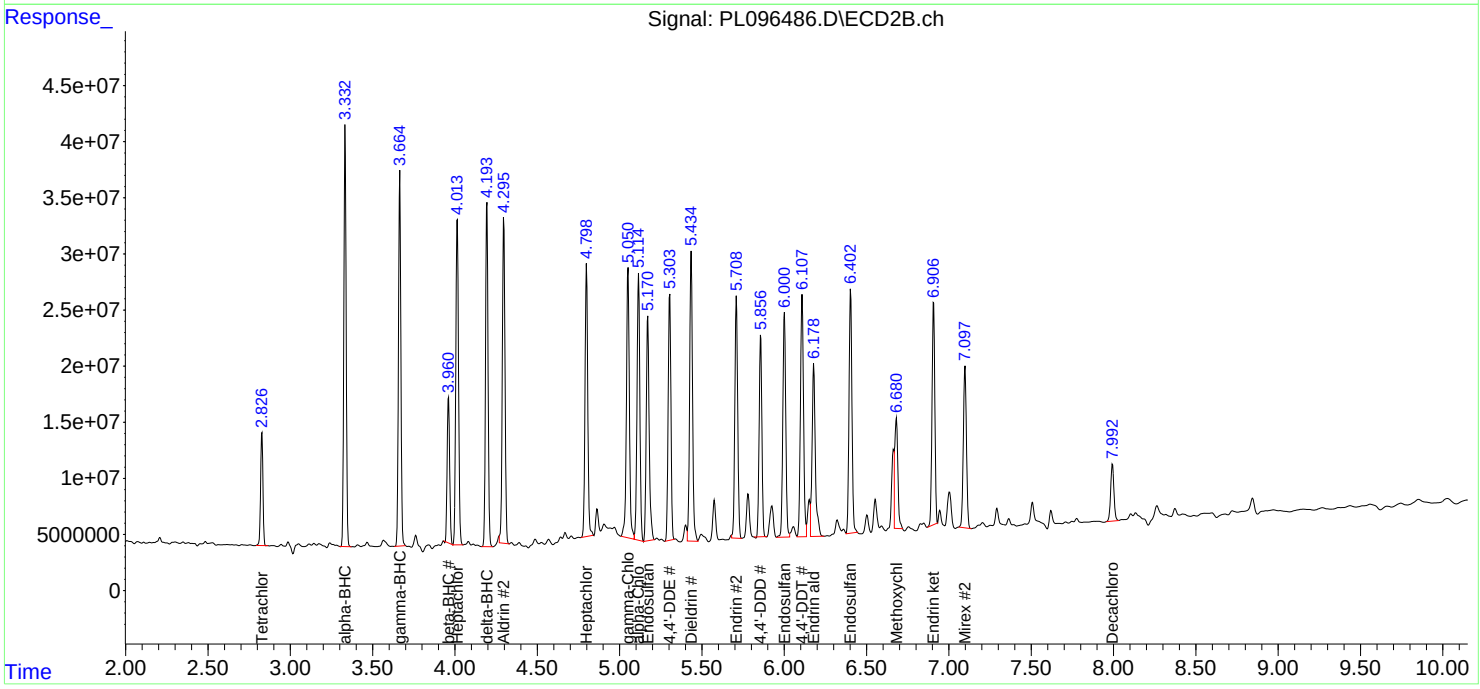
Instrument :
ECD_L
ClientSampleId :
RT2286MSD

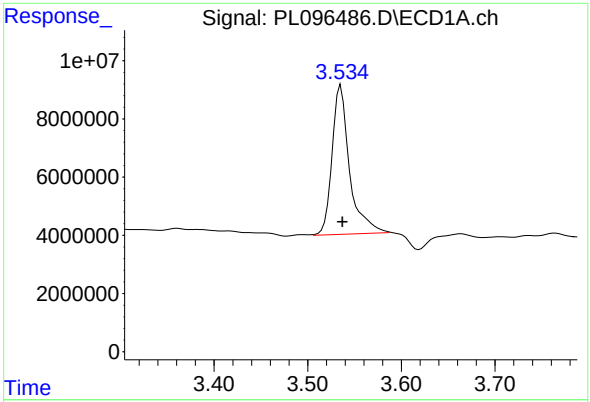
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:45:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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







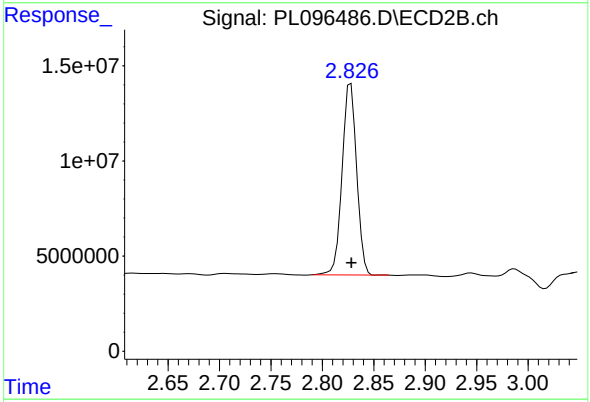
#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: -0.003 min
Response: 66323622
Conc: 18.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD

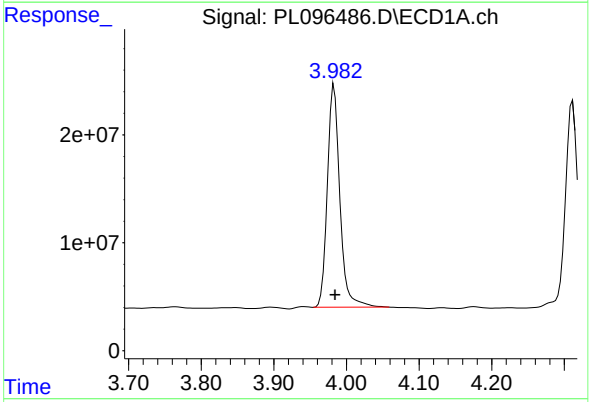
Manual Integrations APPROVED

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Supervised By :mohammad ahmed 07/23/2025



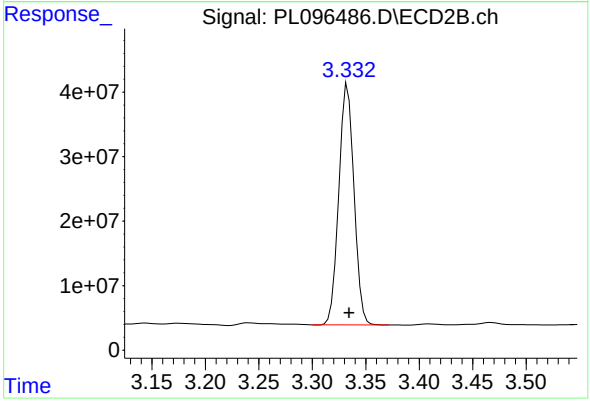
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 99006316
Conc: 17.16 ng/ml



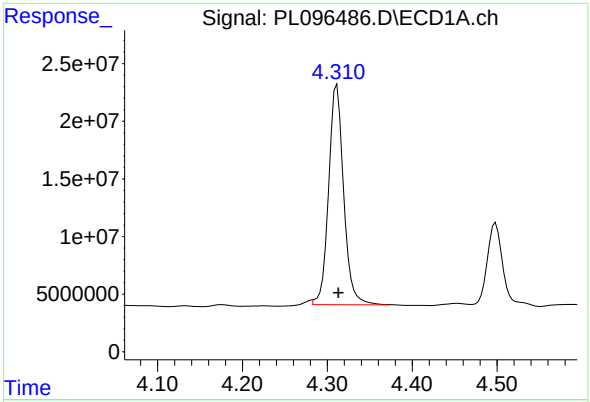
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: -0.001 min
Response: 248255323
Conc: 48.27 ng/ml



#2 alpha-BHC

R.T.: 3.333 min
Delta R.T.: -0.001 min
Response: 369910903
Conc: 43.86 ng/ml



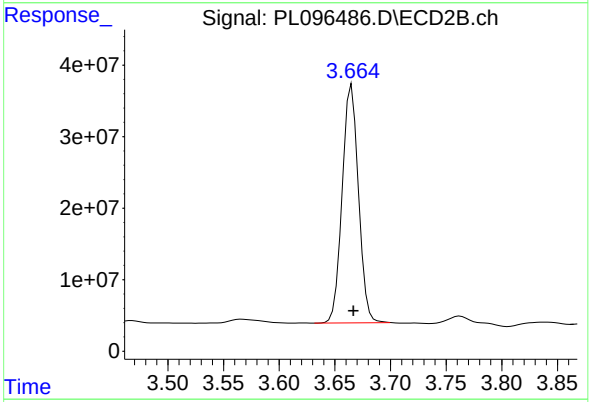
#3 gamma-BHC (Lindane)

R.T.: 4.310 min
Delta R.T.: -0.003 min
Response: 234793480
Conc: 47.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD

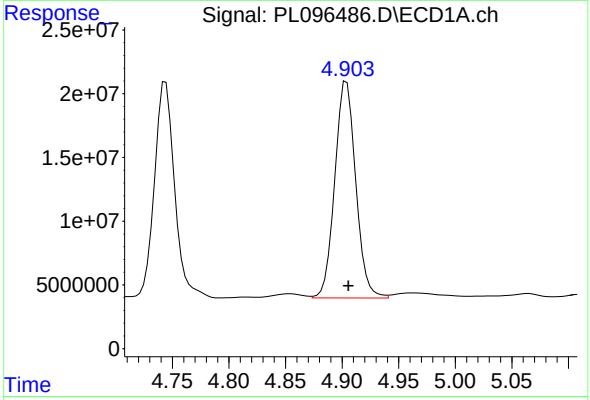
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Supervised By :mohammad ahmed 07/23/2025



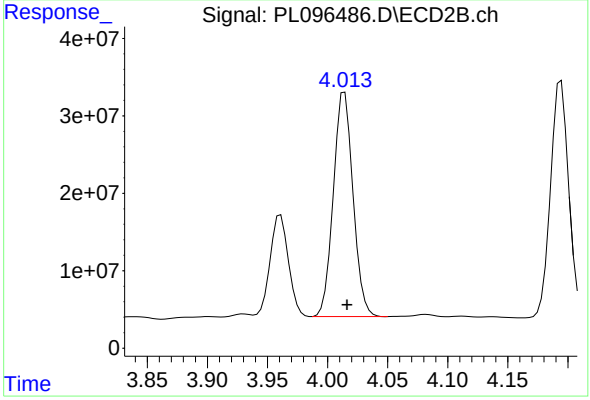
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: -0.001 min
Response: 338760978
Conc: 43.01 ng/ml



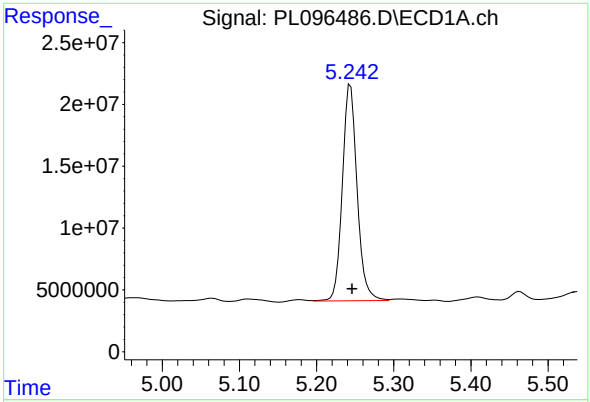
#4 Heptachlor

R.T.: 4.904 min
Delta R.T.: -0.001 min
Response: 219080076
Conc: 47.82 ng/ml



#4 Heptachlor

R.T.: 4.014 min
Delta R.T.: -0.002 min
Response: 330991751
Conc: 43.51 ng/ml



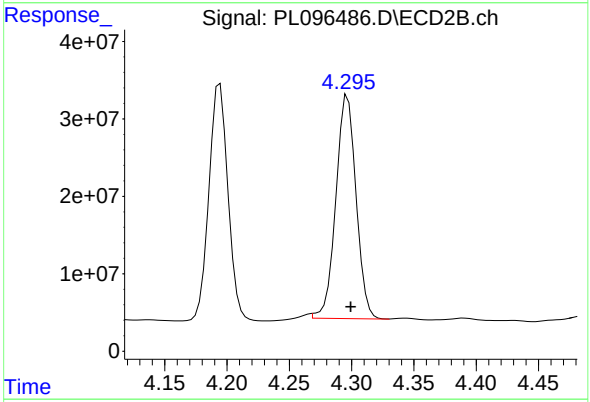
#5 Aldrin

R.T.: 5.242 min
Delta R.T.: -0.003 min
Response: 231588536
Conc: 47.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD

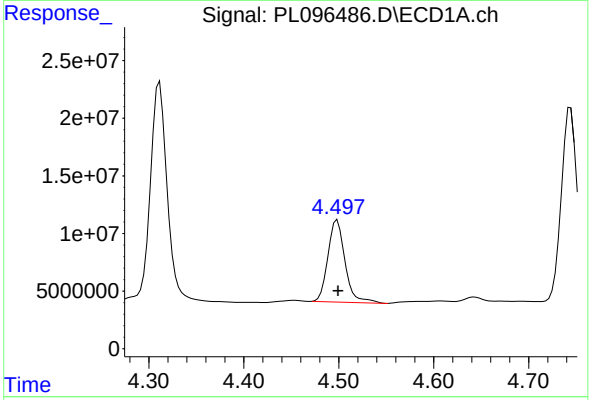
Manual Integrations APPROVED

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Supervised By :mohammad ahmed 07/23/2025



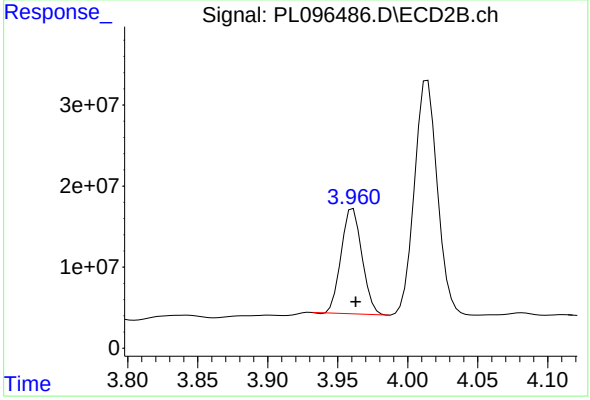
#5 Aldrin

R.T.: 4.295 min
Delta R.T.: -0.004 min
Response: 326051055
Conc: 44.69 ng/ml m



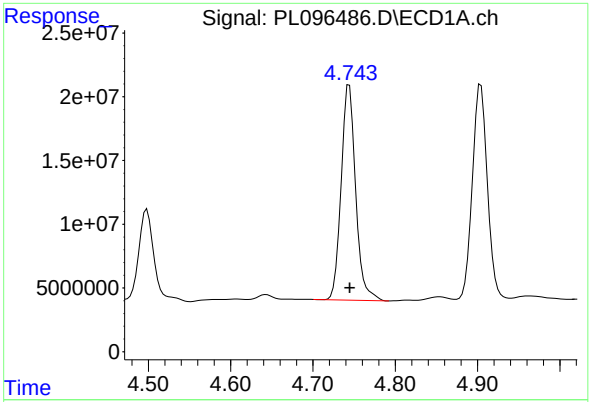
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: -0.001 min
Response: 89453895
Conc: 43.03 ng/ml



#6 beta-BHC

R.T.: 3.961 min
Delta R.T.: -0.002 min
Response: 134601742
Conc: 39.31 ng/ml



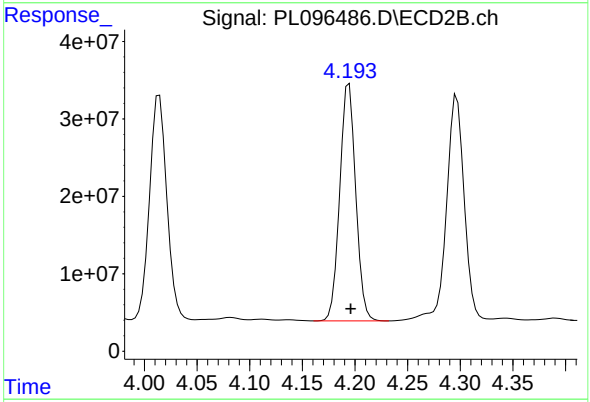
#7 delta-BHC

R.T.: 4.744 min
Delta R.T.: 0.000 min
Response: 207417305
Conc: 46.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD

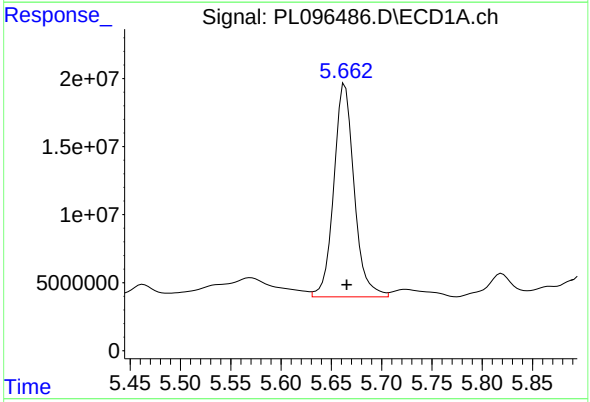
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



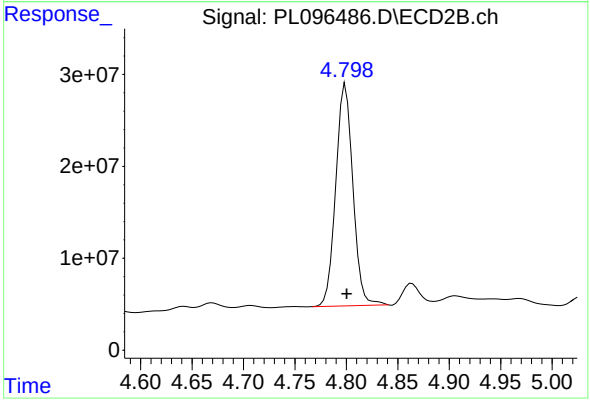
#7 delta-BHC

R.T.: 4.194 min
Delta R.T.: -0.002 min
Response: 325166817
Conc: 42.22 ng/ml



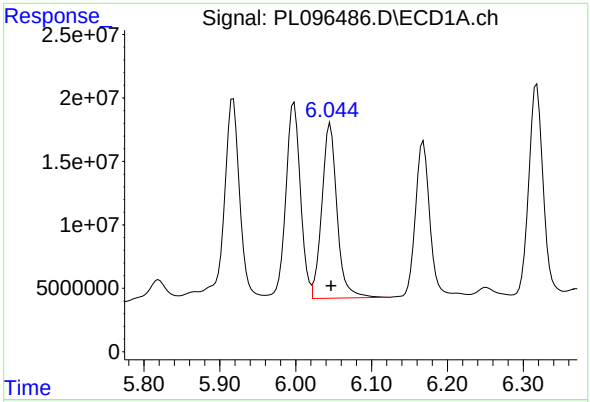
#8 Heptachlor epoxide

R.T.: 5.664 min
Delta R.T.: -0.002 min
Response: 220187841
Conc: 53.07 ng/ml



#8 Heptachlor epoxide

R.T.: 4.799 min
Delta R.T.: -0.001 min
Response: 280258916
Conc: 41.92 ng/ml



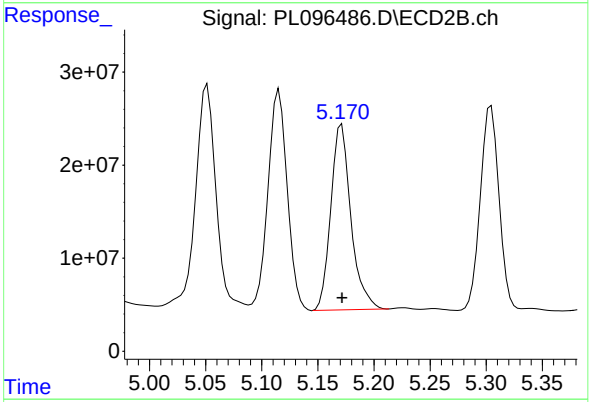
#9 Endosulfan I

R.T.: 6.046 min
Delta R.T.: -0.001 min
Response: 192034717
Conc: 47.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD

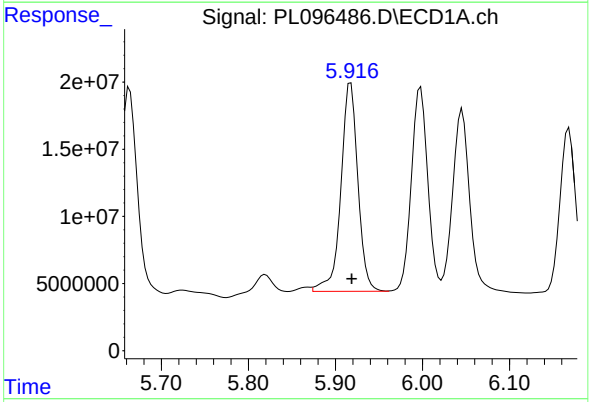
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



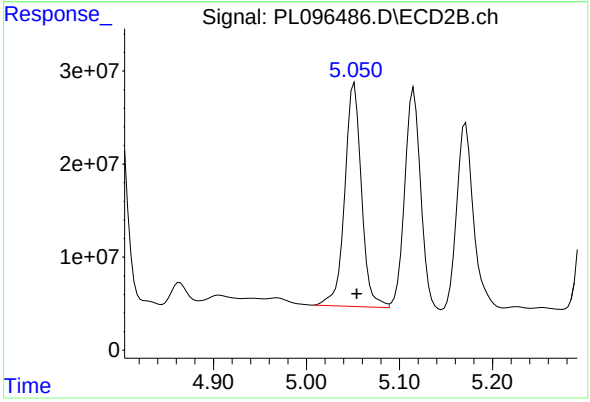
#9 Endosulfan I

R.T.: 5.171 min
Delta R.T.: 0.000 min
Response: 249129255
Conc: 34.73 ng/ml



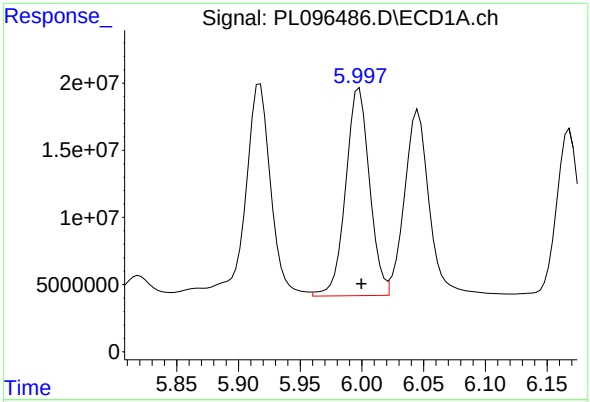
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: -0.003 min
Response: 210234595
Conc: 47.51 ng/ml m



#10 gamma-Chlordane

R.T.: 5.051 min
Delta R.T.: -0.003 min
Response: 300509123
Conc: 42.81 ng/ml



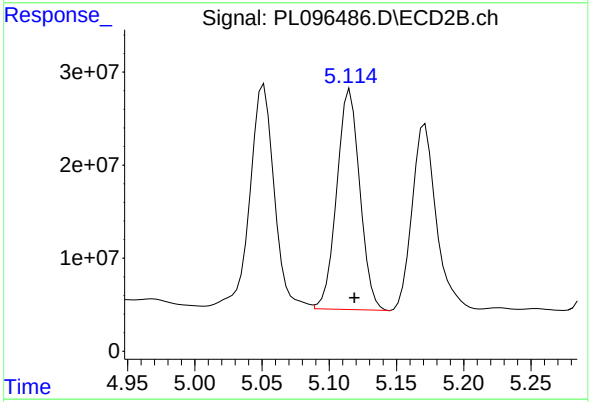
#11 alpha-Chlordane

R.T.: 5.998 min
Delta R.T.: -0.002 min
Response: 208594827
Conc: 47.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD

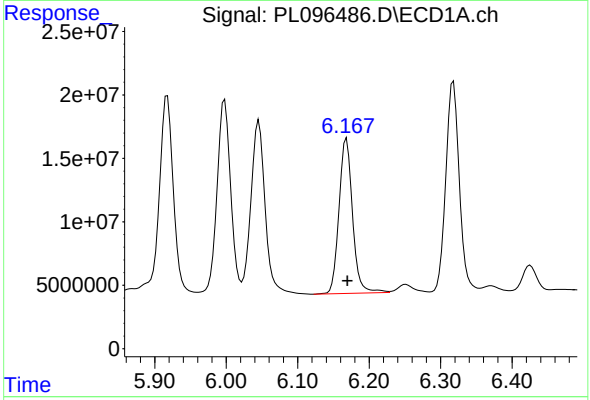
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



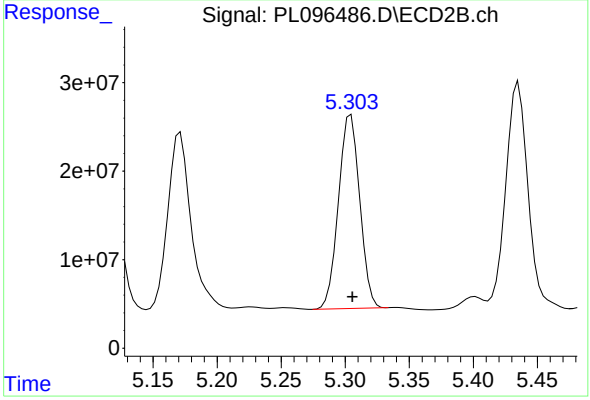
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.003 min
Response: 281895230
Conc: 37.48 ng/ml



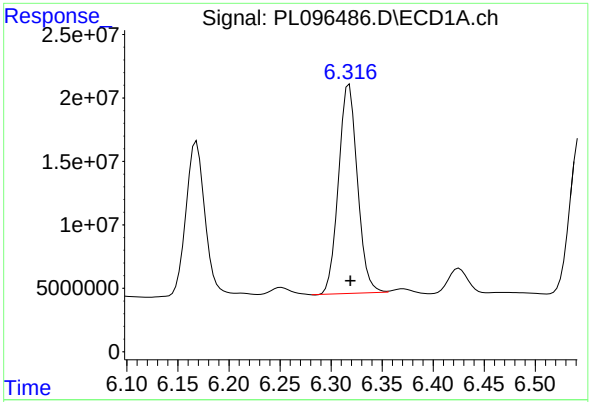
#12 4,4'-DDE

R.T.: 6.168 min
Delta R.T.: -0.001 min
Response: 161188898
Conc: 43.48 ng/ml



#12 4,4'-DDE

R.T.: 5.304 min
Delta R.T.: -0.001 min
Response: 252748541
Conc: 39.10 ng/ml



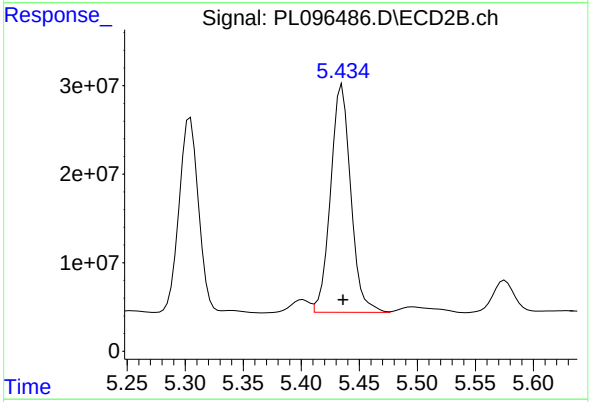
#13 Dieldrin

R.T.: 6.318 min
Delta R.T.: -0.001 min
Response: 212595047
Conc: 50.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD

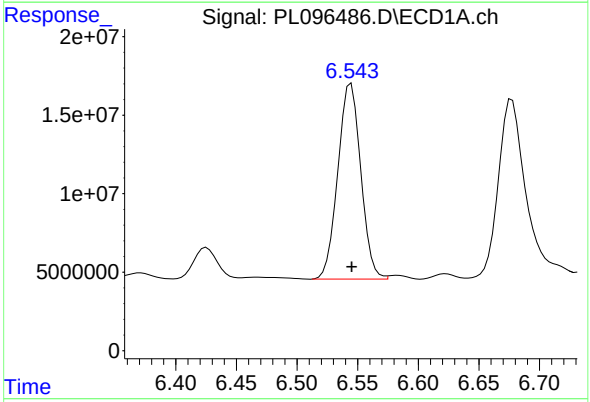
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Supervised By :mohammad ahmed 07/23/2025



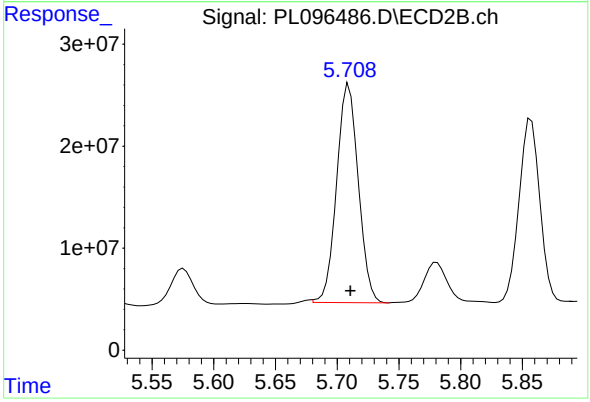
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: 0.000 min
Response: 311900838
Conc: 45.74 ng/ml



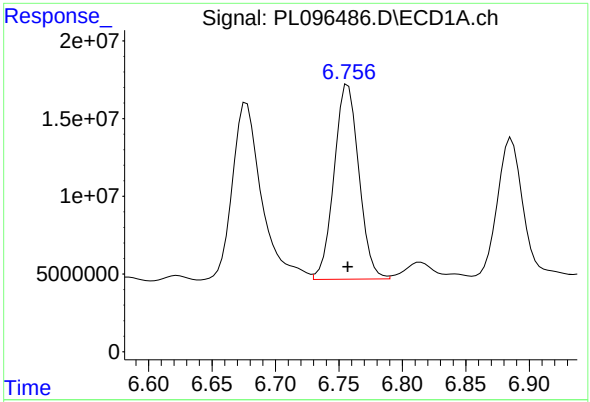
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 163977880
Conc: 52.72 ng/ml



#14 Endrin

R.T.: 5.708 min
Delta R.T.: -0.003 min
Response: 261498247
Conc: 42.89 ng/ml m



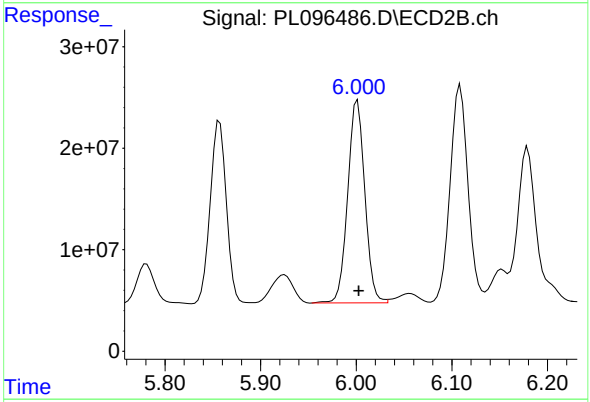
#15 Endosulfan II

R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 170438313
Conc: 49.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD

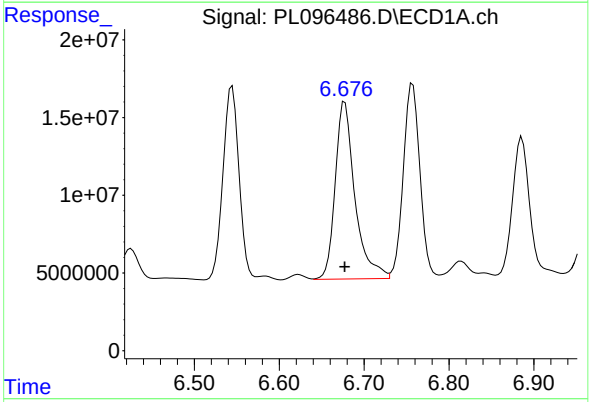
Manual Integrations
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Supervised By :mohammad ahmed 07/23/2025



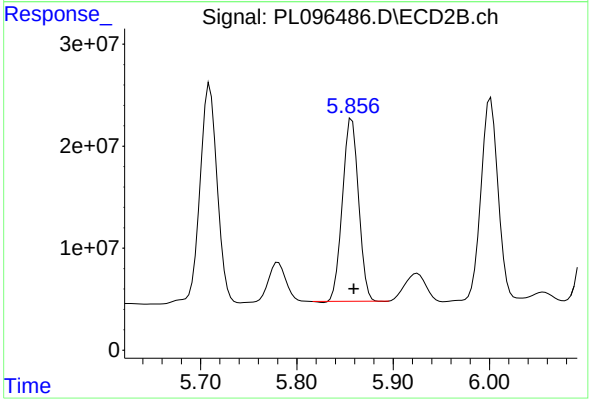
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: -0.001 min
Response: 249347370
Conc: 42.52 ng/ml



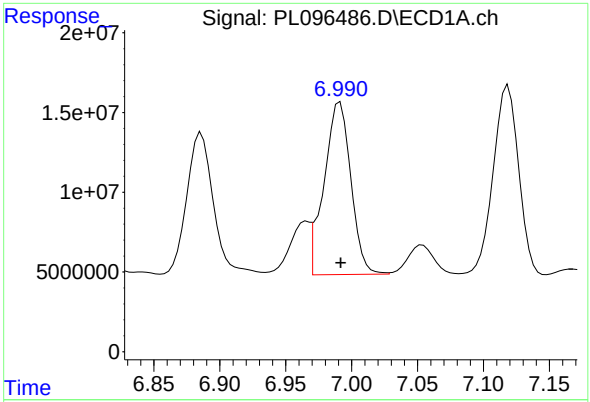
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 184022980
Conc: 63.20 ng/ml



#16 4,4'-DDD

R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 207253912
Conc: 40.41 ng/ml



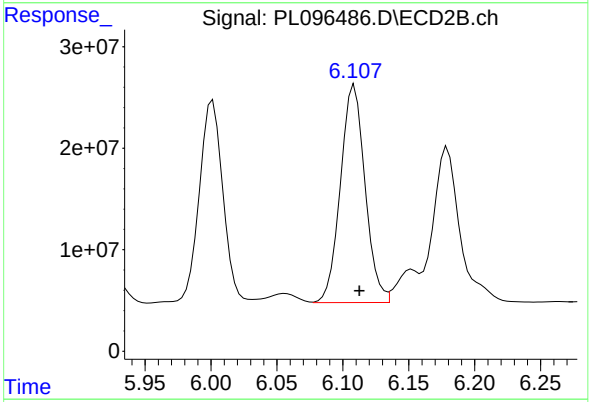
#17 4,4'-DDT

R.T.: 6.991 min
Delta R.T.: 0.000 min
Response: 153631870
Conc: 50.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD

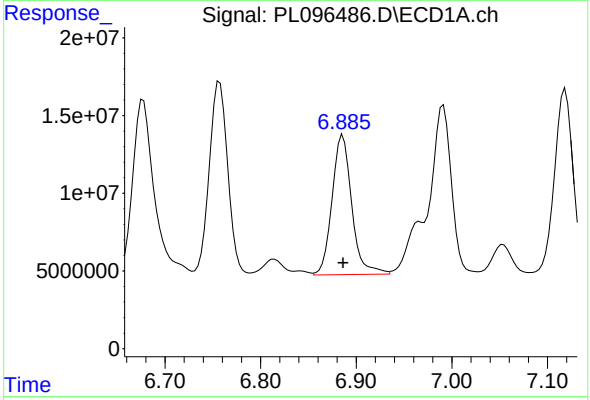
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Supervised By :mohammad ahmed 07/23/2025



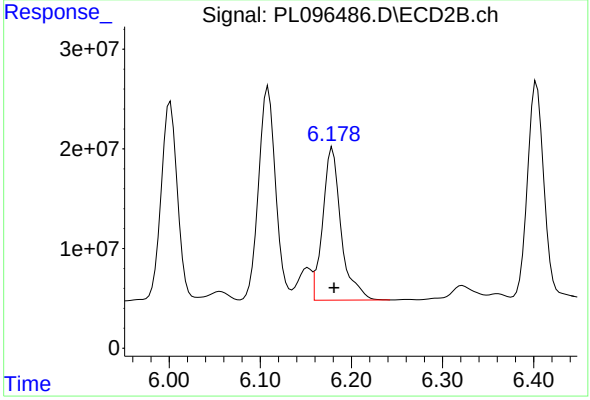
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: -0.004 min
Response: 278186278
Conc: 48.51 ng/ml



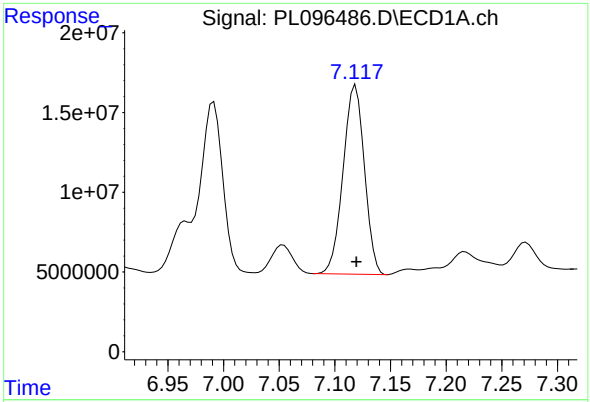
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 128660097
Conc: 57.55 ng/ml



#18 Endrin aldehyde

R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 215056220
Conc: 48.28 ng/ml



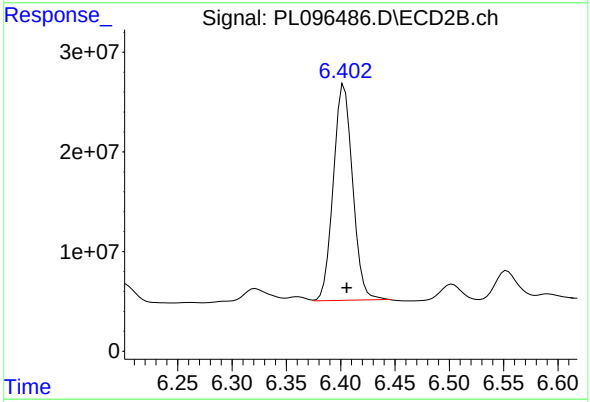
#19 Endosulfan Sulfate

R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 158031598
Conc: 51.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD

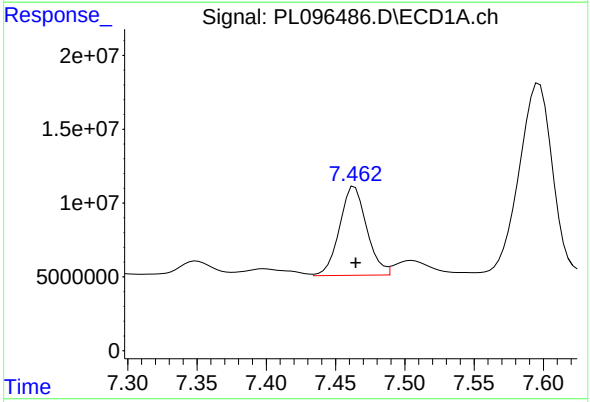
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Supervised By :mohammad ahmed 07/23/2025



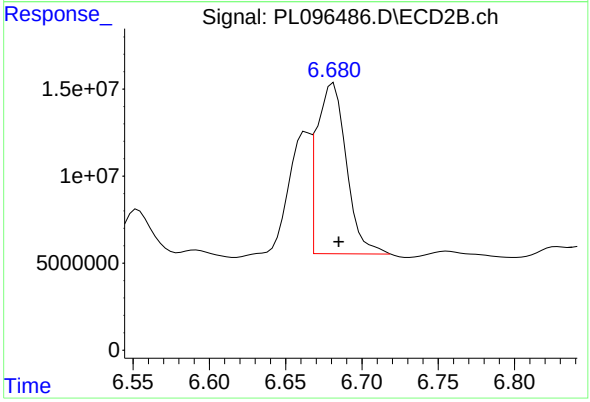
#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: -0.002 min
Response: 267851671
Conc: 47.62 ng/ml



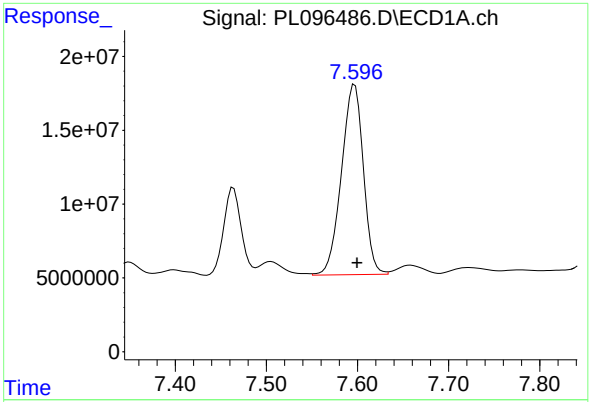
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 82126176
Conc: 52.13 ng/ml



#20 Methoxychlor

R.T.: 6.680 min
Delta R.T.: -0.005 min
Response: 126247912
Conc: 41.56 ng/ml m



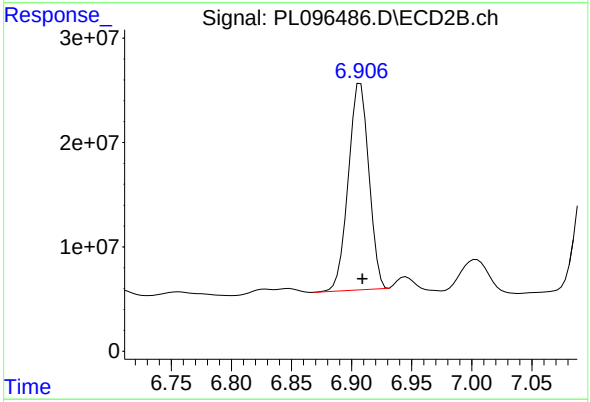
#21 Endrin ketone

R.T.: 7.597 min
Delta R.T.: -0.002 min
Response: 215112605
Conc: 65.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD

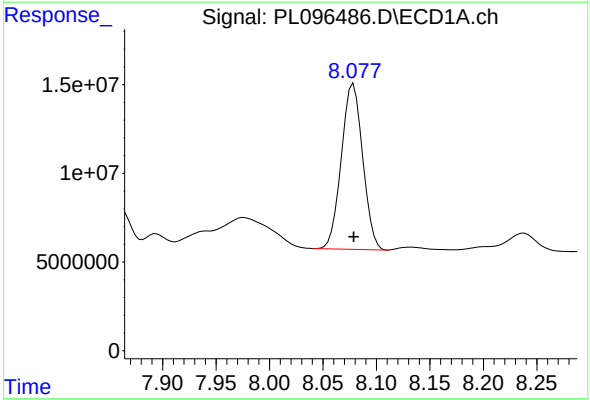
Manual Integrations
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Supervised By :mohammad ahmed 07/23/2025



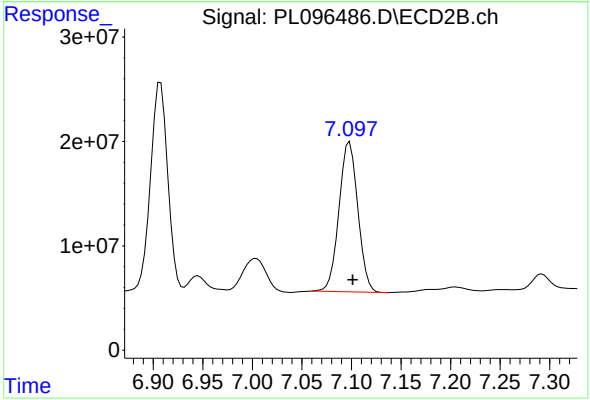
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: -0.002 min
Response: 235926998
Conc: 37.73 ng/ml



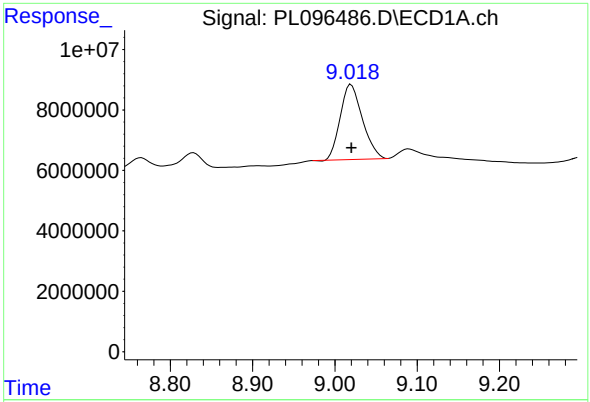
#22 Mirex

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 129796050
Conc: 46.65 ng/ml



#22 Mirex

R.T.: 7.098 min
Delta R.T.: -0.003 min
Response: 190179361
Conc: 38.28 ng/ml



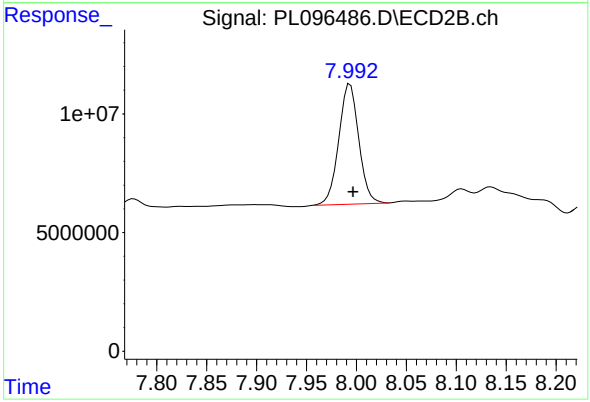
#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 46546754
Conc: 16.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD

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#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 70632540
Conc: 14.16 ng/ml

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Manual Integration Report

Sequence:	PL070725	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL096238.D	4,4"-DDD	Abdul	7/8/2025 3:56:35 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PEM	PL096238.D	4,4"-DDD #2	Abdul	7/8/2025 3:56:35 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PEM	PL096238.D	Endrin aldehyde	Abdul	7/8/2025 3:56:35 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PEM	PL096238.D	Endrin aldehyde #2	Abdul	7/8/2025 3:56:35 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PEM	PL096238.D	Endrin ketone #2	Abdul	7/8/2025 3:56:35 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
RESCHK	PL096239.D	Endosulfan I #2	Abdul	7/8/2025 3:56:31 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC100	PL096240.D	Endrin ketone #2	Abdul	7/8/2025 7:52:23 AM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC075	PL096241.D	beta-BHC	Abdul	7/8/2025 7:51:37 AM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC025	PL096243.D	Endosulfan II #2	Abdul	7/8/2025 7:51:40 AM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	4,4"-DDE #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	Dieldrin #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	Endosulfan I #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	Endosulfan II #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL070725	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDICC005	PL096244.D	Endrin #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	Endrin aldehyde #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	Endrin ketone #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICC005	PL096244.D	Heptachlor epoxide #2	Abdul	7/8/2025 3:56:28 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICV050	PL096255.D	Aldrin	Abdul	7/8/2025 3:56:25 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PSTDICV050	PL096255.D	Heptachlor epoxide	Abdul	7/8/2025 3:56:25 PM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software
PCHLORICV500	PL096256.D	Chlordane-1	Abdul	7/8/2025 7:51:59 AM	mohammad	7/9/2025 1:51:20	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl072125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL096480.D	4,4"-DDE	Abdul	7/22/2025 7:58:25 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PEM	PL096480.D	4,4"-DDE #2	Abdul	7/22/2025 7:58:25 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PEM	PL096480.D	Endrin aldehyde	Abdul	7/22/2025 7:58:25 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096481.D	Dieldrin #2	Abdul	7/22/2025 7:58:29 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096481.D	Endrin aldehyde	Abdul	7/22/2025 7:58:29 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096481.D	Heptachlor epoxide	Abdul	7/22/2025 7:58:29 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MS	PL096485.D	4,4"-DDT	Abdul	7/22/2025 7:58:35 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MS	PL096485.D	Aldrin	Abdul	7/22/2025 7:58:35 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MS	PL096485.D	Aldrin #2	Abdul	7/22/2025 7:58:35 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MS	PL096485.D	alpha-Chlordane	Abdul	7/22/2025 7:58:35 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MS	PL096485.D	Endrin ketone	Abdul	7/22/2025 7:58:35 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MS	PL096485.D	Endrin ketone #2	Abdul	7/22/2025 7:58:35 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MS	PL096485.D	gamma-BHC (Lindane)	Abdul	7/22/2025 7:58:35 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl072125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2635-01MS	PL096485.D	gamma-Chlordane	Abdul	7/22/2025 7:58:35 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MS	PL096485.D	Methoxychlor #2	Abdul	7/22/2025 7:58:35 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MS	PL096485.D	Tetrachloro-m-xylene	Abdul	7/22/2025 7:58:35 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MSD	PL096486.D	Aldrin	Abdul	7/22/2025 7:58:39 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MSD	PL096486.D	Aldrin #2	Abdul	7/22/2025 7:58:39 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MSD	PL096486.D	Endrin #2	Abdul	7/22/2025 7:58:39 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MSD	PL096486.D	gamma-BHC (Lindane)	Abdul	7/22/2025 7:58:39 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MSD	PL096486.D	gamma-Chlordane	Abdul	7/22/2025 7:58:39 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MSD	PL096486.D	Methoxychlor #2	Abdul	7/22/2025 7:58:39 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2635-01MSD	PL096486.D	Tetrachloro-m-xylene	Abdul	7/22/2025 7:58:39 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096493.D	Dieldrin #2	Abdul	7/22/2025 7:58:55 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096493.D	Endosulfan I	Abdul	7/22/2025 7:58:55 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096493.D	Endosulfan II	Abdul	7/22/2025 7:58:55 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl072125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL096493.D	Endrin aldehyde	Abdul	7/22/2025 7:58:55 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096493.D	gamma-Chlordane	Abdul	7/22/2025 7:58:55 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096493.D	Heptachlor epoxide	Abdul	7/22/2025 7:58:55 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-01	PL096494.D	gamma-Chlordane #2	Abdul	7/22/2025 7:58:58 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-05	PL096496.D	gamma-Chlordane #2	Abdul	7/22/2025 7:59:03 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-07	PL096497.D	4,4"-DDE	Abdul	7/22/2025 7:59:07 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-07	PL096497.D	alpha-Chlordane #2	Abdul	7/22/2025 7:59:07 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-07	PL096497.D	gamma-Chlordane #2	Abdul	7/22/2025 7:59:07 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-09	PL096498.D	4,4"-DDD #2	Abdul	7/22/2025 7:59:11 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-09	PL096498.D	4,4"-DDE #2	Abdul	7/22/2025 7:59:11 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-09	PL096498.D	alpha-Chlordane	Abdul	7/22/2025 7:59:11 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-09	PL096498.D	alpha-Chlordane #2	Abdul	7/22/2025 7:59:11 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-09	PL096498.D	Decachlorobiphenyl	Abdul	7/22/2025 7:59:11 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl072125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2638-09	PL096498.D	Dieldrin	Abdul	7/22/2025 7:59:11 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-09	PL096498.D	Endrin	Abdul	7/22/2025 7:59:11 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-09	PL096498.D	Endrin #2	Abdul	7/22/2025 7:59:11 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-09	PL096498.D	gamma-Chlordane	Abdul	7/22/2025 7:59:11 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-09	PL096498.D	gamma-Chlordane #2	Abdul	7/22/2025 7:59:11 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-09	PL096498.D	Tetrachloro-m-xylene	Abdul	7/22/2025 7:59:11 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-11	PL096499.D	4,4"-DDD #2	Abdul	7/22/2025 7:59:15 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-11	PL096499.D	4,4"-DDE #2	Abdul	7/22/2025 7:59:15 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-11	PL096499.D	alpha-Chlordane	Abdul	7/22/2025 7:59:15 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-11	PL096499.D	alpha-Chlordane #2	Abdul	7/22/2025 7:59:15 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-11	PL096499.D	Decachlorobiphenyl	Abdul	7/22/2025 7:59:15 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-11	PL096499.D	Dieldrin	Abdul	7/22/2025 7:59:15 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-11	PL096499.D	Endrin	Abdul	7/22/2025 7:59:15 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl072125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2638-11	PL096499.D	Endrin #2	Abdul	7/22/2025 7:59:15 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-11	PL096499.D	gamma-Chlordane	Abdul	7/22/2025 7:59:15 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-11	PL096499.D	gamma-Chlordane #2	Abdul	7/22/2025 7:59:15 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-11	PL096499.D	Tetrachloro-m-xylene	Abdul	7/22/2025 7:59:15 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-13	PL096500.D	4,4"-DDD #2	Abdul	7/22/2025 7:59:20 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-13	PL096500.D	4,4"-DDE #2	Abdul	7/22/2025 7:59:20 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-13	PL096500.D	alpha-Chlordane	Abdul	7/22/2025 7:59:20 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-13	PL096500.D	alpha-Chlordane #2	Abdul	7/22/2025 7:59:20 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-13	PL096500.D	Decachlorobiphenyl	Abdul	7/22/2025 7:59:20 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-13	PL096500.D	Dieldrin	Abdul	7/22/2025 7:59:20 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-13	PL096500.D	gamma-Chlordane	Abdul	7/22/2025 7:59:20 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-13	PL096500.D	gamma-Chlordane #2	Abdul	7/22/2025 7:59:20 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
Q2638-13	PL096500.D	Tetrachloro-m-xylene	Abdul	7/22/2025 7:59:20 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software

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Sequence:	pl072125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL096502.D	4,4"-DDD	Abdul	7/22/2025 7:59:24 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096502.D	4,4"-DDT	Abdul	7/22/2025 7:59:24 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096502.D	alpha-Chlordane	Abdul	7/22/2025 7:59:24 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096502.D	Dieldrin #2	Abdul	7/22/2025 7:59:24 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096502.D	Endosulfan I	Abdul	7/22/2025 7:59:24 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096502.D	Endosulfan II	Abdul	7/22/2025 7:59:24 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096502.D	Endrin aldehyde	Abdul	7/22/2025 7:59:24 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096502.D	gamma-Chlordane	Abdul	7/22/2025 7:59:24 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software
PSTDCCC050	PL096502.D	Heptachlor epoxide	Abdul	7/22/2025 7:59:24 AM	mohammad	7/23/2025 1:33:27	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL072225	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL096505.D	4,4"-DDD	Abdul	7/23/2025 8:11:01 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
PEM	PL096505.D	4,4"-DDD #2	Abdul	7/23/2025 8:11:01 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
PEM	PL096505.D	Endrin aldehyde	Abdul	7/23/2025 8:11:01 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
PEM	PL096505.D	Endrin aldehyde #2	Abdul	7/23/2025 8:11:01 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
PEM	PL096505.D	Endrin ketone	Abdul	7/23/2025 8:11:01 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
PEM	PL096505.D	Endrin ketone #2	Abdul	7/23/2025 8:11:01 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
PSTDCCC050	PL096506.D	Endosulfan II	Abdul	7/23/2025 8:12:18 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
Q2638-01RE	PL096507.D	4,4"-DDE	Abdul	7/23/2025 8:11:18 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
Q2638-01RE	PL096507.D	4,4"-DDE #2	Abdul	7/23/2025 8:11:18 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
Q2638-01RE	PL096507.D	gamma-Chlordane	Abdul	7/23/2025 8:11:18 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
Q2638-01RE	PL096507.D	gamma-Chlordane #2	Abdul	7/23/2025 8:11:18 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
Q2638-03	PL096508.D	4,4"-DDE	Abdul	7/23/2025 8:11:22 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
Q2638-03	PL096508.D	alpha-Chlordane	Abdul	7/23/2025 8:11:22 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL072225	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2638-03	PL096508.D	alpha-Chlordane #2	Abdul	7/23/2025 8:11:22 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
Q2638-03	PL096508.D	Decachlorobiphenyl	Abdul	7/23/2025 8:11:22 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
Q2638-03	PL096508.D	Dieldrin	Abdul	7/23/2025 8:11:22 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
Q2638-03	PL096508.D	Dieldrin #2	Abdul	7/23/2025 8:11:22 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
Q2638-03	PL096508.D	Endrin	Abdul	7/23/2025 8:11:22 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
Q2638-03	PL096508.D	Endrin #2	Abdul	7/23/2025 8:11:22 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
Q2638-03	PL096508.D	gamma-Chlordane	Abdul	7/23/2025 8:11:22 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
Q2638-03	PL096508.D	gamma-Chlordane #2	Abdul	7/23/2025 8:11:22 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
Q2638-03	PL096508.D	Tetrachloro-m-xylene	Abdul	7/23/2025 8:11:22 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
Q2638-05RE	PL096509.D	4,4"-DDE	Abdul	7/23/2025 8:11:24 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
Q2638-05RE	PL096509.D	4,4"-DDE #2	Abdul	7/23/2025 8:11:24 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
Q2638-05RE	PL096509.D	gamma-Chlordane	Abdul	7/23/2025 8:11:24 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
Q2638-05RE	PL096509.D	gamma-Chlordane #2	Abdul	7/23/2025 8:11:24 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL072225	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2638-07RE	PL096510.D	gamma-Chlordane #2	Abdul	7/23/2025 8:11:29 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
PSTDCCC050	PL096512.D	Endosulfan II	Abdul	7/23/2025 8:11:32 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software
PSTDCCC050	PL096528.D	Dieldrin #2	Abdul	7/23/2025 8:12:14 AM	mohammad	7/24/2025 1:26:16	Peak Integrated by Software

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL070725

Review By	Abdul	Review On	7/8/2025 7:52:58 AM		
Supervise By	mohammad	Supervise On	7/9/2025 1:51:20 AM		
SubDirectory	PL070725	HP Acquire Method		HP Processing Method	pl070725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL096236.D	07 Jul 2025 09:59	AR\AJ	Ok
2	I.BLK	PL096237.D	07 Jul 2025 10:12	AR\AJ	Ok
3	PEM	PL096238.D	07 Jul 2025 10:26	AR\AJ	Ok,M
4	RESCHK	PL096239.D	07 Jul 2025 10:40	AR\AJ	Ok,M
5	PSTDICC100	PL096240.D	07 Jul 2025 10:53	AR\AJ	Ok,M
6	PSTDICC075	PL096241.D	07 Jul 2025 11:09	AR\AJ	Ok,M
7	PSTDICC050	PL096242.D	07 Jul 2025 11:22	AR\AJ	Ok
8	PSTDICC025	PL096243.D	07 Jul 2025 11:36	AR\AJ	Ok,M
9	PSTDICC005	PL096244.D	07 Jul 2025 11:49	AR\AJ	Ok,M
10	PCHLORICC1000	PL096245.D	07 Jul 2025 12:03	AR\AJ	Ok
11	PCHLORICC750	PL096246.D	07 Jul 2025 12:17	AR\AJ	Ok
12	PCHLORICC500	PL096247.D	07 Jul 2025 12:30	AR\AJ	Ok
13	PCHLORICC250	PL096248.D	07 Jul 2025 12:44	AR\AJ	Ok
14	PCHLORICC050	PL096249.D	07 Jul 2025 12:58	AR\AJ	Ok,M
15	PTOXICC1000	PL096250.D	07 Jul 2025 13:11	AR\AJ	Ok
16	PTOXICC750	PL096251.D	07 Jul 2025 13:25	AR\AJ	Ok
17	PTOXICC500	PL096252.D	07 Jul 2025 13:39	AR\AJ	Ok
18	PTOXICC250	PL096253.D	07 Jul 2025 13:52	AR\AJ	Ok,M
19	PTOXICC100	PL096254.D	07 Jul 2025 14:06	AR\AJ	Ok,M
20	PSTDICV050	PL096255.D	07 Jul 2025 14:19	AR\AJ	Ok,M
21	PCHLORICV500	PL096256.D	07 Jul 2025 14:33	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL070725

Review By	Abdul	Review On	7/8/2025 7:52:58 AM		
Supervise By	mohammad	Supervise On	7/9/2025 1:51:20 AM		
SubDirectory	PL070725	HP Acquire Method		HP Processing Method	pl070725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PTOXICV500	PL096257.D	07 Jul 2025 14:47	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL072125

Review By	Abdul	Review On	7/22/2025 7:59:51 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:33:27 AM		
SubDirectory	PL072125	HP Acquire Method		HP Processing Method	pl070725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL096478.D	21 Jul 2025 09:18	AR\AJ	Ok
2	I.BLK	PL096479.D	21 Jul 2025 11:50	AR\AJ	Ok
3	PEM	PL096480.D	21 Jul 2025 12:30	AR\AJ	Ok,M
4	PSTDCCC050	PL096481.D	21 Jul 2025 12:44	AR\AJ	Ok,M
5	PB168928BL	PL096482.D	21 Jul 2025 12:57	AR\AJ	Ok
6	PB168928BS	PL096483.D	21 Jul 2025 13:11	AR\AJ	Ok
7	Q2635-01	PL096484.D	21 Jul 2025 13:51	AR\AJ	Ok,M
8	Q2635-01MS	PL096485.D	21 Jul 2025 14:05	AR\AJ	Ok,M
9	Q2635-01MSD	PL096486.D	21 Jul 2025 14:19	AR\AJ	Ok,M
10	Q2651-01	PL096487.D	21 Jul 2025 14:32	AR\AJ	Ok,M
11	Q2651-02	PL096488.D	21 Jul 2025 14:46	AR\AJ	Ok
12	Q2651-03	PL096489.D	21 Jul 2025 15:00	AR\AJ	Ok,M
13	Q2651-04	PL096490.D	21 Jul 2025 15:13	AR\AJ	Ok,M
14	Q2651-05	PL096491.D	21 Jul 2025 15:27	AR\AJ	Ok,M
15	I.BLK	PL096492.D	21 Jul 2025 15:40	AR\AJ	Ok
16	PSTDCCC050	PL096493.D	21 Jul 2025 16:08	AR\AJ	Ok,M
17	Q2638-01	PL096494.D	21 Jul 2025 16:53	AR\AJ	ReRun
18	Q2638-03	PL096495.D	21 Jul 2025 17:06	AR\AJ	ReRun
19	Q2638-05	PL096496.D	21 Jul 2025 17:20	AR\AJ	ReRun
20	Q2638-07	PL096497.D	21 Jul 2025 17:34	AR\AJ	ReRun
21	Q2638-09	PL096498.D	21 Jul 2025 17:47	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL072125

Review By	Abdul	Review On	7/22/2025 7:59:51 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:33:27 AM		
SubDirectory	PL072125	HP Acquire Method		HP Processing Method	pl070725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2638-11	PL096499.D	21 Jul 2025 18:01	AR\AJ	Ok,M
23	Q2638-13	PL096500.D	21 Jul 2025 18:15	AR\AJ	Ok,M
24	I.BLK	PL096501.D	21 Jul 2025 18:42	AR\AJ	Ok
25	PSTDCCC050	PL096502.D	21 Jul 2025 21:12	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL072225

Review By	Abdul	Review On	7/23/2025 8:12:53 AM		
Supervise By	mohammad	Supervise On	7/24/2025 1:26:16 AM		
SubDirectory	PL072225	HP Acquire Method		HP Processing Method	pl070725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL096503.D	22 Jul 2025 09:35	AR\AJ	Ok
2	I.BLK	PL096504.D	22 Jul 2025 09:48	AR\AJ	Ok
3	PEM	PL096505.D	22 Jul 2025 10:02	AR\AJ	Ok,M
4	PSTDCCC050	PL096506.D	22 Jul 2025 11:43	AR\AJ	Ok,M
5	Q2638-01RE	PL096507.D	22 Jul 2025 12:40	AR\AJ	Confirms
6	Q2638-03	PL096508.D	22 Jul 2025 12:54	AR\AJ	Ok,M
7	Q2638-05RE	PL096509.D	22 Jul 2025 13:07	AR\AJ	Confirms
8	Q2638-07RE	PL096510.D	22 Jul 2025 13:21	AR\AJ	Confirms
9	I.BLK	PL096511.D	22 Jul 2025 13:35	AR\AJ	Ok
10	PSTDCCC050	PL096512.D	22 Jul 2025 13:48	AR\AJ	Ok,M
11	PB168880BS	PL096513.D	22 Jul 2025 15:52	AR\AJ	Ok,M
12	PB168880BSD	PL096514.D	22 Jul 2025 16:05	AR\AJ	Ok,M
13	PB168947BL	PL096515.D	22 Jul 2025 16:19	AR\AJ	Ok
14	PB168947BS	PL096516.D	22 Jul 2025 16:49	AR\AJ	Ok,M
15	Q2649-01	PL096517.D	22 Jul 2025 17:02	AR\AJ	Ok,M
16	Q2649-05	PL096518.D	22 Jul 2025 17:16	AR\AJ	Ok,M
17	Q2649-05MS	PL096519.D	22 Jul 2025 17:29	AR\AJ	Ok,M
18	Q2649-05MSD	PL096520.D	22 Jul 2025 17:43	AR\AJ	Ok,M
19	Q2649-09	PL096521.D	22 Jul 2025 17:57	AR\AJ	Ok,M
20	Q2649-13	PL096522.D	22 Jul 2025 18:10	AR\AJ	Ok,M
21	Q2649-17	PL096523.D	22 Jul 2025 18:24	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL072225

Review By	Abdul	Review On	7/23/2025 8:12:53 AM		
Supervise By	mohammad	Supervise On	7/24/2025 1:26:16 AM		
SubDirectory	PL072225	HP Acquire Method		HP Processing Method	pl070725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2649-21	PL096524.D	22 Jul 2025 18:38	AR\AJ	Ok,M
23	Q2660-01	PL096525.D	22 Jul 2025 18:51	AR\AJ	Ok
24	Q2660-03	PL096526.D	22 Jul 2025 19:05	AR\AJ	Ok,M
25	I.BLK	PL096527.D	22 Jul 2025 19:18	AR\AJ	Ok
26	PSTDCCC050	PL096528.D	22 Jul 2025 19:32	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL070725

Review By	Abdul	Review On	7/8/2025 7:52:58 AM		
Supervise By	mohammad	Supervise On	7/9/2025 1:51:20 AM		
SubDirectory	PL070725	HP Acquire Method		HP Processing Method	pl070725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL096236.D	07 Jul 2025 09:59		AR\AJ	Ok
2	I.BLK	I.BLK	PL096237.D	07 Jul 2025 10:12		AR\AJ	Ok
3	PEM	PEM	PL096238.D	07 Jul 2025 10:26		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL096239.D	07 Jul 2025 10:40		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL096240.D	07 Jul 2025 10:53		AR\AJ	Ok,M
6	PSTDICC075	PSTDICC075	PL096241.D	07 Jul 2025 11:09		AR\AJ	Ok,M
7	PSTDICC050	PSTDICC050	PL096242.D	07 Jul 2025 11:22		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL096243.D	07 Jul 2025 11:36		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL096244.D	07 Jul 2025 11:49		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL096245.D	07 Jul 2025 12:03		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL096246.D	07 Jul 2025 12:17		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL096247.D	07 Jul 2025 12:30		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL096248.D	07 Jul 2025 12:44		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL096249.D	07 Jul 2025 12:58		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL096250.D	07 Jul 2025 13:11		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL096251.D	07 Jul 2025 13:25		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL096252.D	07 Jul 2025 13:39		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL096253.D	07 Jul 2025 13:52		AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL070725

Review By	Abdul	Review On	7/8/2025 7:52:58 AM		
Supervise By	mohammad	Supervise On	7/9/2025 1:51:20 AM		
SubDirectory	PL070725	HP Acquire Method		HP Processing Method	pl070725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PTOXICC100	PTOXICC100	PL096254.D	07 Jul 2025 14:06		AR\AJ	Ok,M
20	PSTDICV050	ICVPL070725	PL096255.D	07 Jul 2025 14:19		AR\AJ	Ok,M
21	PCHLORICV500	ICVPL070725	PL096256.D	07 Jul 2025 14:33		AR\AJ	Ok,M
22	PTOXICV500	ICVPL070725	PL096257.D	07 Jul 2025 14:47		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL072125

Review By	Abdul	Review On	7/22/2025 7:59:51 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:33:27 AM		
SubDirectory	PL072125	HP Acquire Method		HP Processing Method	pl070725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL096478.D	21 Jul 2025 09:18		AR\AJ	Ok
2	I.BLK	I.BLK	PL096479.D	21 Jul 2025 11:50		AR\AJ	Ok
3	PEM	PEM	PL096480.D	21 Jul 2025 12:30		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL096481.D	21 Jul 2025 12:44		AR\AJ	Ok,M
5	PB168928BL	PB168928BL	PL096482.D	21 Jul 2025 12:57		AR\AJ	Ok
6	PB168928BS	PB168928BS	PL096483.D	21 Jul 2025 13:11		AR\AJ	Ok
7	Q2635-01	RT2286	PL096484.D	21 Jul 2025 13:51		AR\AJ	Ok,M
8	Q2635-01MS	RT2286MS	PL096485.D	21 Jul 2025 14:05	Comp#21 recovery fail	AR\AJ	Ok,M
9	Q2635-01MSD	RT2286MSD	PL096486.D	21 Jul 2025 14:19	Comp#21 recovery fail	AR\AJ	Ok,M
10	Q2651-01	MH 2-1	PL096487.D	21 Jul 2025 14:32		AR\AJ	Ok,M
11	Q2651-02	MH 6-5	PL096488.D	21 Jul 2025 14:46		AR\AJ	Ok
12	Q2651-03	MH 7-6	PL096489.D	21 Jul 2025 15:00		AR\AJ	Ok,M
13	Q2651-04	MH 8-7	PL096490.D	21 Jul 2025 15:13		AR\AJ	Ok,M
14	Q2651-05	MH 9-8	PL096491.D	21 Jul 2025 15:27		AR\AJ	Ok,M
15	I.BLK	I.BLK	PL096492.D	21 Jul 2025 15:40		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PL096493.D	21 Jul 2025 16:08		AR\AJ	Ok,M
17	Q2638-01	OU4-TS-31-071725	PL096494.D	21 Jul 2025 16:53	DCB Low in both column	AR\AJ	ReRun
18	Q2638-03	OU4-TS-32-071725	PL096495.D	21 Jul 2025 17:06	DCB Low in both column	AR\AJ	ReRun

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL072125

Review By	Abdul	Review On	7/22/2025 7:59:51 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:33:27 AM		
SubDirectory	PL072125	HP Acquire Method		HP Processing Method	pl070725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2638-05	OU4-TS-33-071725	PL096496.D	21 Jul 2025 17:20	DCB Low in both column	AR\AJ	ReRun
20	Q2638-07	OU4-TS-34-071725	PL096497.D	21 Jul 2025 17:34	DCB Low in both column	AR\AJ	ReRun
21	Q2638-09	OU4-TS-35-071725	PL096498.D	21 Jul 2025 17:47	DCB Low in 2nd column	AR\AJ	Ok,M
22	Q2638-11	OU4-TS-36-071725	PL096499.D	21 Jul 2025 18:01	DCB Low in 2nd column	AR\AJ	Ok,M
23	Q2638-13	OU4-TS-37-071725	PL096500.D	21 Jul 2025 18:15		AR\AJ	Ok,M
24	I.BLK	I.BLK	PL096501.D	21 Jul 2025 18:42		AR\AJ	Ok
25	PSTDCCC050	PSTDCCC050	PL096502.D	21 Jul 2025 21:12		AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL072225

Review By	Abdul	Review On	7/23/2025 8:12:53 AM		
Supervise By	mohammad	Supervise On	7/24/2025 1:26:16 AM		
SubDirectory	PL072225	HP Acquire Method		HP Processing Method	pl070725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL096503.D	22 Jul 2025 09:35		AR\AJ	Ok
2	I.BLK	I.BLK	PL096504.D	22 Jul 2025 09:48		AR\AJ	Ok
3	PEM	PEM	PL096505.D	22 Jul 2025 10:02		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL096506.D	22 Jul 2025 11:43		AR\AJ	Ok,M
5	Q2638-01RE	OU4-TS-31-071725RE	PL096507.D	22 Jul 2025 12:40	DCB Low in both column	AR\AJ	Confirms
6	Q2638-03	OU4-TS-32-071725	PL096508.D	22 Jul 2025 12:54	DCB Low in 1st column	AR\AJ	Ok,M
7	Q2638-05RE	OU4-TS-33-071725RE	PL096509.D	22 Jul 2025 13:07	DCB Low in both column	AR\AJ	Confirms
8	Q2638-07RE	OU4-TS-34-071725RE	PL096510.D	22 Jul 2025 13:21	DCB Low in both column	AR\AJ	Confirms
9	I.BLK	I.BLK	PL096511.D	22 Jul 2025 13:35		AR\AJ	Ok
10	PSTDCCC050	PSTDCCC050	PL096512.D	22 Jul 2025 13:48		AR\AJ	Ok,M
11	PB168880BS	PB168880BS	PL096513.D	22 Jul 2025 15:52		AR\AJ	Ok,M
12	PB168880BSD	PB168880BSD	PL096514.D	22 Jul 2025 16:05		AR\AJ	Ok,M
13	PB168947BL	PB168947BL	PL096515.D	22 Jul 2025 16:19		AR\AJ	Ok
14	PB168947BS	PB168947BS	PL096516.D	22 Jul 2025 16:49		AR\AJ	Ok,M
15	Q2649-01	WC-1	PL096517.D	22 Jul 2025 17:02		AR\AJ	Ok,M
16	Q2649-05	WC-2	PL096518.D	22 Jul 2025 17:16		AR\AJ	Ok,M
17	Q2649-05MS	WC-2MS	PL096519.D	22 Jul 2025 17:29		AR\AJ	Ok,M
18	Q2649-05MSD	WC-2MSD	PL096520.D	22 Jul 2025 17:43		AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL072225

Review By	Abdul	Review On	7/23/2025 8:12:53 AM		
Supervise By	mohammad	Supervise On	7/24/2025 1:26:16 AM		
SubDirectory	PL072225	HP Acquire Method		HP Processing Method	pl070725 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2649-09	WC-3	PL096521.D	22 Jul 2025 17:57		AR\AJ	Ok,M
20	Q2649-13	WC-4	PL096522.D	22 Jul 2025 18:10		AR\AJ	Ok,M
21	Q2649-17	WC-5	PL096523.D	22 Jul 2025 18:24		AR\AJ	Ok,M
22	Q2649-21	WC-6	PL096524.D	22 Jul 2025 18:38		AR\AJ	Ok,M
23	Q2660-01	MOO-25-0205	PL096525.D	22 Jul 2025 18:51		AR\AJ	Ok
24	Q2660-03	MOO-25-0218	PL096526.D	22 Jul 2025 19:05		AR\AJ	Ok,M
25	I.BLK	I.BLK	PL096527.D	22 Jul 2025 19:18		AR\AJ	Ok
26	PSTDCCC050	PSTDCCC050	PL096528.D	22 Jul 2025 19:32		AR\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/21/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 07/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136542

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
Q2637-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q2637-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q2637-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q2637-10	SVOC-GPC2-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q2637-11	PEST-GPC2-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q2637-12	PEST-GPC2-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q2638-01	OU4-TS-31-071725	7	1.15	10.44	11.59	8.29	68.4	
Q2638-03	OU4-TS-32-071725	8	1.14	10.41	11.55	7.92	65.1	
Q2638-05	OU4-TS-33-071725	9	1.12	10.69	11.81	8.04	64.7	
Q2638-07	OU4-TS-34-071725	10	1.18	10.81	11.99	8.58	68.5	
Q2638-09	OU4-TS-35-071725	11	1.18	10.24	11.42	9.62	82.4	
Q2638-11	OU4-TS-36-071725	12	1.16	10.22	11.38	9.53	81.9	
Q2638-13	OU4-TS-37-071725	13	1.14	10.27	11.41	9.48	81.2	
Q2639-01	OU4-TS-38-071725	14	1.16	10.58	11.74	9.69	80.6	
Q2639-03	OU4-TS-39-071725	15	1.12	10.64	11.76	9.74	81.0	
Q2639-05	OU4-TS-40-071725	16	1.16	10.23	11.39	9.42	80.7	
Q2639-07	OU4-TS-41-071725	17	1.18	10.20	11.38	9.54	82.0	
Q2639-09	OU4-TS-42-071725	18	1.19	10.34	11.53	7.42	60.3	
Q2639-11	OU4-TS-43-071725	19	1.19	10.67	11.86	7.38	58.0	
Q2639-13	OU4-TS-44-071725	20	1.12	10.87	11.99	8.18	64.9	
Q2641-01	P001-CONCRETE001-01	21	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2645-02	RW5B-CARBON-20250716	22	1.17	10.52	11.69	8.39	68.6	
Q2648-01	A3	23	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-02	A4	24	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-03	B2	25	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-04	B3	26	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-05	B4	27	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2651-01	MH 2-1	28	1.18	10.67	11.85	11.26	94.5	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/21/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 07/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136542

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
Q2651-02	MH 6-5	29	1.15	10.40	11.55	10.9	93.8	
Q2651-03	MH 7-6	30	1.12	10.20	11.32	10.7	93.9	
Q2651-04	MH 8-7	31	1.13	10.44	11.57	11.01	94.6	
Q2651-05	MH 9-8	32	1.13	10.27	11.4	10.67	92.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

WM 136542

WorkList Name : %1-071825 **WorkList ID :** 190813 **Department :** Wet-Chemistry **Date :** 07-18-2025 07:56:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2637-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2638-01	OU4-TS-31-071725	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2638-03	OU4-TS-32-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-05	OU4-TS-33-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-07	OU4-TS-34-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-09	OU4-TS-35-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-11	OU4-TS-36-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-13	OU4-TS-37-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2639-01	OU4-TS-38-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2639-03	OU4-TS-39-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-05	OU4-TS-40-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-07	OU4-TS-41-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-09	OU4-TS-42-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-11	OU4-TS-43-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-13	OU4-TS-44-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2641-01	P001-CONCRETE001-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	O22	07/16/2025	Chemtech -SO

Date/Time 07/18/25 15:30

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 07/18/25 17:35

Raw Sample Received by:

Raw Sample Relinquished by:

VB 136542

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-071825 **WorkList ID :** 190813 **Department :** Wet-Chemistry **Date :** 07-18-2025 07:56:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2645-02	RW5B-CARBON-20250716	Solid	Percent Solids	Cool 4 deg C	TETR06	O41	07/16/2025	Chemtech -SO
Q2648-01	A3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-02	A4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-03	B2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-04	B3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-05	B4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2651-01	MH 2-1	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-02	MH 6-5	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-03	MH 7-6	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-04	MH 8-7	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-05	MH 9-8	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO

Date/Time 07/18/25 15:00

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 07/18/25 17:35

Raw Sample Received by:

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168928

SOP ID:	M3541-ASE Extraction-15				
Clean Up SOP #:	Florisil			**Extraction Start Date :**	07/21/2025
Matrix :	Solid			**Extraction Start Time :**	08:30
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	07/21/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	11:45
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24627
Surrogate	1.0ML	200 PPB	PP24663
Spike Sol 2	2.0ML	1000 PPB	PP24622
Spike Sol 3	2.0ML	1000 PPB	PP24621
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2627
Baked Na2SO4	N/A	EP2625
Sand	N/A	E3951
Hexane	N/A	E3956
Florisil	N/A	E3927
9:1 Hexane:Acetone Mixture	N/A	EP2596
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS723.

KD Bath ID:	N/A	**Envap ID:**	NE VAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/21/25	RS (Extraction)	Y-PPest+IPSD
11:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168928

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 07/21/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168928BL	PBLK928	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			U2-1
PB168928BS	PLCS928	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			2
Q2635-01	RT2286	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
Q2635-01MS	RT2286MS	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		4
Q2635-01MSD	RT2286MSD	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		5
Q2638-01	OU4-TS-31-071725	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	D		6
Q2638-03	OU4-TS-32-071725	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	D		U3-1
Q2638-05	OU4-TS-33-071725	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	D		2
Q2638-07	OU4-TS-34-071725	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	D		3
Q2638-09	OU4-TS-35-071725	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	D		4
Q2638-11	OU4-TS-36-071725	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	D		5
Q2638-13	OU4-TS-37-071725	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	D		6
Q2639-01	OU4-TS-38-071725	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	D		U6-1
Q2639-03	OU4-TS-39-071725	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	D		2
Q2639-05	OU4-TS-40-071725	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	D		3
Q2639-07	OU4-TS-41-071725	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	D		4
Q2639-09	OU4-TS-42-071725	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	D		5
Q2639-11	OU4-TS-43-071725	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	D		6
Q2639-13	OU4-TS-44-071725	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	D		U1-1
Q2651-01	MH 2-1	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	B		2
Q2651-02	MH 6-5	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	B		3
Q2651-03	MH 7-6	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	B		4
Q2651-04	MH 8-7	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	B		5
Q2651-05	MH 9-8	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	B		6

RS 7/21

* **Extracts relinquished on the same date as received.**

7/28 9:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2635P **WorkList ID :** 190839 **Department :** Extraction **Date :** 07-21-2025 08:25:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2635-01	RT2286	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	07/17/2025	8081B
Q2638-01	OU4-TS-31-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O21	07/17/2025	8081B
Q2638-03	OU4-TS-32-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O21	07/17/2025	8081B
Q2638-05	OU4-TS-33-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O21	07/17/2025	8081B
Q2638-07	OU4-TS-34-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O21	07/17/2025	8081B
Q2638-09	OU4-TS-35-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O21	07/17/2025	8081B
Q2638-11	OU4-TS-36-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O21	07/17/2025	8081B
Q2638-13	OU4-TS-37-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O21	07/17/2025	8081B
Q2639-01	OU4-TS-38-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O13	07/17/2025	8081B
Q2639-03	OU4-TS-39-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O13	07/17/2025	8081B
Q2639-05	OU4-TS-40-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O13	07/17/2025	8081B
Q2639-07	OU4-TS-41-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O13	07/17/2025	8081B
Q2639-09	OU4-TS-42-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O13	07/17/2025	8081B
Q2639-11	OU4-TS-43-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O13	07/17/2025	8081B
Q2639-13	OU4-TS-44-071725	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	O13	07/17/2025	8081B
Q2651-01	MH 2-1	Solid	Pesticide-TCL	Cool 4 deg C	EARTH03	O22	07/17/2025	8081B
Q2651-02	MH 6-5	Solid	Pesticide-TCL	Cool 4 deg C	EARTH03	O22	07/17/2025	8081B
Q2651-03	MH 7-6	Solid	Pesticide-TCL	Cool 4 deg C	EARTH03	O22	07/17/2025	8081B
Q2651-04	MH 8-7	Solid	Pesticide-TCL	Cool 4 deg C	EARTH03	O22	07/17/2025	8081B
Q2651-05	MH 9-8	Solid	Pesticide-TCL	Cool 4 deg C	EARTH03	O22	07/17/2025	8081B

Date/Time 07/21/25 8:25
Raw Sample Received by: RJ (EXL-Lab)
Raw Sample Relinquished by:

Date/Time 07/21/25 8:55
Raw Sample Received by:
Raw Sample Relinquished by: RJ (EXL-Lab)

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

Prep Standard - Chemical Standard Summary

Order ID : Q2638

Test : Pesticide-TCL

Prepbatch ID : PB168928,

Sequence ID/Qc Batch ID: pl072125,PL072225,

Standard ID :
EP2625,EP2627,PP24255,PP24256,PP24257,PP24258,PP24259,PP24260,PP24261,PP24262,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284,PP24329,PP24433,PP24621,PP24622,PP24627,PP24651,PP24663,

Chemical ID :
E3551,E3877,E3914,E3927,E3937,E3941,E3944,E3949,E3950,E3951,E3956,P12603,P 12611,P13037,P13040,P13195,P13246,P13356,P13405,P13785,P13786,P13861,P9052,W3177,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2625	07/15/2025	12/04/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 07/15/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
230	1:1ACETONE/HEXANE	EP2627	07/15/2025	01/15/2026	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 07/15/2025

FROM 4000.00000ml of E3949 + 4000.00000ml of E3950 = Final Quantity: 8000.000 ml

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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	PP24255	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 1.00000ml of P13785 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP24256	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 1.00000ml of P13040 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

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
1472	20 PPM Pest Stock Solution 2nd Source	PP24257	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 1.00000ml of P13037 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1273	20 PPM Mirex Stock (Primary Source)	PP24258	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.20000ml of P9052 + 9.80000ml of E3877 = Final Quantity: 10.000 ml

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
3663	20 PPM MIREX Stock STD (Secondary source)	PP24259	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.20000ml of P13195 + 9.80000ml of E3877 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP24260	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24256 + 0.50000ml of PP24258 = Final Quantity: 100.000 ml

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
80	100/100 PPB Pesticide Working Solution 2nd Source	PP24261	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24257 + 0.50000ml of PP24259 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
386	1000/100 PPB Chlordane STD (Restek)	PP24262	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.10000ml of P12603 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

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
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24266	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.10000ml of P12611 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
383	1000/100 PPB Toxaphene STD (Restek)	PP24267	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.10000ml of P13405 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

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
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24268	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.10000ml of P13861 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3631	75 PPB ICAL PEST STD(RESTEK)	PP24269	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3632	50 PPB ICAL PEST STD(RESTEK)	PP24270	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24260 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3633	25 PPB ICAL PEST STD(RESTEK)	PP24271	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3634	5 PPB ICAL PEST STD(RESTEK)	PP24272	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24270 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3988	50 PPB PEST ICV STD(RESTEK)	PP24273	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24261 = Final Quantity: 1.000 ml

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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
528	CHLOR 750 PPB STD	PP24274	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24262 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
529	CHLOR 500 PPB STD	PP24275	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24262 = Final Quantity: 1.000 ml

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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
530	CHLOR 250 PPB STD	PP24277	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24262 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3408	CHLOR 50 PPB STD	PP24278	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24275 = Final Quantity: 1.000 ml

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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	PP24279	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24266 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
533	TOX 750 PPB STD	PP24280	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24267 = Final Quantity: 1.000 ml

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
534	TOX 500 PPB STD	PP24281	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24267 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
535	TOX 250 PPB STD	PP24282	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24267 = Final Quantity: 1.000 ml

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
2217	TOX 100 PPB STD	PP24283	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24267 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3670	TOX 500 PPB ICV std (RESTEK)	PP24284	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24268 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
518	Pest/PCB I.BLK 20 PPB	PP24433	03/31/2025	08/22/2025	Abdul Mirza	None	None	Yogesh Patel 04/02/2025

FROM 99.90000ml of E3914 + 0.10000ml of PP24329 = Final Quantity: 100.000 ml

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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3878	1000 PPB TOXAPHENE SPIKE (RESTEK)	PP24621	06/04/2025	09/10/2025	Abdul Mirza	None	None	Yogesh Patel 06/11/2025

FROM 0.10000ml of P13861 + 99.90000ml of E3937 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1501	1000 ppb CHLORDANE SPIKE (RESTEK)	PP24622	06/04/2025	09/09/2025	Abdul Mirza	None	None	Yogesh Patel 06/11/2025

FROM 0.10000ml of P12611 + 99.90000ml of E3937 = Final Quantity: 100.000 ml

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Fax : 908 789 8922

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
79	500 PPB Pesticide Spike Solution	PP24627	06/10/2025	08/12/2025	Abdul Mirza	None	None	Yogesh Patel 06/11/2025

FROM 95.00000ml of E3937 + 2.50000ml of PP24257 + 2.50000ml of PP24259 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4027	Pesticide resolution Check Mixture 8081	PP24651	06/16/2025	12/11/2025	Abdul Mirza	None	None	Yogesh Patel 07/22/2025

FROM 1.00000ml of P13246 + 99.00000ml of E3941 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
465	200 PPB Pest/PCB Surrogate Spike	PP24663	06/24/2025	12/24/2025	Abdul Mirza	None	None	Yogesh Patel 07/21/2025

FROM 1.00000ml of P13786 + 999.00000ml of E3944 = Final Quantity: 1000.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	12/04/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	09/19/2025	03/19/2025 / RUPESH	03/13/2025 / RUPESH	E3914

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
phenomenex	FS0006 / Cleanert SPE Silica, 1000 mg/6ml	Z0830QB1	04/18/2026	05/30/2025 / RUPESH	03/13/2025 / RUPESH	E3927

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/22/2025	05/22/2025 / RUPESH	05/14/2025 / RUPESH	E3937

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	12/11/2025	06/11/2025 / Rajesh	06/04/2025 / Rajesh	E3941

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	06/20/2025 / RUPESH	05/14/2025 / RUPESH	E3944

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3949

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3950

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3956

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	09/11/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12603

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0193299	09/09/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12611

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13037

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13040

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	042022	09/10/2025	03/10/2025 / Abdul	01/17/2024 / Abdul	P13195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	12/17/2025	06/17/2025 / Abdul	02/09/2024 / Abdul	P13246

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	09/09/2025	03/10/2025 / Abdul	05/15/2024 / Abdul	P13405

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	09/10/2025	03/10/2025 / Abdul	11/19/2024 / Ankita	P13785

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	12/24/2025	06/24/2025 / Abdul	11/19/2024 / Ankita	P13786

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0210240	09/10/2025	03/10/2025 / Abdul	12/09/2024 / Abdul	P13861

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	112018	09/10/2025	03/10/2025 / Abdul	11/01/2019 / Stephen	P9052

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

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 RP on 7/24/23 E3551

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RP on 2/12/25
E3877

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

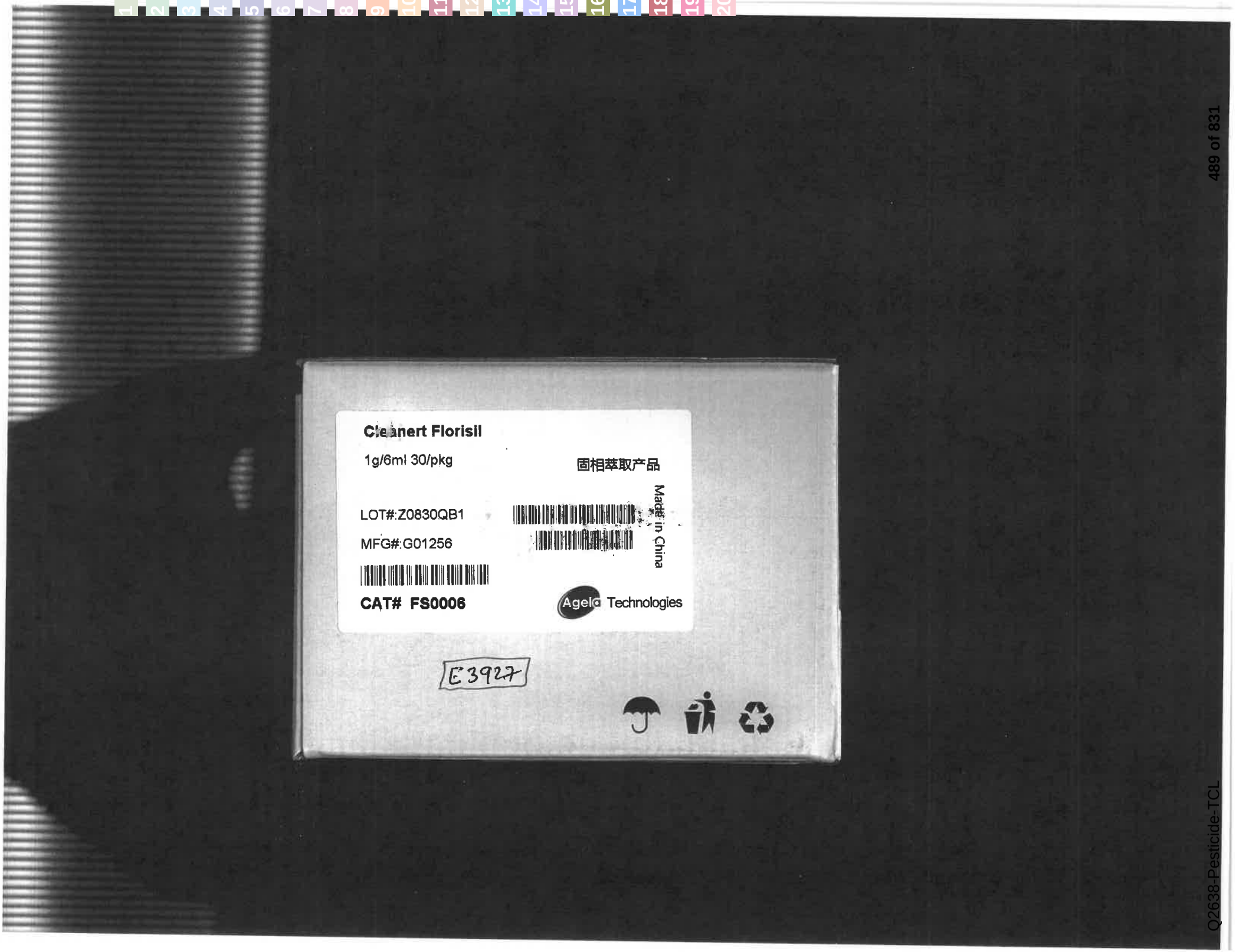
N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RS on 3/14/25

E3914

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.



Q2638-Pesticide-TCL

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3937

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Harout Sahagian - Quality Control Manager - Fair Lawn

Recd. by RI on 6/11/25

E3941

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3944

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Read on 7/2/25

E3949

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

3950

Read on 7/02/25

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

VWR® BDH® CHEMICALS

Certificate of Analysis

Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO2
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 7/9/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above.	Analysis may have been rounded to significant digits in specification limits
This document has been electronically produced and is valid without a signature.	Product meets analytical specifications of the grades listed.
Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recieved on 7/16/25

E3956

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12614 & P12615 Five

7/3/2023

Catalog No. : 32021 **Lot No.:** A0193299

Description : Chlordane Standard

Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2029 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,010.0 µg/mL	+/- 56.0475

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:
CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

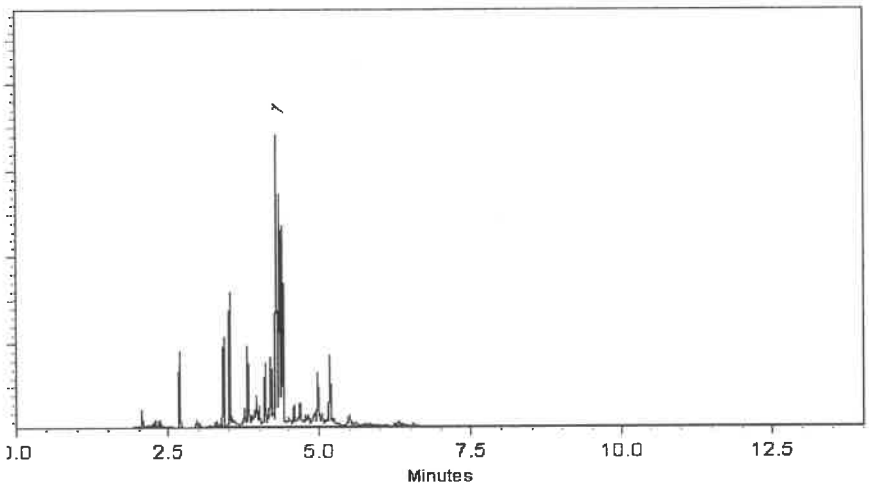
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P12691 ↓ P12695

7/3/2023

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P130397 5
↓
P130431

Catalog No. : 32291 **Lot No.:** A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P 13039 5
↓
P 13043 1
12/26/23

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

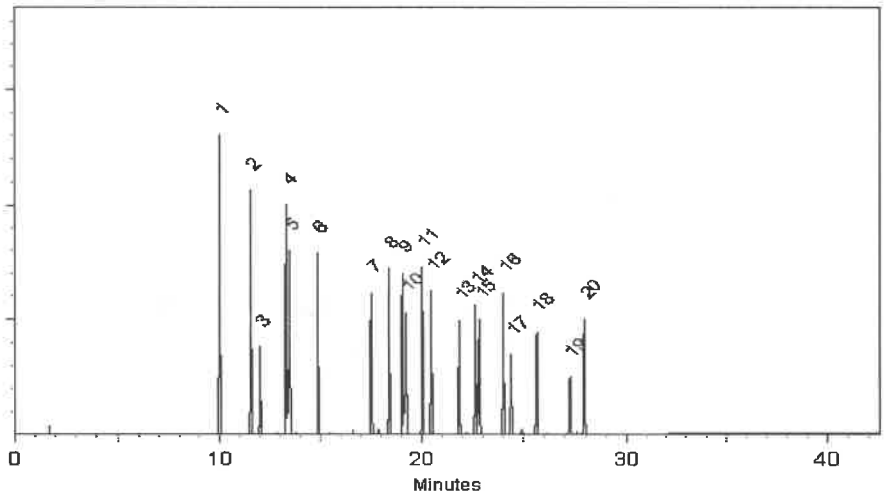
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 79136
Lot Number: 042022
Description: Mirex

Solvent(s): Acetone **Lot#** 81025

Expiration Date: 042027
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

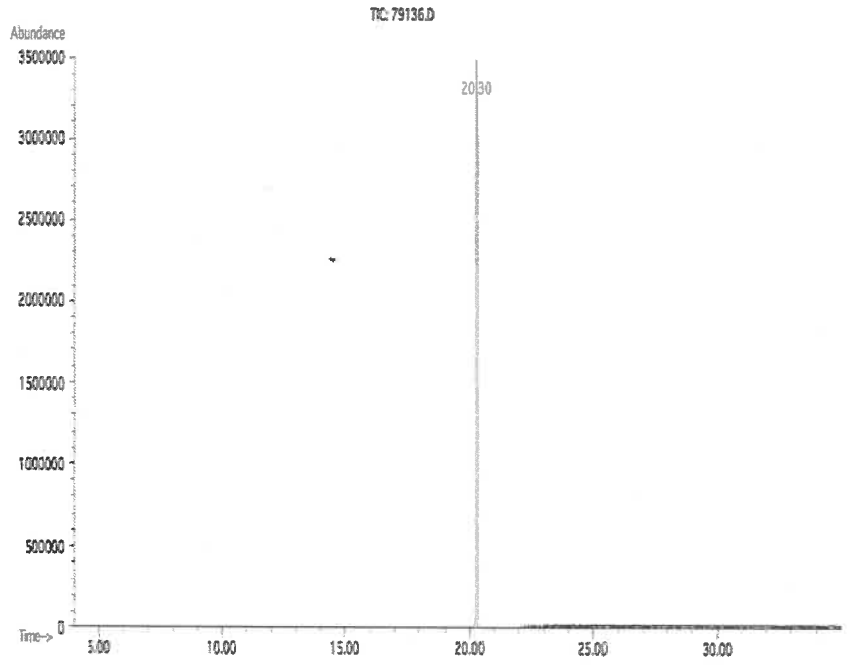
Weight(s) shown below were combined and diluted to (mL): 50.0 ± 0.006 Flask Uncertainty; 5E-05 Balance Uncertainty

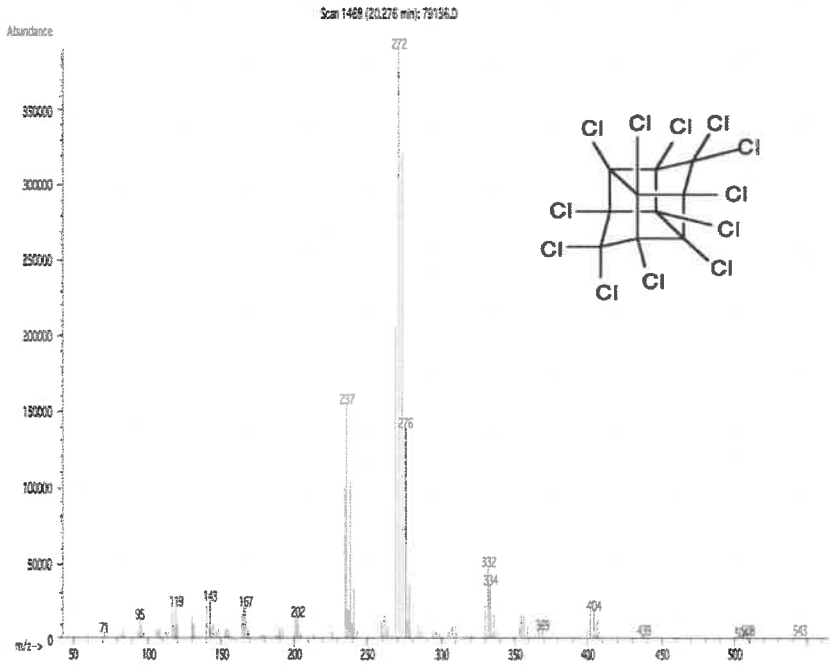
Formulated By: Prashant Chauhan 042022 DATE

Reviewed By: Pedro L. Rentas 042022 DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3	2385-85-5	N/A	orl-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.





P13195
↓
P13199
↓
(5)
|
01/17/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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

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

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12603 (3) → P12605

7/3/2023

Catalog No. : 32021 **Lot No.:** A0197993

Description : Chlordane Standard

Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:
CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

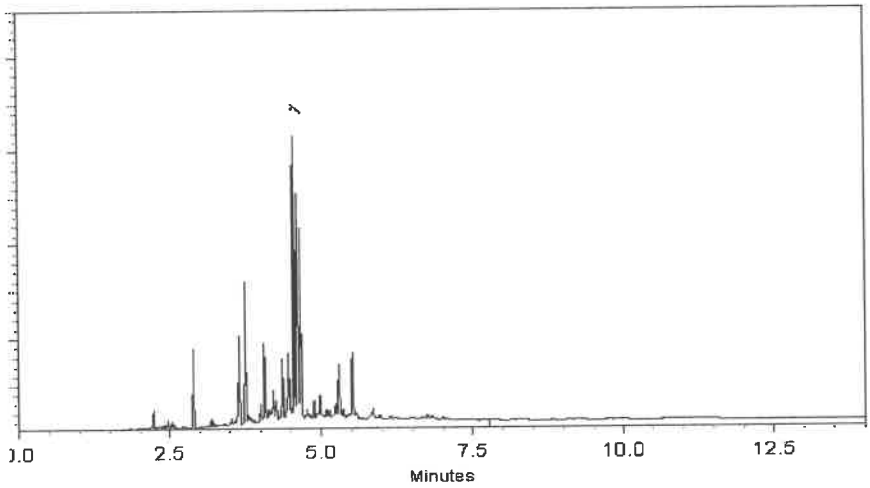
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 11-May-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P 12603 & P 12605 (3)

7/3/2023

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.

P 13034 } 5
P 13038 }
12.26.2023

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4	µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5	µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9	µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9	µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034) 5
↓
P13038 1

12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

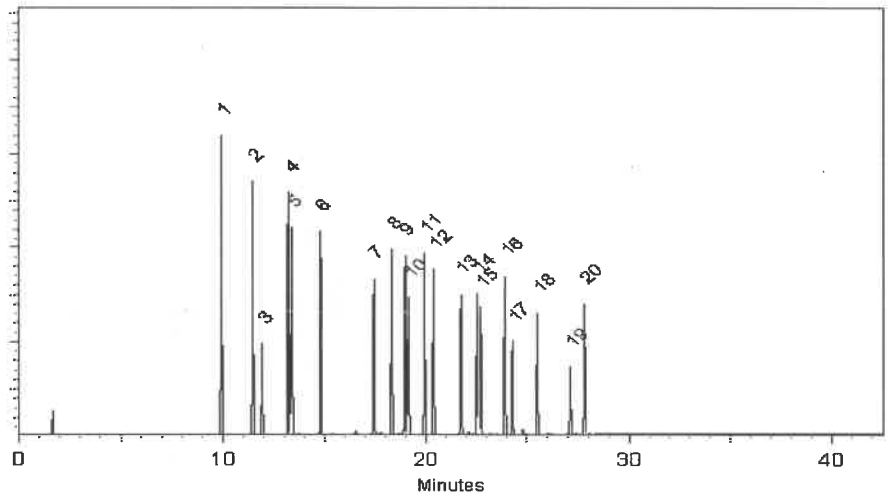
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 19161
Lot Number: 013124
Description: CLP Pesticides & PCB's Resolution Check Standard
9 components

Solvent(s):	Lot#	
Hexane	273615	(50%)
Toluene	28508	(50%)

Expiration Date: 013129
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Volume(s) shown below were combined and diluted to (mL): 100.0

5E-05 Balance Uncertainty
0.021 Flask Uncertainty

Formulated By:	Lawrence Barry	013124 DATE
Reviewed By:	Pedro L. Rentas	013124 DATE

	Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	orl-rat 500mg/kg
2.	Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	orl-rat 18mg/kg
3.	4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	orl-rat 880mg/kg
4.	Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	orl-rat 38300ug/kg
5.	Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	orl-rat 18mg/kg
6.	Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7.	4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	orl-rat 6000mg/kg
8.	2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9.	Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

P13243 & P13247 (5)

02/9/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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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.)

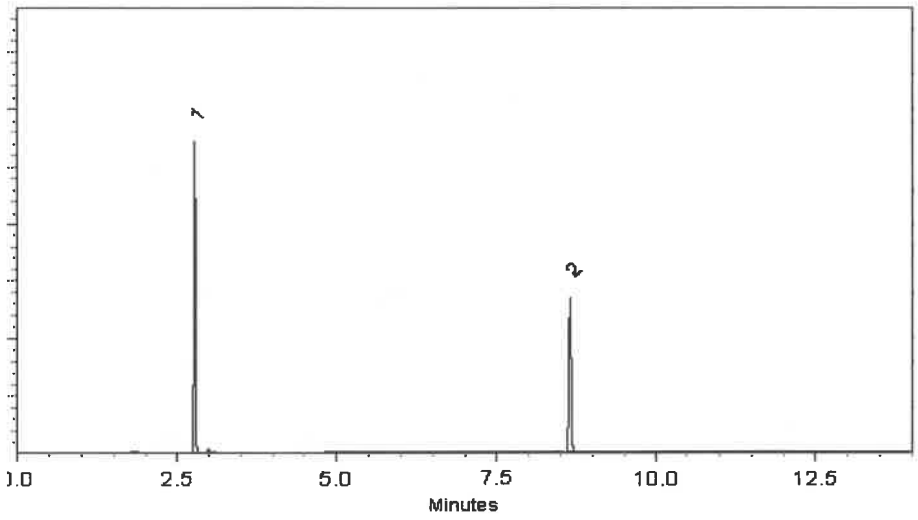
Inj. Temp:
250°C

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

P 13348 (10)
↓
P13357
04/25/2025

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13402 & P13406 (5)

5/22/2021

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

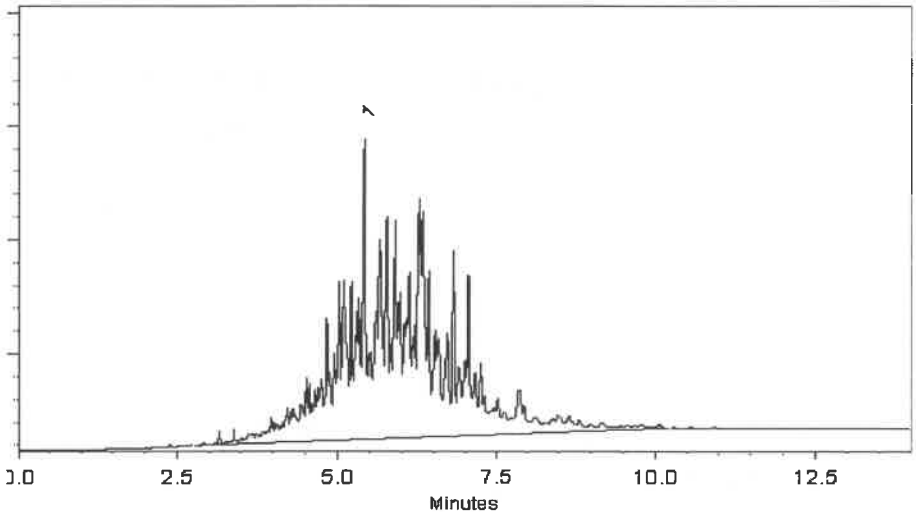
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I **Date Mixed:** 10-Oct-2023 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 16-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13402 ↓ P13406 (5)

5/22/2024

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785 ↓ P19789 AJ 11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

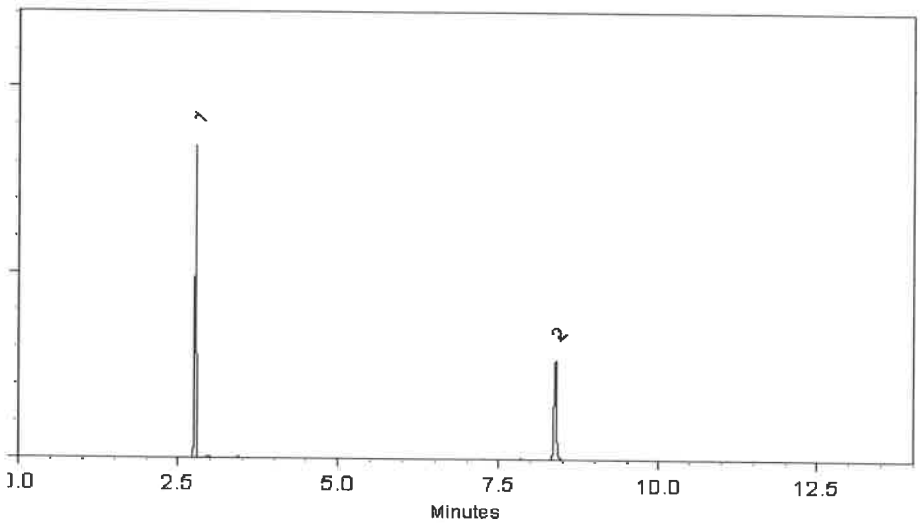
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13785 ↓ P13789 AJ 11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

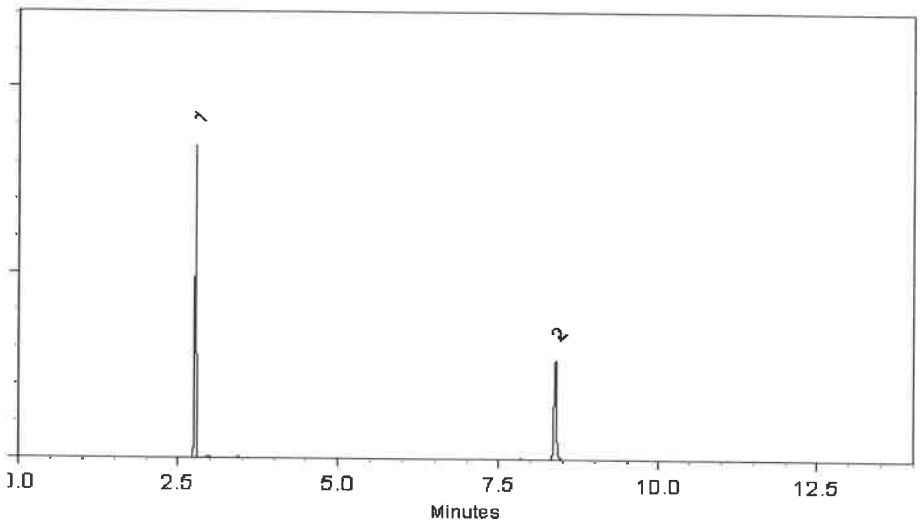
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0210240

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13861
P13862
2

12/9/2024

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

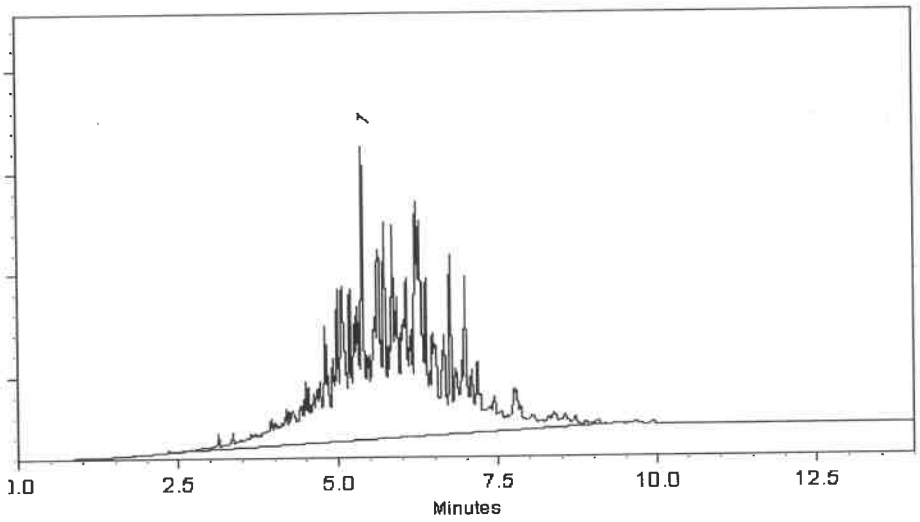
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024 **Balance Serial #** B442140311

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13861 } (2
P13862 }

12/9/2024

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ISO 17034 Accredit
Scopes: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

Part Number: 72072
Lot Number: 112018
Description: n-Tetracosane-d50

Expiration Date: 112028
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 2684186
Weight(s) shown below were combined and diluted to (mL): 200.0

Solvent(s):	Lot#
Methylene chloride	102669

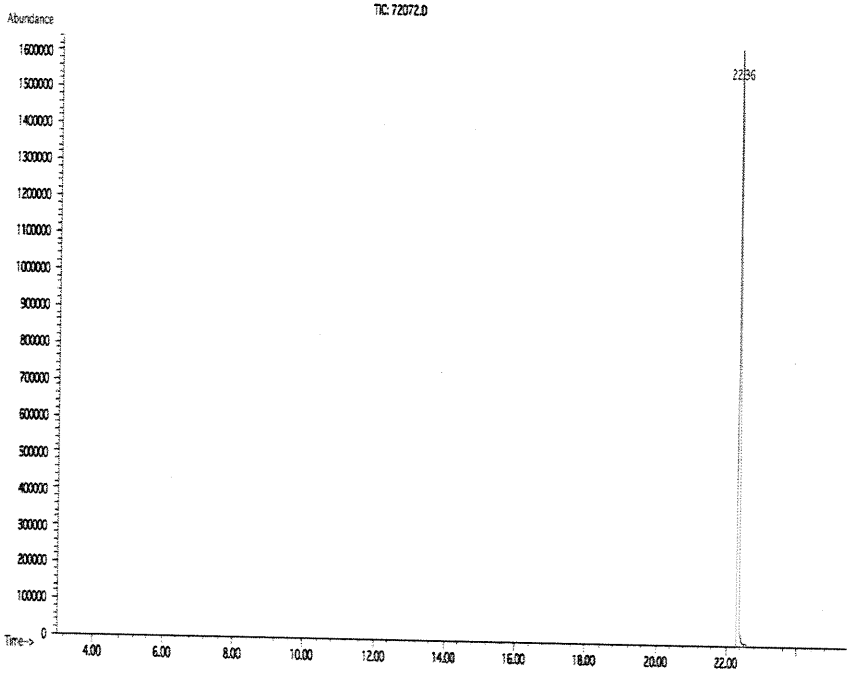
Received by SG on 11/1/19
P9044 - P9053

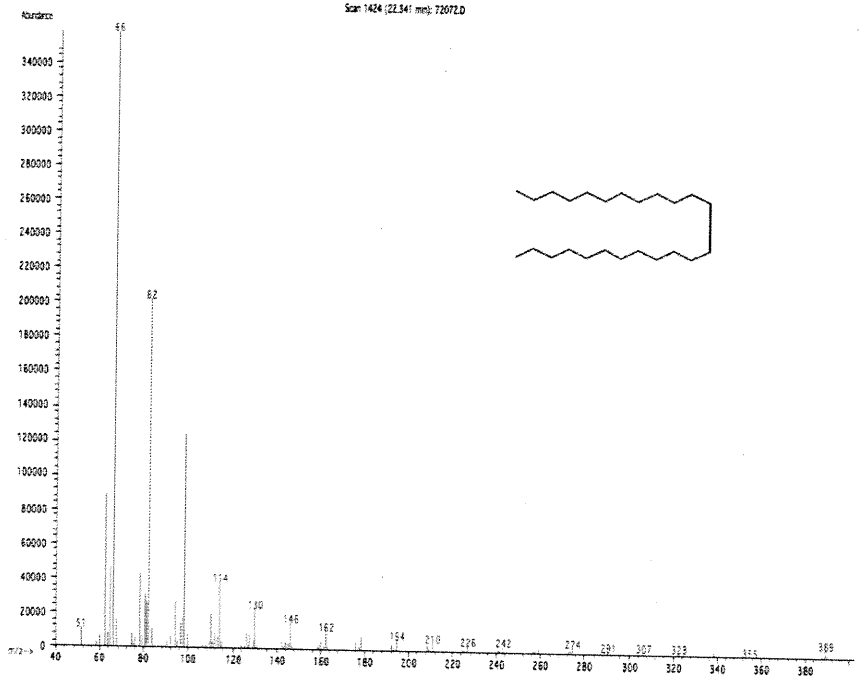
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Prashant Chauhan	112018 DATE
Reviewed By:	Pedro Rentas	112018 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	16416-32-3	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.





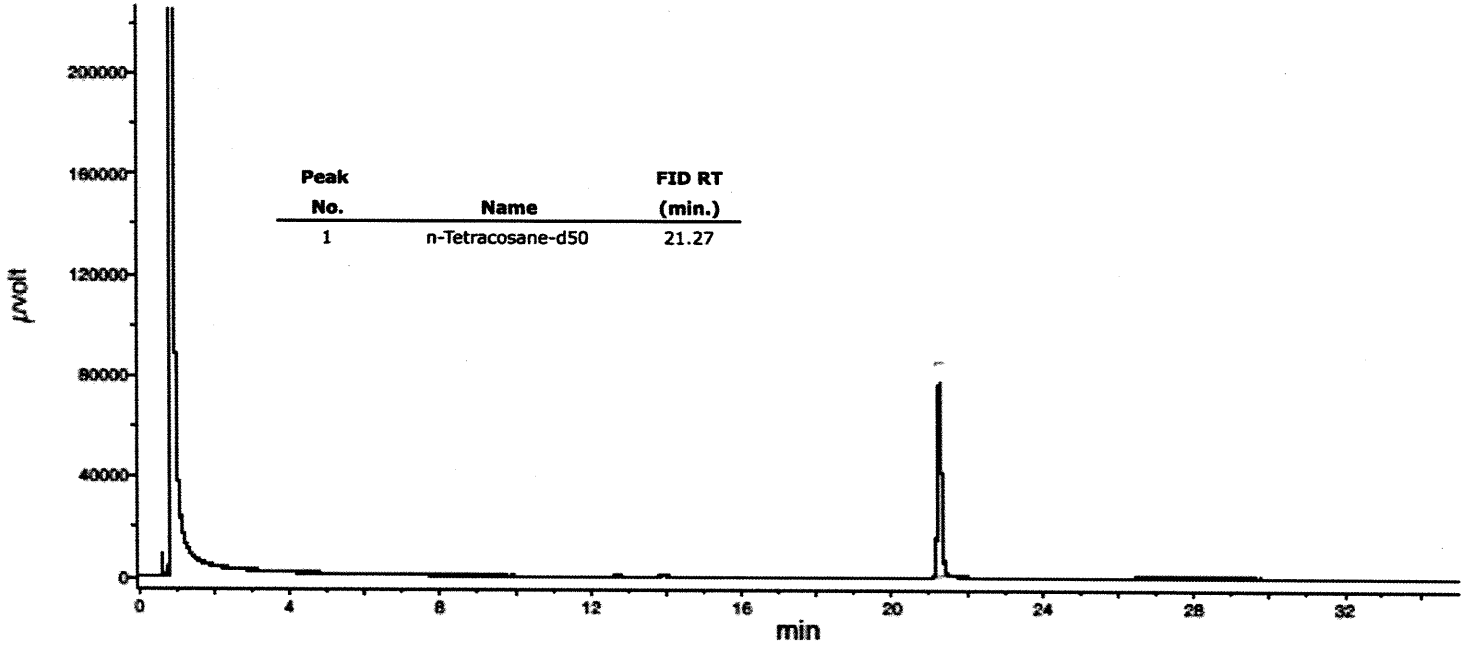
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.
Created: Thu, Nov 22, 2018 at 7:23:18 AM.
Sampled: Sequence "112018-GC4M1", Method "GC4-M1".
Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5um Film Thickness
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) =360 mL
Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.
Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 uL, Range = 3



Peak No.	Name	FID RT (min.)
1	n-Tetracosane-d50	21.27

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

W3147
W3147 update: 02/03/2025 JP

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

SHIPPING DOCUMENTS

Q 2638

Chemtech

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

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 4_01/08/2020

39 Spruce Street
East Longmeadow, MA 01028

Page __1__ of __1__

Company Name:	Nobis Group
Address:	55 Technology Dr Suite 101, Lowell, MA 01851
Phone:	978-703-6014
Project Name:	Raymark
Project Location:	Stratford, CT
Project Number:	95700
Project Manager:	Adam Roy
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	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-TS-31-071725	7/17/25	10:30	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-32-071725	7/17/25	10:40	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-33-071725	7/17/25	10:50	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-34-071725	7/17/25	11:00	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-35-071725	7/17/25	11:10	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-36-071725	7/17/25	11:20	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-37-071725	7/17/25	11:30	G	SO		3	2					X	X	X	X	X	X	X	X	X

[2] Preservation Code

Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Contest is not responsible for missing samples from prepacked coolers

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	Date/Time: 7/17/25 1500	Client Comments:
Received by: (signature)	Date/Time: 7/18/25 0755	
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:	

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: 5.1°C - 4.7°C

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2638 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 7/18/2025 10:07:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 7/18/2025 9:55:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2638-01	OU4-TS-31-071725	Solid	07/17/2025	10:30					
					VOCMS Group3		8260D		5 Bus. Days
Q2638-03	OU4-TS-32-071725	Solid	07/17/2025	10:40					
					VOCMS Group3		8260D		5 Bus. Days
Q2638-05	OU4-TS-33-071725	Solid	07/17/2025	10:50					
					VOCMS Group3		8260D		5 Bus. Days
Q2638-07	OU4-TS-34-071725	Solid	07/17/2025	11:00					
					VOCMS Group3		8260D		5 Bus. Days
Q2638-09	OU4-TS-35-071725	Solid	07/17/2025	11:10					
					VOCMS Group3		8260D		5 Bus. Days
Q2638-11	OU4-TS-36-071725	Solid	07/17/2025	11:20					
					VOCMS Group3		8260D		5 Bus. Days
Q2638-13	OU4-TS-37-071725	Solid	07/17/2025	11:30					
					VOCMS Group3		8260D		5 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2638 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
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Order Date : 7/18/2025 10:07:00 AM
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Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : _____
Date / Time : 7/18/25 1100

Received By : _____
Date / Time : 07/18/25 11:20
Storage Area : VOA Refridgerator Room

R6
F22

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096238.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:26
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:27:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.829	75321177	121.3E6	20.642	21.009	
28)	SA Decachlor...	9.020	7.996	61373713	109.6E6	21.817	21.972	
	Target Compounds							
2)	A alpha-BHC	3.985	3.335	52179910	87832663	10.146	10.414	
3)	MA gamma-BHC...	4.313	3.667	52975484	83194325	10.638	10.563	
6)	B beta-BHC	4.500	3.963	22129275	37541154	10.645	10.964	
9)	A Endosulfan I	0.000	5.173	0	26405397	N.D.	3.681	#
11)	B alpha-Chl...	0.000	5.127	0	9372876	N.D.	1.246	#
14)	MA Endrin	6.546	5.713	171.7E6	337.6E6	55.201	55.377	
16)	A 4,4'-DDD	6.680	0.000	8488821	0	2.915	N.D.	#
17)	MA 4,4'-DDT	6.992	6.113	321.9E6	652.2E6	106.053	113.722	
20)	A Methoxychlor	7.465	6.685	396.8E6	755.9E6	251.881	248.841	
21)	B Endrin ke...	7.600	0.000	9355435	0	2.834	N.D.	#
26)	Chlordane-4	0.000	5.127	0	9372876	N.D.	12.473	#

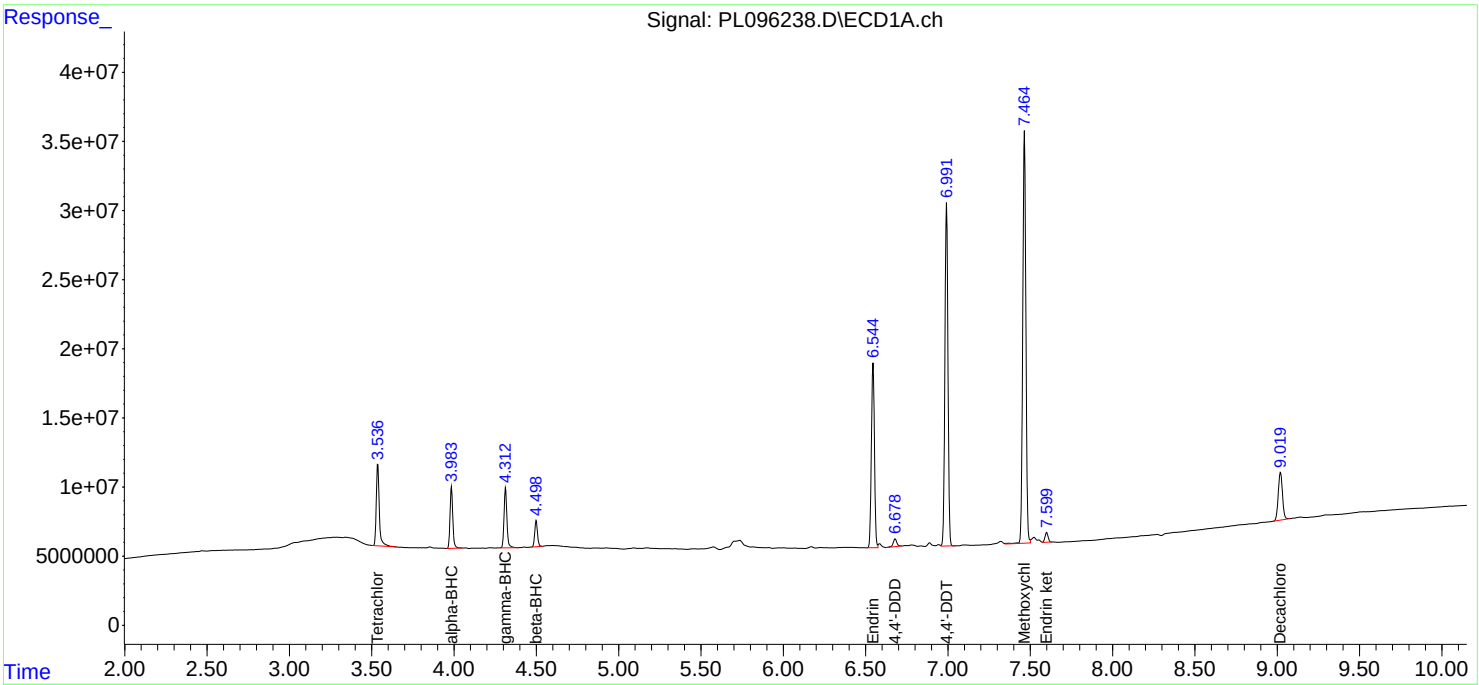
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

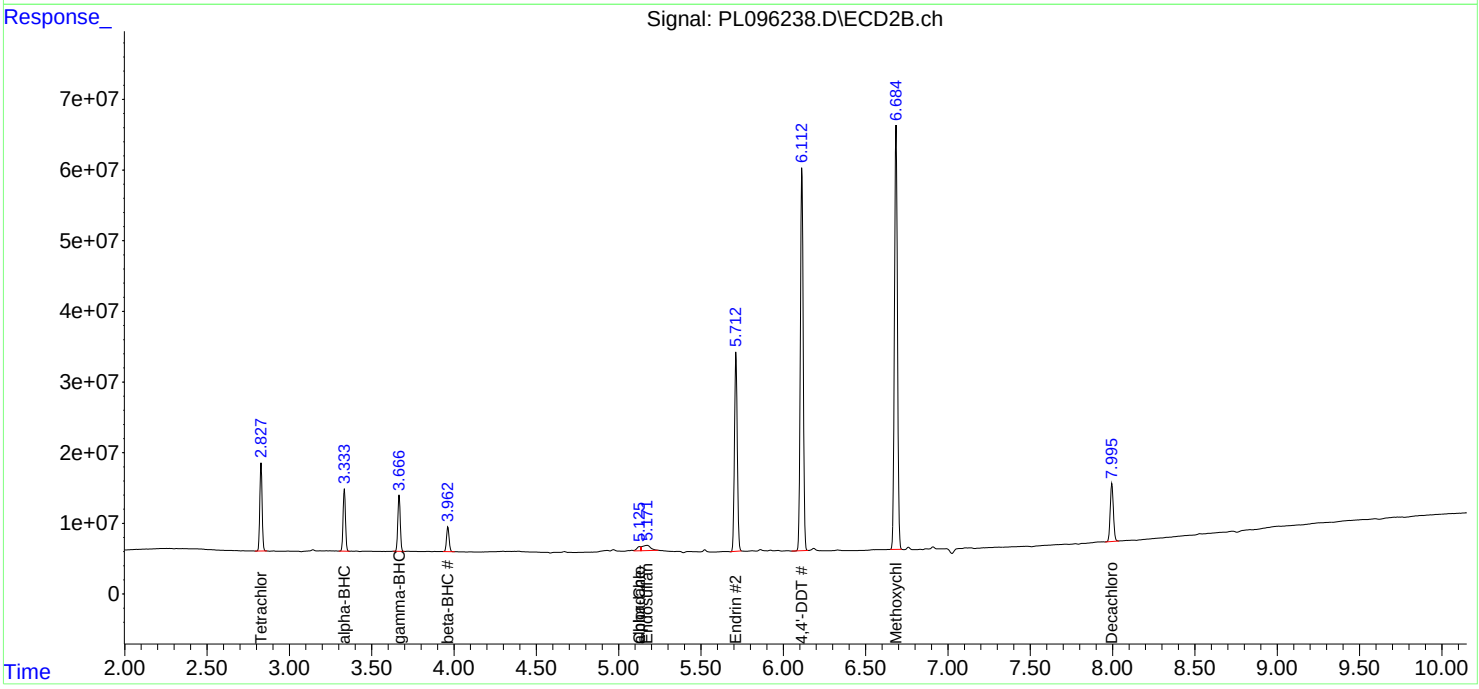
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096238.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:26
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

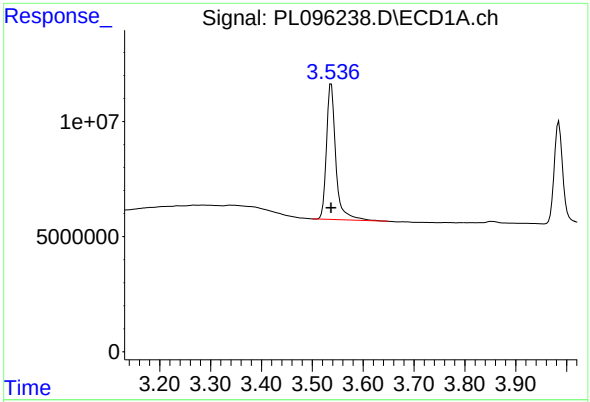
Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:27:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



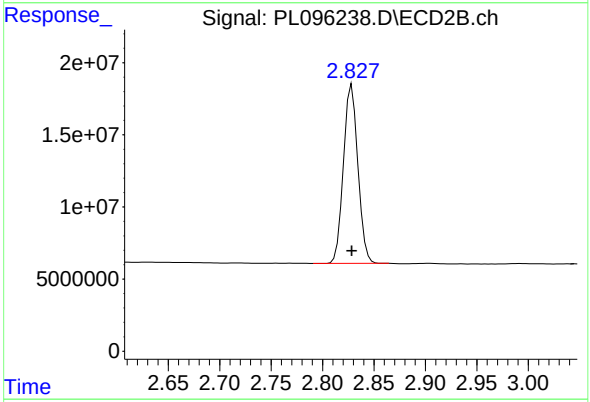




#1 Tetrachloro-m-xylene

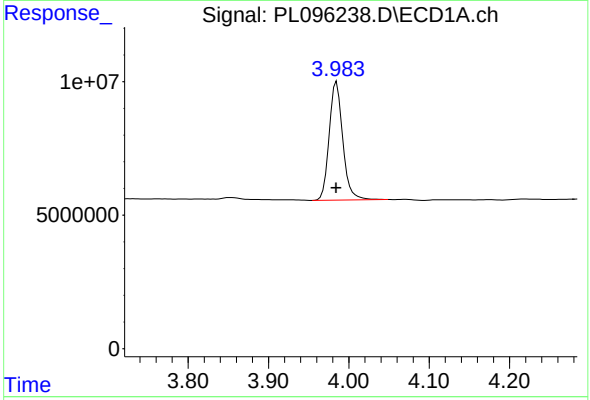
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 75321177
Conc: 20.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



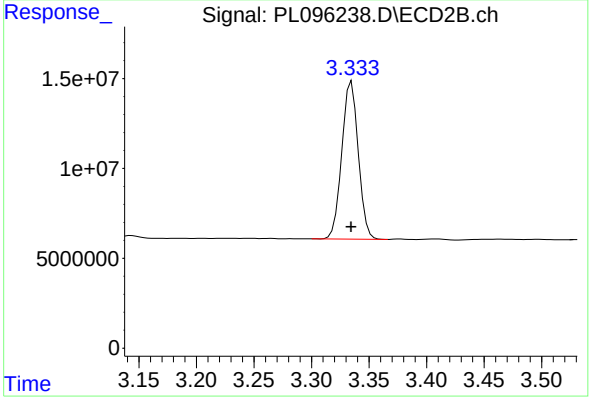
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 121250157
Conc: 21.01 ng/ml



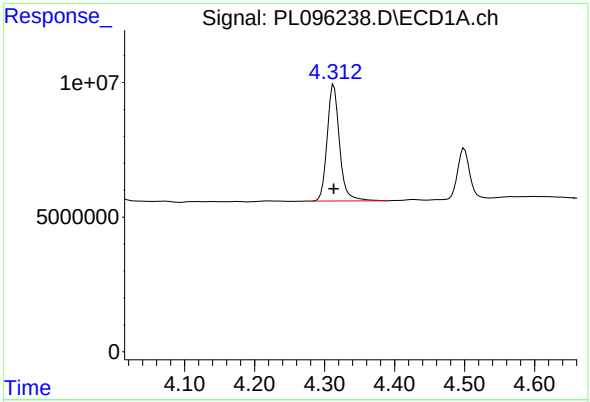
#2 alpha-BHC

R.T.: 3.985 min
Delta R.T.: 0.000 min
Response: 52179910
Conc: 10.15 ng/ml



#2 alpha-BHC

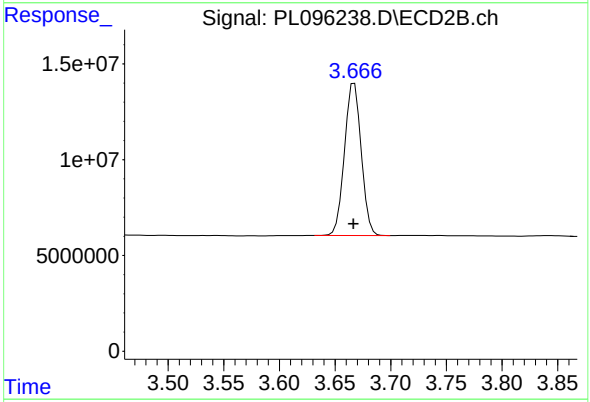
R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 87832663
Conc: 10.41 ng/ml



#3 gamma-BHC (Lindane)

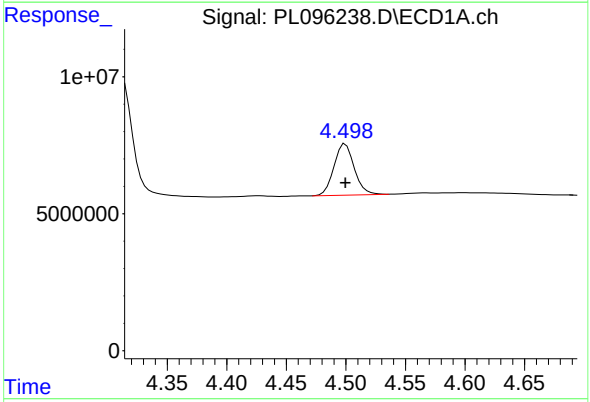
R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 52975484
Conc: 10.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



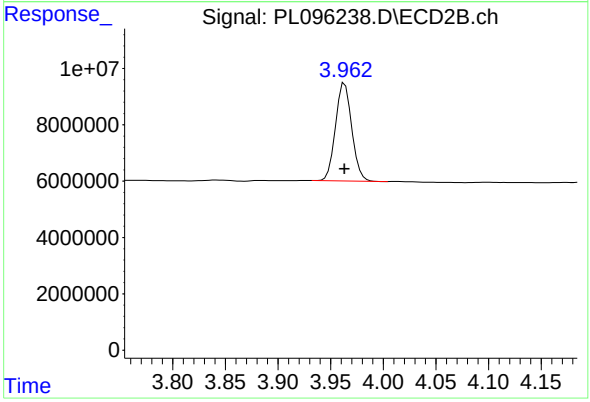
#3 gamma-BHC (Lindane)

R.T.: 3.667 min
Delta R.T.: 0.000 min
Response: 83194325
Conc: 10.56 ng/ml



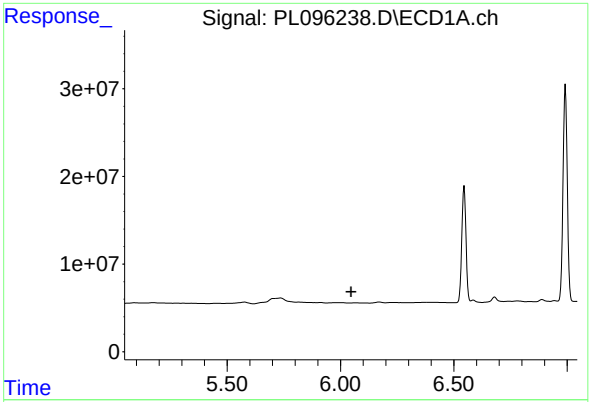
#6 beta-BHC

R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 22129275
Conc: 10.65 ng/ml



#6 beta-BHC

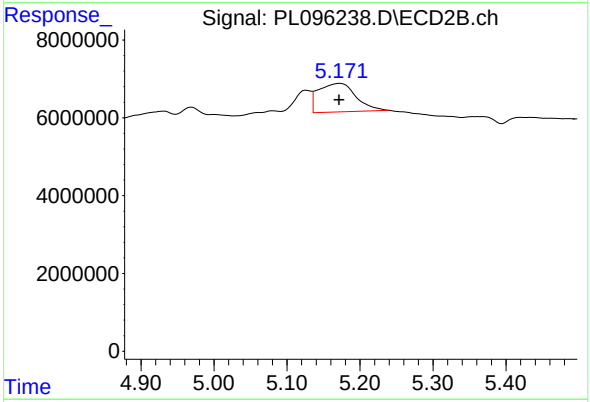
R.T.: 3.963 min
Delta R.T.: 0.000 min
Response: 37541154
Conc: 10.96 ng/ml



#9 Endosulfan I

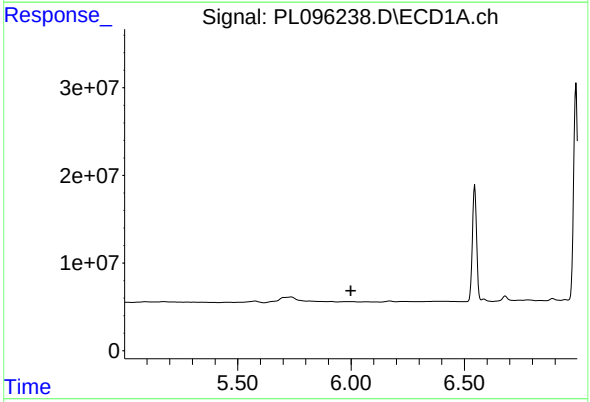
R.T.: 0.000 min
Exp R.T. : 6.047 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



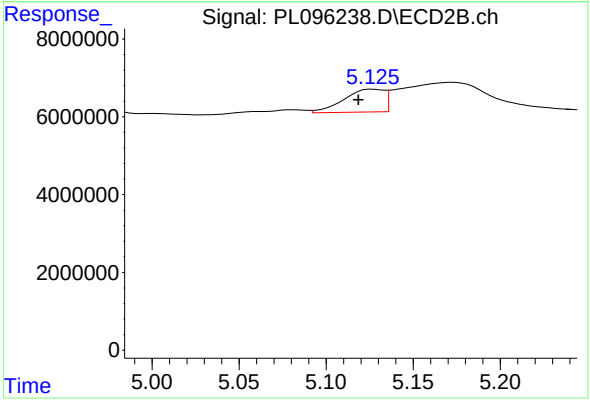
#9 Endosulfan I

R.T.: 5.173 min
Delta R.T.: 0.001 min
Response: 26405397
Conc: 3.68 ng/ml



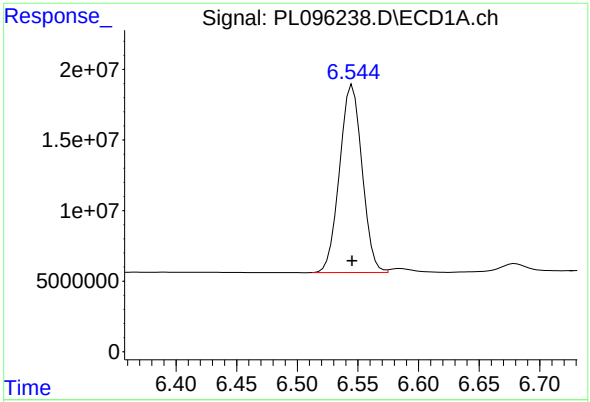
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T. : 6.000 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

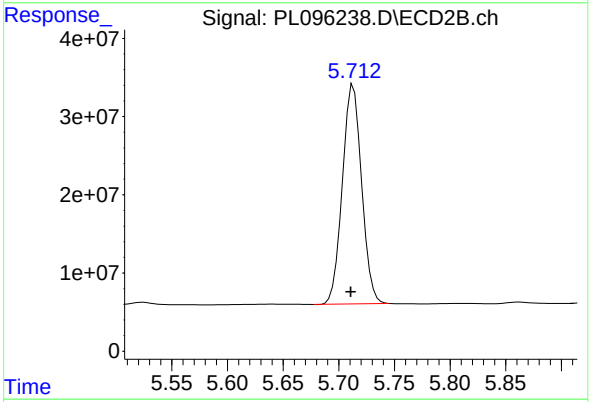
R.T.: 5.127 min
Delta R.T.: 0.008 min
Response: 9372876
Conc: 1.25 ng/ml



#14 Endrin

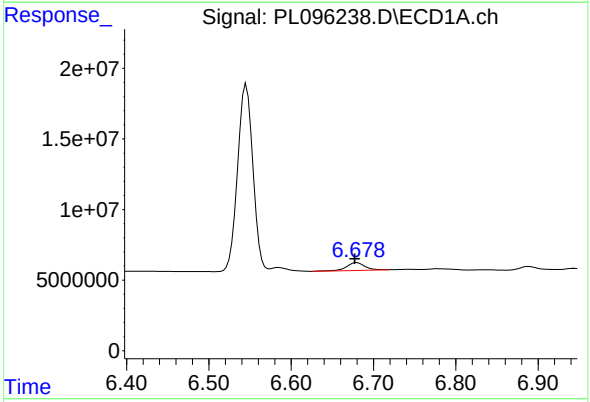
R.T.: 6.546 min
Delta R.T.: 0.000 min
Response: 171686207
Conc: 55.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



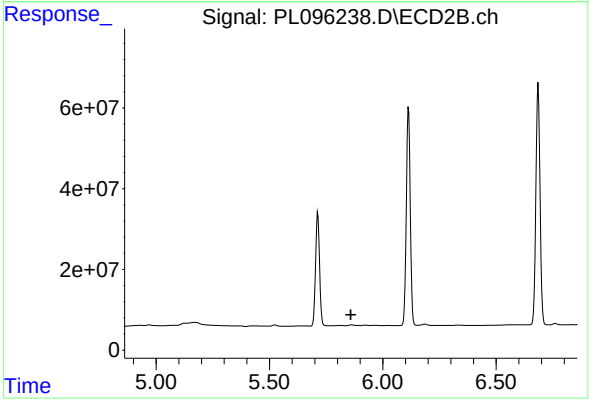
#14 Endrin

R.T.: 5.713 min
Delta R.T.: 0.002 min
Response: 337605121
Conc: 55.38 ng/ml



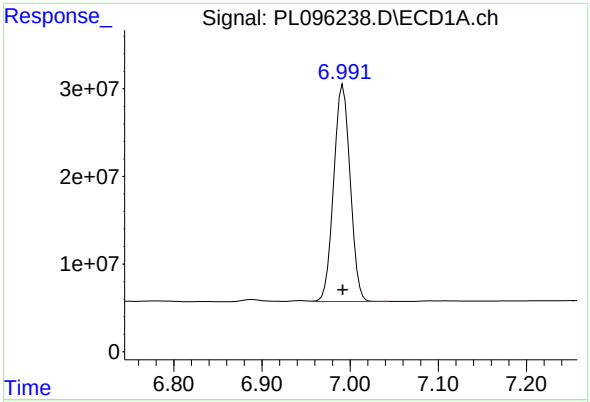
#16 4,4'-DDD

R.T.: 6.680 min
Delta R.T.: 0.003 min
Response: 8488821
Conc: 2.92 ng/ml



#16 4,4'-DDD

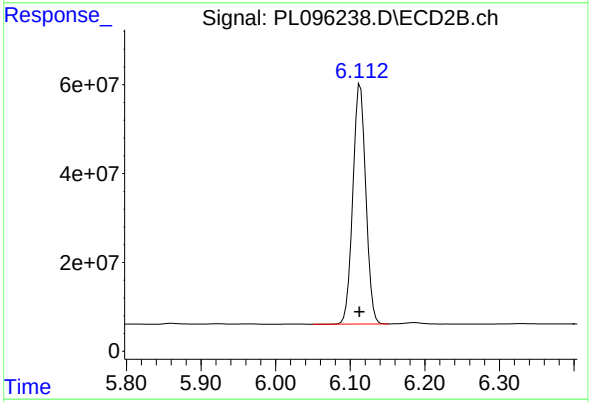
R.T.: 0.000 min
Exp R.T. : 5.859 min
Response: 0
Conc: N.D.



#17 4,4'-DDT

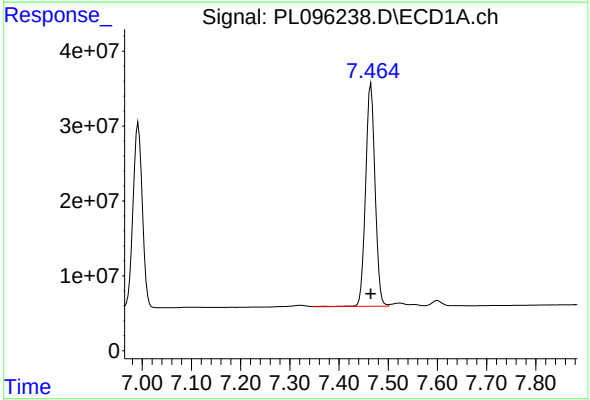
R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 321893056
Conc: 106.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



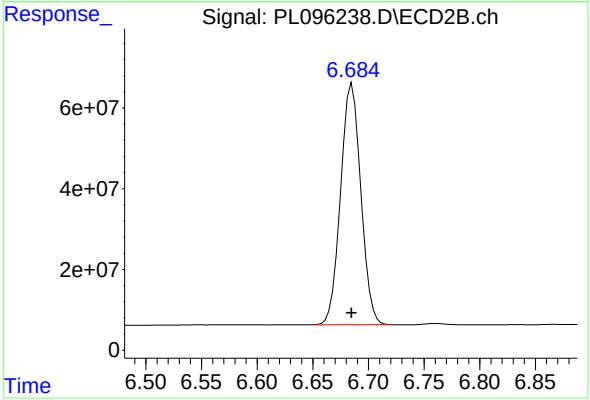
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 652208058
Conc: 113.72 ng/ml



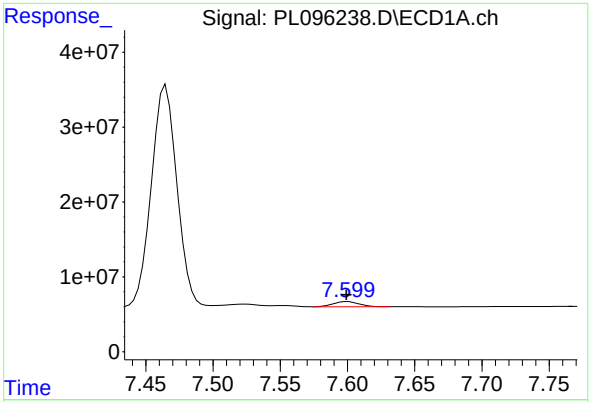
#20 Methoxychlor

R.T.: 7.465 min
Delta R.T.: 0.000 min
Response: 396812893
Conc: 251.88 ng/ml



#20 Methoxychlor

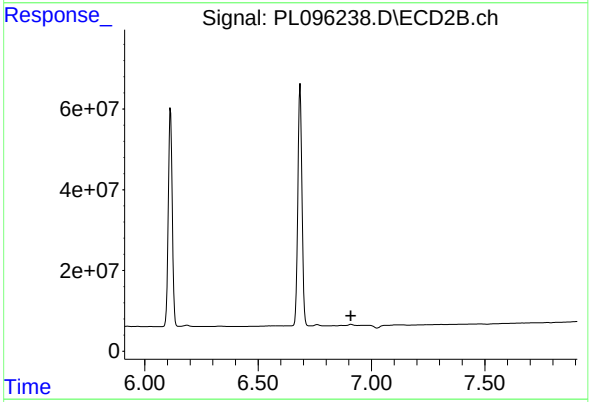
R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 755922283
Conc: 248.84 ng/ml



#21 Endrin ketone

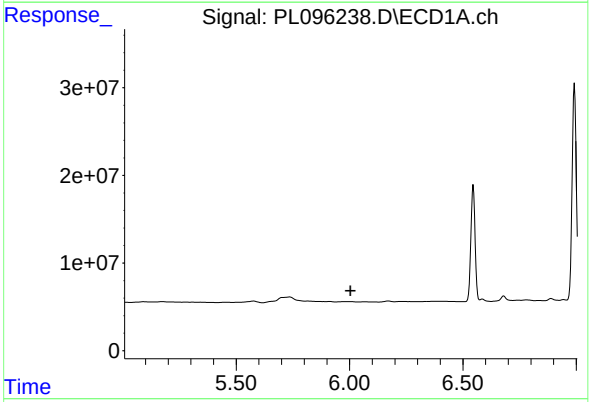
R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 9355435
Conc: 2.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



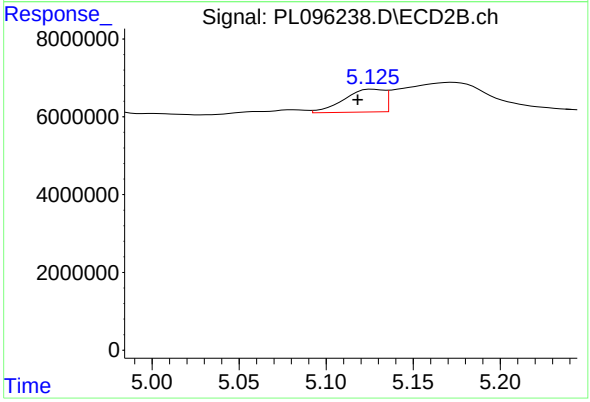
#21 Endrin ketone

R.T.: 0.000 min
Exp R.T. : 6.909 min
Response: 0
Conc: N.D.



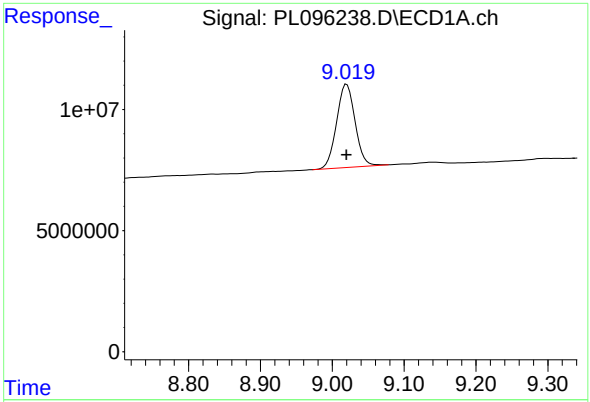
#26 Chlordane-4

R.T.: 0.000 min
Exp R.T. : 6.004 min
Response: 0
Conc: N.D.



#26 Chlordane-4

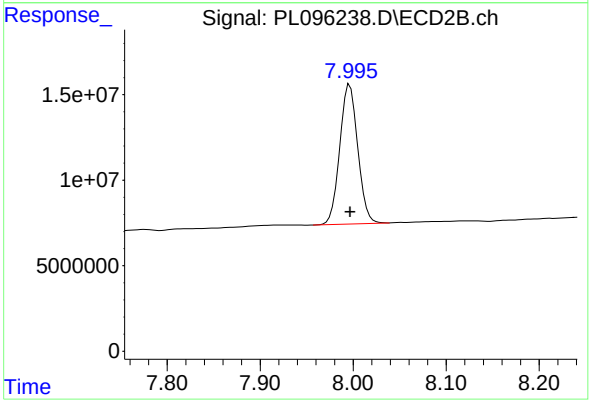
R.T.: 5.127 min
Delta R.T.: 0.009 min
Response: 9372876
Conc: 12.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 61373713
Conc: 21.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 109564299
Conc: 21.97 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096239.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:40
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:27:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.829	62690780	102.2E6	17.180	17.704	
28)	SA Decachlor...	9.020	7.996	50426233	89762754	17.926	18.001	
	Target Compounds							
9)	A Endosulfan I	6.047	5.173	32887236	87249187	8.146	12.162	#
10)	B gamma-Chl...	5.919	5.054	38063125	59640944	8.602	8.496	
12)	B 4,4'-DDE	6.169	5.307	64648183	115.1E6	17.437	17.809	
13)	MA Dieldrin	6.319	5.438	73314501	120.9E6	17.339	17.729	
19)	B Endosulfa...	7.120	6.406	55307739	102.1E6	18.081	18.156	
20)	A Methoxychlor	7.464	6.685	131.3E6	265.5E6	83.329	87.403	
21)	B Endrin ke...	7.599	6.910	58507106	113.8E6	17.721	18.203	
25)	Chlordane-3	5.919	5.054	38063125	59640944	51.663	74.131	#

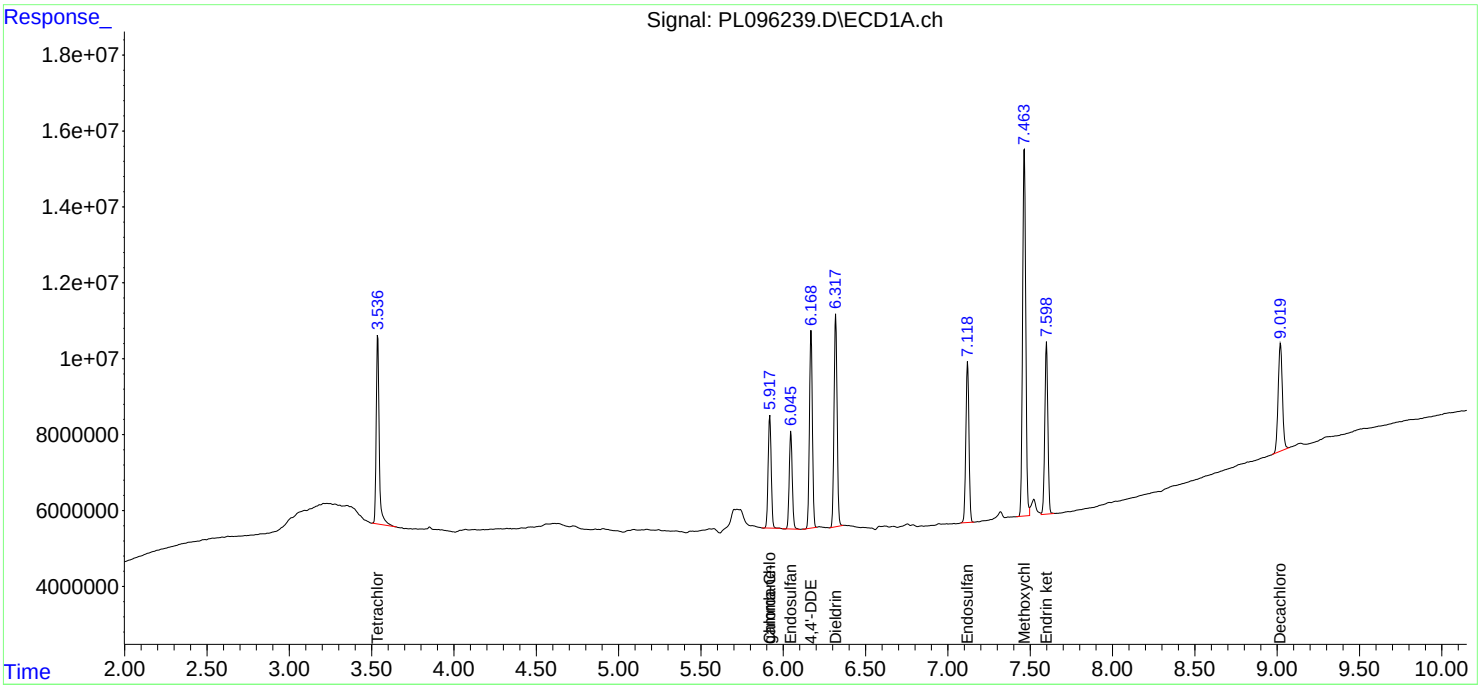
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

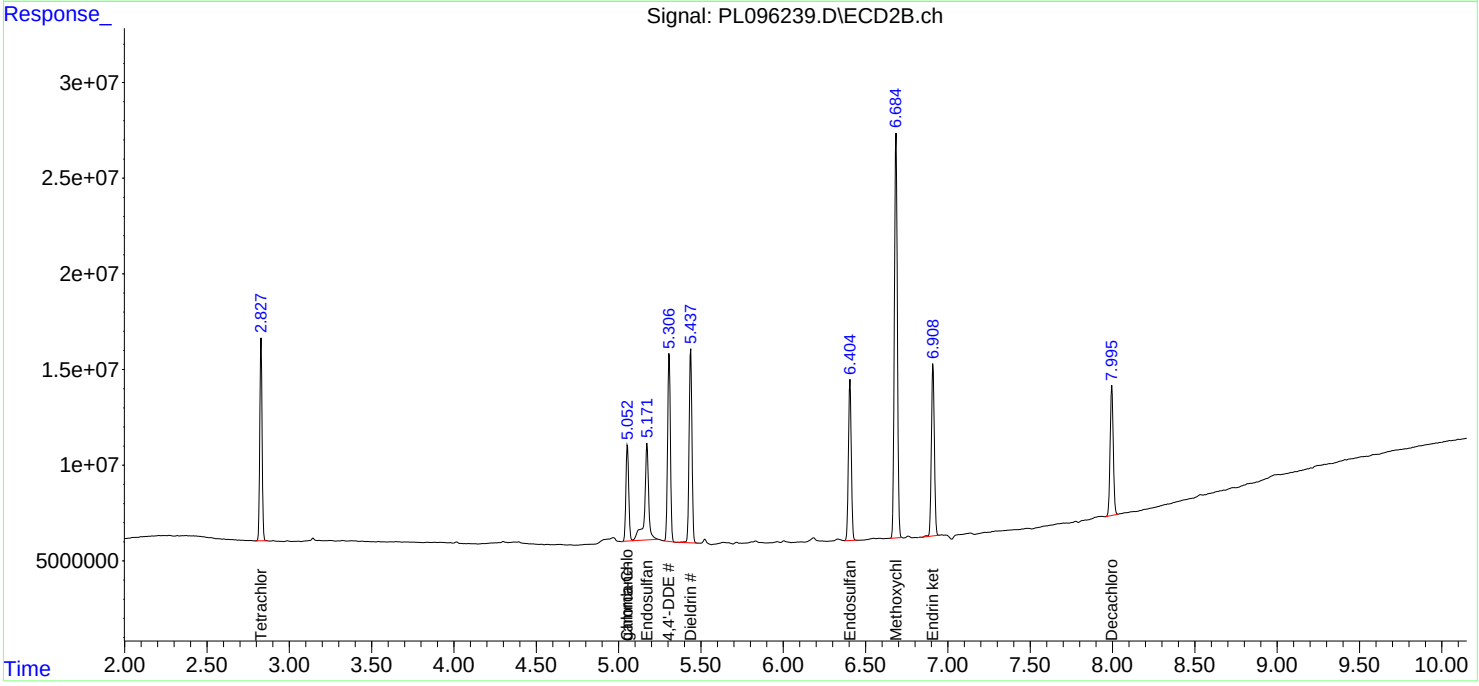
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096239.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:40
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

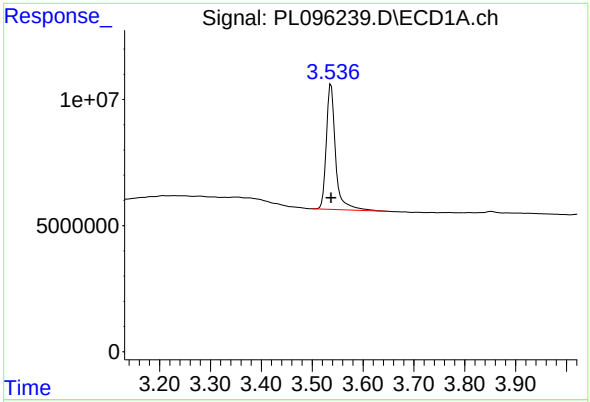
Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:27:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



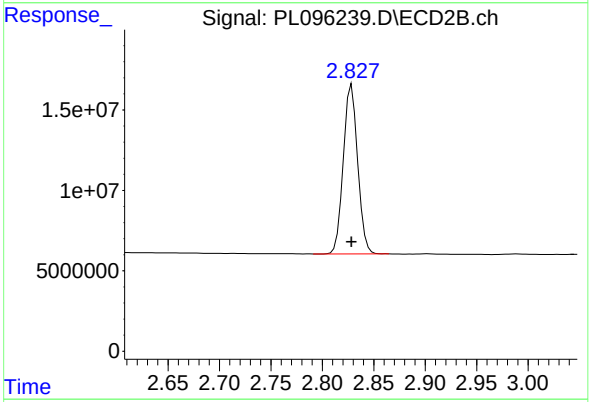




#1 Tetrachloro-m-xylene

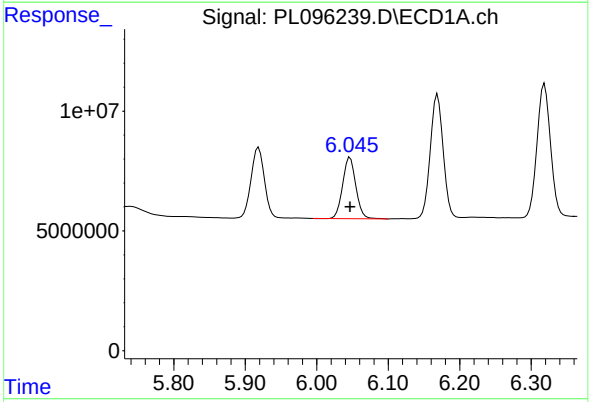
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 62690780
Conc: 17.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



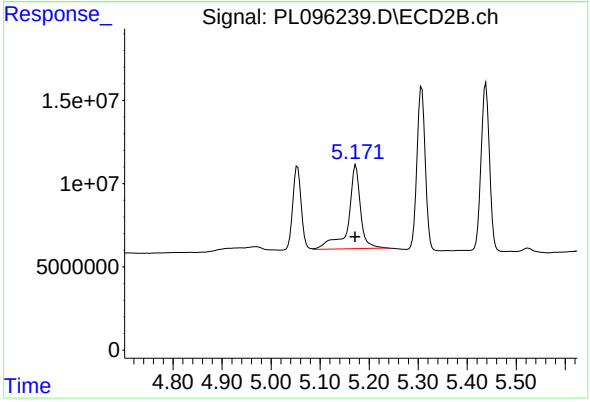
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 102171887
Conc: 17.70 ng/ml



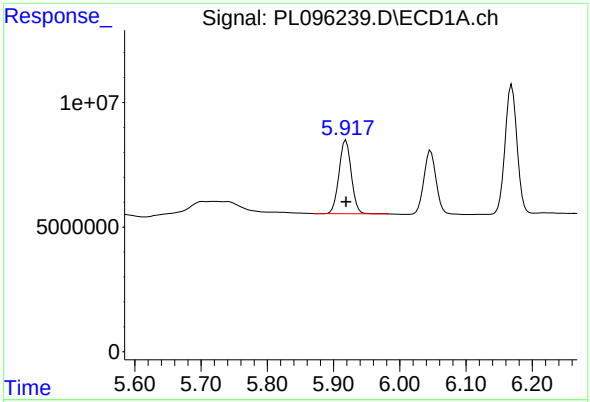
#9 Endosulfan I

R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 32887236
Conc: 8.15 ng/ml



#9 Endosulfan I

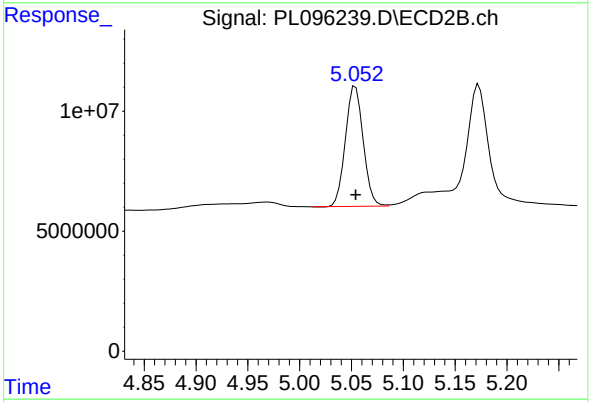
R.T.: 5.173 min
Delta R.T.: 0.001 min
Response: 87249187
Conc: 12.16 ng/ml



#10 gamma-Chlordane

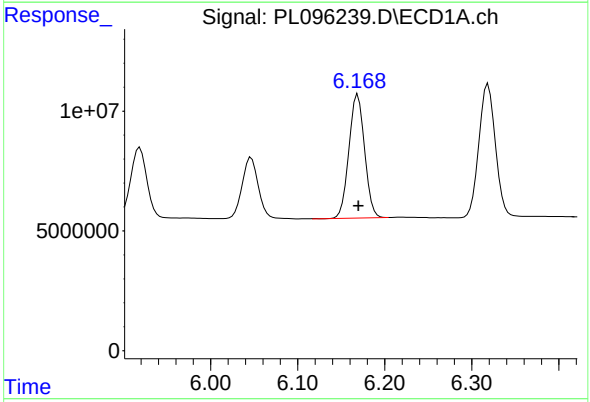
R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 38063125
Conc: 8.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



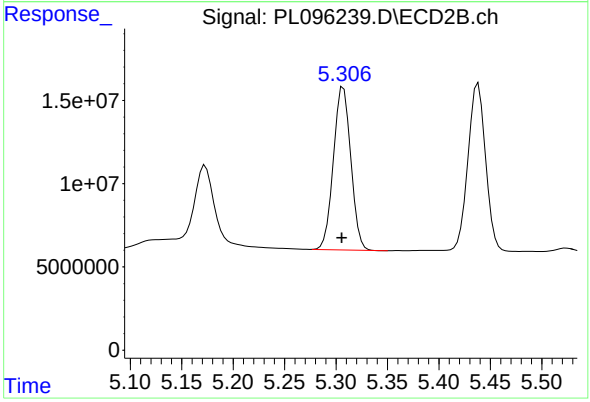
#10 gamma-Chlordane

R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 59640944
Conc: 8.50 ng/ml



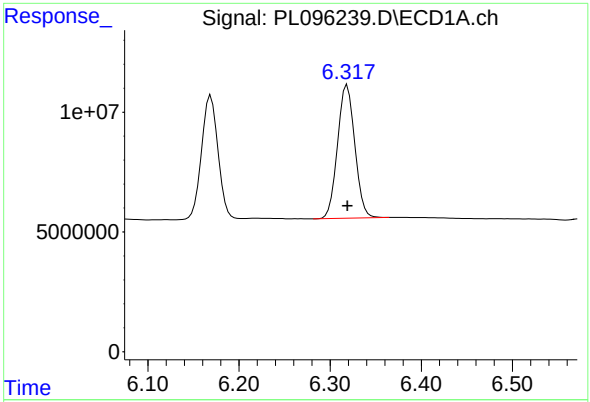
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 64648183
Conc: 17.44 ng/ml



#12 4,4'-DDE

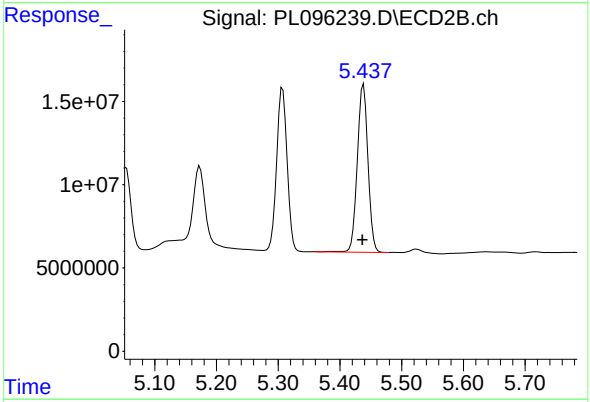
R.T.: 5.307 min
Delta R.T.: 0.002 min
Response: 115114975
Conc: 17.81 ng/ml



#13 Dieldrin

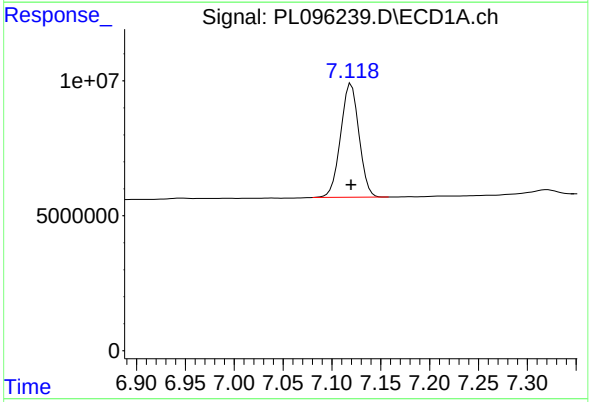
R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 73314501
Conc: 17.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



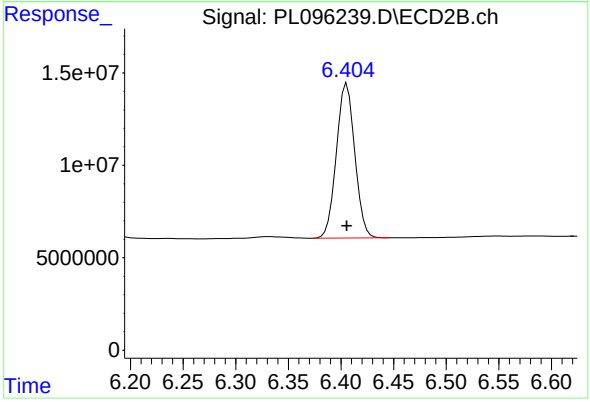
#13 Dieldrin

R.T.: 5.438 min
Delta R.T.: 0.002 min
Response: 120898616
Conc: 17.73 ng/ml



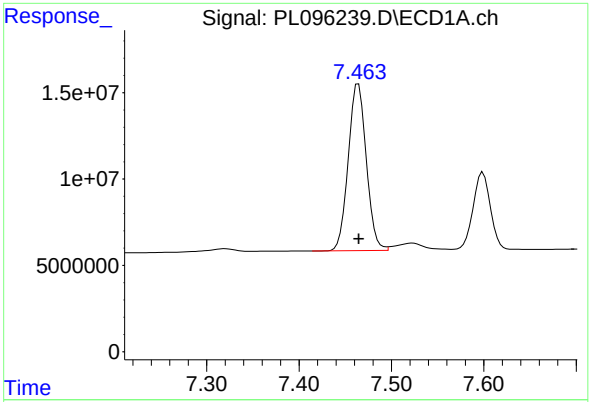
#19 Endosulfan Sulfate

R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 55307739
Conc: 18.08 ng/ml



#19 Endosulfan Sulfate

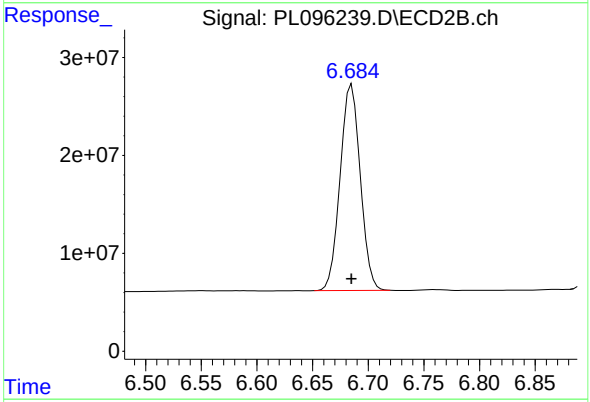
R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 102116369
Conc: 18.16 ng/ml



#20 Methoxychlor

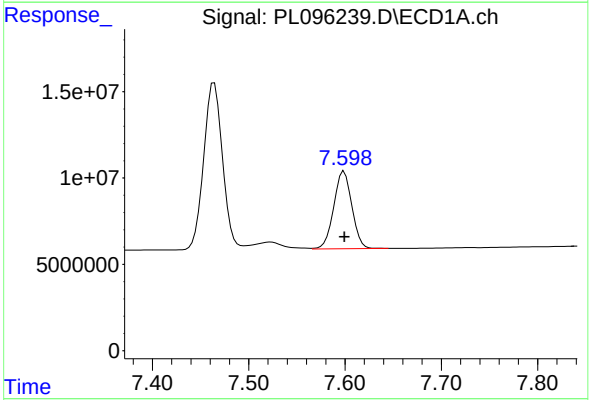
R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 131275919
Conc: 83.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



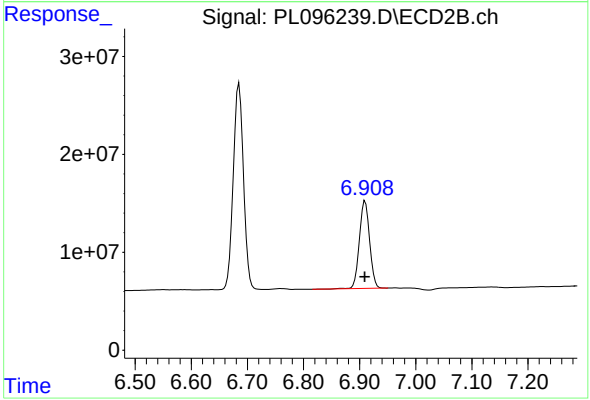
#20 Methoxychlor

R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 265510101
Conc: 87.40 ng/ml



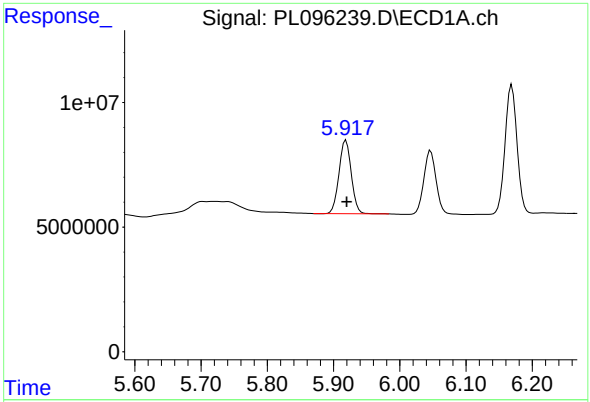
#21 Endrin ketone

R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 58507106
Conc: 17.72 ng/ml



#21 Endrin ketone

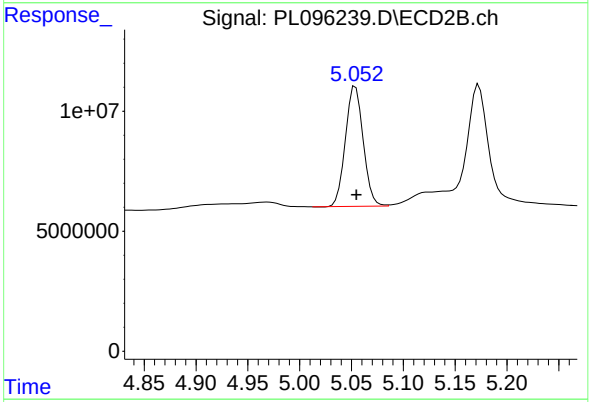
R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 113810797
Conc: 18.20 ng/ml



#25 Chlordane-3

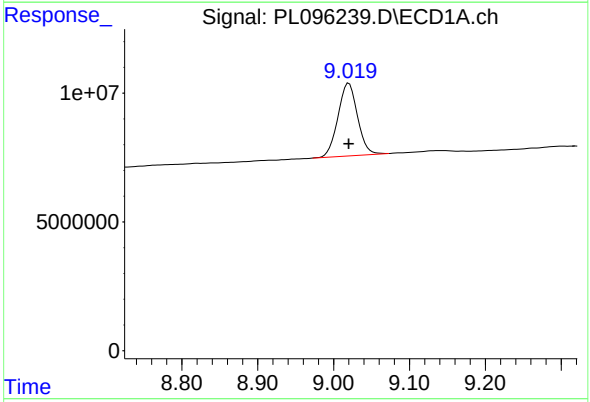
R.T.: 5.919 min
Delta R.T.: -0.001 min
Response: 38063125
Conc: 51.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



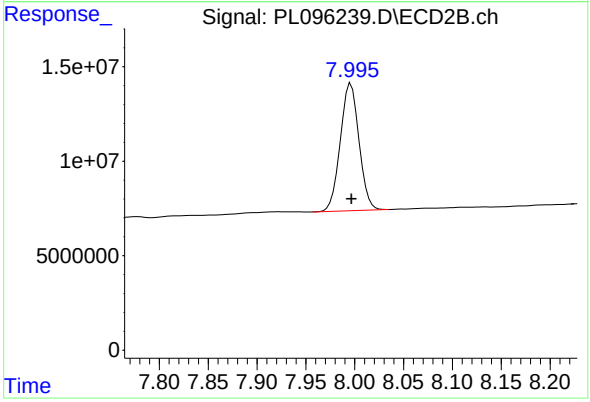
#25 Chlordane-3

R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 59640944
Conc: 74.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 50426233
Conc: 17.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 89762754
Conc: 18.00 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096240.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:53
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:52:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.537	2.829	368.7E6	577.1E6	101.101	100.218
28)	SA Decachlor...	9.019	7.995	273.5E6	478.8E6	100.092	99.128
	Target Compounds						
2)	A alpha-BHC	3.985	3.335	557.1E6	884.8E6	103.261	101.511
3)	MA gamma-BHC...	4.314	3.667	527.7E6	814.0E6	102.664	101.113
4)	MA Heptachlor	4.906	4.017	464.4E6	766.2E6	101.575	99.973
5)	MB Aldrin	5.247	4.300	504.4E6	747.6E6	102.285	100.786
6)	B beta-BHC	4.500	3.964	208.3E6	336.1E6	100.978	99.598
7)	B delta-BHC	4.745	4.197	480.4E6	801.4E6	103.084	101.347
8)	B Heptachlo...	5.666	4.802	436.1E6	658.8E6	101.607	99.221
9)	A Endosulfan I	6.047	5.174	410.4E6	641.6E6	101.629	98.818
10)	B gamma-Chl...	5.919	5.055	457.0E6	709.7E6	101.780	100.837
11)	B alpha-Chl...	6.000	5.119	446.8E6	704.6E6	101.494	99.867
12)	B 4,4'-DDE	6.170	5.308	392.7E6	673.9E6	103.496	101.524
13)	MA Dieldrin	6.319	5.438	441.2E6	694.6E6	102.223	100.151
14)	MA Endrin	6.546	5.713	327.9E6	617.9E6	101.964	100.270
15)	B Endosulfa...	6.758	6.004	343.6E6	584.8E6	100.989	100.302
16)	A 4,4'-DDD	6.678	5.860	302.6E6	557.2E6	101.912	103.879
17)	MA 4,4'-DDT	6.992	6.113	314.0E6	592.5E6	102.050	101.137
18)	B Endrin al...	6.887	6.183	221.6E6	412.5E6	100.089	98.301
19)	B Endosulfa...	7.120	6.406	313.7E6	556.8E6	101.719	99.788
20)	A Methoxychlor	7.464	6.685	152.0E6	294.9E6	99.505	98.686
21)	B Endrin ke...	7.599	6.910	337.0E6	617.6E6	101.073	99.487
22)	Mirex	8.079	7.101	272.3E6	474.8E6	99.763	99.059

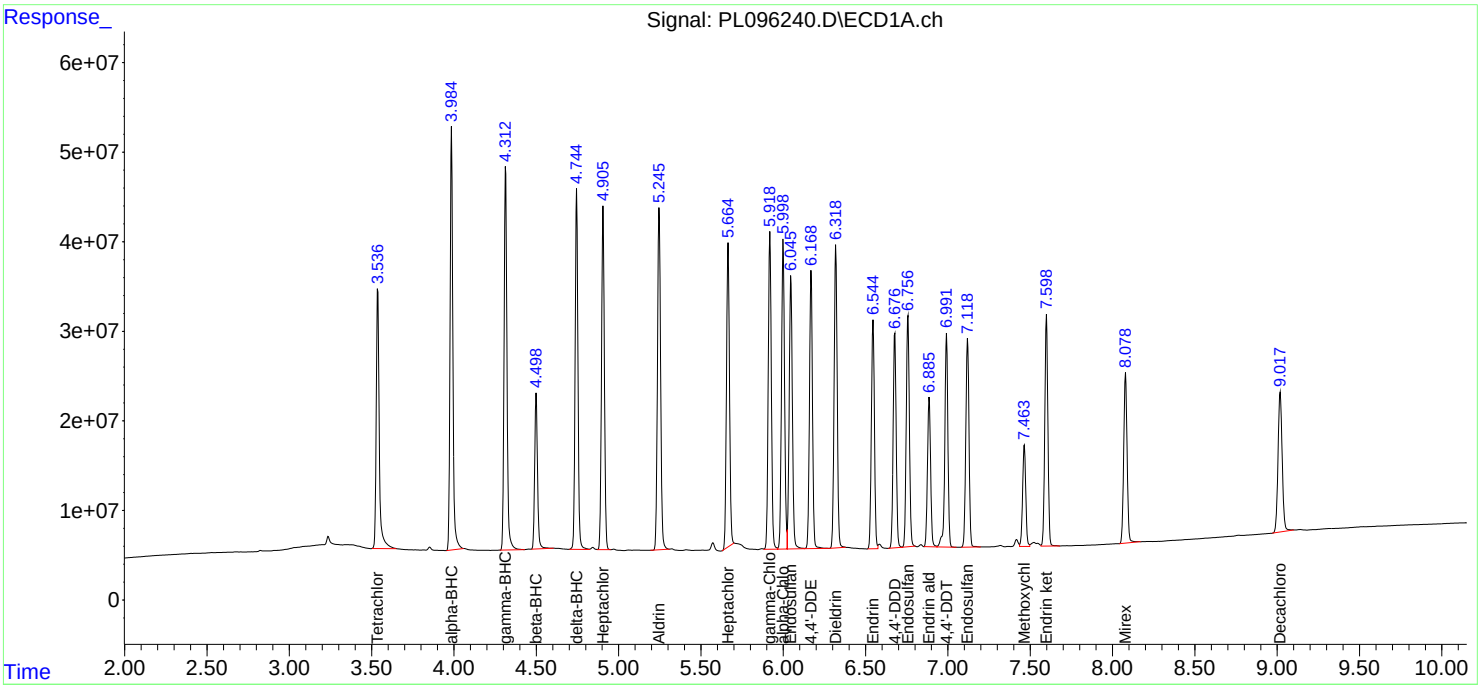
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

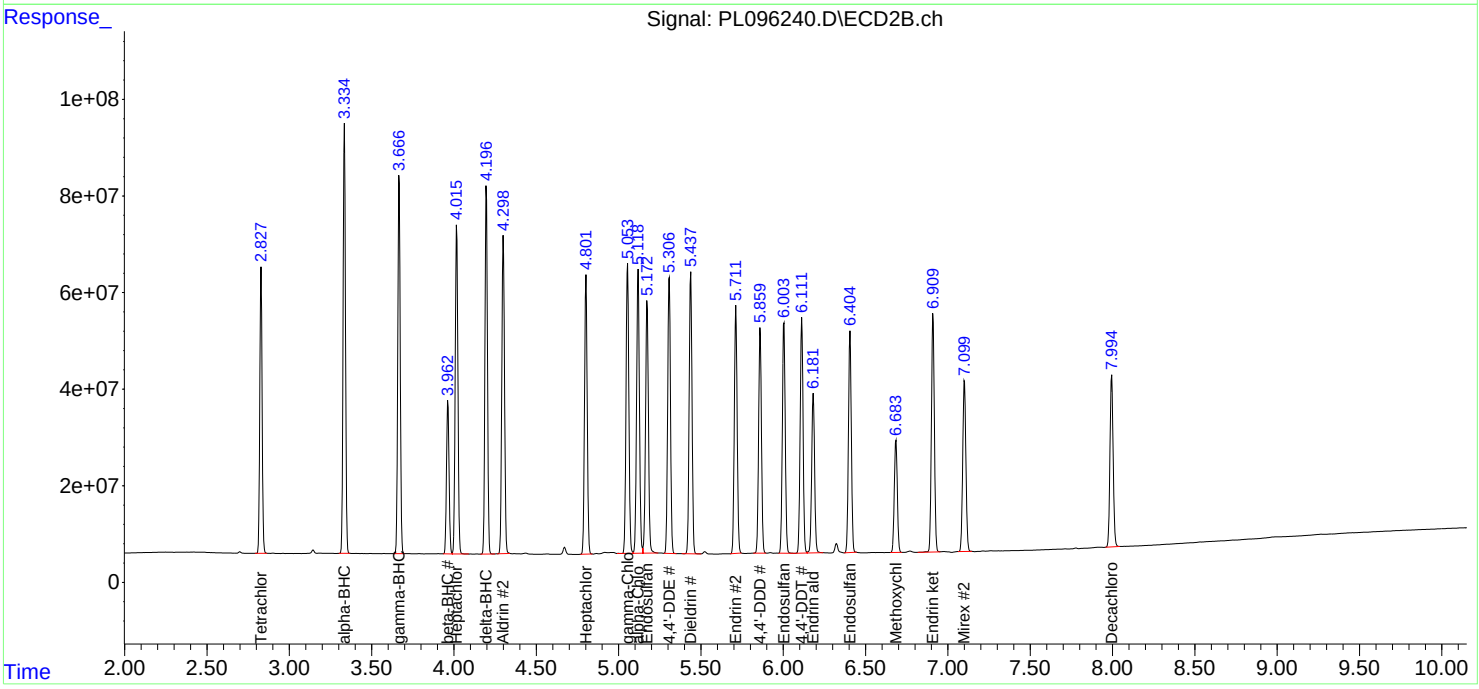
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096240.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:53
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

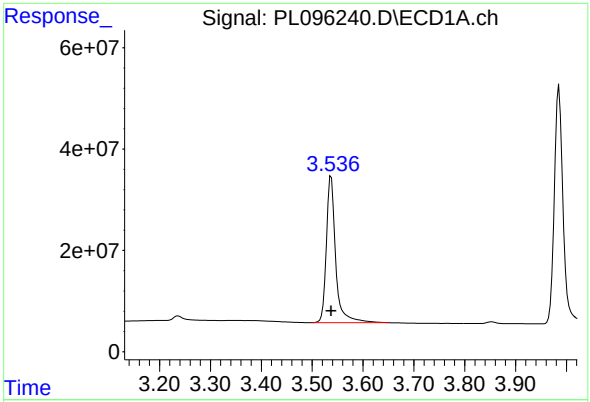
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:52:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



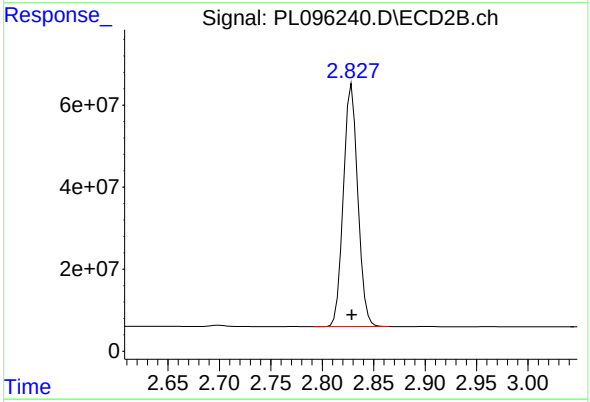




#1 Tetrachloro-m-xylene

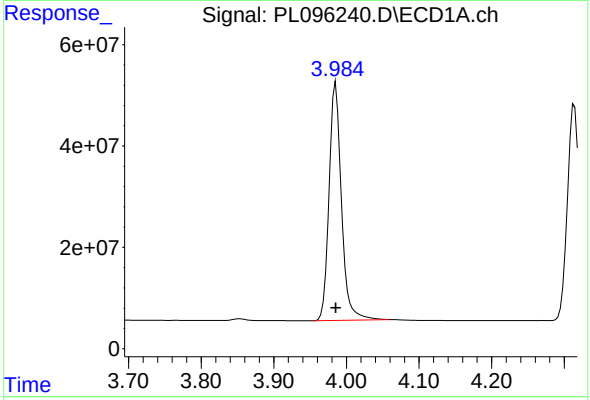
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 368713396
Conc: 101.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



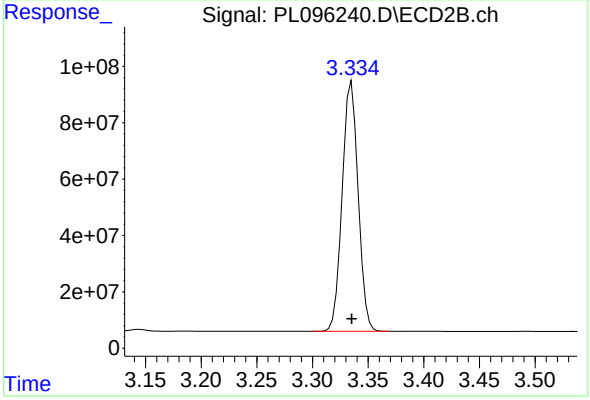
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 577119747
Conc: 100.22 ng/ml



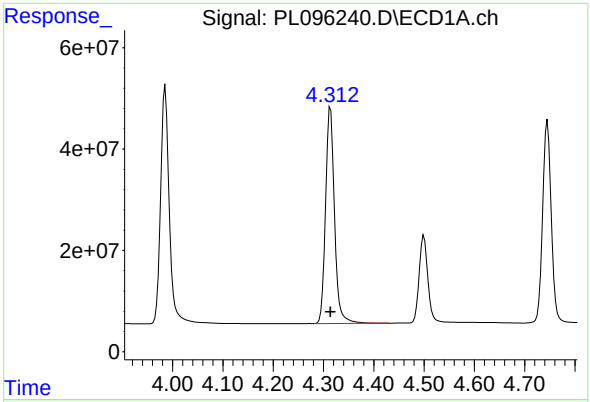
#2 alpha-BHC

R.T.: 3.985 min
Delta R.T.: 0.000 min
Response: 557101929
Conc: 103.26 ng/ml



#2 alpha-BHC

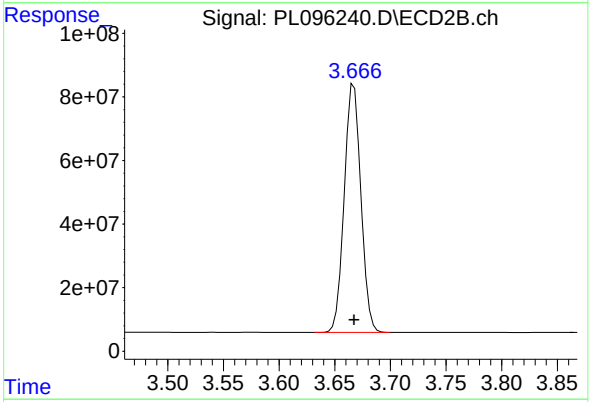
R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 884814859
Conc: 101.51 ng/ml



#3 gamma-BHC (Lindane)

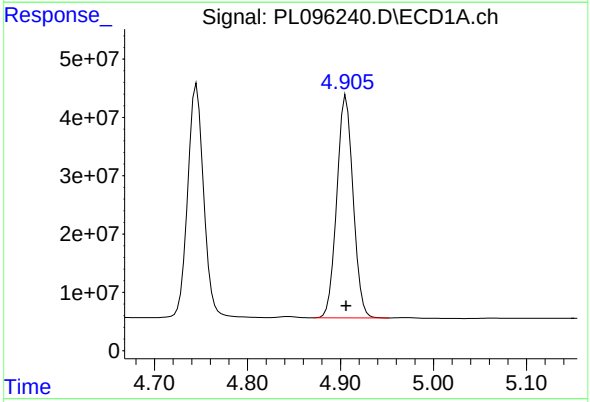
R.T.: 4.314 min
Delta R.T.: 0.000 min
Response: 527748889
Conc: 102.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



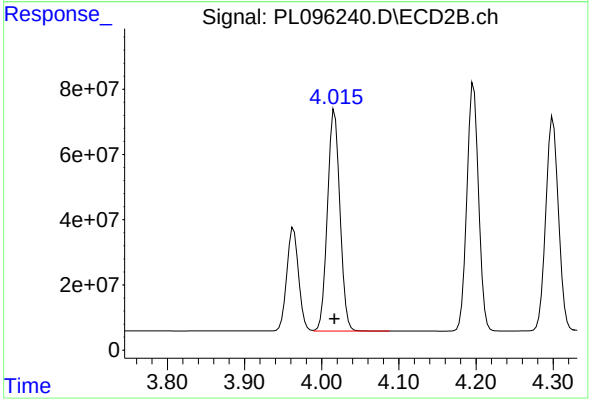
#3 gamma-BHC (Lindane)

R.T.: 3.667 min
Delta R.T.: 0.000 min
Response: 814046283
Conc: 101.11 ng/ml



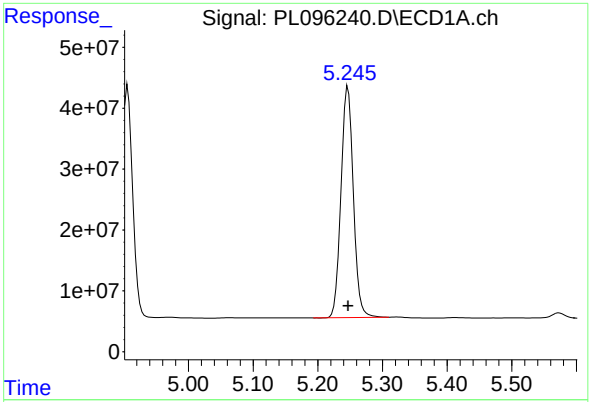
#4 Heptachlor

R.T.: 4.906 min
Delta R.T.: 0.000 min
Response: 464421737
Conc: 101.58 ng/ml



#4 Heptachlor

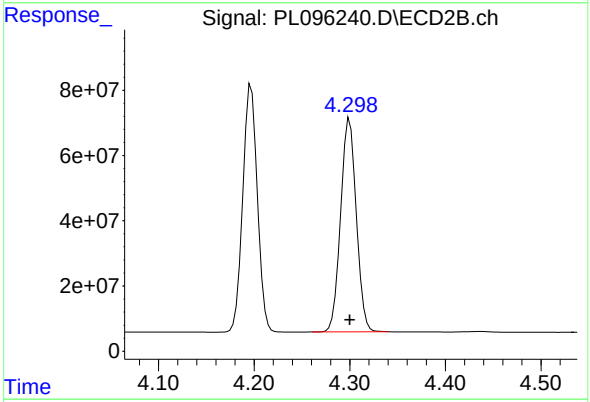
R.T.: 4.017 min
Delta R.T.: 0.000 min
Response: 766184215
Conc: 99.97 ng/ml



#5 Aldrin

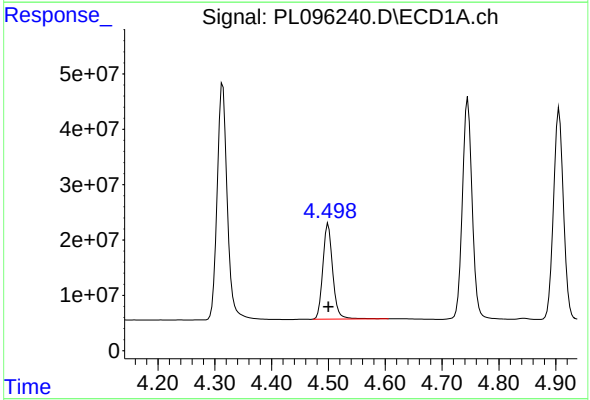
R.T.: 5.247 min
Delta R.T.: 0.000 min
Response: 504421526
Conc: 102.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



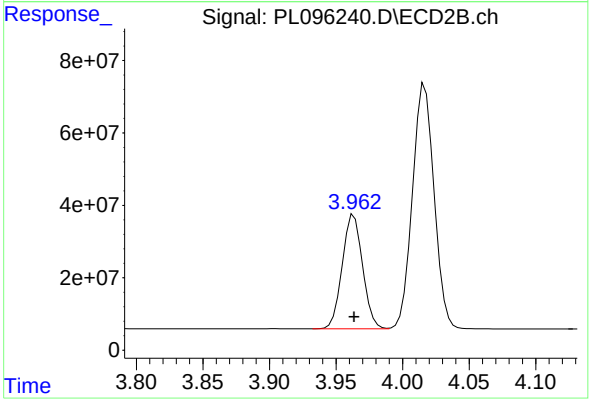
#5 Aldrin

R.T.: 4.300 min
Delta R.T.: 0.000 min
Response: 747589776
Conc: 100.79 ng/ml



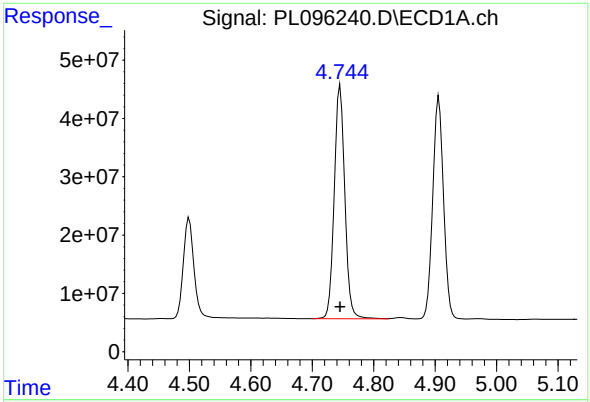
#6 beta-BHC

R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 208282525
Conc: 100.98 ng/ml



#6 beta-BHC

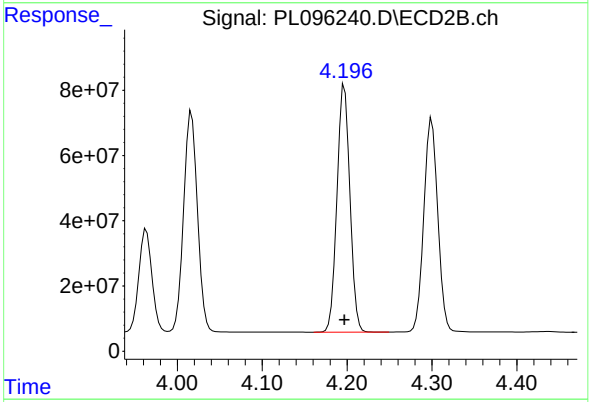
R.T.: 3.964 min
Delta R.T.: 0.000 min
Response: 336093656
Conc: 99.60 ng/ml



#7 delta-BHC

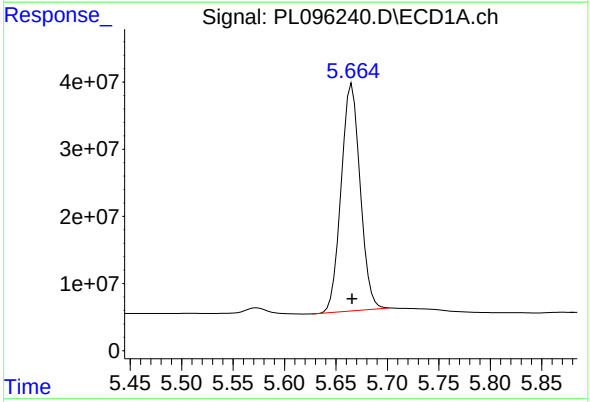
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 480409974
Conc: 103.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



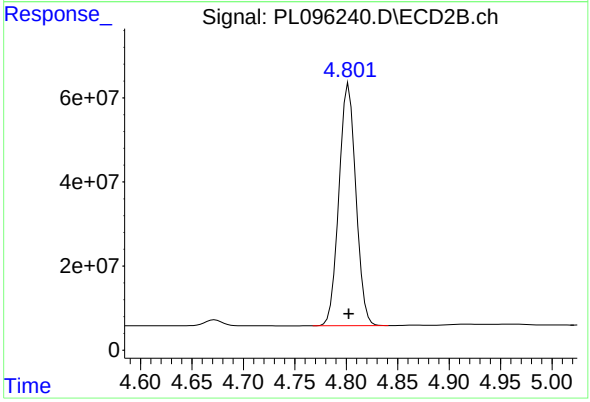
#7 delta-BHC

R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 801442796
Conc: 101.35 ng/ml



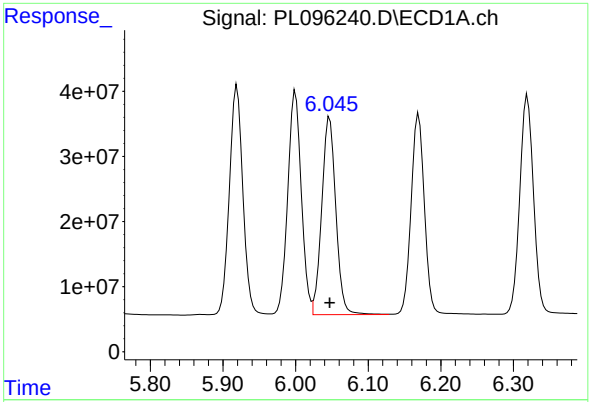
#8 Heptachlor epoxide

R.T.: 5.666 min
Delta R.T.: 0.000 min
Response: 436123549
Conc: 101.61 ng/ml



#8 Heptachlor epoxide

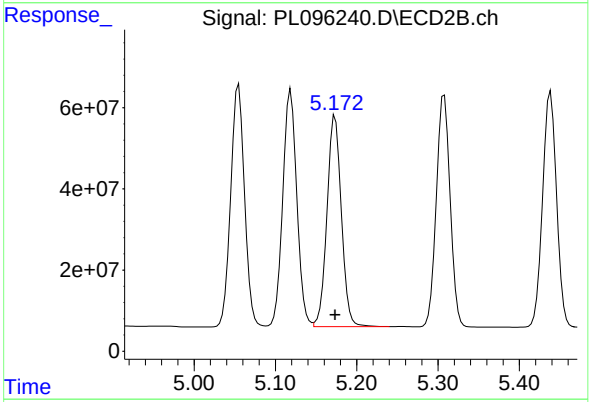
R.T.: 4.802 min
Delta R.T.: 0.000 min
Response: 658834978
Conc: 99.22 ng/ml



#9 Endosulfan I

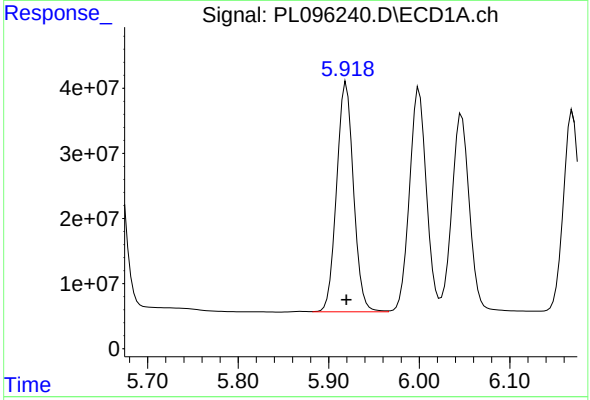
R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 410449369
Conc: 101.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



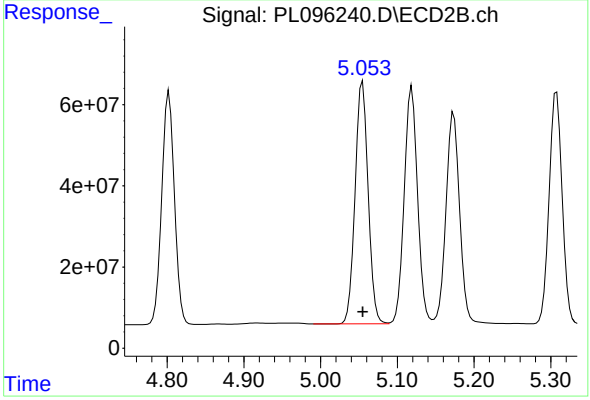
#9 Endosulfan I

R.T.: 5.174 min
Delta R.T.: 0.000 min
Response: 641606385
Conc: 98.82 ng/ml



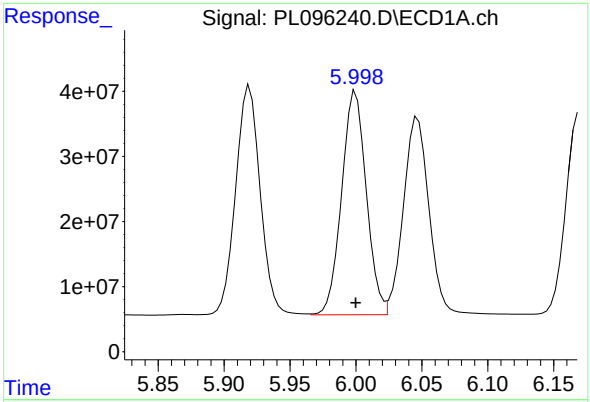
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 456960375
Conc: 101.78 ng/ml



#10 gamma-Chlordane

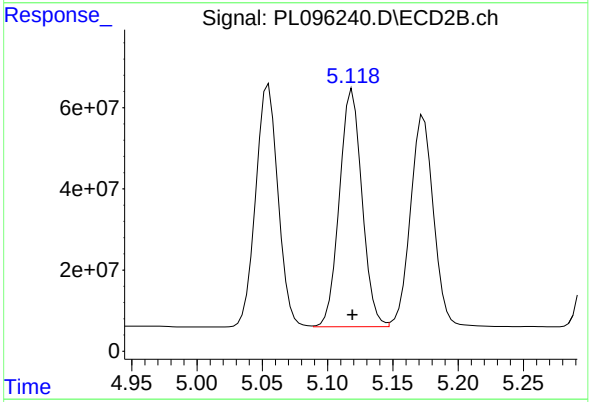
R.T.: 5.055 min
Delta R.T.: 0.000 min
Response: 709660522
Conc: 100.84 ng/ml



#11 alpha-Chlordane

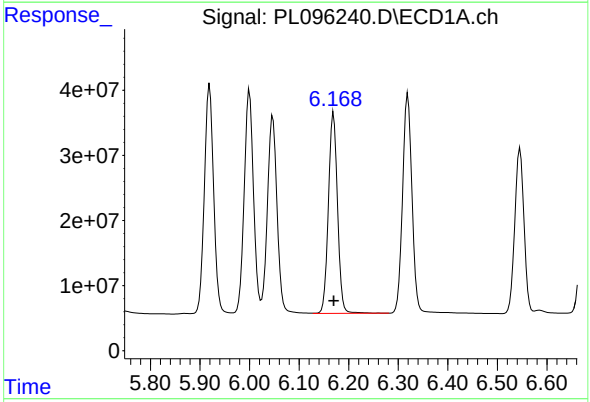
R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 446783941
Conc: 101.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



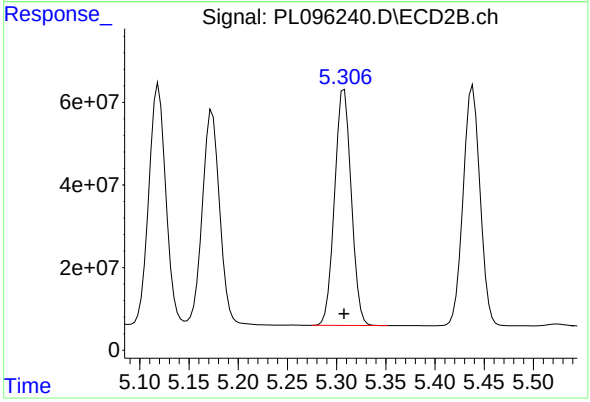
#11 alpha-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 704603748
Conc: 99.87 ng/ml



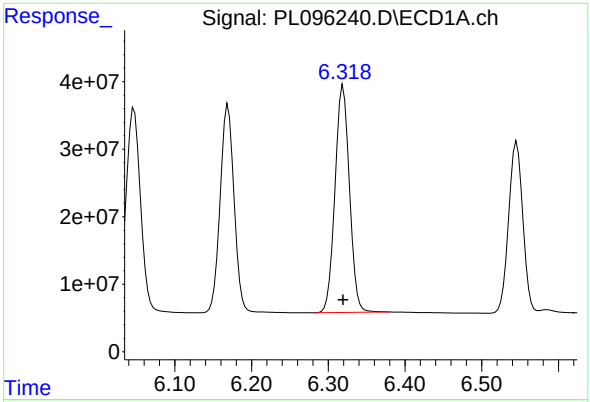
#12 4,4'-DDE

R.T.: 6.170 min
Delta R.T.: 0.000 min
Response: 392691754
Conc: 103.50 ng/ml



#12 4,4'-DDE

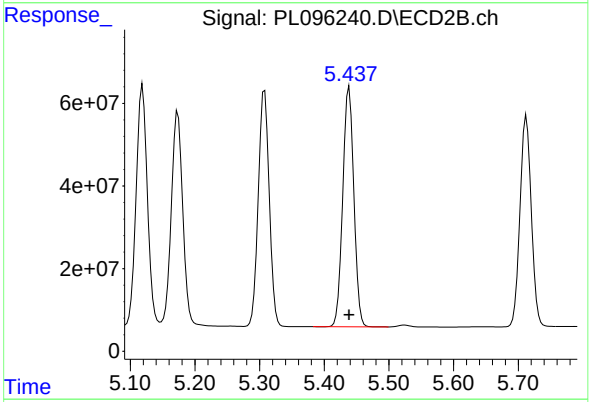
R.T.: 5.308 min
Delta R.T.: 0.000 min
Response: 673912776
Conc: 101.52 ng/ml



#13 Dieldrin

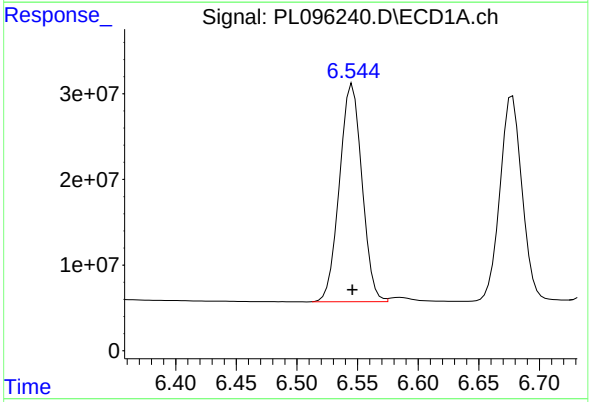
R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 441219717
Conc: 102.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



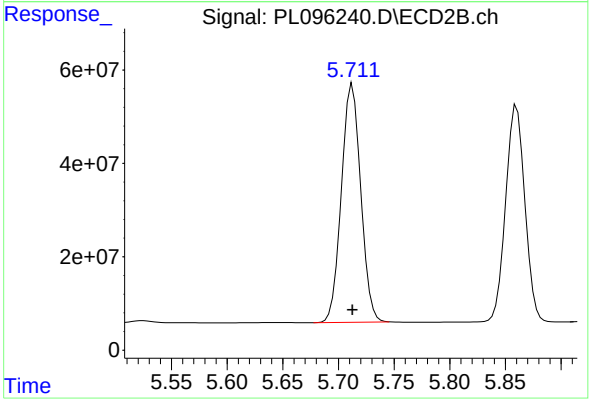
#13 Dieldrin

R.T.: 5.438 min
Delta R.T.: 0.000 min
Response: 694581916
Conc: 100.15 ng/ml



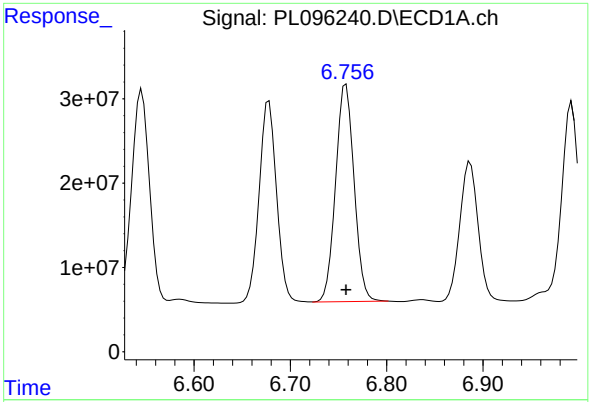
#14 Endrin

R.T.: 6.546 min
Delta R.T.: 0.000 min
Response: 327856737
Conc: 101.96 ng/ml



#14 Endrin

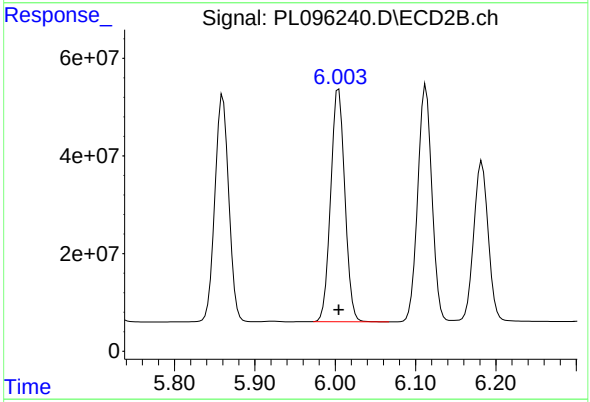
R.T.: 5.713 min
Delta R.T.: 0.000 min
Response: 617911586
Conc: 100.27 ng/ml



#15 Endosulfan II

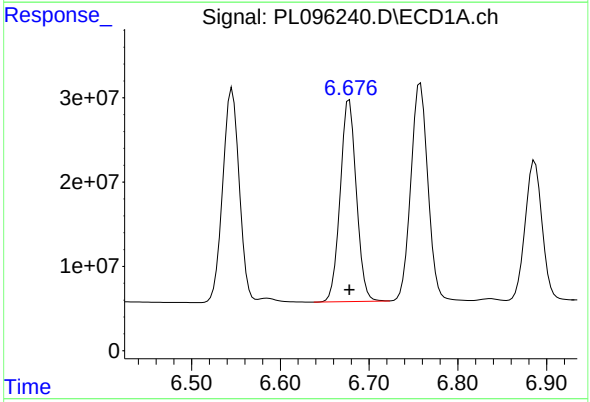
R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 343602098
Conc: 100.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



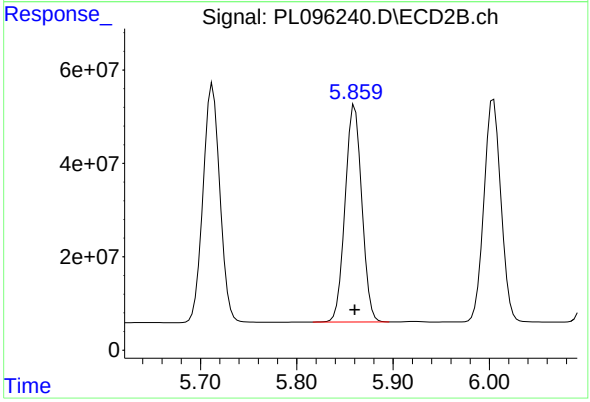
#15 Endosulfan II

R.T.: 6.004 min
Delta R.T.: 0.000 min
Response: 584758568
Conc: 100.30 ng/ml



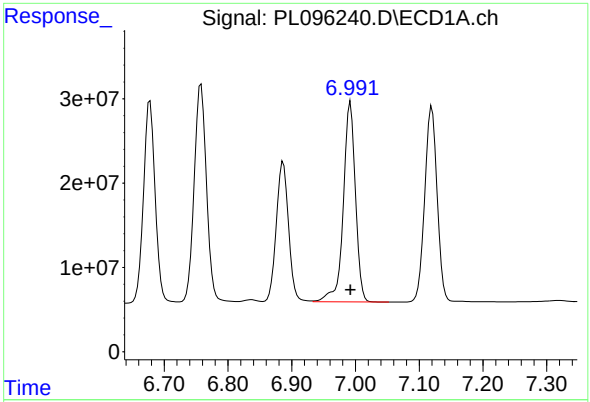
#16 4,4'-DDD

R.T.: 6.678 min
Delta R.T.: 0.000 min
Response: 302553480
Conc: 101.91 ng/ml



#16 4,4'-DDD

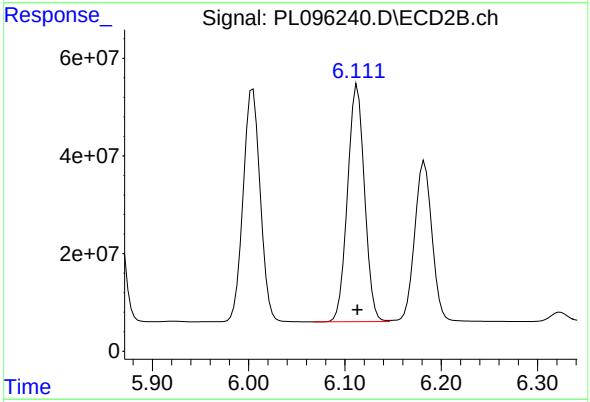
R.T.: 5.860 min
Delta R.T.: 0.000 min
Response: 557157332
Conc: 103.88 ng/ml



#17 4,4'-DDT

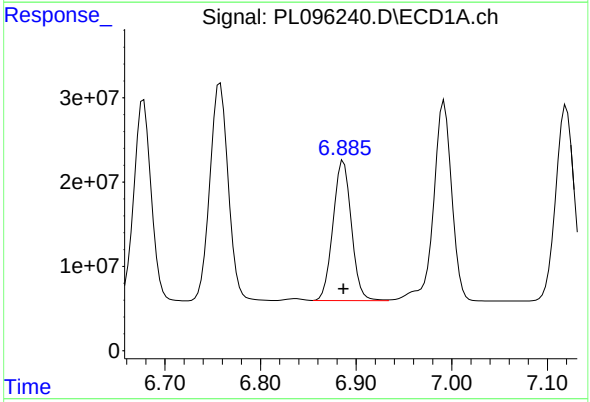
R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 313998795
Conc: 102.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



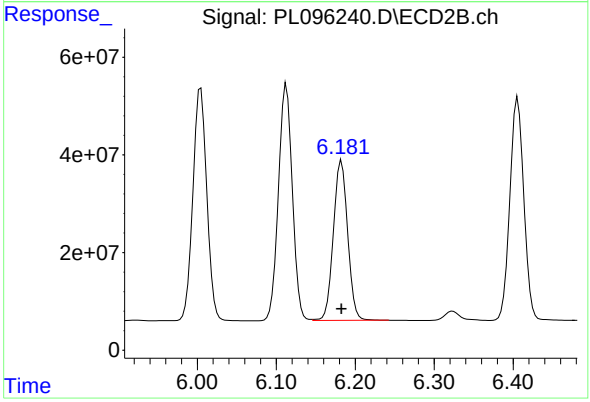
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 592514272
Conc: 101.14 ng/ml



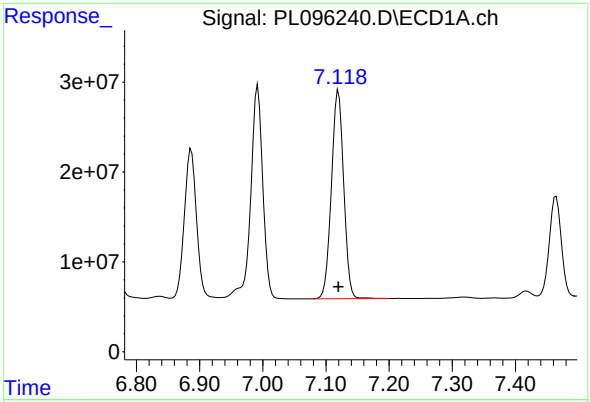
#18 Endrin aldehyde

R.T.: 6.887 min
Delta R.T.: 0.000 min
Response: 221570723
Conc: 100.09 ng/ml



#18 Endrin aldehyde

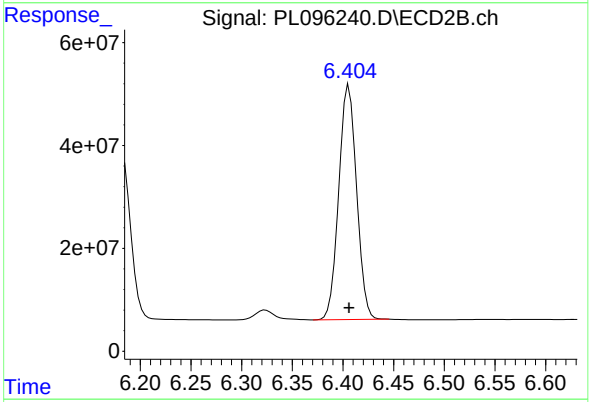
R.T.: 6.183 min
Delta R.T.: 0.000 min
Response: 412506550
Conc: 98.30 ng/ml



#19 Endosulfan Sulfate

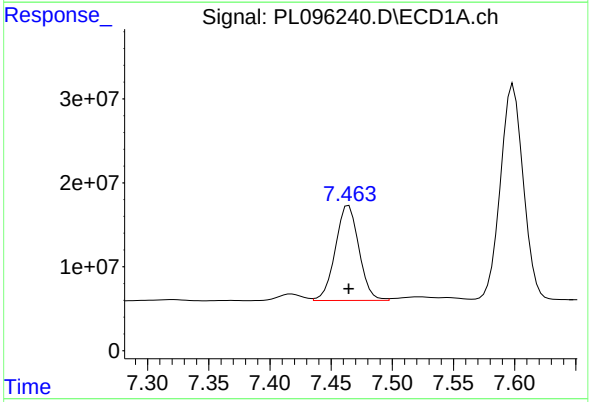
R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 313710860
Conc: 101.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



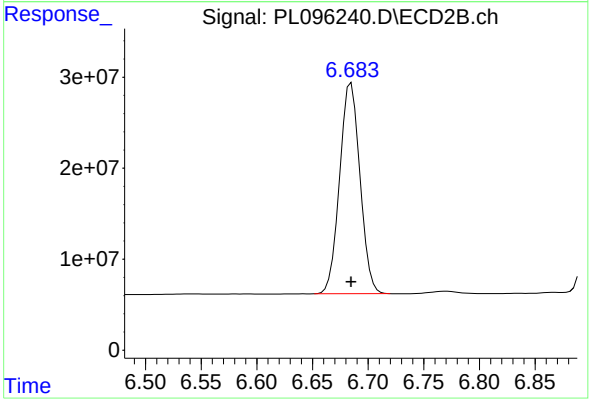
#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 556818702
Conc: 99.79 ng/ml



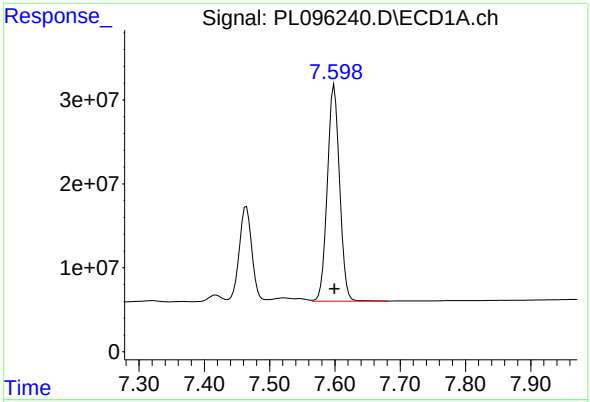
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 152013274
Conc: 99.50 ng/ml



#20 Methoxychlor

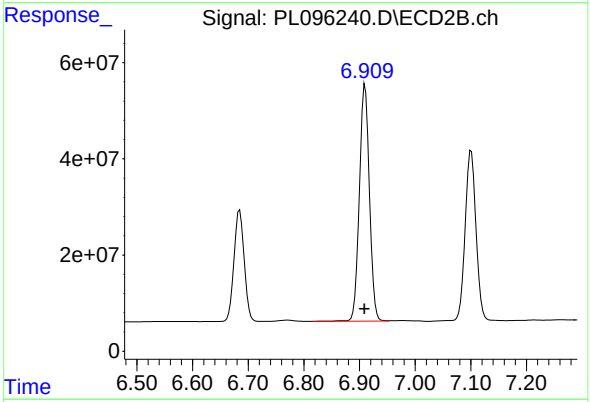
R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 294925098
Conc: 98.69 ng/ml



#21 Endrin ketone

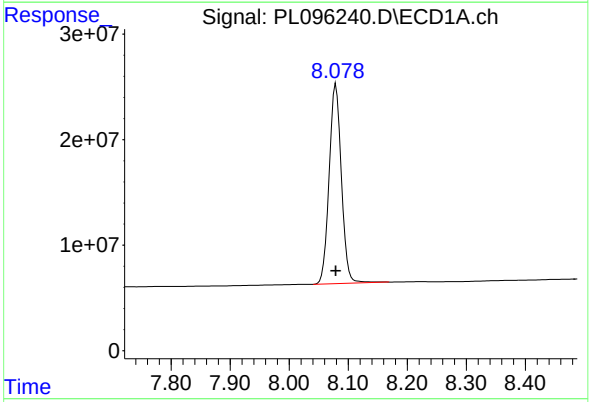
R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 337044938
Conc: 101.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



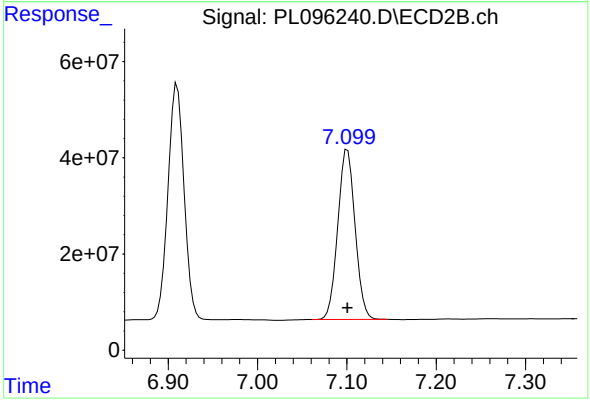
#21 Endrin ketone

R.T.: 6.910 min
Delta R.T.: 0.001 min
Response: 617636931
Conc: 99.49 ng/ml



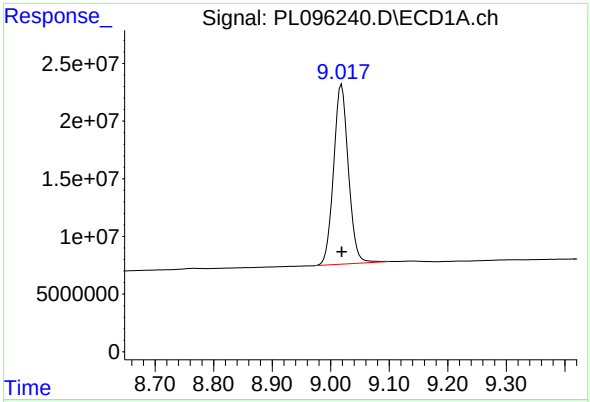
#22 Mirex

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 272266974
Conc: 99.76 ng/ml



#22 Mirex

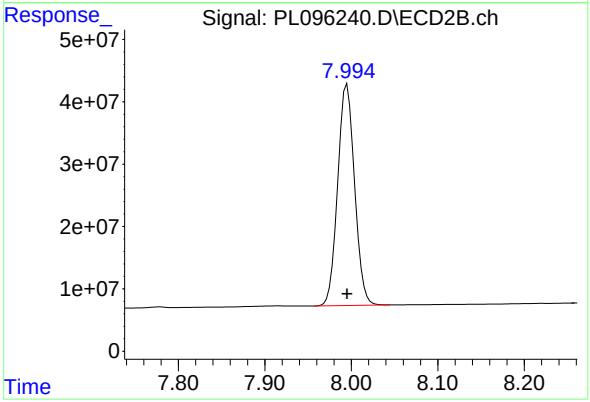
R.T.: 7.101 min
Delta R.T.: 0.000 min
Response: 474838332
Conc: 99.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.019 min
Delta R.T.: 0.000 min
Response: 273475929
Conc: 100.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 7.995 min
Delta R.T.: 0.000 min
Response: 478791037
Conc: 99.13 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096241.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:09
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:55:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.537	2.827	262.5E6	416.2E6	72.966	73.165
28)	SA Decachlor...	9.022	7.996	199.5E6	350.0E6	73.668	73.289
	Target Compounds						
2)	A alpha-BHC	3.984	3.334	396.3E6	631.4E6	73.968	73.274
3)	MA gamma-BHC...	4.313	3.666	370.3E6	583.2E6	72.995	73.277
4)	MA Heptachlor	4.906	4.016	336.1E6	555.0E6	73.993	73.260
5)	MB Aldrin	5.245	4.300	359.1E6	537.9E6	73.531	73.330
6)	B beta-BHC	4.499	3.963	161.0E6	242.0E6	78.891	72.768
7)	B delta-BHC	4.745	4.196	338.2E6	573.4E6	73.368	73.317
8)	B Heptachlo...	5.666	4.802	316.3E6	483.9E6	74.125	73.566
9)	A Endosulfan I	6.047	5.173	294.3E6	470.1E6	73.562	73.247
10)	B gamma-Chl...	5.919	5.054	323.5E6	518.3E6	73.015	74.093
11)	B alpha-Chl...	6.000	5.119	317.7E6	520.1E6	73.088	74.144
12)	B 4,4'-DDE	6.170	5.308	277.7E6	481.3E6	73.777	73.317
13)	MA Dieldrin	6.319	5.438	312.3E6	500.5E6	73.215	73.087
14)	MA Endrin	6.546	5.713	232.2E6	447.2E6	73.124	73.364
15)	B Endosulfa...	6.758	6.005	247.3E6	423.6E6	73.442	73.425
16)	A 4,4'-DDD	6.679	5.860	213.5E6	373.3E6	72.919	71.314
17)	MA 4,4'-DDT	6.993	6.113	226.6E6	425.7E6	74.085	73.421
18)	B Endrin al...	6.887	6.183	162.7E6	304.8E6	74.002	73.411
19)	B Endosulfa...	7.120	6.406	225.3E6	405.9E6	73.701	73.485
20)	A Methoxychlor	7.465	6.685	112.4E6	217.0E6	74.031	73.387
21)	B Endrin ke...	7.600	6.910	243.3E6	448.8E6	73.629	73.150
22)	Mirex	8.080	7.101	198.3E6	347.2E6	73.425	73.273

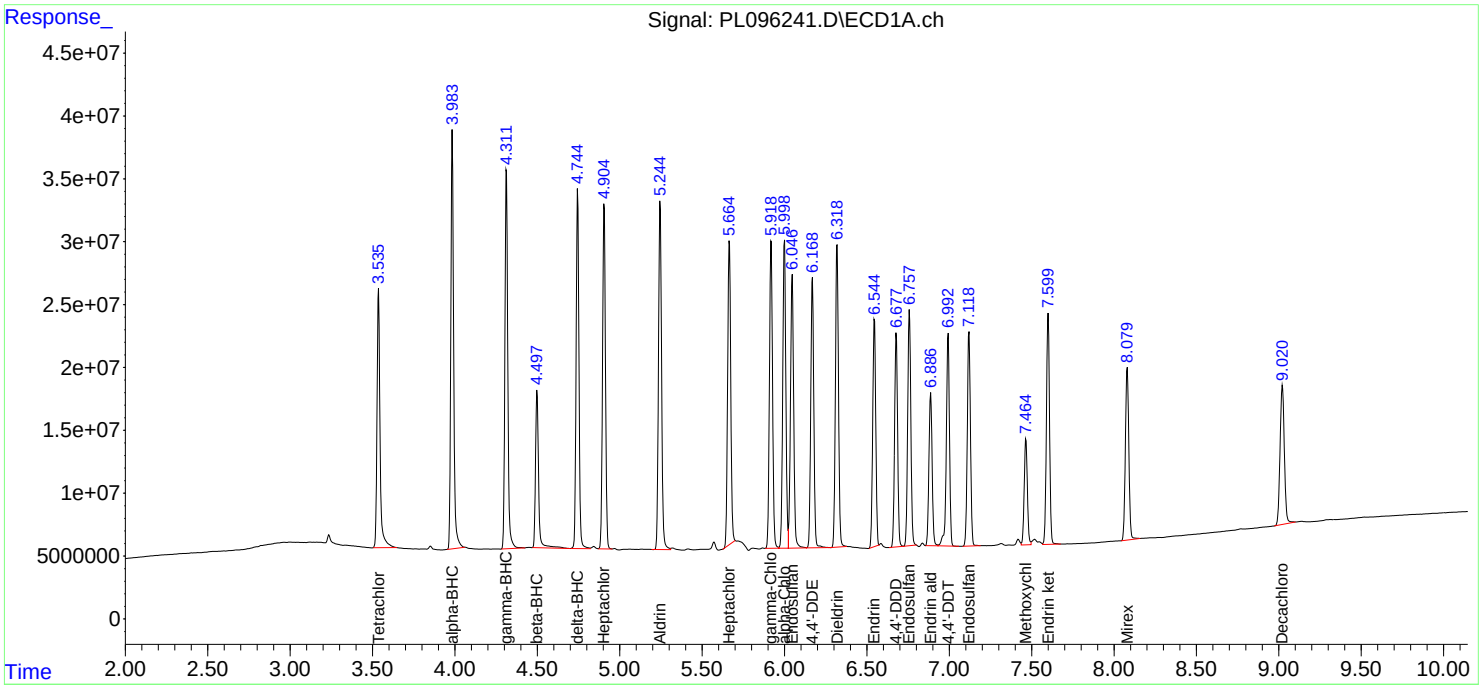
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

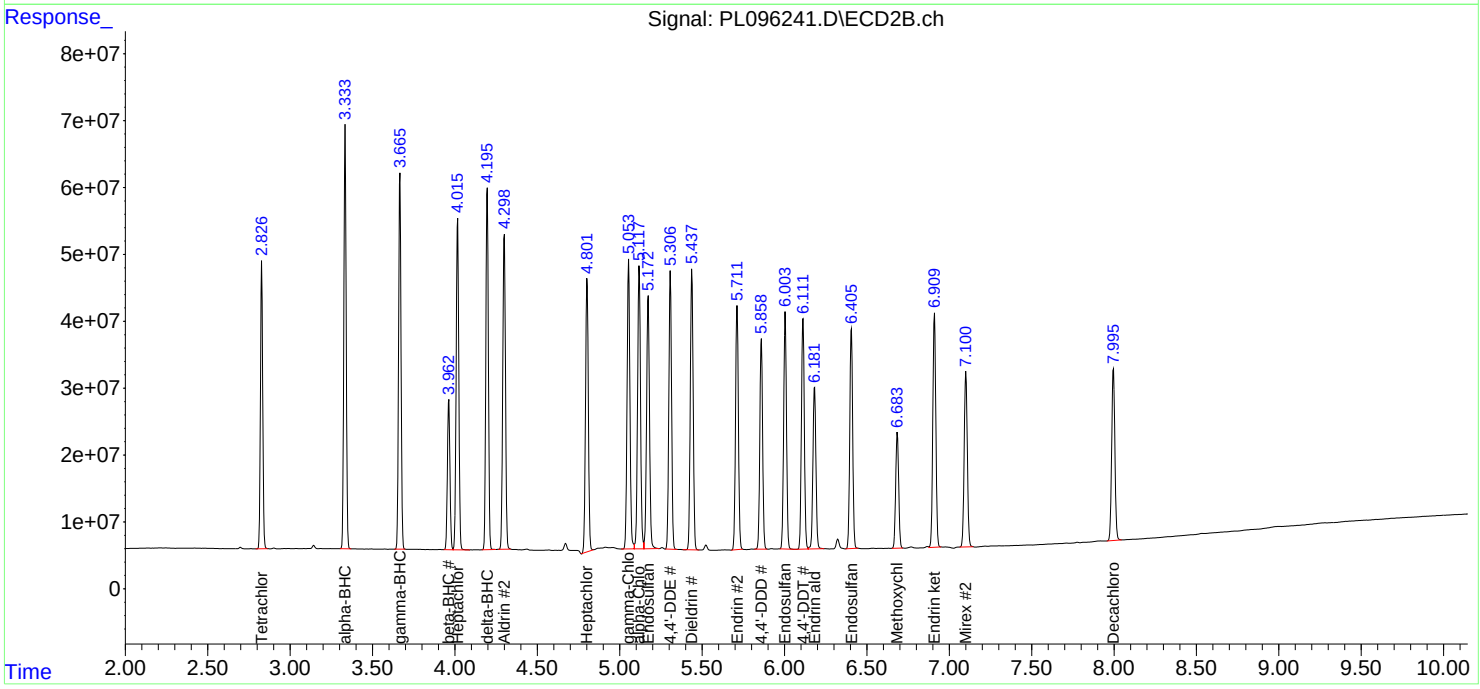
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096241.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:09
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

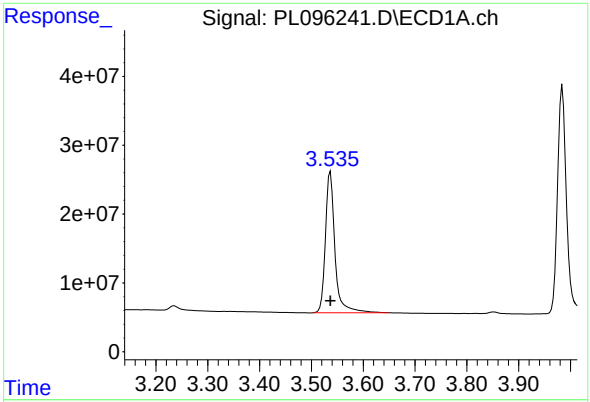
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:55:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



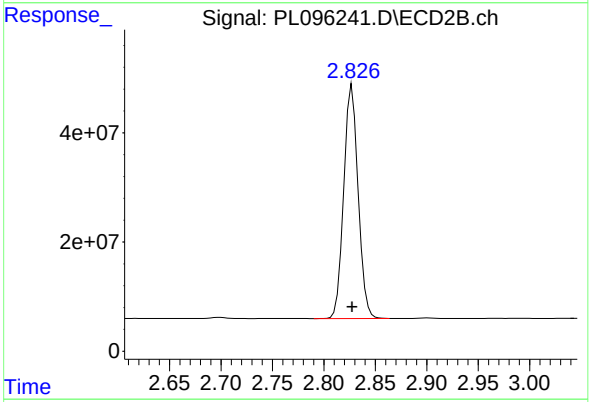




#1 Tetrachloro-m-xylene

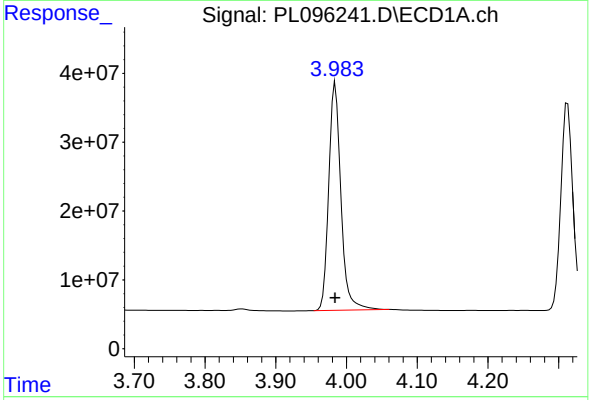
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 262543056
Conc: 72.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



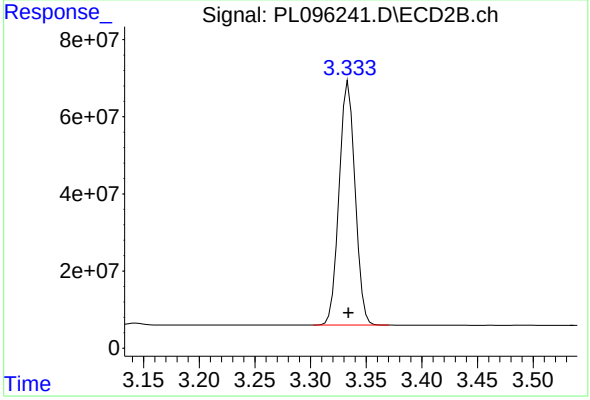
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: 0.000 min
Response: 416235607
Conc: 73.16 ng/ml



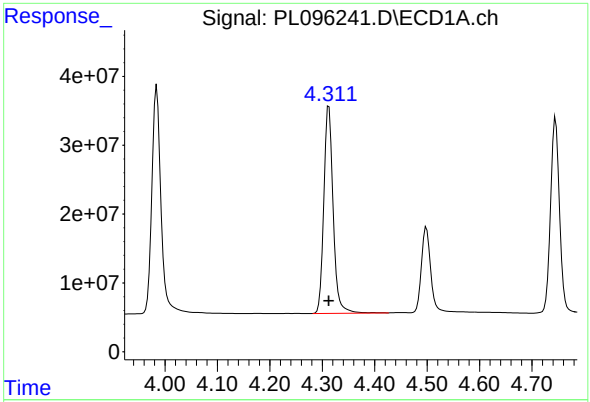
#2 alpha-BHC

R.T.: 3.984 min
Delta R.T.: 0.000 min
Response: 396335614
Conc: 73.97 ng/ml



#2 alpha-BHC

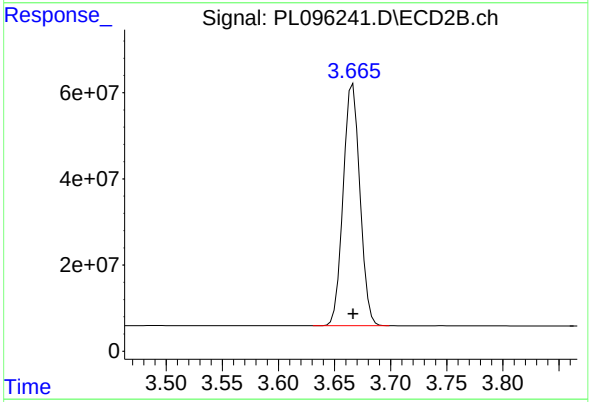
R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 631414881
Conc: 73.27 ng/ml



#3 gamma-BHC (Lindane)

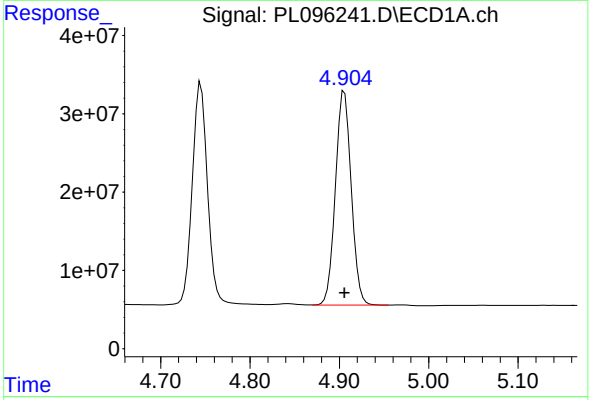
R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 370288063
Conc: 73.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



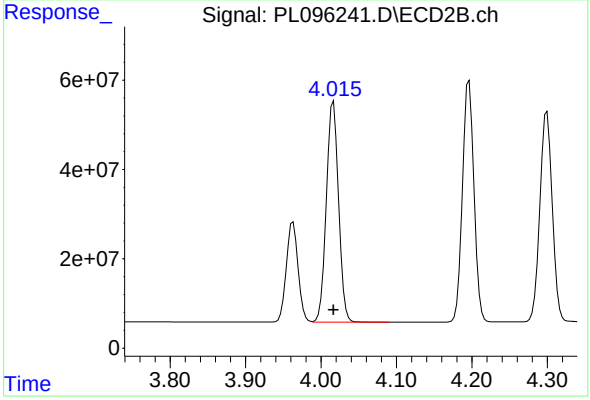
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 583238890
Conc: 73.28 ng/ml



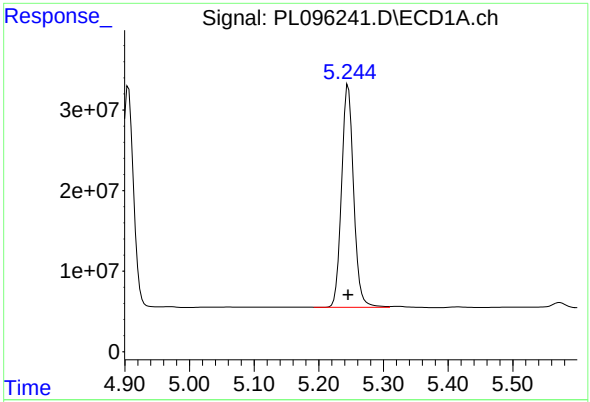
#4 Heptachlor

R.T.: 4.906 min
Delta R.T.: 0.000 min
Response: 336053186
Conc: 73.99 ng/ml



#4 Heptachlor

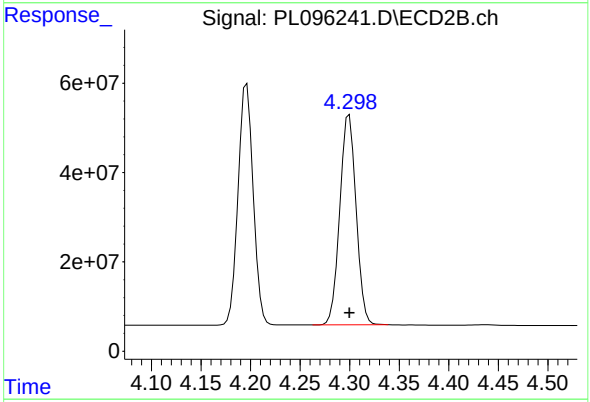
R.T.: 4.016 min
Delta R.T.: 0.000 min
Response: 555021848
Conc: 73.26 ng/ml



#5 Aldrin

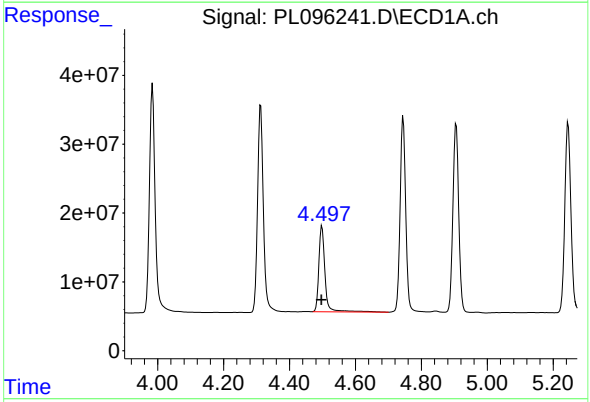
R.T.: 5.245 min
Delta R.T.: 0.000 min
Response: 359102683
Conc: 73.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



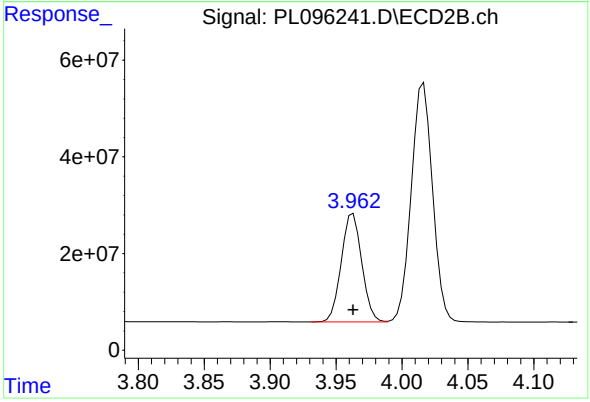
#5 Aldrin

R.T.: 4.300 min
Delta R.T.: 0.000 min
Response: 537939626
Conc: 73.33 ng/ml



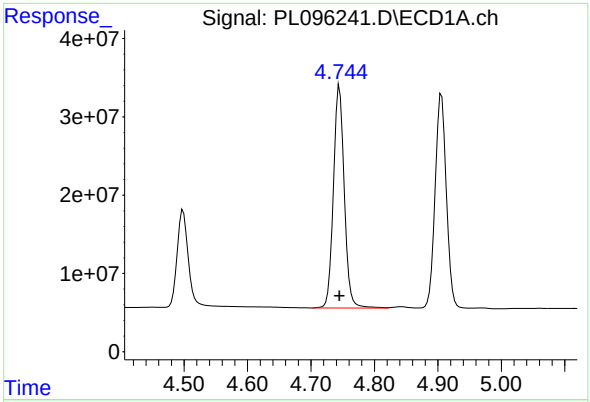
#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.001 min
Response: 161026970
Conc: 78.89 ng/ml



#6 beta-BHC

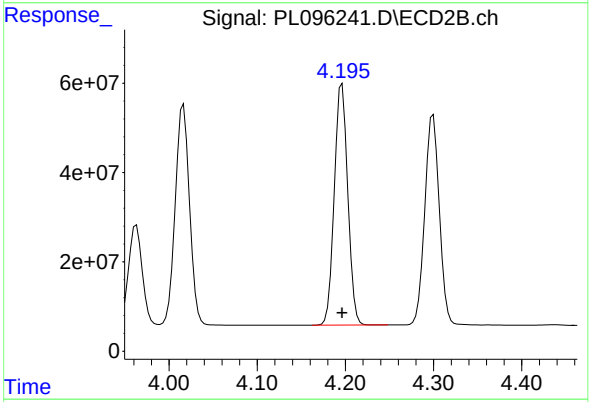
R.T.: 3.963 min
Delta R.T.: 0.000 min
Response: 241953093
Conc: 72.77 ng/ml



#7 delta-BHC

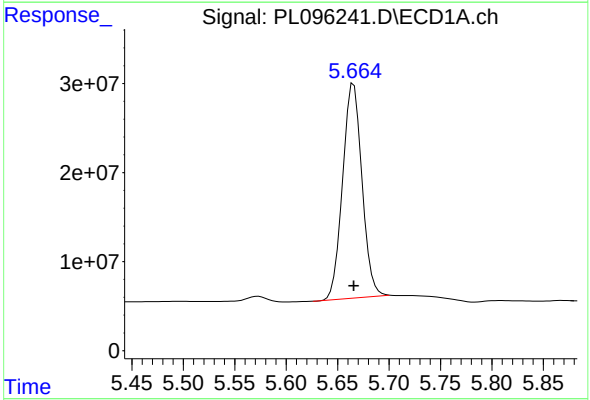
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 338239285
Conc: 73.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



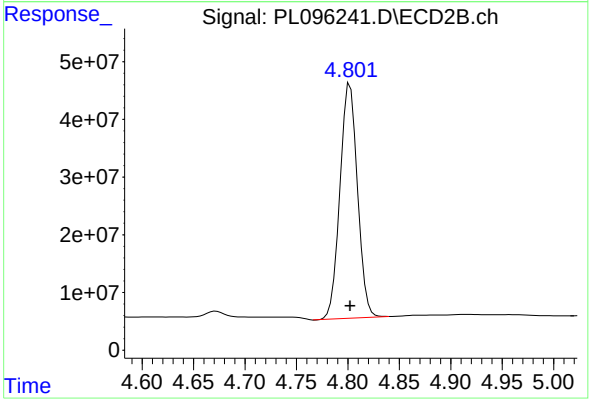
#7 delta-BHC

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 573353492
Conc: 73.32 ng/ml



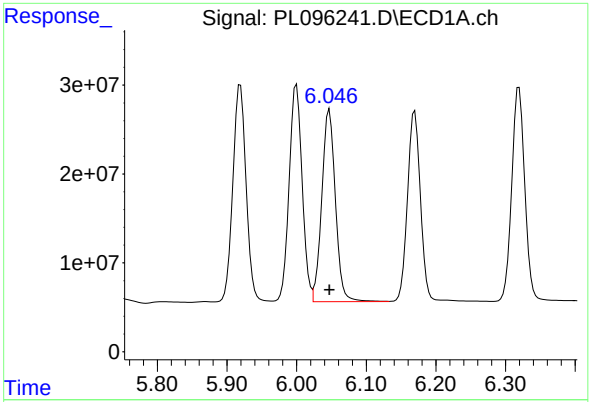
#8 Heptachlor epoxide

R.T.: 5.666 min
Delta R.T.: 0.000 min
Response: 316321392
Conc: 74.13 ng/ml



#8 Heptachlor epoxide

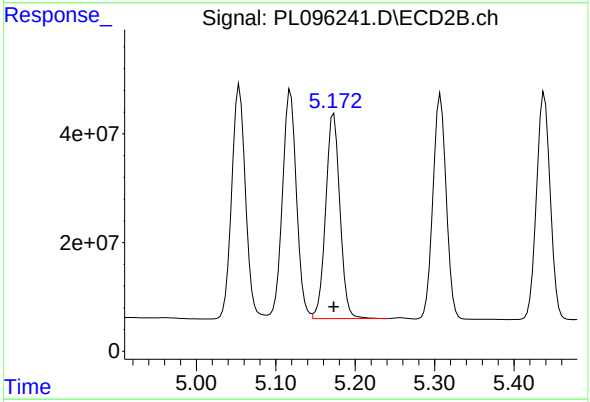
R.T.: 4.802 min
Delta R.T.: 0.000 min
Response: 483858685
Conc: 73.57 ng/ml



#9 Endosulfan I

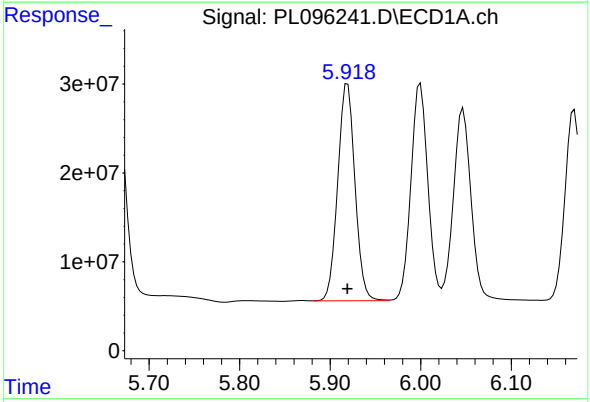
R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 294274733
Conc: 73.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



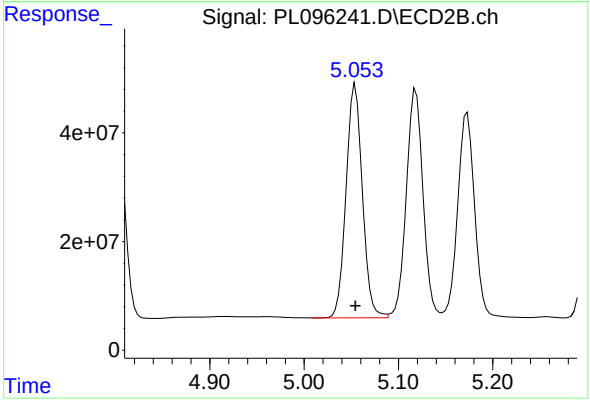
#9 Endosulfan I

R.T.: 5.173 min
Delta R.T.: 0.000 min
Response: 470088253
Conc: 73.25 ng/ml



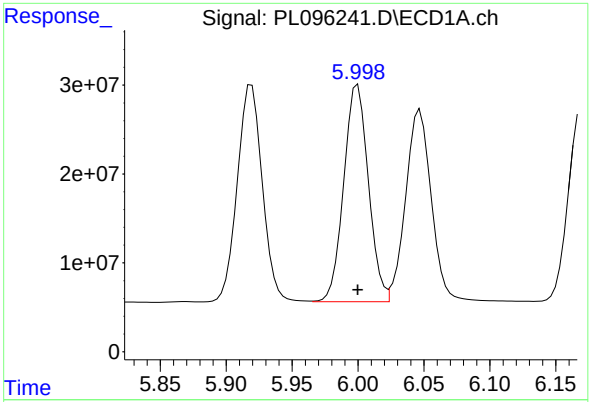
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 323535827
Conc: 73.02 ng/ml



#10 gamma-Chlordane

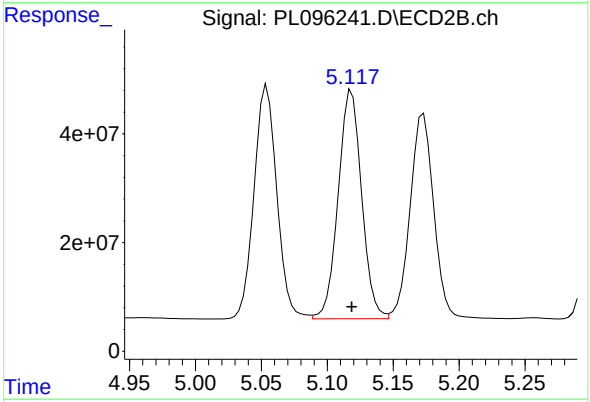
R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 518309627
Conc: 74.09 ng/ml



#11 alpha-Chlordane

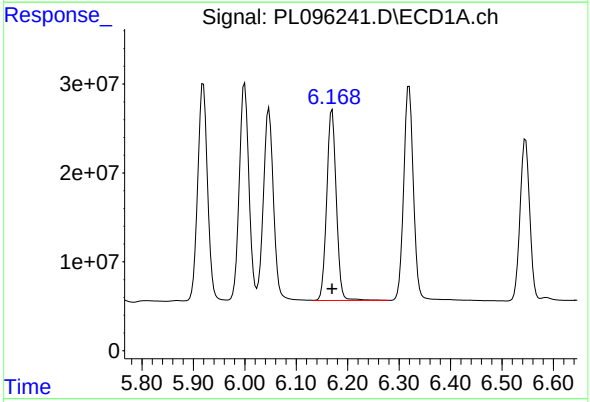
R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 317688612
Conc: 73.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



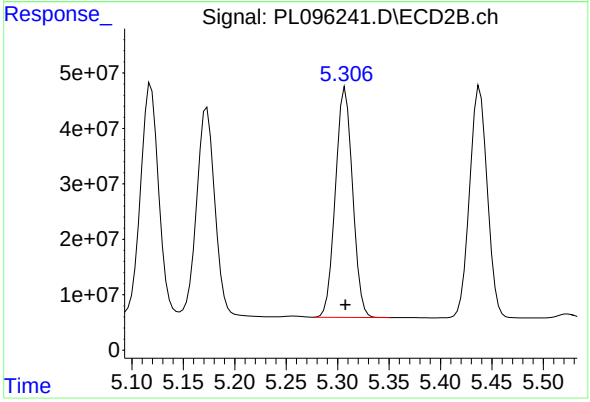
#11 alpha-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 520145705
Conc: 74.14 ng/ml



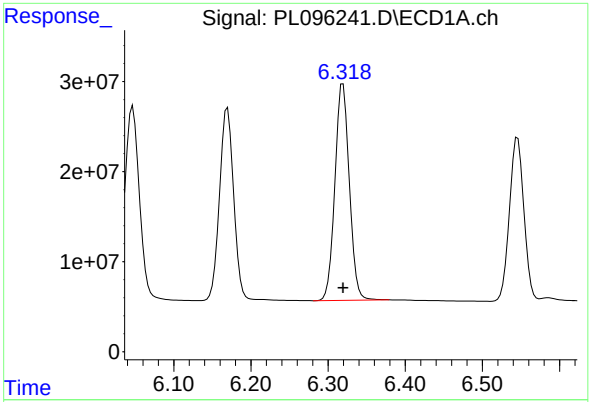
#12 4,4'-DDE

R.T.: 6.170 min
Delta R.T.: 0.000 min
Response: 277665348
Conc: 73.78 ng/ml



#12 4,4'-DDE

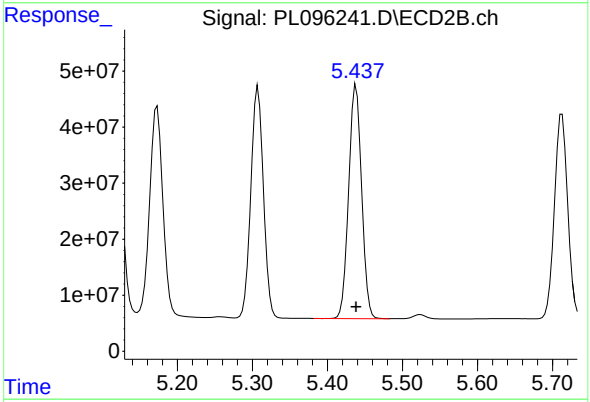
R.T.: 5.308 min
Delta R.T.: 0.000 min
Response: 481278531
Conc: 73.32 ng/ml



#13 Dieldrin

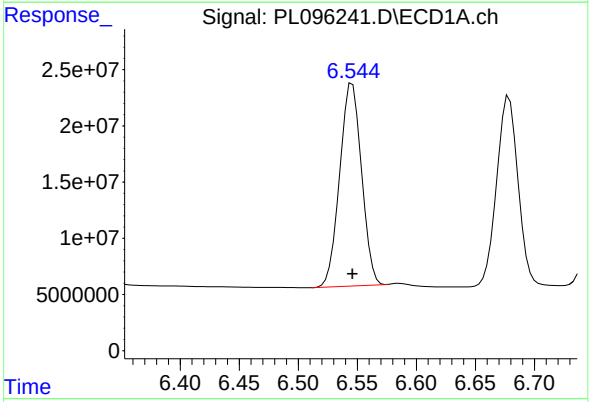
R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 312301591
Conc: 73.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



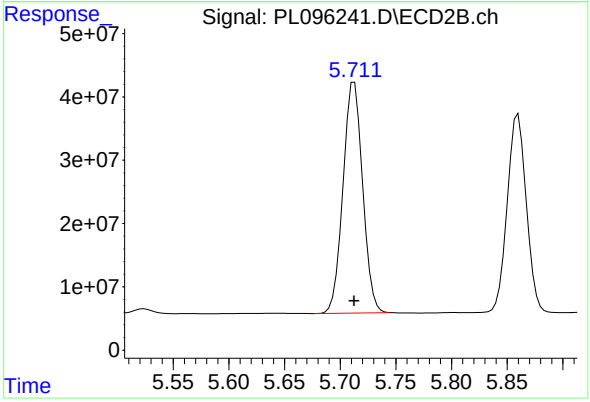
#13 Dieldrin

R.T.: 5.438 min
Delta R.T.: 0.000 min
Response: 500504569
Conc: 73.09 ng/ml



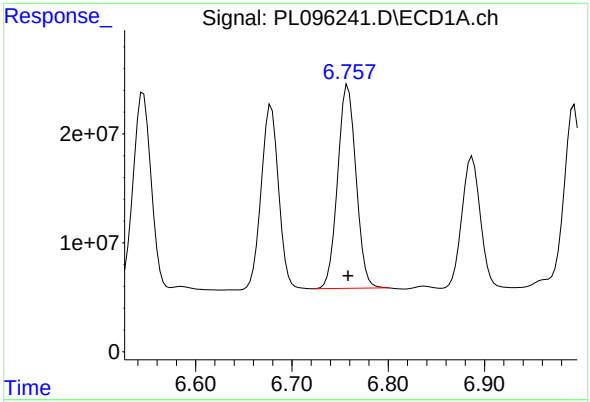
#14 Endrin

R.T.: 6.546 min
Delta R.T.: 0.000 min
Response: 232219601
Conc: 73.12 ng/ml



#14 Endrin

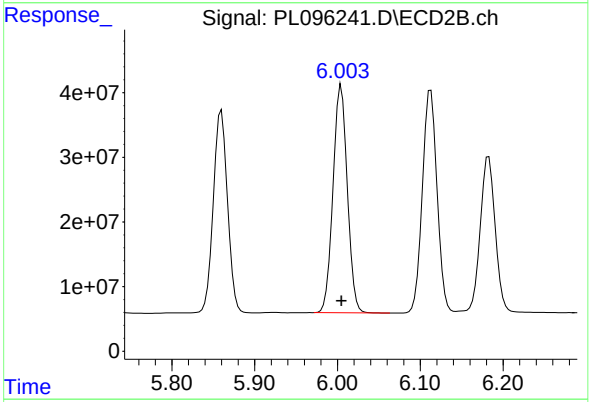
R.T.: 5.713 min
Delta R.T.: 0.000 min
Response: 447229804
Conc: 73.36 ng/ml



#15 Endosulfan II

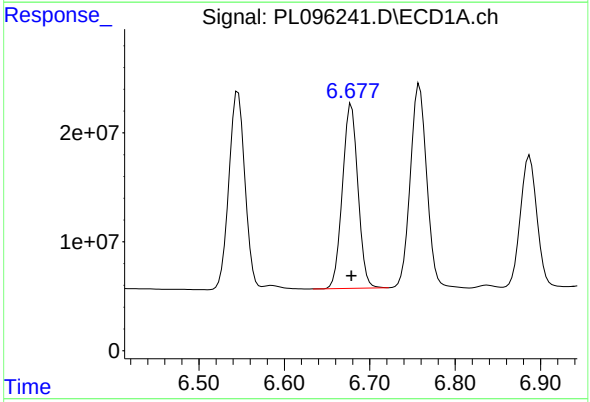
R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 247308429
Conc: 73.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



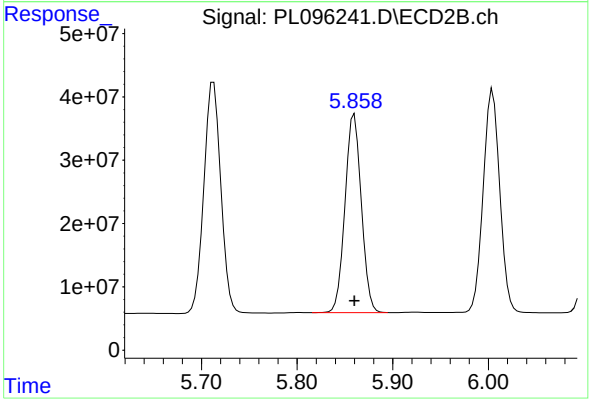
#15 Endosulfan II

R.T.: 6.005 min
Delta R.T.: 0.000 min
Response: 423621224
Conc: 73.43 ng/ml



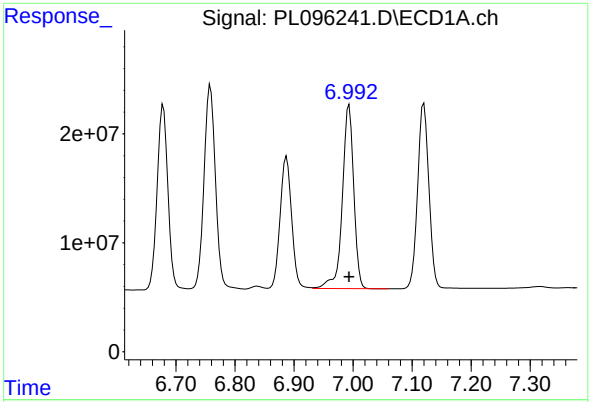
#16 4,4'-DDD

R.T.: 6.679 min
Delta R.T.: 0.000 min
Response: 213518178
Conc: 72.92 ng/ml



#16 4,4'-DDD

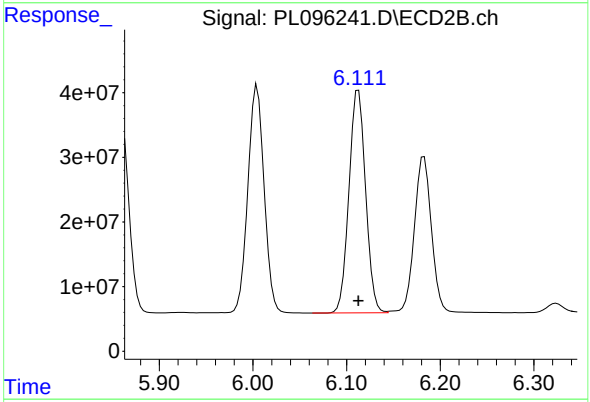
R.T.: 5.860 min
Delta R.T.: 0.000 min
Response: 373318019
Conc: 71.31 ng/ml



#17 4,4'-DDT

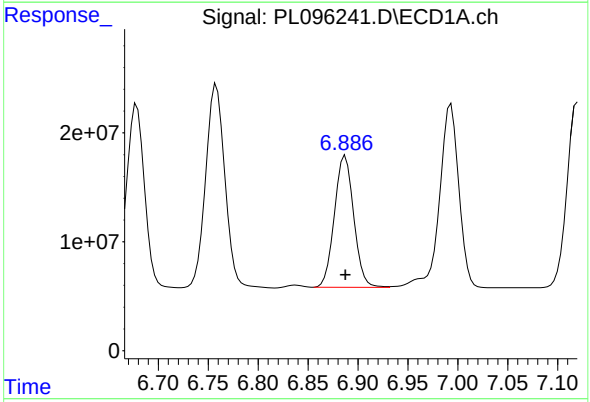
R.T.: 6.993 min
Delta R.T.: 0.000 min
Response: 226572574
Conc: 74.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



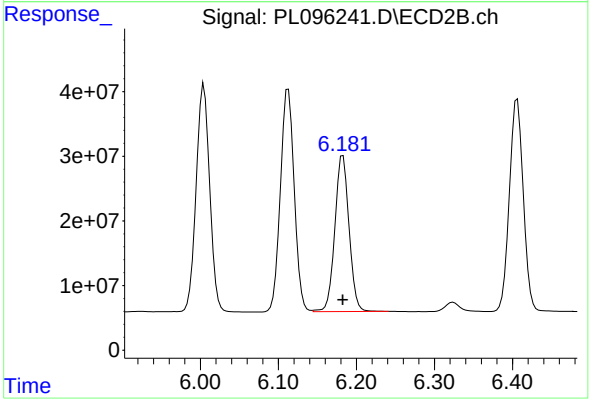
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 425653619
Conc: 73.42 ng/ml



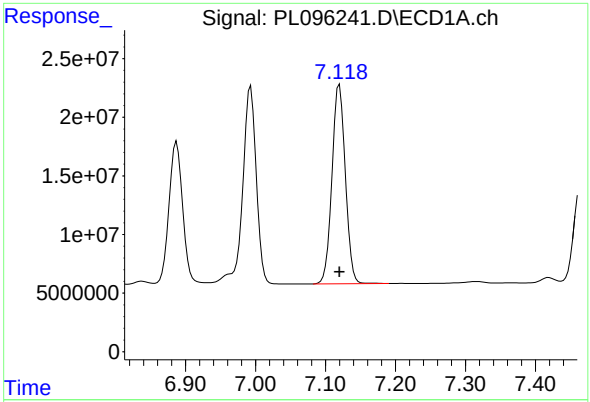
#18 Endrin aldehyde

R.T.: 6.887 min
Delta R.T.: 0.000 min
Response: 162737910
Conc: 74.00 ng/ml



#18 Endrin aldehyde

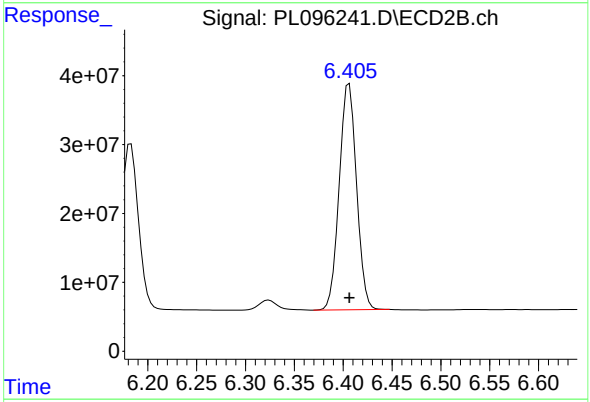
R.T.: 6.183 min
Delta R.T.: 0.000 min
Response: 304826260
Conc: 73.41 ng/ml



#19 Endosulfan Sulfate

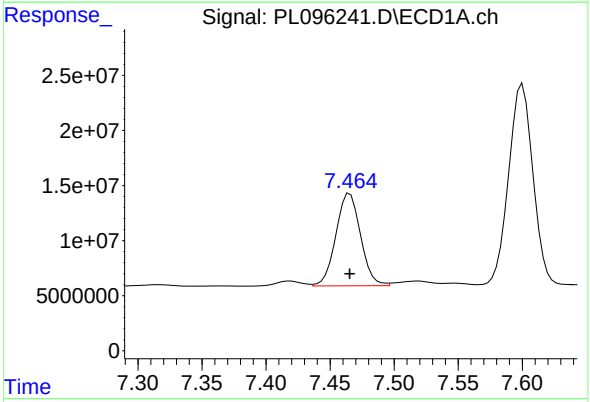
R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 225348743
Conc: 73.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



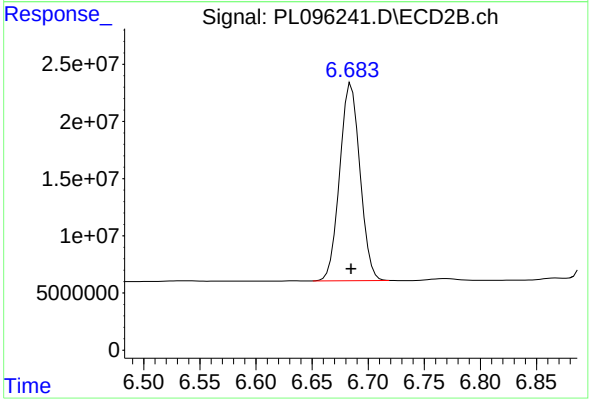
#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 405945824
Conc: 73.48 ng/ml



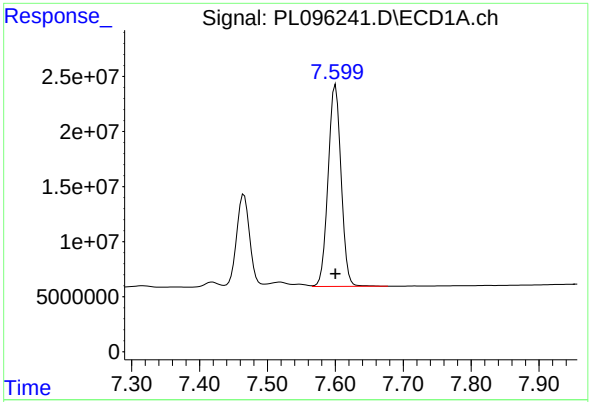
#20 Methoxychlor

R.T.: 7.465 min
Delta R.T.: 0.000 min
Response: 112371935
Conc: 74.03 ng/ml



#20 Methoxychlor

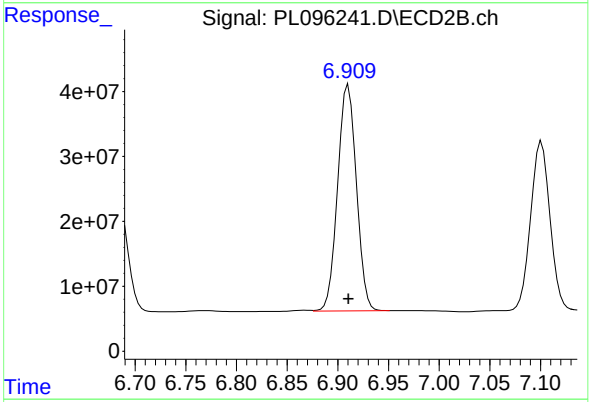
R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 216984559
Conc: 73.39 ng/ml



#21 Endrin ketone

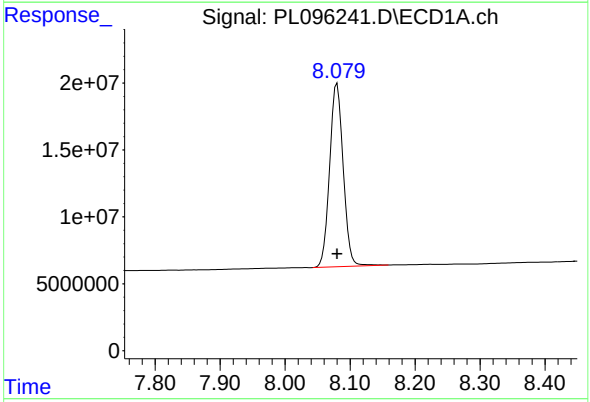
R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 243303097
Conc: 73.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



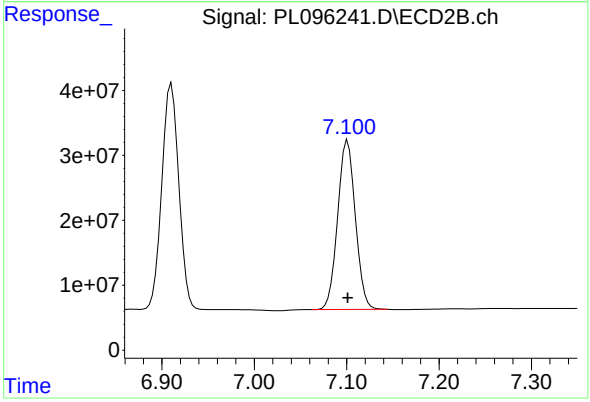
#21 Endrin ketone

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 448848951
Conc: 73.15 ng/ml



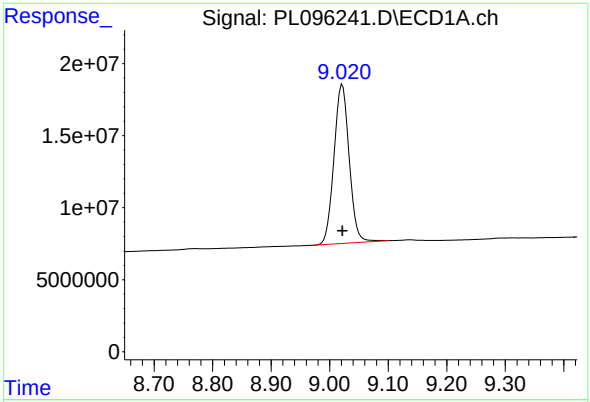
#22 Mirex

R.T.: 8.080 min
Delta R.T.: 0.000 min
Response: 198304993
Conc: 73.42 ng/ml



#22 Mirex

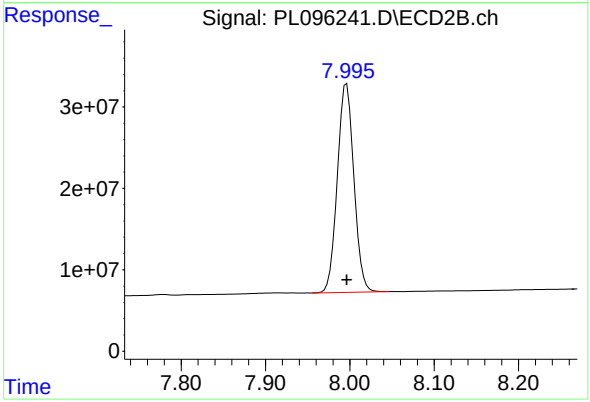
R.T.: 7.101 min
Delta R.T.: 0.000 min
Response: 347235656
Conc: 73.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.022 min
Delta R.T.: 0.000 min
Response: 199505555
Conc: 73.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 349995776
Conc: 73.29 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096243.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:36
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:57:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.537	2.828	91131135	145.0E6	25.245	25.362
28)	SA Decachlor...	9.020	7.996	71001314	127.1E6	25.902	26.196
	Target Compounds						
2)	A alpha-BHC	3.985	3.335	124.9E6	209.0E6	23.704	24.437
3)	MA gamma-BHC...	4.313	3.667	121.8E6	196.4E6	24.252	24.753
4)	MA Heptachlor	4.905	4.017	112.0E6	191.7E6	24.741	25.225
5)	MB Aldrin	5.245	4.300	118.7E6	181.9E6	24.473	24.847
6)	B beta-BHC	4.499	3.964	51593189	86999189	25.201	25.864
7)	B delta-BHC	4.745	4.197	108.7E6	191.5E6	23.913	24.613
8)	B Heptachlo...	5.665	4.802	104.3E6	168.1E6	24.584	25.416
9)	A Endosulfan I	6.046	5.173	99024442	177.3E6	24.815	26.919
10)	B gamma-Chl...	5.919	5.054	109.4E6	174.8E6	24.768	24.989
11)	B alpha-Chl...	5.999	5.119	108.7E6	184.0E6	24.999	25.915
12)	B 4,4'-DDE	6.169	5.307	89563798	160.3E6	24.087	24.561
13)	MA Dieldrin	6.319	5.438	103.8E6	170.6E6	24.502	24.937
14)	MA Endrin	6.545	5.712	75881870	152.6E6	24.162	25.028
15)	B Endosulfa...	6.757	6.004	85668436	142.4E6	25.329	24.534
16)	A 4,4'-DDD	6.677	5.859	71650668	132.2E6	24.600	25.187
17)	MA 4,4'-DDT	6.992	6.113	74288680	143.0E6	24.465	24.753
18)	B Endrin al...	6.886	6.182	55834732	113.1E6	25.291	26.639
19)	B Endosulfa...	7.119	6.406	75807591	141.9E6	24.844	25.508
20)	A Methoxychlor	7.464	6.684	39522332	77835403	25.770	25.981
21)	B Endrin ke...	7.599	6.909	82764438	158.8E6	25.035	25.653
22)	Mirex	8.079	7.101	70613541	126.1E6	25.849	26.192

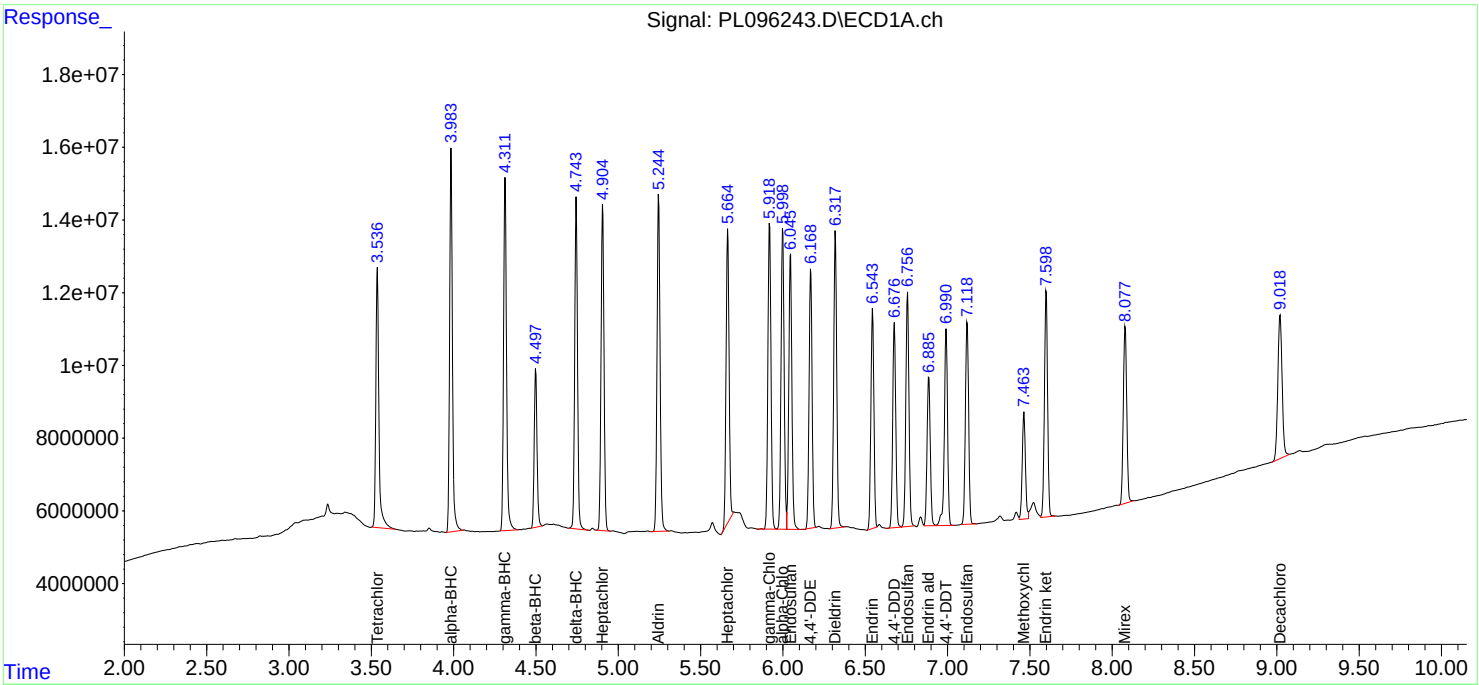
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

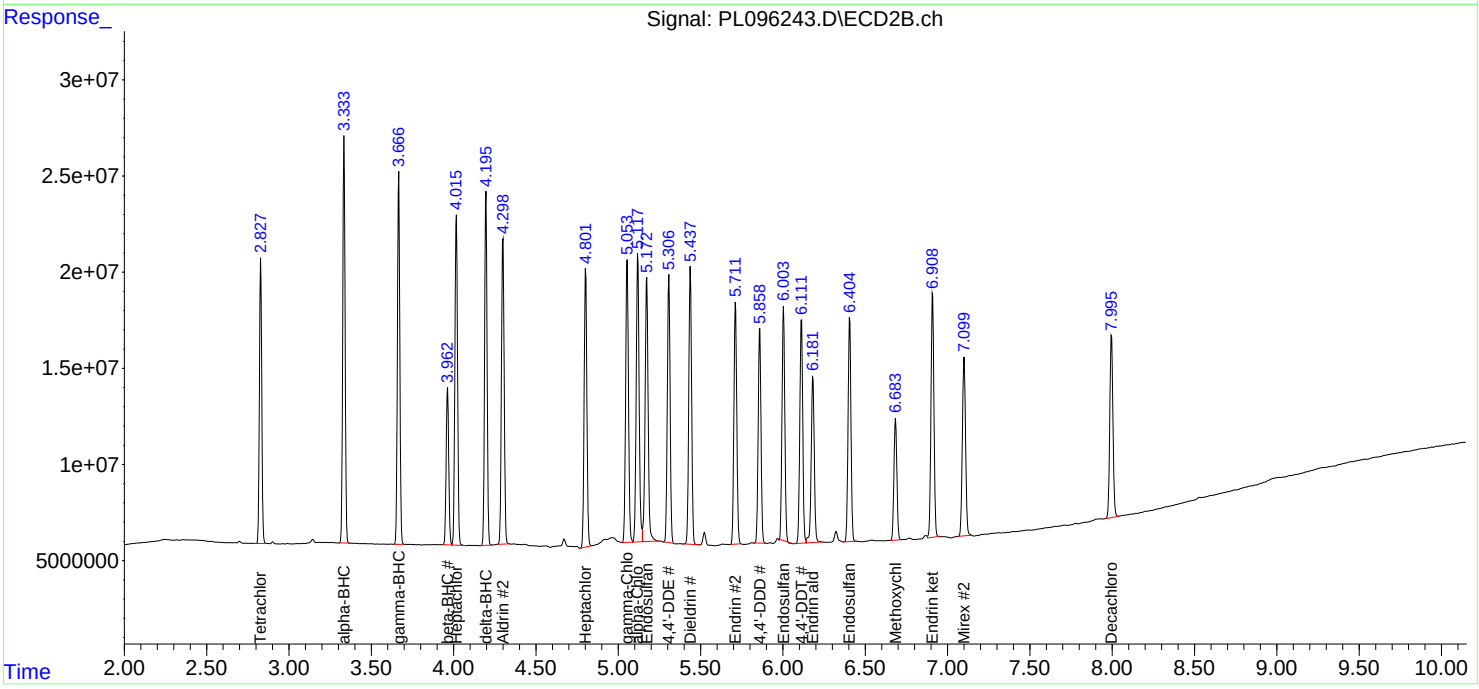
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096243.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:36
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

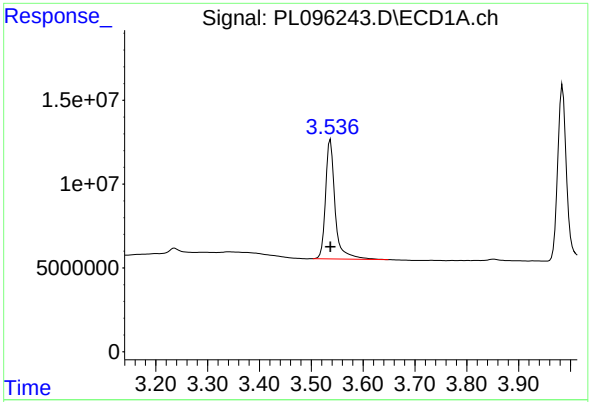
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 13:57:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



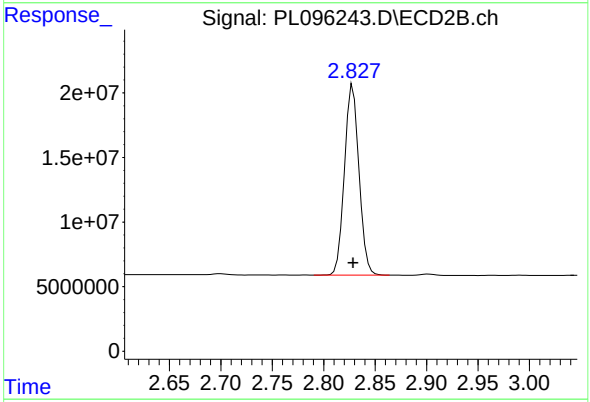




#1 Tetrachloro-m-xylene

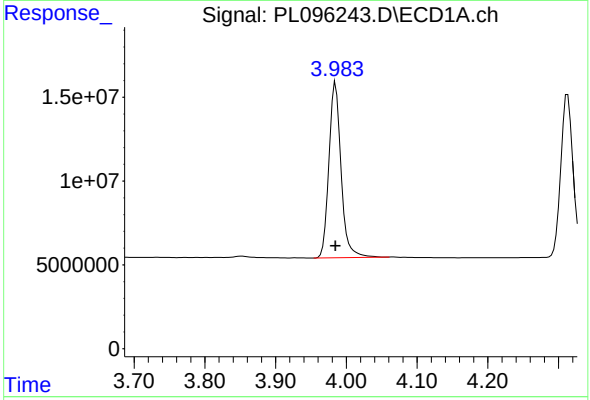
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 91131135
Conc: 25.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



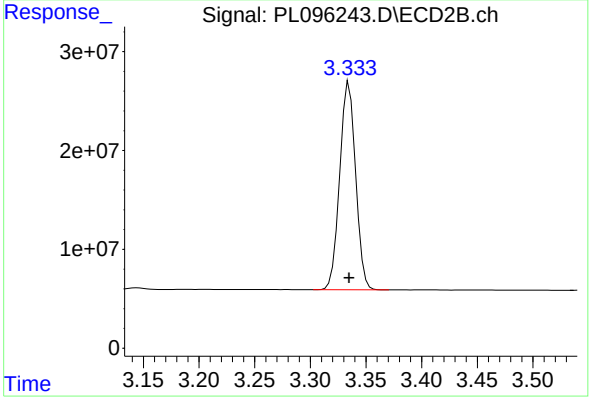
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 144981590
Conc: 25.36 ng/ml



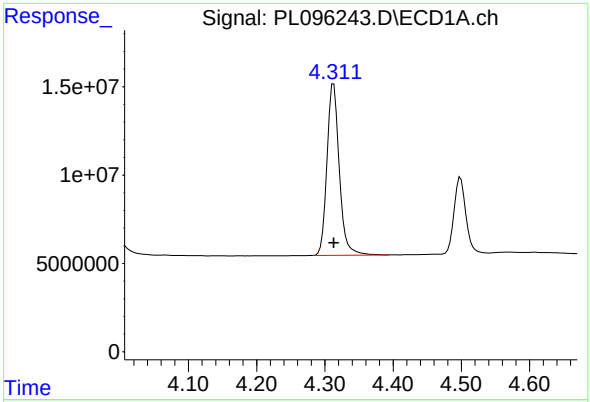
#2 alpha-BHC

R.T.: 3.985 min
Delta R.T.: 0.000 min
Response: 124855148
Conc: 23.70 ng/ml



#2 alpha-BHC

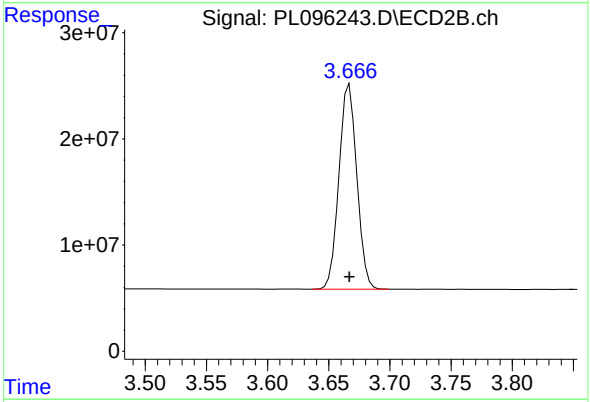
R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 209014460
Conc: 24.44 ng/ml



#3 gamma-BHC (Lindane)

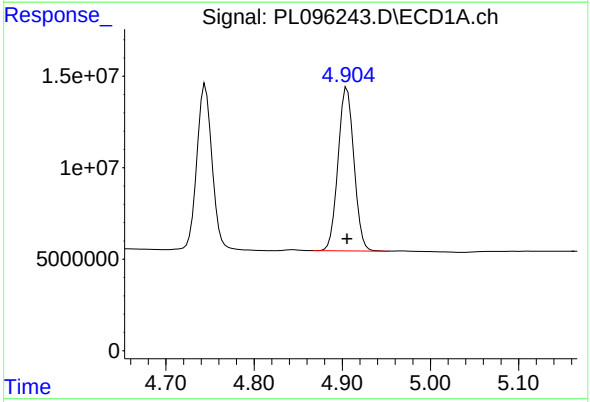
R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 121811219
Conc: 24.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



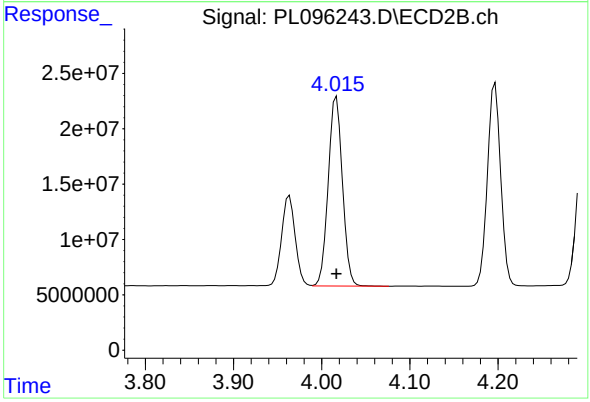
#3 gamma-BHC (Lindane)

R.T.: 3.667 min
Delta R.T.: 0.000 min
Response: 196372971
Conc: 24.75 ng/ml



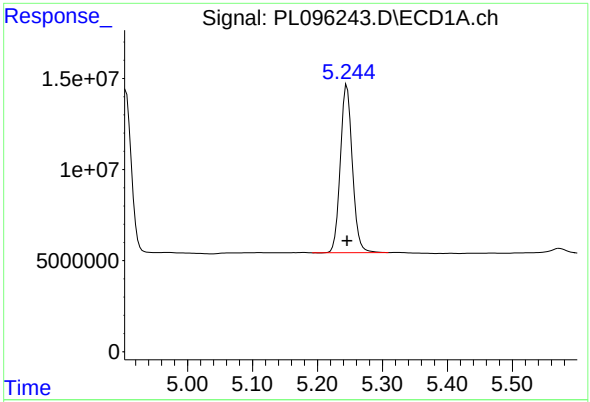
#4 Heptachlor

R.T.: 4.905 min
Delta R.T.: 0.000 min
Response: 111978235
Conc: 24.74 ng/ml



#4 Heptachlor

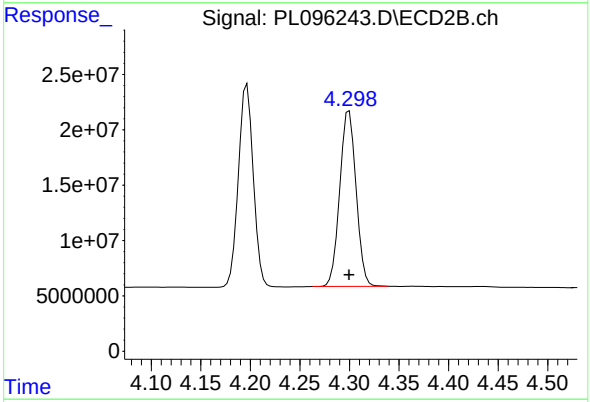
R.T.: 4.017 min
Delta R.T.: 0.000 min
Response: 191680190
Conc: 25.22 ng/ml



#5 Aldrin

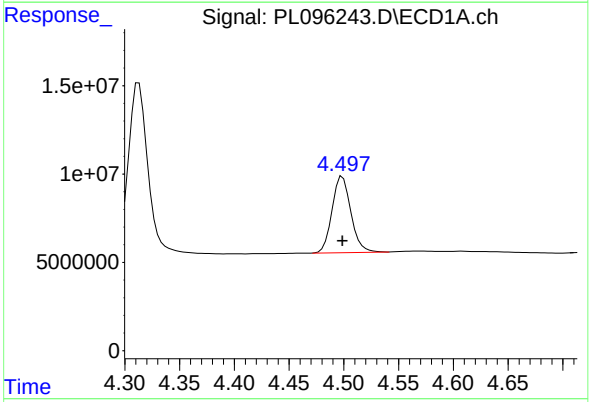
R.T.: 5.245 min
Delta R.T.: 0.000 min
Response: 118683013
Conc: 24.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



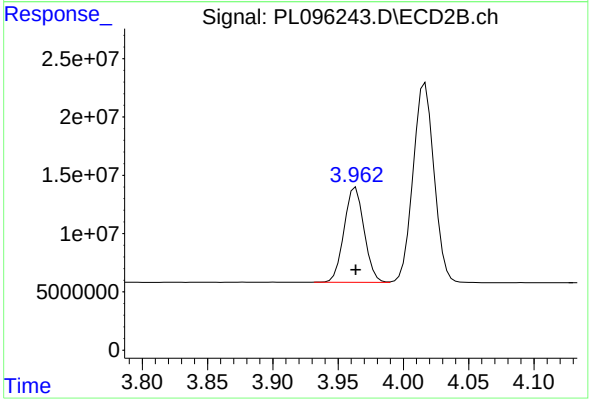
#5 Aldrin

R.T.: 4.300 min
Delta R.T.: 0.000 min
Response: 181901551
Conc: 24.85 ng/ml



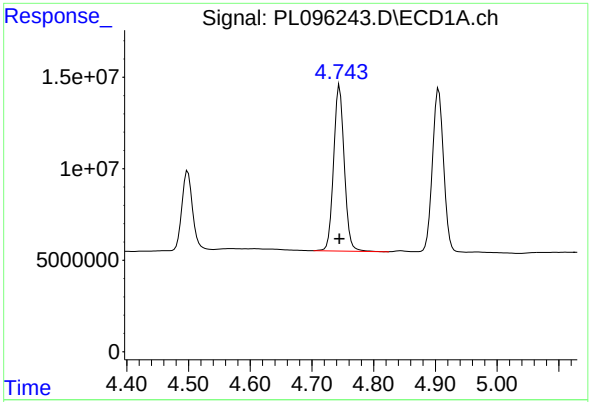
#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 51593189
Conc: 25.20 ng/ml



#6 beta-BHC

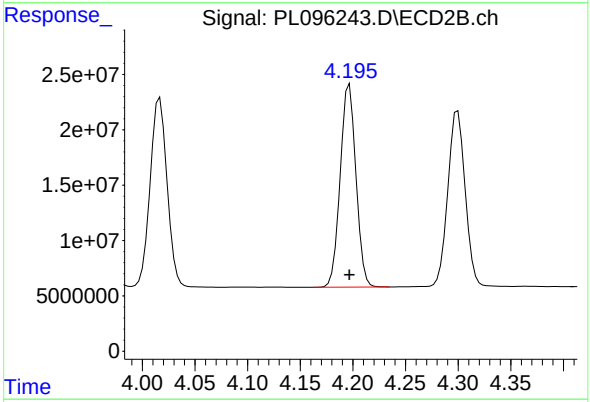
R.T.: 3.964 min
Delta R.T.: 0.000 min
Response: 86999189
Conc: 25.86 ng/ml



#7 delta-BHC

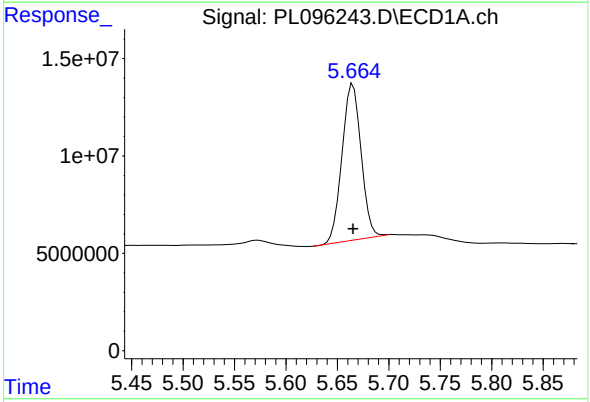
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 108668725
Conc: 23.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



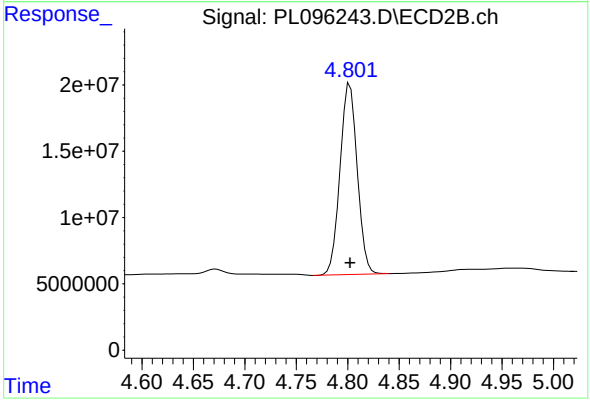
#7 delta-BHC

R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 191489716
Conc: 24.61 ng/ml



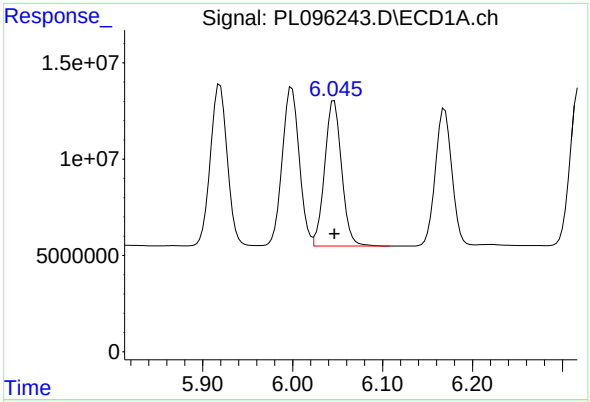
#8 Heptachlor epoxide

R.T.: 5.665 min
Delta R.T.: 0.000 min
Response: 104327998
Conc: 24.58 ng/ml



#8 Heptachlor epoxide

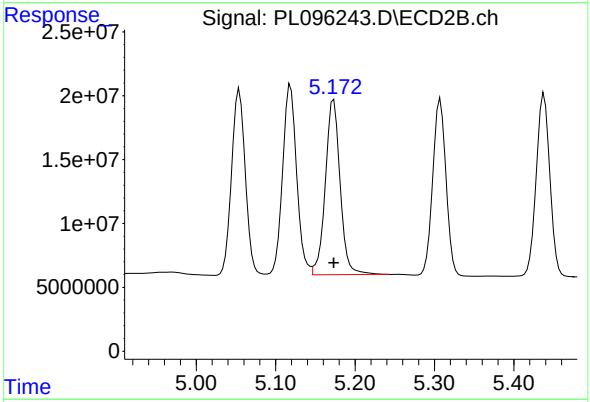
R.T.: 4.802 min
Delta R.T.: 0.000 min
Response: 168101653
Conc: 25.42 ng/ml



#9 Endosulfan I

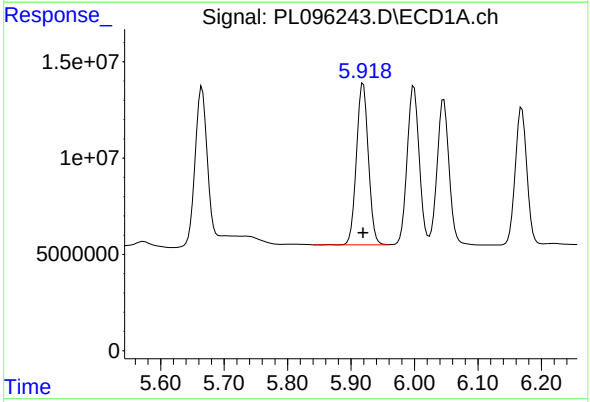
R.T.: 6.046 min
Delta R.T.: 0.000 min
Response: 99024442
Conc: 24.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



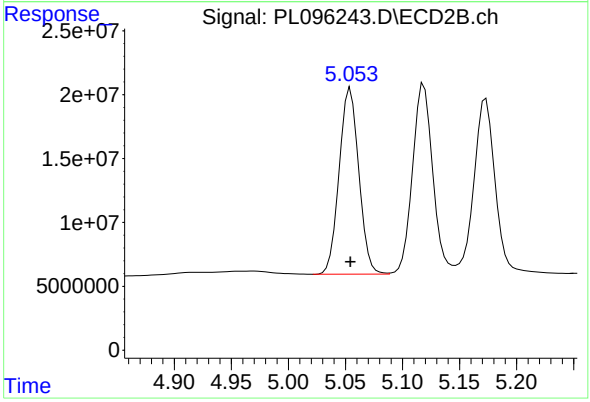
#9 Endosulfan I

R.T.: 5.173 min
Delta R.T.: 0.000 min
Response: 177299742
Conc: 26.92 ng/ml



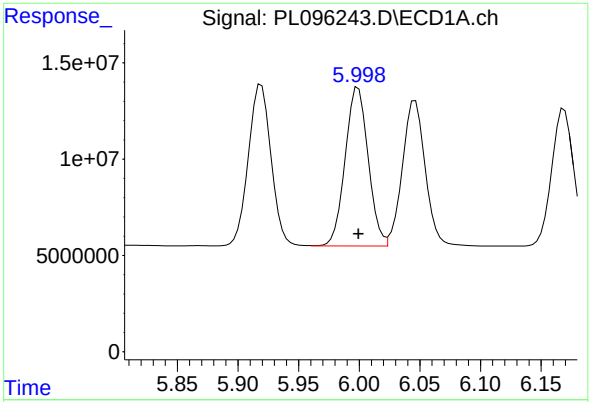
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 109411861
Conc: 24.77 ng/ml



#10 gamma-Chlordane

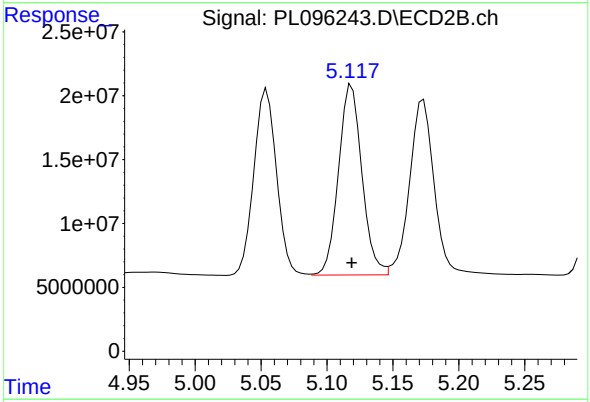
R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 174783686
Conc: 24.99 ng/ml



#11 alpha-Chlordane

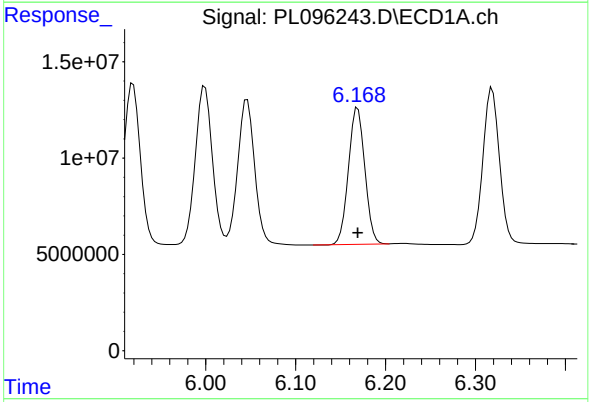
R.T.: 5.999 min
Delta R.T.: 0.000 min
Response: 108663198
Conc: 25.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



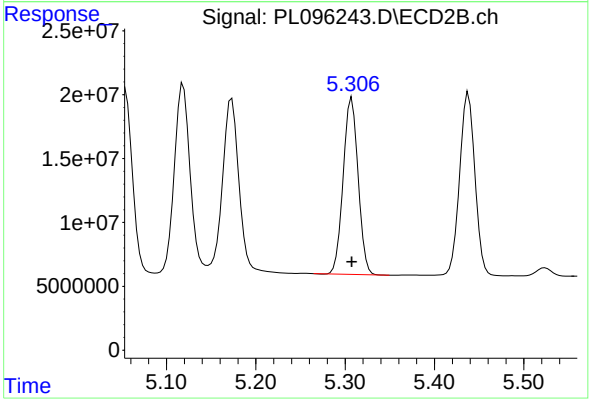
#11 alpha-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 184049107
Conc: 25.92 ng/ml



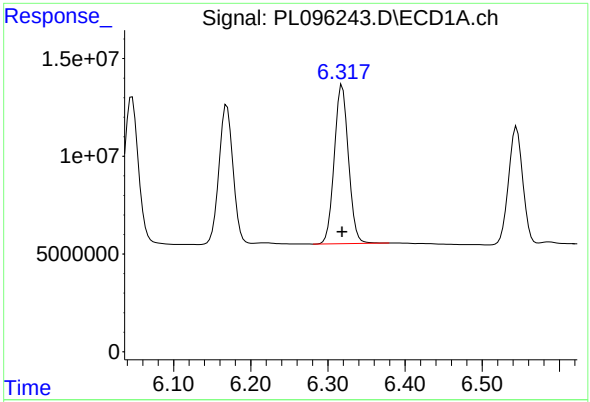
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 89563798
Conc: 24.09 ng/ml



#12 4,4'-DDE

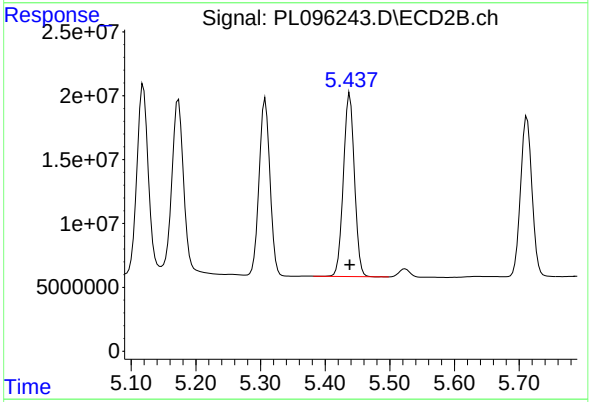
R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 160286767
Conc: 24.56 ng/ml



#13 Dieldrin

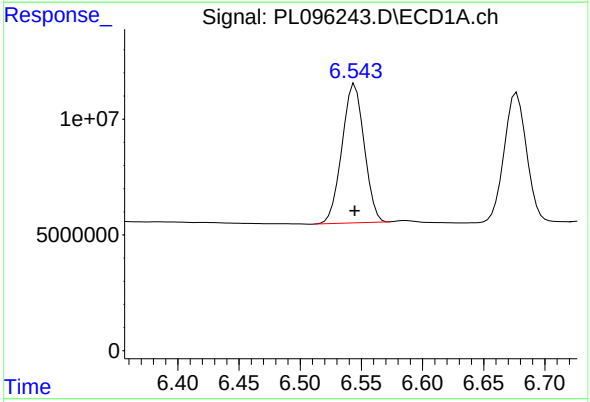
R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 103826097
Conc: 24.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



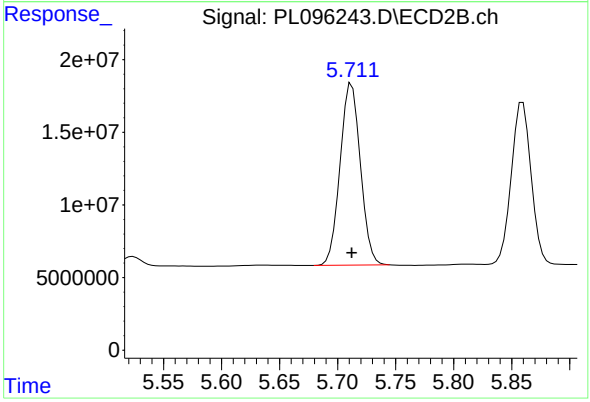
#13 Dieldrin

R.T.: 5.438 min
Delta R.T.: 0.000 min
Response: 170622291
Conc: 24.94 ng/ml



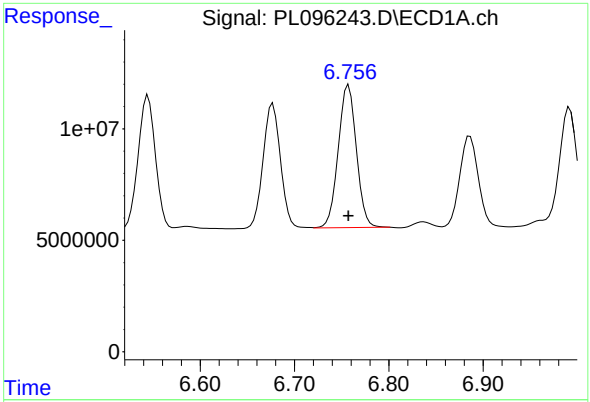
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 75881870
Conc: 24.16 ng/ml



#14 Endrin

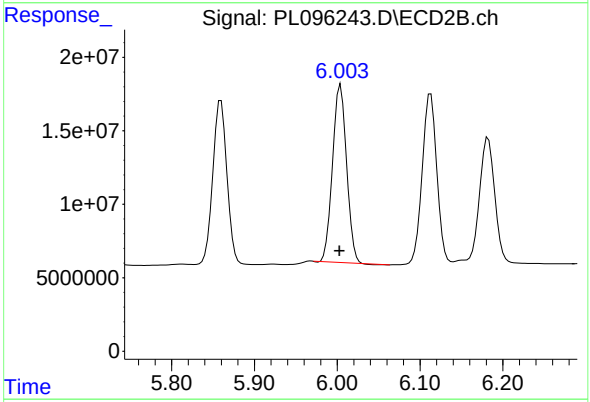
R.T.: 5.712 min
Delta R.T.: 0.000 min
Response: 152630829
Conc: 25.03 ng/ml



#15 Endosulfan II

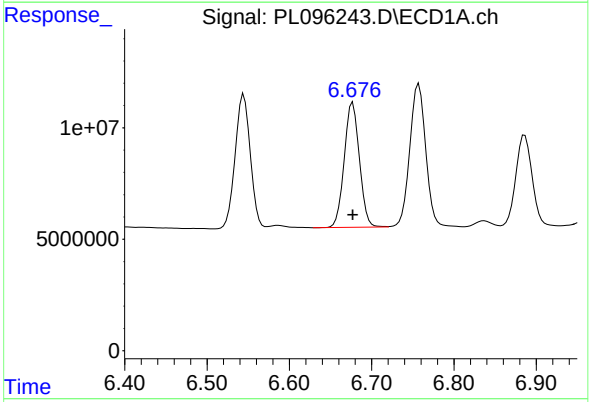
R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 85668436
Conc: 25.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



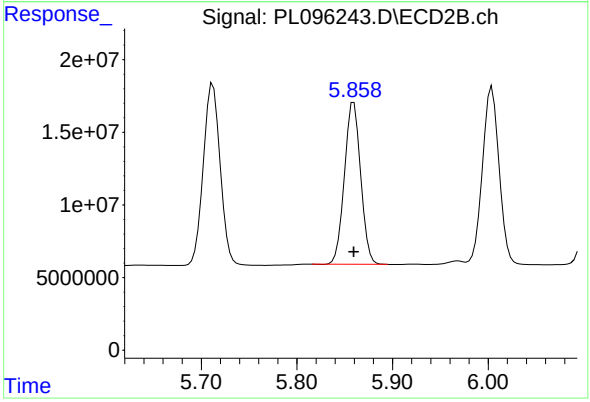
#15 Endosulfan II

R.T.: 6.004 min
Delta R.T.: 0.001 min
Response: 142425528
Conc: 24.53 ng/ml



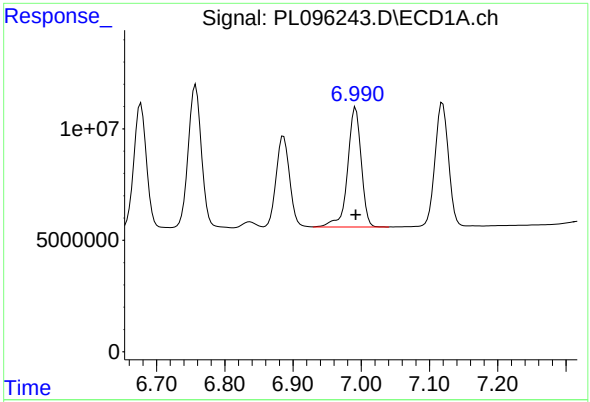
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 71650668
Conc: 24.60 ng/ml



#16 4,4'-DDD

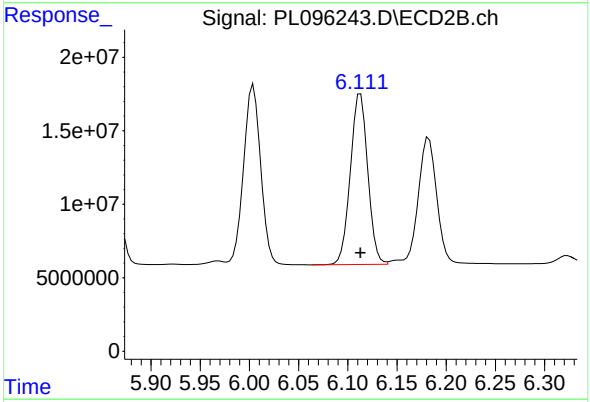
R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 132181861
Conc: 25.19 ng/ml



#17 4,4'-DDT

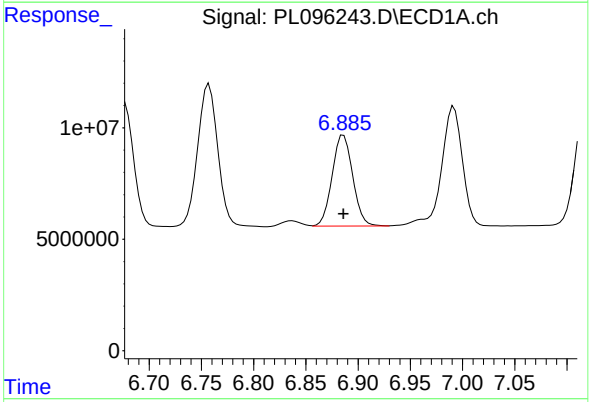
R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 74288680
Conc: 24.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



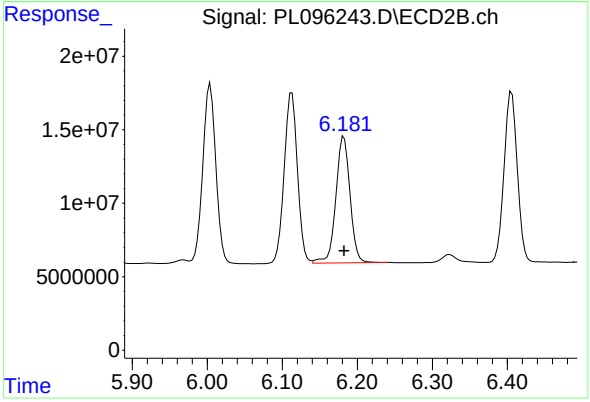
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 143037007
Conc: 24.75 ng/ml



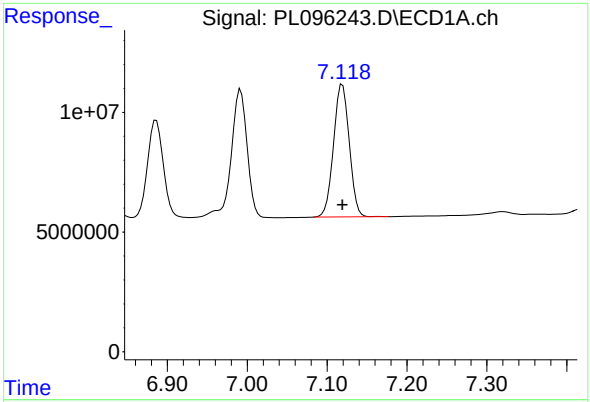
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 55834732
Conc: 25.29 ng/ml



#18 Endrin aldehyde

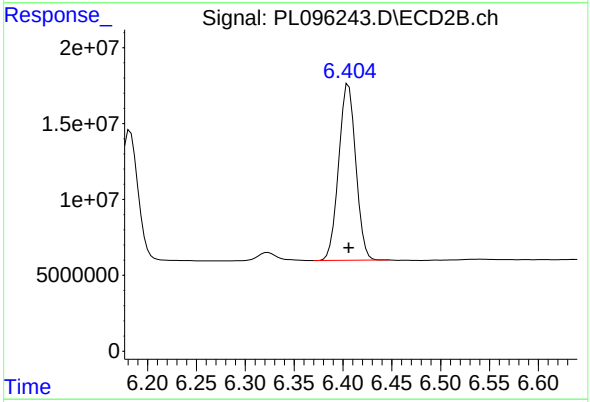
R.T.: 6.182 min
Delta R.T.: 0.000 min
Response: 113086713
Conc: 26.64 ng/ml



#19 Endosulfan Sulfate

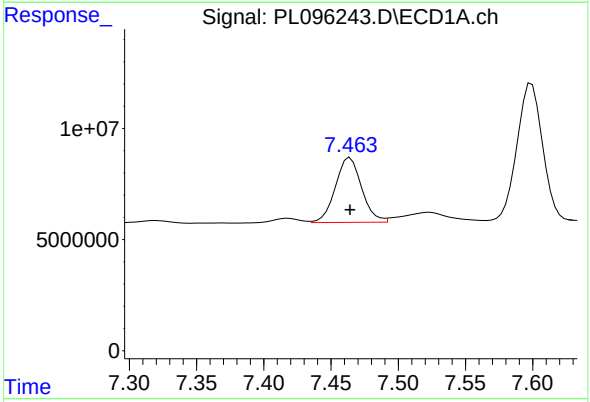
R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 75807591
Conc: 24.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



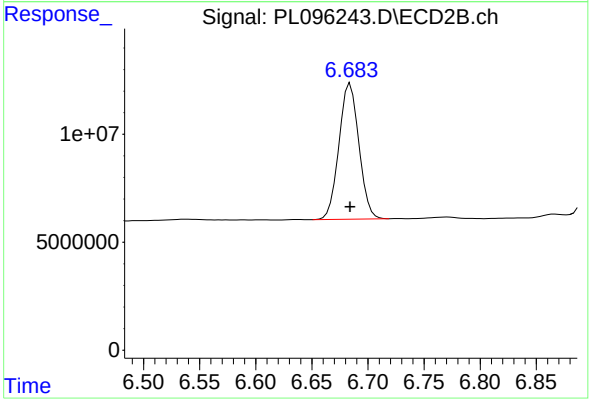
#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 141876171
Conc: 25.51 ng/ml



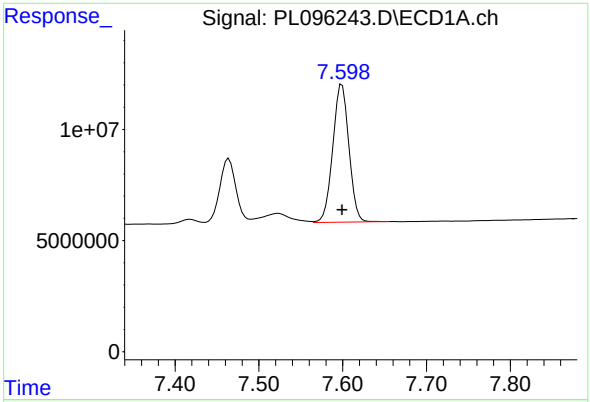
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 39522332
Conc: 25.77 ng/ml



#20 Methoxychlor

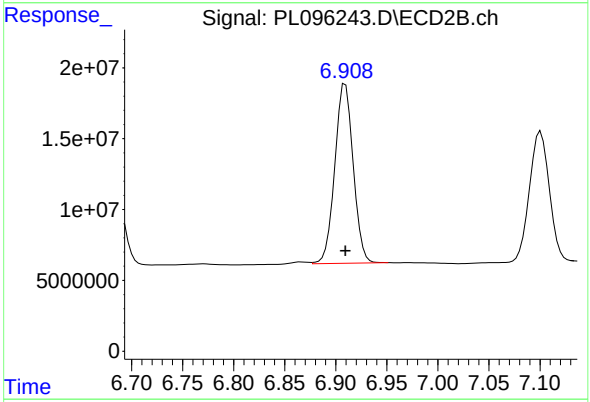
R.T.: 6.684 min
Delta R.T.: 0.000 min
Response: 77835403
Conc: 25.98 ng/ml



#21 Endrin ketone

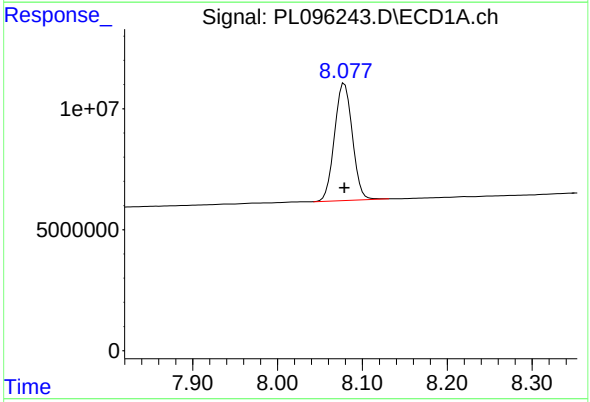
R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 82764438
Conc: 25.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



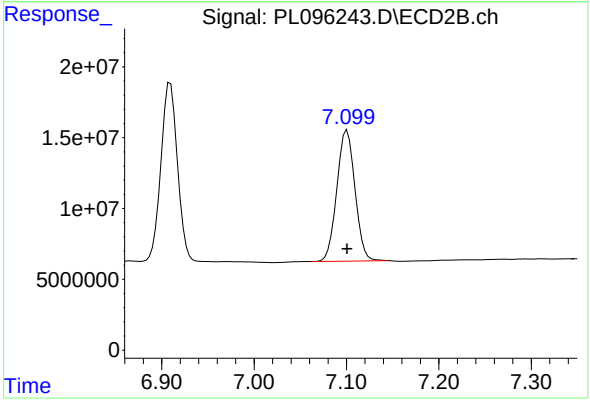
#21 Endrin ketone

R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 158785412
Conc: 25.65 ng/ml



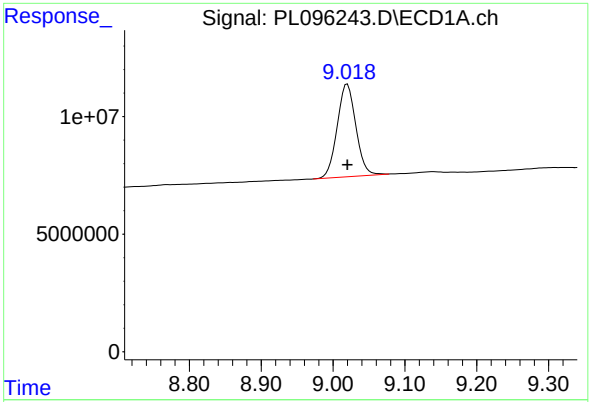
#22 Mirex

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 70613541
Conc: 25.85 ng/ml



#22 Mirex

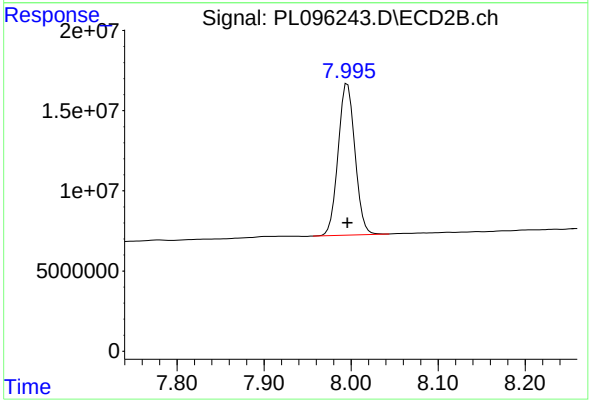
R.T.: 7.101 min
Delta R.T.: 0.000 min
Response: 126125125
Conc: 26.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 71001314
Conc: 25.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 127127393
Conc: 26.20 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096244.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:49
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 14:00:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.828	19025537	29948633	5.214	5.189	
28)	SA Decachlor...	9.020	7.997	15503442	27603399	5.511	5.536	
	Target Compounds							
2)	A alpha-BHC	3.984	3.334	23234160	39797350	4.518	4.718	
3)	MA gamma-BHC...	4.313	3.667	24037524	38230859	4.827	4.854	
4)	MA Heptachlor	4.905	4.016	24009255	38216999	5.241	5.023	
5)	MB Aldrin	5.246	4.299	23850765	35971559	4.934	4.931	
6)	B beta-BHC	4.499	3.963	11025016	18322787	5.304	5.351	
7)	B delta-BHC	4.745	4.196	21146545	36946663	4.719	4.797	
8)	B Heptachlo...	5.665	4.802	18852553	39492717	4.544	5.898	#
9)	A Endosulfan I	6.047	5.173	21120955	51672123	5.232	7.044	#
10)	B gamma-Chl...	5.919	5.054	22271617	35604780	5.033	5.072	
11)	B alpha-Chl...	6.000	5.119	22538956	45965555	5.147	6.112	
12)	B 4,4'-DDE	6.170	5.307	18320455	30737055	4.941	4.765	
13)	MA Dieldrin	6.319	5.437	20962161	34880035	4.957	5.078	
14)	MA Endrin	6.545	5.712	14943290	29936643	4.805	4.916	
15)	B Endosulfa...	6.757	6.004	19106695	26781273	5.506	4.574	
16)	A 4,4'-DDD	6.677	5.859	14539958	23257862	4.994	4.535	
17)	MA 4,4'-DDT	6.992	6.113	15148387	27808893	4.991	4.849	
18)	B Endrin al...	6.886	6.182	11735349	28904097	5.249	6.485	
19)	B Endosulfa...	7.120	6.406	15445201	29371565	5.049	5.222	
20)	A Methoxychlor	7.465	6.685	8712032	16026571	5.530	5.276	
21)	B Endrin ke...	7.599	6.910	16421079	33217217	4.974	5.315	
22)	Mirex	8.079	7.101	14920931	27895605	5.363	5.615	

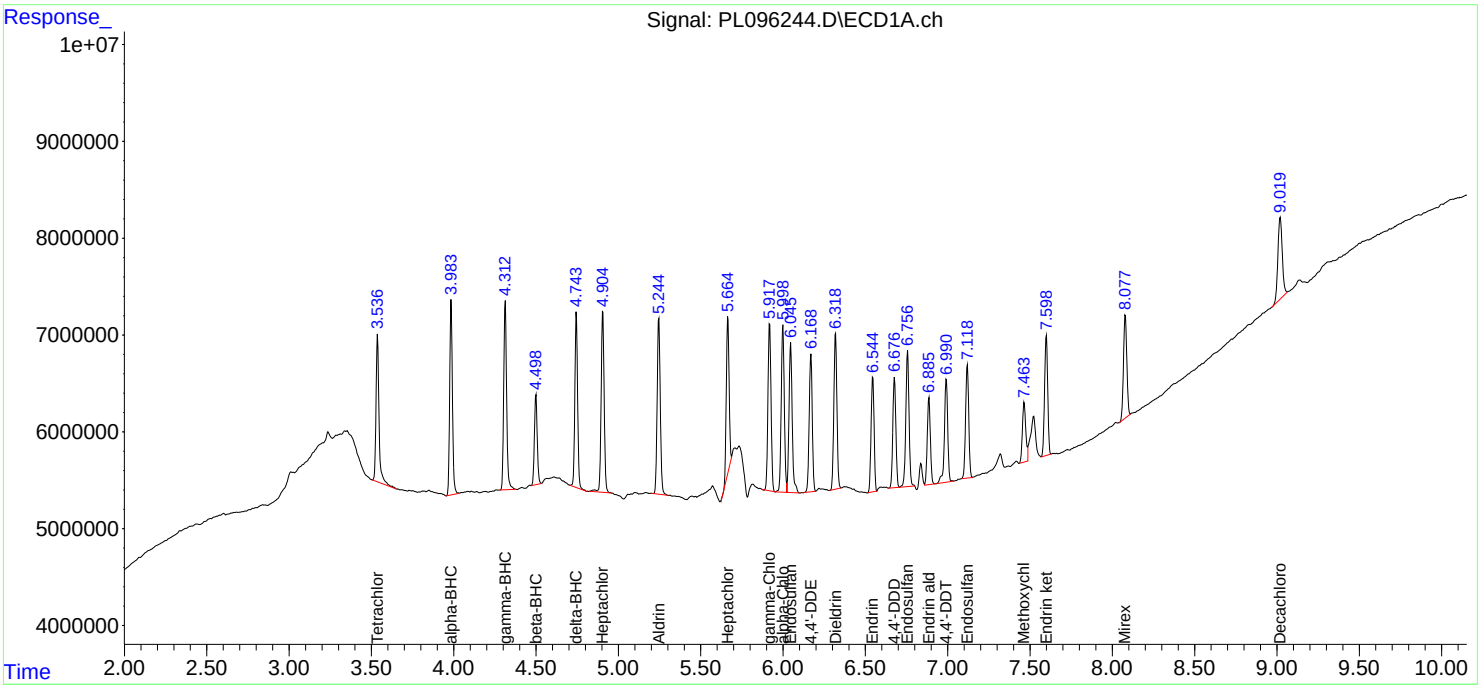
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

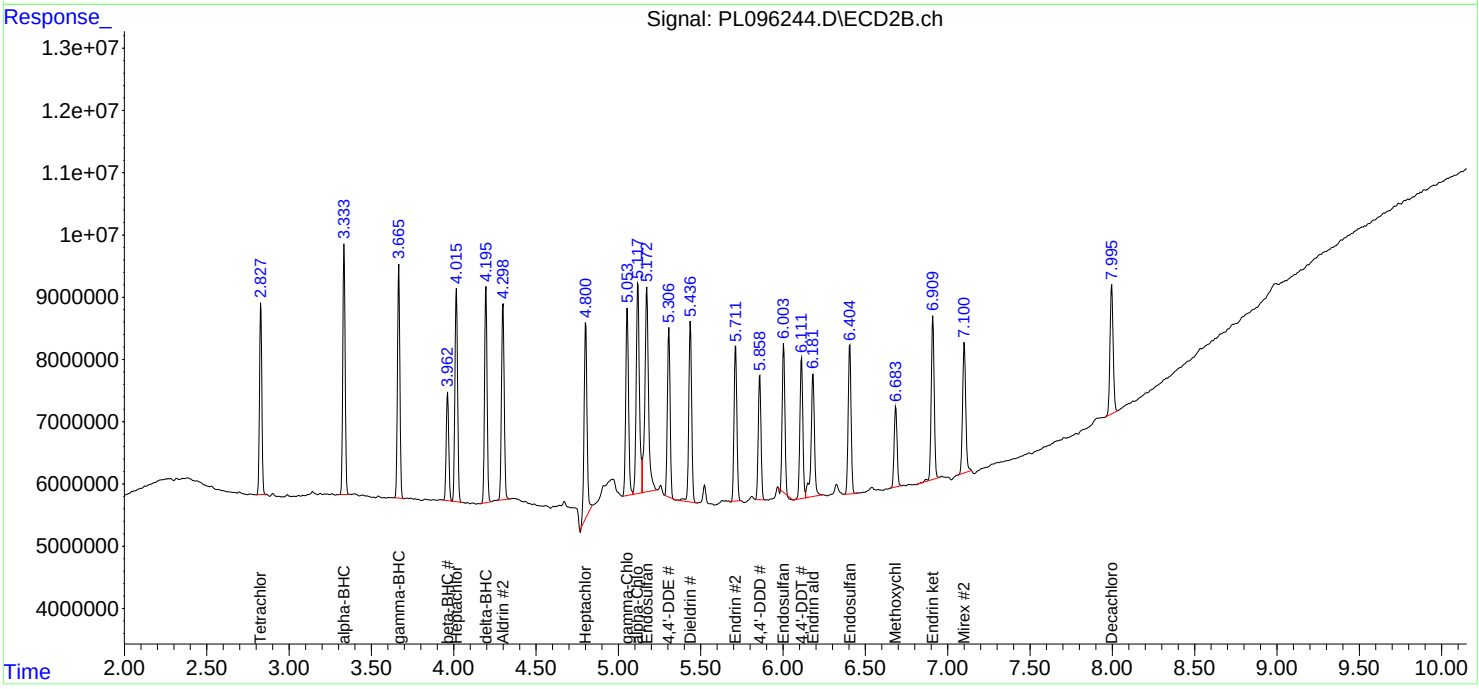
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096244.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:49
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

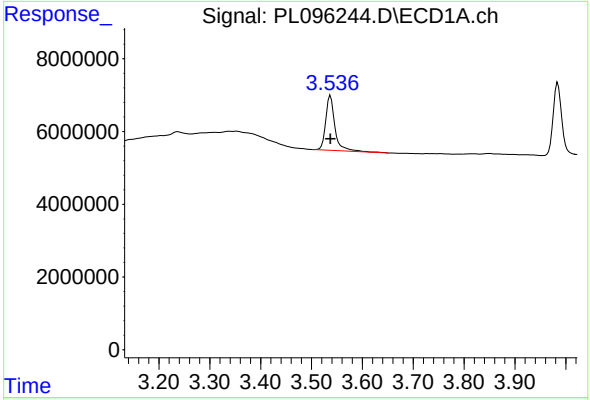
Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 14:00:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



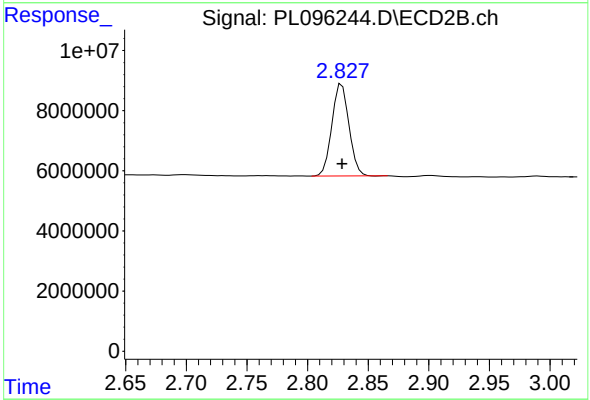




#1 Tetrachloro-m-xylene

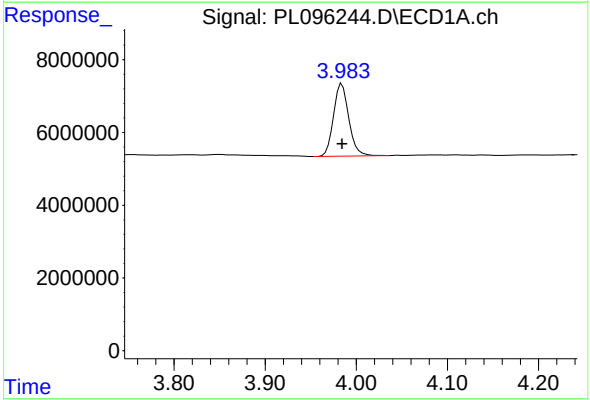
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 19025537
Conc: 5.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



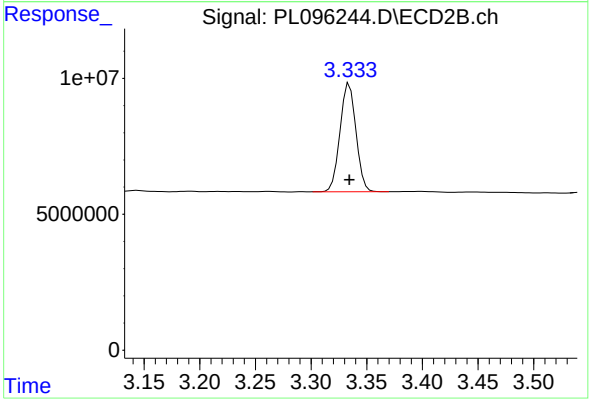
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 29948633
Conc: 5.19 ng/ml



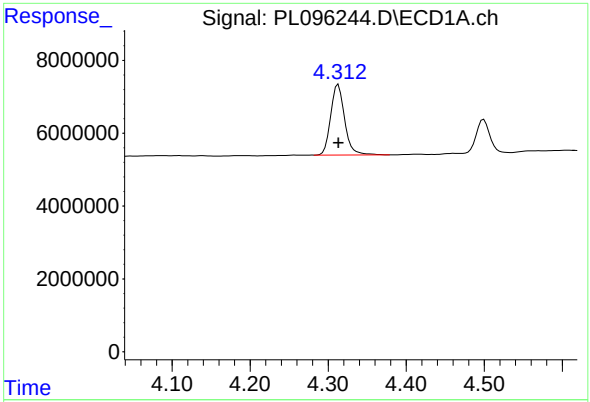
#2 alpha-BHC

R.T.: 3.984 min
Delta R.T.: 0.000 min
Response: 23234160
Conc: 4.52 ng/ml



#2 alpha-BHC

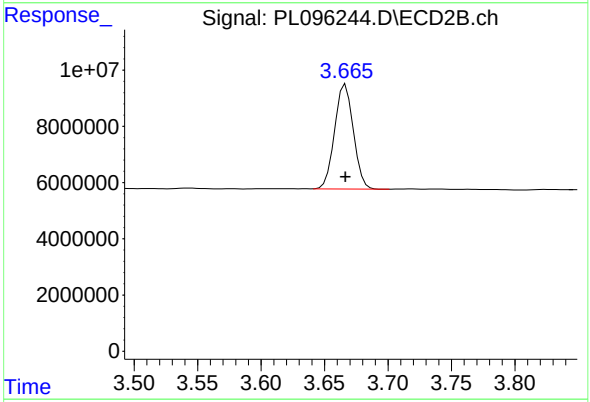
R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 39797350
Conc: 4.72 ng/ml



#3 gamma-BHC (Lindane)

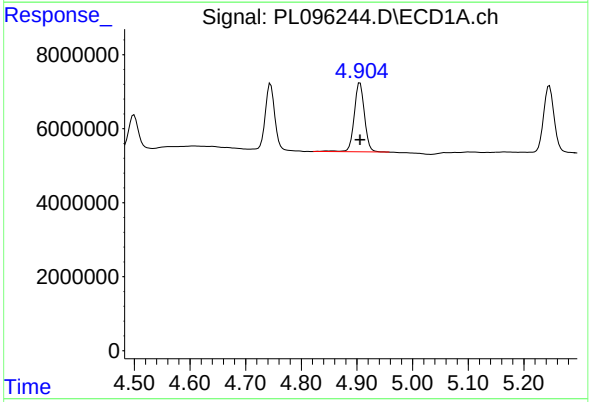
R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 24037524
Conc: 4.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



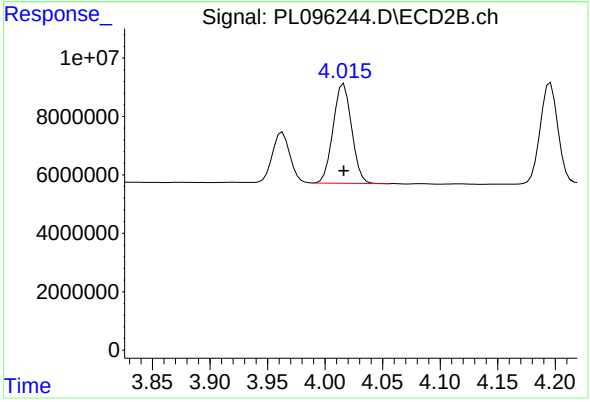
#3 gamma-BHC (Lindane)

R.T.: 3.667 min
Delta R.T.: 0.000 min
Response: 38230859
Conc: 4.85 ng/ml



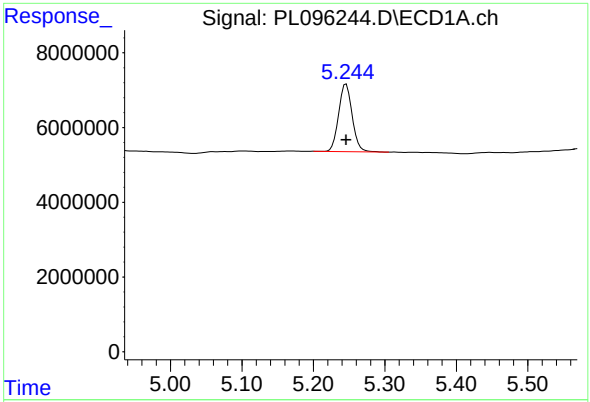
#4 Heptachlor

R.T.: 4.905 min
Delta R.T.: 0.000 min
Response: 24009255
Conc: 5.24 ng/ml



#4 Heptachlor

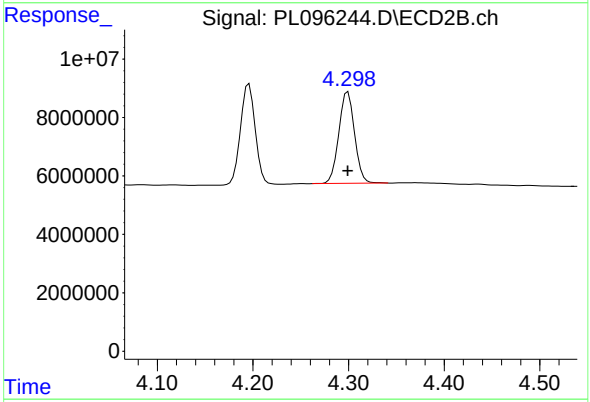
R.T.: 4.016 min
Delta R.T.: 0.000 min
Response: 38216999
Conc: 5.02 ng/ml



#5 Aldrin

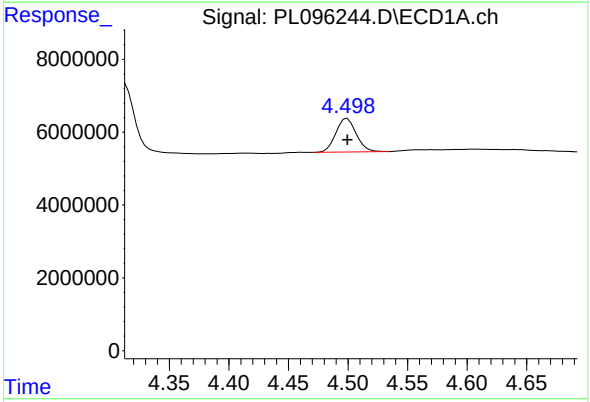
R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 23850765
Conc: 4.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



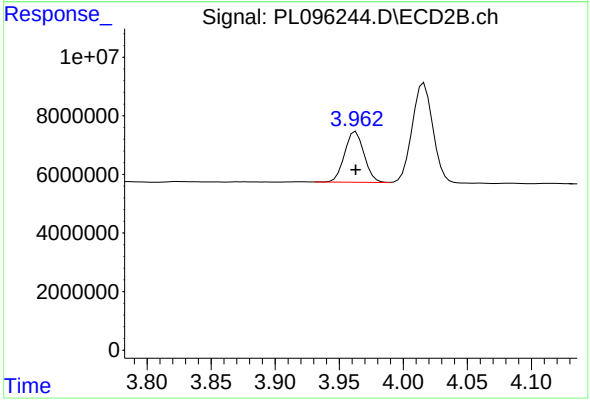
#5 Aldrin

R.T.: 4.299 min
Delta R.T.: 0.000 min
Response: 35971559
Conc: 4.93 ng/ml



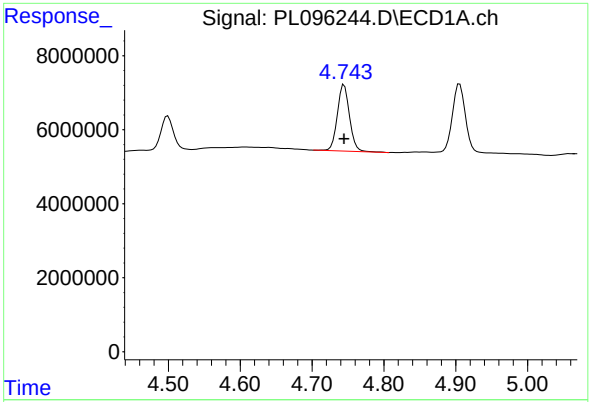
#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 11025016
Conc: 5.30 ng/ml



#6 beta-BHC

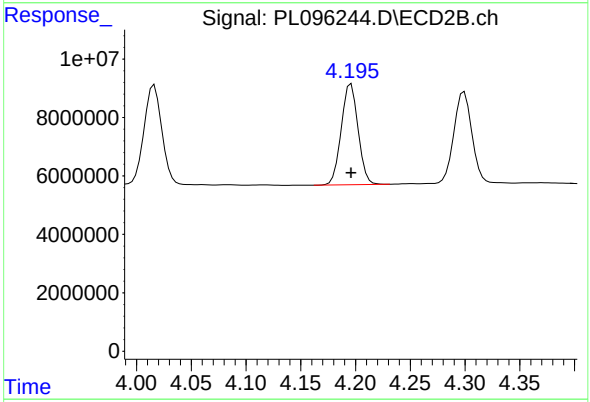
R.T.: 3.963 min
Delta R.T.: 0.000 min
Response: 18322787
Conc: 5.35 ng/ml



#7 delta-BHC

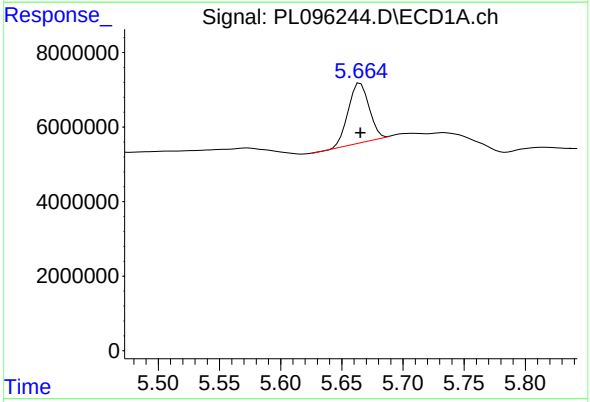
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 21146545
Conc: 4.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



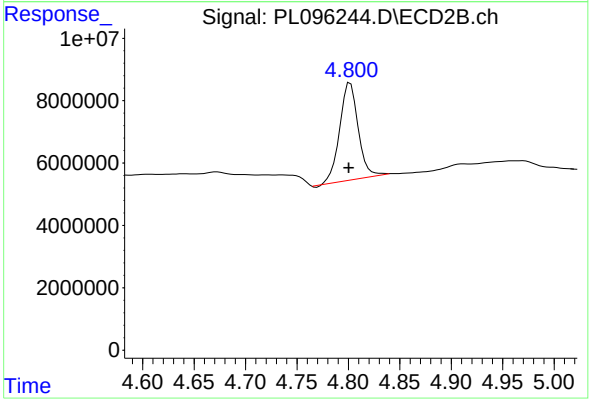
#7 delta-BHC

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 36946663
Conc: 4.80 ng/ml



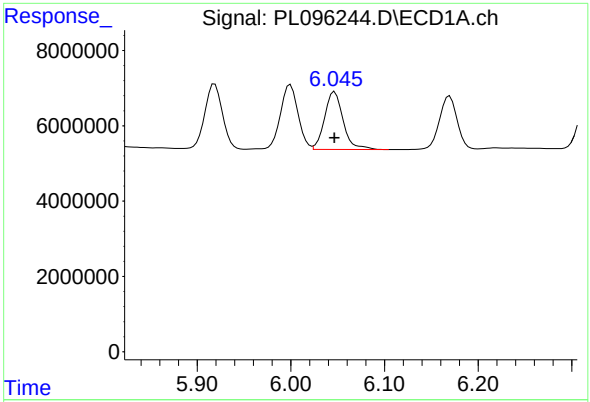
#8 Heptachlor epoxide

R.T.: 5.665 min
Delta R.T.: 0.000 min
Response: 18852553
Conc: 4.54 ng/ml



#8 Heptachlor epoxide

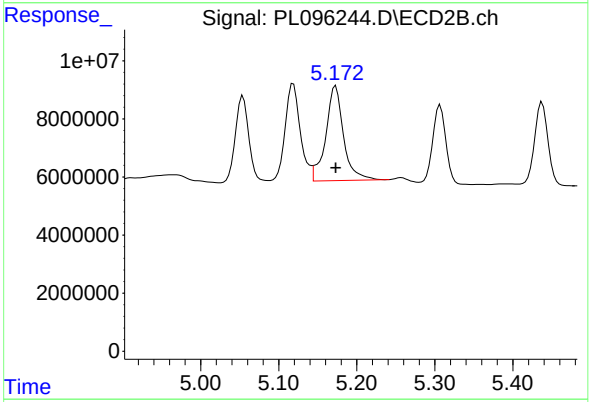
R.T.: 4.802 min
Delta R.T.: 0.001 min
Response: 39492717
Conc: 5.90 ng/ml



#9 Endosulfan I

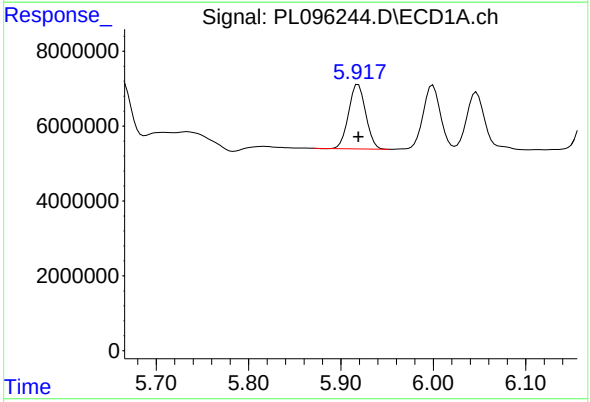
R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 21120955
Conc: 5.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



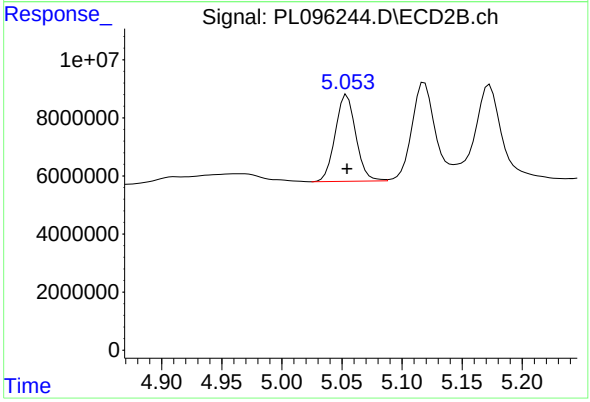
#9 Endosulfan I

R.T.: 5.173 min
Delta R.T.: 0.000 min
Response: 51672123
Conc: 7.04 ng/ml



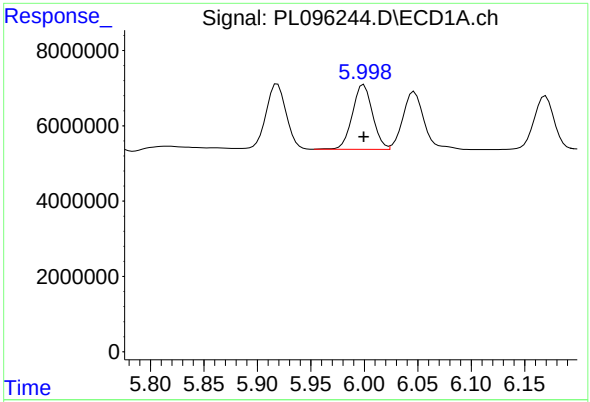
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 22271617
Conc: 5.03 ng/ml



#10 gamma-Chlordane

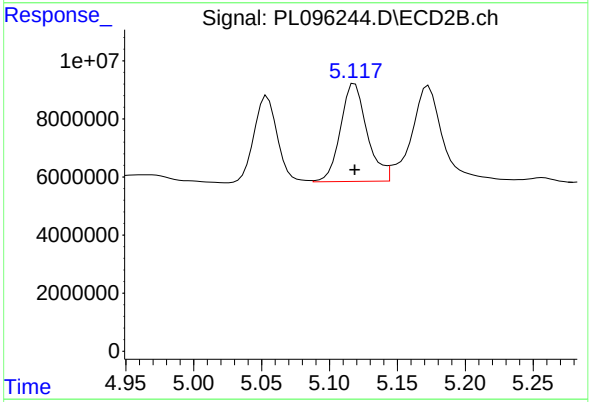
R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 35604780
Conc: 5.07 ng/ml



#11 alpha-Chlordane

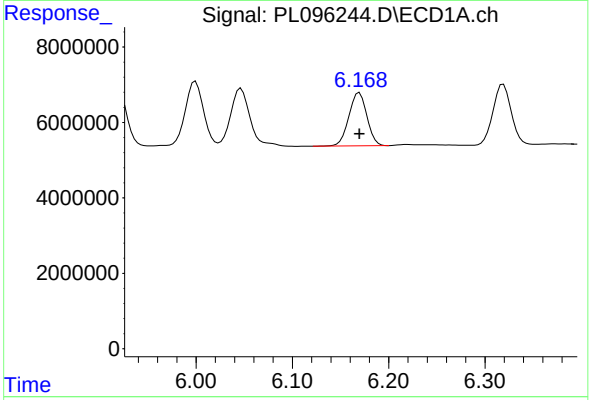
R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 22538956
Conc: 5.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



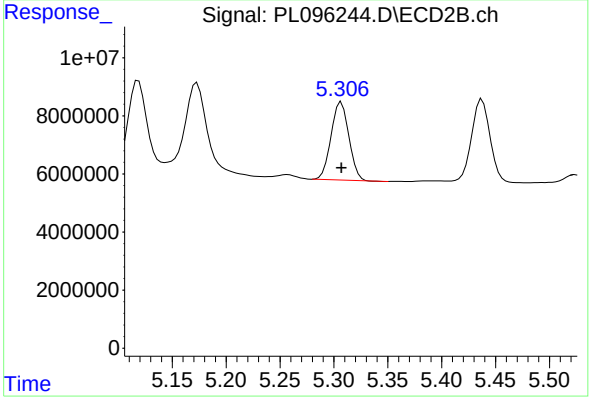
#11 alpha-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 45965555
Conc: 6.11 ng/ml



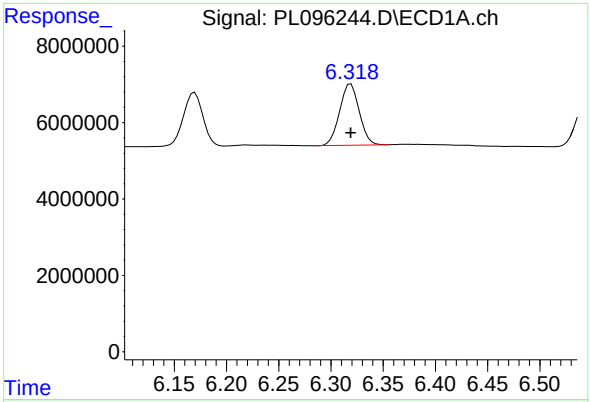
#12 4,4'-DDE

R.T.: 6.170 min
Delta R.T.: 0.000 min
Response: 18320455
Conc: 4.94 ng/ml



#12 4,4'-DDE

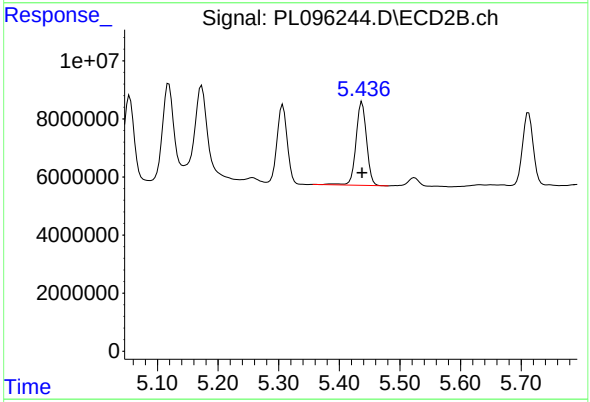
R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 30737055
Conc: 4.77 ng/ml



#13 Dieldrin

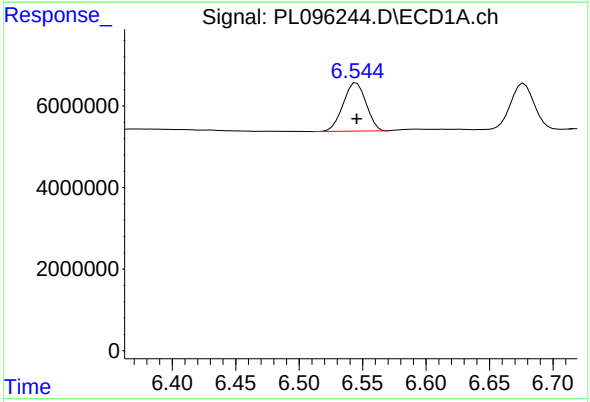
R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 20962161
Conc: 4.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



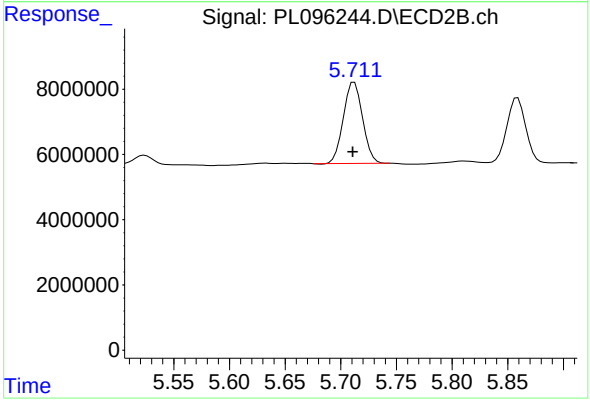
#13 Dieldrin

R.T.: 5.437 min
Delta R.T.: 0.000 min
Response: 34880035
Conc: 5.08 ng/ml



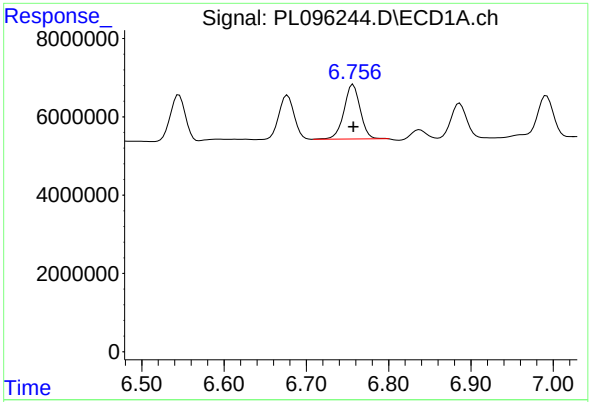
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 14943290
Conc: 4.80 ng/ml



#14 Endrin

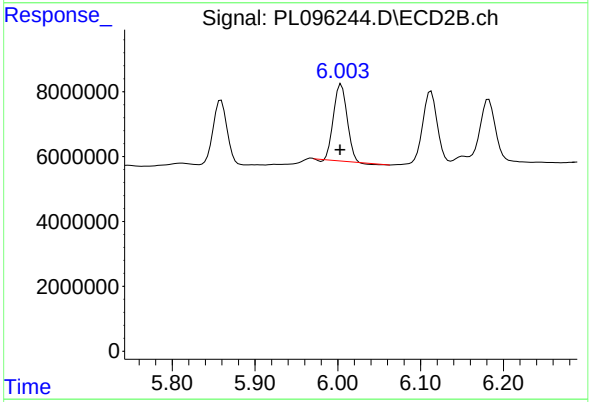
R.T.: 5.712 min
Delta R.T.: 0.001 min
Response: 29936643
Conc: 4.92 ng/ml



#15 Endosulfan II

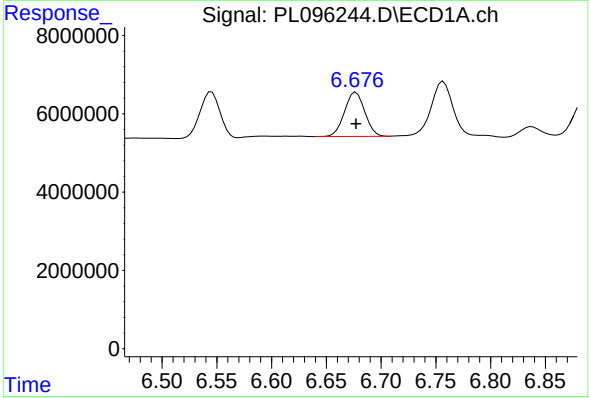
R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 19106695
Conc: 5.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



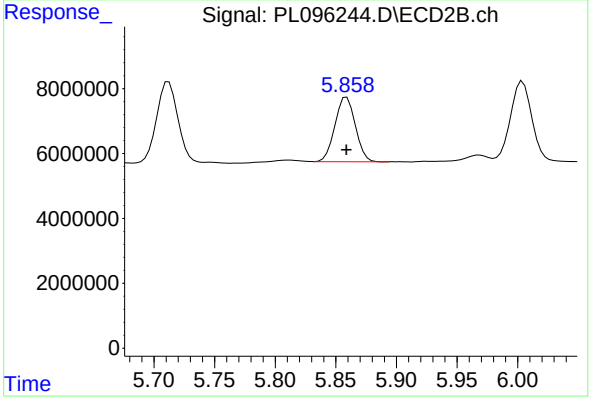
#15 Endosulfan II

R.T.: 6.004 min
Delta R.T.: 0.001 min
Response: 26781273
Conc: 4.57 ng/ml



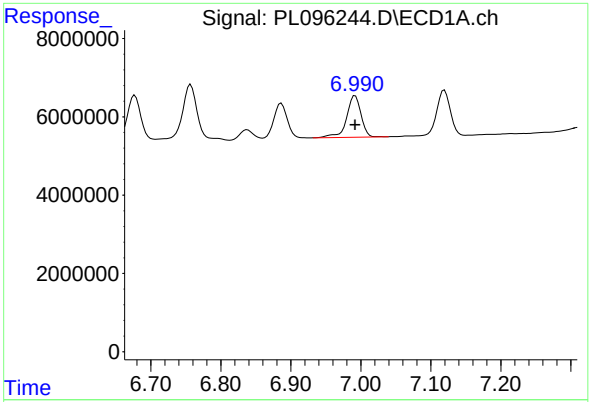
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 14539958
Conc: 4.99 ng/ml



#16 4,4'-DDD

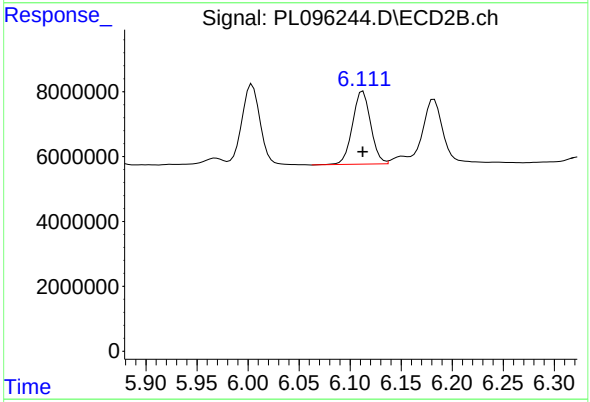
R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 23257862
Conc: 4.53 ng/ml



#17 4,4'-DDT

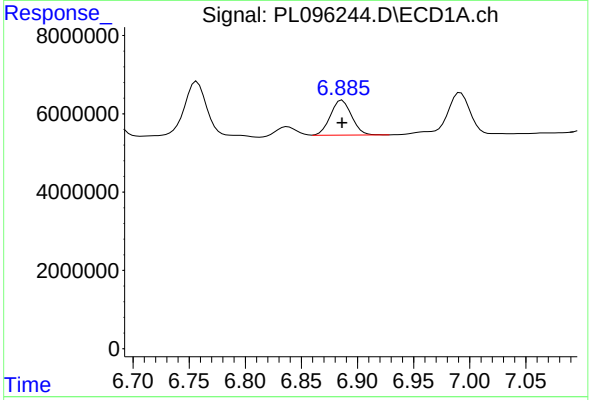
R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 15148387
Conc: 4.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



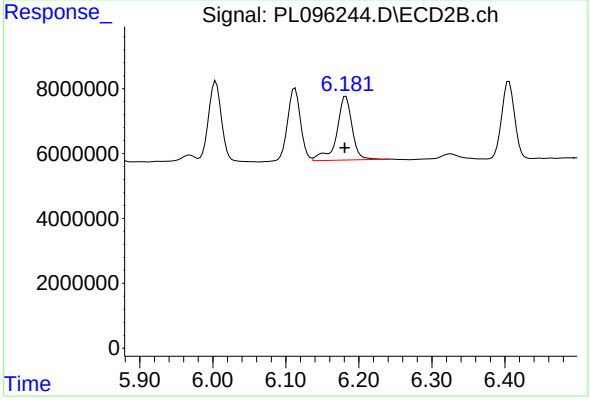
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 27808893
Conc: 4.85 ng/ml



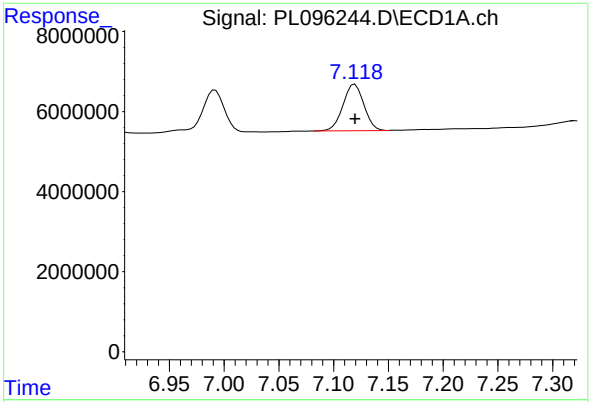
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 11735349
Conc: 5.25 ng/ml



#18 Endrin aldehyde

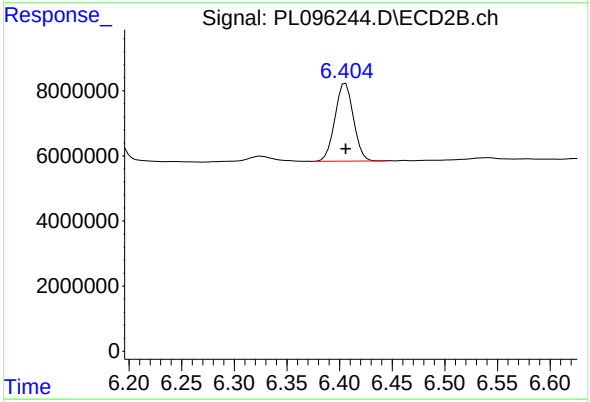
R.T.: 6.182 min
Delta R.T.: 0.001 min
Response: 28904097
Conc: 6.49 ng/ml



#19 Endosulfan Sulfate

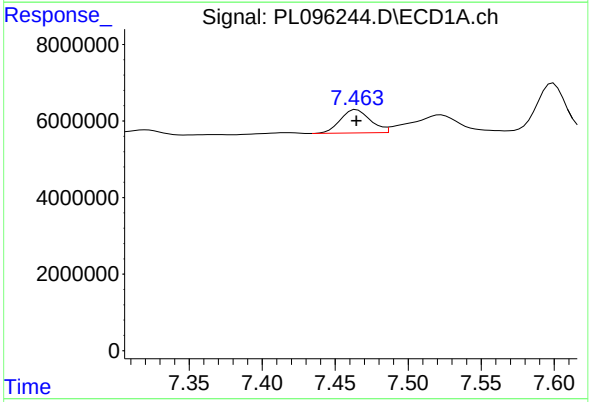
R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 15445201
Conc: 5.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



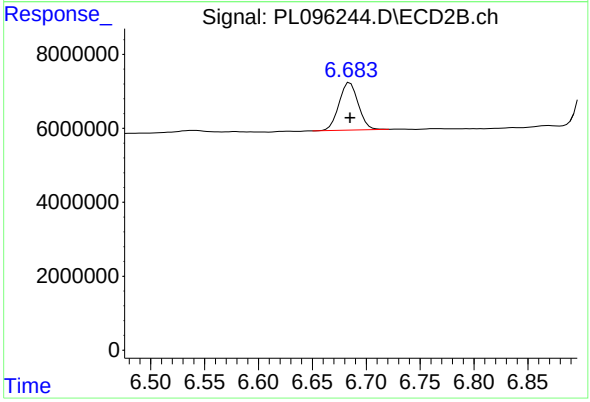
#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 29371565
Conc: 5.22 ng/ml



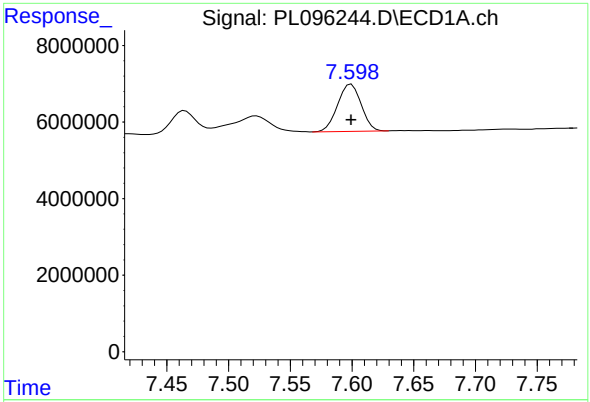
#20 Methoxychlor

R.T.: 7.465 min
Delta R.T.: 0.000 min
Response: 8712032
Conc: 5.53 ng/ml



#20 Methoxychlor

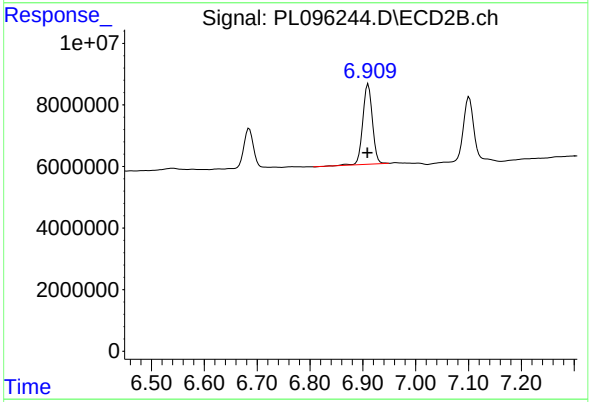
R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 16026571
Conc: 5.28 ng/ml



#21 Endrin ketone

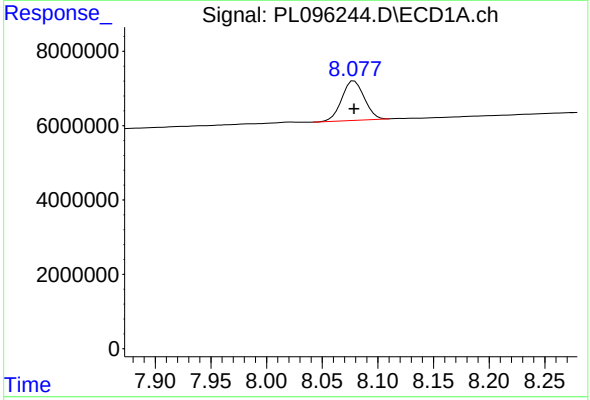
R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 16421079
Conc: 4.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



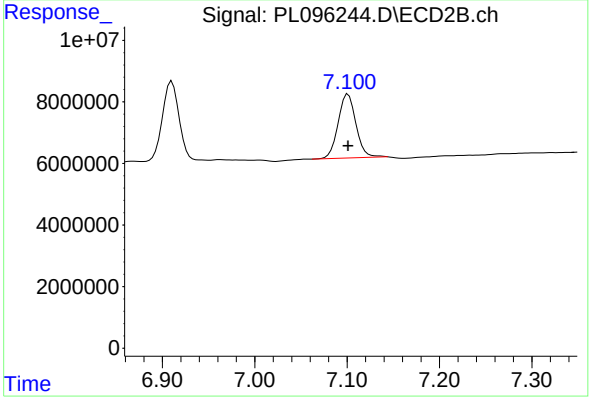
#21 Endrin ketone

R.T.: 6.910 min
Delta R.T.: 0.001 min
Response: 33217217
Conc: 5.31 ng/ml



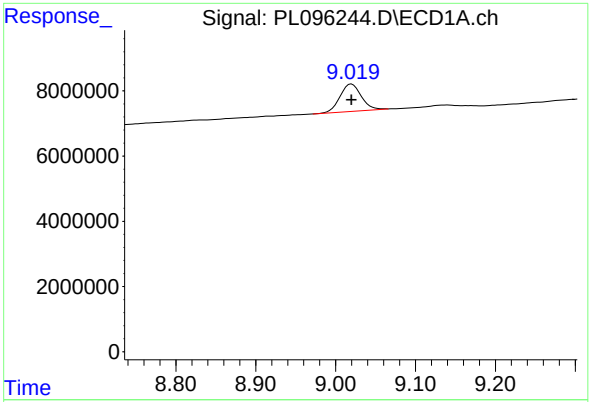
#22 Mirex

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 14920931
Conc: 5.36 ng/ml



#22 Mirex

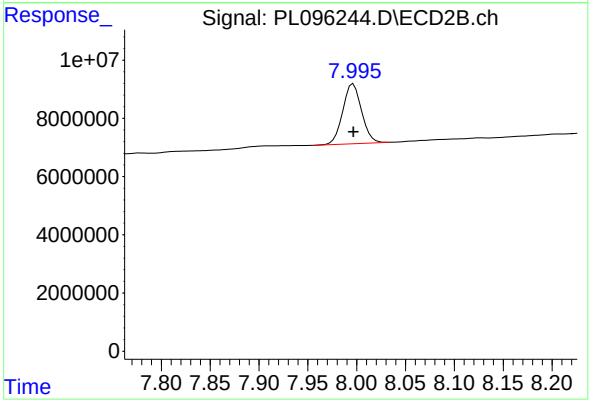
R.T.: 7.101 min
Delta R.T.: 0.000 min
Response: 27895605
Conc: 5.61 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 15503442
Conc: 5.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



#28 Decachlorobiphenyl

R.T.: 7.997 min
Delta R.T.: 0.000 min
Response: 27603399
Conc: 5.54 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096255.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 14:19
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:23:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.829	186.5E6	292.8E6	51.121	50.727	
28)	SA Decachlor...	9.022	7.997	140.6E6	252.5E6	49.997	50.646	
	Target Compounds							
2)	A alpha-BHC	3.985	3.335	267.9E6	439.5E6	52.090	52.104	
3)	MA gamma-BHC...	4.314	3.668	258.2E6	407.2E6	51.852	51.705	
4)	MA Heptachlor	4.906	4.017	239.3E6	393.6E6	52.226	51.743	
5)	MB Aldrin	5.246	4.300	251.0E6	377.0E6	51.928	51.670	
6)	B beta-BHC	4.500	3.964	105.6E6	173.3E6	50.792	50.626	
7)	B delta-BHC	4.746	4.197	234.7E6	398.9E6	52.366	51.789	
8)	B Heptachlo...	5.665	4.802	246.7E6	343.2E6	59.453	51.344	
9)	A Endosulfan I	6.047	5.174	205.2E6	331.1E6	50.831	46.148	
10)	B gamma-Chl...	5.919	5.055	225.5E6	357.7E6	50.971	50.960	
11)	B alpha-Chl...	6.000	5.119	222.4E6	359.0E6	50.784	47.738	
12)	B 4,4'-DDE	6.170	5.308	190.6E6	334.4E6	51.411	51.739	
13)	MA Dieldrin	6.320	5.438	215.9E6	351.2E6	51.070	51.494	
14)	MA Endrin	6.546	5.713	165.8E6	314.2E6	53.309	51.541	
15)	B Endosulfa...	6.758	6.005	180.6E6	300.7E6	52.046	51.281	
16)	A 4,4'-DDD	6.679	5.860	150.5E6	262.9E6	51.690	51.256	
17)	MA 4,4'-DDT	6.993	6.113	158.7E6	297.6E6	52.301	51.897	
18)	B Endrin al...	6.887	6.183	122.0E6	220.2E6	54.555	49.434	
19)	B Endosulfa...	7.120	6.406	156.8E6	287.8E6	51.259	51.179	
20)	A Methoxychlor	7.465	6.685	80931127	156.5E6	51.372	51.507	
21)	B Endrin ke...	7.600	6.911	170.6E6	319.2E6	51.674	51.060	
22)	Mirex	8.080	7.102	139.8E6	249.2E6	50.233	50.167	
24)	Chlordane-2	5.246f	0.000	251.0E6	0	1282.074	N.D.	#
25)	Chlordane-3	5.919	5.055	225.5E6	357.7E6	306.122	444.629	#
26)	Chlordane-4	6.000	5.119	222.4E6	359.0E6	247.846	477.762	#
27)	Chlordane-5	0.000	6.005	0	300.7E6	N.D.	1060.880	#

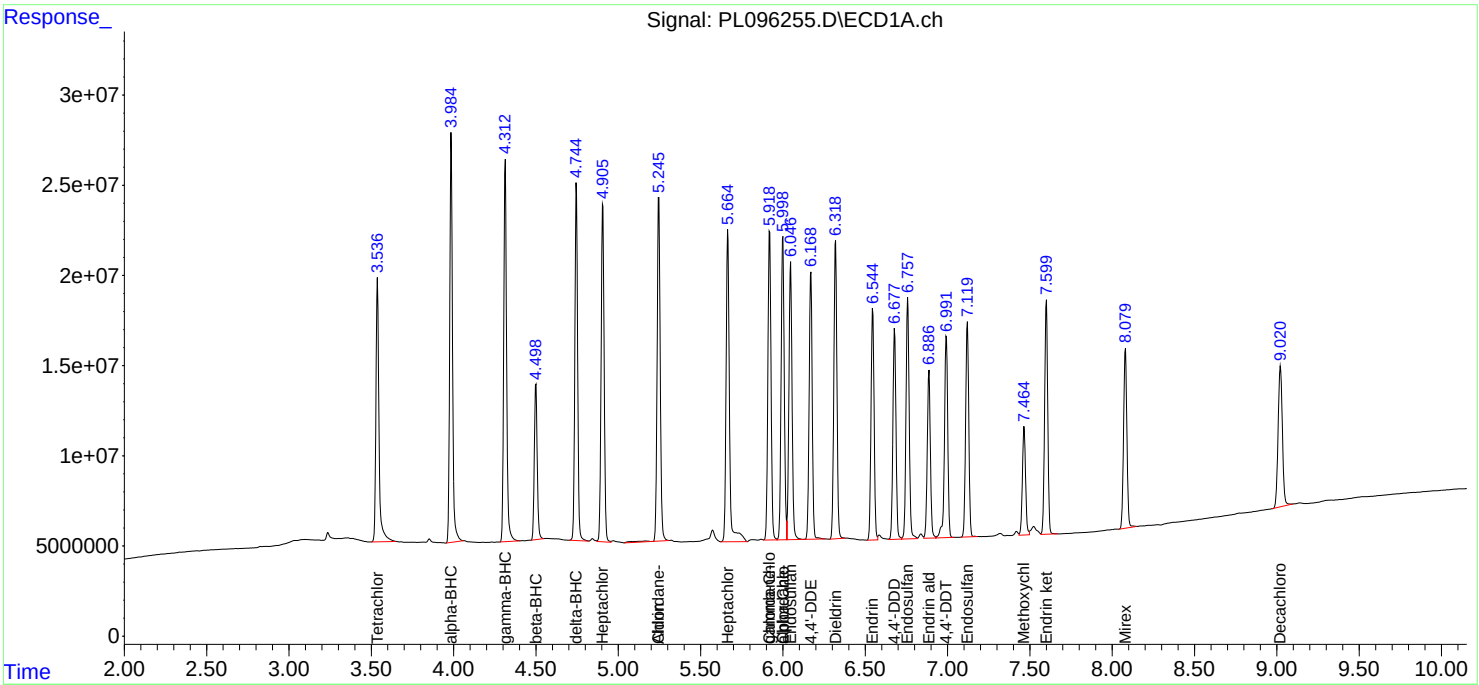
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

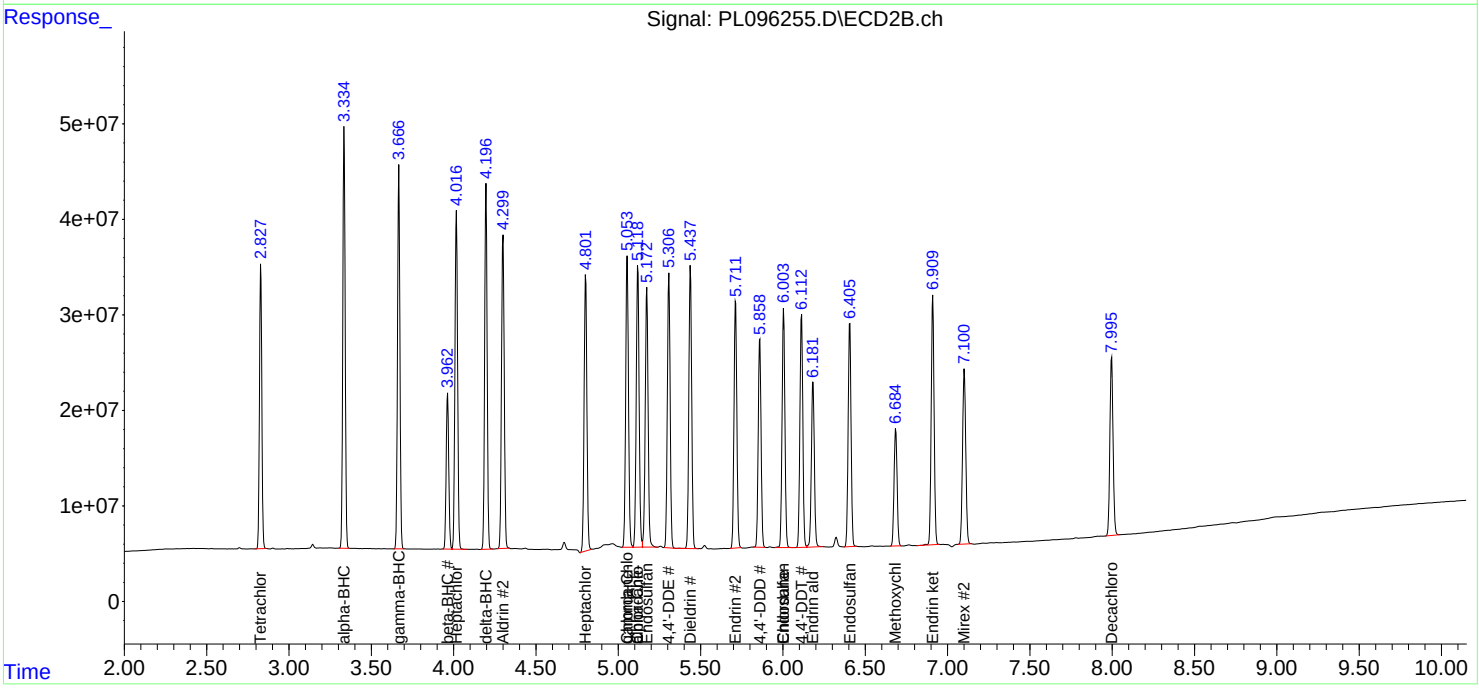
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096255.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 14:19
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

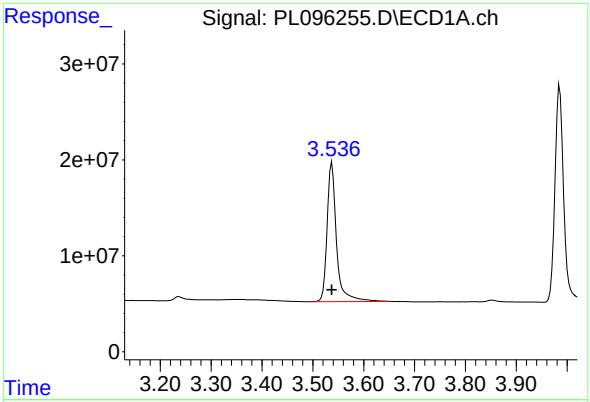
Instrument :
ECD_L
ClientSampleId :
ICVPL070725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 07 15:23:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



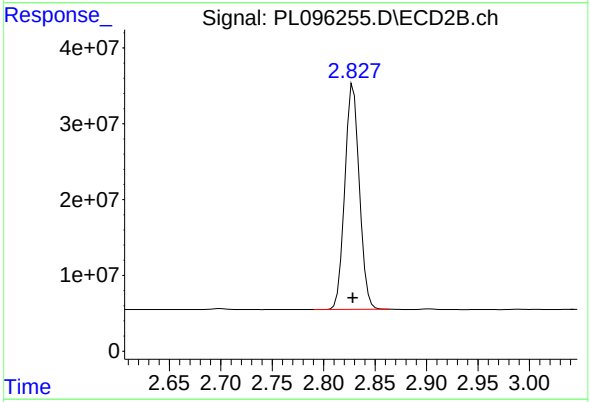




#1 Tetrachloro-m-xylene

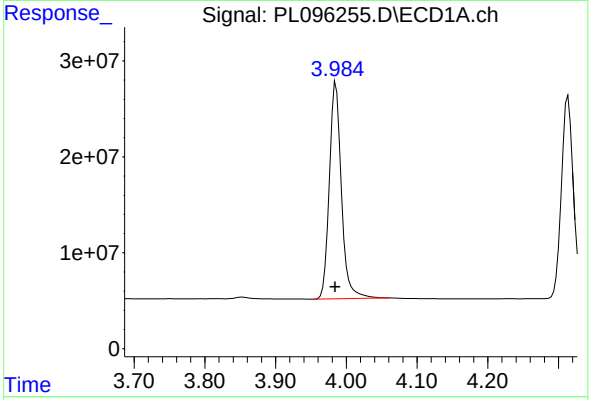
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 186539650
Conc: 51.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



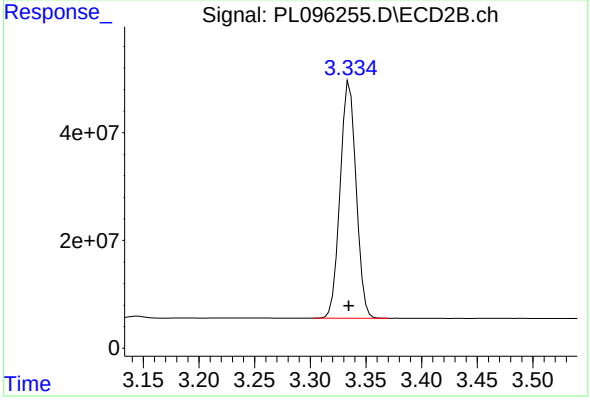
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 292757939
Conc: 50.73 ng/ml



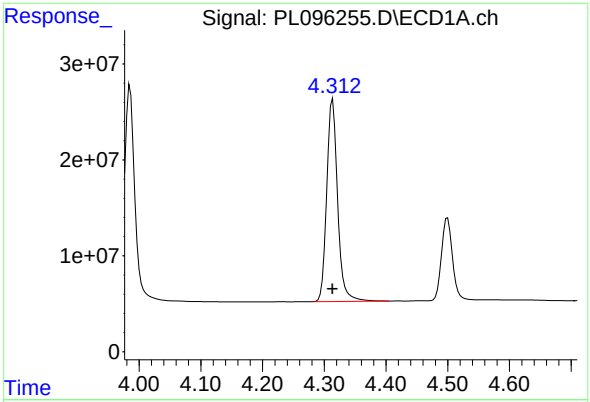
#2 alpha-BHC

R.T.: 3.985 min
Delta R.T.: 0.001 min
Response: 267907777
Conc: 52.09 ng/ml



#2 alpha-BHC

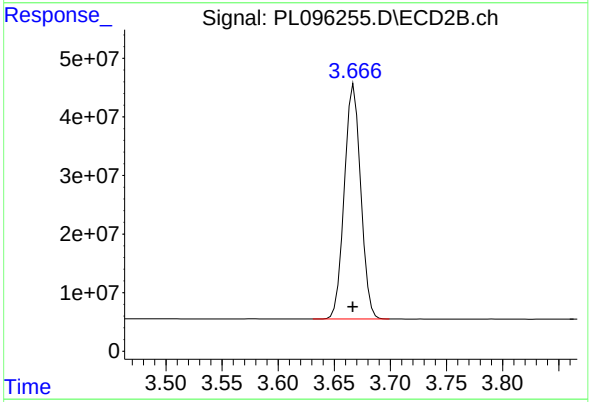
R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 439467282
Conc: 52.10 ng/ml



#3 gamma-BHC (Lindane)

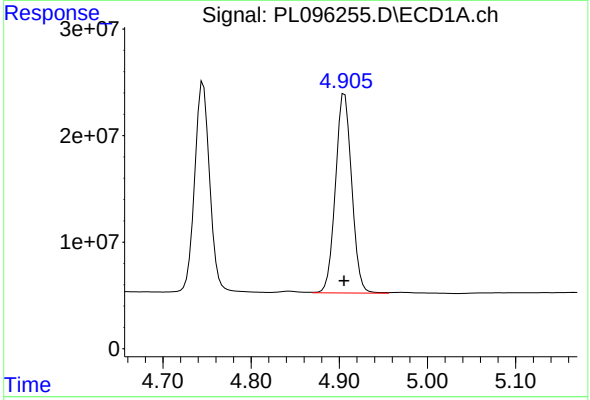
R.T.: 4.314 min
Delta R.T.: 0.000 min
Response: 258204975
Conc: 51.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



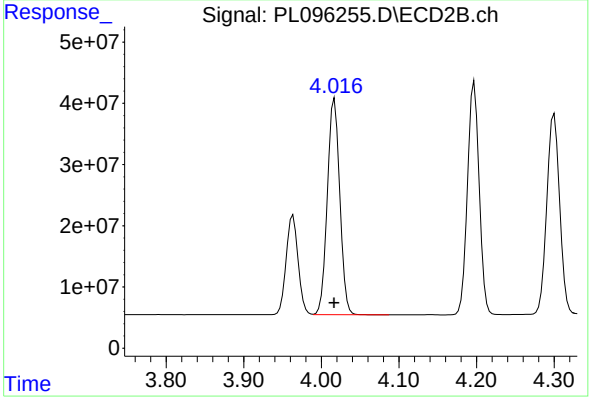
#3 gamma-BHC (Lindane)

R.T.: 3.668 min
Delta R.T.: 0.000 min
Response: 407224231
Conc: 51.71 ng/ml



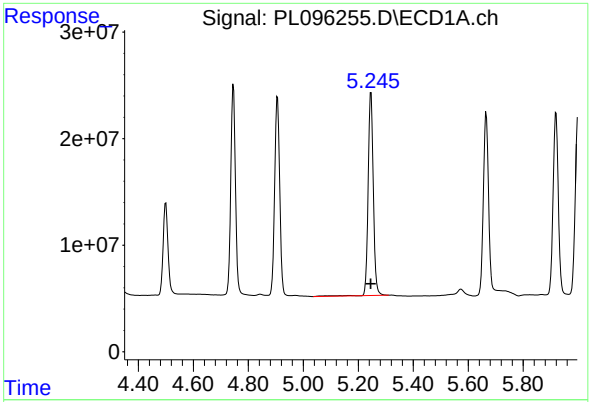
#4 Heptachlor

R.T.: 4.906 min
Delta R.T.: 0.000 min
Response: 239257721
Conc: 52.23 ng/ml



#4 Heptachlor

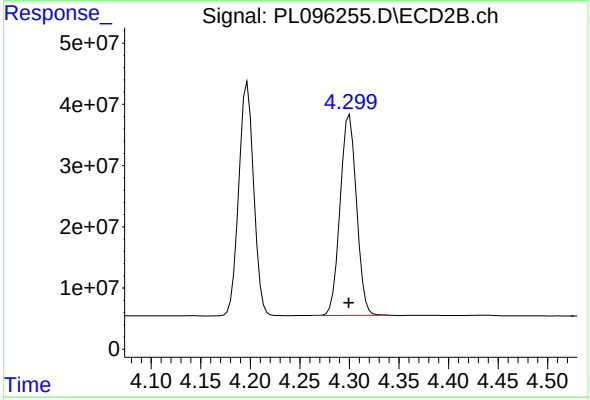
R.T.: 4.017 min
Delta R.T.: 0.000 min
Response: 393645051
Conc: 51.74 ng/ml



#5 Aldrin

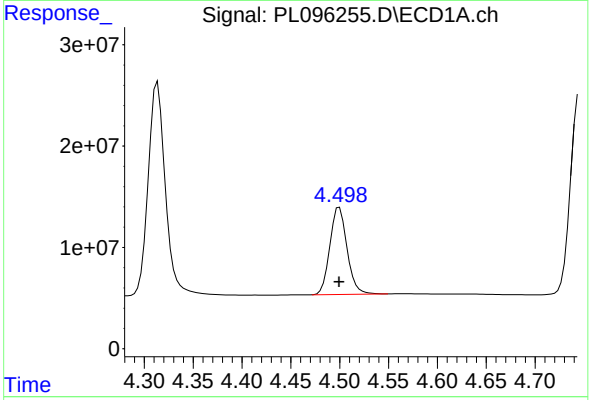
R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 251004503
Conc: 51.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



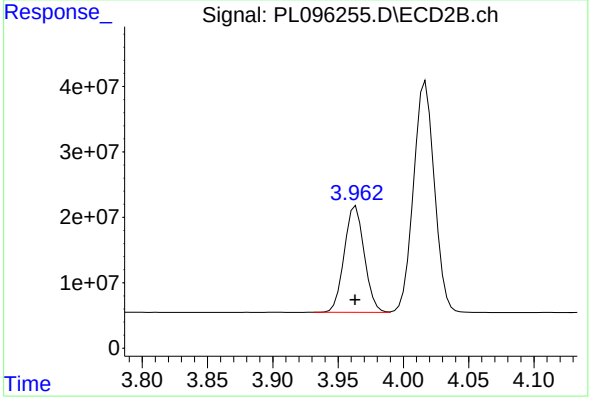
#5 Aldrin

R.T.: 4.300 min
Delta R.T.: 0.000 min
Response: 376963069
Conc: 51.67 ng/ml



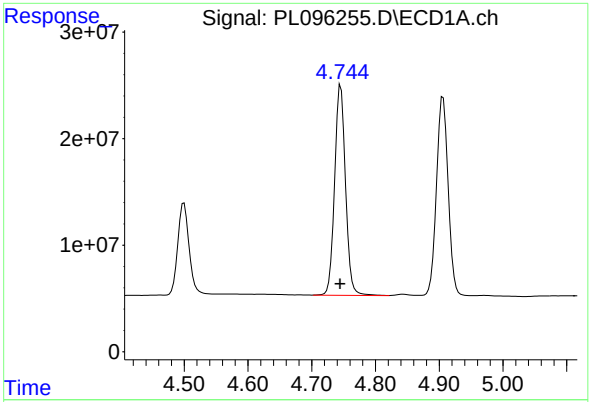
#6 beta-BHC

R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 105585547
Conc: 50.79 ng/ml



#6 beta-BHC

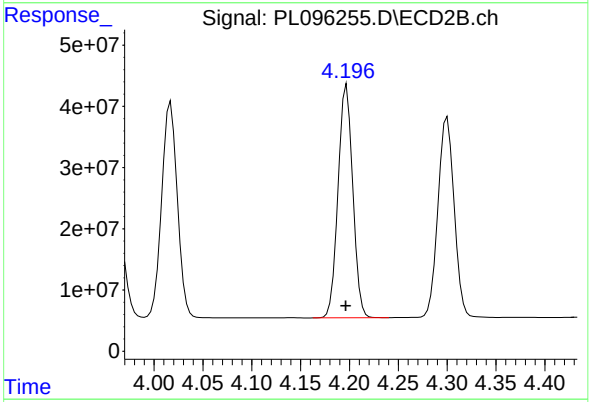
R.T.: 3.964 min
Delta R.T.: 0.000 min
Response: 173338446
Conc: 50.63 ng/ml



#7 delta-BHC

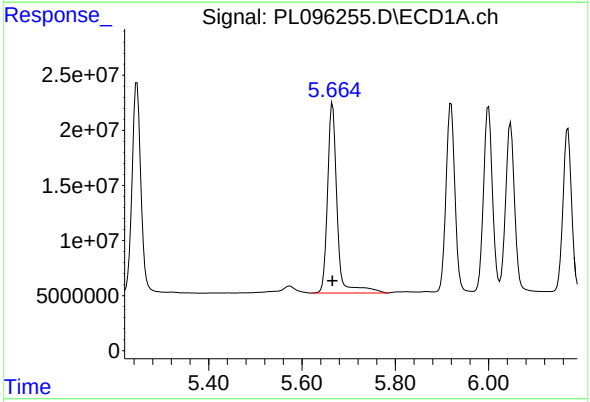
R.T.: 4.746 min
Delta R.T.: 0.000 min
Response: 234667452
Conc: 52.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



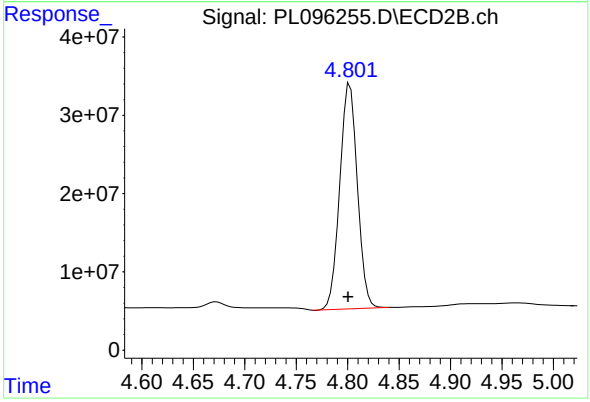
#7 delta-BHC

R.T.: 4.197 min
Delta R.T.: 0.001 min
Response: 398872355
Conc: 51.79 ng/ml



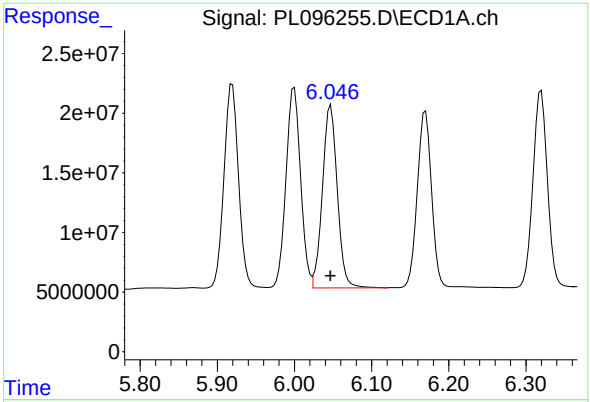
#8 Heptachlor epoxide

R.T.: 5.665 min
Delta R.T.: 0.000 min
Response: 246681583
Conc: 59.45 ng/ml



#8 Heptachlor epoxide

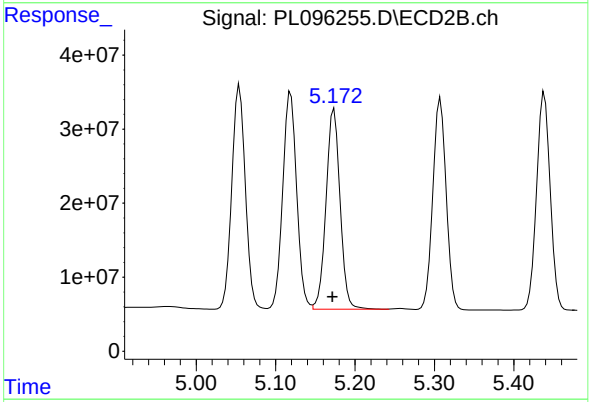
R.T.: 4.802 min
Delta R.T.: 0.002 min
Response: 343231658
Conc: 51.34 ng/ml



#9 Endosulfan I

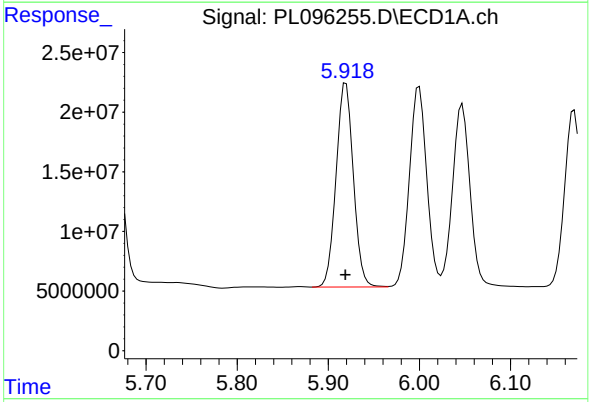
R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 205217213
Conc: 50.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



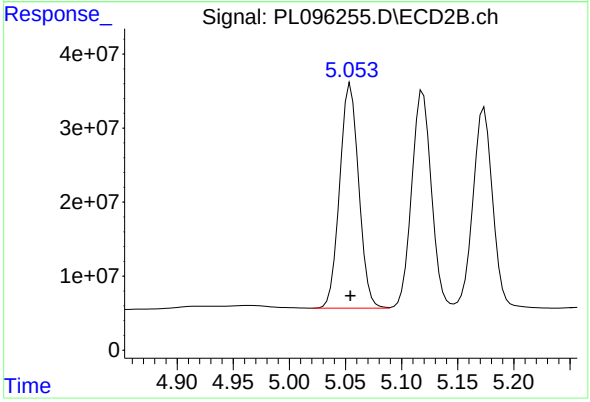
#9 Endosulfan I

R.T.: 5.174 min
Delta R.T.: 0.002 min
Response: 331072403
Conc: 46.15 ng/ml



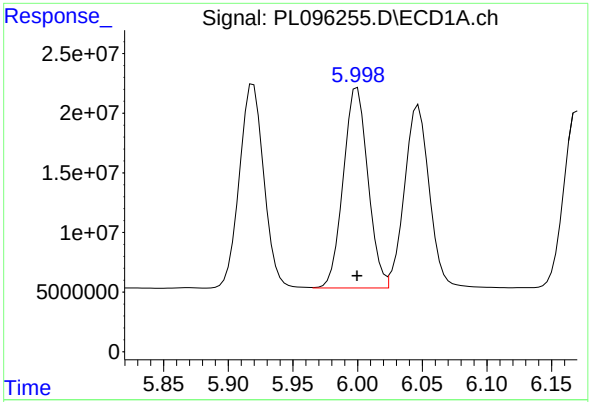
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 225536850
Conc: 50.97 ng/ml



#10 gamma-Chlordane

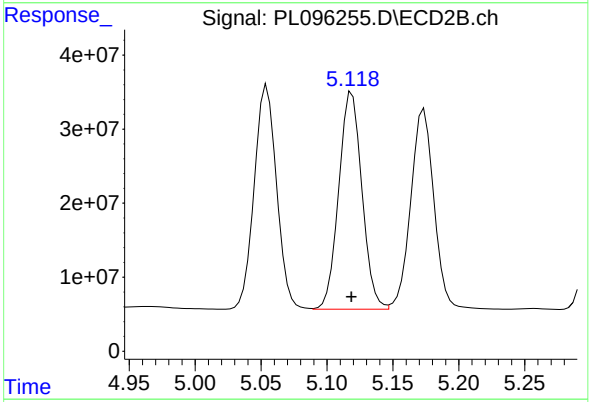
R.T.: 5.055 min
Delta R.T.: 0.000 min
Response: 357720812
Conc: 50.96 ng/ml



#11 alpha-Chlordane

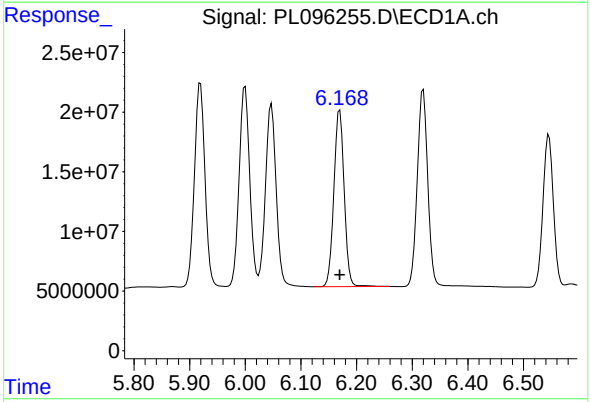
R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 222374257
Conc: 50.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



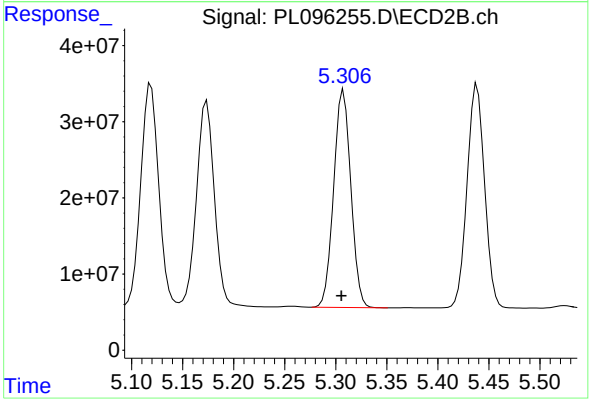
#11 alpha-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 359003046
Conc: 47.74 ng/ml



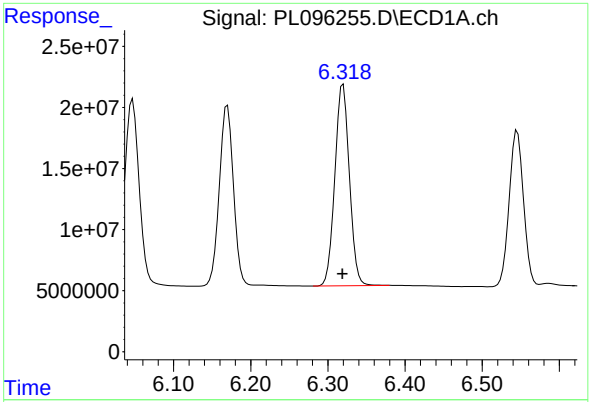
#12 4,4'-DDE

R.T.: 6.170 min
Delta R.T.: 0.000 min
Response: 190603296
Conc: 51.41 ng/ml



#12 4,4'-DDE

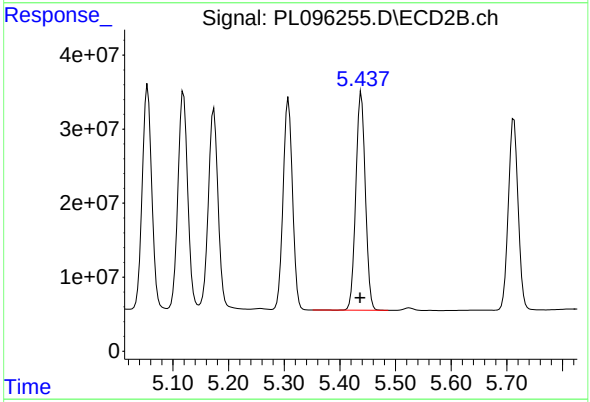
R.T.: 5.308 min
Delta R.T.: 0.002 min
Response: 334423899
Conc: 51.74 ng/ml



#13 Dieldrin

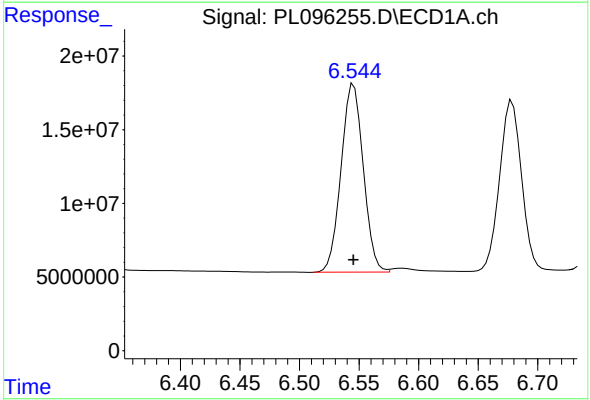
R.T.: 6.320 min
Delta R.T.: 0.000 min
Response: 215943692
Conc: 51.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



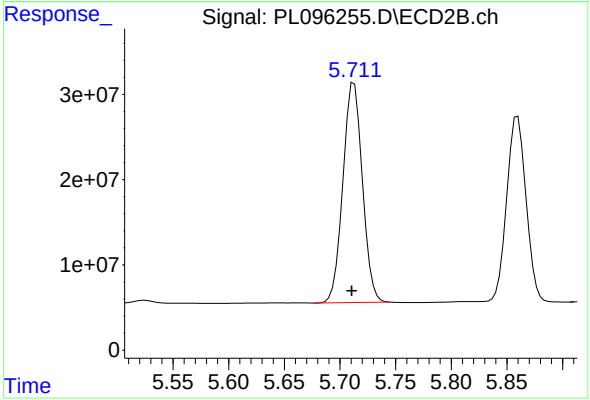
#13 Dieldrin

R.T.: 5.438 min
Delta R.T.: 0.002 min
Response: 351152654
Conc: 51.49 ng/ml



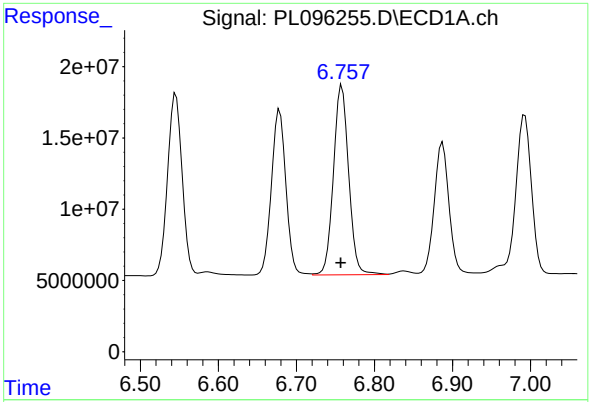
#14 Endrin

R.T.: 6.546 min
Delta R.T.: 0.000 min
Response: 165802977
Conc: 53.31 ng/ml



#14 Endrin

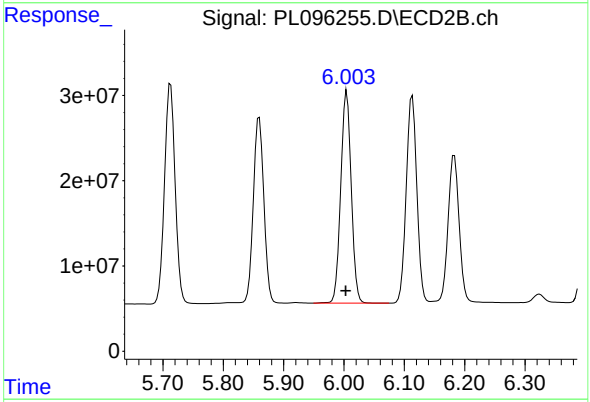
R.T.: 5.713 min
Delta R.T.: 0.002 min
Response: 314221022
Conc: 51.54 ng/ml



#15 Endosulfan II

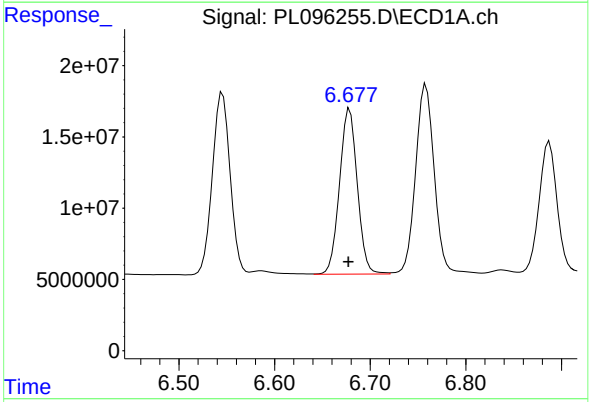
R.T.: 6.758 min
Delta R.T.: 0.001 min
Response: 180601073
Conc: 52.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



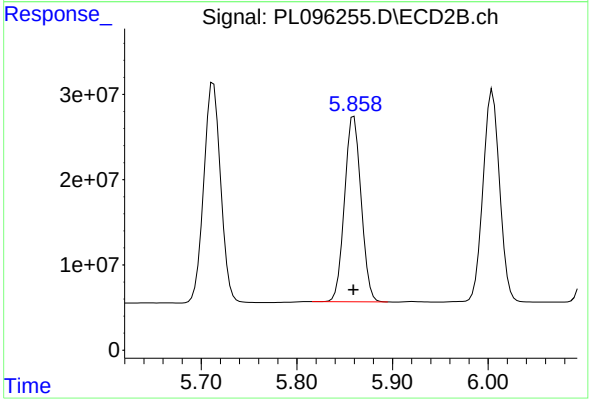
#15 Endosulfan II

R.T.: 6.005 min
Delta R.T.: 0.002 min
Response: 300706964
Conc: 51.28 ng/ml



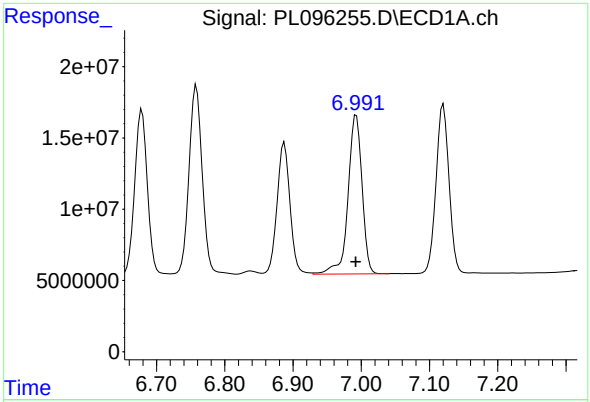
#16 4,4'-DDD

R.T.: 6.679 min
Delta R.T.: 0.001 min
Response: 150504521
Conc: 51.69 ng/ml



#16 4,4'-DDD

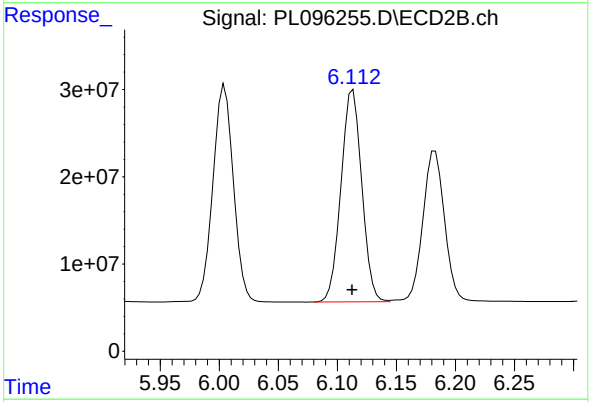
R.T.: 5.860 min
Delta R.T.: 0.000 min
Response: 262873762
Conc: 51.26 ng/ml



#17 4,4'-DDT

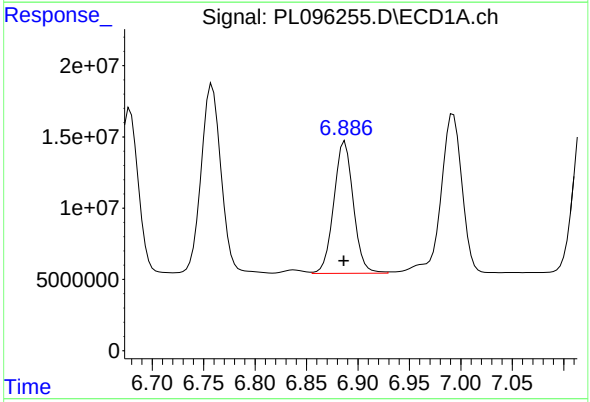
R.T.: 6.993 min
Delta R.T.: 0.000 min
Response: 158743261
Conc: 52.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



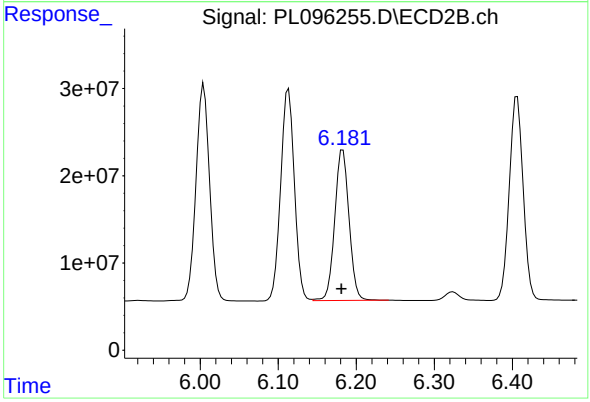
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 297635340
Conc: 51.90 ng/ml



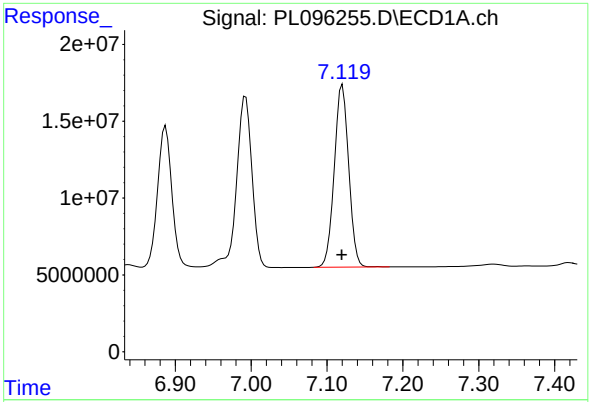
#18 Endrin aldehyde

R.T.: 6.887 min
Delta R.T.: 0.000 min
Response: 121960834
Conc: 54.56 ng/ml



#18 Endrin aldehyde

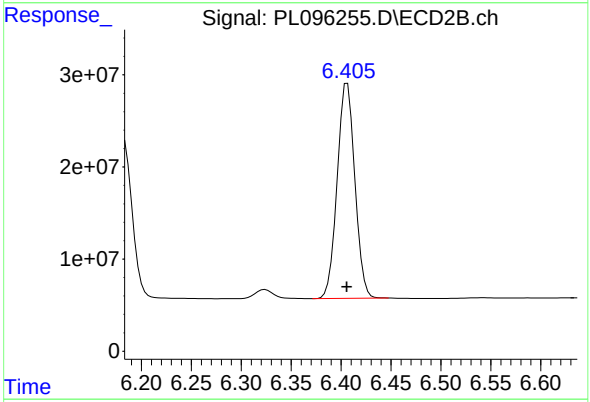
R.T.: 6.183 min
Delta R.T.: 0.002 min
Response: 220207892
Conc: 49.43 ng/ml



#19 Endosulfan Sulfate

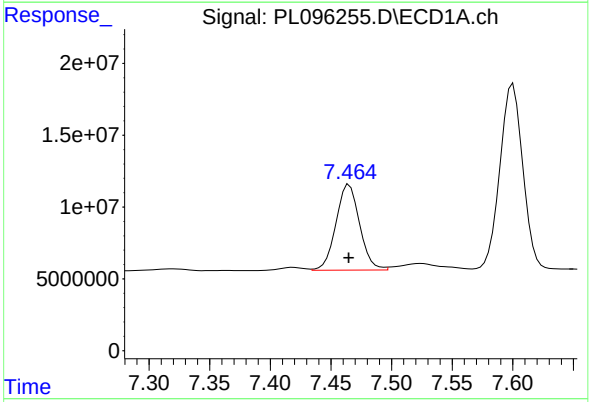
R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 156791775
Conc: 51.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



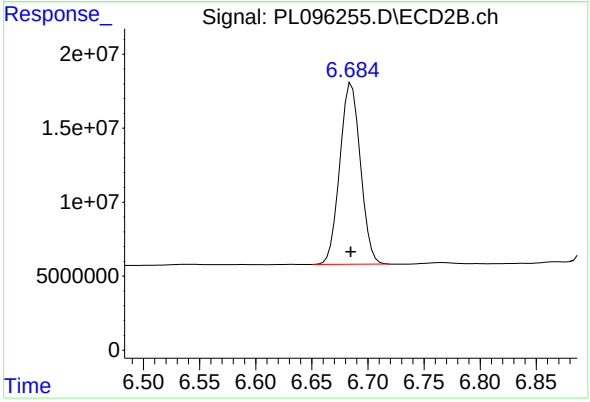
#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 287849227
Conc: 51.18 ng/ml



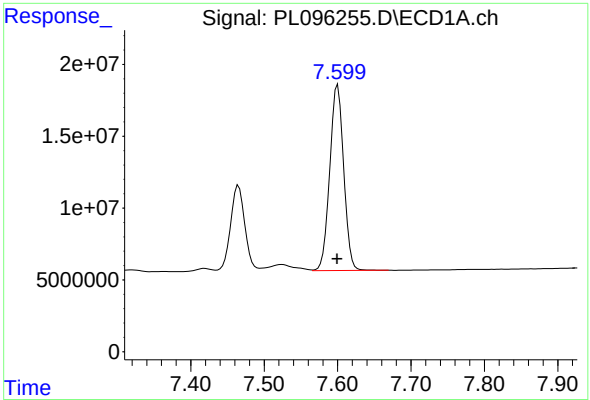
#20 Methoxychlor

R.T.: 7.465 min
Delta R.T.: 0.000 min
Response: 80931127
Conc: 51.37 ng/ml



#20 Methoxychlor

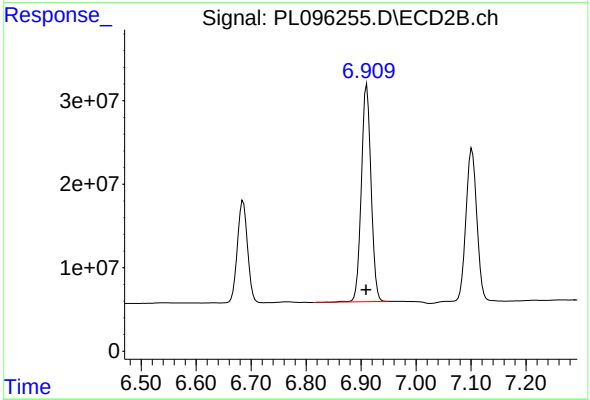
R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 156466302
Conc: 51.51 ng/ml



#21 Endrin ketone

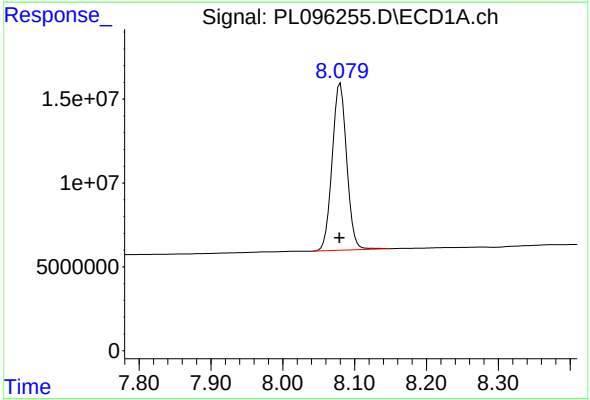
R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 170609060
Conc: 51.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



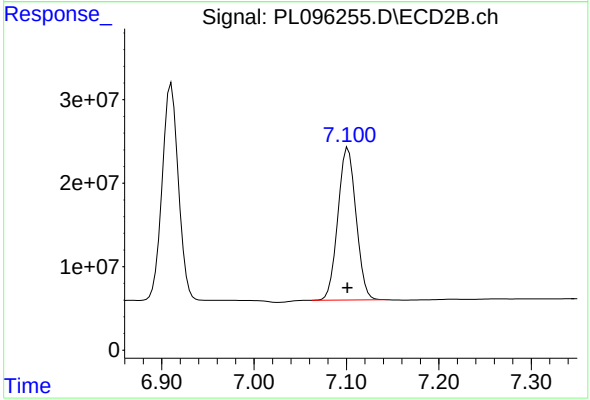
#21 Endrin ketone

R.T.: 6.911 min
Delta R.T.: 0.002 min
Response: 319242361
Conc: 51.06 ng/ml



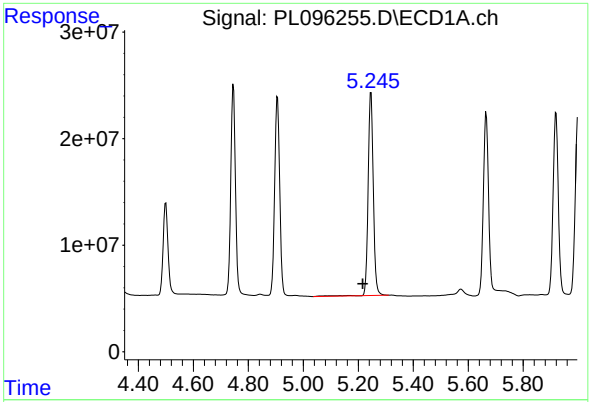
#22 Mirex

R.T.: 8.080 min
Delta R.T.: 0.002 min
Response: 139758073
Conc: 50.23 ng/ml



#22 Mirex

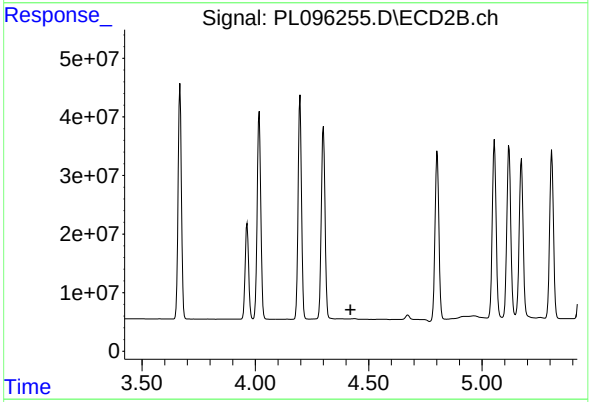
R.T.: 7.102 min
Delta R.T.: 0.000 min
Response: 249239419
Conc: 50.17 ng/ml



#24 Chlordane-2

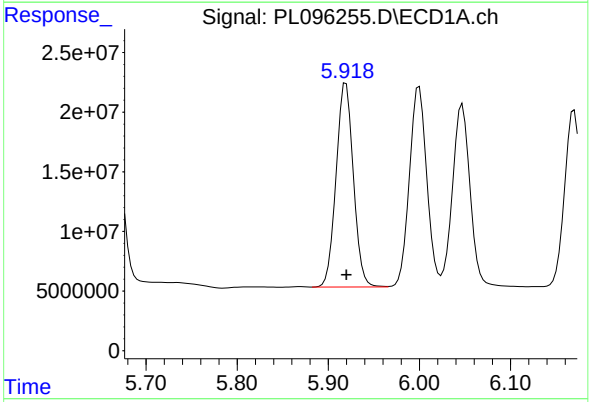
R.T.: 5.246 min
Delta R.T.: 0.029 min
Response: 251004503
Conc: 1282.07 ng/m

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



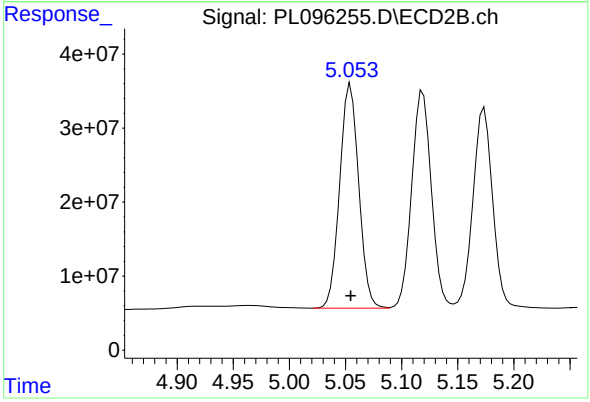
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.420 min
Response: 0
Conc: N.D.



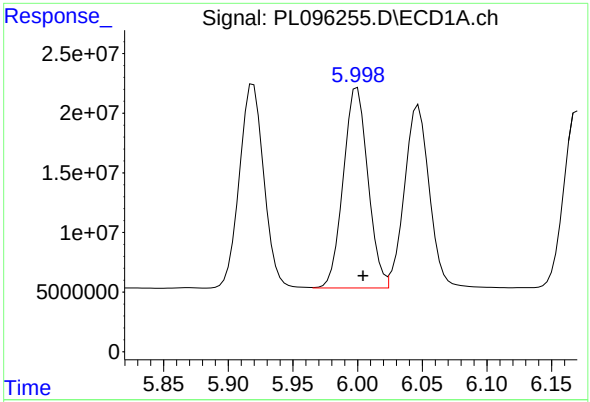
#25 Chlordane-3

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 225536850
Conc: 306.12 ng/ml



#25 Chlordane-3

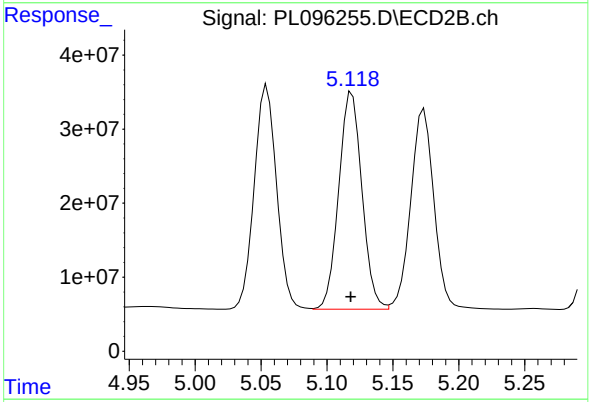
R.T.: 5.055 min
Delta R.T.: 0.000 min
Response: 357720812
Conc: 444.63 ng/ml



#26 Chlordane-4

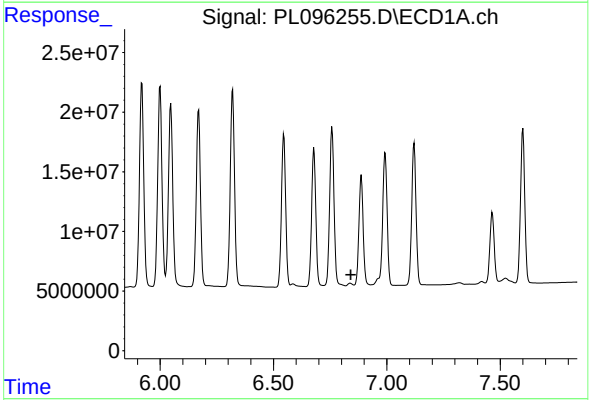
R.T.: 6.000 min
Delta R.T.: -0.004 min
Response: 222374257
Conc: 247.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



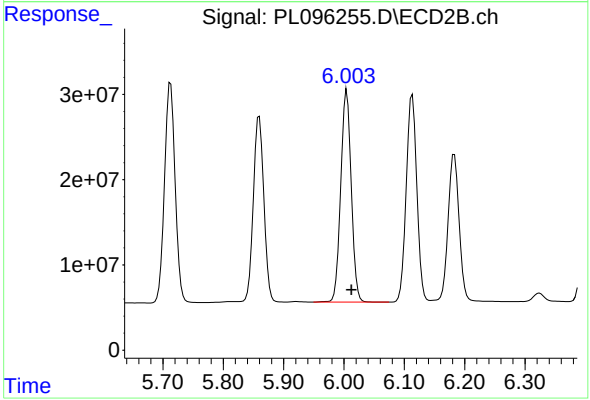
#26 Chlordane-4

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 359003046
Conc: 477.76 ng/ml



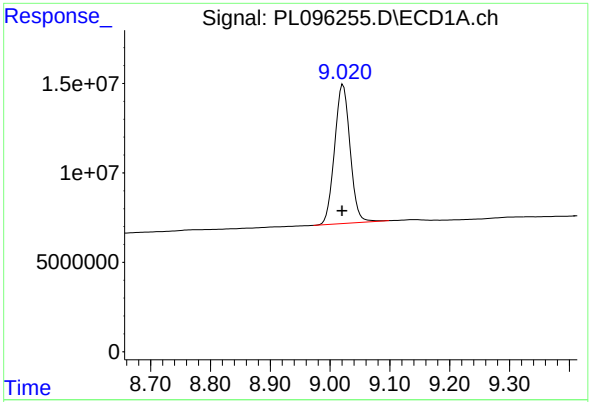
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.841 min
Response: 0
Conc: N.D.



#27 Chlordane-5

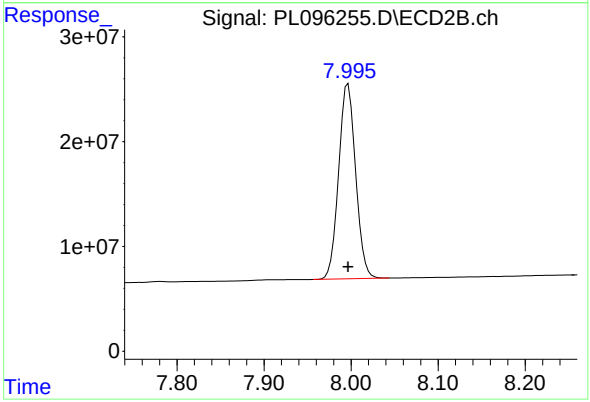
R.T.: 6.005 min
Delta R.T.: -0.008 min
Response: 300706964
Conc: 1060.88 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.022 min
Delta R.T.: 0.002 min
Response: 140644352
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



#28 Decachlorobiphenyl

R.T.: 7.997 min
Delta R.T.: 0.000 min
Response: 252544515
Conc: 50.65 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096480.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:30
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: Jul 22 01:43:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.825	77296470	130.4E6	21.183	22.600	
28)	SA Decachlor...	9.024	7.994	59986402	111.7E6	21.324	22.402	
	Target Compounds							
2)	A alpha-BHC	3.983	3.331	56123842	94071420	10.912	11.153	
3)	MA gamma-BHC...	4.312	3.663	53569568	89058605	10.758	11.308	
5)	MB Aldrin	5.274f	0.000	22131951	0	4.579	N.D.	#
6)	B beta-BHC	4.498	3.959	23771543	40537724	11.435	11.840	
14)	MA Endrin	6.546	5.709	178.3E6	340.1E6	57.314	55.782	
16)	A 4,4'-DDD	6.679	5.857	20981587	25664408	7.206	5.004	#
17)	MA 4,4'-DDT	6.994	6.110	311.2E6	639.8E6	102.514	111.558	
18)	B Endrin al...	0.000	6.181	0	10054251	N.D.	2.257	#
20)	A Methoxychlor	7.467	6.683	384.7E6	713.7E6	244.179	234.935	
21)	B Endrin ke...	7.602	6.907	9683418	29152782	2.933	4.663	#

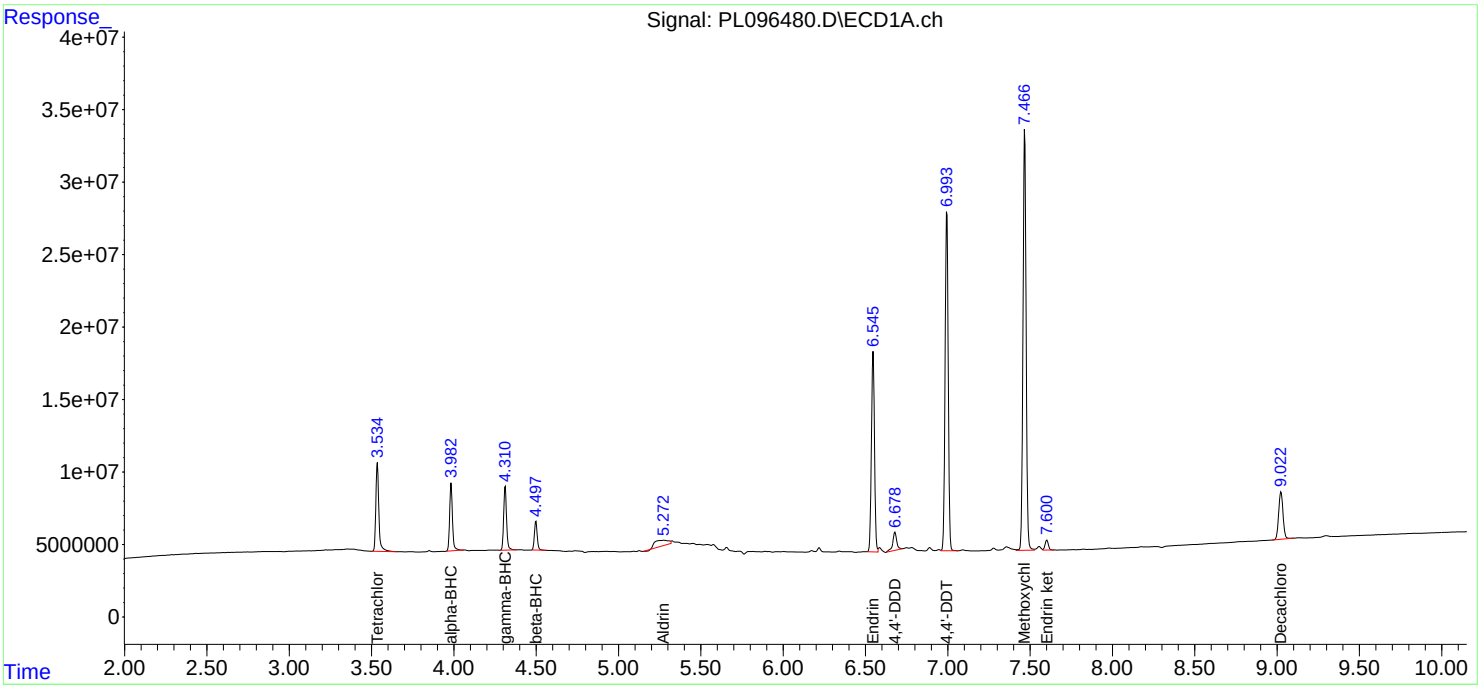
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

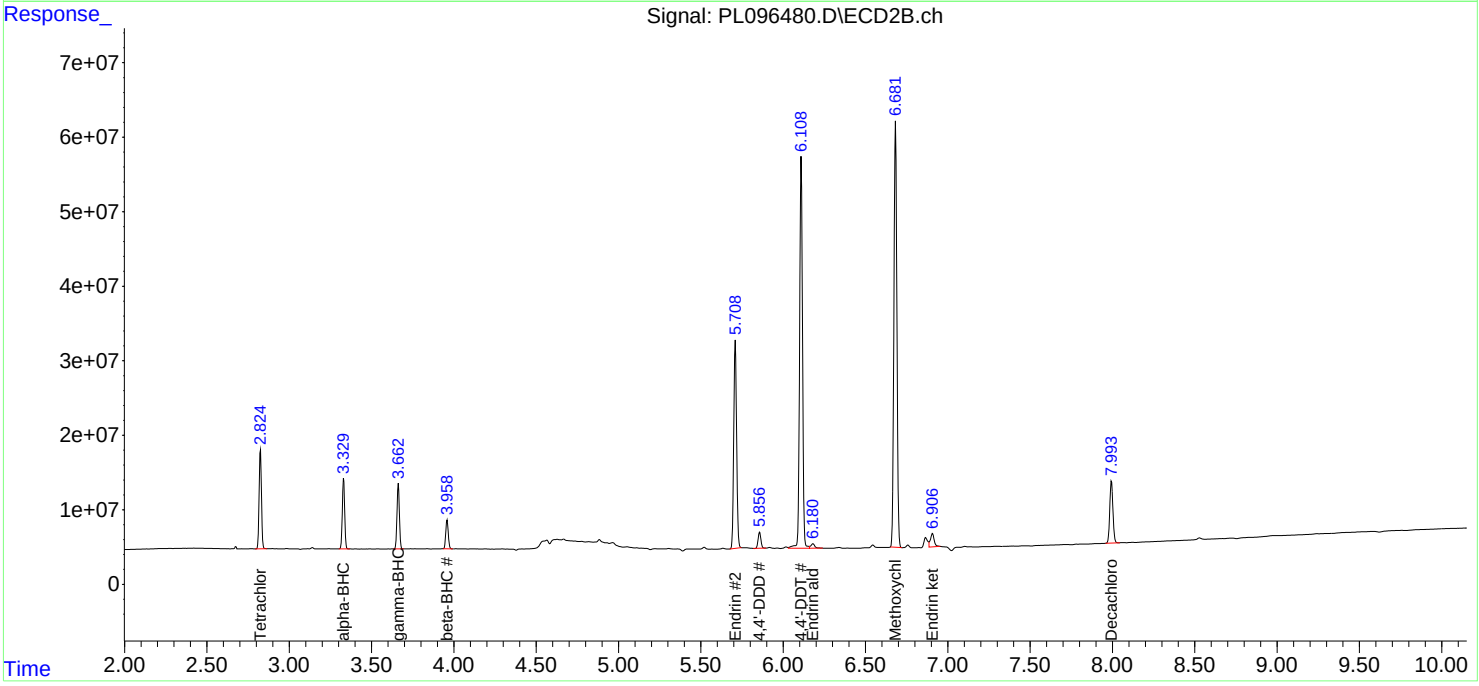
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096480.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:30
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

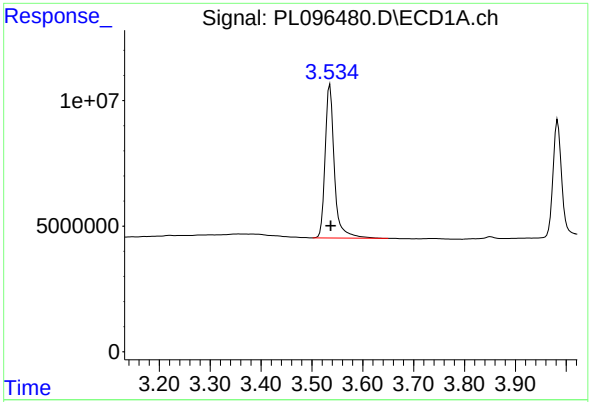
Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:43:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



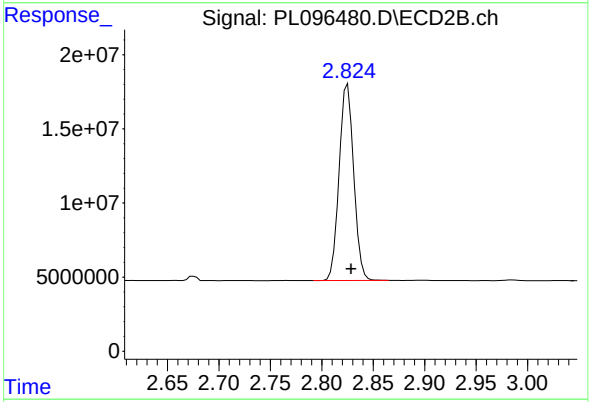




#1 Tetrachloro-m-xylene

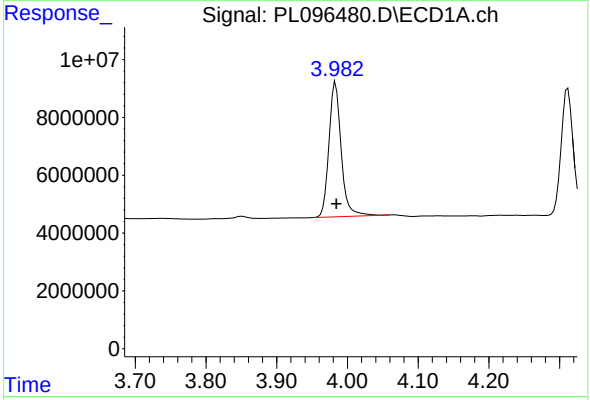
R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 77296470
Conc: 21.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



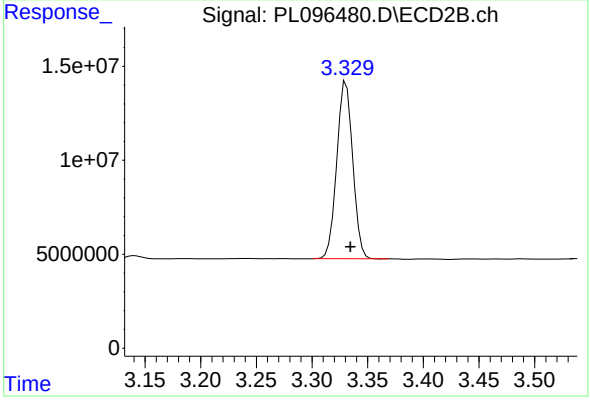
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 130429757
Conc: 22.60 ng/ml



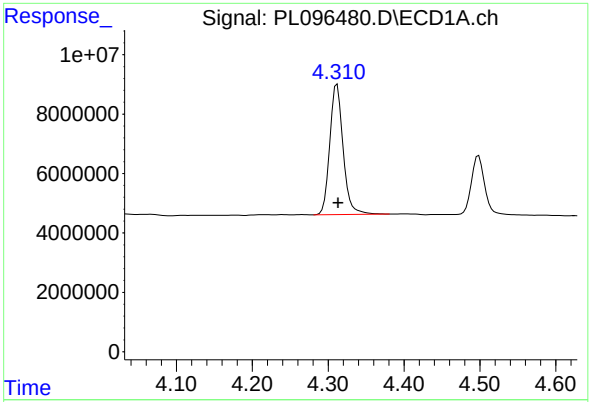
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: -0.001 min
Response: 56123842
Conc: 10.91 ng/ml



#2 alpha-BHC

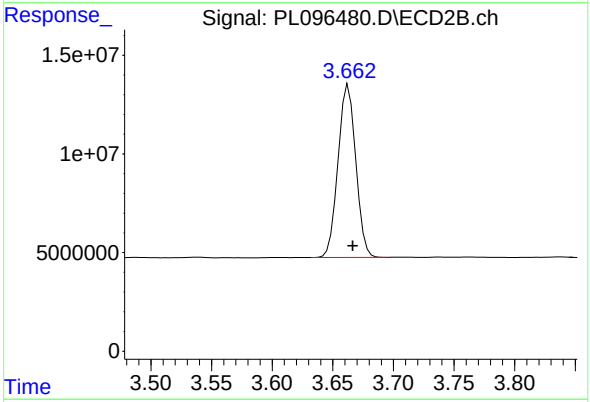
R.T.: 3.331 min
Delta R.T.: -0.004 min
Response: 94071420
Conc: 11.15 ng/ml



#3 gamma-BHC (Lindane)

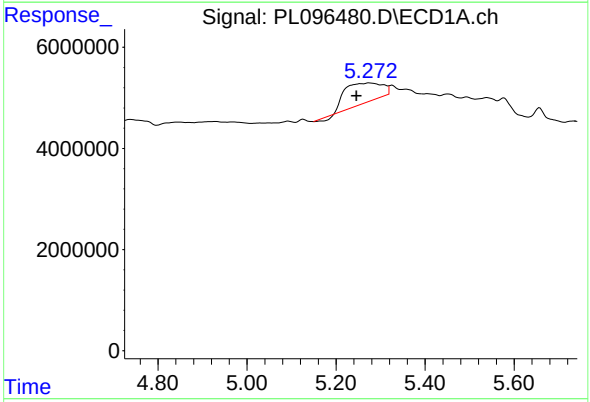
R.T.: 4.312 min
Delta R.T.: -0.001 min
Response: 53569568
Conc: 10.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



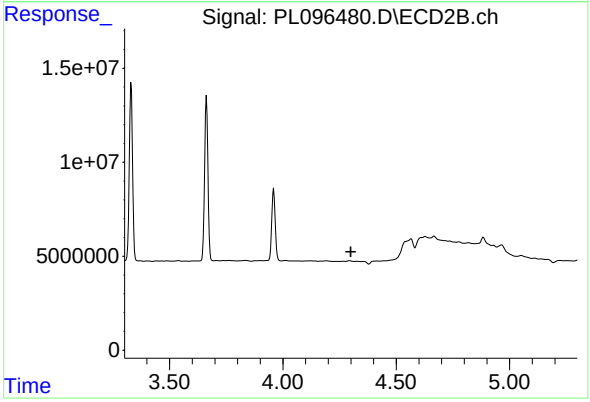
#3 gamma-BHC (Lindane)

R.T.: 3.663 min
Delta R.T.: -0.004 min
Response: 89058605
Conc: 11.31 ng/ml



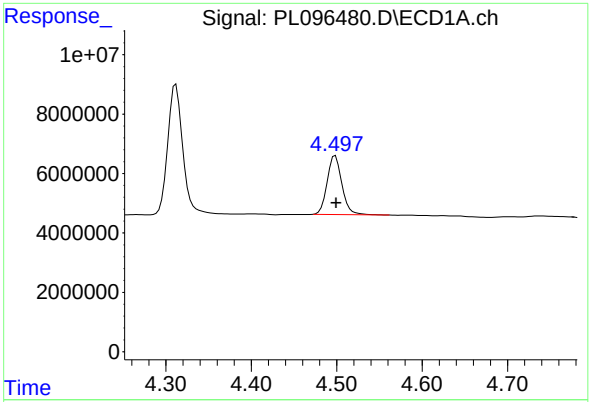
#5 Aldrin

R.T.: 5.274 min
Delta R.T.: 0.028 min
Response: 22131951
Conc: 4.58 ng/ml



#5 Aldrin

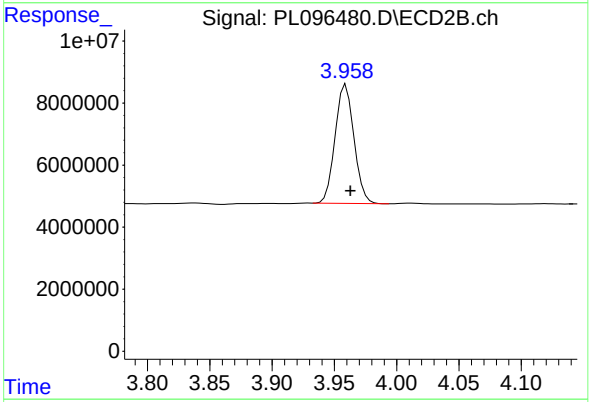
R.T.: 0.000 min
Exp R.T. : 4.299 min
Response: 0
Conc: N.D.



#6 beta-BHC

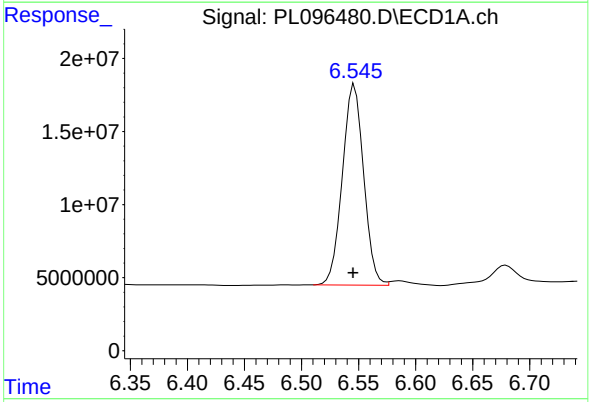
R.T.: 4.498 min
Delta R.T.: -0.001 min
Response: 23771543
Conc: 11.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



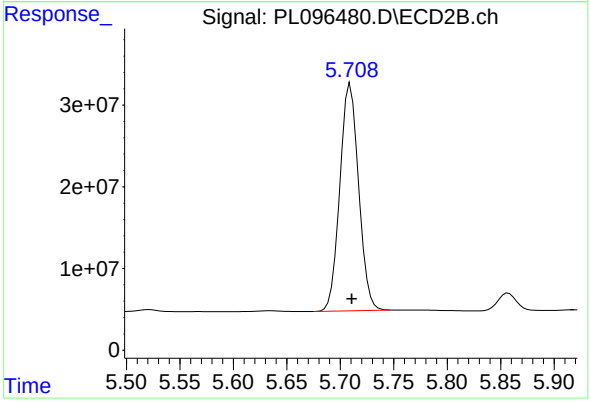
#6 beta-BHC

R.T.: 3.959 min
Delta R.T.: -0.004 min
Response: 40537724
Conc: 11.84 ng/ml



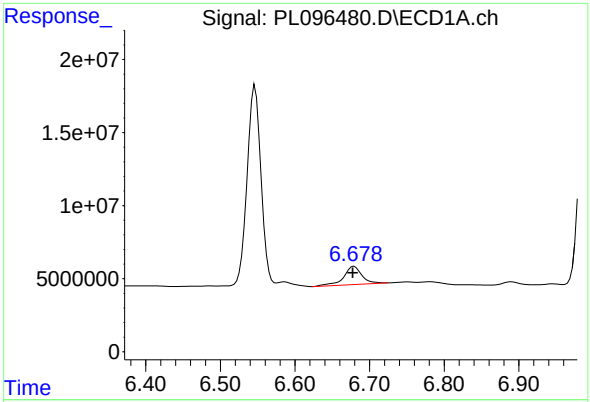
#14 Endrin

R.T.: 6.546 min
Delta R.T.: 0.001 min
Response: 178258492
Conc: 57.31 ng/ml



#14 Endrin

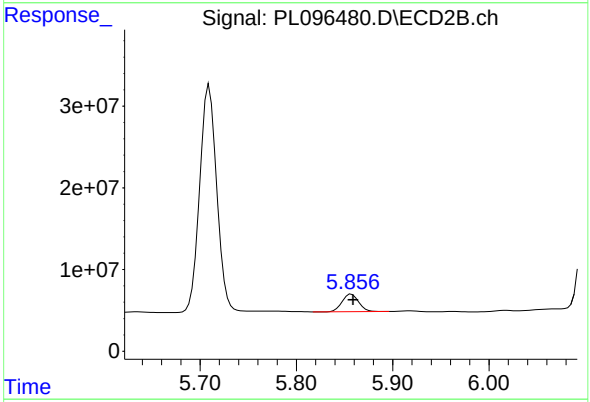
R.T.: 5.709 min
Delta R.T.: -0.001 min
Response: 340072131
Conc: 55.78 ng/ml



#16 4,4'-DDD

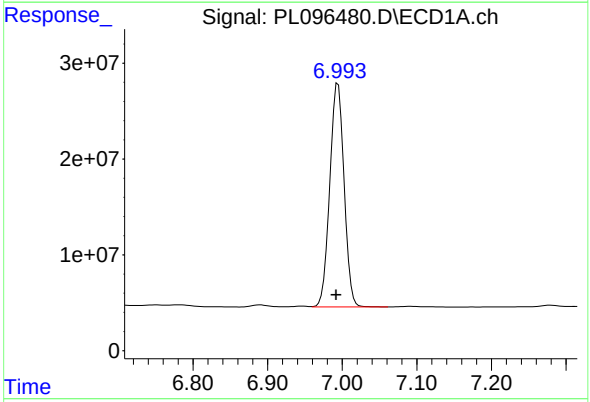
R.T.: 6.679 min
Delta R.T.: 0.002 min
Response: 20981587
Conc: 7.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



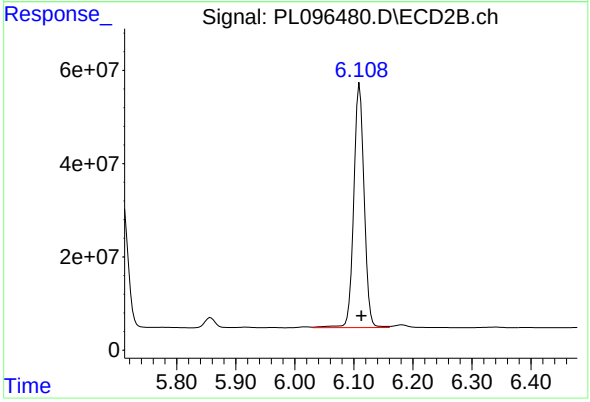
#16 4,4'-DDD

R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 25664408
Conc: 5.00 ng/ml



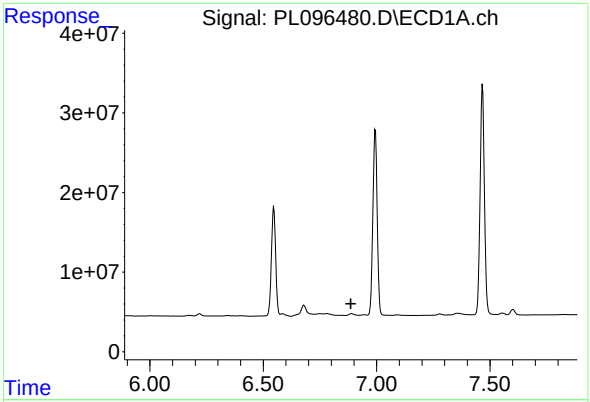
#17 4,4'-DDT

R.T.: 6.994 min
Delta R.T.: 0.003 min
Response: 311151793
Conc: 102.51 ng/ml



#17 4,4'-DDT

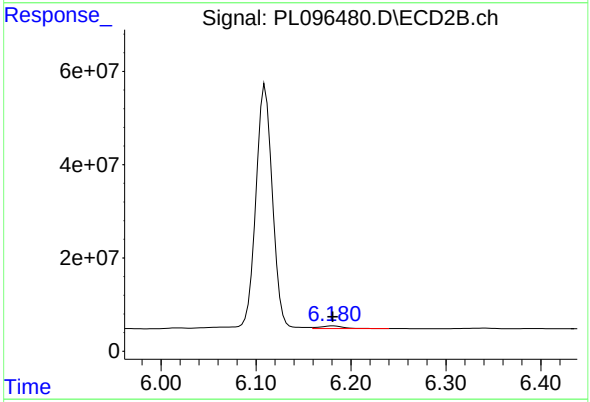
R.T.: 6.110 min
Delta R.T.: -0.003 min
Response: 639800180
Conc: 111.56 ng/ml



#18 Endrin aldehyde

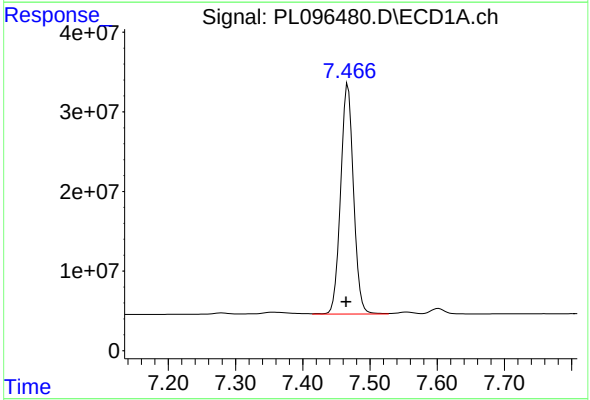
R.T.: 0.000 min
Exp R.T. : 6.886 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



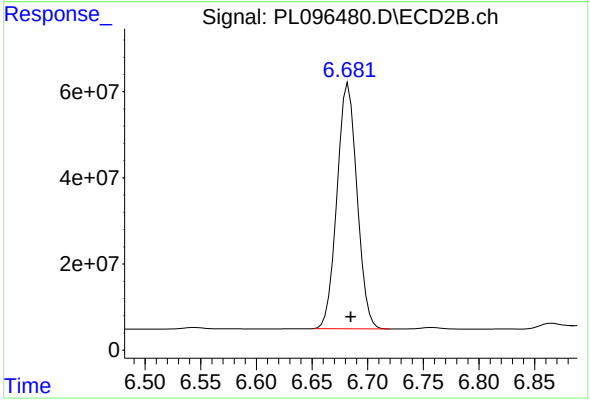
#18 Endrin aldehyde

R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 10054251
Conc: 2.26 ng/ml



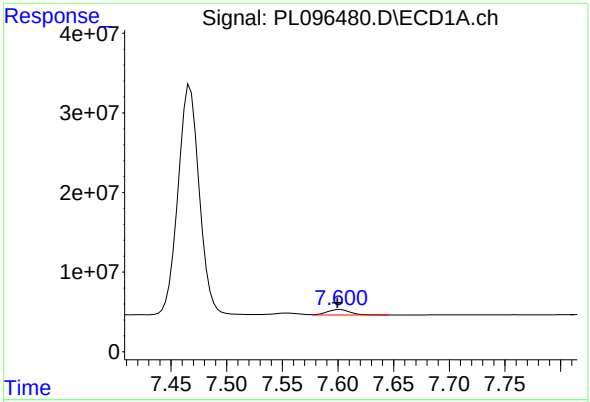
#20 Methoxychlor

R.T.: 7.467 min
Delta R.T.: 0.003 min
Response: 384679098
Conc: 244.18 ng/ml



#20 Methoxychlor

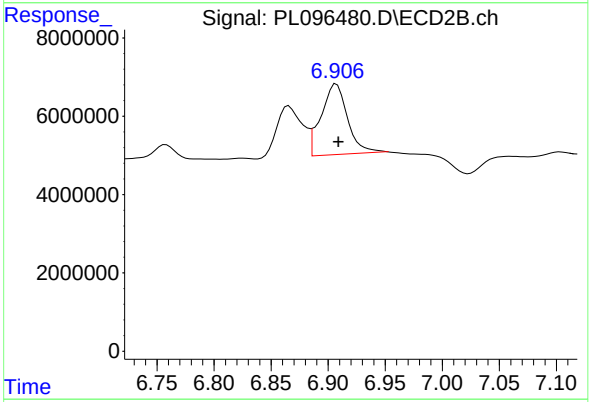
R.T.: 6.683 min
Delta R.T.: -0.002 min
Response: 713678352
Conc: 234.93 ng/ml



#21 Endrin ketone

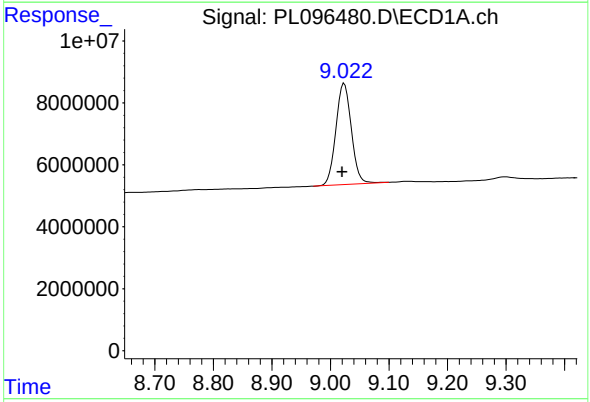
R.T.: 7.602 min
Delta R.T.: 0.002 min
Response: 9683418
Conc: 2.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



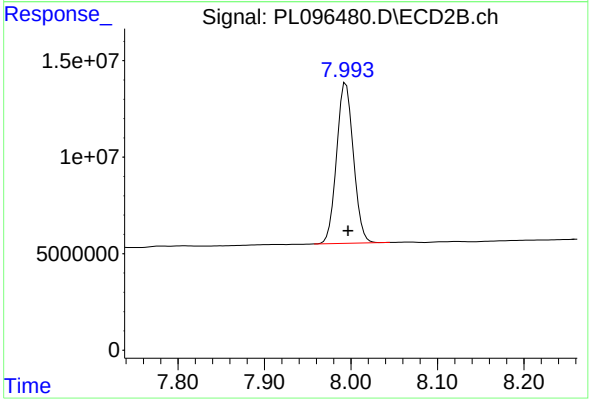
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: -0.002 min
Response: 29152782
Conc: 4.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.024 min
Delta R.T.: 0.004 min
Response: 59986402
Conc: 21.32 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.002 min
Response: 111706574
Conc: 22.40 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096481.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:44
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: Jul 22 01:43:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.828	195.5E6	327.4E6	53.580	56.732	
28)	SA Decachlor...	9.019	7.994	138.5E6	257.4E6	49.243	51.623	
	Target Compounds							
2)	A alpha-BHC	3.983	3.333	283.4E6	491.3E6	55.094	58.248	
3)	MA gamma-BHC...	4.312	3.665	270.3E6	452.3E6	54.277	57.430	
4)	MA Heptachlor	4.905	4.014	248.1E6	427.0E6	54.153	56.123	
5)	MB Aldrin	5.244	4.297	256.7E6	415.6E6	53.102	56.964	
6)	B beta-BHC	4.498	3.961	114.3E6	191.1E6	54.981	55.822	
7)	B delta-BHC	4.745	4.194	251.1E6	440.8E6	56.040	57.229	
8)	B Heptachlo...	5.664	4.799	248.0E6	371.6E6	59.778	55.584	
9)	A Endosulfan I	6.046	5.170	214.5E6	340.8E6	53.128	47.509	
10)	B gamma-Chl...	5.918	5.051	242.2E6	391.6E6	54.732	55.792	
11)	B alpha-Chl...	5.998	5.116	234.1E6	381.5E6	53.469	50.731	
12)	B 4,4'-DDE	6.168	5.305	192.9E6	360.0E6	52.020	55.689	
13)	MA Dieldrin	6.318	5.436	221.5E6	380.0E6	52.376	55.721	
14)	MA Endrin	6.545	5.710	170.0E6	325.9E6	54.664	53.463	
15)	B Endosulfa...	6.757	6.001	200.1E6	323.7E6	57.672	55.207	
16)	A 4,4'-DDD	6.677	5.857	167.0E6	304.2E6	57.367	59.309	
17)	MA 4,4'-DDT	6.992	6.110	160.1E6	297.4E6	52.761	51.858	
18)	B Endrin al...	6.886	6.180	137.8E6	241.7E6	61.638	54.263	
19)	B Endosulfa...	7.120	6.404	161.9E6	316.4E6	52.942	56.248	
20)	A Methoxychlor	7.465	6.682	78916887	155.7E6	50.093	51.238	
21)	B Endrin ke...	7.599	6.908	172.2E6	352.1E6	52.169	56.318	
22)	Mirex	8.079	7.099	140.9E6	262.8E6	50.647	52.894	
24)	Chlordane-2	5.244f	0.000	256.7E6	0	1311.066	N.D.	#
25)	Chlordane-3	5.918	5.051	242.2E6	391.6E6	328.712	486.792	#
26)	Chlordane-4	5.998	5.116	234.1E6	381.5E6	260.953	507.713	#
27)	Chlordane-5	0.000	6.001	0	323.7E6	N.D.	1142.097	#

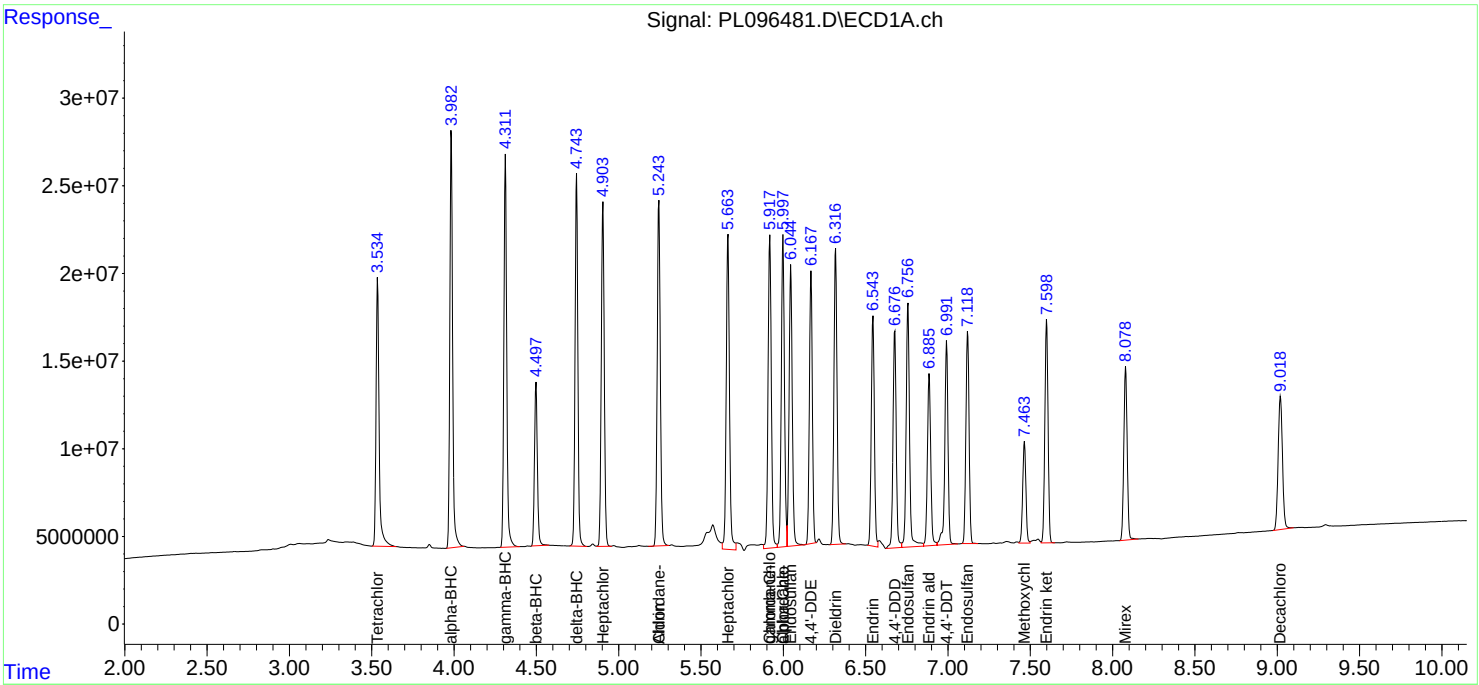
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

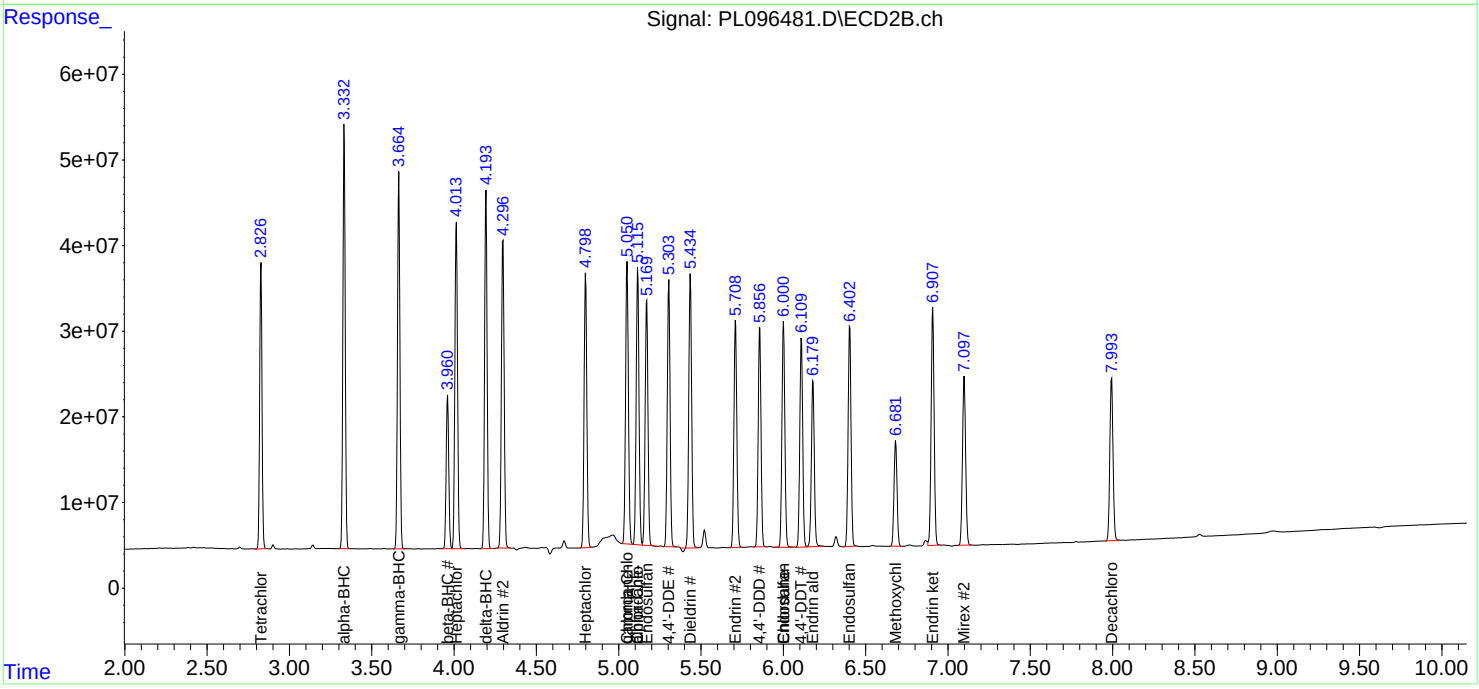
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096481.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:44
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

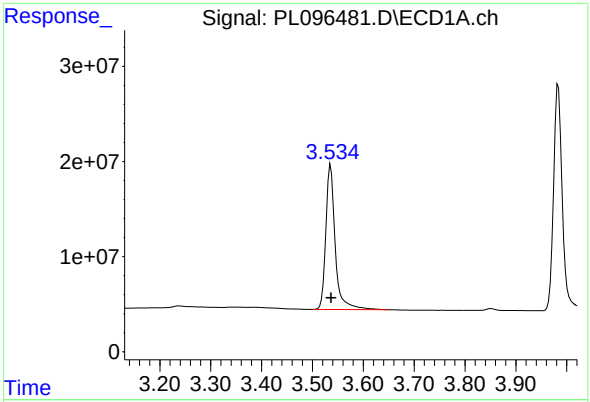
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:43:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



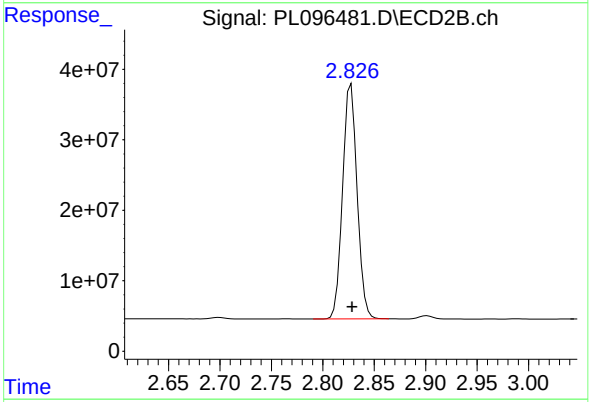




#1 Tetrachloro-m-xylene

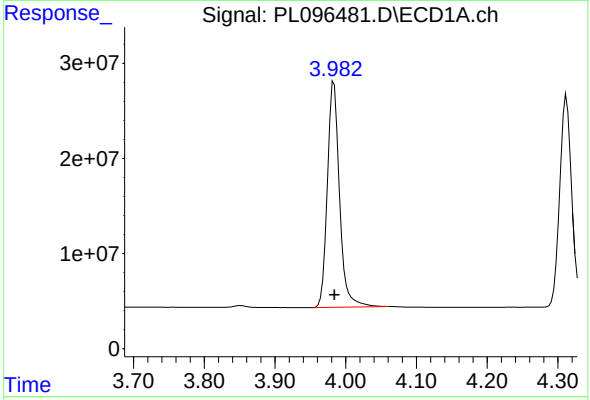
R.T.: 3.536 min
Delta R.T.: -0.001 min
Response: 195513760
Conc: 53.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



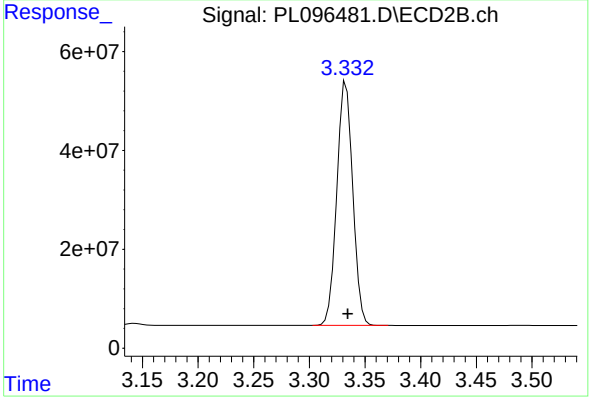
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 327412617
Conc: 56.73 ng/ml



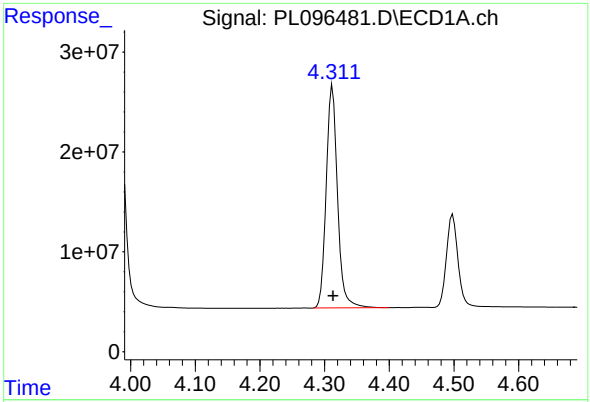
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 283356427
Conc: 55.09 ng/ml



#2 alpha-BHC

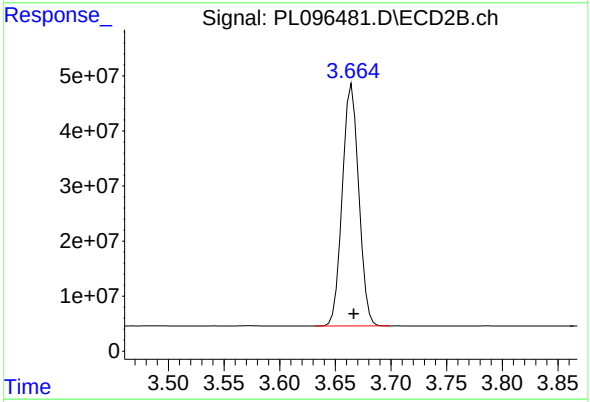
R.T.: 3.333 min
Delta R.T.: -0.001 min
Response: 491281508
Conc: 58.25 ng/ml



#3 gamma-BHC (Lindane)

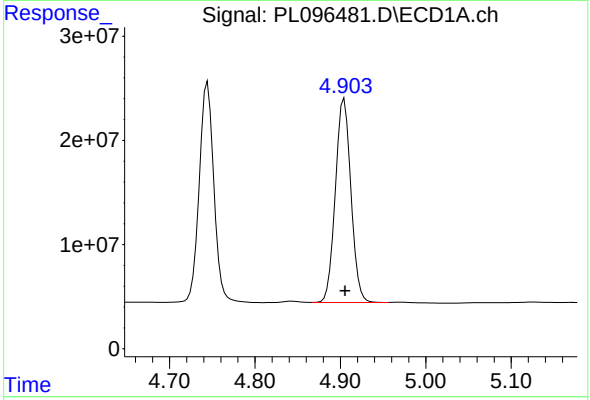
R.T.: 4.312 min
Delta R.T.: 0.000 min
Response: 270280418
Conc: 54.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



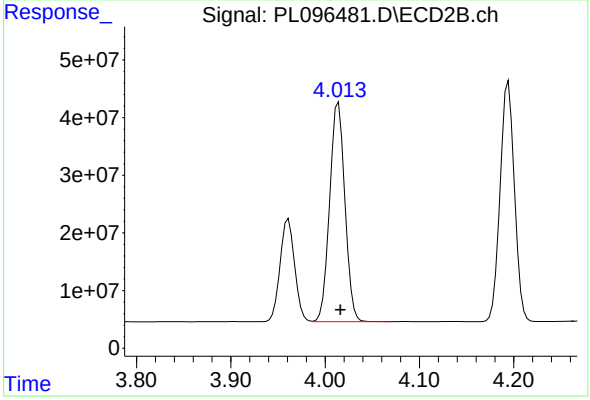
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: -0.002 min
Response: 452314672
Conc: 57.43 ng/ml



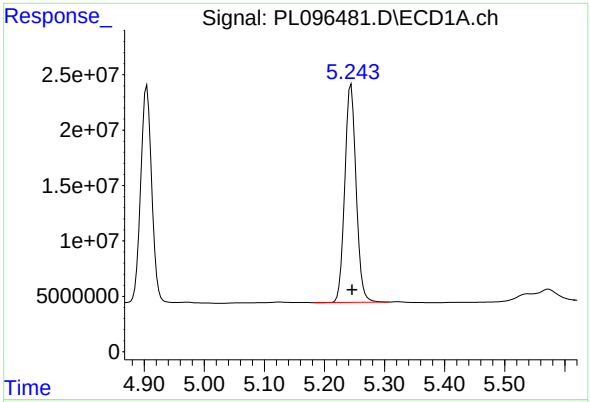
#4 Heptachlor

R.T.: 4.905 min
Delta R.T.: 0.000 min
Response: 248085203
Conc: 54.15 ng/ml



#4 Heptachlor

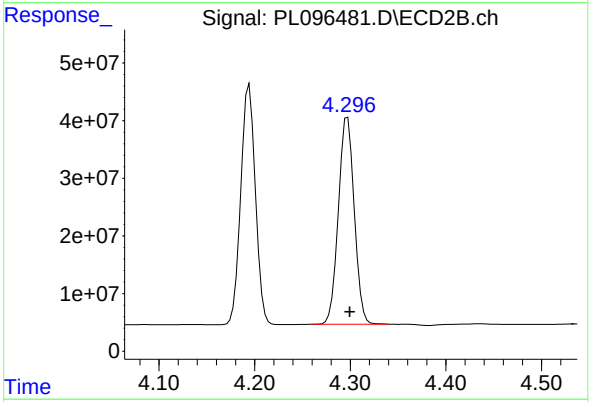
R.T.: 4.014 min
Delta R.T.: -0.002 min
Response: 426968562
Conc: 56.12 ng/ml



#5 Aldrin

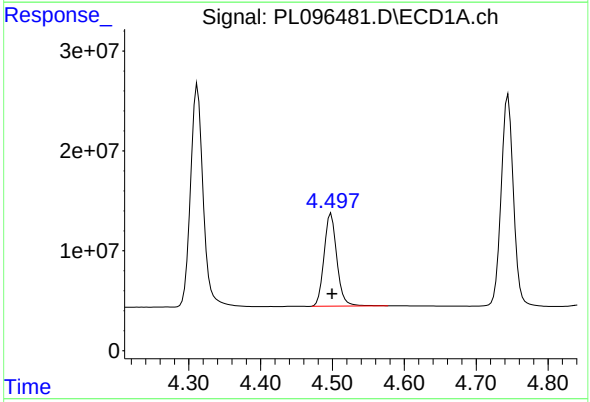
R.T.: 5.244 min
Delta R.T.: -0.002 min
Response: 256680586
Conc: 53.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



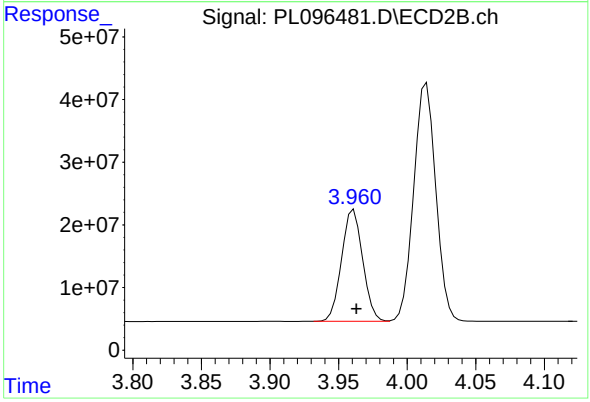
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: -0.002 min
Response: 415588424
Conc: 56.96 ng/ml



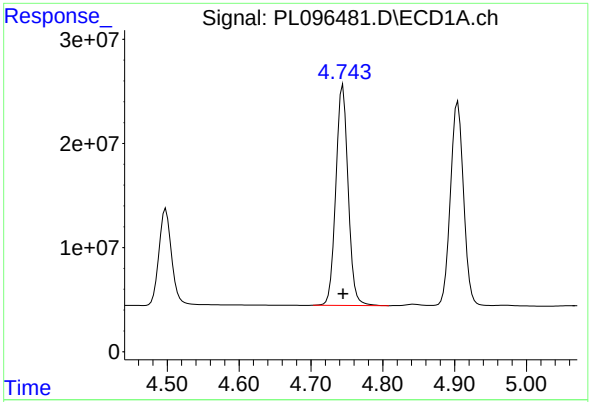
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: -0.001 min
Response: 114294654
Conc: 54.98 ng/ml



#6 beta-BHC

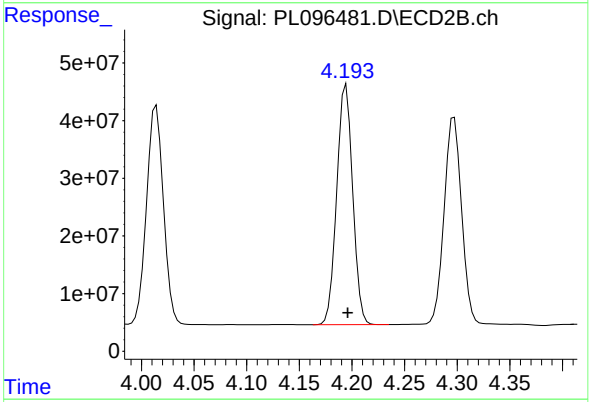
R.T.: 3.961 min
Delta R.T.: -0.002 min
Response: 191130987
Conc: 55.82 ng/ml



#7 delta-BHC

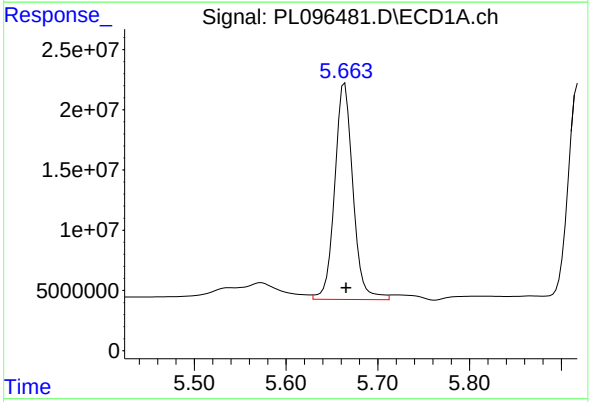
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 251135167
Conc: 56.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



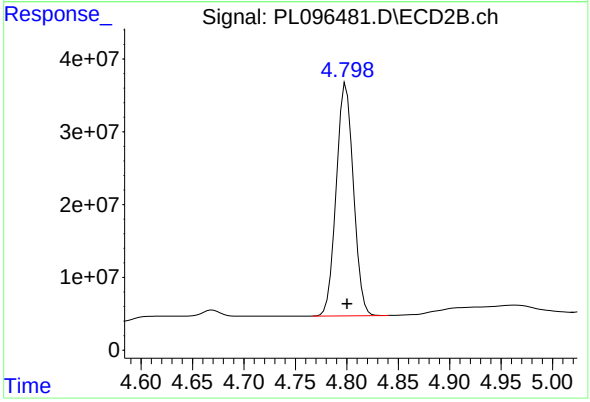
#7 delta-BHC

R.T.: 4.194 min
Delta R.T.: -0.002 min
Response: 440771516
Conc: 57.23 ng/ml



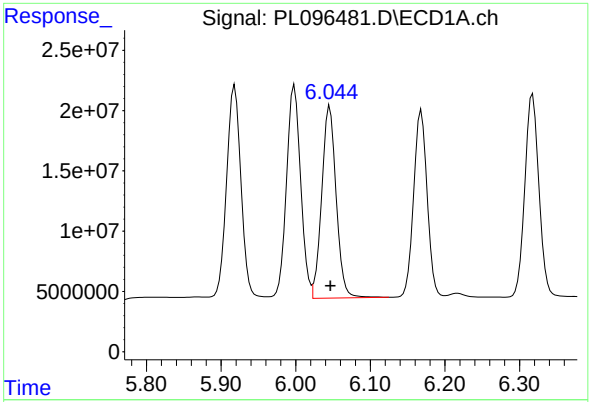
#8 Heptachlor epoxide

R.T.: 5.664 min
Delta R.T.: -0.001 min
Response: 248030349
Conc: 59.78 ng/ml



#8 Heptachlor epoxide

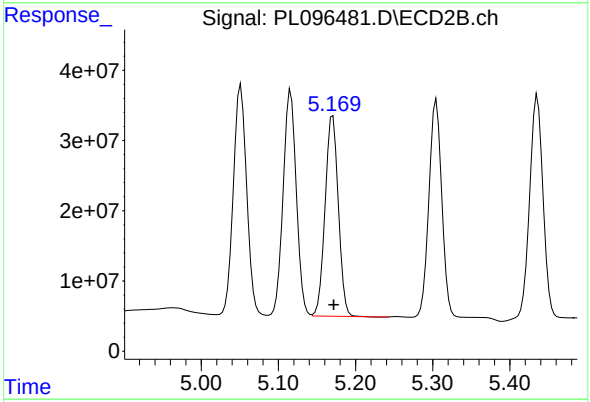
R.T.: 4.799 min
Delta R.T.: -0.001 min
Response: 371572433
Conc: 55.58 ng/ml



#9 Endosulfan I

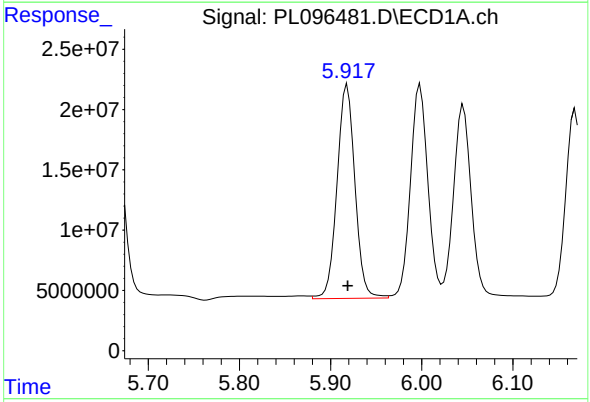
R.T.: 6.046 min
Delta R.T.: -0.001 min
Response: 214492932
Conc: 53.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



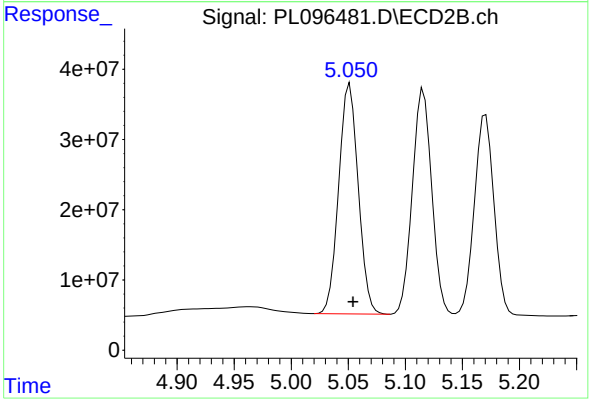
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: -0.001 min
Response: 340837162
Conc: 47.51 ng/ml



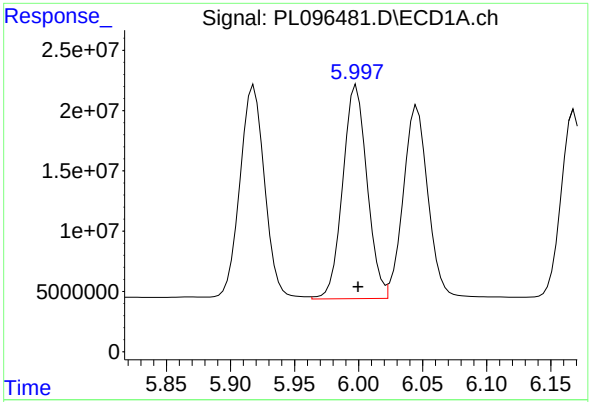
#10 gamma-Chlordane

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 242179956
Conc: 54.73 ng/ml



#10 gamma-Chlordane

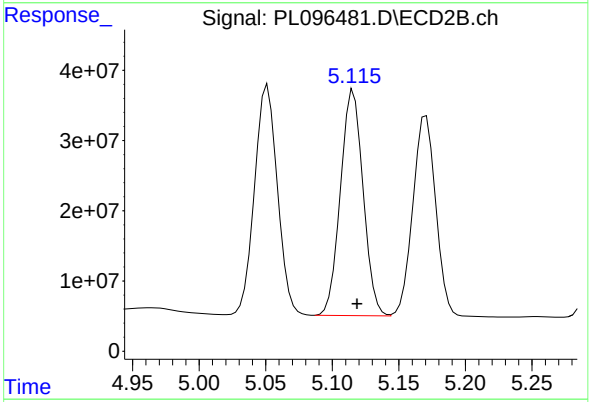
R.T.: 5.051 min
Delta R.T.: -0.003 min
Response: 391642865
Conc: 55.79 ng/ml



#11 alpha-Chlordane

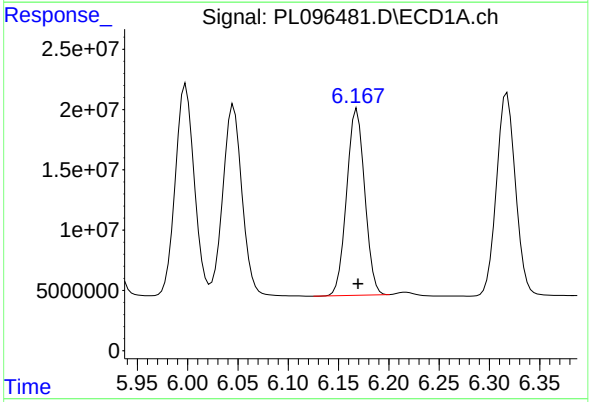
R.T.: 5.998 min
Delta R.T.: -0.001 min
Response: 234134052
Conc: 53.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



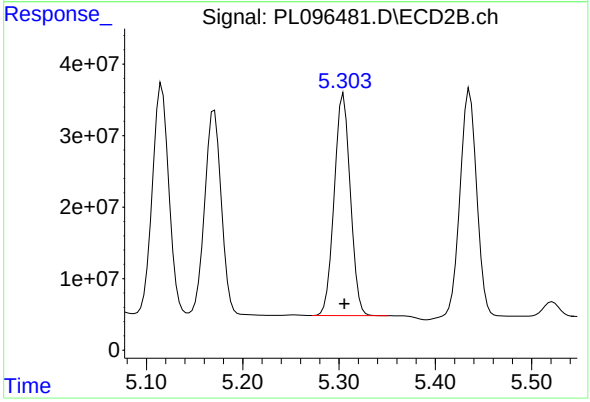
#11 alpha-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.003 min
Response: 381508807
Conc: 50.73 ng/ml



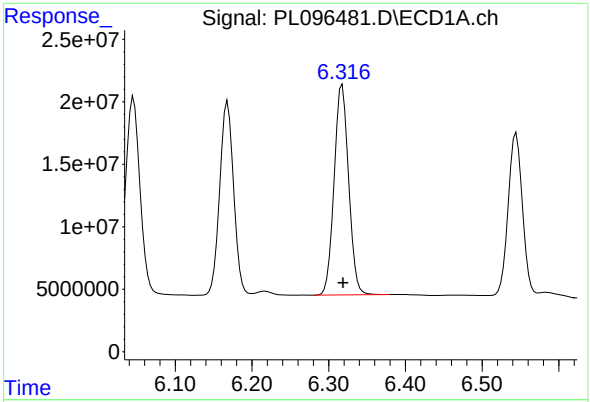
#12 4,4'-DDE

R.T.: 6.168 min
Delta R.T.: -0.001 min
Response: 192862822
Conc: 52.02 ng/ml



#12 4,4'-DDE

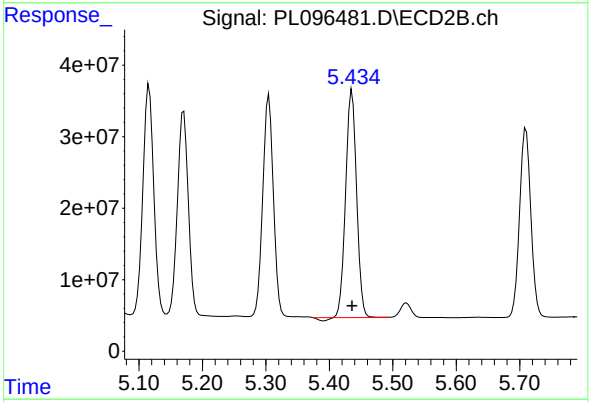
R.T.: 5.305 min
Delta R.T.: 0.000 min
Response: 359957365
Conc: 55.69 ng/ml



#13 Dieldrin

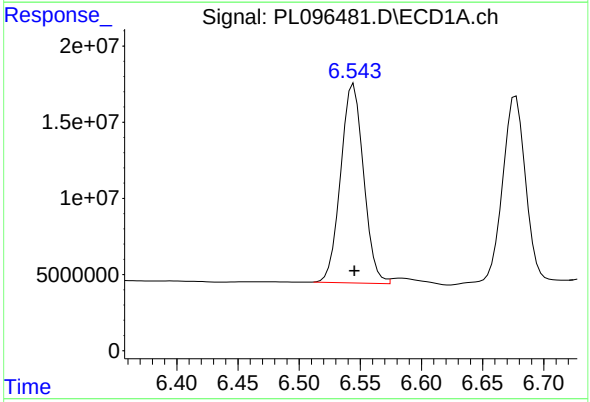
R.T.: 6.318 min
Delta R.T.: -0.001 min
Response: 221468778
Conc: 52.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



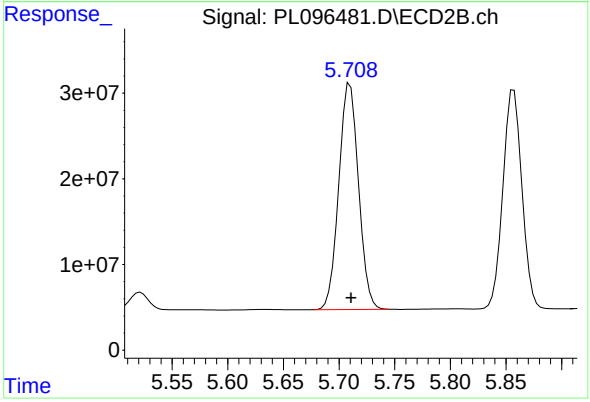
#13 Dieldrin

R.T.: 5.436 min
Delta R.T.: 0.000 min
Response: 379978107
Conc: 55.72 ng/ml



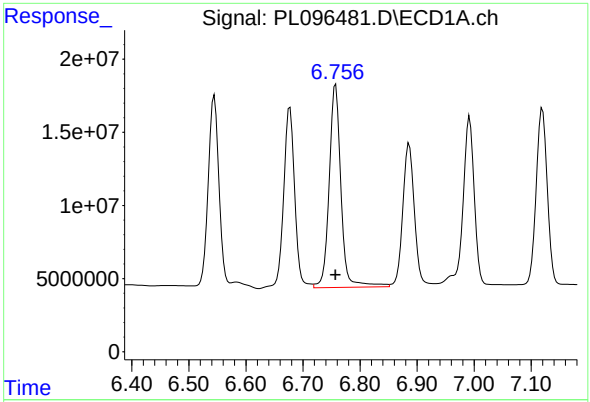
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 170016032
Conc: 54.66 ng/ml



#14 Endrin

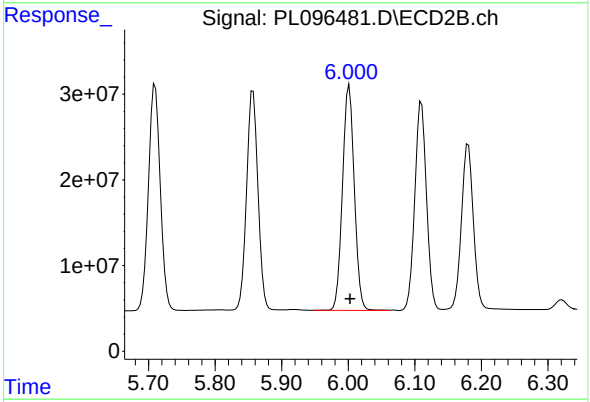
R.T.: 5.710 min
Delta R.T.: 0.000 min
Response: 325939824
Conc: 53.46 ng/ml



#15 Endosulfan II

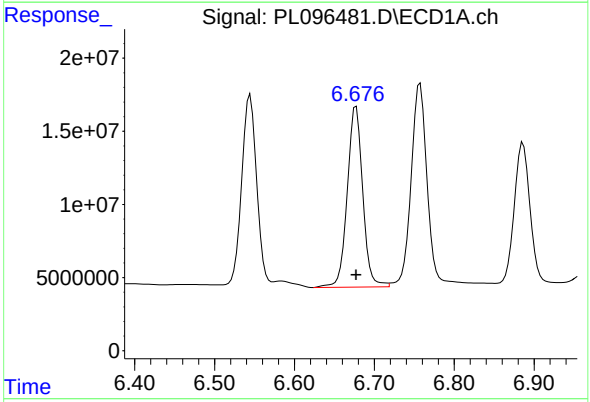
R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 200123748
Conc: 57.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



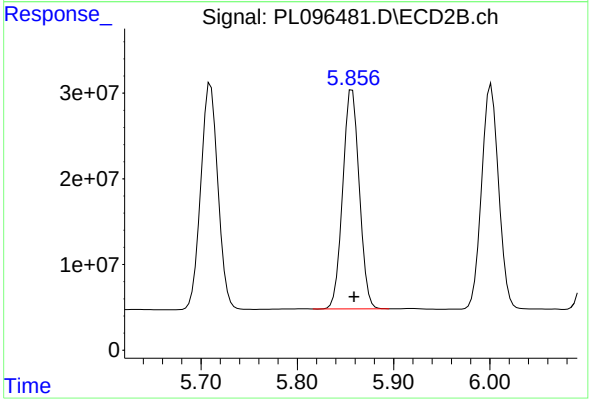
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: -0.001 min
Response: 323727891
Conc: 55.21 ng/ml



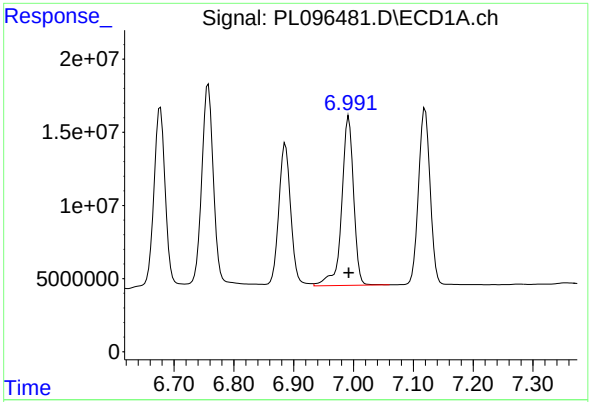
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 167036499
Conc: 57.37 ng/ml



#16 4,4'-DDD

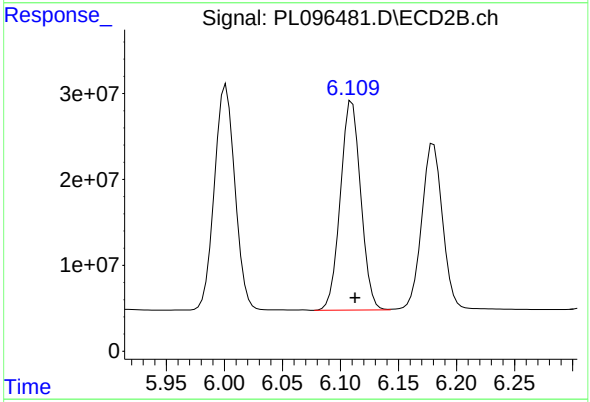
R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 304176848
Conc: 59.31 ng/ml



#17 4,4'-DDT

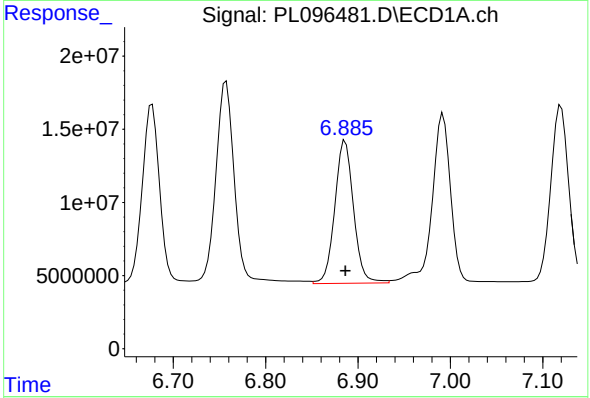
R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 160141968
Conc: 52.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



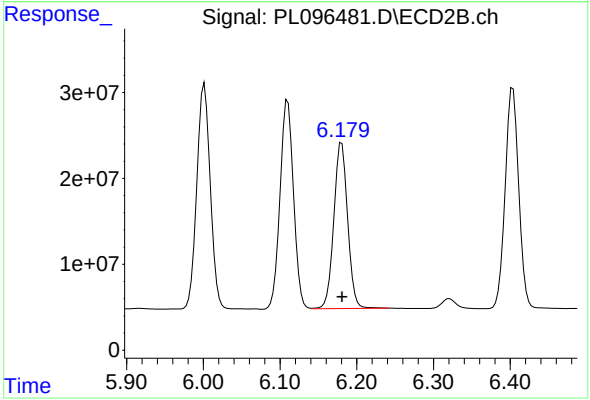
#17 4,4'-DDT

R.T.: 6.110 min
Delta R.T.: -0.003 min
Response: 297411752
Conc: 51.86 ng/ml



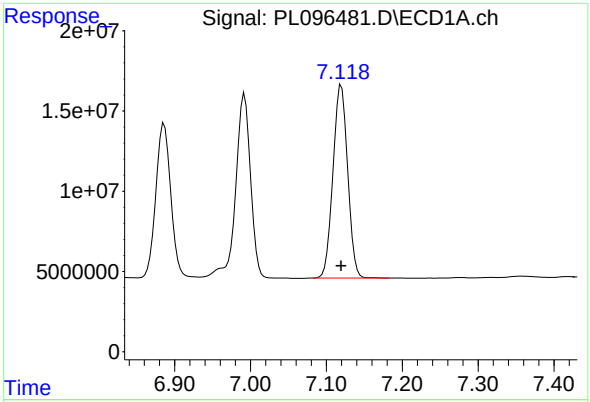
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 137795136
Conc: 61.64 ng/ml



#18 Endrin aldehyde

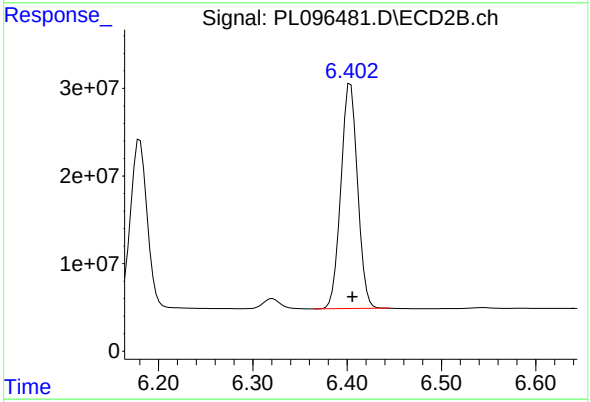
R.T.: 6.180 min
Delta R.T.: 0.000 min
Response: 241719954
Conc: 54.26 ng/ml



#19 Endosulfan Sulfate

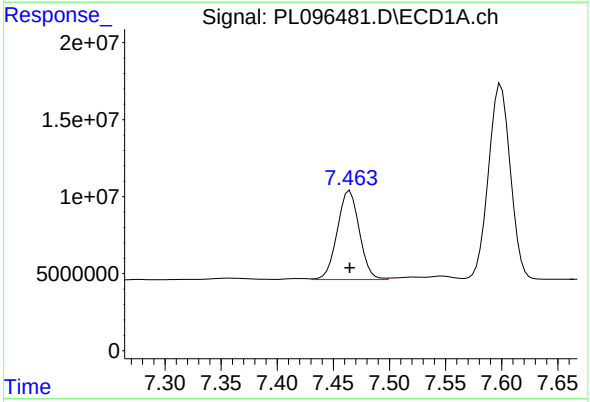
R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 161941490
Conc: 52.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



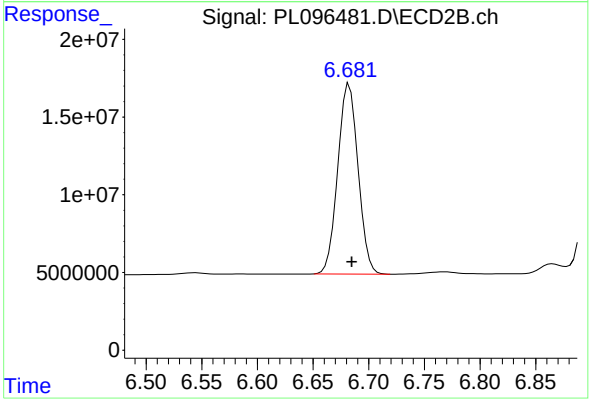
#19 Endosulfan Sulfate

R.T.: 6.404 min
Delta R.T.: -0.002 min
Response: 316362412
Conc: 56.25 ng/ml



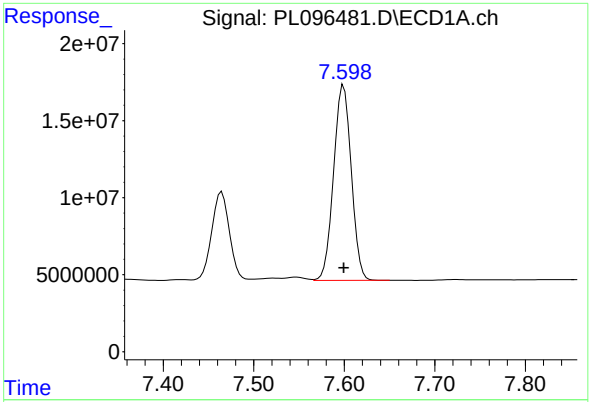
#20 Methoxychlor

R.T.: 7.465 min
Delta R.T.: 0.000 min
Response: 78916887
Conc: 50.09 ng/ml



#20 Methoxychlor

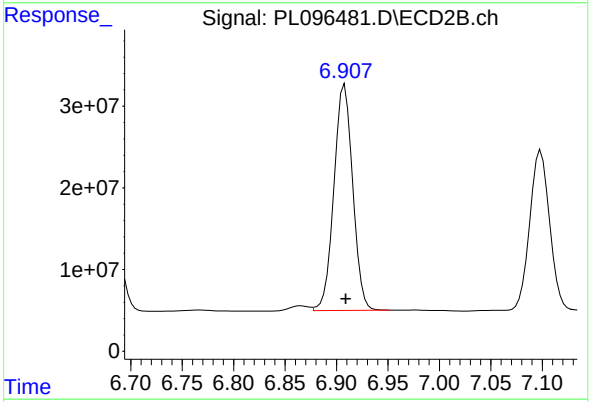
R.T.: 6.682 min
Delta R.T.: -0.002 min
Response: 155650726
Conc: 51.24 ng/ml



#21 Endrin ketone

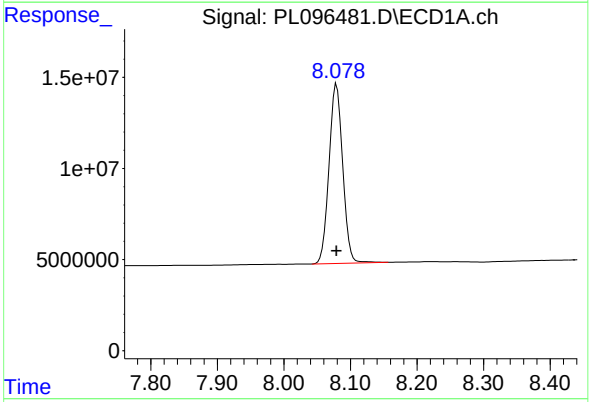
R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 172243759
Conc: 52.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



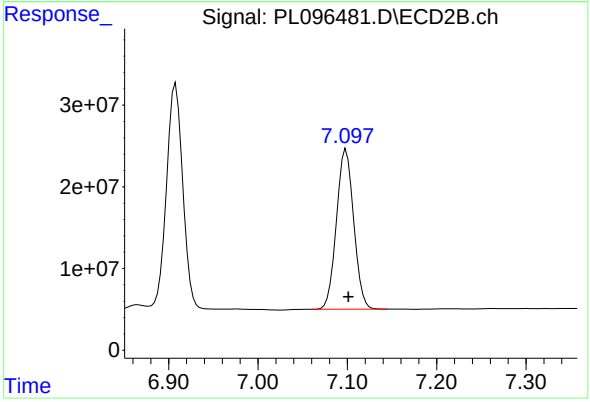
#21 Endrin ketone

R.T.: 6.908 min
Delta R.T.: 0.000 min
Response: 352111948
Conc: 56.32 ng/ml



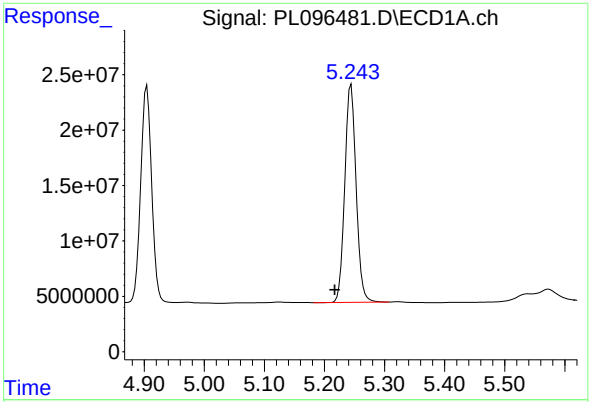
#22 Mirex

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 140910097
Conc: 50.65 ng/ml



#22 Mirex

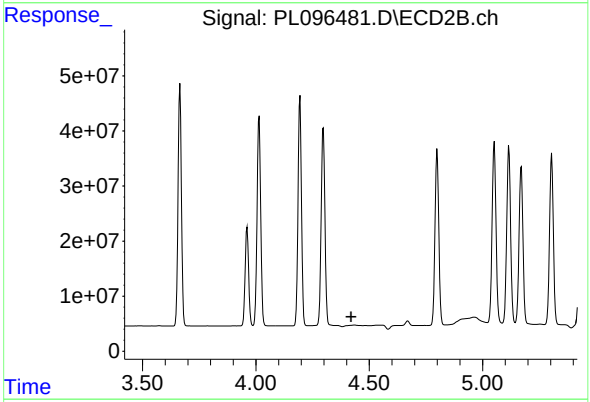
R.T.: 7.099 min
Delta R.T.: -0.002 min
Response: 262787795
Conc: 52.89 ng/ml



#24 Chlordane-2

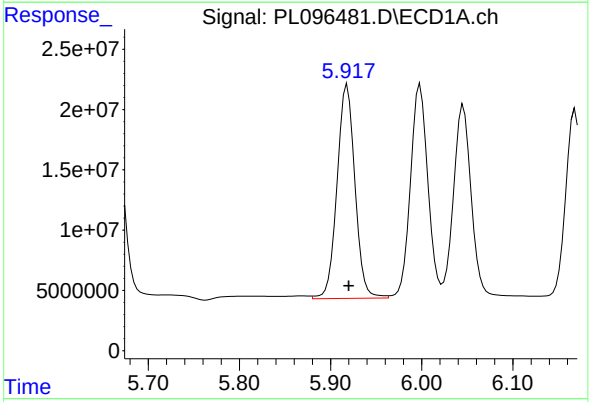
R.T.: 5.244 min
Delta R.T.: 0.027 min
Response: 256680586
Conc: 1311.07 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



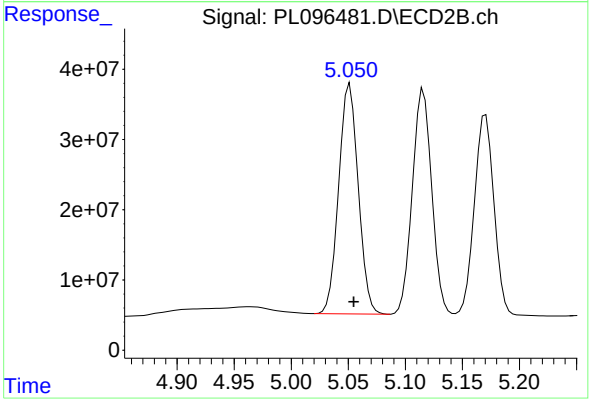
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.420 min
Response: 0
Conc: N.D.



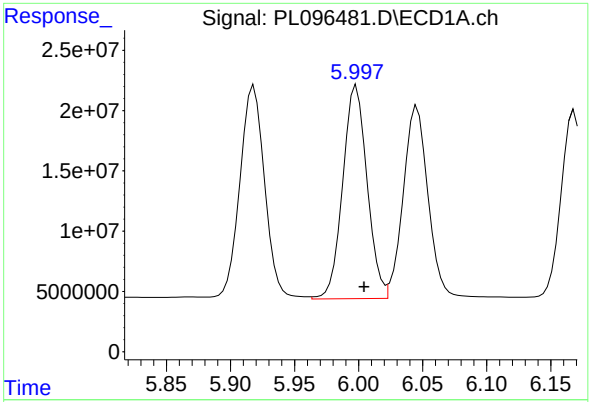
#25 Chlordane-3

R.T.: 5.918 min
Delta R.T.: -0.002 min
Response: 242179956
Conc: 328.71 ng/ml



#25 Chlordane-3

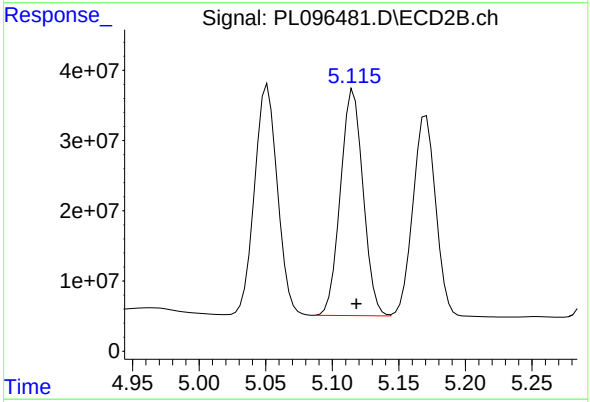
R.T.: 5.051 min
Delta R.T.: -0.003 min
Response: 391642865
Conc: 486.79 ng/ml



#26 Chlordane-4

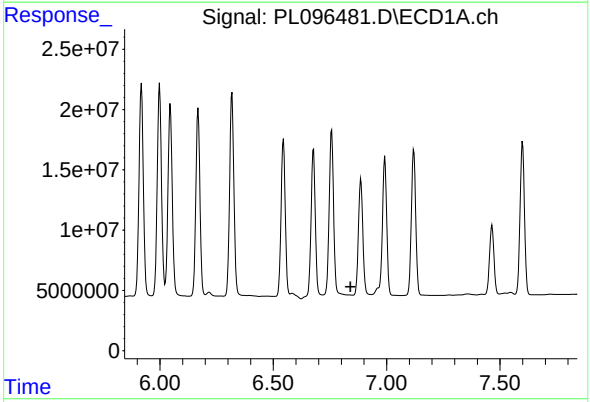
R.T.: 5.998 min
Delta R.T.: -0.006 min
Response: 234134052
Conc: 260.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



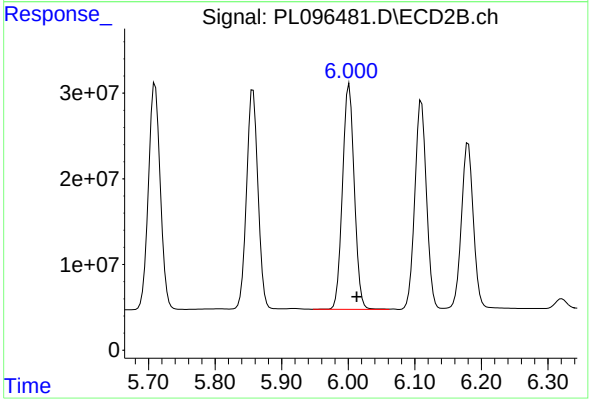
#26 Chlordane-4

R.T.: 5.116 min
Delta R.T.: -0.002 min
Response: 381508807
Conc: 507.71 ng/ml



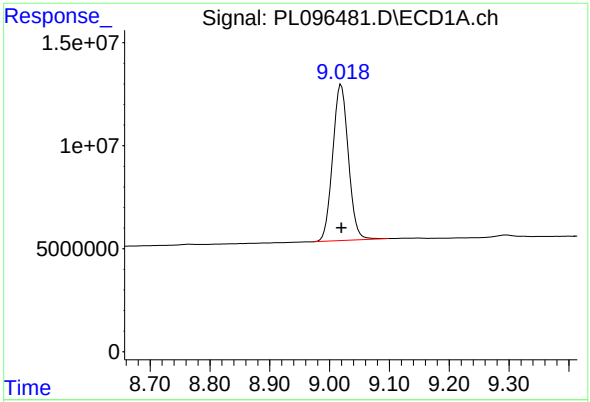
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.841 min
Response: 0
Conc: N.D.



#27 Chlordane-5

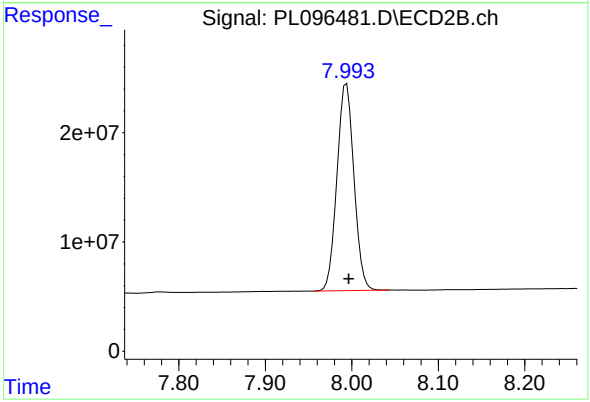
R.T.: 6.001 min
Delta R.T.: -0.011 min
Response: 323727891
Conc: 1142.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.019 min
Delta R.T.: 0.000 min
Response: 138523190
Conc: 49.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 257416700
Conc: 51.62 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096485.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:05
Operator : AR\AJ
Sample : Q2635-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RT2286MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:44:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.827	83362672	98410848	22.846	17.052	#
28)	SA Decachlor...	9.019	7.992	48153844	73981879	17.118	14.836	
	Target Compounds							
2)	A alpha-BHC	3.983	3.333	247.5E6	367.8E6	48.118	43.612	
3)	MA gamma-BHC...	4.312	3.664	221.6E6	337.7E6	44.509	42.878	
4)	MA Heptachlor	4.904	4.014	220.3E6	330.9E6	48.079	43.501	
5)	MB Aldrin	5.244	4.297	243.2E6	322.2E6	50.314	44.166	
6)	B beta-BHC	4.498	3.961	89450562	134.4E6	43.030	39.253	
7)	B delta-BHC	4.744	4.194	207.9E6	325.3E6	46.384	42.241	
8)	B Heptachlo...	5.664	4.799	222.3E6	280.2E6	53.568	41.919	
9)	A Endosulfan I	6.045	5.170	194.5E6	249.9E6	48.178	34.835	#
10)	B gamma-Chl...	5.918	5.051	231.0E6	301.0E6	52.207	42.881	
11)	B alpha-Chl...	5.998	5.115	211.7E6	283.1E6	48.348	37.649	
12)	B 4,4'-DDE	6.169	5.304	162.3E6	254.7E6	43.787	39.411	
13)	MA Dieldrin	6.318	5.435	216.2E6	317.1E6	51.130	46.507	
14)	MA Endrin	6.544	5.709	166.0E6	262.6E6	53.373	43.070	
15)	B Endosulfa...	6.757	6.001	171.6E6	252.3E6	49.456	43.025	
16)	A 4,4'-DDD	6.677	5.856	184.4E6	210.4E6	63.322	41.015	#
17)	MA 4,4'-DDT	6.992	6.108	193.6E6	283.2E6	63.799	49.380	
18)	B Endrin al...	6.886	6.179	130.7E6	217.9E6	58.466	48.914	
19)	B Endosulfa...	7.119	6.403	160.6E6	272.9E6	52.500	48.523	
20)	A Methoxychlor	7.464	6.681	83440702	116.2E6	52.965	38.253	#
21)	B Endrin ke...	7.597	6.907	221.7E6	242.8E6	67.159	38.834	#
22)	Mirex	8.078	7.098	131.0E6	195.9E6	47.100	39.424	
23)	Chlordane-1	0.000	3.840	0	9883442	N.D.	41.815	#
24)	Chlordane-2	5.244f	0.000	243.2E6	0	1242.230	N.D.	#
25)	Chlordane-3	5.918	5.051	231.0E6	301.0E6	313.547	374.142	
26)	Chlordane-4	5.998	5.115	211.7E6	283.1E6	235.957	376.784	#
27)	Chlordane-5	6.814f	6.001	15867270	252.3E6	105.125	890.091	#

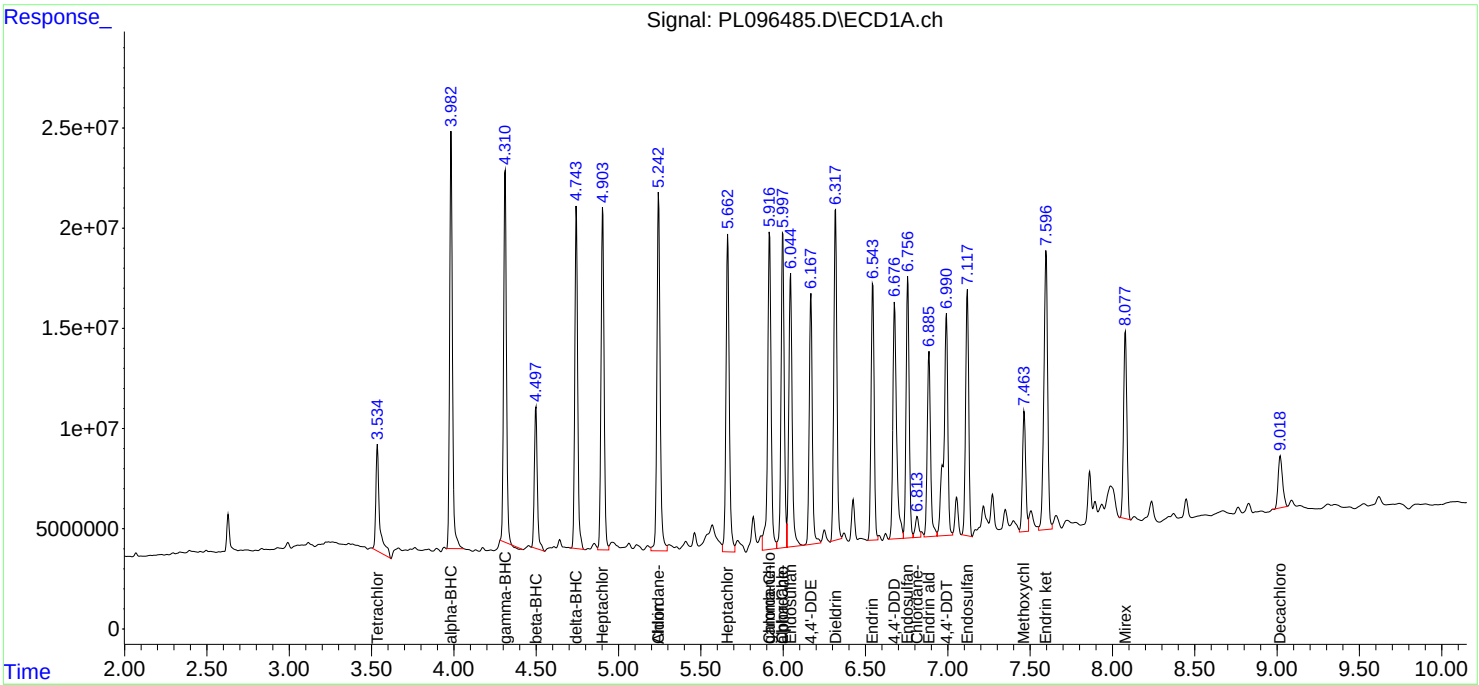
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

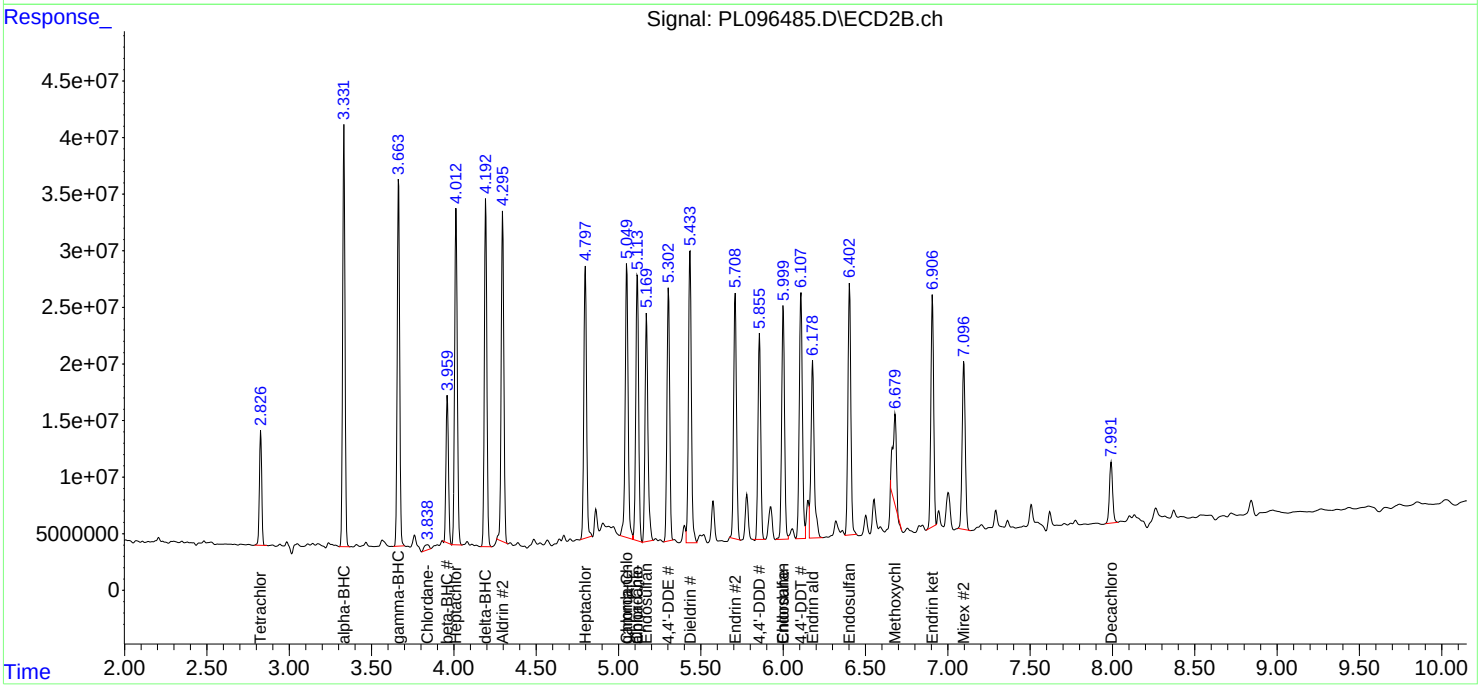
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096485.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:05
Operator : AR\AJ
Sample : Q2635-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

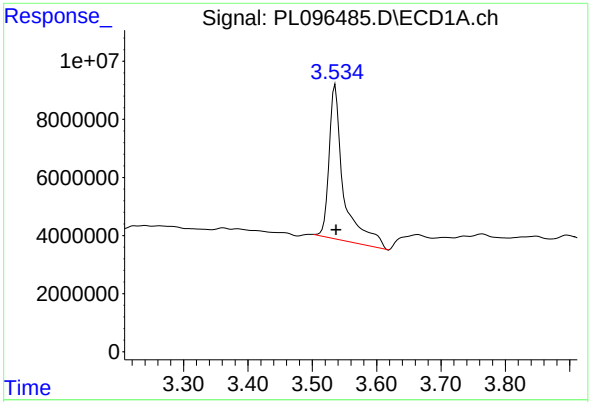
Instrument :
ECD_L
ClientSampleId :
RT2286MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:44:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



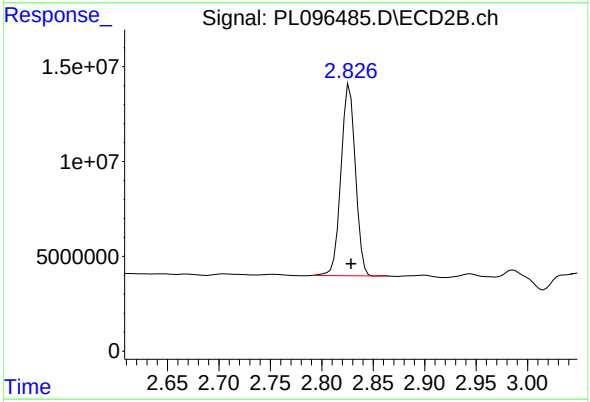




#1 Tetrachloro-m-xylene

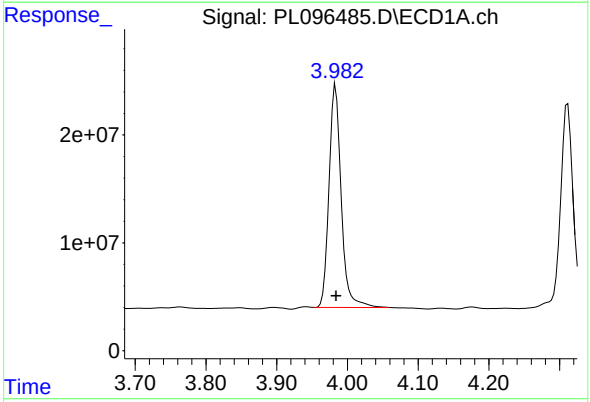
R.T.: 3.536 min
Delta R.T.: -0.001 min
Response: 83362672
Conc: 22.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



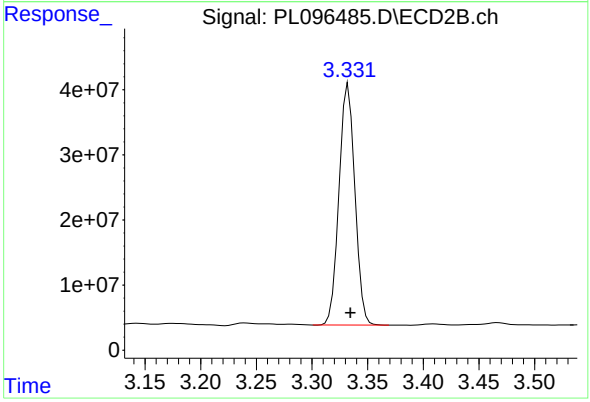
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.001 min
Response: 98410848
Conc: 17.05 ng/ml



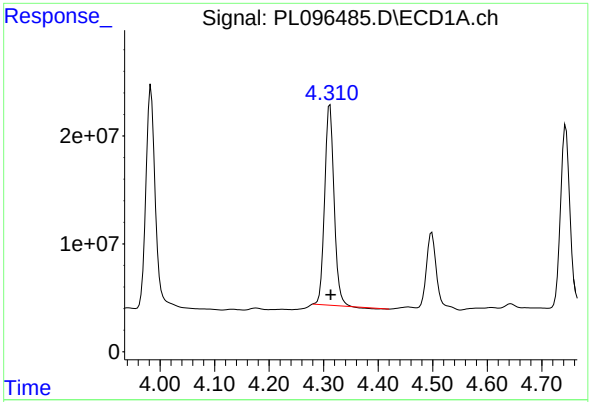
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 247477342
Conc: 48.12 ng/ml



#2 alpha-BHC

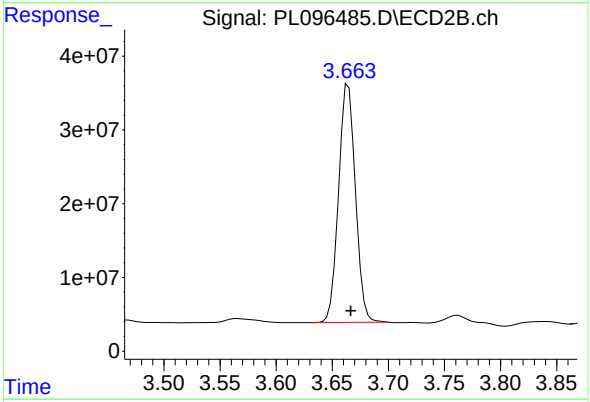
R.T.: 3.333 min
Delta R.T.: -0.002 min
Response: 367840051
Conc: 43.61 ng/ml



#3 gamma-BHC (Lindane)

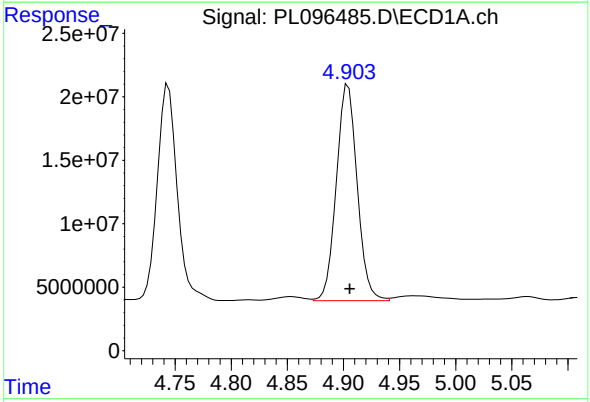
R.T.: 4.312 min
Delta R.T.: -0.001 min
Response: 221640004
Conc: 44.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



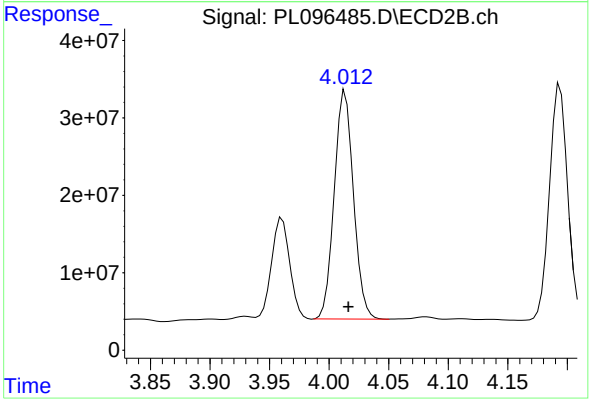
#3 gamma-BHC (Lindane)

R.T.: 3.664 min
Delta R.T.: -0.002 min
Response: 337702944
Conc: 42.88 ng/ml



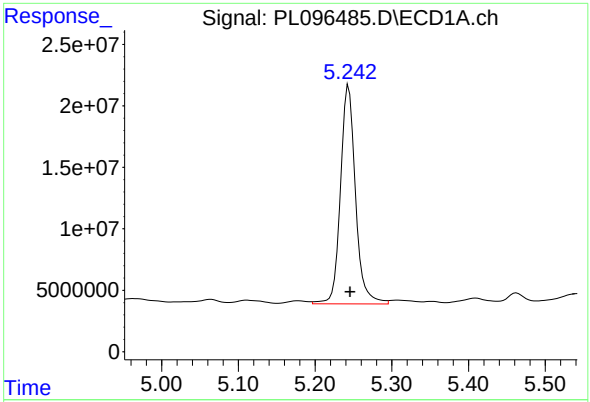
#4 Heptachlor

R.T.: 4.904 min
Delta R.T.: -0.001 min
Response: 220258730
Conc: 48.08 ng/ml



#4 Heptachlor

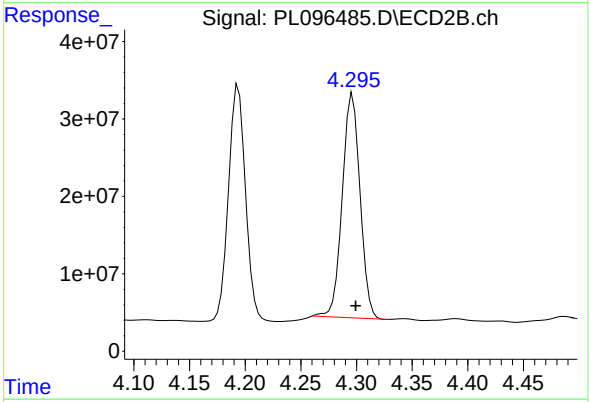
R.T.: 4.014 min
Delta R.T.: -0.003 min
Response: 330945867
Conc: 43.50 ng/ml



#5 Aldrin

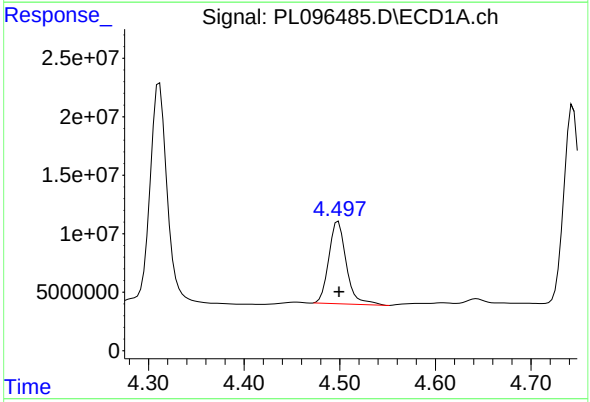
R.T.: 5.244 min
Delta R.T.: -0.002 min
Response: 243203854
Conc: 50.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



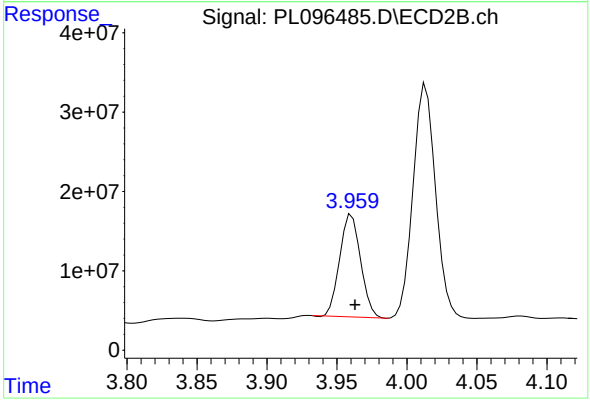
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: -0.003 min
Response: 322217232
Conc: 44.17 ng/ml



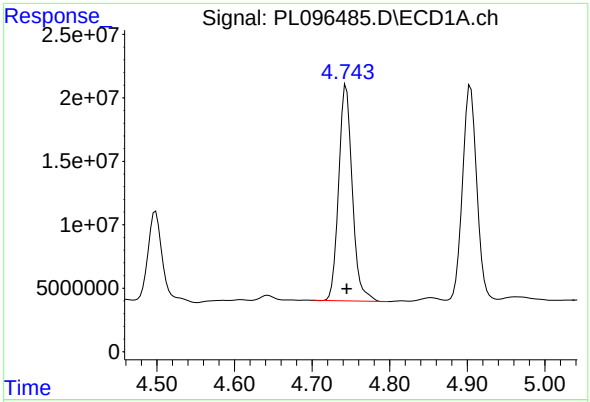
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: -0.001 min
Response: 89450562
Conc: 43.03 ng/ml



#6 beta-BHC

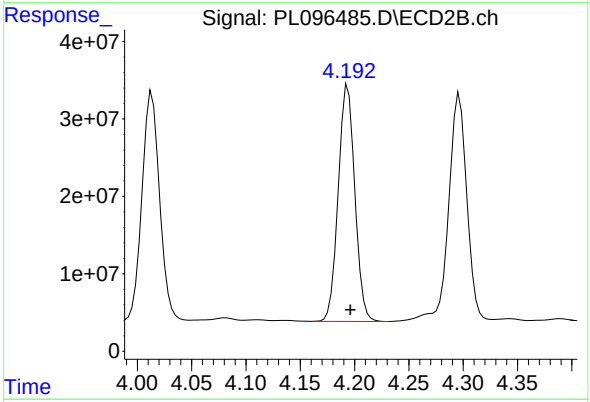
R.T.: 3.961 min
Delta R.T.: -0.002 min
Response: 134399340
Conc: 39.25 ng/ml



#7 delta-BHC

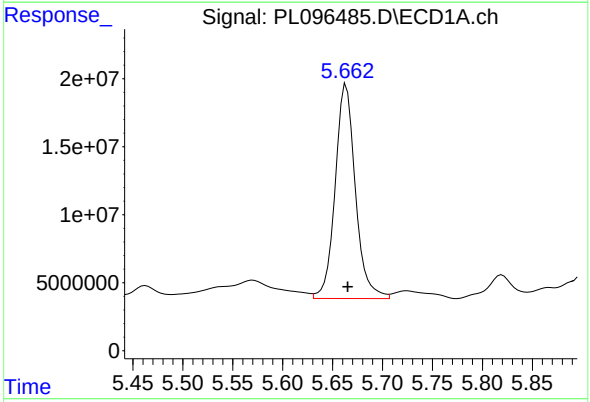
R.T.: 4.744 min
Delta R.T.: 0.000 min
Response: 207860865
Conc: 46.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



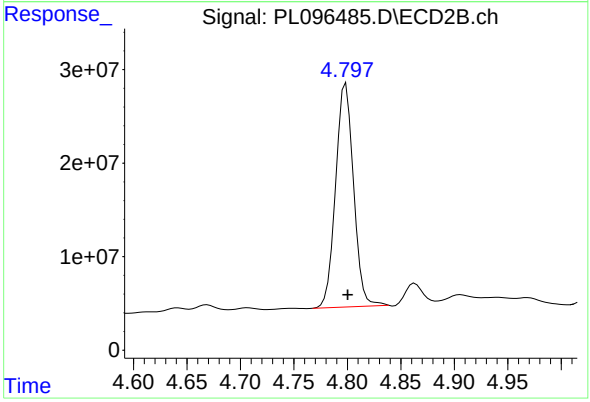
#7 delta-BHC

R.T.: 4.194 min
Delta R.T.: -0.002 min
Response: 325332332
Conc: 42.24 ng/ml



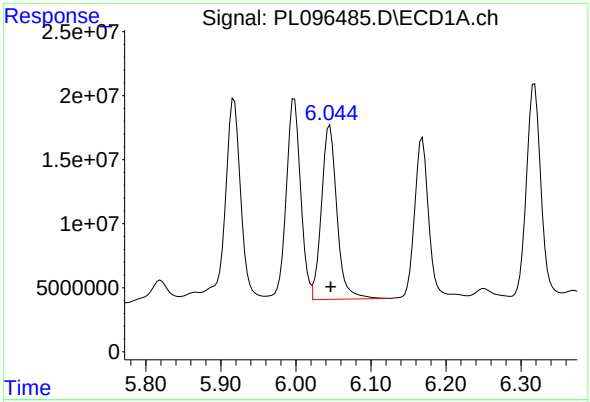
#8 Heptachlor epoxide

R.T.: 5.664 min
Delta R.T.: -0.002 min
Response: 222262155
Conc: 53.57 ng/ml



#8 Heptachlor epoxide

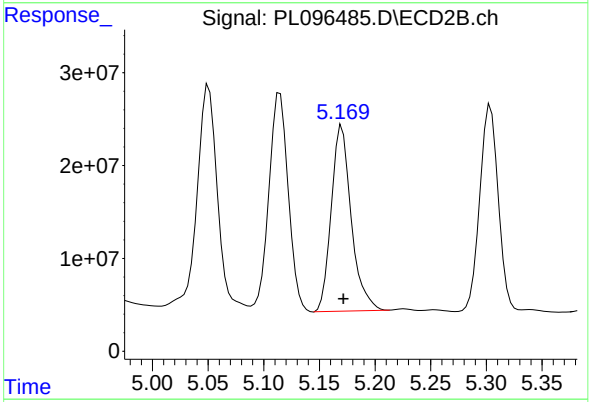
R.T.: 4.799 min
Delta R.T.: -0.002 min
Response: 280222115
Conc: 41.92 ng/ml



#9 Endosulfan I

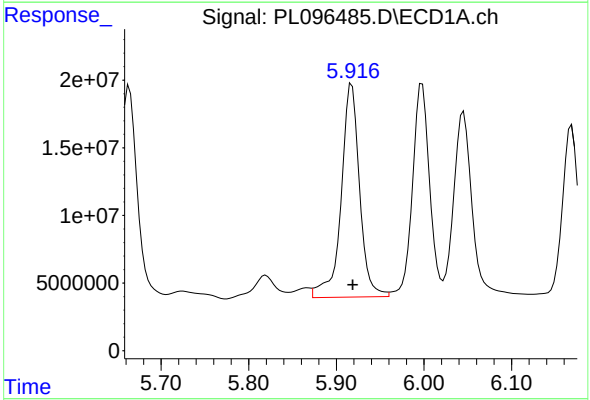
R.T.: 6.045 min
Delta R.T.: -0.001 min
Response: 194505009
Conc: 48.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



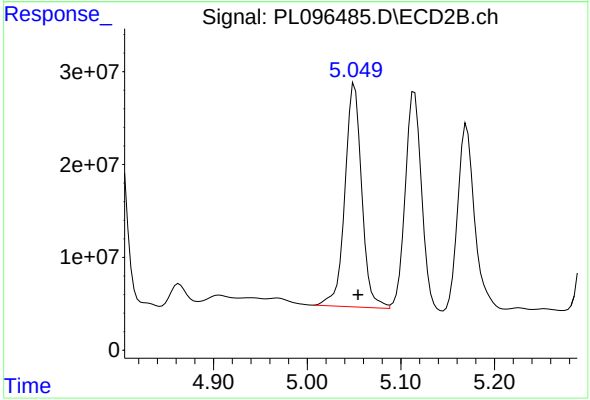
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: -0.001 min
Response: 249912652
Conc: 34.84 ng/ml



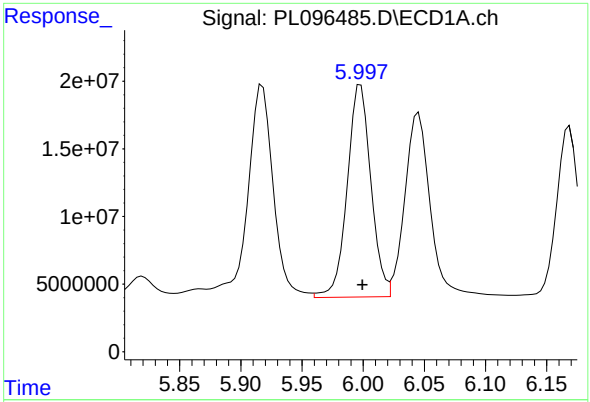
#10 gamma-Chlordane

R.T.: 5.918 min
Delta R.T.: -0.001 min
Response: 231006817
Conc: 52.21 ng/ml



#10 gamma-Chlordane

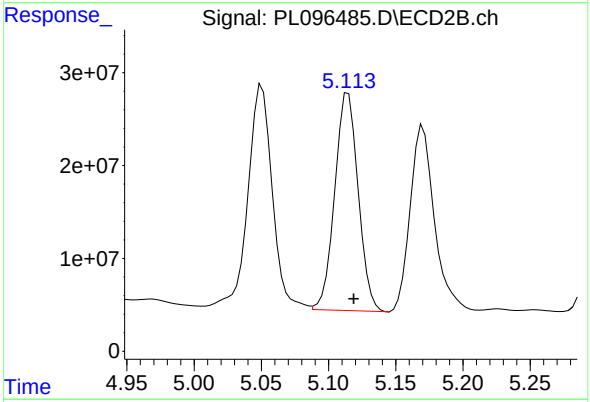
R.T.: 5.051 min
Delta R.T.: -0.004 min
Response: 301011434
Conc: 42.88 ng/ml



#11 alpha-Chlordane

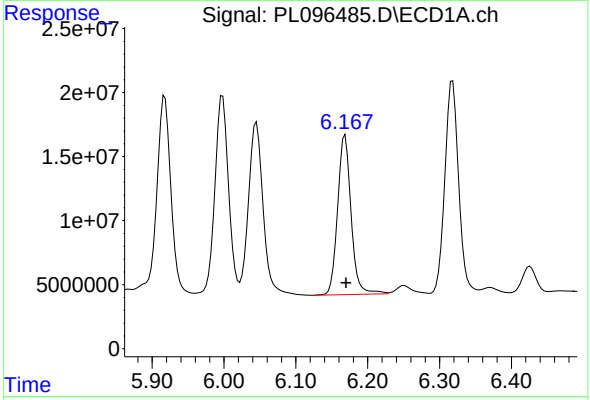
R.T.: 5.998 min
Delta R.T.: -0.002 min
Response: 211707088
Conc: 48.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



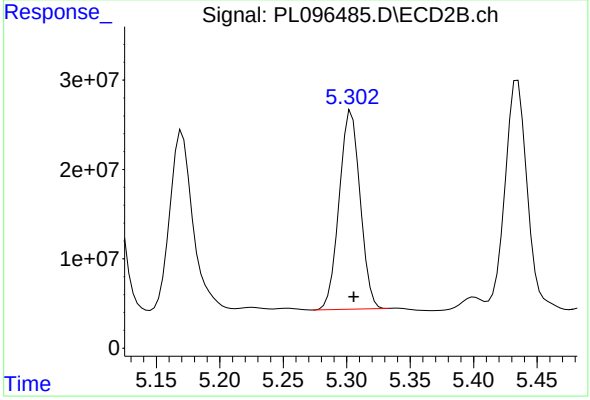
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.004 min
Response: 283125528
Conc: 37.65 ng/ml



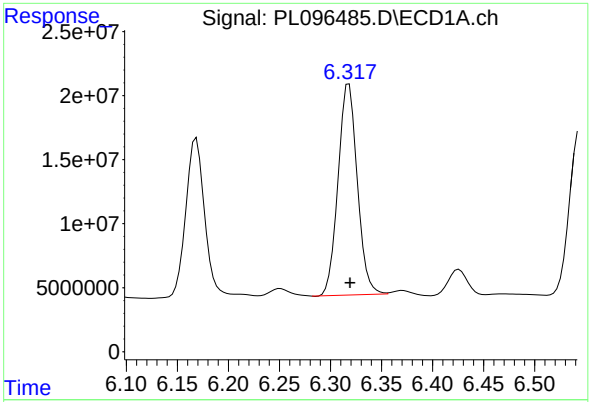
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: -0.001 min
Response: 162338558
Conc: 43.79 ng/ml



#12 4,4'-DDE

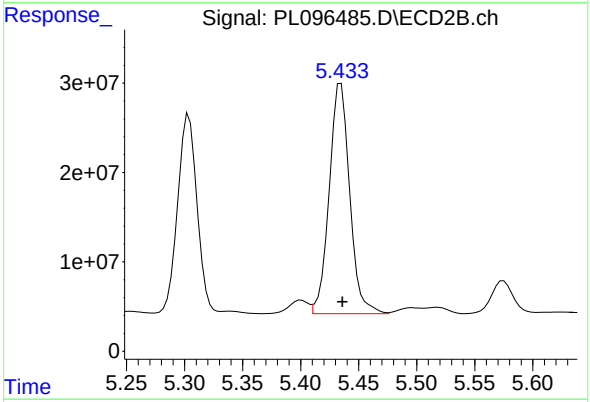
R.T.: 5.304 min
Delta R.T.: -0.002 min
Response: 254743071
Conc: 39.41 ng/ml



#13 Dieldrin

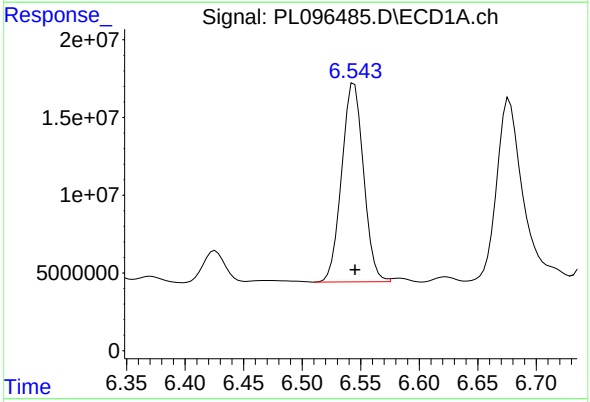
R.T.: 6.318 min
Delta R.T.: 0.000 min
Response: 216198759
Conc: 51.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



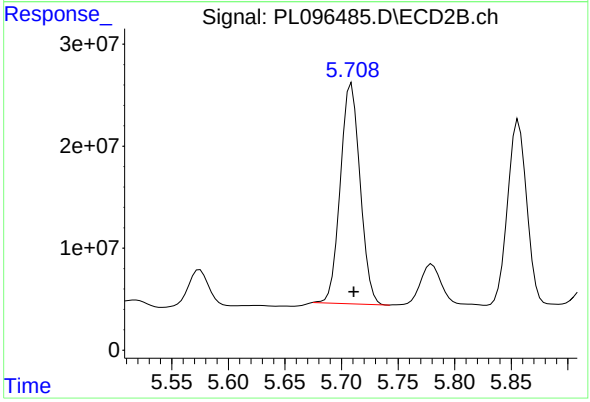
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: -0.001 min
Response: 317140615
Conc: 46.51 ng/ml



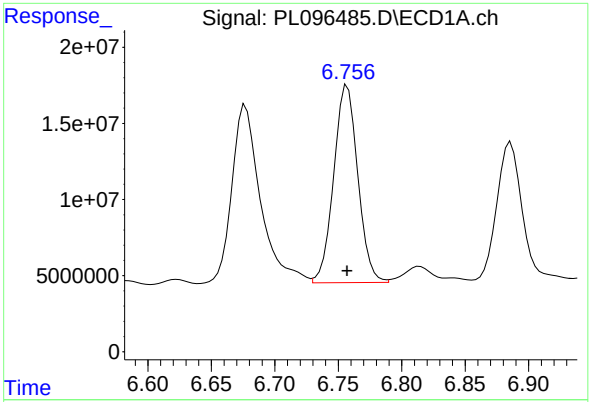
#14 Endrin

R.T.: 6.544 min
Delta R.T.: 0.000 min
Response: 166000838
Conc: 53.37 ng/ml



#14 Endrin

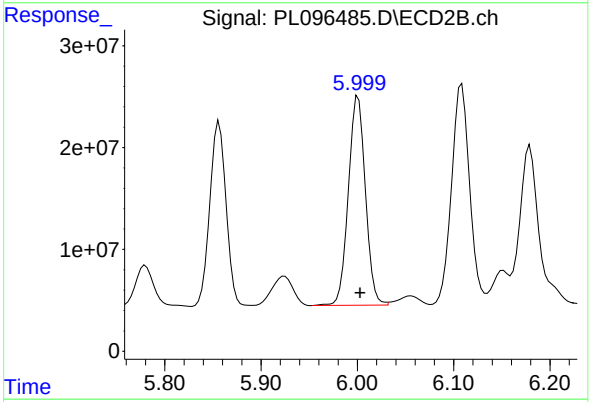
R.T.: 5.709 min
Delta R.T.: -0.002 min
Response: 262575142
Conc: 43.07 ng/ml



#15 Endosulfan II

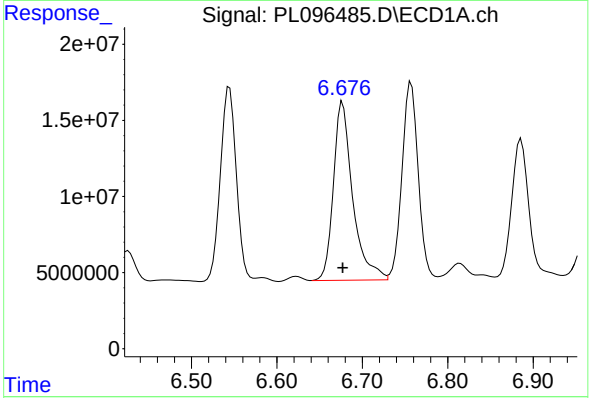
R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 171613188
Conc: 49.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



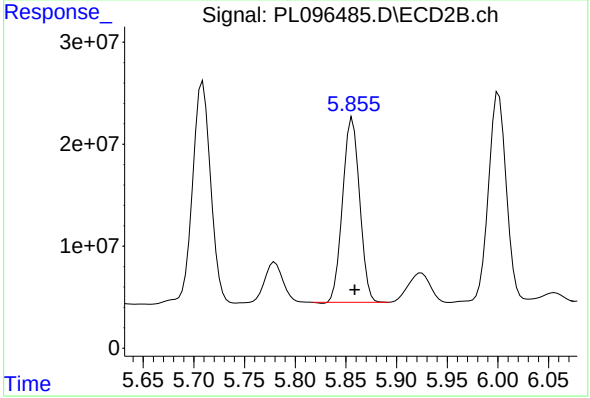
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: -0.002 min
Response: 252296729
Conc: 43.03 ng/ml



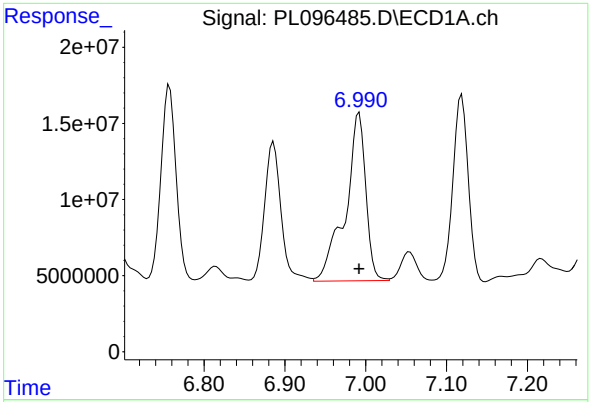
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 184374251
Conc: 63.32 ng/ml



#16 4,4'-DDD

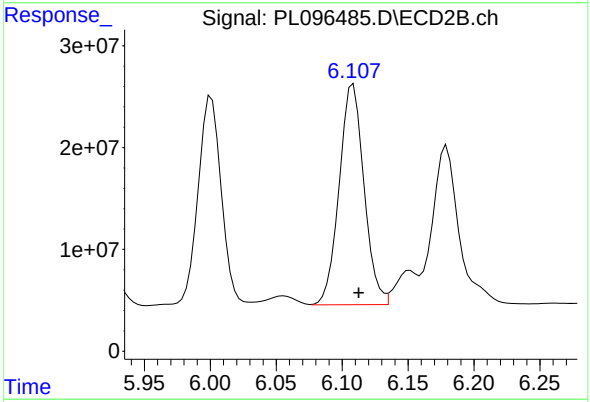
R.T.: 5.856 min
Delta R.T.: -0.002 min
Response: 210352325
Conc: 41.01 ng/ml



#17 4,4'-DDT

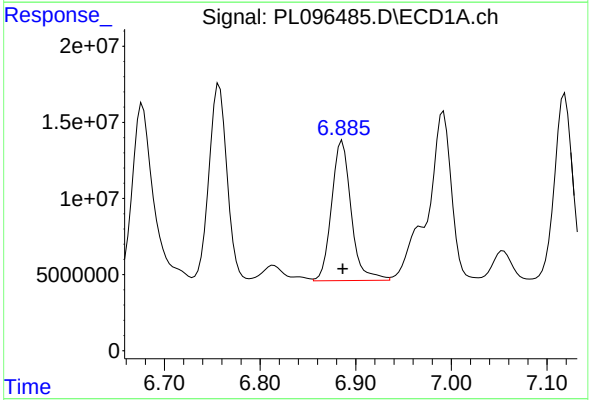
R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 193642340
Conc: 63.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



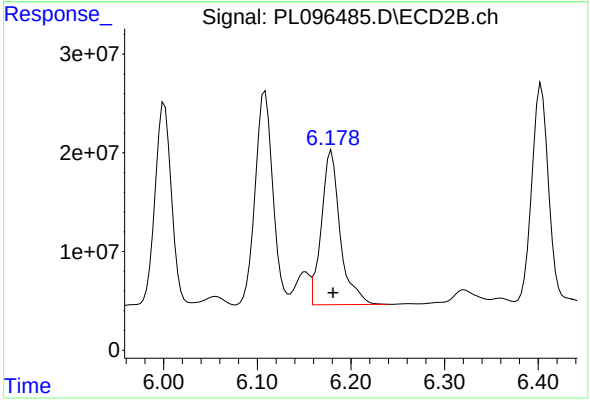
#17 4,4'-DDT

R.T.: 6.108 min
Delta R.T.: -0.004 min
Response: 283200636
Conc: 49.38 ng/ml



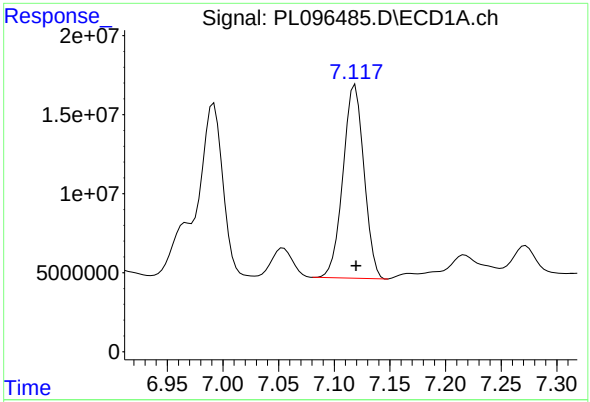
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 130703369
Conc: 58.47 ng/ml



#18 Endrin aldehyde

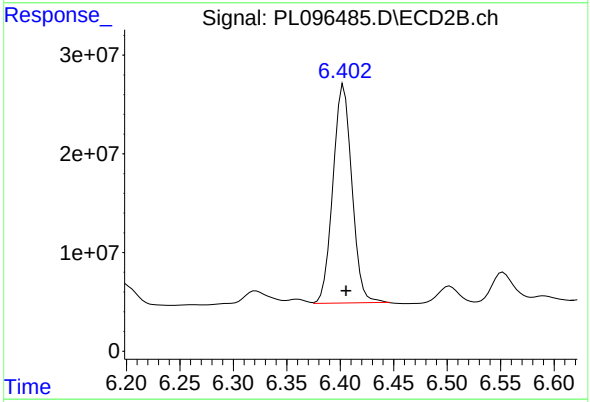
R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 217892290
Conc: 48.91 ng/ml



#19 Endosulfan Sulfate

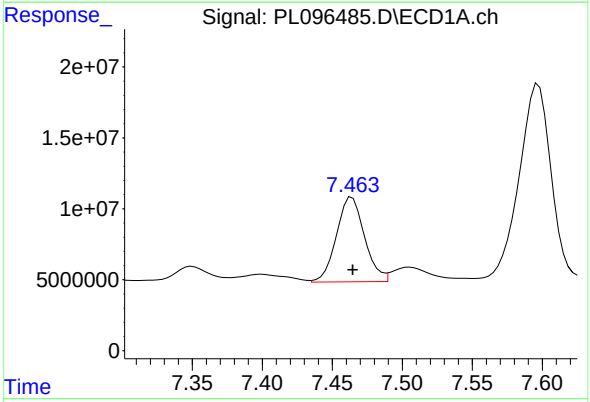
R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 160588718
Conc: 52.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



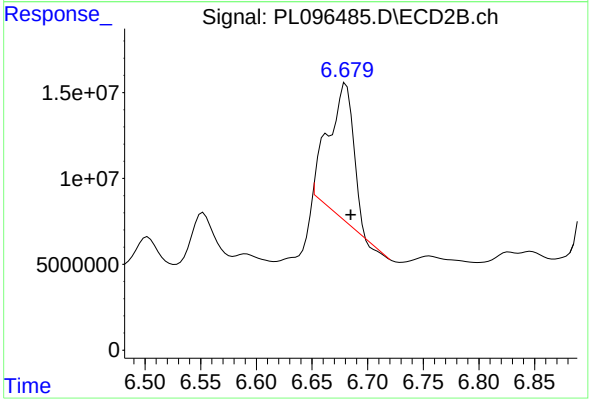
#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: -0.002 min
Response: 272912925
Conc: 48.52 ng/ml



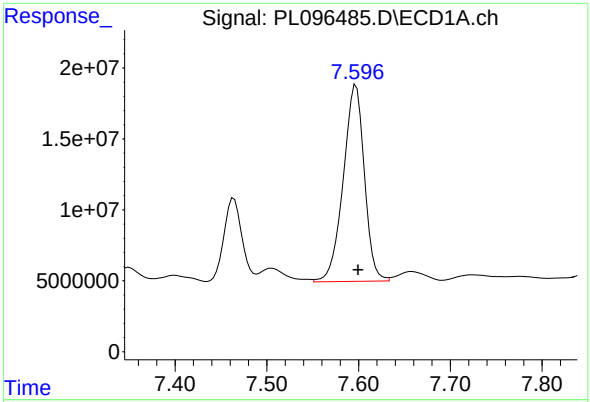
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 83440702
Conc: 52.96 ng/ml



#20 Methoxychlor

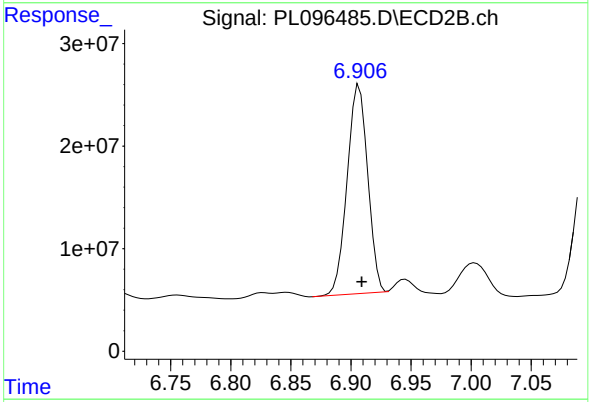
R.T.: 6.681 min
Delta R.T.: -0.004 min
Response: 116203911
Conc: 38.25 ng/ml



#21 Endrin ketone

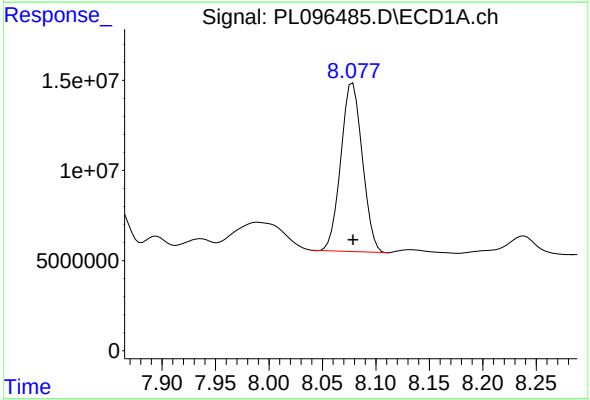
R.T.: 7.597 min
Delta R.T.: -0.002 min
Response: 221735458
Conc: 67.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



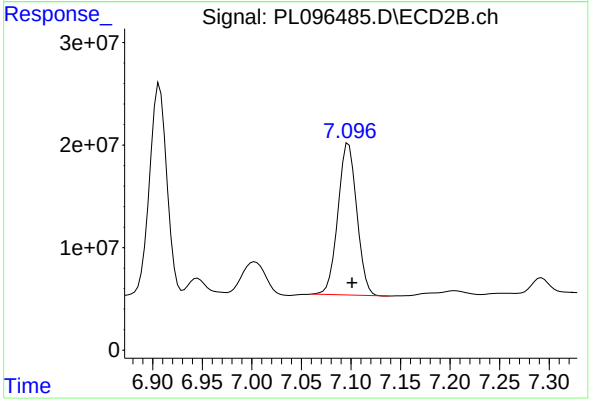
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: -0.002 min
Response: 242799225
Conc: 38.83 ng/ml



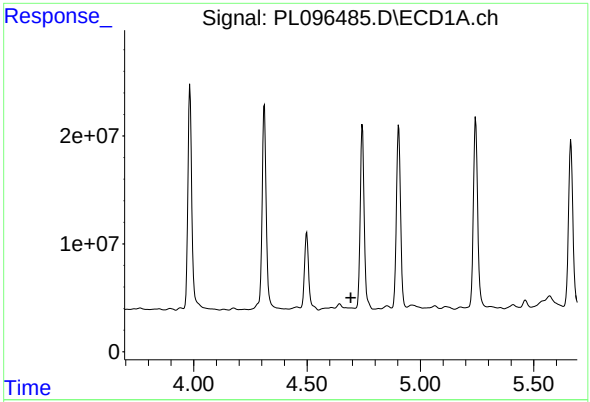
#22 Mirex

R.T.: 8.078 min
Delta R.T.: 0.000 min
Response: 131041880
Conc: 47.10 ng/ml



#22 Mirex

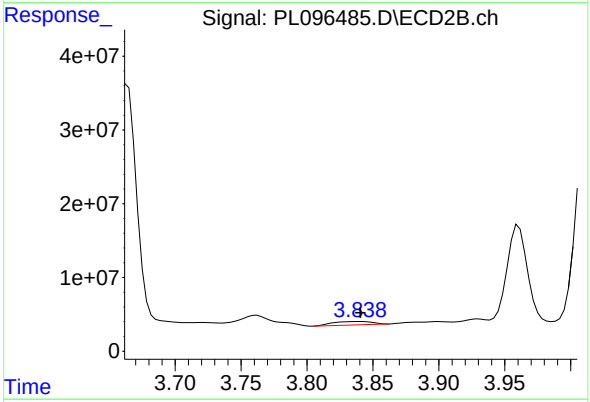
R.T.: 7.098 min
Delta R.T.: -0.003 min
Response: 195865261
Conc: 39.42 ng/ml



#23 Chlordane-1

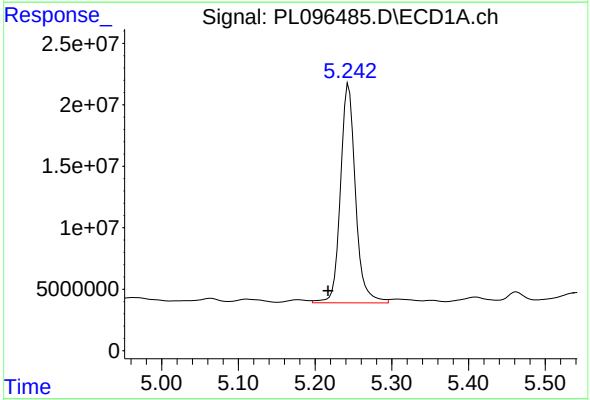
R.T.: 0.000 min
Exp R.T. : 4.693 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
RT2286MS



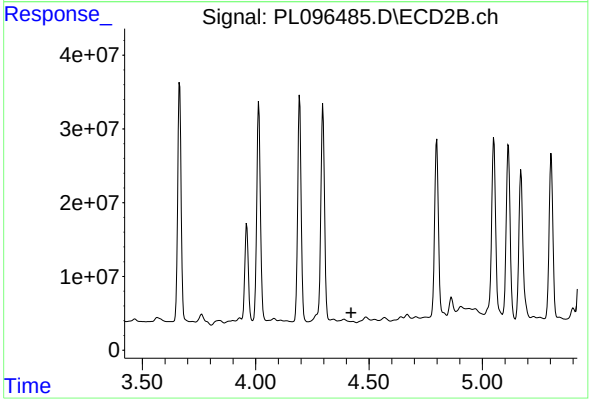
#23 Chlordane-1

R.T.: 3.840 min
Delta R.T.: 0.000 min
Response: 9883442
Conc: 41.82 ng/ml



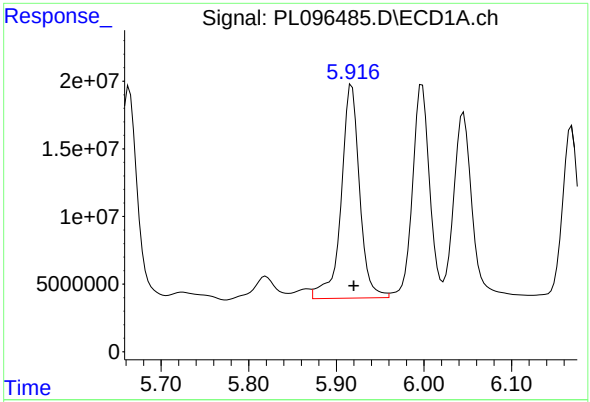
#24 Chlordane-2

R.T.: 5.244 min
Delta R.T.: 0.027 min
Response: 243203854
Conc: 1242.23 ng/ml



#24 Chlordane-2

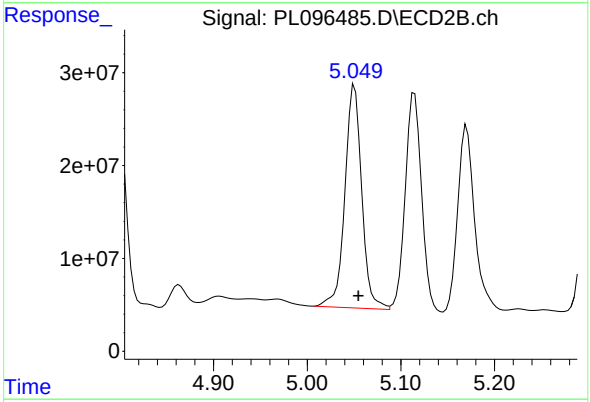
R.T.: 0.000 min
Exp R.T. : 4.420 min
Response: 0
Conc: N.D.



#25 Chlordane-3

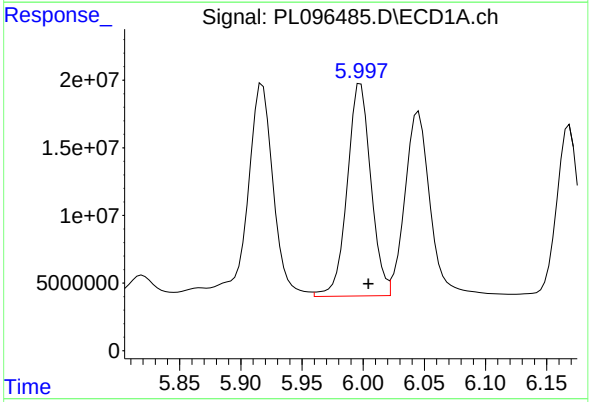
R.T.: 5.918 min
Delta R.T.: -0.002 min
Response: 231006817
Conc: 313.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



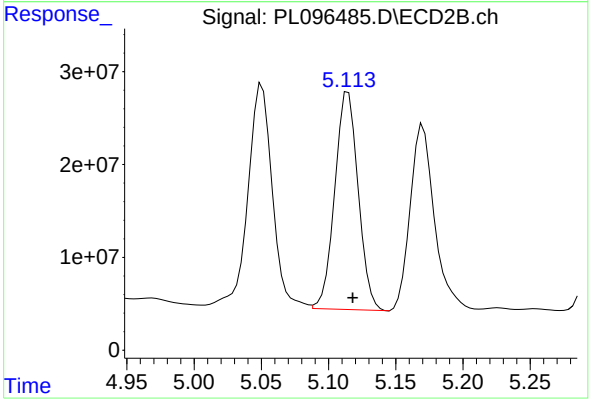
#25 Chlordane-3

R.T.: 5.051 min
Delta R.T.: -0.004 min
Response: 301011434
Conc: 374.14 ng/ml



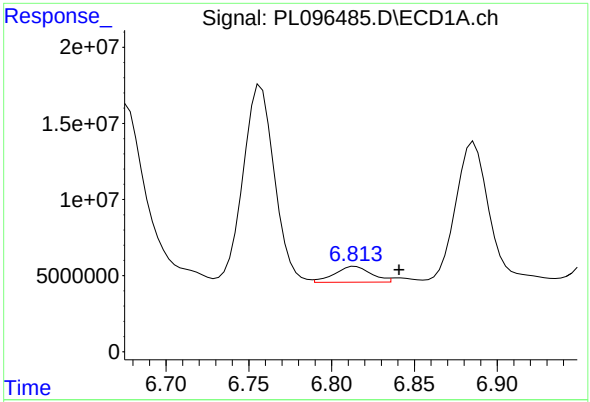
#26 Chlordane-4

R.T.: 5.998 min
Delta R.T.: -0.006 min
Response: 211707088
Conc: 235.96 ng/ml



#26 Chlordane-4

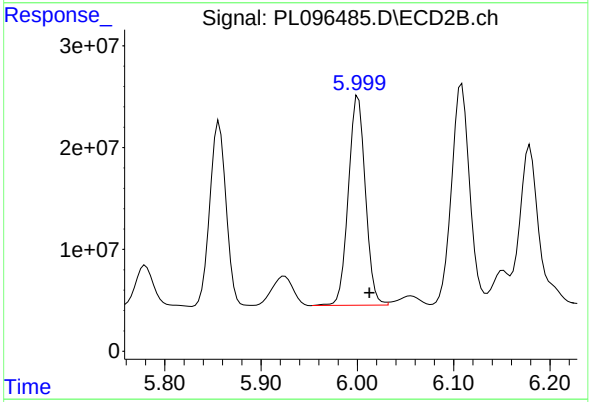
R.T.: 5.115 min
Delta R.T.: -0.003 min
Response: 283125528
Conc: 376.78 ng/ml



#27 Chlordane-5

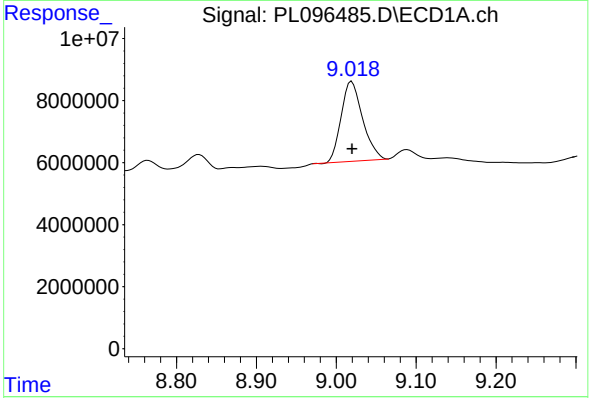
R.T.: 6.814 min
Delta R.T.: -0.026 min
Response: 15867270
Conc: 105.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



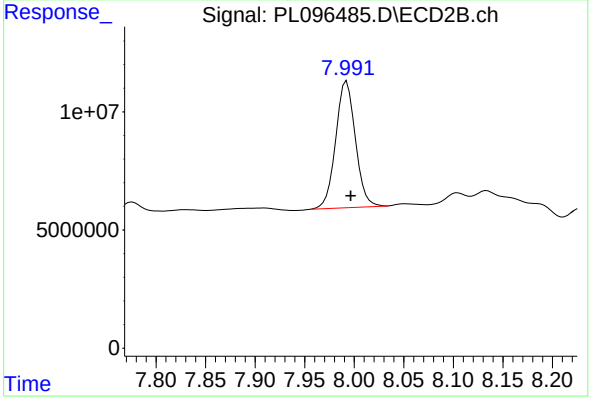
#27 Chlordane-5

R.T.: 6.001 min
Delta R.T.: -0.012 min
Response: 252296729
Conc: 890.09 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.019 min
Delta R.T.: 0.000 min
Response: 48153844
Conc: 17.12 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: -0.004 min
Response: 73981879
Conc: 14.84 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096486.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:19
Operator : AR\AJ
Sample : Q2635-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : ECD_L
ClientSampleId : RT2286MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:45:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.828	83067997	99006316	22.765	17.155	
28)	SA Decachlor...	9.020	7.994	46546754	70632540	16.547	14.165	
	Target Compounds							
2)	A alpha-BHC	3.983	3.333	248.3E6	369.9E6	48.269	43.858	
3)	MA gamma-BHC...	4.311	3.665	221.8E6	338.8E6	44.548	43.013	
4)	MA Heptachlor	4.904	4.014	219.1E6	331.0E6	47.821	43.507	
5)	MB Aldrin	5.244	4.297	240.6E6	323.8E6	49.781	44.384	
6)	B beta-BHC	4.498	3.961	89453895	134.6E6	43.032	39.312	
7)	B delta-BHC	4.744	4.194	207.4E6	325.2E6	46.285	42.219	
8)	B Heptachlo...	5.664	4.799	220.2E6	280.3E6	53.068	41.924	
9)	A Endosulfan I	6.046	5.171	192.0E6	249.1E6	47.566	34.726	#
10)	B gamma-Chl...	5.918	5.051	236.8E6	300.5E6	53.519	42.809	
11)	B alpha-Chl...	5.998	5.115	208.6E6	281.9E6	47.637	37.485	
12)	B 4,4'-DDE	6.168	5.304	161.2E6	252.7E6	43.477	39.103	
13)	MA Dieldrin	6.318	5.435	212.6E6	311.9E6	50.278	45.738	
14)	MA Endrin	6.545	5.710	164.0E6	256.8E6	52.722	42.121	
15)	B Endosulfa...	6.757	6.001	170.4E6	249.3E6	49.117	42.523	
16)	A 4,4'-DDD	6.677	5.857	184.0E6	207.3E6	63.201	40.411	#
17)	MA 4,4'-DDT	6.991	6.109	153.6E6	278.2E6	50.617	48.506	
18)	B Endrin al...	6.886	6.179	128.7E6	215.1E6	57.552	48.277	
19)	B Endosulfa...	7.119	6.403	158.0E6	267.9E6	51.664	47.623	
20)	A Methoxychlor	7.464	6.681	82126176	95102587	52.130	31.307	#
21)	B Endrin ke...	7.597	6.907	215.1E6	235.9E6	65.153	37.735	#
22)	Mirex	8.079	7.098	129.8E6	190.2E6	46.652	38.279	
23)	Chlordane-1	0.000	3.841	0	9362613	N.D.	39.612	#
24)	Chlordane-2	5.244f	0.000	240.6E6	0	1229.071	N.D.	#
25)	Chlordane-3	5.918	5.051	236.8E6	300.5E6	321.427	373.518	
26)	Chlordane-4	5.998	5.115	208.6E6	281.9E6	232.489	375.147	#
27)	Chlordane-5	6.814f	6.001	15920770	249.3E6	105.480	879.686	#

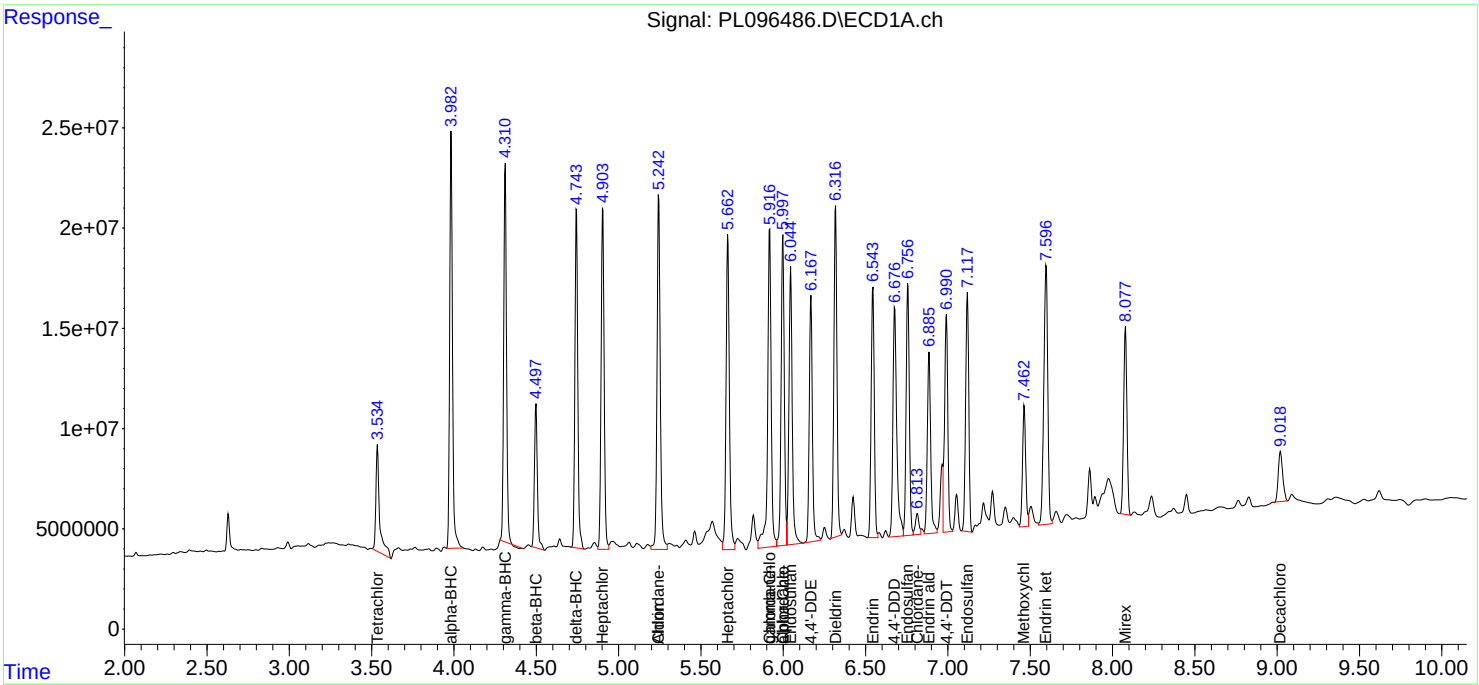
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

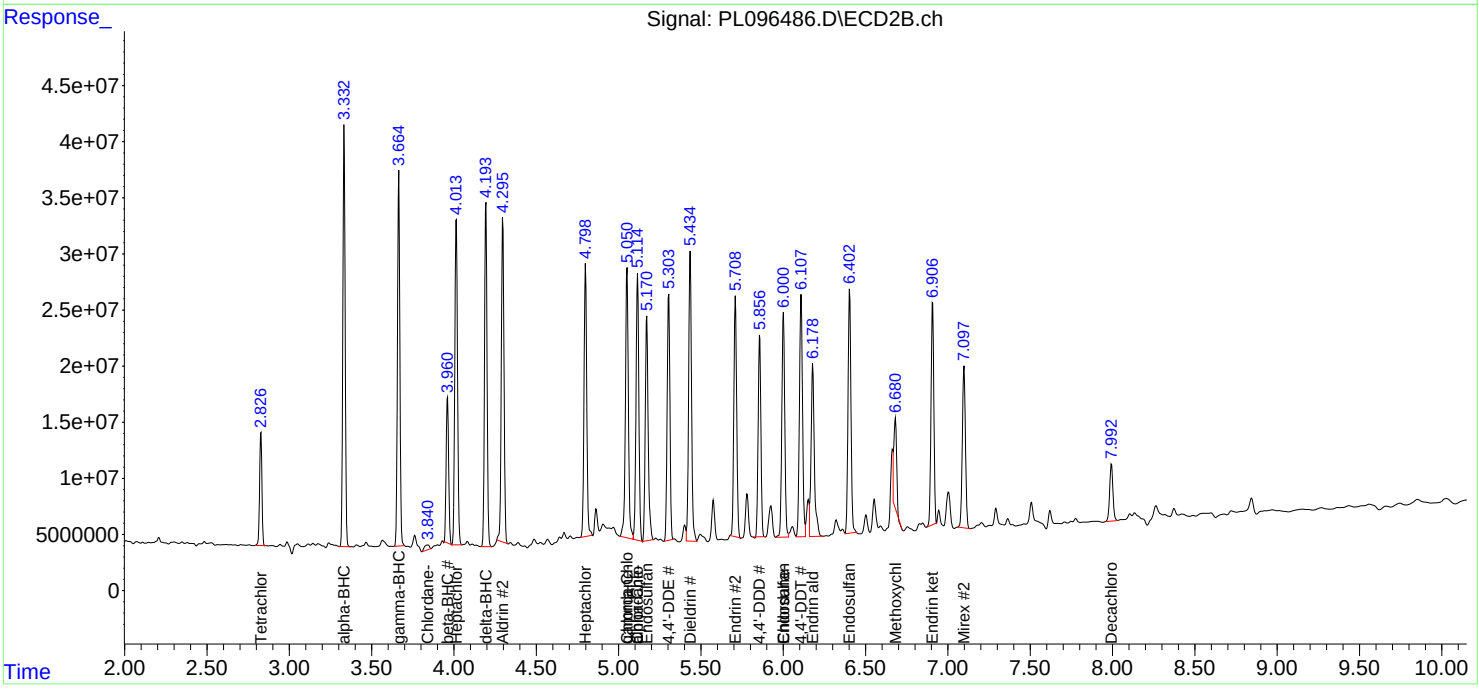
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096486.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:19
Operator : AR\AJ
Sample : Q2635-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

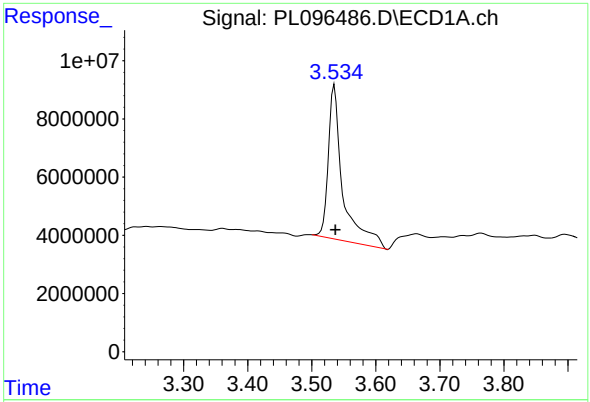
Instrument :
ECD_L
ClientSampleId :
RT2286MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:45:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



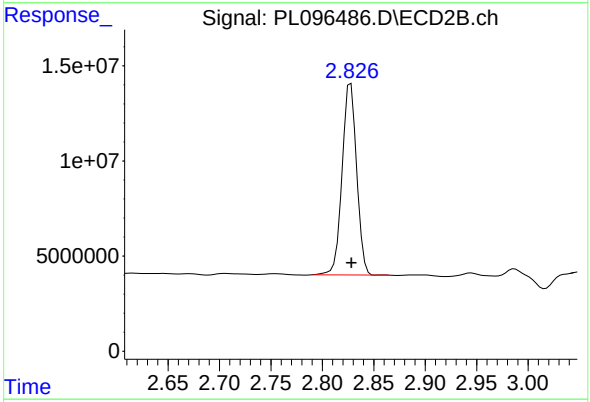




#1 Tetrachloro-m-xylene

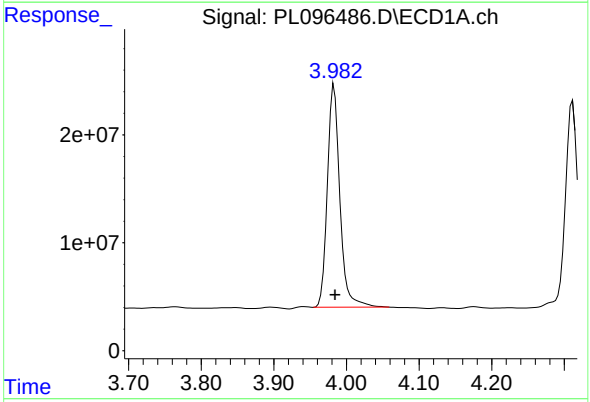
R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 83067997
Conc: 22.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



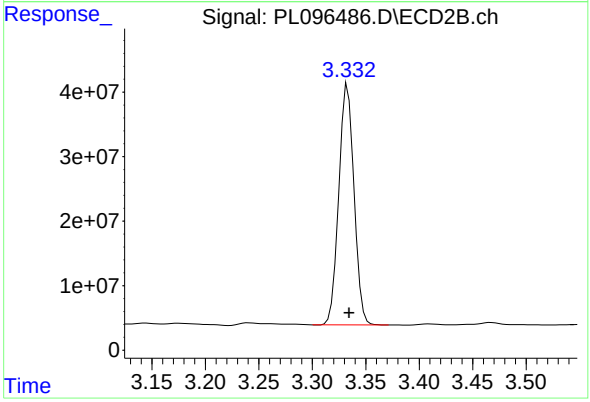
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 99006316
Conc: 17.16 ng/ml



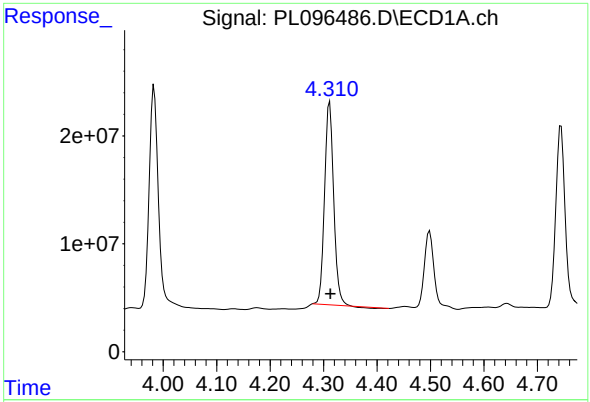
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: -0.001 min
Response: 248255323
Conc: 48.27 ng/ml



#2 alpha-BHC

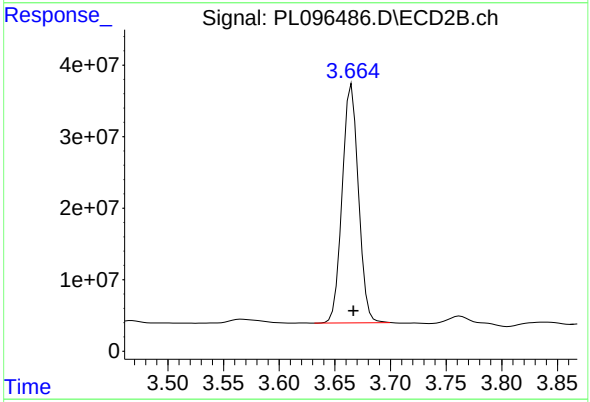
R.T.: 3.333 min
Delta R.T.: -0.001 min
Response: 369910903
Conc: 43.86 ng/ml



#3 gamma-BHC (Lindane)

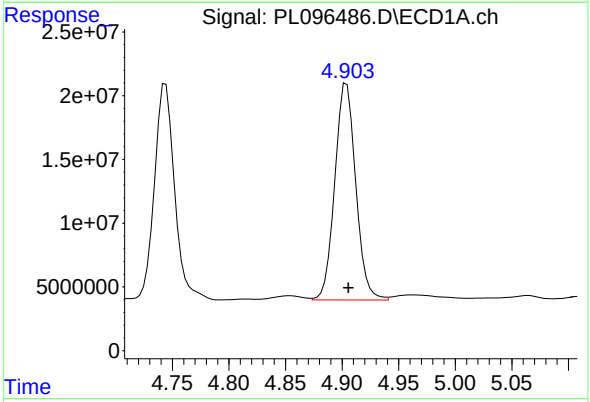
R.T.: 4.311 min
Delta R.T.: -0.002 min
Response: 221832492
Conc: 44.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



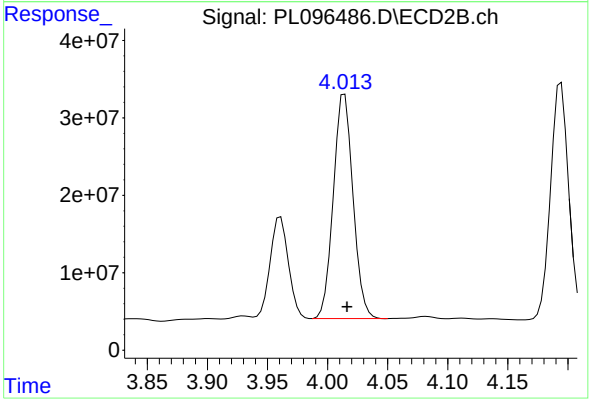
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: -0.001 min
Response: 338760978
Conc: 43.01 ng/ml



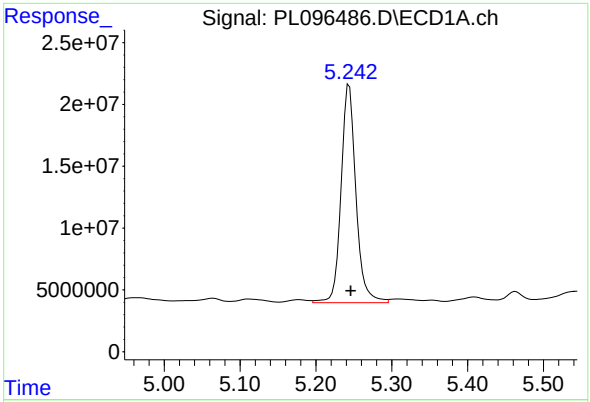
#4 Heptachlor

R.T.: 4.904 min
Delta R.T.: -0.001 min
Response: 219080076
Conc: 47.82 ng/ml



#4 Heptachlor

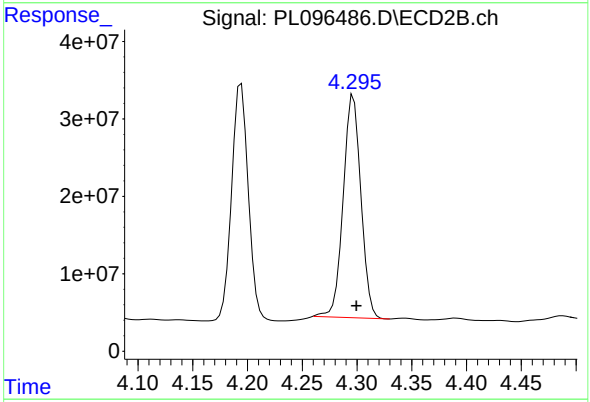
R.T.: 4.014 min
Delta R.T.: -0.002 min
Response: 330991751
Conc: 43.51 ng/ml



#5 Aldrin

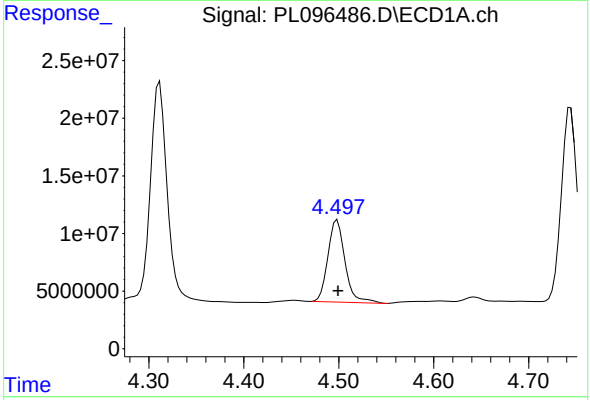
R.T.: 5.244 min
Delta R.T.: -0.002 min
Response: 240627539
Conc: 49.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



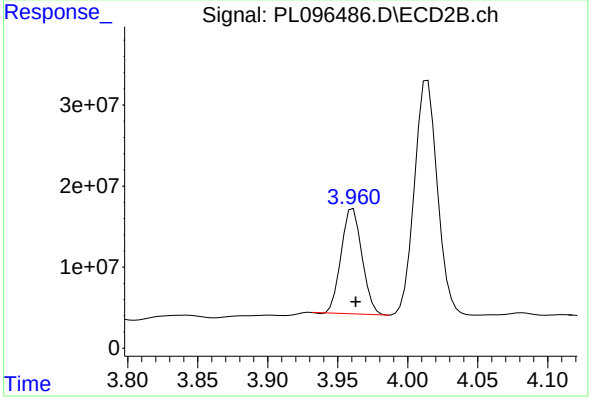
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: -0.002 min
Response: 323811610
Conc: 44.38 ng/ml



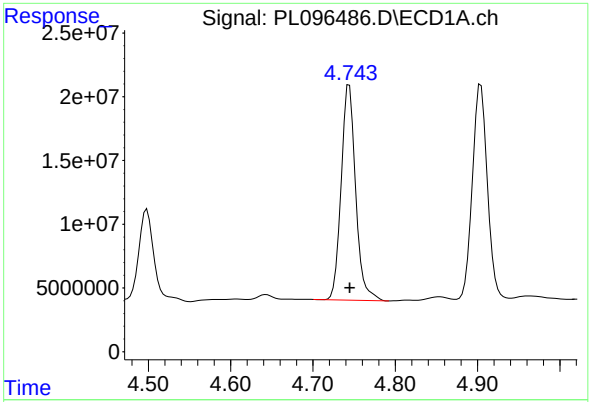
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: -0.001 min
Response: 89453895
Conc: 43.03 ng/ml



#6 beta-BHC

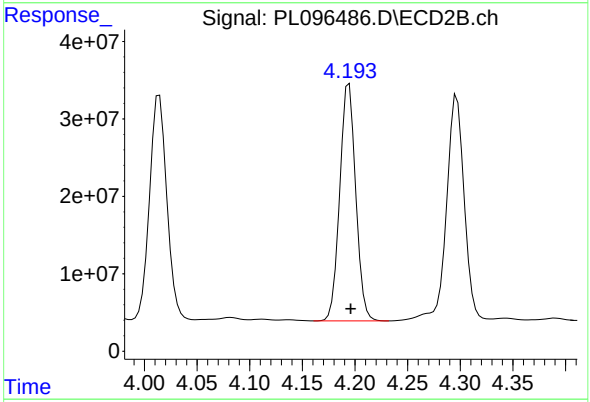
R.T.: 3.961 min
Delta R.T.: -0.002 min
Response: 134601742
Conc: 39.31 ng/ml



#7 delta-BHC

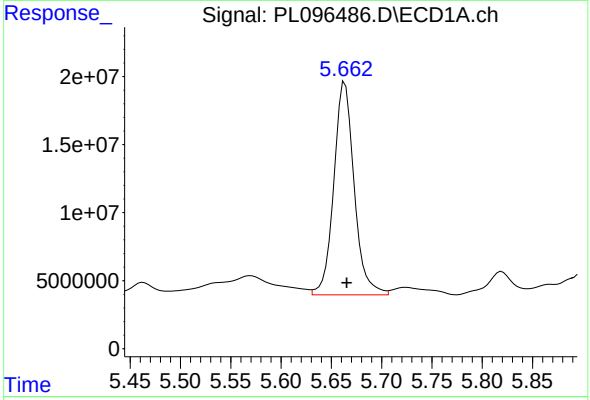
R.T.: 4.744 min
Delta R.T.: 0.000 min
Response: 207417305
Conc: 46.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



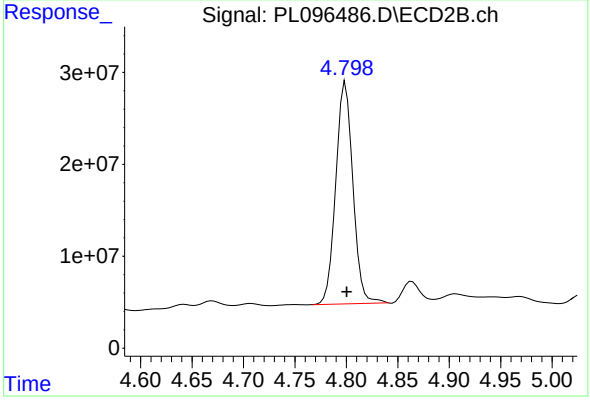
#7 delta-BHC

R.T.: 4.194 min
Delta R.T.: -0.002 min
Response: 325166817
Conc: 42.22 ng/ml



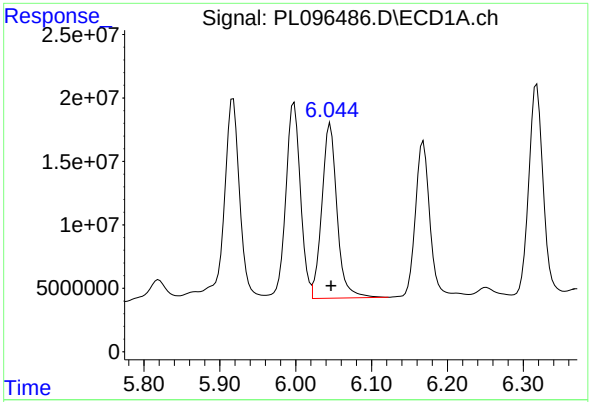
#8 Heptachlor epoxide

R.T.: 5.664 min
Delta R.T.: -0.002 min
Response: 220187841
Conc: 53.07 ng/ml



#8 Heptachlor epoxide

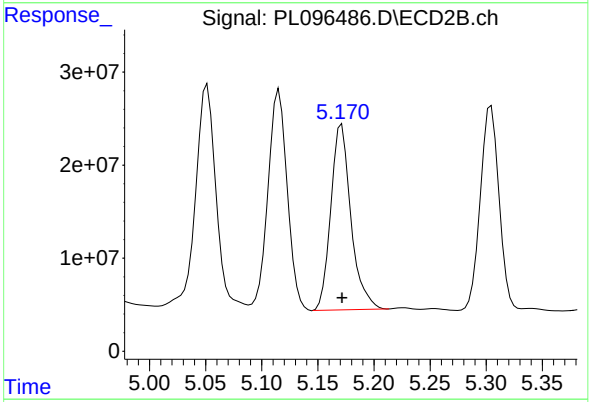
R.T.: 4.799 min
Delta R.T.: -0.001 min
Response: 280258916
Conc: 41.92 ng/ml



#9 Endosulfan I

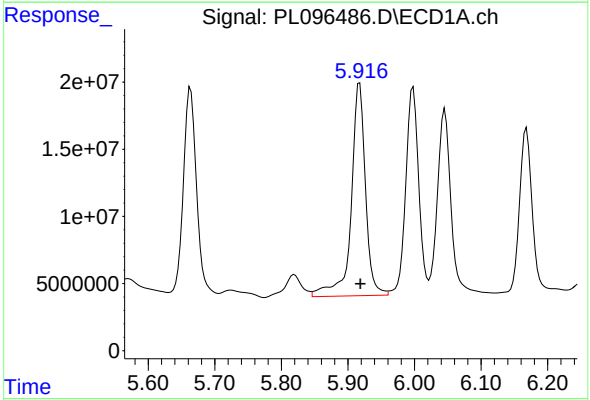
R.T.: 6.046 min
Delta R.T.: -0.001 min
Response: 192034717
Conc: 47.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



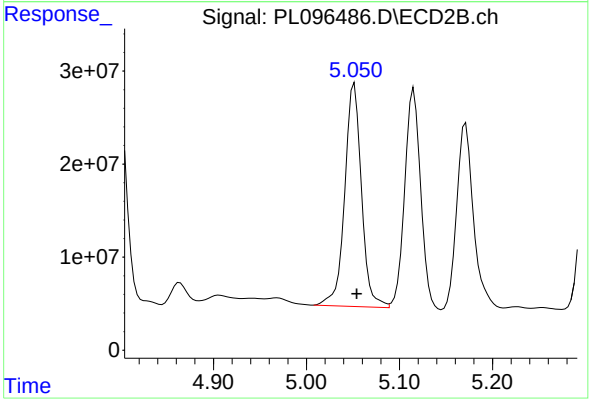
#9 Endosulfan I

R.T.: 5.171 min
Delta R.T.: 0.000 min
Response: 249129255
Conc: 34.73 ng/ml



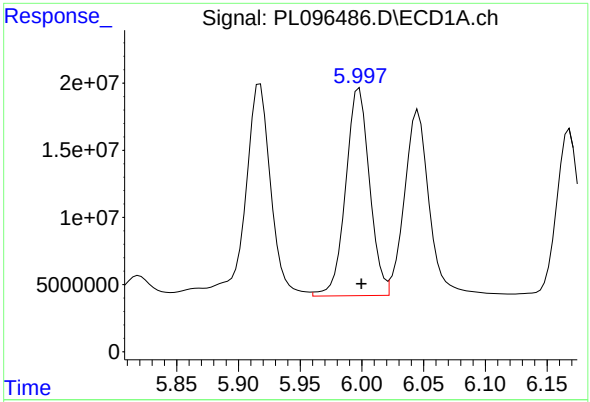
#10 gamma-Chlordane

R.T.: 5.918 min
Delta R.T.: -0.001 min
Response: 236812690
Conc: 53.52 ng/ml



#10 gamma-Chlordane

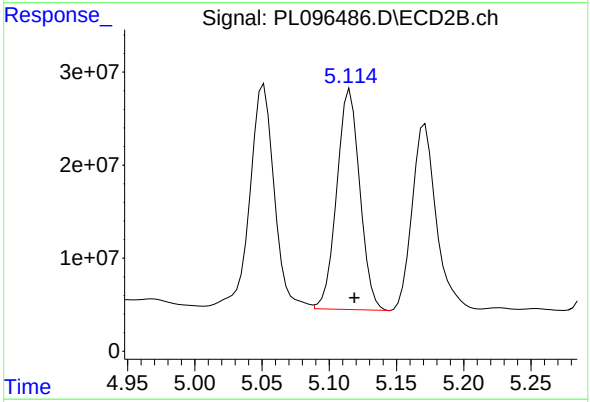
R.T.: 5.051 min
Delta R.T.: -0.003 min
Response: 300509123
Conc: 42.81 ng/ml



#11 alpha-Chlordane

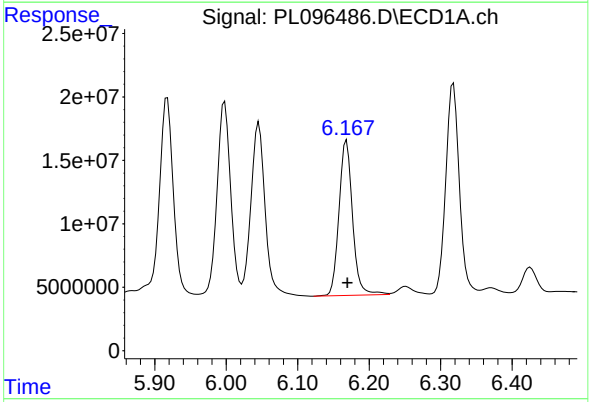
R.T.: 5.998 min
Delta R.T.: -0.002 min
Response: 208594827
Conc: 47.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



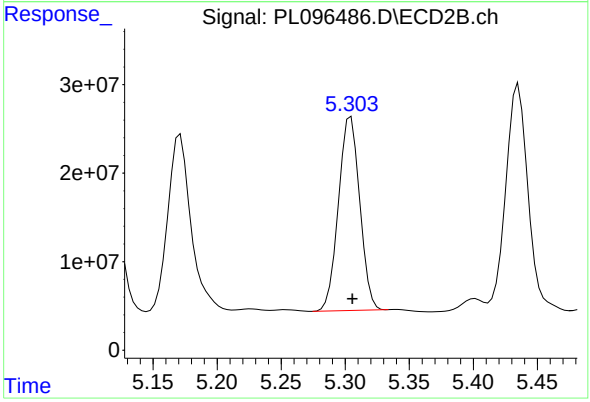
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.003 min
Response: 281895230
Conc: 37.48 ng/ml



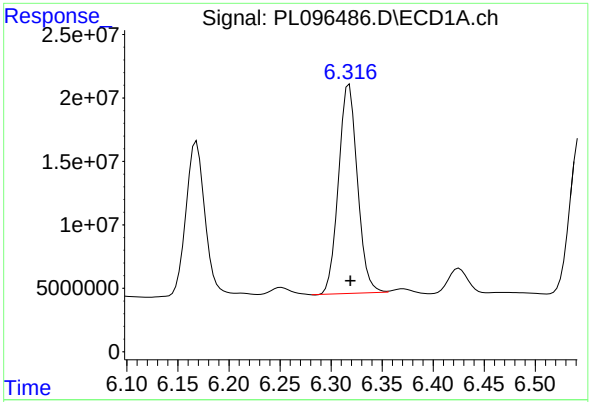
#12 4,4'-DDE

R.T.: 6.168 min
Delta R.T.: -0.001 min
Response: 161188898
Conc: 43.48 ng/ml



#12 4,4'-DDE

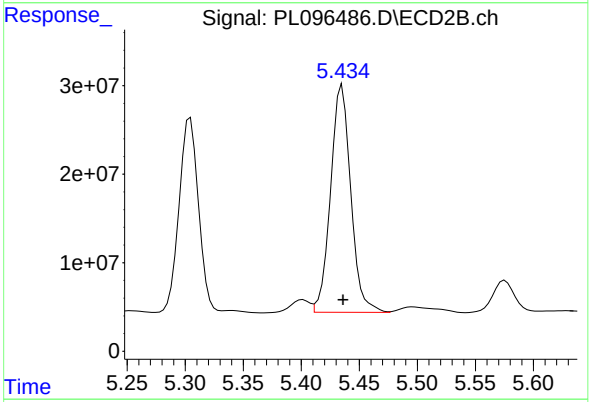
R.T.: 5.304 min
Delta R.T.: -0.001 min
Response: 252748541
Conc: 39.10 ng/ml



#13 Dieldrin

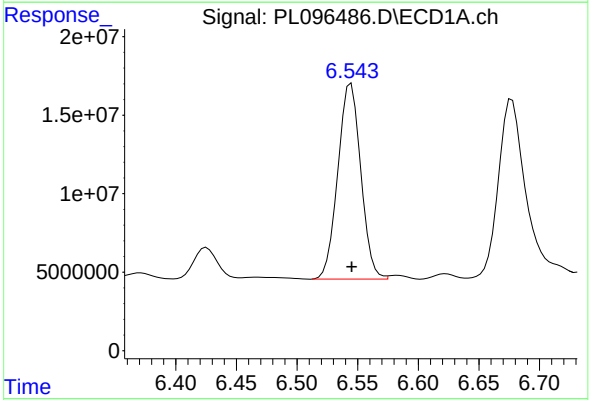
R.T.: 6.318 min
Delta R.T.: -0.001 min
Response: 212595047
Conc: 50.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



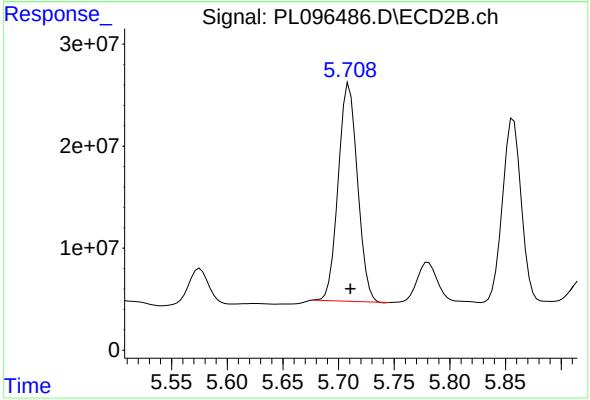
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: 0.000 min
Response: 311900838
Conc: 45.74 ng/ml



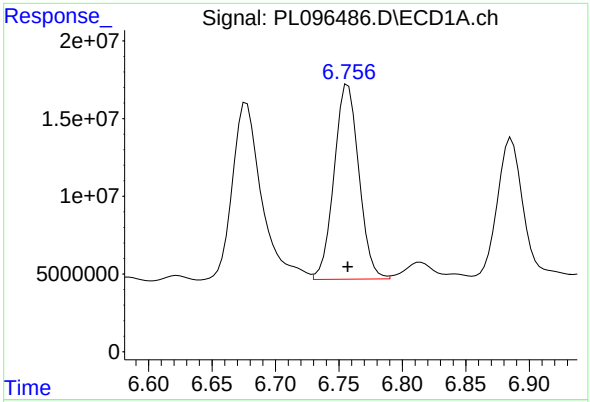
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 163977880
Conc: 52.72 ng/ml



#14 Endrin

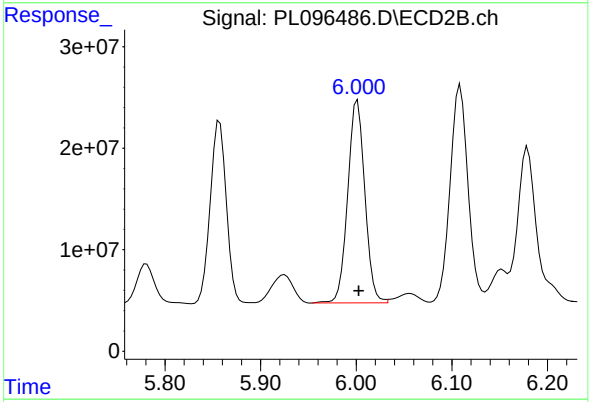
R.T.: 5.710 min
Delta R.T.: -0.001 min
Response: 256790190
Conc: 42.12 ng/ml



#15 Endosulfan II

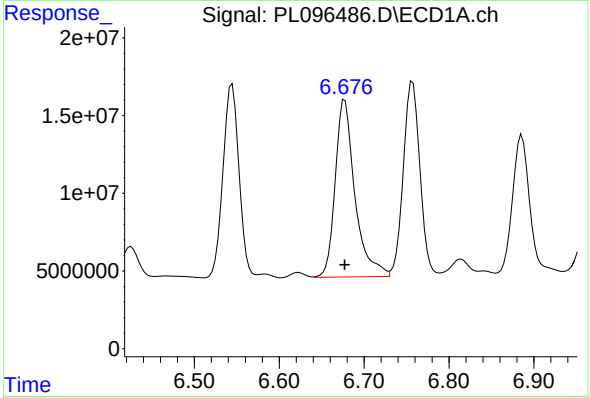
R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 170438313
Conc: 49.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



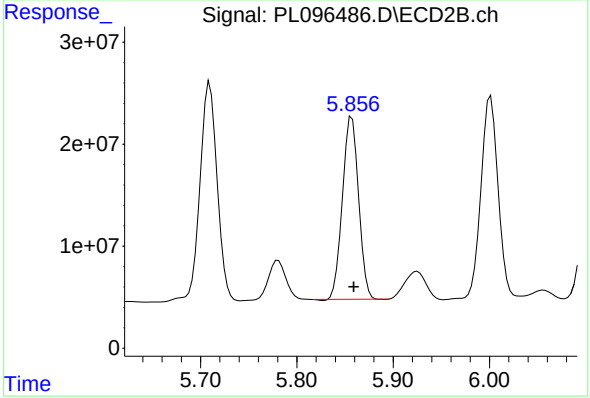
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: -0.001 min
Response: 249347370
Conc: 42.52 ng/ml



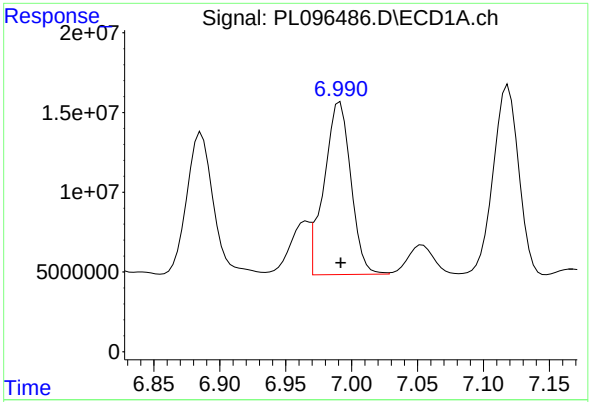
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 184022980
Conc: 63.20 ng/ml



#16 4,4'-DDD

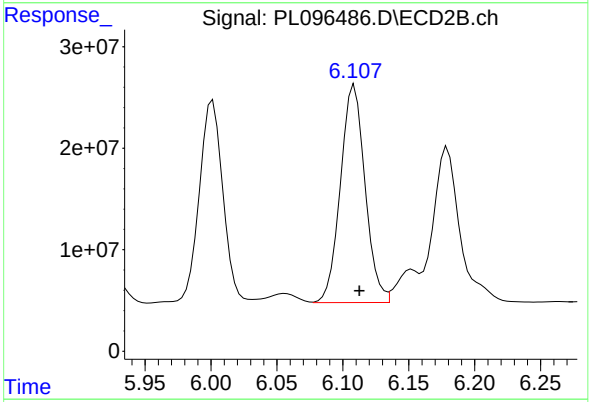
R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 207253912
Conc: 40.41 ng/ml



#17 4,4'-DDT

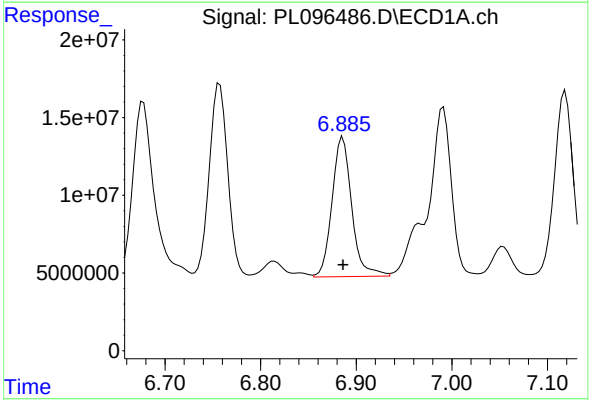
R.T.: 6.991 min
Delta R.T.: 0.000 min
Response: 153631870
Conc: 50.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



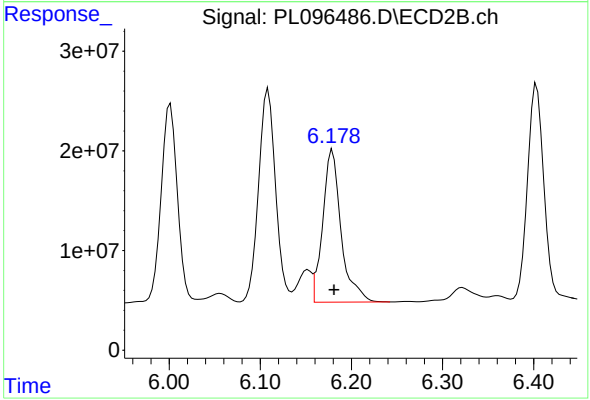
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: -0.004 min
Response: 278186278
Conc: 48.51 ng/ml



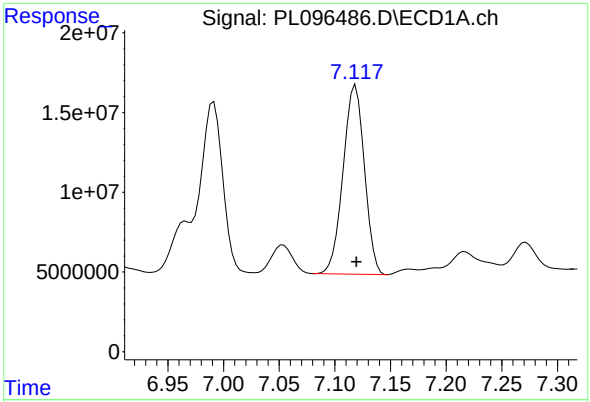
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 128660097
Conc: 57.55 ng/ml



#18 Endrin aldehyde

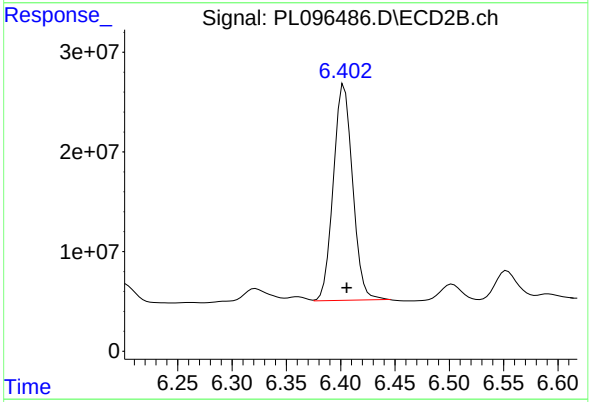
R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 215056220
Conc: 48.28 ng/ml



#19 Endosulfan Sulfate

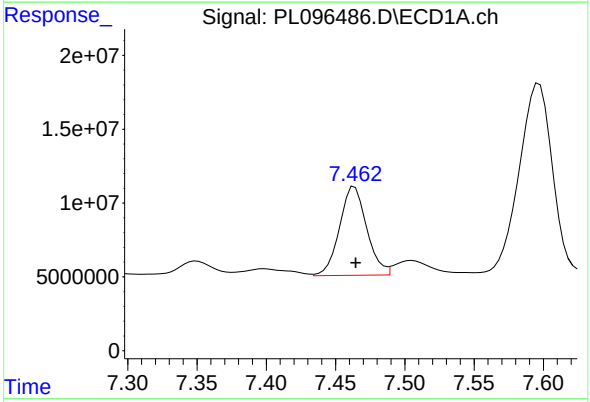
R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 158031598
Conc: 51.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



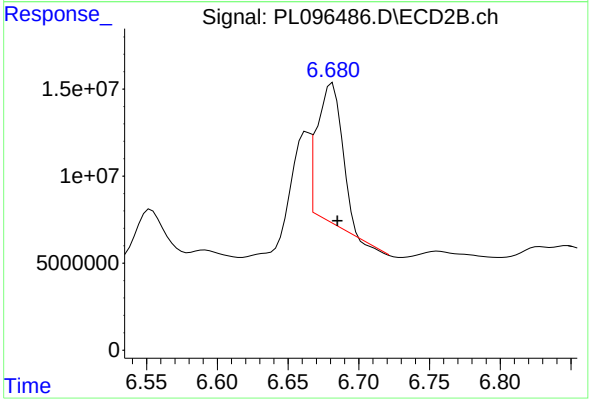
#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: -0.002 min
Response: 267851671
Conc: 47.62 ng/ml



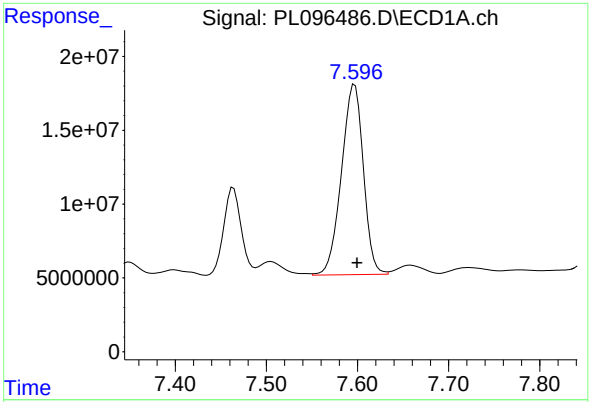
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 82126176
Conc: 52.13 ng/ml



#20 Methoxychlor

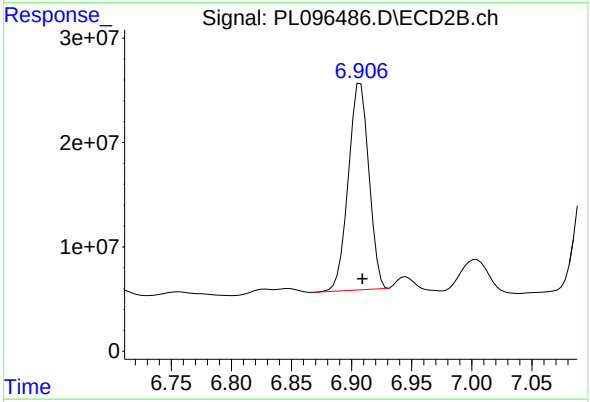
R.T.: 6.681 min
Delta R.T.: -0.003 min
Response: 95102587
Conc: 31.31 ng/ml



#21 Endrin ketone

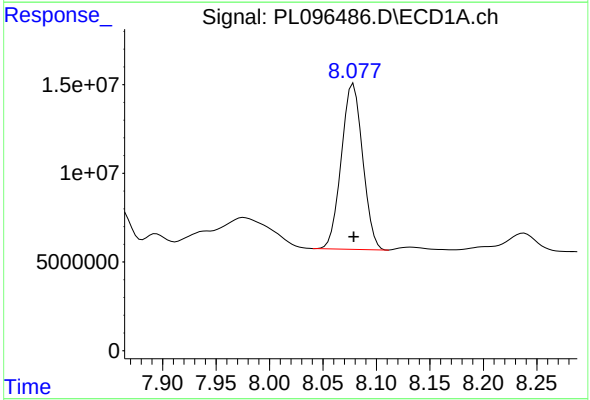
R.T.: 7.597 min
Delta R.T.: -0.002 min
Response: 215112605
Conc: 65.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



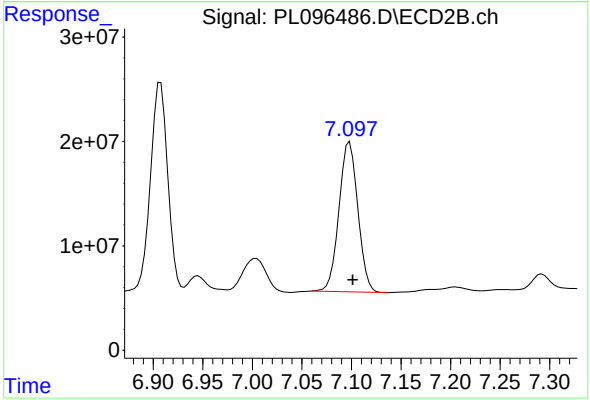
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: -0.002 min
Response: 235926998
Conc: 37.73 ng/ml



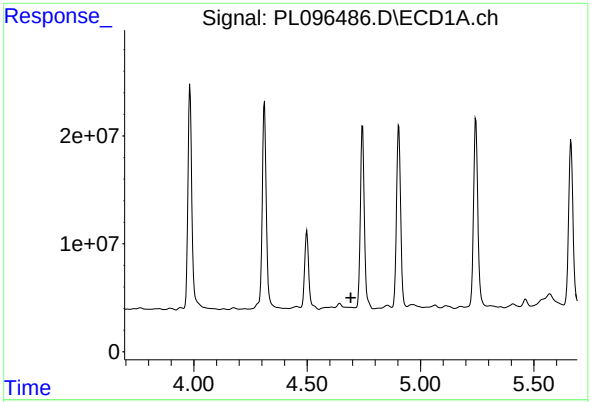
#22 Mirex

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 129796050
Conc: 46.65 ng/ml



#22 Mirex

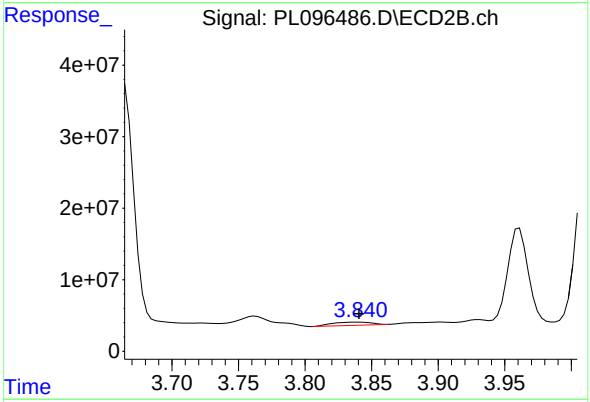
R.T.: 7.098 min
Delta R.T.: -0.003 min
Response: 190179361
Conc: 38.28 ng/ml



#23 Chlordane-1

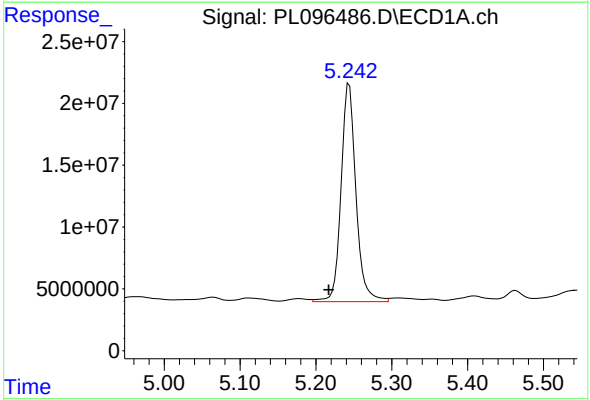
R.T.: 0.000 min
Exp R.T. : 4.693 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



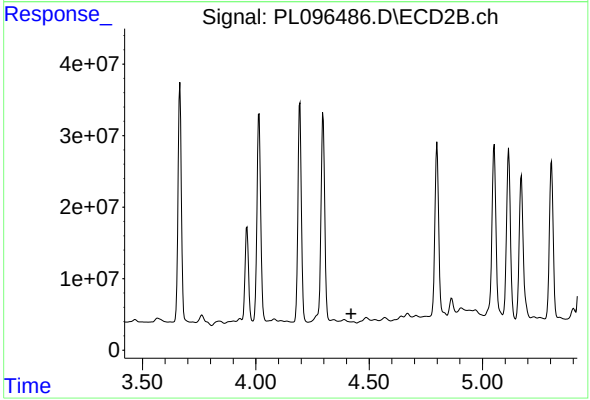
#23 Chlordane-1

R.T.: 3.841 min
Delta R.T.: 0.000 min
Response: 9362613
Conc: 39.61 ng/ml



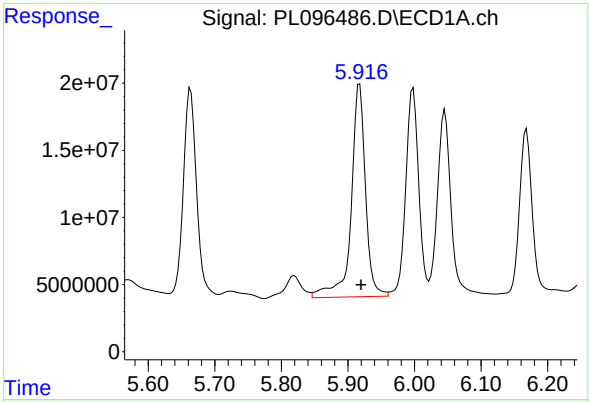
#24 Chlordane-2

R.T.: 5.244 min
Delta R.T.: 0.027 min
Response: 240627539
Conc: 1229.07 ng/ml



#24 Chlordane-2

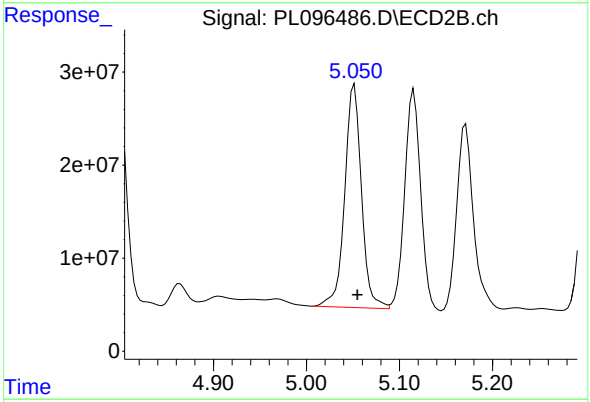
R.T.: 0.000 min
Exp R.T. : 4.420 min
Response: 0
Conc: N.D.



#25 Chlordane-3

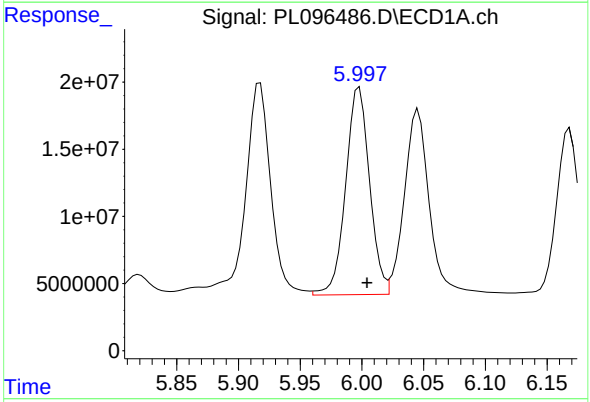
R.T.: 5.918 min
Delta R.T.: -0.002 min
Response: 236812690
Conc: 321.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



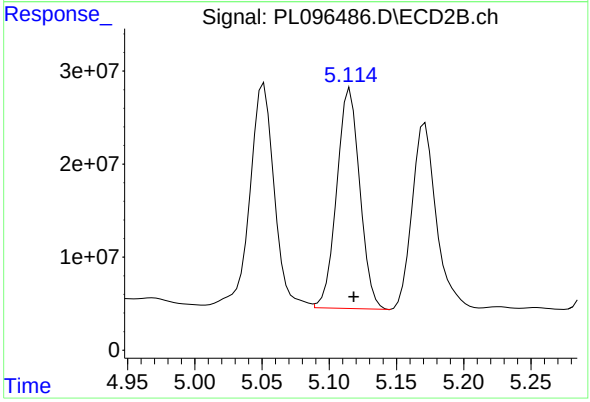
#25 Chlordane-3

R.T.: 5.051 min
Delta R.T.: -0.003 min
Response: 300509123
Conc: 373.52 ng/ml



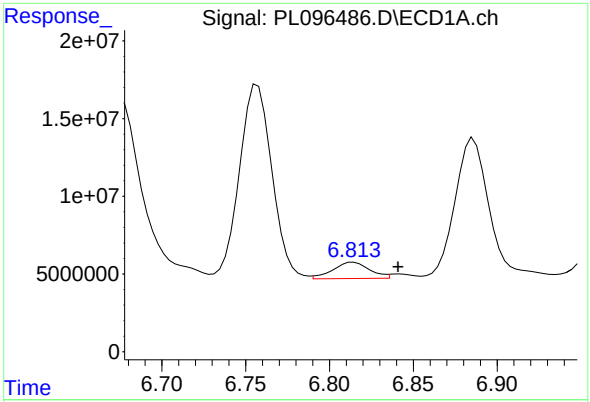
#26 Chlordane-4

R.T.: 5.998 min
Delta R.T.: -0.006 min
Response: 208594827
Conc: 232.49 ng/ml



#26 Chlordane-4

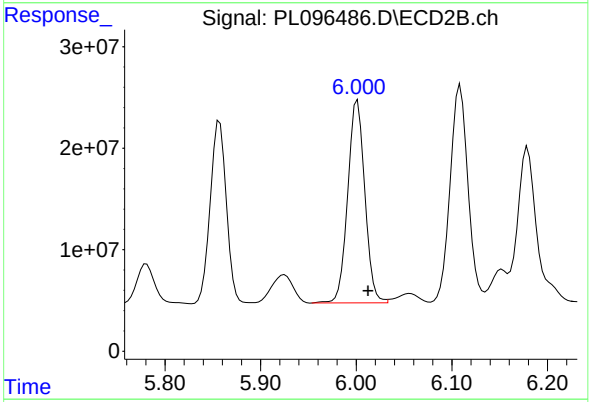
R.T.: 5.115 min
Delta R.T.: -0.003 min
Response: 281895230
Conc: 375.15 ng/ml



#27 Chlordane-5

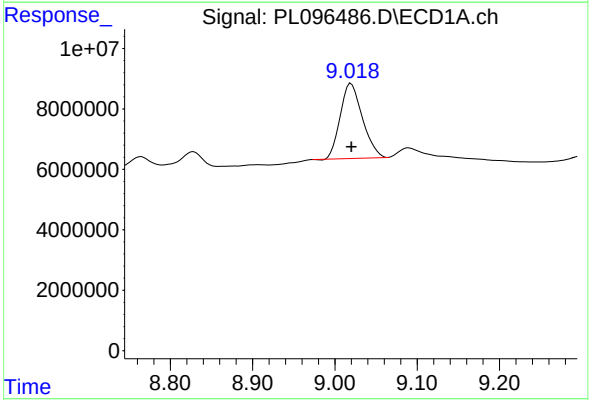
R.T.: 6.814 min
Delta R.T.: -0.026 min
Response: 15920770
Conc: 105.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



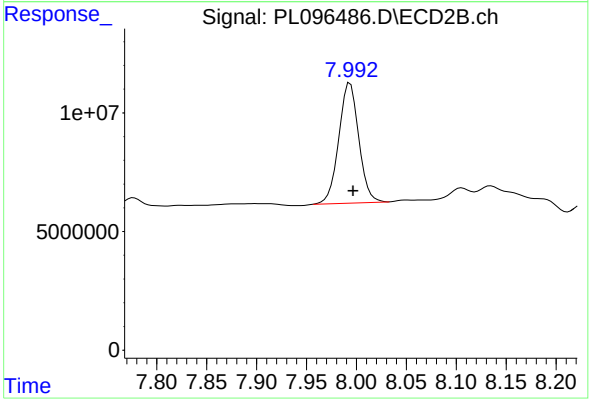
#27 Chlordane-5

R.T.: 6.001 min
Delta R.T.: -0.011 min
Response: 249347370
Conc: 879.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 46546754
Conc: 16.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 70632540
Conc: 14.16 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096493.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:08
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: Jul 22 01:47:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.829	197.4E6	325.1E6	54.107	56.332	
28)	SA Decachlor...	9.021	7.995	127.6E6	205.1E6	45.348	41.122	
	Target Compounds							
2)	A alpha-BHC	3.985	3.335	284.3E6	488.9E6	55.281	57.967	
3)	MA gamma-BHC...	4.313	3.667	270.3E6	447.0E6	54.276	56.761	
4)	MA Heptachlor	4.905	4.016	236.6E6	410.1E6	51.654	53.899	
5)	MB Aldrin	5.244	4.299	248.5E6	408.6E6	51.409	56.009	
6)	B beta-BHC	4.499	3.963	115.1E6	188.5E6	55.375	55.060	
7)	B delta-BHC	4.745	4.196	251.7E6	434.2E6	56.170	56.375	
8)	B Heptachlo...	5.664	4.801	248.0E6	356.3E6	59.766	53.293	
9)	A Endosulfan I	6.046	5.172	210.0E6	319.7E6	52.023	44.558	
10)	B gamma-Chl...	5.918	5.052	274.4E6	371.1E6	62.018	52.871	
11)	B alpha-Chl...	5.999	5.117	227.6E6	360.4E6	51.984	47.927	
12)	B 4,4'-DDE	6.169	5.306	188.0E6	336.2E6	50.705	52.019	
13)	MA Dieldrin	6.319	5.436	207.9E6	354.2E6	49.158	51.938	
14)	MA Endrin	6.545	5.711	159.3E6	317.2E6	51.234	52.033	
15)	B Endosulfa...	6.758	6.003	195.3E6	287.0E6	56.277	48.942	
16)	A 4,4'-DDD	6.678	5.858	168.6E6	277.1E6	57.899	54.025	
17)	MA 4,4'-DDT	6.992	6.111	140.3E6	242.6E6	46.217	42.301	
18)	B Endrin al...	6.886	6.181	127.1E6	200.6E6	56.839	45.024	
19)	B Endosulfa...	7.120	6.405	147.2E6	270.0E6	48.111	48.012	
20)	A Methoxychlor	7.464	6.683	74352715	123.2E6	47.196	40.572	
21)	B Endrin ke...	7.599	6.909	156.5E6	288.8E6	47.399	46.189	
22)	Mirex	8.080	7.100	127.2E6	212.1E6	45.727	42.694	
24)	Chlordane-2	5.244f	4.437	248.5E6	-1703063	1269.269	N.D.	#
25)	Chlordane-3	5.918	5.052	274.4E6	371.1E6	372.470	461.308	
26)	Chlordane-4	5.999	5.117	227.6E6	360.4E6	253.704	479.650	#
27)	Chlordane-5	0.000	6.003	0	287.0E6	N.D.	1012.483	#

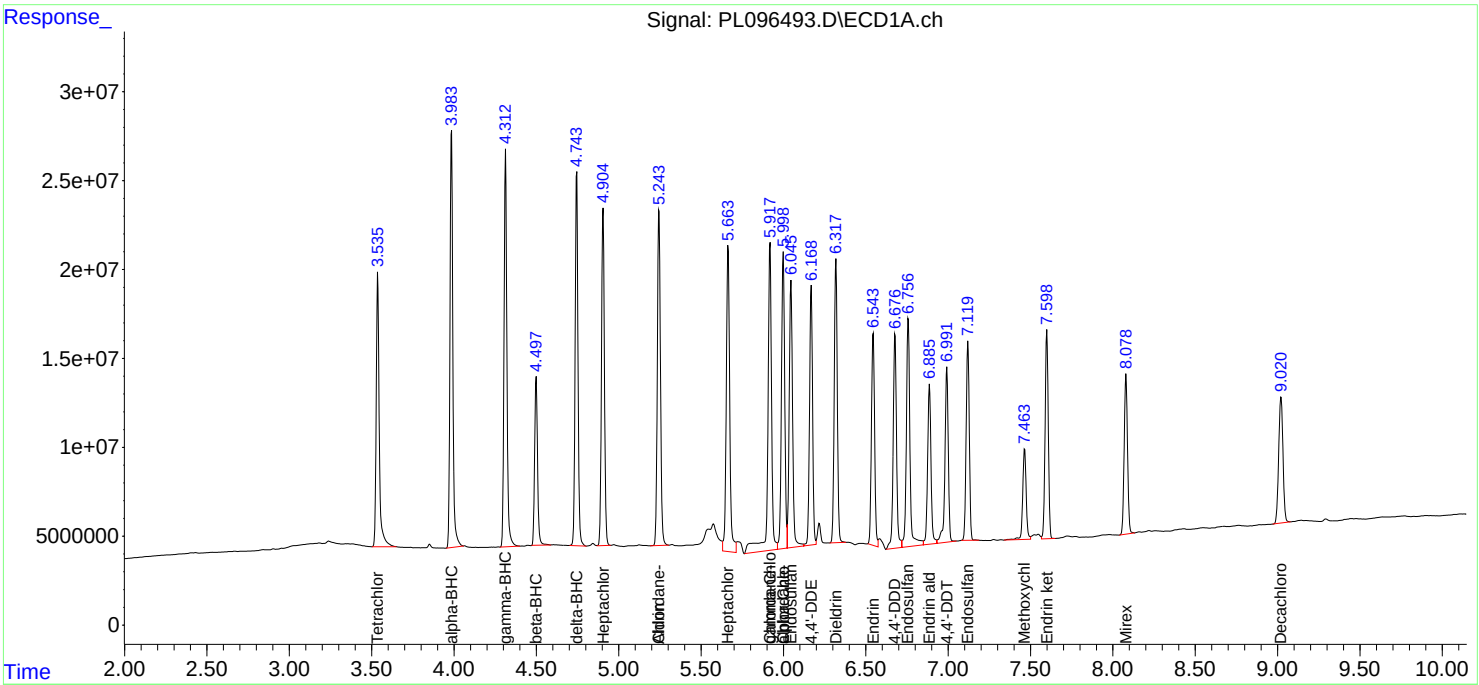
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

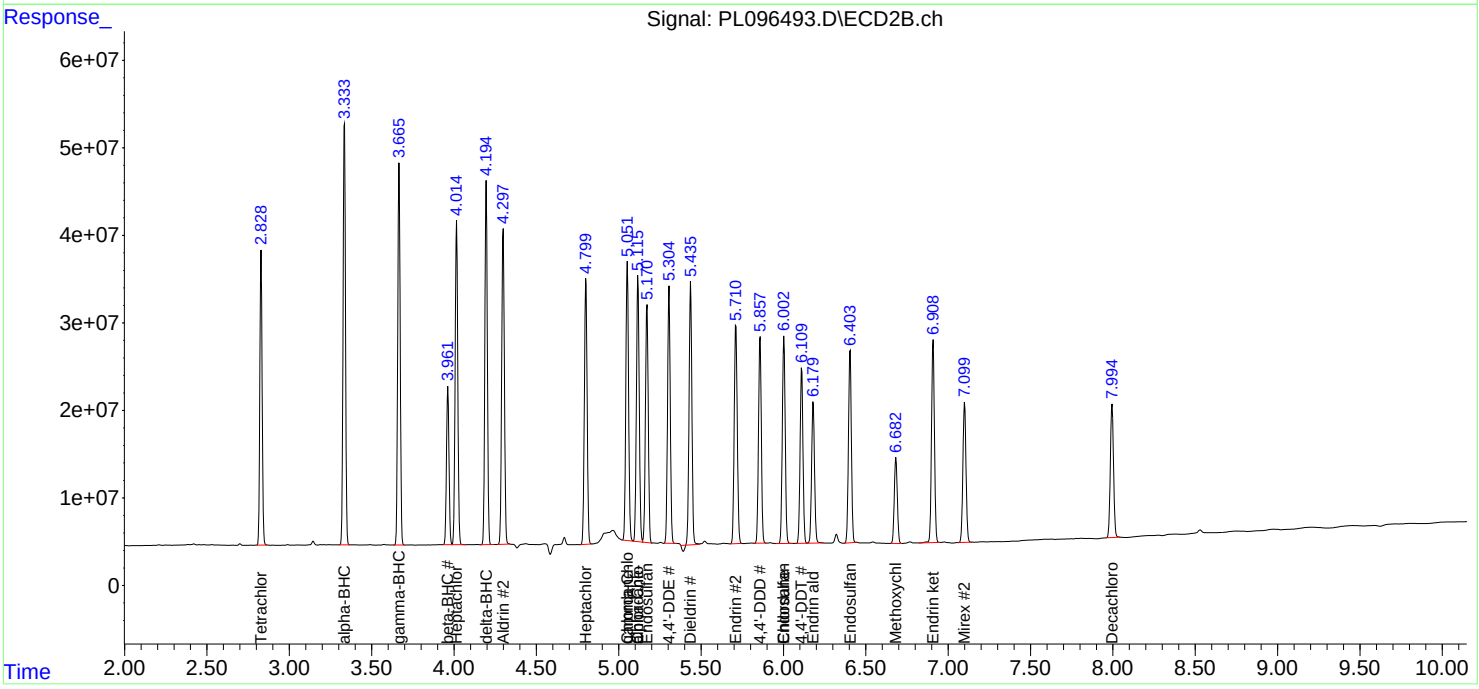
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096493.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:08
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

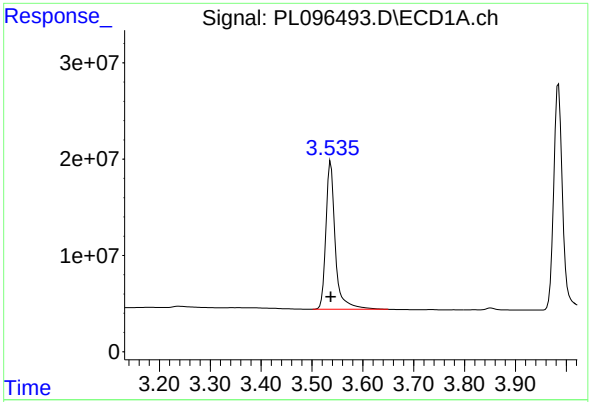
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:47:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



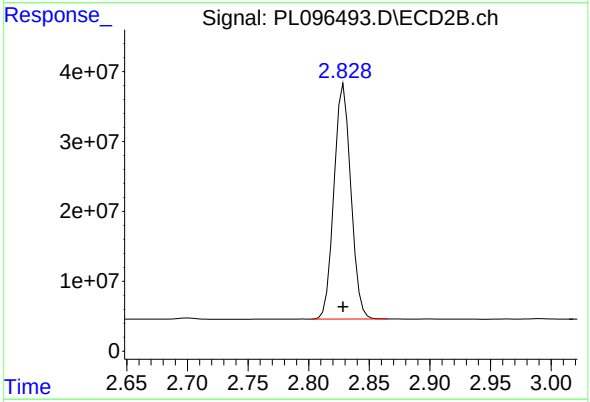




#1 Tetrachloro-m-xylene

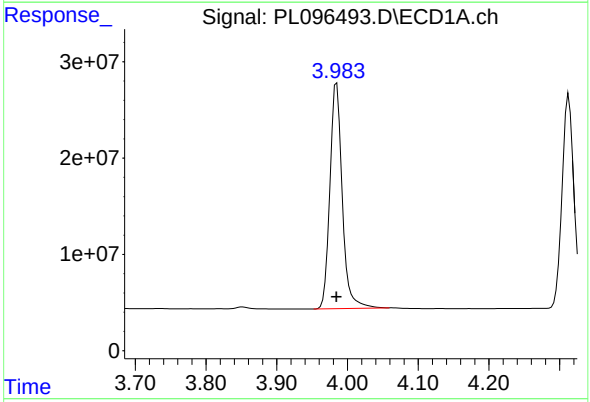
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 197433420
Conc: 54.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



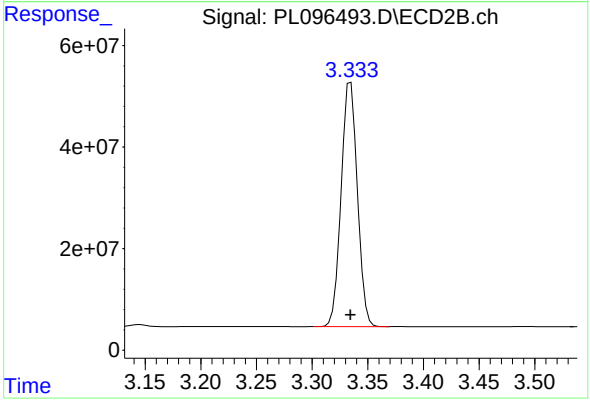
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 325102833
Conc: 56.33 ng/ml



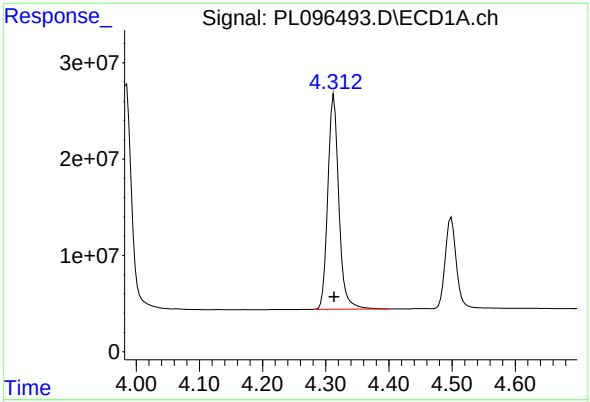
#2 alpha-BHC

R.T.: 3.985 min
Delta R.T.: 0.000 min
Response: 284319155
Conc: 55.28 ng/ml



#2 alpha-BHC

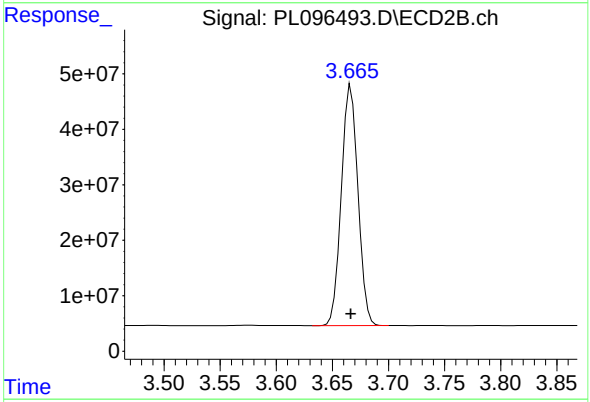
R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 488912408
Conc: 57.97 ng/ml



#3 gamma-BHC (Lindane)

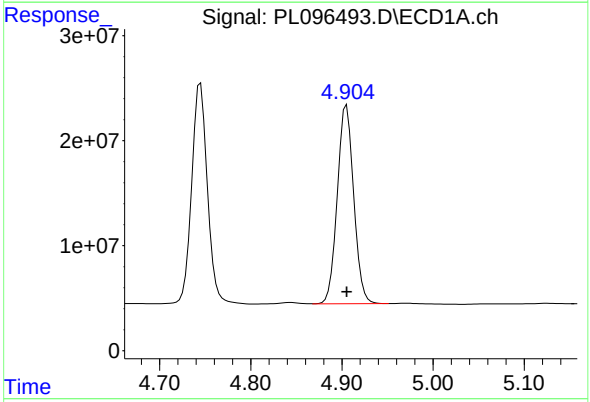
R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 270277240
Conc: 54.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



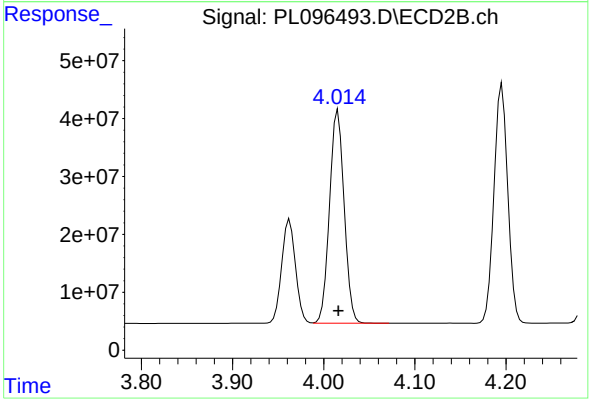
#3 gamma-BHC (Lindane)

R.T.: 3.667 min
Delta R.T.: 0.000 min
Response: 447042519
Conc: 56.76 ng/ml



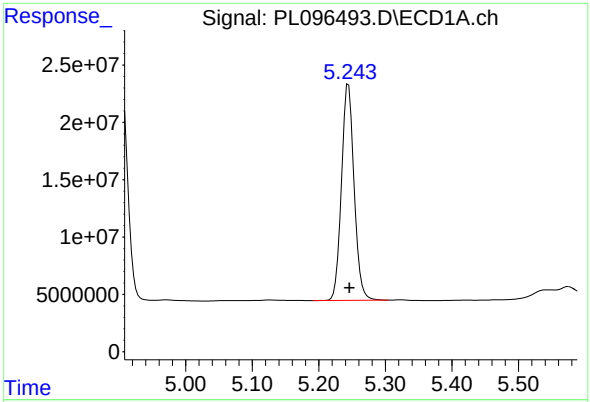
#4 Heptachlor

R.T.: 4.905 min
Delta R.T.: 0.000 min
Response: 236639992
Conc: 51.65 ng/ml



#4 Heptachlor

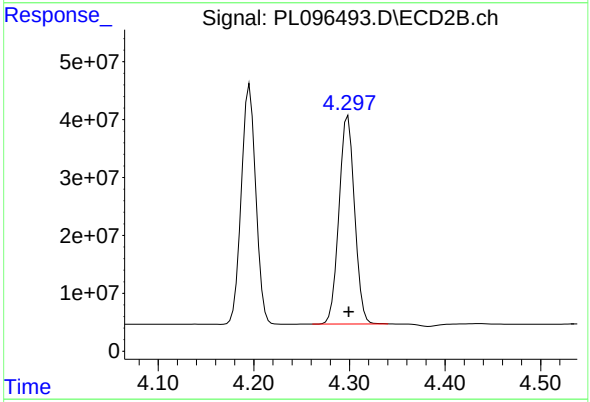
R.T.: 4.016 min
Delta R.T.: 0.000 min
Response: 410052631
Conc: 53.90 ng/ml



#5 Aldrin

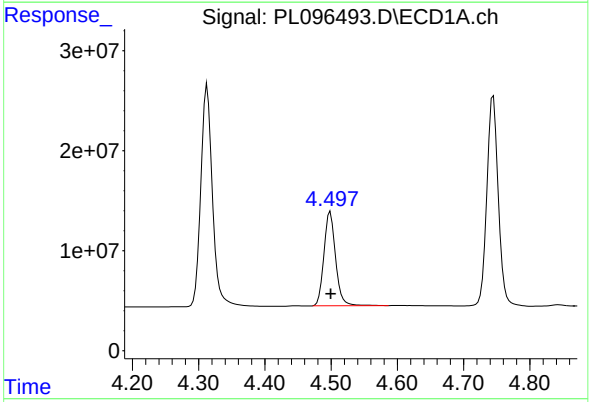
R.T.: 5.244 min
Delta R.T.: -0.001 min
Response: 248497535
Conc: 51.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



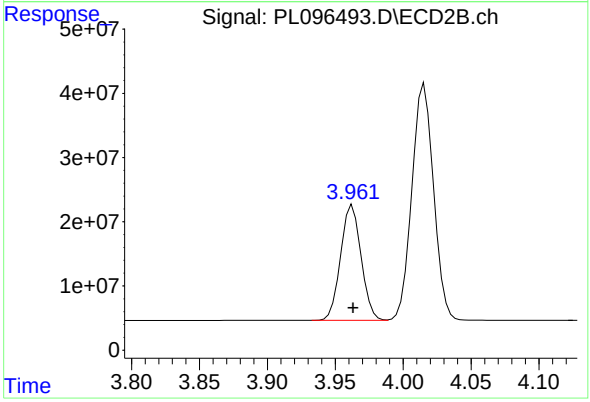
#5 Aldrin

R.T.: 4.299 min
Delta R.T.: 0.000 min
Response: 408622886
Conc: 56.01 ng/ml



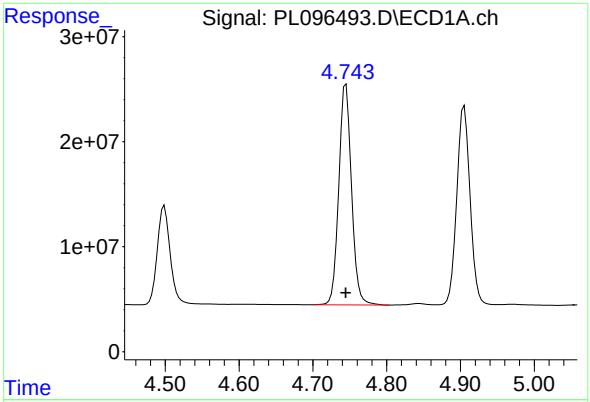
#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 115113441
Conc: 55.38 ng/ml



#6 beta-BHC

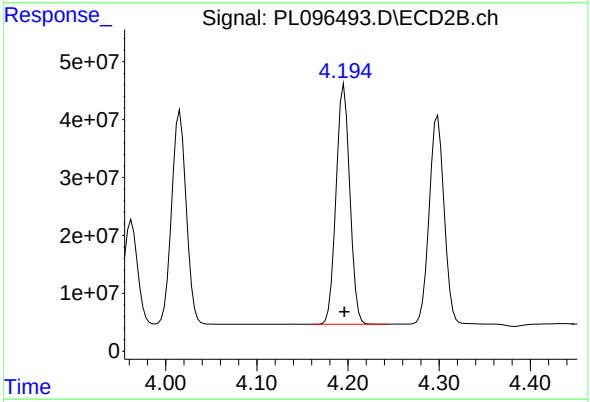
R.T.: 3.963 min
Delta R.T.: 0.000 min
Response: 188521058
Conc: 55.06 ng/ml



#7 delta-BHC

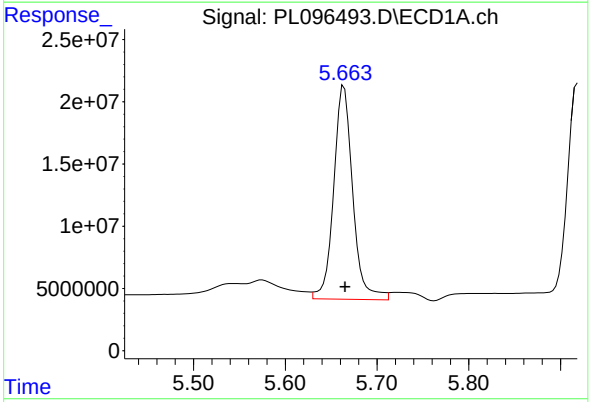
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 251716510
Conc: 56.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



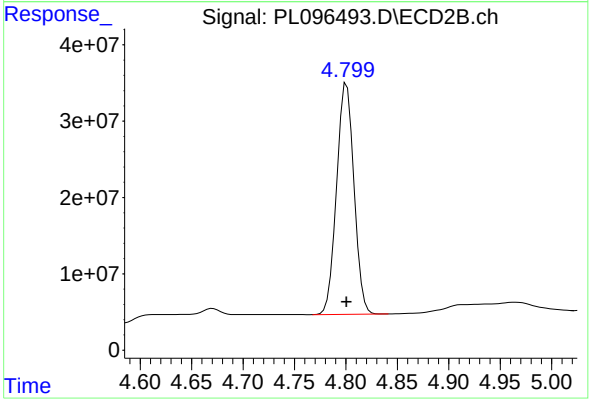
#7 delta-BHC

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 434191743
Conc: 56.37 ng/ml



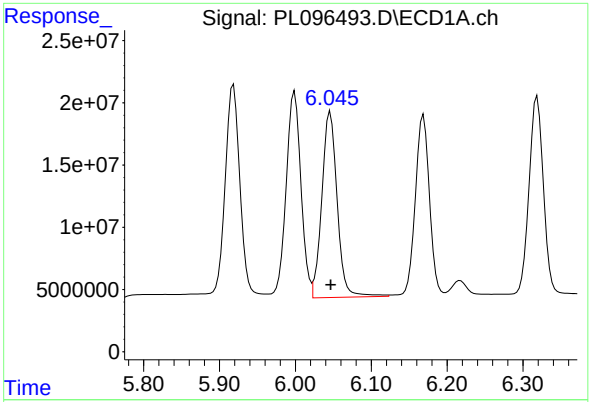
#8 Heptachlor epoxide

R.T.: 5.664 min
Delta R.T.: -0.001 min
Response: 247977318
Conc: 59.77 ng/ml



#8 Heptachlor epoxide

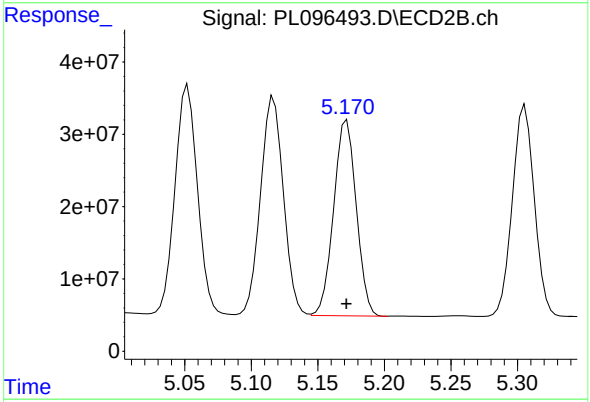
R.T.: 4.801 min
Delta R.T.: 0.000 min
Response: 356259430
Conc: 53.29 ng/ml



#9 Endosulfan I

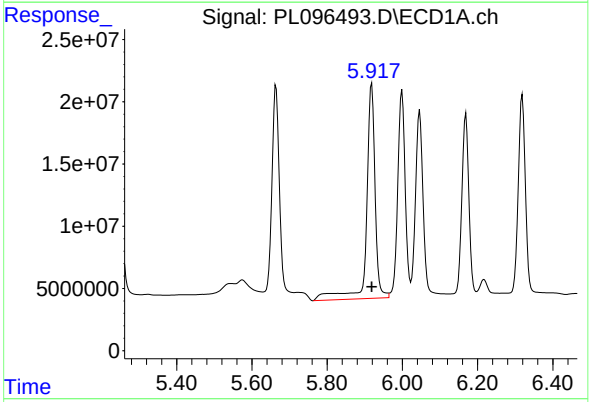
R.T.: 6.046 min
Delta R.T.: 0.000 min
Response: 210030023
Conc: 52.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



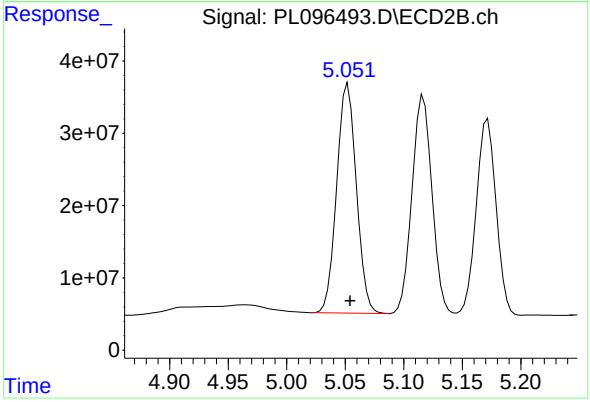
#9 Endosulfan I

R.T.: 5.172 min
Delta R.T.: 0.000 min
Response: 319669016
Conc: 44.56 ng/ml



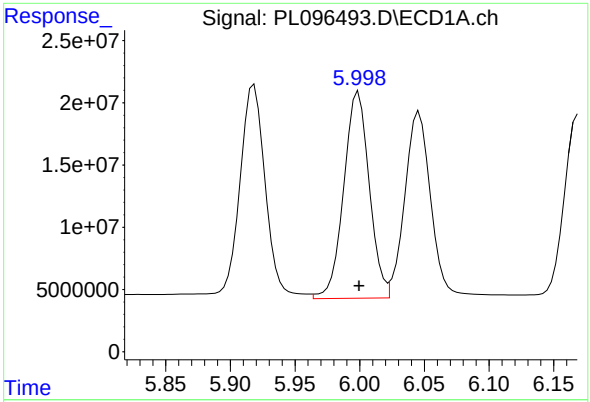
#10 gamma-Chlordane

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 274418686
Conc: 62.02 ng/ml



#10 gamma-Chlordane

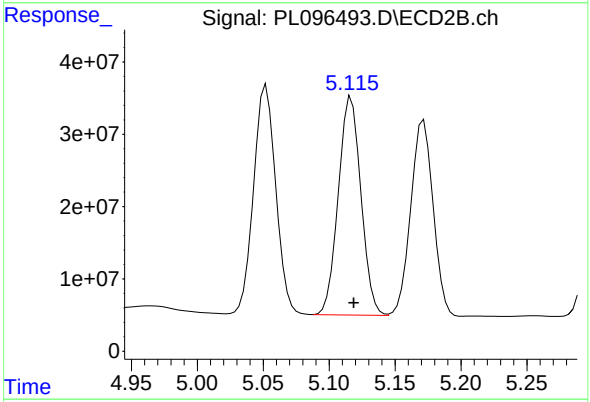
R.T.: 5.052 min
Delta R.T.: -0.002 min
Response: 371139869
Conc: 52.87 ng/ml



#11 alpha-Chlordane

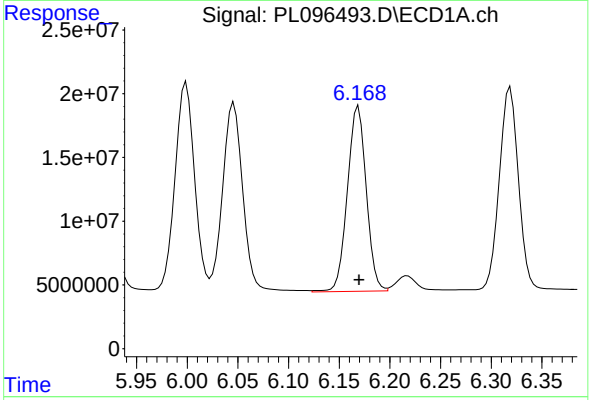
R.T.: 5.999 min
Delta R.T.: 0.000 min
Response: 227629669
Conc: 51.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



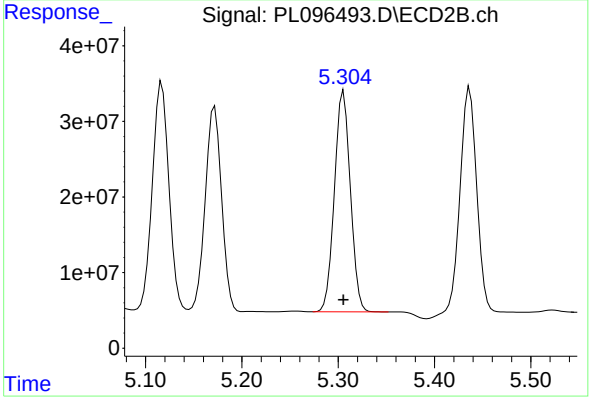
#11 alpha-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.002 min
Response: 360421669
Conc: 47.93 ng/ml



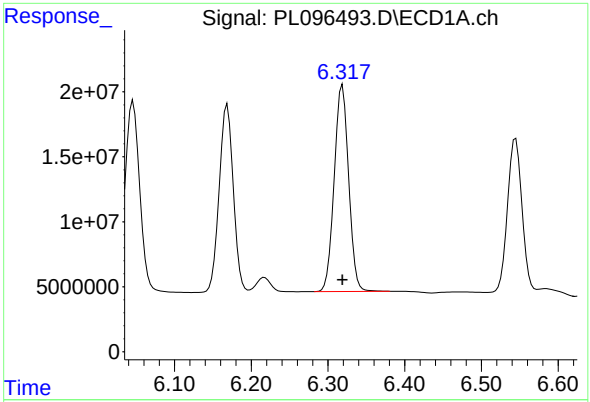
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 187986628
Conc: 50.70 ng/ml



#12 4,4'-DDE

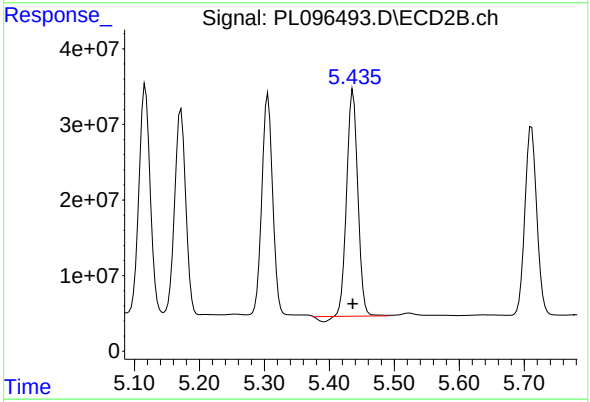
R.T.: 5.306 min
Delta R.T.: 0.000 min
Response: 336232232
Conc: 52.02 ng/ml



#13 Dieldrin

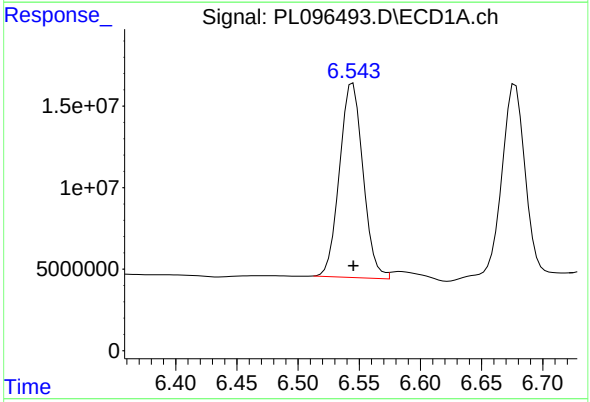
R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 207858497
Conc: 49.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



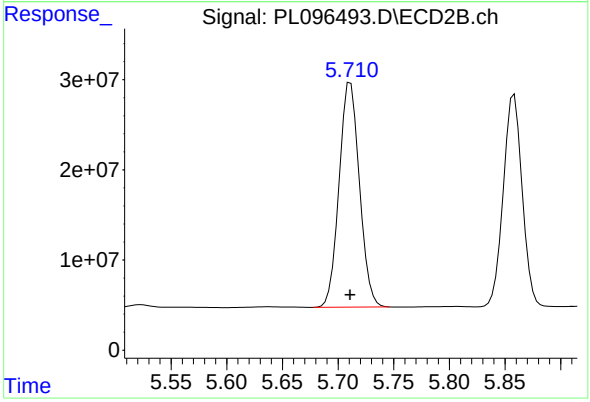
#13 Dieldrin

R.T.: 5.436 min
Delta R.T.: 0.000 min
Response: 354178504
Conc: 51.94 ng/ml



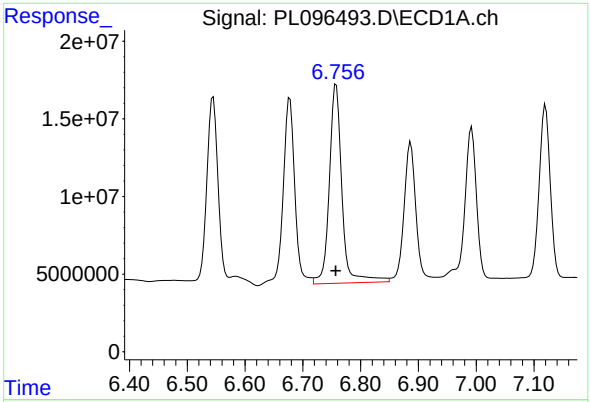
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 159349858
Conc: 51.23 ng/ml



#14 Endrin

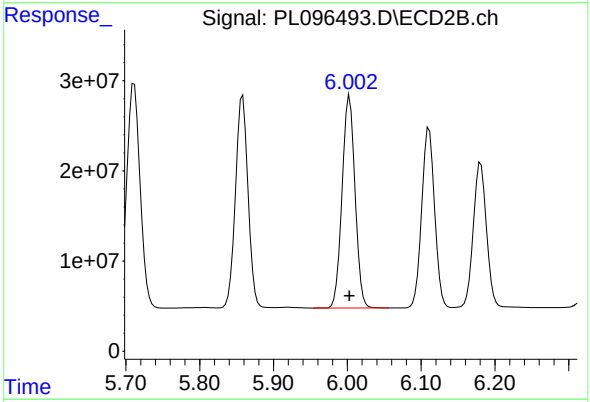
R.T.: 5.711 min
Delta R.T.: 0.000 min
Response: 317217062
Conc: 52.03 ng/ml



#15 Endosulfan II

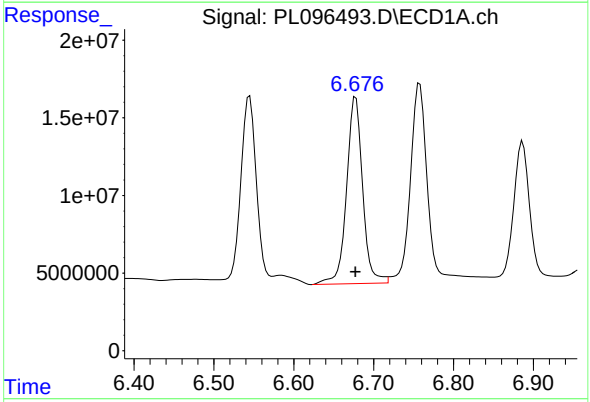
R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 195283823
Conc: 56.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



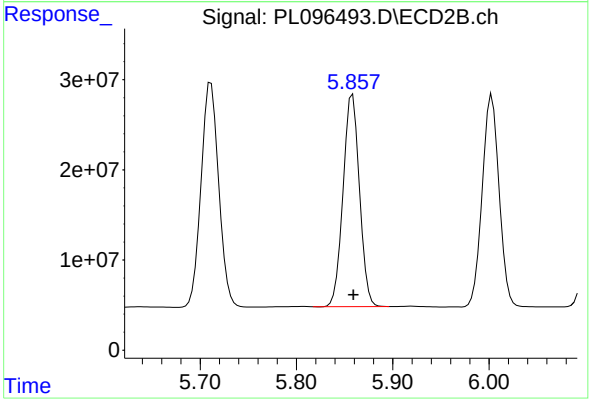
#15 Endosulfan II

R.T.: 6.003 min
Delta R.T.: 0.000 min
Response: 286988731
Conc: 48.94 ng/ml



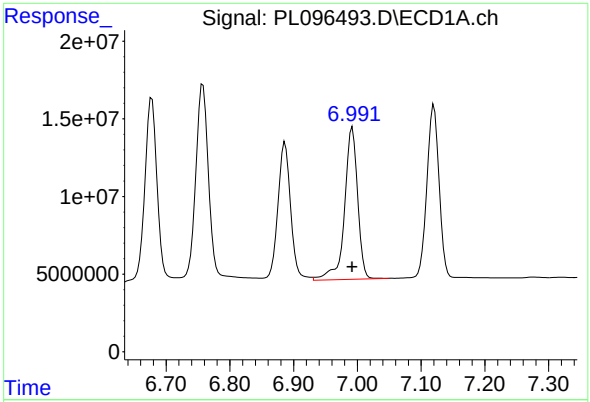
#16 4,4'-DDD

R.T.: 6.678 min
Delta R.T.: 0.000 min
Response: 168585323
Conc: 57.90 ng/ml



#16 4,4'-DDD

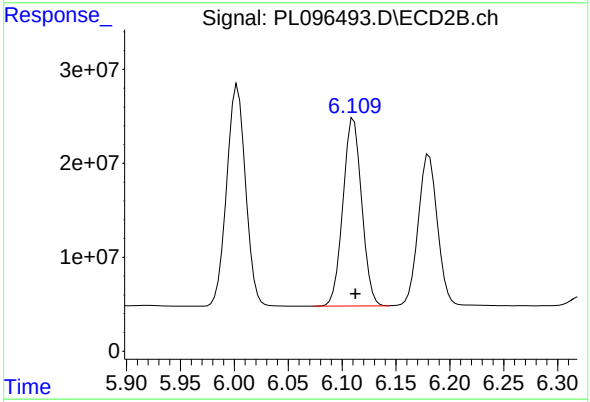
R.T.: 5.858 min
Delta R.T.: 0.000 min
Response: 277076635
Conc: 54.02 ng/ml



#17 4,4'-DDT

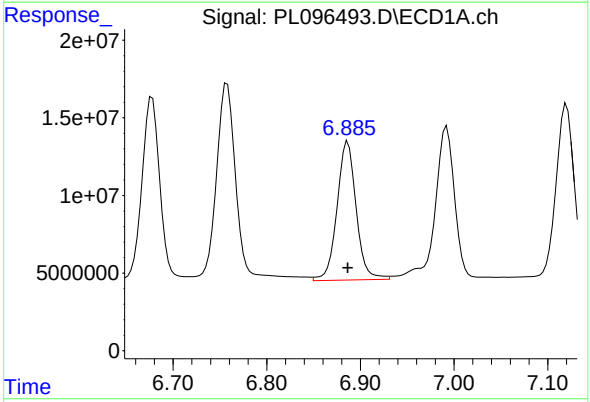
R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 140278736
Conc: 46.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



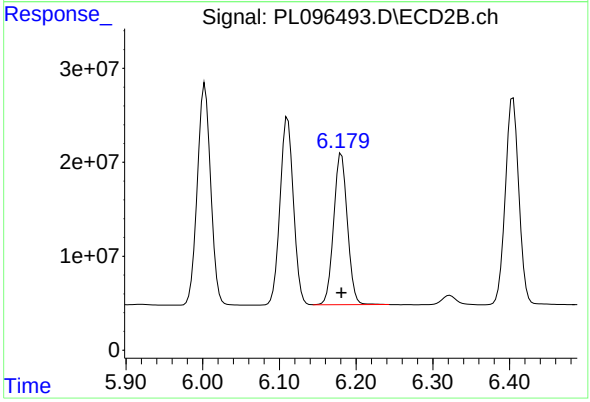
#17 4,4'-DDT

R.T.: 6.111 min
Delta R.T.: -0.002 min
Response: 242599364
Conc: 42.30 ng/ml



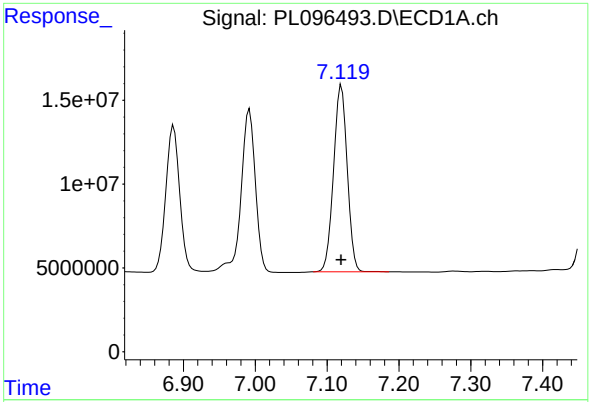
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 127067606
Conc: 56.84 ng/ml



#18 Endrin aldehyde

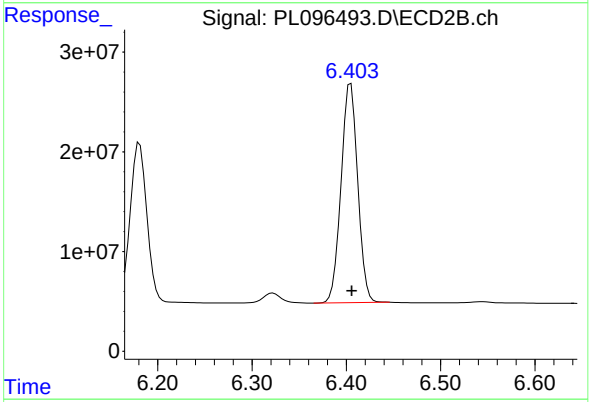
R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 200563363
Conc: 45.02 ng/ml



#19 Endosulfan Sulfate

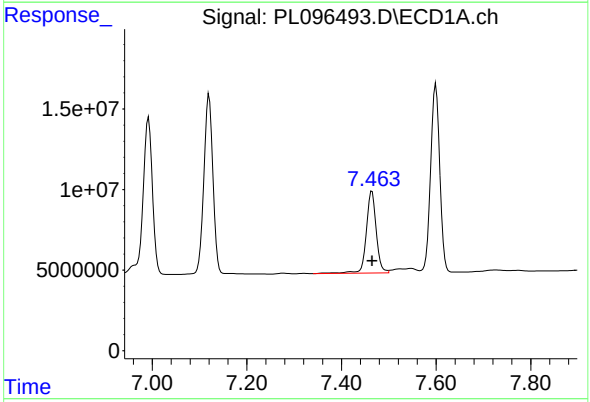
R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 147162779
Conc: 48.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



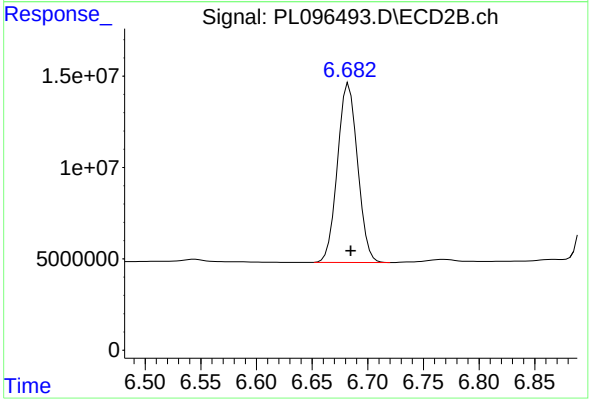
#19 Endosulfan Sulfate

R.T.: 6.405 min
Delta R.T.: 0.000 min
Response: 270039100
Conc: 48.01 ng/ml



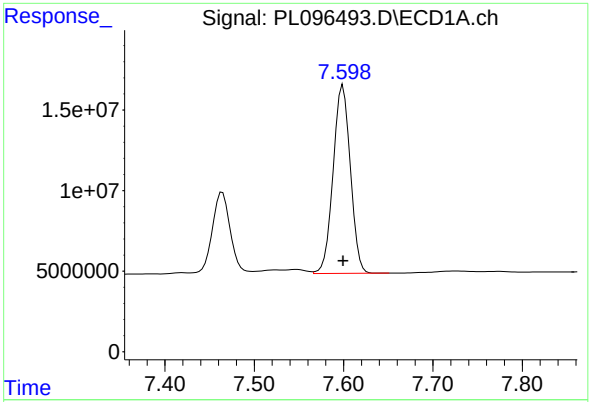
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 74352715
Conc: 47.20 ng/ml



#20 Methoxychlor

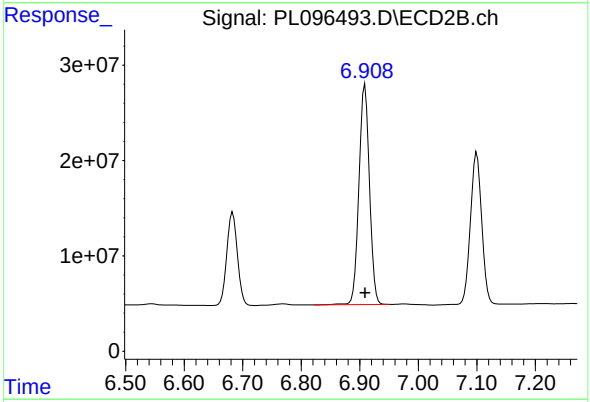
R.T.: 6.683 min
Delta R.T.: -0.002 min
Response: 123249318
Conc: 40.57 ng/ml



#21 Endrin ketone

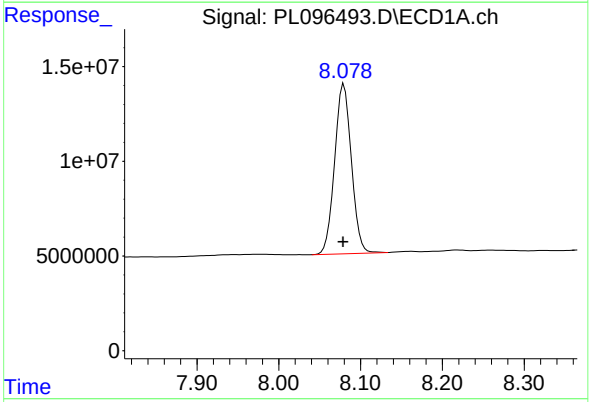
R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 156493430
Conc: 47.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



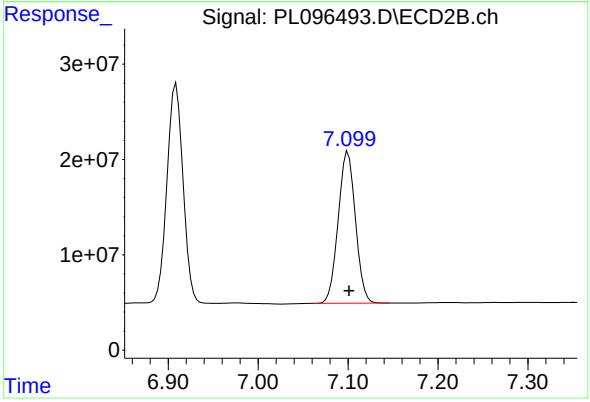
#21 Endrin ketone

R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 288787748
Conc: 46.19 ng/ml



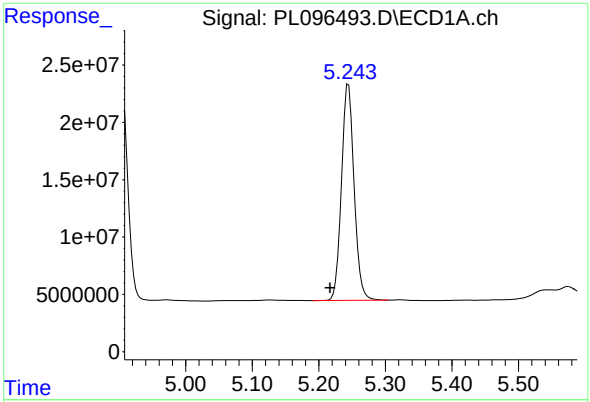
#22 Mirex

R.T.: 8.080 min
Delta R.T.: 0.001 min
Response: 127221657
Conc: 45.73 ng/ml



#22 Mirex

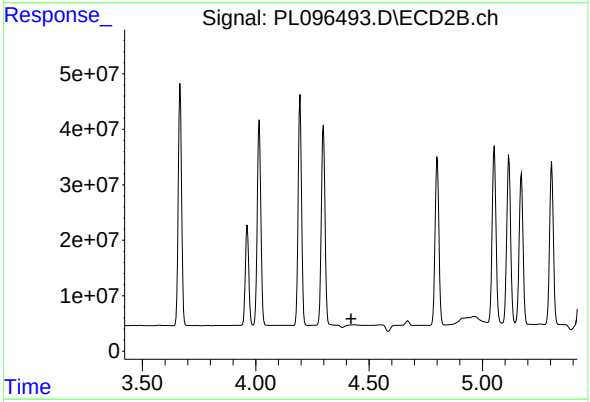
R.T.: 7.100 min
Delta R.T.: -0.001 min
Response: 212113580
Conc: 42.69 ng/ml



#24 Chlordane-2

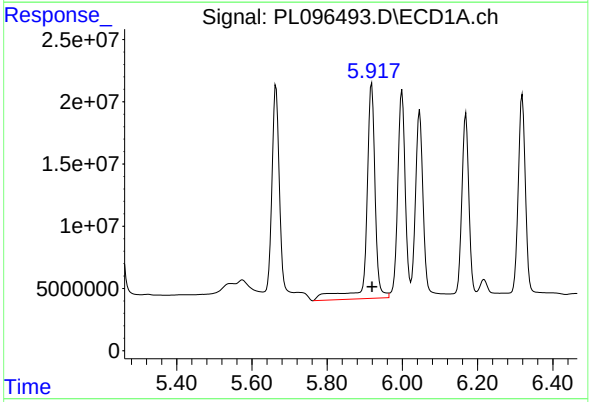
R.T.: 5.244 min
Delta R.T.: 0.028 min
Response: 248497535
Conc: 1269.27 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



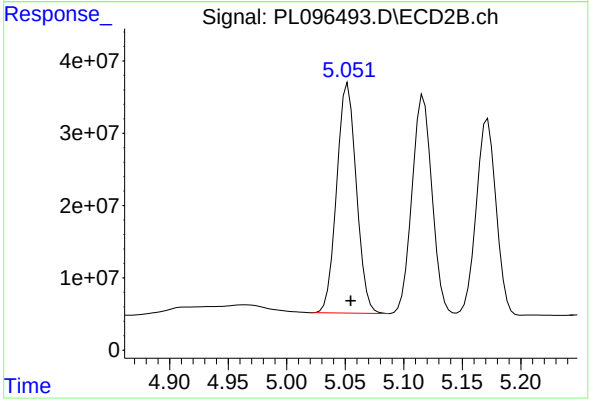
#24 Chlordane-2

R.T.: 4.437 min
Delta R.T.: 0.016 min
Response: -1703063
Conc: N.D.



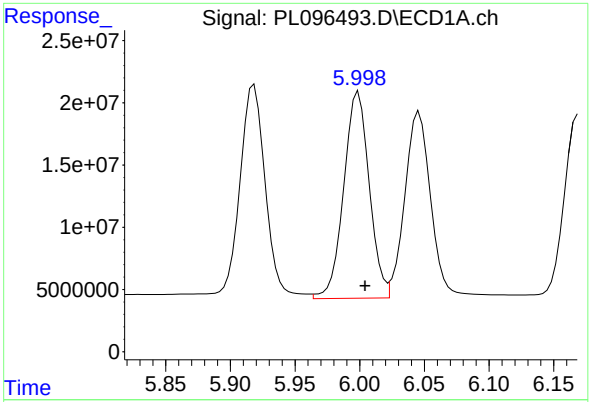
#25 Chlordane-3

R.T.: 5.918 min
Delta R.T.: -0.001 min
Response: 274418686
Conc: 372.47 ng/ml



#25 Chlordane-3

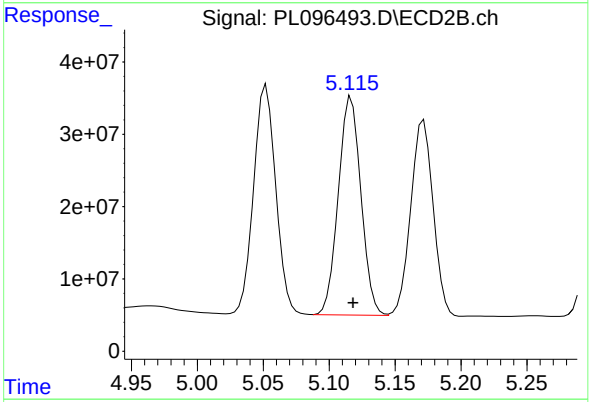
R.T.: 5.052 min
Delta R.T.: -0.003 min
Response: 371139869
Conc: 461.31 ng/ml



#26 Chlordane-4

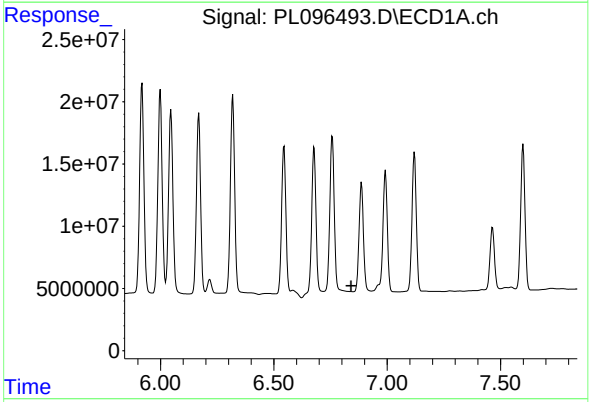
R.T.: 5.999 min
Delta R.T.: -0.005 min
Response: 227629669
Conc: 253.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



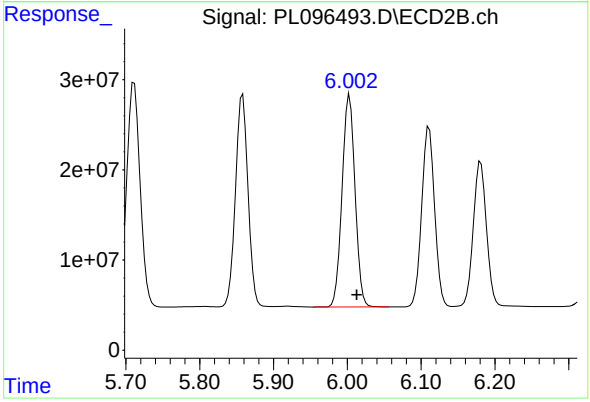
#26 Chlordane-4

R.T.: 5.117 min
Delta R.T.: -0.001 min
Response: 360421669
Conc: 479.65 ng/ml



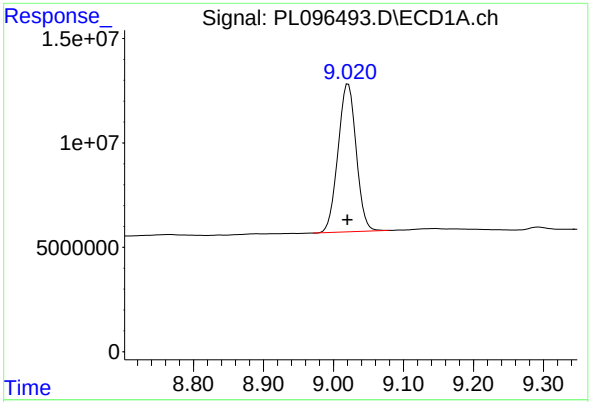
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.841 min
Response: 0
Conc: N.D.



#27 Chlordane-5

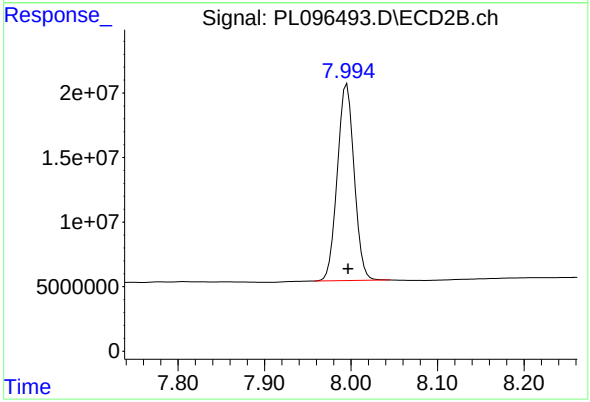
R.T.: 6.003 min
Delta R.T.: -0.009 min
Response: 286988731
Conc: 1012.48 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.021 min
Delta R.T.: 0.001 min
Response: 127566336
Conc: 45.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.995 min
Delta R.T.: -0.001 min
Response: 205052955
Conc: 41.12 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096494.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:53
Operator : AR\AJ
Sample : Q2638-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-31-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:47:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.827	36003148	56070011	9.867	9.715
28)	SA Decachlor...	9.020	7.994	15395841	23438269	5.473	4.700
	Target Compounds						
10)	B gamma-Chl...	5.918	5.051	5928290	5284727	1.340	0.753 #
11)	B alpha-Chl...	6.001	5.115	9533460	10439850	2.177	1.388 #
12)	B 4,4'-DDE	6.168	5.304	4887977	8341669	1.318	1.291
23)	Chlordane-1	0.000	3.838	0	6588112	N.D.	27.873 #
25)	Chlordane-3	5.918	5.051	5928290	5284727	8.046	6.569
26)	Chlordane-4	6.001	5.115	9533460	10439850	10.625	13.893 #

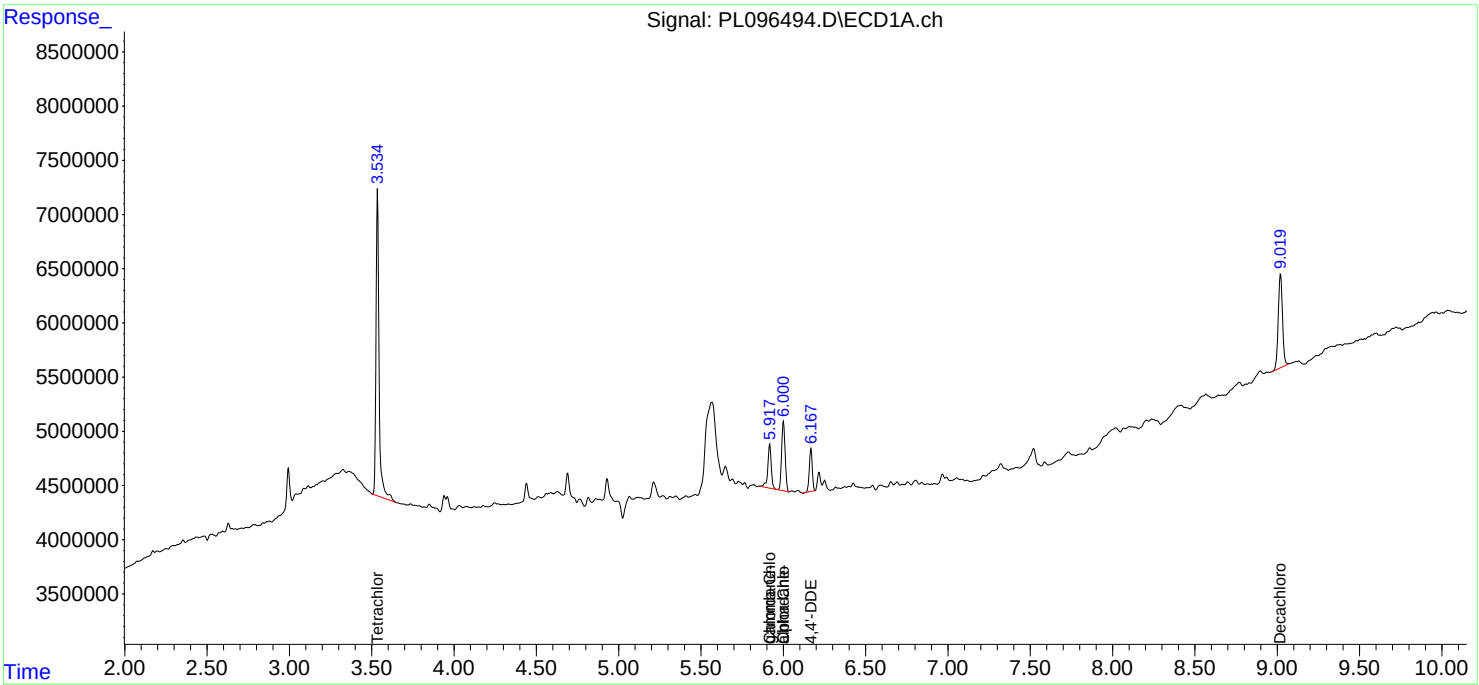
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

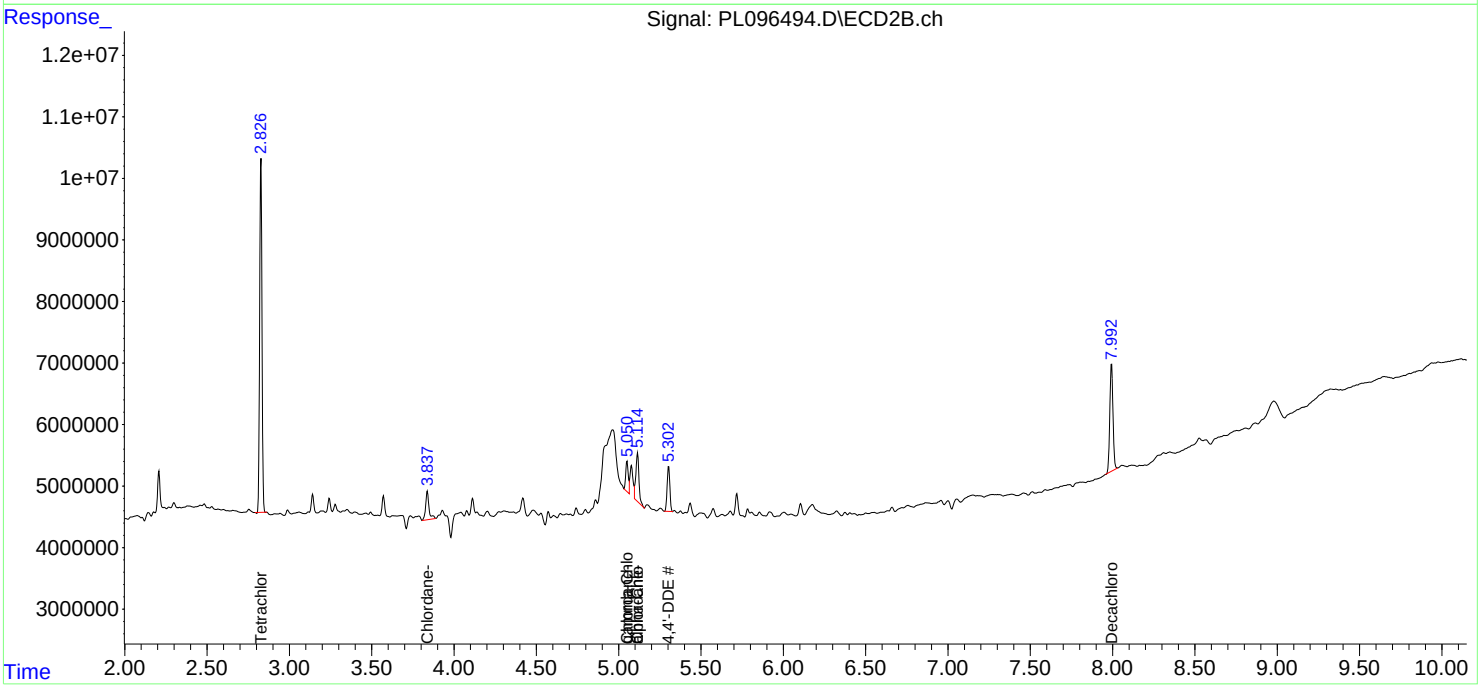
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096494.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:53
Operator : AR\AJ
Sample : Q2638-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

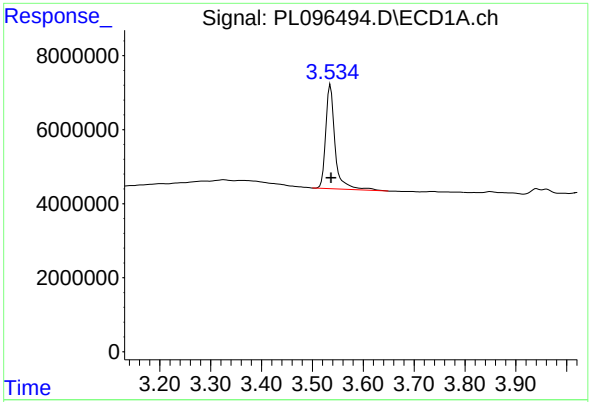
Instrument :
ECD_L
ClientSampleId :
OU4-TS-31-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:47:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



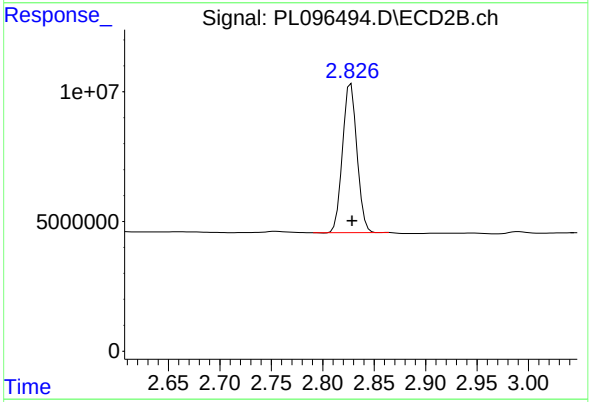




#1 Tetrachloro-m-xylene

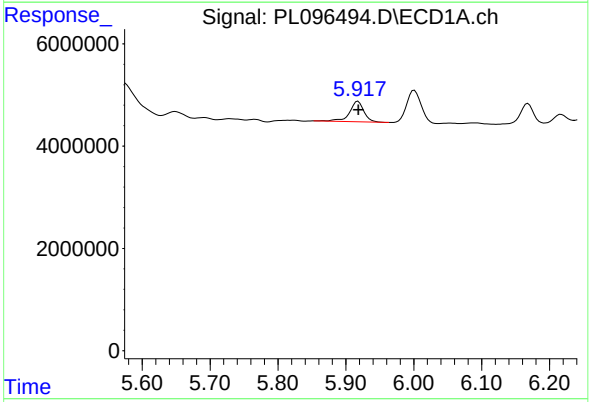
R.T.: 3.536 min
Delta R.T.: -0.001 min
Response: 36003148
Conc: 9.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-31-071725



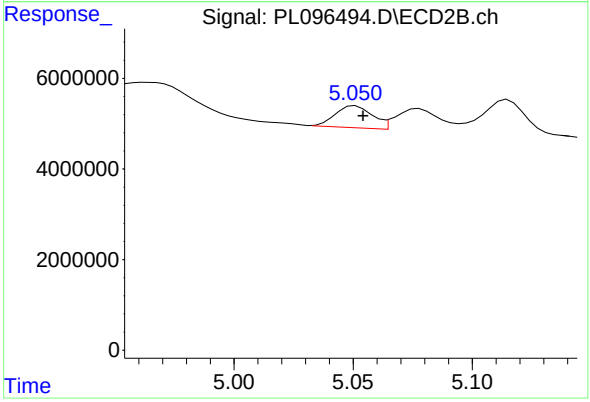
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: 0.000 min
Response: 56070011
Conc: 9.72 ng/ml



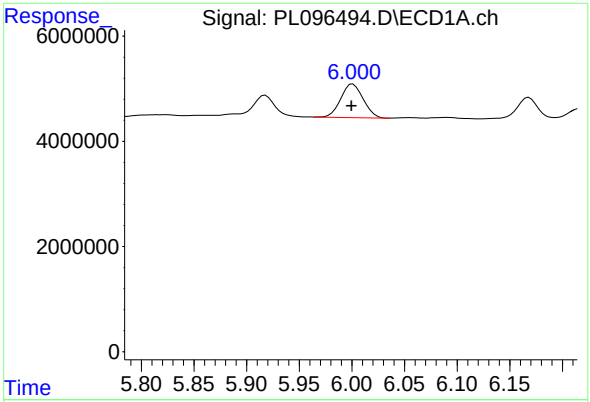
#10 gamma-Chlordane

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 5928290
Conc: 1.34 ng/ml



#10 gamma-Chlordane

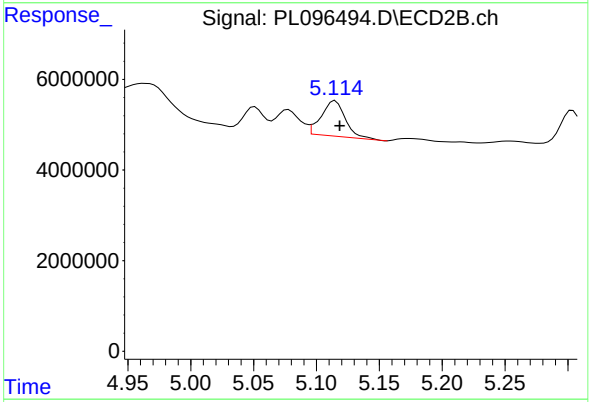
R.T.: 5.051 min
Delta R.T.: -0.003 min
Response: 5284727
Conc: 0.75 ng/ml



#11 alpha-Chlordane

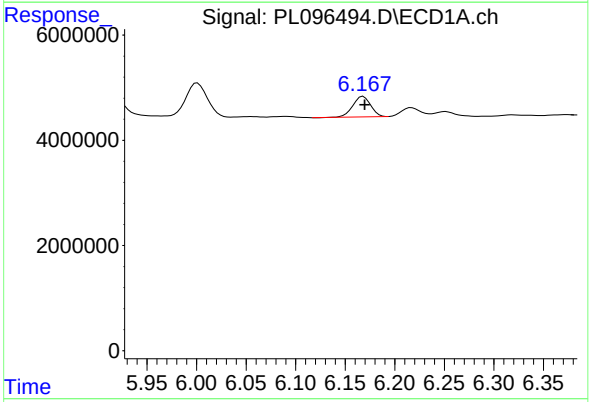
R.T.: 6.001 min
Delta R.T.: 0.001 min
Response: 9533460
Conc: 2.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-31-071725



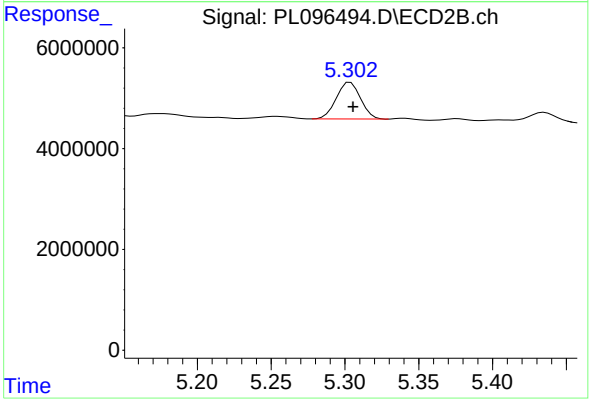
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.004 min
Response: 10439850
Conc: 1.39 ng/ml



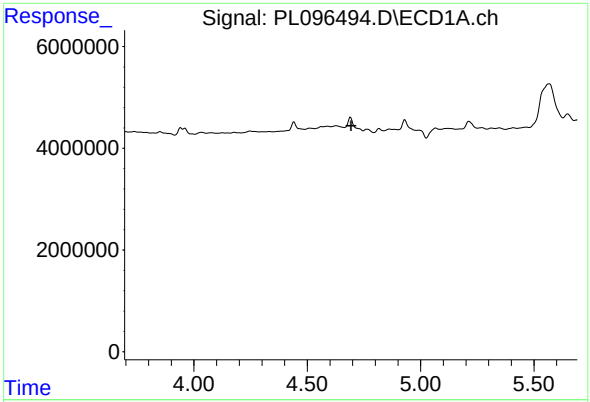
#12 4,4'-DDE

R.T.: 6.168 min
Delta R.T.: -0.001 min
Response: 4887977
Conc: 1.32 ng/ml



#12 4,4'-DDE

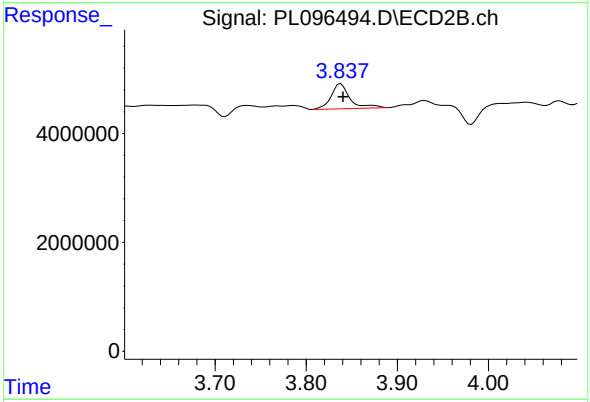
R.T.: 5.304 min
Delta R.T.: -0.002 min
Response: 8341669
Conc: 1.29 ng/ml



#23 Chlordane-1

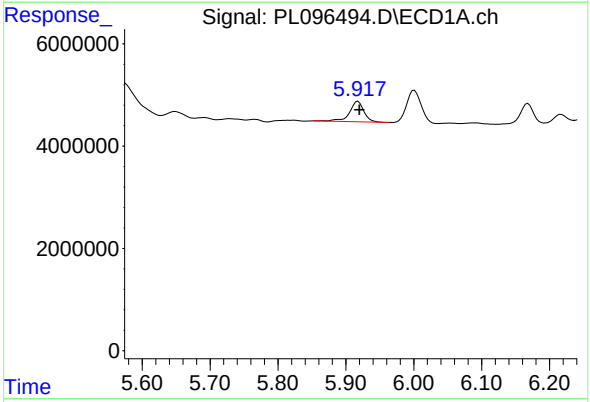
R.T.: 0.000 min
Exp R.T. : 4.693 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-31-071725



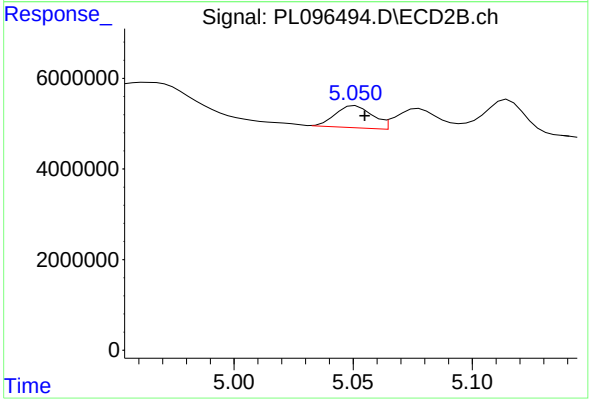
#23 Chlordane-1

R.T.: 3.838 min
Delta R.T.: -0.002 min
Response: 6588112
Conc: 27.87 ng/ml



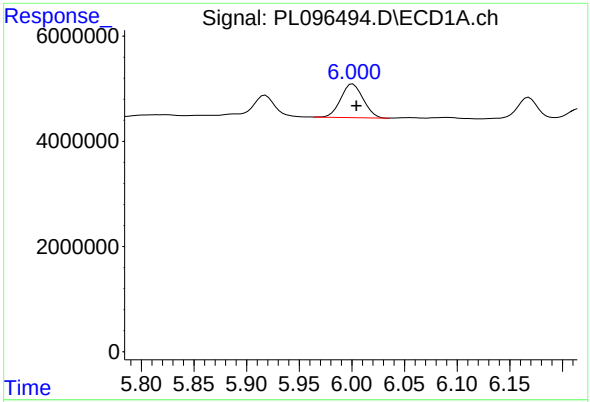
#25 Chlordane-3

R.T.: 5.918 min
Delta R.T.: -0.002 min
Response: 5928290
Conc: 8.05 ng/ml



#25 Chlordane-3

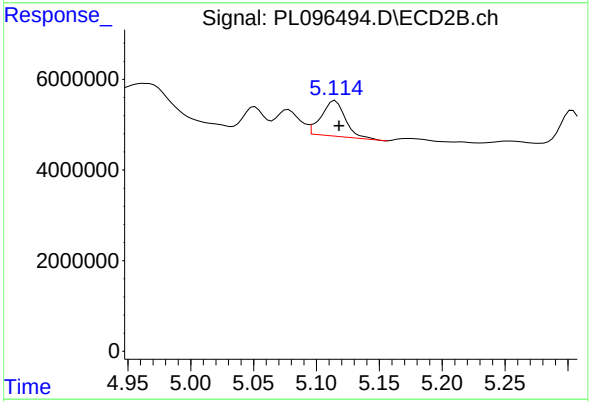
R.T.: 5.051 min
Delta R.T.: -0.004 min
Response: 5284727
Conc: 6.57 ng/ml



#26 Chlordane-4

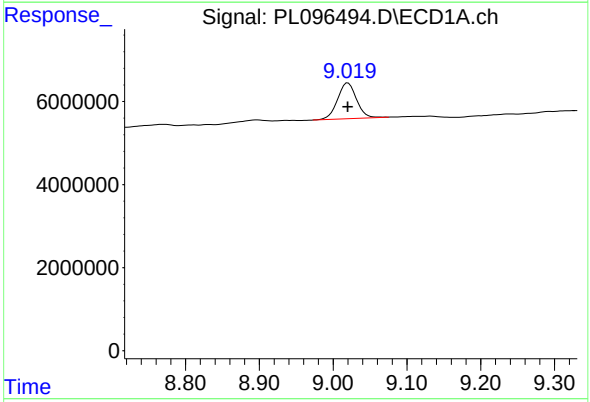
R.T.: 6.001 min
Delta R.T.: -0.003 min
Response: 9533460
Conc: 10.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-31-071725



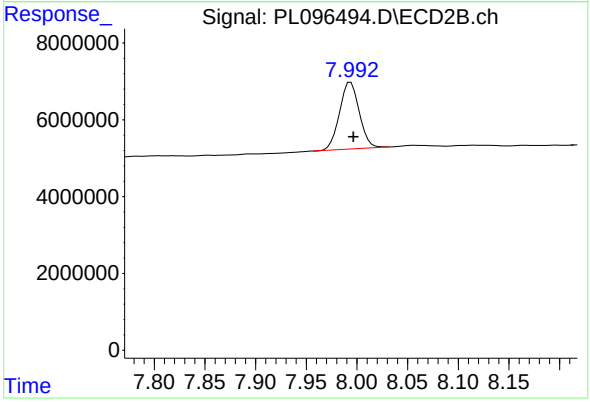
#26 Chlordane-4

R.T.: 5.115 min
Delta R.T.: -0.003 min
Response: 10439850
Conc: 13.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 15395841
Conc: 5.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 23438269
Conc: 4.70 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096496.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 17:20
Operator : AR\AJ
Sample : Q2638-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-33-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:48:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.829	40150448	65473561	11.003	11.345	
28)	SA Decachlor...	9.020	7.994	20546560	33778485	7.304	6.774	
	Target Compounds							
10)	B gamma-Chl...	5.919	0.000	6417009	0	1.450	N.D.	#
11)	B alpha-Chl...	6.001	5.116	9931050	9497197	2.268	1.263	#
12)	B 4,4'-DDE	6.168	5.305	5126975	7772994	1.383	1.203	
23)	Chlordane-1	0.000	3.839	0	6272732	N.D.	26.539	#
25)	Chlordane-3	5.919	0.000	6417009	0	8.710	N.D.	#
26)	Chlordane-4	6.001	5.116	9931050	9497197	11.069	12.639	

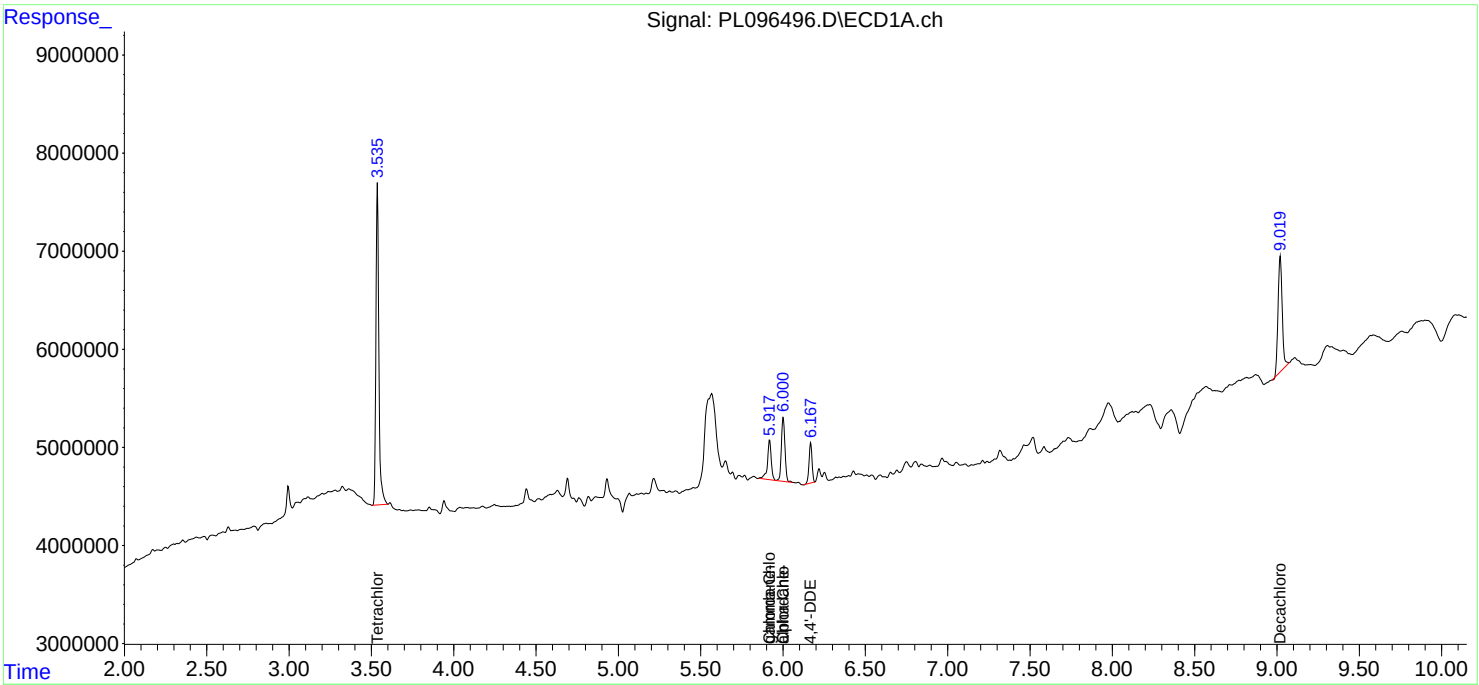
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

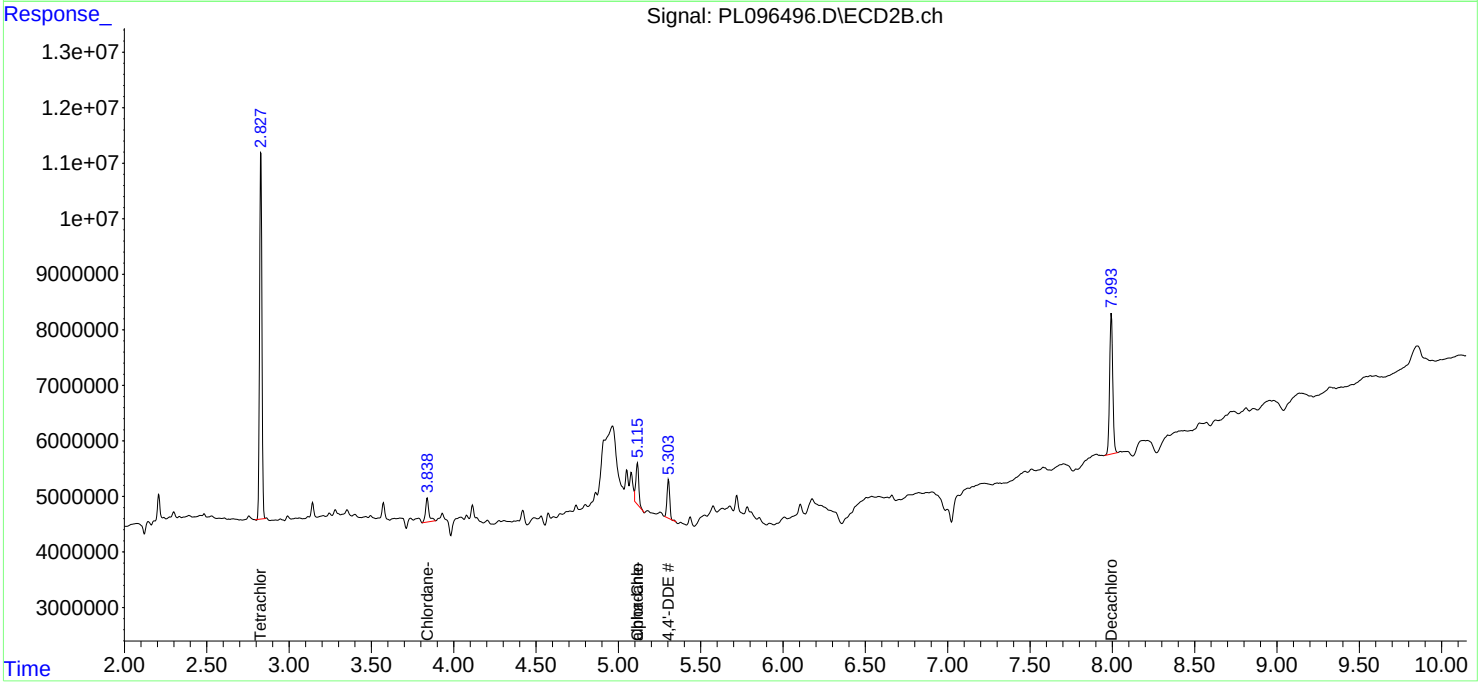
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096496.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 17:20
Operator : AR\AJ
Sample : Q2638-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

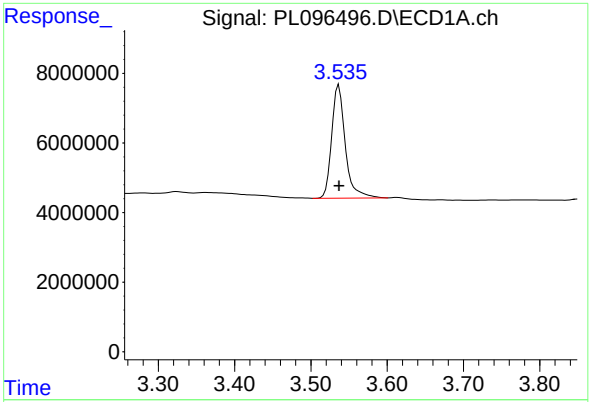
Instrument :
ECD_L
ClientSampleId :
OU4-TS-33-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:48:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



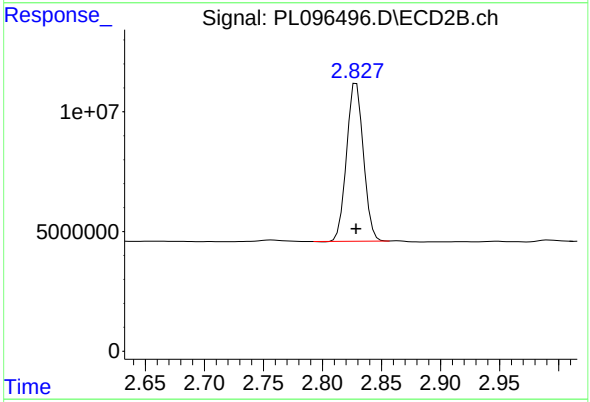




#1 Tetrachloro-m-xylene

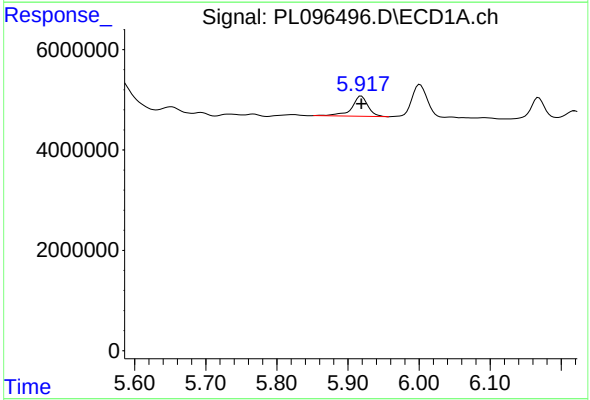
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 40150448
Conc: 11.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-33-071725



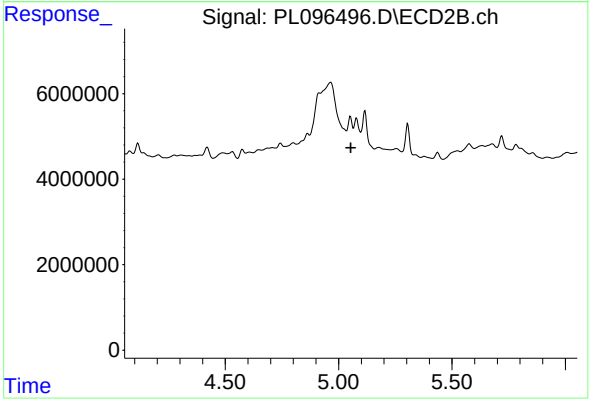
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 65473561
Conc: 11.34 ng/ml



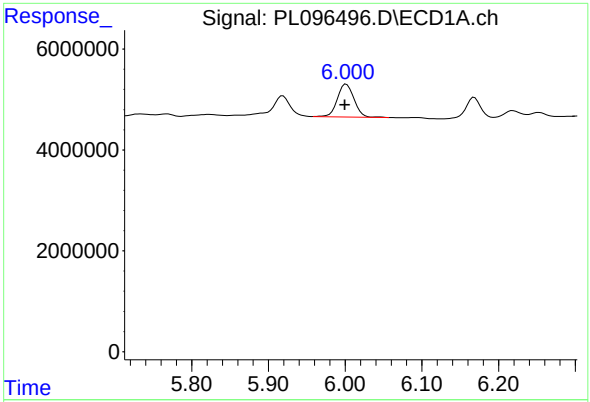
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 6417009
Conc: 1.45 ng/ml



#10 gamma-Chlordane

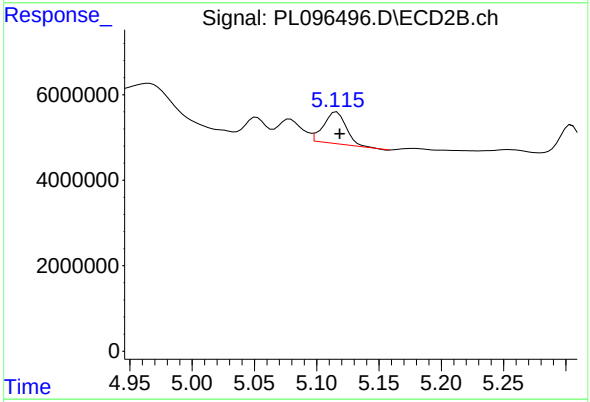
R.T.: 0.000 min
Exp R.T. : 5.054 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

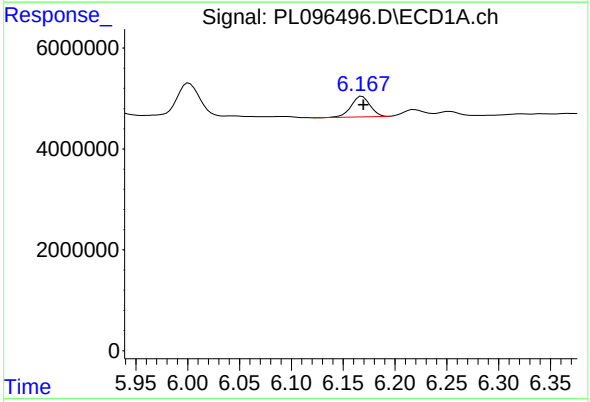
R.T.: 6.001 min
Delta R.T.: 0.002 min
Response: 9931050
Conc: 2.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-33-071725



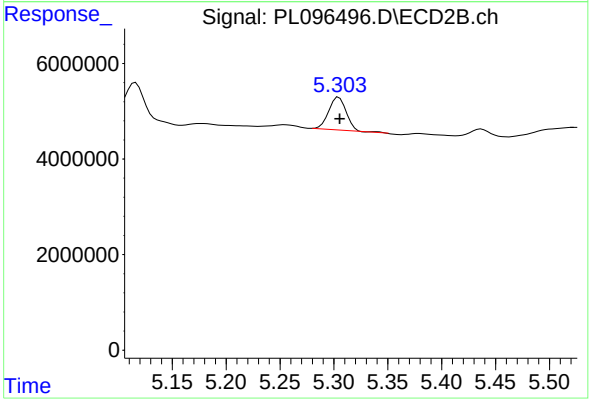
#11 alpha-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.003 min
Response: 9497197
Conc: 1.26 ng/ml



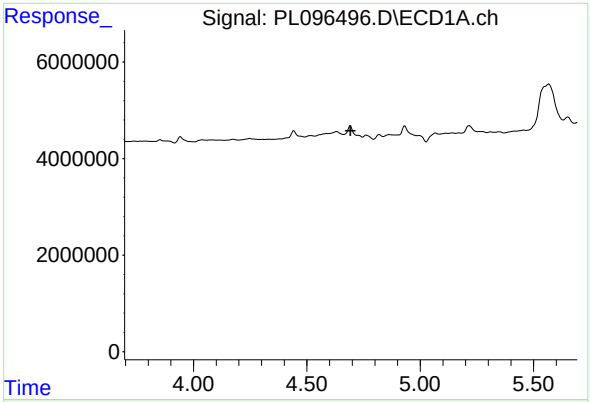
#12 4,4'-DDE

R.T.: 6.168 min
Delta R.T.: -0.001 min
Response: 5126975
Conc: 1.38 ng/ml



#12 4,4'-DDE

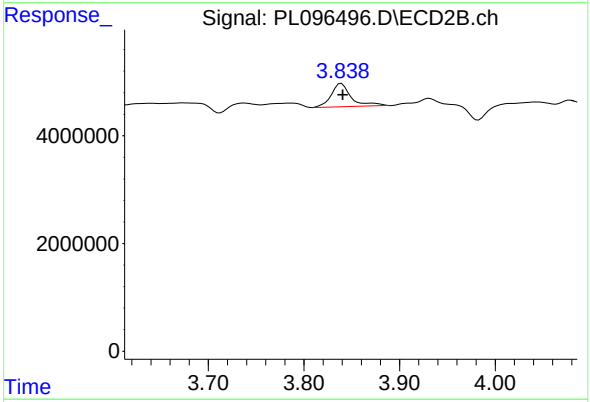
R.T.: 5.305 min
Delta R.T.: 0.000 min
Response: 7772994
Conc: 1.20 ng/ml



#23 Chlordane-1

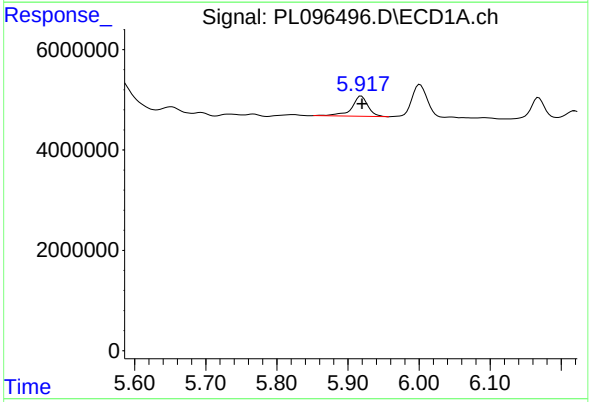
R.T.: 0.000 min
Exp R.T. : 4.693 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-33-071725



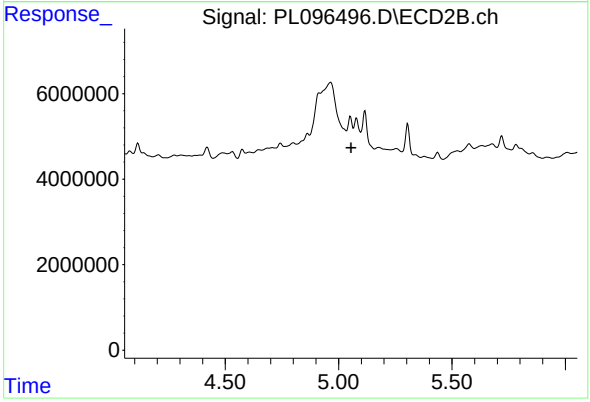
#23 Chlordane-1

R.T.: 3.839 min
Delta R.T.: -0.001 min
Response: 6272732
Conc: 26.54 ng/ml



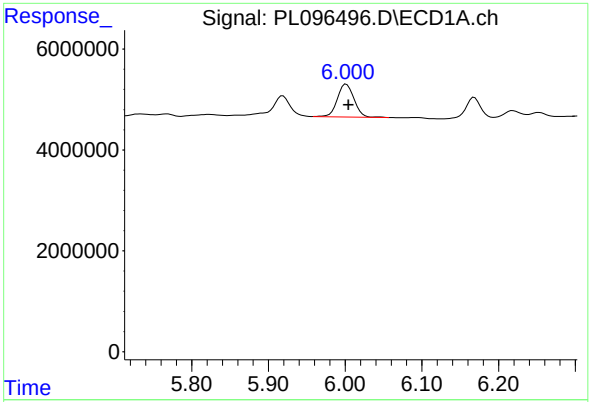
#25 Chlordane-3

R.T.: 5.919 min
Delta R.T.: -0.001 min
Response: 6417009
Conc: 8.71 ng/ml



#25 Chlordane-3

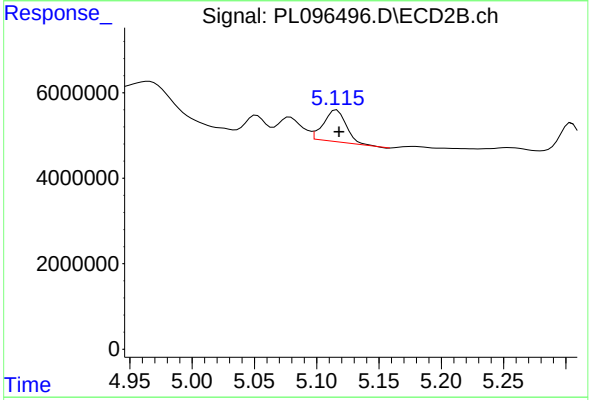
R.T.: 0.000 min
Exp R.T. : 5.055 min
Response: 0
Conc: N.D.



#26 Chlordane-4

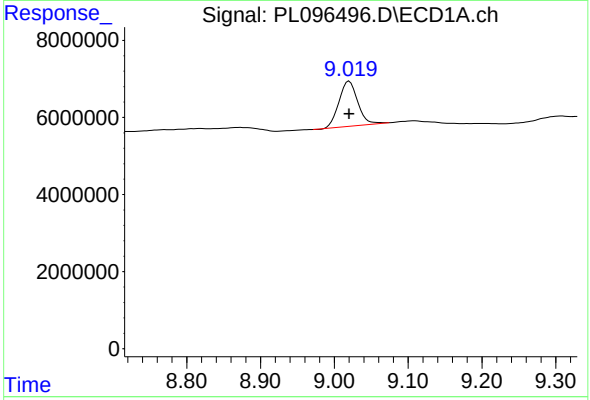
R.T.: 6.001 min
Delta R.T.: -0.003 min
Response: 9931050
Conc: 11.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-33-071725



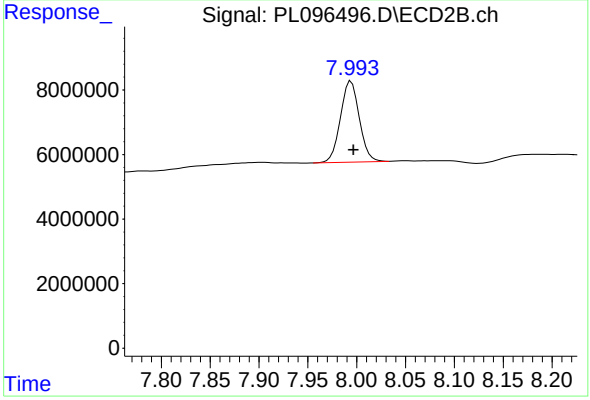
#26 Chlordane-4

R.T.: 5.116 min
Delta R.T.: -0.002 min
Response: 9497197
Conc: 12.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 20546560
Conc: 7.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.002 min
Response: 33778485
Conc: 6.77 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096497.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 17:34
Operator : AR\AJ
Sample : Q2638-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-34-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:48:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.828	36949391	61169244	10.126	10.599	
28)	SA Decachlor...	9.018	7.994	19166431	29921192	6.813	6.000	
	Target Compounds							
10)	B gamma-Chl...	5.918	5.051	6071535	5162845	1.372	0.735	#
11)	B alpha-Chl...	6.000	5.115	9764946	11572310	2.230	1.539	#
12)	B 4,4'-DDE	6.167	5.304	4706784	8296897	1.270	1.284	
23)	Chlordane-1	0.000	3.839	0	6681871	N.D.	28.270	#
25)	Chlordane-3	5.918	5.051	6071535	5162845	8.241	6.417	
26)	Chlordane-4	6.000	5.115	9764946	11572310	10.883	15.400	#

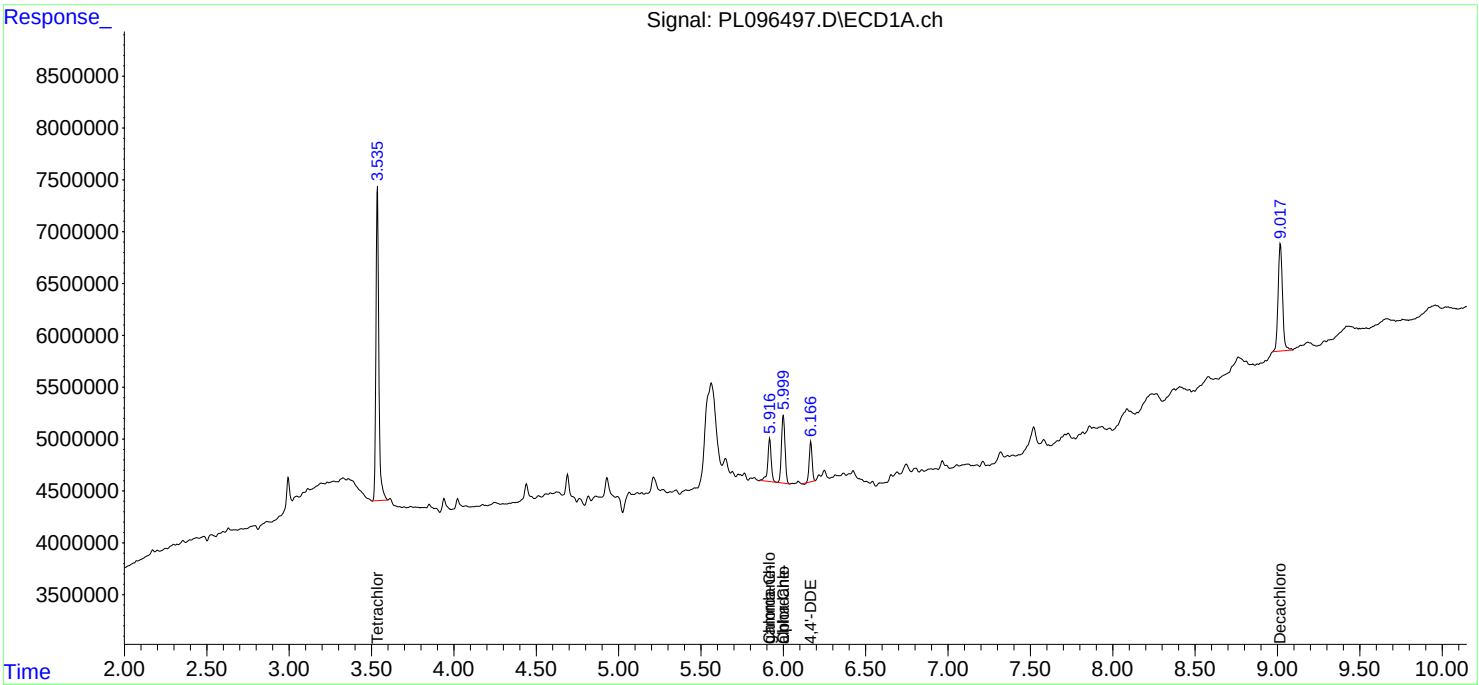
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

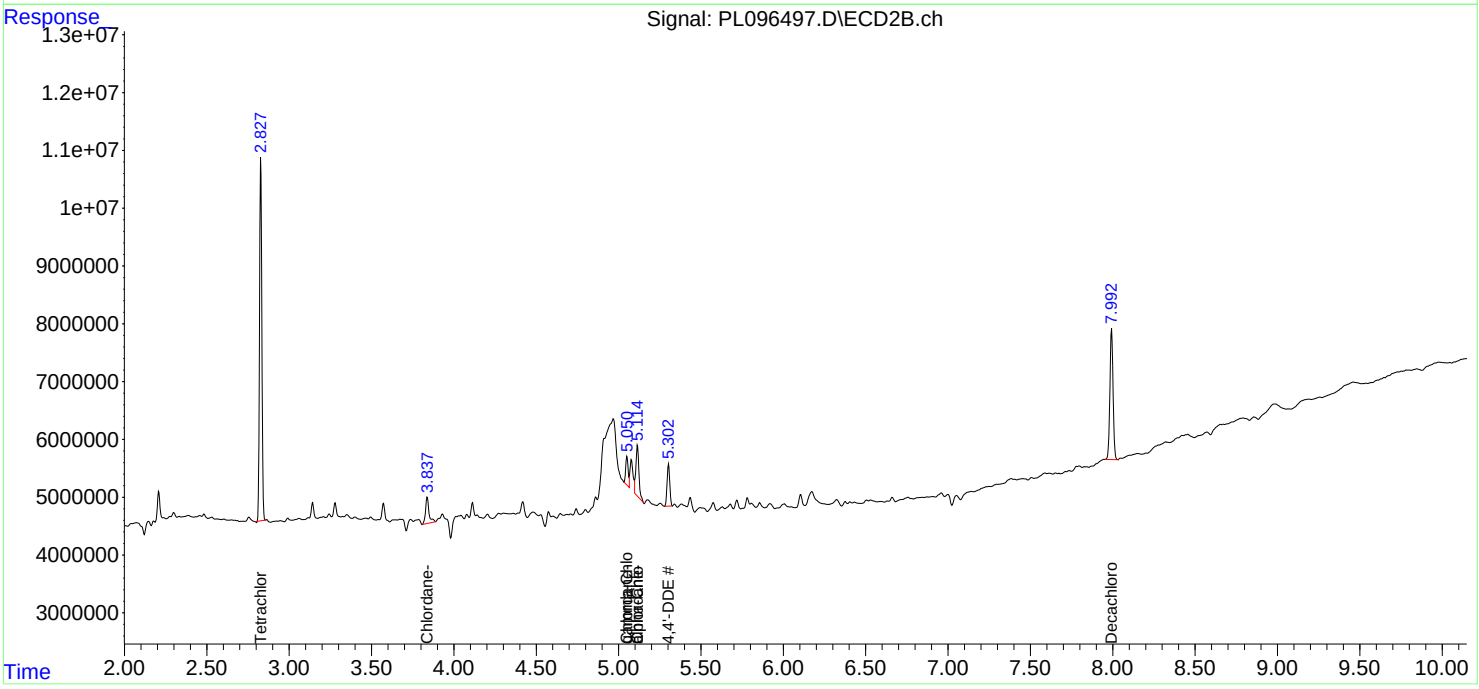
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096497.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 17:34
Operator : AR\AJ
Sample : Q2638-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

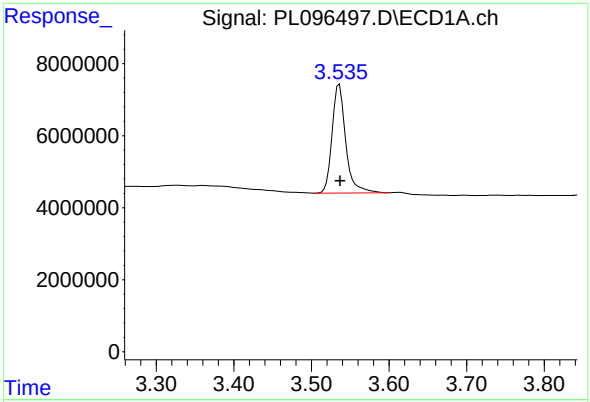
Instrument :
ECD_L
ClientSampleId :
OU4-TS-34-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:48:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



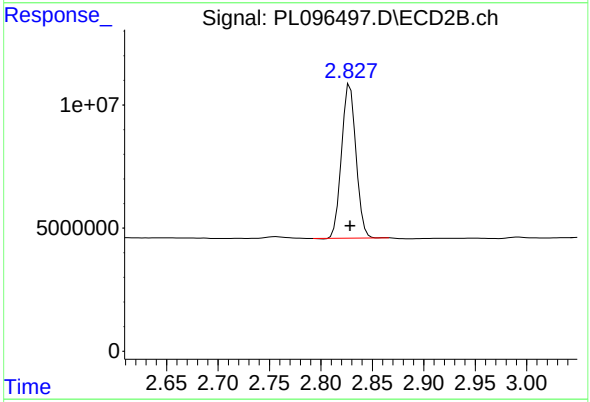




#1 Tetrachloro-m-xylene

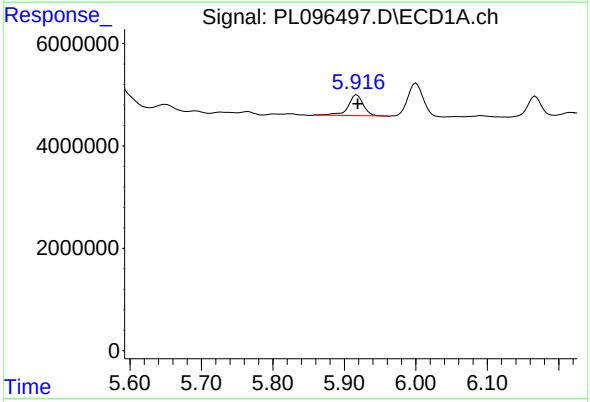
R.T.: 3.536 min
Delta R.T.: -0.001 min
Response: 36949391
Conc: 10.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-34-071725



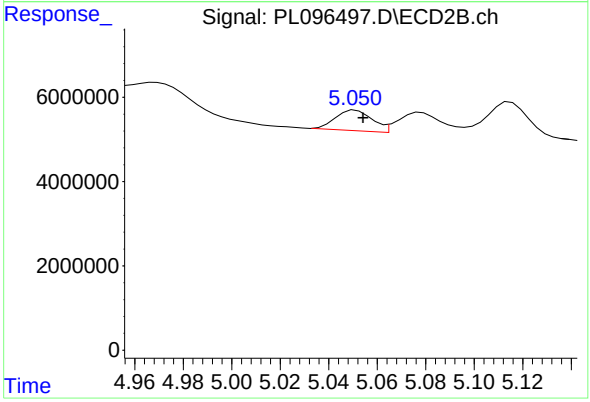
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 61169244
Conc: 10.60 ng/ml



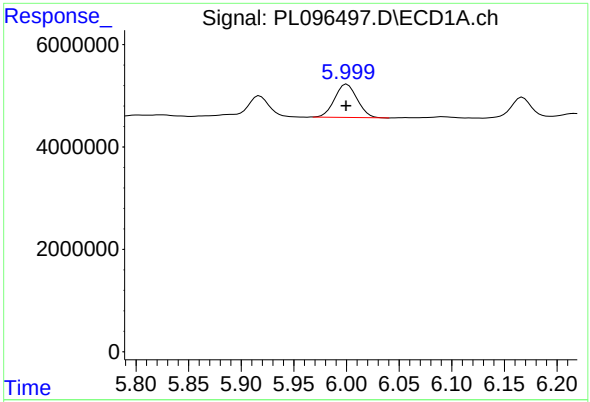
#10 gamma-Chlordane

R.T.: 5.918 min
Delta R.T.: -0.001 min
Response: 6071535
Conc: 1.37 ng/ml



#10 gamma-Chlordane

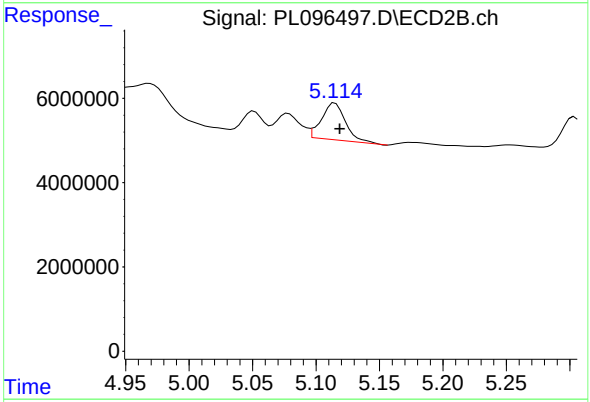
R.T.: 5.051 min
Delta R.T.: -0.003 min
Response: 5162845
Conc: 0.74 ng/ml



#11 alpha-Chlordane

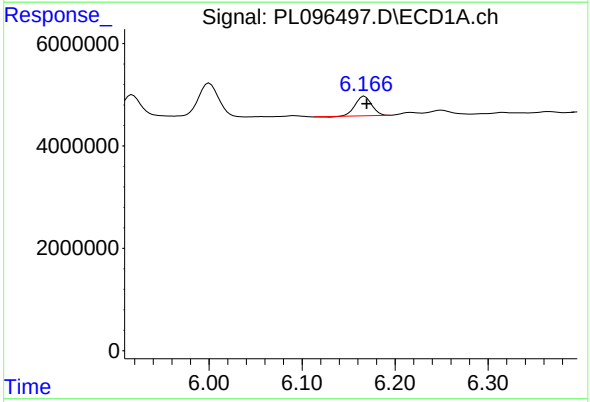
R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 9764946
Conc: 2.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-34-071725



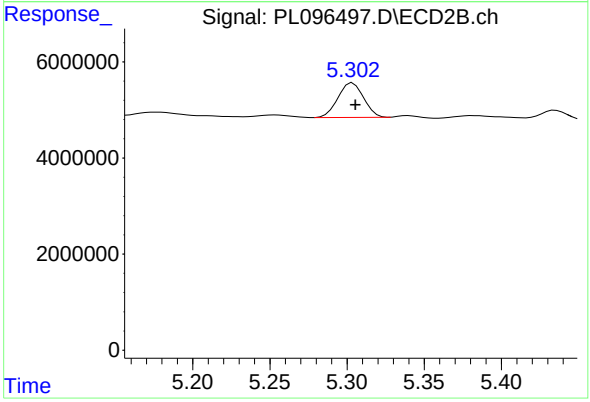
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.004 min
Response: 11572310
Conc: 1.54 ng/ml



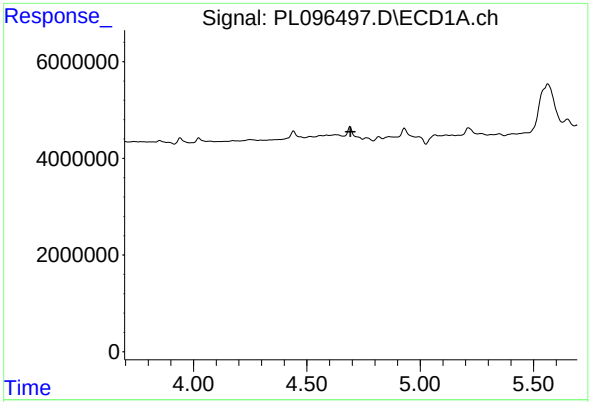
#12 4,4'-DDE

R.T.: 6.167 min
Delta R.T.: -0.002 min
Response: 4706784
Conc: 1.27 ng/ml



#12 4,4'-DDE

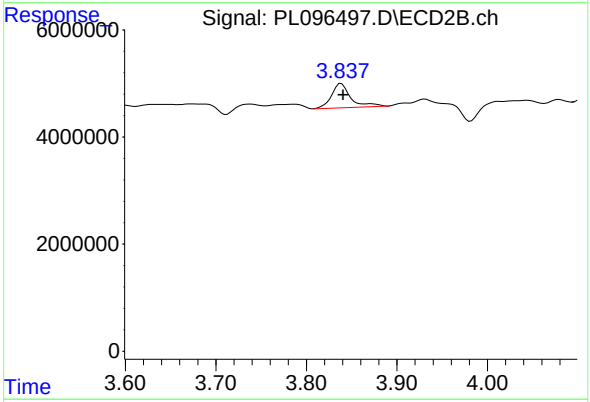
R.T.: 5.304 min
Delta R.T.: -0.002 min
Response: 8296897
Conc: 1.28 ng/ml



#23 Chlordane-1

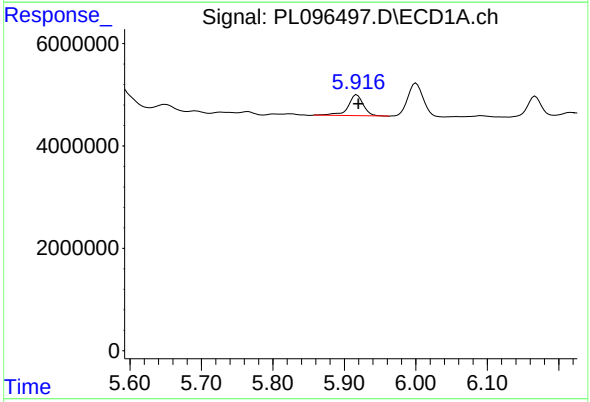
R.T.: 0.000 min
Exp R.T. : 4.693 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-34-071725



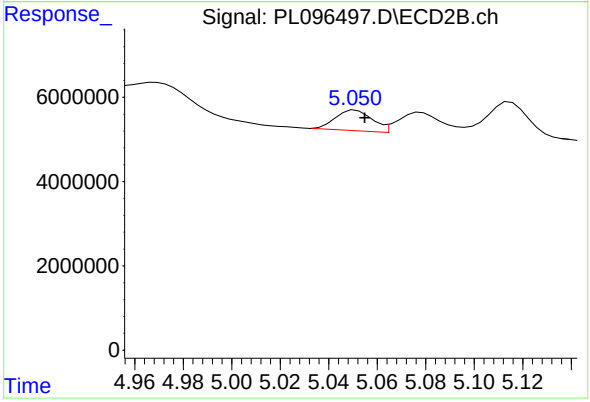
#23 Chlordane-1

R.T.: 3.839 min
Delta R.T.: -0.002 min
Response: 6681871
Conc: 28.27 ng/ml



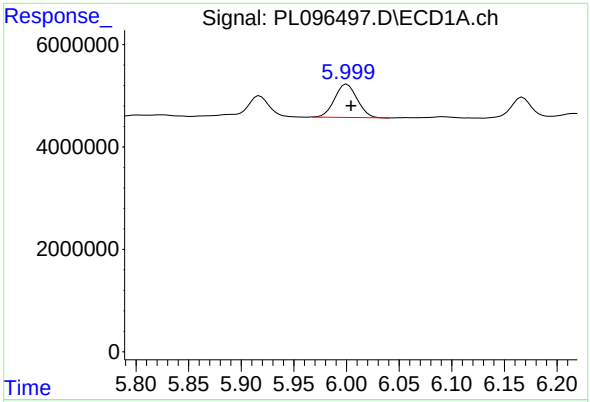
#25 Chlordane-3

R.T.: 5.918 min
Delta R.T.: -0.002 min
Response: 6071535
Conc: 8.24 ng/ml



#25 Chlordane-3

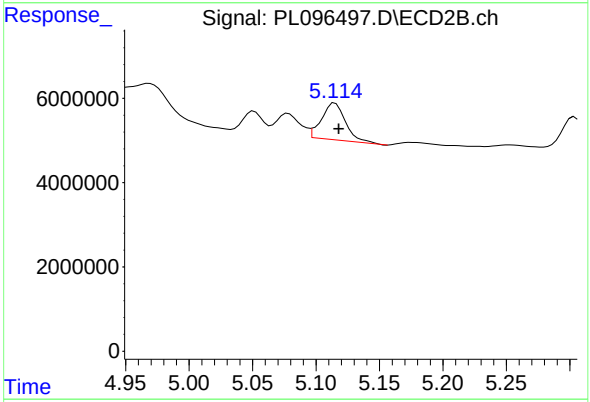
R.T.: 5.051 min
Delta R.T.: -0.004 min
Response: 5162845
Conc: 6.42 ng/ml



#26 Chlordane-4

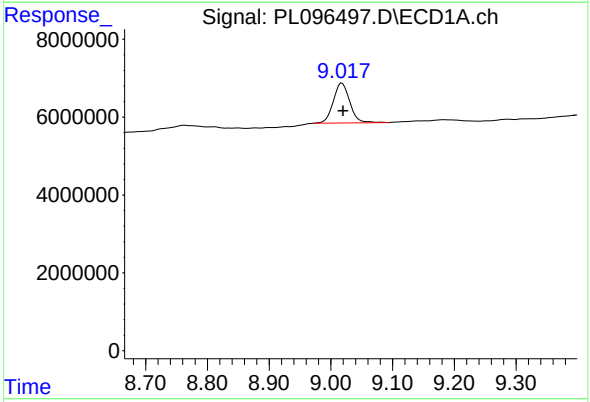
R.T.: 6.000 min
Delta R.T.: -0.004 min
Response: 9764946
Conc: 10.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-34-071725



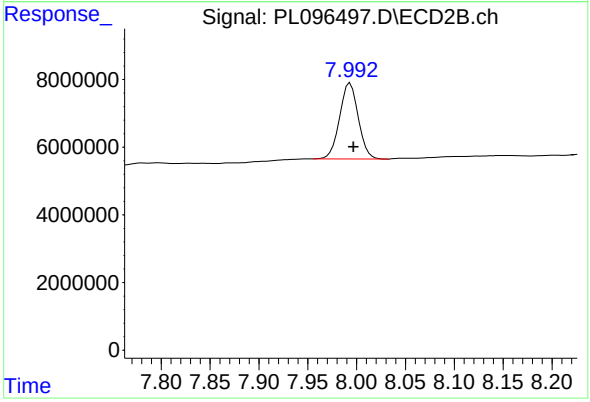
#26 Chlordane-4

R.T.: 5.115 min
Delta R.T.: -0.003 min
Response: 11572310
Conc: 15.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.018 min
Delta R.T.: -0.002 min
Response: 19166431
Conc: 6.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 29921192
Conc: 6.00 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096498.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 17:47
Operator : AR\AJ
Sample : Q2638-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-35-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:48:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.829	86006087	99542825	23.570	17.248	#
28)	SA Decachlor...	9.020	7.994	23084477	53522692	8.206	10.734	#
	Target Compounds							
3)	MA gamma-BHC...	0.000	3.670	0	6645704	N.D.	0.844	#
4)	MA Heptachlor	4.929f	0.000	28038386	0	6.120	N.D.	#
9)	A Endosulfan I	6.071f	5.191f	21006446	62412007	5.203	8.700	#
10)	B gamma-Chl...	5.917	5.052	17643573	17237768	3.987	2.456	#
11)	B alpha-Chl...	6.002	5.116	16019347	25293088	3.658	3.363	
12)	B 4,4'-DDE	6.171	5.306	3926844	5070307	1.059	0.784	#
13)	MA Dieldrin	0.000	5.437	0	31117748	N.D.	4.563	#
15)	B Endosulfa...	0.000	6.006	0	25896355	N.D.	4.416	#
16)	A 4,4'-DDD	6.675	5.857	24711612	10514599	8.487	2.050	#
17)	MA 4,4'-DDT	6.993	6.108	11002651	24995340	3.625	4.358	
18)	B Endrin al...	0.000	6.181	0	23907694	N.D.	5.367	#
20)	A Methoxychlor	0.000	6.710f	0	16614164	N.D.	5.469	#
23)	Chlordane-1	0.000	3.839	0	9371473	N.D.	39.649	#
24)	Chlordane-2	5.215	0.000	6940796	0	35.452	N.D.	#
25)	Chlordane-3	5.917	5.052	17643573	17237768	23.948	21.426	
26)	Chlordane-4	6.002	5.116	16019347	25293088	17.854	33.660	#
27)	Chlordane-5	0.000	6.006	0	25896355	N.D.	91.361	#

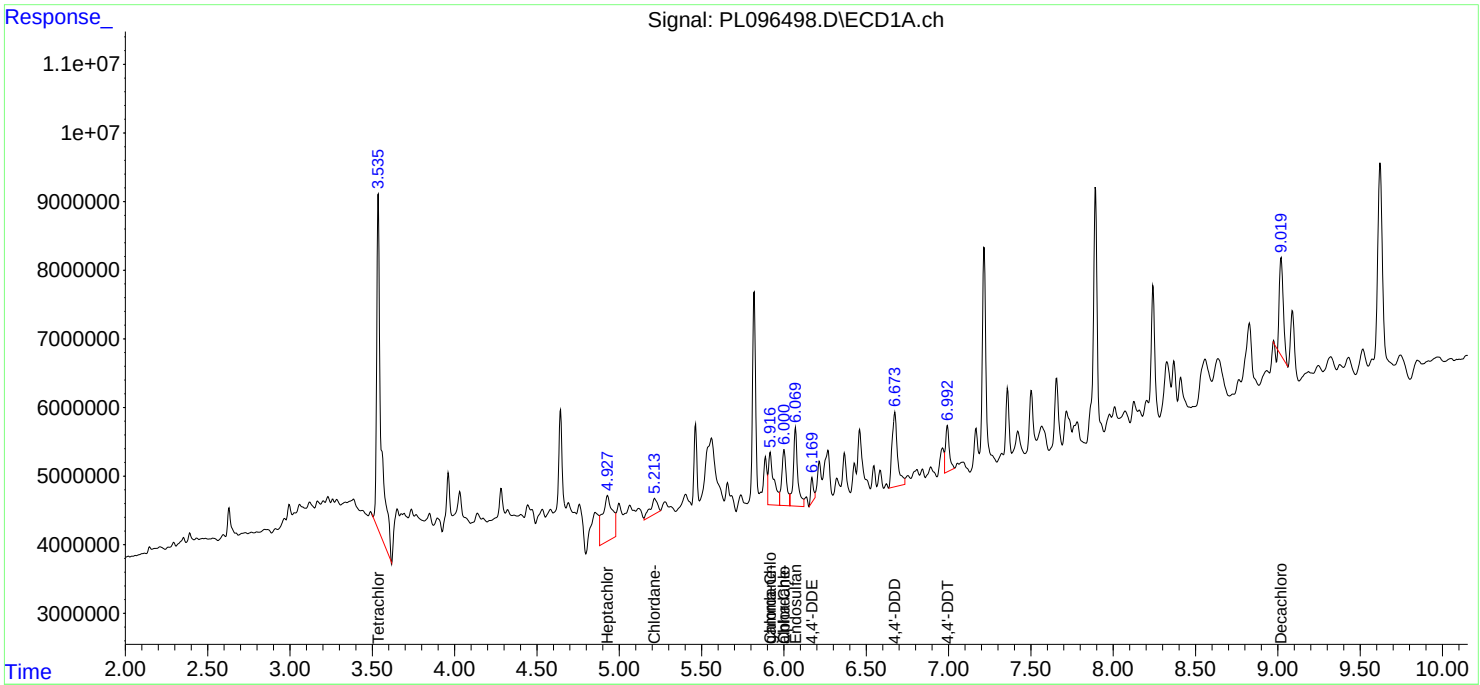
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

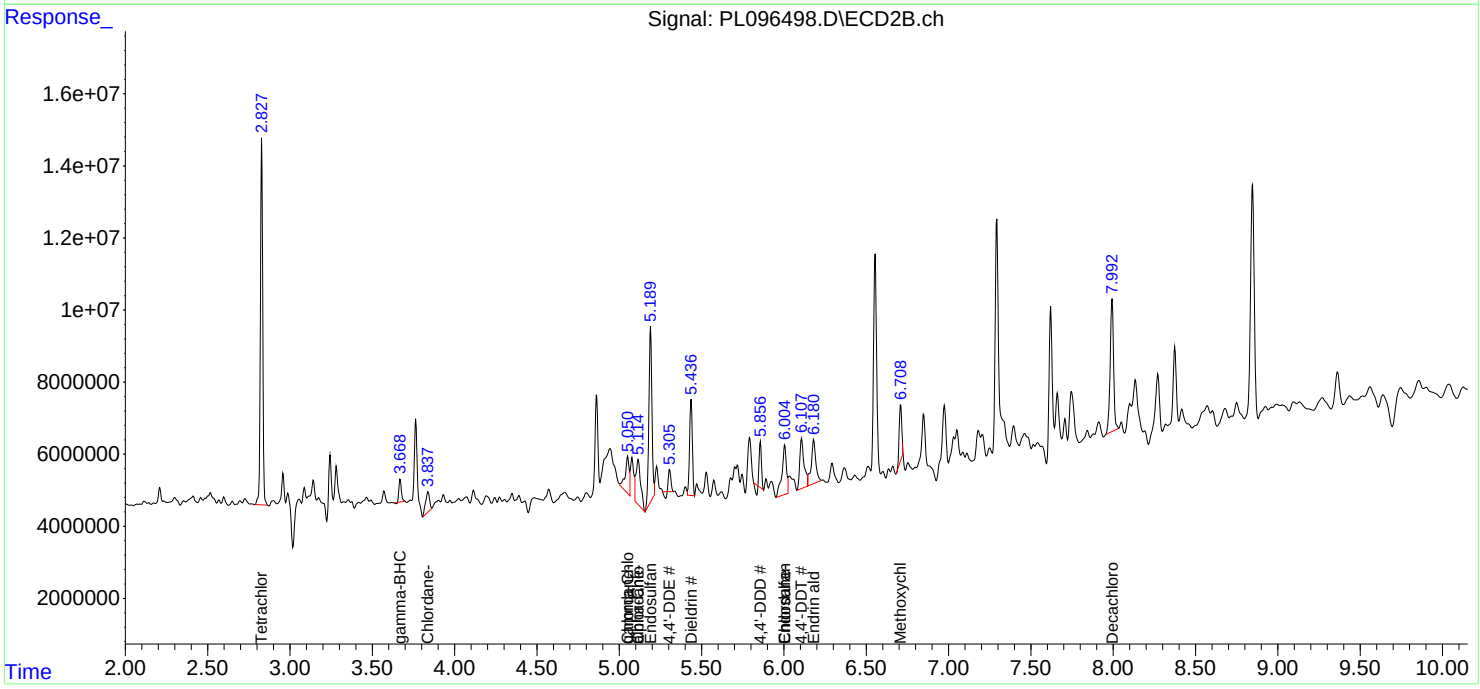
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096498.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 17:47
Operator : AR\AJ
Sample : Q2638-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

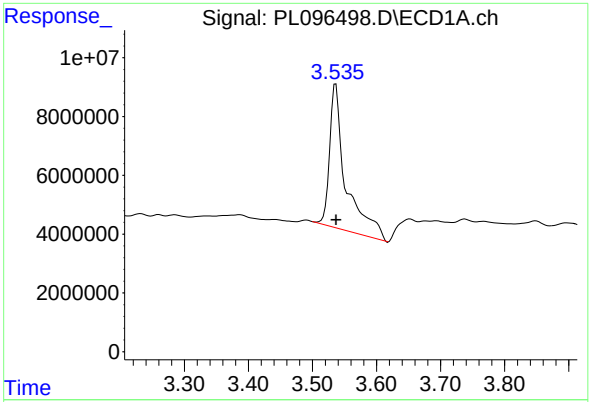
Instrument :
ECD_L
ClientSampleId :
OU4-TS-35-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:48:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



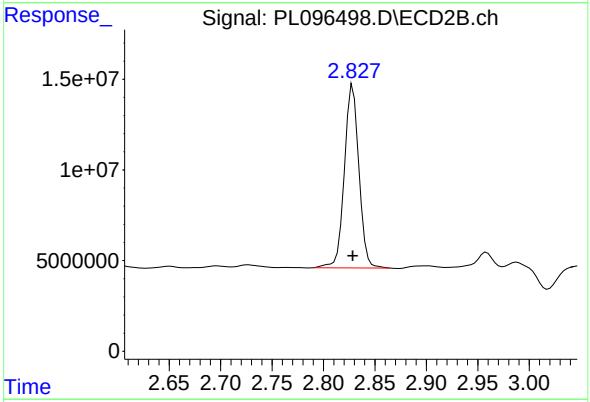




#1 Tetrachloro-m-xylene

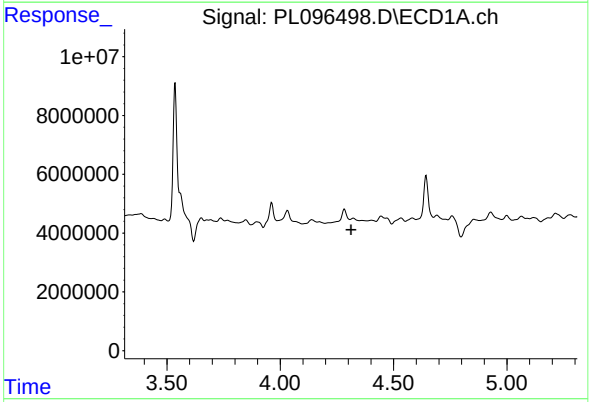
R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 86006087
Conc: 23.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-35-071725



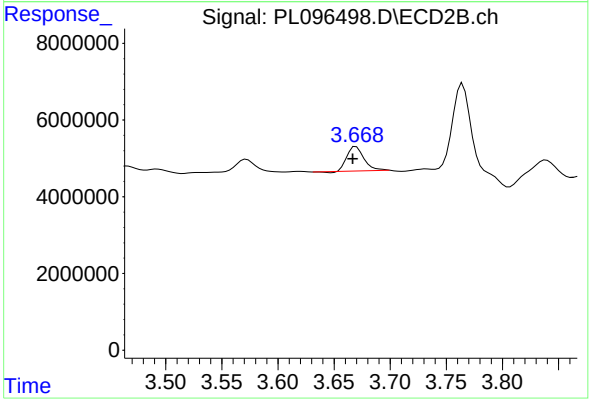
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 99542825
Conc: 17.25 ng/ml



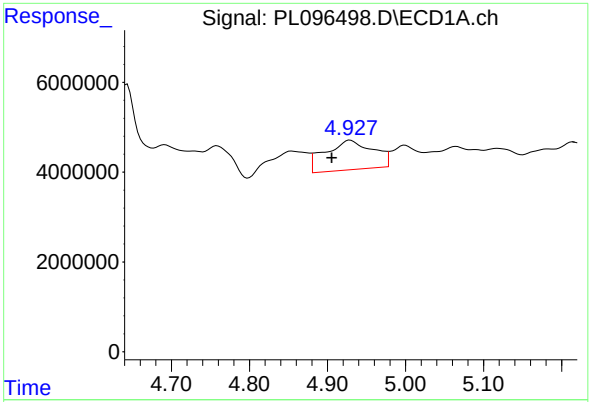
#3 gamma-BHC (Lindane)

R.T.: 0.000 min
Exp R.T. : 4.313 min
Response: 0
Conc: N.D.



#3 gamma-BHC (Lindane)

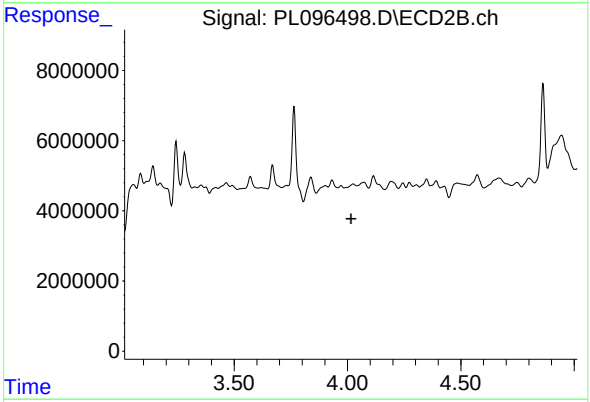
R.T.: 3.670 min
Delta R.T.: 0.003 min
Response: 6645704
Conc: 0.84 ng/ml



#4 Heptachlor

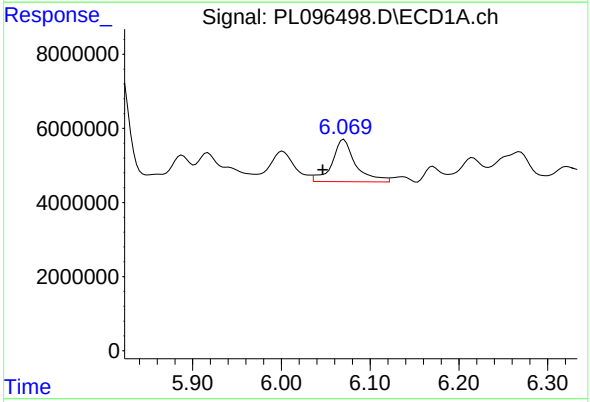
R.T.: 4.929 min
Delta R.T.: 0.023 min
Response: 28038386
Conc: 6.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-35-071725



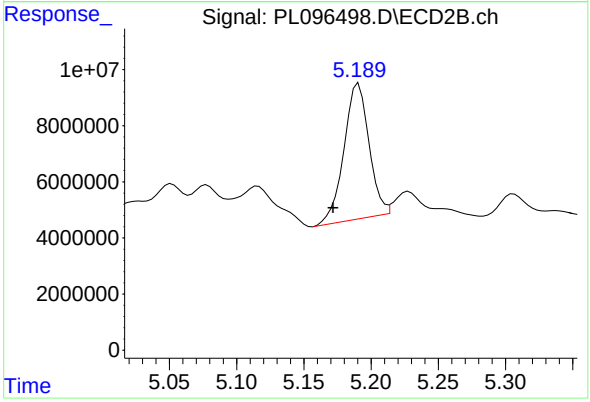
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.016 min
Response: 0
Conc: N.D.



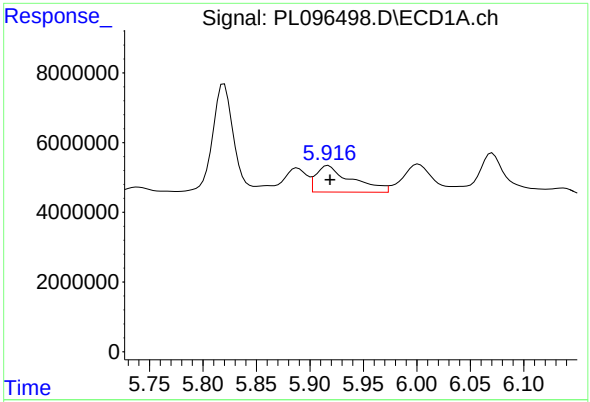
#9 Endosulfan I

R.T.: 6.071 min
Delta R.T.: 0.024 min
Response: 21006446
Conc: 5.20 ng/ml



#9 Endosulfan I

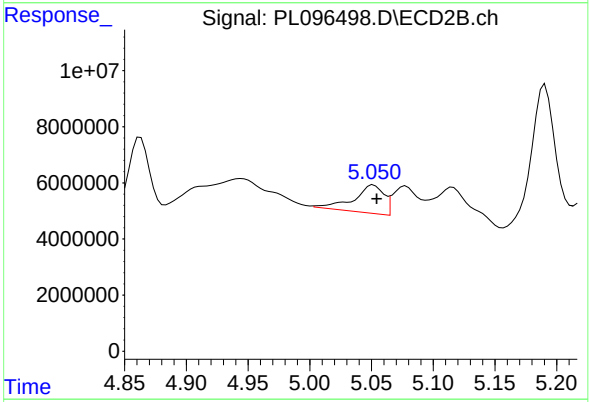
R.T.: 5.191 min
Delta R.T.: 0.019 min
Response: 62412007
Conc: 8.70 ng/ml



#10 gamma-Chlordane

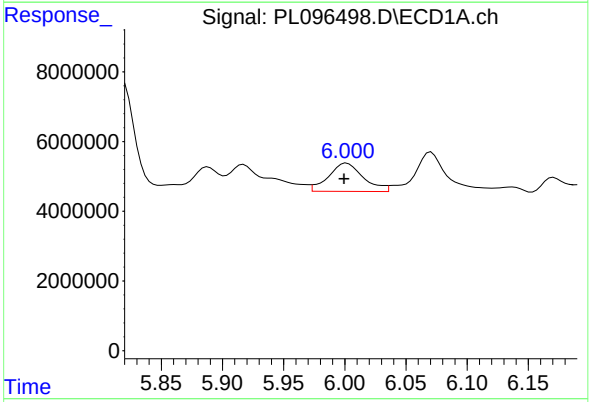
R.T.: 5.917 min
Delta R.T.: -0.001 min
Response: 17643573
Conc: 3.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-35-071725



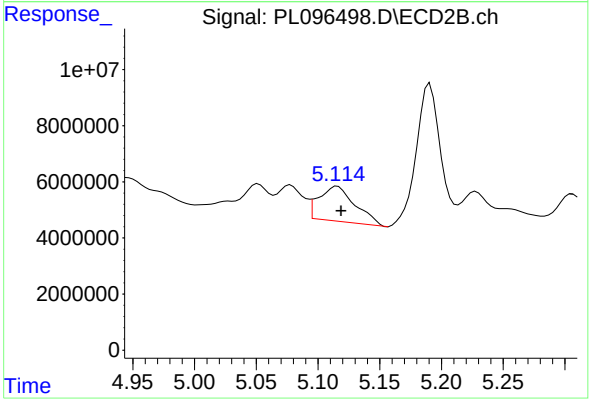
#10 gamma-Chlordane

R.T.: 5.052 min
Delta R.T.: -0.003 min
Response: 17237768
Conc: 2.46 ng/ml



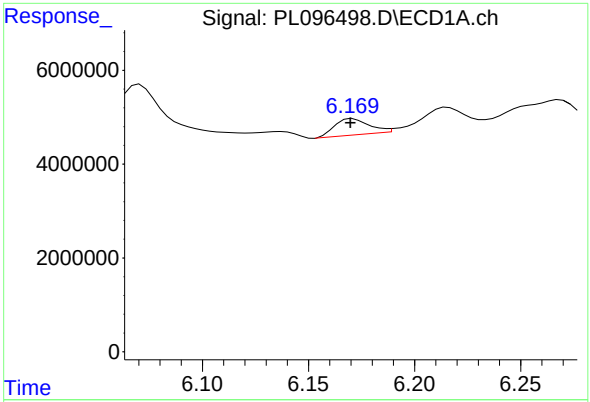
#11 alpha-Chlordane

R.T.: 6.002 min
Delta R.T.: 0.002 min
Response: 16019347
Conc: 3.66 ng/ml



#11 alpha-Chlordane

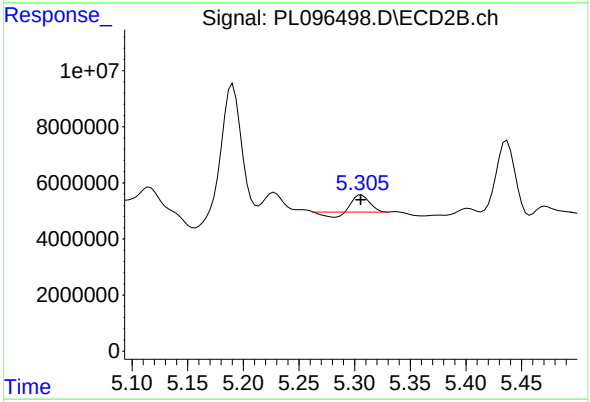
R.T.: 5.116 min
Delta R.T.: -0.003 min
Response: 25293088
Conc: 3.36 ng/ml



#12 4,4'-DDE

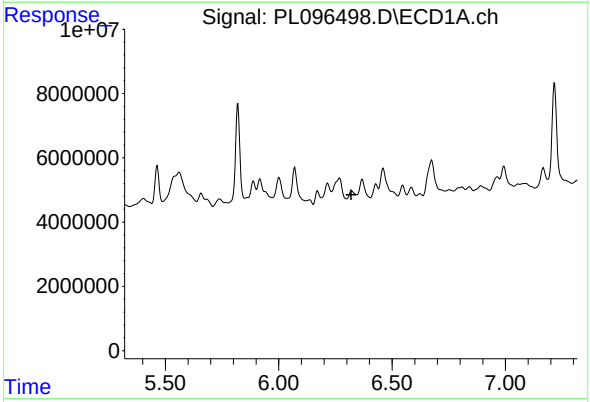
R.T.: 6.171 min
Delta R.T.: 0.001 min
Response: 3926844
Conc: 1.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-35-071725



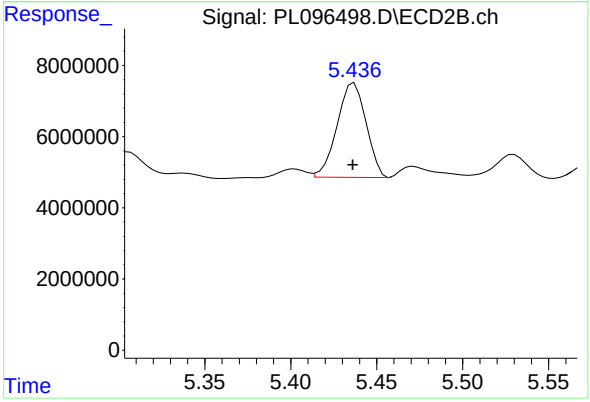
#12 4,4'-DDE

R.T.: 5.306 min
Delta R.T.: 0.000 min
Response: 5070307
Conc: 0.78 ng/ml



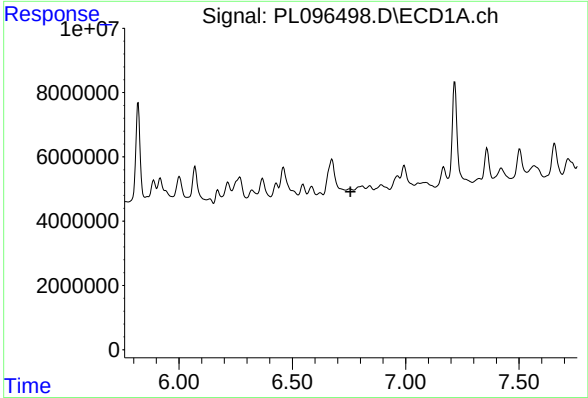
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.319 min
Response: 0
Conc: N.D.



#13 Dieldrin

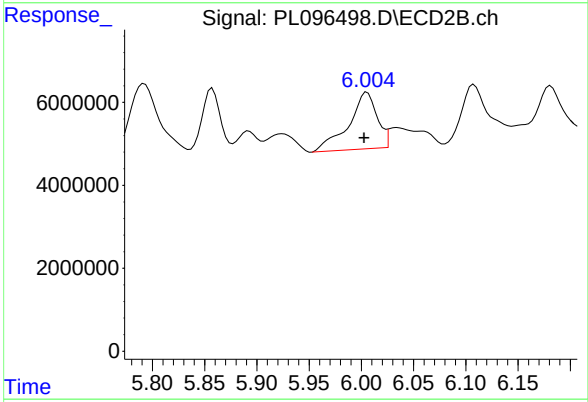
R.T.: 5.437 min
Delta R.T.: 0.000 min
Response: 31117748
Conc: 4.56 ng/ml



#15 Endosulfan II

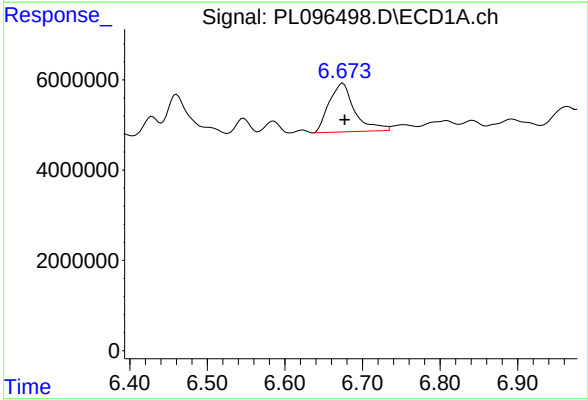
R.T.: 0.000 min
Exp R.T. : 6.757 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-35-071725



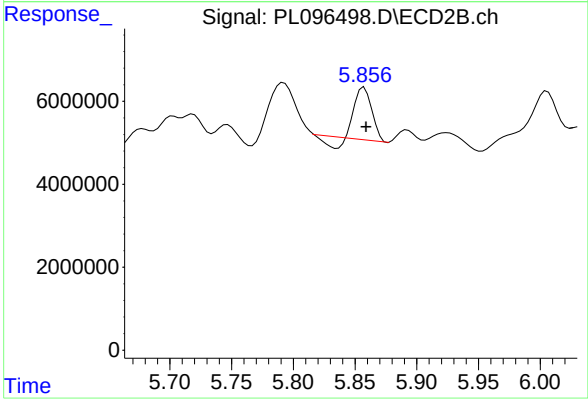
#15 Endosulfan II

R.T.: 6.006 min
Delta R.T.: 0.003 min
Response: 25896355
Conc: 4.42 ng/ml



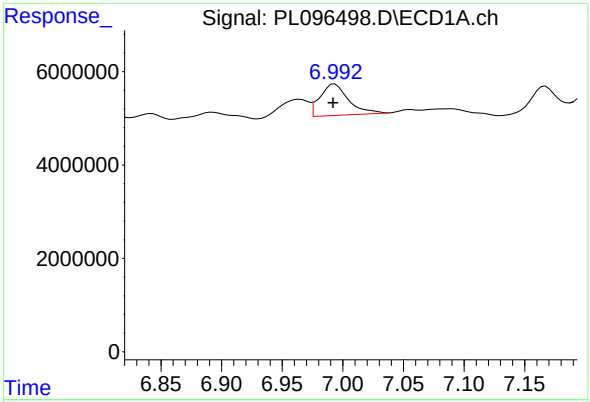
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: -0.002 min
Response: 24711612
Conc: 8.49 ng/ml



#16 4,4'-DDD

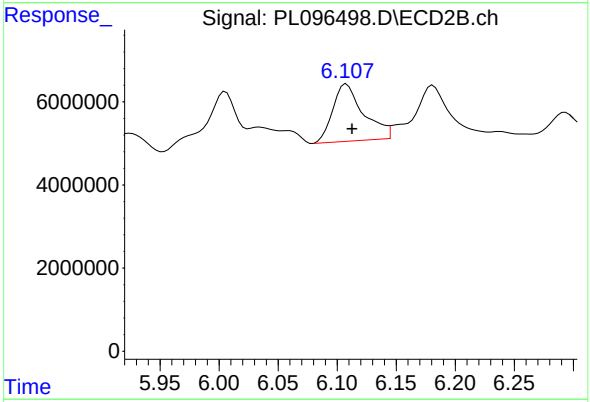
R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 10514599
Conc: 2.05 ng/ml



#17 4,4'-DDT

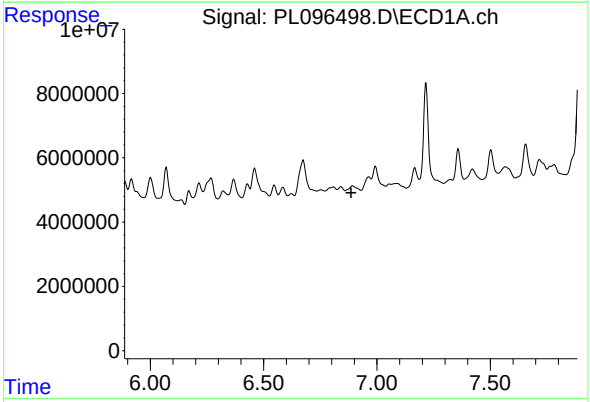
R.T.: 6.993 min
Delta R.T.: 0.002 min
Response: 11002651
Conc: 3.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-35-071725



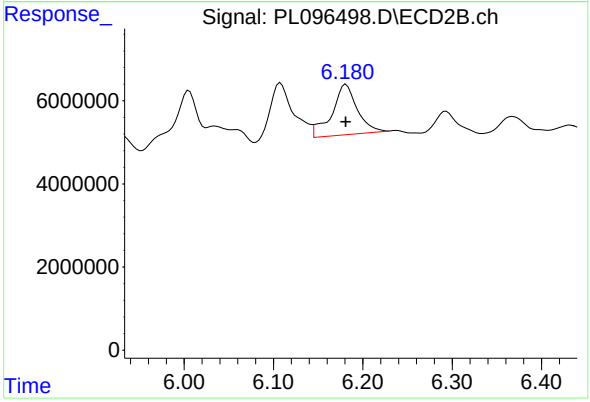
#17 4,4'-DDT

R.T.: 6.108 min
Delta R.T.: -0.005 min
Response: 24995340
Conc: 4.36 ng/ml



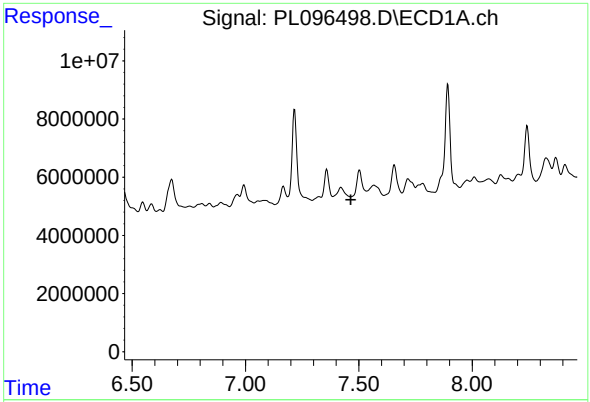
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.886 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

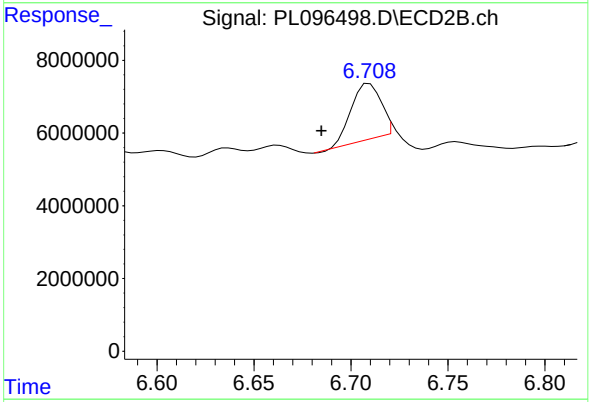
R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 23907694
Conc: 5.37 ng/ml



#20 Methoxychlor

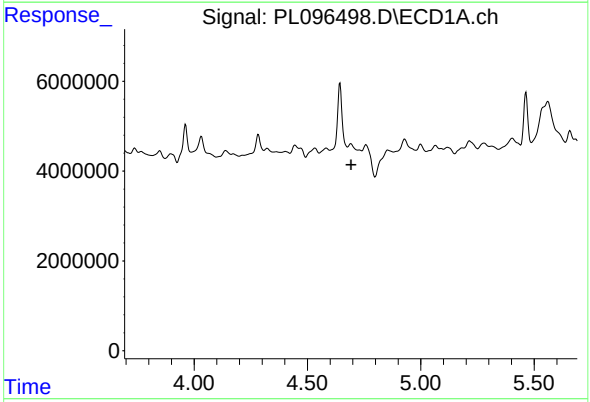
R.T.: 0.000 min
Exp R.T. : 7.465 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-35-071725



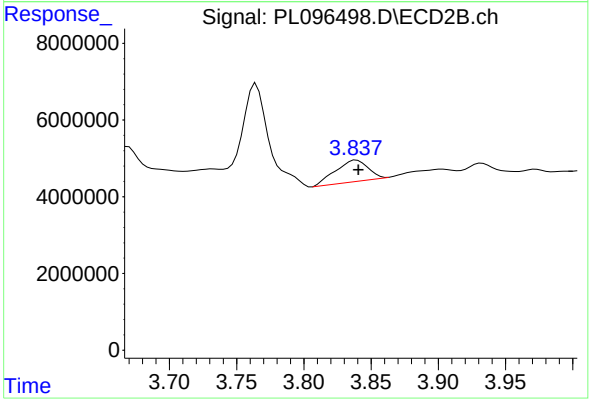
#20 Methoxychlor

R.T.: 6.710 min
Delta R.T.: 0.025 min
Response: 16614164
Conc: 5.47 ng/ml



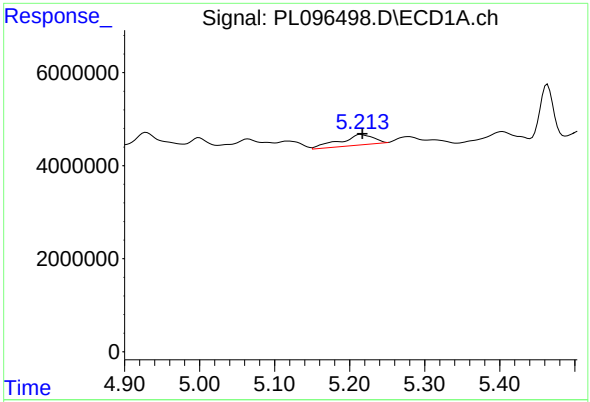
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.693 min
Response: 0
Conc: N.D.



#23 Chlordane-1

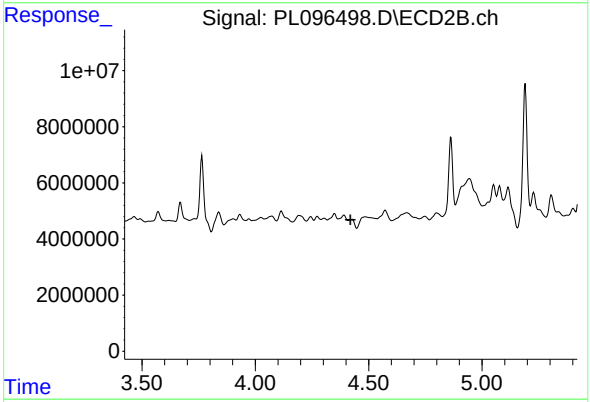
R.T.: 3.839 min
Delta R.T.: -0.001 min
Response: 9371473
Conc: 39.65 ng/ml



#24 Chlordane-2

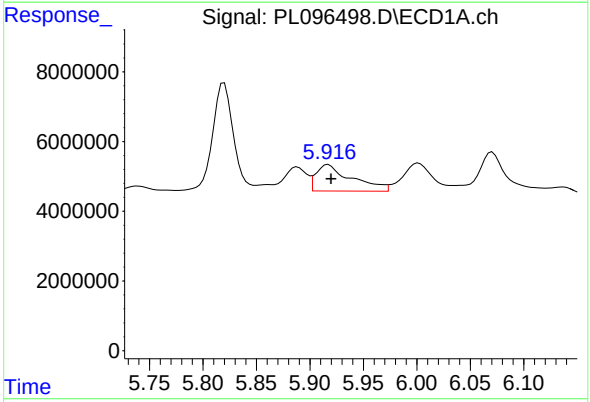
R.T.: 5.215 min
Delta R.T.: -0.002 min
Response: 6940796
Conc: 35.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-35-071725



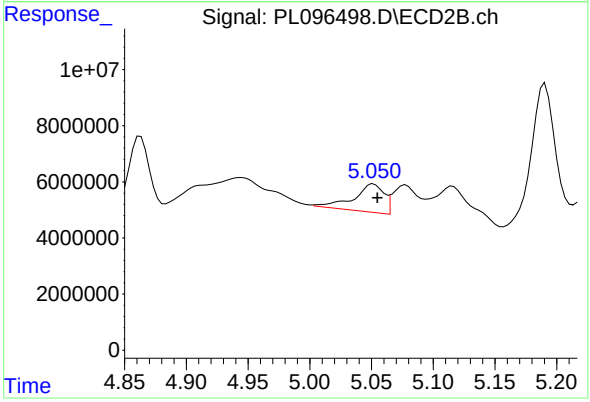
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.420 min
Response: 0
Conc: N.D.



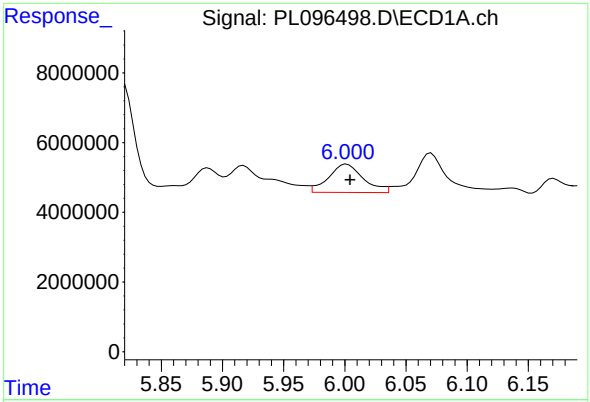
#25 Chlordane-3

R.T.: 5.917 min
Delta R.T.: -0.003 min
Response: 17643573
Conc: 23.95 ng/ml



#25 Chlordane-3

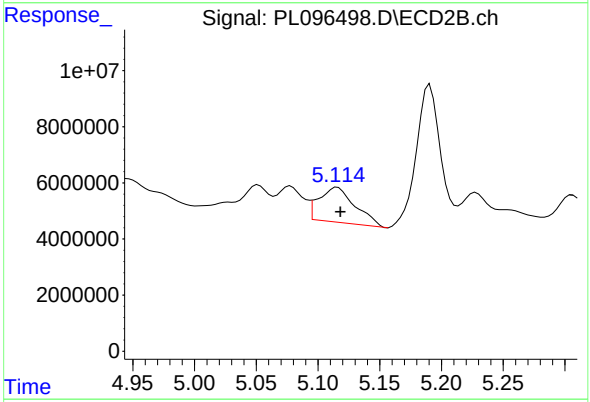
R.T.: 5.052 min
Delta R.T.: -0.003 min
Response: 17237768
Conc: 21.43 ng/ml



#26 Chlordane-4

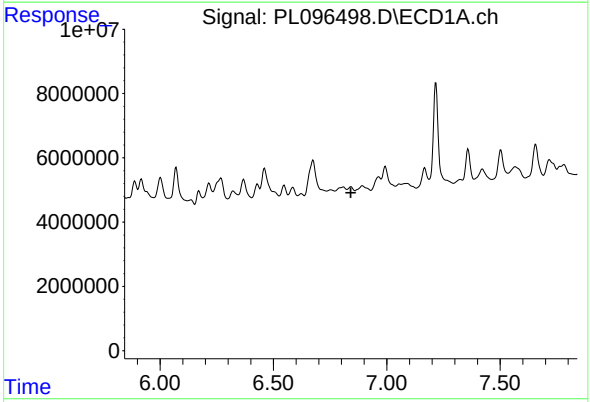
R.T.: 6.002 min
Delta R.T.: -0.003 min
Response: 16019347
Conc: 17.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-35-071725



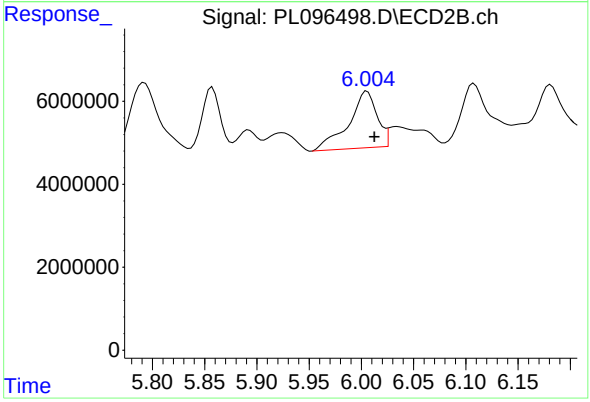
#26 Chlordane-4

R.T.: 5.116 min
Delta R.T.: -0.002 min
Response: 25293088
Conc: 33.66 ng/ml



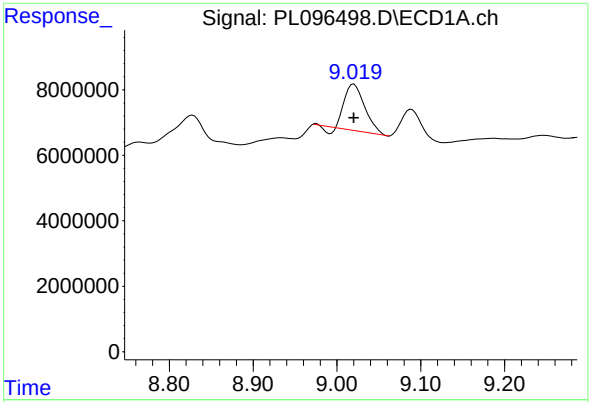
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.841 min
Response: 0
Conc: N.D.



#27 Chlordane-5

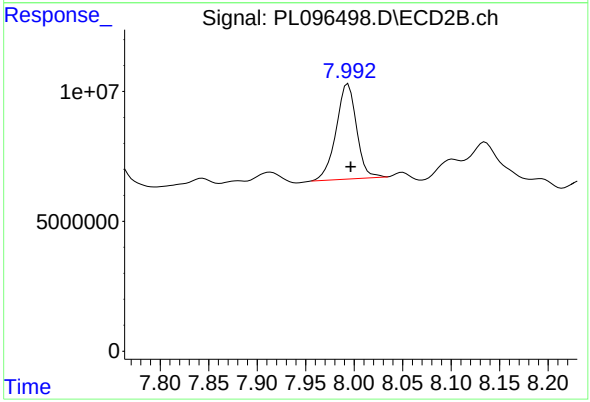
R.T.: 6.006 min
Delta R.T.: -0.007 min
Response: 25896355
Conc: 91.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 23084477
Conc: 8.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-35-071725



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 53522692
Conc: 10.73 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096499.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 18:01
Operator : AR\AJ
Sample : Q2638-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-36-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:49:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.829	85100756	95847435	23.322	16.608	#
28)	SA Decachlor...	9.021	7.993	21787312	52850551	7.745	10.599	#
	Target Compounds							
3)	MA gamma-BHC...	0.000	3.670	0	6683900	N.D.	0.849	#
4)	MA Heptachlor	4.929f	0.000	28041333	0	6.121	N.D.	#
8)	B Heptachlo...	5.658	0.000	13287958	0	3.203	N.D.	#
9)	A Endosulfan I	6.071f	5.190f	21525592	57624821	5.332	8.032	#
10)	B gamma-Chl...	5.917	5.052	20501423	11592627	4.633	1.651	#
11)	B alpha-Chl...	6.002	5.115	17686098	21581264	4.039	2.870	#
12)	B 4,4'-DDE	6.171	5.306	3811305	6321413	1.028	0.978	
13)	MA Dieldrin	6.323	5.436	1477636	26174415	0.349	3.838	#
14)	MA Endrin	0.000	5.718	0	7574805	N.D.	1.242	#
15)	B Endosulfa...	0.000	6.005	0	19660329	N.D.	3.353	#
16)	A 4,4'-DDD	6.674	5.856	21926105	13565028	7.530	2.645	#
17)	MA 4,4'-DDT	6.992	6.108	10104079	19440131	3.329	3.390	
18)	B Endrin al...	0.000	6.181	0	21544345	N.D.	4.836	#
20)	A Methoxychlor	0.000	6.709f	0	16899562	N.D.	5.563	#
23)	Chlordane-1	0.000	3.839	0	9213137	N.D.	38.979	#
25)	Chlordane-3	5.917	5.052	20501423	11592627	27.827	14.409	#
26)	Chlordane-4	6.002	5.115	17686098	21581264	19.712	28.720	#
27)	Chlordane-5	0.000	6.005	0	19660329	N.D.	69.361	#

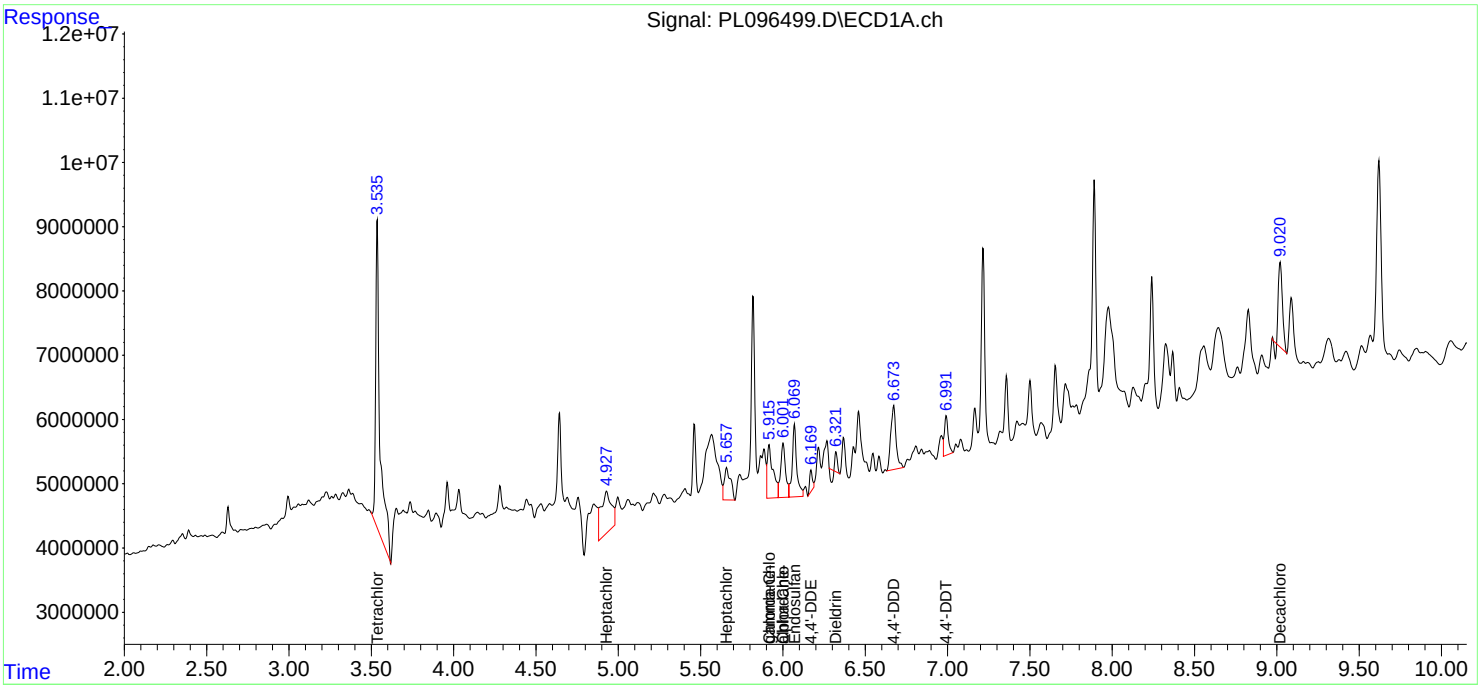
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

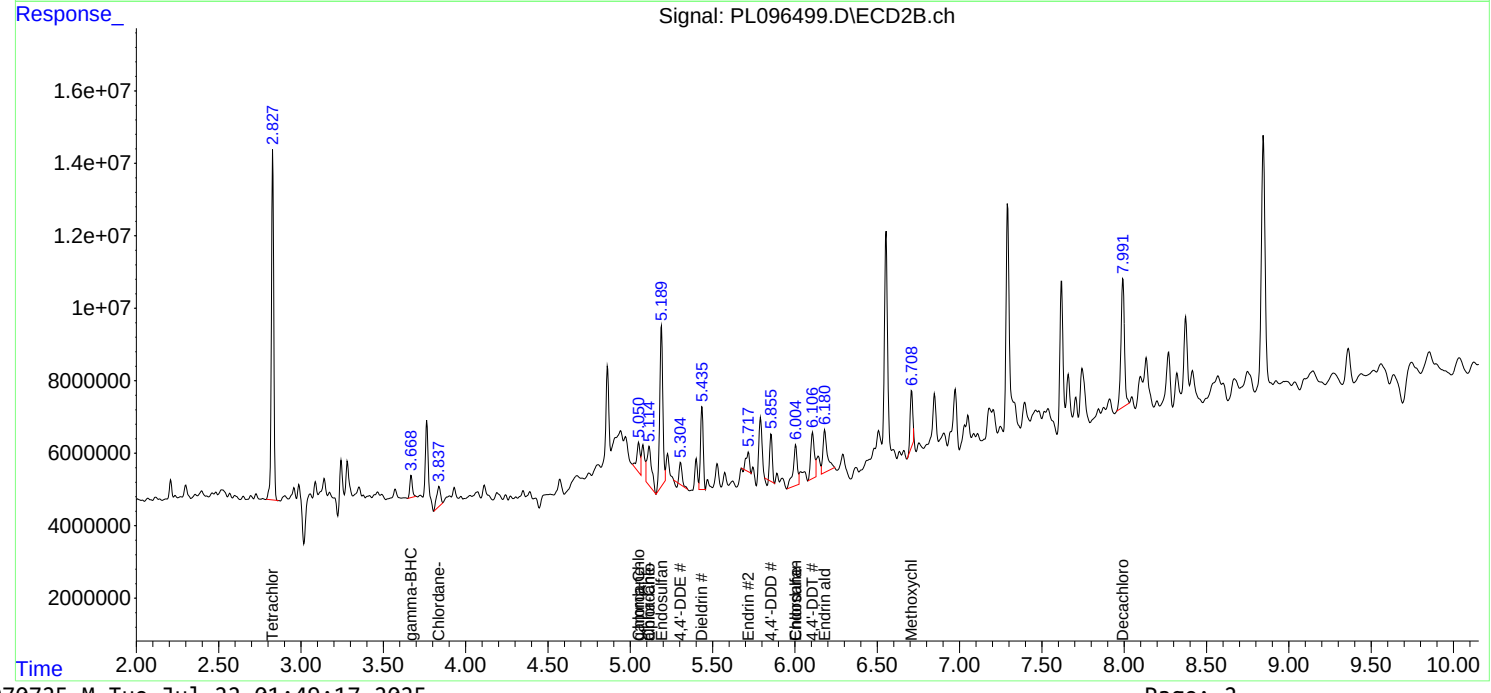
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096499.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 18:01
Operator : AR\AJ
Sample : Q2638-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

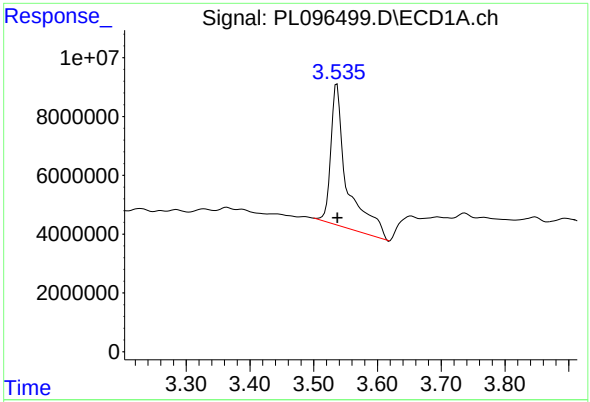
Instrument :
ECD_L
ClientSampleId :
OU4-TS-36-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:49:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



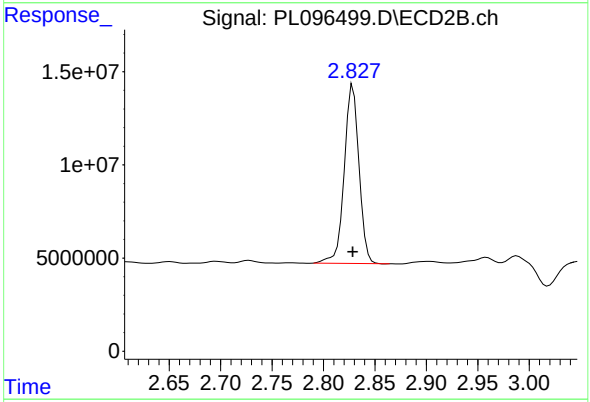




#1 Tetrachloro-m-xylene

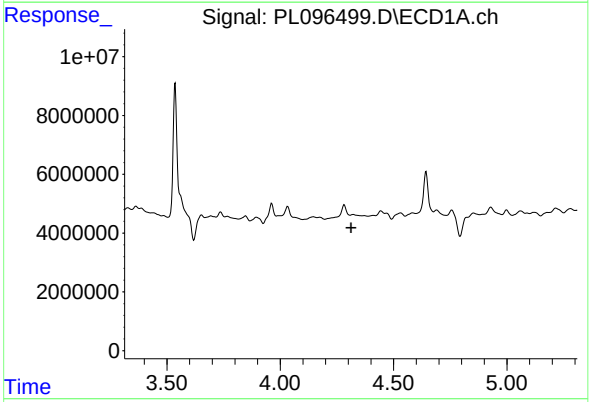
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 85100756
Conc: 23.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-36-071725



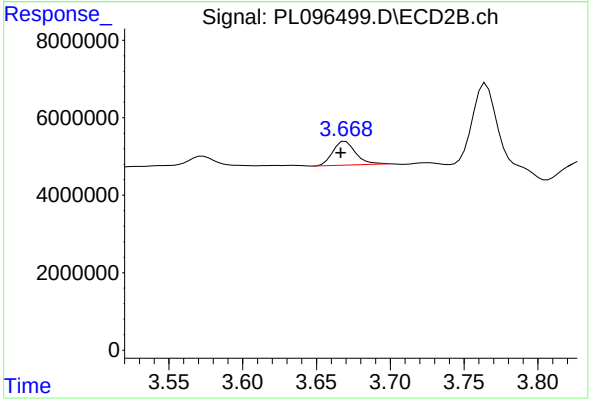
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 95847435
Conc: 16.61 ng/ml



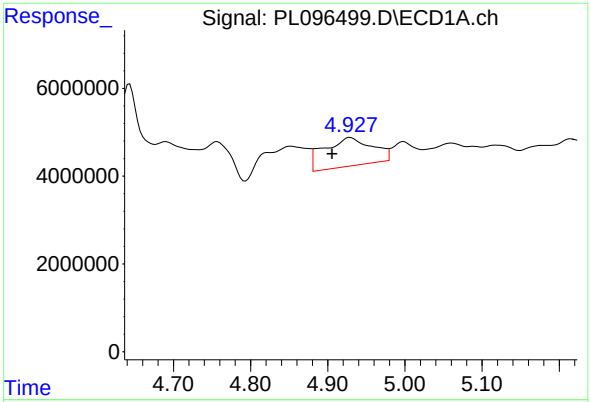
#3 gamma-BHC (Lindane)

R.T.: 0.000 min
Exp R.T. : 4.313 min
Response: 0
Conc: N.D.



#3 gamma-BHC (Lindane)

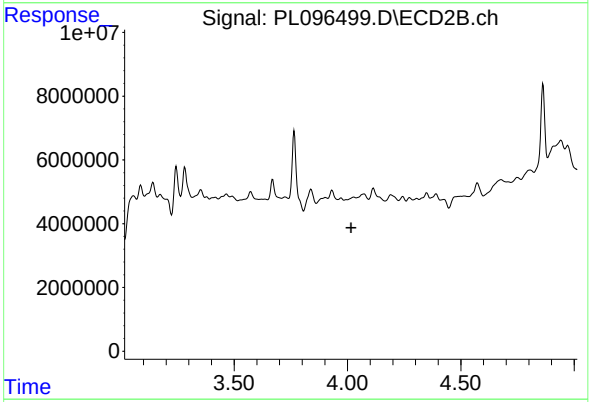
R.T.: 3.670 min
Delta R.T.: 0.003 min
Response: 6683900
Conc: 0.85 ng/ml



#4 Heptachlor

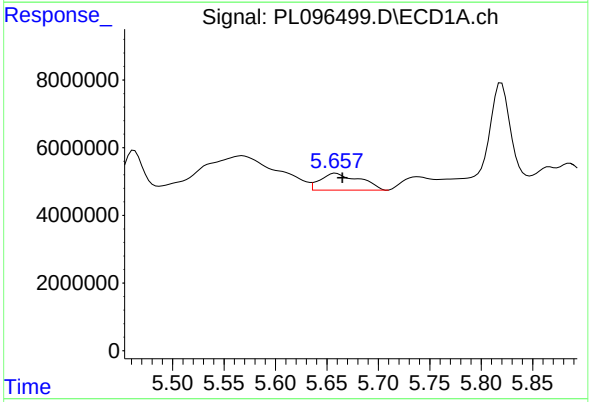
R.T.: 4.929 min
Delta R.T.: 0.024 min
Response: 28041333
Conc: 6.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-36-071725



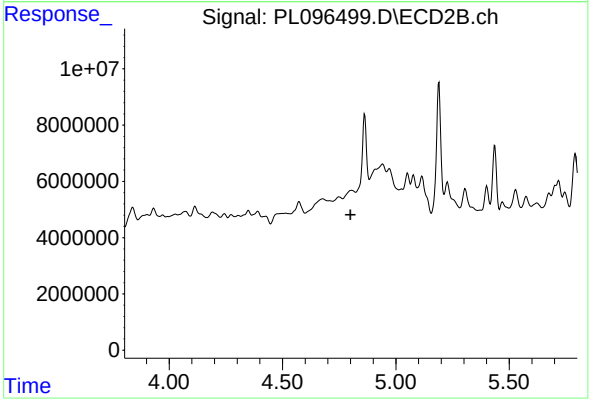
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.016 min
Response: 0
Conc: N.D.



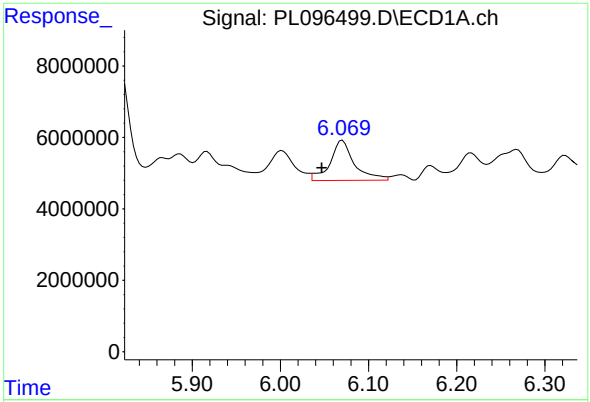
#8 Heptachlor epoxide

R.T.: 5.658 min
Delta R.T.: -0.007 min
Response: 13287958
Conc: 3.20 ng/ml



#8 Heptachlor epoxide

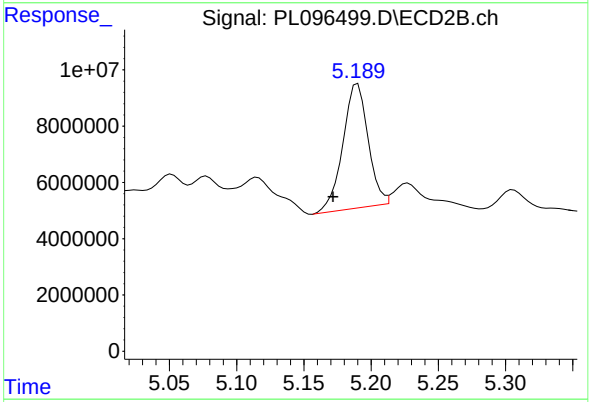
R.T.: 0.000 min
Exp R.T. : 4.800 min
Response: 0
Conc: N.D.



#9 Endosulfan I

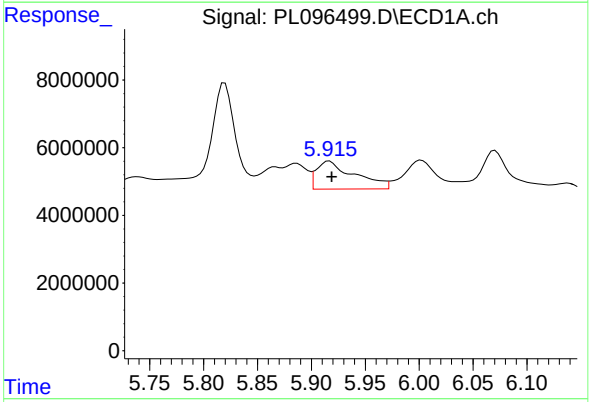
R.T.: 6.071 min
Delta R.T.: 0.024 min
Response: 21525592
Conc: 5.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-36-071725



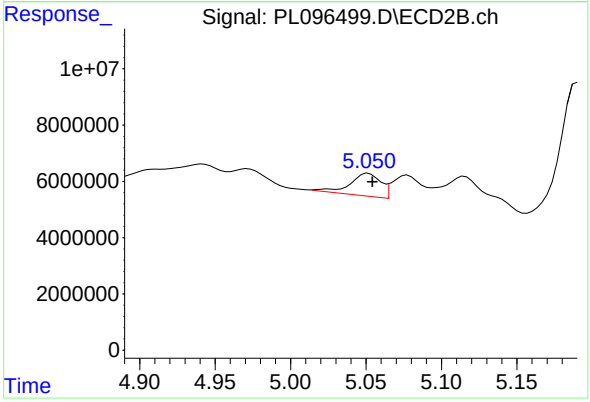
#9 Endosulfan I

R.T.: 5.190 min
Delta R.T.: 0.018 min
Response: 57624821
Conc: 8.03 ng/ml



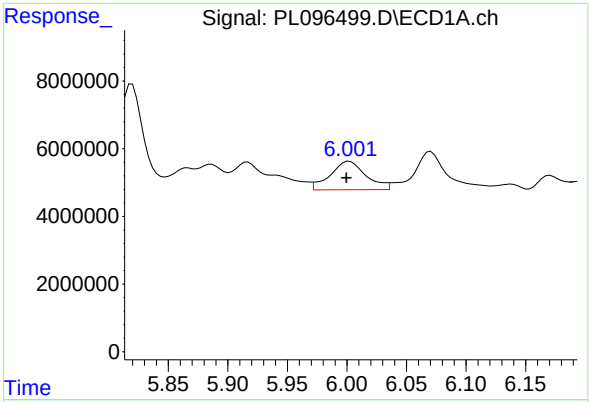
#10 gamma-Chlordane

R.T.: 5.917 min
Delta R.T.: -0.002 min
Response: 20501423
Conc: 4.63 ng/ml



#10 gamma-Chlordane

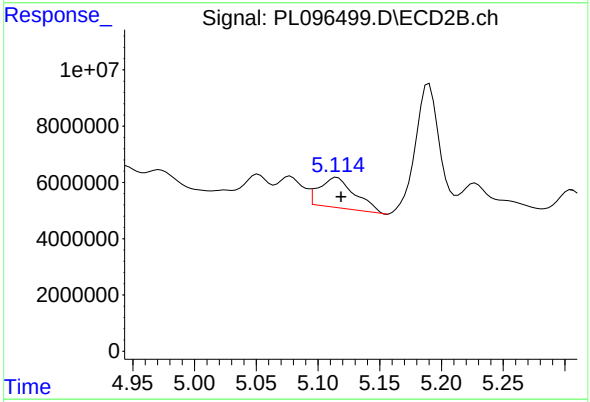
R.T.: 5.052 min
Delta R.T.: -0.003 min
Response: 11592627
Conc: 1.65 ng/ml



#11 alpha-Chlordane

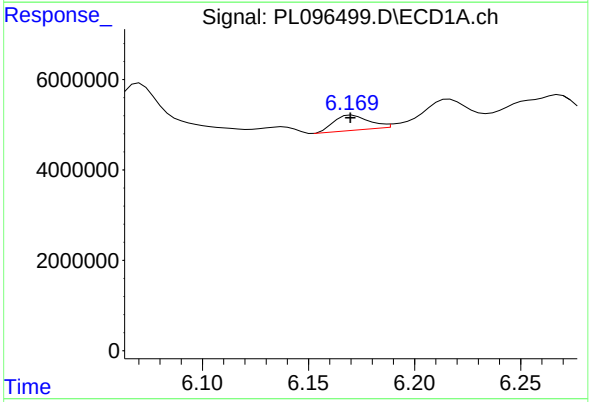
R.T.: 6.002 min
Delta R.T.: 0.003 min
Response: 17686098
Conc: 4.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-36-071725



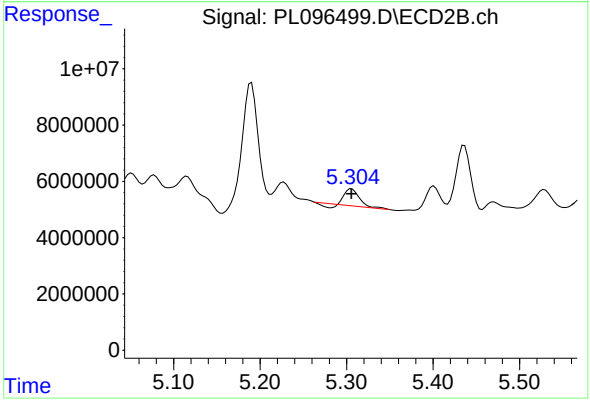
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.003 min
Response: 21581264
Conc: 2.87 ng/ml



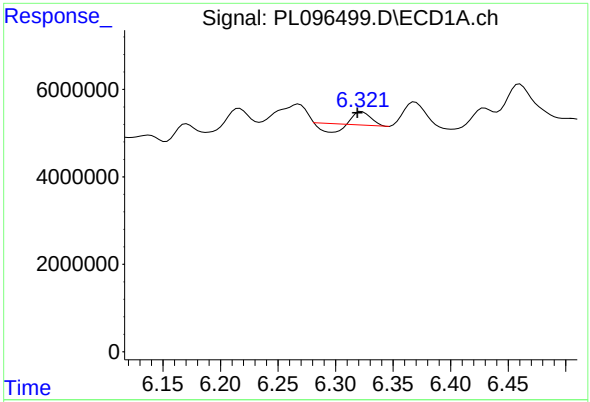
#12 4,4'-DDE

R.T.: 6.171 min
Delta R.T.: 0.001 min
Response: 3811305
Conc: 1.03 ng/ml



#12 4,4'-DDE

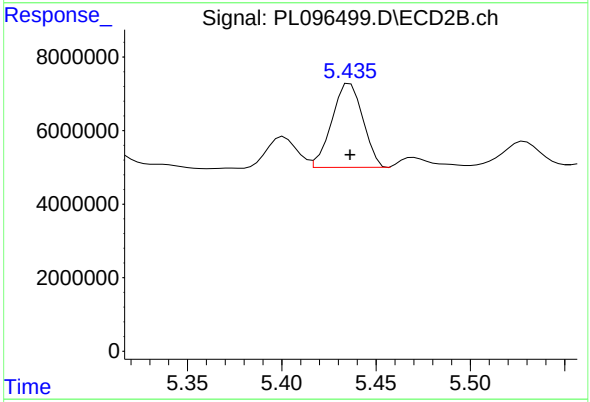
R.T.: 5.306 min
Delta R.T.: 0.000 min
Response: 6321413
Conc: 0.98 ng/ml



#13 Dieldrin

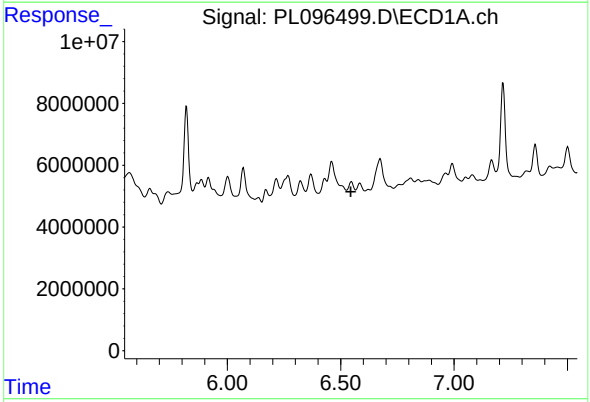
R.T.: 6.323 min
Delta R.T.: 0.004 min
Response: 1477636
Conc: 0.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-36-071725



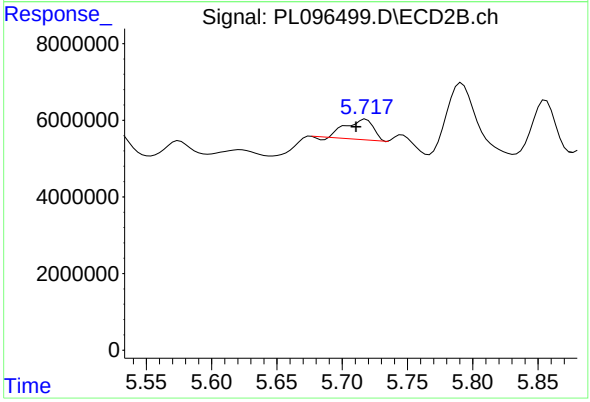
#13 Dieldrin

R.T.: 5.436 min
Delta R.T.: 0.000 min
Response: 26174415
Conc: 3.84 ng/ml



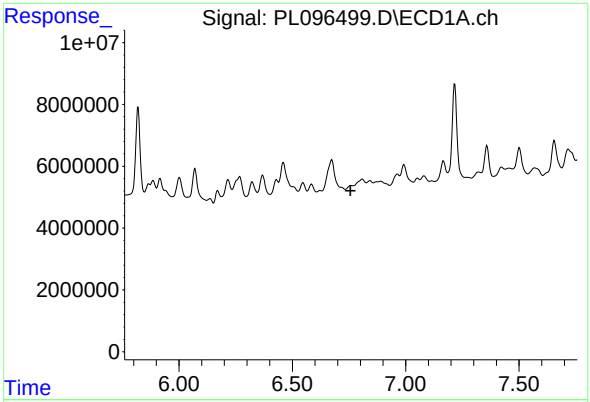
#14 Endrin

R.T.: 0.000 min
Exp R.T. : 6.545 min
Response: 0
Conc: N.D.



#14 Endrin

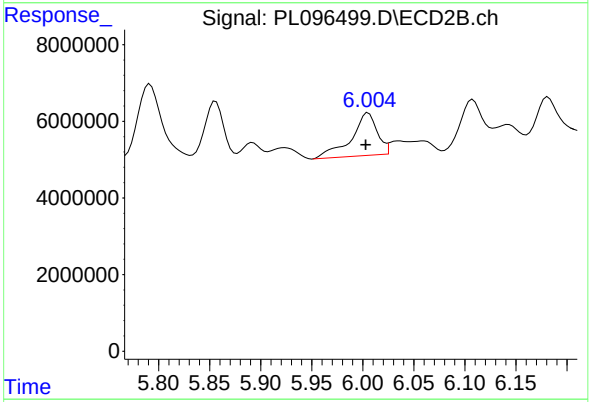
R.T.: 5.718 min
Delta R.T.: 0.007 min
Response: 7574805
Conc: 1.24 ng/ml



#15 Endosulfan II

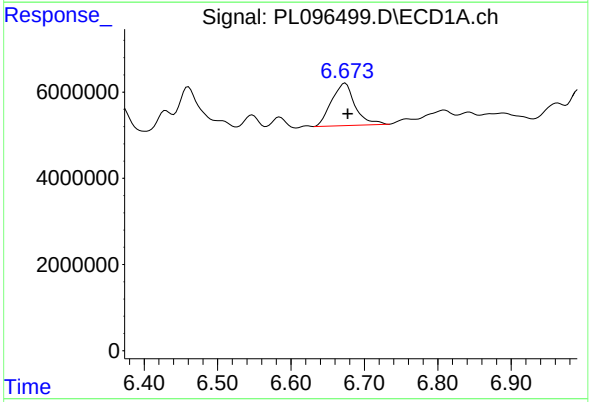
R.T.: 0.000 min
Exp R.T. : 6.757 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-36-071725



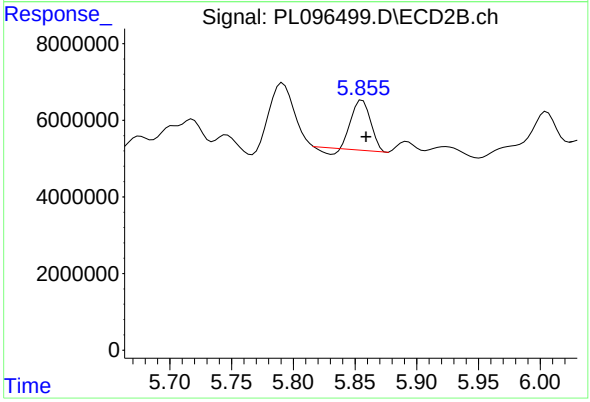
#15 Endosulfan II

R.T.: 6.005 min
Delta R.T.: 0.003 min
Response: 19660329
Conc: 3.35 ng/ml



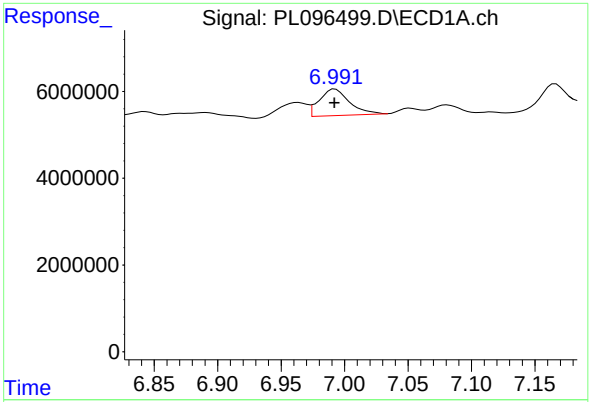
#16 4,4'-DDD

R.T.: 6.674 min
Delta R.T.: -0.003 min
Response: 21926105
Conc: 7.53 ng/ml



#16 4,4'-DDD

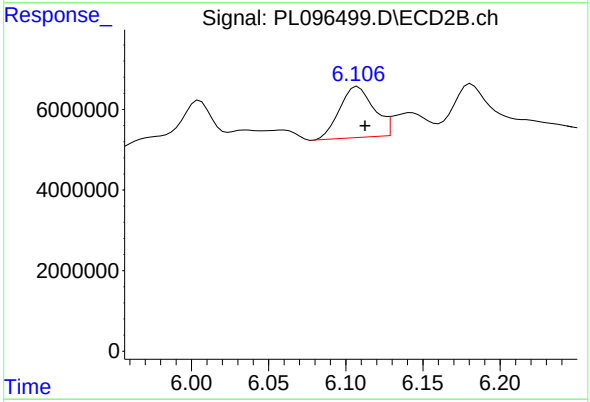
R.T.: 5.856 min
Delta R.T.: -0.003 min
Response: 13565028
Conc: 2.64 ng/ml



#17 4,4'-DDT

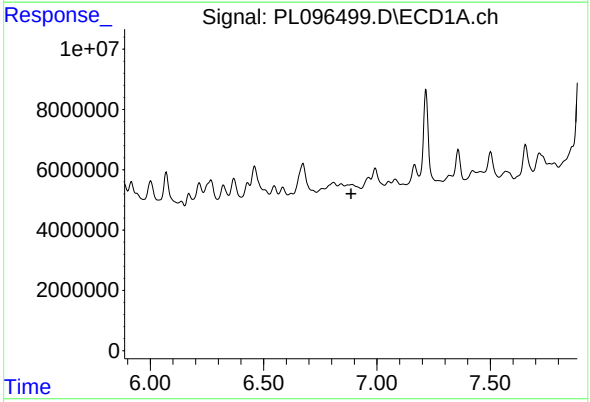
R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 10104079
Conc: 3.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-36-071725



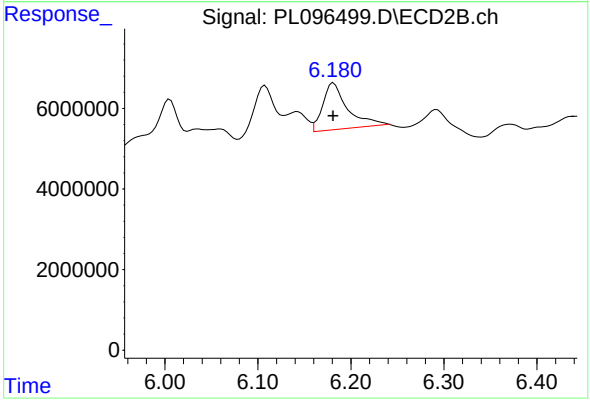
#17 4,4'-DDT

R.T.: 6.108 min
Delta R.T.: -0.005 min
Response: 19440131
Conc: 3.39 ng/ml



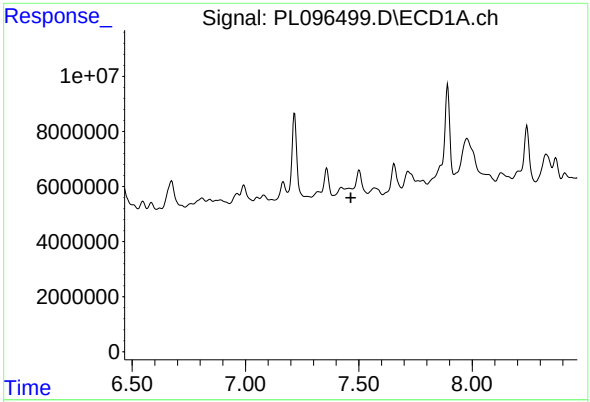
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.886 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

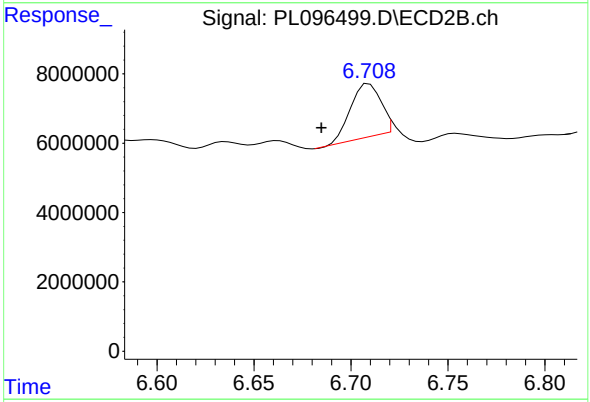
R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 21544345
Conc: 4.84 ng/ml



#20 Methoxychlor

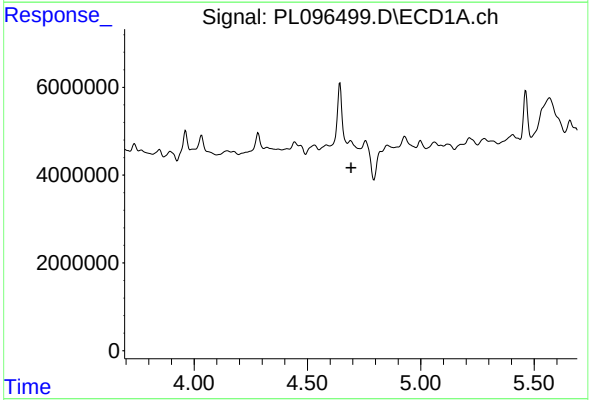
R.T.: 0.000 min
Exp R.T. : 7.465 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-36-071725



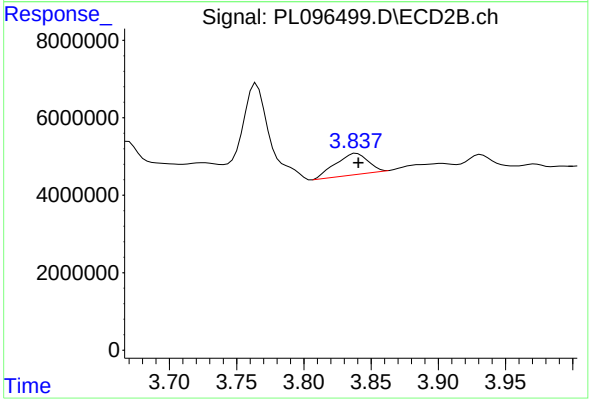
#20 Methoxychlor

R.T.: 6.709 min
Delta R.T.: 0.025 min
Response: 16899562
Conc: 5.56 ng/ml



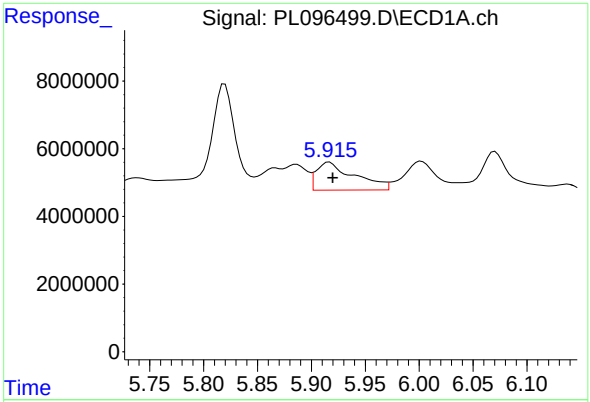
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.693 min
Response: 0
Conc: N.D.



#23 Chlordane-1

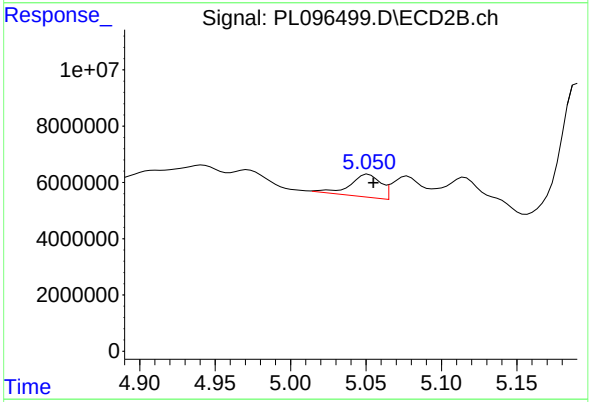
R.T.: 3.839 min
Delta R.T.: -0.001 min
Response: 9213137
Conc: 38.98 ng/ml



#25 Chlordane-3

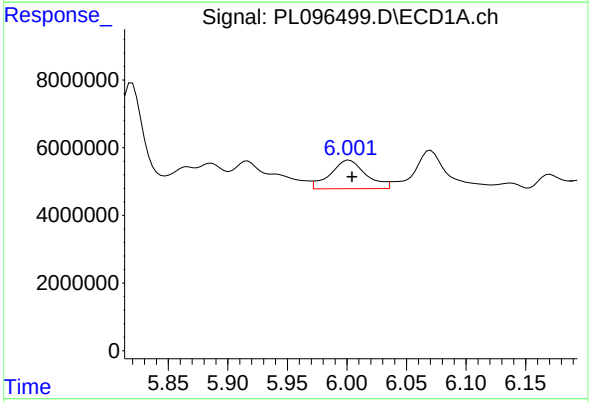
R.T.: 5.917 min
Delta R.T.: -0.003 min
Response: 20501423
Conc: 27.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-36-071725



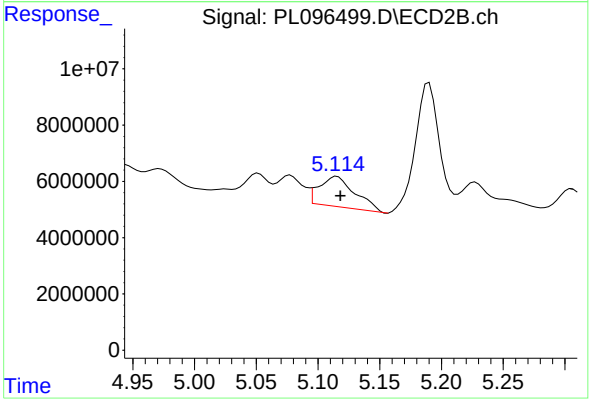
#25 Chlordane-3

R.T.: 5.052 min
Delta R.T.: -0.003 min
Response: 11592627
Conc: 14.41 ng/ml



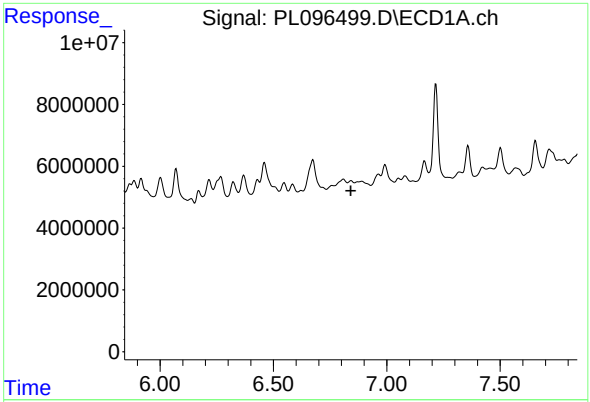
#26 Chlordane-4

R.T.: 6.002 min
Delta R.T.: -0.002 min
Response: 17686098
Conc: 19.71 ng/ml



#26 Chlordane-4

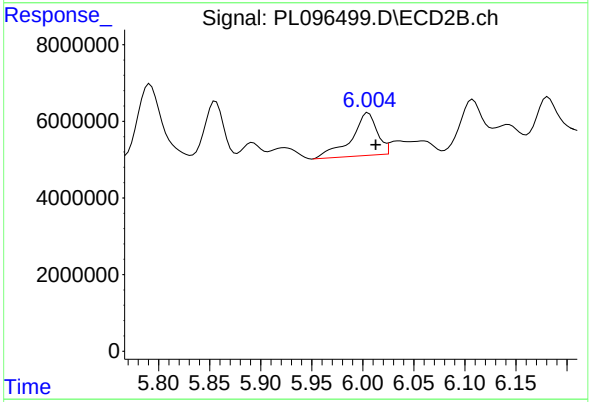
R.T.: 5.115 min
Delta R.T.: -0.003 min
Response: 21581264
Conc: 28.72 ng/ml



#27 Chlordane-5

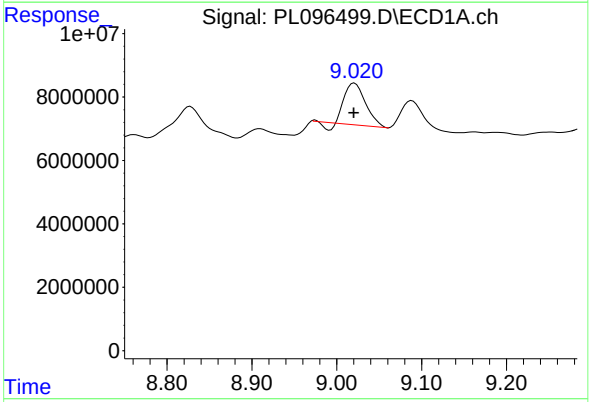
R.T.: 0.000 min
Exp R.T. : 6.841 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-36-071725



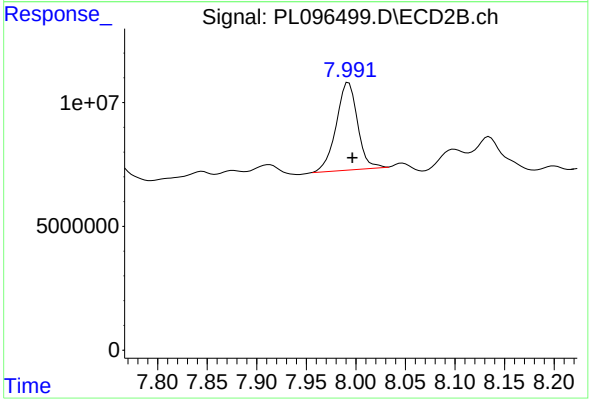
#27 Chlordane-5

R.T.: 6.005 min
Delta R.T.: -0.007 min
Response: 19660329
Conc: 69.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.021 min
Delta R.T.: 0.000 min
Response: 21787312
Conc: 7.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.004 min
Response: 52850551
Conc: 10.60 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096500.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 18:15
Operator : AR\AJ
Sample : Q2638-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-37-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:49:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.828	101.5E6	112.3E6	27.809	19.451	#
28)	SA Decachlor...	9.020	7.994	27224139	65449428	9.678	13.125	#
	Target Compounds							
3)	MA gamma-BHC...	0.000	3.669	0	6945833	N.D.	0.882	#
4)	MA Heptachlor	4.928f	0.000	25760709	0	5.623	N.D.	#
8)	B Heptachlo...	5.659	0.000	9545563	0	2.301	N.D.	#
9)	A Endosulfan I	6.070f	5.190f	24446949	67635191	6.055	9.428	#
10)	B gamma-Chl...	5.917	5.051	17196452	11105684	3.886	1.582	#
11)	B alpha-Chl...	6.001	5.115	17321903	23275976	3.956	3.095	
12)	B 4,4'-DDE	6.171	5.305	4504494	7334893	1.215	1.135	
13)	MA Dieldrin	0.000	5.436	0	31113770	N.D.	4.563	#
15)	B Endosulfa...	0.000	6.005	0	25241306	N.D.	4.305	#
16)	A 4,4'-DDD	6.674	5.857	26303410	12365474	9.034	2.411	#
17)	MA 4,4'-DDT	6.993	6.108	13810225	25325869	4.550	4.416	
18)	B Endrin al...	0.000	6.181	0	28299986	N.D.	6.353	#
20)	A Methoxychlor	0.000	6.709f	0	20518394	N.D.	6.754	#
21)	B Endrin ke...	0.000	6.903	0	9549211	N.D.	1.527	#
23)	Chlordane-1	0.000	3.838	0	10141094	N.D.	42.905	#
25)	Chlordane-3	5.917	5.051	17196452	11105684	23.341	13.804	#
26)	Chlordane-4	6.001	5.115	17321903	23275976	19.306	30.976	#
27)	Chlordane-5	0.000	6.005	0	25241306	N.D.	89.050	#

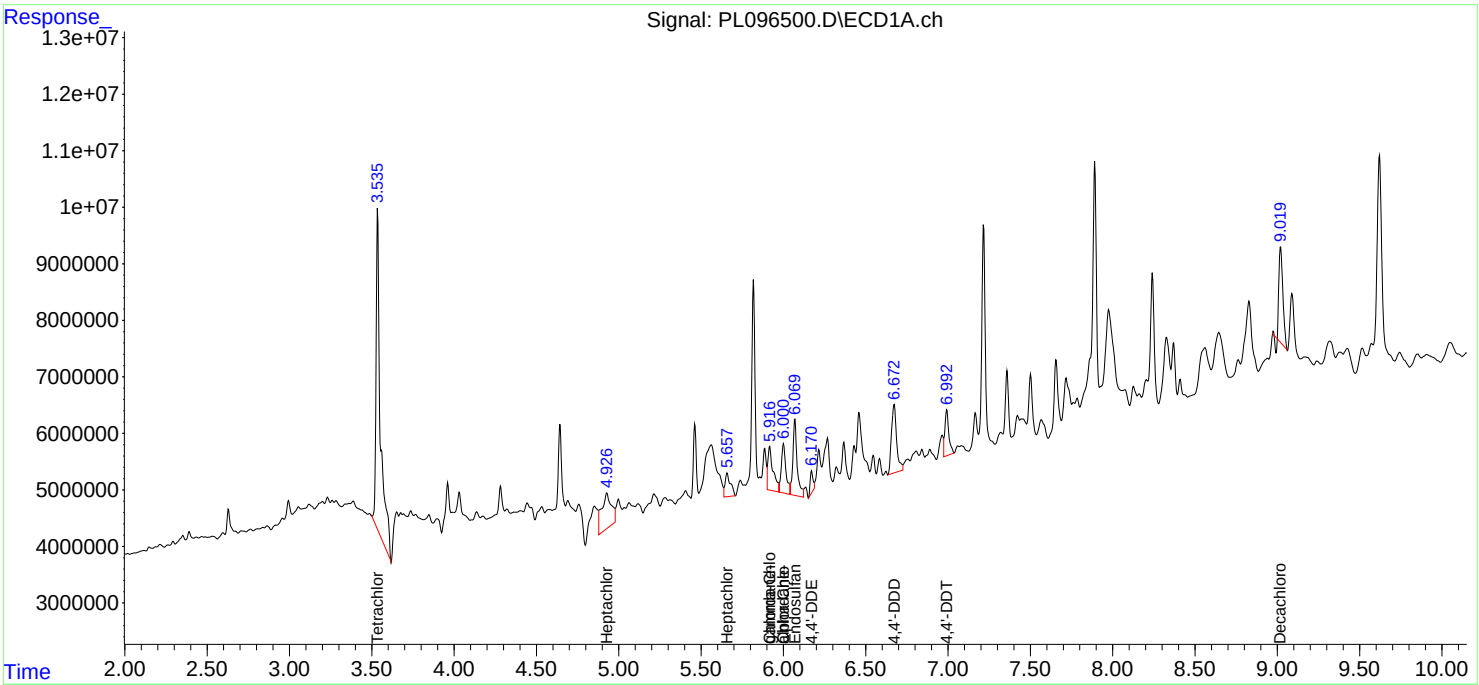
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

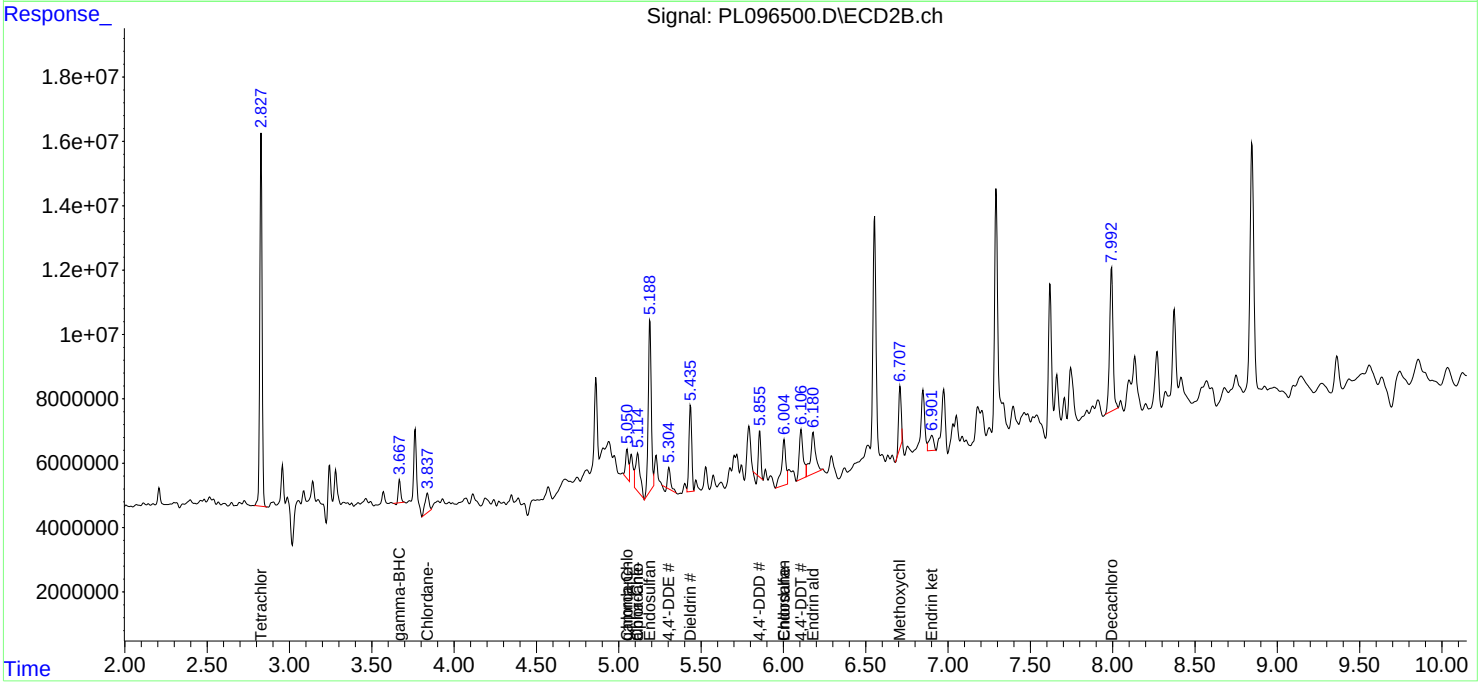
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096500.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 18:15
Operator : AR\AJ
Sample : Q2638-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

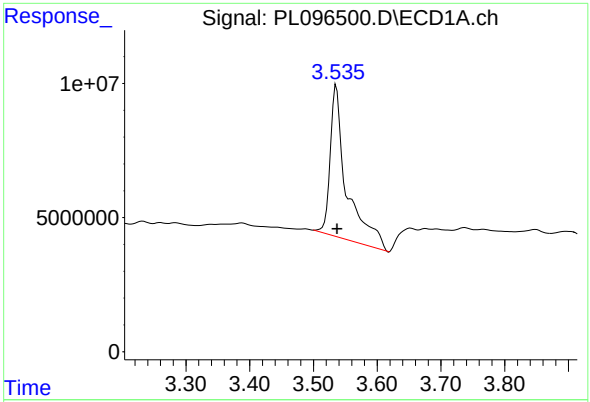
Instrument :
ECD_L
ClientSampleId :
OU4-TS-37-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:49:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



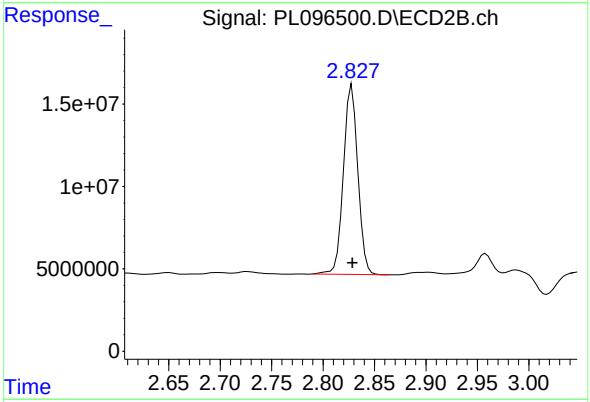




#1 Tetrachloro-m-xylene

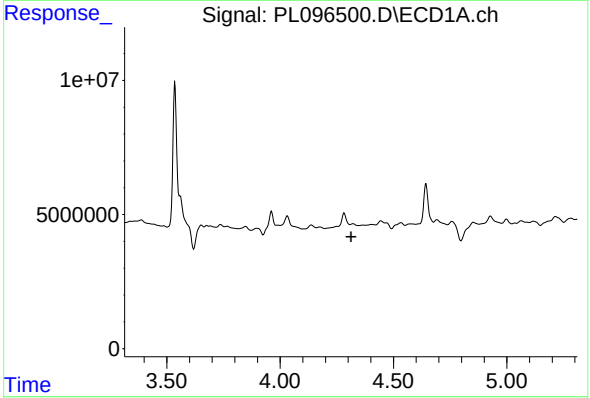
R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 101476055
Conc: 27.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-37-071725



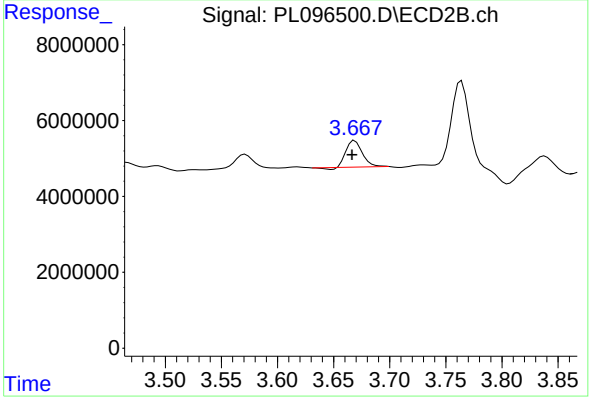
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 112256999
Conc: 19.45 ng/ml



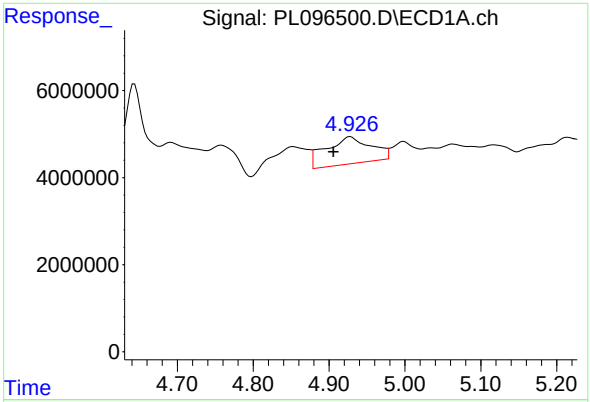
#3 gamma-BHC (Lindane)

R.T.: 0.000 min
Exp R.T. : 4.313 min
Response: 0
Conc: N.D.



#3 gamma-BHC (Lindane)

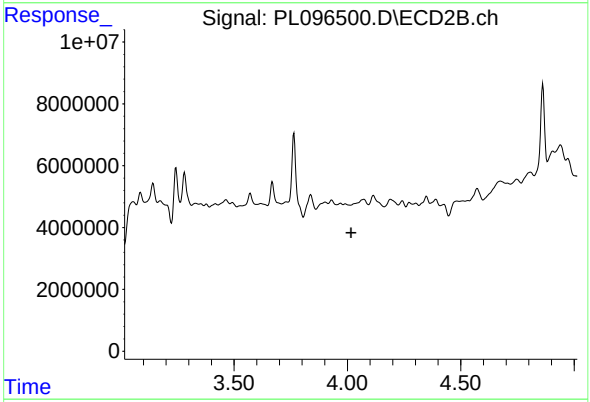
R.T.: 3.669 min
Delta R.T.: 0.002 min
Response: 6945833
Conc: 0.88 ng/ml



#4 Heptachlor

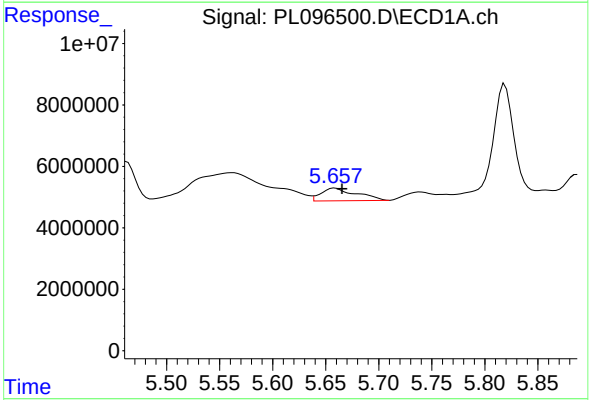
R.T.: 4.928 min
Delta R.T.: 0.022 min
Response: 25760709
Conc: 5.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-37-071725



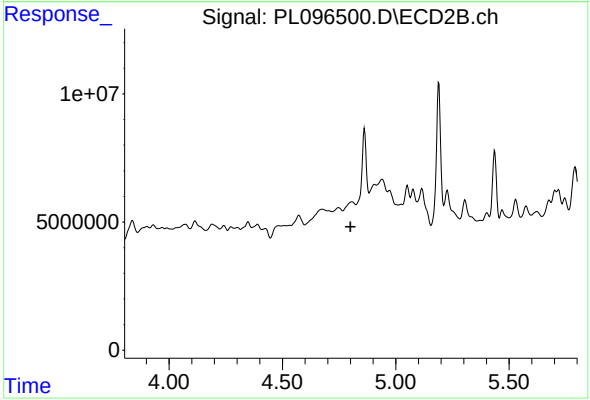
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.016 min
Response: 0
Conc: N.D.



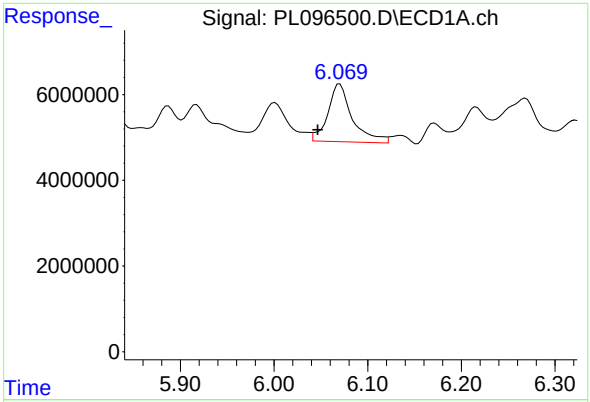
#8 Heptachlor epoxide

R.T.: 5.659 min
Delta R.T.: -0.007 min
Response: 9545563
Conc: 2.30 ng/ml



#8 Heptachlor epoxide

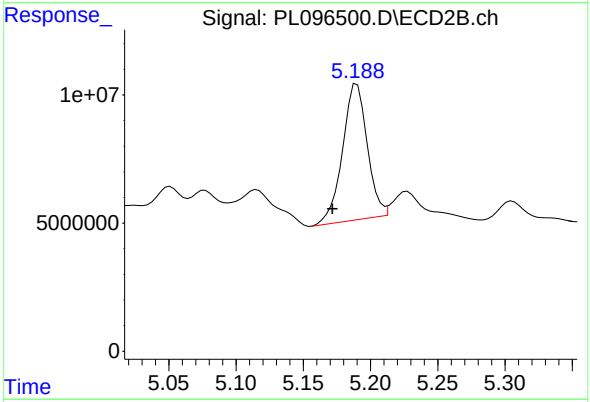
R.T.: 0.000 min
Exp R.T. : 4.800 min
Response: 0
Conc: N.D.



#9 Endosulfan I

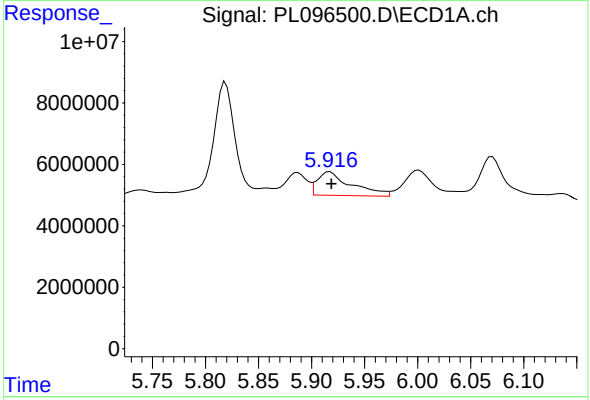
R.T.: 6.070 min
Delta R.T.: 0.024 min
Response: 24446949
Conc: 6.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-37-071725



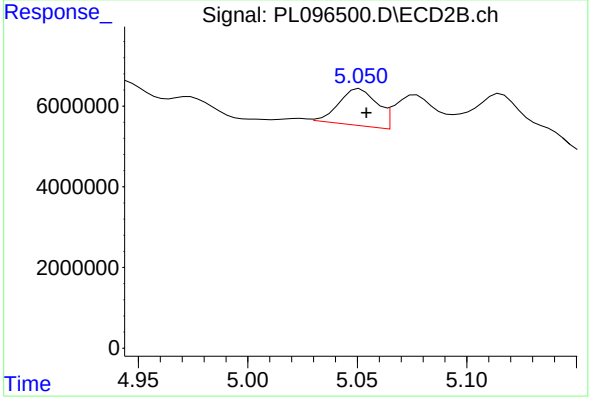
#9 Endosulfan I

R.T.: 5.190 min
Delta R.T.: 0.018 min
Response: 67635191
Conc: 9.43 ng/ml



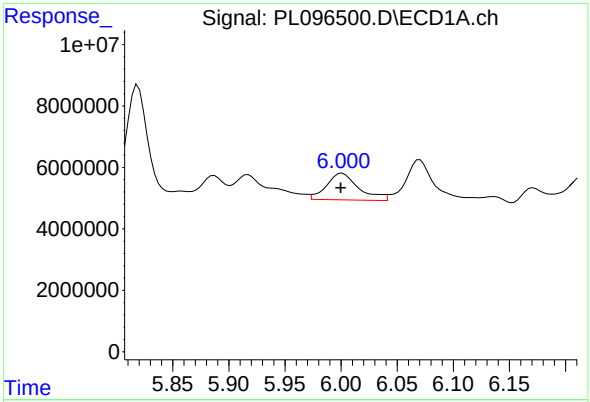
#10 gamma-Chlordane

R.T.: 5.917 min
Delta R.T.: -0.002 min
Response: 17196452
Conc: 3.89 ng/ml



#10 gamma-Chlordane

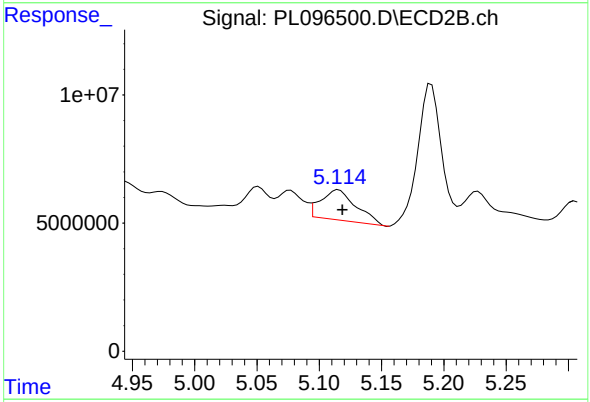
R.T.: 5.051 min
Delta R.T.: -0.003 min
Response: 11105684
Conc: 1.58 ng/ml



#11 alpha-Chlordane

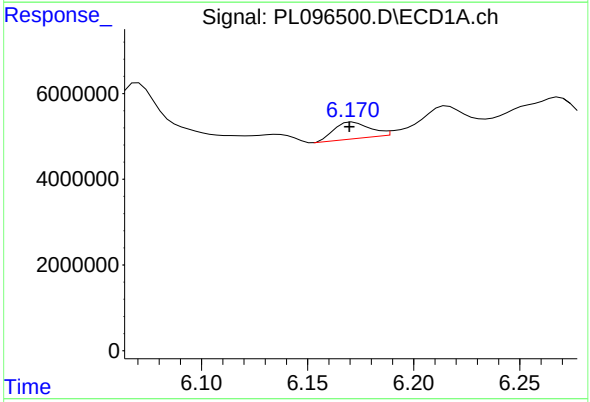
R.T.: 6.001 min
Delta R.T.: 0.002 min
Response: 17321903
Conc: 3.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-37-071725



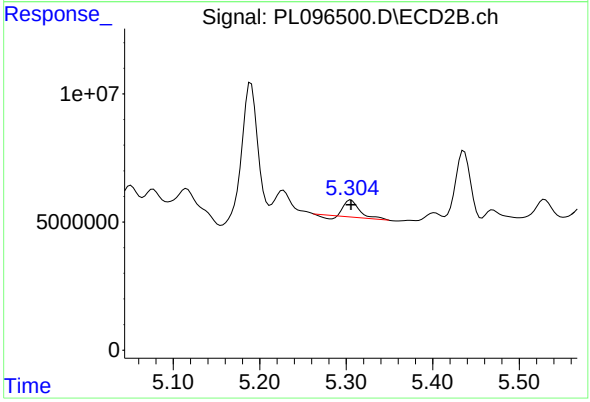
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.003 min
Response: 23275976
Conc: 3.10 ng/ml



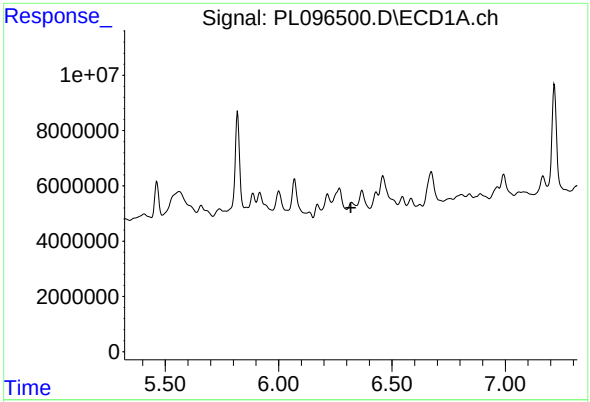
#12 4,4'-DDE

R.T.: 6.171 min
Delta R.T.: 0.002 min
Response: 4504494
Conc: 1.21 ng/ml



#12 4,4'-DDE

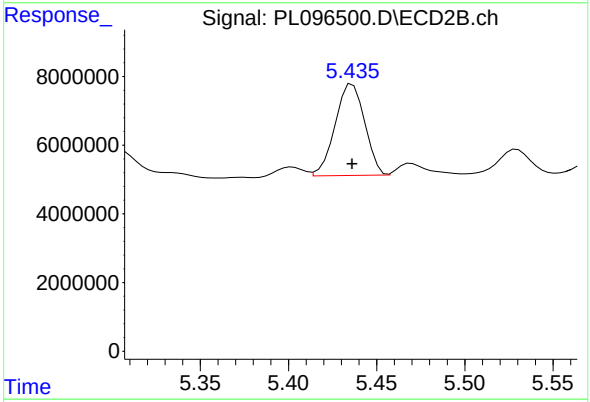
R.T.: 5.305 min
Delta R.T.: 0.000 min
Response: 7334893
Conc: 1.13 ng/ml



#13 Dieldrin

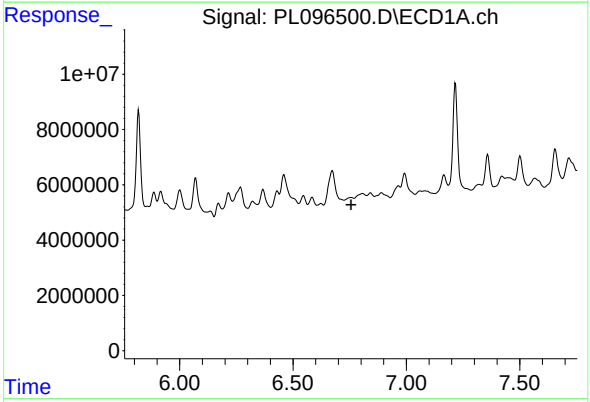
R.T.: 0.000 min
Exp R.T. : 6.319 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-37-071725



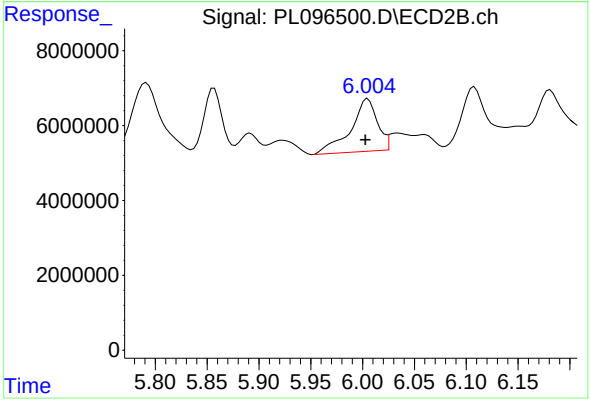
#13 Dieldrin

R.T.: 5.436 min
Delta R.T.: 0.000 min
Response: 31113770
Conc: 4.56 ng/ml



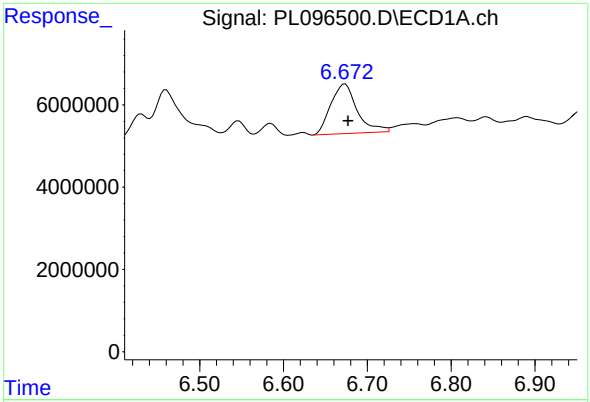
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.757 min
Response: 0
Conc: N.D.



#15 Endosulfan II

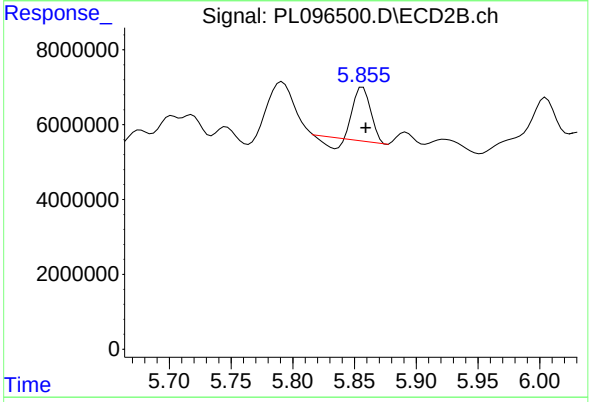
R.T.: 6.005 min
Delta R.T.: 0.002 min
Response: 25241306
Conc: 4.30 ng/ml



#16 4,4'-DDD

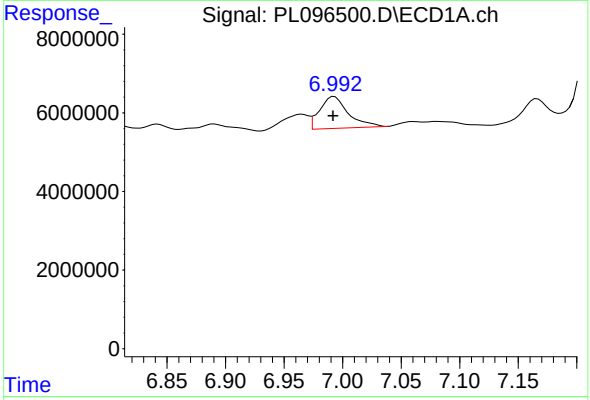
R.T.: 6.674 min
Delta R.T.: -0.004 min
Response: 26303410
Conc: 9.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-37-071725



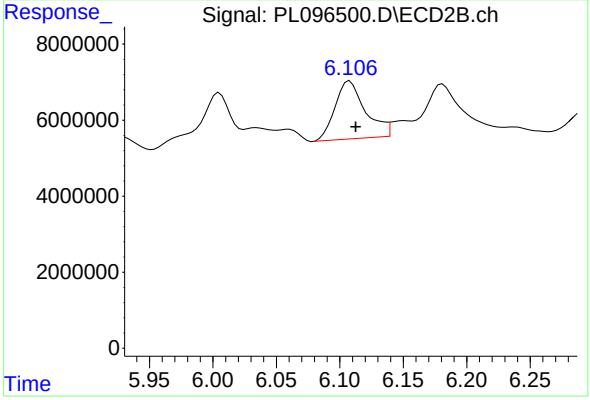
#16 4,4'-DDD

R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 12365474
Conc: 2.41 ng/ml



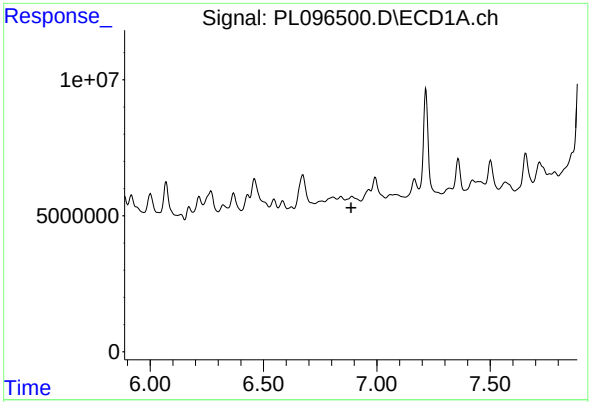
#17 4,4'-DDT

R.T.: 6.993 min
Delta R.T.: 0.001 min
Response: 13810225
Conc: 4.55 ng/ml



#17 4,4'-DDT

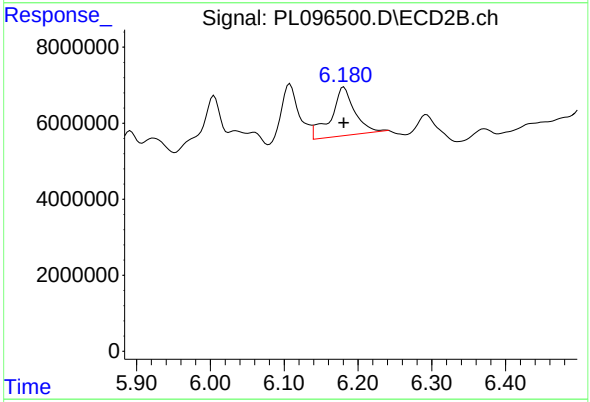
R.T.: 6.108 min
Delta R.T.: -0.005 min
Response: 25325869
Conc: 4.42 ng/ml



#18 Endrin aldehyde

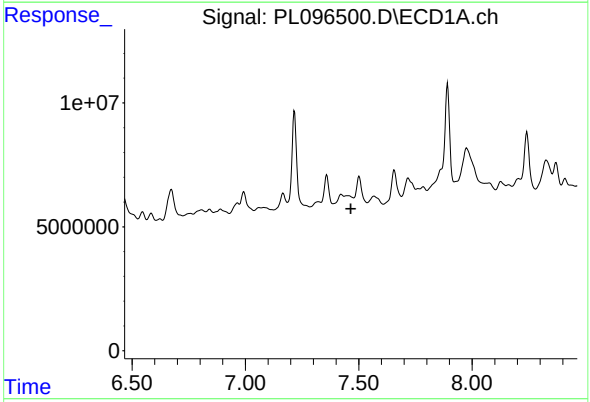
R.T.: 0.000 min
Exp R.T. : 6.886 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-37-071725



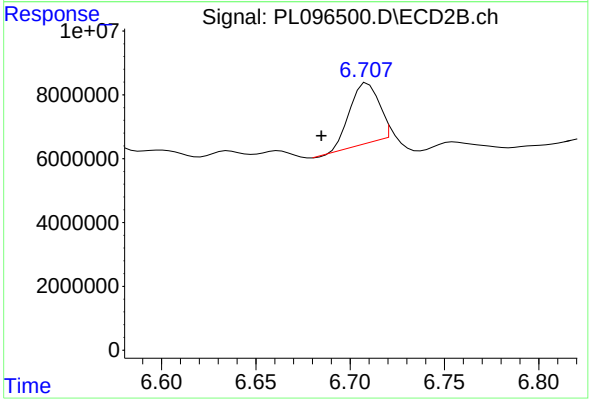
#18 Endrin aldehyde

R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 28299986
Conc: 6.35 ng/ml



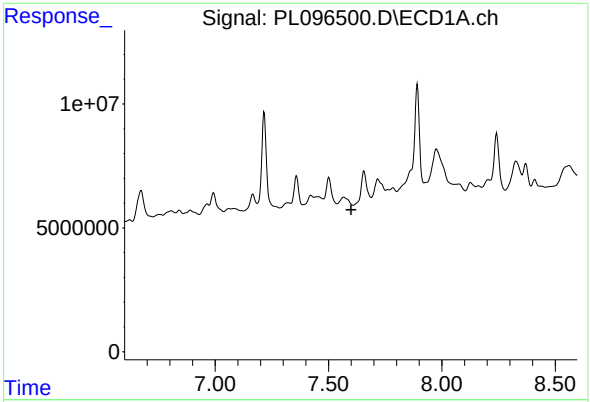
#20 Methoxychlor

R.T.: 0.000 min
Exp R.T. : 7.465 min
Response: 0
Conc: N.D.



#20 Methoxychlor

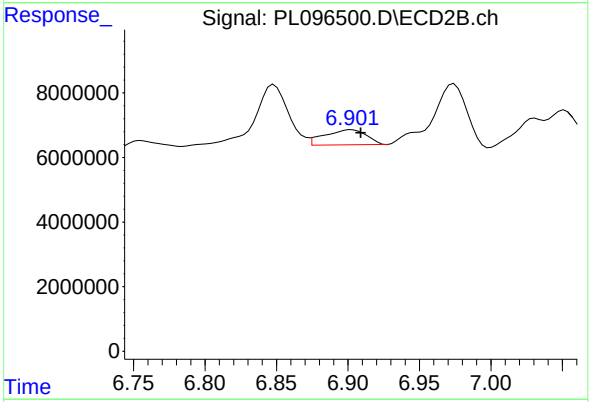
R.T.: 6.709 min
Delta R.T.: 0.025 min
Response: 20518394
Conc: 6.75 ng/ml



#21 Endrin ketone

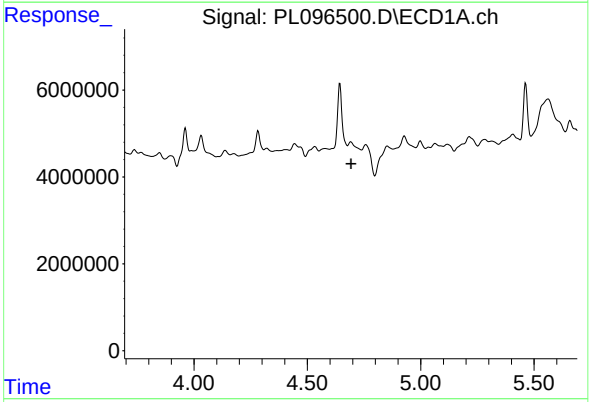
R.T.: 0.000 min
Exp R.T. : 7.599 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-37-071725



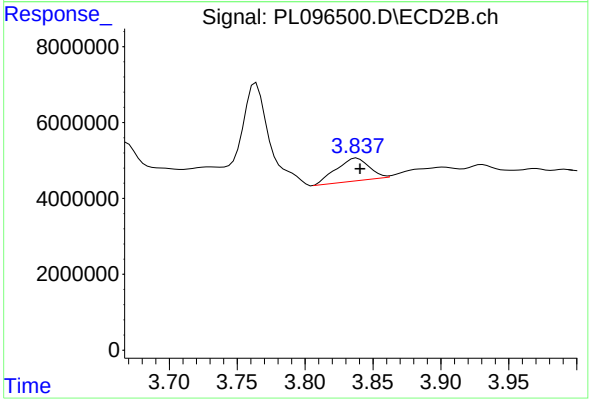
#21 Endrin ketone

R.T.: 6.903 min
Delta R.T.: -0.006 min
Response: 9549211
Conc: 1.53 ng/ml



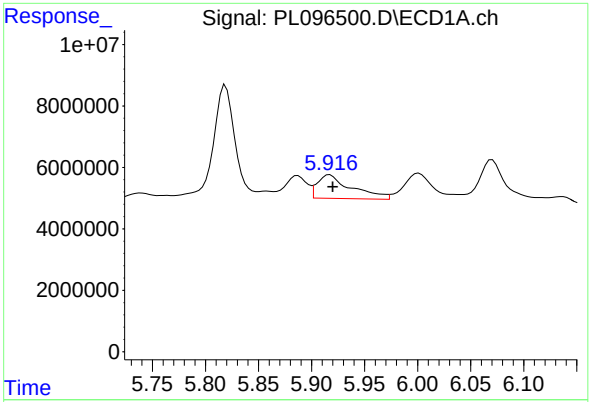
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.693 min
Response: 0
Conc: N.D.



#23 Chlordane-1

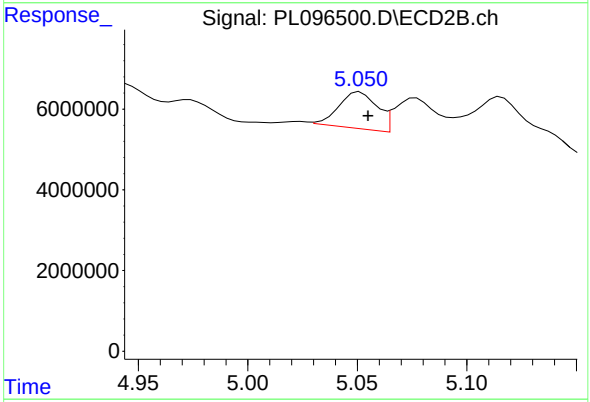
R.T.: 3.838 min
Delta R.T.: -0.002 min
Response: 10141094
Conc: 42.91 ng/ml



#25 Chlordane-3

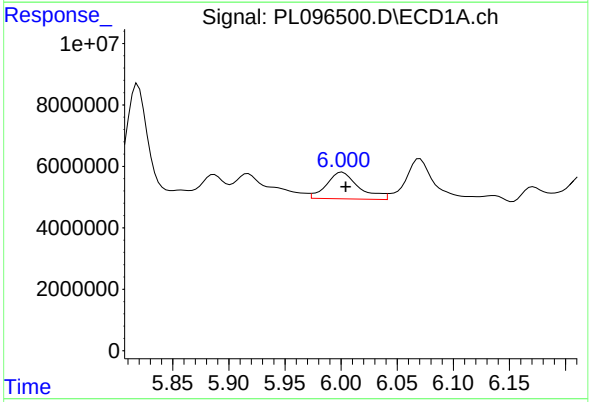
R.T.: 5.917 min
Delta R.T.: -0.003 min
Response: 17196452
Conc: 23.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-37-071725



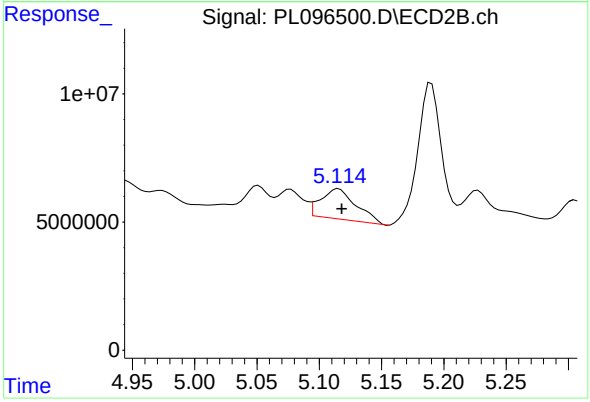
#25 Chlordane-3

R.T.: 5.051 min
Delta R.T.: -0.004 min
Response: 11105684
Conc: 13.80 ng/ml



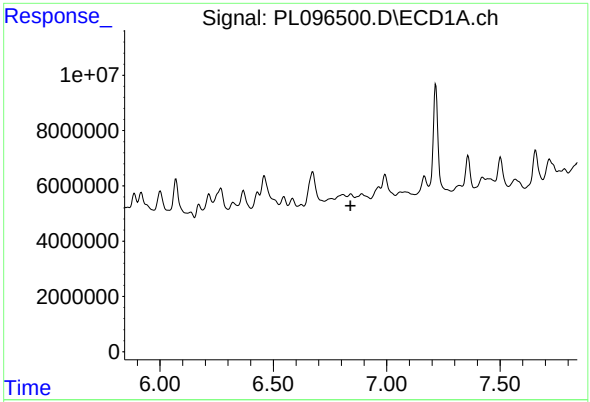
#26 Chlordane-4

R.T.: 6.001 min
Delta R.T.: -0.003 min
Response: 17321903
Conc: 19.31 ng/ml



#26 Chlordane-4

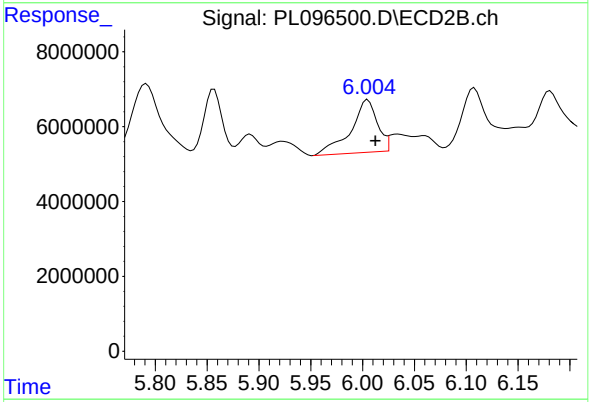
R.T.: 5.115 min
Delta R.T.: -0.003 min
Response: 23275976
Conc: 30.98 ng/ml



#27 Chlordane-5

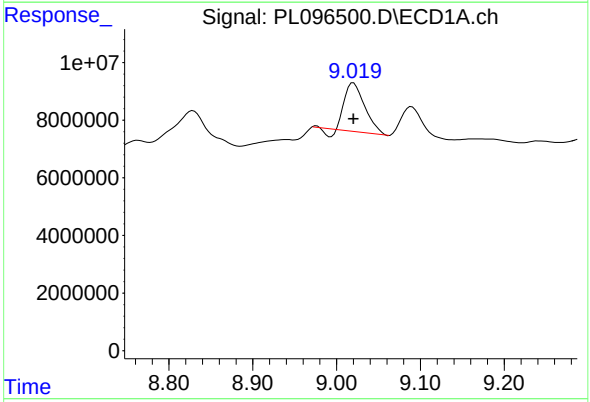
R.T.: 0.000 min
Exp R.T. : 6.841 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-37-071725



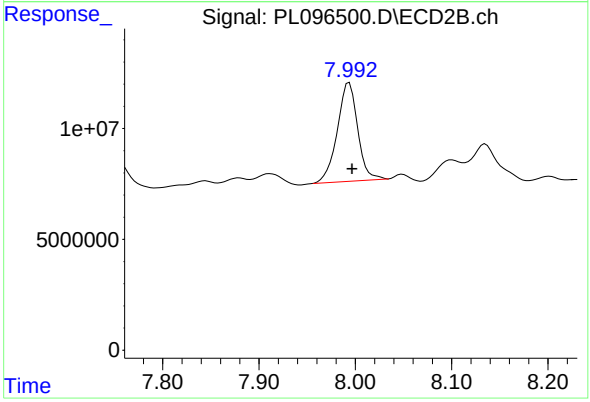
#27 Chlordane-5

R.T.: 6.005 min
Delta R.T.: -0.007 min
Response: 25241306
Conc: 89.05 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 27224139
Conc: 9.68 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 65449428
Conc: 13.13 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096502.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 18:56
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: Jul 22 01:50:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.829	194.8E6	315.2E6	53.390	54.617	
28)	SA Decachlor...	9.019	7.994	128.1E6	210.4E6	45.523	42.197	
	Target Compounds							
2)	A alpha-BHC	3.984	3.334	279.8E6	473.0E6	54.403	56.076	
3)	MA gamma-BHC...	4.313	3.666	263.1E6	427.6E6	52.833	54.295	
4)	MA Heptachlor	4.905	4.015	218.9E6	371.7E6	47.791	48.864	
5)	MB Aldrin	5.245	4.298	247.8E6	398.4E6	51.273	54.614	
6)	B beta-BHC	4.499	3.962	111.7E6	182.0E6	53.757	53.167	
7)	B delta-BHC	4.745	4.196	247.7E6	420.3E6	55.274	54.573	
8)	B Heptachlo...	5.665	4.801	252.2E6	352.0E6	60.786	52.659	
9)	A Endosulfan I	6.047	5.172	207.6E6	319.8E6	51.433	44.571	
10)	B gamma-Chl...	5.919	5.053	290.7E6	371.2E6	65.695	52.882	
11)	B alpha-Chl...	5.999	5.117	228.6E6	360.6E6	52.206	47.945	
12)	B 4,4'-DDE	6.169	5.306	185.3E6	334.8E6	49.987	51.794	
13)	MA Dieldrin	6.319	5.436	208.2E6	350.6E6	49.245	51.407	
14)	MA Endrin	6.545	5.711	160.8E6	316.6E6	51.703	51.926	
15)	B Endosulfa...	6.758	6.003	179.5E6	287.6E6	51.741	49.040	
16)	A 4,4'-DDD	6.677	5.858	177.2E6	287.8E6	60.842	56.125	
17)	MA 4,4'-DDT	6.992	6.111	120.7E6	211.1E6	39.779	36.801	
18)	B Endrin al...	6.886	6.181	117.2E6	200.6E6	52.417	45.032	
19)	B Endosulfa...	7.120	6.404	145.9E6	275.2E6	47.711	48.923	
20)	A Methoxychlor	7.464	6.683	61604628	112.3E6	39.104	36.967	
21)	B Endrin ke...	7.600	6.909	151.7E6	288.8E6	45.957	46.190	
22)	Mirex	8.079	7.099	127.0E6	220.2E6	45.642	44.328	
24)	Chlordane-2	5.245f	4.438f	247.8E6	-3904724	1265.904	N.D.	#
25)	Chlordane-3	5.919	5.053	290.7E6	371.2E6	394.554	461.404	
26)	Chlordane-4	5.999	5.117	228.6E6	360.6E6	254.788	479.835	#
27)	Chlordane-5	0.000	6.003	0	287.6E6	N.D.	1014.509	#

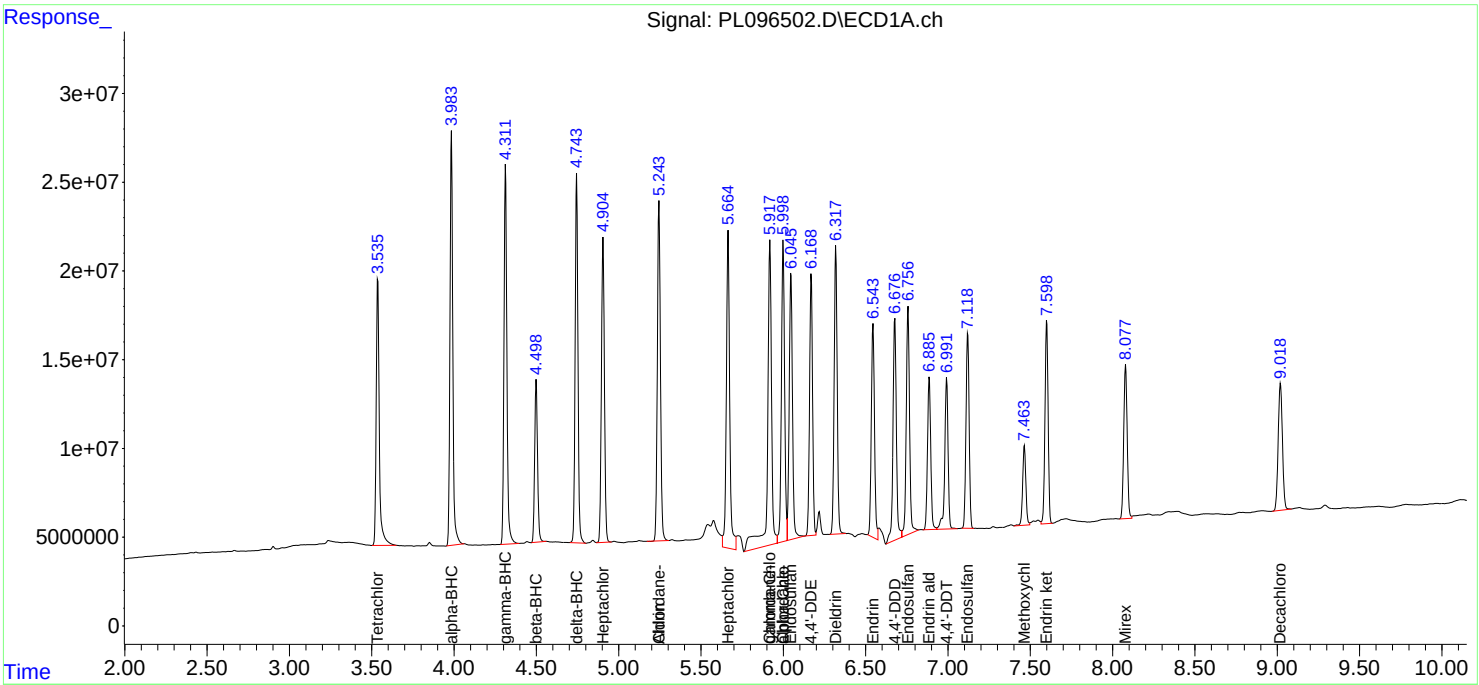
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

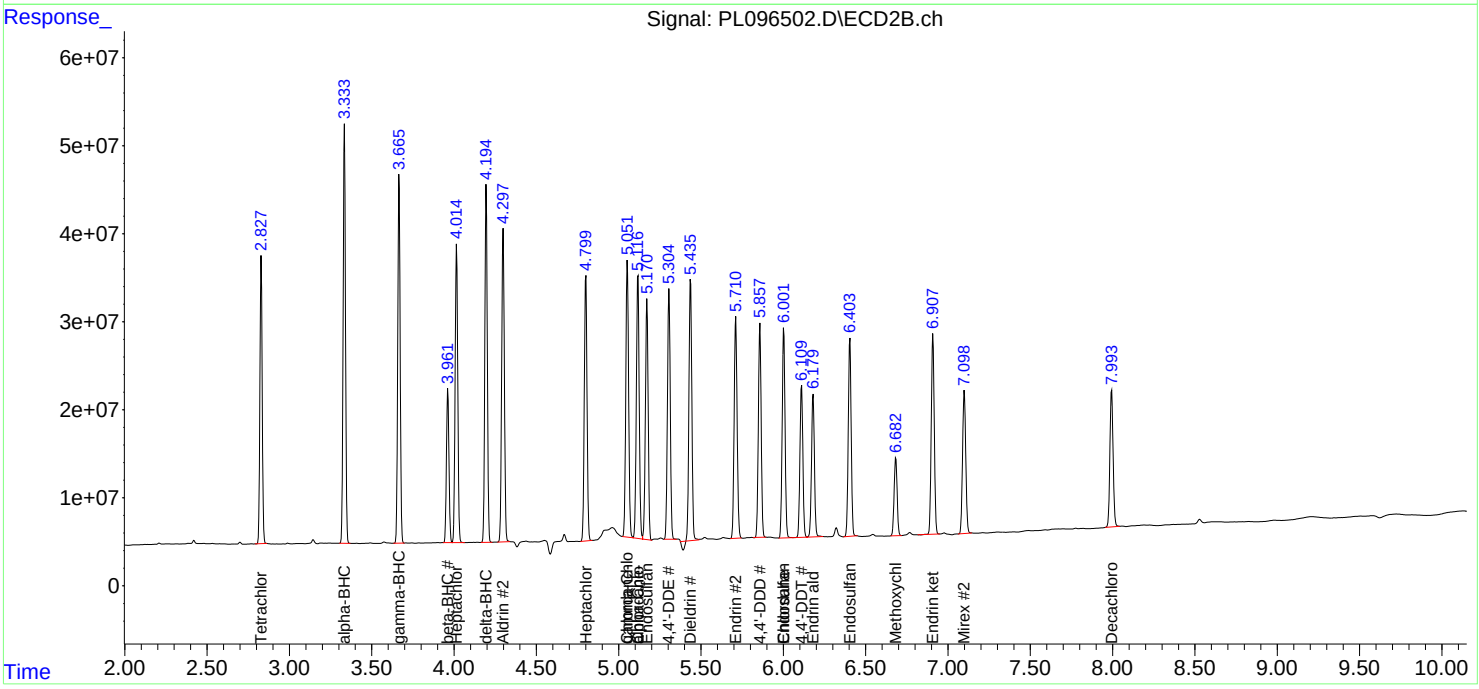
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096502.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 18:56
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

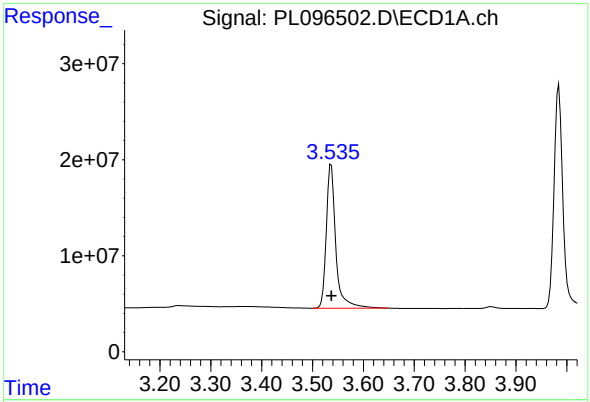
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:50:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



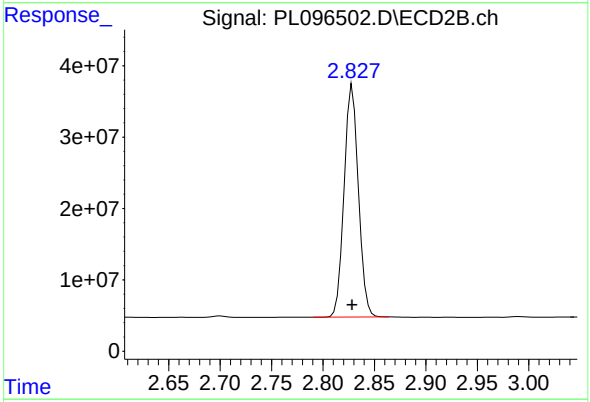




#1 Tetrachloro-m-xylene

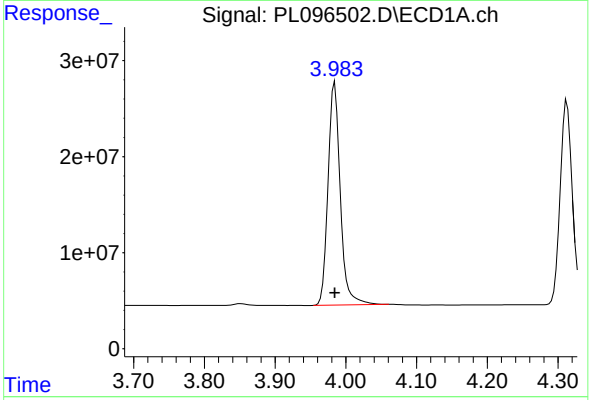
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 194817135
Conc: 53.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



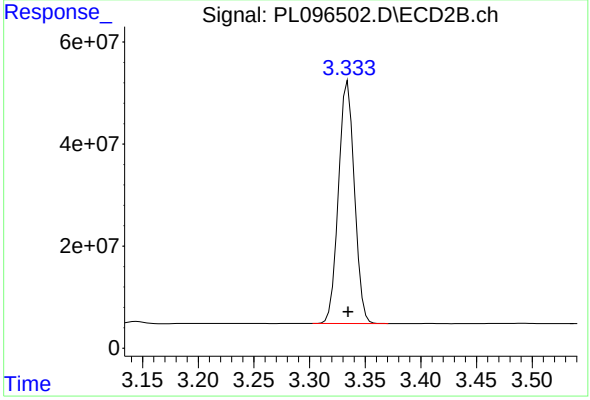
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 315208852
Conc: 54.62 ng/ml



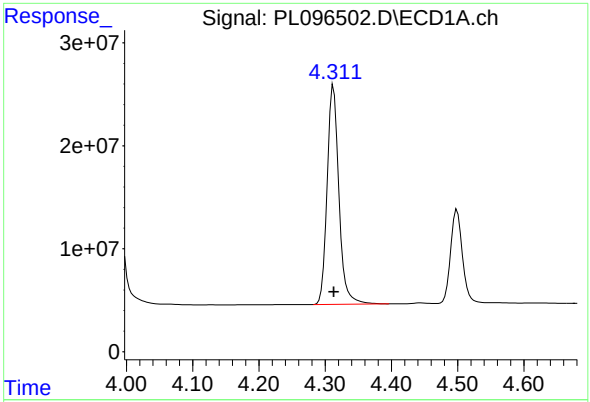
#2 alpha-BHC

R.T.: 3.984 min
Delta R.T.: 0.000 min
Response: 279801564
Conc: 54.40 ng/ml



#2 alpha-BHC

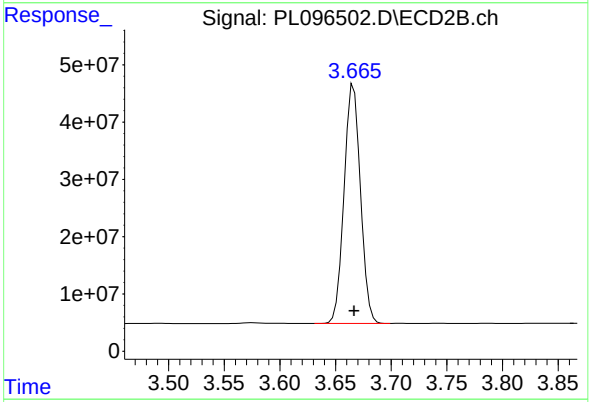
R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 472963730
Conc: 56.08 ng/ml



#3 gamma-BHC (Lindane)

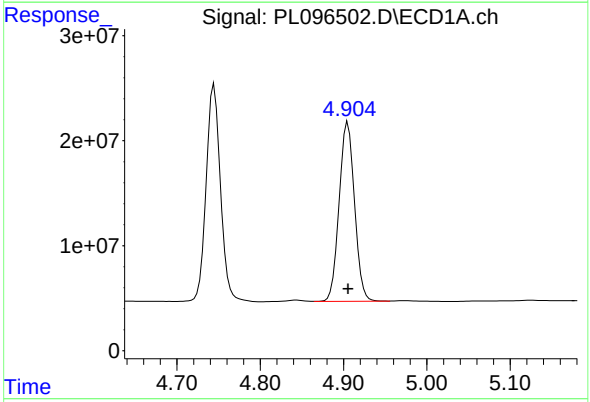
R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 263088739
Conc: 52.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



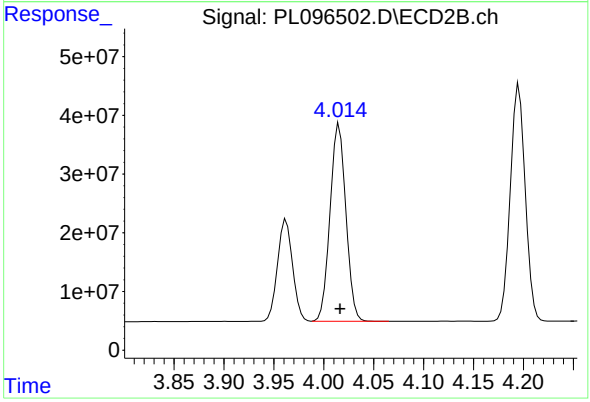
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 427623181
Conc: 54.30 ng/ml



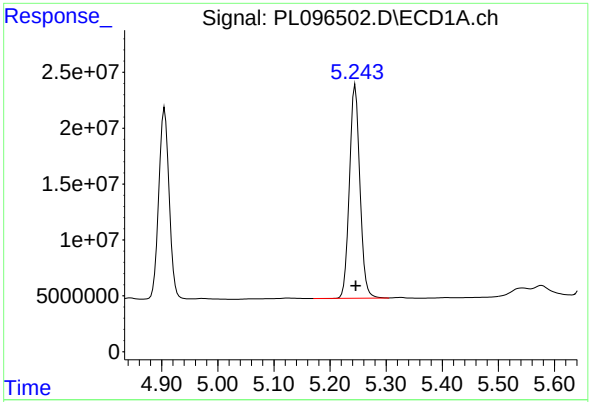
#4 Heptachlor

R.T.: 4.905 min
Delta R.T.: 0.000 min
Response: 218940440
Conc: 47.79 ng/ml



#4 Heptachlor

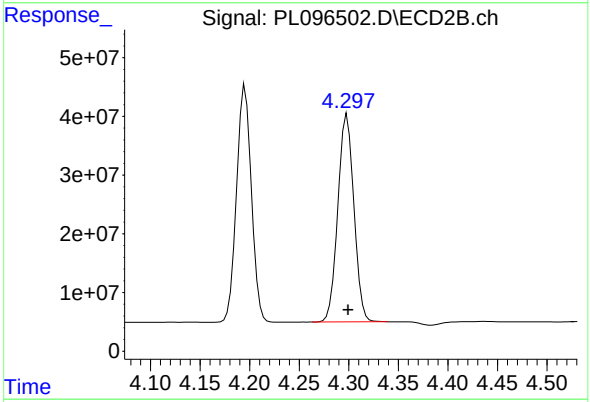
R.T.: 4.015 min
Delta R.T.: 0.000 min
Response: 371743974
Conc: 48.86 ng/ml



#5 Aldrin

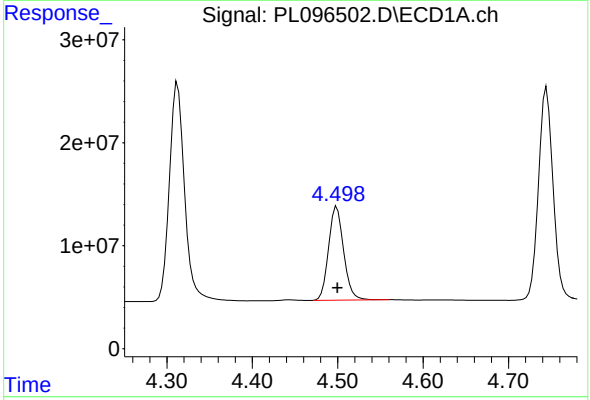
R.T.: 5.245 min
Delta R.T.: 0.000 min
Response: 247838727
Conc: 51.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



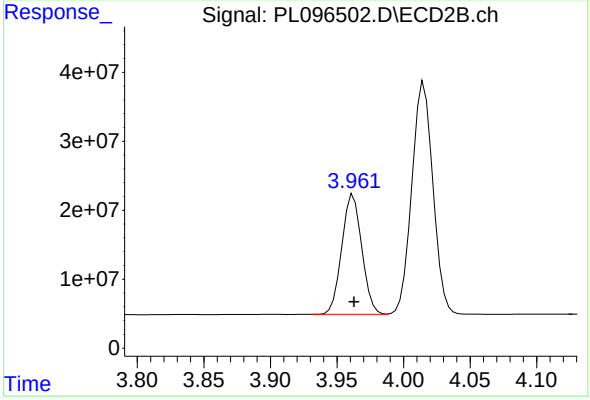
#5 Aldrin

R.T.: 4.298 min
Delta R.T.: 0.000 min
Response: 398445239
Conc: 54.61 ng/ml



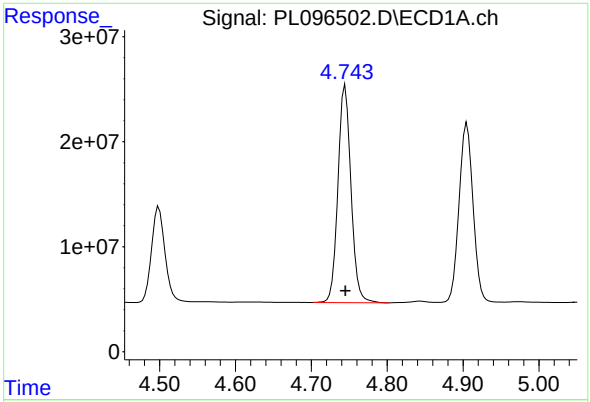
#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 111748879
Conc: 53.76 ng/ml



#6 beta-BHC

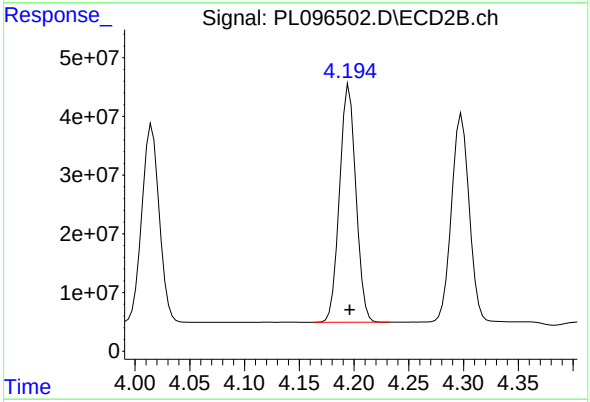
R.T.: 3.962 min
Delta R.T.: 0.000 min
Response: 182038647
Conc: 53.17 ng/ml



#7 delta-BHC

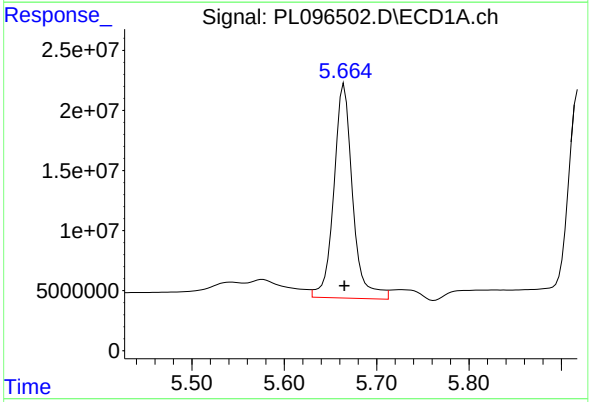
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 247703042
Conc: 55.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



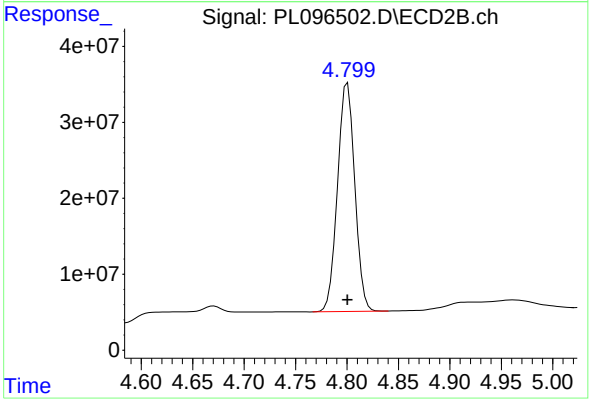
#7 delta-BHC

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 420316673
Conc: 54.57 ng/ml



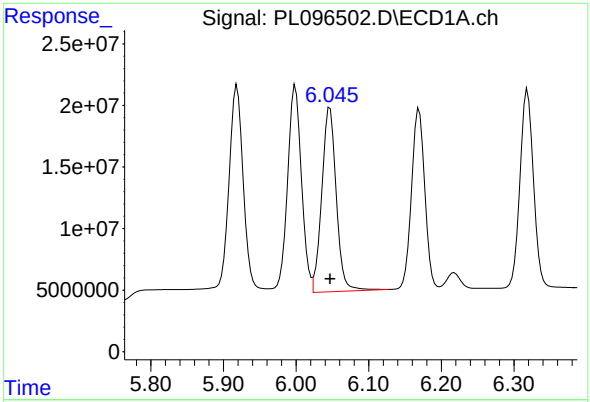
#8 Heptachlor epoxide

R.T.: 5.665 min
Delta R.T.: 0.000 min
Response: 252209051
Conc: 60.79 ng/ml



#8 Heptachlor epoxide

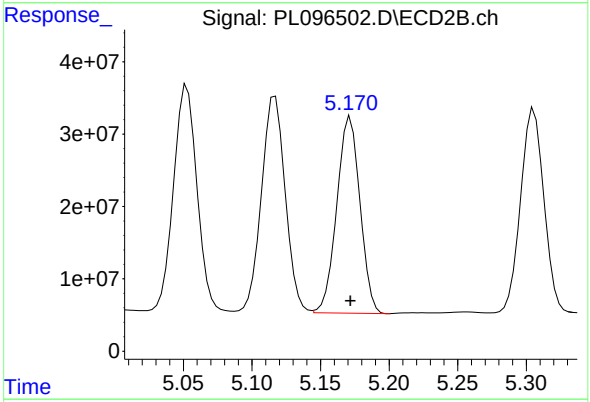
R.T.: 4.801 min
Delta R.T.: 0.000 min
Response: 352023248
Conc: 52.66 ng/ml



#9 Endosulfan I

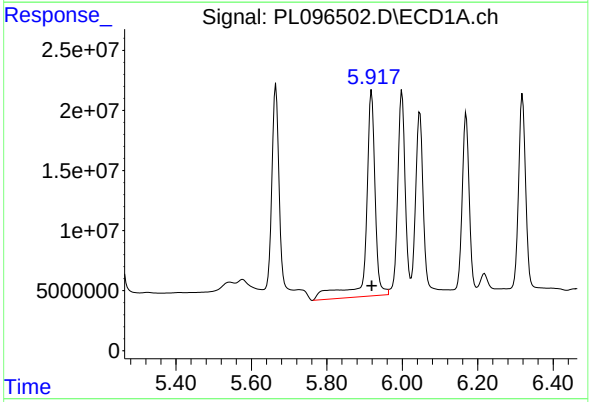
R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 207646443
Conc: 51.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



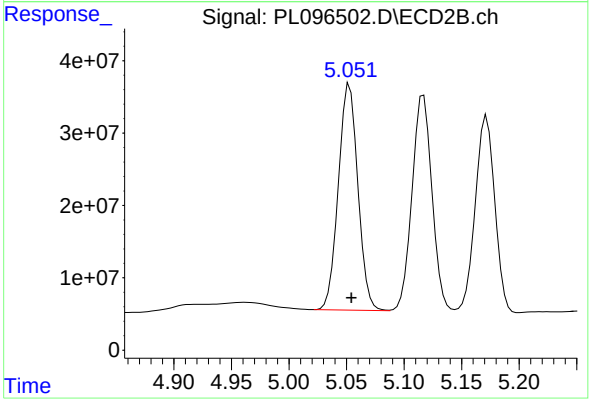
#9 Endosulfan I

R.T.: 5.172 min
Delta R.T.: 0.000 min
Response: 319757988
Conc: 44.57 ng/ml



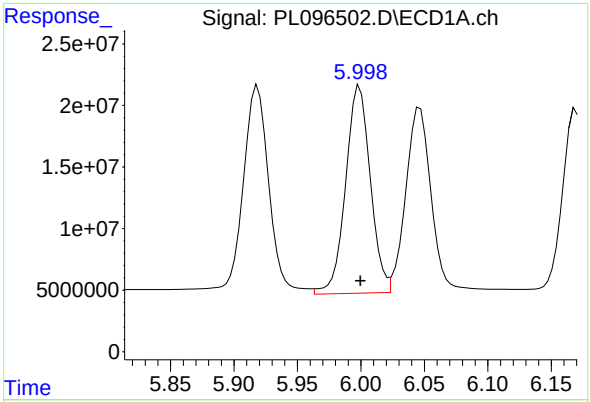
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 290689181
Conc: 65.70 ng/ml



#10 gamma-Chlordane

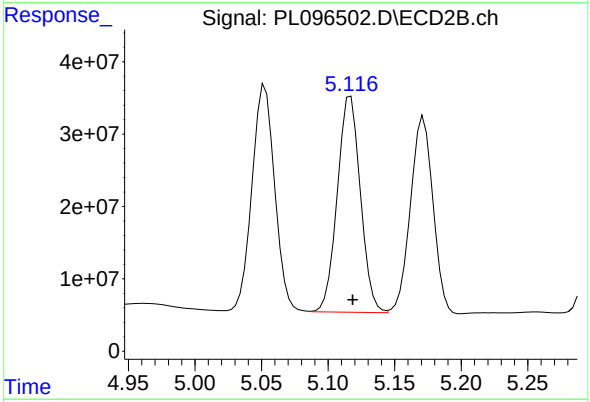
R.T.: 5.053 min
Delta R.T.: -0.001 min
Response: 371217327
Conc: 52.88 ng/ml



#11 alpha-Chlordane

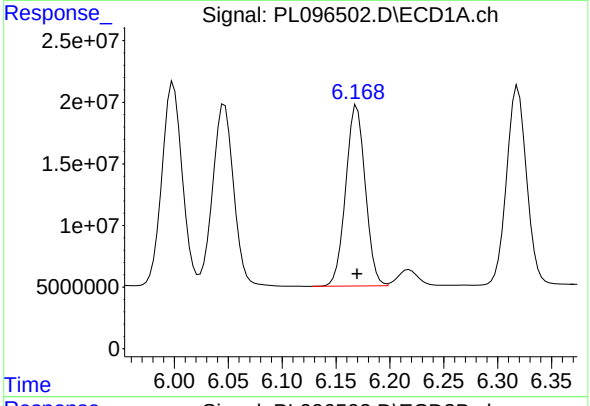
R.T.: 5.999 min
Delta R.T.: 0.000 min
Response: 228602793
Conc: 52.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



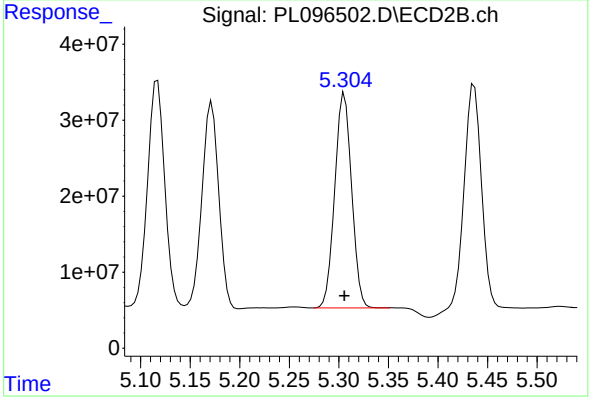
#11 alpha-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.002 min
Response: 360561067
Conc: 47.95 ng/ml



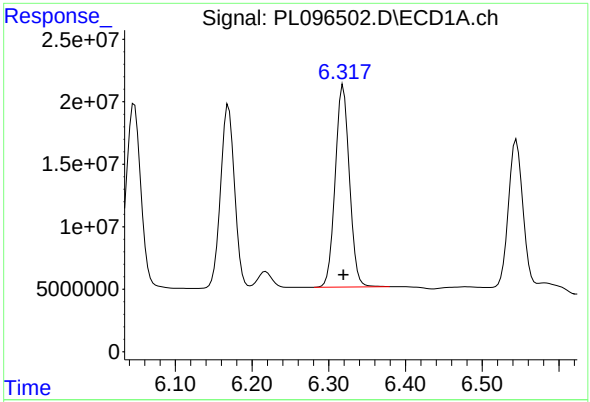
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 185324881
Conc: 49.99 ng/ml



#12 4,4'-DDE

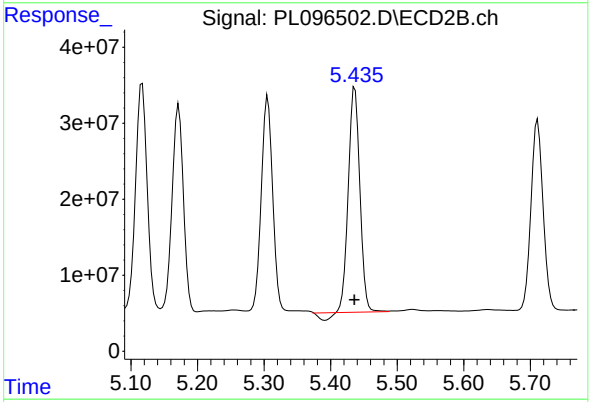
R.T.: 5.306 min
Delta R.T.: 0.000 min
Response: 334778896
Conc: 51.79 ng/ml



#13 Dieldrin

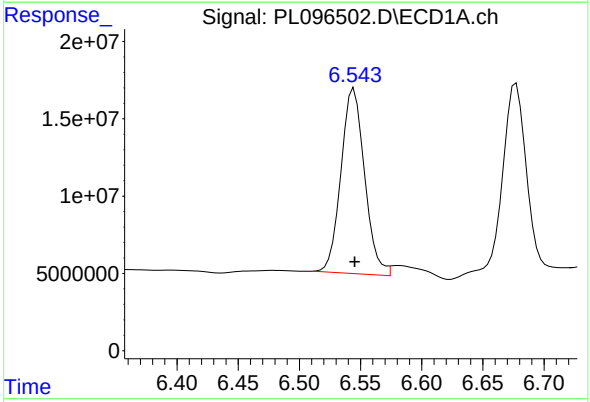
R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 208225911
Conc: 49.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



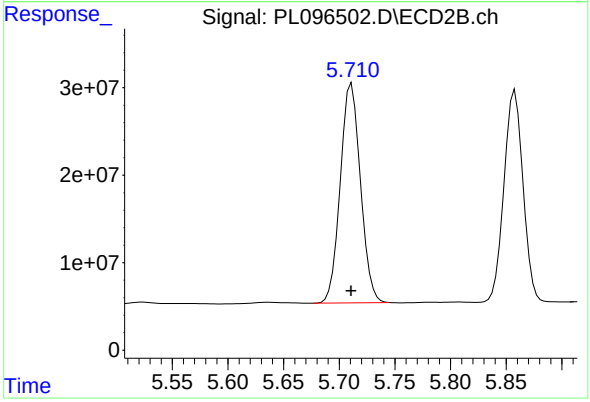
#13 Dieldrin

R.T.: 5.436 min
Delta R.T.: 0.000 min
Response: 350554198
Conc: 51.41 ng/ml



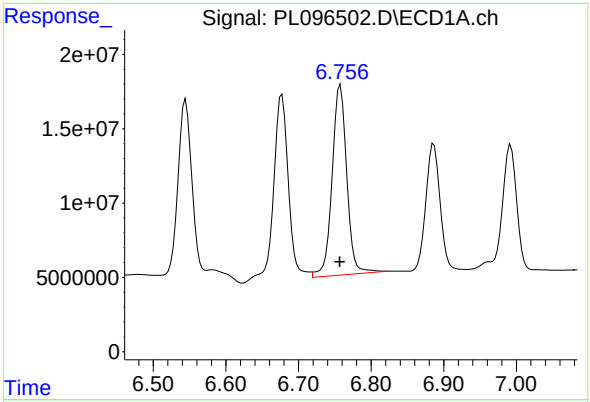
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 160807053
Conc: 51.70 ng/ml



#14 Endrin

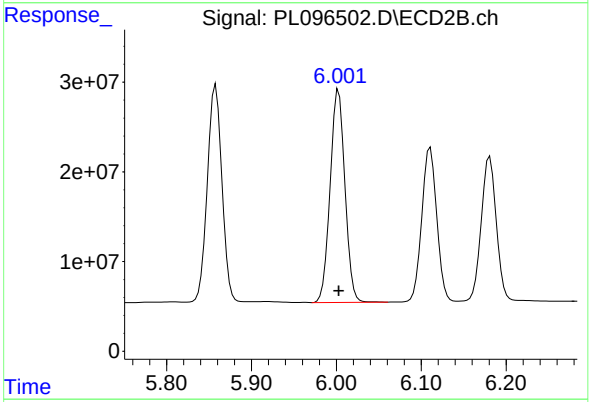
R.T.: 5.711 min
Delta R.T.: 0.000 min
Response: 316565747
Conc: 51.93 ng/ml



#15 Endosulfan II

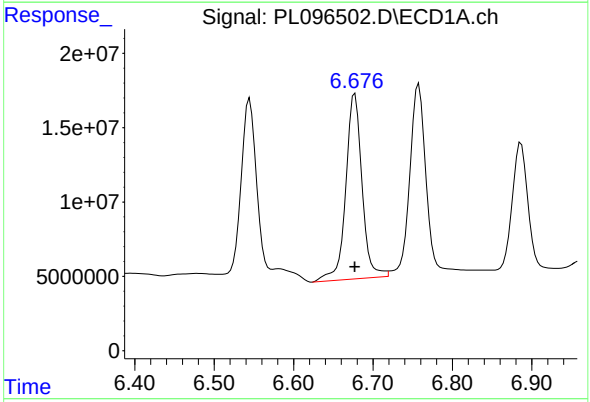
R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 179545239
Conc: 51.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



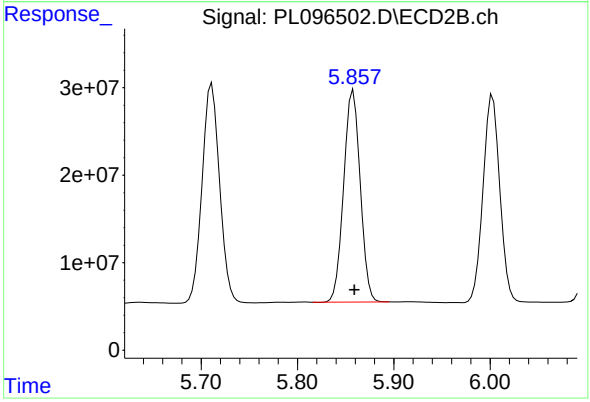
#15 Endosulfan II

R.T.: 6.003 min
Delta R.T.: 0.000 min
Response: 287563092
Conc: 49.04 ng/ml



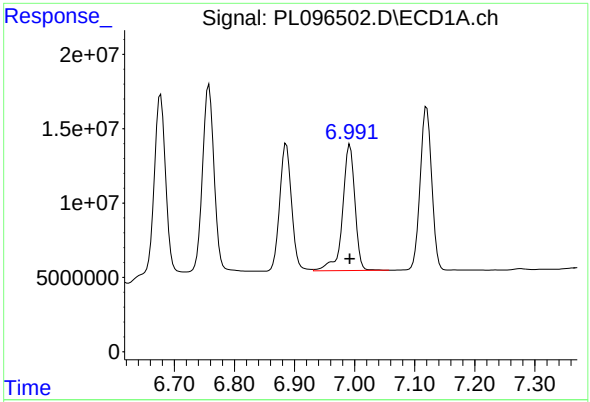
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 177152768
Conc: 60.84 ng/ml



#16 4,4'-DDD

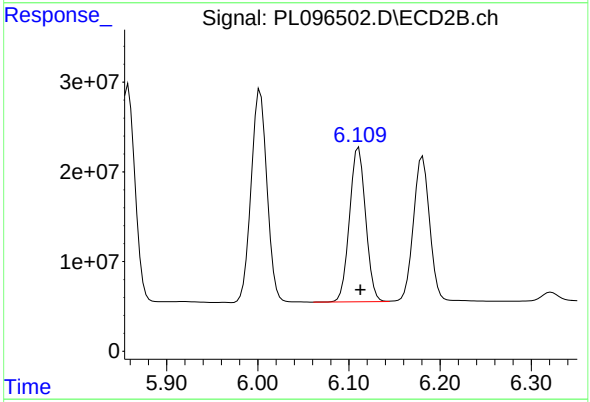
R.T.: 5.858 min
Delta R.T.: -0.001 min
Response: 287847469
Conc: 56.12 ng/ml



#17 4,4'-DDT

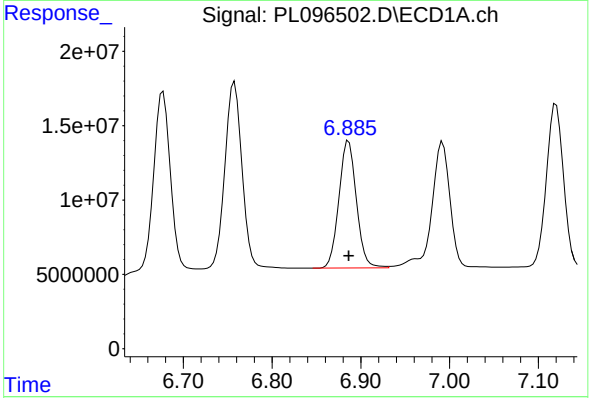
R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 120738242
Conc: 39.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



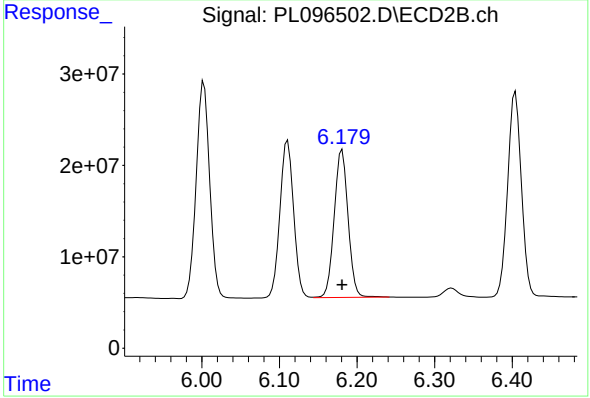
#17 4,4'-DDT

R.T.: 6.111 min
Delta R.T.: -0.002 min
Response: 211061182
Conc: 36.80 ng/ml



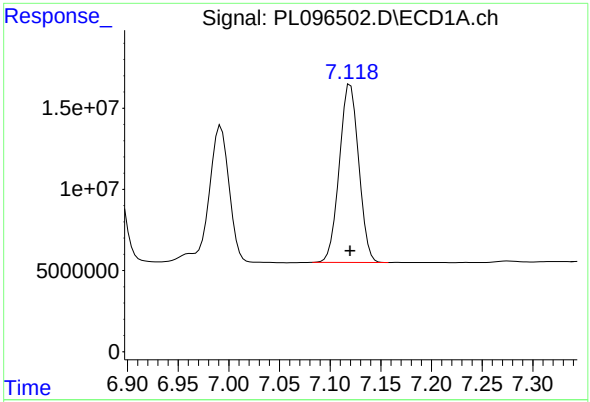
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 117181498
Conc: 52.42 ng/ml



#18 Endrin aldehyde

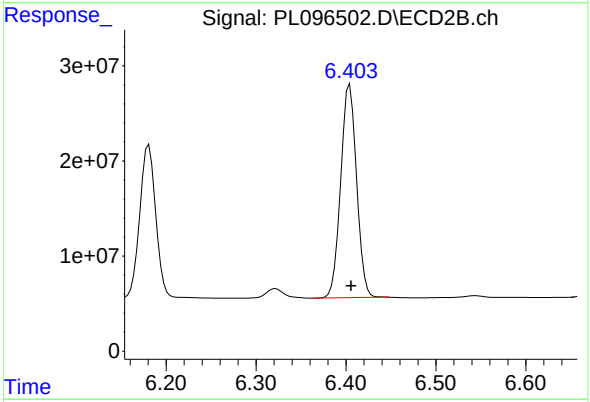
R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 200598466
Conc: 45.03 ng/ml



#19 Endosulfan Sulfate

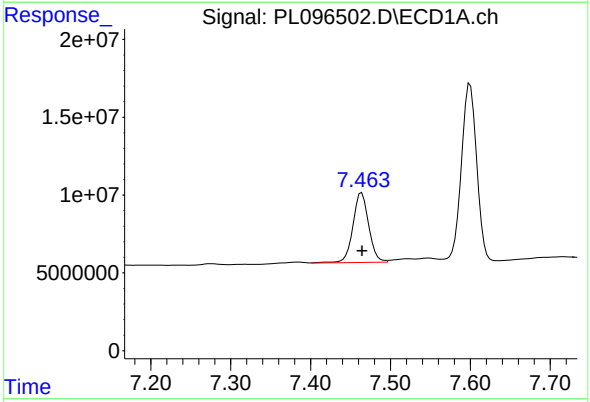
R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 145939360
Conc: 47.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



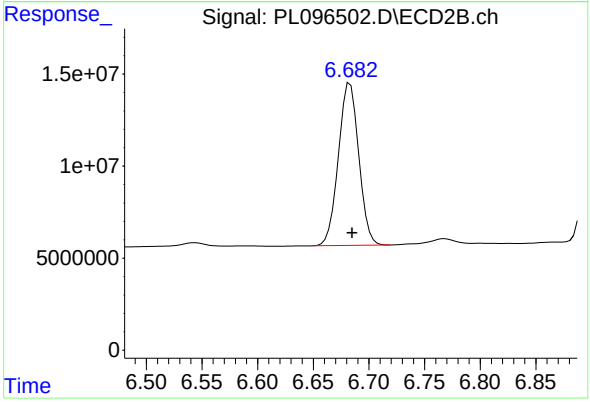
#19 Endosulfan Sulfate

R.T.: 6.404 min
Delta R.T.: -0.001 min
Response: 275161262
Conc: 48.92 ng/ml



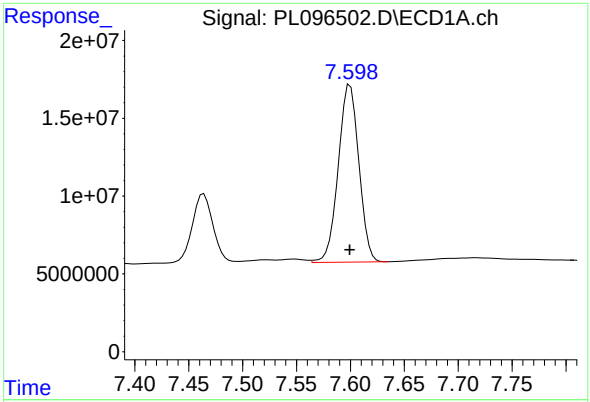
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 61604628
Conc: 39.10 ng/ml



#20 Methoxychlor

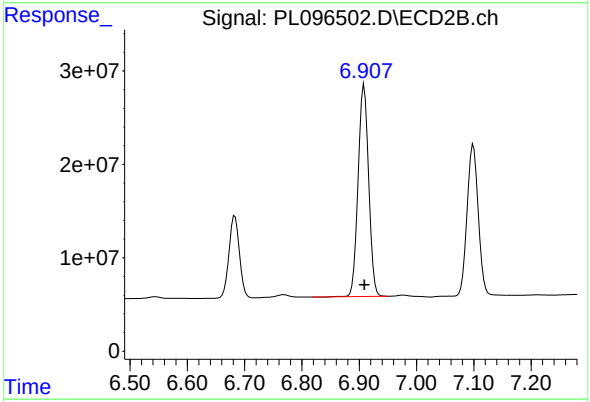
R.T.: 6.683 min
Delta R.T.: -0.002 min
Response: 112297950
Conc: 36.97 ng/ml



#21 Endrin ketone

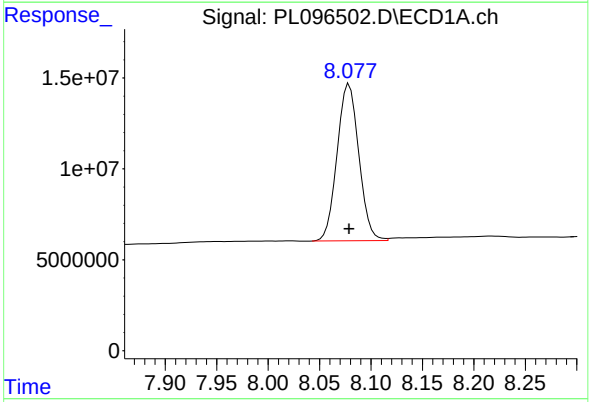
R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 151733063
Conc: 45.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



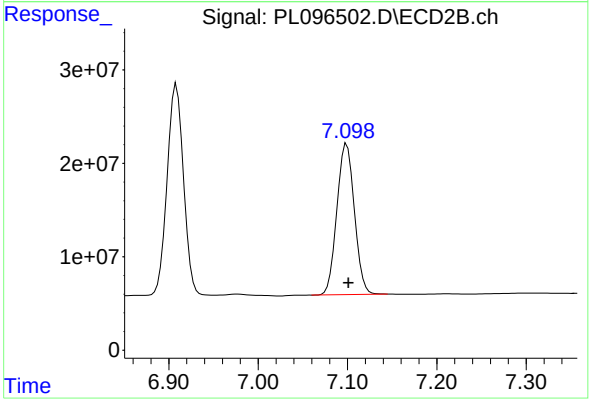
#21 Endrin ketone

R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 288791087
Conc: 46.19 ng/ml



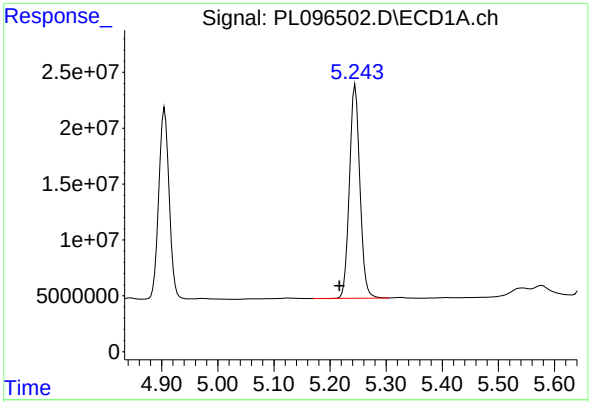
#22 Mirex

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 126985987
Conc: 45.64 ng/ml



#22 Mirex

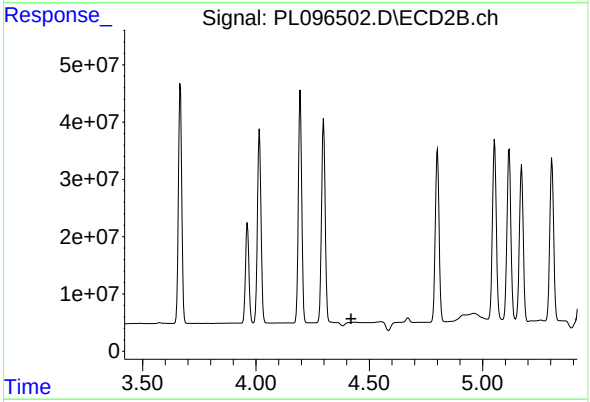
R.T.: 7.099 min
Delta R.T.: -0.002 min
Response: 220230083
Conc: 44.33 ng/ml



#24 Chlordane-2

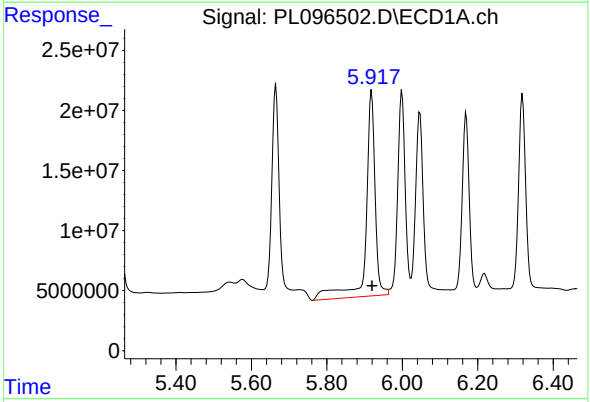
R.T.: 5.245 min
Delta R.T.: 0.028 min
Response: 247838727
Conc: 1265.90 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



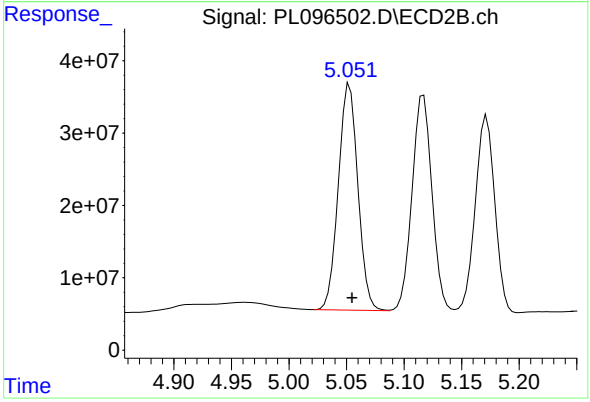
#24 Chlordane-2

R.T.: 4.438 min
Delta R.T.: 0.018 min
Response: -3904724
Conc: N.D.



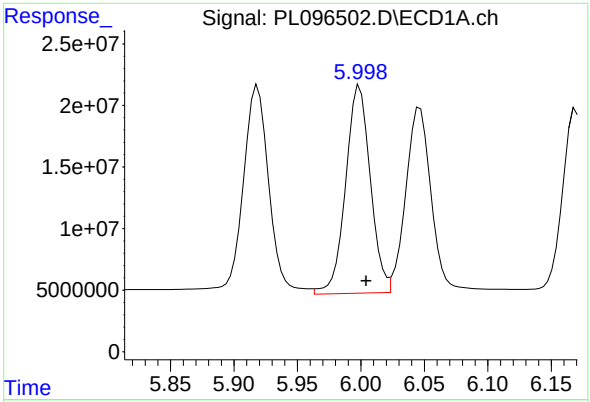
#25 Chlordane-3

R.T.: 5.919 min
Delta R.T.: -0.001 min
Response: 290689181
Conc: 394.55 ng/ml



#25 Chlordane-3

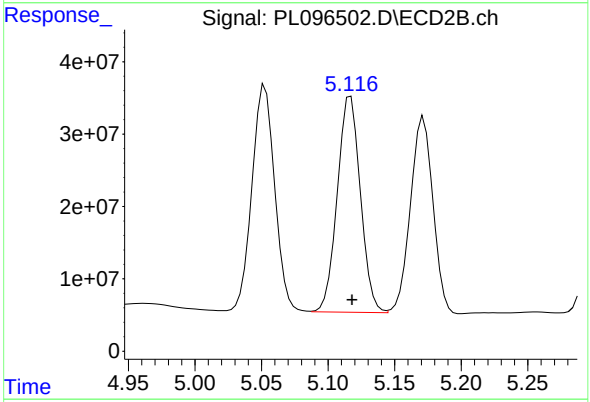
R.T.: 5.053 min
Delta R.T.: -0.002 min
Response: 371217327
Conc: 461.40 ng/ml



#26 Chlordane-4

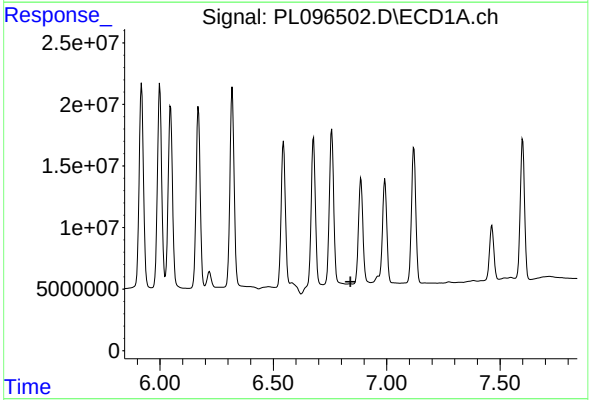
R.T.: 5.999 min
Delta R.T.: -0.005 min
Response: 228602793
Conc: 254.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



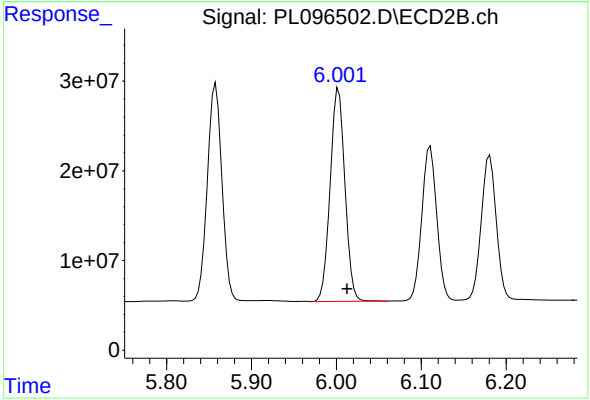
#26 Chlordane-4

R.T.: 5.117 min
Delta R.T.: -0.001 min
Response: 360561067
Conc: 479.84 ng/ml



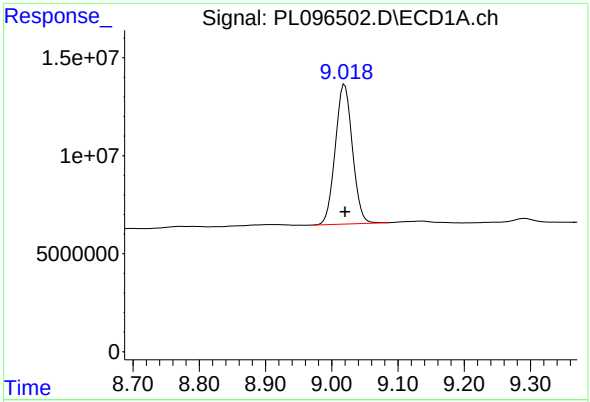
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.841 min
Response: 0
Conc: N.D.



#27 Chlordane-5

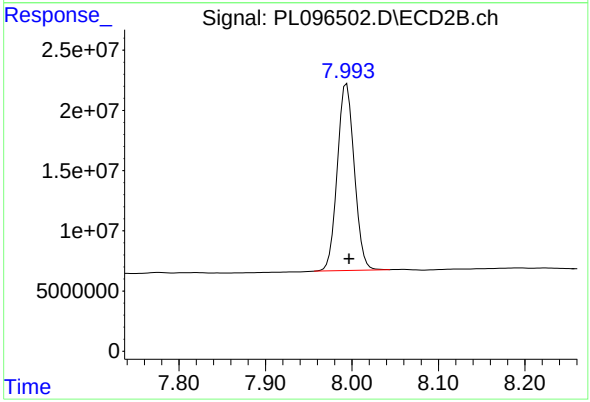
R.T.: 6.003 min
Delta R.T.: -0.010 min
Response: 287563092
Conc: 1014.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.019 min
Delta R.T.: 0.000 min
Response: 128057903
Conc: 45.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 210413890
Conc: 42.20 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096505.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 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: Jul 23 01:46:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.828	74869496	125.0E6	20.518	21.658	
28)	SA Decachlor...	9.016	7.991	56724723	105.4E6	20.165	21.137	
	Target Compounds							
2)	A alpha-BHC	3.982	3.333	51499129	90978736	10.013	10.787	
3)	MA gamma-BHC...	4.311	3.665	51489984	85522802	10.340	10.859	
6)	B beta-BHC	4.498	3.961	21943686	38977484	10.556	11.384	
8)	B Heptachlo...	5.654	0.000	12555376	0	3.026	N.D.	#
14)	MA Endrin	6.543	5.709	175.9E6	346.2E6	56.552	56.786	
15)	B Endosulfa...	6.738f	0.000	88094853	0	25.387	N.D.	#
16)	A 4,4'-DDD	6.678	0.000	9989391	0	3.431	N.D.	#
17)	MA 4,4'-DDT	6.990	6.108	328.6E6	647.8E6	108.276	112.955	
18)	B Endrin al...	6.888	6.181	8661522	27209226	3.874	6.108	#
20)	A Methoxychlor	7.462	6.681	394.9E6	759.3E6	250.636	249.954	
21)	B Endrin ke...	0.000	6.901	0	15057927	N.D.	2.408	#

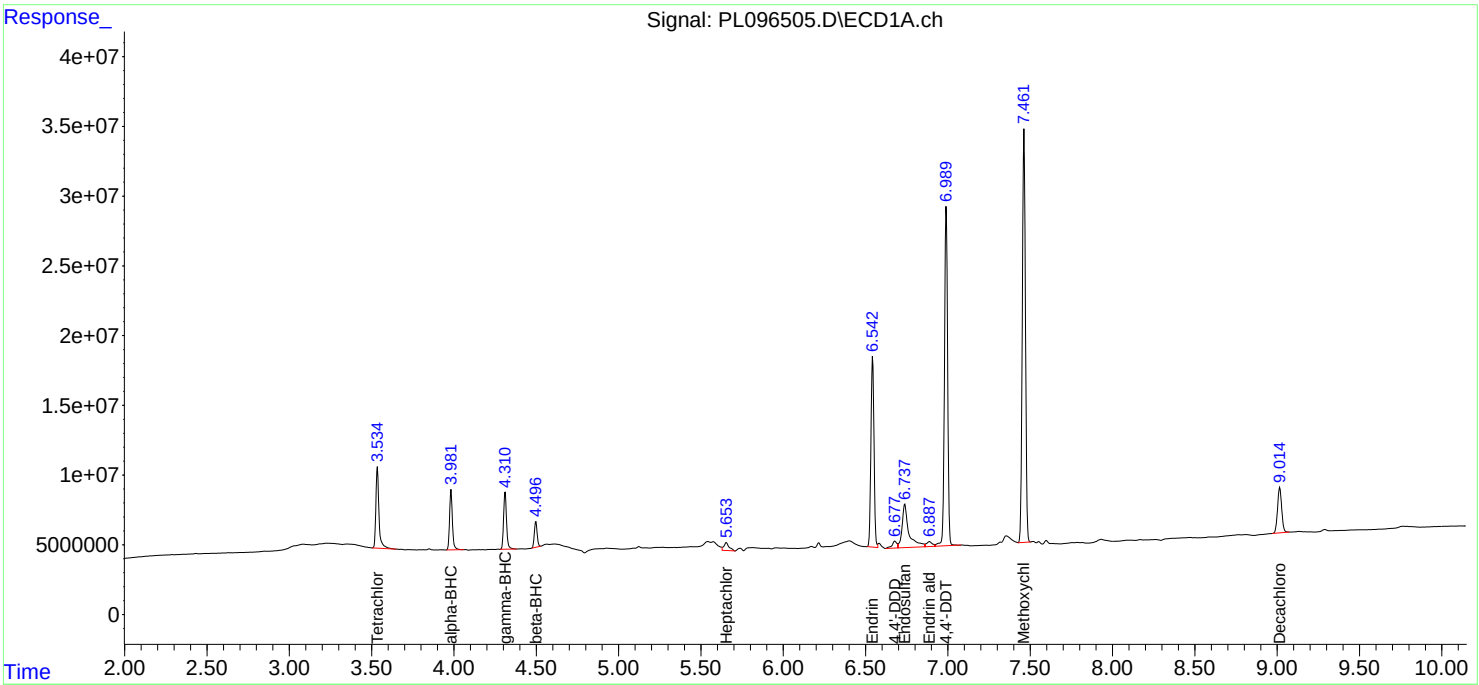
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

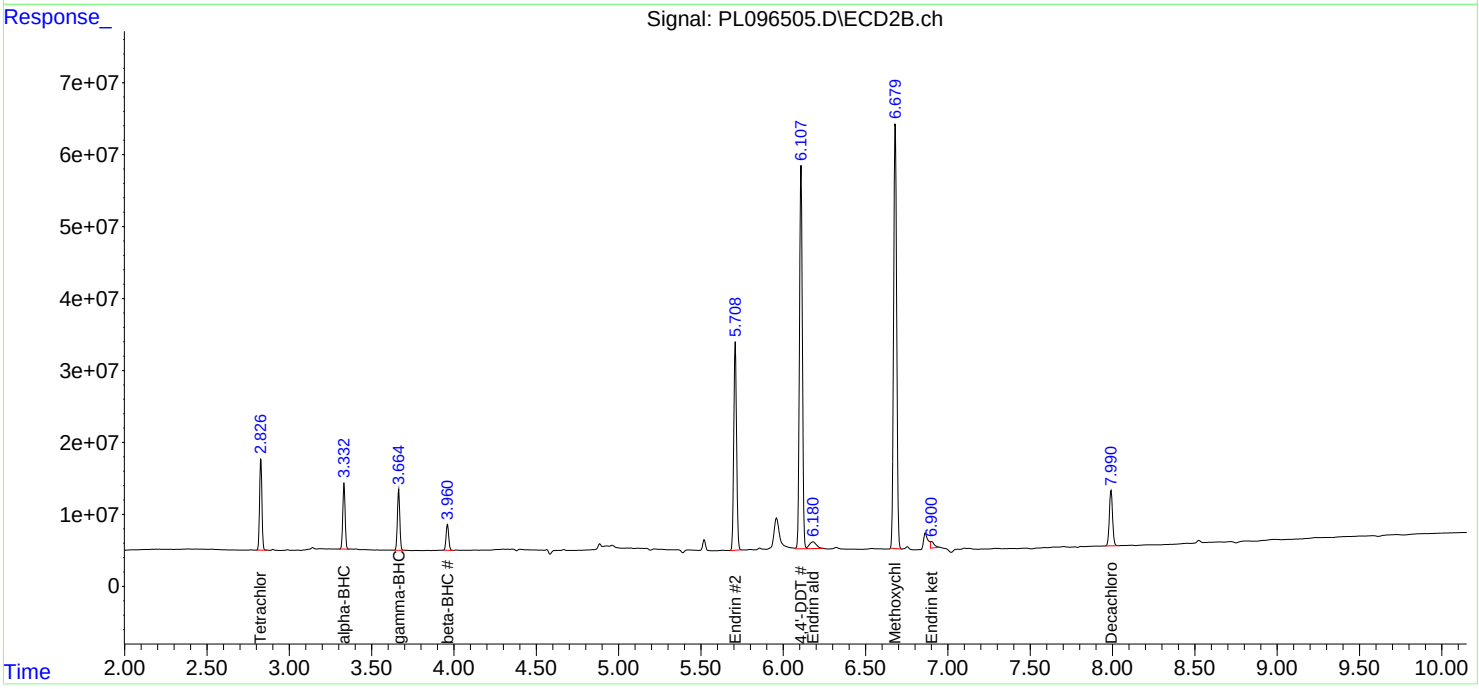
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096505.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 10:02
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

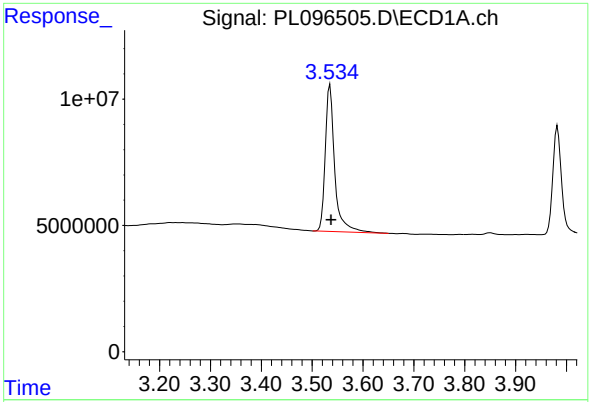
Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:46:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



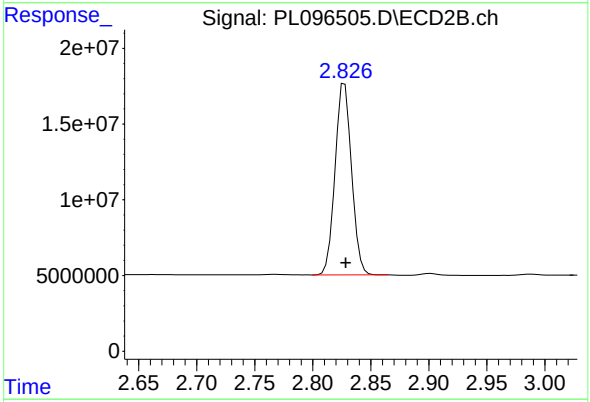




#1 Tetrachloro-m-xylene

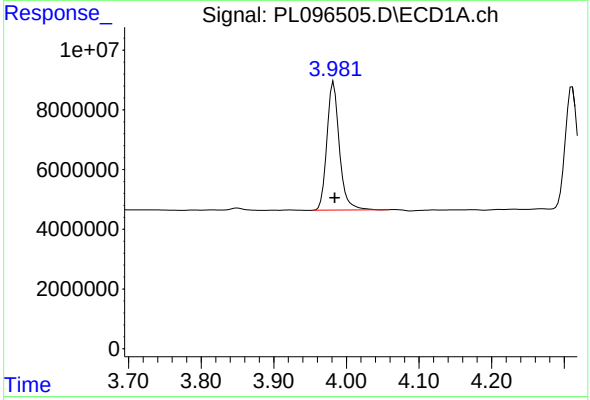
R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 74869496
Conc: 20.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



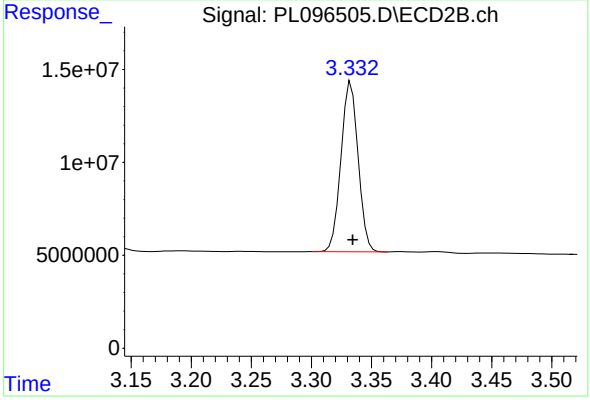
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 124990529
Conc: 21.66 ng/ml



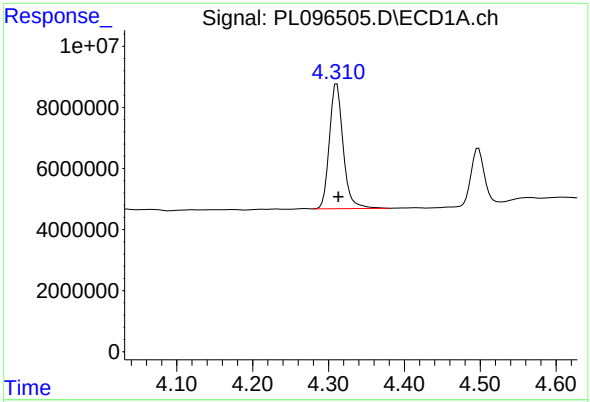
#2 alpha-BHC

R.T.: 3.982 min
Delta R.T.: -0.002 min
Response: 51499129
Conc: 10.01 ng/ml



#2 alpha-BHC

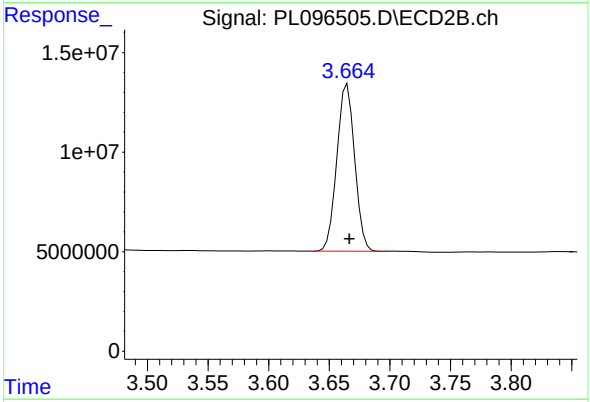
R.T.: 3.333 min
Delta R.T.: -0.001 min
Response: 90978736
Conc: 10.79 ng/ml



#3 gamma-BHC (Lindane)

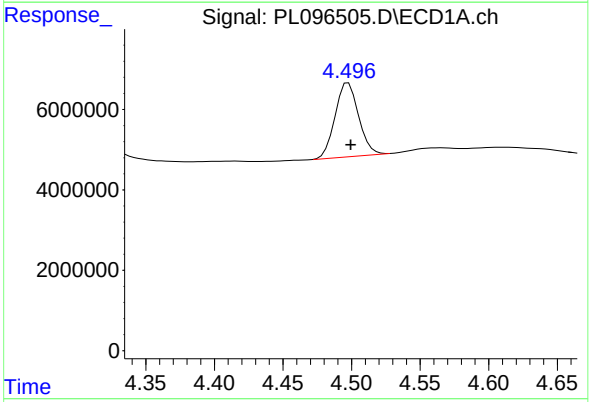
R.T.: 4.311 min
Delta R.T.: -0.002 min
Response: 51489984
Conc: 10.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



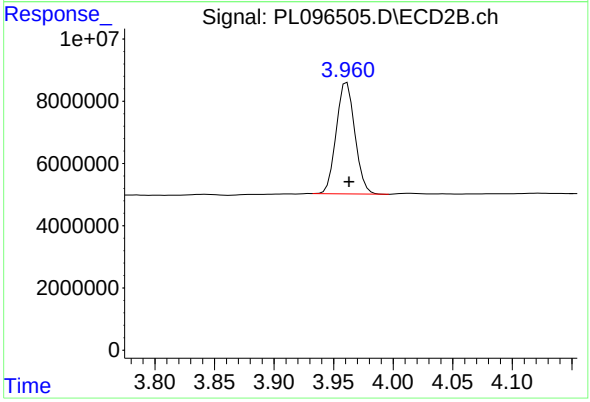
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: -0.002 min
Response: 85522802
Conc: 10.86 ng/ml



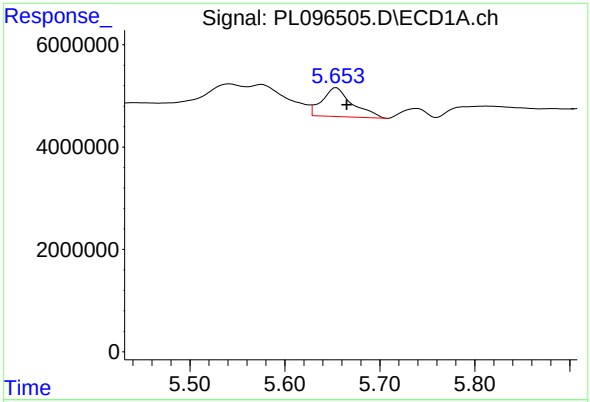
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: -0.002 min
Response: 21943686
Conc: 10.56 ng/ml



#6 beta-BHC

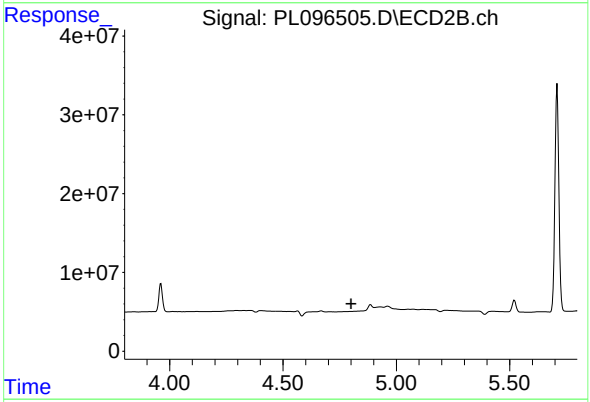
R.T.: 3.961 min
Delta R.T.: -0.002 min
Response: 38977484
Conc: 11.38 ng/ml



#8 Heptachlor epoxide

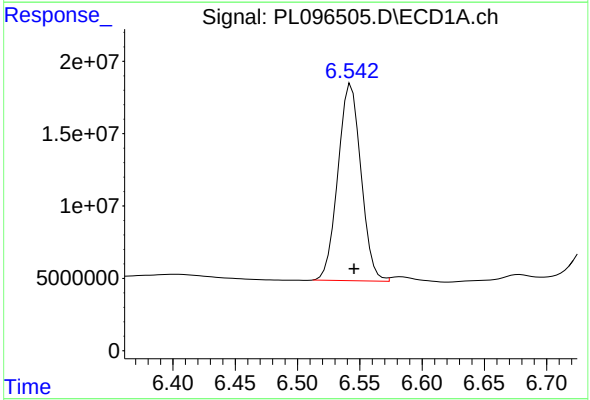
R.T.: 5.654 min
Delta R.T.: -0.011 min
Response: 12555376
Conc: 3.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



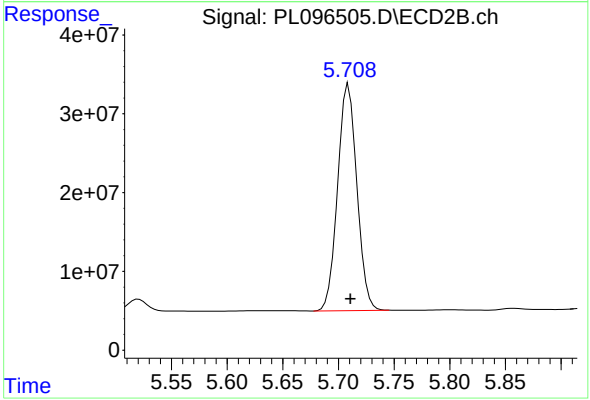
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 4.800 min
Response: 0
Conc: N.D.



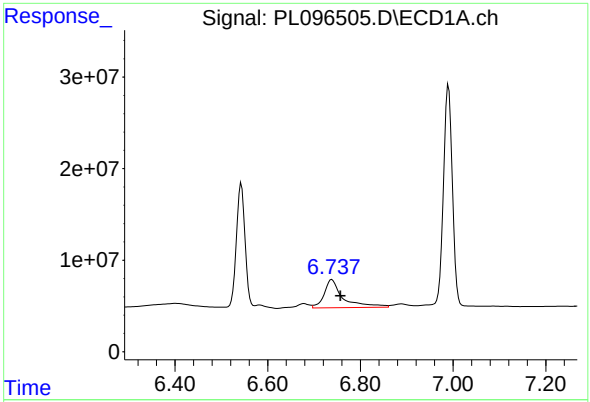
#14 Endrin

R.T.: 6.543 min
Delta R.T.: -0.002 min
Response: 175890153
Conc: 56.55 ng/ml



#14 Endrin

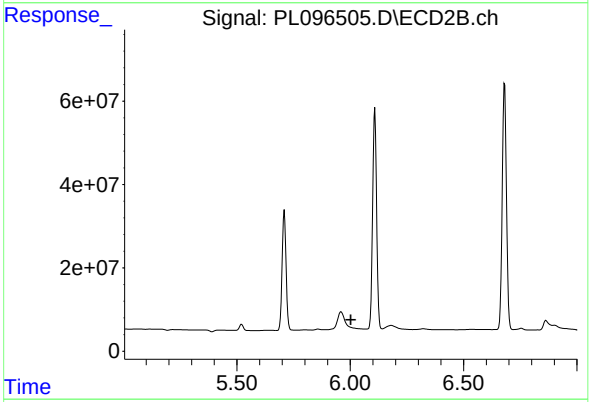
R.T.: 5.709 min
Delta R.T.: -0.002 min
Response: 346194826
Conc: 56.79 ng/ml



#15 Endosulfan II

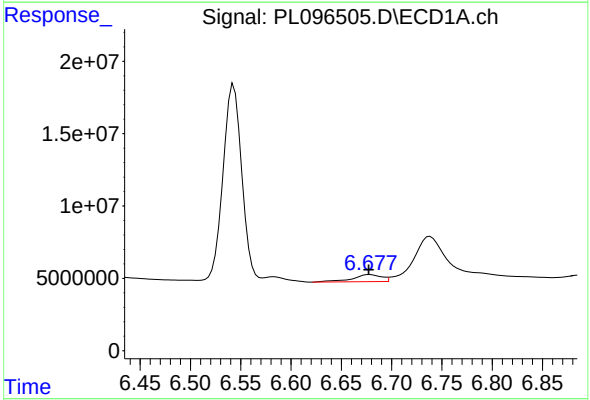
R.T.: 6.738 min
Delta R.T.: -0.018 min
Response: 88094853
Conc: 25.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



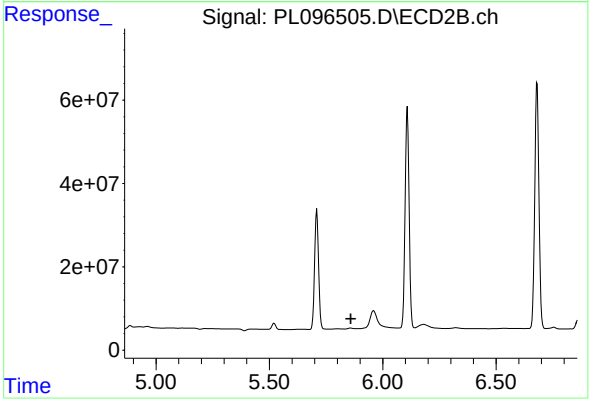
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.003 min
Response: 0
Conc: N.D.



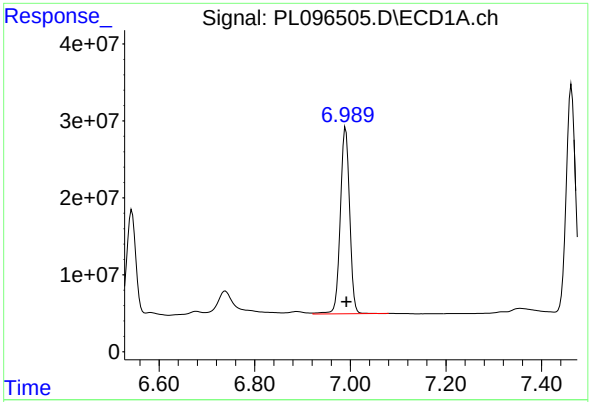
#16 4,4'-DDD

R.T.: 6.678 min
Delta R.T.: 0.001 min
Response: 9989391
Conc: 3.43 ng/ml



#16 4,4'-DDD

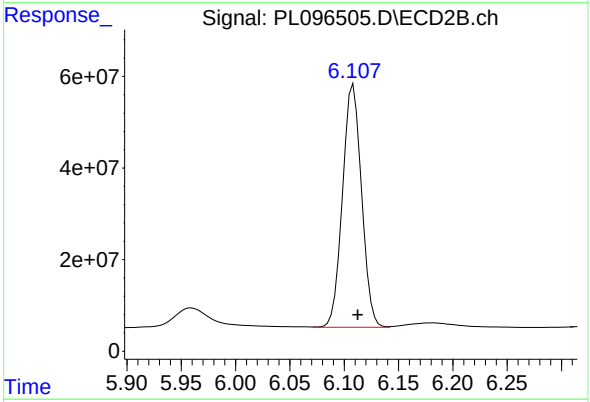
R.T.: 0.000 min
Exp R.T. : 5.859 min
Response: 0
Conc: N.D.



#17 4,4'-DDT

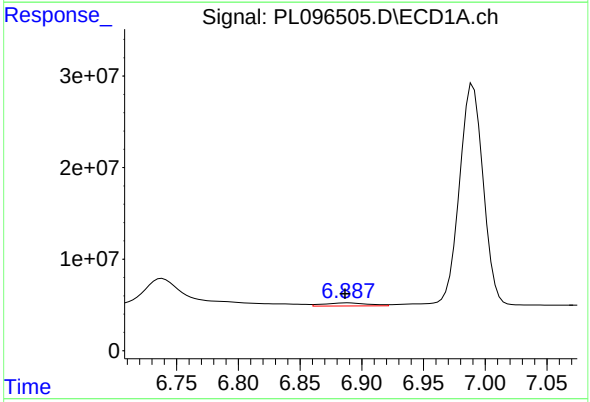
R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 328639908
Conc: 108.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



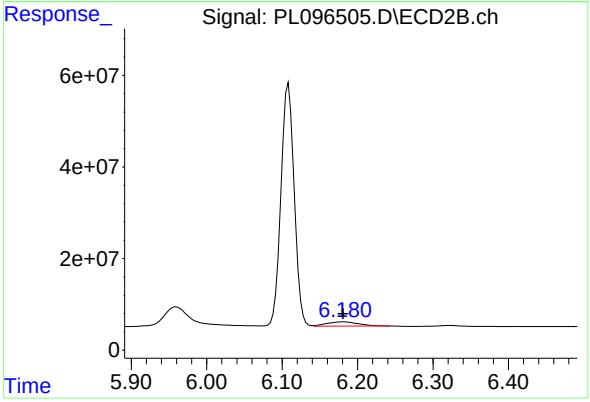
#17 4,4'-DDT

R.T.: 6.108 min
Delta R.T.: -0.004 min
Response: 647813223
Conc: 112.96 ng/ml



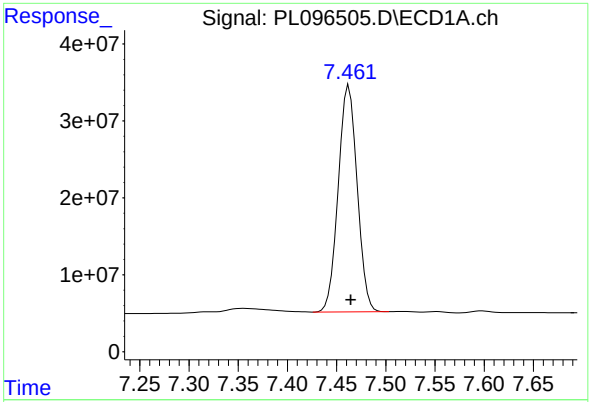
#18 Endrin aldehyde

R.T.: 6.888 min
Delta R.T.: 0.002 min
Response: 8661522
Conc: 3.87 ng/ml



#18 Endrin aldehyde

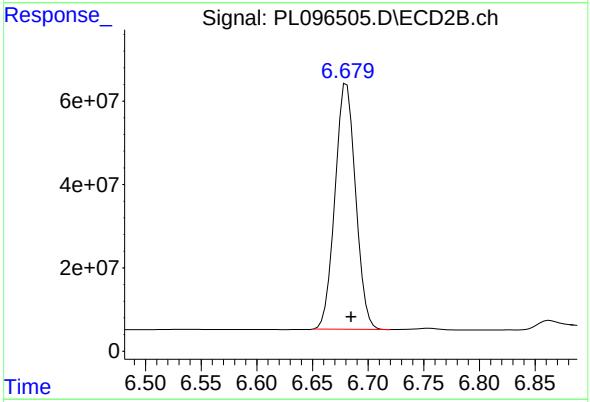
R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 27209226
Conc: 6.11 ng/ml



#20 Methoxychlor

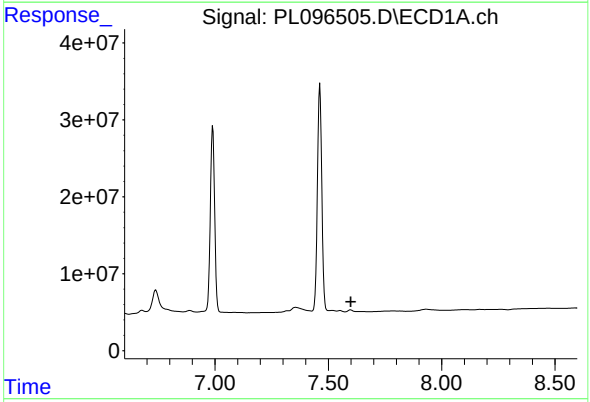
R.T.: 7.462 min
Delta R.T.: -0.002 min
Response: 394850966
Conc: 250.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



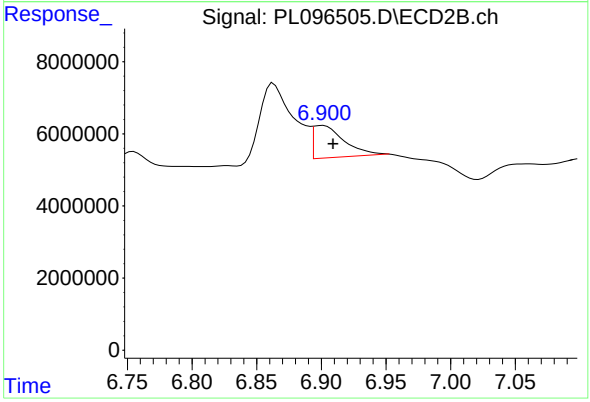
#20 Methoxychlor

R.T.: 6.681 min
Delta R.T.: -0.004 min
Response: 759304203
Conc: 249.95 ng/ml



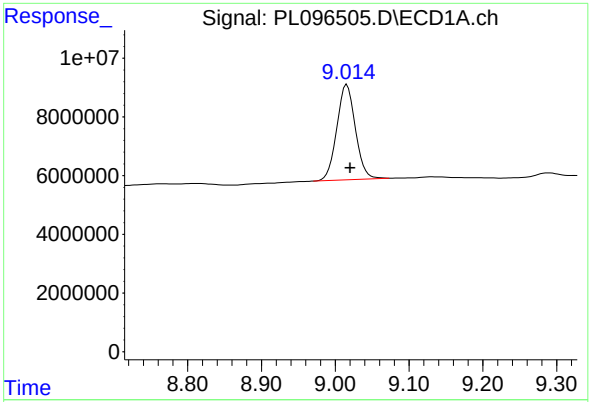
#21 Endrin ketone

R.T.: 0.000 min
Exp R.T. : 7.599 min
Response: 0
Conc: N.D.



#21 Endrin ketone

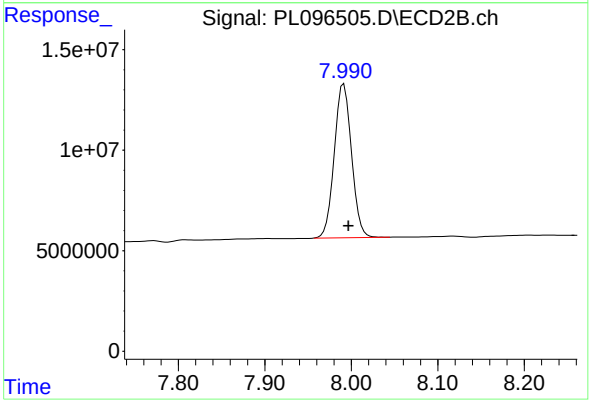
R.T.: 6.901 min
Delta R.T.: -0.008 min
Response: 15057927
Conc: 2.41 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: -0.004 min
Response: 56724723
Conc: 20.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 7.991 min
Delta R.T.: -0.005 min
Response: 105401999
Conc: 21.14 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096506.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 11:43
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: Jul 23 01:46:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.534	2.826	191.2E6	320.3E6	52.409	55.492	
28)	SA Decachlor...	9.016	7.991	136.8E6	256.4E6	48.645	51.421	
	Target Compounds							
2)	A alpha-BHC	3.982	3.332	276.5E6	484.5E6	53.758	57.442	
3)	MA gamma-BHC...	4.310	3.664	265.6E6	447.8E6	53.341	56.863	
4)	MA Heptachlor	4.903	4.013	248.1E6	436.9E6	54.153	57.432	
5)	MB Aldrin	5.242	4.296	251.2E6	414.5E6	51.972	56.812	
6)	B beta-BHC	4.497	3.960	111.9E6	189.2E6	53.809	55.251	
7)	B delta-BHC	4.742	4.193	241.1E6	439.9E6	53.805	57.117	
8)	B Heptachlo...	5.662	4.798	227.1E6	370.0E6	54.741	55.342	
9)	A Endosulfan I	6.044	5.168	207.6E6	346.3E6	51.413	48.271	
10)	B gamma-Chl...	5.916	5.049	227.7E6	390.8E6	51.468	55.678	
11)	B alpha-Chl...	5.997	5.114	225.9E6	382.9E6	51.589	50.918	
12)	B 4,4'-DDE	6.166	5.303	188.5E6	362.6E6	50.838	56.096	
13)	MA Dieldrin	6.316	5.433	217.1E6	380.6E6	51.338	55.820	
14)	MA Endrin	6.543	5.708	169.7E6	343.1E6	54.557	56.274	
15)	B Endosulfa...	6.755	6.000	211.8E6	331.7E6	61.046	56.567	
16)	A 4,4'-DDD	6.675	5.855	150.5E6	301.7E6	51.671	58.828	
17)	MA 4,4'-DDT	6.989	6.108	166.6E6	323.0E6	54.896	56.314	
18)	B Endrin al...	6.884	6.178	126.5E6	240.1E6	56.574	53.904	
19)	B Endosulfa...	7.117	6.402	155.7E6	318.1E6	50.917	56.563	
20)	A Methoxychlor	7.462	6.680	80920625	169.5E6	51.365	55.798	
21)	B Endrin ke...	7.597	6.906	160.4E6	337.8E6	48.596	54.033	
22)	Mirex	8.077	7.097	138.7E6	261.3E6	49.841	52.590	
24)	Chlordane-2	5.242f	0.000	251.2E6	0	1283.155	N.D.	#
25)	Chlordane-3	5.916	5.049	227.7E6	390.8E6	309.108	485.798	#
26)	Chlordane-4	5.997	5.114	225.9E6	382.9E6	251.779	509.584	#
27)	Chlordane-5	0.000	6.000	0	331.7E6	N.D.	1170.240	#

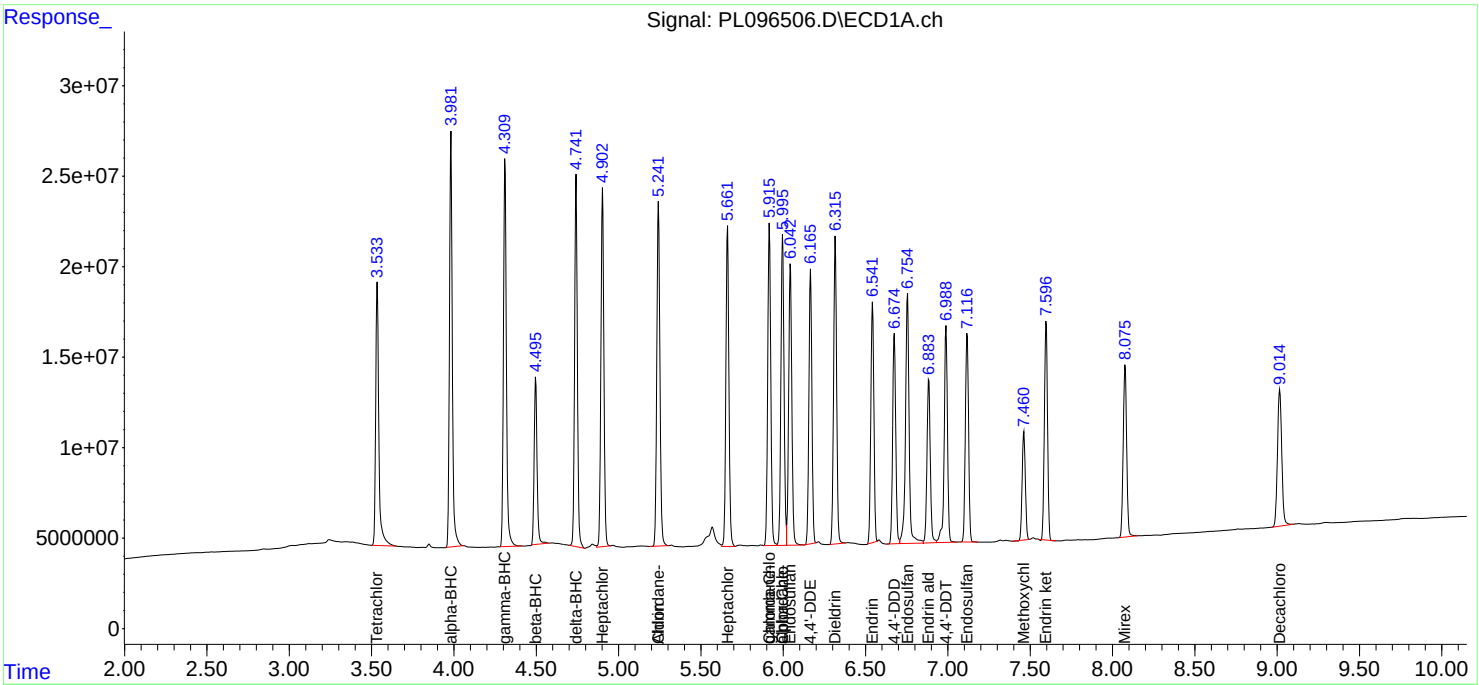
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

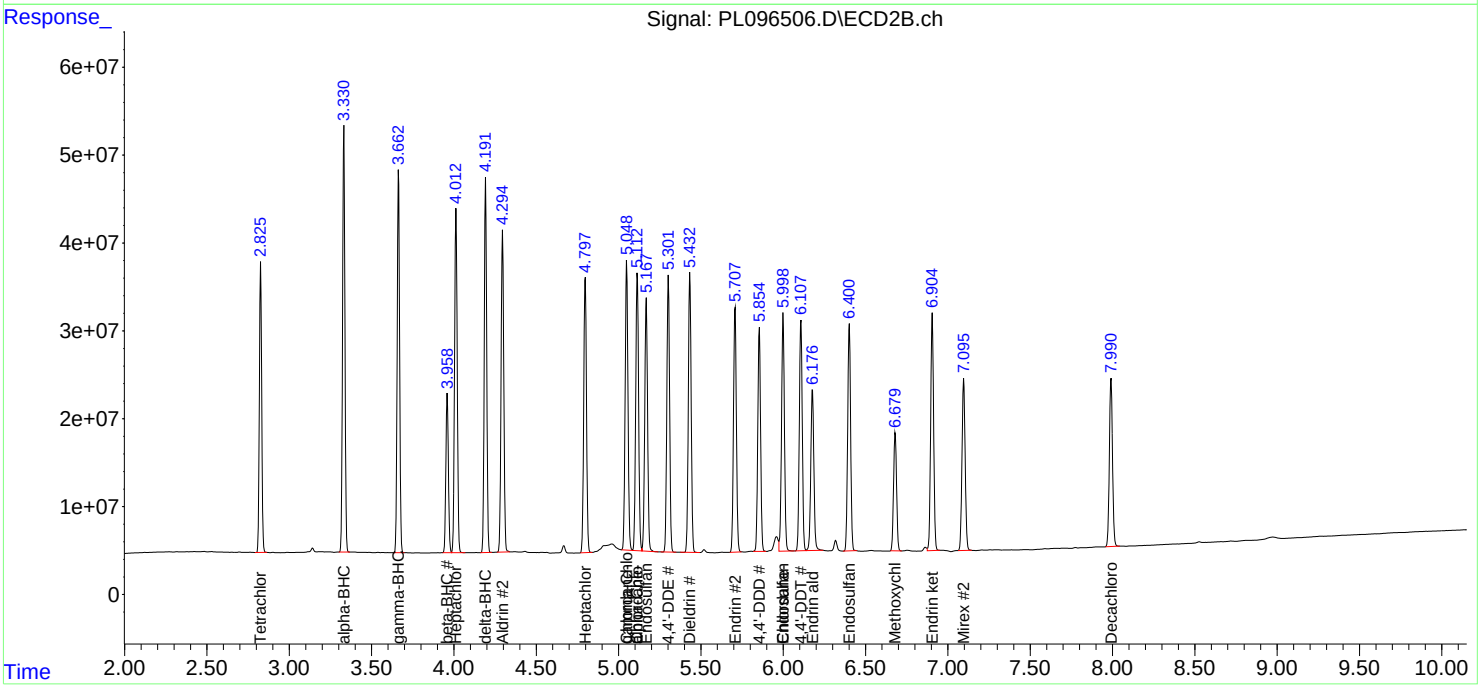
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096506.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 11:43
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

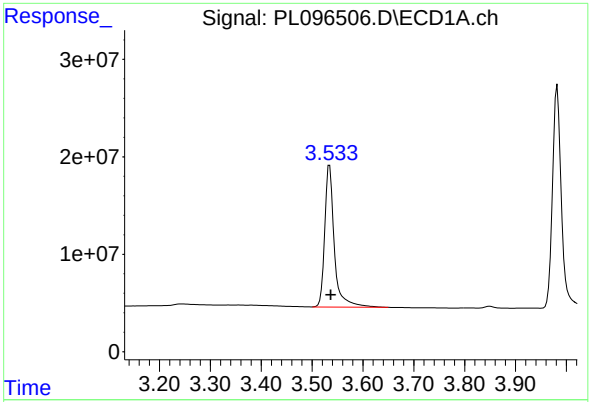
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:46:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



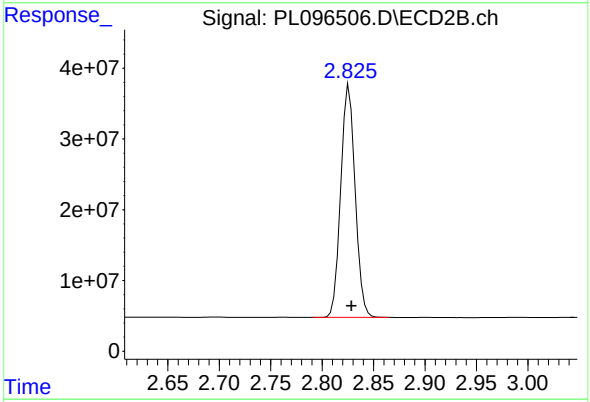




#1 Tetrachloro-m-xylene

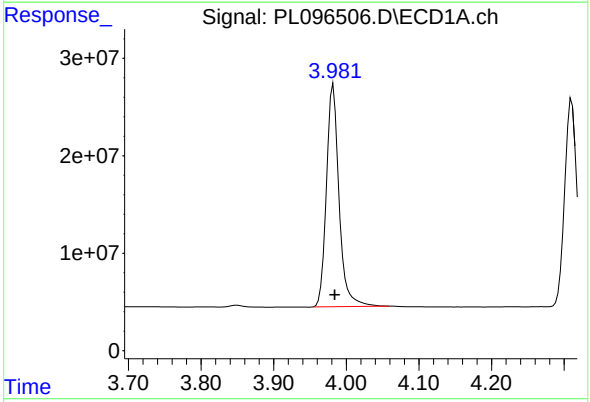
R.T.: 3.534 min
Delta R.T.: -0.003 min
Response: 191239765
Conc: 52.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



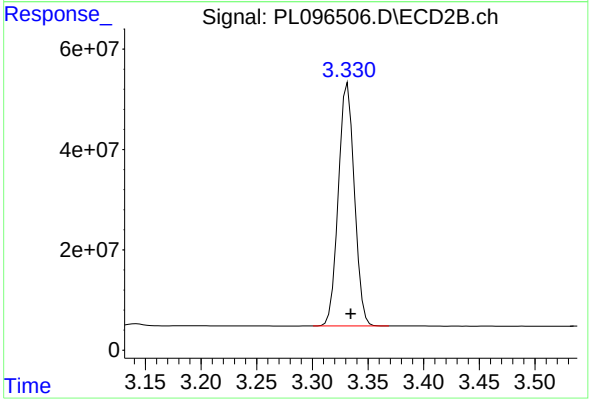
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 320255097
Conc: 55.49 ng/ml



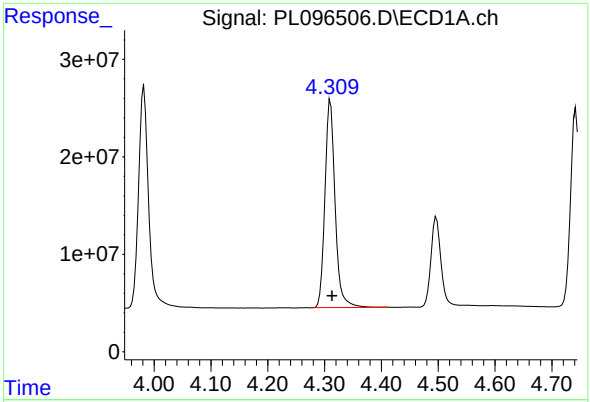
#2 alpha-BHC

R.T.: 3.982 min
Delta R.T.: -0.002 min
Response: 276485987
Conc: 53.76 ng/ml



#2 alpha-BHC

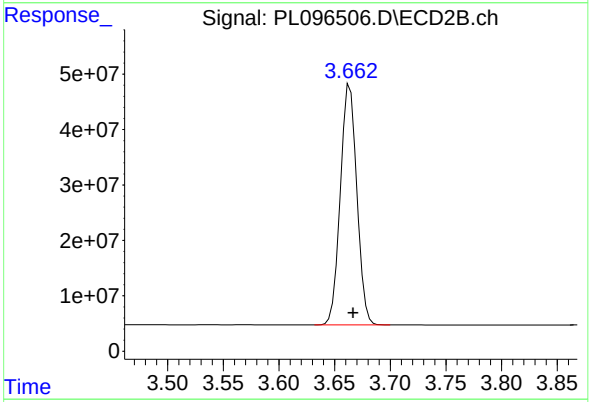
R.T.: 3.332 min
Delta R.T.: -0.003 min
Response: 484484852
Conc: 57.44 ng/ml



#3 gamma-BHC (Lindane)

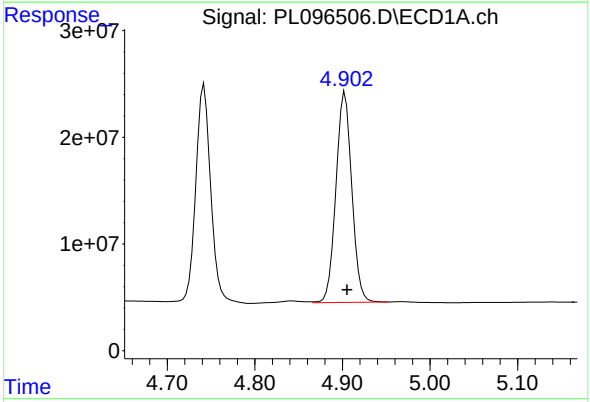
R.T.: 4.310 min
Delta R.T.: -0.003 min
Response: 265617424
Conc: 53.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



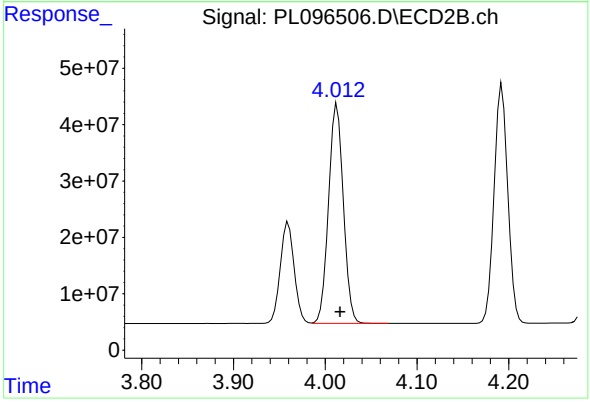
#3 gamma-BHC (Lindane)

R.T.: 3.664 min
Delta R.T.: -0.003 min
Response: 447841851
Conc: 56.86 ng/ml



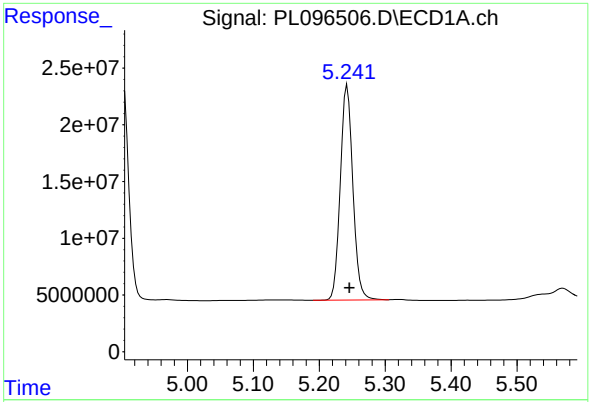
#4 Heptachlor

R.T.: 4.903 min
Delta R.T.: -0.002 min
Response: 248085356
Conc: 54.15 ng/ml



#4 Heptachlor

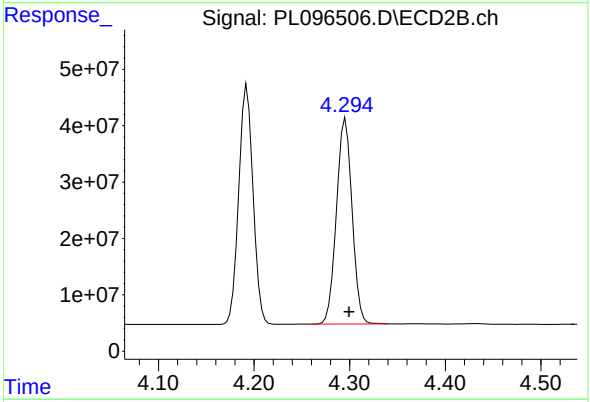
R.T.: 4.013 min
Delta R.T.: -0.003 min
Response: 436927835
Conc: 57.43 ng/ml



#5 Aldrin

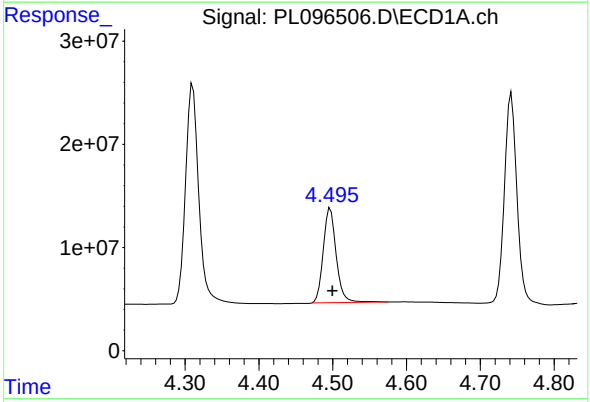
R.T.: 5.242 min
Delta R.T.: -0.003 min
Response: 251216195
Conc: 51.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



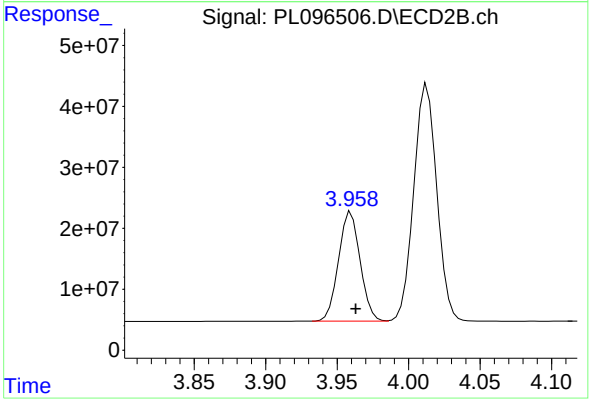
#5 Aldrin

R.T.: 4.296 min
Delta R.T.: -0.004 min
Response: 414480607
Conc: 56.81 ng/ml



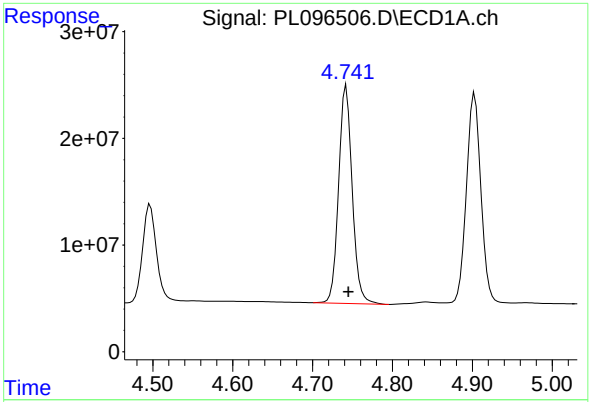
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: -0.003 min
Response: 111858634
Conc: 53.81 ng/ml



#6 beta-BHC

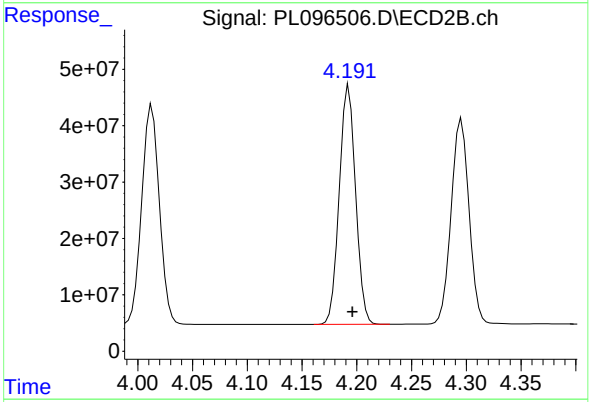
R.T.: 3.960 min
Delta R.T.: -0.003 min
Response: 189173591
Conc: 55.25 ng/ml



#7 delta-BHC

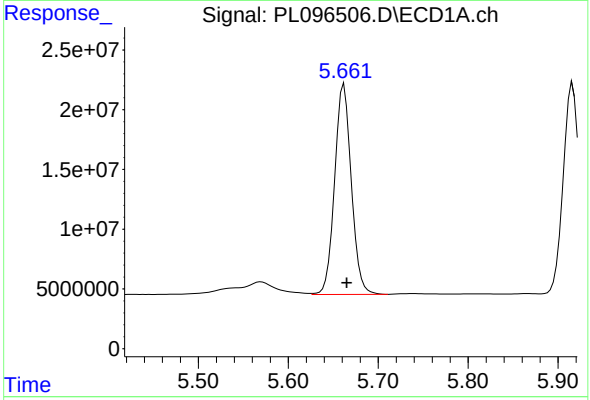
R.T.: 4.742 min
Delta R.T.: -0.003 min
Response: 241119962
Conc: 53.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



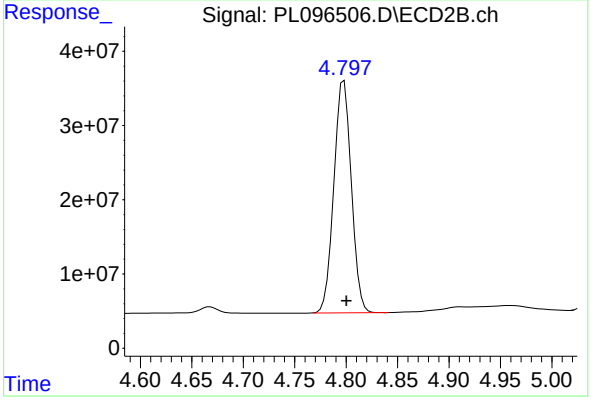
#7 delta-BHC

R.T.: 4.193 min
Delta R.T.: -0.003 min
Response: 439907256
Conc: 57.12 ng/ml



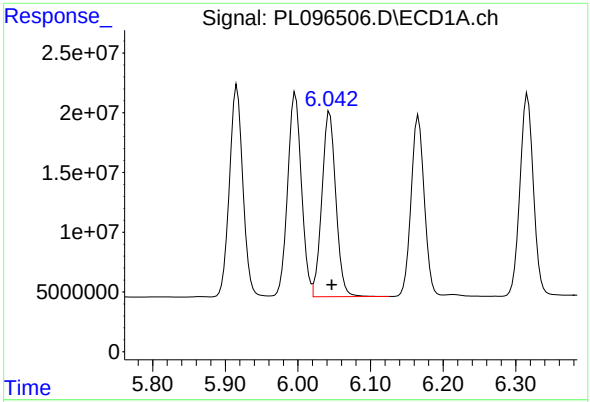
#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: -0.003 min
Response: 227129102
Conc: 54.74 ng/ml



#8 Heptachlor epoxide

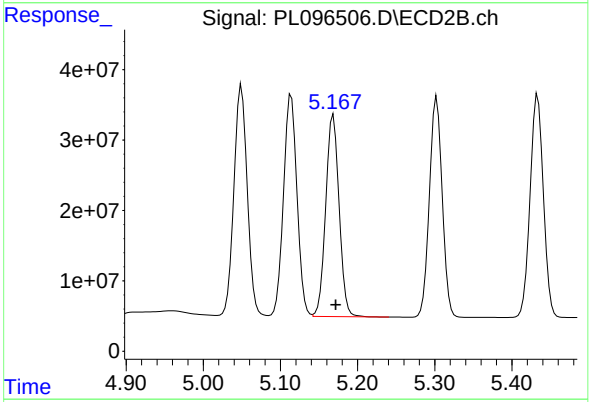
R.T.: 4.798 min
Delta R.T.: -0.003 min
Response: 369956699
Conc: 55.34 ng/ml



#9 Endosulfan I

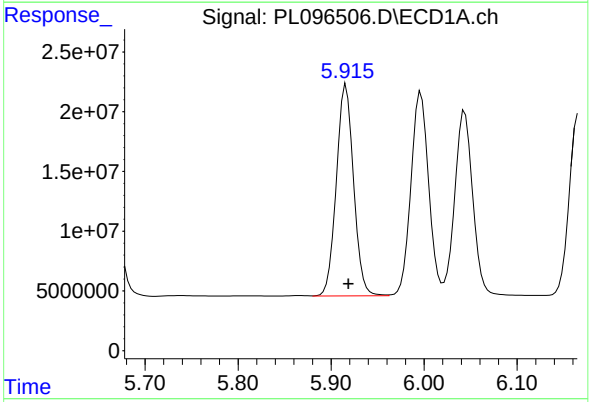
R.T.: 6.044 min
Delta R.T.: -0.003 min
Response: 207569247
Conc: 51.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



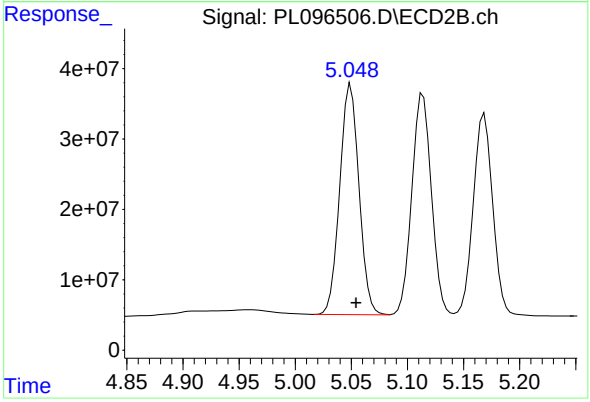
#9 Endosulfan I

R.T.: 5.168 min
Delta R.T.: -0.003 min
Response: 346305226
Conc: 48.27 ng/ml



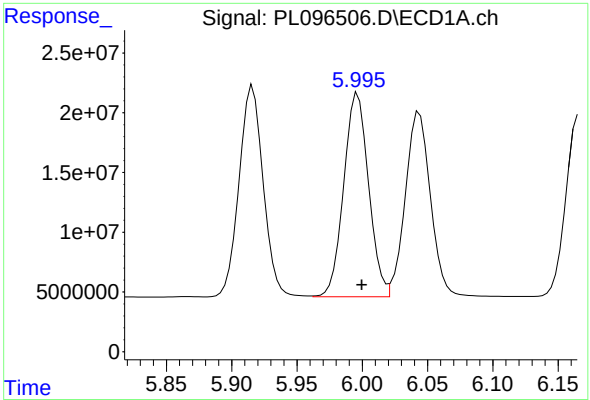
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: -0.003 min
Response: 227736443
Conc: 51.47 ng/ml



#10 gamma-Chlordane

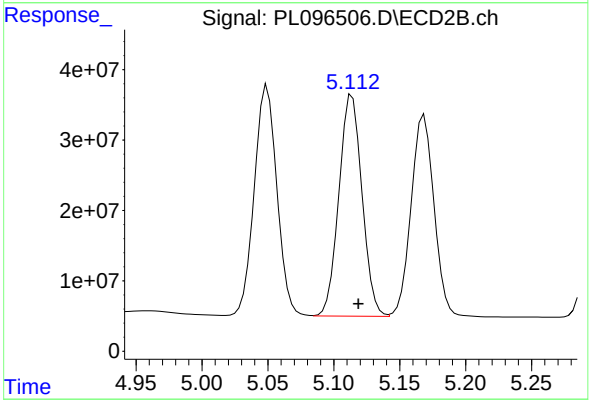
R.T.: 5.049 min
Delta R.T.: -0.005 min
Response: 390842967
Conc: 55.68 ng/ml



#11 alpha-Chlordane

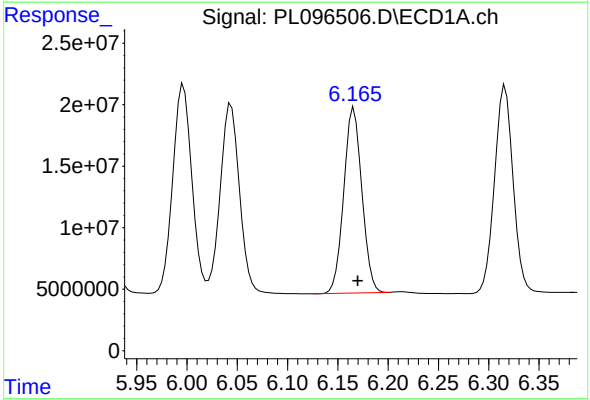
R.T.: 5.997 min
Delta R.T.: -0.003 min
Response: 225902391
Conc: 51.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



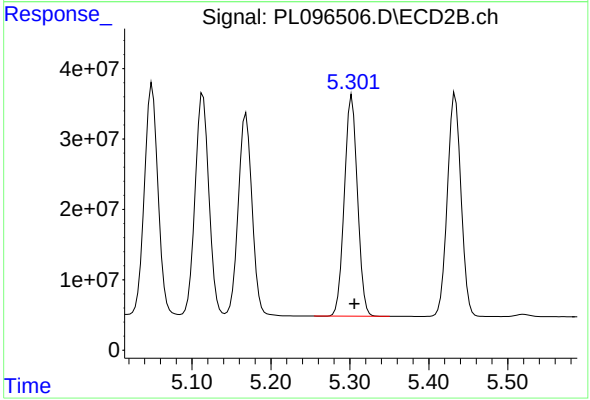
#11 alpha-Chlordane

R.T.: 5.114 min
Delta R.T.: -0.005 min
Response: 382914797
Conc: 50.92 ng/ml



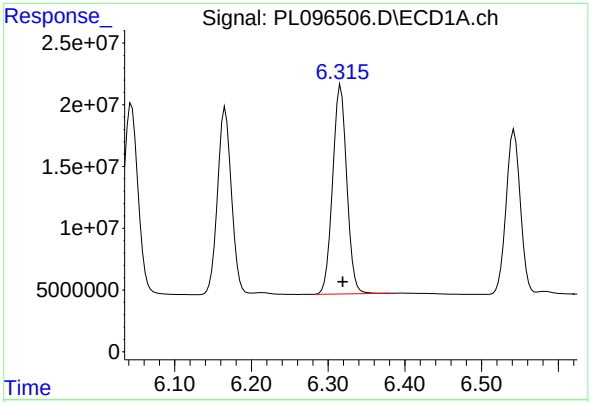
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: -0.004 min
Response: 188479300
Conc: 50.84 ng/ml



#12 4,4'-DDE

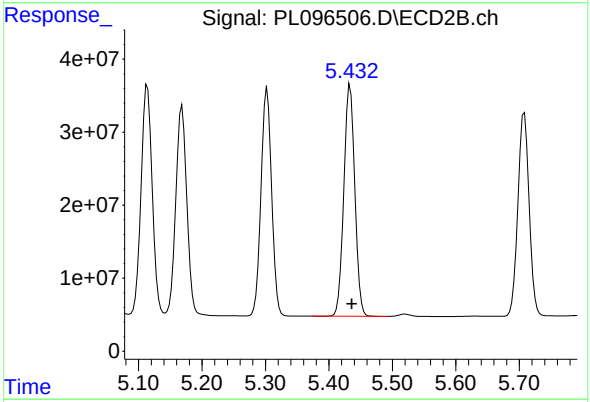
R.T.: 5.303 min
Delta R.T.: -0.003 min
Response: 362585544
Conc: 56.10 ng/ml



#13 Dieldrin

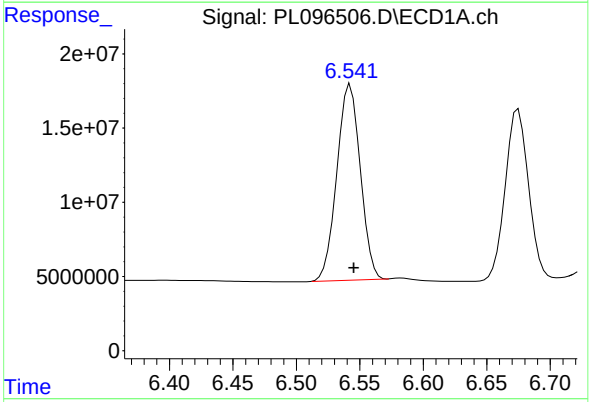
R.T.: 6.316 min
Delta R.T.: -0.003 min
Response: 217076425
Conc: 51.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



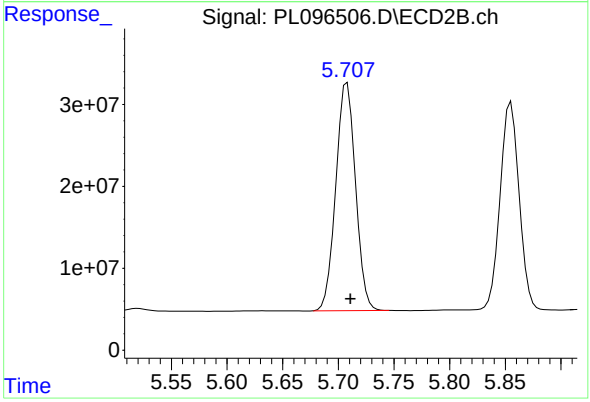
#13 Dieldrin

R.T.: 5.433 min
Delta R.T.: -0.003 min
Response: 380649751
Conc: 55.82 ng/ml



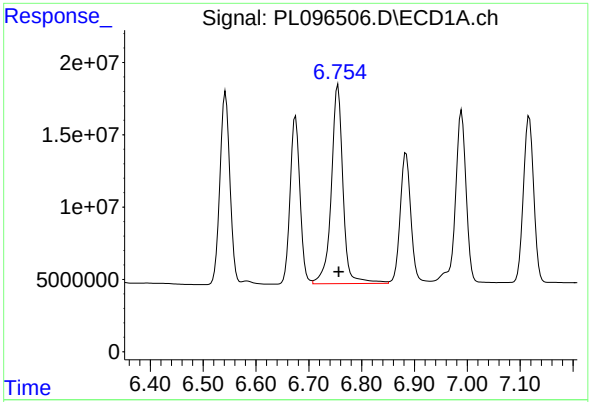
#14 Endrin

R.T.: 6.543 min
Delta R.T.: -0.003 min
Response: 169685275
Conc: 54.56 ng/ml



#14 Endrin

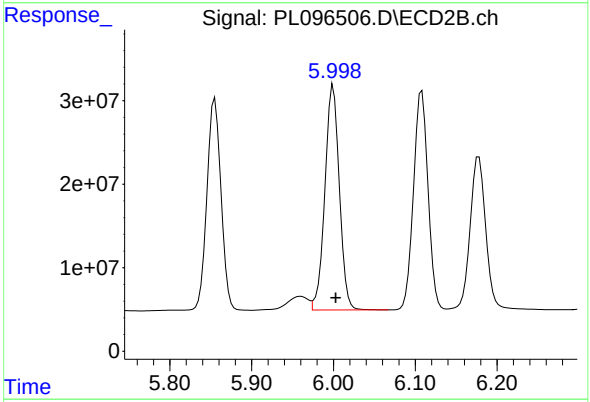
R.T.: 5.708 min
Delta R.T.: -0.003 min
Response: 343075741
Conc: 56.27 ng/ml



#15 Endosulfan II

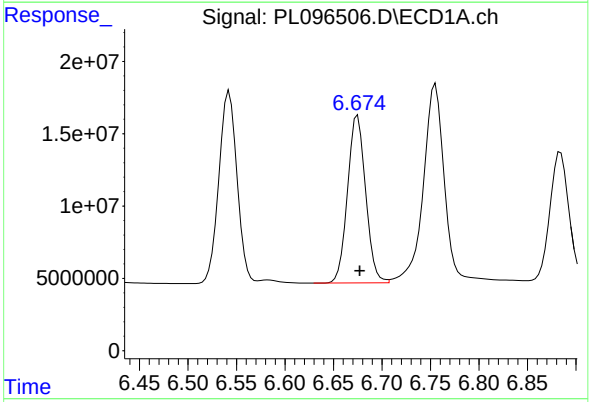
R.T.: 6.755 min
Delta R.T.: -0.002 min
Response: 211833612
Conc: 61.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



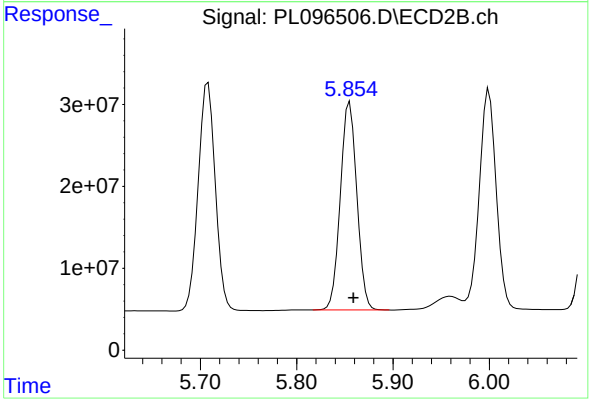
#15 Endosulfan II

R.T.: 6.000 min
Delta R.T.: -0.003 min
Response: 331705023
Conc: 56.57 ng/ml



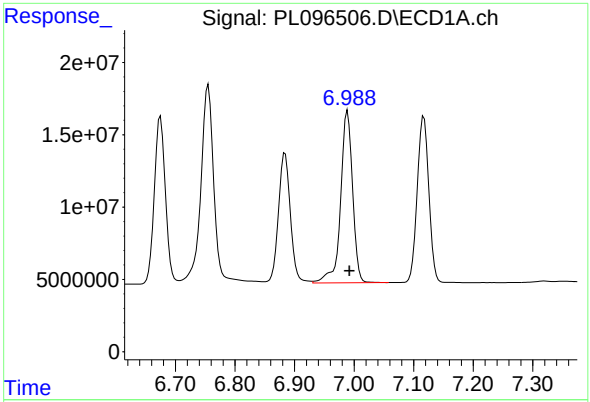
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: -0.002 min
Response: 150450217
Conc: 51.67 ng/ml



#16 4,4'-DDD

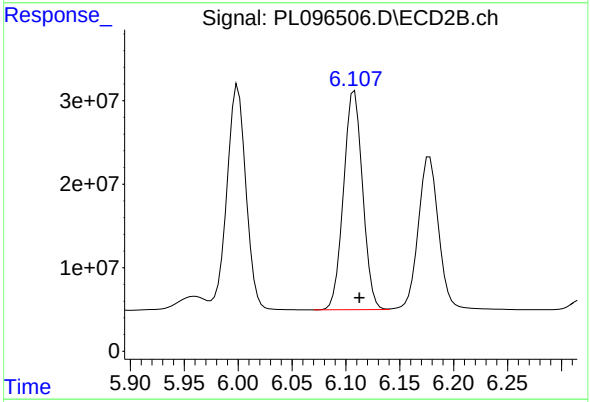
R.T.: 5.855 min
Delta R.T.: -0.004 min
Response: 301712298
Conc: 58.83 ng/ml



#17 4,4'-DDT

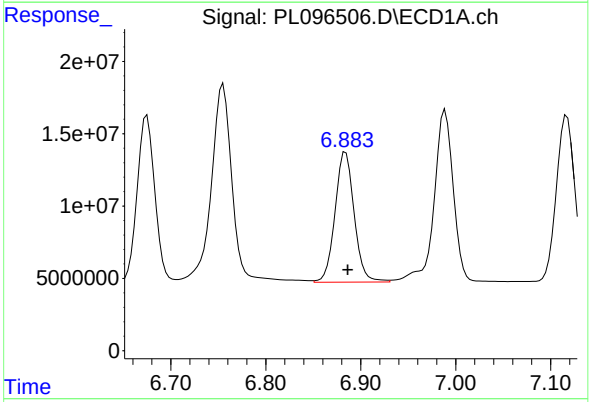
R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 166619776
Conc: 54.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



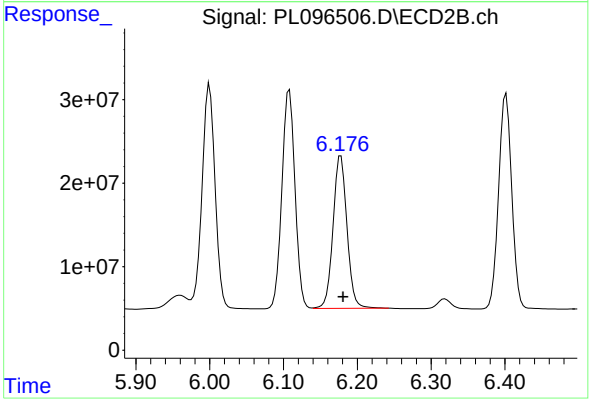
#17 4,4'-DDT

R.T.: 6.108 min
Delta R.T.: -0.005 min
Response: 322970242
Conc: 56.31 ng/ml



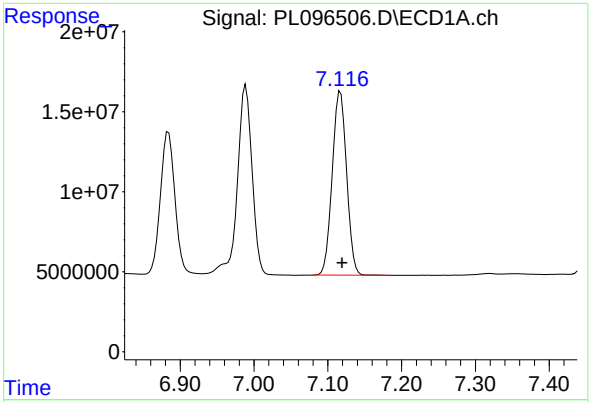
#18 Endrin aldehyde

R.T.: 6.884 min
Delta R.T.: -0.002 min
Response: 126473518
Conc: 56.57 ng/ml



#18 Endrin aldehyde

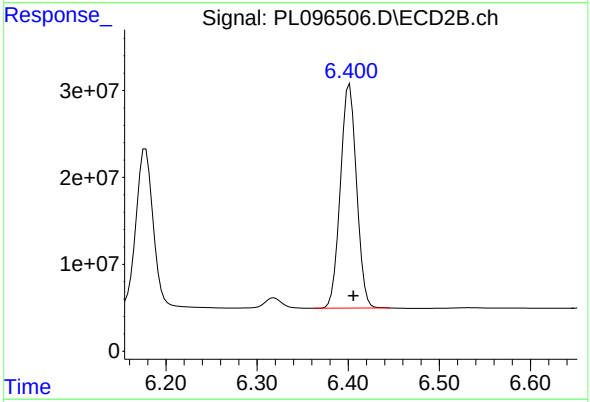
R.T.: 6.178 min
Delta R.T.: -0.003 min
Response: 240118997
Conc: 53.90 ng/ml



#19 Endosulfan Sulfate

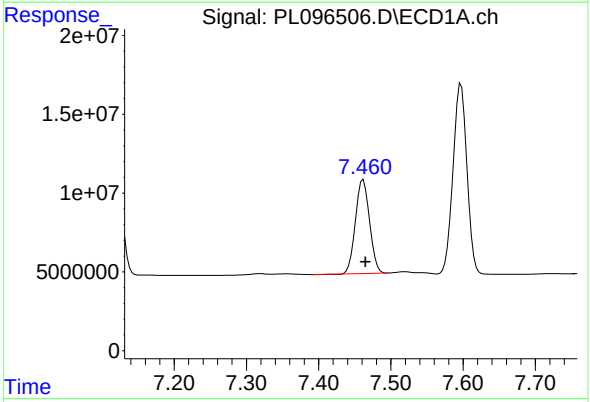
R.T.: 7.117 min
Delta R.T.: -0.002 min
Response: 155746993
Conc: 50.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



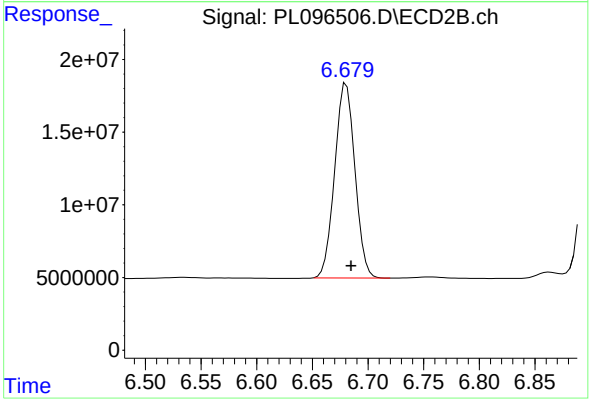
#19 Endosulfan Sulfate

R.T.: 6.402 min
Delta R.T.: -0.004 min
Response: 318131969
Conc: 56.56 ng/ml



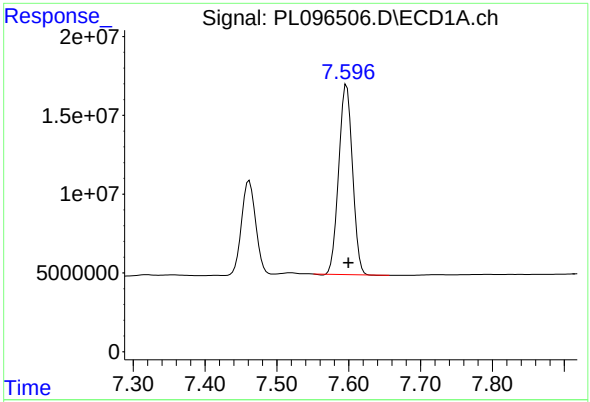
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: -0.003 min
Response: 80920625
Conc: 51.37 ng/ml



#20 Methoxychlor

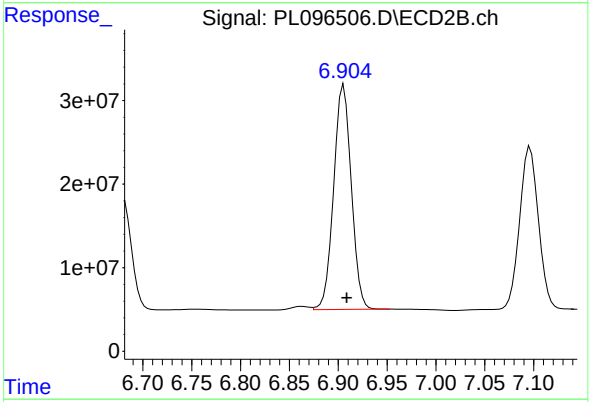
R.T.: 6.680 min
Delta R.T.: -0.004 min
Response: 169502134
Conc: 55.80 ng/ml



#21 Endrin ketone

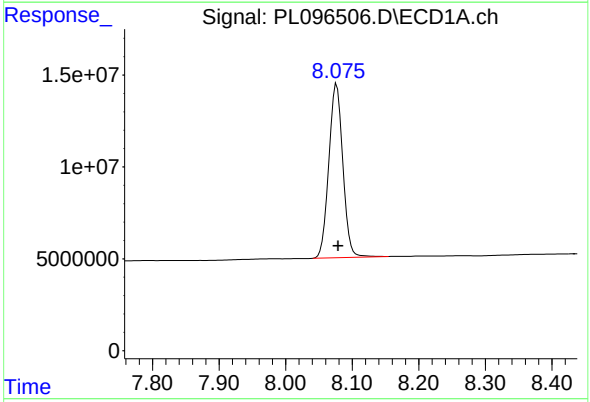
R.T.: 7.597 min
Delta R.T.: -0.002 min
Response: 160444670
Conc: 48.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



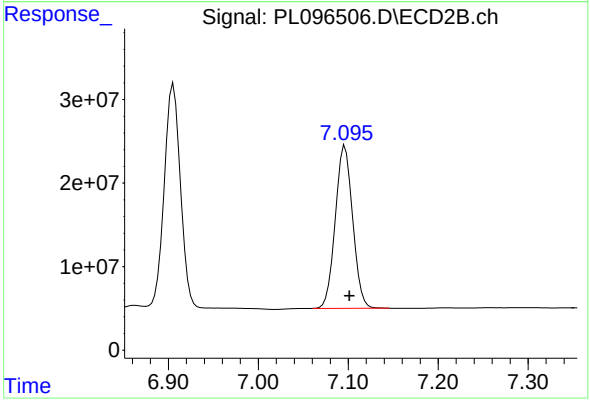
#21 Endrin ketone

R.T.: 6.906 min
Delta R.T.: -0.003 min
Response: 337824440
Conc: 54.03 ng/ml



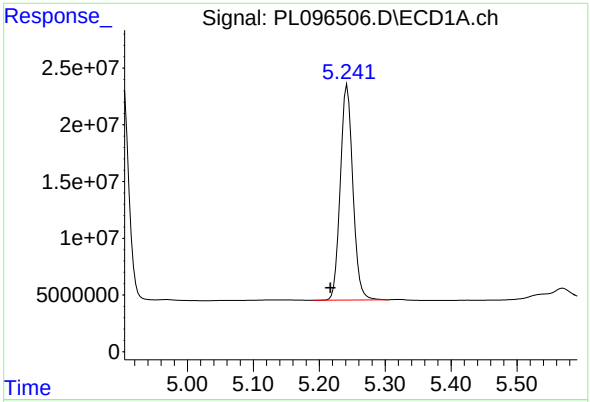
#22 Mirex

R.T.: 8.077 min
Delta R.T.: -0.002 min
Response: 138668598
Conc: 49.84 ng/ml



#22 Mirex

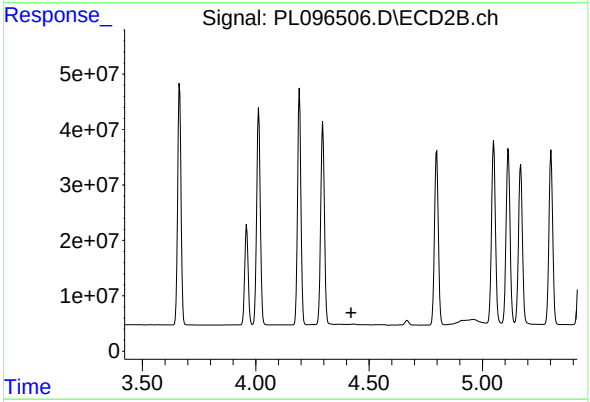
R.T.: 7.097 min
Delta R.T.: -0.005 min
Response: 261278594
Conc: 52.59 ng/ml



#24 Chlordane-2

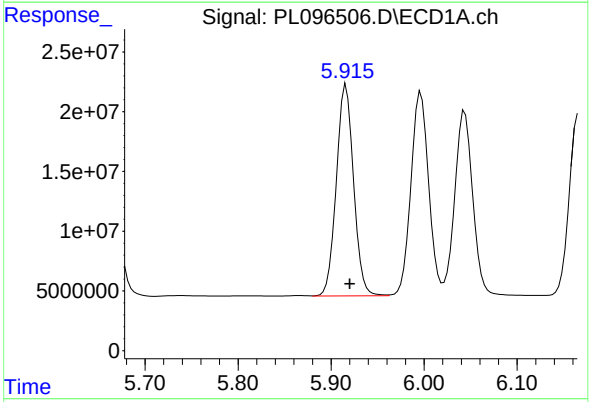
R.T.: 5.242 min
Delta R.T.: 0.026 min
Response: 251216195
Conc: 1283.16 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



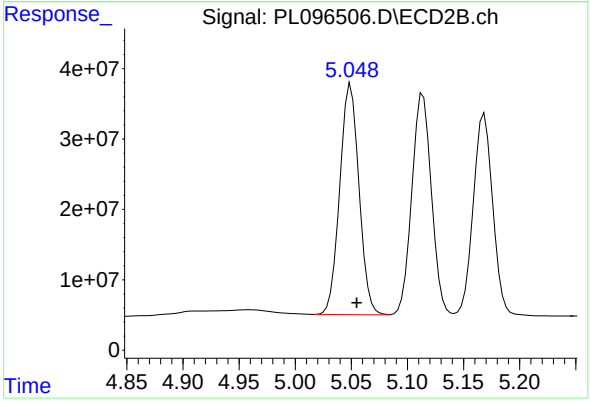
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.420 min
Response: 0
Conc: N.D.



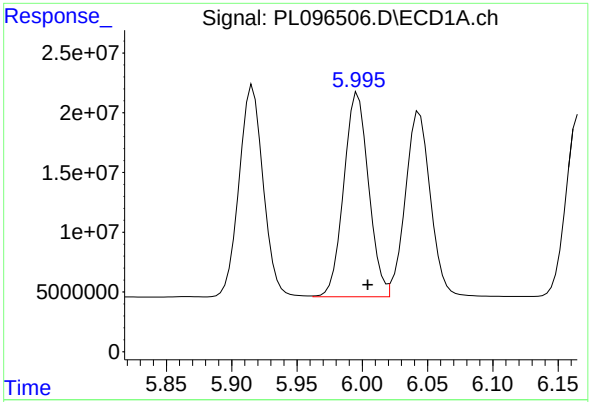
#25 Chlordane-3

R.T.: 5.916 min
Delta R.T.: -0.004 min
Response: 227736443
Conc: 309.11 ng/ml



#25 Chlordane-3

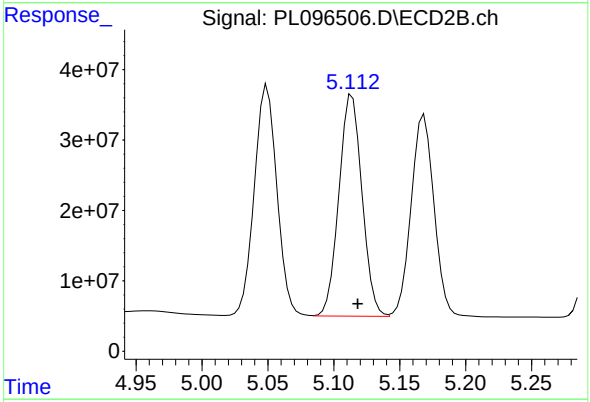
R.T.: 5.049 min
Delta R.T.: -0.005 min
Response: 390842967
Conc: 485.80 ng/ml



#26 Chlordane-4

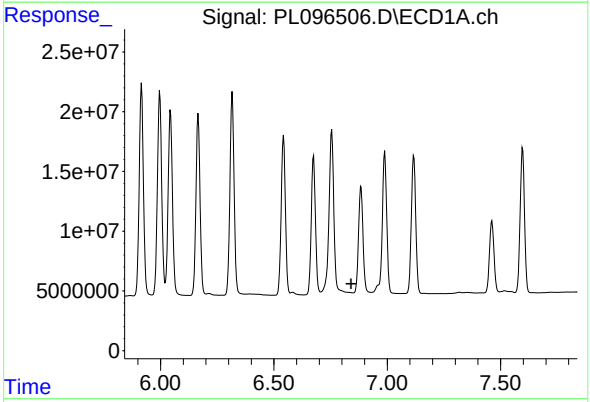
R.T.: 5.997 min
Delta R.T.: -0.008 min
Response: 225902391
Conc: 251.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



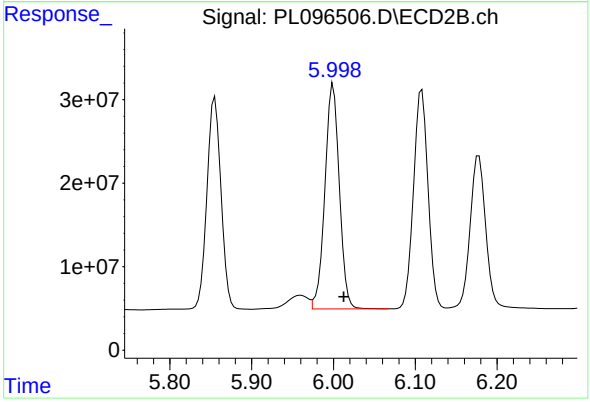
#26 Chlordane-4

R.T.: 5.114 min
Delta R.T.: -0.004 min
Response: 382914797
Conc: 509.58 ng/ml



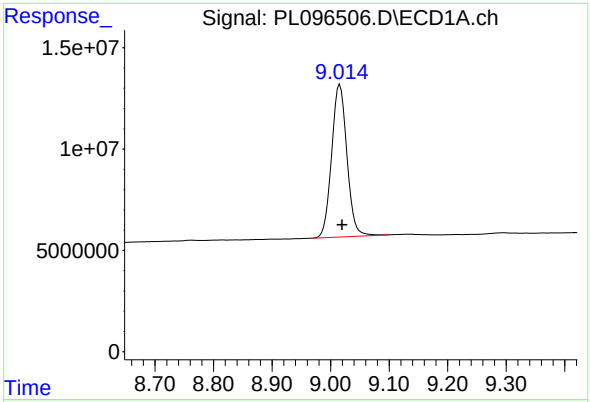
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.841 min
Response: 0
Conc: N.D.



#27 Chlordane-5

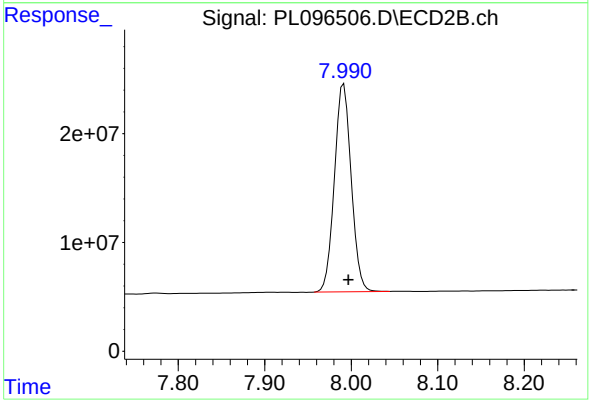
R.T.: 6.000 min
Delta R.T.: -0.013 min
Response: 331705023
Conc: 1170.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: -0.004 min
Response: 136841290
Conc: 48.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.991 min
Delta R.T.: -0.005 min
Response: 256410003
Conc: 51.42 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096507.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 12:40
Operator : AR\AJ
Sample : Q2638-01RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-31-071725RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:46:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.824	32179575	53216421	8.819	9.221	
28)	SA Decachlor...	9.020	7.993	16093868	28025035	5.721	5.620	
	Target Compounds							
10)	B gamma-Chl...	5.918	0.000	14476699	0	3.272	N.D.	#
11)	B alpha-Chl...	6.002	5.112	9578304	11372660	2.187	1.512	#
12)	B 4,4'-DDE	6.169	5.302	4580114	8463347	1.235	1.309	
14)	MA Endrin	0.000	5.716	0	5273689	N.D.	0.865	#
16)	A 4,4'-DDD	6.656f	5.846	81560242	22153345	28.011	4.319	#
17)	MA 4,4'-DDT	0.000	6.105	0	3406621	N.D.	0.594	#
23)	Chlordane-1	0.000	3.835	0	7256510	N.D.	30.701	#
24)	Chlordane-2	5.212	0.000	34450658	0	175.966	N.D.	#
25)	Chlordane-3	5.918	0.000	14476699	0	19.649	N.D.	#
26)	Chlordane-4	6.002	5.112	9578304	11372660	10.675	15.135	#

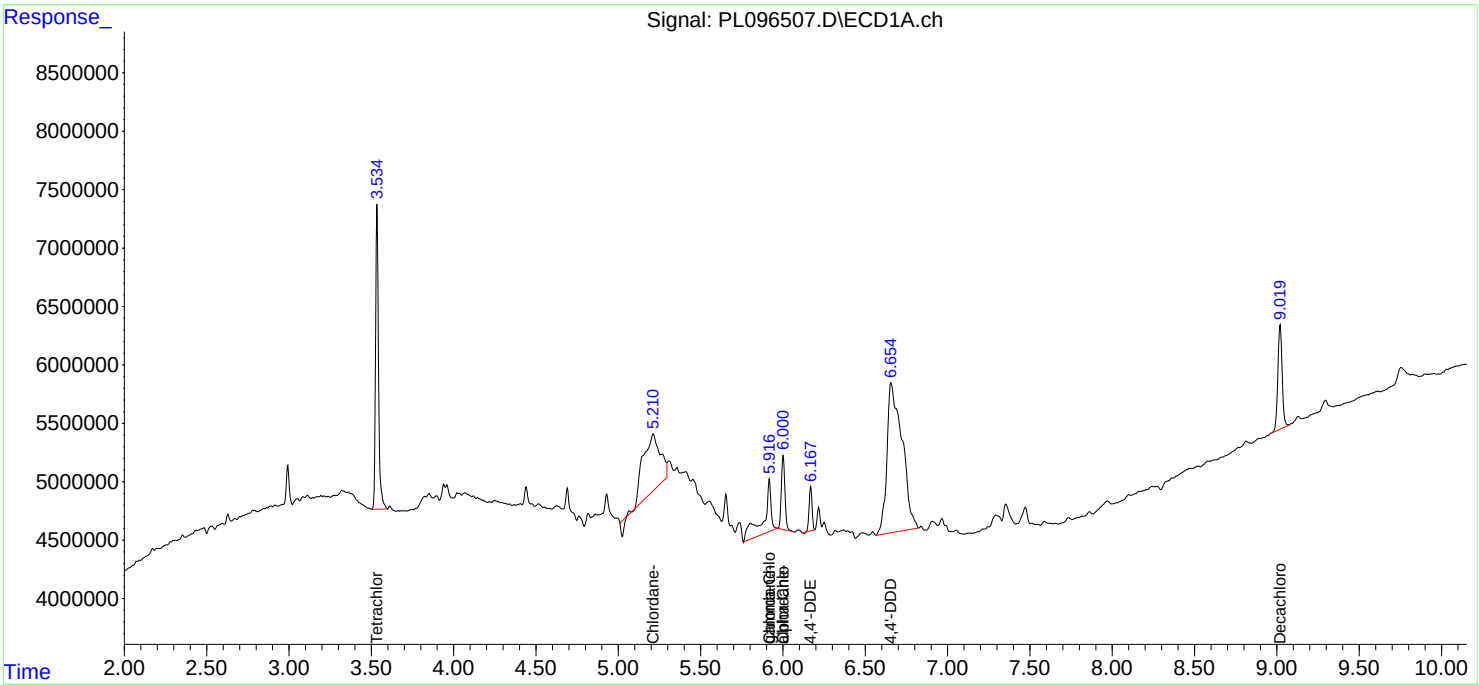
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

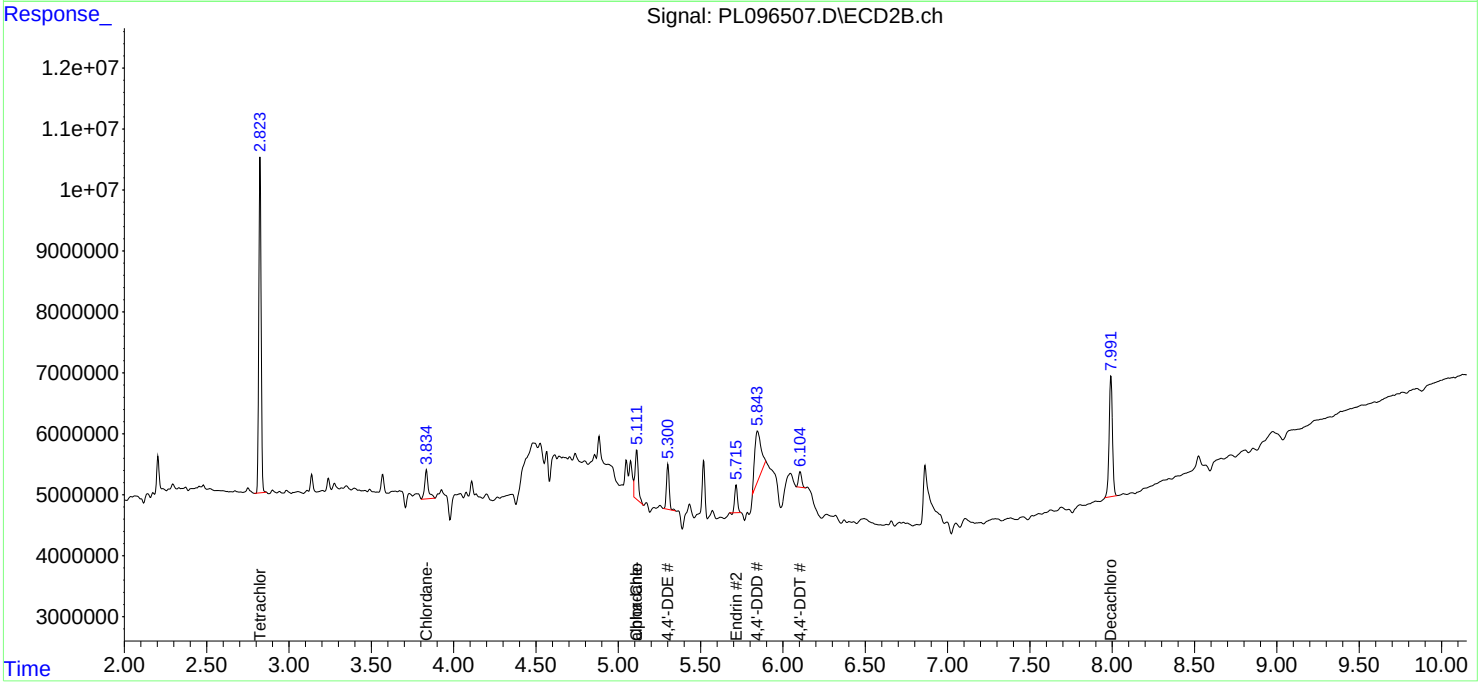
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096507.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 12:40
Operator : AR\AJ
Sample : Q2638-01RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

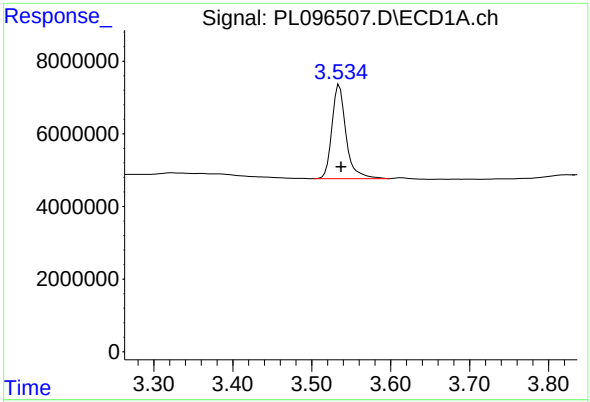
Instrument :
ECD_L
ClientSampleId :
OU4-TS-31-071725RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:46:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



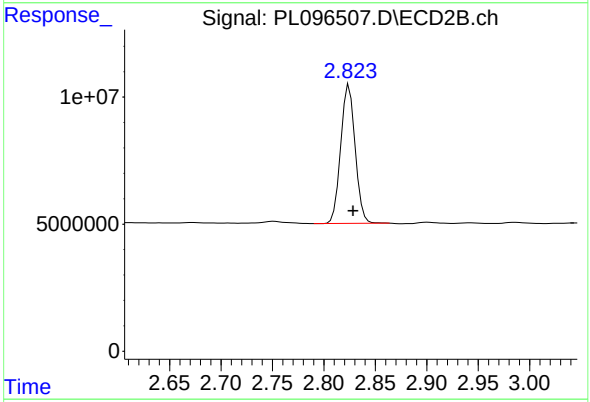




#1 Tetrachloro-m-xylene

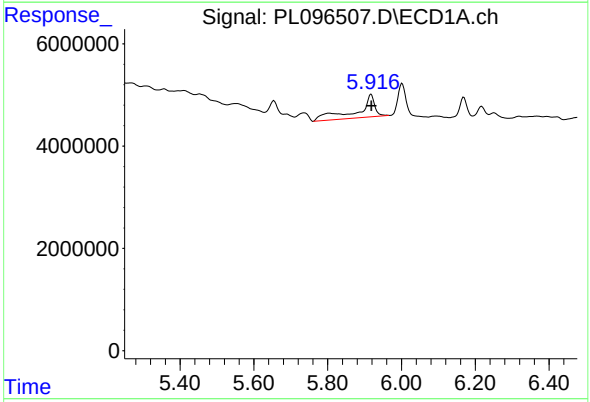
R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 32179575
Conc: 8.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-31-071725RE



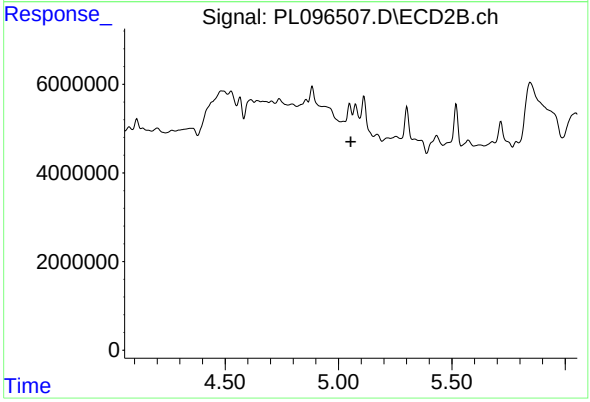
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: -0.004 min
Response: 53216421
Conc: 9.22 ng/ml



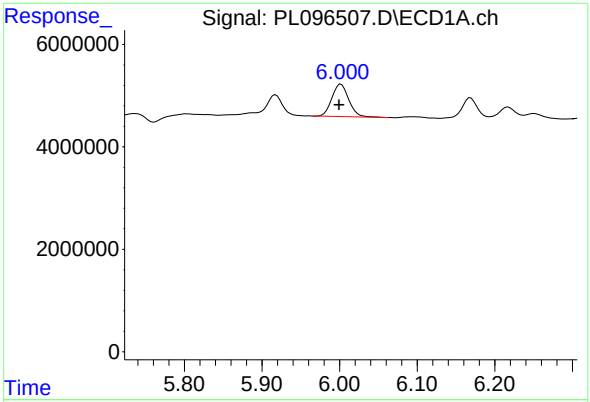
#10 gamma-Chlordane

R.T.: 5.918 min
Delta R.T.: -0.001 min
Response: 14476699
Conc: 3.27 ng/ml



#10 gamma-Chlordane

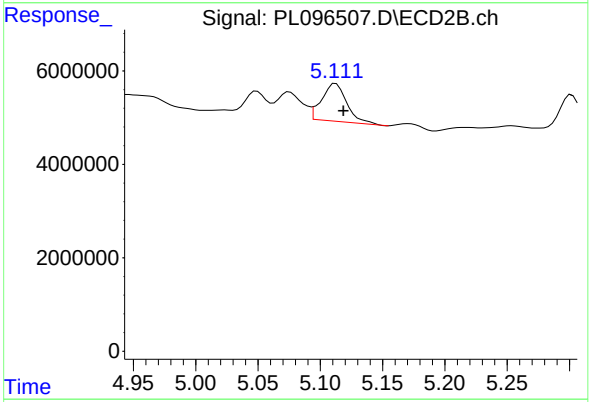
R.T.: 0.000 min
Exp R.T. : 5.054 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

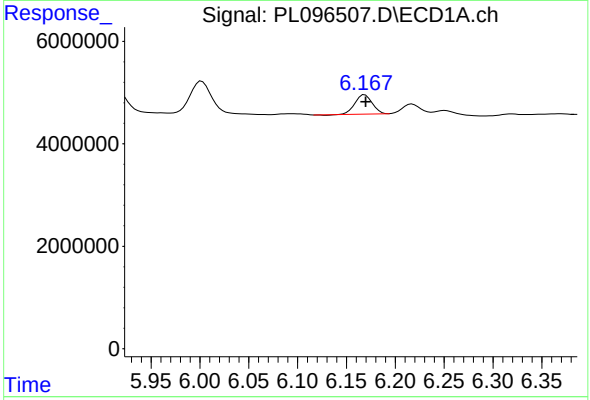
R.T.: 6.002 min
Delta R.T.: 0.002 min
Response: 9578304
Conc: 2.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-31-071725RE



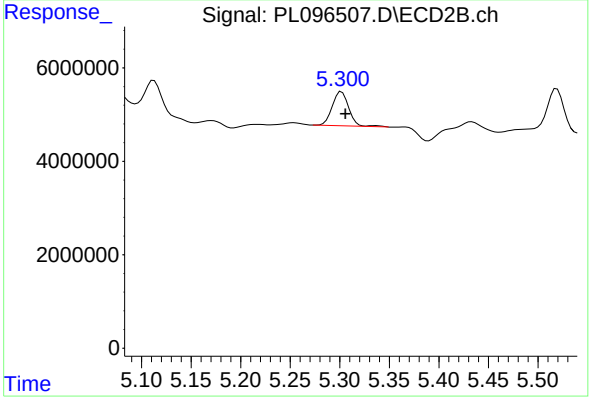
#11 alpha-Chlordane

R.T.: 5.112 min
Delta R.T.: -0.006 min
Response: 11372660
Conc: 1.51 ng/ml



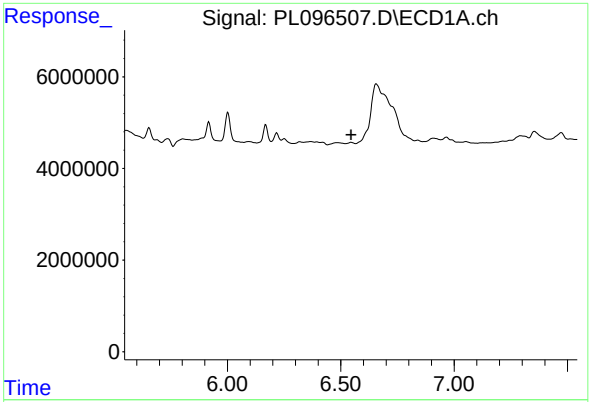
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 4580114
Conc: 1.24 ng/ml



#12 4,4'-DDE

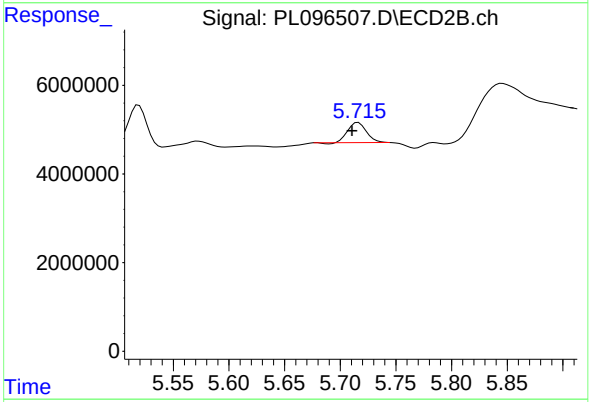
R.T.: 5.302 min
Delta R.T.: -0.004 min
Response: 8463347
Conc: 1.31 ng/ml



#14 Endrin

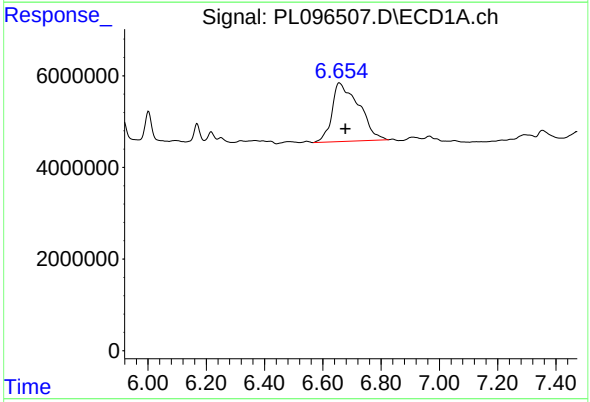
R.T.: 0.000 min
Exp R.T. : 6.545 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-31-071725RE



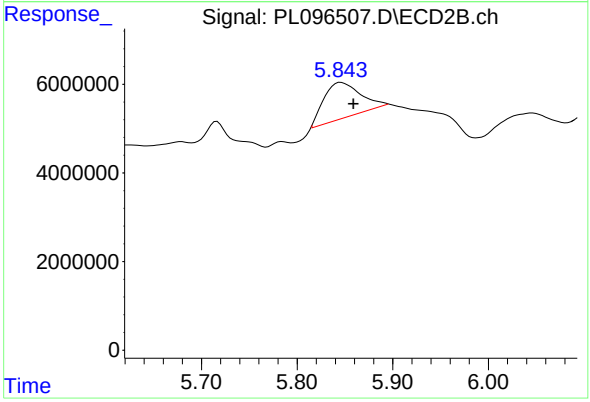
#14 Endrin

R.T.: 5.716 min
Delta R.T.: 0.005 min
Response: 5273689
Conc: 0.87 ng/ml



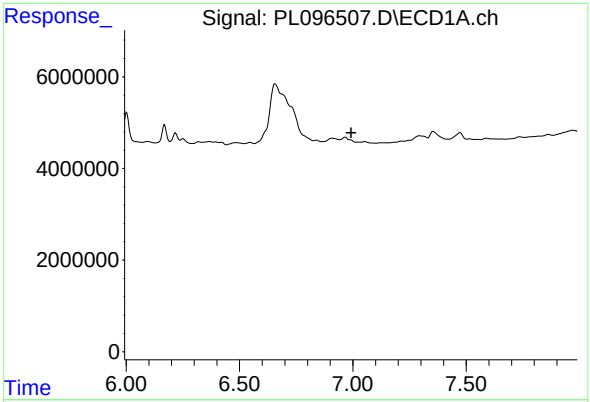
#16 4,4'-DDD

R.T.: 6.656 min
Delta R.T.: -0.021 min
Response: 81560242
Conc: 28.01 ng/ml



#16 4,4'-DDD

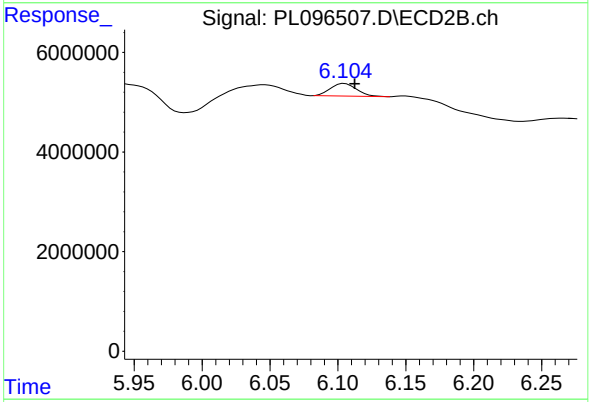
R.T.: 5.846 min
Delta R.T.: -0.013 min
Response: 22153345
Conc: 4.32 ng/ml



#17 4,4'-DDT

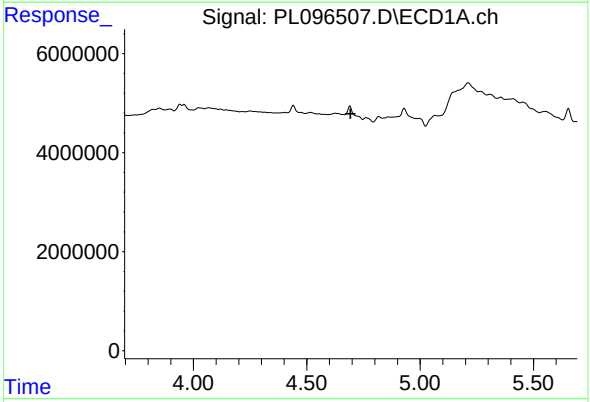
R.T.: 0.000 min
Exp R.T. : 6.992 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-31-071725RE



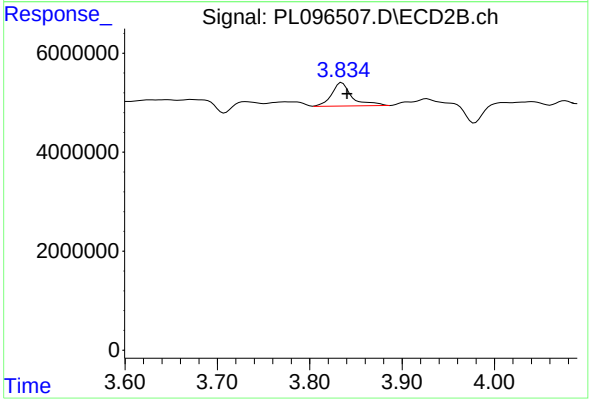
#17 4,4'-DDT

R.T.: 6.105 min
Delta R.T.: -0.008 min
Response: 3406621
Conc: 0.59 ng/ml



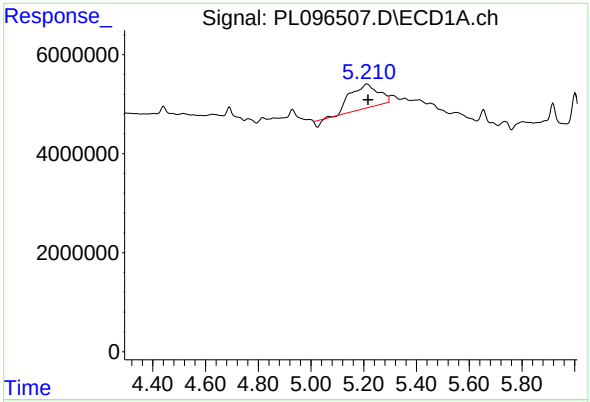
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.693 min
Response: 0
Conc: N.D.



#23 Chlordane-1

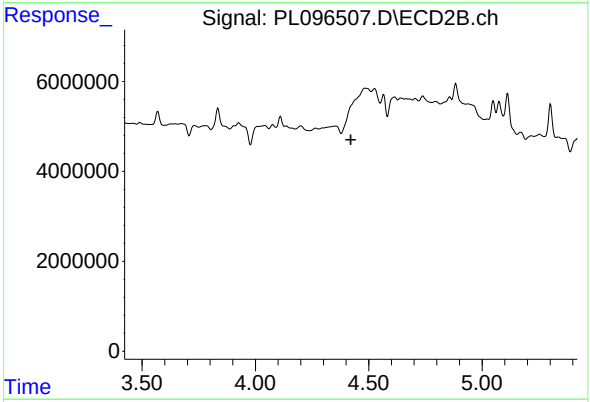
R.T.: 3.835 min
Delta R.T.: -0.006 min
Response: 7256510
Conc: 30.70 ng/ml



#24 Chlordane-2

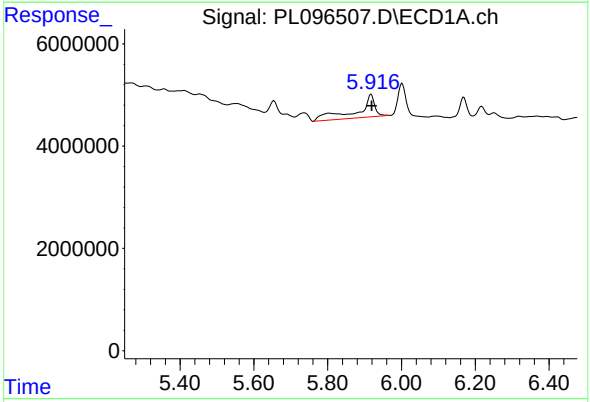
R.T.: 5.212 min
Delta R.T.: -0.005 min
Response: 34450658
Conc: 175.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-31-071725RE



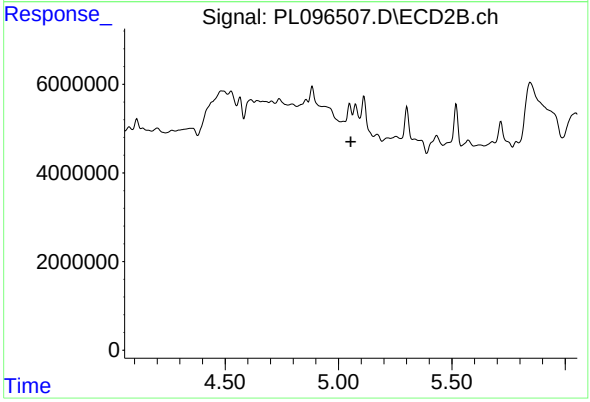
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.420 min
Response: 0
Conc: N.D.



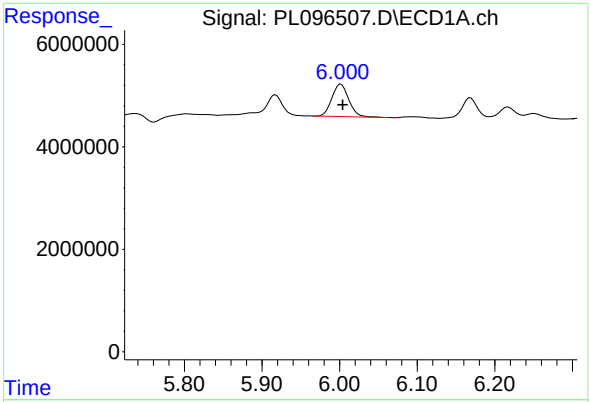
#25 Chlordane-3

R.T.: 5.918 min
Delta R.T.: -0.002 min
Response: 14476699
Conc: 19.65 ng/ml



#25 Chlordane-3

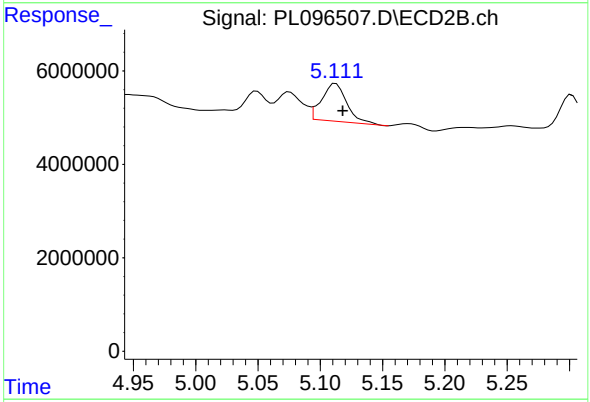
R.T.: 0.000 min
Exp R.T. : 5.055 min
Response: 0
Conc: N.D.



#26 Chlordane-4

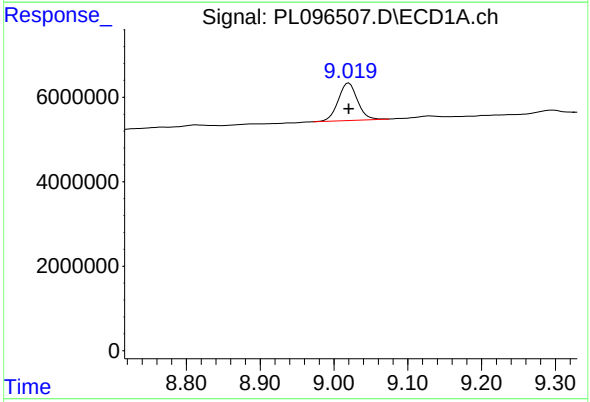
R.T.: 6.002 min
Delta R.T.: -0.002 min
Response: 9578304
Conc: 10.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-31-071725RE



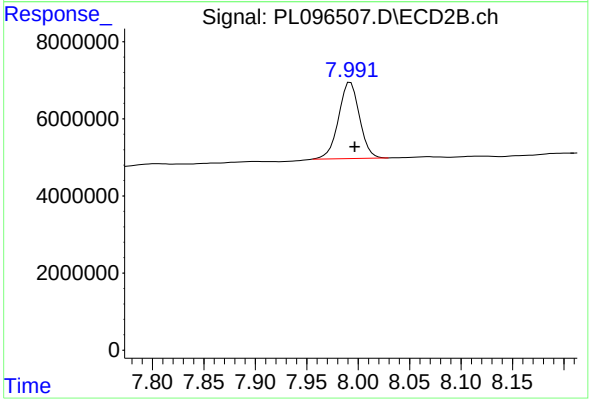
#26 Chlordane-4

R.T.: 5.112 min
Delta R.T.: -0.006 min
Response: 11372660
Conc: 15.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 16093868
Conc: 5.72 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.004 min
Response: 28025035
Conc: 5.62 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096508.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 12:54
Operator : AR\AJ
Sample : Q2638-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : ECD_L
ClientSampleId : OU4-TS-32-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:46:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.534	2.827	71415485	86290236	19.571	14.952	
28)	SA Decachlor...	9.016	7.988	15615349	57356007	5.551	11.502	#
	Target Compounds							
4)	MA Heptachlor	4.928f	4.044f	28349624	5518609	6.188	0.725	#
8)	B Heptachlo...	5.654	0.000	43342476	0	10.446	N.D.	#
9)	A Endosulfan I	0.000	5.183	0	11891094	N.D.	1.657	#
10)	B gamma-Chl...	5.915	5.049	34982081	20912665	7.906	2.979	#
11)	B alpha-Chl...	5.998	5.113	19032783	24089753	4.347	3.203	#
12)	B 4,4'-DDE	6.166	5.303	6270909	9915895	1.691	1.534	
13)	MA Dieldrin	0.000	5.434	0	6821966	N.D.	1.000	#
14)	MA Endrin	0.000	5.716	0	68374330	N.D.	11.215	#
15)	B Endosulfa...	6.740f	0.000	24387832	0	7.028	N.D.	#
16)	A 4,4'-DDD	6.694f	0.000	8652513	0	2.972	N.D.	#
17)	MA 4,4'-DDT	0.000	6.125	0	10507208	N.D.	1.832	#
18)	B Endrin al...	0.000	6.177	0	39168166	N.D.	8.793	#
20)	A Methoxychlor	0.000	6.705f	0	1822926	N.D.	0.600	#
23)	Chlordane-1	0.000	3.838	0	14407109	N.D.	60.954	#
24)	Chlordane-2	5.211	4.417	7687550	19000997	39.266	69.132	#
25)	Chlordane-3	5.915	5.049	34982081	20912665	47.481	25.993	#
26)	Chlordane-4	5.998	5.113	19032783	24089753	21.213	32.059	#

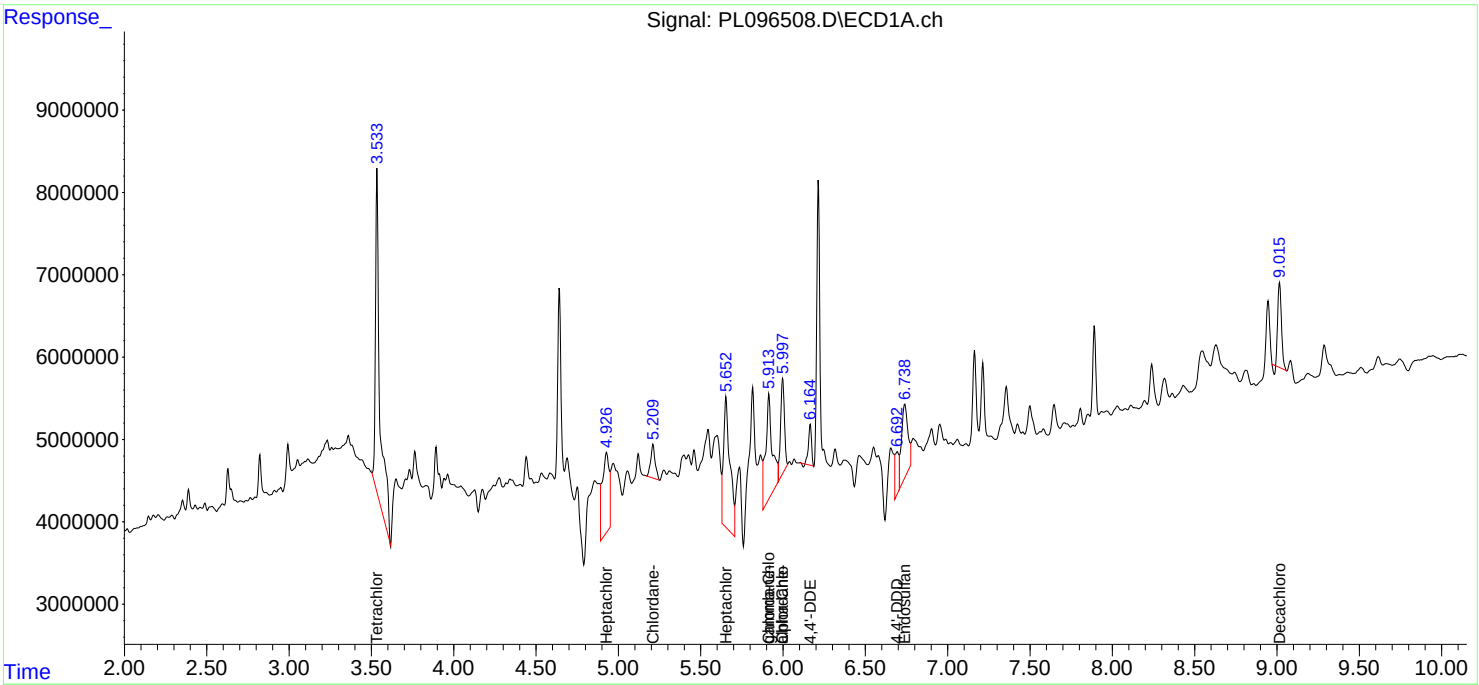
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

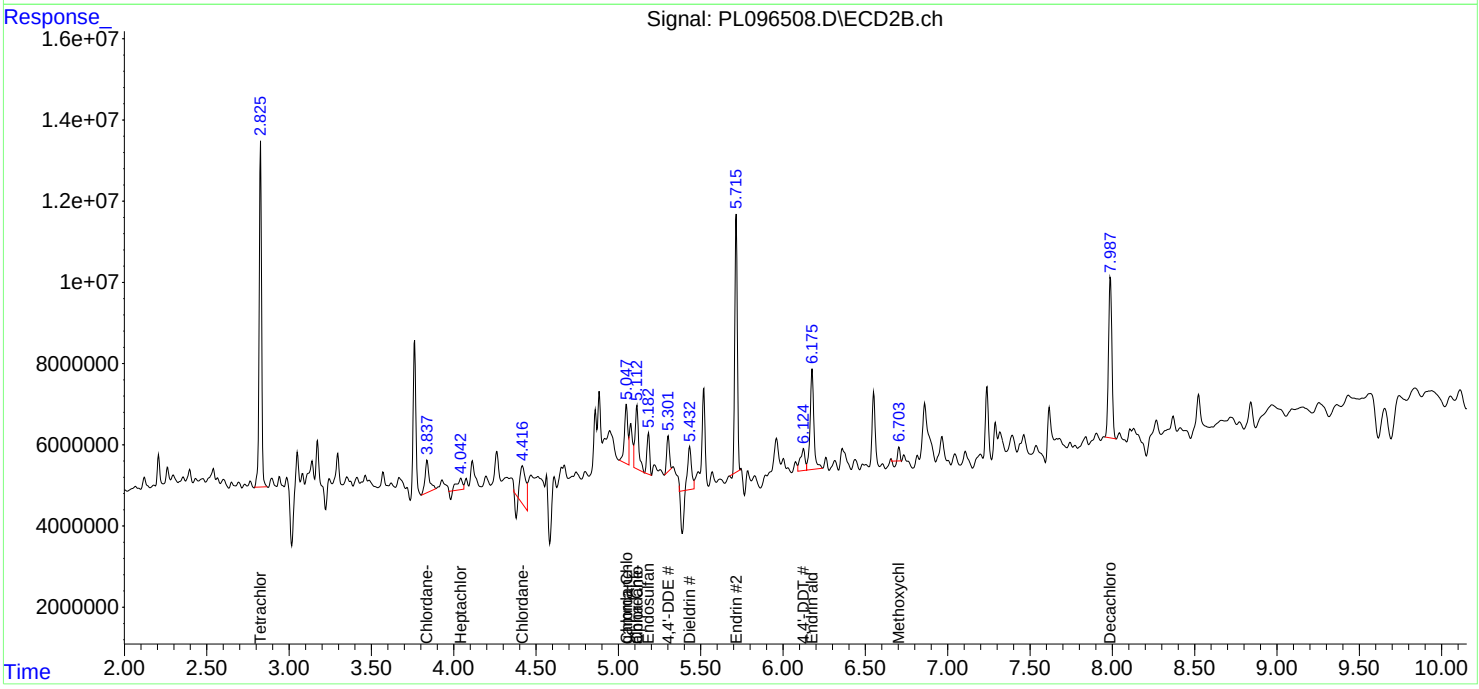
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096508.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 12:54
Operator : AR\AJ
Sample : Q2638-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

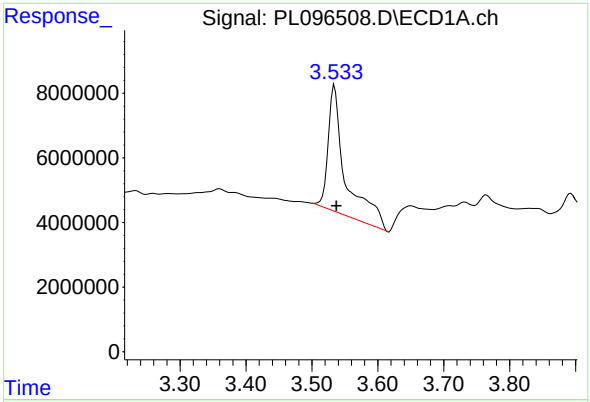
Instrument :
ECD_L
ClientSampleId :
OU4-TS-32-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:46:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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



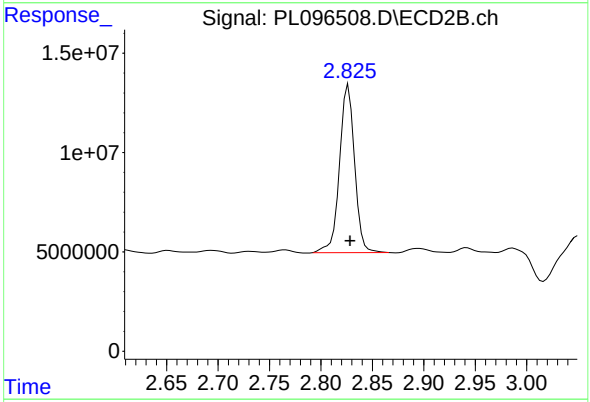




#1 Tetrachloro-m-xylene

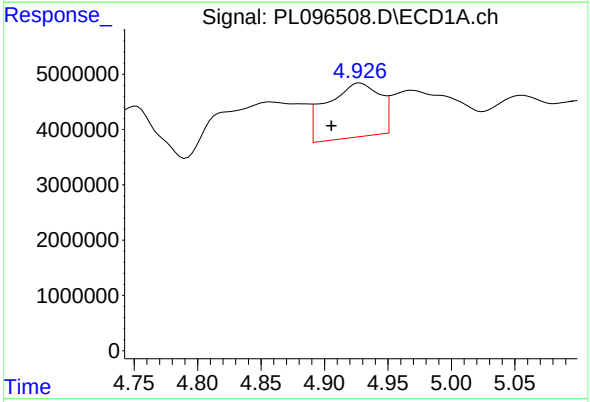
R.T.: 3.534 min
Delta R.T.: -0.003 min
Response: 71415485
Conc: 19.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-32-071725



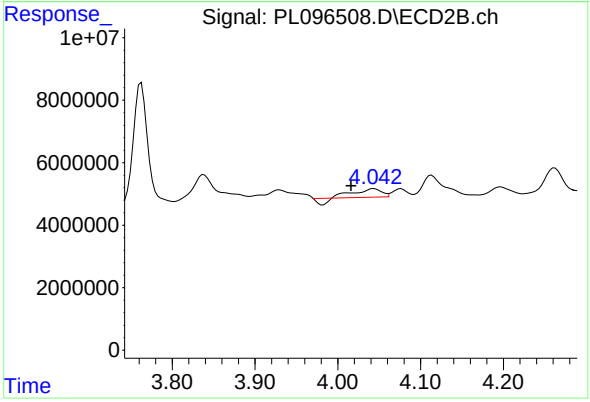
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.002 min
Response: 86290236
Conc: 14.95 ng/ml



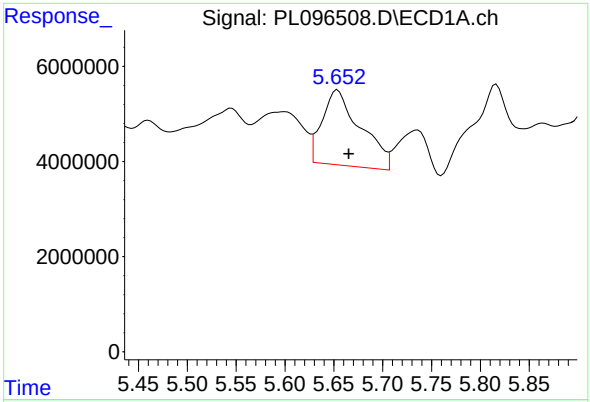
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: 0.023 min
Response: 28349624
Conc: 6.19 ng/ml



#4 Heptachlor

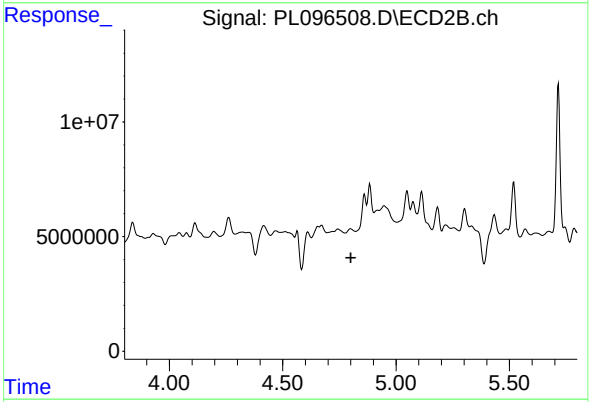
R.T.: 4.044 min
Delta R.T.: 0.028 min
Response: 5518609
Conc: 0.73 ng/ml



#8 Heptachlor epoxide

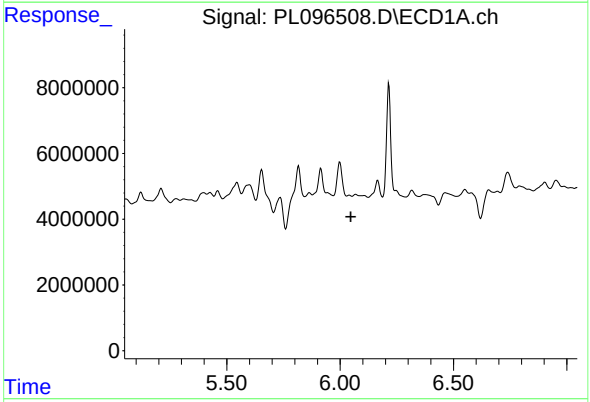
R.T.: 5.654 min
Delta R.T.: -0.011 min
Response: 43342476
Conc: 10.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-32-071725



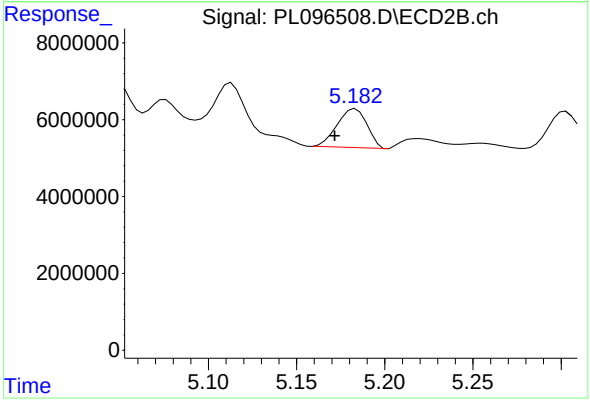
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 4.800 min
Response: 0
Conc: N.D.



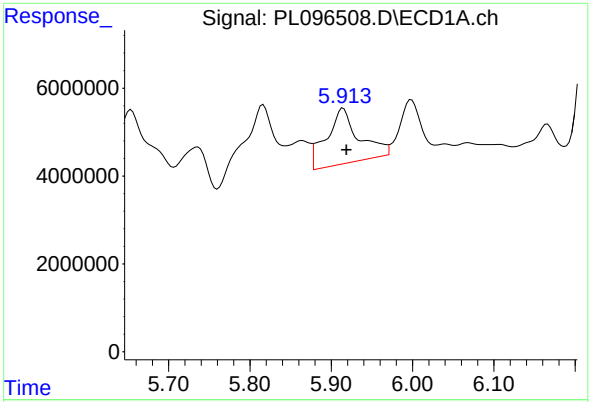
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T. : 6.047 min
Response: 0
Conc: N.D.



#9 Endosulfan I

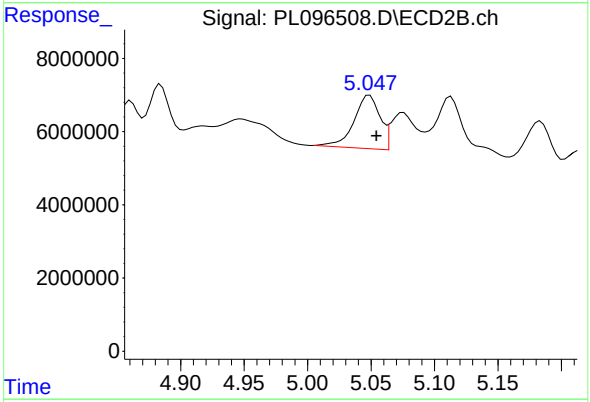
R.T.: 5.183 min
Delta R.T.: 0.012 min
Response: 11891094
Conc: 1.66 ng/ml



#10 gamma-Chlordane

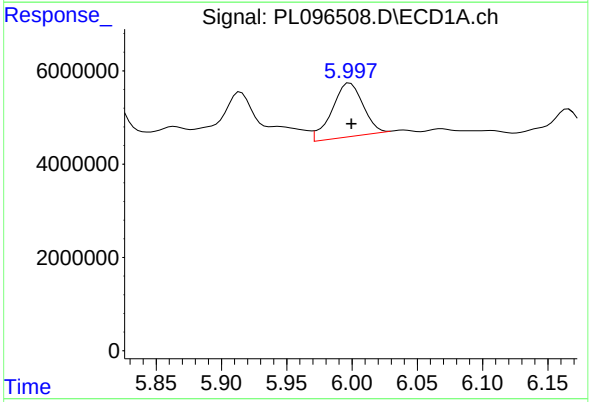
R.T.: 5.915 min
Delta R.T.: -0.004 min
Response: 34982081
Conc: 7.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-32-071725



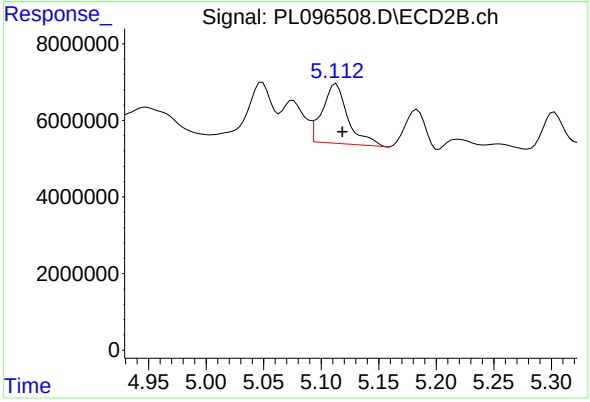
#10 gamma-Chlordane

R.T.: 5.049 min
Delta R.T.: -0.005 min
Response: 20912665
Conc: 2.98 ng/ml



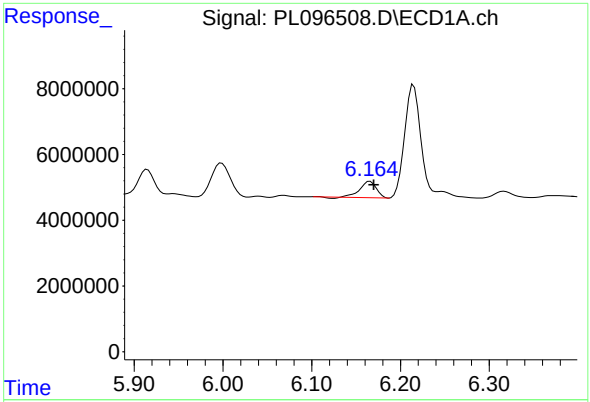
#11 alpha-Chlordane

R.T.: 5.998 min
Delta R.T.: -0.001 min
Response: 19032783
Conc: 4.35 ng/ml



#11 alpha-Chlordane

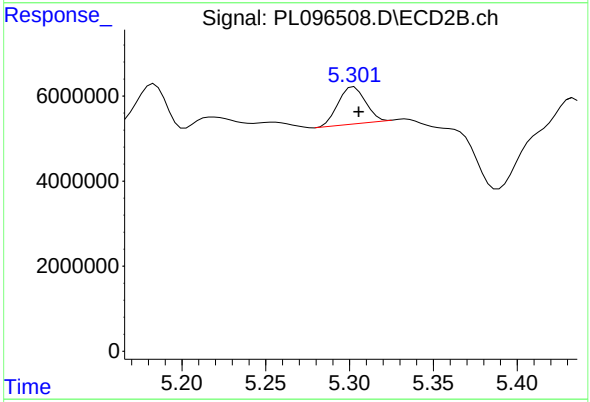
R.T.: 5.113 min
Delta R.T.: -0.006 min
Response: 24089753
Conc: 3.20 ng/ml



#12 4,4'-DDE

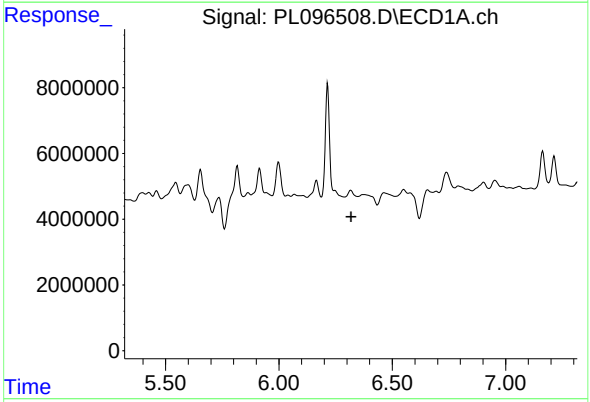
R.T.: 6.166 min
Delta R.T.: -0.004 min
Response: 6270909
Conc: 1.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-32-071725



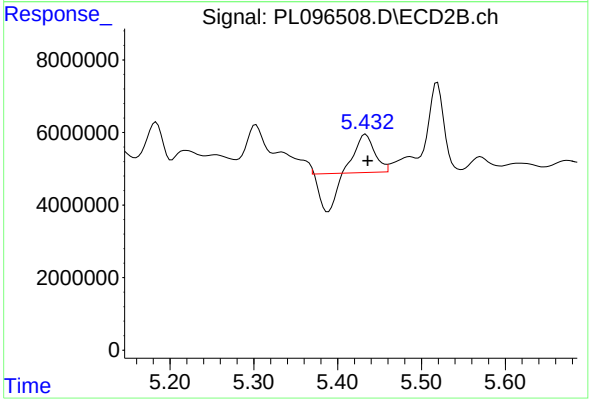
#12 4,4'-DDE

R.T.: 5.303 min
Delta R.T.: -0.003 min
Response: 9915895
Conc: 1.53 ng/ml



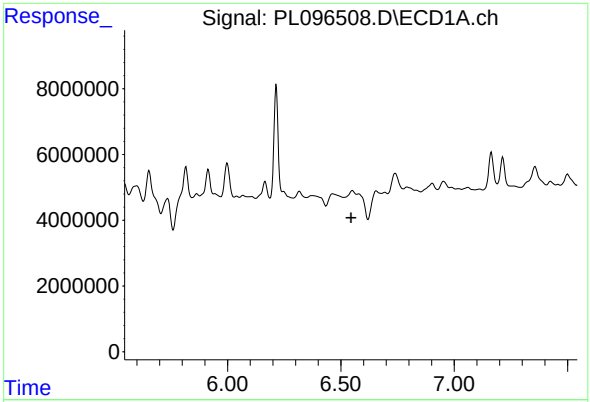
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.319 min
Response: 0
Conc: N.D.



#13 Dieldrin

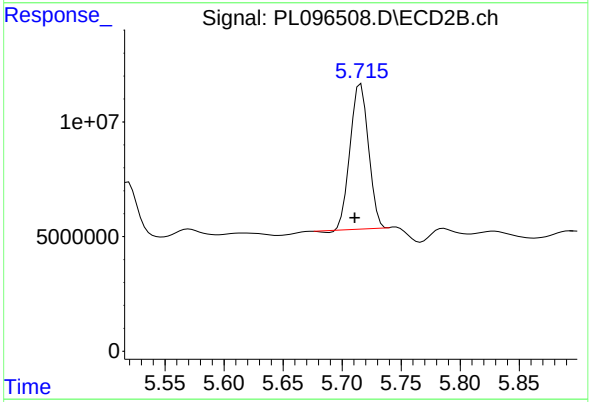
R.T.: 5.434 min
Delta R.T.: -0.003 min
Response: 6821966
Conc: 1.00 ng/ml



#14 Endrin

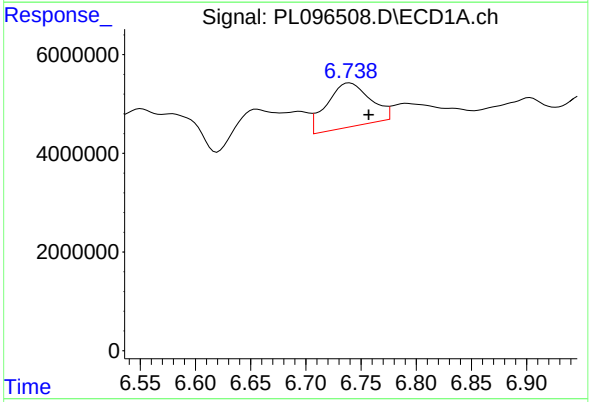
R.T.: 0.000 min
Exp R.T. : 6.545 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-32-071725



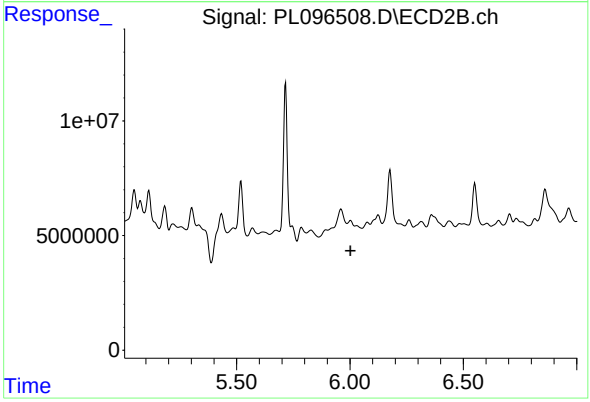
#14 Endrin

R.T.: 5.716 min
Delta R.T.: 0.005 min
Response: 68374330
Conc: 11.22 ng/ml



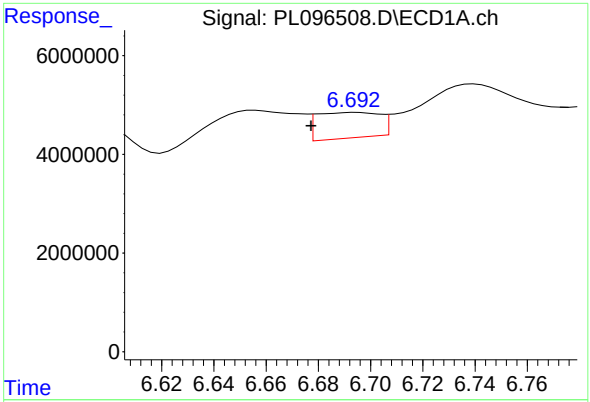
#15 Endosulfan II

R.T.: 6.740 min
Delta R.T.: -0.017 min
Response: 24387832
Conc: 7.03 ng/ml



#15 Endosulfan II

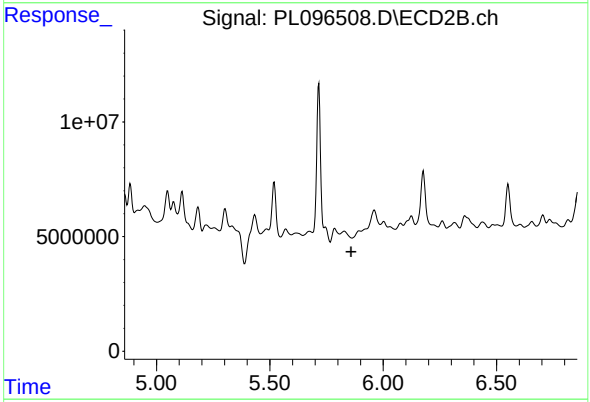
R.T.: 0.000 min
Exp R.T. : 6.003 min
Response: 0
Conc: N.D.



#16 4,4'-DDD

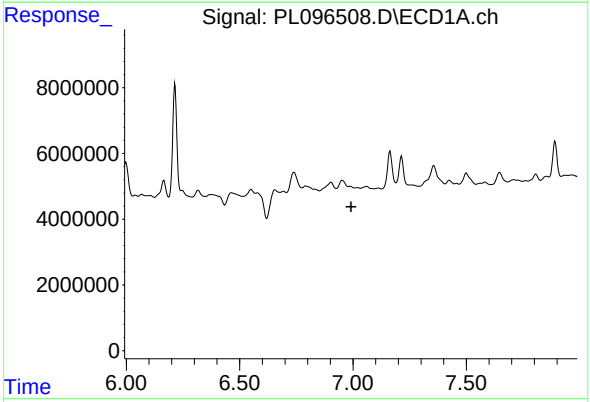
R.T.: 6.694 min
Delta R.T.: 0.017 min
Response: 8652513
Conc: 2.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-32-071725



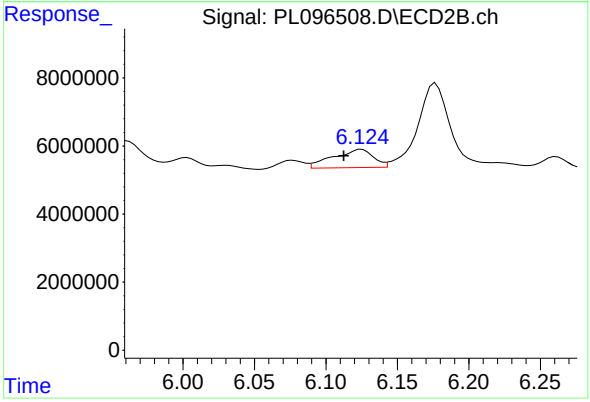
#16 4,4'-DDD

R.T.: 0.000 min
Exp R.T. : 5.859 min
Response: 0
Conc: N.D.



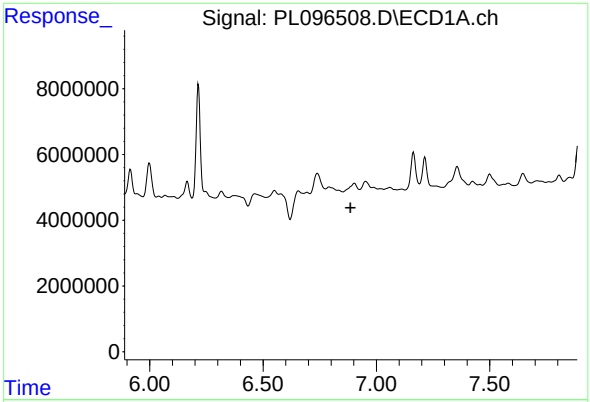
#17 4,4'-DDT

R.T.: 0.000 min
Exp R.T. : 6.992 min
Response: 0
Conc: N.D.



#17 4,4'-DDT

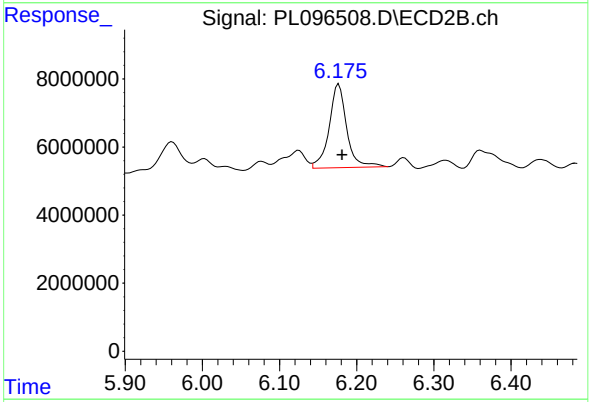
R.T.: 6.125 min
Delta R.T.: 0.012 min
Response: 10507208
Conc: 1.83 ng/ml



#18 Endrin aldehyde

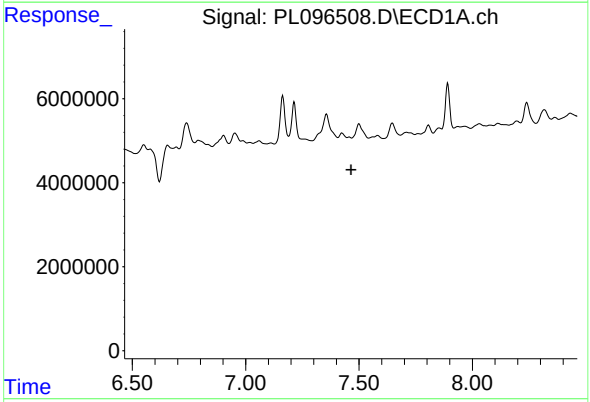
R.T.: 0.000 min
Exp R.T. : 6.886 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-32-071725



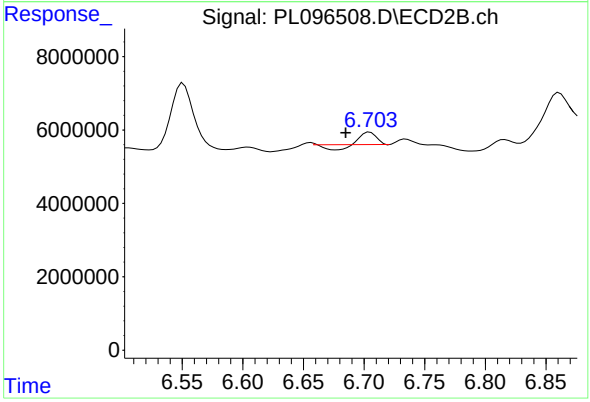
#18 Endrin aldehyde

R.T.: 6.177 min
Delta R.T.: -0.004 min
Response: 39168166
Conc: 8.79 ng/ml



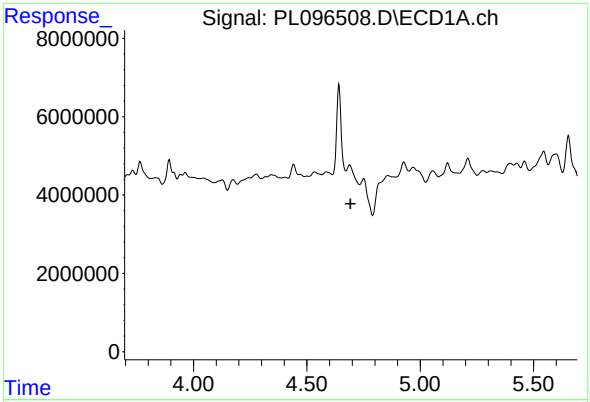
#20 Methoxychlor

R.T.: 0.000 min
Exp R.T. : 7.465 min
Response: 0
Conc: N.D.



#20 Methoxychlor

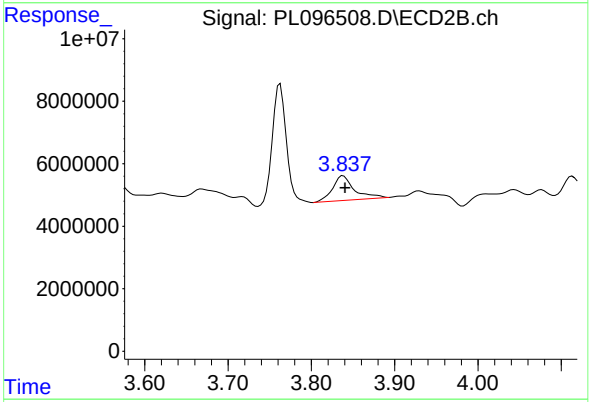
R.T.: 6.705 min
Delta R.T.: 0.020 min
Response: 1822926
Conc: 0.60 ng/ml



#23 Chlordane-1

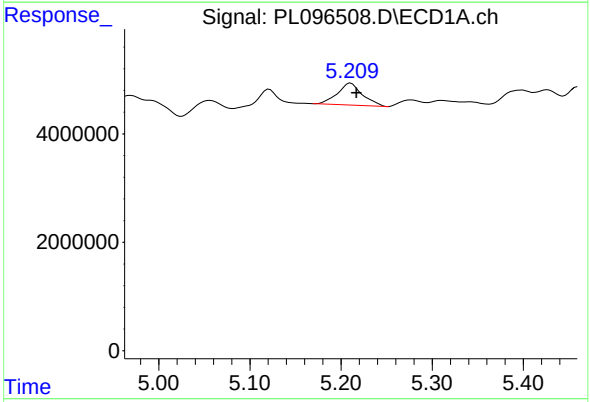
R.T.: 0.000 min
Exp R.T. : 4.693 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-32-071725



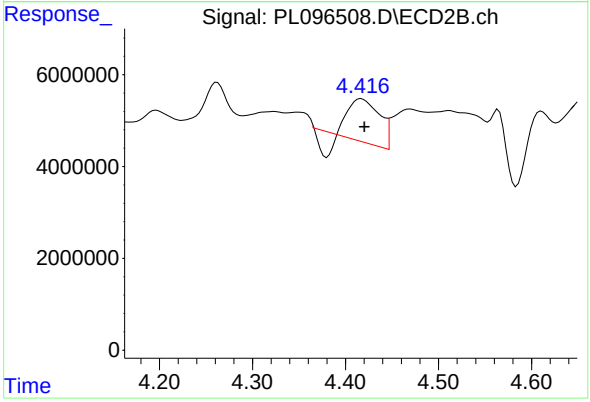
#23 Chlordane-1

R.T.: 3.838 min
Delta R.T.: -0.002 min
Response: 14407109
Conc: 60.95 ng/ml



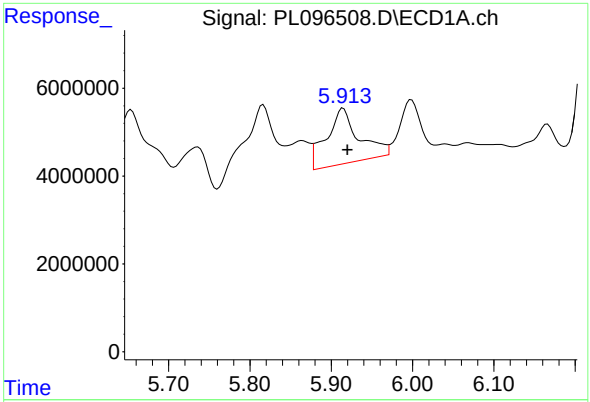
#24 Chlordane-2

R.T.: 5.211 min
Delta R.T.: -0.006 min
Response: 7687550
Conc: 39.27 ng/ml



#24 Chlordane-2

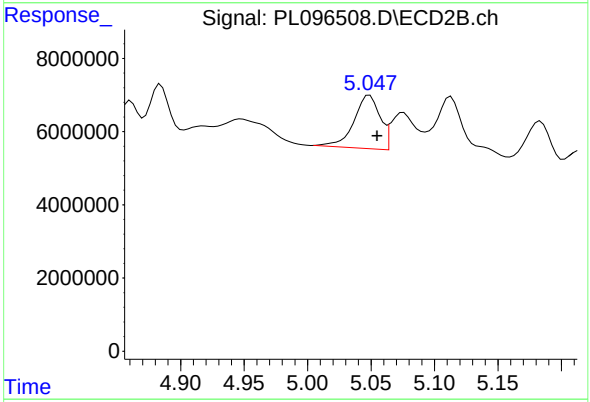
R.T.: 4.417 min
Delta R.T.: -0.003 min
Response: 19000997
Conc: 69.13 ng/ml



#25 Chlordane-3

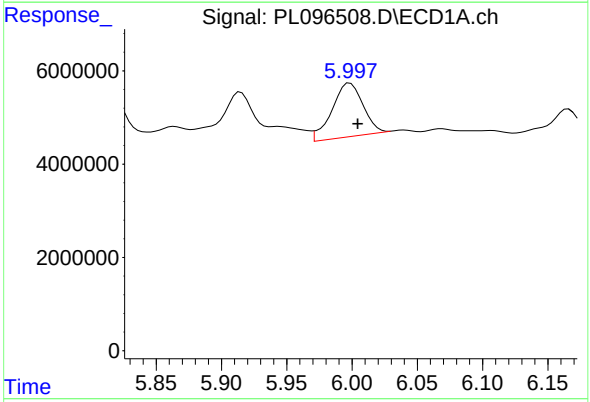
R.T.: 5.915 min
Delta R.T.: -0.005 min
Response: 34982081
Conc: 47.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-32-071725



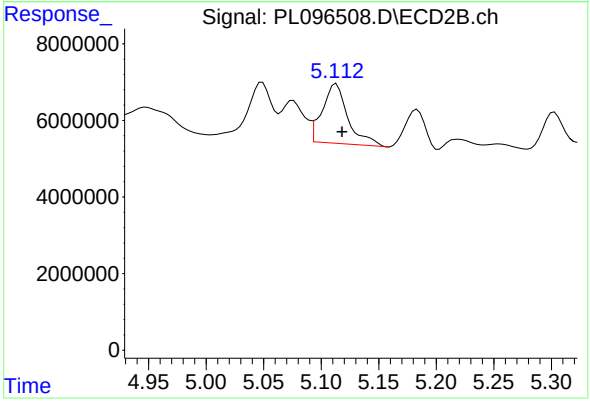
#25 Chlordane-3

R.T.: 5.049 min
Delta R.T.: -0.006 min
Response: 20912665
Conc: 25.99 ng/ml



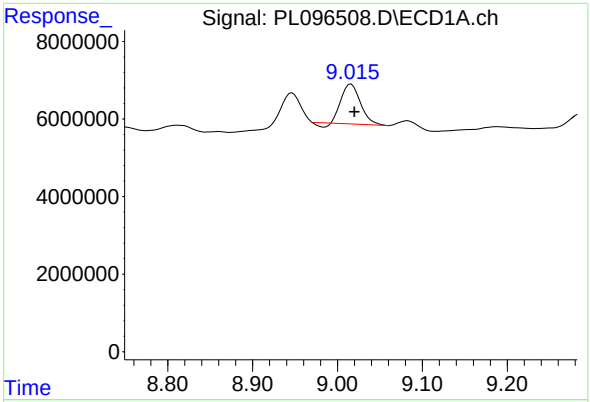
#26 Chlordane-4

R.T.: 5.998 min
Delta R.T.: -0.006 min
Response: 19032783
Conc: 21.21 ng/ml



#26 Chlordane-4

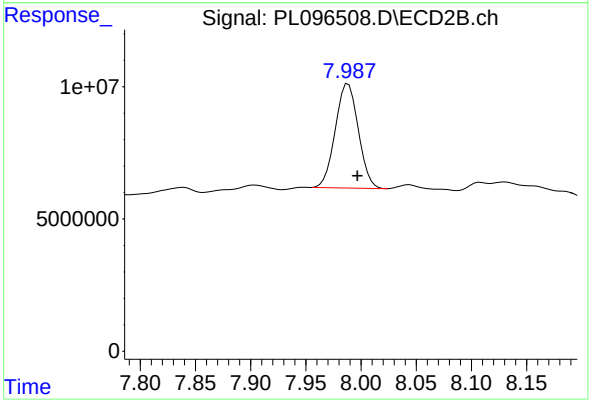
R.T.: 5.113 min
Delta R.T.: -0.005 min
Response: 24089753
Conc: 32.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: -0.004 min
Response: 15615349
Conc: 5.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-32-071725



#28 Decachlorobiphenyl

R.T.: 7.988 min
Delta R.T.: -0.008 min
Response: 57356007
Conc: 11.50 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096509.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 13:07
Operator : AR\AJ
Sample : Q2638-05RE
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-33-071725RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:47:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.827	37921190	63810245	10.392	11.057	
28)	SA Decachlor...	9.015	7.991	21233337	38980556	7.548	7.817	
	Target Compounds							
10)	B gamma-Chl...	5.915	0.000	13572162	0	3.067	N.D.	#
11)	B alpha-Chl...	5.998	5.114	9509253	10007081	2.172	1.331	#
12)	B 4,4'-DDE	6.166	5.302	4444757	6933892	1.199	1.073	
14)	MA Endrin	0.000	5.716	0	34634392	N.D.	5.681	#
15)	B Endosulfa...	6.740f	0.000	36187493	0	10.429	N.D.	#
18)	B Endrin al...	0.000	6.174	0	19379642	N.D.	4.350	#
23)	Chlordane-1	0.000	3.837	0	6502558	N.D.	27.511	#
24)	Chlordane-2	0.000	4.417	0	7986937	N.D.	29.059	#
25)	Chlordane-3	5.915	0.000	13572162	0	18.422	N.D.	#
26)	Chlordane-4	5.998	5.114	9509253	10007081	10.598	13.317	#

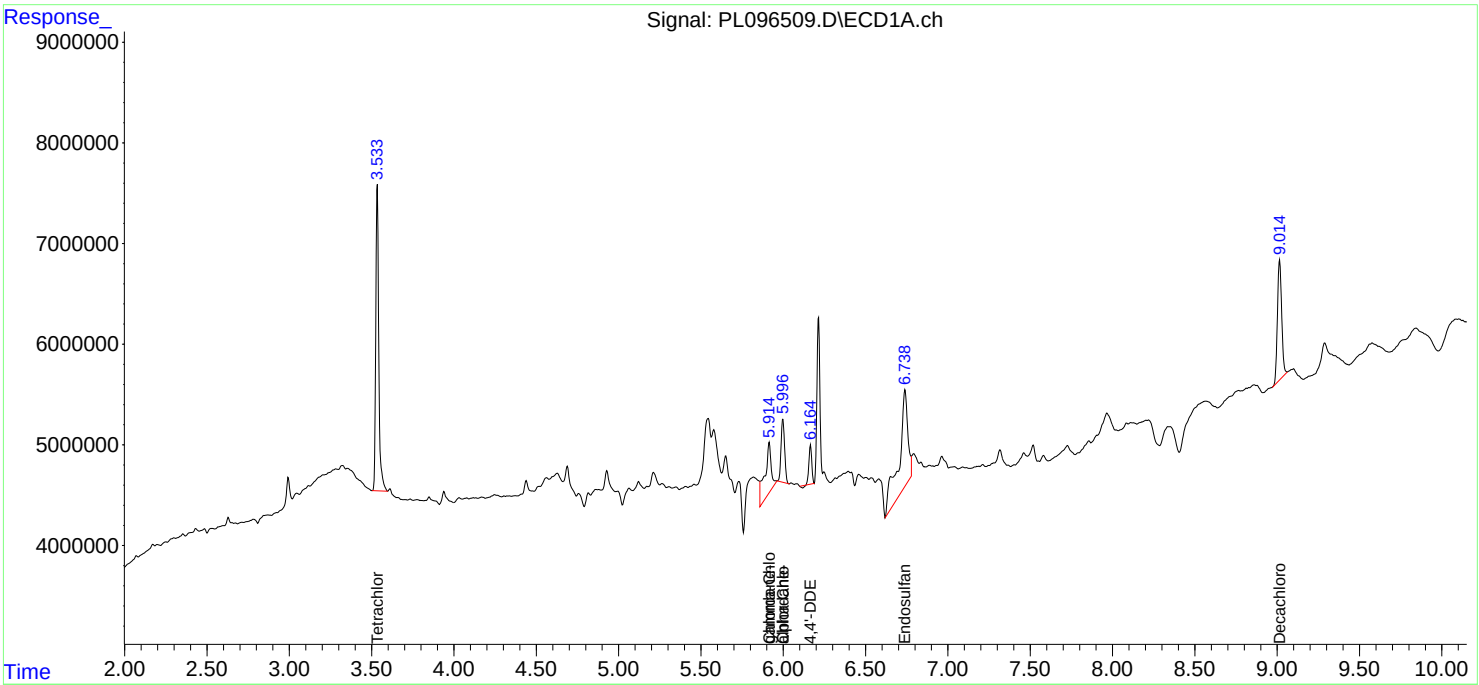
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

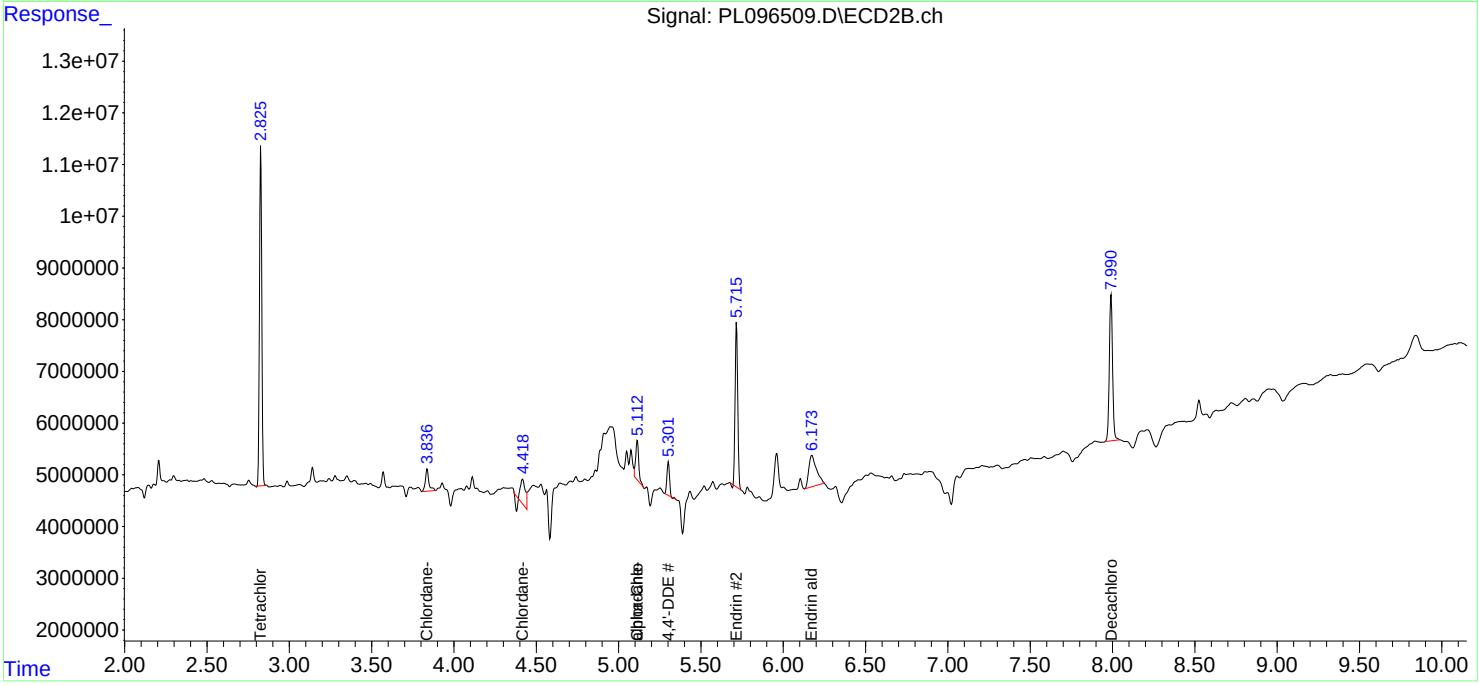
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096509.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 13:07
Operator : AR\AJ
Sample : Q2638-05RE
Misc :
ALS Vial : 7 Sample Multiplier: 1

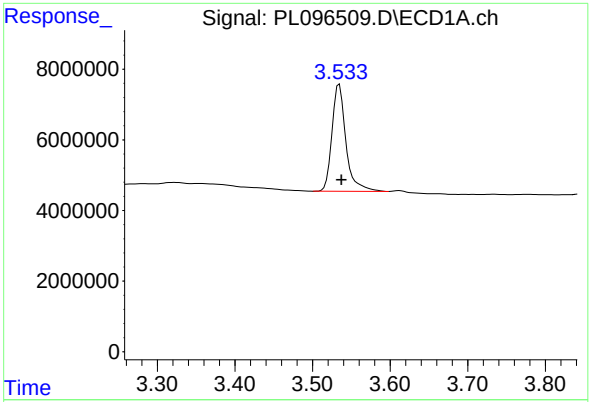
Instrument :
ECD_L
ClientSampleId :
OU4-TS-33-071725RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:47:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



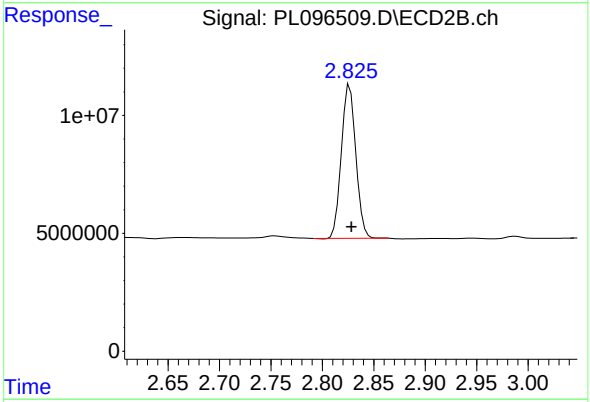




#1 Tetrachloro-m-xylene

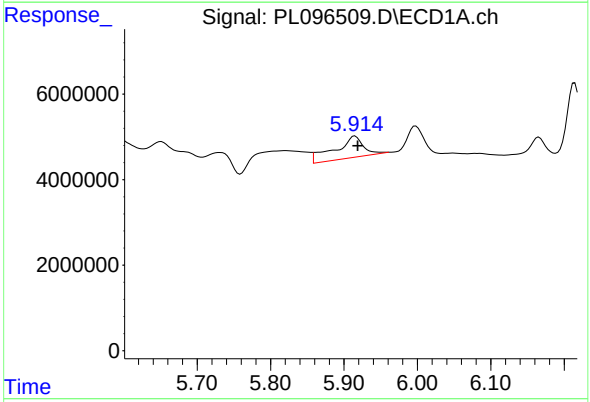
R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 37921190
Conc: 10.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-33-071725RE



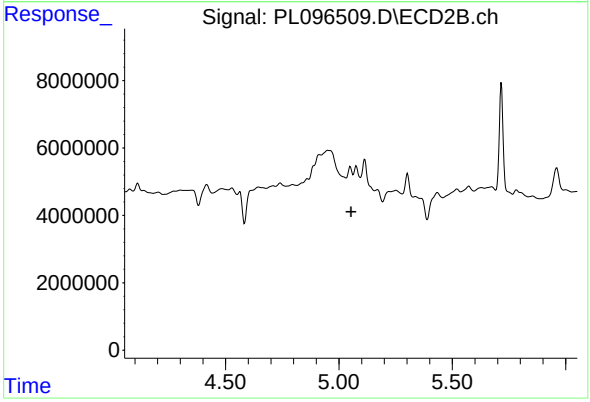
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.002 min
Response: 63810245
Conc: 11.06 ng/ml



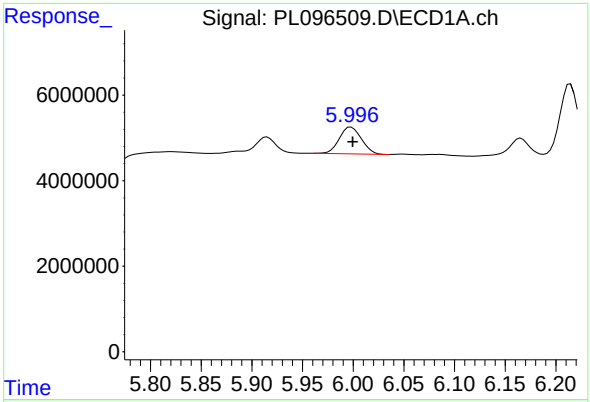
#10 gamma-Chlordane

R.T.: 5.915 min
Delta R.T.: -0.004 min
Response: 13572162
Conc: 3.07 ng/ml



#10 gamma-Chlordane

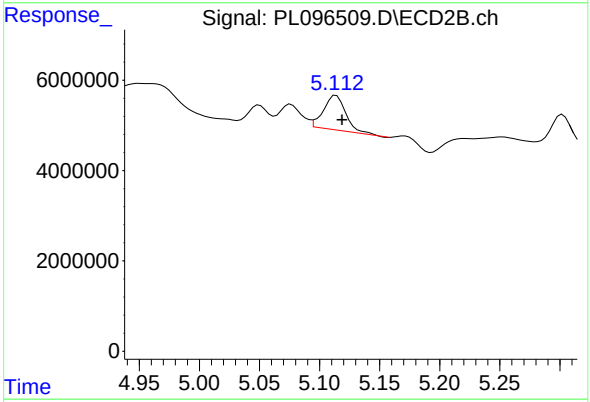
R.T.: 0.000 min
Exp R.T. : 5.054 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

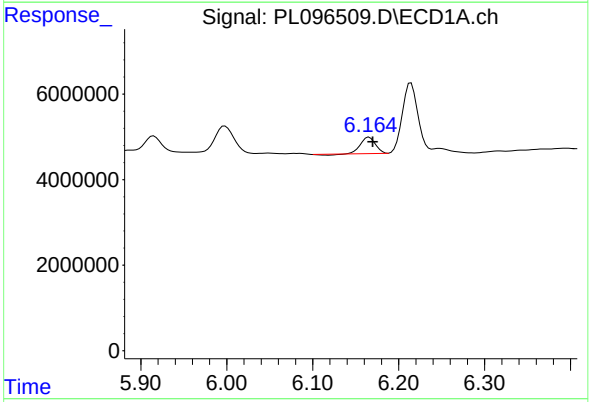
R.T.: 5.998 min
Delta R.T.: -0.002 min
Response: 9509253
Conc: 2.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-33-071725RE



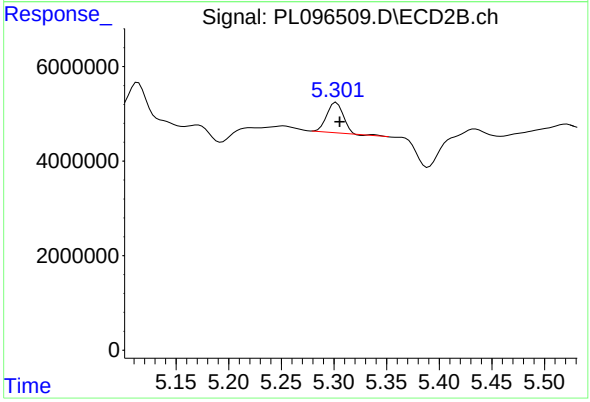
#11 alpha-Chlordane

R.T.: 5.114 min
Delta R.T.: -0.005 min
Response: 10007081
Conc: 1.33 ng/ml



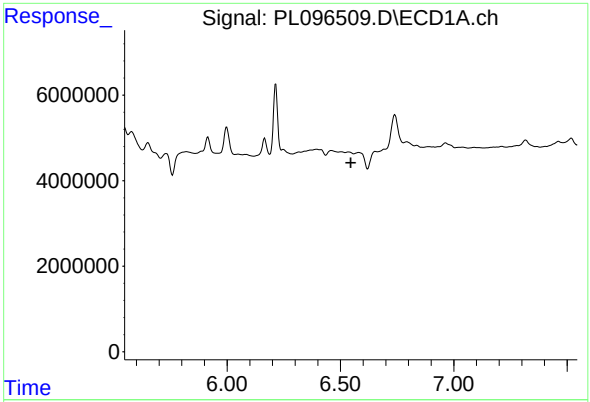
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: -0.004 min
Response: 4444757
Conc: 1.20 ng/ml



#12 4,4'-DDE

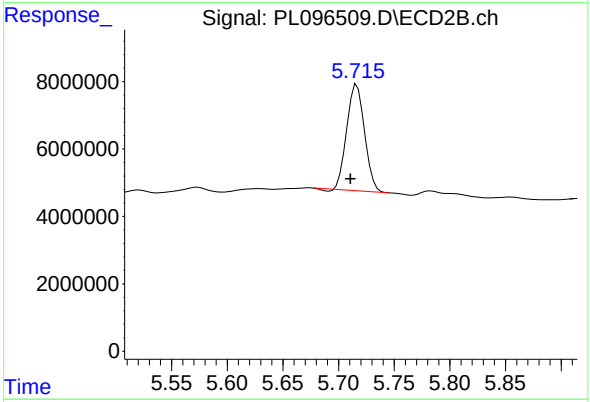
R.T.: 5.302 min
Delta R.T.: -0.003 min
Response: 6933892
Conc: 1.07 ng/ml



#14 Endrin

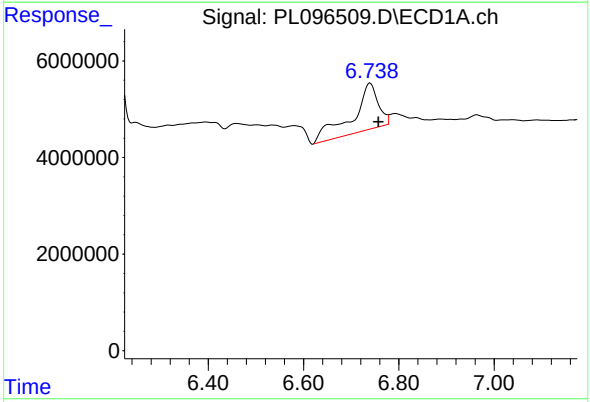
R.T.: 0.000 min
Exp R.T. : 6.545 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-33-071725RE



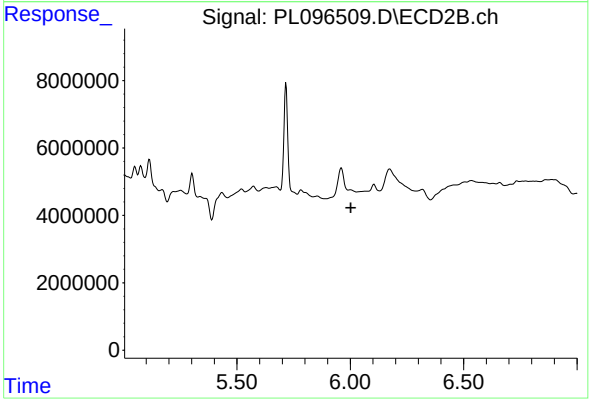
#14 Endrin

R.T.: 5.716 min
Delta R.T.: 0.006 min
Response: 34634392
Conc: 5.68 ng/ml



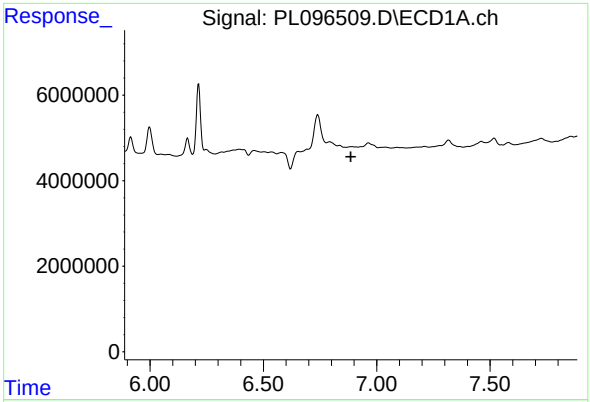
#15 Endosulfan II

R.T.: 6.740 min
Delta R.T.: -0.017 min
Response: 36187493
Conc: 10.43 ng/ml



#15 Endosulfan II

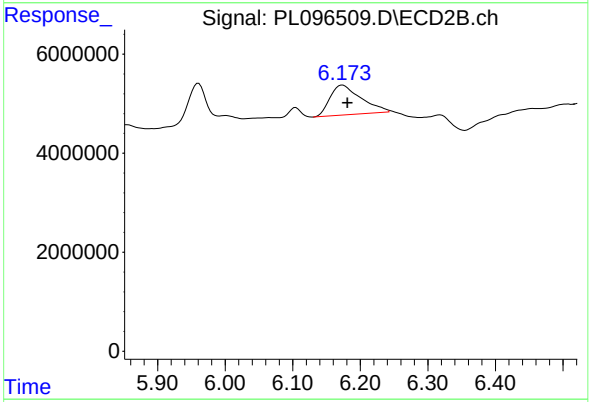
R.T.: 0.000 min
Exp R.T. : 6.003 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

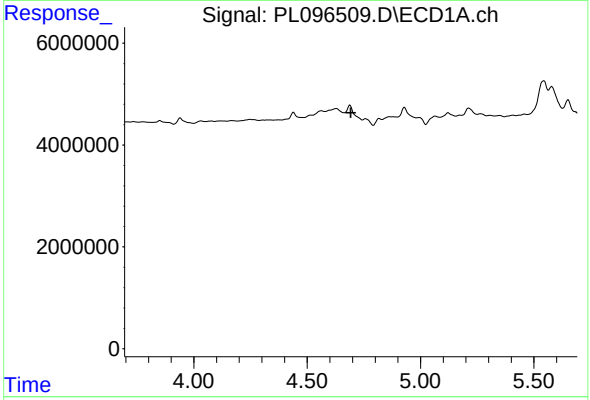
R.T.: 0.000 min
Exp R.T. : 6.886 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-33-071725RE



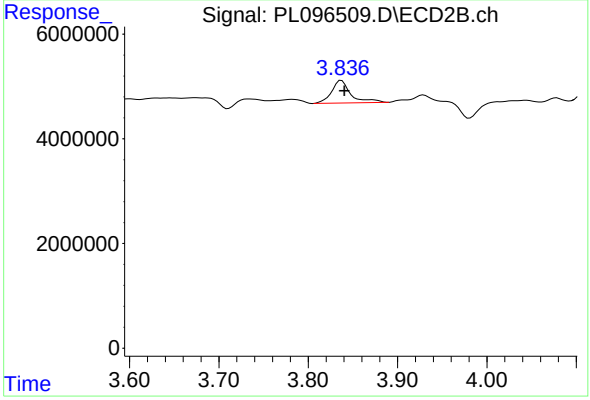
#18 Endrin aldehyde

R.T.: 6.174 min
Delta R.T.: -0.007 min
Response: 19379642
Conc: 4.35 ng/ml



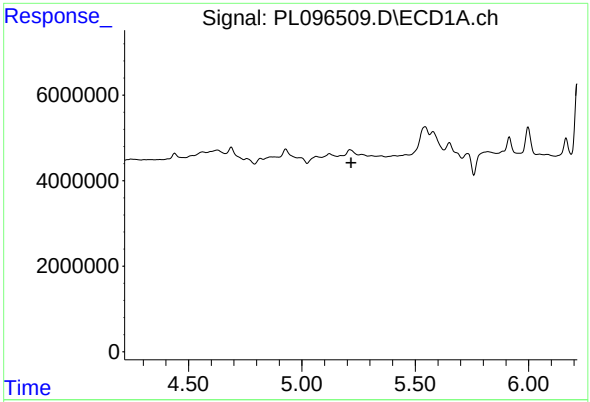
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.693 min
Response: 0
Conc: N.D.



#23 Chlordane-1

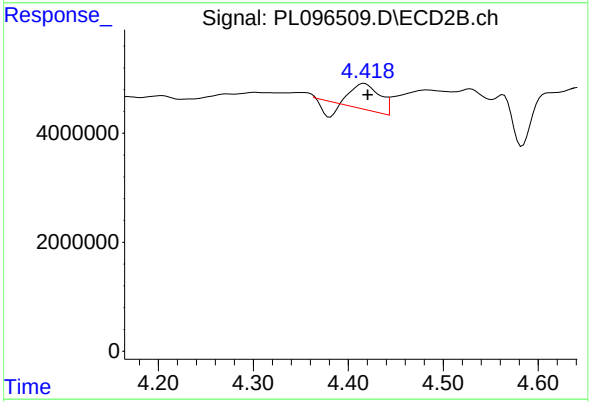
R.T.: 3.837 min
Delta R.T.: -0.003 min
Response: 6502558
Conc: 27.51 ng/ml



#24 Chlordane-2

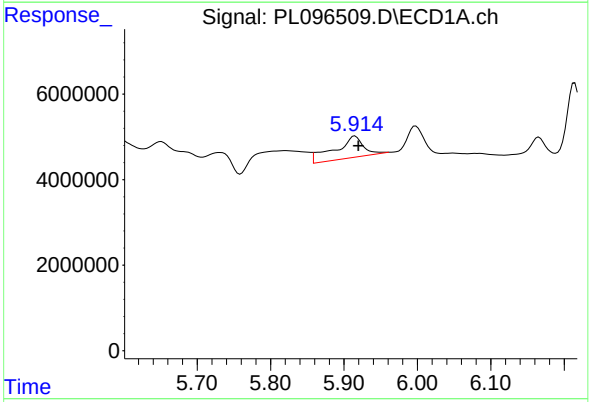
R.T.: 0.000 min
Exp R.T. : 5.217 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-33-071725RE



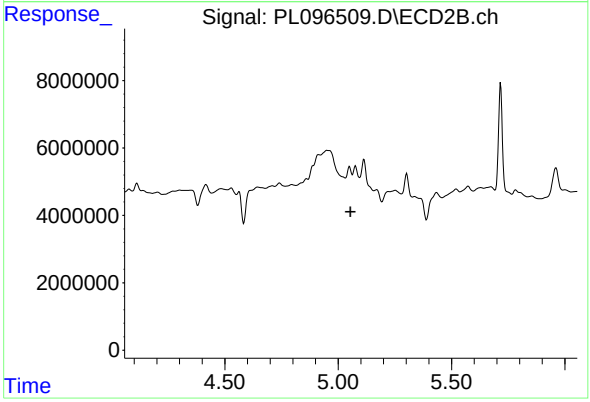
#24 Chlordane-2

R.T.: 4.417 min
Delta R.T.: -0.003 min
Response: 7986937
Conc: 29.06 ng/ml



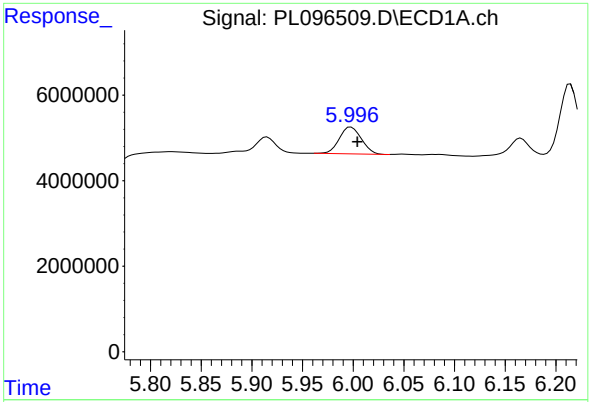
#25 Chlordane-3

R.T.: 5.915 min
Delta R.T.: -0.005 min
Response: 13572162
Conc: 18.42 ng/ml



#25 Chlordane-3

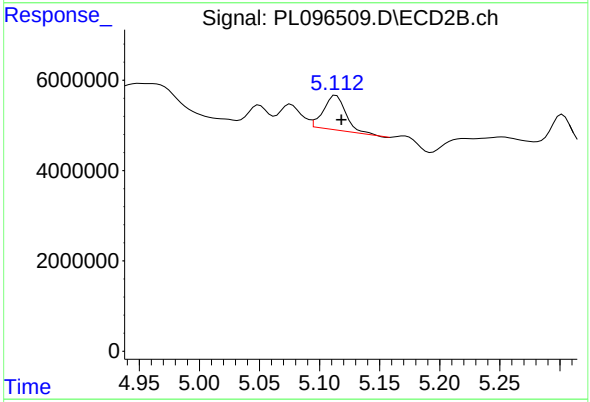
R.T.: 0.000 min
Exp R.T. : 5.055 min
Response: 0
Conc: N.D.



#26 Chlordane-4

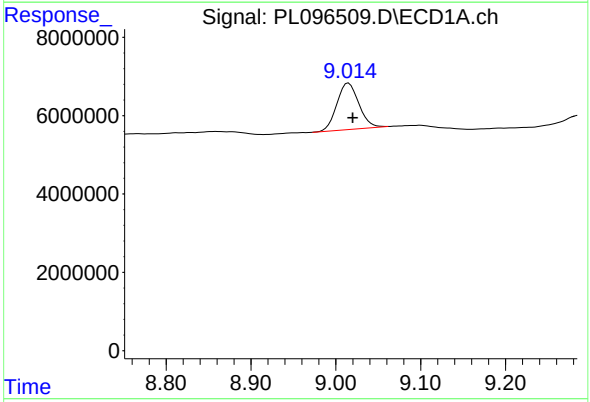
R.T.: 5.998 min
Delta R.T.: -0.006 min
Response: 9509253
Conc: 10.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-33-071725RE



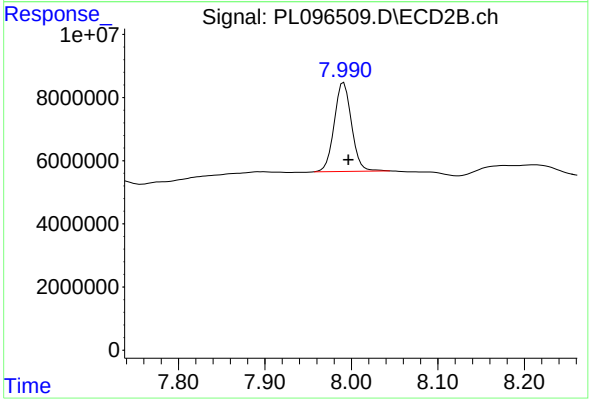
#26 Chlordane-4

R.T.: 5.114 min
Delta R.T.: -0.004 min
Response: 10007081
Conc: 13.32 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.015 min
Delta R.T.: -0.005 min
Response: 21233337
Conc: 7.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.991 min
Delta R.T.: -0.005 min
Response: 38980556
Conc: 7.82 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096510.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 13:21
Operator : AR\AJ
Sample : Q2638-07RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-34-071725RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:47:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.535	2.827	35178238	59705515	9.641	10.345	
28)	SA Decachlor...	9.016	7.992	20146974	34275936	7.162	6.874	
	Target Compounds							
10)	B gamma-Chl...	5.917	5.050	5215824	5179143	1.179	0.738	#
11)	B alpha-Chl...	6.000	5.114	9784921	12036779	2.235	1.601	#
12)	B 4,4'-DDE	6.166	5.303	5122042	8262913	1.382	1.278	
15)	B Endosulfa...	6.740f	0.000	15227727	0	4.388	N.D.	#
18)	B Endrin al...	0.000	6.173	0	17859857	N.D.	4.009	#
23)	Chlordane-1	0.000	3.838	0	5066273	N.D.	21.434	#
25)	Chlordane-3	5.917	5.050	5215824	5179143	7.079	6.437	
26)	Chlordane-4	6.000	5.114	9784921	12036779	10.906	16.019	#

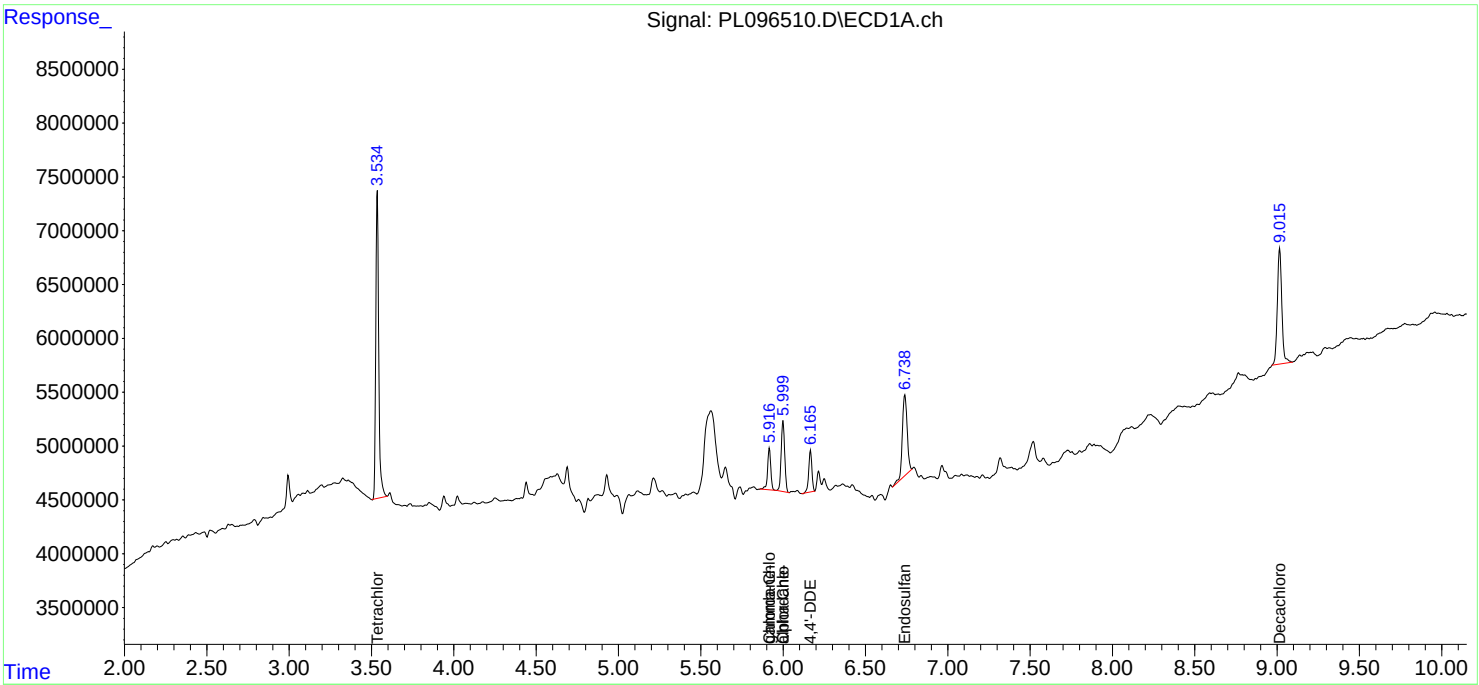
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

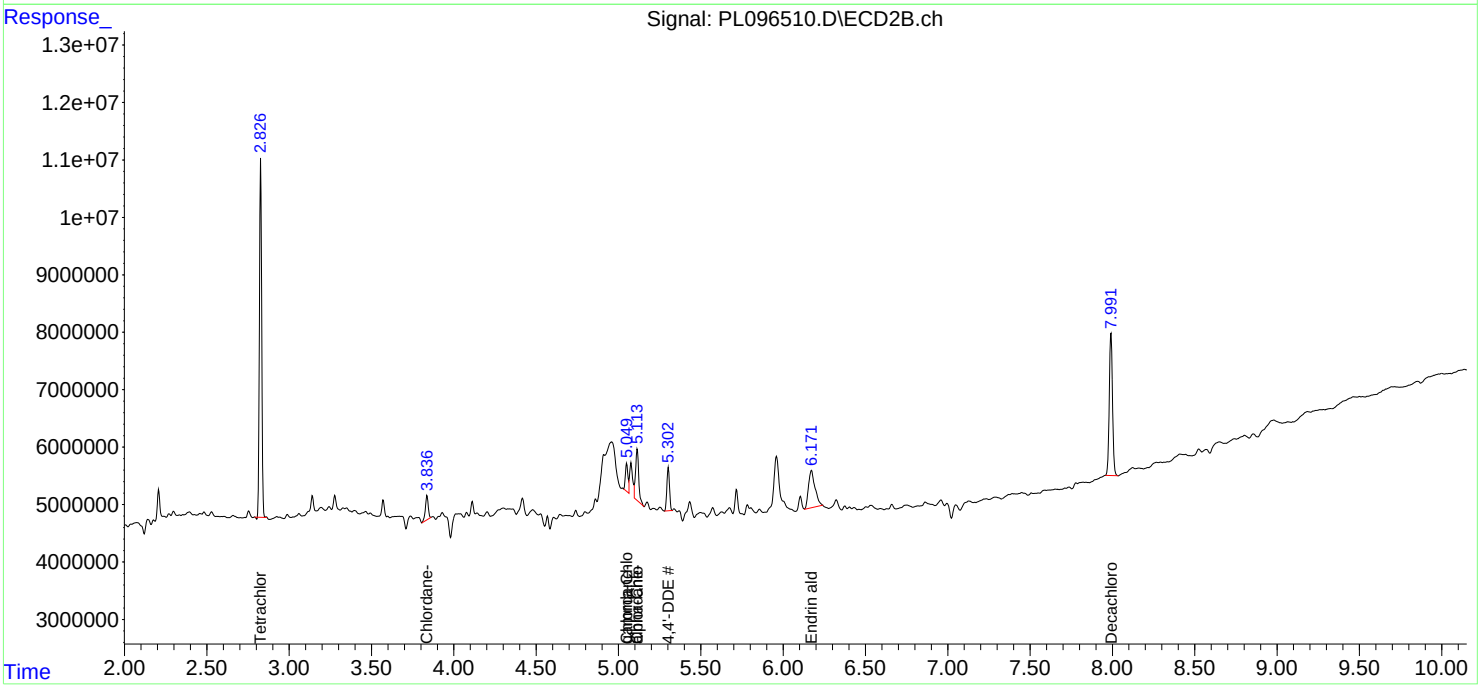
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096510.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 13:21
Operator : AR\AJ
Sample : Q2638-07RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

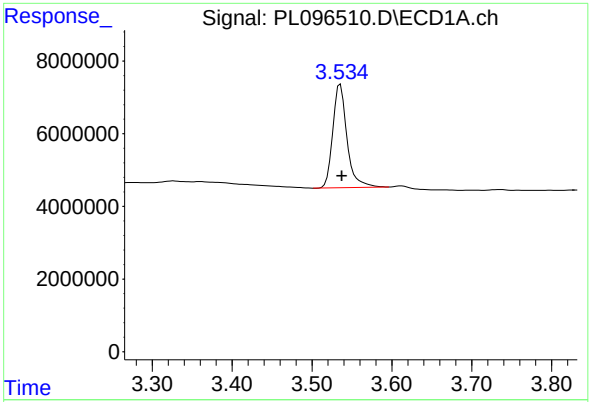
Instrument :
ECD_L
ClientSampleId :
OU4-TS-34-071725RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:47:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



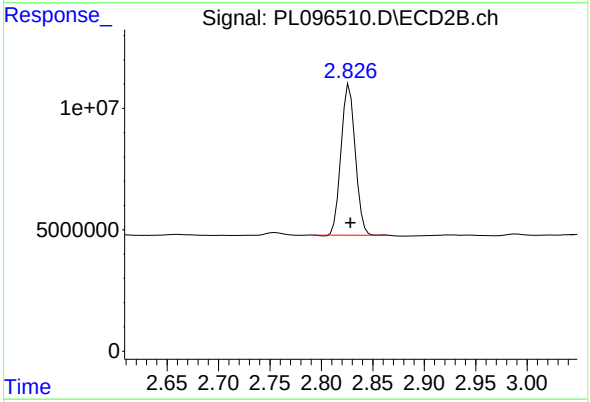




#1 Tetrachloro-m-xylene

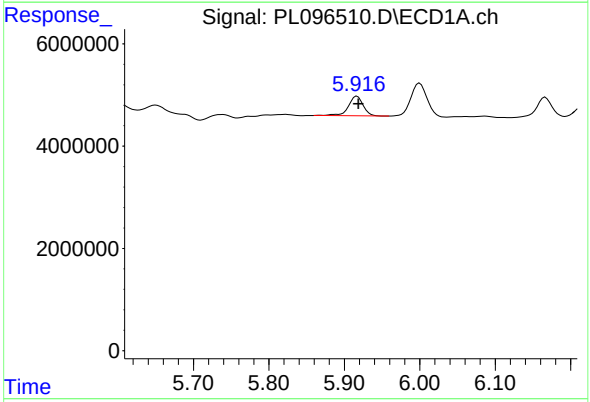
R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 35178238
Conc: 9.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-34-071725RE



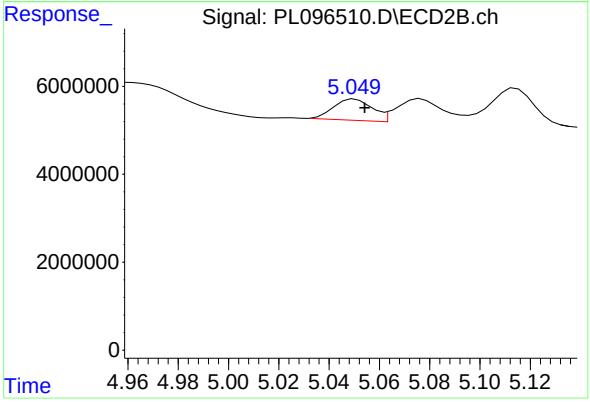
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.001 min
Response: 59705515
Conc: 10.35 ng/ml



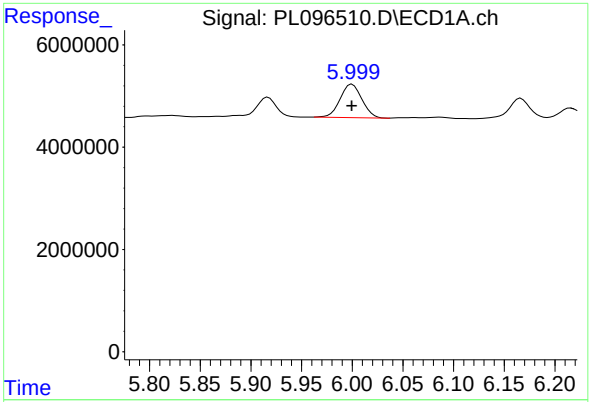
#10 gamma-Chlordane

R.T.: 5.917 min
Delta R.T.: -0.002 min
Response: 5215824
Conc: 1.18 ng/ml



#10 gamma-Chlordane

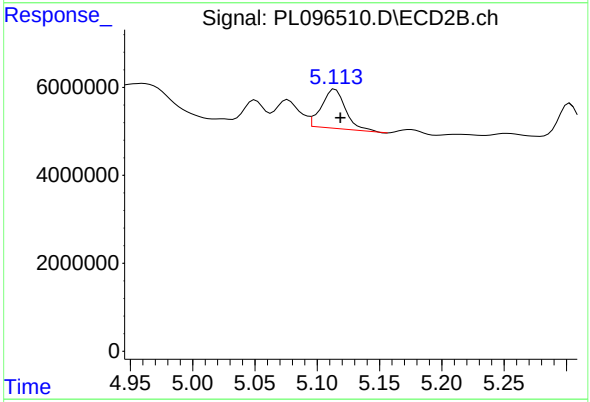
R.T.: 5.050 min
Delta R.T.: -0.004 min
Response: 5179143
Conc: 0.74 ng/ml



#11 alpha-Chlordane

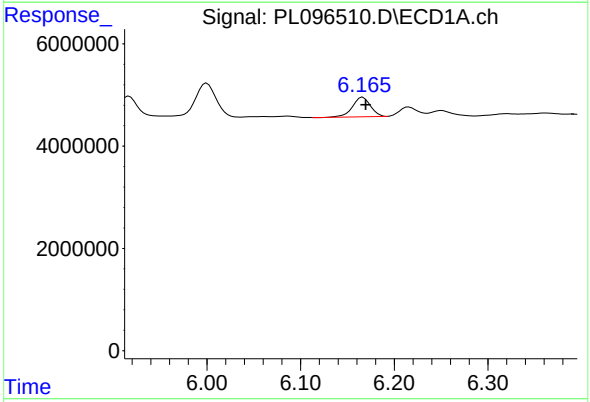
R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 9784921
Conc: 2.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-34-071725RE



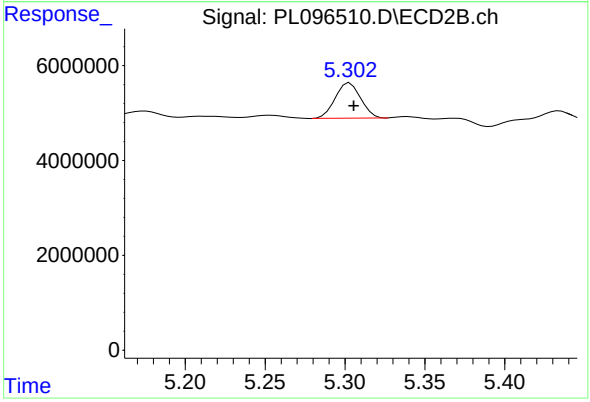
#11 alpha-Chlordane

R.T.: 5.114 min
Delta R.T.: -0.004 min
Response: 12036779
Conc: 1.60 ng/ml



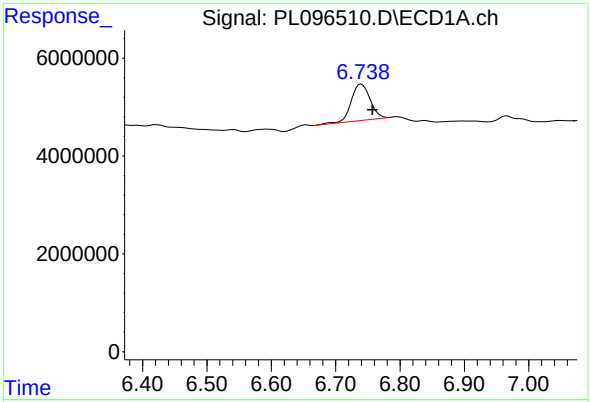
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: -0.003 min
Response: 5122042
Conc: 1.38 ng/ml



#12 4,4'-DDE

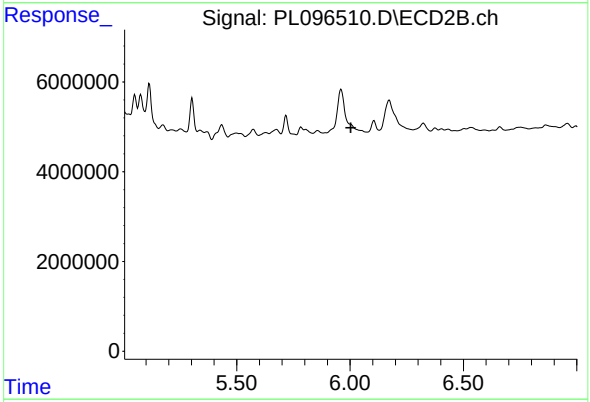
R.T.: 5.303 min
Delta R.T.: -0.003 min
Response: 8262913
Conc: 1.28 ng/ml



#15 Endosulfan II

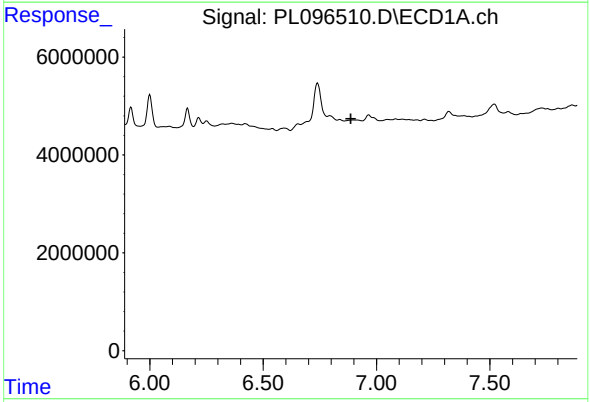
R.T.: 6.740 min
Delta R.T.: -0.017 min
Response: 15227727
Conc: 4.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-34-071725RE



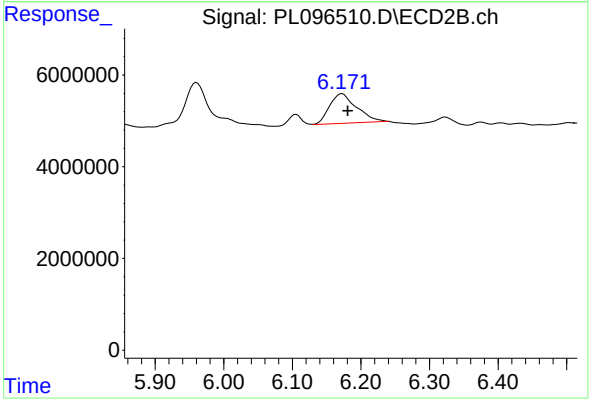
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.003 min
Response: 0
Conc: N.D.



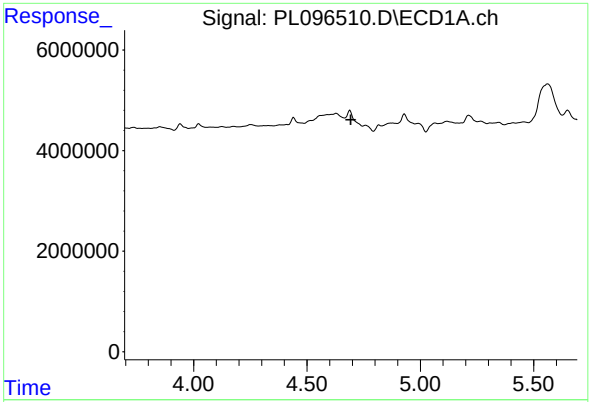
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.886 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

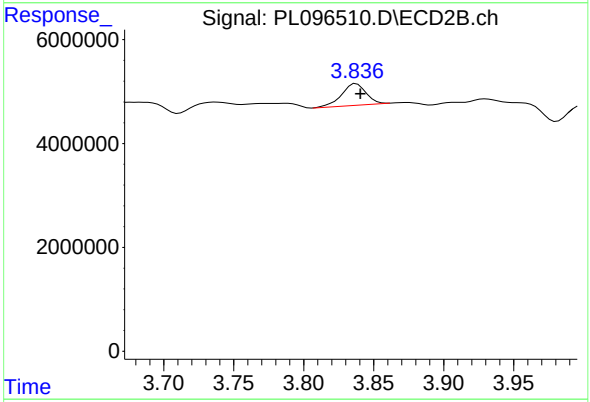
R.T.: 6.173 min
Delta R.T.: -0.008 min
Response: 17859857
Conc: 4.01 ng/ml



#23 Chlordane-1

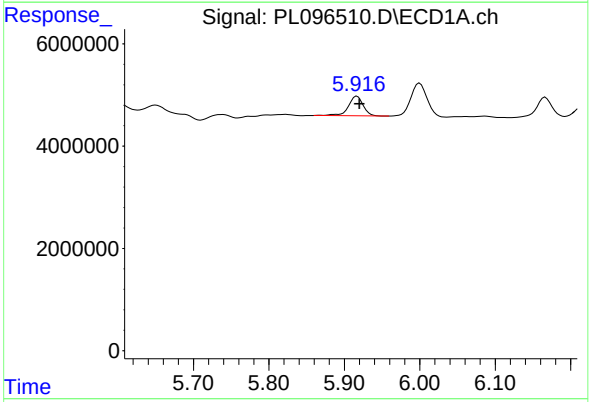
R.T.: 0.000 min
Exp R.T. : 4.693 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-34-071725RE



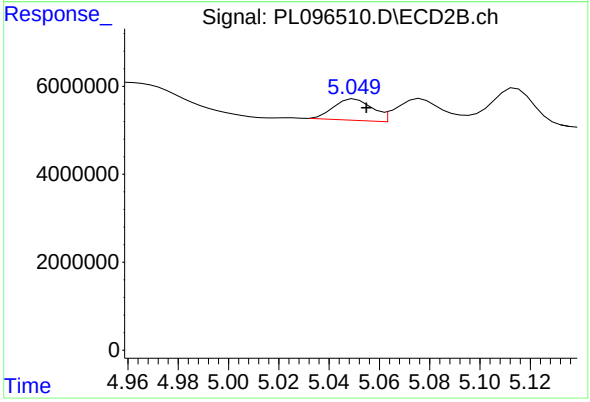
#23 Chlordane-1

R.T.: 3.838 min
Delta R.T.: -0.003 min
Response: 5066273
Conc: 21.43 ng/ml



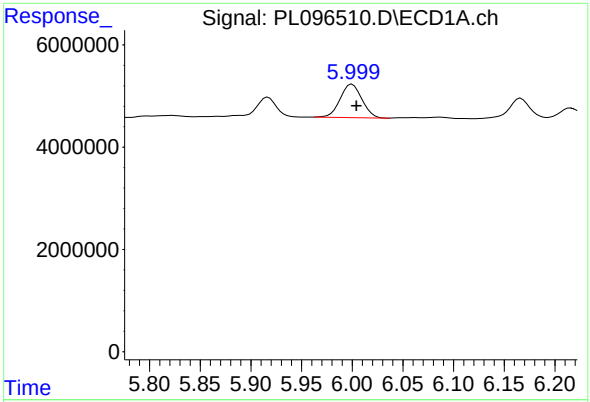
#25 Chlordane-3

R.T.: 5.917 min
Delta R.T.: -0.003 min
Response: 5215824
Conc: 7.08 ng/ml



#25 Chlordane-3

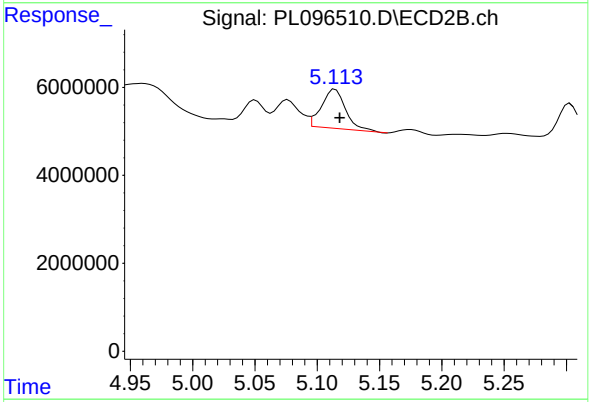
R.T.: 5.050 min
Delta R.T.: -0.005 min
Response: 5179143
Conc: 6.44 ng/ml



#26 Chlordane-4

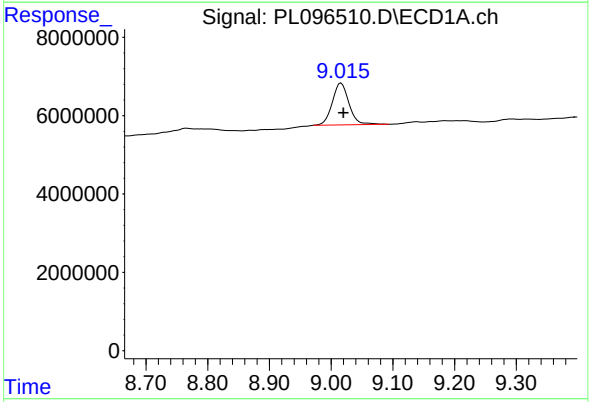
R.T.: 6.000 min
Delta R.T.: -0.004 min
Response: 9784921
Conc: 10.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-34-071725RE



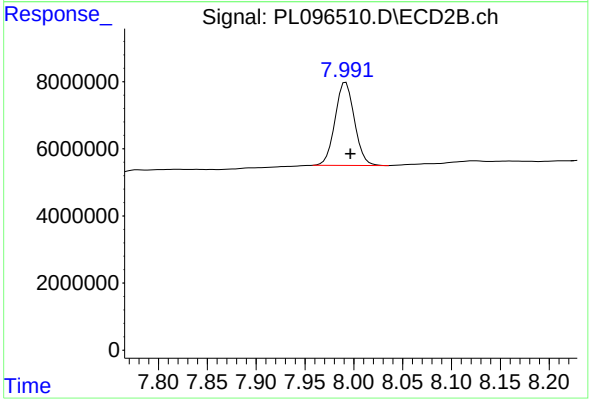
#26 Chlordane-4

R.T.: 5.114 min
Delta R.T.: -0.004 min
Response: 12036779
Conc: 16.02 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: -0.004 min
Response: 20146974
Conc: 7.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: -0.005 min
Response: 34275936
Conc: 6.87 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096512.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 13:48
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: Jul 23 01:47:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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	2.828	194.1E6	329.3E6	53.197	57.051	
28)	SA Decachlor...	9.015	7.991	137.2E6	250.3E6	48.772	50.192	
	Target Compounds							
2)	A alpha-BHC	3.983	3.333	283.3E6	500.1E6	55.075	59.297	
3)	MA gamma-BHC...	4.311	3.665	271.5E6	462.7E6	54.520	58.748	
4)	MA Heptachlor	4.903	4.014	250.5E6	448.1E6	54.673	58.899	
5)	MB Aldrin	5.243	4.297	254.6E6	426.1E6	52.681	58.404	
6)	B beta-BHC	4.497	3.961	115.0E6	194.8E6	55.332	56.884	
7)	B delta-BHC	4.743	4.194	247.8E6	453.1E6	55.303	58.829	
8)	B Heptachlo...	5.662	4.799	229.7E6	380.0E6	55.351	56.843	
9)	A Endosulfan I	6.044	5.170	209.2E6	352.2E6	51.813	49.091	
10)	B gamma-Chl...	5.916	5.051	230.4E6	400.3E6	52.076	57.020	
11)	B alpha-Chl...	5.997	5.115	227.7E6	389.7E6	51.999	51.826	
12)	B 4,4'-DDE	6.166	5.304	193.4E6	367.7E6	52.169	56.890	
13)	MA Dieldrin	6.316	5.434	219.4E6	387.2E6	51.882	56.785	
14)	MA Endrin	6.542	5.708	175.4E6	358.1E6	56.403	58.745	
15)	B Endosulfa...	6.755	6.000	206.8E6	329.4E6	59.605	56.181	
16)	A 4,4'-DDD	6.675	5.856	155.4E6	305.0E6	53.368	59.470	
17)	MA 4,4'-DDT	6.989	6.108	165.0E6	317.0E6	54.349	55.274	
18)	B Endrin al...	6.883	6.178	129.7E6	243.5E6	58.022	54.658	
19)	B Endosulfa...	7.117	6.402	156.2E6	318.3E6	51.072	56.596	
20)	A Methoxychlor	7.462	6.680	84923041	166.5E6	53.906	54.815	
21)	B Endrin ke...	7.596	6.906	162.2E6	334.8E6	49.116	53.543	
22)	Mirex	8.076	7.097	137.9E6	258.9E6	49.555	52.110	
24)	Chlordane-2	5.243f	0.000	254.6E6	0	1300.661	N.D.	#
25)	Chlordane-3	5.916	5.051	230.4E6	400.3E6	312.755	497.505	#
26)	Chlordane-4	5.997	5.115	227.7E6	389.7E6	253.776	518.672	#
27)	Chlordane-5	0.000	6.000	0	329.4E6	N.D.	1162.255	#

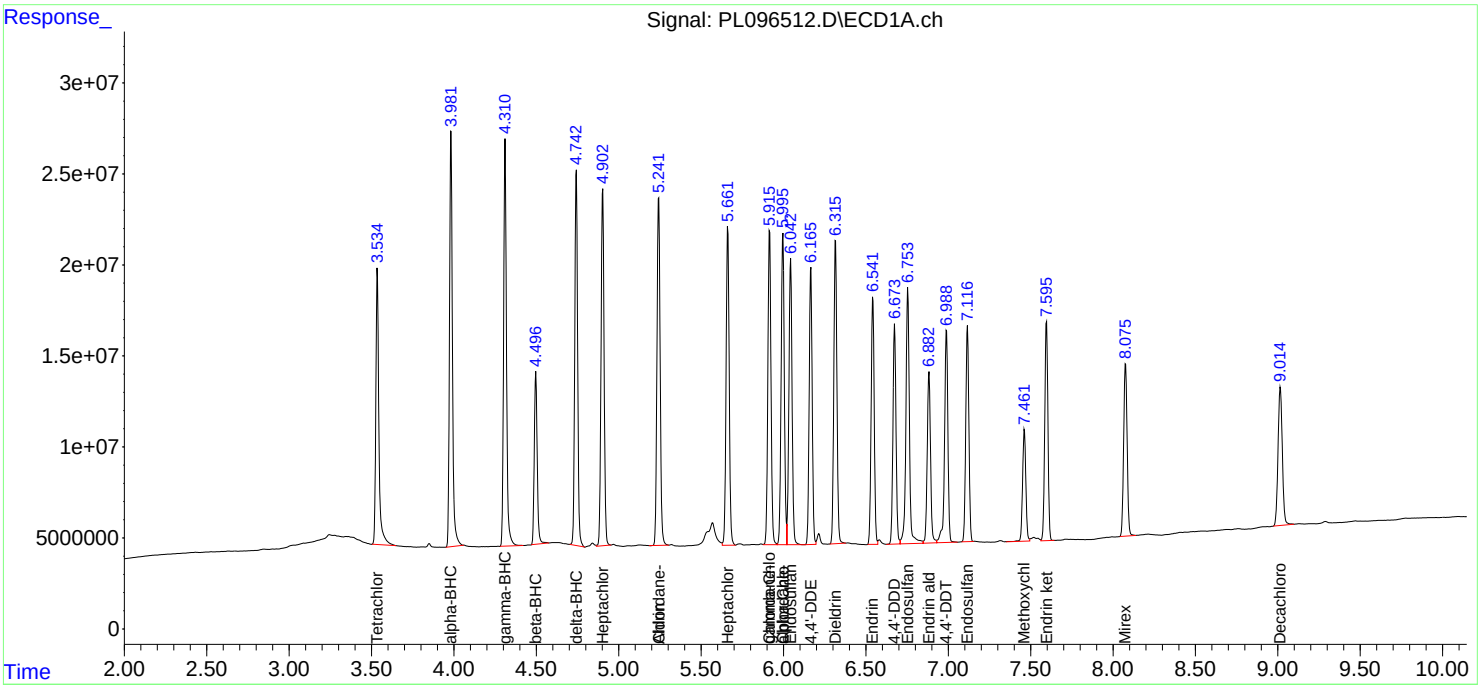
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

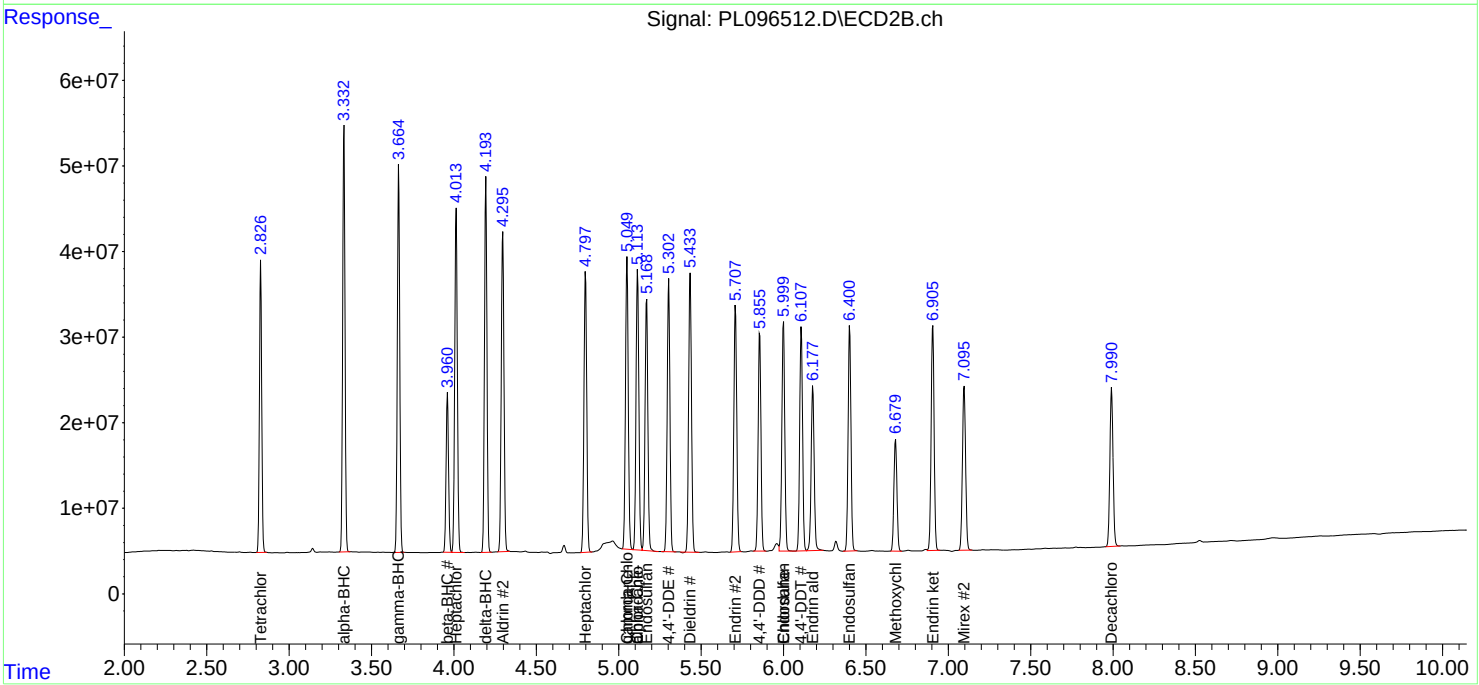
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096512.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 13:48
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

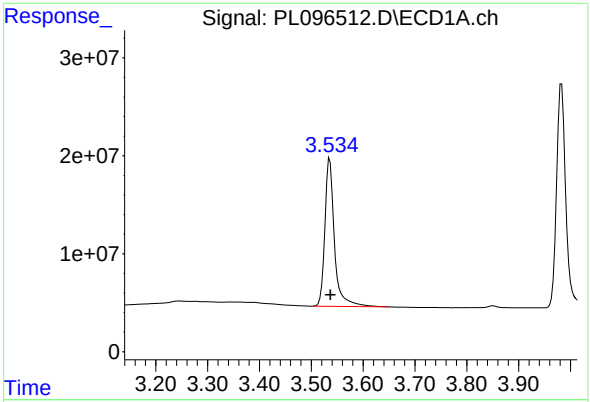
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:47:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 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



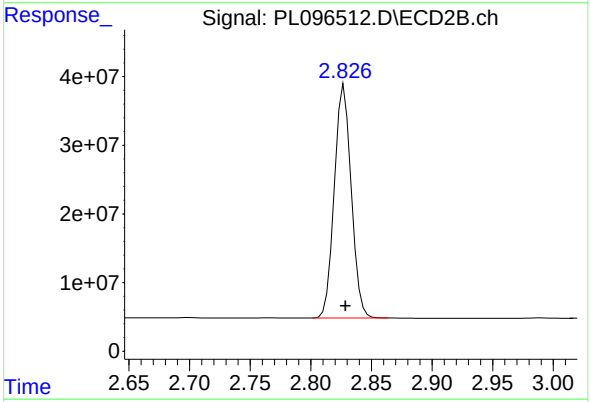




#1 Tetrachloro-m-xylene

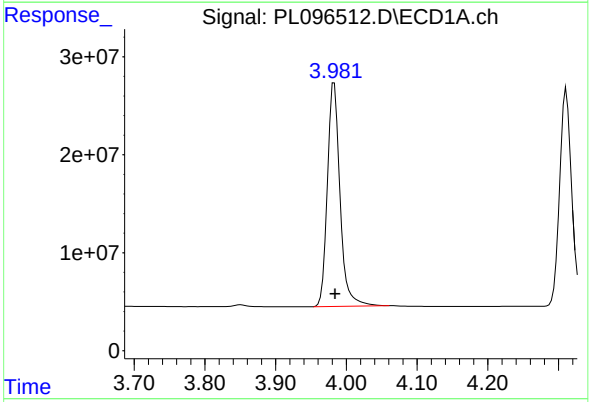
R.T.: 3.536 min
Delta R.T.: -0.001 min
Response: 194112877
Conc: 53.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



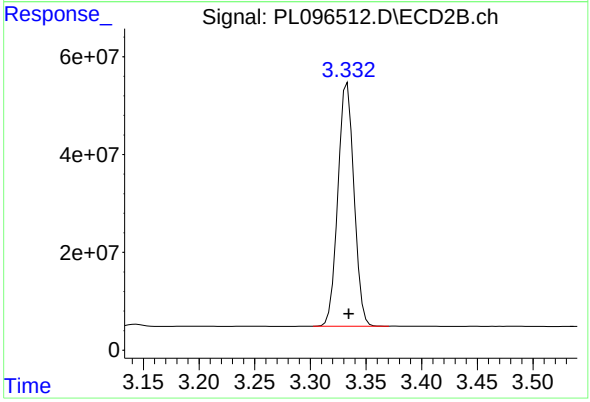
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 329255104
Conc: 57.05 ng/ml



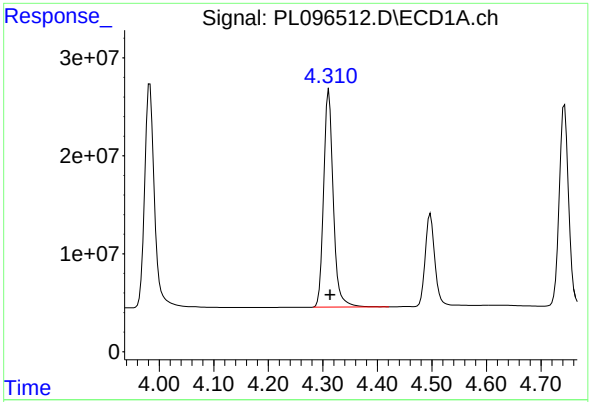
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: -0.001 min
Response: 283260867
Conc: 55.08 ng/ml



#2 alpha-BHC

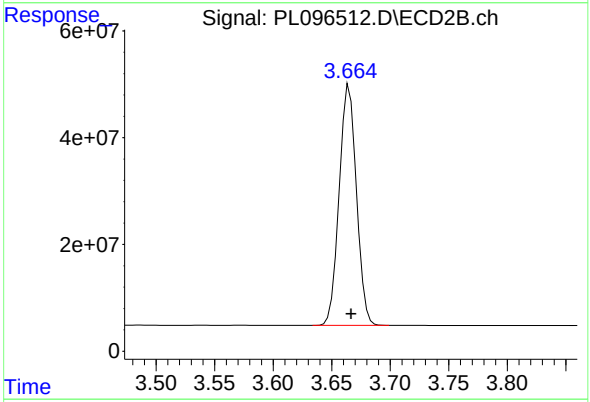
R.T.: 3.333 min
Delta R.T.: -0.001 min
Response: 500128867
Conc: 59.30 ng/ml



#3 gamma-BHC (Lindane)

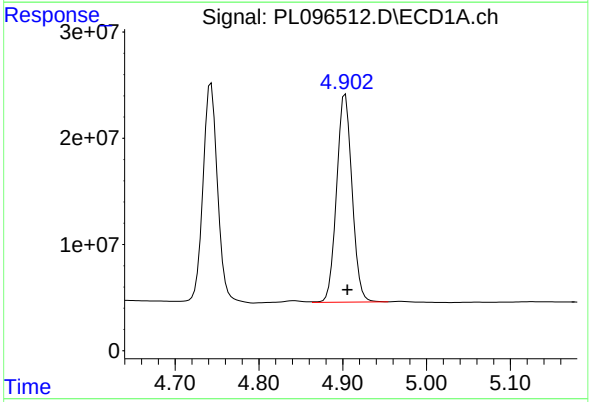
R.T.: 4.311 min
Delta R.T.: -0.002 min
Response: 271491253
Conc: 54.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



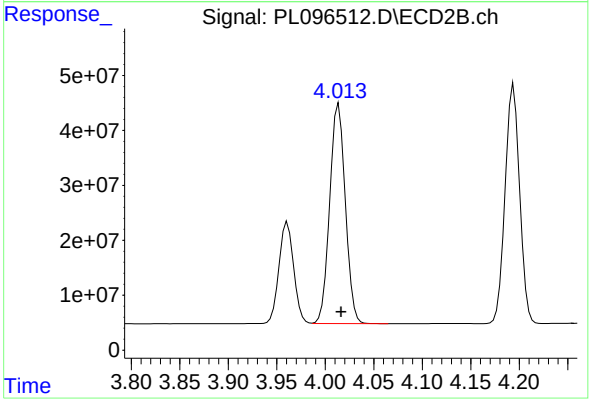
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: -0.002 min
Response: 462688286
Conc: 58.75 ng/ml



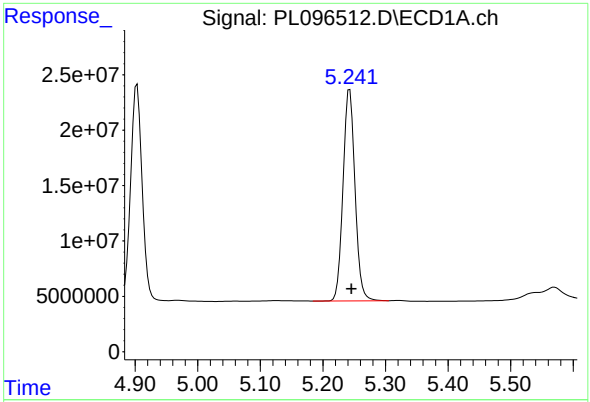
#4 Heptachlor

R.T.: 4.903 min
Delta R.T.: -0.002 min
Response: 250469188
Conc: 54.67 ng/ml



#4 Heptachlor

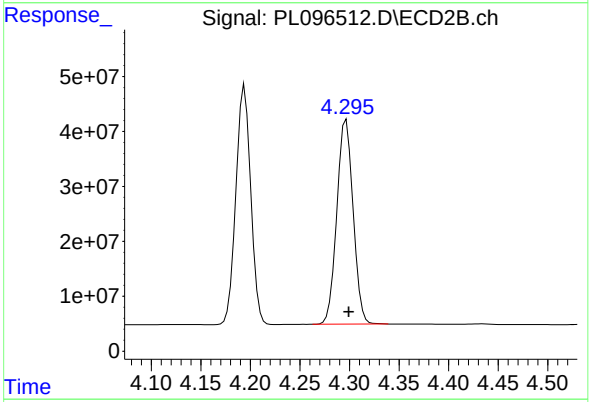
R.T.: 4.014 min
Delta R.T.: -0.002 min
Response: 448091560
Conc: 58.90 ng/ml



#5 Aldrin

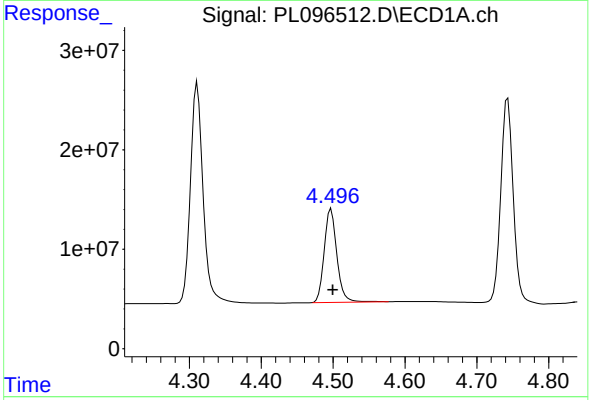
R.T.: 5.243 min
Delta R.T.: -0.003 min
Response: 254643597
Conc: 52.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



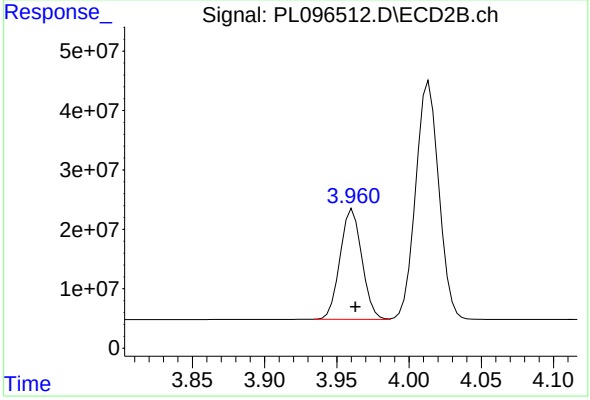
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: -0.003 min
Response: 426091357
Conc: 58.40 ng/ml



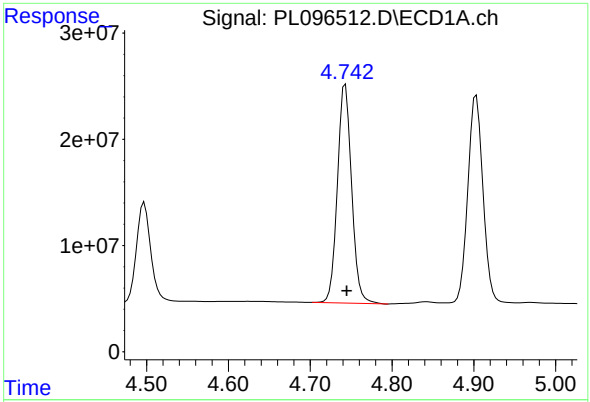
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: -0.002 min
Response: 115023324
Conc: 55.33 ng/ml



#6 beta-BHC

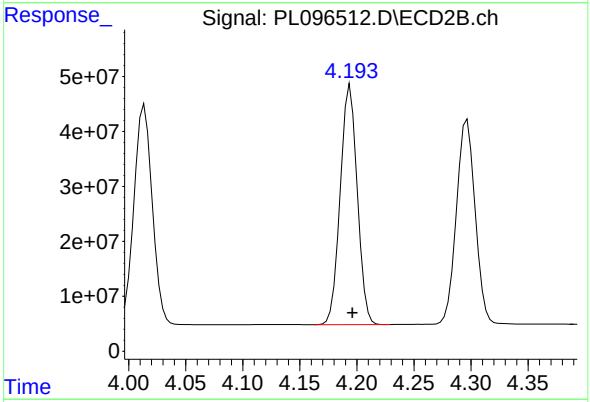
R.T.: 3.961 min
Delta R.T.: -0.002 min
Response: 194765437
Conc: 56.88 ng/ml



#7 delta-BHC

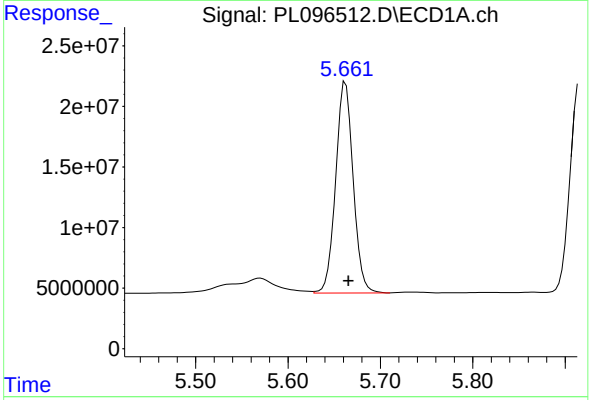
R.T.: 4.743 min
Delta R.T.: -0.002 min
Response: 247831702
Conc: 55.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



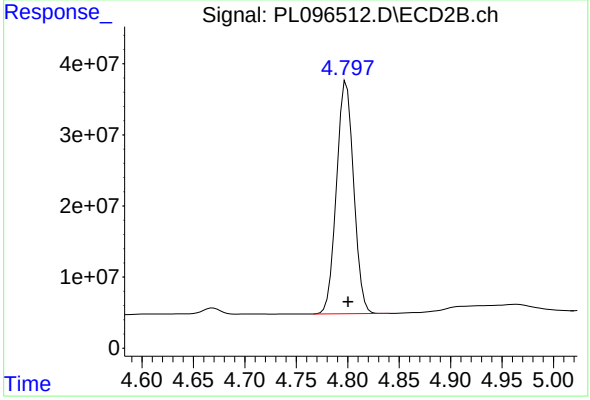
#7 delta-BHC

R.T.: 4.194 min
Delta R.T.: -0.002 min
Response: 453095585
Conc: 58.83 ng/ml



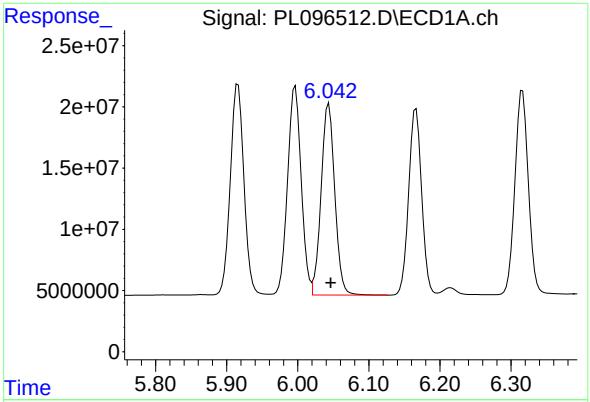
#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: -0.003 min
Response: 229661422
Conc: 55.35 ng/ml



#8 Heptachlor epoxide

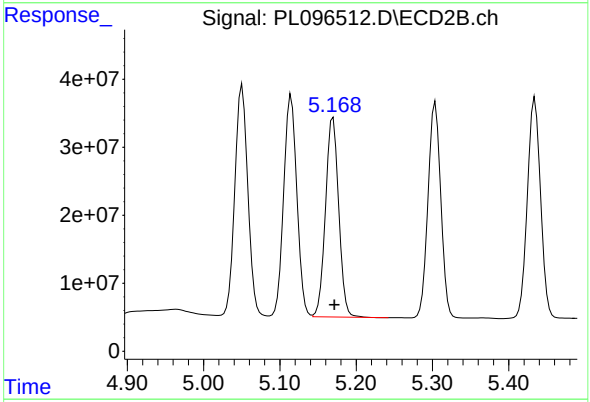
R.T.: 4.799 min
Delta R.T.: -0.002 min
Response: 379988717
Conc: 56.84 ng/ml



#9 Endosulfan I

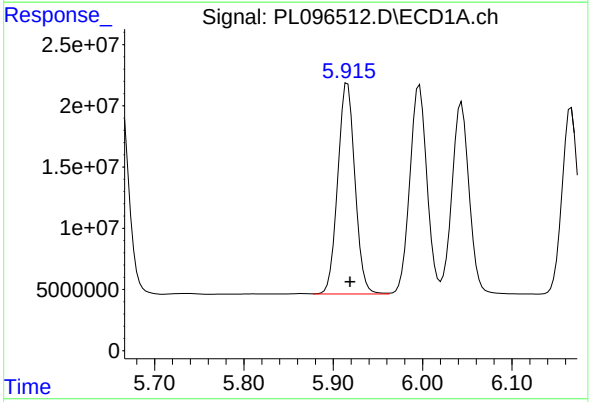
R.T.: 6.044 min
Delta R.T.: -0.003 min
Response: 209183439
Conc: 51.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



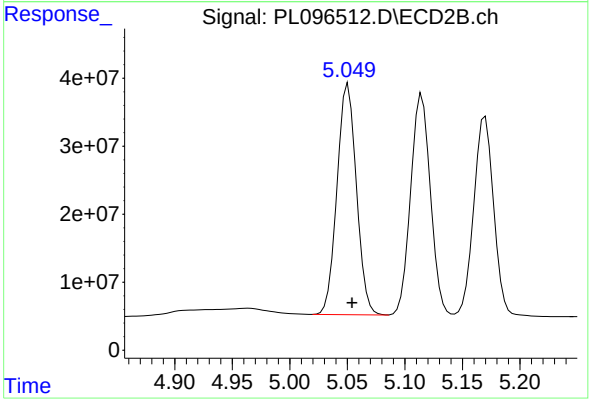
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: -0.002 min
Response: 352182443
Conc: 49.09 ng/ml



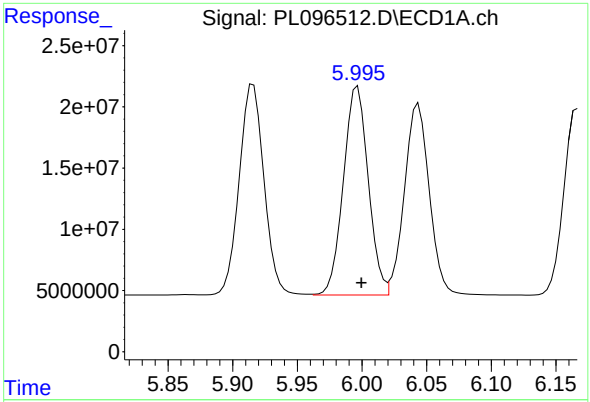
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: -0.003 min
Response: 230423830
Conc: 52.08 ng/ml



#10 gamma-Chlordane

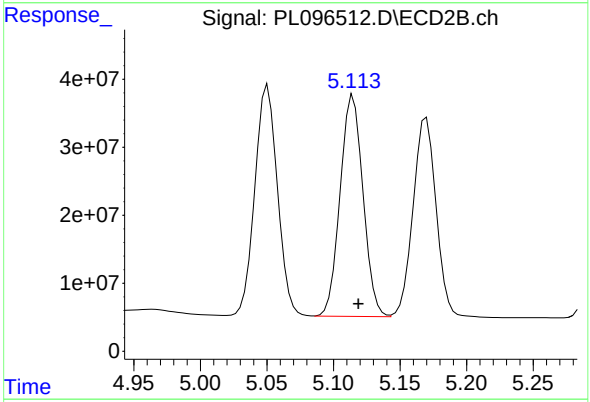
R.T.: 5.051 min
Delta R.T.: -0.004 min
Response: 400261588
Conc: 57.02 ng/ml



#11 alpha-Chlordane

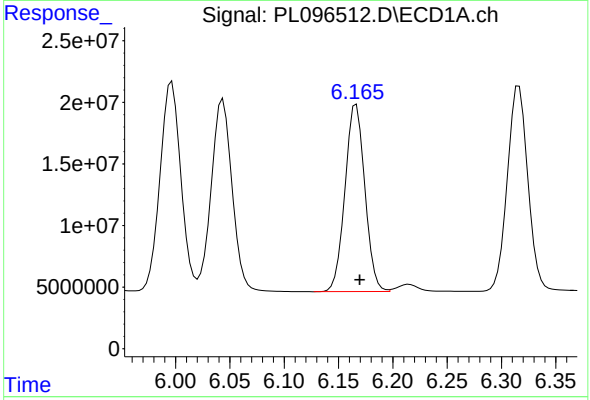
R.T.: 5.997 min
Delta R.T.: -0.003 min
Response: 227694468
Conc: 52.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



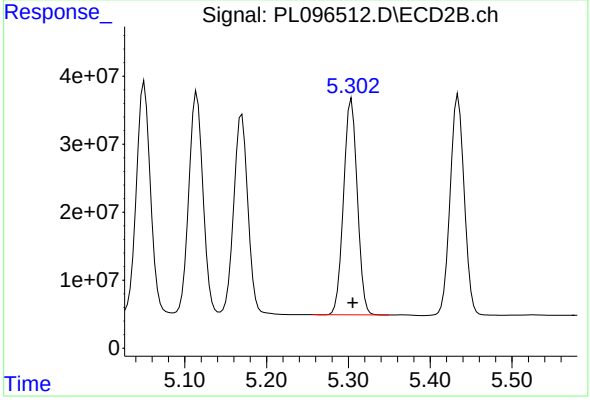
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.004 min
Response: 389743965
Conc: 51.83 ng/ml



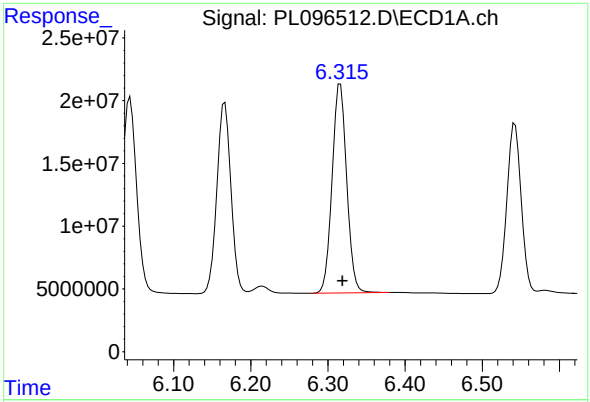
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: -0.003 min
Response: 193416785
Conc: 52.17 ng/ml



#12 4,4'-DDE

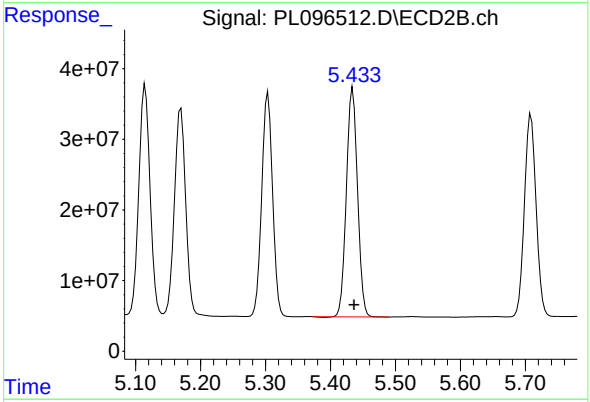
R.T.: 5.304 min
Delta R.T.: -0.002 min
Response: 367716147
Conc: 56.89 ng/ml



#13 Dieldrin

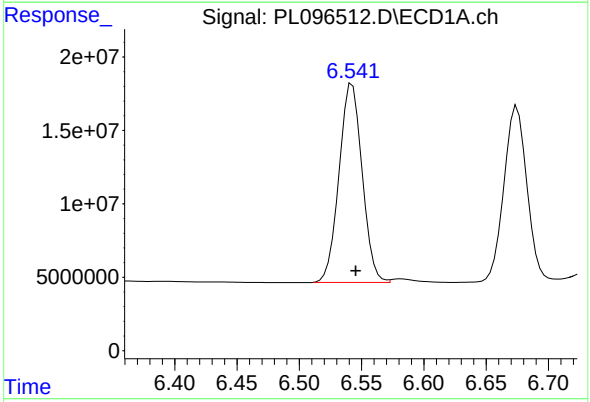
R.T.: 6.316 min
Delta R.T.: -0.003 min
Response: 219376339
Conc: 51.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



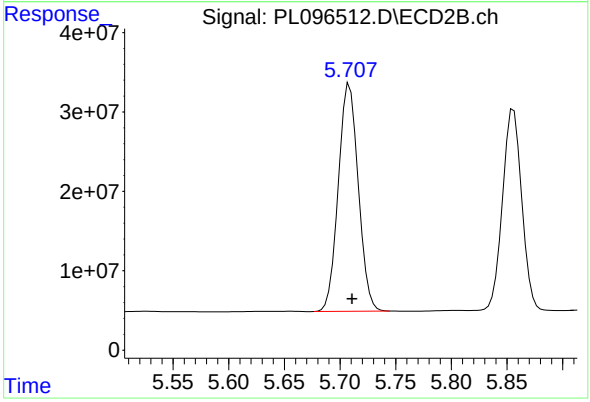
#13 Dieldrin

R.T.: 5.434 min
Delta R.T.: -0.002 min
Response: 387231495
Conc: 56.79 ng/ml



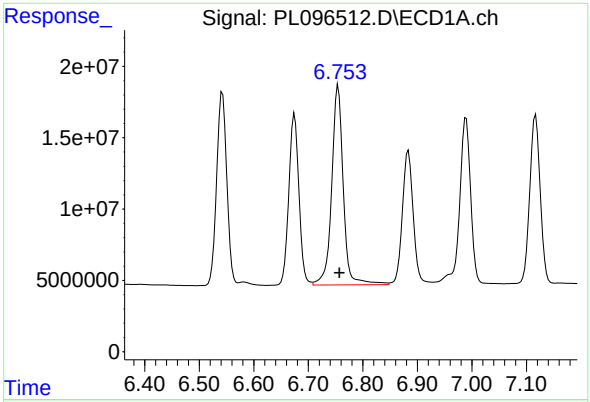
#14 Endrin

R.T.: 6.542 min
Delta R.T.: -0.003 min
Response: 175423891
Conc: 56.40 ng/ml



#14 Endrin

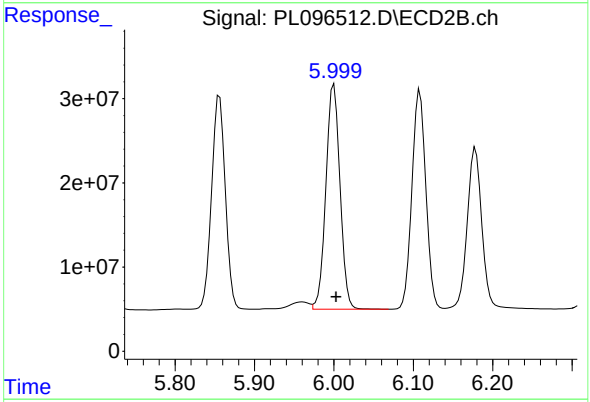
R.T.: 5.708 min
Delta R.T.: -0.002 min
Response: 358138126
Conc: 58.74 ng/ml



#15 Endosulfan II

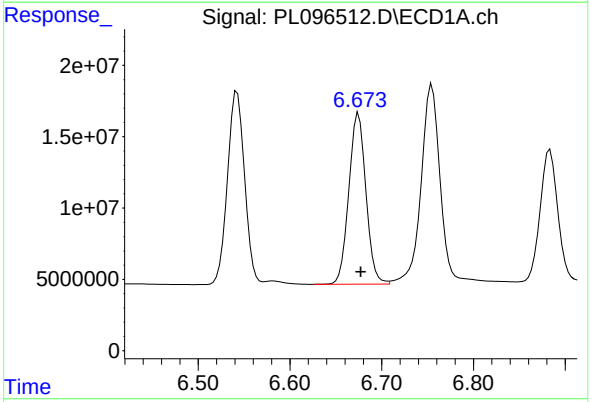
R.T.: 6.755 min
Delta R.T.: -0.002 min
Response: 206832329
Conc: 59.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



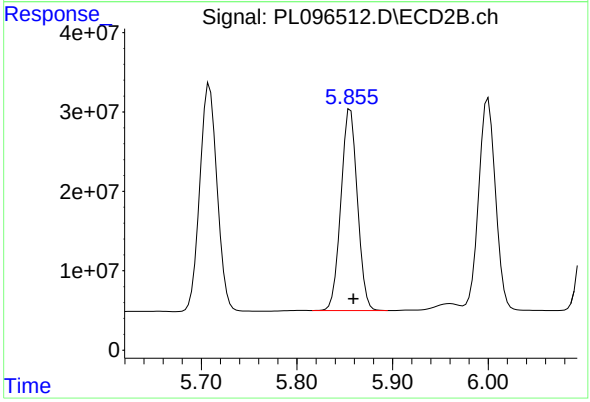
#15 Endosulfan II

R.T.: 6.000 min
Delta R.T.: -0.003 min
Response: 329441727
Conc: 56.18 ng/ml



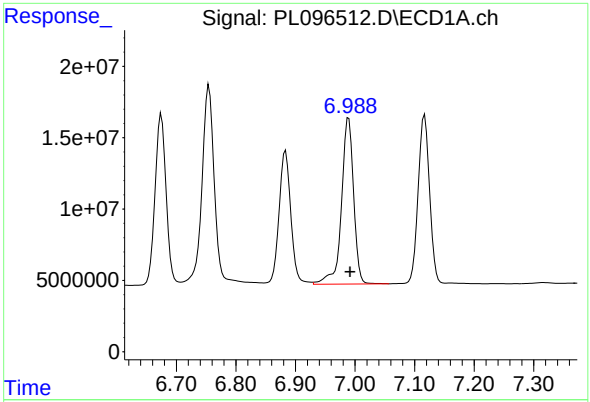
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: -0.002 min
Response: 155389911
Conc: 53.37 ng/ml



#16 4,4'-DDD

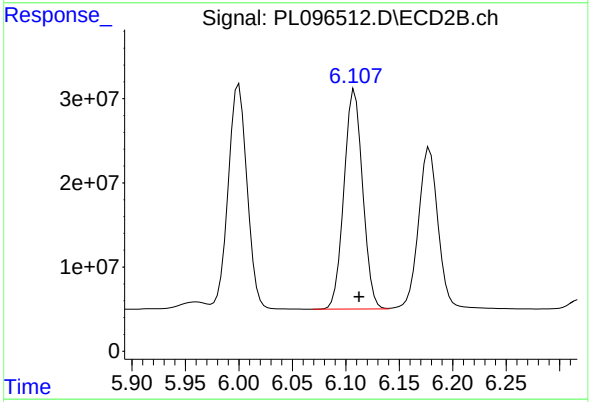
R.T.: 5.856 min
Delta R.T.: -0.003 min
Response: 305002185
Conc: 59.47 ng/ml



#17 4,4'-DDT

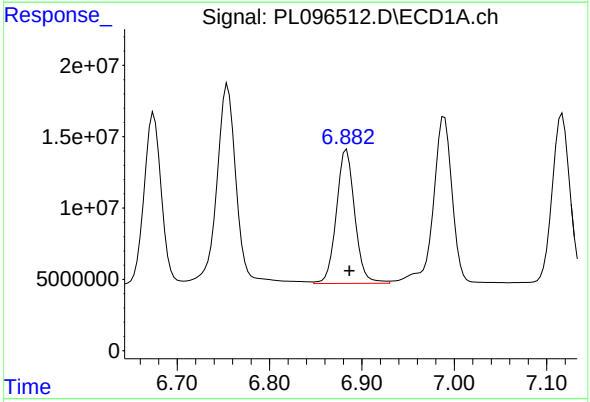
R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 164959284
Conc: 54.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



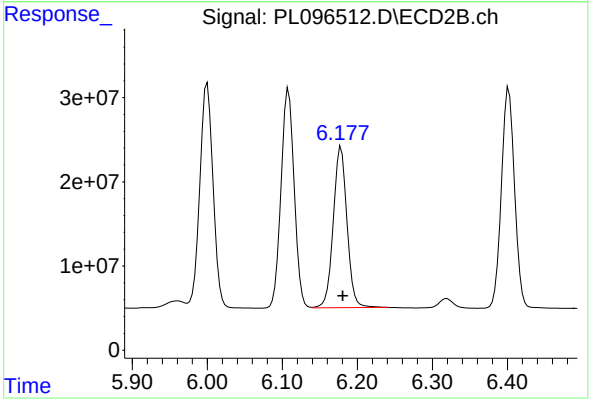
#17 4,4'-DDT

R.T.: 6.108 min
Delta R.T.: -0.004 min
Response: 317002618
Conc: 55.27 ng/ml



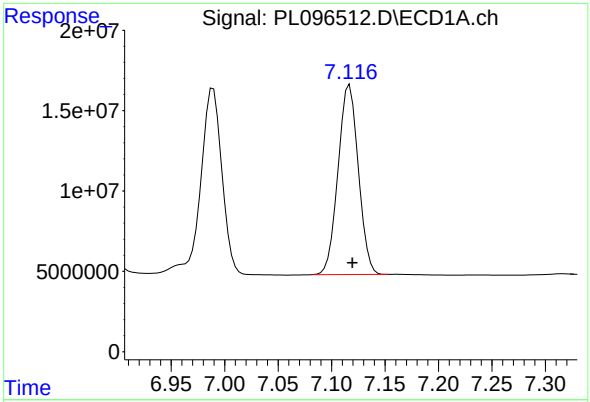
#18 Endrin aldehyde

R.T.: 6.883 min
Delta R.T.: -0.003 min
Response: 129710638
Conc: 58.02 ng/ml



#18 Endrin aldehyde

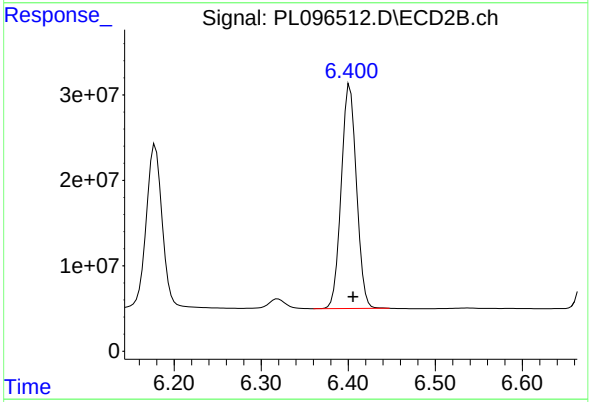
R.T.: 6.178 min
Delta R.T.: -0.003 min
Response: 243478645
Conc: 54.66 ng/ml



#19 Endosulfan Sulfate

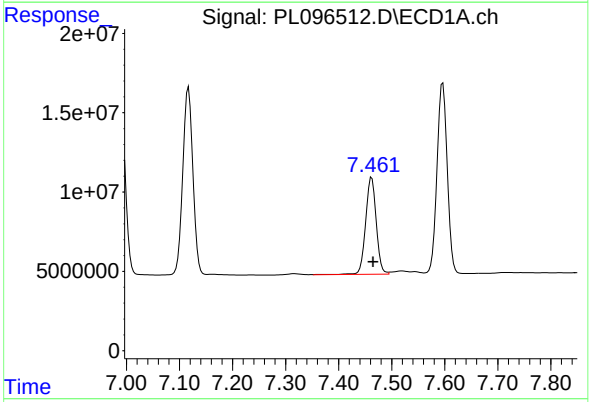
R.T.: 7.117 min
Delta R.T.: -0.003 min
Response: 156222567
Conc: 51.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



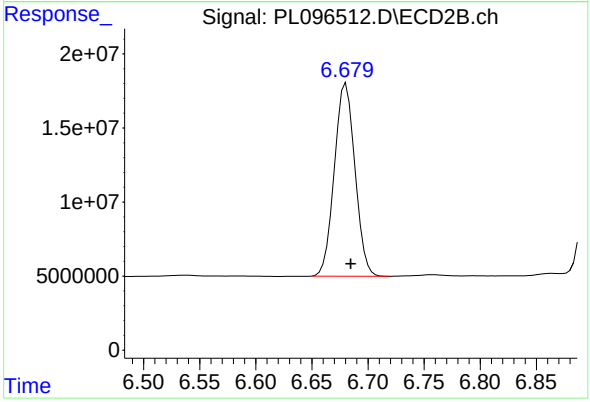
#19 Endosulfan Sulfate

R.T.: 6.402 min
Delta R.T.: -0.004 min
Response: 318319083
Conc: 56.60 ng/ml



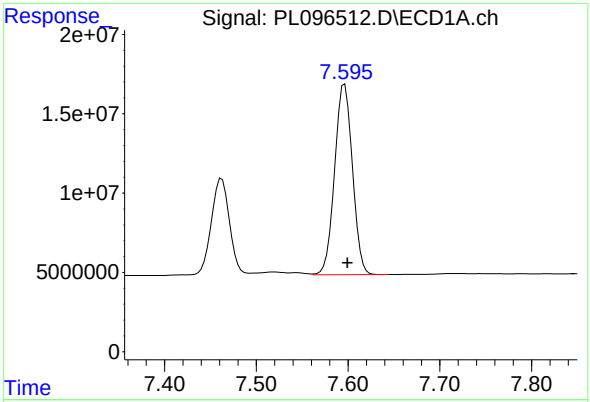
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: -0.002 min
Response: 84923041
Conc: 53.91 ng/ml



#20 Methoxychlor

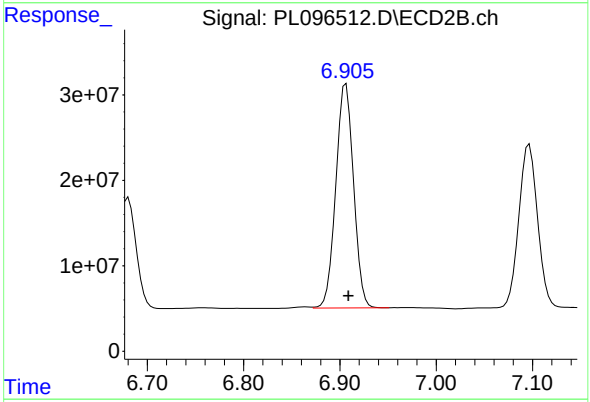
R.T.: 6.680 min
Delta R.T.: -0.004 min
Response: 166516981
Conc: 54.82 ng/ml



#21 Endrin ketone

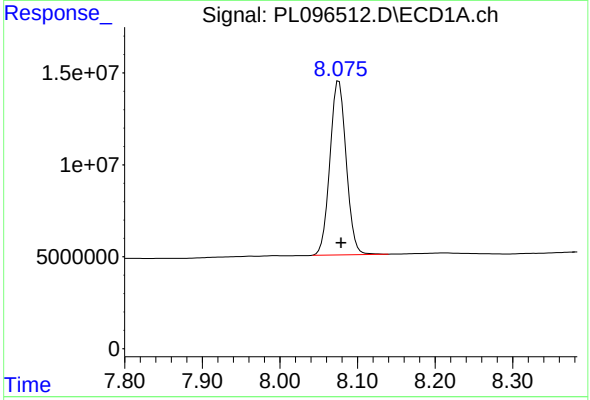
R.T.: 7.596 min
Delta R.T.: -0.003 min
Response: 162163980
Conc: 49.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



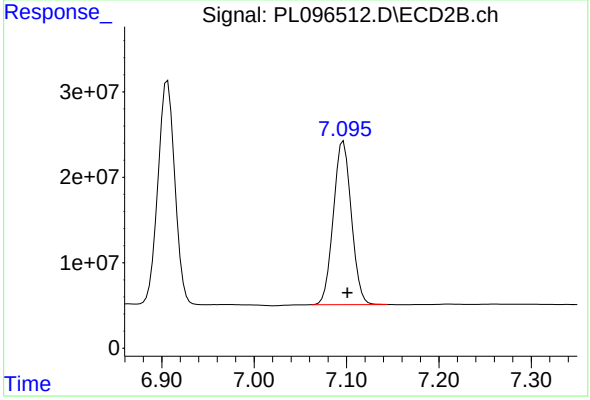
#21 Endrin ketone

R.T.: 6.906 min
Delta R.T.: -0.003 min
Response: 334764592
Conc: 53.54 ng/ml



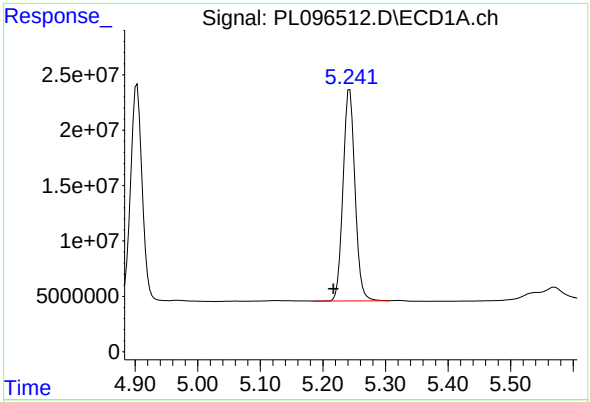
#22 Mirex

R.T.: 8.076 min
Delta R.T.: -0.003 min
Response: 137872282
Conc: 49.55 ng/ml



#22 Mirex

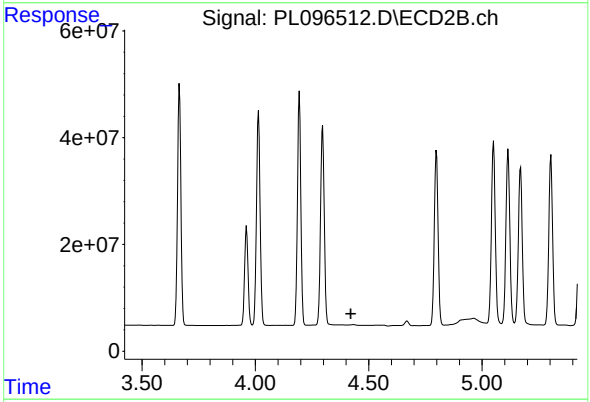
R.T.: 7.097 min
Delta R.T.: -0.004 min
Response: 258889716
Conc: 52.11 ng/ml



#24 Chlordane-2

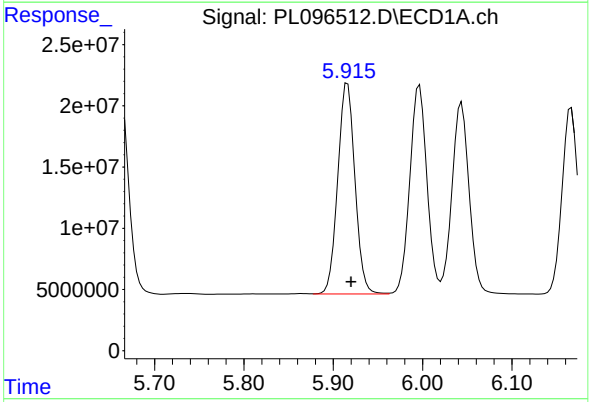
R.T.: 5.243 min
Delta R.T.: 0.026 min
Response: 254643597
Conc: 1300.66 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



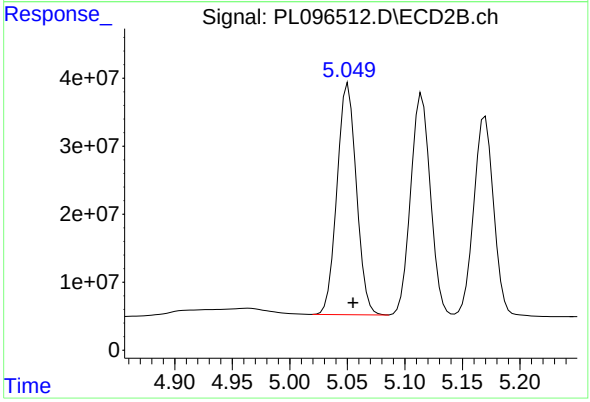
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.420 min
Response: 0
Conc: N.D.



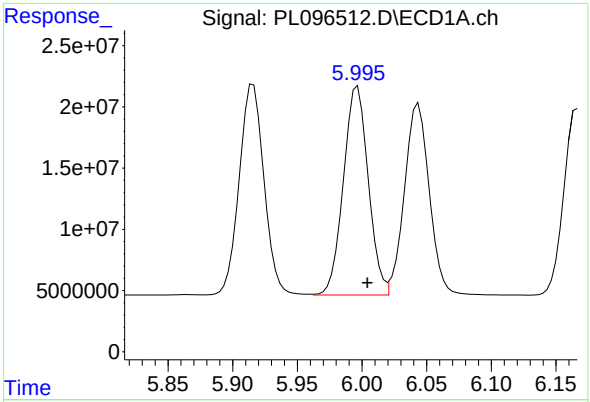
#25 Chlordane-3

R.T.: 5.916 min
Delta R.T.: -0.004 min
Response: 230423830
Conc: 312.76 ng/ml



#25 Chlordane-3

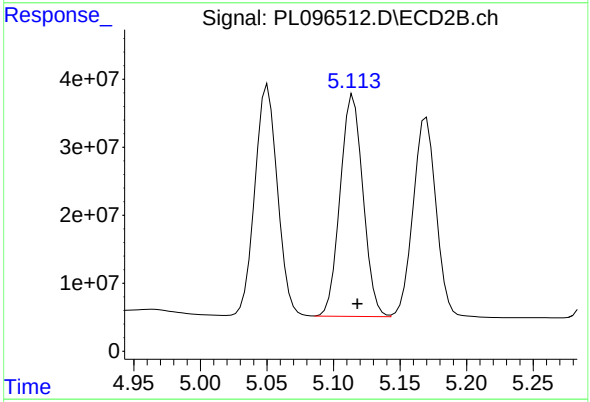
R.T.: 5.051 min
Delta R.T.: -0.004 min
Response: 400261588
Conc: 497.50 ng/ml



#26 Chlordane-4

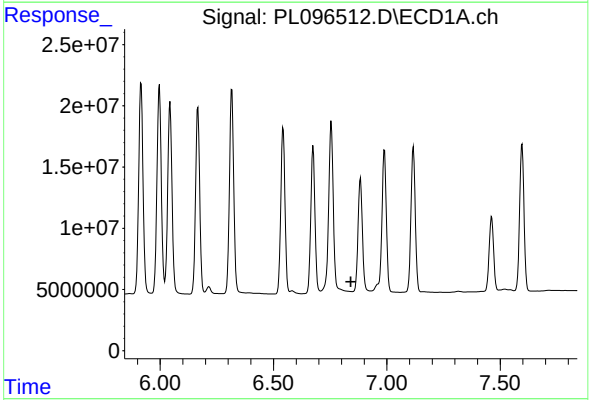
R.T.: 5.997 min
Delta R.T.: -0.008 min
Response: 227694468
Conc: 253.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



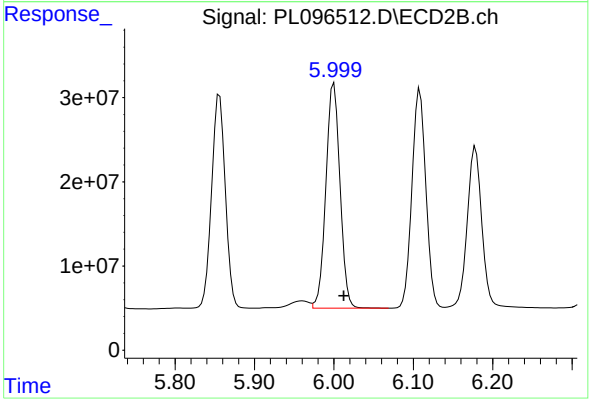
#26 Chlordane-4

R.T.: 5.115 min
Delta R.T.: -0.003 min
Response: 389743965
Conc: 518.67 ng/ml



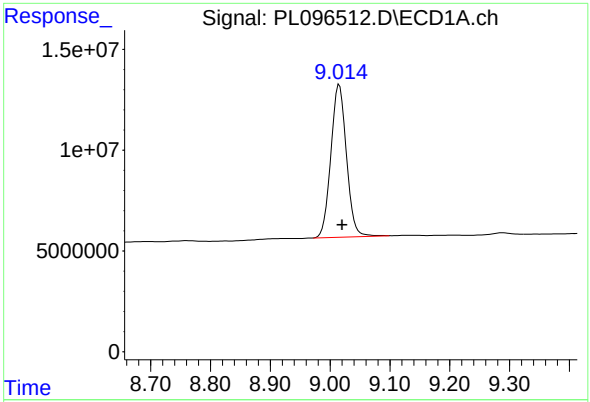
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.841 min
Response: 0
Conc: N.D.



#27 Chlordane-5

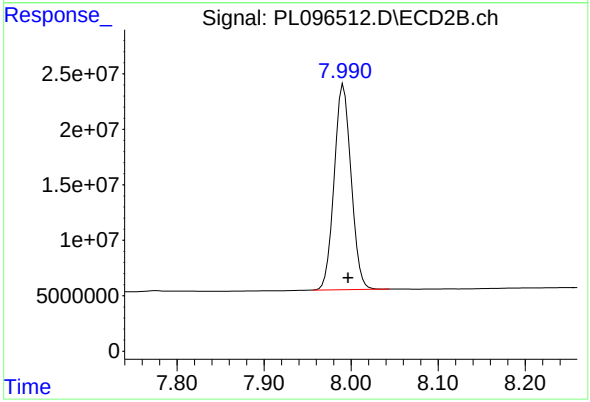
R.T.: 6.000 min
Delta R.T.: -0.012 min
Response: 329441727
Conc: 1162.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.015 min
Delta R.T.: -0.005 min
Response: 137200022
Conc: 48.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.991 min
Delta R.T.: -0.005 min
Response: 250280548
Conc: 50.19 ng/ml