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 : Q2639

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q2639

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2639-01	OU4-TS-38-071725
Q2639-02	OU4-TS-38-071725
Q2639-03	OU4-TS-39-071725
Q2639-04	OU4-TS-39-071725
Q2639-05	OU4-TS-40-071725
Q2639-06	OU4-TS-40-071725
Q2639-07	OU4-TS-41-071725
Q2639-08	OU4-TS-41-071725
Q2639-09	OU4-TS-42-071725
Q2639-10	OU4-TS-42-071725
Q2639-11	OU4-TS-43-071725
Q2639-12	OU4-TS-43-071725
Q2639-13	OU4-TS-44-071725
Q2639-14	OU4-TS-44-071725

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 # Q2639
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_D. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11.The analysis 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-38-071725 [Decachlorobiphenyl(2)48%], OU4-TS-39-071725 [Decachlorobiphenyl(2)51%], OU4-TS-40-071725 [Decachlorobiphenyl(2)47%], OU4-TS-41-071725 [Decachlorobiphenyl(2)41%]AS per method one surrogate allowed to fail to meet the criteria per column. No further corrective action was taken while,

OU4-TS-42-071725 [Decachlorobiphenyl(1)32%, Decachlorobiphenyl(2)31%], OU4-TS-42-071725RE [Decachlorobiphenyl(1)39%, Decachlorobiphenyl(2)35%], OU4-TS-43-071725 [Decachlorobiphenyl(1)29%, Decachlorobiphenyl(2)31%], OU4-TS-43-071725RE [Decachlorobiphenyl(1)33%, Decachlorobiphenyl(2)34%], OU4-TS-44-071725 [Decachlorobiphenyl(1)32%, Decachlorobiphenyl(2)29%], OU4-TS-44-071725RE [Decachlorobiphenyl(1)31% and Decachlorobiphenyl(2)33%],All the failure samples in surrogates with both columns were reanalyzed to confirm the results as per method and reported in the data.

The Retention Times were met for all analysis.

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

E. Additional Comments:
sample#OU4-TS-43-071725 was reported with J flag on form 1 for compound #Endrin based on reporting criteria of high concentration from both column. Now for other column compound detection is below MDL therefore it is not detecting on form 10.

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: Q2639 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-38-071725 [Decachlorobiphenyl(2)48%], OU4-TS-39-071725 [Decachlorobiphenyl(2)51%], OU4-TS-40-071725 [Decachlorobiphenyl(2)47%], OU4-TS-41-071725 [Decachlorobiphenyl(2)41%]AS per method one surrogate allowed to fail to meet the criteria per column. No further corrective action was taken while, OU4-TS-42-071725 [Decachlorobiphenyl(1)32%, Decachlorobiphenyl(2)31%], OU4-TS-42-071725RE [Decachlorobiphenyl(1)39%, Decachlorobiphenyl(2)35%], OU4-TS-43-071725 [Decachlorobiphenyl(1)29%, Decachlorobiphenyl(2)31%], OU4-TS-43-071725RE [Decachlorobiphenyl(1)33%, Decachlorobiphenyl(2)34%], OU4-TS-44-071725 [Decachlorobiphenyl(1)32%, Decachlorobiphenyl(2)29%], OU4-TS-44-071725RE [Decachlorobiphenyl(1)31% and Decachlorobiphenyl(2)33%],All the failure samples in surrogates with both columns were reanalyzed to confirm the results as per method and reported in the data.		✓	
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS recoveries met the requirements for all compounds. The MSD recoveries met the requirements for all compounds. The Blank Spike met requirements for all compounds. The RPD were met for all analysis.		✓	

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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:

sample#OU4-TS-43-071725 was reported with J flag on form 1 for compound #Endrin based on reporting criteria of high concentration from both column. Now for other column compound detection is below MDL therefore it is not detecting on form 10.

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 #: Q2639

	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:	Q2639	**OrderDate:**	7/18/2025 10:22:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	O13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2639-01	**OU4-TS-38-071725**	**SOIL**			**07/17/25**			**07/18/25**
			PCB	8082A		07/21/25	07/21/25	
			Pesticide-TCL	8081B		07/21/25	07/23/25	
Q2639-03	**OU4-TS-39-071725**	**SOIL**			**07/17/25**			**07/18/25**
			PCB	8082A		07/21/25	07/21/25	
			Pesticide-TCL	8081B		07/21/25	07/23/25	
Q2639-05	**OU4-TS-40-071725**	**SOIL**			**07/17/25**			**07/18/25**
			PCB	8082A		07/21/25	07/21/25	
			Pesticide-TCL	8081B		07/21/25	07/23/25	
Q2639-07	**OU4-TS-41-071725**	**SOIL**			**07/17/25**			**07/18/25**
			PCB	8082A		07/21/25	07/21/25	
			Pesticide-TCL	8081B		07/21/25	07/23/25	
Q2639-09	**OU4-TS-42-071725**	**SOIL**			**07/17/25**			**07/18/25**
			PCB	8082A		07/21/25	07/22/25	
			Pesticide-TCL	8081B		07/21/25	07/23/25	
Q2639-09RE	**OU4-TS-42-071725RE**	**SOIL**			**07/17/25**			**07/18/25**
			Pesticide-TCL	8081B		07/21/25	07/24/25	
Q2639-11	**OU4-TS-43-071725**	**SOIL**			**07/17/25**			**07/18/25**
			PCB	8082A		07/21/25	07/22/25	
			Pesticide-TCL	8081B		07/21/25	07/23/25	
Q2639-11RE	**OU4-TS-43-071725RE**	**SOIL**			**07/17/25**			**07/18/25**
			Pesticide-TCL	8081B		07/21/25	07/24/25	
Q2639-13	**OU4-TS-44-071725**	**SOIL**			**07/17/25**			**07/18/25**
			PCB	8082A		07/21/25	07/22/25	
			Pesticide-TCL	8081B		07/21/25	07/23/25	

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LAB CHRONICLE

Q2639-13RE	**OU4-TS-44-071725RE**	**SOIL**			**07/17/25**		**07/18/25**
			Pesticide-TCL	8081B	07/21/25	07/24/25	

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Hit Summary Sheet
SW-846

SDG No.: **Order ID:** Q2639

Client: **Project ID:**

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-TS-38-071725									
Q2639-01	OU4-TS-38-071725	SOIL	Dieldrin	0.0015	JP	0.00017	0.00041	0.0021	mg/Kg
Q2639-01	OU4-TS-38-071725	SOIL	4,4-DDE	0.00057	J	0.00017	0.00041	0.0021	mg/Kg
Q2639-01	OU4-TS-38-071725	SOIL	Endrin	0.0041	P	0.00017	0.00041	0.0021	mg/Kg
Q2639-01	OU4-TS-38-071725	SOIL	4,4-DDD	0.0031	P	0.00019	0.00041	0.0021	mg/Kg
Q2639-01	OU4-TS-38-071725	SOIL	4,4-DDT	0.0061		0.00017	0.00041	0.0021	mg/Kg
Q2639-01	OU4-TS-38-071725	SOIL	alpha-Chlordane	0.00083	J	0.00015	0.00041	0.0021	mg/Kg
Q2639-01	OU4-TS-38-071725	SOIL	gamma-Chlordane	0.00060	JP	0.00019	0.00041	0.0021	mg/Kg
			Total Concentration:	**0.01680**					
Client ID : OU4-TS-39-071725									
Q2639-03	OU4-TS-39-071725	SOIL	4,4-DDE	0.00055	J	0.00017	0.00041	0.0021	mg/Kg
Q2639-03	OU4-TS-39-071725	SOIL	Endrin	0.0010	J	0.00017	0.00041	0.0021	mg/Kg
Q2639-03	OU4-TS-39-071725	SOIL	4,4-DDD	0.0030	P	0.00018	0.00041	0.0021	mg/Kg
Q2639-03	OU4-TS-39-071725	SOIL	4,4-DDT	0.0017	J	0.00017	0.00041	0.0021	mg/Kg
Q2639-03	OU4-TS-39-071725	SOIL	alpha-Chlordane	0.00087	J	0.00015	0.00041	0.0021	mg/Kg
Q2639-03	OU4-TS-39-071725	SOIL	gamma-Chlordane	0.00057	J	0.00018	0.00041	0.0021	mg/Kg
			Total Concentration:	**0.00769**					
Client ID : OU4-TS-40-071725									
Q2639-05	OU4-TS-40-071725	SOIL	4,4-DDE	0.00044	J	0.00017	0.00041	0.0021	mg/Kg
Q2639-05	OU4-TS-40-071725	SOIL	Endrin	0.00087	J	0.00017	0.00041	0.0021	mg/Kg
Q2639-05	OU4-TS-40-071725	SOIL	4,4-DDD	0.0026	P	0.00019	0.00041	0.0021	mg/Kg
Q2639-05	OU4-TS-40-071725	SOIL	4,4-DDT	0.0017	J	0.00017	0.00041	0.0021	mg/Kg
Q2639-05	OU4-TS-40-071725	SOIL	alpha-Chlordane	0.00075	J	0.00015	0.00041	0.0021	mg/Kg
Q2639-05	OU4-TS-40-071725	SOIL	gamma-Chlordane	0.00038	J	0.00019	0.00041	0.0021	mg/Kg
			Total Concentration:	**0.00674**					
Client ID : OU4-TS-41-071725									
Q2639-07	OU4-TS-41-071725	SOIL	4,4-DDE	0.00043	J	0.00017	0.00040	0.0021	mg/Kg
Q2639-07	OU4-TS-41-071725	SOIL	Endrin	0.00077	J	0.00017	0.00040	0.0021	mg/Kg
Q2639-07	OU4-TS-41-071725	SOIL	4,4-DDD	0.0024	P	0.00018	0.00040	0.0021	mg/Kg
Q2639-07	OU4-TS-41-071725	SOIL	4,4-DDT	0.0014	J	0.00017	0.00040	0.0021	mg/Kg
Q2639-07	OU4-TS-41-071725	SOIL	alpha-Chlordane	0.00067	J	0.00015	0.00040	0.0021	mg/Kg
Q2639-07	OU4-TS-41-071725	SOIL	gamma-Chlordane	0.00056	J	0.00018	0.00040	0.0021	mg/Kg
			Total Concentration:	**0.00623**					
Client ID : OU4-TS-42-071725									
Q2639-09	OU4-TS-42-071725	SOIL	Dieldrin	0.00062	JP	0.00023	0.00055	0.0028	mg/Kg
Q2639-09	OU4-TS-42-071725	SOIL	4,4-DDE	0.00099	J	0.00023	0.00055	0.0028	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: **Order ID:** Q2639

Client: **Project ID:**

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2639-09	OU4-TS-42-071725	SOIL	Endrin	0.00054	JP	0.00023	0.00055	0.0028	mg/Kg
Q2639-09	OU4-TS-42-071725	SOIL	alpha-Chlordane	0.0012	J	0.00020	0.00055	0.0028	mg/Kg
Q2639-09	OU4-TS-42-071725	SOIL	gamma-Chlordane	0.00090	J	0.00025	0.00055	0.0028	mg/Kg
			Total Concentration:	**0.00425**					
Client ID :	**OU4-TS-42-071725RE**								
Q2639-09RE	OU4-TS-42-071725RI	SOIL	Dieldrin	0.00079	JP	0.00023	0.00055	0.0028	mg/Kg
Q2639-09RE	OU4-TS-42-071725RI	SOIL	4,4-DDE	0.0011	J	0.00023	0.00055	0.0028	mg/Kg
Q2639-09RE	OU4-TS-42-071725RI	SOIL	Endrin	0.00082	J	0.00023	0.00055	0.0028	mg/Kg
Q2639-09RE	OU4-TS-42-071725RI	SOIL	alpha-Chlordane	0.0015	J	0.00020	0.00055	0.0028	mg/Kg
Q2639-09RE	OU4-TS-42-071725RI	SOIL	gamma-Chlordane	0.0016	JP	0.00025	0.00055	0.0028	mg/Kg
			Total Concentration:	**0.00581**					
Client ID :	**OU4-TS-43-071725**								
Q2639-11	OU4-TS-43-071725	SOIL	Dieldrin	0.00071	JP	0.00024	0.00057	0.0029	mg/Kg
Q2639-11	OU4-TS-43-071725	SOIL	4,4-DDE	0.0011	J	0.00024	0.00057	0.0029	mg/Kg
Q2639-11	OU4-TS-43-071725	SOIL	Endrin	0.00068	J	0.00024	0.00057	0.0029	mg/Kg
Q2639-11	OU4-TS-43-071725	SOIL	alpha-Chlordane	0.0015	J	0.00021	0.00057	0.0029	mg/Kg
Q2639-11	OU4-TS-43-071725	SOIL	gamma-Chlordane	0.0015	JP	0.00026	0.00057	0.0029	mg/Kg
			Total Concentration:	**0.00549**					
Client ID :	**OU4-TS-43-071725RE**								
Q2639-11RE	OU4-TS-43-071725RI	SOIL	Dieldrin	0.00083	JP	0.00024	0.00057	0.0029	mg/Kg
Q2639-11RE	OU4-TS-43-071725RI	SOIL	4,4-DDE	0.0010	J	0.00024	0.00057	0.0029	mg/Kg
Q2639-11RE	OU4-TS-43-071725RI	SOIL	Endrin	0.0029	P	0.00024	0.00057	0.0029	mg/Kg
Q2639-11RE	OU4-TS-43-071725RI	SOIL	alpha-Chlordane	0.0017	J	0.00021	0.00057	0.0029	mg/Kg
Q2639-11RE	OU4-TS-43-071725RI	SOIL	gamma-Chlordane	0.0017	JP	0.00026	0.00057	0.0029	mg/Kg
			Total Concentration:	**0.00813**					
Client ID :	**OU4-TS-44-071725**								
Q2639-13	OU4-TS-44-071725	SOIL	4,4-DDE	0.00052	J	0.00022	0.00051	0.0026	mg/Kg
Q2639-13	OU4-TS-44-071725	SOIL	alpha-Chlordane	0.00085	J	0.00018	0.00051	0.0026	mg/Kg
Q2639-13	OU4-TS-44-071725	SOIL	gamma-Chlordane	0.00044	JP	0.00023	0.00051	0.0026	mg/Kg
			Total Concentration:	**0.00181**					
Client ID :	**OU4-TS-44-071725RE**								
Q2639-13RE	OU4-TS-44-071725RI	SOIL	4,4-DDE	0.00055	J	0.00022	0.00051	0.0026	mg/Kg
Q2639-13RE	OU4-TS-44-071725RI	SOIL	alpha-Chlordane	0.00094	J	0.00018	0.00051	0.0026	mg/Kg
Q2639-13RE	OU4-TS-44-071725RI	SOIL	gamma-Chlordane	0.00059	JP	0.00023	0.00051	0.0026	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: **Order ID:** Q2639

Client: **Project ID:**

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Concentration:	**0.00208**					

QC SUMMARY

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Surrogate Summary

SDG No.: Q2639

Client: Nobis Group

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PD089537.D	PIBLK-PD089537.D	Decachlorobiphen	1	20	21.2	106		30	135
		Tetrachloro-m-xyl	1	20	18.5	92		44	124
		Decachlorobiphen	2	20	20.5	103		30	135
		Tetrachloro-m-xyl	2	20	19.9	100		44	124
I.BLK-PD089610.D	PIBLK-PD089610.D	Decachlorobiphen	1	20	23.1	116		30	135
		Tetrachloro-m-xyl	1	20	20.2	101		44	124
		Decachlorobiphen	2	20	22.5	112		30	135
		Tetrachloro-m-xyl	2	20	21.9	110		44	124
Q2639-01	OU4-TS-38-071725	Decachlorobiphen	1	20	12.7	64		55	130
		Tetrachloro-m-xyl	1	20	14.3	72		42	129
		Decachlorobiphen	2	20	9.58	48	*	55	130
		Tetrachloro-m-xyl	2	20	14.7	73		42	129
Q2639-03	OU4-TS-39-071725	Decachlorobiphen	1	20	14.2	71		55	130
		Tetrachloro-m-xyl	1	20	16.1	80		42	129
		Decachlorobiphen	2	20	10.1	51	*	55	130
		Tetrachloro-m-xyl	2	20	15.5	77		42	129
Q2639-05	OU4-TS-40-071725	Decachlorobiphen	1	20	12.9	64		55	130
		Tetrachloro-m-xyl	1	20	15.9	80		42	129
		Decachlorobiphen	2	20	9.36	47	*	55	130
		Tetrachloro-m-xyl	2	20	15.0	75		42	129
Q2639-07	OU4-TS-41-071725	Decachlorobiphen	1	20	11.5	58		55	130
		Tetrachloro-m-xyl	1	20	14.2	71		42	129
		Decachlorobiphen	2	20	8.26	41	*	55	130
		Tetrachloro-m-xyl	2	20	13.7	69		42	129
Q2639-09	OU4-TS-42-071725	Decachlorobiphen	1	20	6.43	32	*	55	130
		Tetrachloro-m-xyl	1	20	11.9	60		42	129
		Decachlorobiphen	2	20	6.21	31	*	55	130
		Tetrachloro-m-xyl	2	20	12.8	64		42	129
Q2639-11	OU4-TS-43-071725	Decachlorobiphen	1	20	5.84	29	*	55	130
		Tetrachloro-m-xyl	1	20	11.1	55		42	129
		Decachlorobiphen	2	20	6.25	31	*	55	130
		Tetrachloro-m-xyl	2	20	11.7	58		42	129
Q2639-13	OU4-TS-44-071725	Decachlorobiphen	1	20	6.45	32	*	55	130
		Tetrachloro-m-xyl	1	20	9.99	50		42	129
		Decachlorobiphen	2	20	5.84	29	*	55	130
		Tetrachloro-m-xyl	2	20	10.4	52		42	129
I.BLK-PD089619.D	PIBLK-PD089619.D	Decachlorobiphen	1	20	20.3	101		30	135
		Tetrachloro-m-xyl	1	20	20.8	104		44	124
		Decachlorobiphen	2	20	17.4	87		30	135
		Tetrachloro-m-xyl	2	20	22.5	113		44	124
I.BLK-PD089627.D	PIBLK-PD089627.D	Decachlorobiphen	1	20	24.3	121		30	135

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Surrogate Summary

SDG No.: Q2639

Client: Nobis Group

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PD089627.D	PIBLK-PD089627.D	Tetrachloro-m-xyl	1	20	23.5	118		44	124
		Decachlorobiphen	2	20	23.0	115		30	135
		Tetrachloro-m-xyl	2	20	24.4	122		44	124
Q2639-09RE	OU4-TS-42-071725RE	Decachlorobiphen	1	20	7.74	39	*	55	130
		Tetrachloro-m-xyl	1	20	12.2	61		42	129
		Decachlorobiphen	2	20	7.08	35	*	55	130
		Tetrachloro-m-xyl	2	20	13.1	66		42	129
Q2639-11RE	OU4-TS-43-071725RE	Decachlorobiphen	1	20	6.70	33	*	55	130
		Tetrachloro-m-xyl	1	20	11.7	58		42	129
		Decachlorobiphen	2	20	6.73	34	*	55	130
		Tetrachloro-m-xyl	2	20	12.4	62		42	129
Q2639-13RE	OU4-TS-44-071725RE	Decachlorobiphen	1	20	6.12	31	*	55	130
		Tetrachloro-m-xyl	1	20	10.6	53		42	129
		Decachlorobiphen	2	20	6.62	33	*	55	130
		Tetrachloro-m-xyl	2	20	10.7	54		42	129
I.BLK-PD089632.D	PIBLK-PD089632.D	Decachlorobiphen	1	20	22.8	114		30	135
		Tetrachloro-m-xyl	1	20	23.4	117		44	124
		Decachlorobiphen	2	20	20.9	105		30	135
		Tetrachloro-m-xyl	2	20	24.7	123		44	124
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

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Surrogate Summary

SDG No.: Q2639

Client: Nobis Group

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
Q2635-01MSD	RT2286MSD	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

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2639 **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.: Q2639 **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.: Q2639 **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.: Q2639 **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.: Q2639 **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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PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168928BL

Lab Name: Alliance | Contract: NOBI03

Lab Code: ACE | SDG NO.: Q2639

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
OU4-TS-38-071725	Q2639-01	PD089612.D	07/23/2025	07/23/2025
OU4-TS-39-071725	Q2639-03	PD089613.D	07/23/2025	07/23/2025
OU4-TS-40-071725	Q2639-05	PD089614.D	07/23/2025	07/23/2025
OU4-TS-41-071725	Q2639-07	PD089615.D	07/23/2025	07/23/2025
OU4-TS-42-071725	Q2639-09	PD089616.D	07/23/2025	07/23/2025
OU4-TS-43-071725	Q2639-11	PD089617.D	07/23/2025	07/23/2025
OU4-TS-44-071725	Q2639-13	PD089618.D	07/23/2025	07/23/2025
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

COMMENTS:

SAMPLE DATA

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-38-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.6 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
PD089612.D	1	07/21/25 08:30	07/23/25 18:57	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	0.00024	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	0.0015	JP	0.00017	0.00041	0.0021	mg/Kg
72-55-9	4,4-DDE	0.00057	J	0.00017	0.00041	0.0021	mg/Kg
72-20-8	Endrin	0.0041	P	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	0.0031	P	0.00019	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	0.0061		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	0.00024	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	0.00083	J	0.00015	0.00041	0.0021	mg/Kg
5103-74-2	gamma-Chlordane	0.00060	JP	0.00019	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	12.7		55 - 130		64%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.7		42 - 129		73%	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-38-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.6 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
PD089612.D	1	07/21/25 08:30	07/23/25 18:57	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_D\Data\PD072425\
Data File : PD089612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 18:57
Operator : AR\AJ
Sample : Q2639-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-38-071725

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:13:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.546	2.877	41278753	287.1E6	14.326m	14.671m
28)	SA Decachlor...	9.068	8.067	52232945	235.3E6	12.718m	9.579
	Target Compounds						
10)	B gamma-Chl...	5.940	5.120	4117405	38891370	0.868m	1.454m#
11)	B alpha-Chl...	6.026	5.186	9546625	40890695	2.003	1.585m
12)	B 4,4'-DDE	6.193	5.373	4681217	36239625	1.090m	1.380 #
13)	MA Dieldrin	6.346	5.507	4362657	96626891	0.924m	3.656m#
14)	MA Endrin	6.571	5.789	9393068	239.4E6	2.306m	9.901m#
16)	A 4,4'-DDD	6.697	5.925	25074020	71038339	7.399m	3.241m#
17)	MA 4,4'-DDT	7.018	6.179	55713529	334.3E6	14.767	14.281

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

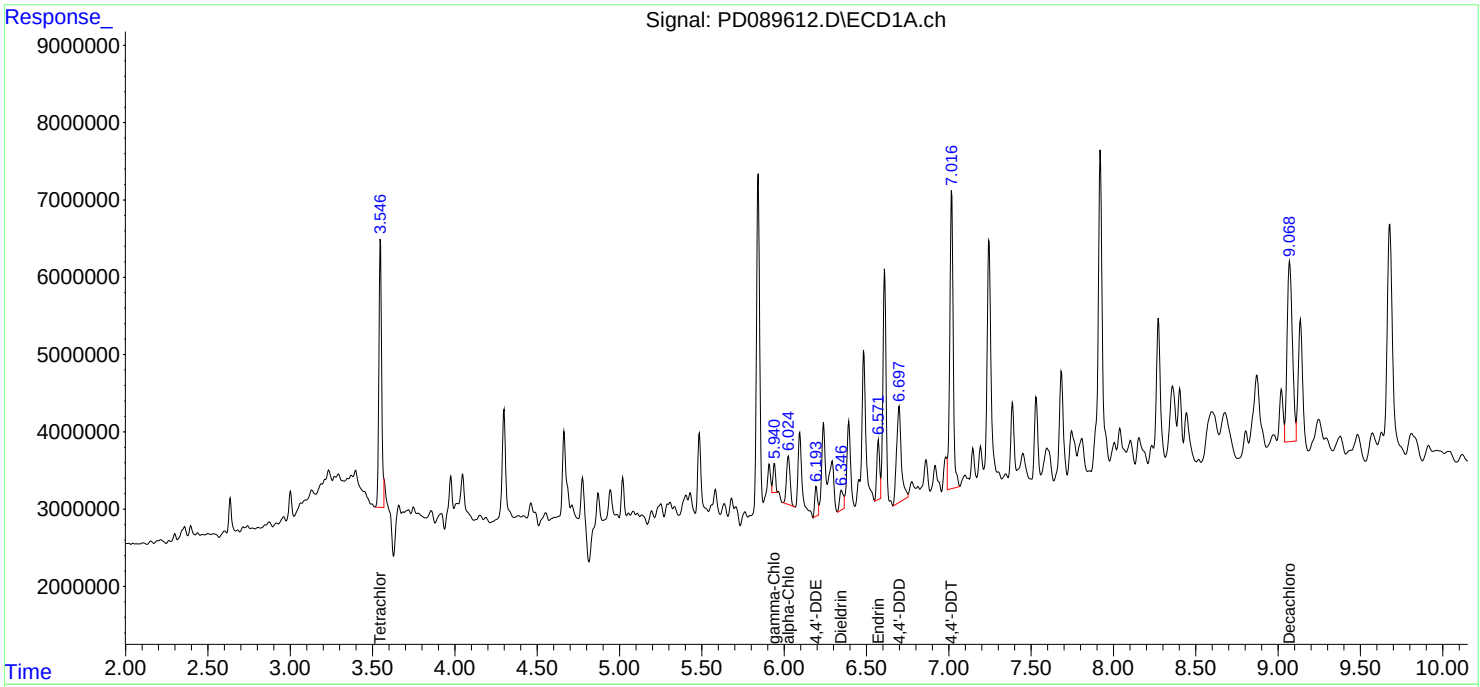
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 18:57
Operator : AR\AJ
Sample : Q2639-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

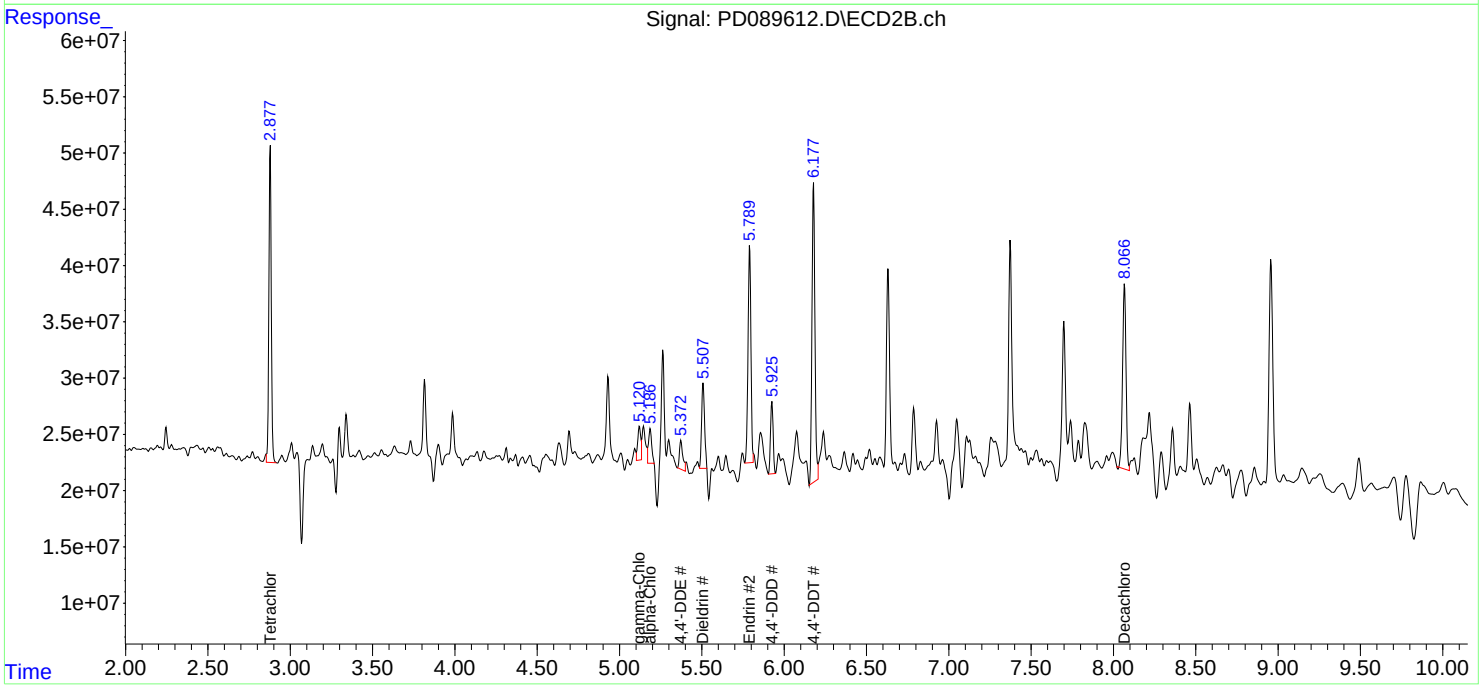
Instrument :
ECD_D
ClientSampleId :
OU4-TS-38-071725

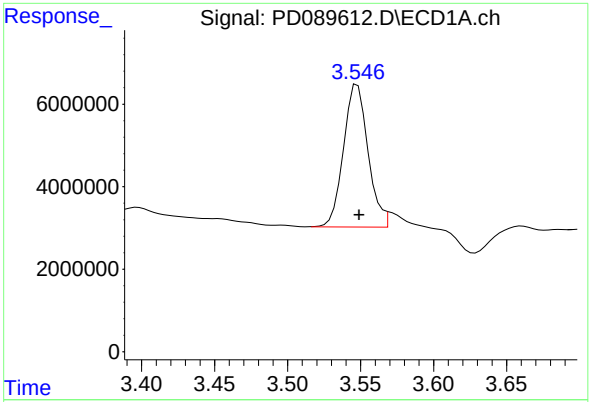
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:13:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: -0.003 min
Response: 41278753
Conc: 14.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-38-071725

Manual Integrations APPROVED

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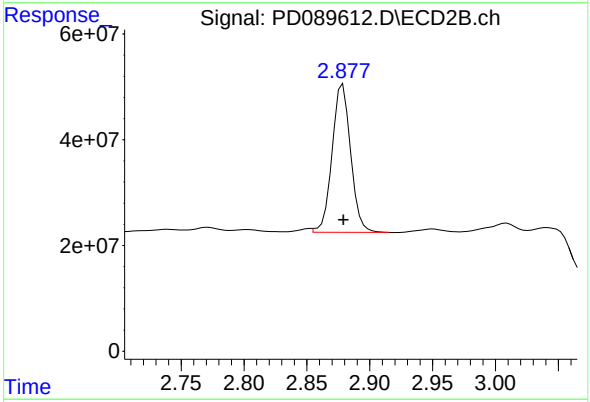
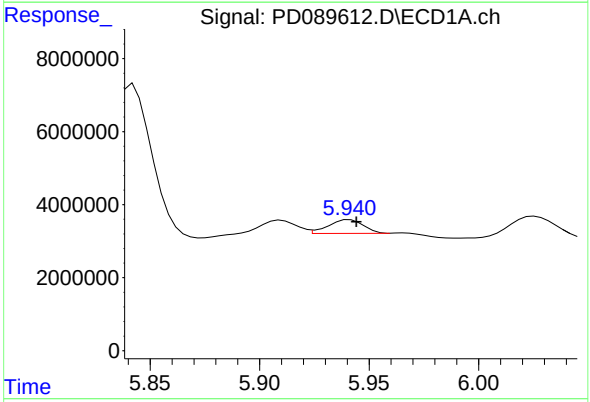
Supervised By :mohammad ahmed 07/24/2025



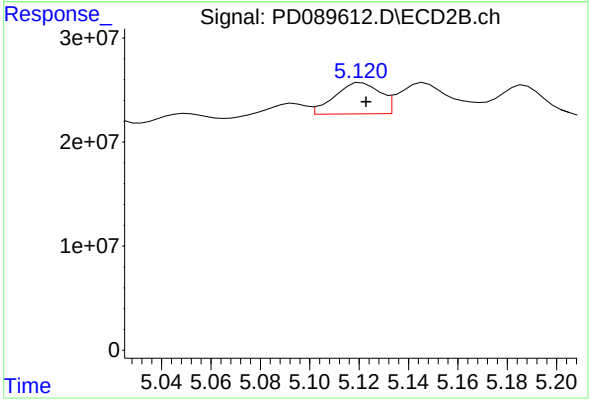
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: -0.002 min
Response: 287056569
Conc: 14.67 ng/ml m



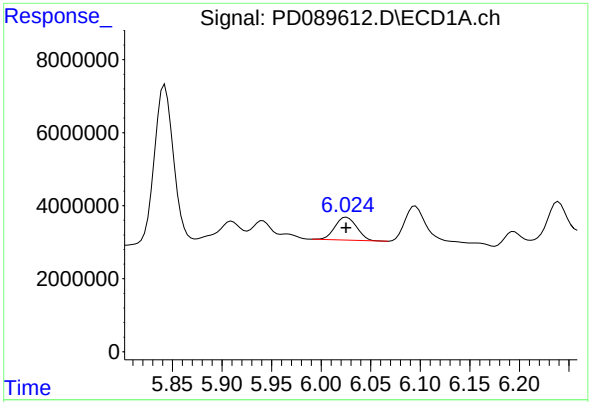
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.004 min
Response: 4117405
Conc: 0.87 ng/ml m



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: -0.003 min
Response: 38891370
Conc: 1.45 ng/ml m



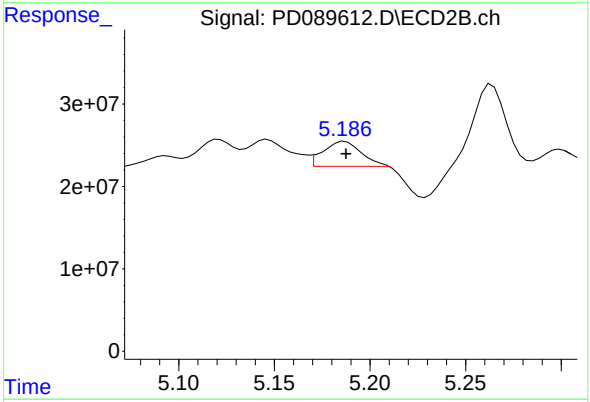
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.000 min
Response: 9546625
Conc: 2.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-38-071725

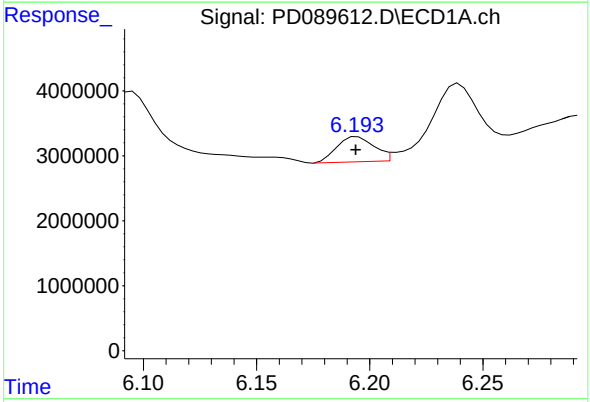
Manual Integrations APPROVED

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



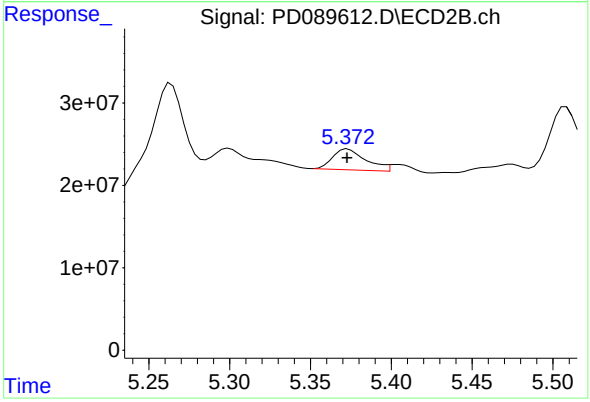
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: -0.002 min
Response: 40890695
Conc: 1.59 ng/ml m



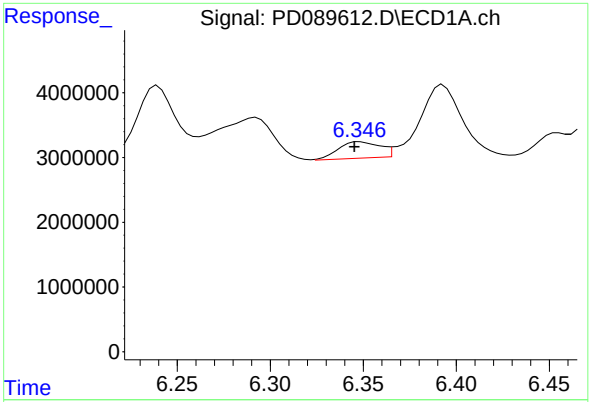
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 4681217
Conc: 1.09 ng/ml m



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 36239625
Conc: 1.38 ng/ml



#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.001 min
Response: 4362657
Conc: 0.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-38-071725

Manual Integrations APPROVED

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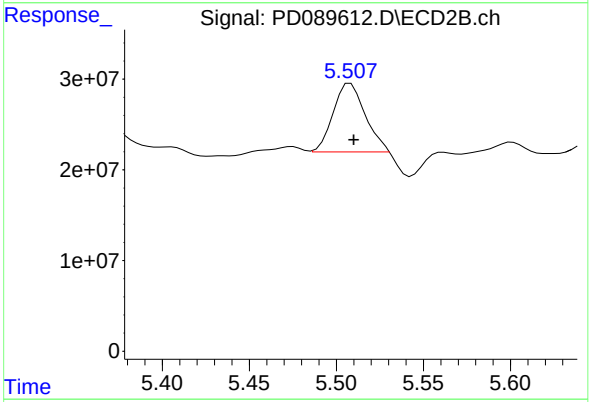
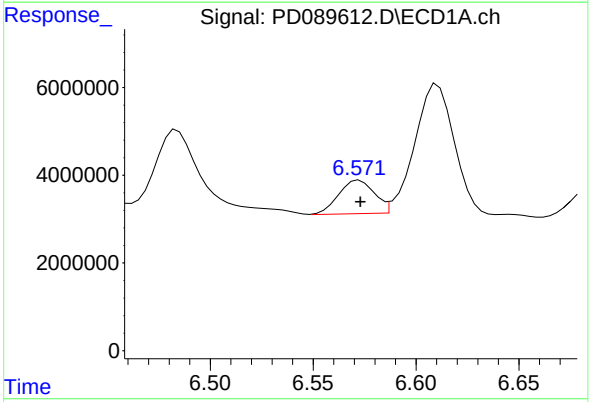
Supervised By :mohammad ahmed 07/24/2025



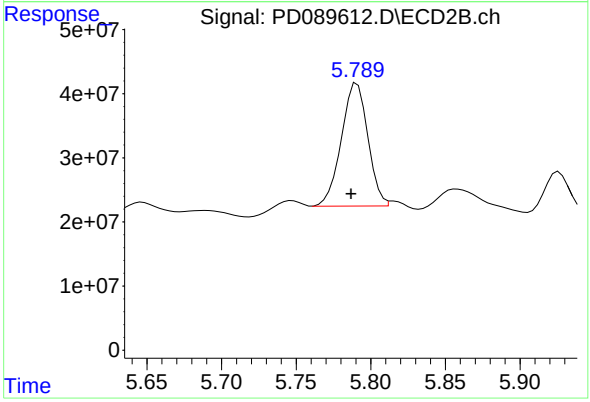
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: -0.003 min
Response: 96626891
Conc: 3.66 ng/ml m



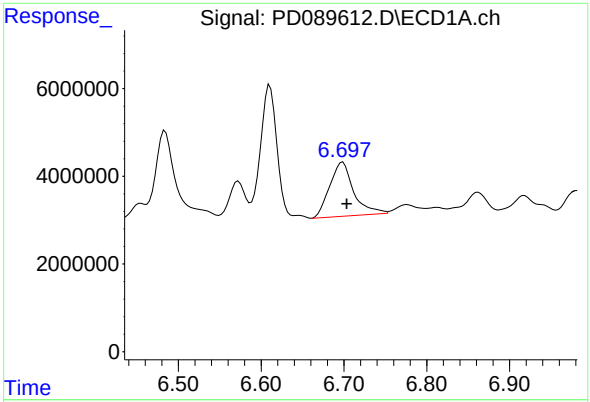
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 9393068
Conc: 2.31 ng/ml m



#14 Endrin

R.T.: 5.789 min
Delta R.T.: 0.003 min
Response: 239418280
Conc: 9.90 ng/ml m



#16 4,4'-DDD

R.T.: 6.697 min
Delta R.T.: -0.006 min
Response: 25074020
Conc: 7.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-38-071725

Manual Integrations APPROVED

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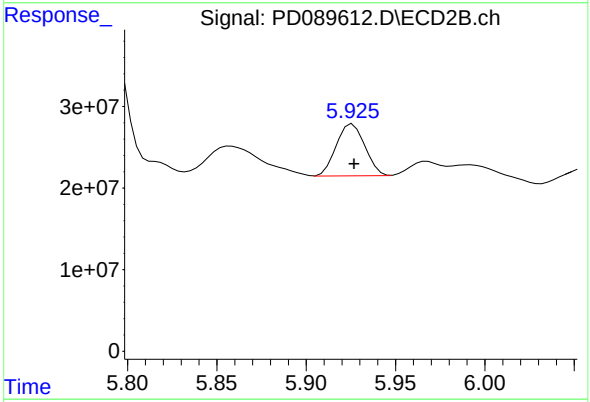
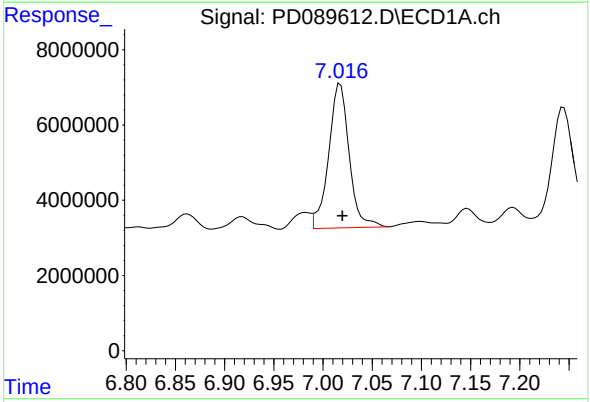
Supervised By :mohammad ahmed 07/24/2025



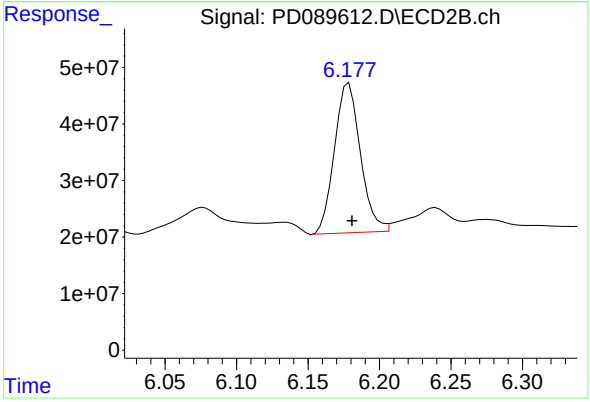
#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: -0.002 min
Response: 71038339
Conc: 3.24 ng/ml m



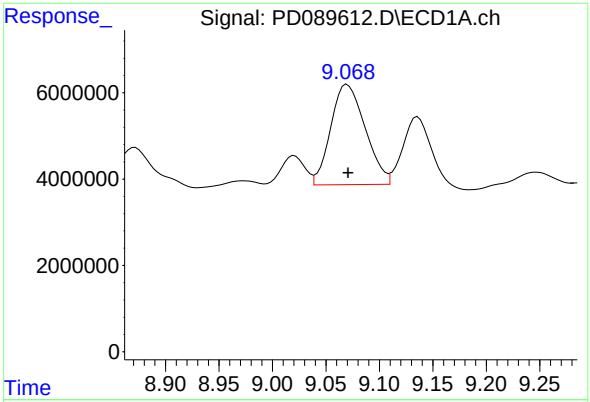
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: -0.002 min
Response: 55713529
Conc: 14.77 ng/ml



#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 334284823
Conc: 14.28 ng/ml



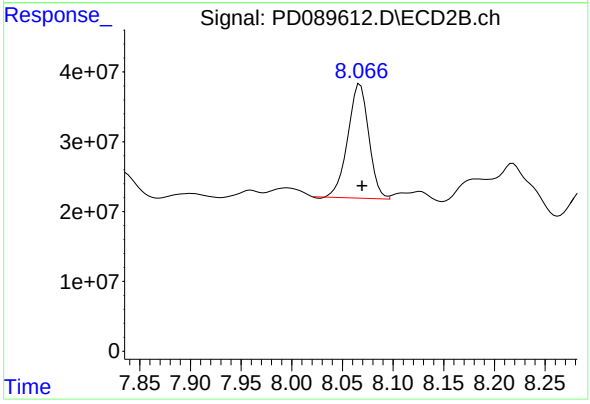
#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.002 min
Response: 52232945
Conc: 12.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-38-071725

Manual Integrations APPROVED

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



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.002 min
Response: 235332115
Conc: 9.58 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-39-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	81 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
PD089613.D	1	07/21/25 08:30	07/23/25 19:10	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	0.00041	U	0.00017	0.00041	0.0021	mg/Kg
72-55-9	4,4-DDE	0.00055	J	0.00017	0.00041	0.0021	mg/Kg
72-20-8	Endrin	0.0010	J	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	0.0030	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	0.0017	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	0.00087	J	0.00015	0.00041	0.0021	mg/Kg
5103-74-2	gamma-Chlordane	0.00057	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	16.1		42 - 129		80%	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-39-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	81 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
PD089613.D	1	07/21/25 08:30	07/23/25 19:10	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_D\Data\PD072425\
Data File : PD089613.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:10
Operator : AR\AJ
Sample : Q2639-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-39-071725

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:14:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.877	46296597	303.2E6	16.068	15.494m
28)	SA Decachlor...	9.069	8.067	58145470	249.2E6	14.158m	10.145 #
	Target Compounds						
10)	B gamma-Chl...	5.941	5.120	6534070	32808772	1.378m	1.226m
11)	B alpha-Chl...	6.027	5.186	10091364	42729821	2.117	1.657m
12)	B 4,4'-DDE	6.194	5.373	5215468	34950090	1.215m	1.331
14)	MA Endrin	6.571	5.788	10313441	46403560	2.532m	1.919m
16)	A 4,4'-DDD	6.696	5.925	24739673	63625399	7.301m	2.902m#
17)	MA 4,4'-DDT	7.017	6.177	12580878	96211920	3.335m	4.110

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

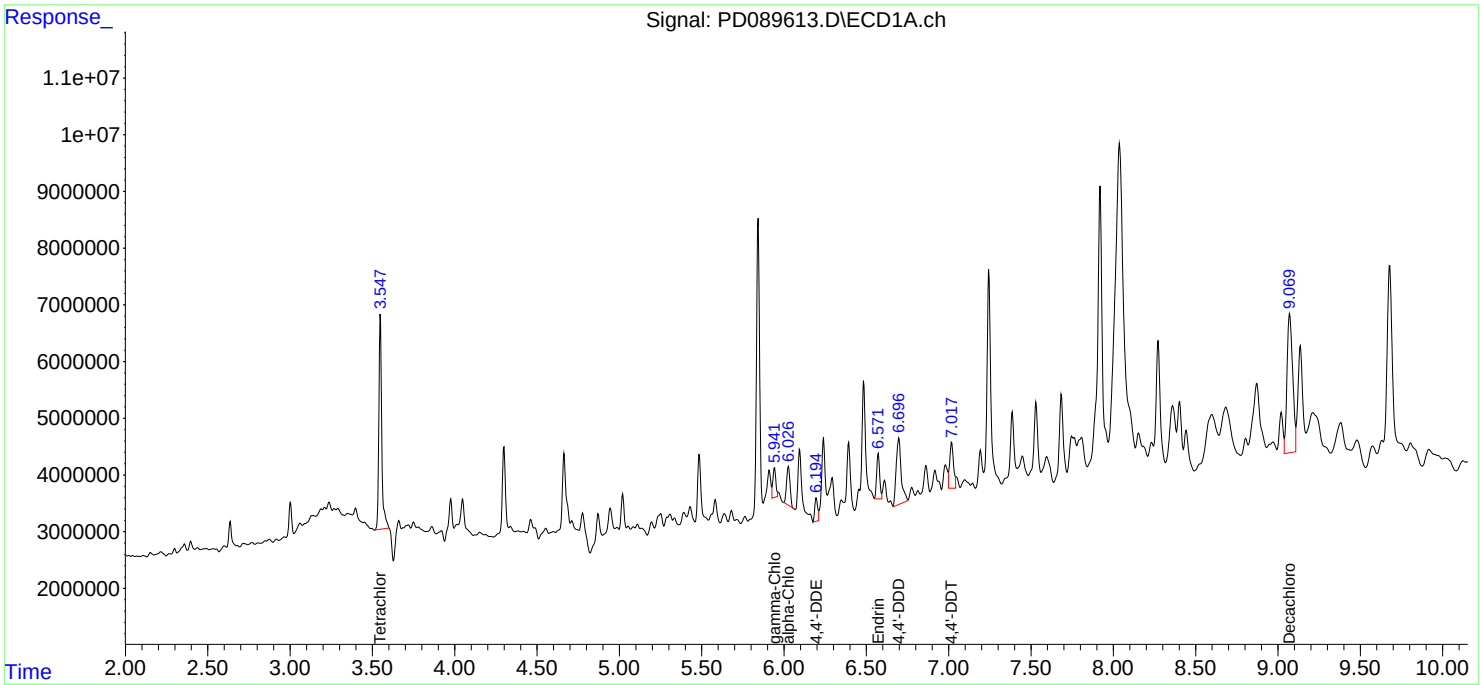
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089613.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:10
Operator : AR\AJ
Sample : Q2639-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

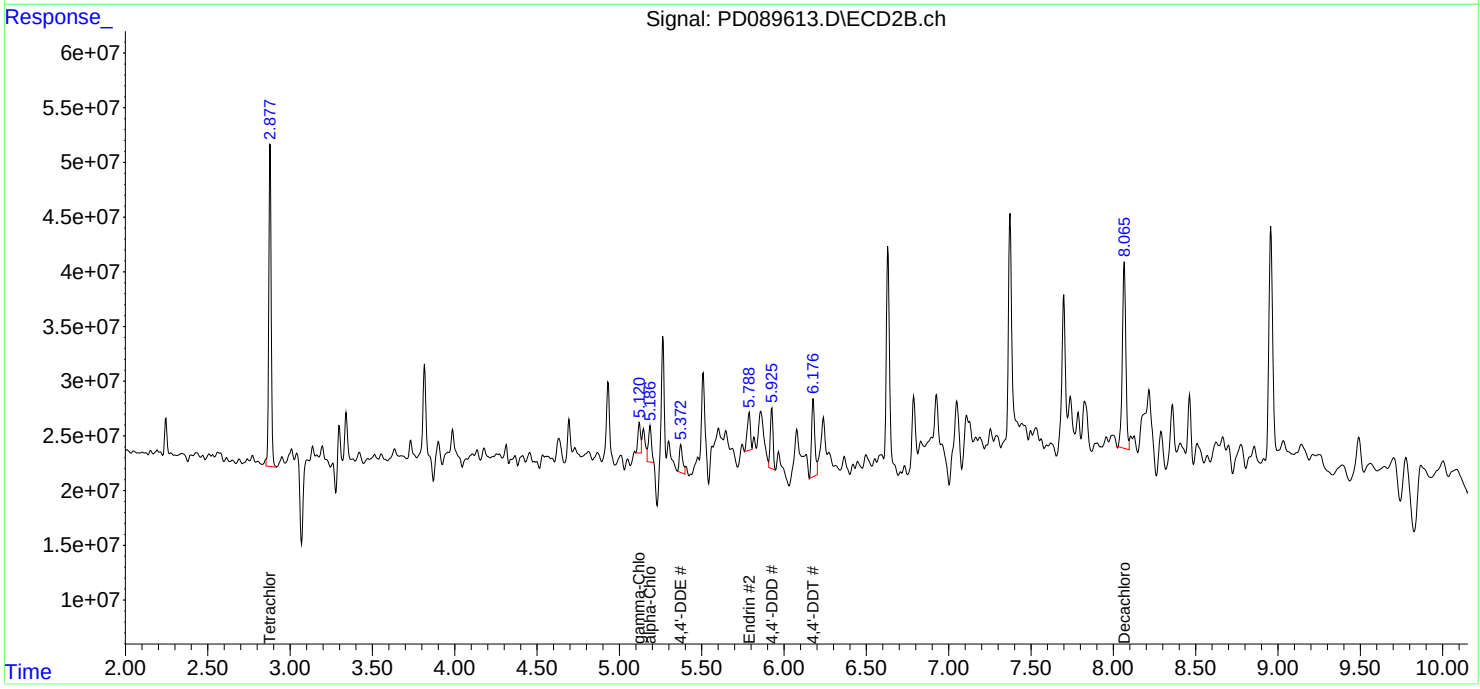
Instrument :
ECD_D
ClientSampleId :
OU4-TS-39-071725

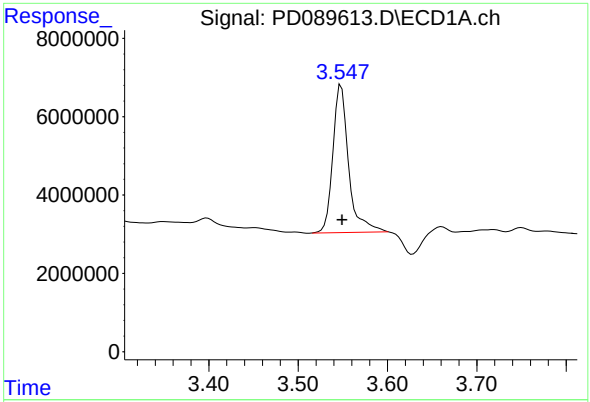
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:14:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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







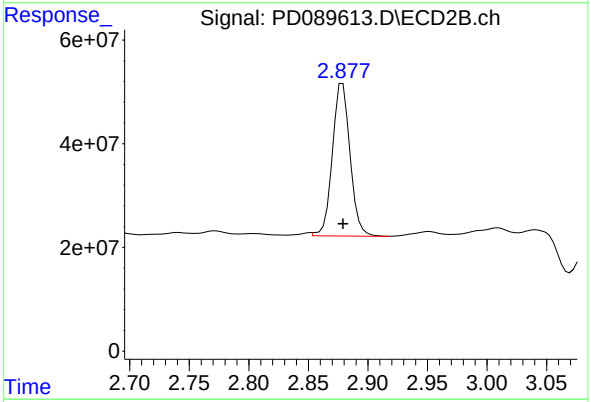
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 46296597
Conc: 16.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-39-071725

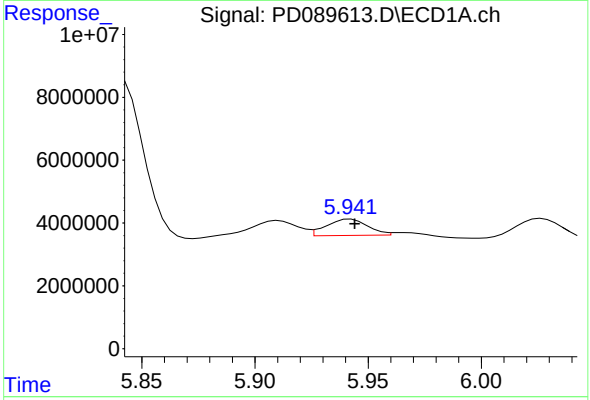
Manual Integrations APPROVED

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



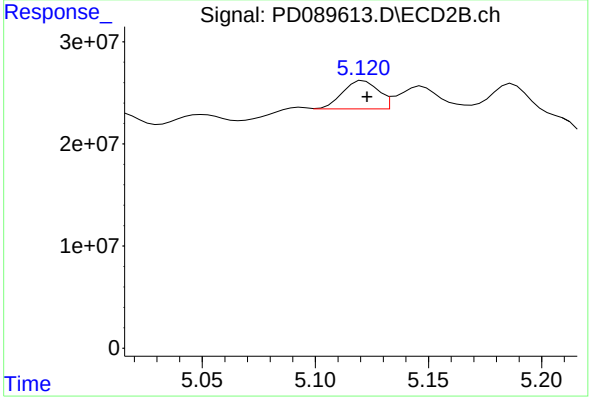
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: -0.002 min
Response: 303160842
Conc: 15.49 ng/ml m



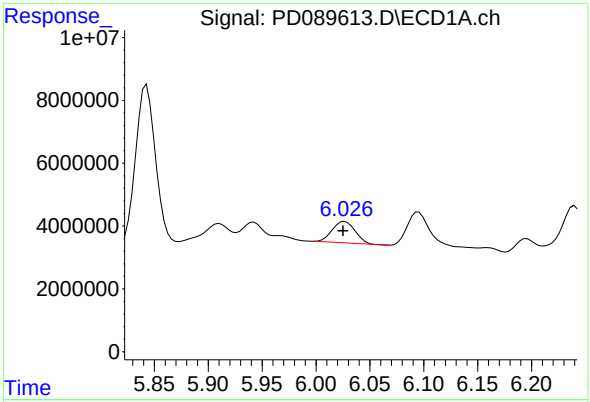
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: -0.003 min
Response: 6534070
Conc: 1.38 ng/ml m



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: -0.003 min
Response: 32808772
Conc: 1.23 ng/ml m



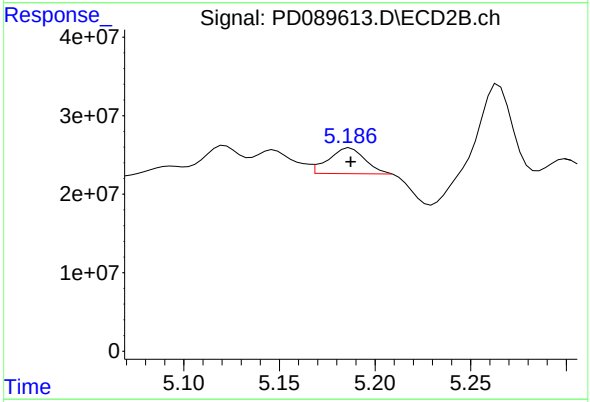
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.001 min
Response: 10091364
Conc: 2.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-39-071725

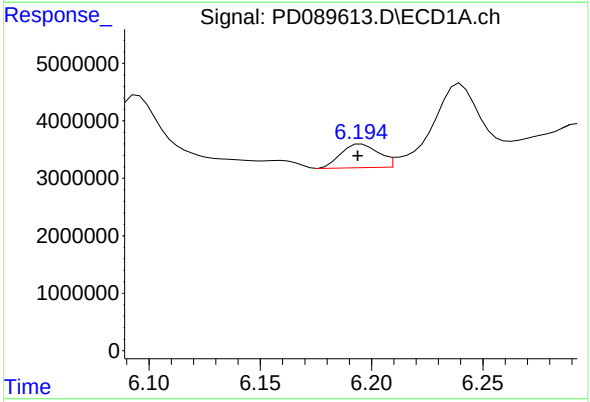
Manual Integrations APPROVED

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



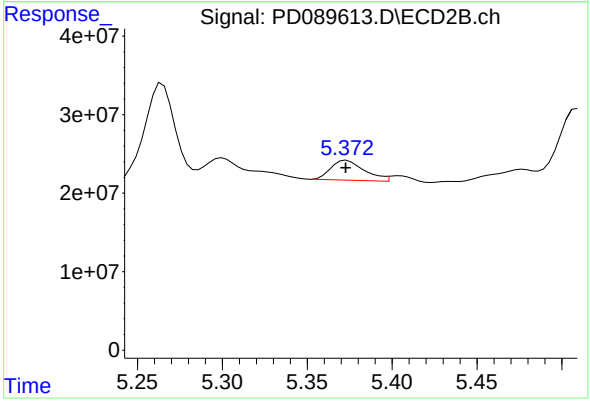
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: -0.002 min
Response: 42729821
Conc: 1.66 ng/ml m



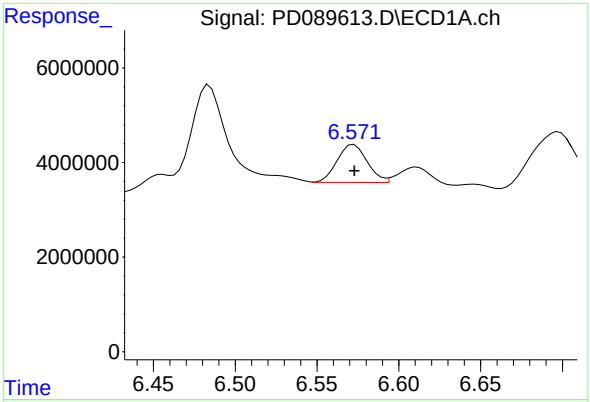
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 5215468
Conc: 1.21 ng/ml m



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 34950090
Conc: 1.33 ng/ml



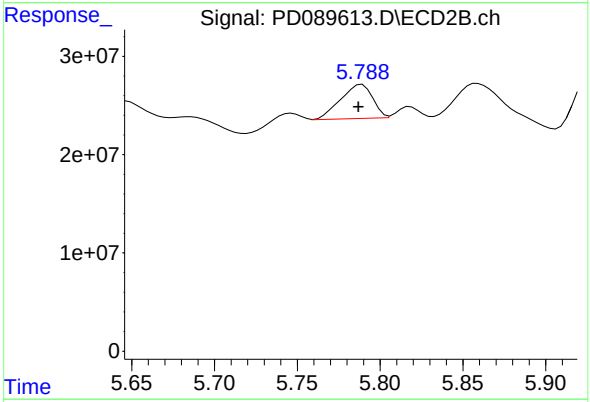
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 10313441
Conc: 2.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-39-071725

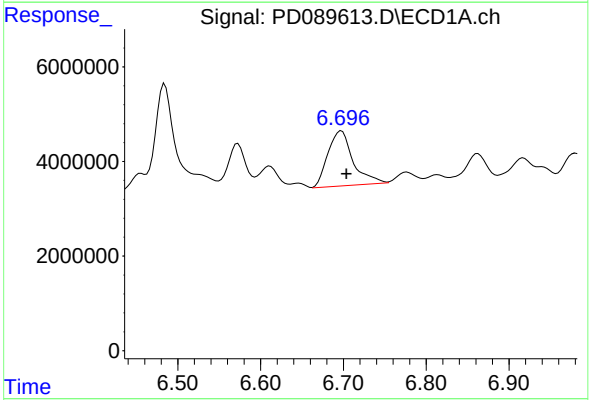
Manual Integrations APPROVED

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



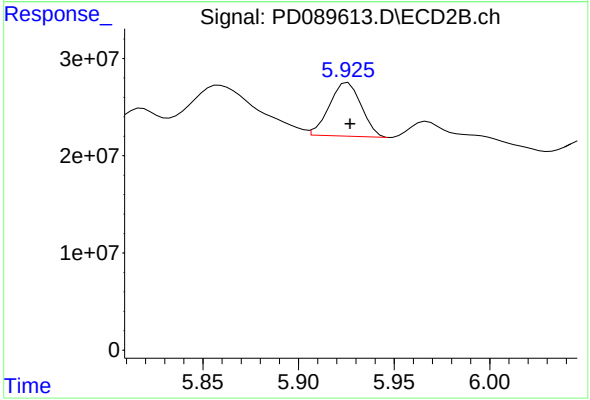
#14 Endrin

R.T.: 5.788 min
Delta R.T.: 0.001 min
Response: 46403560
Conc: 1.92 ng/ml m



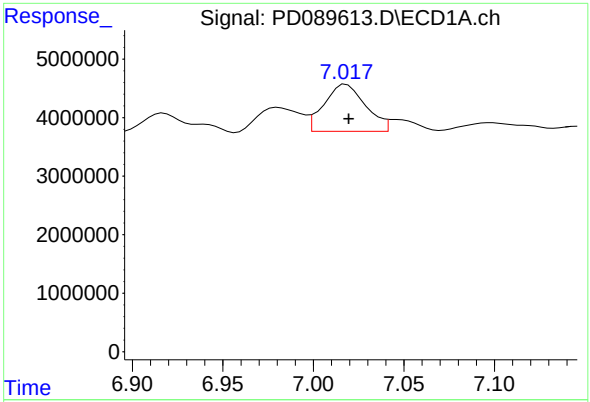
#16 4,4'-DDD

R.T.: 6.696 min
Delta R.T.: -0.007 min
Response: 24739673
Conc: 7.30 ng/ml m



#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: -0.002 min
Response: 63625399
Conc: 2.90 ng/ml m



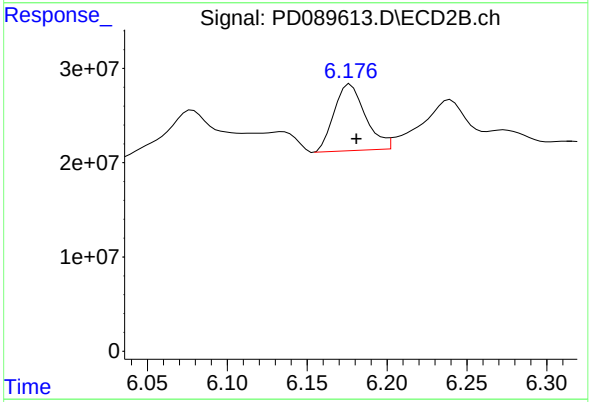
#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: -0.003 min
Response: 12580878
Conc: 3.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-39-071725

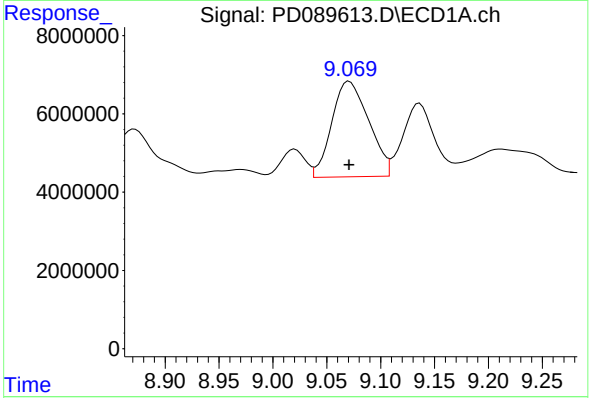
Manual Integrations APPROVED

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



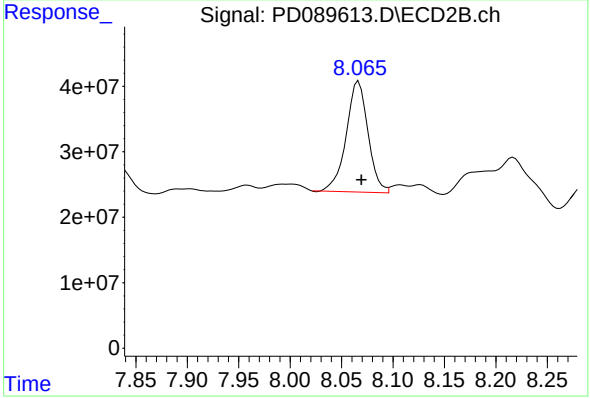
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: -0.004 min
Response: 96211920
Conc: 4.11 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.001 min
Response: 58145470
Conc: 14.16 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.003 min
Response: 249240902
Conc: 10.14 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-40-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.7 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089614.D	1	07/21/25 08:30	07/23/25 19:24	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	0.00024	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	0.00041	U	0.00017	0.00041	0.0021	mg/Kg
72-55-9	4,4-DDE	0.00044	J	0.00017	0.00041	0.0021	mg/Kg
72-20-8	Endrin	0.00087	J	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	0.0026	P	0.00019	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	0.0017	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	0.00024	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	0.00075	J	0.00015	0.00041	0.0021	mg/Kg
5103-74-2	gamma-Chlordane	0.00038	J	0.00019	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	12.9		55 - 130		64%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.9		42 - 129		80%	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-40-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.7 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089614.D	1	07/21/25 08:30	07/23/25 19:24	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_D\Data\PD072425\
Data File : PD089614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:24
Operator : AR\AJ
Sample : Q2639-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-40-071725

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:14:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.877	45931223	292.8E6	15.941	14.964m
28)	SA Decachlor...	9.070	8.066	52821261	230.0E6	12.861m	9.362 #
	Target Compounds						
10)	B gamma-Chl...	5.940	5.120	4356725	19567308	0.919m	0.731m
11)	B alpha-Chl...	6.027	5.185	8720142	34983134	1.829	1.356m#
12)	B 4,4'-DDE	6.193	5.373	3831361	28138204	0.892m	1.072
14)	MA Endrin	6.571	5.786	8624638	35064082	2.118m	1.450m#
16)	A 4,4'-DDD	6.696	5.924	21521779	60488897	6.351m	2.759m#
17)	MA 4,4'-DDT	7.018	6.177	12287711	96729100	3.257	4.132 #

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

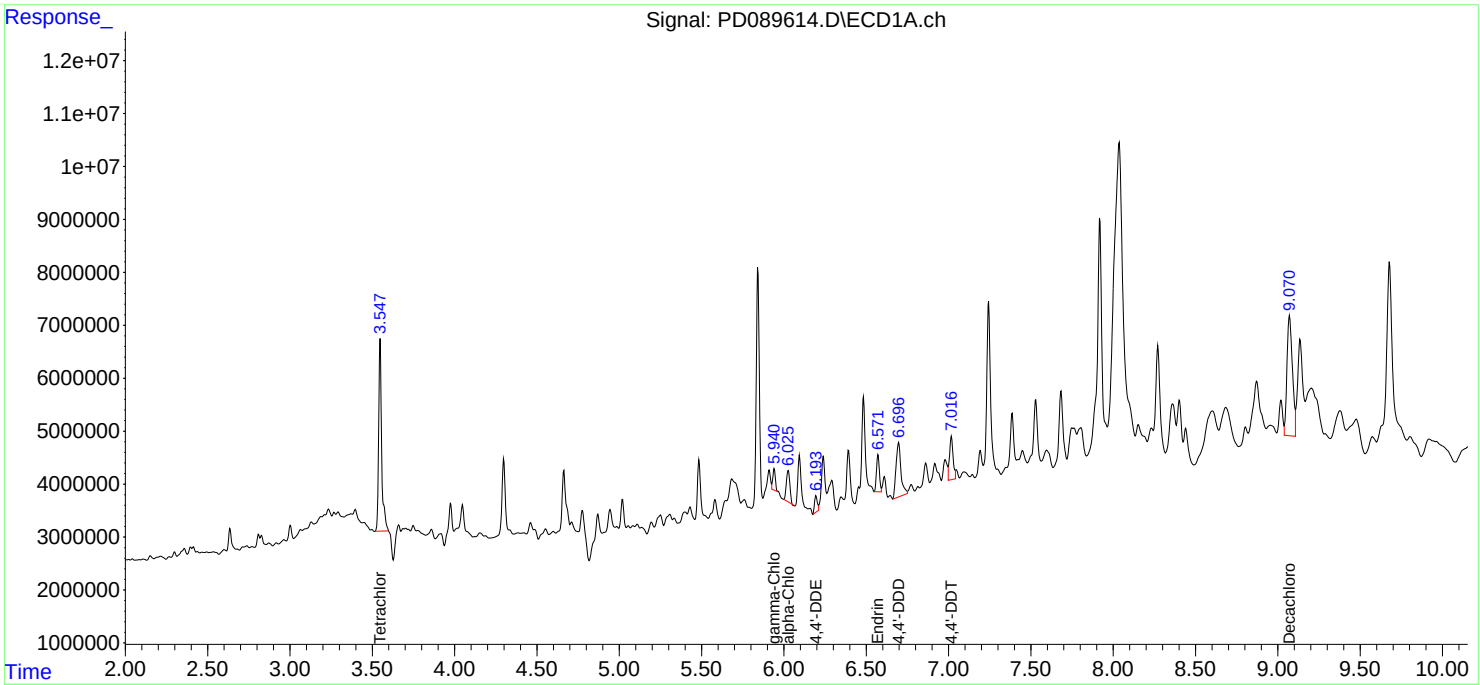
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:24
Operator : AR\AJ
Sample : Q2639-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

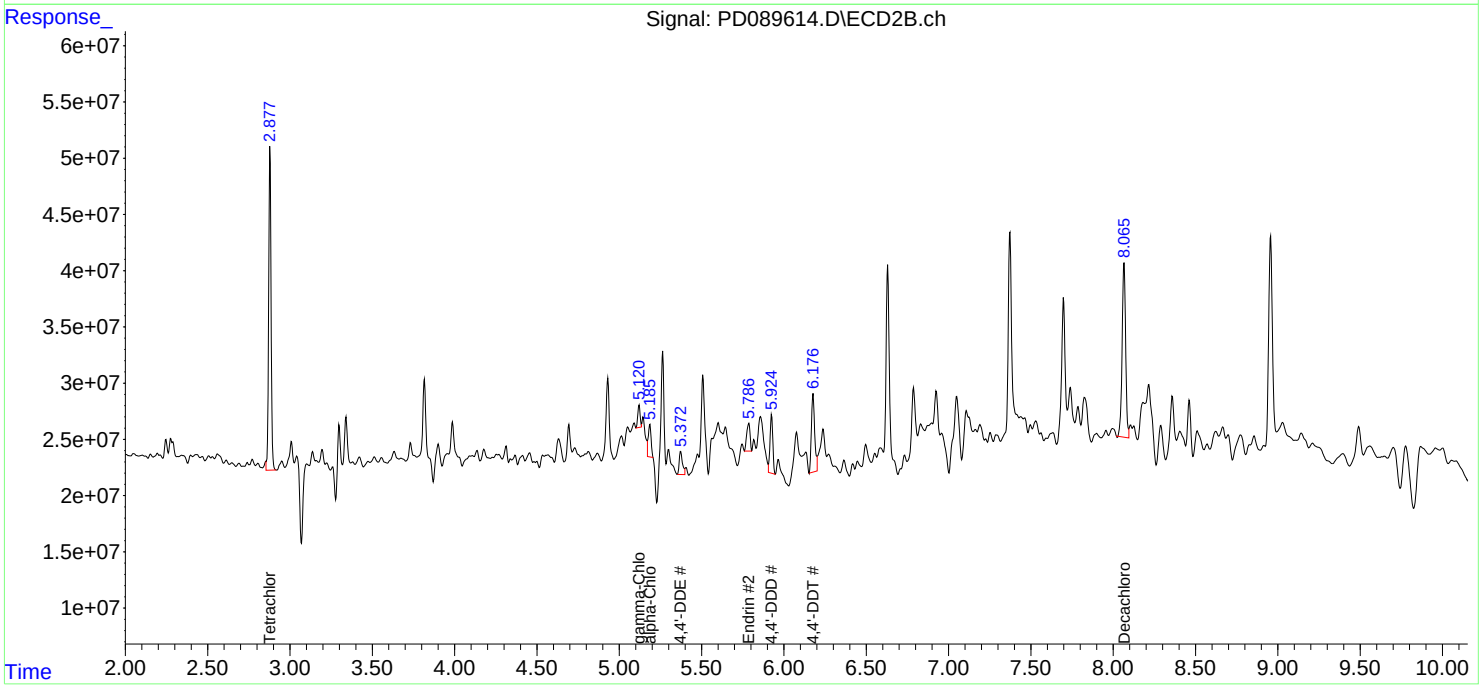
Instrument :
ECD_D
ClientSampleId :
OU4-TS-40-071725

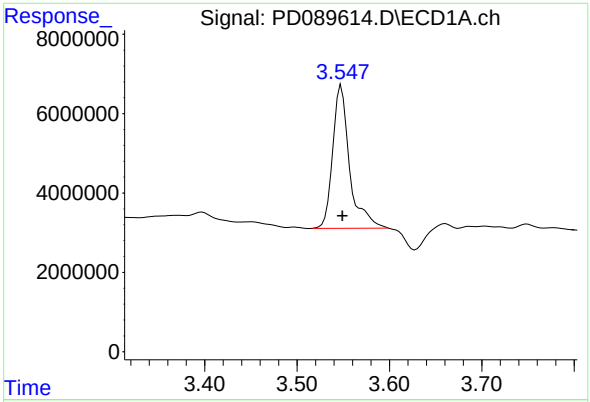
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:14:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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







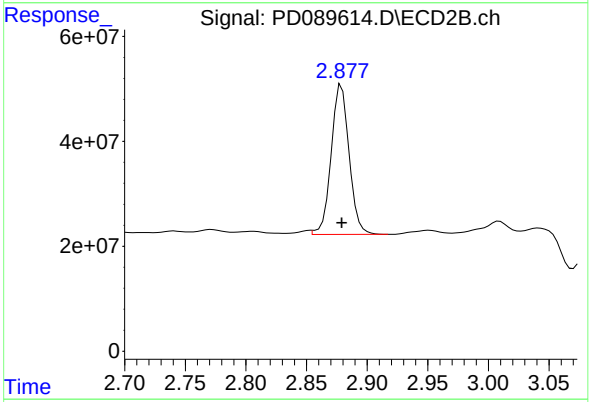
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: -0.001 min
Response: 45931223
Conc: 15.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-40-071725

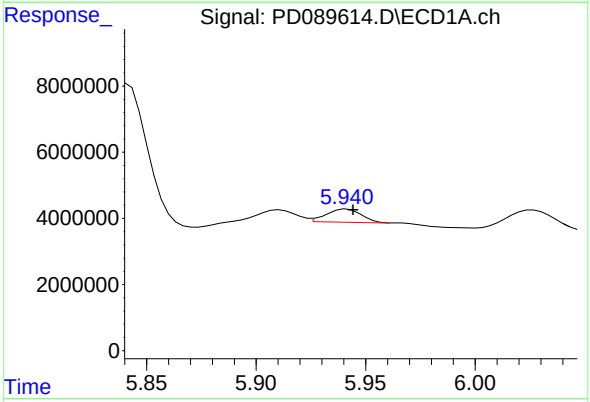
Manual Integrations APPROVED

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



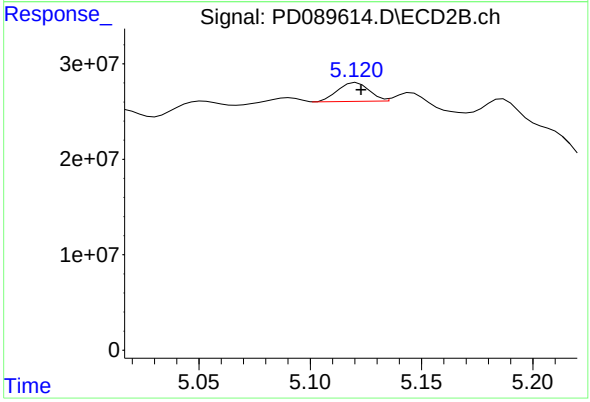
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: -0.002 min
Response: 292781189
Conc: 14.96 ng/ml m



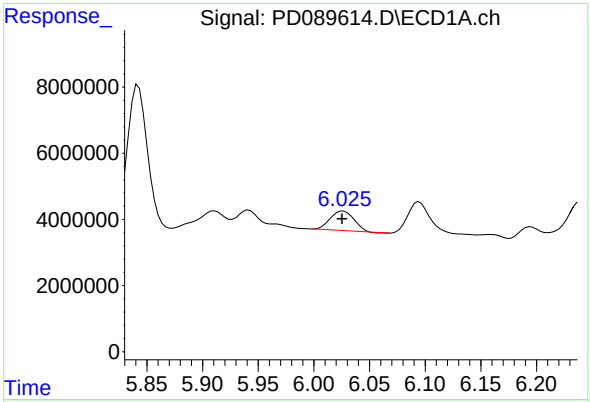
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.004 min
Response: 4356725
Conc: 0.92 ng/ml m



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: -0.003 min
Response: 19567308
Conc: 0.73 ng/ml m



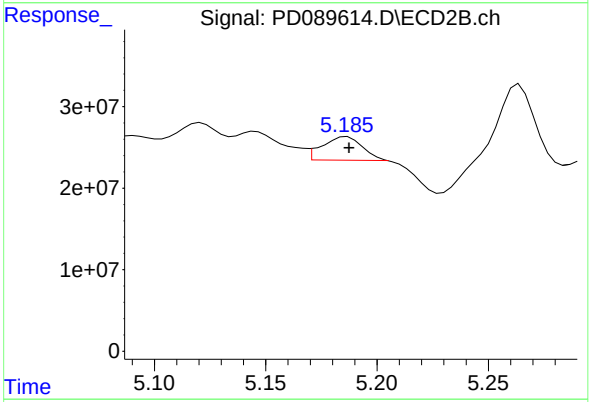
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.001 min
Response: 8720142
Conc: 1.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-40-071725

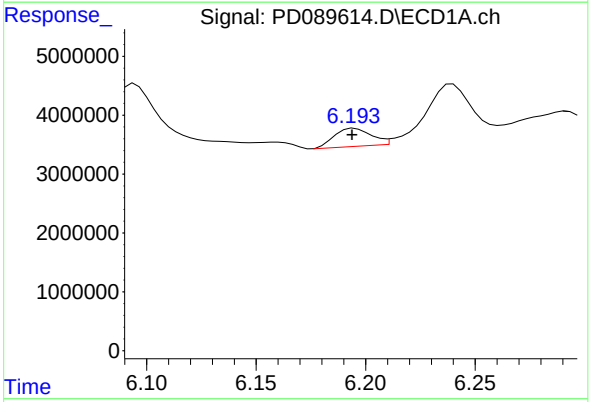
Manual Integrations APPROVED

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



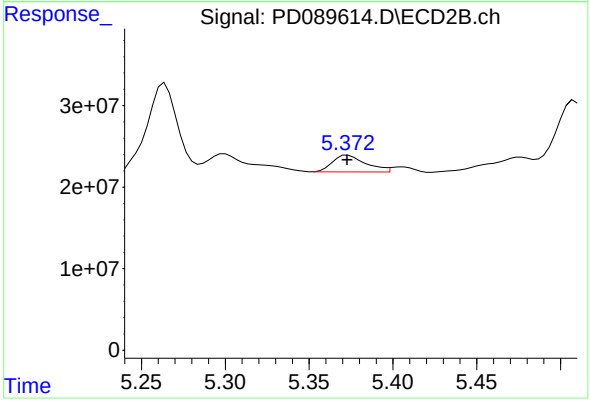
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: -0.002 min
Response: 34983134
Conc: 1.36 ng/ml m



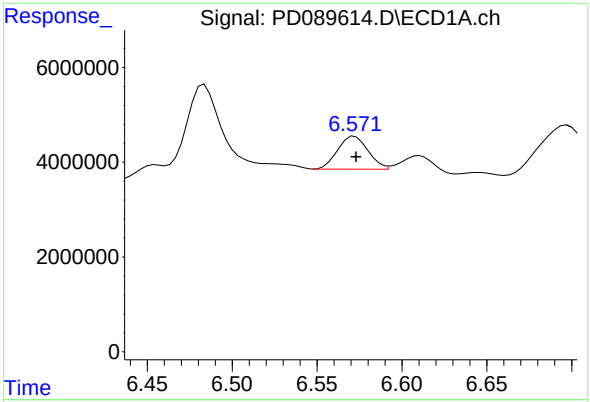
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 3831361
Conc: 0.89 ng/ml m



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 28138204
Conc: 1.07 ng/ml



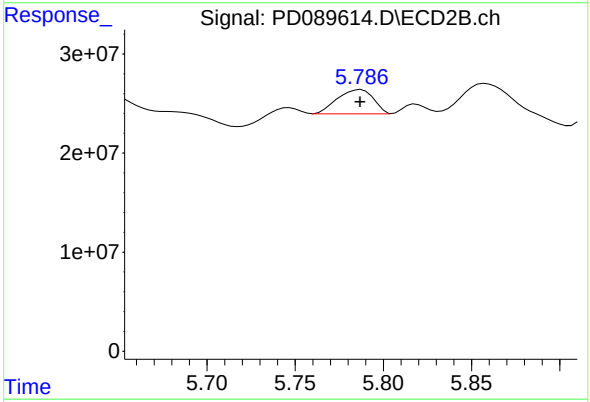
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 8624638
Conc: 2.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-40-071725

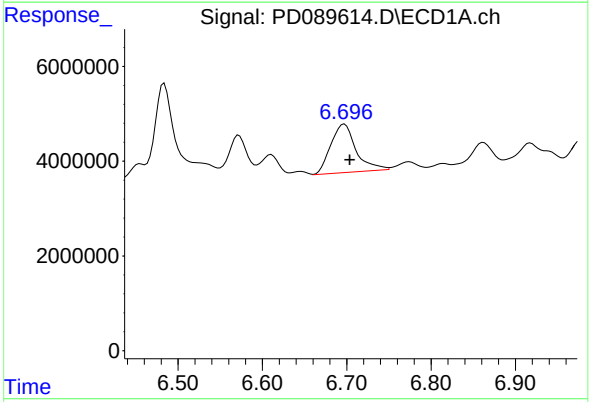
Manual Integrations APPROVED

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



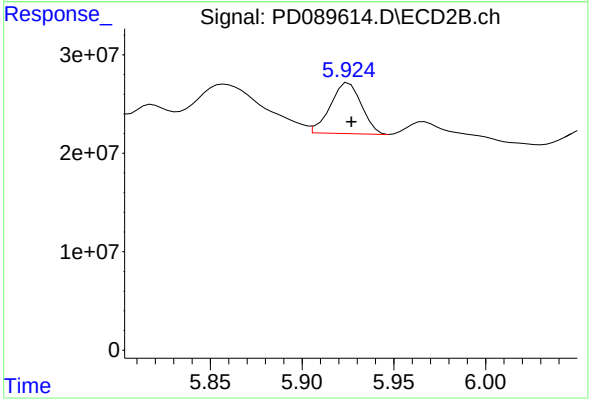
#14 Endrin

R.T.: 5.786 min
Delta R.T.: 0.000 min
Response: 35064082
Conc: 1.45 ng/ml m



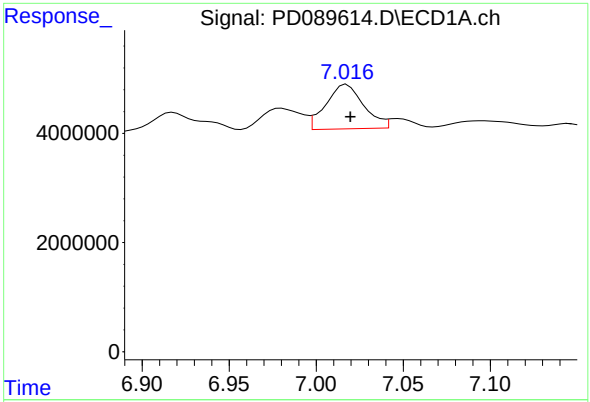
#16 4,4'-DDD

R.T.: 6.696 min
Delta R.T.: -0.007 min
Response: 21521779
Conc: 6.35 ng/ml m



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: -0.003 min
Response: 60488897
Conc: 2.76 ng/ml m



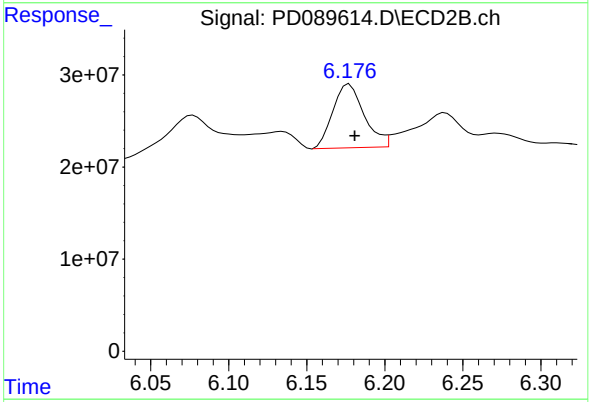
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: -0.002 min
Response: 12287711
Conc: 3.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-40-071725

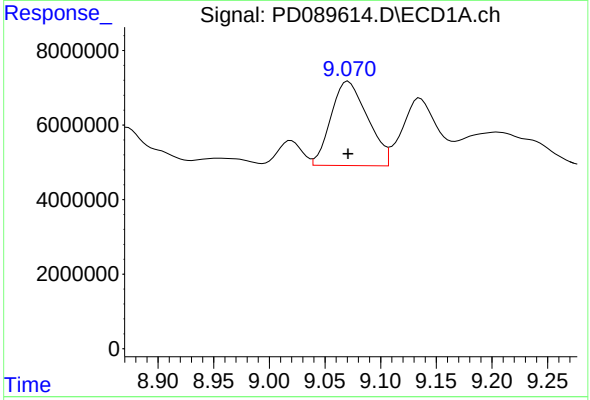
Manual Integrations APPROVED

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



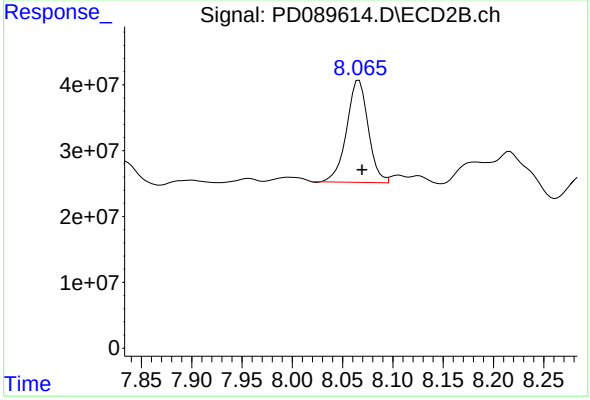
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: -0.003 min
Response: 96729100
Conc: 4.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: -0.001 min
Response: 52821261
Conc: 12.86 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.003 min
Response: 230011755
Conc: 9.36 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-41-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	82 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089615.D	1	07/21/25 08:30	07/23/25 19:38	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	0.00040	U	0.00017	0.00040	0.0021	mg/Kg
72-55-9	4,4-DDE	0.00043	J	0.00017	0.00040	0.0021	mg/Kg
72-20-8	Endrin	0.00077	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	0.0024	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	0.00067	J	0.00015	0.00040	0.0021	mg/Kg
5103-74-2	gamma-Chlordane	0.00056	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	11.5		55 - 130		58%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.2		42 - 129		71%	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-41-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	82 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089615.D	1	07/21/25 08:30	07/23/25 19:38	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_D\Data\PD072425\
Data File : PD089615.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:38
Operator : AR\AJ
Sample : Q2639-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-41-071725

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:14:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.877	40843009	268.6E6	14.175	13.727m
28)	SA Decachlor...	9.070	8.067	47407618	203.0E6	11.543m	8.262 #
	Target Compounds						
10)	B gamma-Chl...	5.941	5.120	6483937	30534402	1.368m	1.141m
11)	B alpha-Chl...	6.026	5.185	7899094	38047029	1.657	1.475m
12)	B 4,4'-DDE	6.193	5.372	4558414	26581295	1.062m	1.012m
14)	MA Endrin	6.571	5.786	7796675	33547859	1.914m	1.387m#
16)	A 4,4'-DDD	6.696	5.925	20292329	53959342	5.988m	2.461m#
17)	MA 4,4'-DDT	7.019	6.177	10201670	79193971	2.704	3.383 #

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

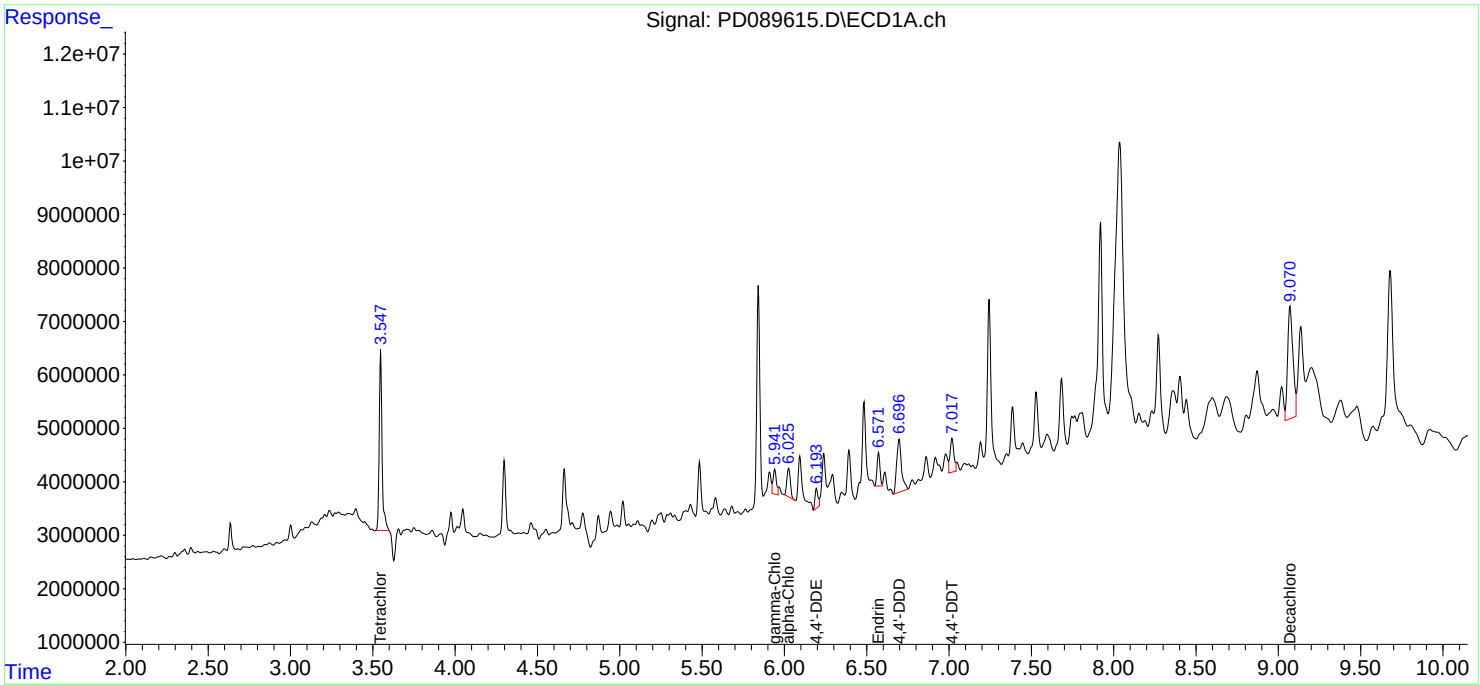
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089615.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:38
Operator : AR\AJ
Sample : Q2639-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

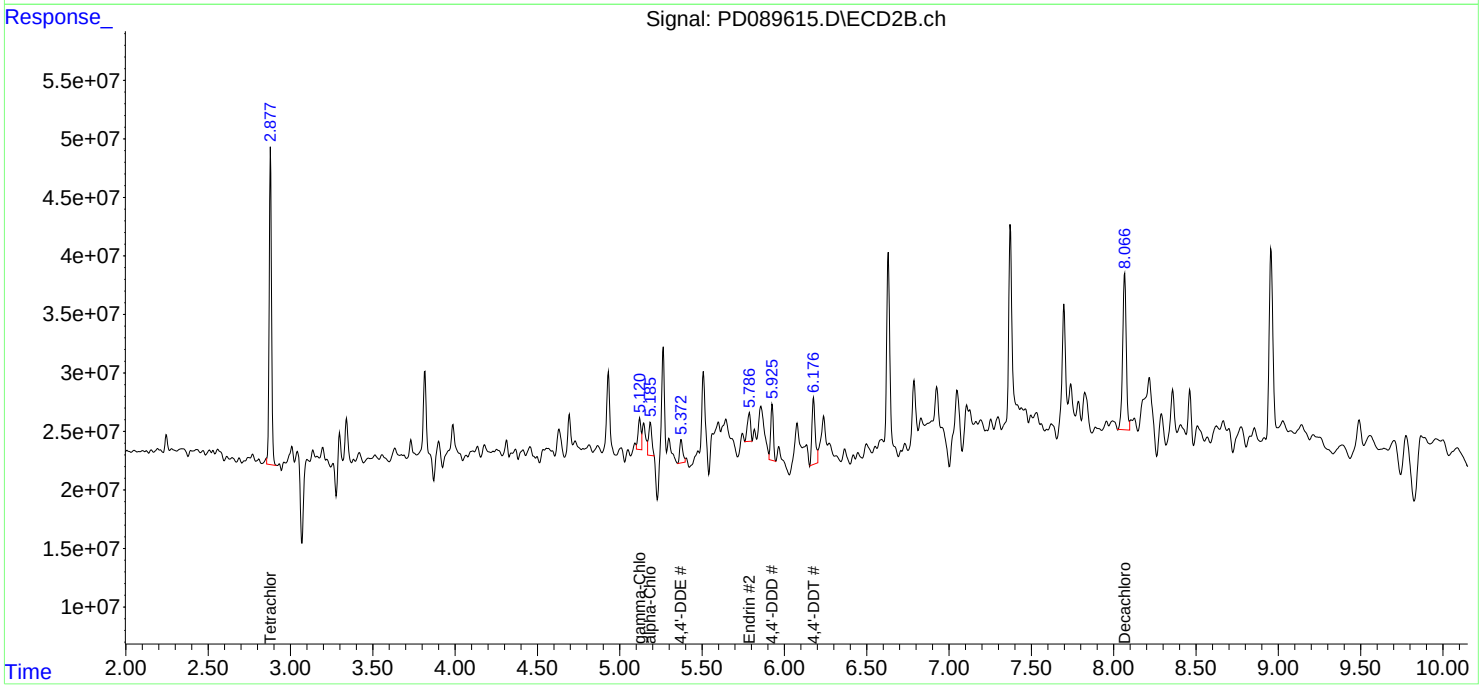
Instrument :
ECD_D
ClientSampleId :
OU4-TS-41-071725

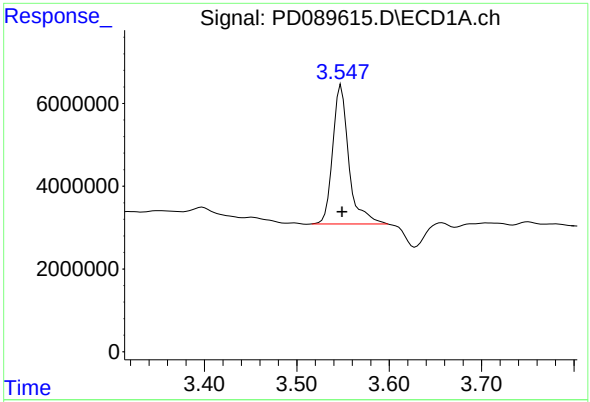
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:14:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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







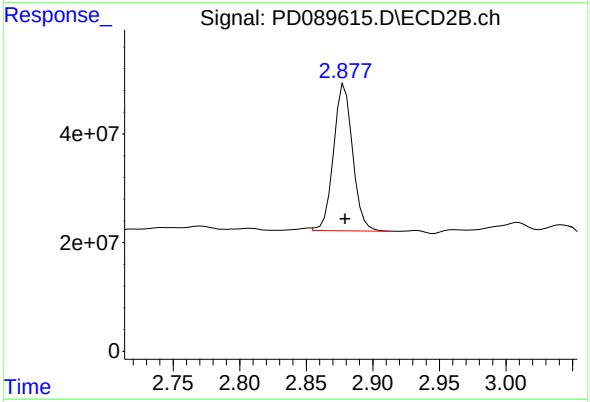
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 40843009
Conc: 14.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-41-071725

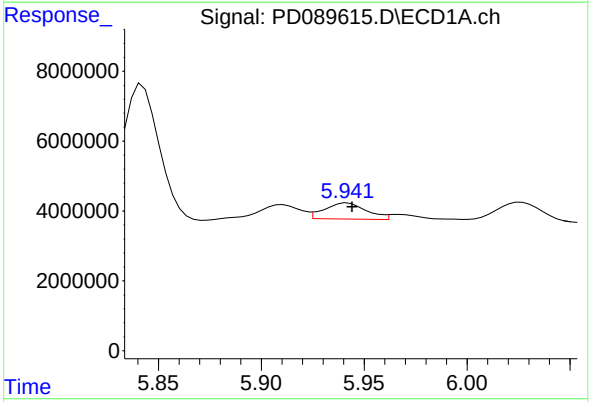
Manual Integrations APPROVED

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



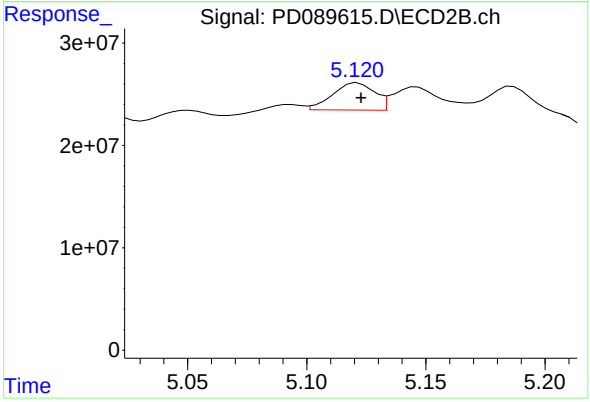
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: -0.002 min
Response: 268575408
Conc: 13.73 ng/ml m



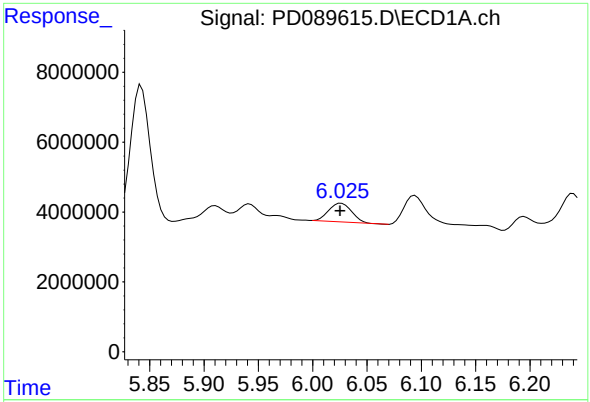
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: -0.004 min
Response: 6483937
Conc: 1.37 ng/ml m



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: -0.003 min
Response: 30534402
Conc: 1.14 ng/ml m



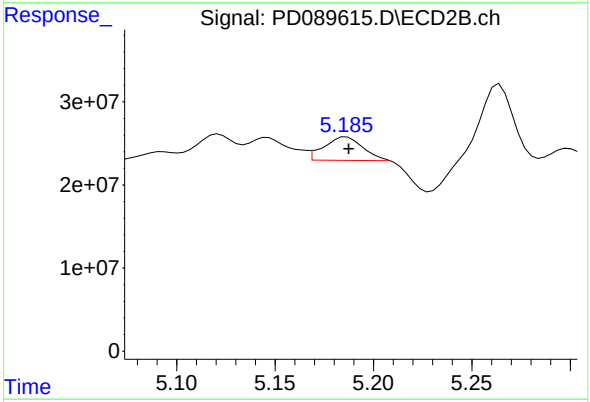
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.001 min
Response: 7899094
Conc: 1.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-41-071725

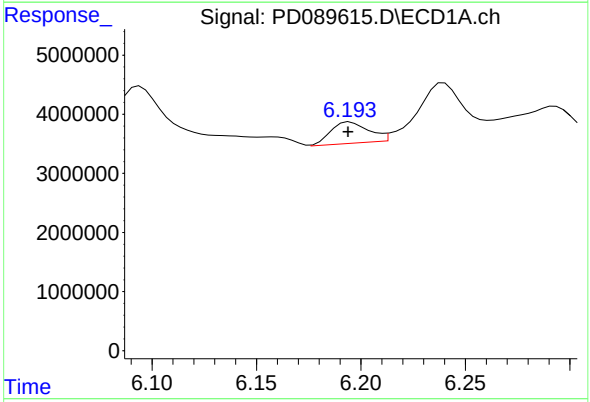
Manual Integrations APPROVED

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



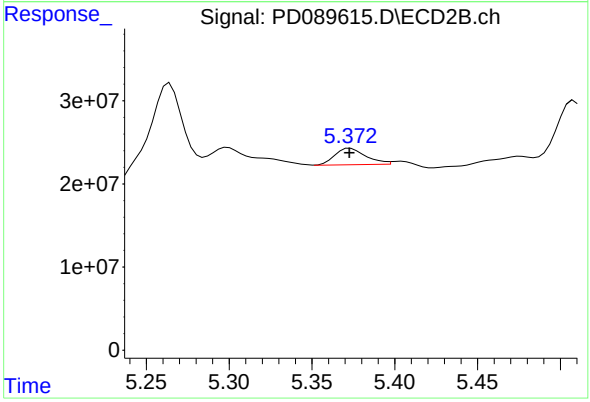
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: -0.003 min
Response: 38047029
Conc: 1.48 ng/ml m



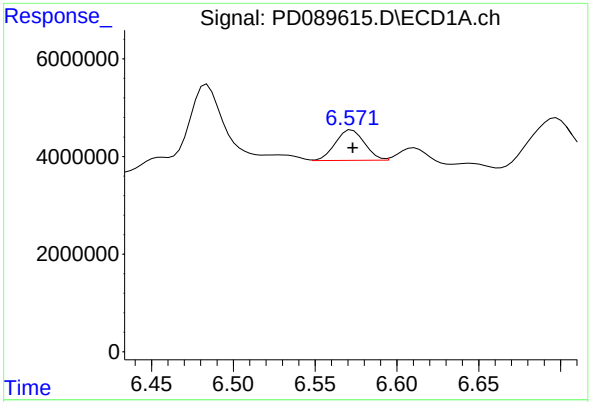
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 4558414
Conc: 1.06 ng/ml m



#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 26581295
Conc: 1.01 ng/ml m



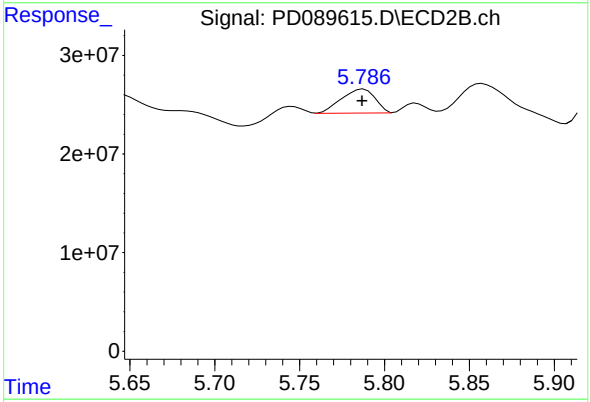
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 7796675
Conc: 1.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-41-071725

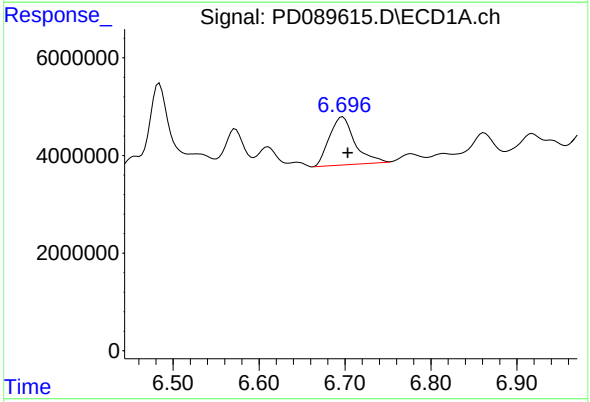
Manual Integrations APPROVED

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



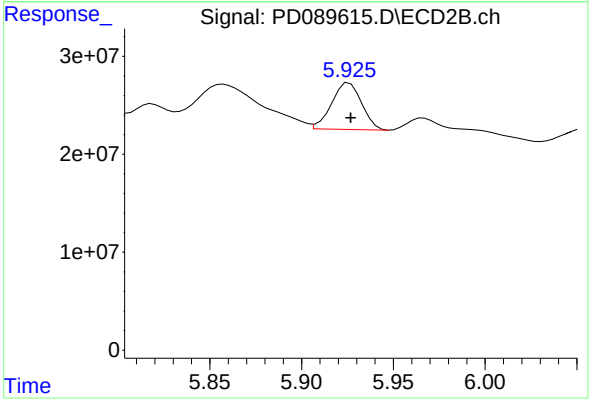
#14 Endrin

R.T.: 5.786 min
Delta R.T.: 0.000 min
Response: 33547859
Conc: 1.39 ng/ml m



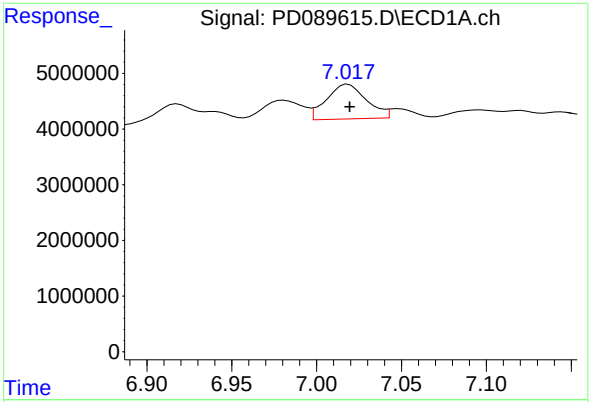
#16 4,4'-DDD

R.T.: 6.696 min
Delta R.T.: -0.007 min
Response: 20292329
Conc: 5.99 ng/ml m



#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: -0.002 min
Response: 53959342
Conc: 2.46 ng/ml m



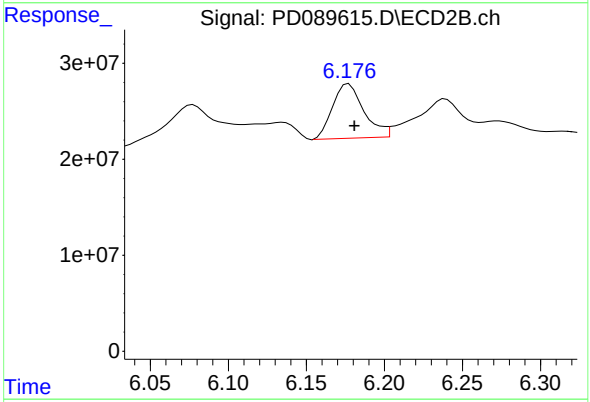
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 10201670
Conc: 2.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-41-071725

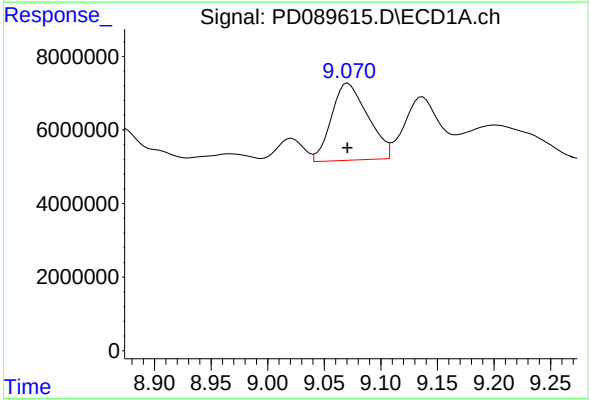
Manual Integrations APPROVED

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



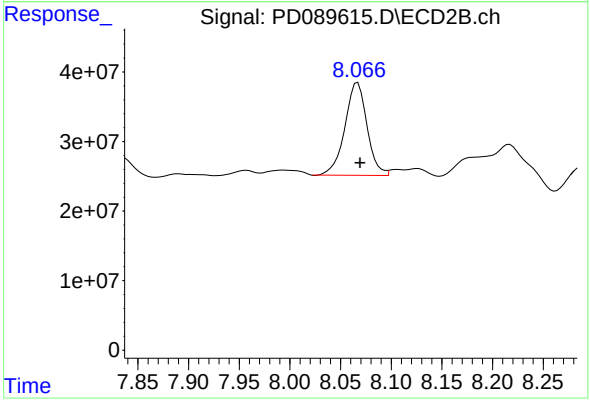
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: -0.004 min
Response: 79193971
Conc: 3.38 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 47407618
Conc: 11.54 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.003 min
Response: 202995963
Conc: 8.26 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-42-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	60.3 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
PD089616.D	1	07/21/25 08:30	07/23/25 19:51	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00055	U	0.00022	0.00055	0.0028	mg/Kg
319-85-7	beta-BHC	0.0014	U	0.00030	0.0014	0.0028	mg/Kg
319-86-8	delta-BHC	0.0014	U	0.00065	0.0014	0.0028	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00055	U	0.00023	0.00055	0.0028	mg/Kg
76-44-8	Heptachlor	0.00055	U	0.00020	0.00055	0.0028	mg/Kg
309-00-2	Aldrin	0.00055	U	0.00020	0.00055	0.0028	mg/Kg
1024-57-3	Heptachlor epoxide	0.0014	U	0.00031	0.0014	0.0028	mg/Kg
959-98-8	Endosulfan I	0.00055	U	0.00023	0.00055	0.0028	mg/Kg
60-57-1	Dieldrin	0.00062	JP	0.00023	0.00055	0.0028	mg/Kg
72-55-9	4,4-DDE	0.00099	J	0.00023	0.00055	0.0028	mg/Kg
72-20-8	Endrin	0.00054	JP	0.00023	0.00055	0.0028	mg/Kg
33213-65-9	Endosulfan II	0.0014	U	0.00048	0.0014	0.0028	mg/Kg
72-54-8	4,4-DDD	0.00055	U	0.00025	0.00055	0.0028	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00055	U	0.00022	0.00055	0.0028	mg/Kg
50-29-3	4,4-DDT	0.00055	U	0.00023	0.00055	0.0028	mg/Kg
72-43-5	Methoxychlor	0.0014	U	0.00061	0.0014	0.0028	mg/Kg
53494-70-5	Endrin ketone	0.0014	U	0.00031	0.0014	0.0028	mg/Kg
7421-93-4	Endrin aldehyde	0.0014	U	0.00061	0.0014	0.0028	mg/Kg
5103-71-9	alpha-Chlordane	0.0012	J	0.00020	0.00055	0.0028	mg/Kg
5103-74-2	gamma-Chlordane	0.00090	J	0.00025	0.00055	0.0028	mg/Kg
8001-35-2	Toxaphene	0.028	U	0.0090	0.028	0.055	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	6.43	*	55 - 130		32%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.8		42 - 129		64%	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:	07/18/25
Client Sample ID:	OU4-TS-42-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	60.3 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
PD089616.D	1	07/21/25 08:30	07/23/25 19:51	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_D\Data\PD072425\
Data File : PD089616.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:51
Operator : AR\AJ
Sample : Q2639-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:14:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.878	34340372	249.7E6	11.918	12.760m
28)	SA Decachlor...	9.067	8.065	26419100	152.6E6	6.433m	6.212m
	Target Compounds						
10)	B gamma-Chl...	5.940	5.119	5924779	43580823	1.250m	1.629m#
11)	B alpha-Chl...	6.026	5.186	10465344	43741049	2.196	1.696m
12)	B 4,4'-DDE	6.192	5.371	6246614	47187284	1.455	1.797m
13)	MA Dieldrin	6.347	5.508	2784200	29777987	0.590	1.127 #
14)	MA Endrin	6.577	5.787	3965186	13800832	0.974m	0.571m#

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

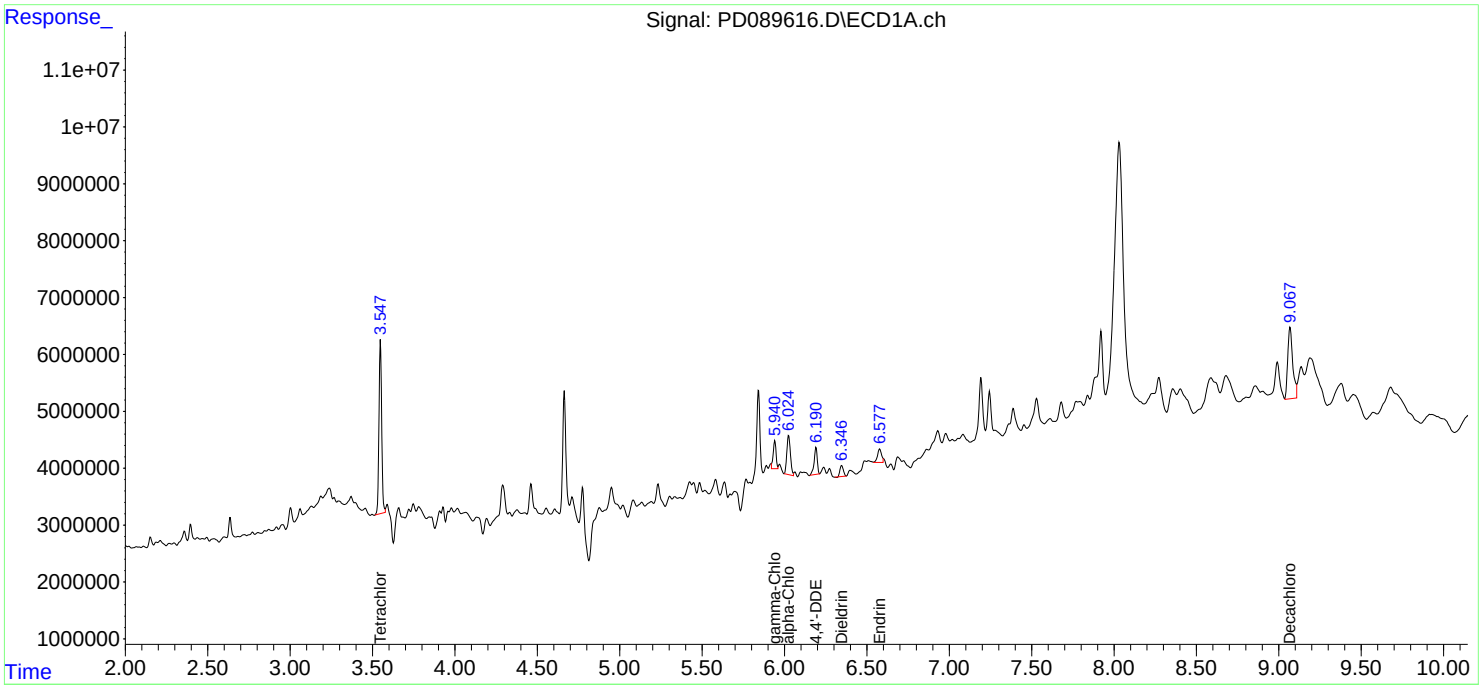
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089616.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:51
Operator : AR\AJ
Sample : Q2639-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

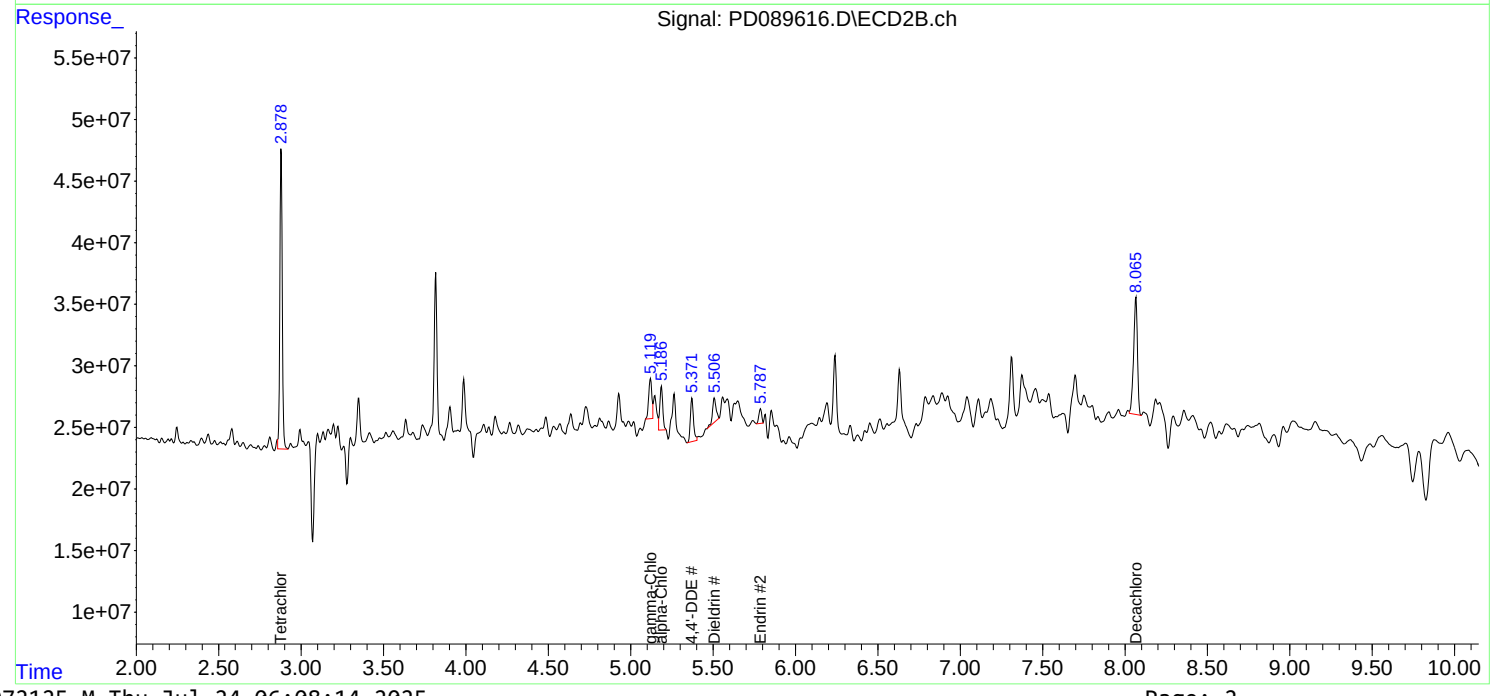
Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725

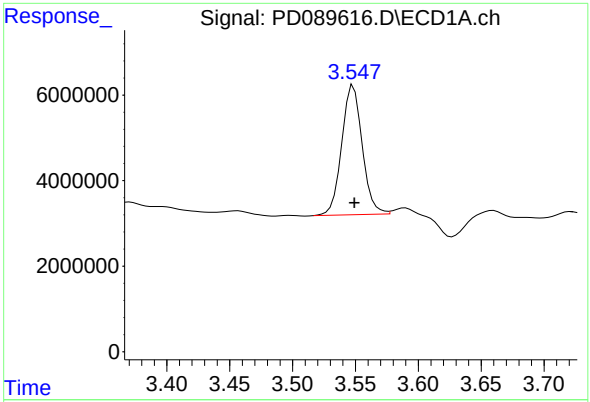
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:14:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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







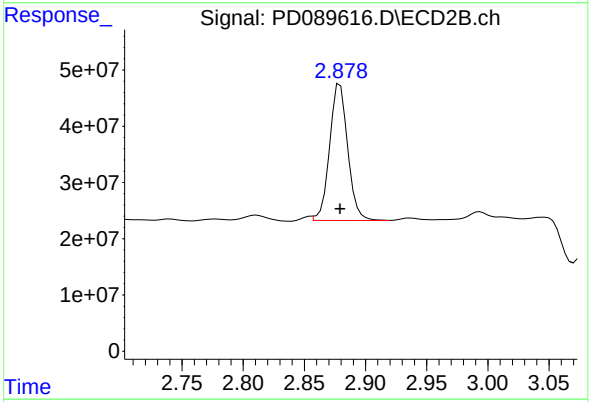
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 34340372
Conc: 11.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725

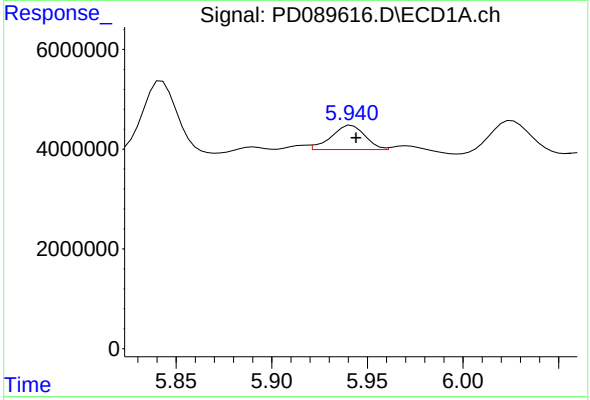
Manual Integrations APPROVED

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



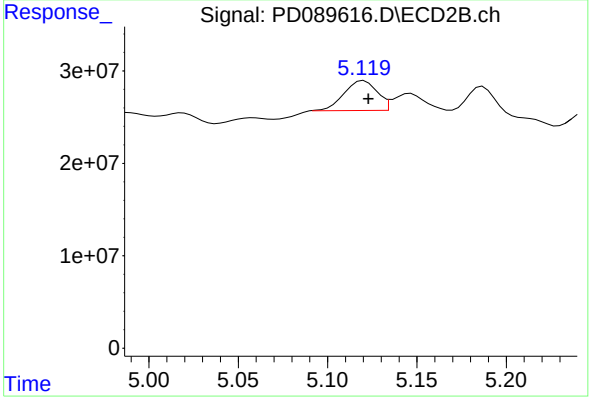
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: -0.001 min
Response: 249668663
Conc: 12.76 ng/ml m



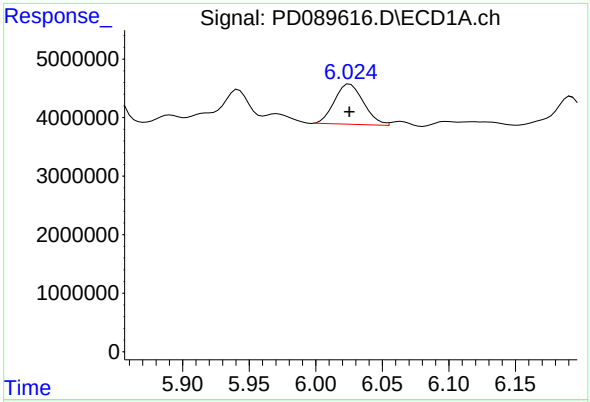
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.004 min
Response: 5924779
Conc: 1.25 ng/ml m



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: -0.004 min
Response: 43580823
Conc: 1.63 ng/ml m



#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.000 min
Response: 10465344
Conc: 2.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725

Manual Integrations APPROVED

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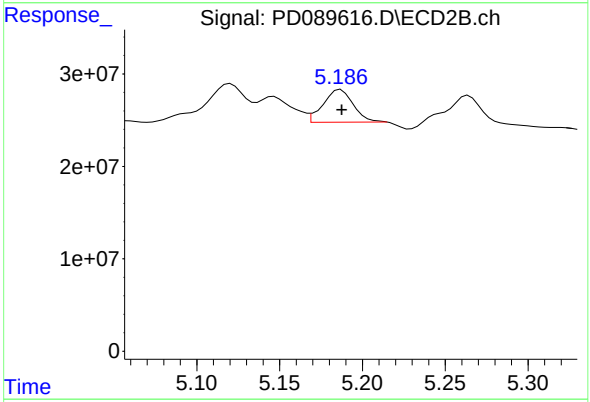
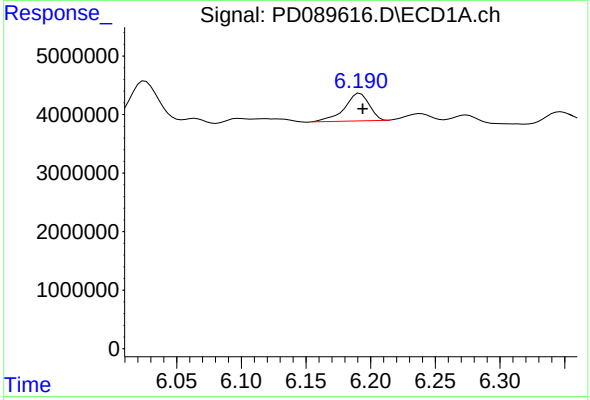
Supervised By :mohammad ahmed 07/24/2025



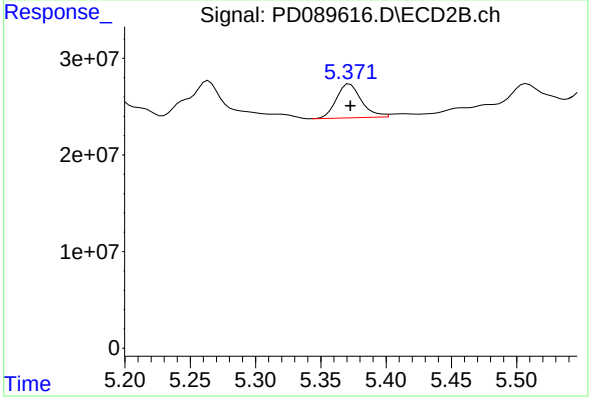
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: -0.002 min
Response: 43741049
Conc: 1.70 ng/ml m



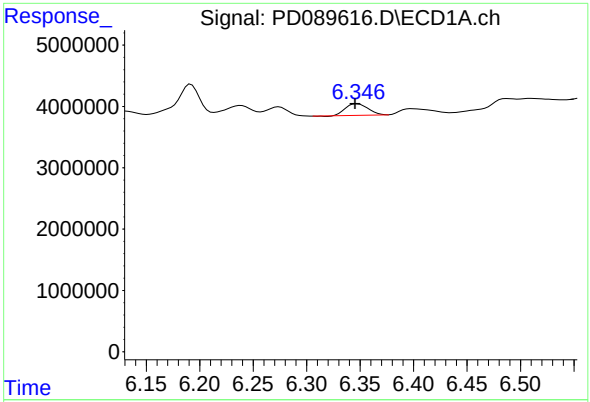
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.002 min
Response: 6246614
Conc: 1.45 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: -0.002 min
Response: 47187284
Conc: 1.80 ng/ml m



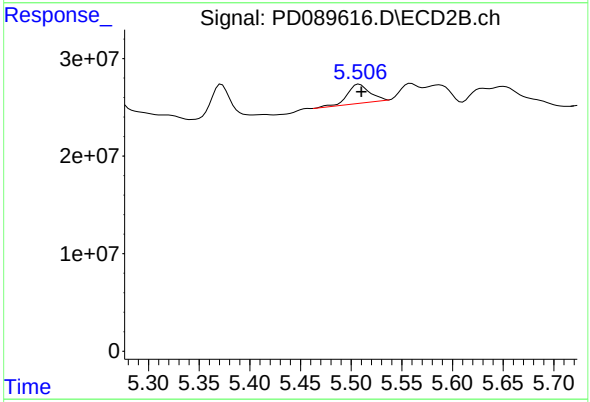
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.002 min
Response: 2784200
Conc: 0.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725

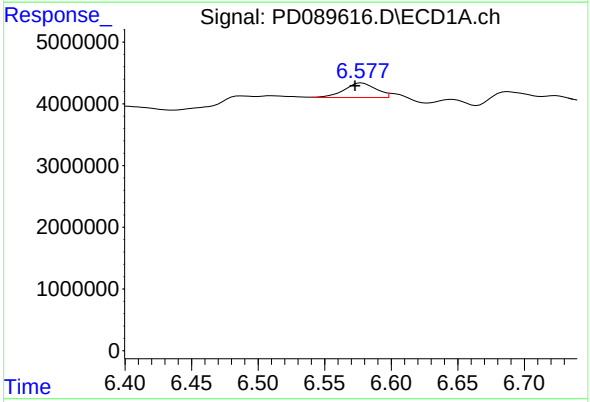
Manual Integrations APPROVED

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



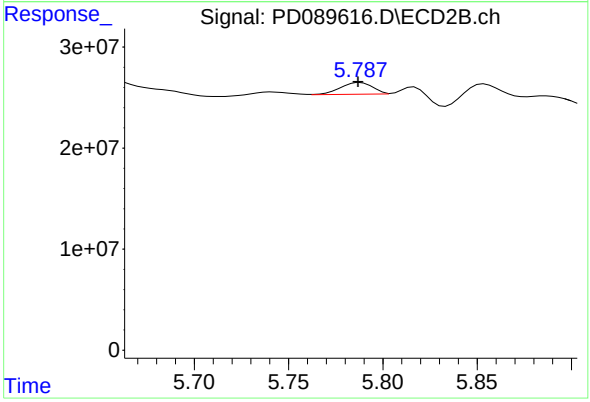
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: -0.002 min
Response: 29777987
Conc: 1.13 ng/ml



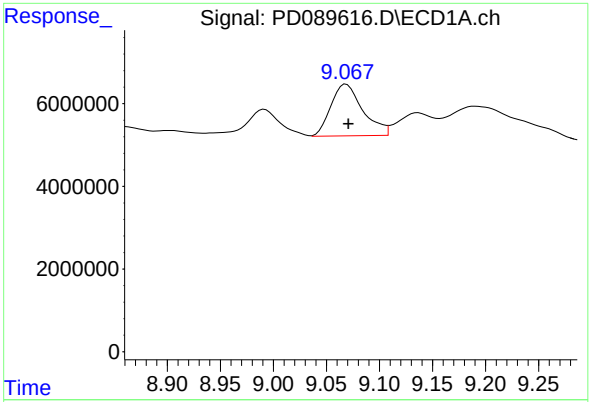
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.004 min
Response: 3965186
Conc: 0.97 ng/ml m



#14 Endrin

R.T.: 5.787 min
Delta R.T.: 0.000 min
Response: 13800832
Conc: 0.57 ng/ml m



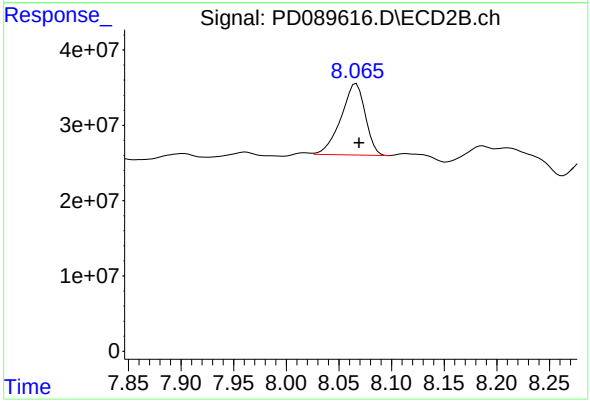
#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: -0.003 min
Response: 26419100
Conc: 6.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725

Manual Integrations APPROVED

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



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: -0.004 min
Response: 152611587
Conc: 6.21 ng/ml m

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-42-071725RE	SDG No.:	Q2639
Lab Sample ID:	Q2639-09RE	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	60.3 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
PD089629.D	1	07/21/25 08:30	07/24/25 17:44	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00055	U	0.00022	0.00055	0.0028	mg/Kg
319-85-7	beta-BHC	0.0014	U	0.00030	0.0014	0.0028	mg/Kg
319-86-8	delta-BHC	0.0014	U	0.00065	0.0014	0.0028	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00055	U	0.00023	0.00055	0.0028	mg/Kg
76-44-8	Heptachlor	0.00055	U	0.00020	0.00055	0.0028	mg/Kg
309-00-2	Aldrin	0.00055	U	0.00020	0.00055	0.0028	mg/Kg
1024-57-3	Heptachlor epoxide	0.0014	U	0.00031	0.0014	0.0028	mg/Kg
959-98-8	Endosulfan I	0.00055	U	0.00023	0.00055	0.0028	mg/Kg
60-57-1	Dieldrin	0.00079	JP	0.00023	0.00055	0.0028	mg/Kg
72-55-9	4,4-DDE	0.0011	J	0.00023	0.00055	0.0028	mg/Kg
72-20-8	Endrin	0.00082	J	0.00023	0.00055	0.0028	mg/Kg
33213-65-9	Endosulfan II	0.0014	U	0.00048	0.0014	0.0028	mg/Kg
72-54-8	4,4-DDD	0.00055	U	0.00025	0.00055	0.0028	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00055	U	0.00022	0.00055	0.0028	mg/Kg
50-29-3	4,4-DDT	0.00055	U	0.00023	0.00055	0.0028	mg/Kg
72-43-5	Methoxychlor	0.0014	U	0.00061	0.0014	0.0028	mg/Kg
53494-70-5	Endrin ketone	0.0014	U	0.00031	0.0014	0.0028	mg/Kg
7421-93-4	Endrin aldehyde	0.0014	U	0.00061	0.0014	0.0028	mg/Kg
5103-71-9	alpha-Chlordane	0.0015	J	0.00020	0.00055	0.0028	mg/Kg
5103-74-2	gamma-Chlordane	0.0016	JP	0.00025	0.00055	0.0028	mg/Kg
8001-35-2	Toxaphene	0.028	U	0.0090	0.028	0.055	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	7.74	*	55 - 130		39%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.1		42 - 129		66%	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-42-071725RE	SDG No.:	Q2639
Lab Sample ID:	Q2639-09RE	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	60.3 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
PD089629.D	1	07/21/25 08:30	07/24/25 17:44	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_D\Data\PD072525\
Data File : PD089629.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 17:44
Operator : AR\AJ
Sample : Q2639-09RE
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725RE

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:33:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.555	2.877	35218033	256.7E6	12.223	13.119m
28)	SA Decachlor...	9.078	8.068	31769198	174.0E6	7.735m	7.082m
	Target Compounds						
10)	B gamma-Chl...	5.949	5.120	7528821	77609500	1.588m	2.901m#
11)	B alpha-Chl...	6.033	5.187	12646038	48369691	2.653	1.875m#
12)	B 4,4'-DDE	6.201	5.372	7473001	53098437	1.740	2.022m
13)	MA Dieldrin	6.354	5.507	3890734	38016551	0.824m	1.439m#
14)	MA Endrin	6.586	5.790	5607086	35935444	1.377m	1.486m

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

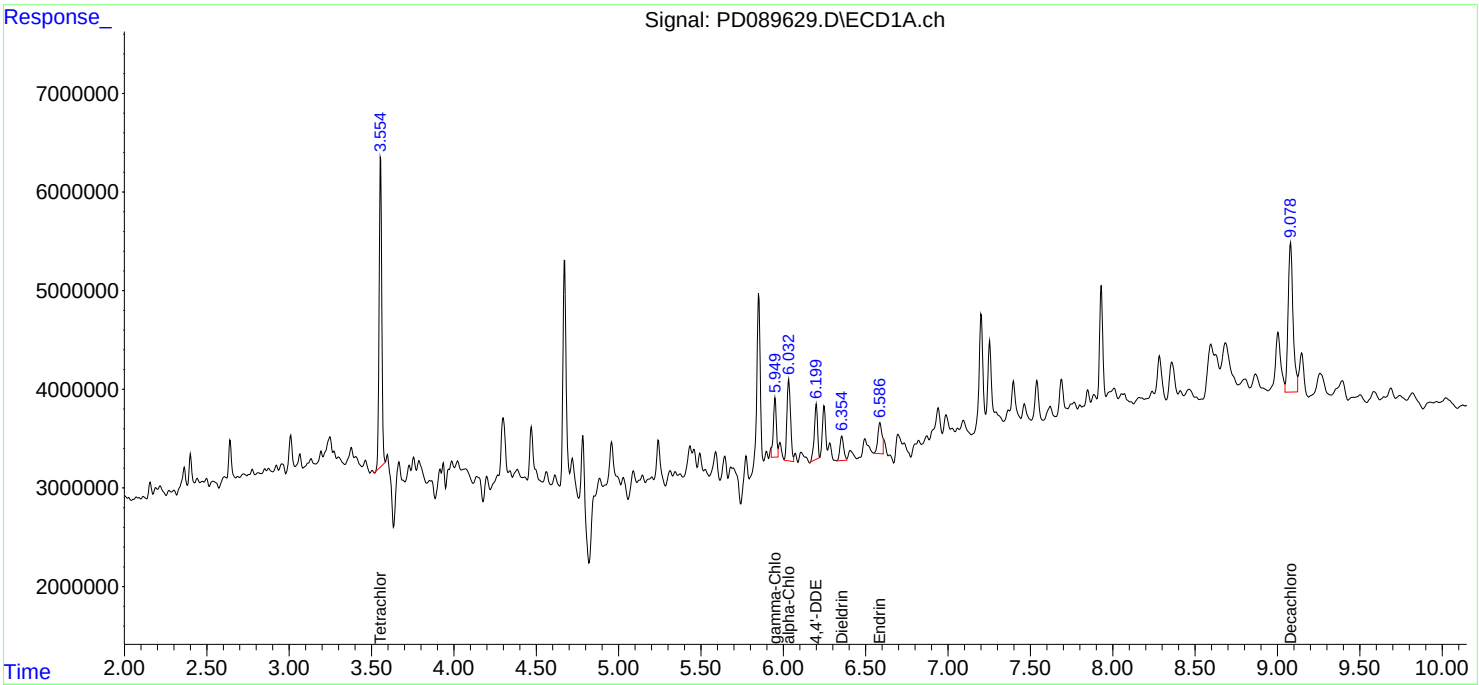
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072525\
Data File : PD089629.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 17:44
Operator : AR\AJ
Sample : Q2639-09RE
Misc :
ALS Vial : 7 Sample Multiplier: 1

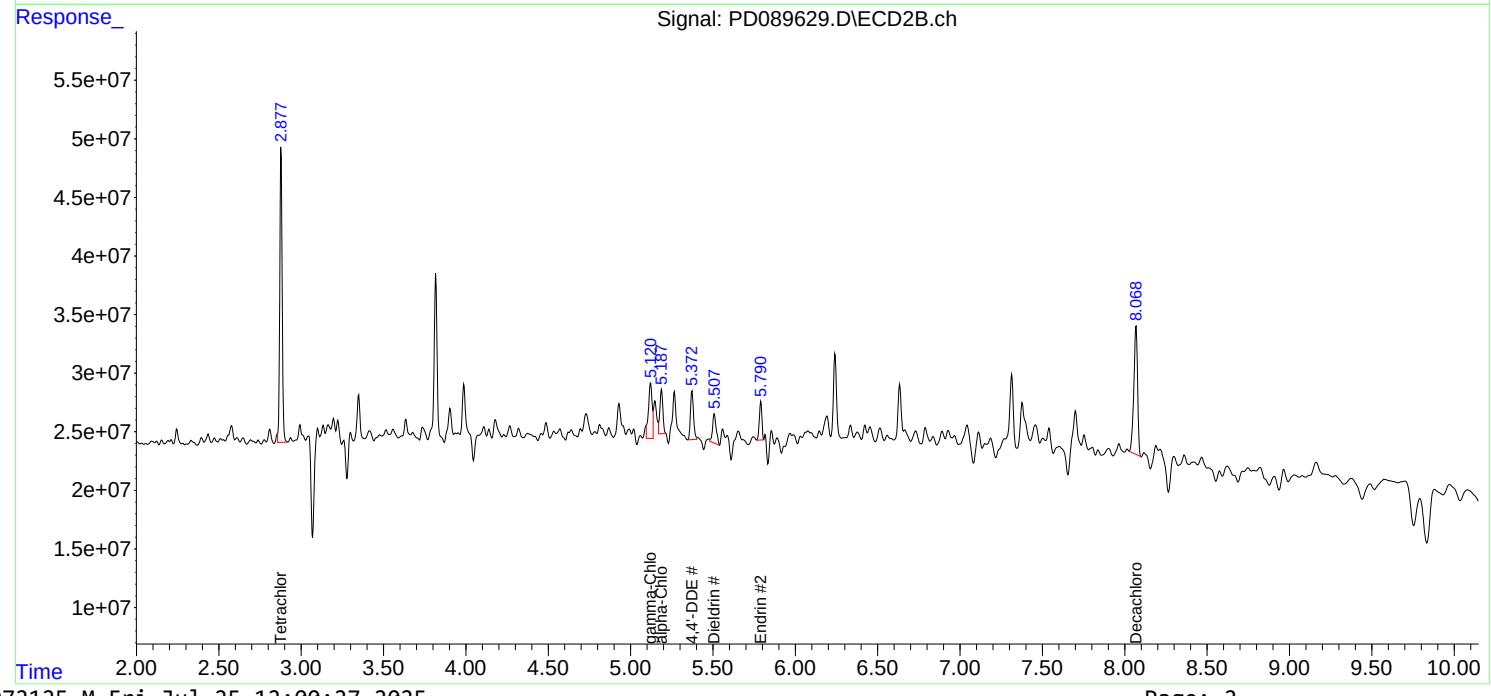
Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725RE

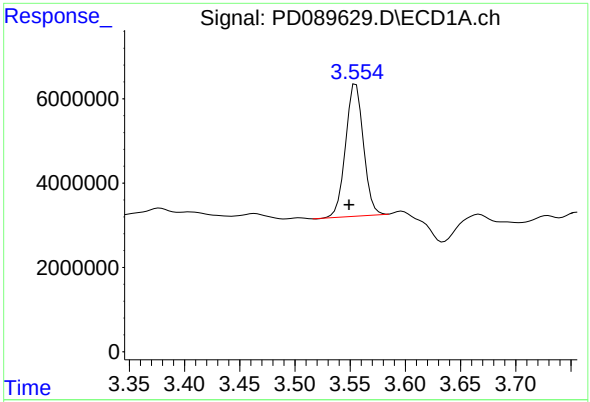
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:33:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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







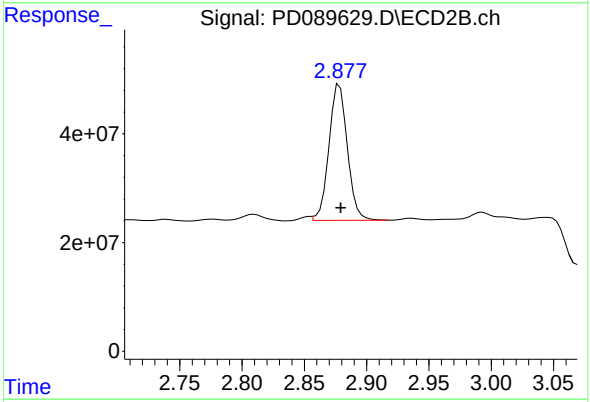
#1 Tetrachloro-m-xylene

R.T.: 3.555 min
Delta R.T.: 0.006 min
Response: 35218033
Conc: 12.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725RE

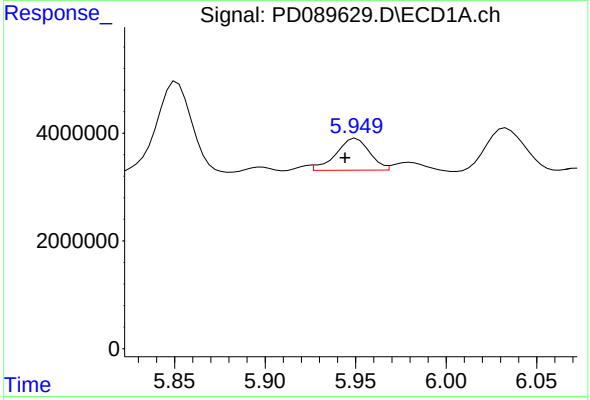
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



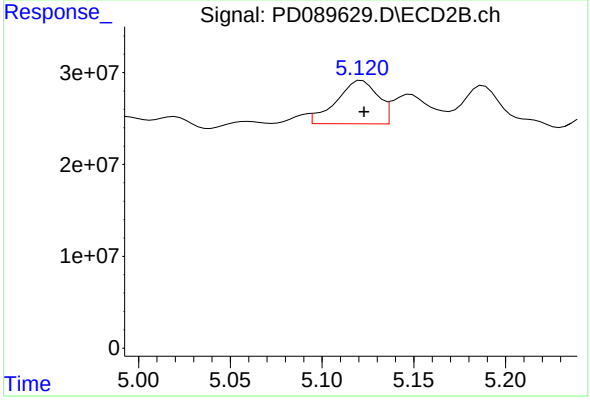
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: -0.002 min
Response: 256688322
Conc: 13.12 ng/ml m



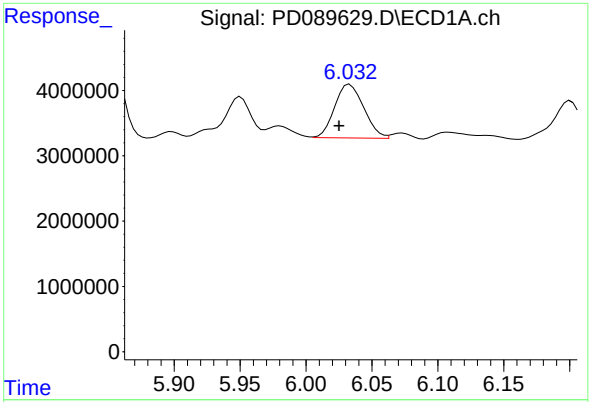
#10 gamma-Chlordane

R.T.: 5.949 min
Delta R.T.: 0.005 min
Response: 7528821
Conc: 1.59 ng/ml m



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 77609500
Conc: 2.90 ng/ml m



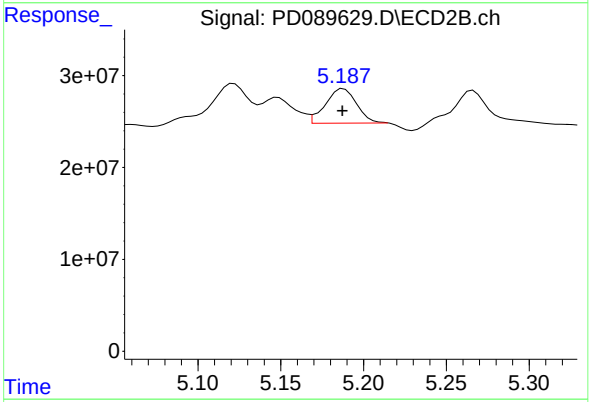
#11 alpha-Chlordane

R.T.: 6.033 min
Delta R.T.: 0.008 min
Response: 12646038
Conc: 2.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725RE

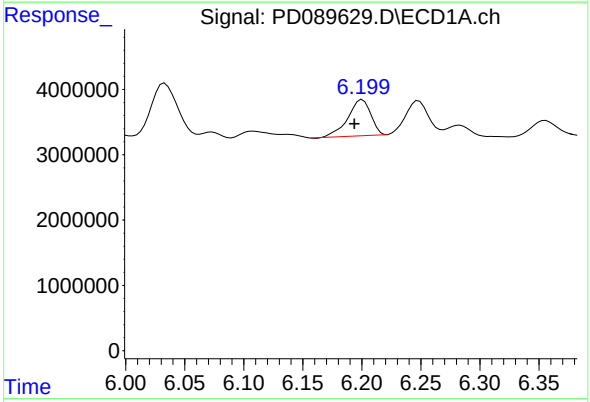
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



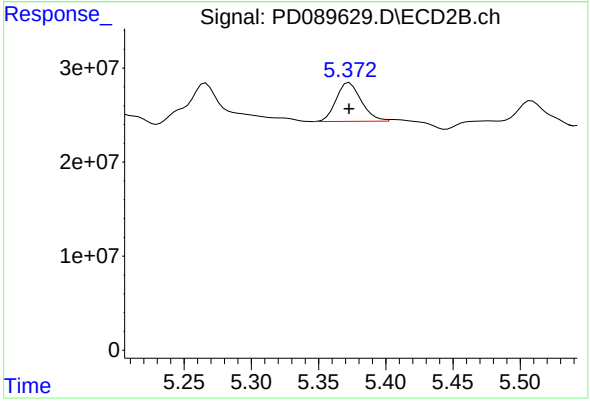
#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 48369691
Conc: 1.88 ng/ml m



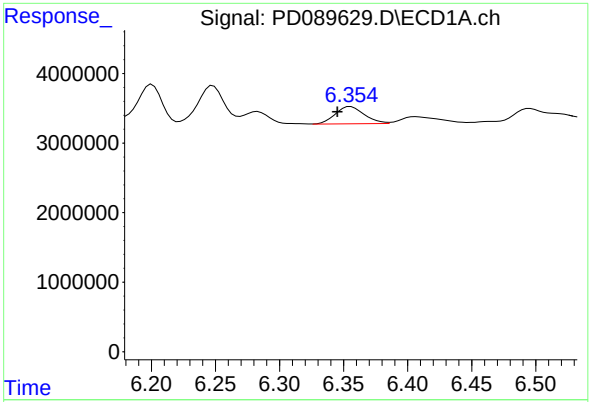
#12 4,4'-DDE

R.T.: 6.201 min
Delta R.T.: 0.007 min
Response: 7473001
Conc: 1.74 ng/ml



#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: -0.001 min
Response: 53098437
Conc: 2.02 ng/ml m



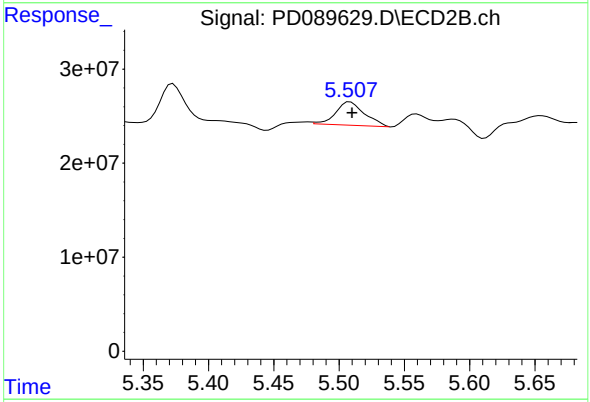
#13 Dieldrin

R.T.: 6.354 min
Delta R.T.: 0.009 min
Response: 3890734
Conc: 0.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725RE

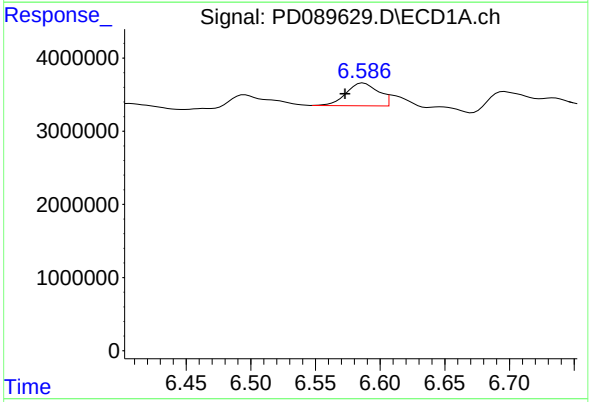
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



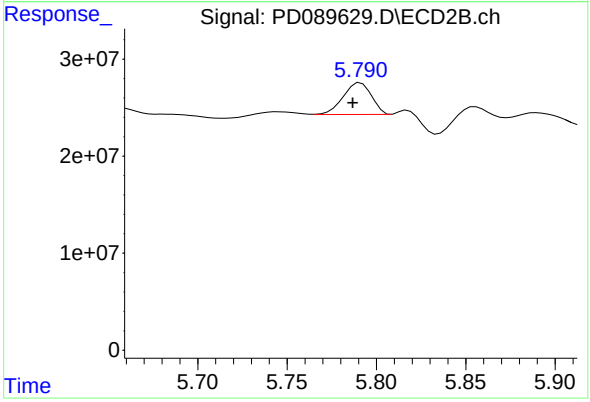
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: -0.003 min
Response: 38016551
Conc: 1.44 ng/ml m



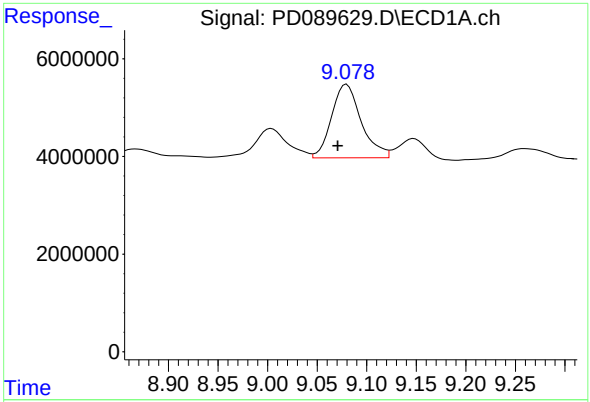
#14 Endrin

R.T.: 6.586 min
Delta R.T.: 0.013 min
Response: 5607086
Conc: 1.38 ng/ml m



#14 Endrin

R.T.: 5.790 min
Delta R.T.: 0.003 min
Response: 35935444
Conc: 1.49 ng/ml m



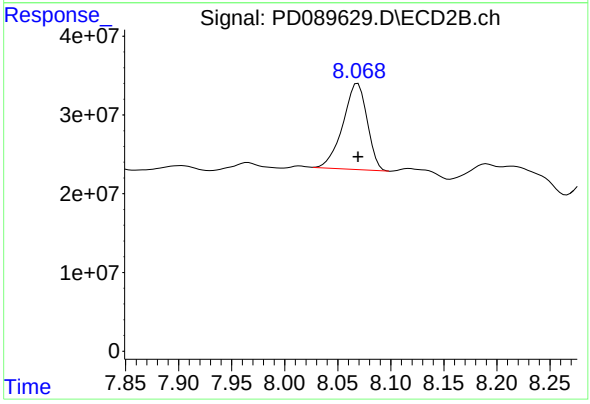
#28 Decachlorobiphenyl

R.T.: 9.078 min
Delta R.T.: 0.008 min
Response: 31769198
Conc: 7.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725RE

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: -0.002 min
Response: 174005059
Conc: 7.08 ng/ml m

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-43-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-11	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	58 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089617.D	1	07/21/25 08:30	07/23/25 20:05	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00057	U	0.00022	0.00057	0.0029	mg/Kg
319-85-7	beta-BHC	0.0014	U	0.00031	0.0014	0.0029	mg/Kg
319-86-8	delta-BHC	0.0014	U	0.00067	0.0014	0.0029	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00057	U	0.00024	0.00057	0.0029	mg/Kg
76-44-8	Heptachlor	0.00057	U	0.00021	0.00057	0.0029	mg/Kg
309-00-2	Aldrin	0.00057	U	0.00021	0.00057	0.0029	mg/Kg
1024-57-3	Heptachlor epoxide	0.0014	U	0.00033	0.0014	0.0029	mg/Kg
959-98-8	Endosulfan I	0.00057	U	0.00024	0.00057	0.0029	mg/Kg
60-57-1	Dieldrin	0.00071	JP	0.00024	0.00057	0.0029	mg/Kg
72-55-9	4,4-DDE	0.0011	J	0.00024	0.00057	0.0029	mg/Kg
72-20-8	Endrin	0.00068	J	0.00024	0.00057	0.0029	mg/Kg
33213-65-9	Endosulfan II	0.0014	U	0.00050	0.0014	0.0029	mg/Kg
72-54-8	4,4-DDD	0.00057	U	0.00026	0.00057	0.0029	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00057	U	0.00022	0.00057	0.0029	mg/Kg
50-29-3	4,4-DDT	0.00057	U	0.00024	0.00057	0.0029	mg/Kg
72-43-5	Methoxychlor	0.0014	U	0.00064	0.0014	0.0029	mg/Kg
53494-70-5	Endrin ketone	0.0014	U	0.00033	0.0014	0.0029	mg/Kg
7421-93-4	Endrin aldehyde	0.0014	U	0.00064	0.0014	0.0029	mg/Kg
5103-71-9	alpha-Chlordane	0.0015	J	0.00021	0.00057	0.0029	mg/Kg
5103-74-2	gamma-Chlordane	0.0015	JP	0.00026	0.00057	0.0029	mg/Kg
8001-35-2	Toxaphene	0.029	U	0.0093	0.029	0.057	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	6.25	*	55 - 130		31%	SPK: 20
877-09-8	Tetrachloro-m-xylene	11.7		42 - 129		58%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-43-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-11	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	58 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089617.D	1	07/21/25 08:30	07/23/25 20:05	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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089617.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 20:05
Operator : AR\AJ
Sample : Q2639-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:15:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.877	31882280	228.1E6	11.065	11.656m
28)	SA Decachlor...	9.068	8.064	23992215	153.6E6	5.842m	6.251m
	Target Compounds						
10)	B gamma-Chl...	5.940	5.118	6550013	70459293	1.382m	2.634m#
11)	B alpha-Chl...	6.025	5.185	12156520	45566943	2.550	1.767m#
12)	B 4,4'-DDE	6.191	5.370	6401842	48397930	1.491	1.843m
13)	MA Dieldrin	6.346	5.505	2679506	32789589	0.568	1.241m#
14)	MA Endrin	6.577	5.786	4863325	7842035	1.194m	0.324m#

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

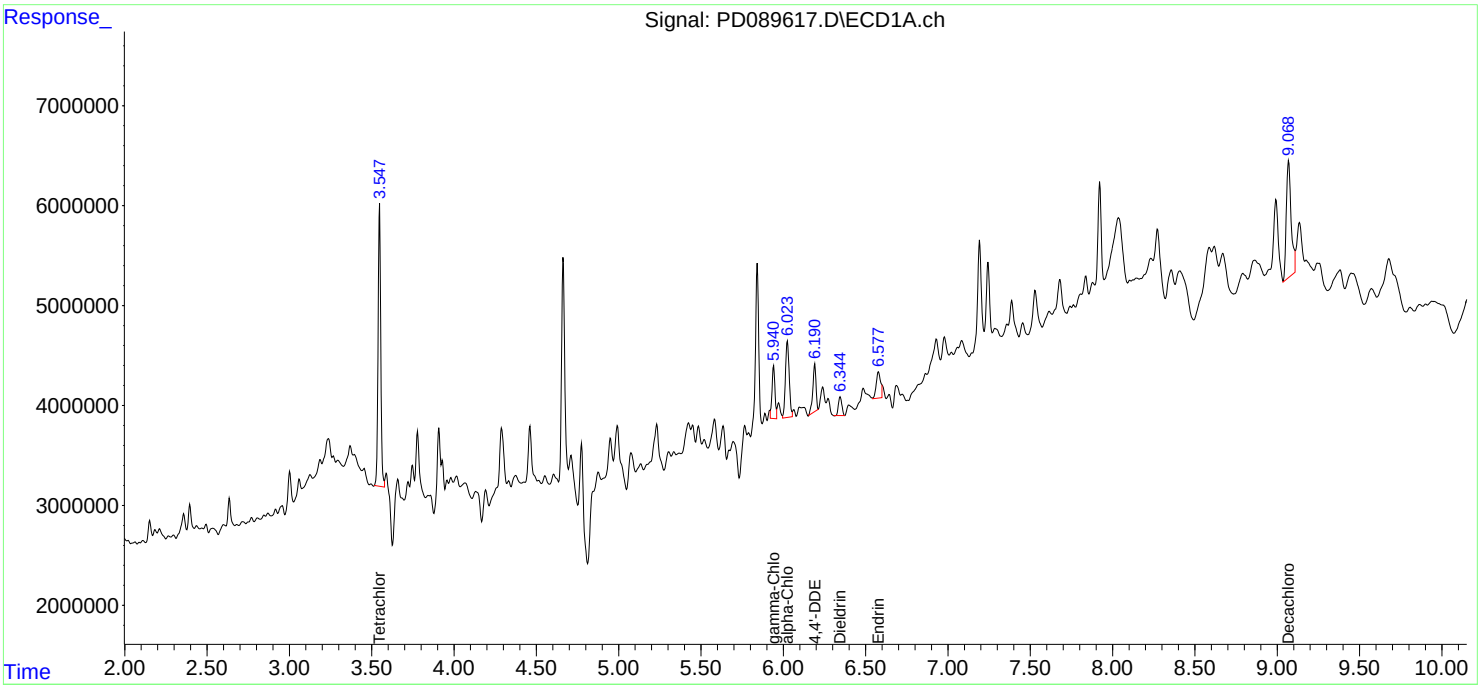
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089617.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 20:05
Operator : AR\AJ
Sample : Q2639-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

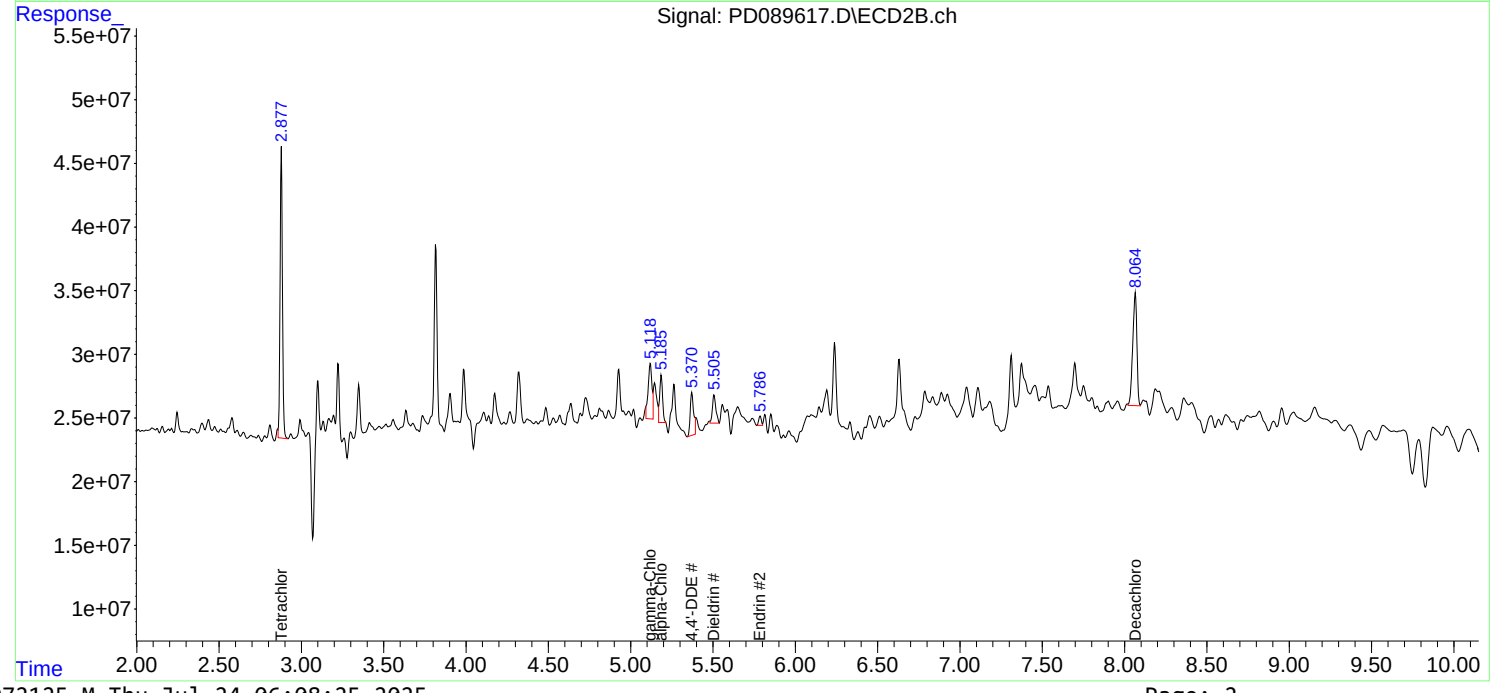
Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725

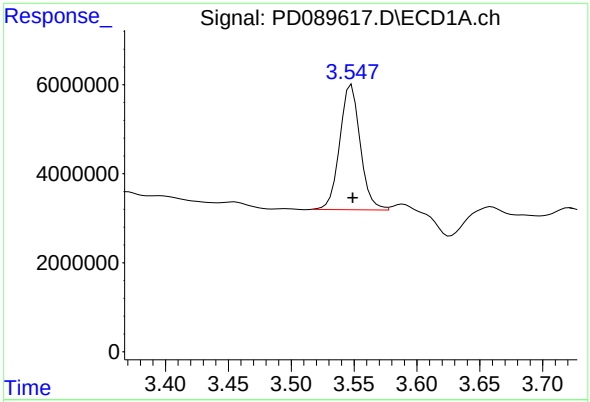
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:15:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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







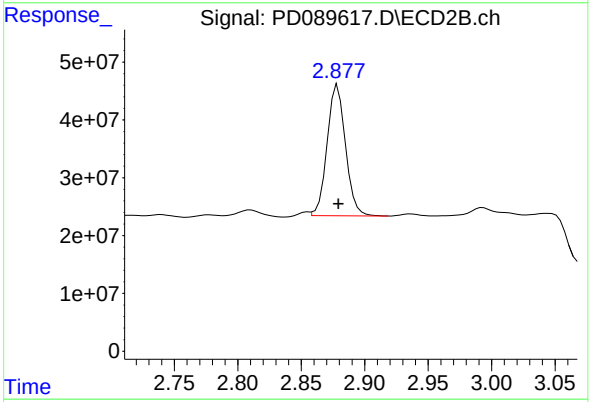
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: -0.001 min
Response: 31882280
Conc: 11.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725

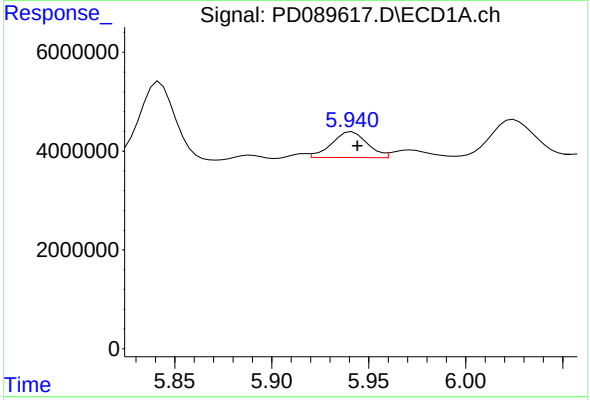
Manual Integrations APPROVED

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



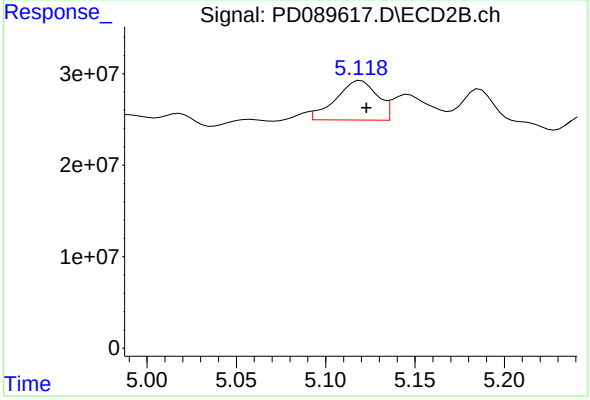
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: -0.002 min
Response: 228058398
Conc: 11.66 ng/ml m



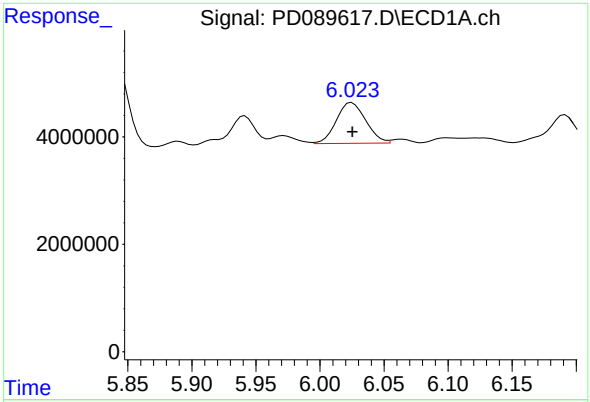
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.004 min
Response: 6550013
Conc: 1.38 ng/ml m



#10 gamma-Chlordane

R.T.: 5.118 min
Delta R.T.: -0.004 min
Response: 70459293
Conc: 2.63 ng/ml m



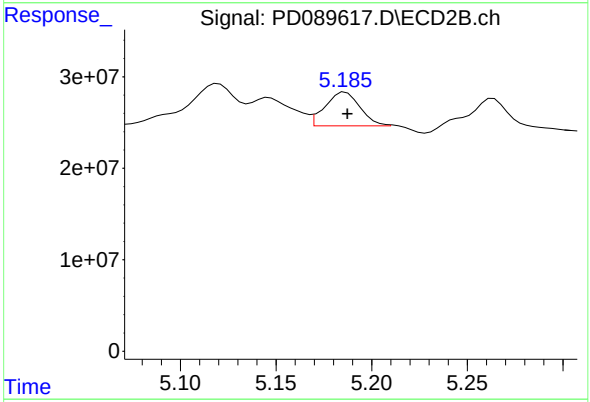
#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 12156520
Conc: 2.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725

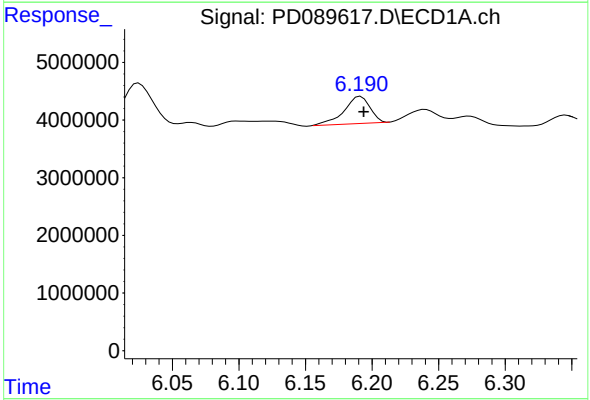
Manual Integrations APPROVED

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



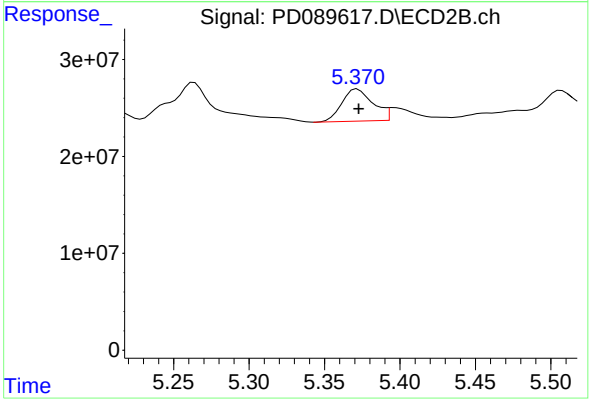
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: -0.003 min
Response: 45566943
Conc: 1.77 ng/ml m



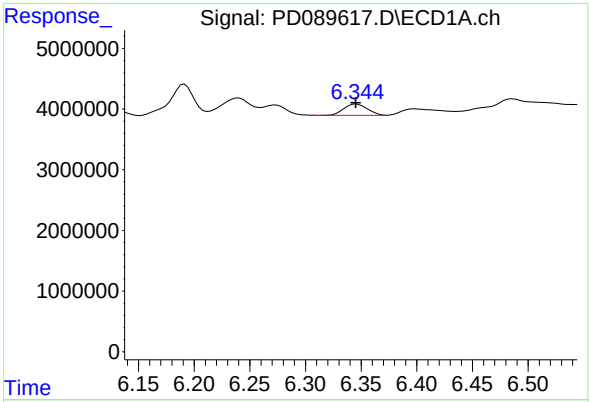
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.002 min
Response: 6401842
Conc: 1.49 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: -0.002 min
Response: 48397930
Conc: 1.84 ng/ml m



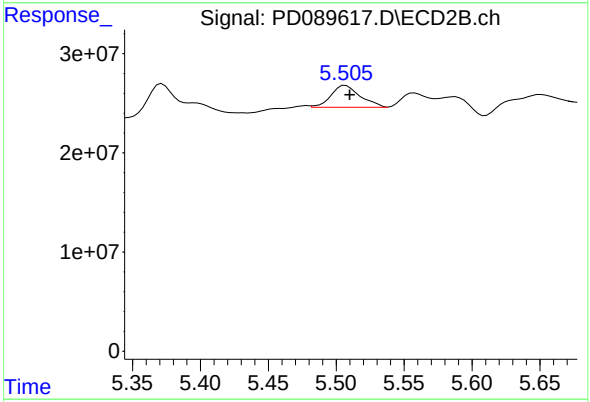
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 2679506
Conc: 0.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725

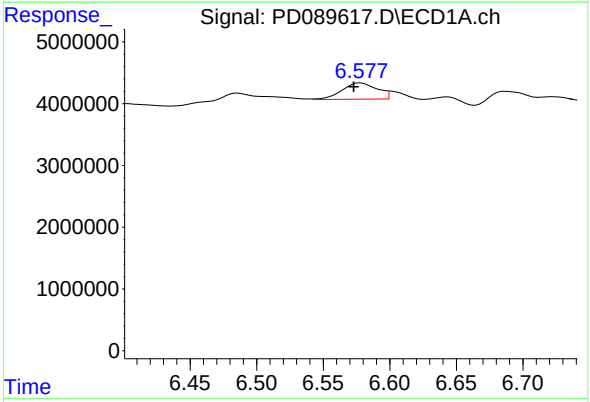
Manual Integrations APPROVED

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



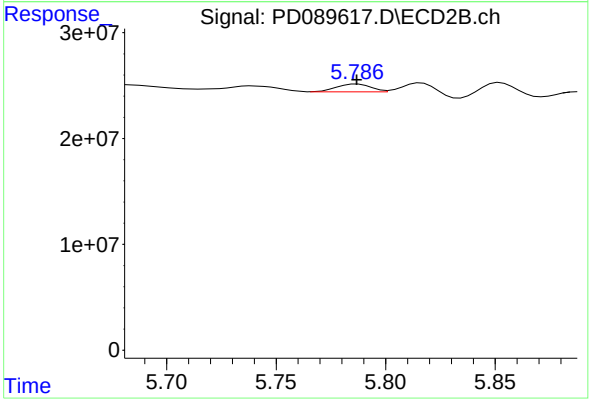
#13 Dieldrin

R.T.: 5.505 min
Delta R.T.: -0.005 min
Response: 32789589
Conc: 1.24 ng/ml m



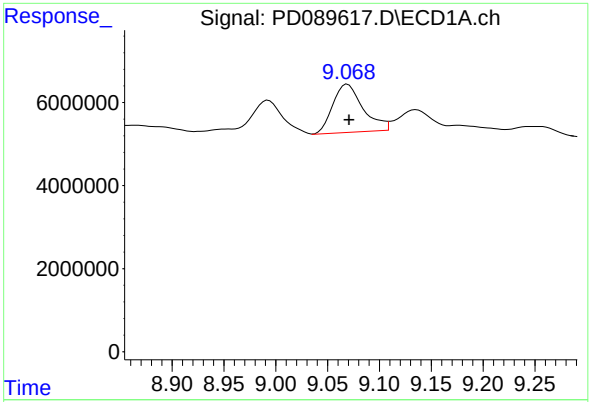
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.004 min
Response: 4863325
Conc: 1.19 ng/ml m



#14 Endrin

R.T.: 5.786 min
Delta R.T.: -0.001 min
Response: 7842035
Conc: 0.32 ng/ml m



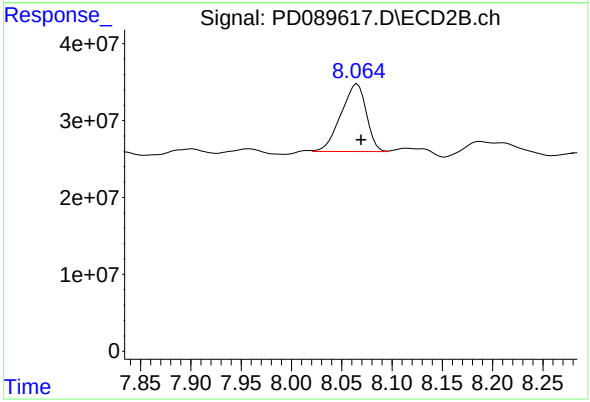
#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 23992215
Conc: 5.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725

Manual Integrations APPROVED

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



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.005 min
Response: 153574314
Conc: 6.25 ng/ml m

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-43-071725RE	SDG No.:	Q2639
Lab Sample ID:	Q2639-11RE	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	58 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089630.D	1	07/21/25 08:30	07/24/25 17:58	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00057	U	0.00022	0.00057	0.0029	mg/Kg
319-85-7	beta-BHC	0.0014	U	0.00031	0.0014	0.0029	mg/Kg
319-86-8	delta-BHC	0.0014	U	0.00067	0.0014	0.0029	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00057	U	0.00024	0.00057	0.0029	mg/Kg
76-44-8	Heptachlor	0.00057	U	0.00021	0.00057	0.0029	mg/Kg
309-00-2	Aldrin	0.00057	U	0.00021	0.00057	0.0029	mg/Kg
1024-57-3	Heptachlor epoxide	0.0014	U	0.00033	0.0014	0.0029	mg/Kg
959-98-8	Endosulfan I	0.00057	U	0.00024	0.00057	0.0029	mg/Kg
60-57-1	Dieldrin	0.00083	JP	0.00024	0.00057	0.0029	mg/Kg
72-55-9	4,4-DDE	0.0010	J	0.00024	0.00057	0.0029	mg/Kg
72-20-8	Endrin	0.0029	P	0.00024	0.00057	0.0029	mg/Kg
33213-65-9	Endosulfan II	0.0014	U	0.00050	0.0014	0.0029	mg/Kg
72-54-8	4,4-DDD	0.00057	U	0.00026	0.00057	0.0029	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00057	U	0.00022	0.00057	0.0029	mg/Kg
50-29-3	4,4-DDT	0.00057	U	0.00024	0.00057	0.0029	mg/Kg
72-43-5	Methoxychlor	0.0014	U	0.00064	0.0014	0.0029	mg/Kg
53494-70-5	Endrin ketone	0.0014	U	0.00033	0.0014	0.0029	mg/Kg
7421-93-4	Endrin aldehyde	0.0014	U	0.00064	0.0014	0.0029	mg/Kg
5103-71-9	alpha-Chlordane	0.0017	J	0.00021	0.00057	0.0029	mg/Kg
5103-74-2	gamma-Chlordane	0.0017	JP	0.00026	0.00057	0.0029	mg/Kg
8001-35-2	Toxaphene	0.029	U	0.0093	0.029	0.057	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	6.73	*	55 - 130		34%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.4		42 - 129		62%	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-43-071725RE	SDG No.:	Q2639
Lab Sample ID:	Q2639-11RE	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	58 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089630.D	1	07/21/25 08:30	07/24/25 17:58	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_D\Data\PD072525\
Data File : PD089630.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 17:58
Operator : AR\AJ
Sample : Q2639-11RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725RE

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:33:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.877	33673051	242.2E6	11.686	12.380m
28)	SA Decachlor...	9.069	8.065	27534133	165.3E6	6.704m	6.727m
	Target Compounds						
10)	B gamma-Chl...	5.942	5.118	8119486	81350770	1.713m	3.041m#
11)	B alpha-Chl...	6.027	5.185	13942933	58012999	2.925	2.249m
12)	B 4,4'-DDE	6.192	5.370	7142400	46356582	1.663	1.766m
13)	MA Dieldrin	6.348	5.506	3361246	38046653	0.712	1.440m#
14)	MA Endrin	6.579	5.790	6054779	124.1E6	1.487m	5.131m#

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

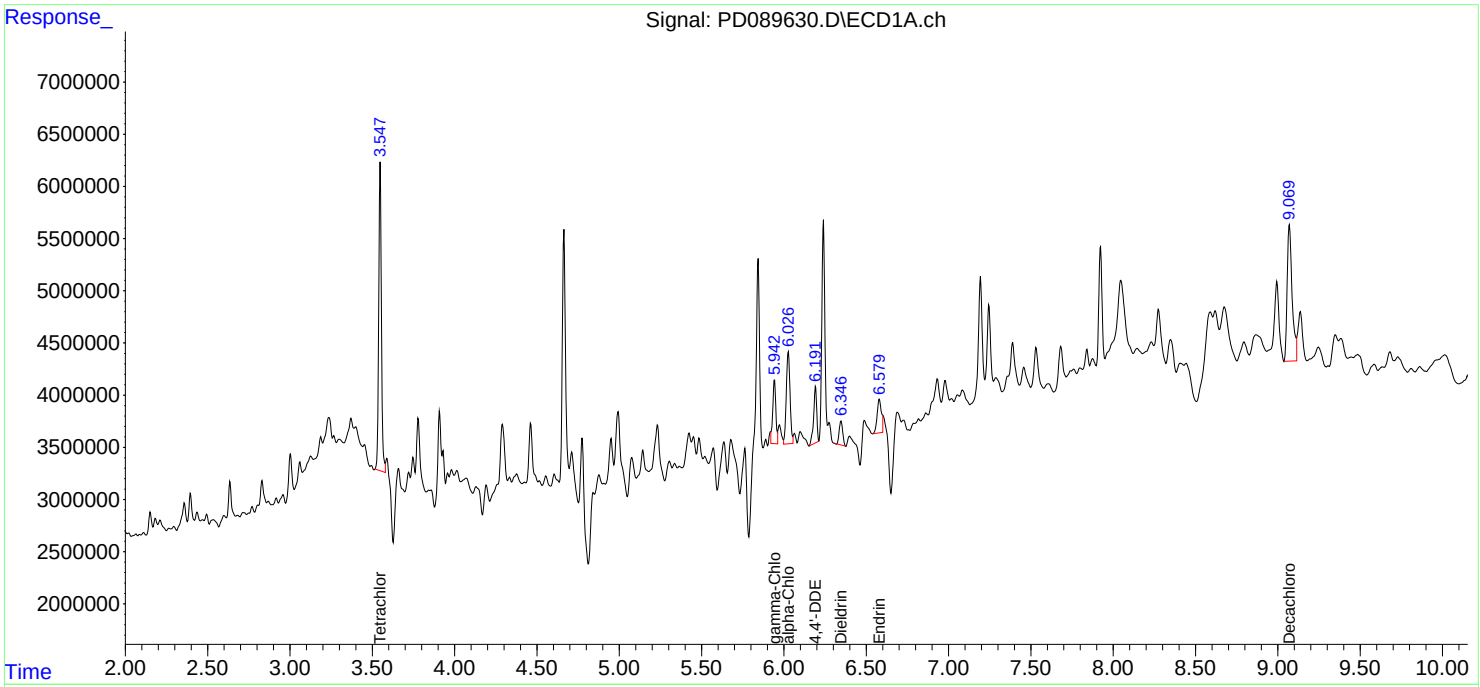
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072525\
Data File : PD089630.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 17:58
Operator : AR\AJ
Sample : Q2639-11RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

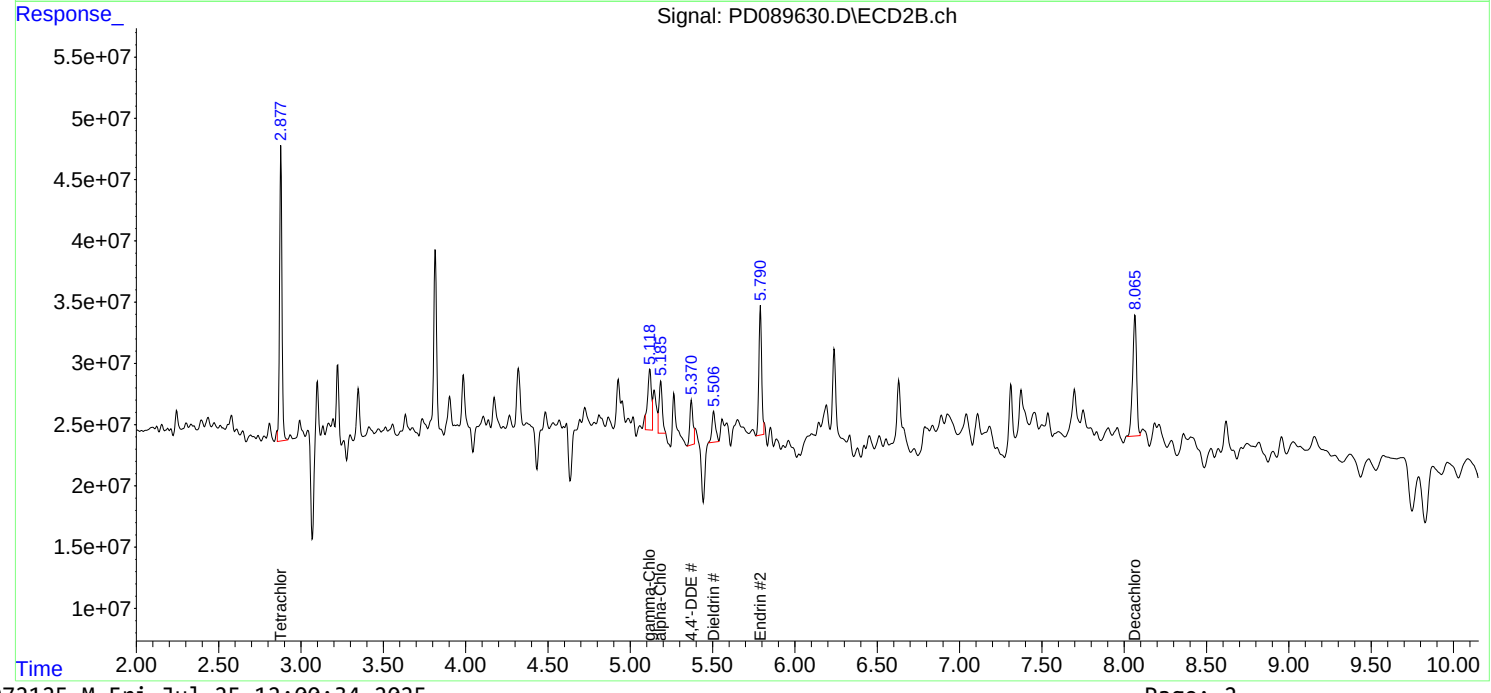
Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725RE

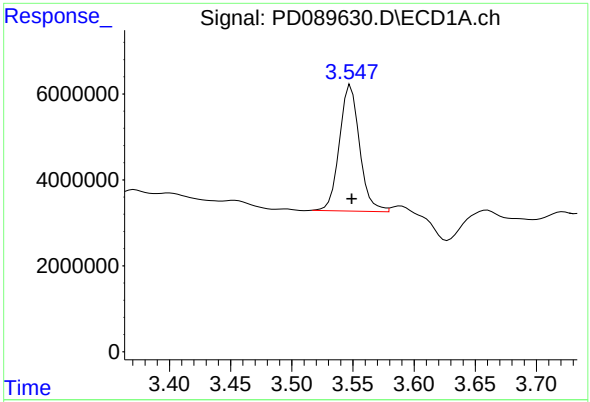
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:33:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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







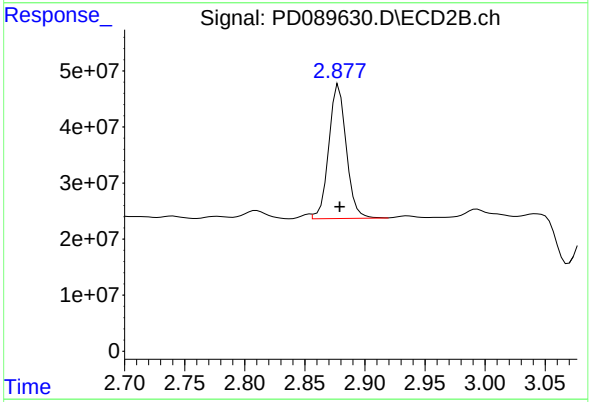
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 33673051
Conc: 11.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725RE

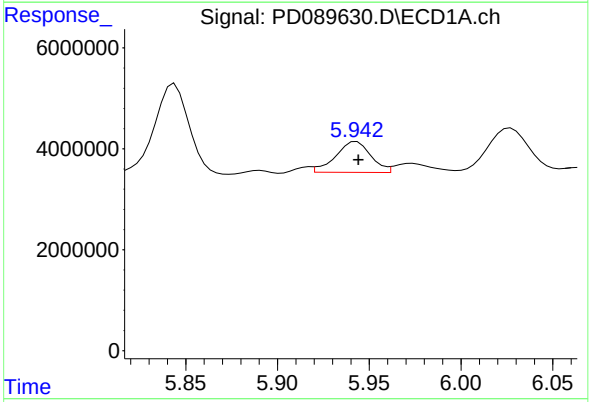
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



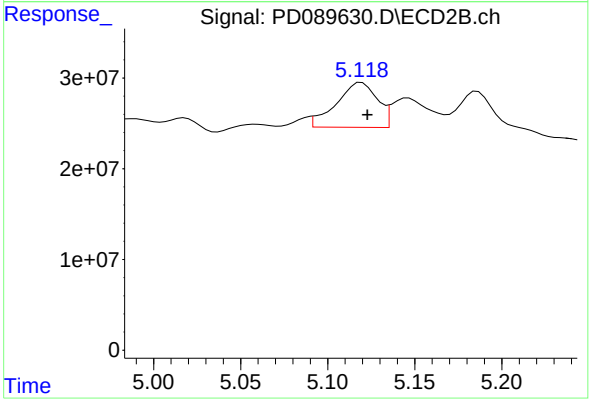
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: -0.002 min
Response: 242234610
Conc: 12.38 ng/ml m



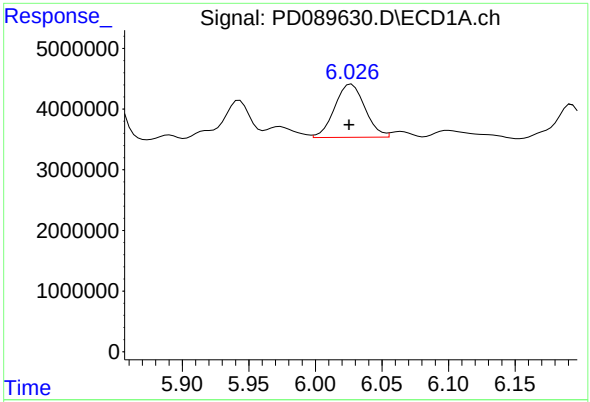
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: -0.002 min
Response: 8119486
Conc: 1.71 ng/ml m



#10 gamma-Chlordane

R.T.: 5.118 min
Delta R.T.: -0.005 min
Response: 81350770
Conc: 3.04 ng/ml m



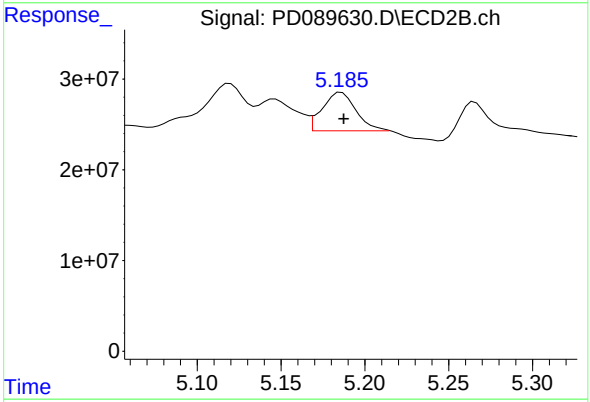
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.002 min
Response: 13942933
Conc: 2.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725RE

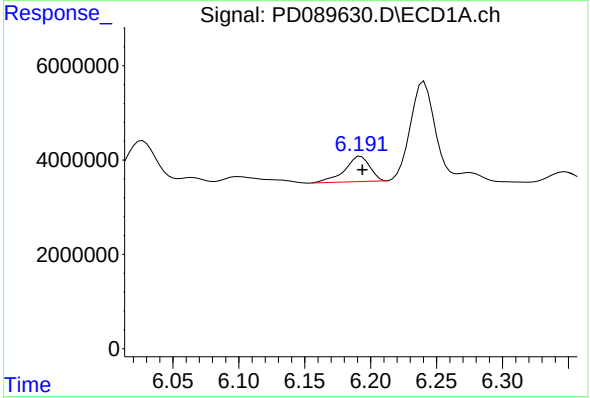
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



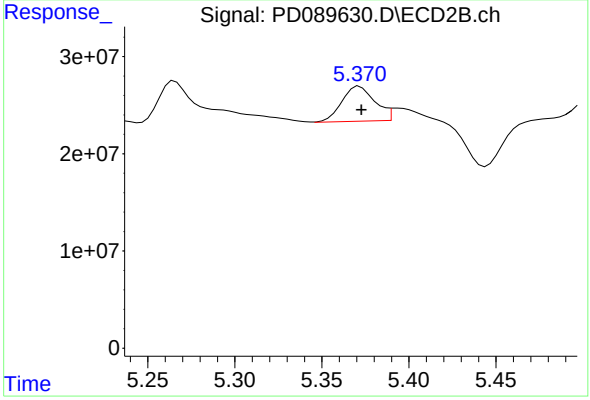
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: -0.003 min
Response: 58012999
Conc: 2.25 ng/ml m



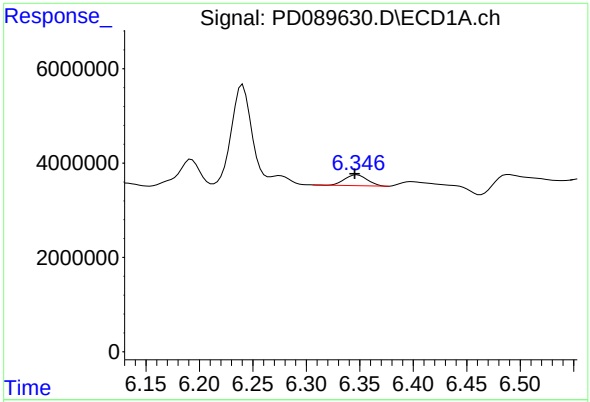
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.001 min
Response: 7142400
Conc: 1.66 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: -0.002 min
Response: 46356582
Conc: 1.77 ng/ml m



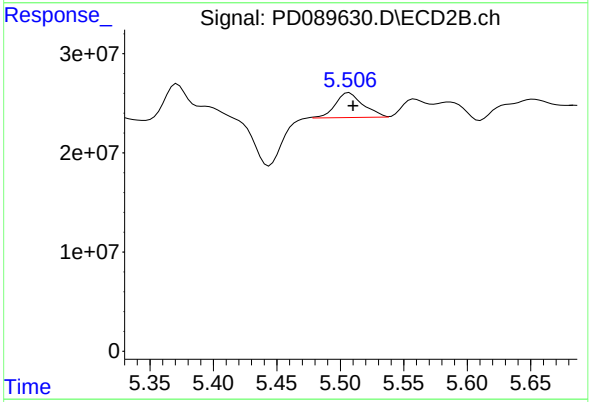
#13 Dieldrin

R.T.: 6.348 min
Delta R.T.: 0.002 min
Response: 3361246
Conc: 0.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725RE

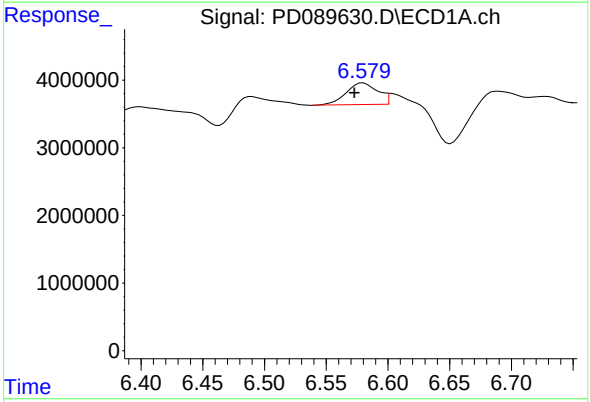
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



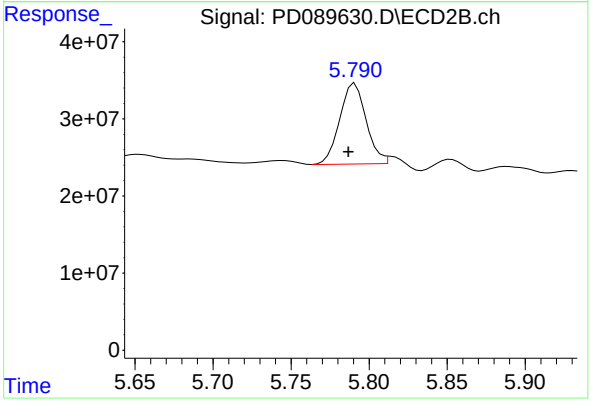
#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: -0.004 min
Response: 38046653
Conc: 1.44 ng/ml m



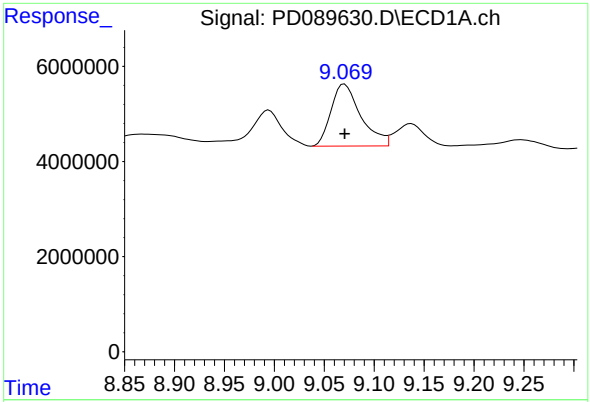
#14 Endrin

R.T.: 6.579 min
Delta R.T.: 0.006 min
Response: 6054779
Conc: 1.49 ng/ml m



#14 Endrin

R.T.: 5.790 min
Delta R.T.: 0.003 min
Response: 124068618
Conc: 5.13 ng/ml m



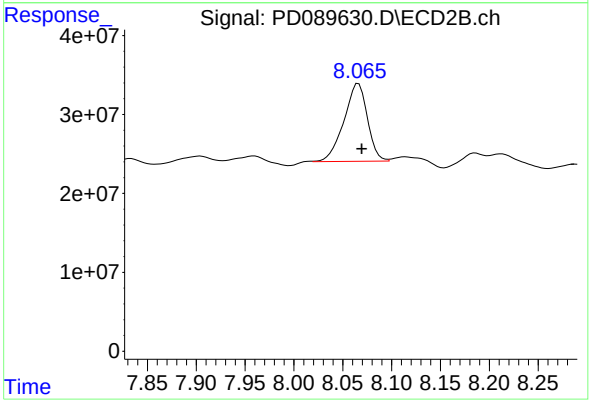
#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.002 min
Response: 27534133
Conc: 6.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725RE

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: -0.005 min
Response: 165277618
Conc: 6.73 ng/ml m

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/17/25
Project:	Raymark Superfund Site	Date Received:	07/18/25
Client Sample ID:	OU4-TS-44-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-13	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	64.9 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
PD089618.D	1	07/21/25 08:30	07/23/25 20:19	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	0.00018	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	0.00022	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	0.00052	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	0.00085	J	0.00018	0.00051	0.0026	mg/Kg
5103-74-2	gamma-Chlordane	0.00044	JP	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	6.45	*	55 - 130		32%	SPK: 20
877-09-8	Tetrachloro-m-xylene	10.4		42 - 129		52%	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:	07/18/25
Client Sample ID:	OU4-TS-44-071725	SDG No.:	Q2639
Lab Sample ID:	Q2639-13	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	64.9 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
PD089618.D	1	07/21/25 08:30	07/23/25 20:19	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_D\Data\PD072425\
Data File : PD089618.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 20:19
Operator : AR\AJ
Sample : Q2639-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:15:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.879	28790325	203.0E6	9.992	10.373
28)	SA Decachlor...	9.067	8.067	26509804	143.5E6	6.455m	5.839
	Target Compounds						
10)	B gamma-Chl...	5.942	5.121	4083524	13633939	0.861m	0.510m#
11)	B alpha-Chl...	6.025	5.186	7678925	42639698	1.611m	1.653
12)	B 4,4'-DDE	6.192	5.372	4380818	26767835	1.020	1.019

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

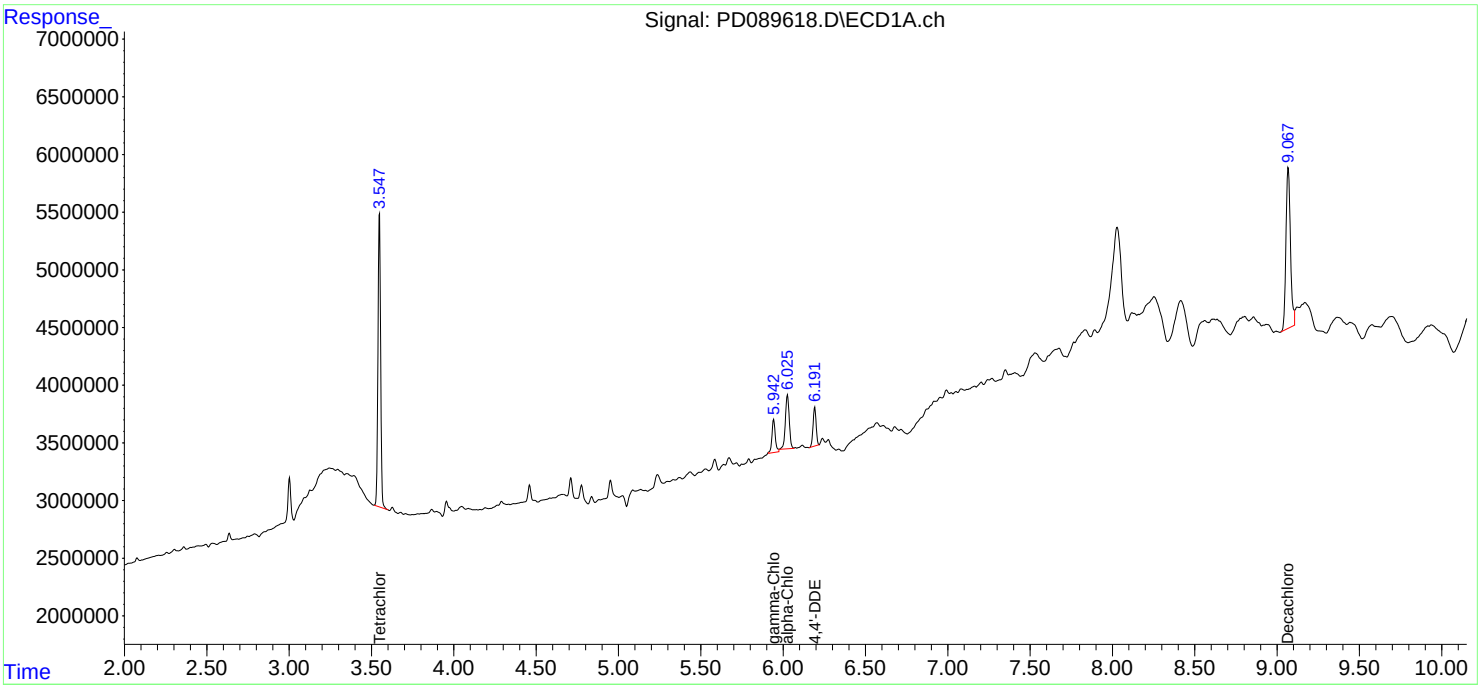
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089618.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 20:19
Operator : AR\AJ
Sample : Q2639-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

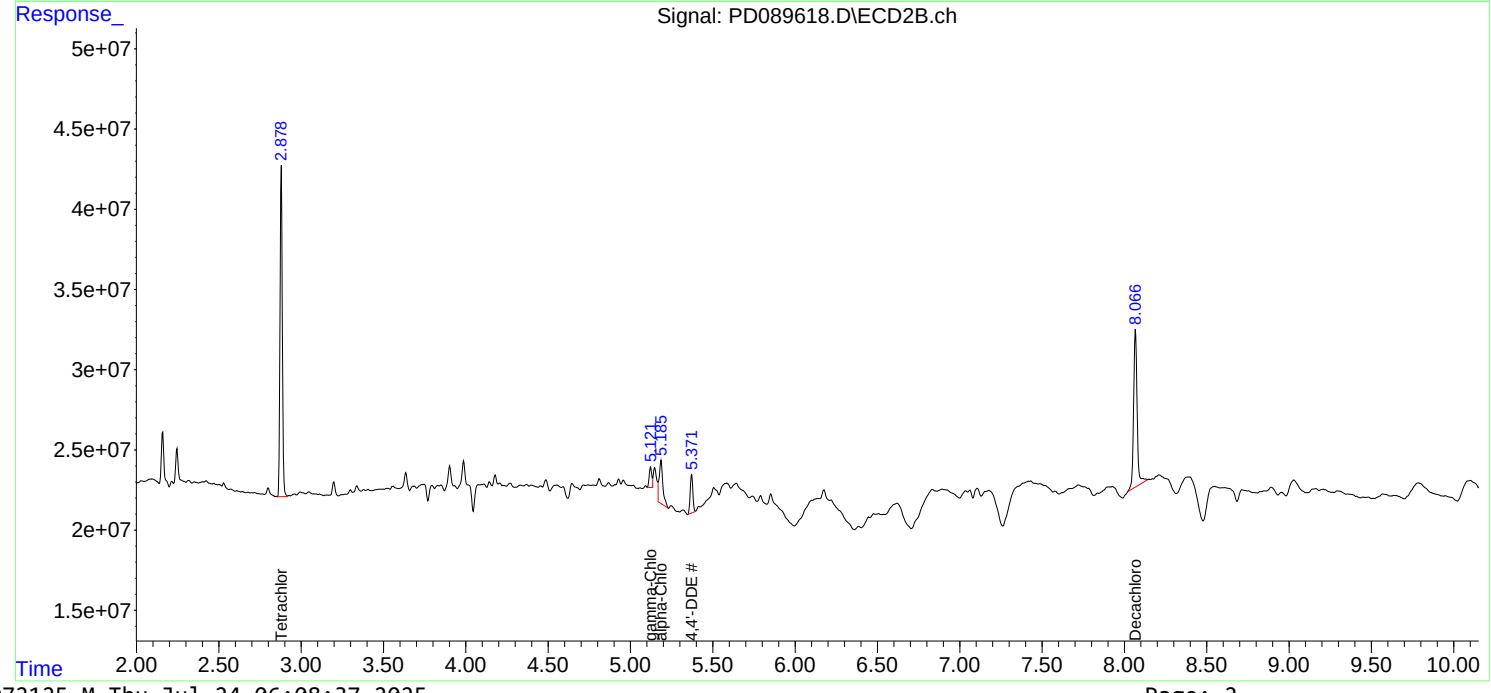
Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725

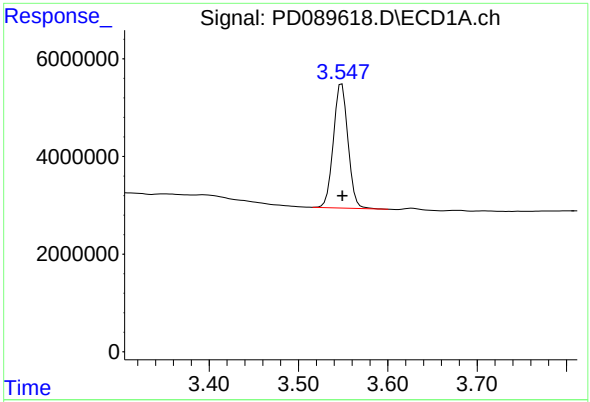
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:15:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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







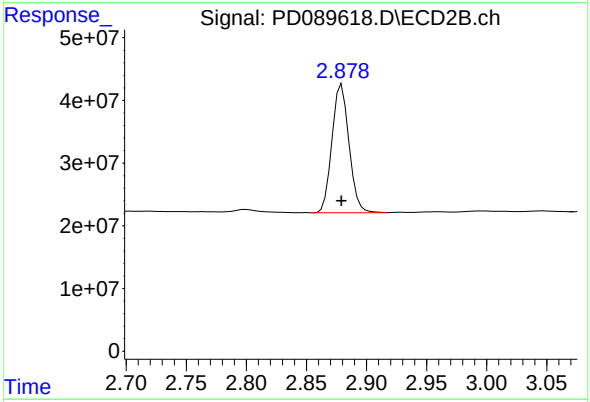
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 28790325
Conc: 9.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725

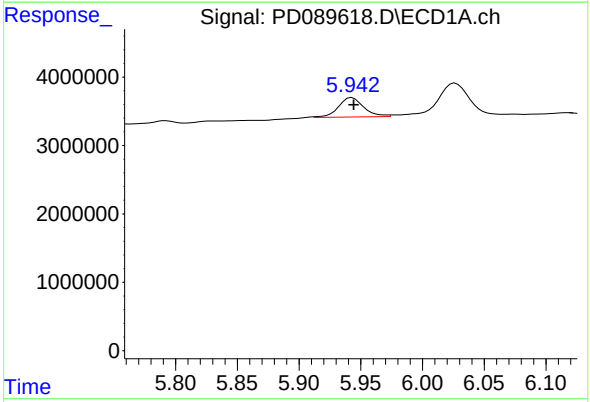
Manual Integrations APPROVED

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



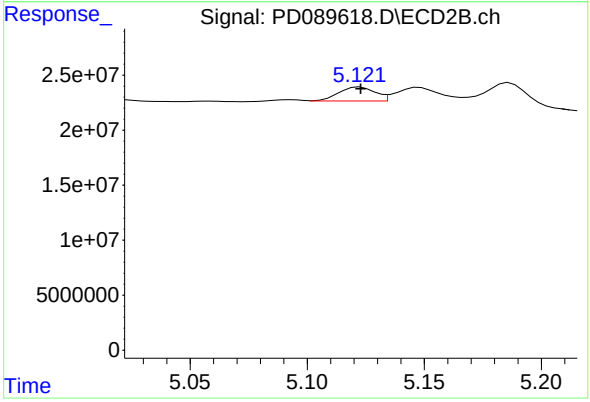
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 202952015
Conc: 10.37 ng/ml



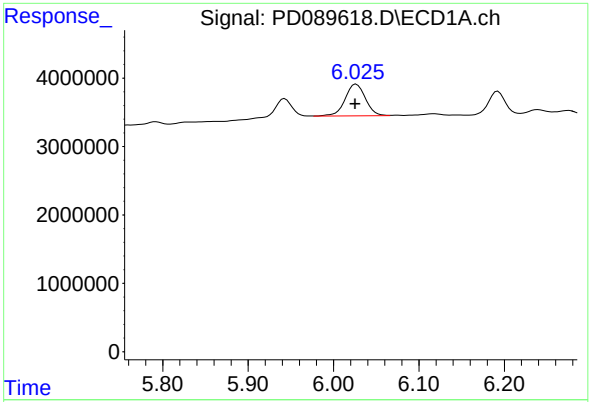
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: -0.003 min
Response: 4083524
Conc: 0.86 ng/ml m



#10 gamma-Chlordane

R.T.: 5.121 min
Delta R.T.: -0.002 min
Response: 13633939
Conc: 0.51 ng/ml m



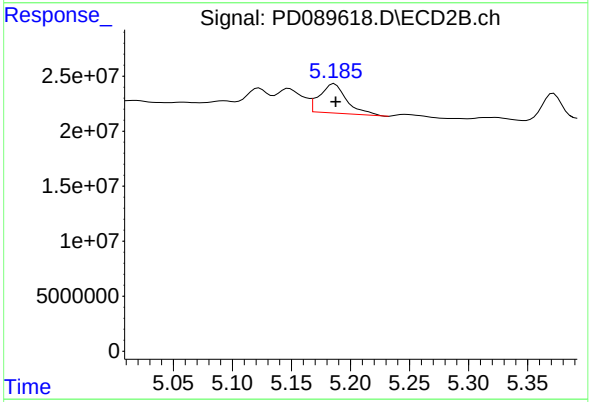
#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 7678925
Conc: 1.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725

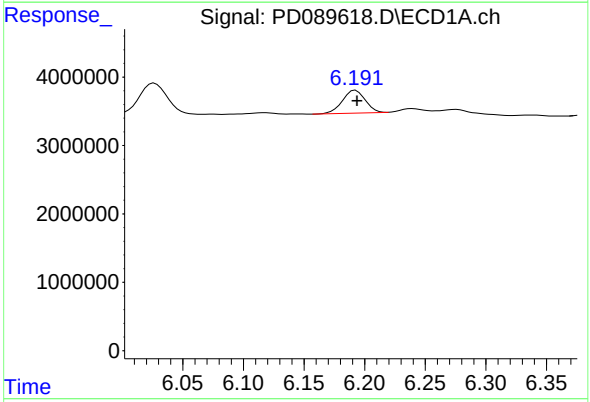
Manual Integrations APPROVED

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



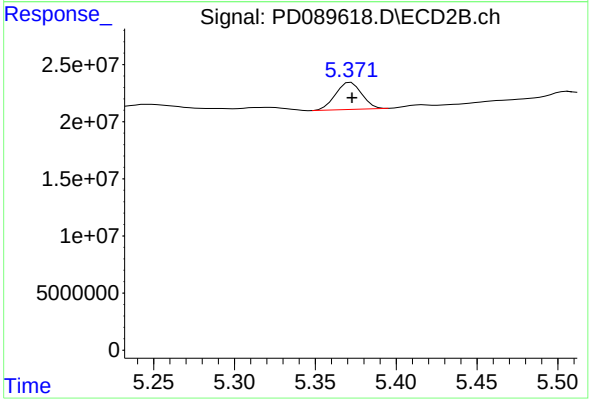
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 42639698
Conc: 1.65 ng/ml



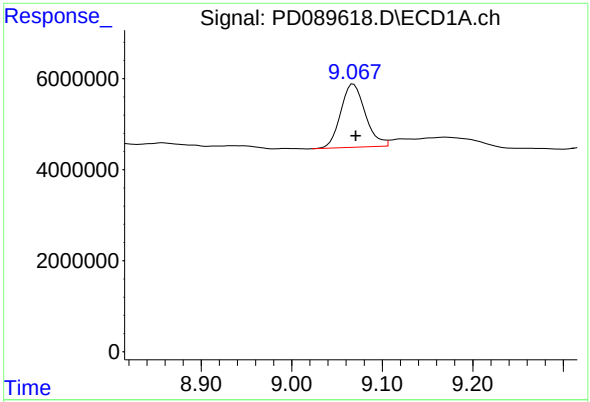
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.001 min
Response: 4380818
Conc: 1.02 ng/ml



#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 26767835
Conc: 1.02 ng/ml



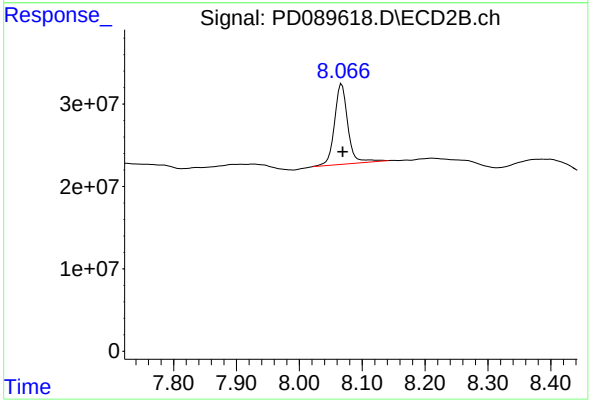
#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: -0.004 min
Response: 26509804
Conc: 6.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725

Manual Integrations APPROVED

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



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.002 min
Response: 143464664
Conc: 5.84 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:	07/18/25
Client Sample ID:	OU4-TS-44-071725RE	SDG No.:	Q2639
Lab Sample ID:	Q2639-13RE	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	64.9 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
PD089631.D	1	07/21/25 08:30	07/24/25 18:12	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	0.00018	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	0.00022	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	0.00055	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	0.00094	J	0.00018	0.00051	0.0026	mg/Kg
5103-74-2	gamma-Chlordane	0.00059	JP	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	6.62	*	55 - 130		33%	SPK: 20
877-09-8	Tetrachloro-m-xylene	10.7		42 - 129		54%	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-44-071725RE	SDG No.:	Q2639
Lab Sample ID:	Q2639-13RE	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	64.9 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
PD089631.D	1	07/21/25 08:30	07/24/25 18:12	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_D\Data\PD072525\
Data File : PD089631.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 18:12
Operator : AR\AJ
Sample : Q2639-13RE
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725RE

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:34:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.879	30414515	209.8E6	10.556	10.721
28)	SA Decachlor...	9.069	8.067	25140560	162.6E6	6.121	6.619
	Target Compounds						
10)	B gamma-Chl...	5.943	5.121	5457748	17885568	1.151	0.669m#
11)	B alpha-Chl...	6.025	5.186	8752331	45063780	1.836m	1.747
12)	B 4,4'-DDE	6.193	5.372	4645710	27345338	1.082	1.041

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

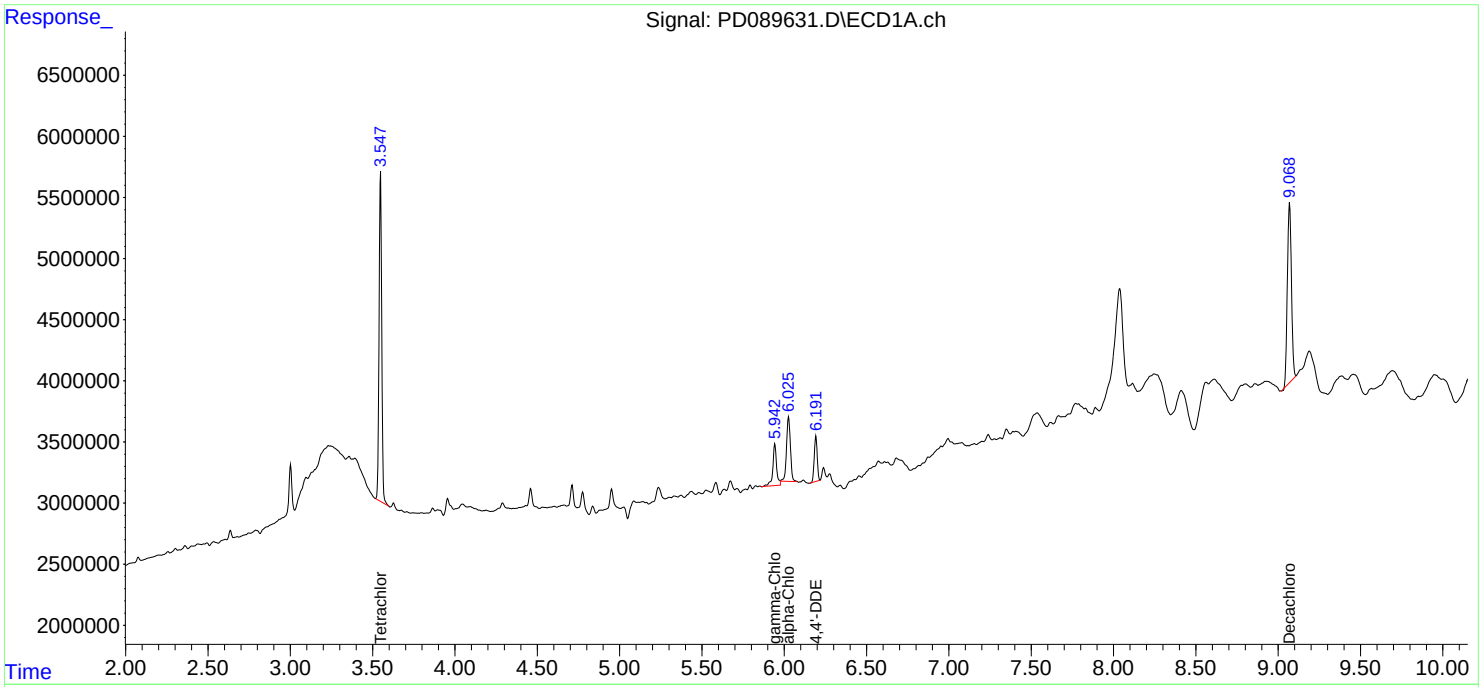
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072525\
Data File : PD089631.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 18:12
Operator : AR\AJ
Sample : Q2639-13RE
Misc :
ALS Vial : 9 Sample Multiplier: 1

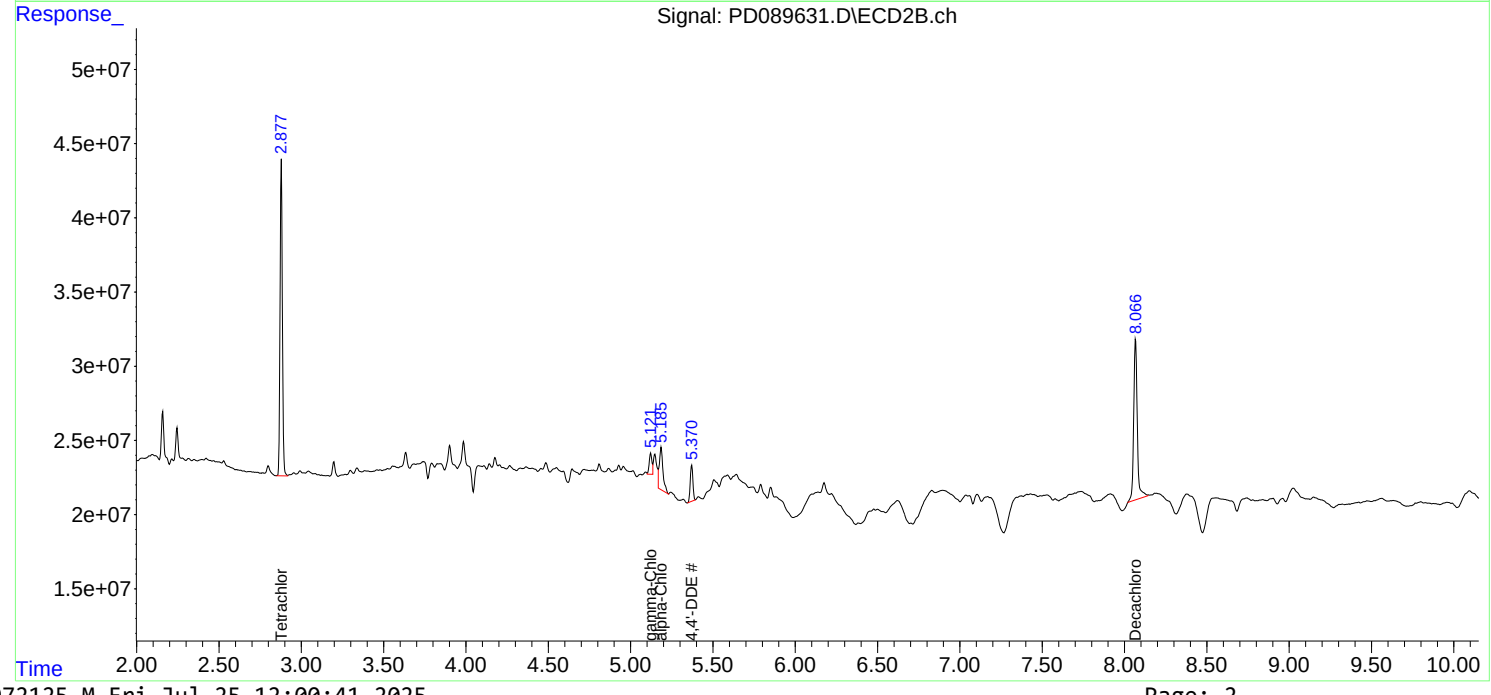
Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725RE

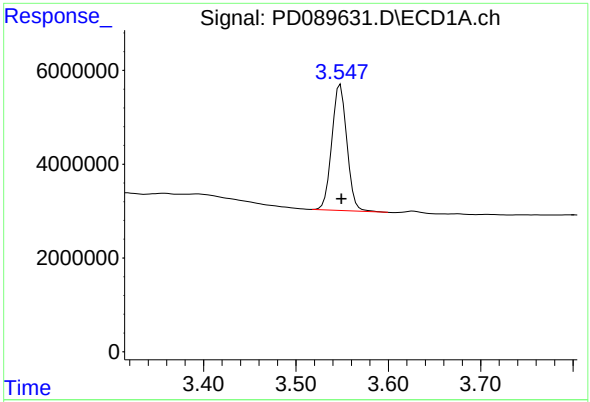
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:34:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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







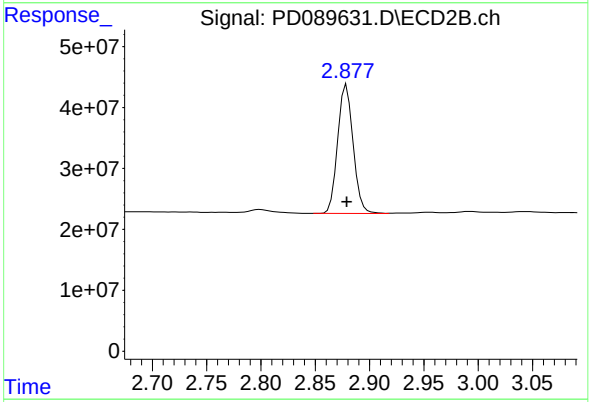
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 30414515
Conc: 10.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725RE

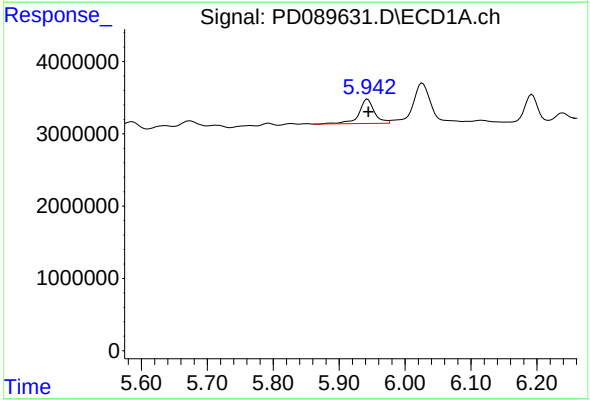
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



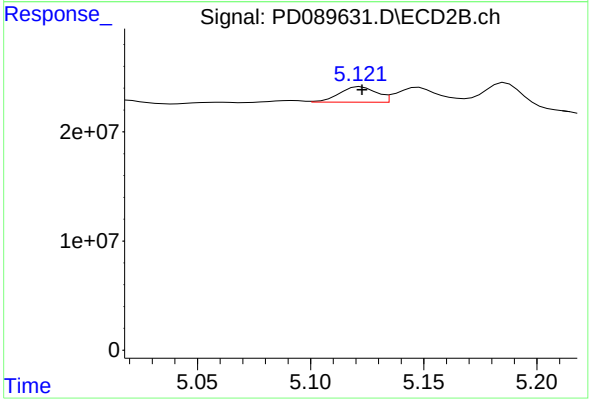
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 209760116
Conc: 10.72 ng/ml



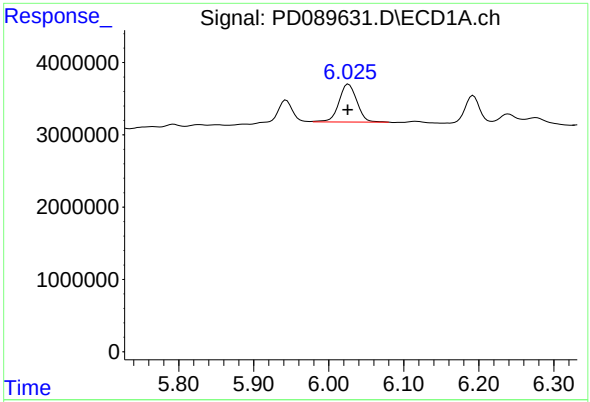
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: -0.001 min
Response: 5457748
Conc: 1.15 ng/ml



#10 gamma-Chlordane

R.T.: 5.121 min
Delta R.T.: -0.002 min
Response: 17885568
Conc: 0.67 ng/ml m



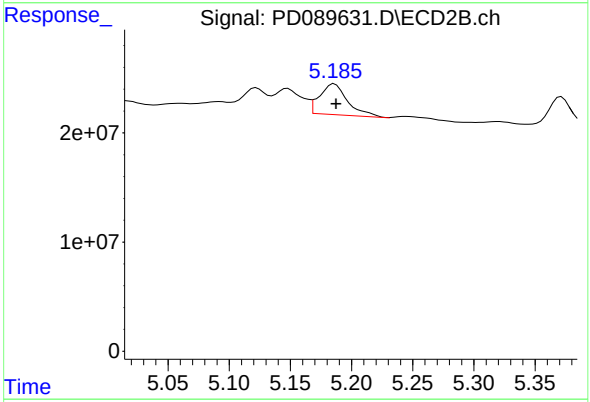
#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 8752331
Conc: 1.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725RE

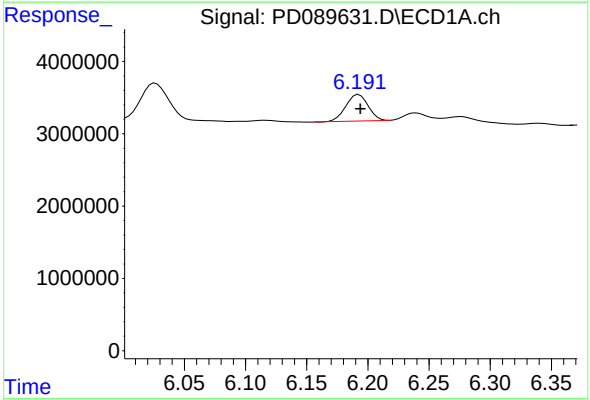
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



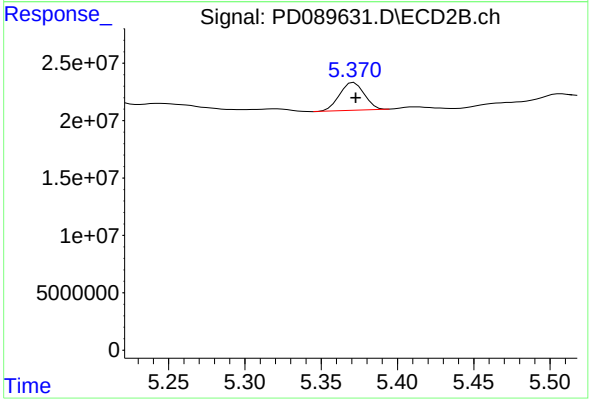
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: -0.001 min
Response: 45063780
Conc: 1.75 ng/ml



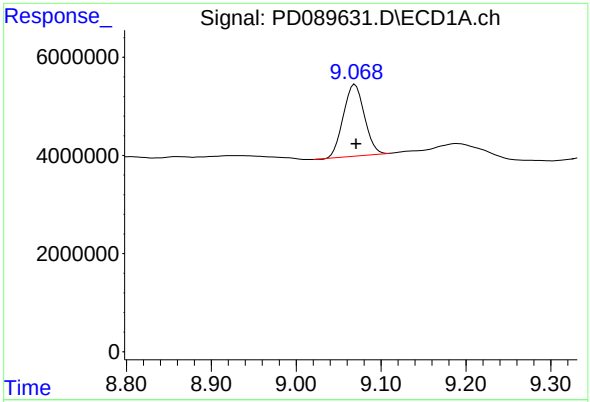
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: -0.001 min
Response: 4645710
Conc: 1.08 ng/ml



#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: -0.001 min
Response: 27345338
Conc: 1.04 ng/ml



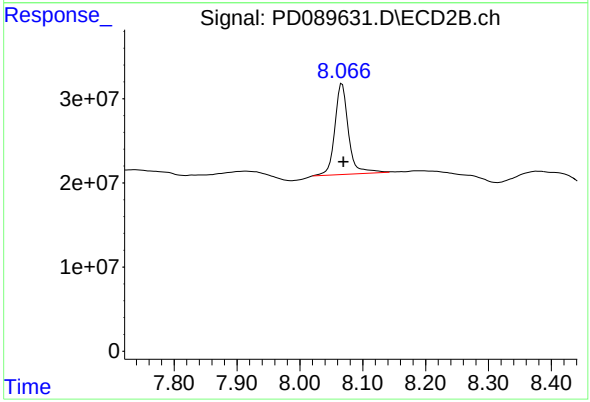
#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.001 min
Response: 25140560
Conc: 6.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725RE

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/25/2025
Supervised By :mohammad ahmed 07/26/2025



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.002 min
Response: 162628921
Conc: 6.62 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_D
Contract: NOBI03
SDG NO.: Q2639
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 12:49 13:44

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

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

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.70	6.70	6.70	6.70	6.70	6.70	6.60	6.80
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.03	6.03	6.02	6.03	6.03	6.02	5.92	6.12
beta-BHC	4.51	4.51	4.51	4.51	4.51	4.51	4.41	4.61
Decachlorobiphenyl	9.07	9.07	9.07	9.07	9.07	9.07	8.97	9.17
delta-BHC	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Dieldrin	6.35	6.35	6.35	6.35	6.35	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.78	6.78	6.78	6.78	6.78	6.78	6.68	6.88
Endosulfan sulfate	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.91	6.91	6.91	6.91	6.91	6.91	6.81	7.01
Endrin ketone	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.55	3.55	3.55	3.55	3.55	3.55	3.45	3.65

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

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: NOBI03
SDG NO.: Q2639
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 12:49 13:44

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

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

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.93	5.93	5.93	5.93	5.93	5.93	5.83	6.03
4,4'-DDE	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
4,4'-DDT	6.18	6.18	6.18	6.18	6.18	6.18	6.08	6.28
Aldrin	4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
alpha-BHC	3.39	3.39	3.39	3.39	3.39	3.39	3.29	3.49
alpha-Chlordane	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
beta-BHC	4.02	4.02	4.02	4.02	4.02	4.02	3.92	4.12
Decachlorobiphenyl	8.07	8.07	8.07	8.07	8.07	8.07	7.97	8.17
delta-BHC	4.26	4.26	4.26	4.26	4.26	4.26	4.16	4.36
Dieldrin	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Endosulfan I	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
Endosulfan II	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Endosulfan sulfate	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
Endrin	5.79	5.79	5.79	5.79	5.79	5.79	5.69	5.89
Endrin aldehyde	6.26	6.26	6.26	6.26	6.26	6.26	6.16	6.36
Endrin ketone	6.99	6.99	6.99	6.99	6.99	6.99	6.89	7.09
gamma-BHC (Lindane)	3.73	3.73	3.73	3.73	3.73	3.73	3.63	3.83
gamma-Chlordane	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Heptachlor	4.08	4.08	4.08	4.08	4.08	4.08	3.98	4.18
Heptachlor epoxide	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Methoxychlor	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
Tetrachloro-m-xylene	2.88	2.88	2.88	2.88	2.88	2.88	2.78	2.98

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: NOBI03
SDG NO.: Q2639
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 12:49 13:44

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

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

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

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: NOBI03
SDG NO.: Q2639
Calibration Date(s): 07/21/2025 07/21/2025
Calibration Times: 12:49 13:44

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

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

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

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.24	6.14	6.34	38650400
		2	6.44	6.34	6.54	53066200
		3	7.15	7.05	7.25	100896000
		4	7.56	7.46	7.66	131991000
		5	7.93	7.83	8.03	73924900

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.47	5.37	5.57	200100000
		2	5.64	5.54	5.74	130237000
		3	6.75	6.65	6.85	667274000
		4	7.20	7.10	7.30	456670000
		5	7.33	7.23	7.43	342929000

Quantitation Report (QT Reviewed)

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC100

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

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

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

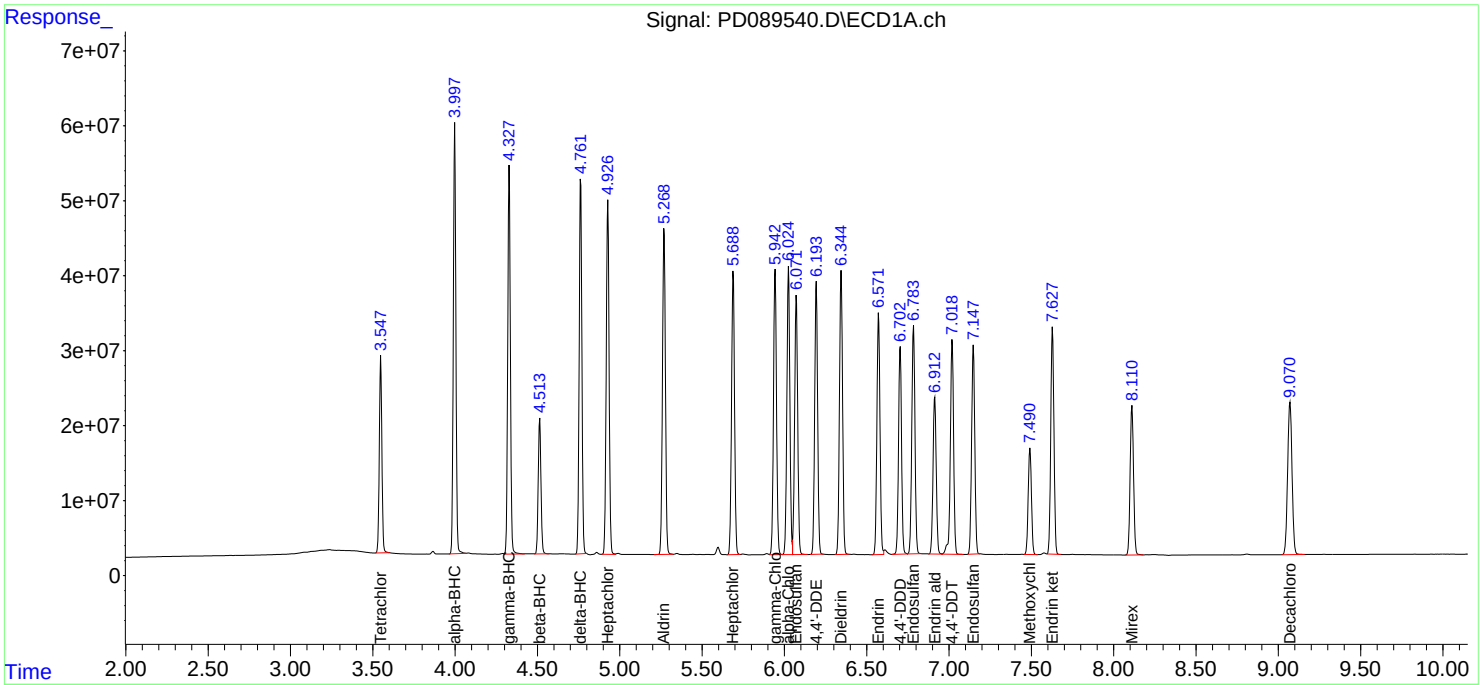
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

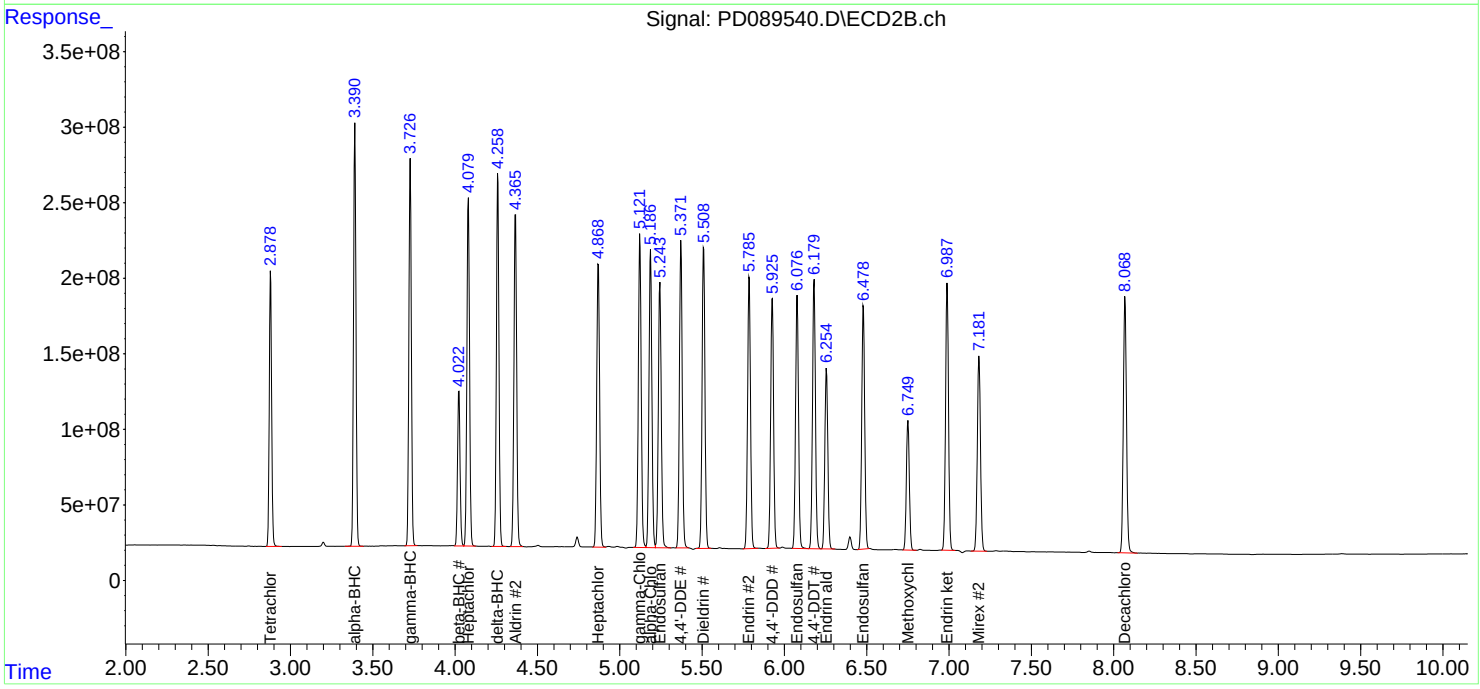
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089540.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:49
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

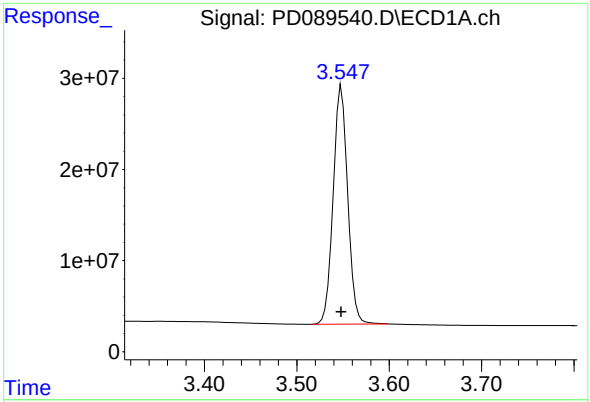
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

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

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



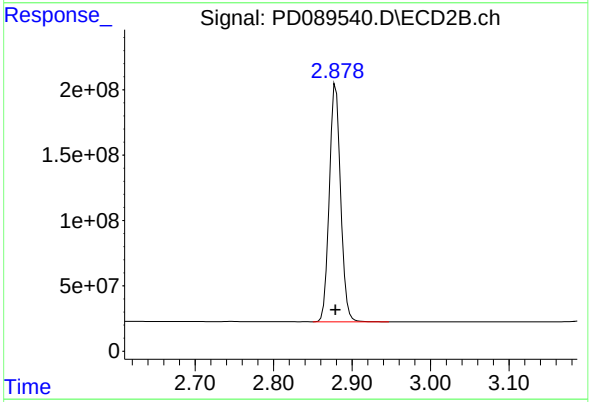




#1 Tetrachloro-m-xylene

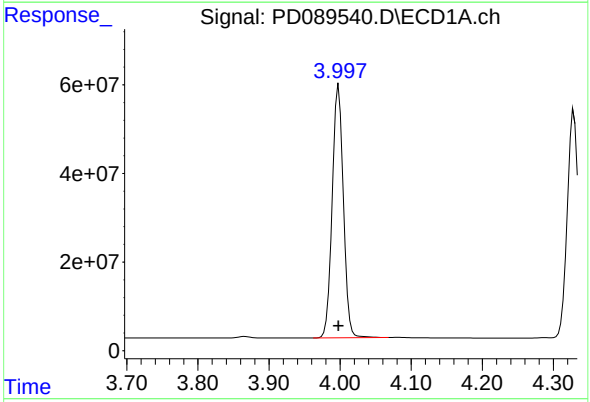
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 286119917
Conc: 100.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



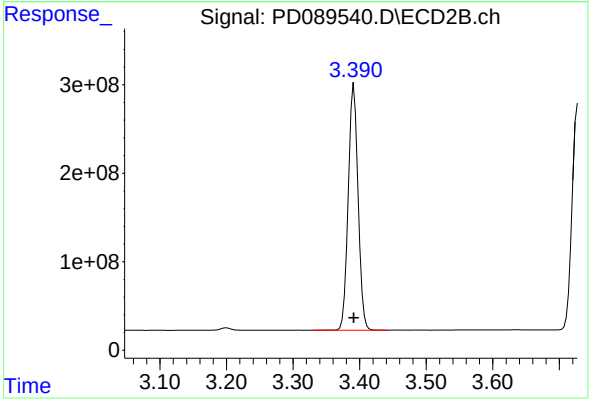
#1 Tetrachloro-m-xylene

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



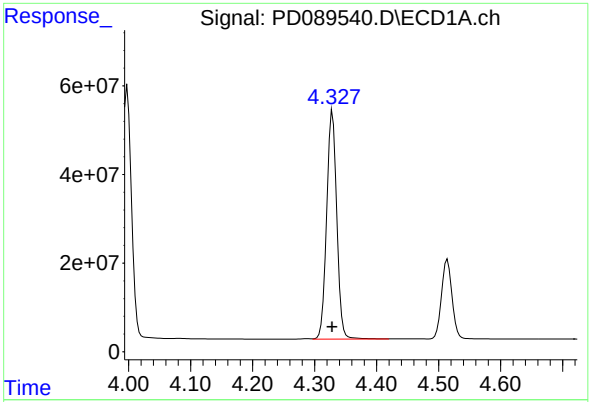
#2 alpha-BHC

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



#2 alpha-BHC

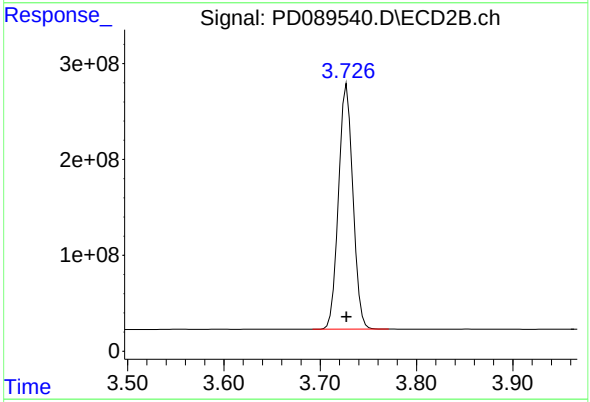
R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 2863111820
Conc: 97.62 ng/ml



#3 gamma-BHC (Lindane)

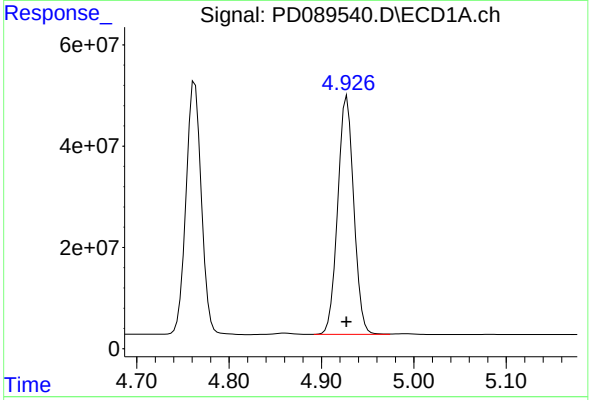
R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 583156558
Conc: 105.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



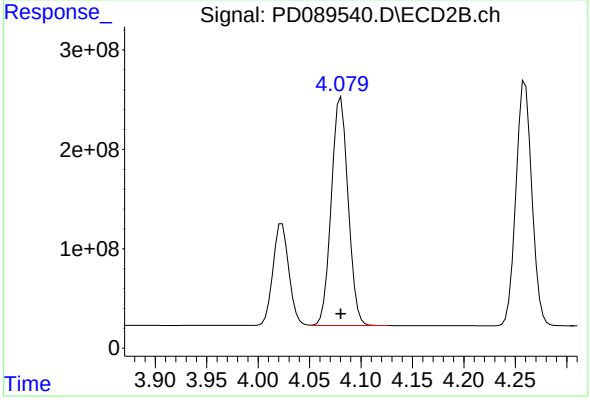
#3 gamma-BHC (Lindane)

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



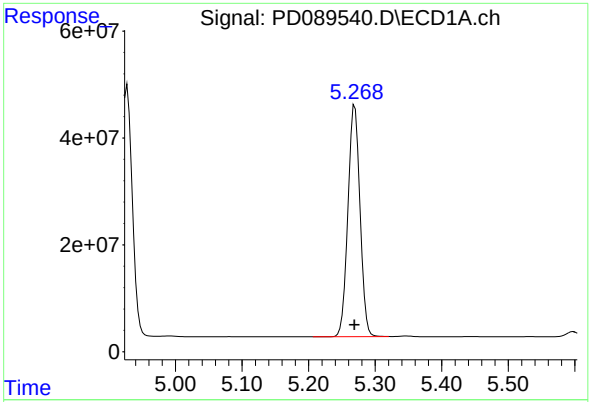
#4 Heptachlor

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



#4 Heptachlor

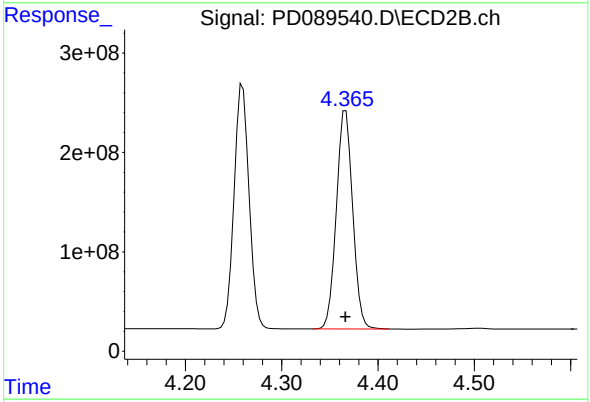
R.T.: 4.081 min
Delta R.T.: 0.000 min
Response: 2614484799
Conc: 96.15 ng/ml



#5 Aldrin

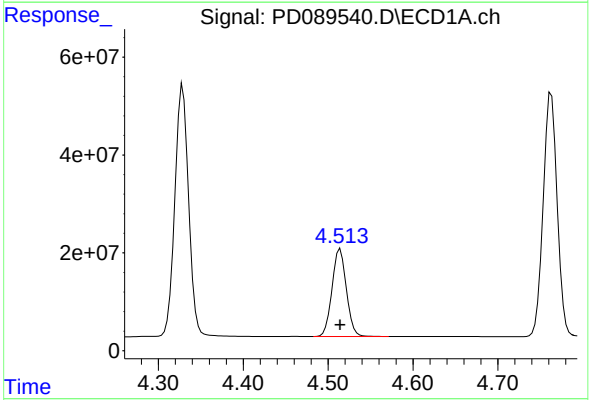
R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 547410961
Conc: 105.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



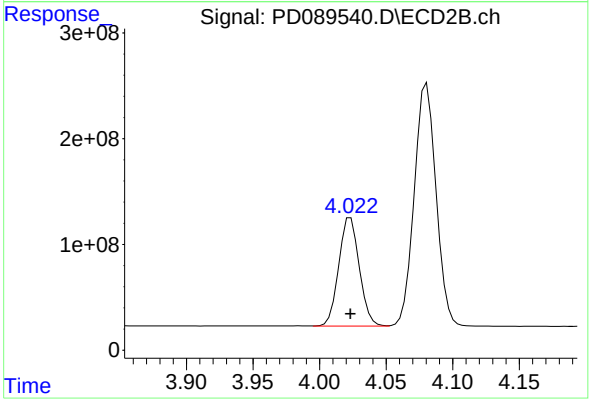
#5 Aldrin

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



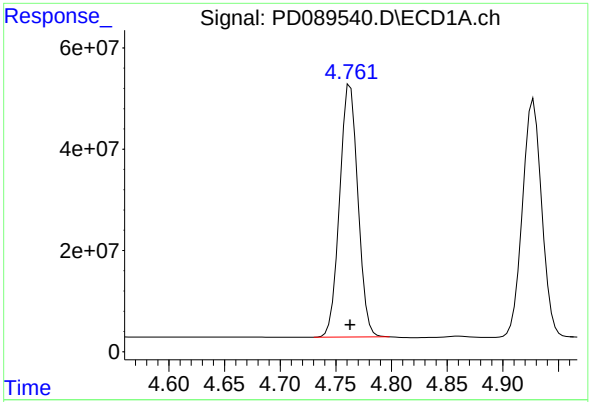
#6 beta-BHC

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



#6 beta-BHC

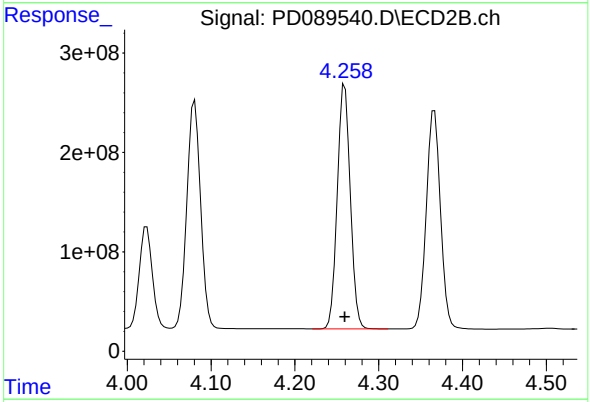
R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 1102033476
Conc: 95.55 ng/ml



#7 delta-BHC

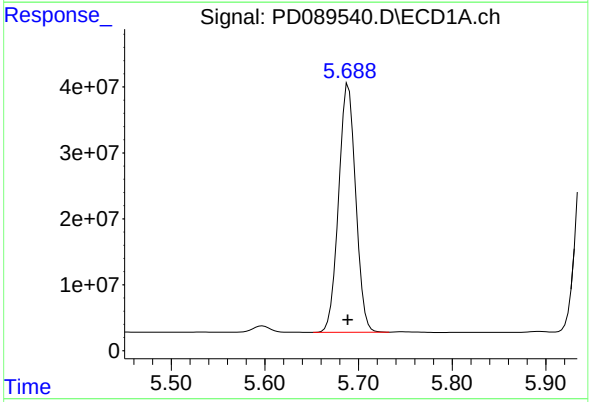
R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 570274072
Conc: 106.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



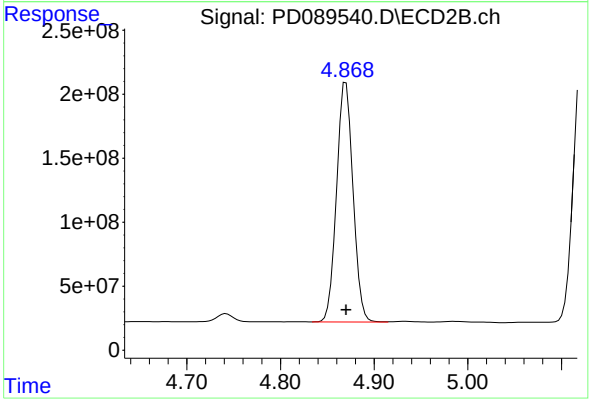
#7 delta-BHC

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



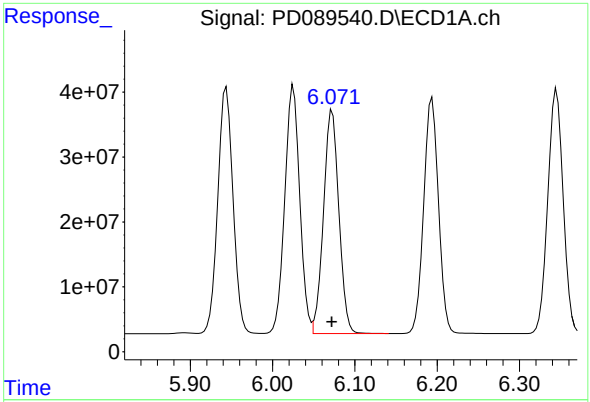
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

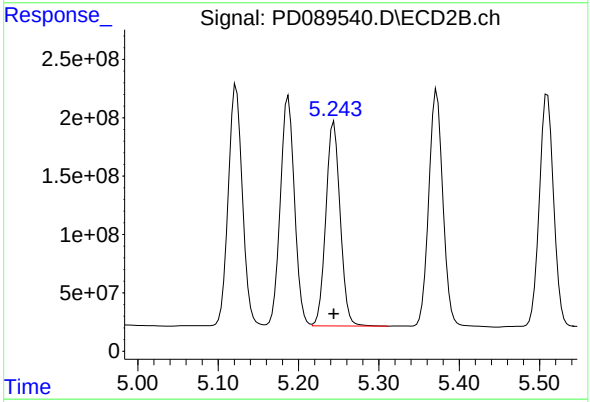
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 2287957679
Conc: 95.27 ng/ml



#9 Endosulfan I

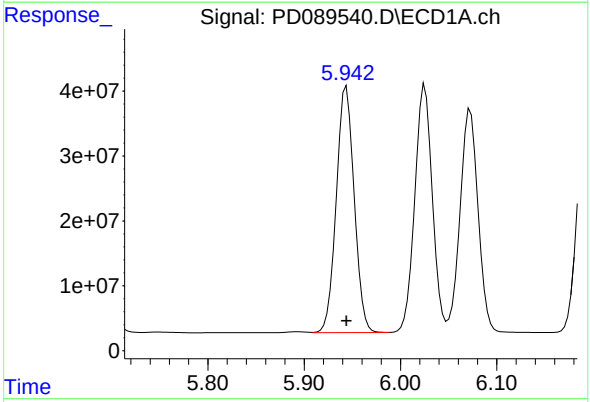
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 447983659
Conc: 102.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



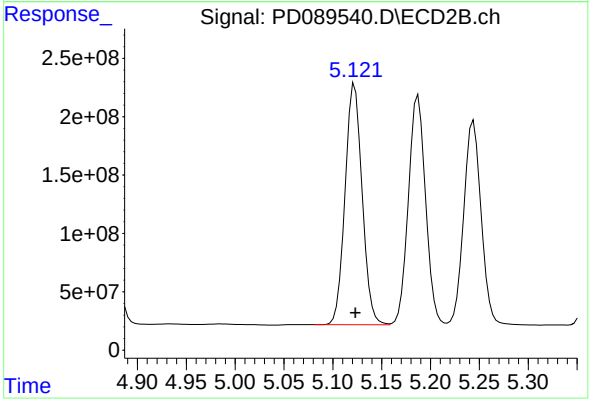
#9 Endosulfan I

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



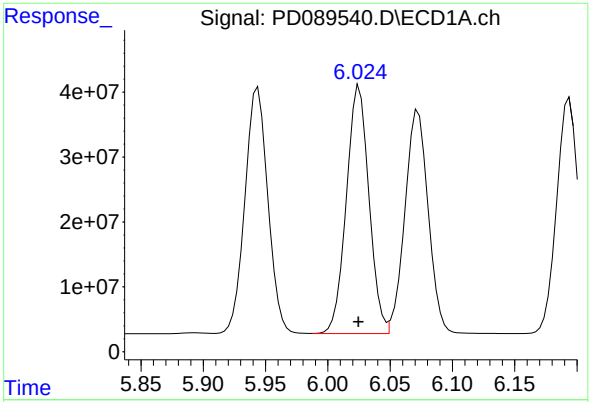
#10 gamma-Chlordane

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



#10 gamma-Chlordane

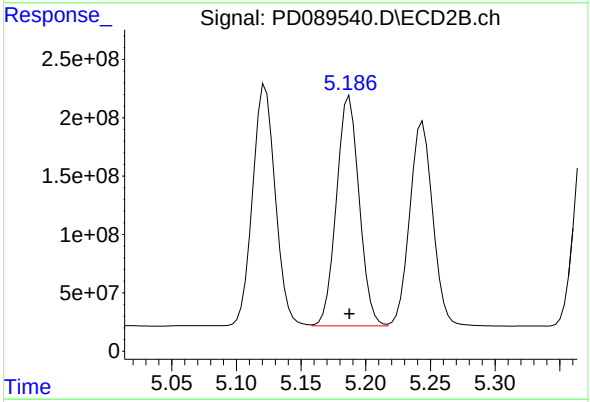
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 2511852667
Conc: 97.32 ng/ml



#11 alpha-Chlordane

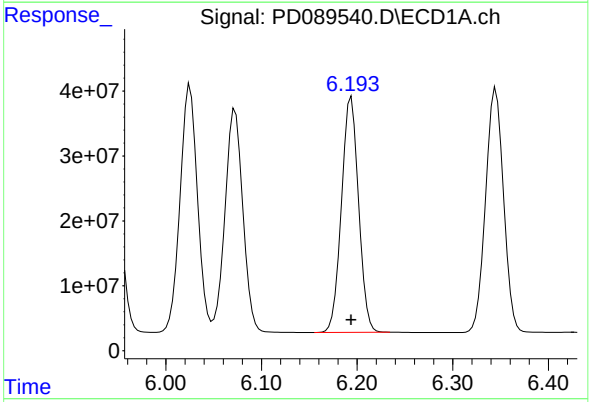
R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 484777537
Conc: 104.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



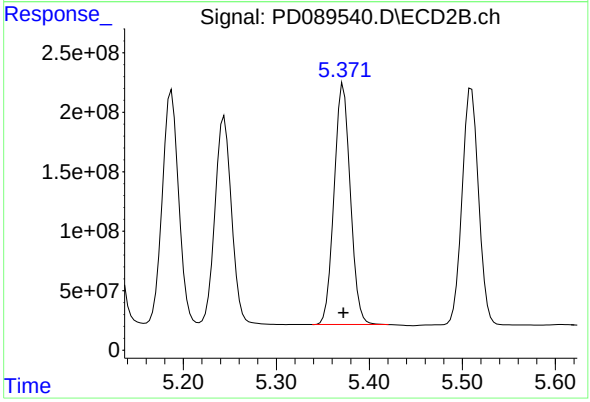
#11 alpha-Chlordane

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



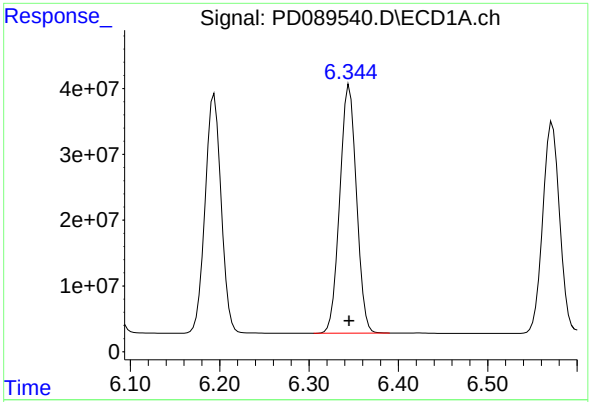
#12 4,4'-DDE

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



#12 4,4'-DDE

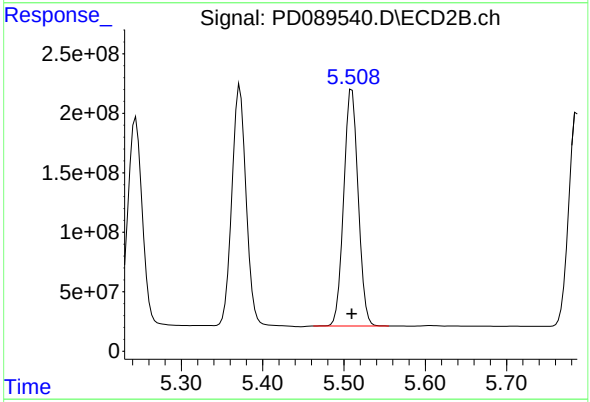
R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 2456906476
Conc: 97.03 ng/ml



#13 Dieldrin

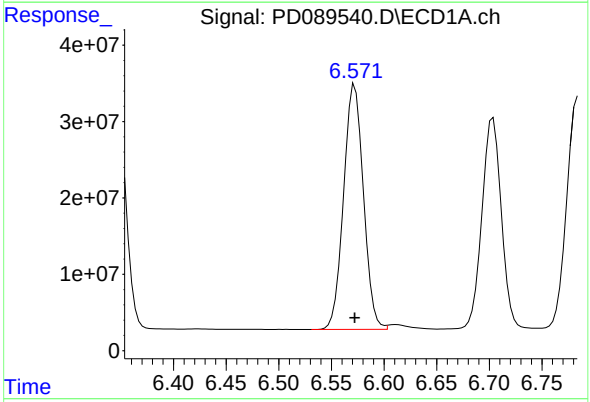
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 489507270
Conc: 104.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



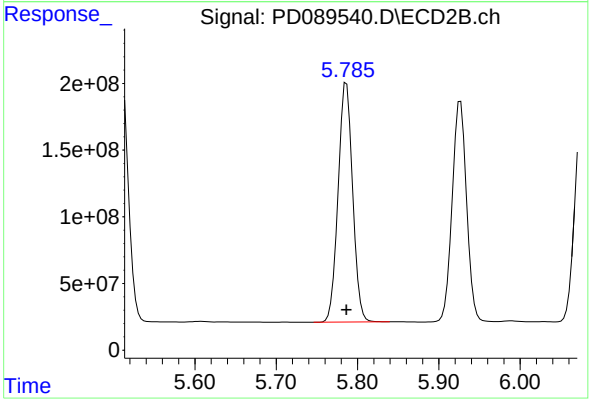
#13 Dieldrin

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



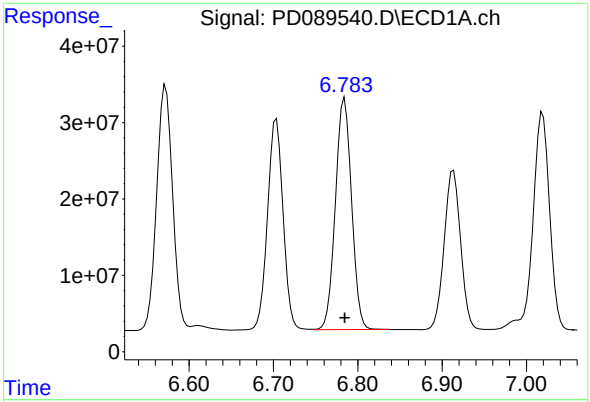
#14 Endrin

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



#14 Endrin

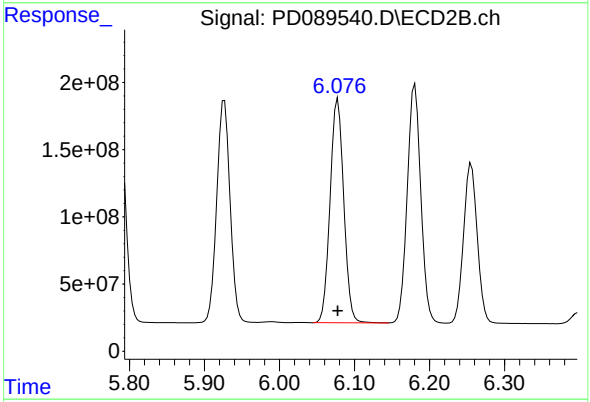
R.T.: 5.786 min
Delta R.T.: 0.000 min
Response: 2222143904
Conc: 95.50 ng/ml



#15 Endosulfan II

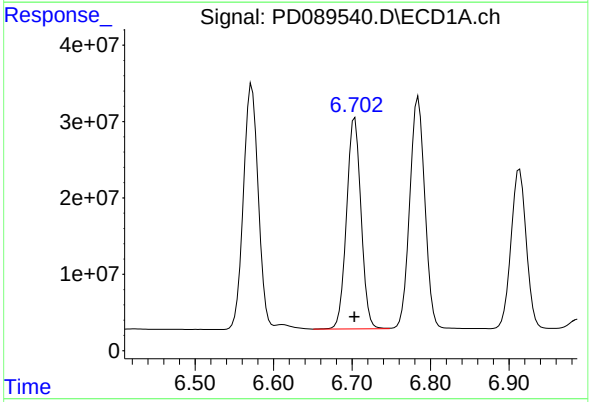
R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 404357542
Conc: 102.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



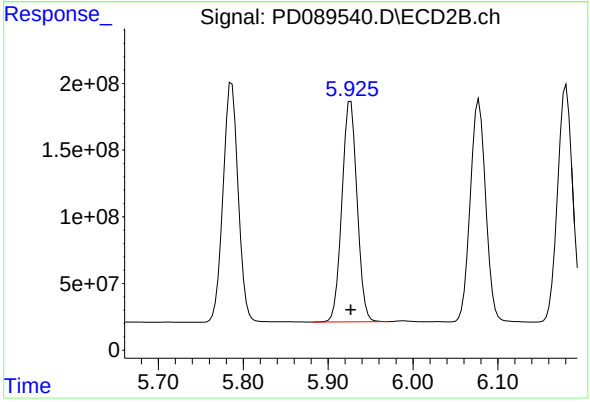
#15 Endosulfan II

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



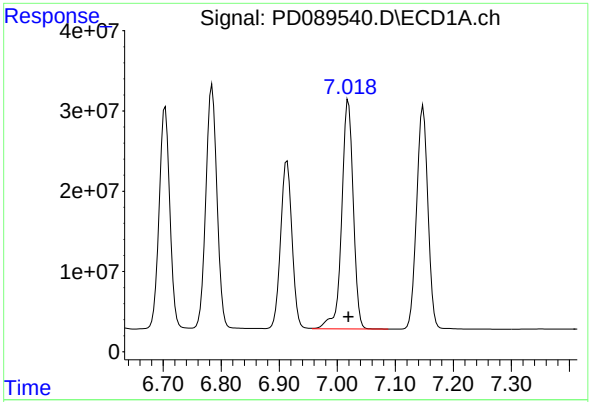
#16 4,4'-DDD

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



#16 4,4'-DDD

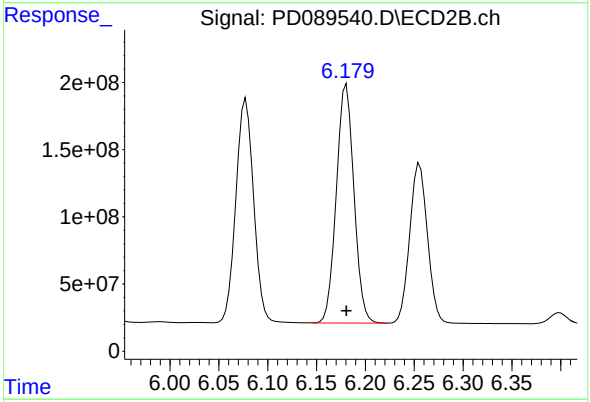
R.T.: 5.927 min
Delta R.T.: 0.000 min
Response: 2047757920
Conc: 97.09 ng/ml



#17 4,4'-DDT

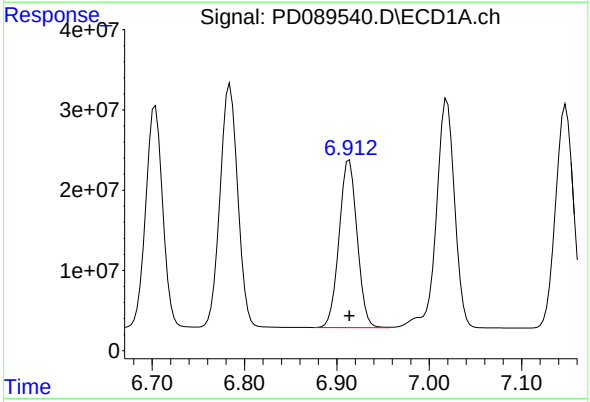
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 393038747
Conc: 105.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



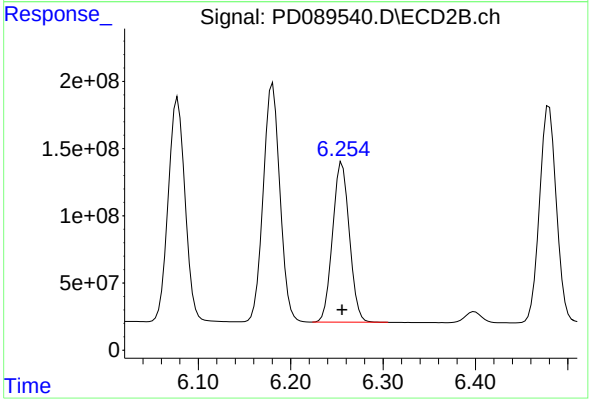
#17 4,4'-DDT

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



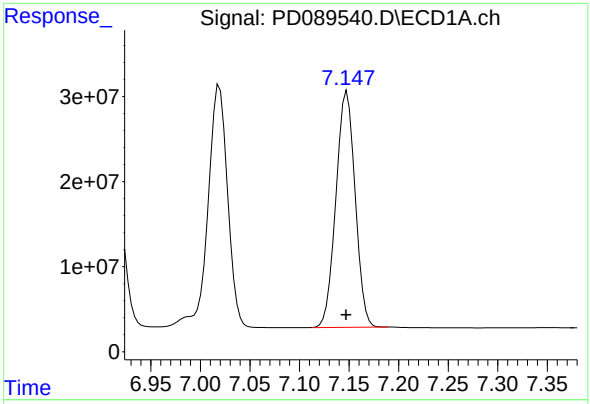
#18 Endrin aldehyde

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



#18 Endrin aldehyde

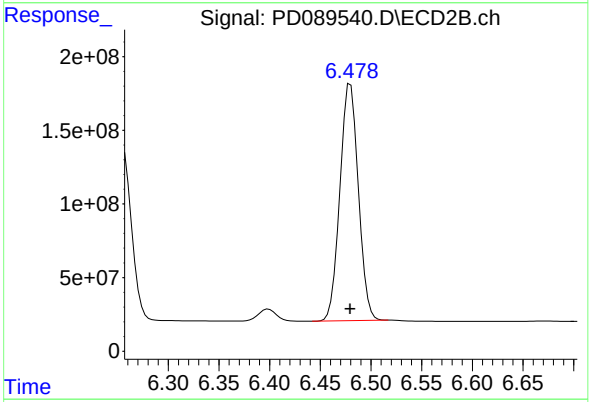
R.T.: 6.256 min
Delta R.T.: 0.000 min
Response: 1503098798
Conc: 95.25 ng/ml



#19 Endosulfan Sulfate

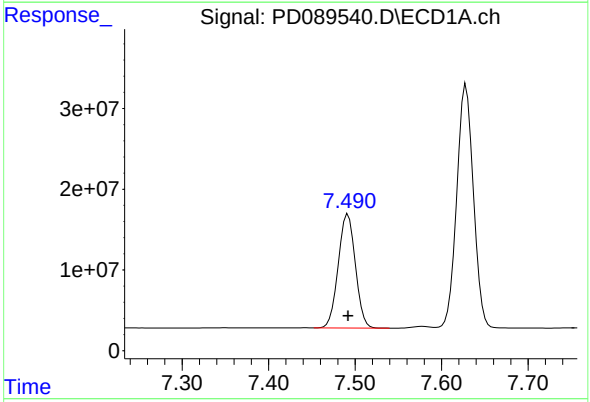
R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 374489898
Conc: 102.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



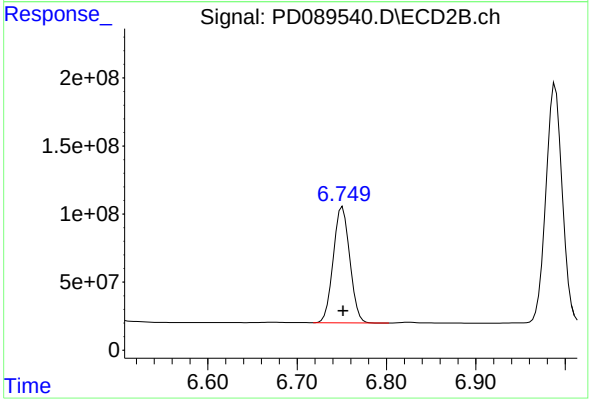
#19 Endosulfan Sulfate

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



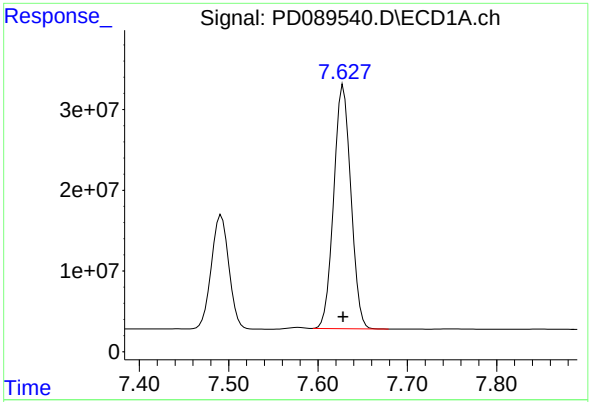
#20 Methoxychlor

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



#20 Methoxychlor

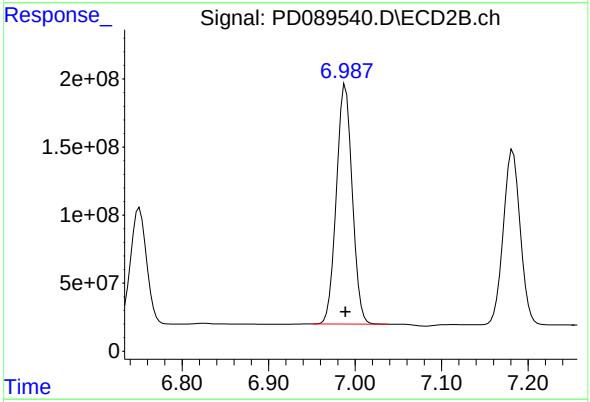
R.T.: 6.751 min
Delta R.T.: 0.000 min
Response: 1096489853
Conc: 93.45 ng/ml



#21 Endrin ketone

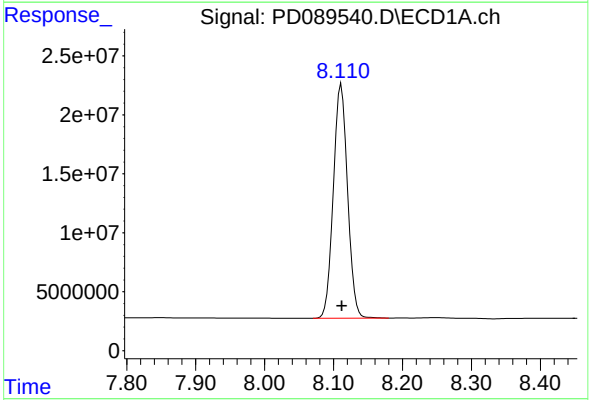
R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 402264257
Conc: 102.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



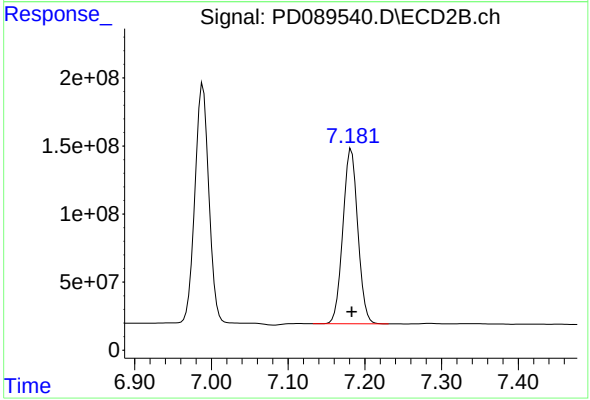
#21 Endrin ketone

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



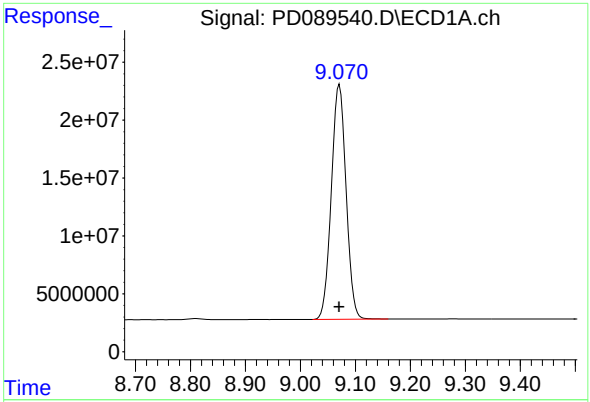
#22 Mirex

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



#22 Mirex

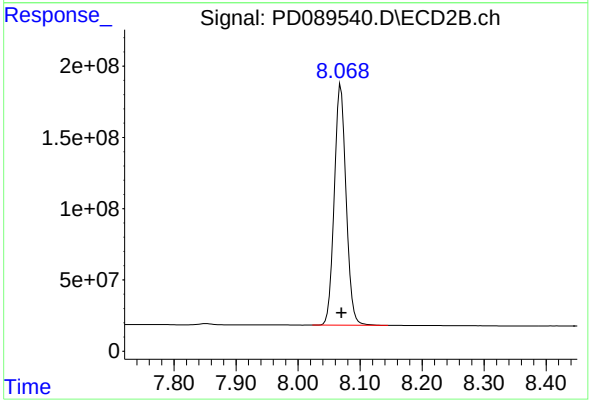
R.T.: 7.182 min
Delta R.T.: 0.000 min
Response: 1748387576
Conc: 95.30 ng/ml



#28 Decachlorobiphenyl

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

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

Quantitation Report (QT Reviewed)

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

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

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

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

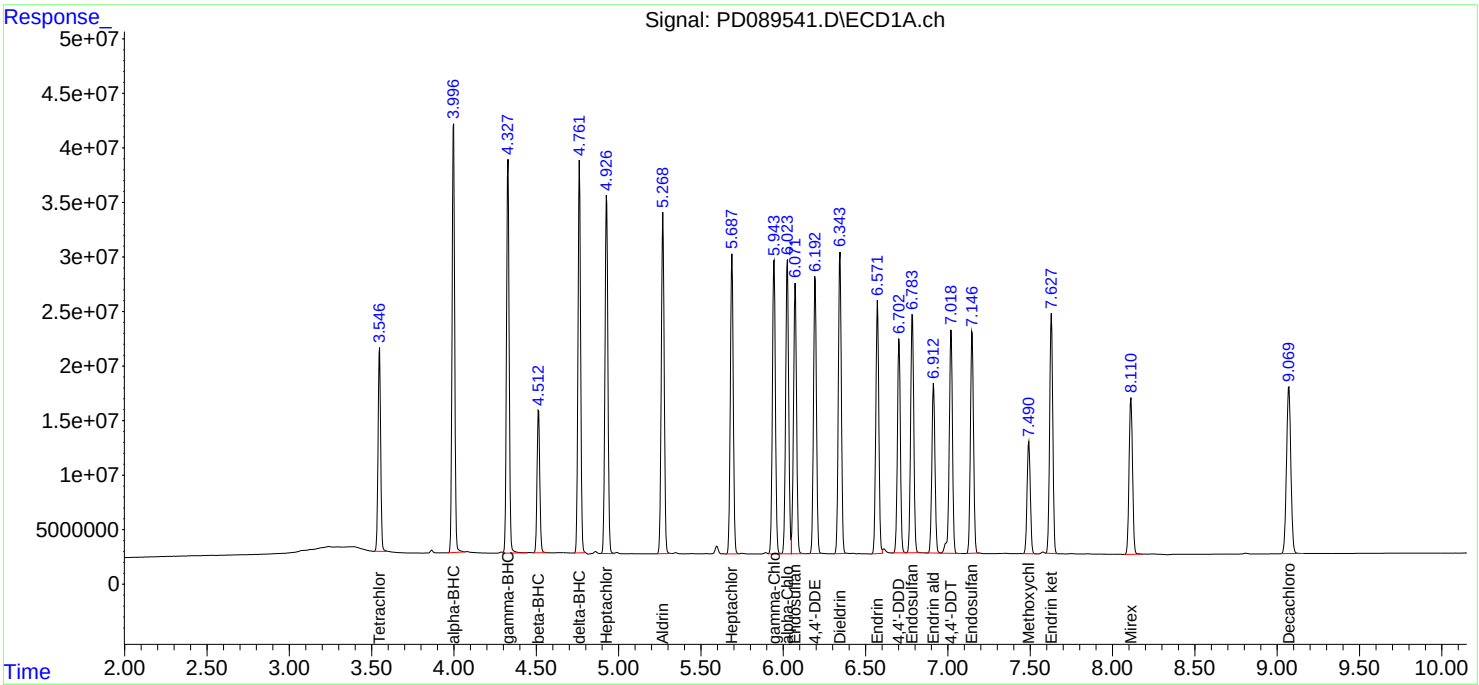
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

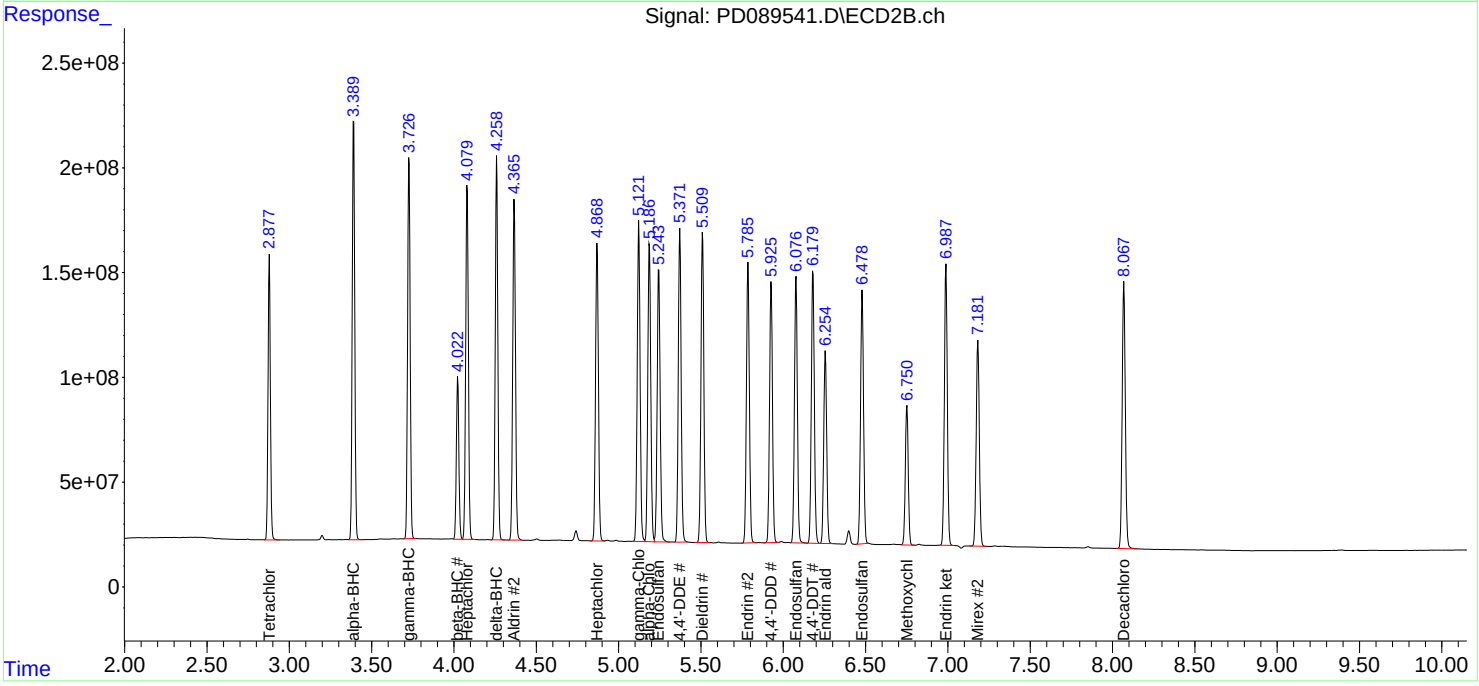
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089541.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:03
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

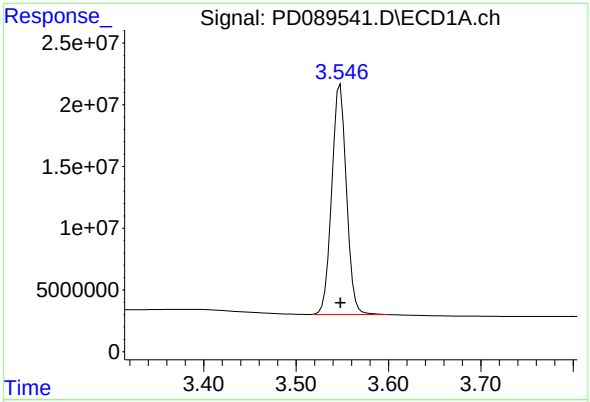
Instrument :
ECD_D
ClientSampleId :
PSTDICC075

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

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



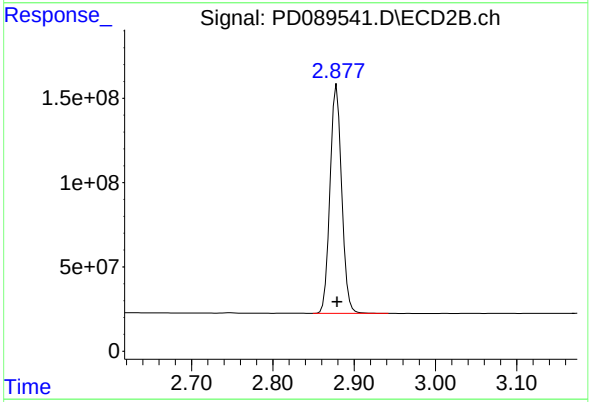




#1 Tetrachloro-m-xylene

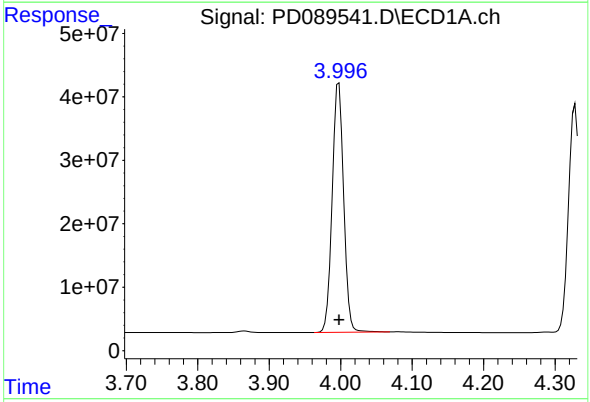
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 206367124
Conc: 72.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



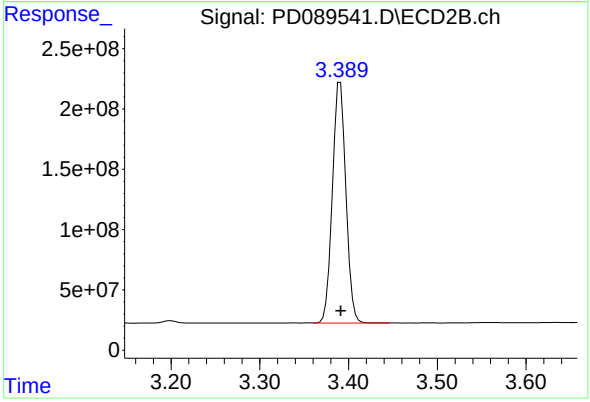
#1 Tetrachloro-m-xylene

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



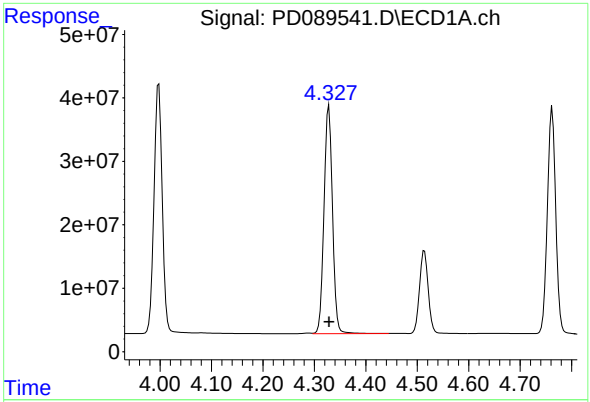
#2 alpha-BHC

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



#2 alpha-BHC

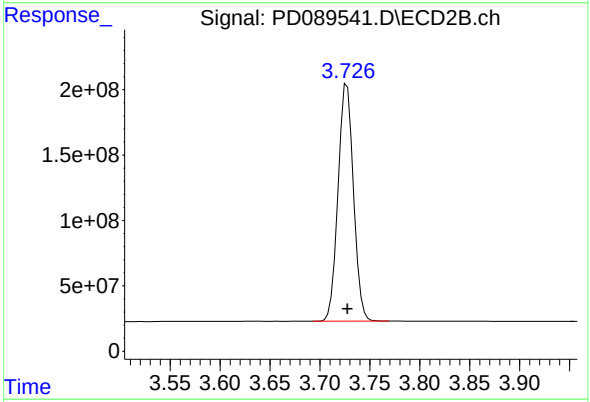
R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 2110243224
Conc: 71.95 ng/ml



#3 gamma-BHC (Lindane)

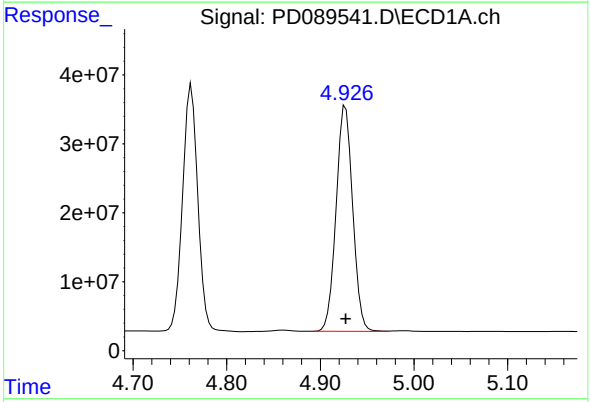
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 412645611
Conc: 74.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



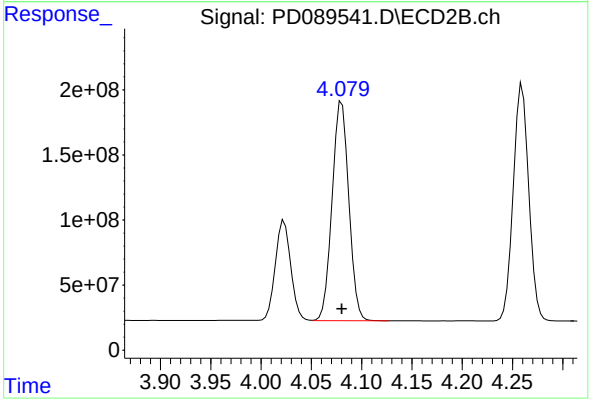
#3 gamma-BHC (Lindane)

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



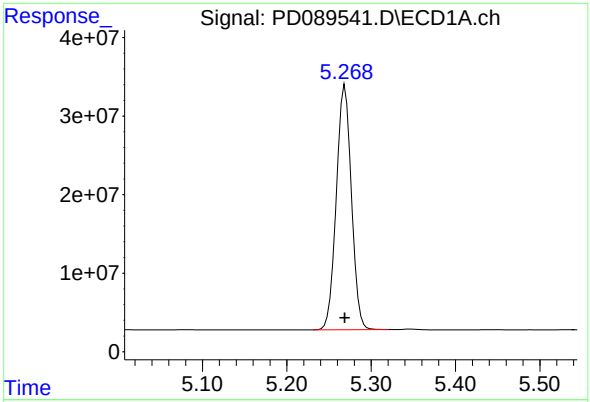
#4 Heptachlor

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



#4 Heptachlor

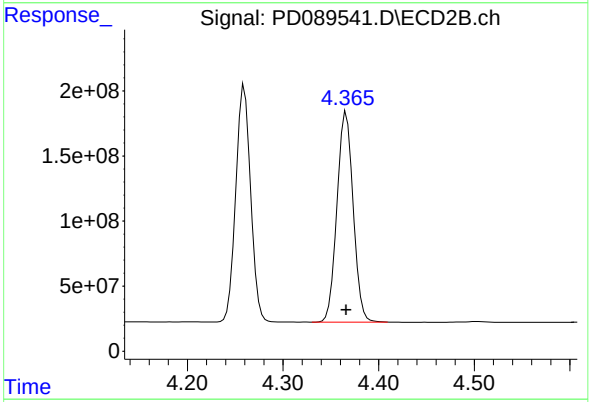
R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 1944305912
Conc: 71.50 ng/ml



#5 Aldrin

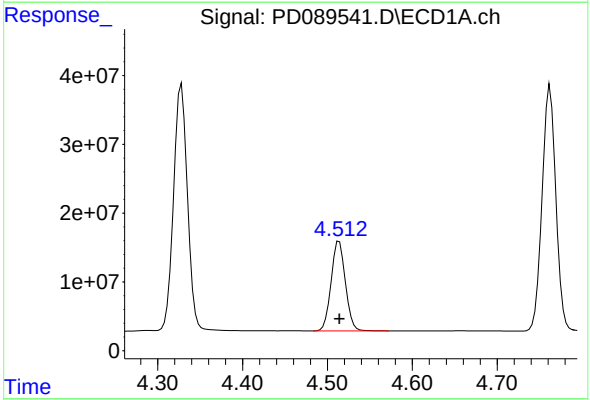
R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 387406596
Conc: 74.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



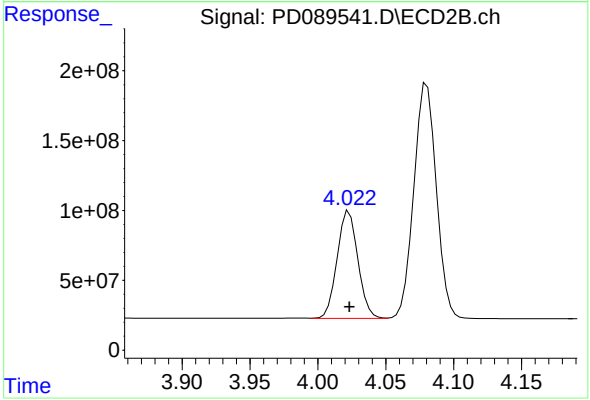
#5 Aldrin

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



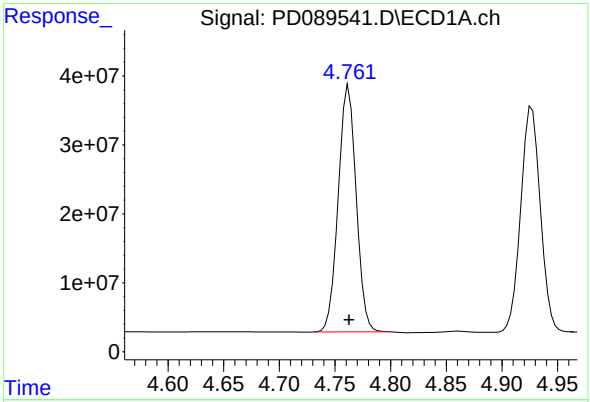
#6 beta-BHC

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



#6 beta-BHC

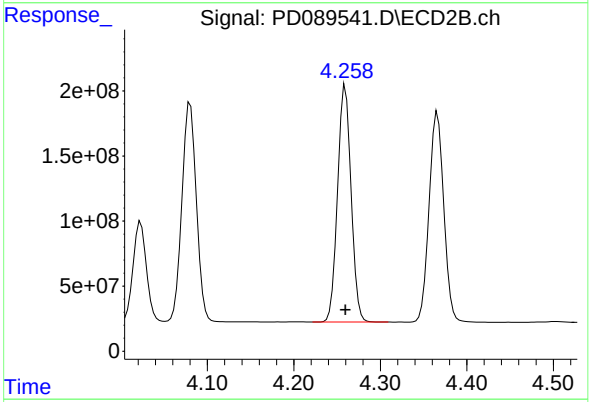
R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 820720249
Conc: 71.16 ng/ml



#7 delta-BHC

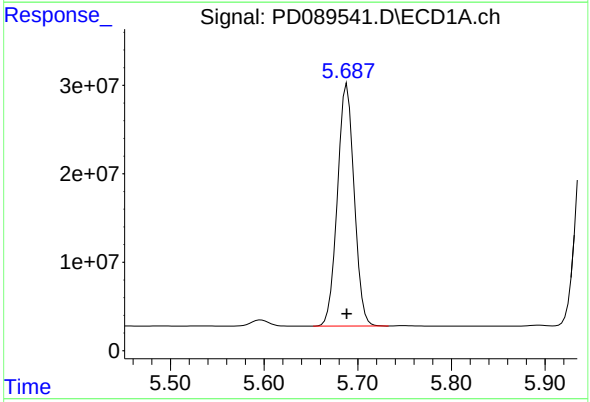
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 401364935
Conc: 75.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



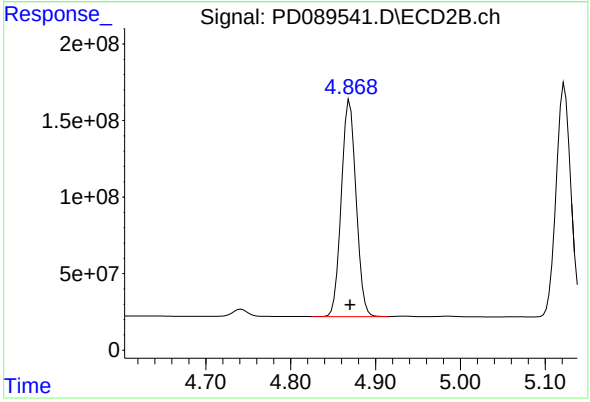
#7 delta-BHC

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



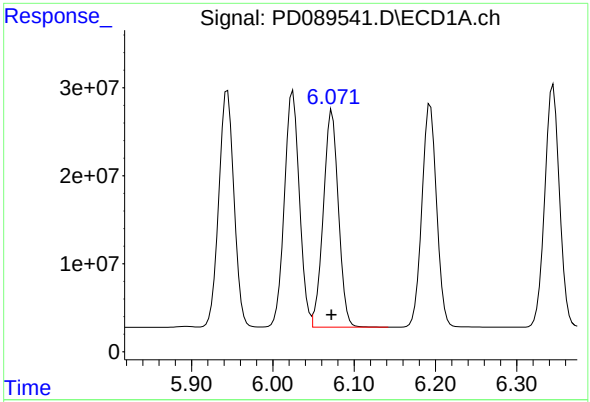
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

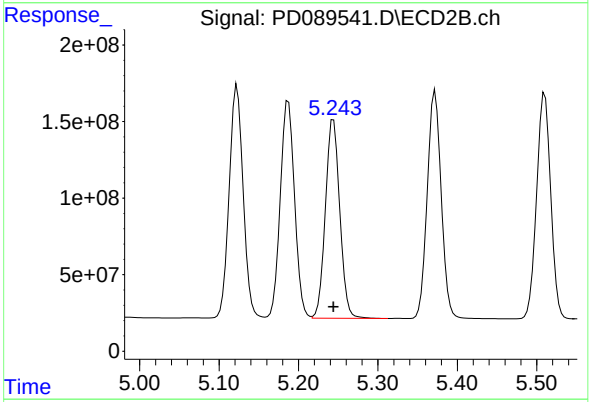
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 1708254170
Conc: 71.13 ng/ml



#9 Endosulfan I

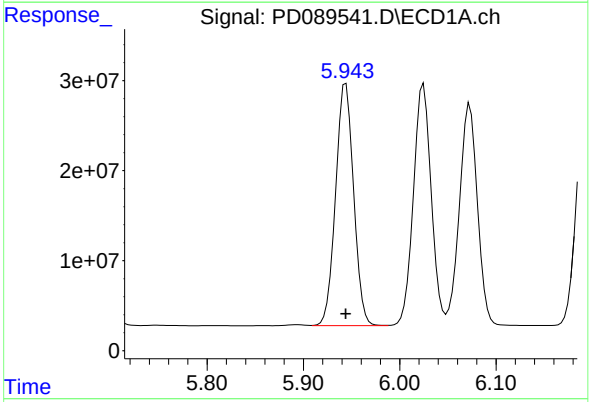
R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 320428396
Conc: 73.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



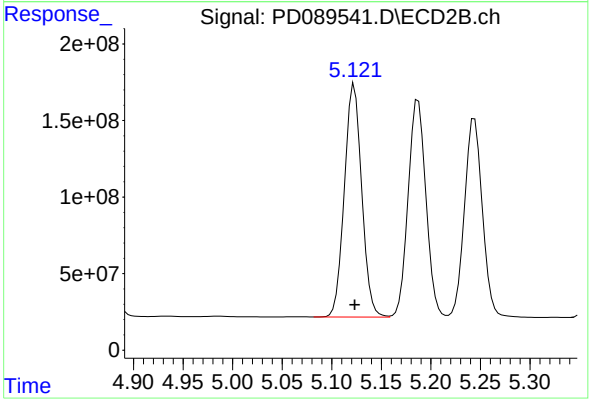
#9 Endosulfan I

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



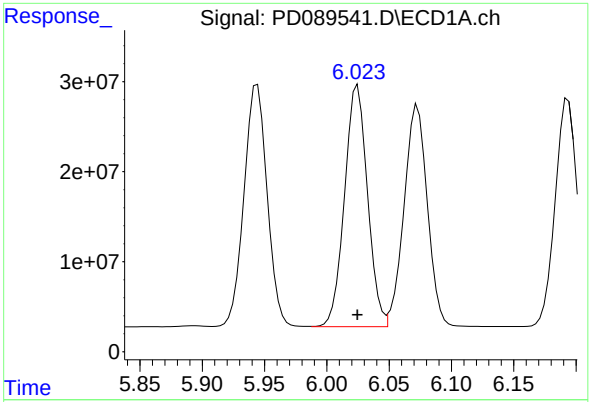
#10 gamma-Chlordane

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



#10 gamma-Chlordane

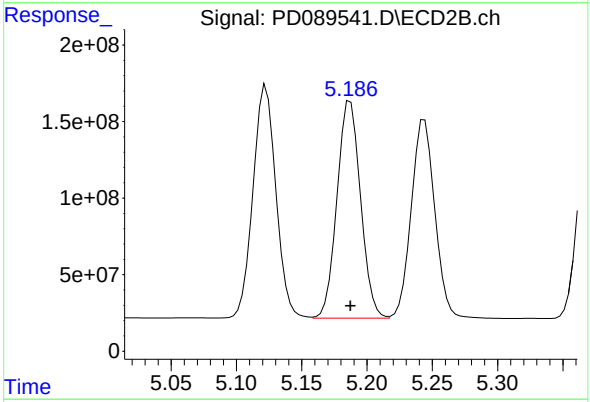
R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 1854300839
Conc: 71.84 ng/ml



#11 alpha-Chlordane

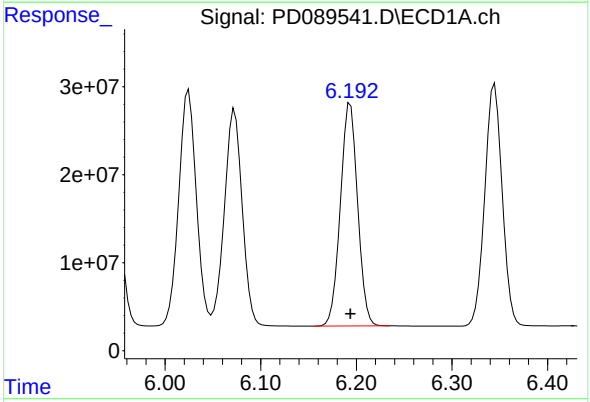
R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 345402938
Conc: 74.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



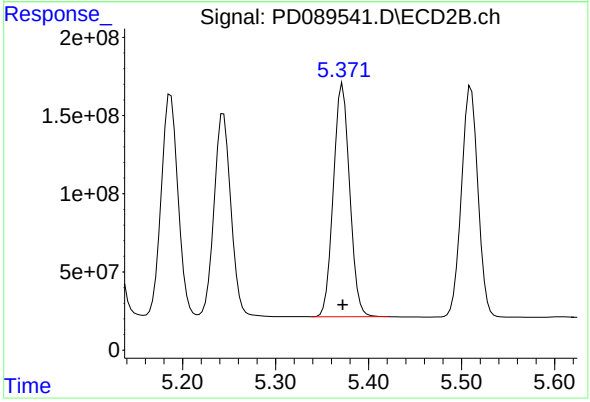
#11 alpha-Chlordane

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



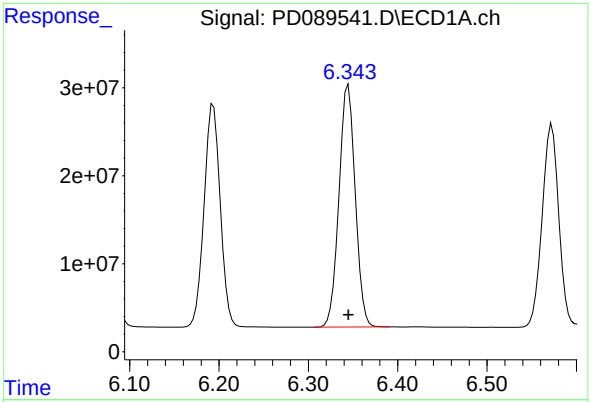
#12 4,4'-DDE

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



#12 4,4'-DDE

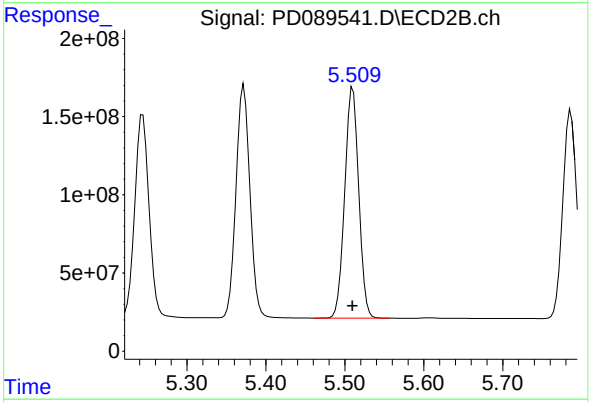
R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 1815537120
Conc: 71.70 ng/ml



#13 Dieldrin

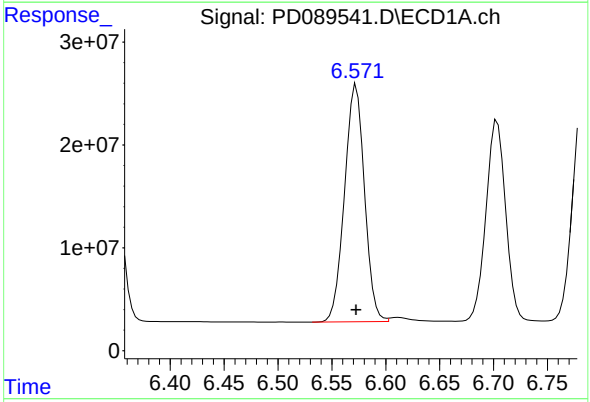
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 347685381
Conc: 74.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



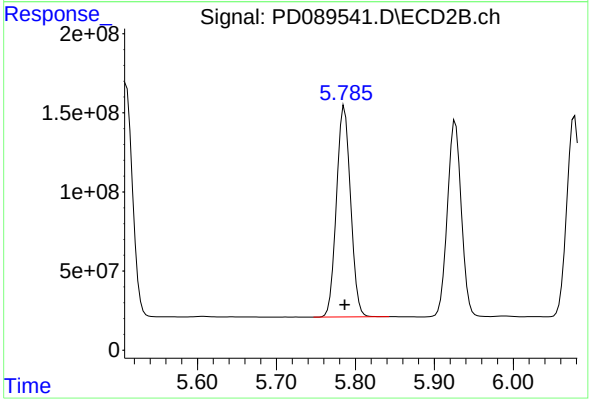
#13 Dieldrin

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



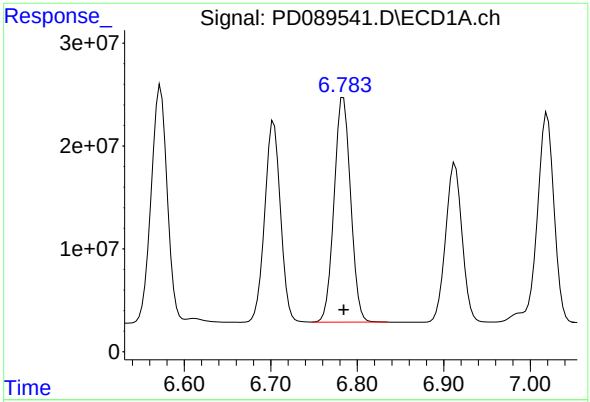
#14 Endrin

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



#14 Endrin

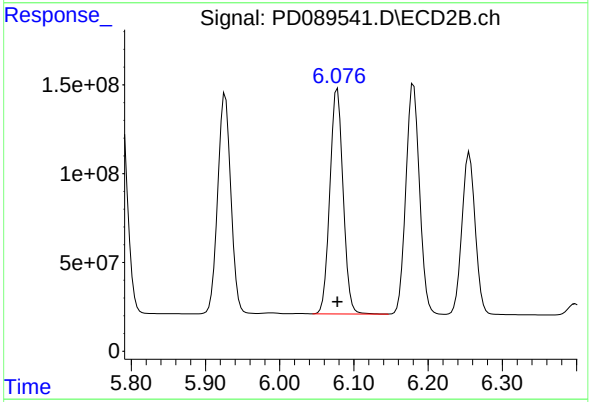
R.T.: 5.786 min
Delta R.T.: 0.000 min
Response: 1658990909
Conc: 71.30 ng/ml



#15 Endosulfan II

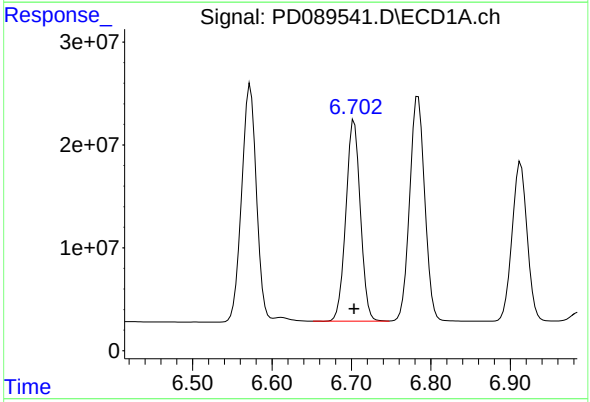
R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 288462619
Conc: 73.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



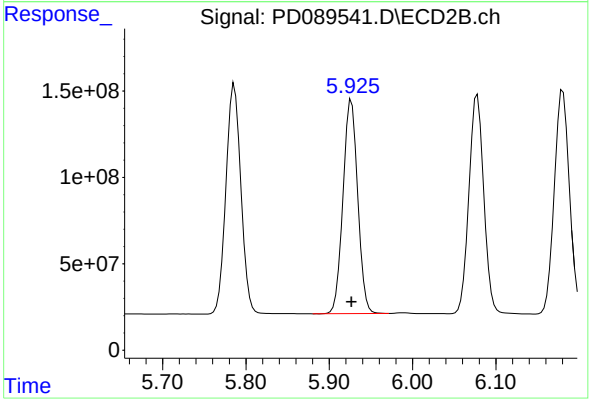
#15 Endosulfan II

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



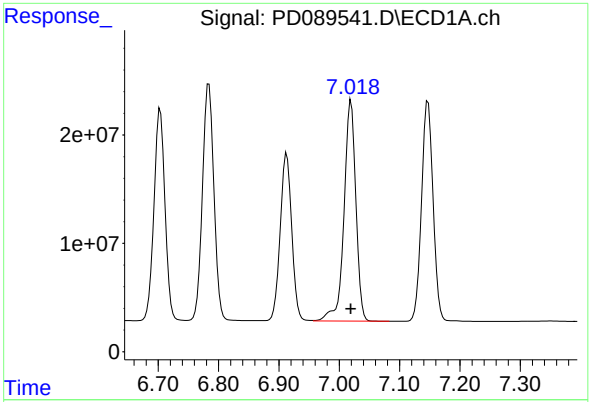
#16 4,4'-DDD

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



#16 4,4'-DDD

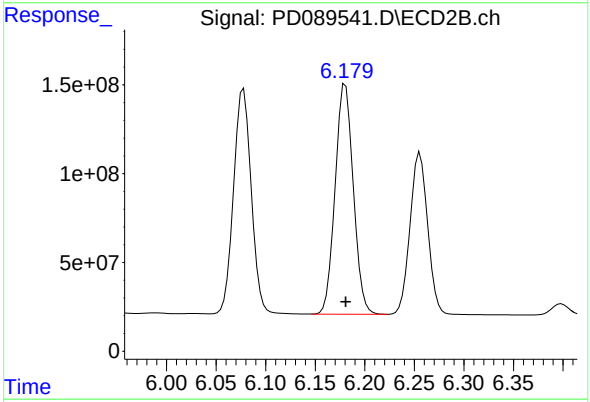
R.T.: 5.927 min
Delta R.T.: 0.000 min
Response: 1519185098
Conc: 72.03 ng/ml



#17 4,4'-DDT

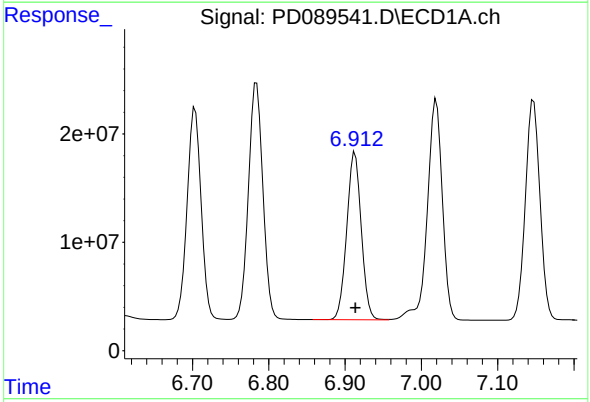
R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 278107257
Conc: 74.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



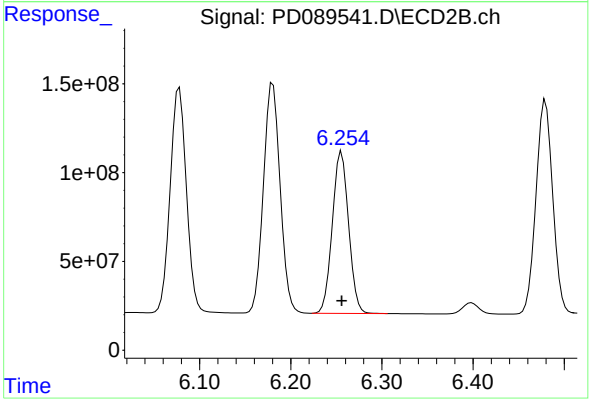
#17 4,4'-DDT

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



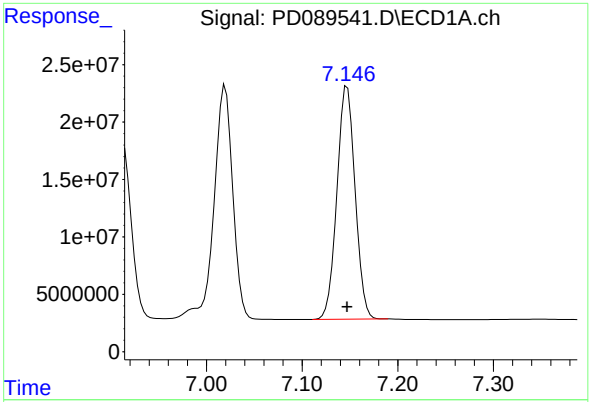
#18 Endrin aldehyde

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



#18 Endrin aldehyde

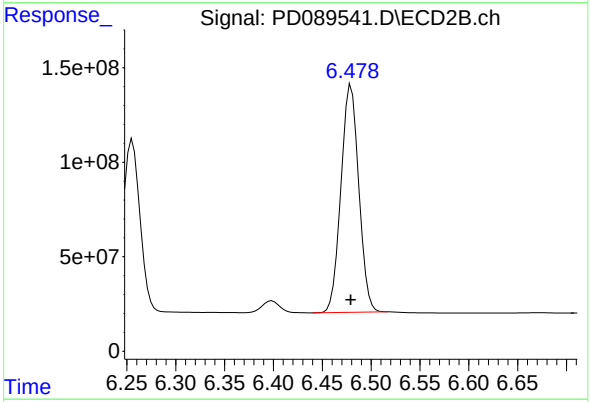
R.T.: 6.256 min
Delta R.T.: 0.000 min
Response: 1130173852
Conc: 71.62 ng/ml



#19 Endosulfan Sulfate

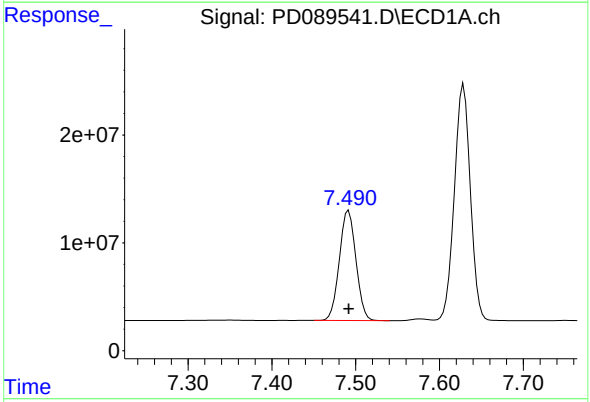
R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 268892407
Conc: 73.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



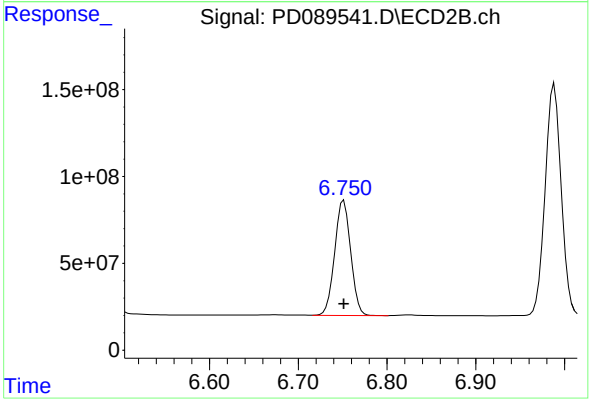
#19 Endosulfan Sulfate

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



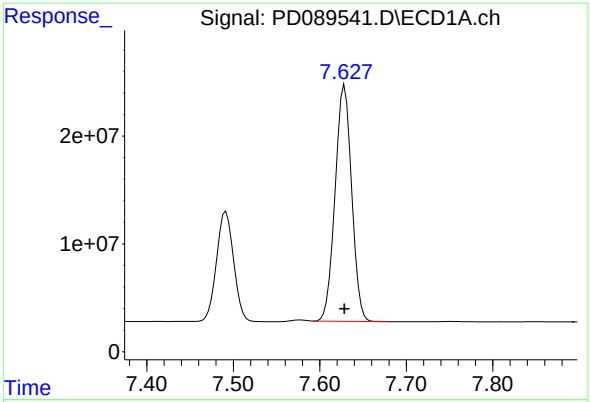
#20 Methoxychlor

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



#20 Methoxychlor

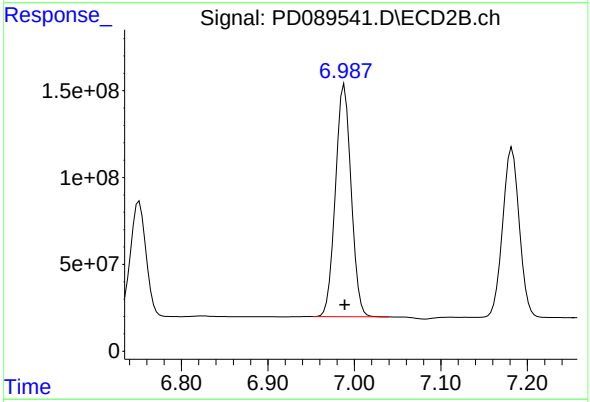
R.T.: 6.751 min
Delta R.T.: 0.000 min
Response: 830605433
Conc: 70.79 ng/ml



#21 Endrin ketone

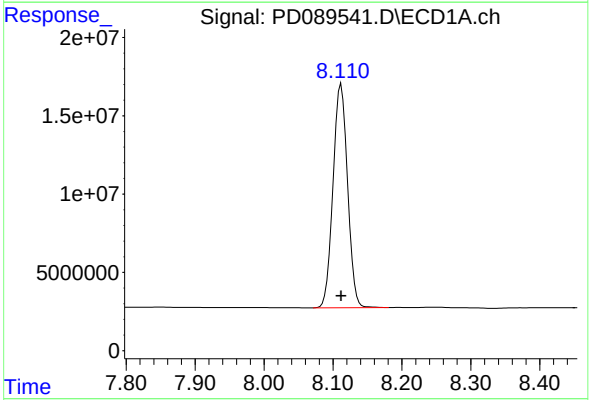
R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 289365660
Conc: 73.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



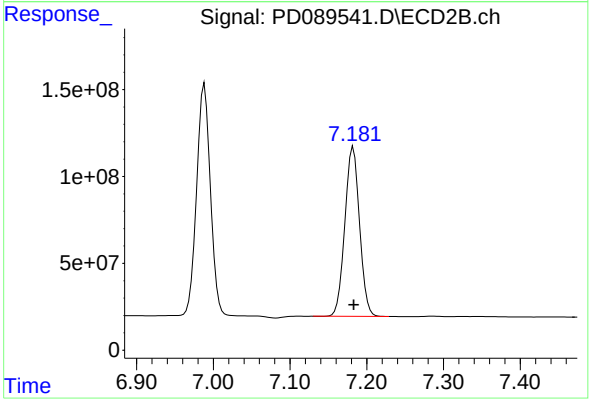
#21 Endrin ketone

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



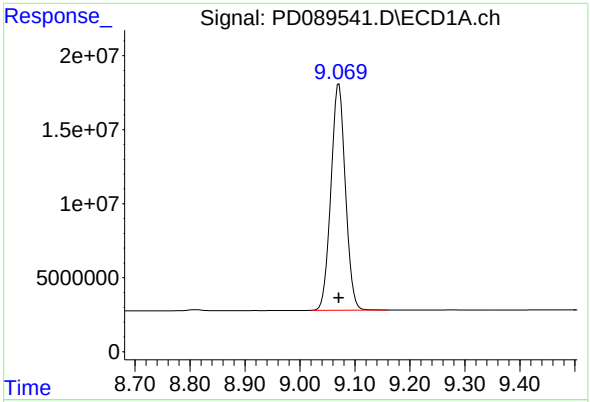
#22 Mirex

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



#22 Mirex

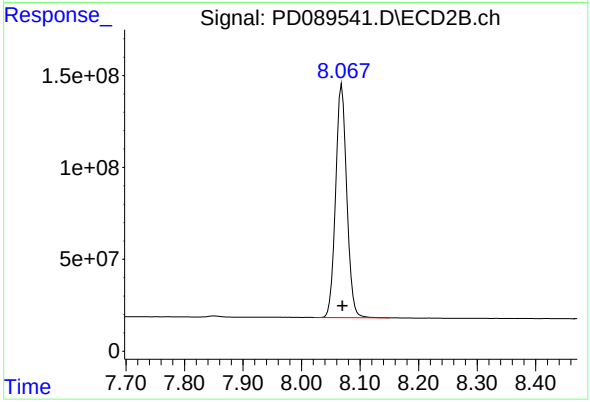
R.T.: 7.182 min
Delta R.T.: 0.000 min
Response: 1307537618
Conc: 71.27 ng/ml



#28 Decachlorobiphenyl

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

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

Quantitation Report (QT Reviewed)

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

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

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

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

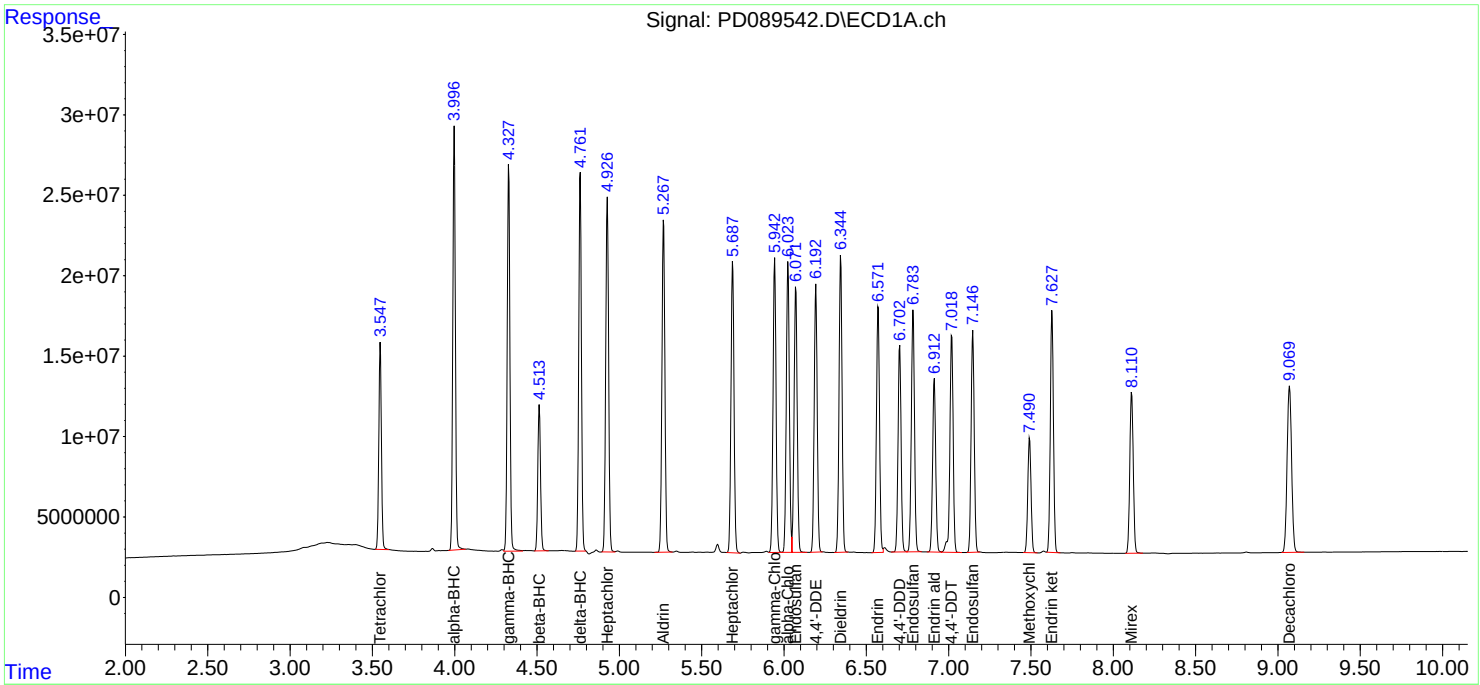
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

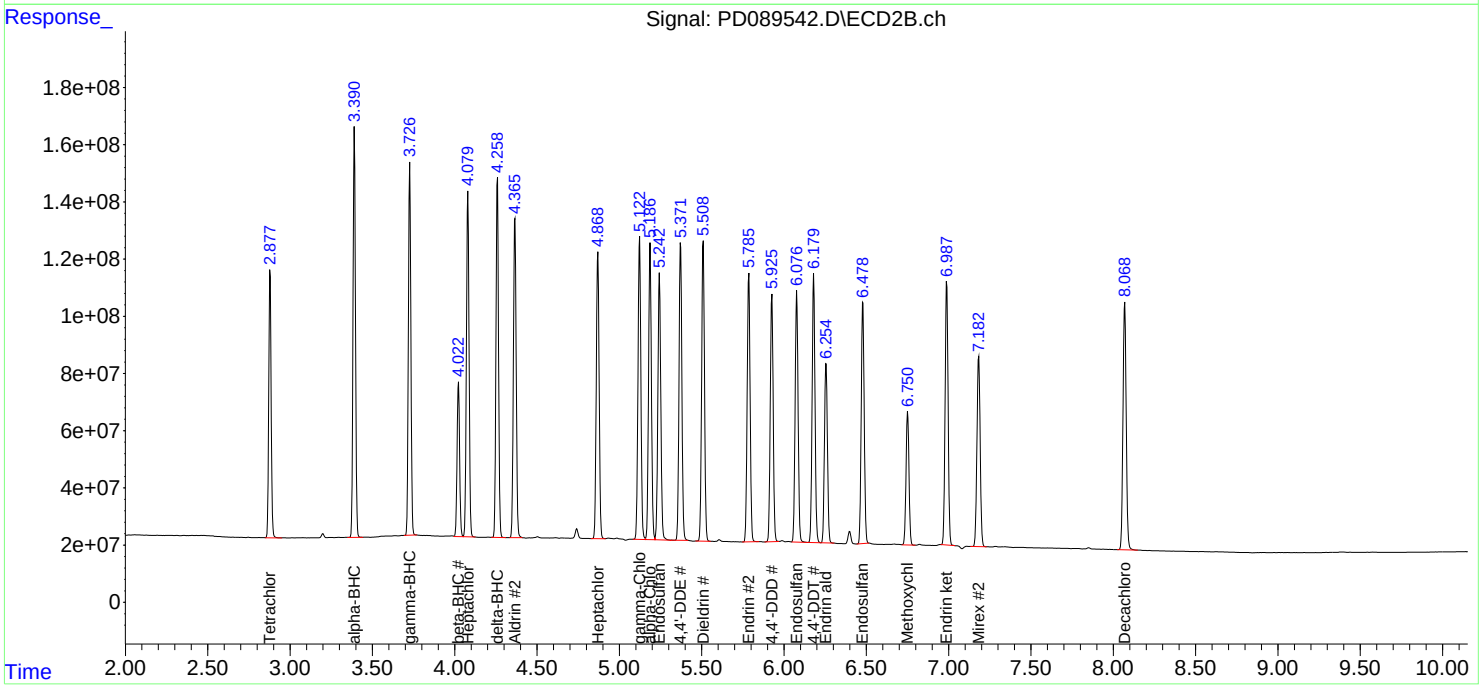
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089542.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:16
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

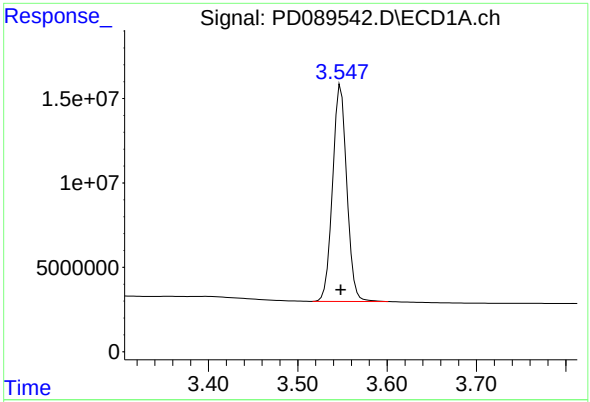
Instrument :
ECD_D
ClientSampleId :
PSTDICC050

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

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



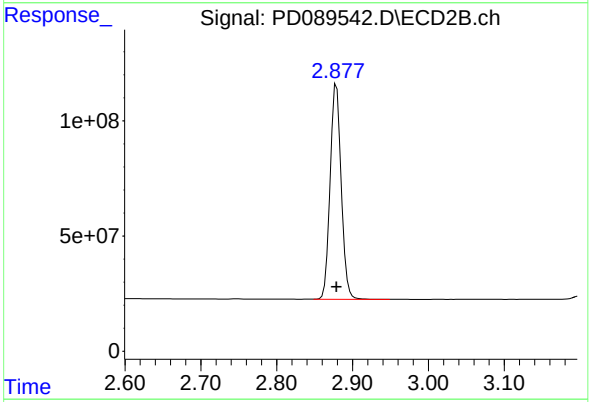




#1 Tetrachloro-m-xylene

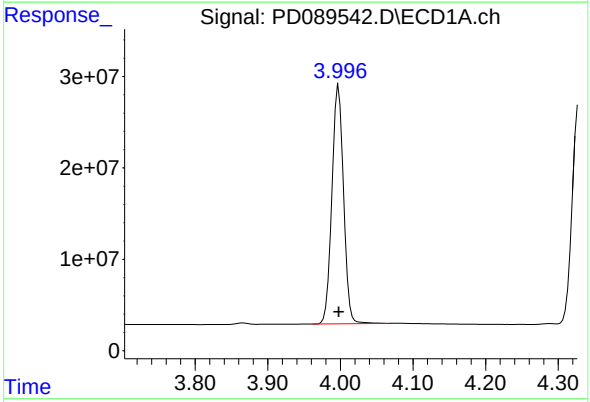
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 141890981
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



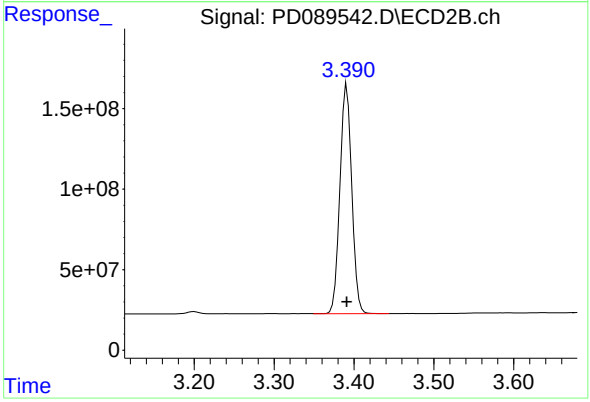
#1 Tetrachloro-m-xylene

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



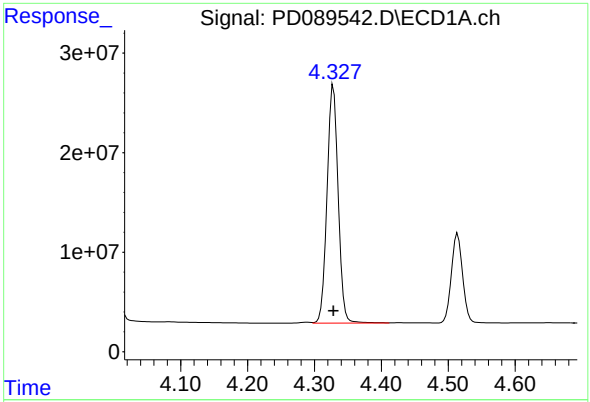
#2 alpha-BHC

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



#2 alpha-BHC

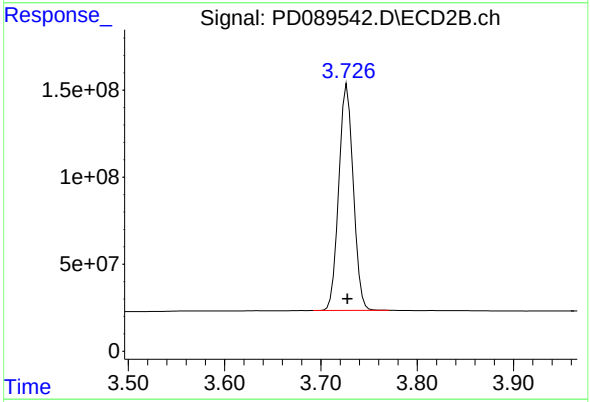
R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 1466460793
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

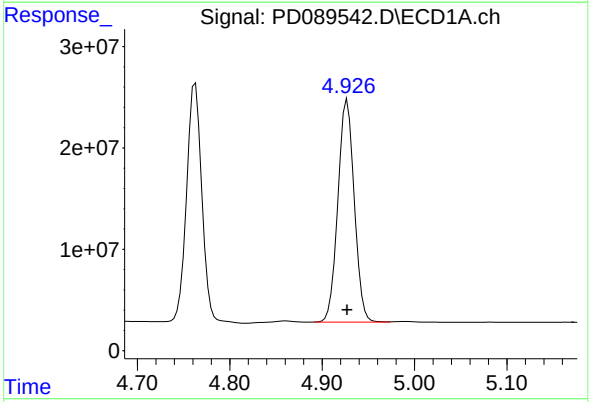
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 275773228
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



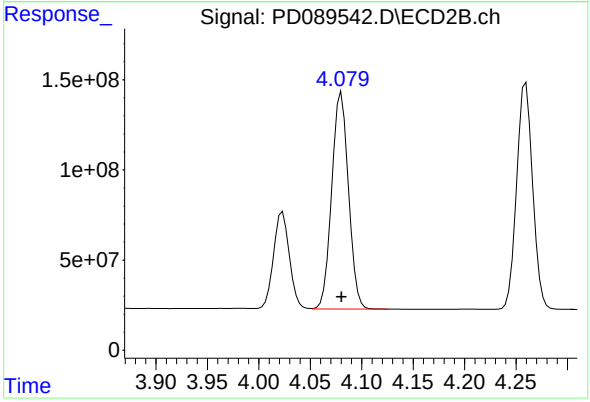
#3 gamma-BHC (Lindane)

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



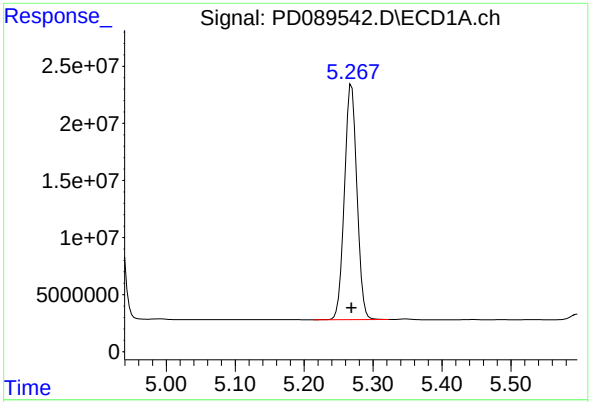
#4 Heptachlor

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



#4 Heptachlor

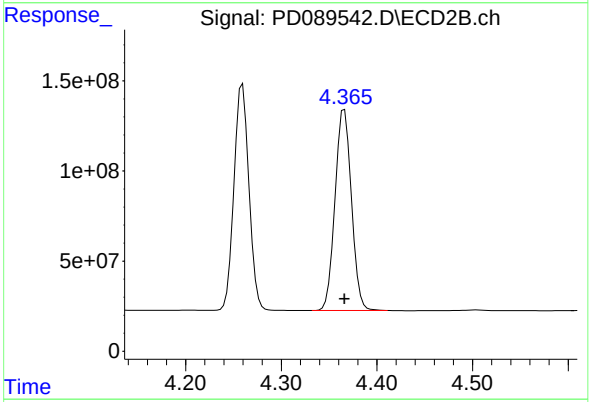
R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 1359602305
Conc: 50.00 ng/ml



#5 Aldrin

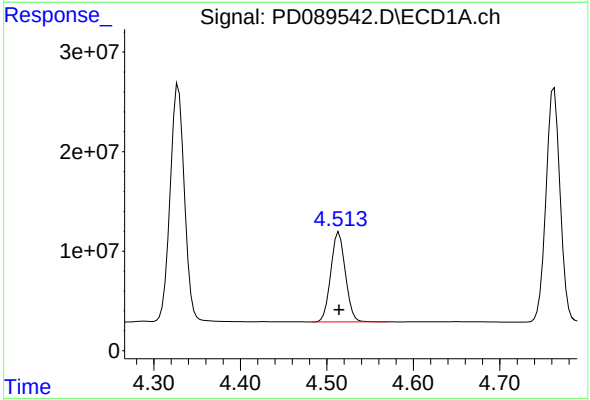
R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 260088033
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



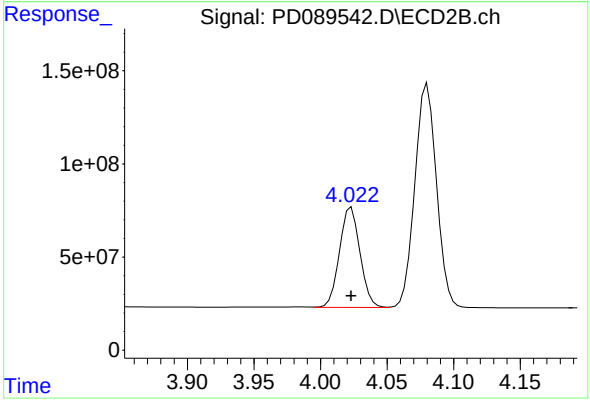
#5 Aldrin

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



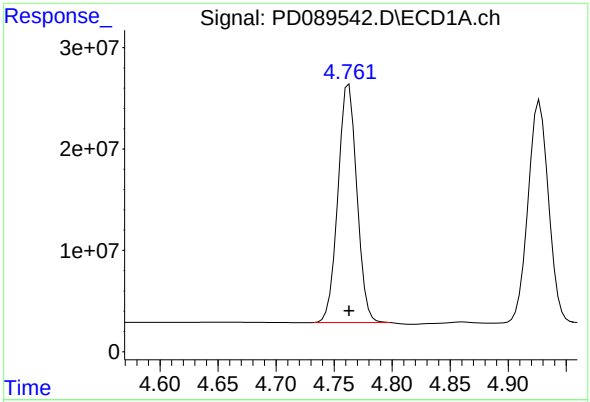
#6 beta-BHC

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



#6 beta-BHC

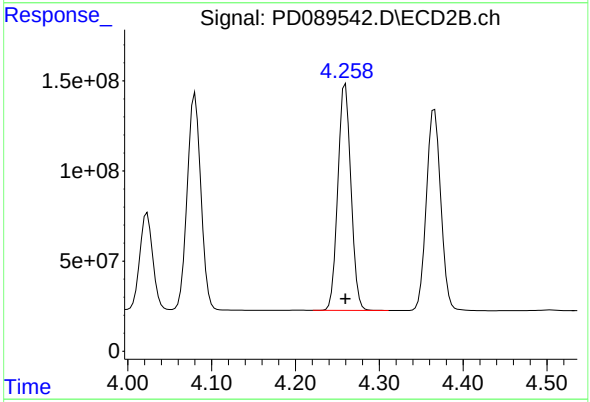
R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 576682160
Conc: 50.00 ng/ml



#7 delta-BHC

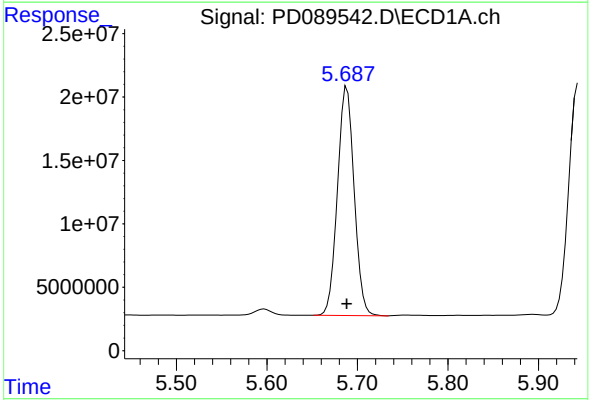
R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 266663515
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



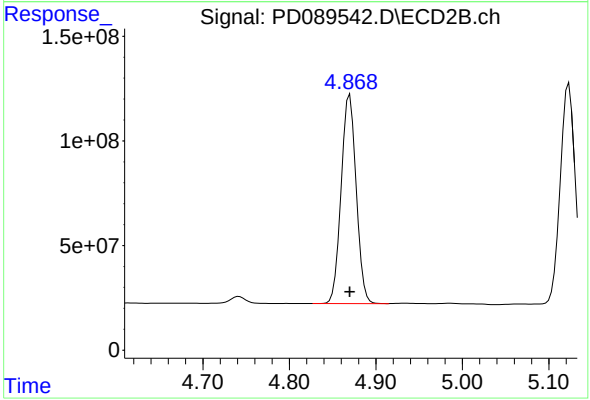
#7 delta-BHC

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



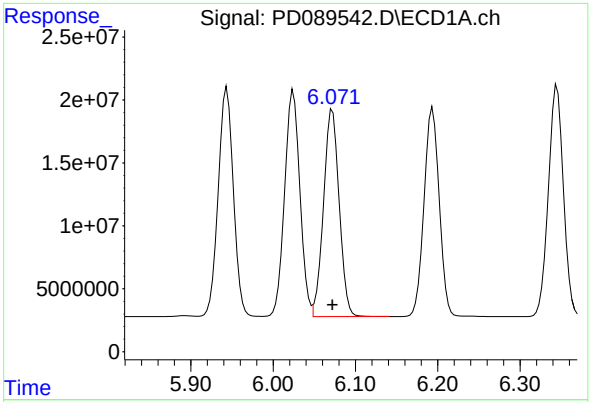
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

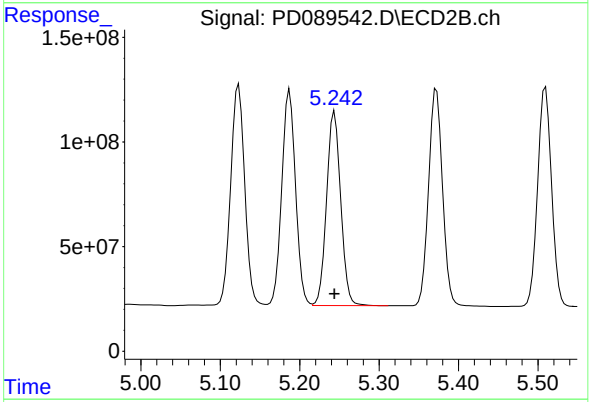
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 1200767945
Conc: 50.00 ng/ml



#9 Endosulfan I

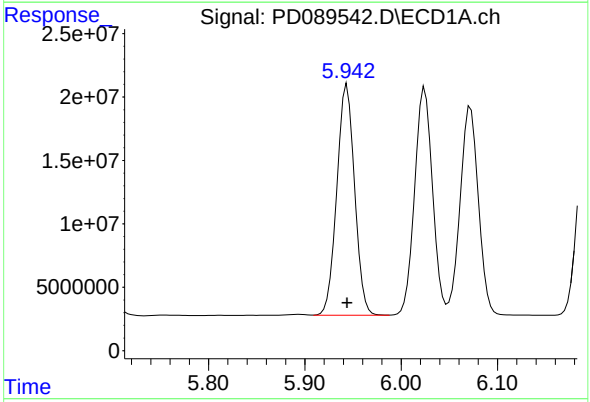
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 217602728
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



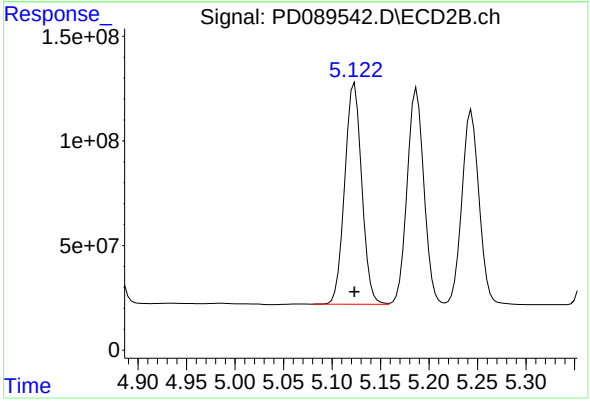
#9 Endosulfan I

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



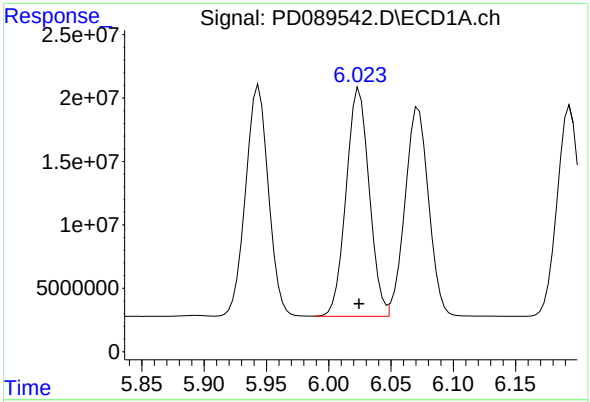
#10 gamma-Chlordane

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



#10 gamma-Chlordane

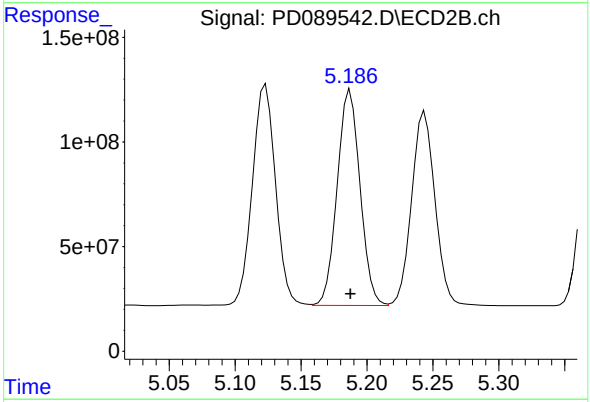
R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 1290546110
Conc: 50.00 ng/ml



#11 alpha-Chlordane

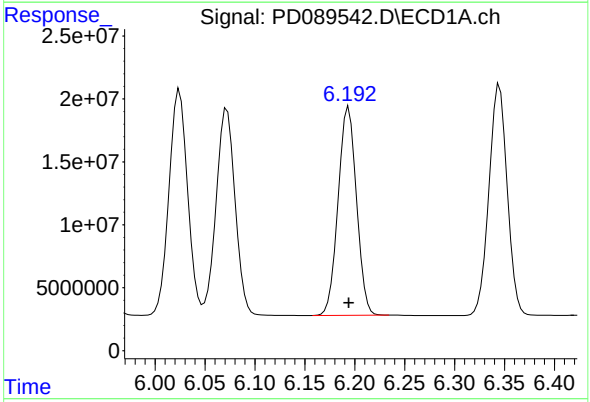
R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 232860412
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



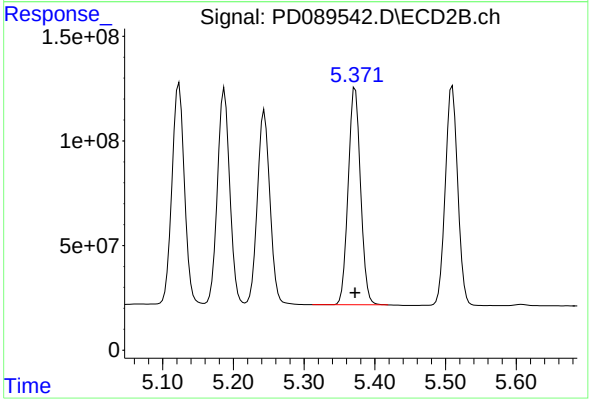
#11 alpha-Chlordane

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



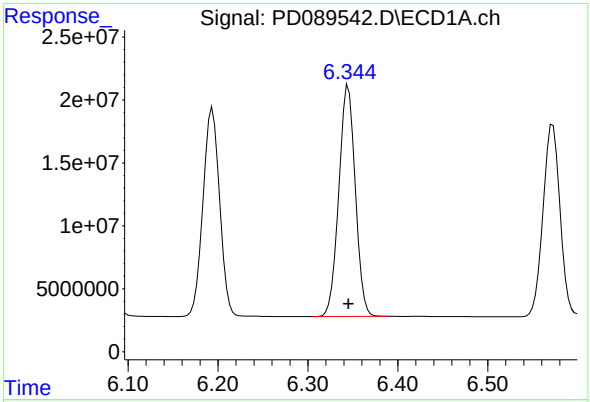
#12 4,4'-DDE

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



#12 4,4'-DDE

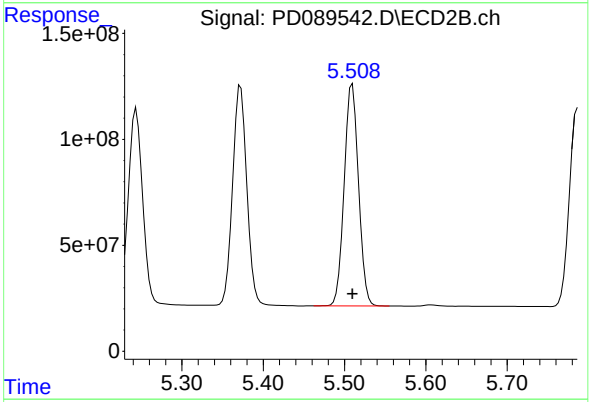
R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 1266044965
Conc: 50.00 ng/ml



#13 Dieldrin

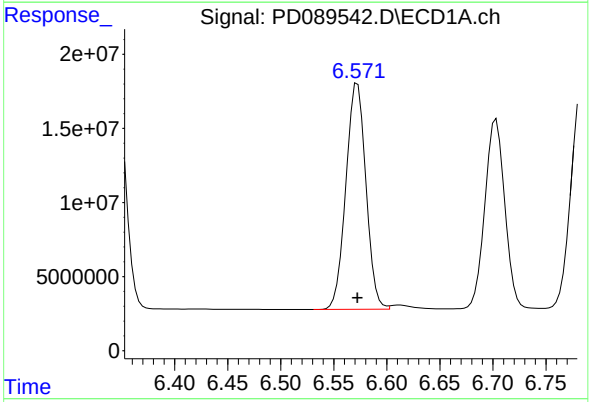
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 233624613
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



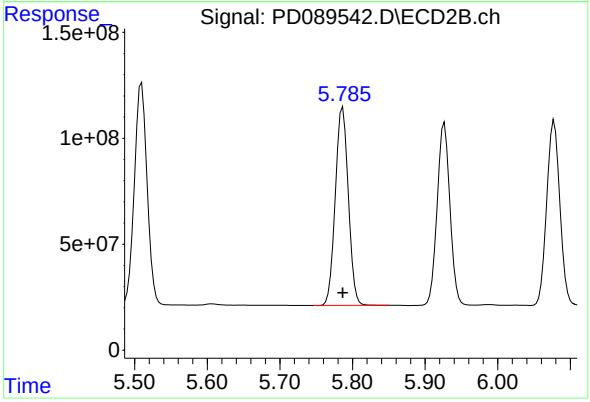
#13 Dieldrin

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



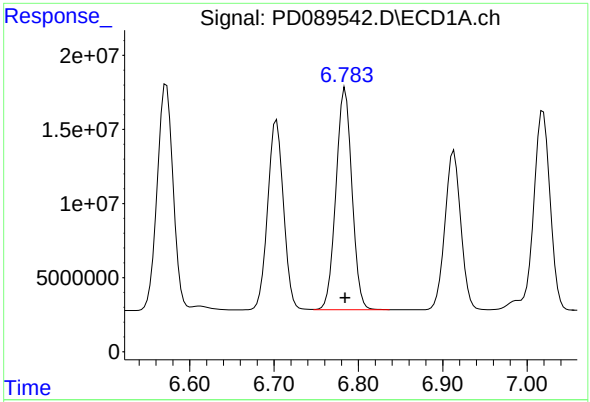
#14 Endrin

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



#14 Endrin

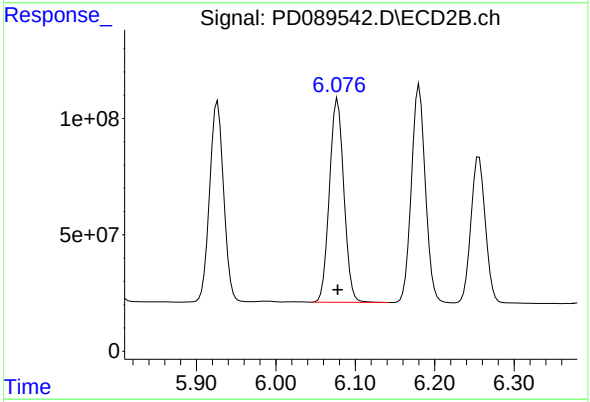
R.T.: 5.787 min
Delta R.T.: 0.000 min
Response: 1163411691
Conc: 50.00 ng/ml



#15 Endosulfan II

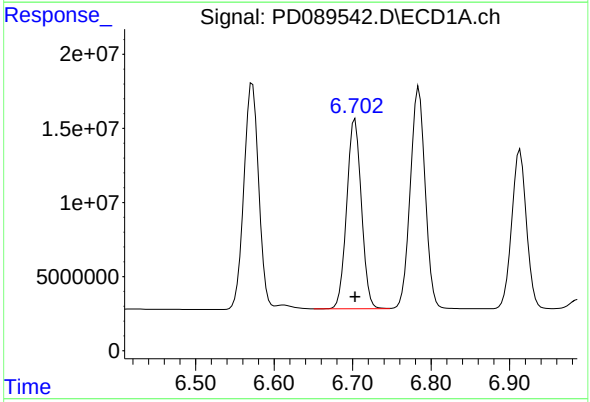
R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 197018314
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



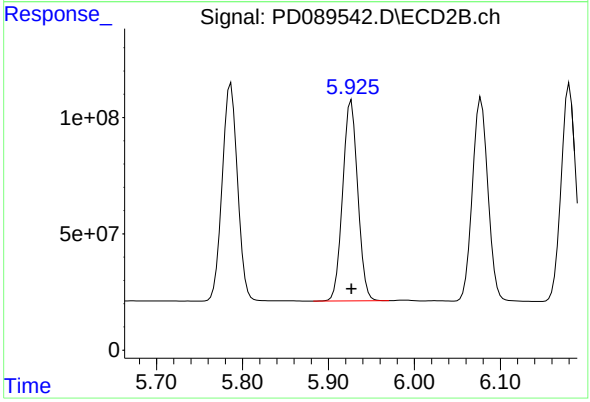
#15 Endosulfan II

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



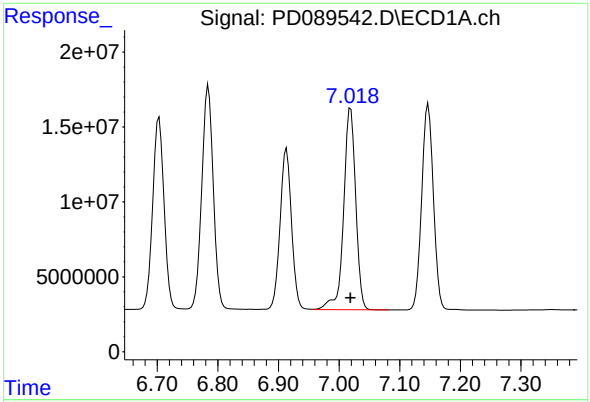
#16 4,4'-DDD

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



#16 4,4'-DDD

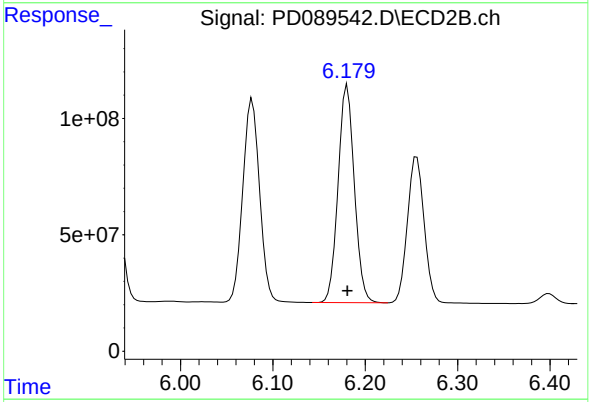
R.T.: 5.927 min
Delta R.T.: 0.000 min
Response: 1054571011
Conc: 50.00 ng/ml



#17 4,4'-DDT

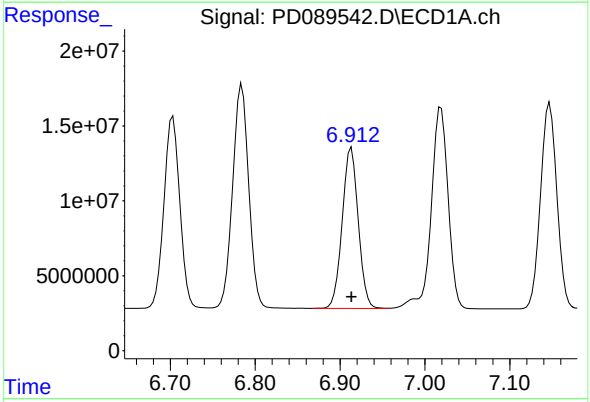
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 186636167
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



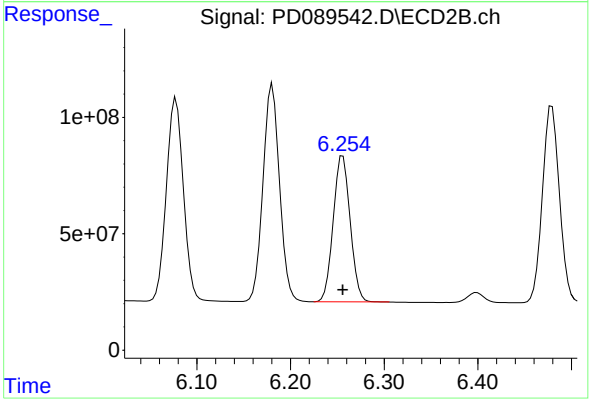
#17 4,4'-DDT

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



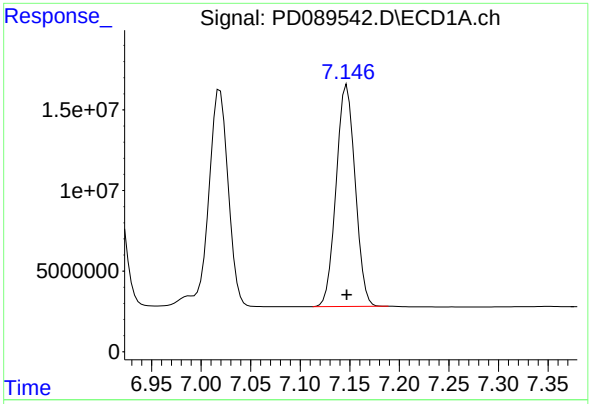
#18 Endrin aldehyde

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



#18 Endrin aldehyde

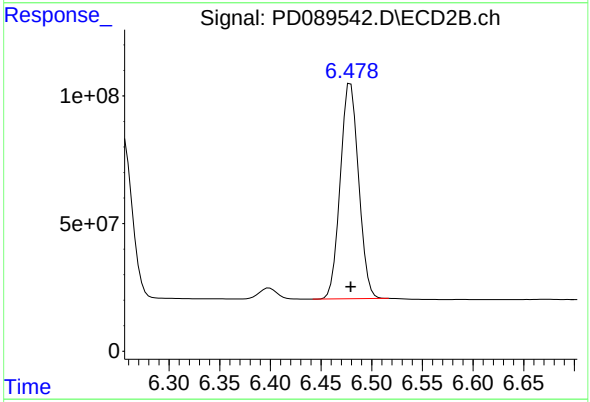
R.T.: 6.256 min
Delta R.T.: 0.000 min
Response: 788987848
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

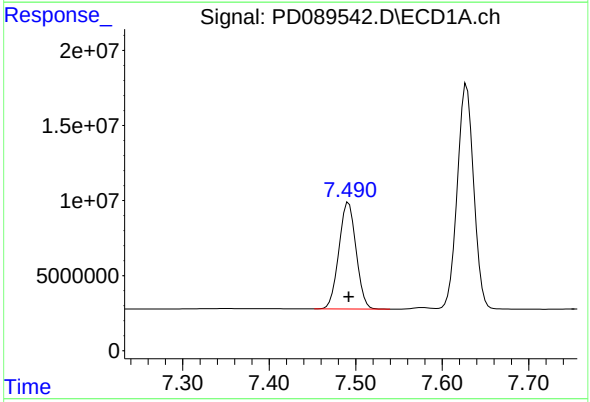
R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 183396187
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



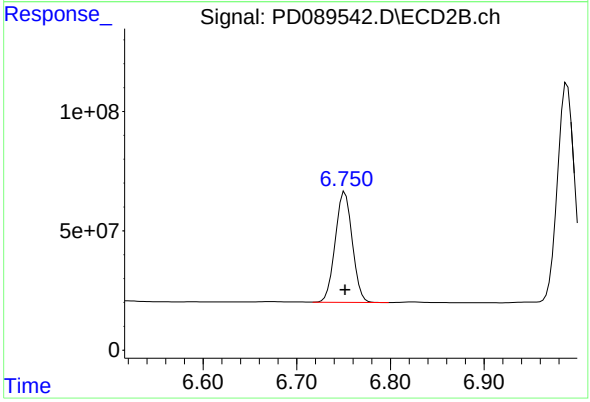
#19 Endosulfan Sulfate

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



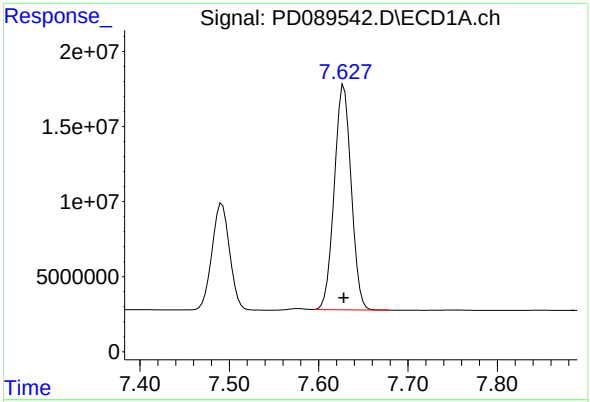
#20 Methoxychlor

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



#20 Methoxychlor

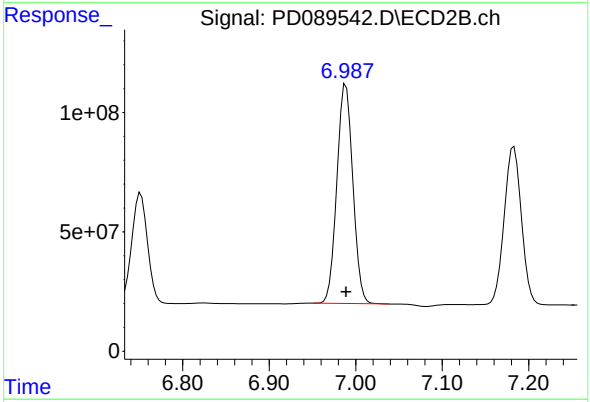
R.T.: 6.751 min
Delta R.T.: 0.000 min
Response: 586696866
Conc: 50.00 ng/ml



#21 Endrin ketone

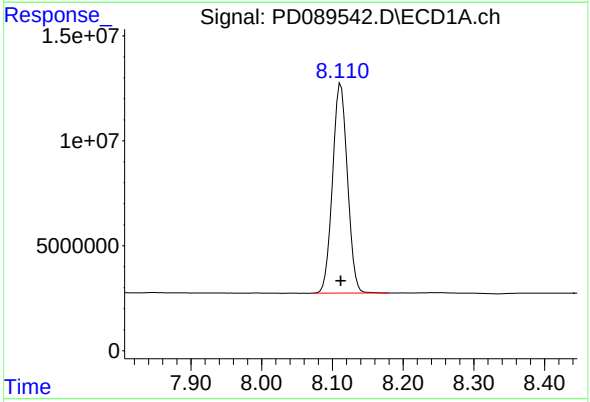
R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 196853240
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



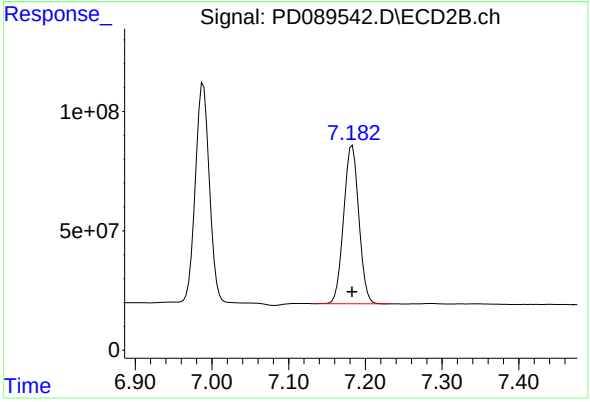
#21 Endrin ketone

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



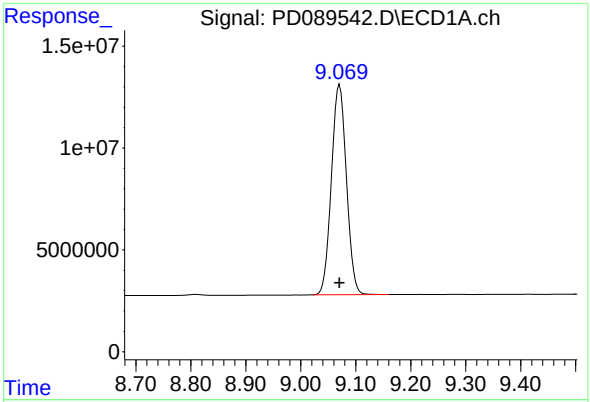
#22 Mirex

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



#22 Mirex

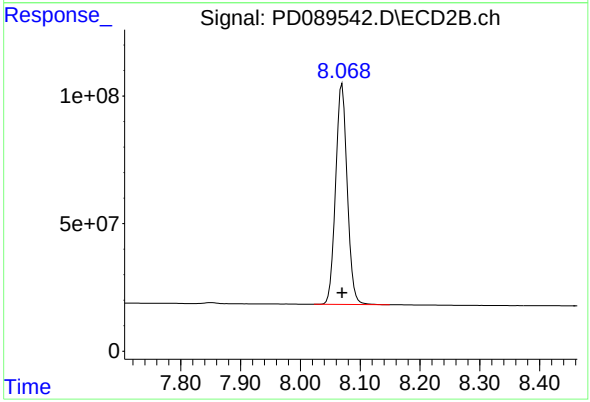
R.T.: 7.183 min
Delta R.T.: 0.000 min
Response: 917308070
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

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

Quantitation Report (QT Reviewed)

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

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

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

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

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

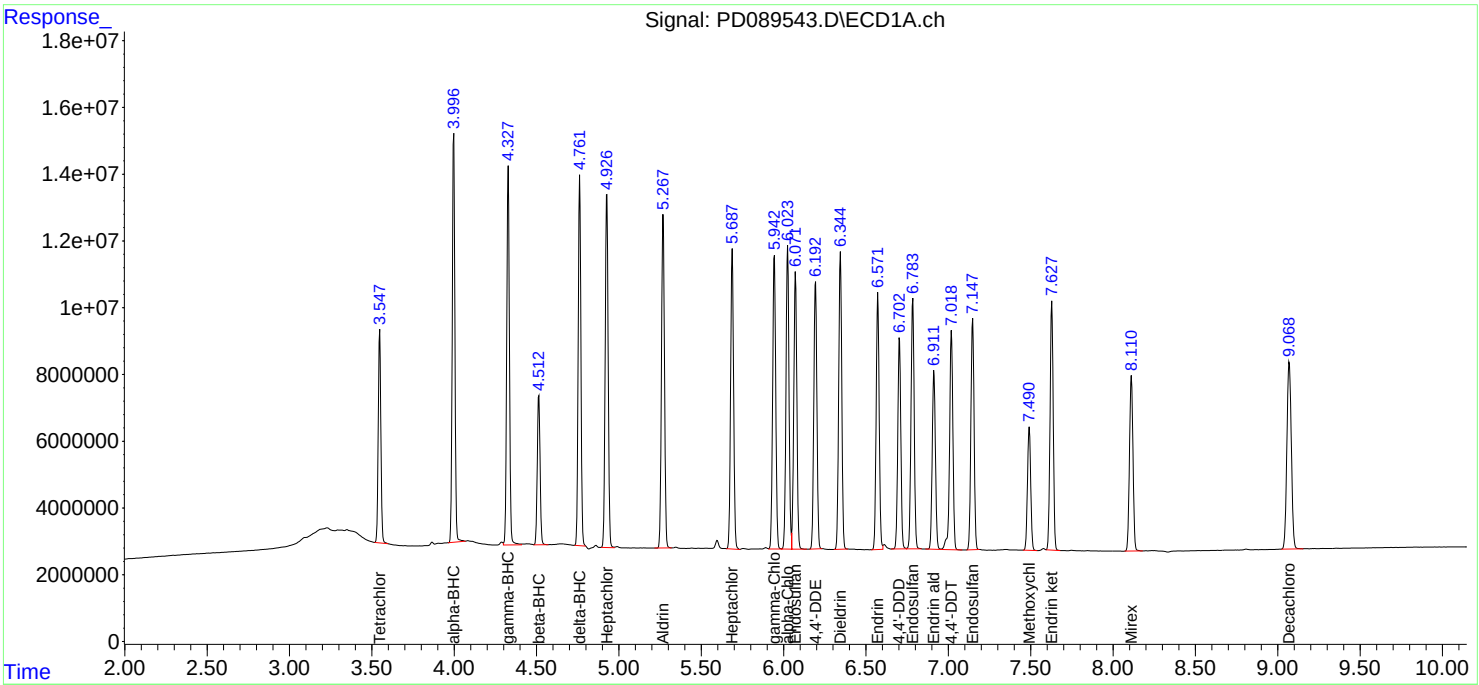
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

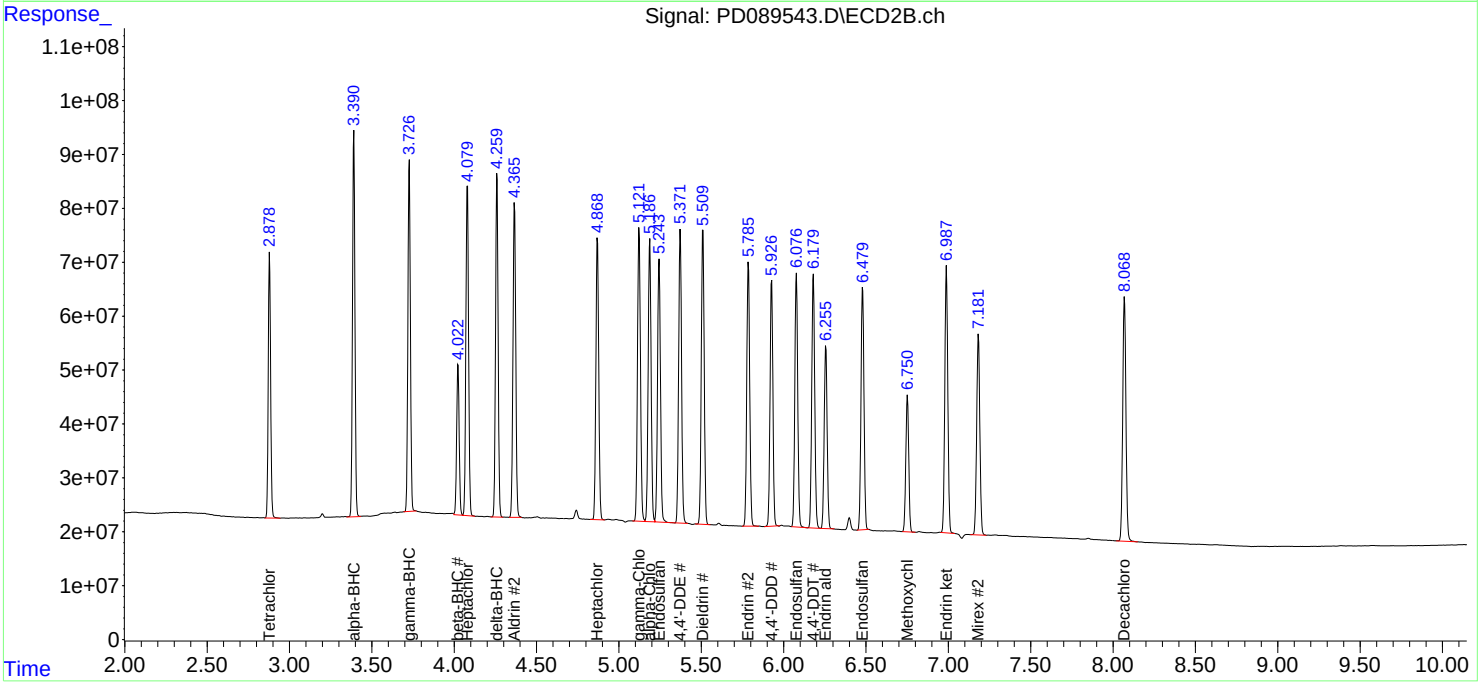
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089543.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:30
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

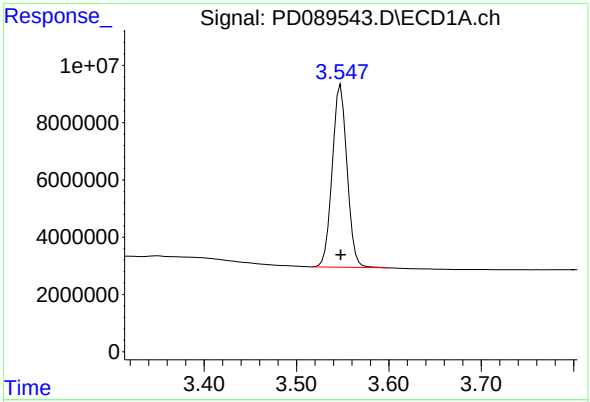
Instrument :
ECD_D
ClientSampleId :
PSTDICC025

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

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



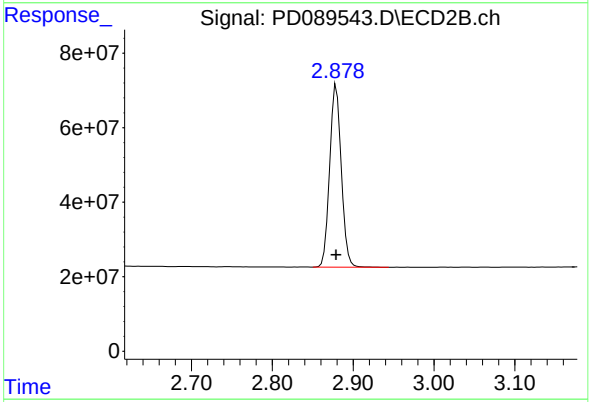




#1 Tetrachloro-m-xylene

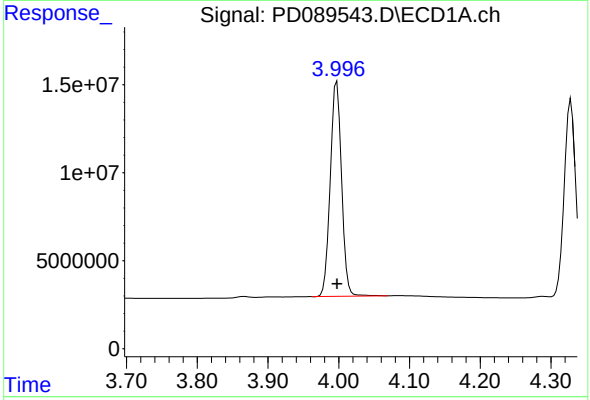
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 71022500
Conc: 25.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



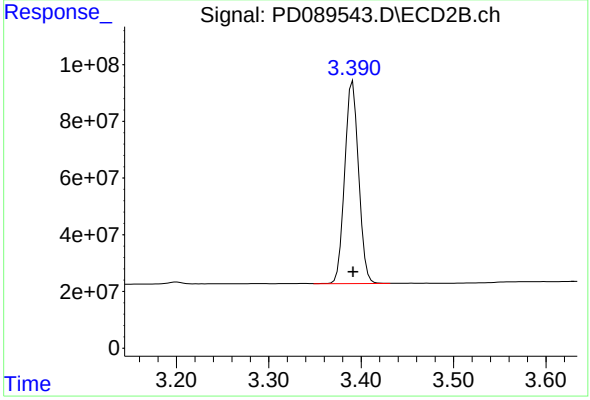
#1 Tetrachloro-m-xylene

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



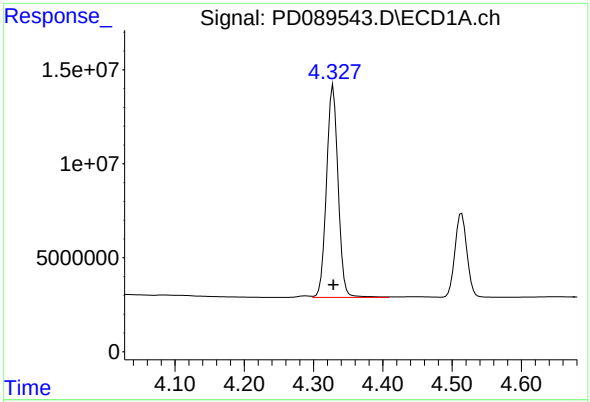
#2 alpha-BHC

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



#2 alpha-BHC

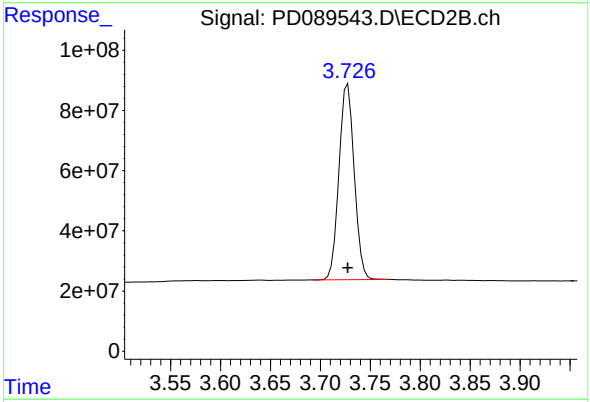
R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 746945086
Conc: 25.47 ng/ml



#3 gamma-BHC (Lindane)

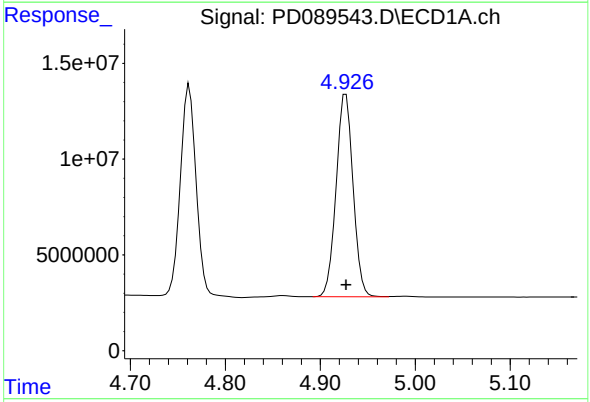
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 131516800
Conc: 23.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



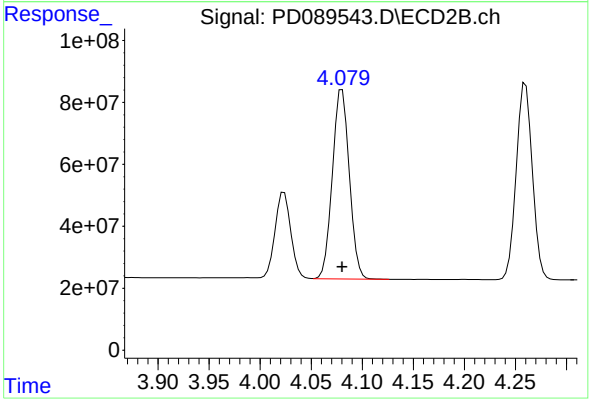
#3 gamma-BHC (Lindane)

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



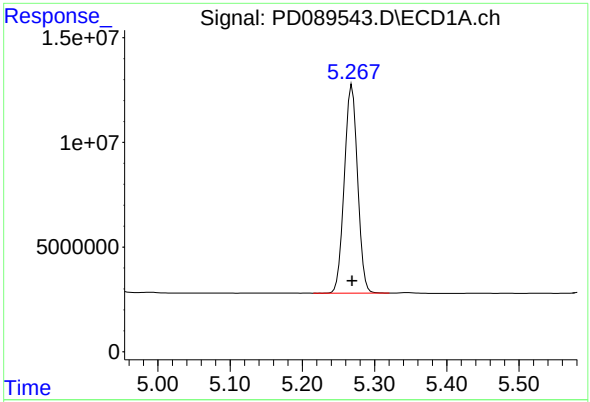
#4 Heptachlor

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



#4 Heptachlor

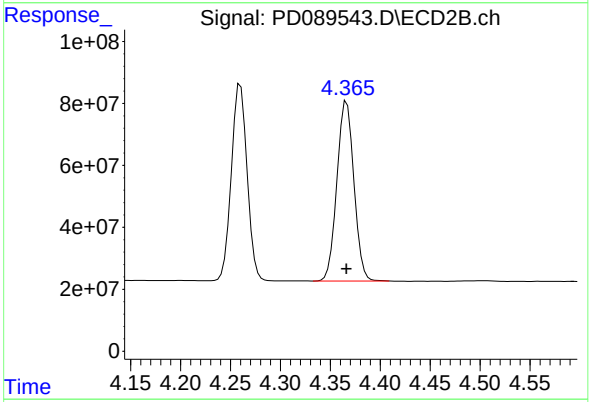
R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 708223096
Conc: 26.05 ng/ml



#5 Aldrin

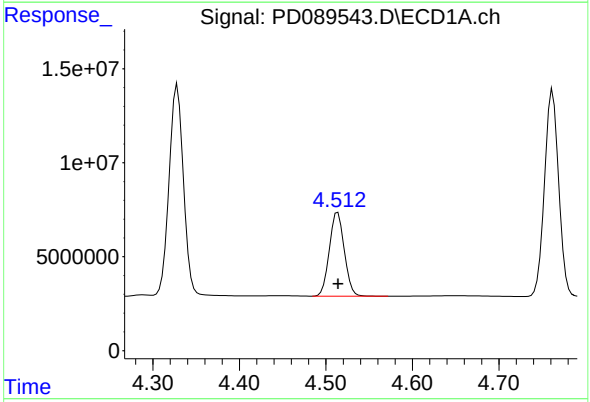
R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 126076081
Conc: 24.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



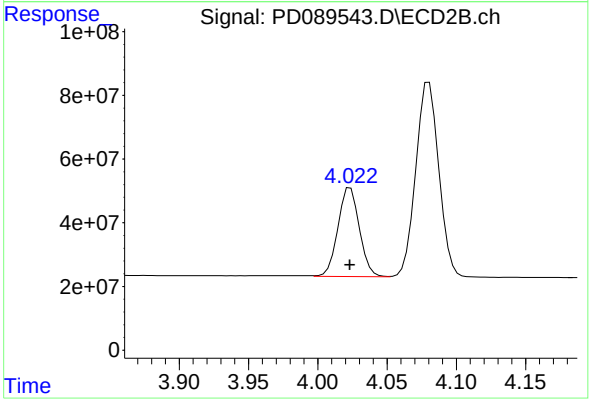
#5 Aldrin

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



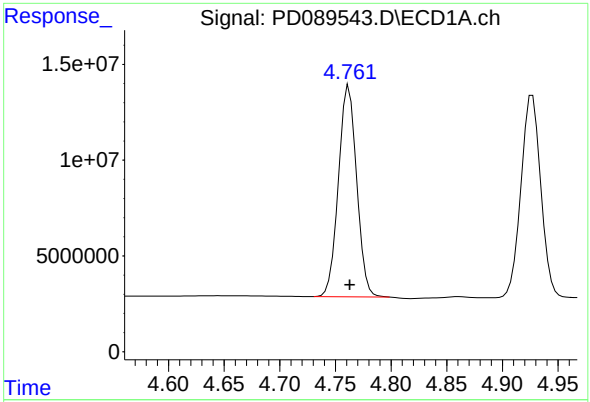
#6 beta-BHC

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



#6 beta-BHC

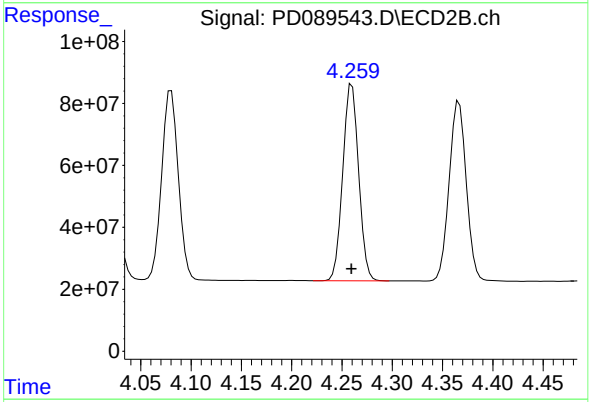
R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 300893975
Conc: 26.09 ng/ml



#7 delta-BHC

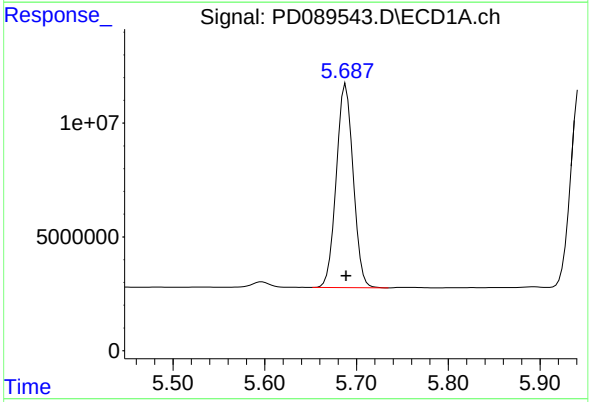
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 125710820
Conc: 23.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



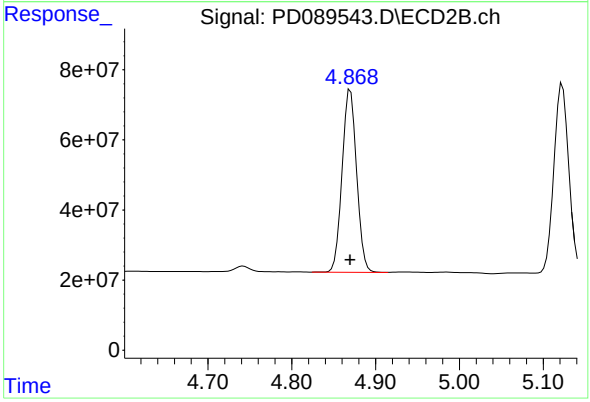
#7 delta-BHC

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



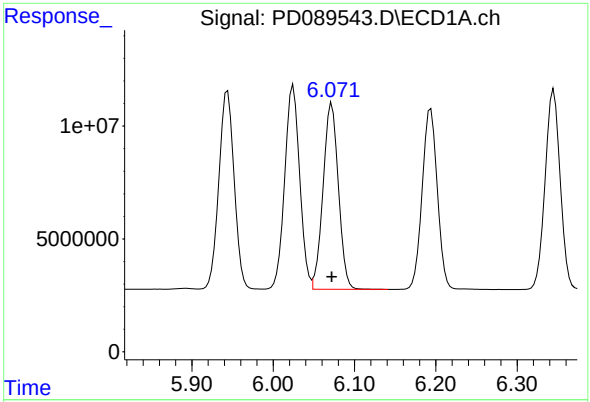
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

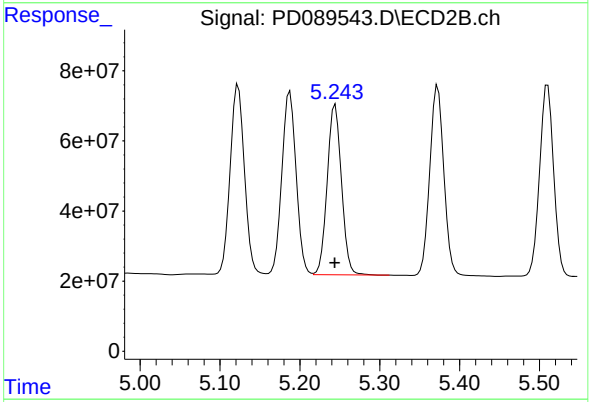
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 628673691
Conc: 26.18 ng/ml



#9 Endosulfan I

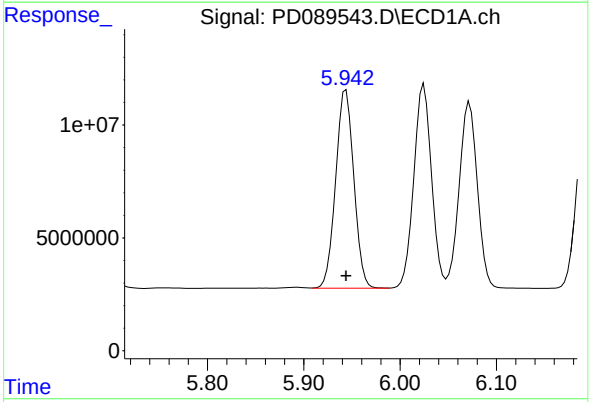
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 108541143
Conc: 24.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



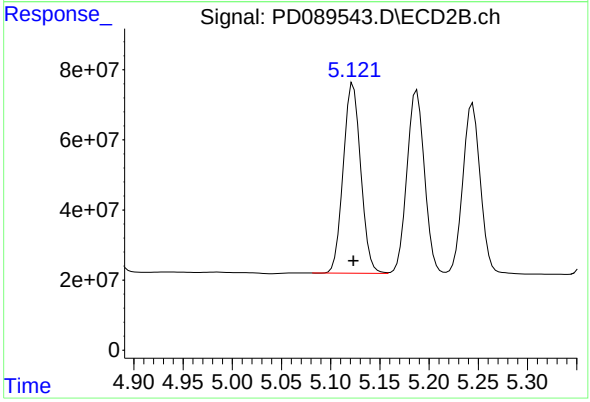
#9 Endosulfan I

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



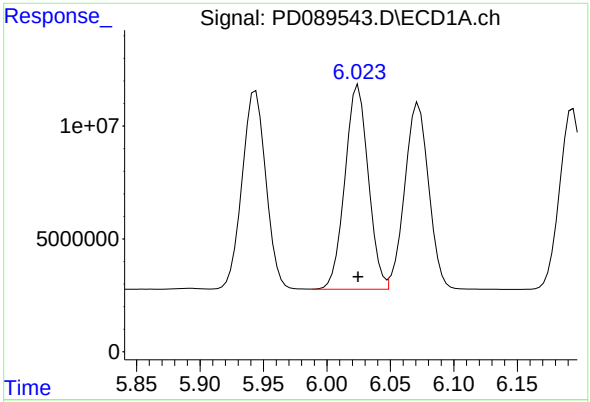
#10 gamma-Chlordane

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



#10 gamma-Chlordane

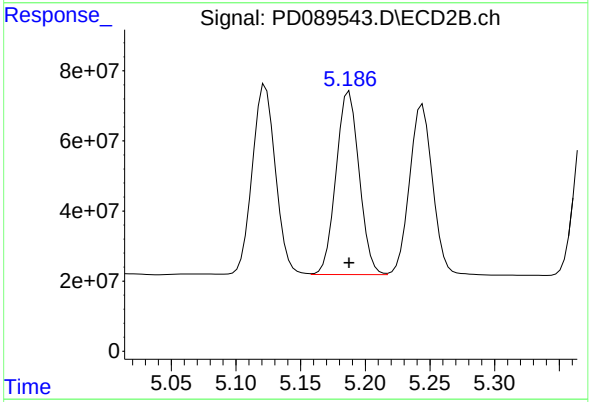
R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 671381587
Conc: 26.01 ng/ml



#11 alpha-Chlordane

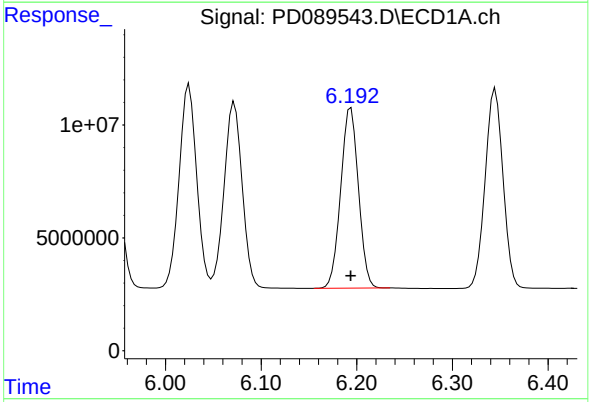
R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 115896292
Conc: 24.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



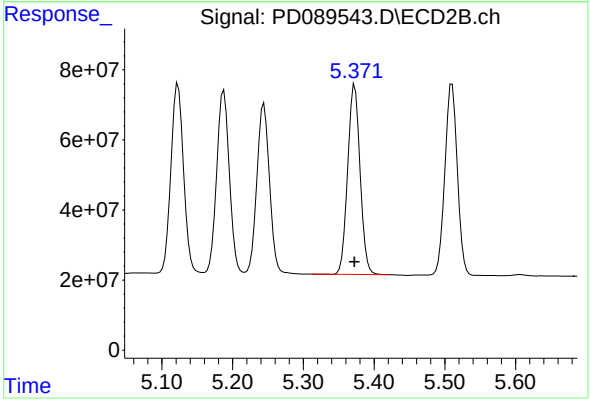
#11 alpha-Chlordane

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



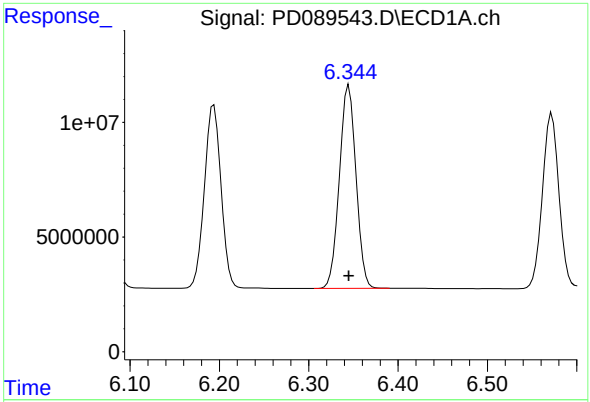
#12 4,4'-DDE

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



#12 4,4'-DDE

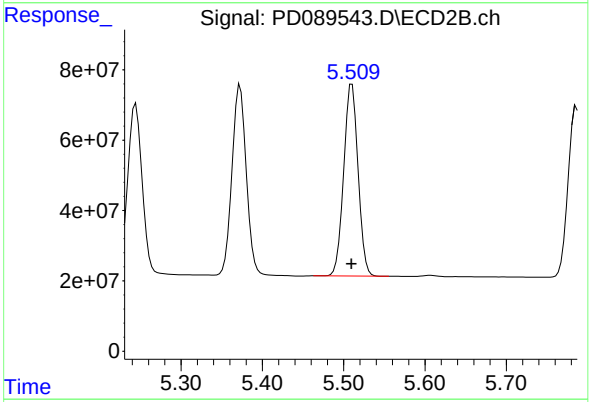
R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 661968986
Conc: 26.14 ng/ml



#13 Dieldrin

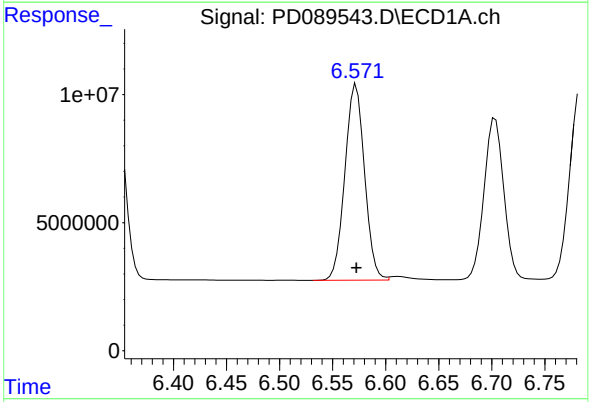
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 114372953
Conc: 24.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



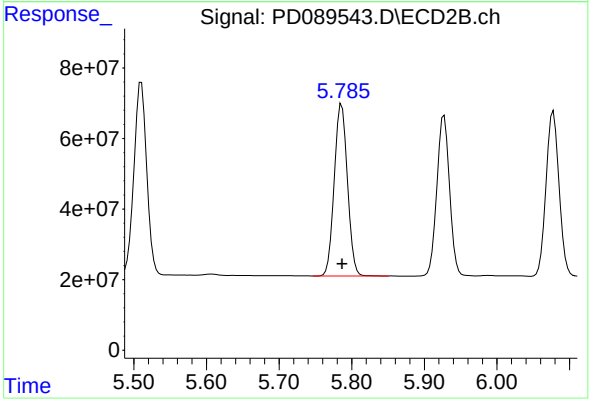
#13 Dieldrin

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



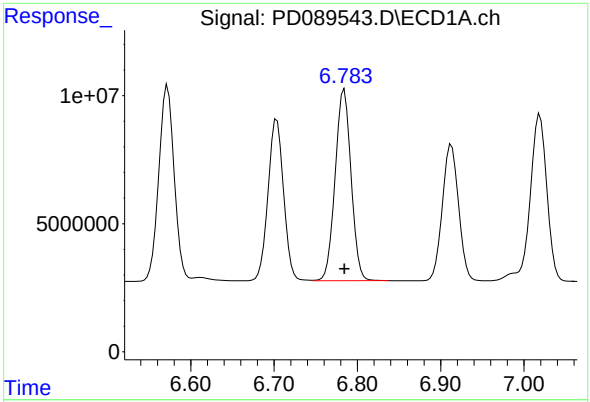
#14 Endrin

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



#14 Endrin

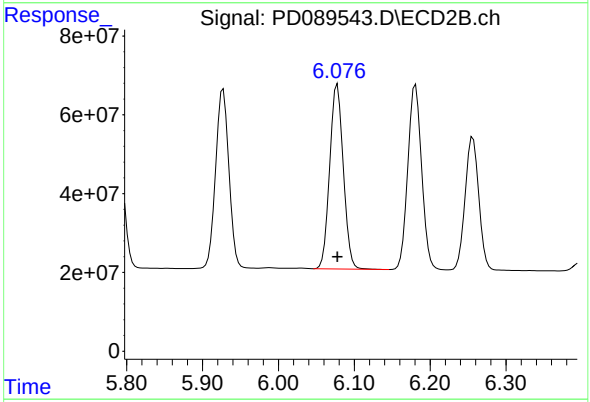
R.T.: 5.786 min
Delta R.T.: 0.000 min
Response: 613552417
Conc: 26.37 ng/ml



#15 Endosulfan II

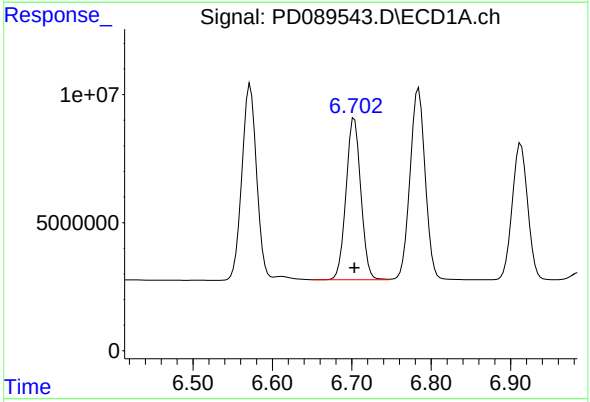
R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 99251875
Conc: 25.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



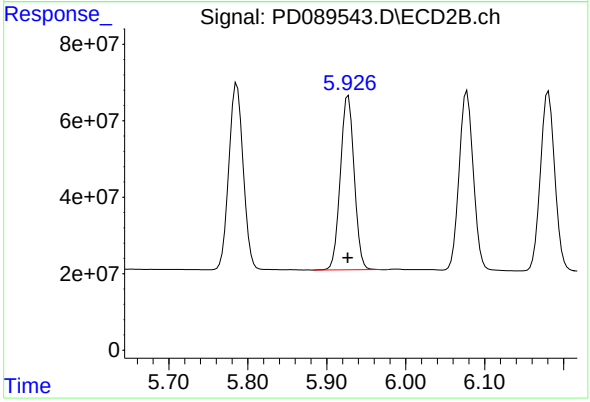
#15 Endosulfan II

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



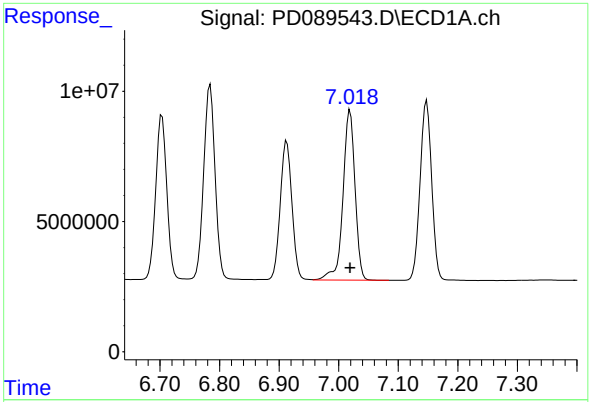
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 81853481
Conc: 24.52 ng/ml



#16 4,4'-DDD

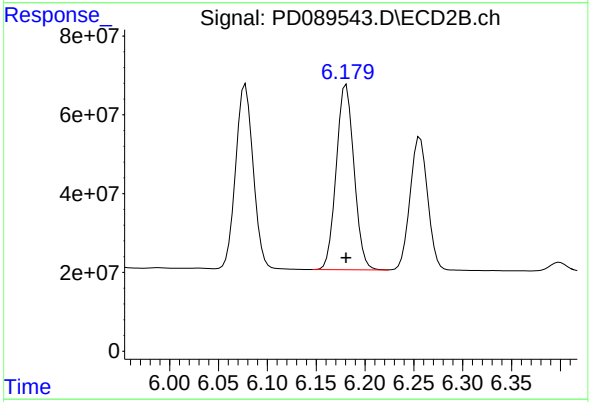
R.T.: 5.927 min
Delta R.T.: 0.000 min
Response: 554493386
Conc: 26.29 ng/ml



#17 4,4'-DDT

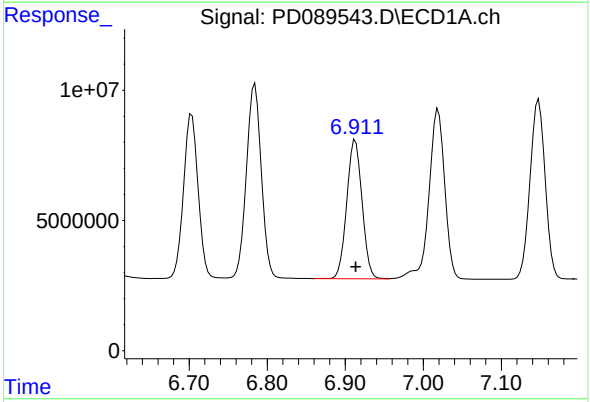
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 91580250
Conc: 24.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



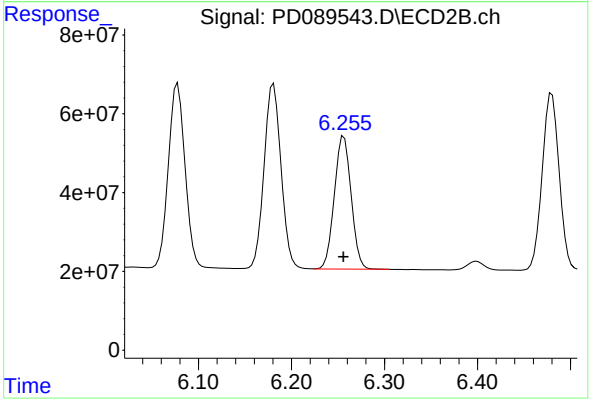
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 594988754
Conc: 26.02 ng/ml



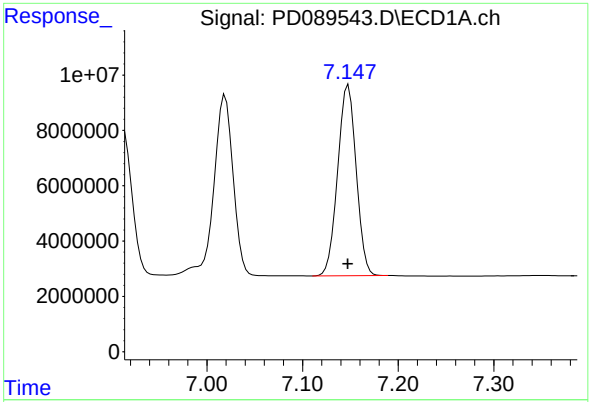
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.000 min
Response: 72479554
Conc: 25.80 ng/ml



#18 Endrin aldehyde

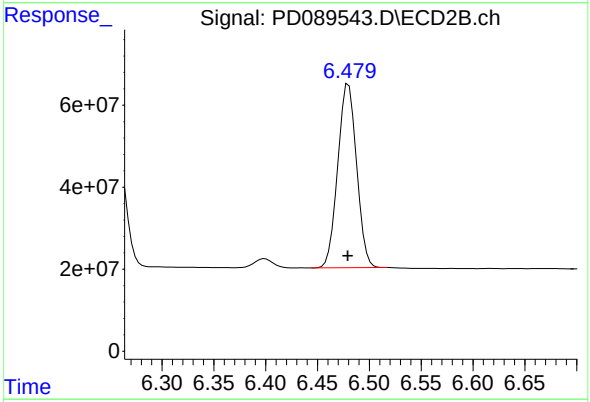
R.T.: 6.256 min
Delta R.T.: 0.000 min
Response: 423423269
Conc: 26.83 ng/ml



#19 Endosulfan Sulfate

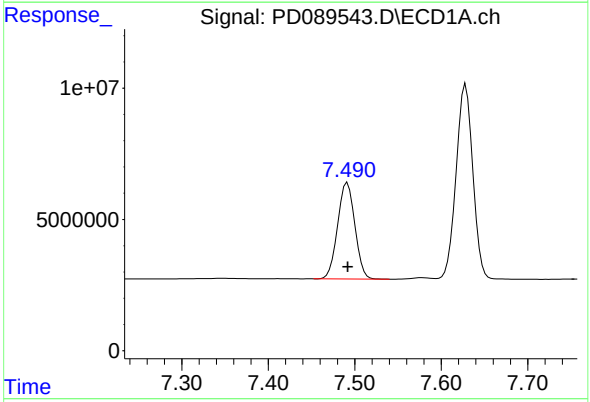
R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 92984156
Conc: 25.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



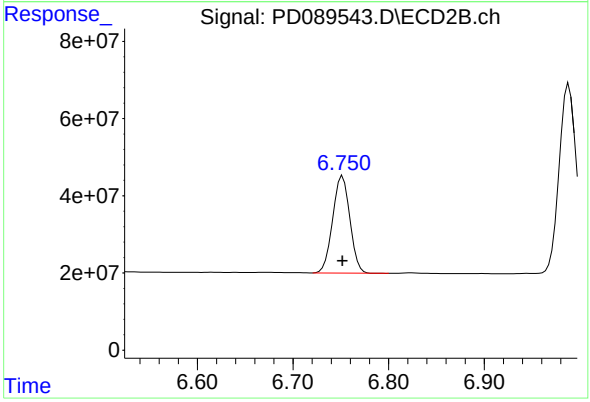
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: 0.000 min
Response: 567168949
Conc: 26.70 ng/ml



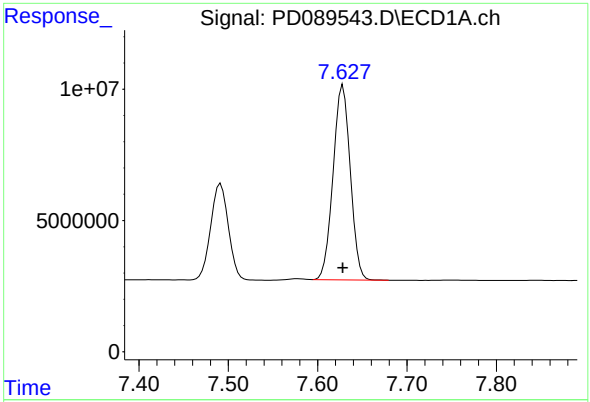
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 50616003
Conc: 25.97 ng/ml



#20 Methoxychlor

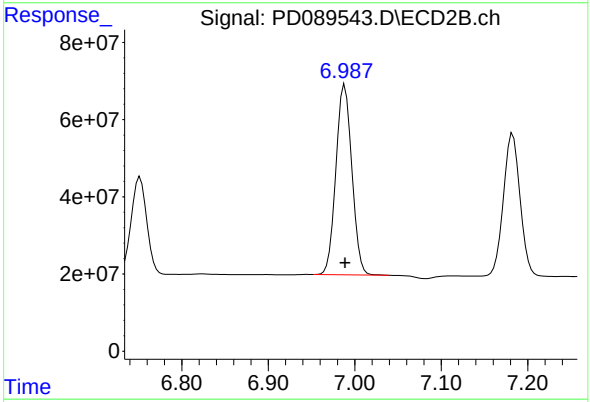
R.T.: 6.752 min
Delta R.T.: 0.000 min
Response: 314603279
Conc: 26.81 ng/ml



#21 Endrin ketone

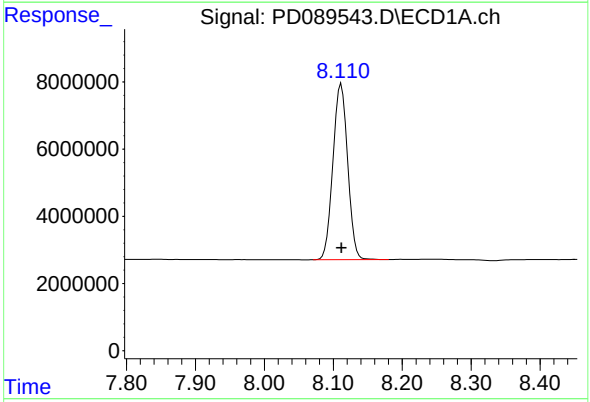
R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 99228164
Conc: 25.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



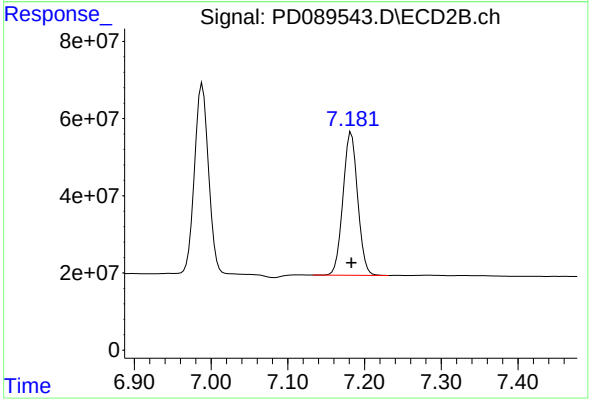
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 628062260
Conc: 26.81 ng/ml



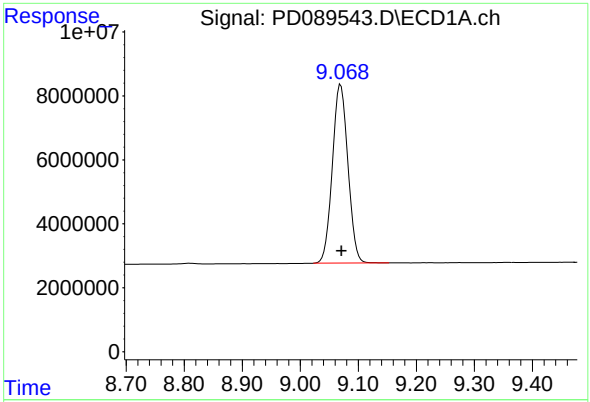
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.000 min
Response: 77743035
Conc: 26.57 ng/ml



#22 Mirex

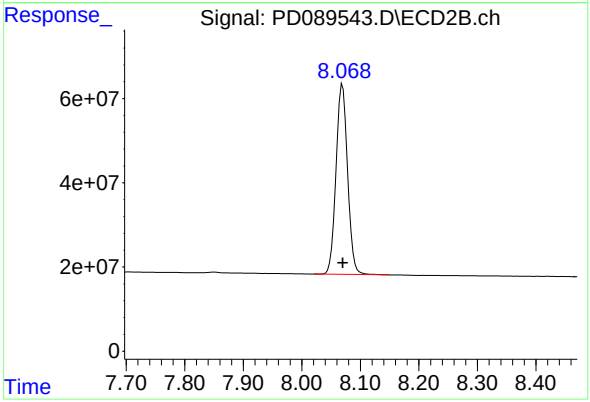
R.T.: 7.183 min
Delta R.T.: 0.000 min
Response: 496117043
Conc: 27.04 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 104316288
Conc: 26.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 619151808
Conc: 26.53 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089544.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:44
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 03:53:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 03:49:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.549	2.879	15576738	114.7E6	5.489	6.041
28)	SA Decachlor...	9.071	8.069	24686736	149.6E6	6.298	6.409
	Target Compounds						
2)	A alpha-BHC	3.997	3.391	26401682	171.2E6	4.557	5.839 #
3)	MA gamma-BHC...	4.328	3.727	27387909	158.3E6	4.966	5.844
4)	MA Heptachlor	4.927	4.080	27732521	162.5E6	5.128	5.976
5)	MB Aldrin	5.269	4.366	26401339	157.3E6	5.075	5.902
6)	B beta-BHC	4.514	4.023	12011392	69903317	5.709	6.061
7)	B delta-BHC	4.762	4.259	25049162	158.4E6	4.697	5.813
8)	B Heptachlo...	5.689	4.870	25511397	147.4E6	5.517	6.140
9)	A Endosulfan I	6.073	5.244	23911772	141.3E6	5.494	6.170
10)	B gamma-Chl...	5.944	5.123	24569237	156.3E6	5.272	6.055
11)	B alpha-Chl...	6.025	5.187	25436019	151.4E6	5.462	6.092
12)	B 4,4'-DDE	6.194	5.373	21620216	153.5E6	5.097	6.063
13)	MA Dieldrin	6.345	5.510	24125303	155.7E6	5.163	6.095
14)	MA Endrin	6.573	5.787	21135120	143.8E6	5.272	6.179
15)	B Endosulfa...	6.784	6.078	22721865	136.4E6	5.766	6.180
16)	A 4,4'-DDD	6.703	5.927	17392137	128.0E6	5.211	6.070
17)	MA 4,4'-DDT	7.020	6.181	19151396	129.9E6	5.131	5.683
18)	B Endrin al...	6.914	6.256	16549138	100.9E6	5.891	6.391
19)	B Endosulfa...	7.148	6.480	20767401	131.4E6	5.662	6.186
20)	A Methoxychlor	7.492	6.752	11251140	73009900	5.773	6.222
21)	B Endrin ke...	7.628	6.989	21671222	146.2E6	5.504	6.240
22)	Mirex	8.112	7.183	18534934	117.7E6	6.335	6.415

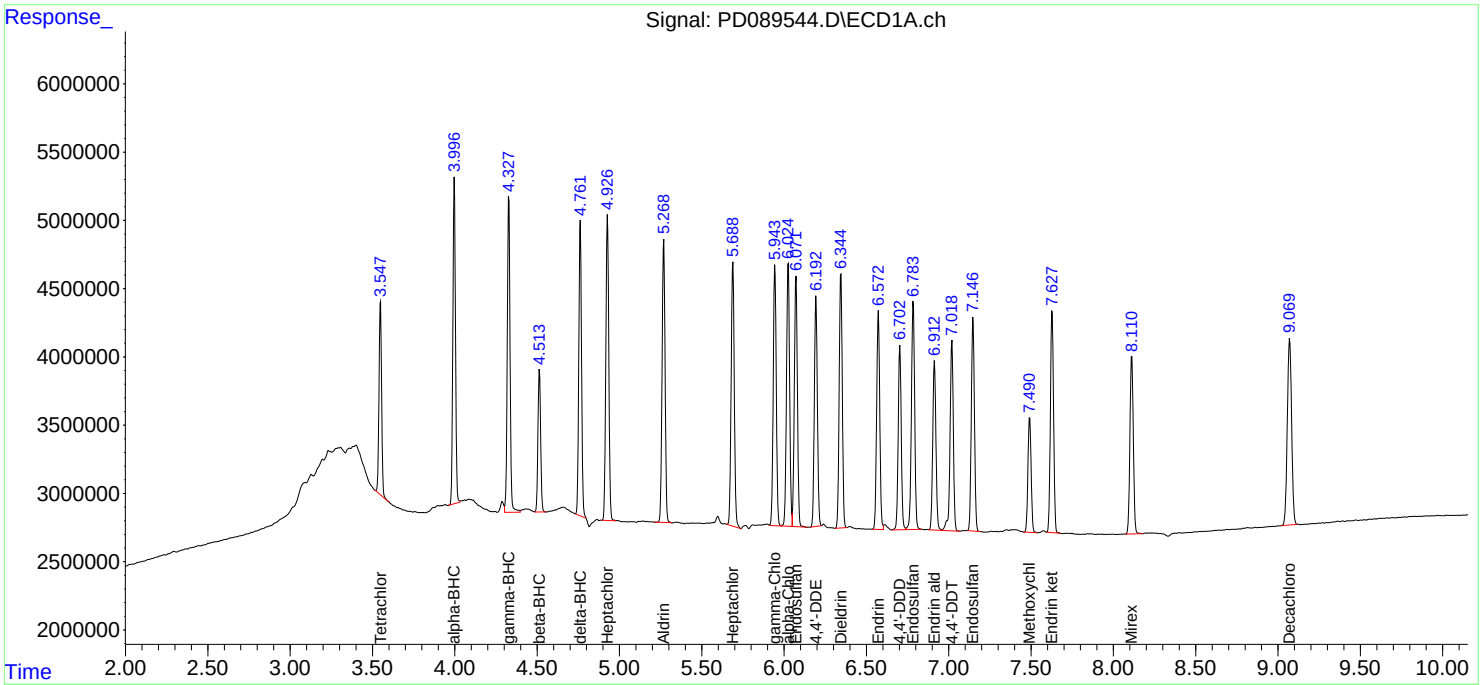
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

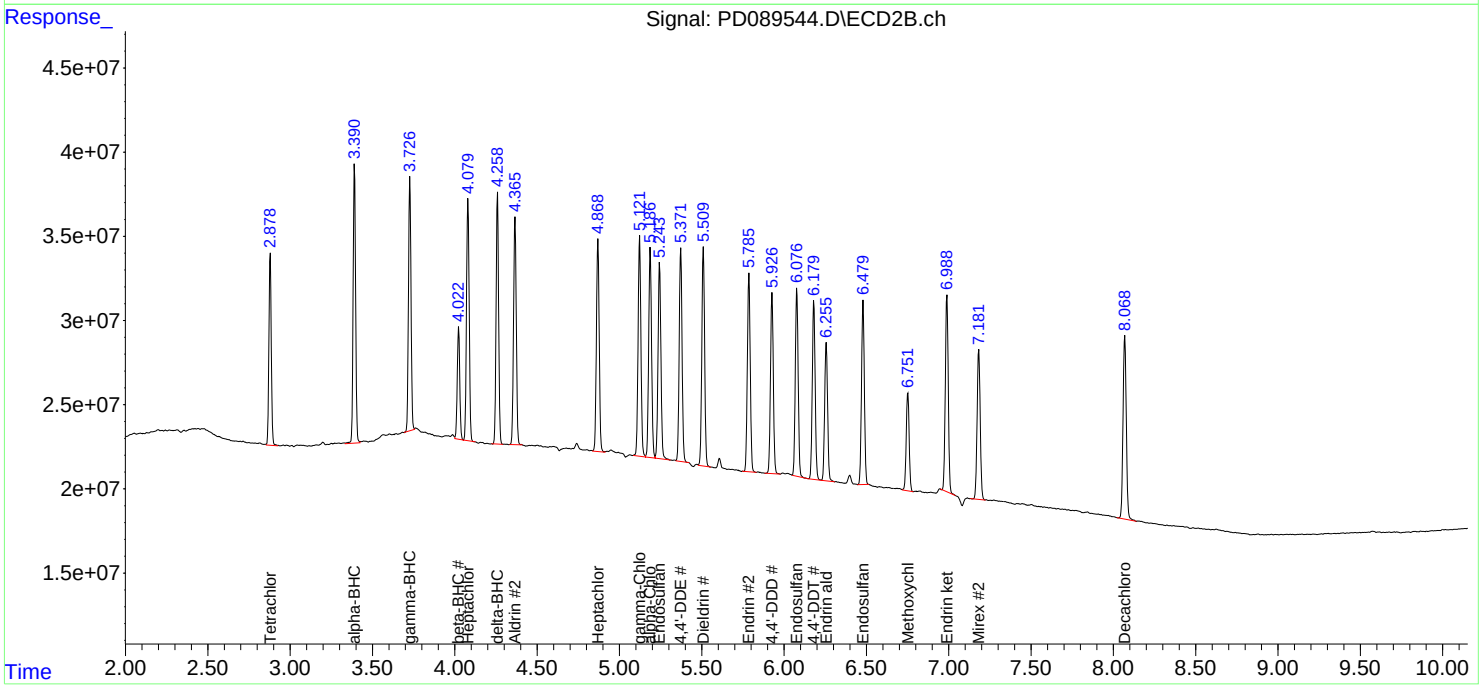
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089544.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:44
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

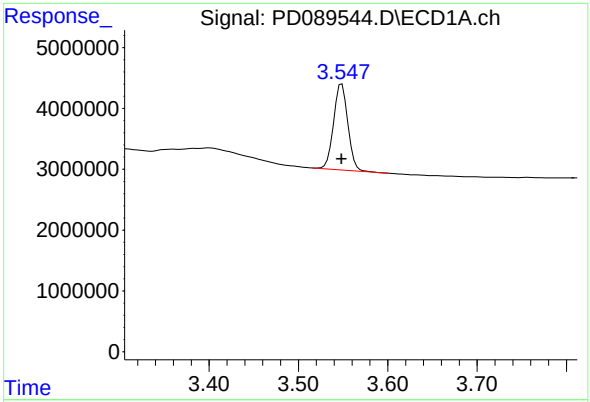
Instrument :
ECD_D
ClientSampleId :
PSTDICC005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 03:53:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 03:49:08 2025
Response via : Initial Calibration
Integrator: ChemStation

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



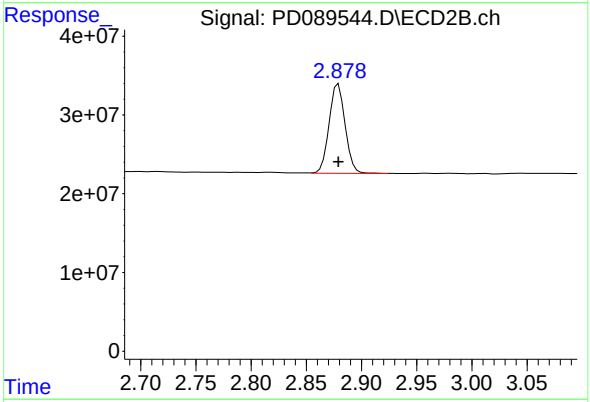




#1 Tetrachloro-m-xylene

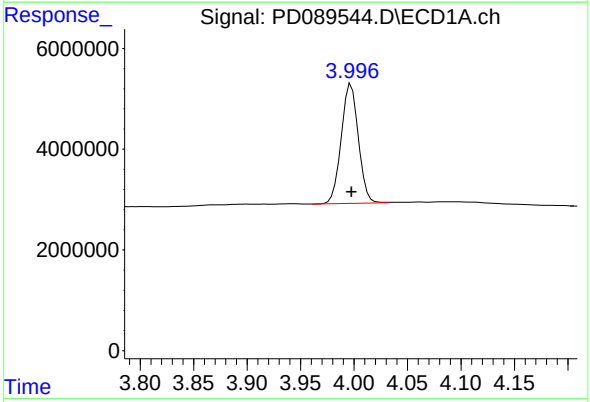
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 15576738
Conc: 5.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



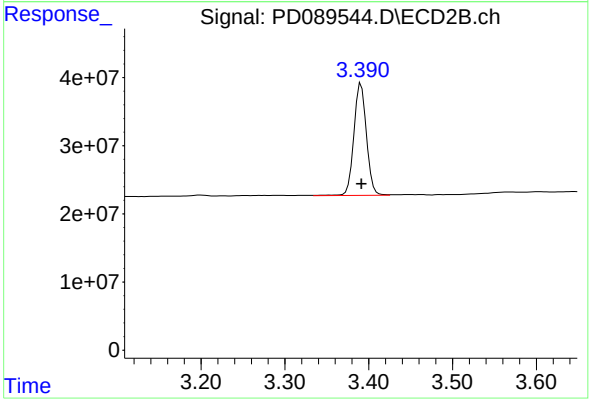
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 114706830
Conc: 6.04 ng/ml



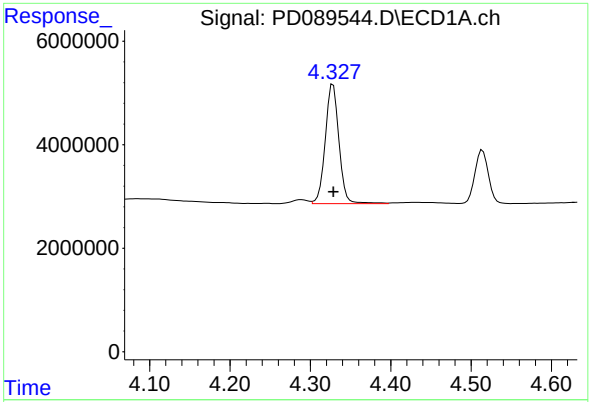
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 26401682
Conc: 4.56 ng/ml



#2 alpha-BHC

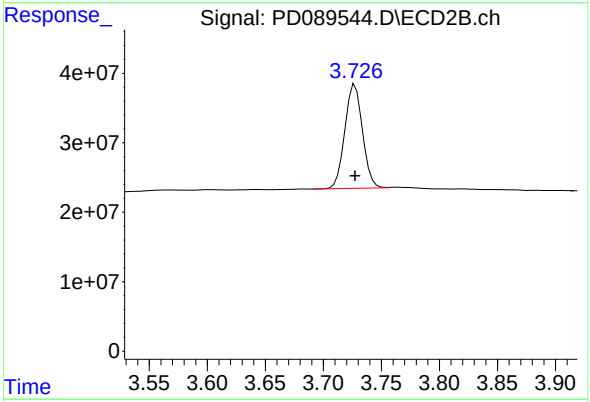
R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 171245298
Conc: 5.84 ng/ml



#3 gamma-BHC (Lindane)

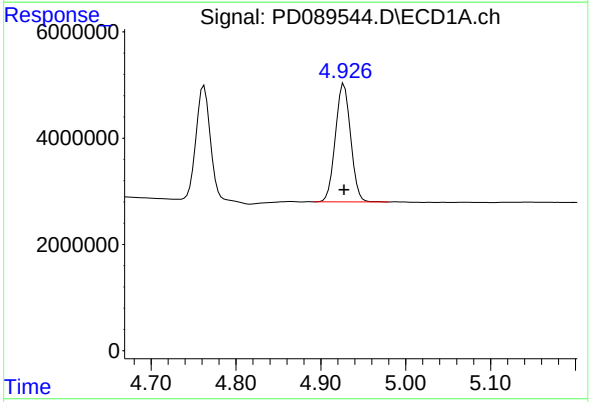
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 27387909
Conc: 4.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



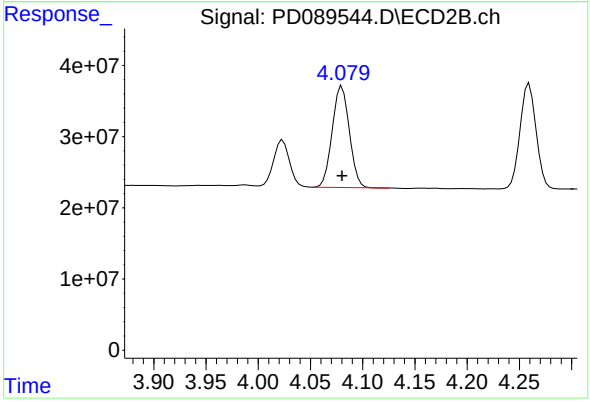
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 158307448
Conc: 5.84 ng/ml



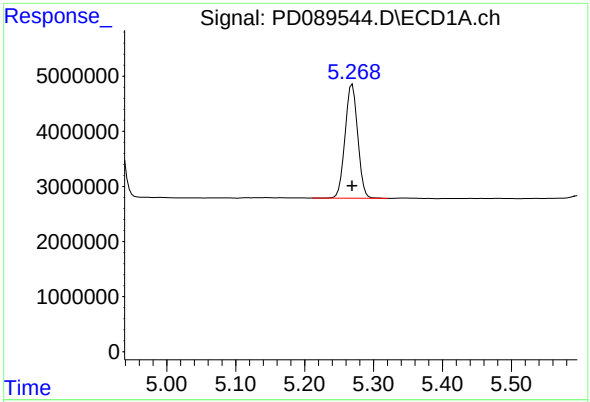
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 27732521
Conc: 5.13 ng/ml



#4 Heptachlor

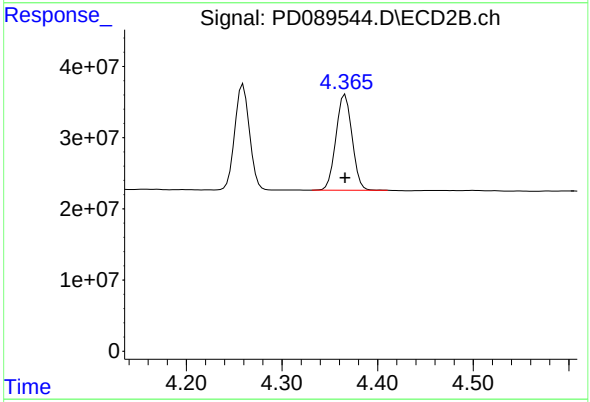
R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 162509751
Conc: 5.98 ng/ml



#5 Aldrin

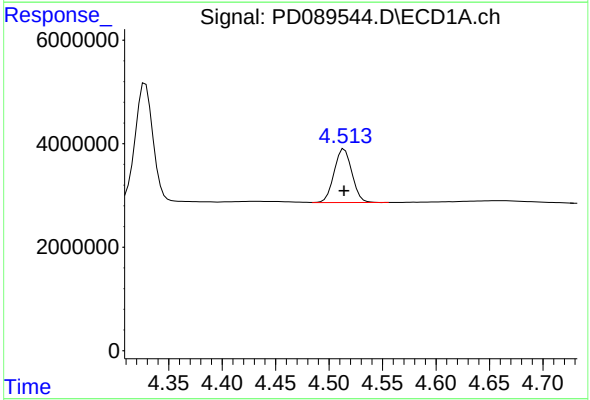
R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 26401339
Conc: 5.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



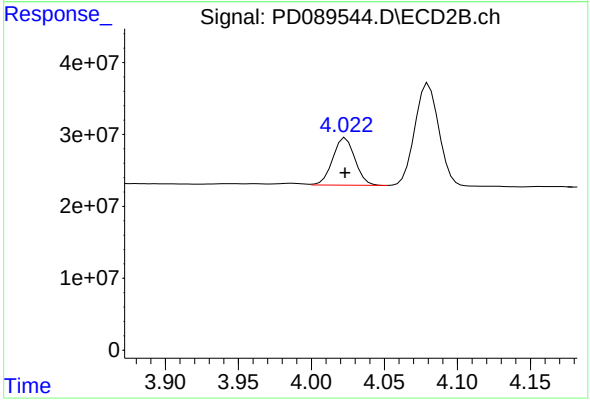
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: 0.000 min
Response: 157341789
Conc: 5.90 ng/ml



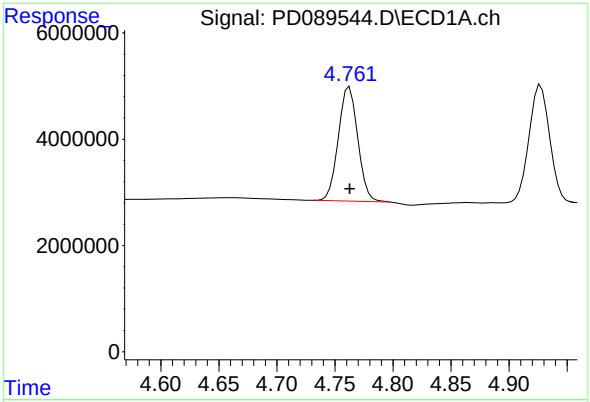
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 12011392
Conc: 5.71 ng/ml



#6 beta-BHC

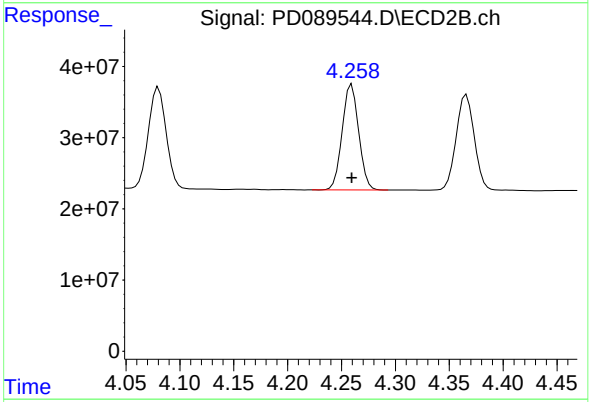
R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 69903317
Conc: 6.06 ng/ml



#7 delta-BHC

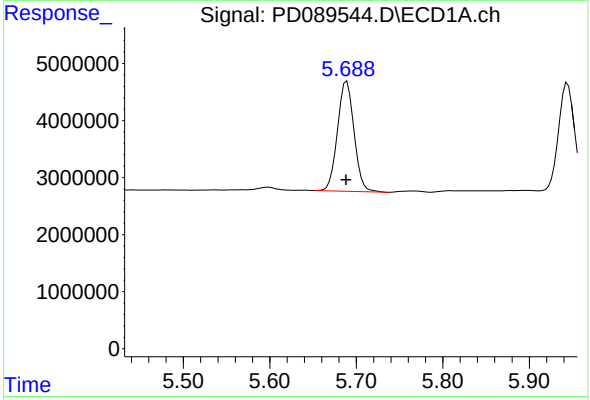
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 25049162
Conc: 4.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



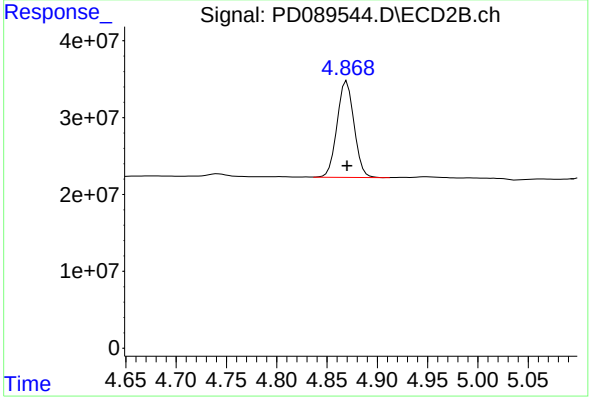
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 158442389
Conc: 5.81 ng/ml



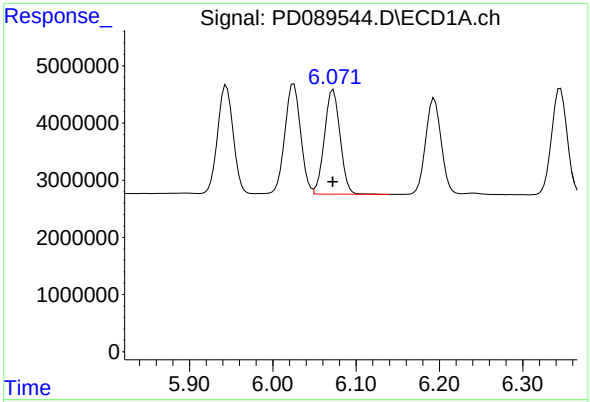
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.000 min
Response: 25511397
Conc: 5.52 ng/ml



#8 Heptachlor epoxide

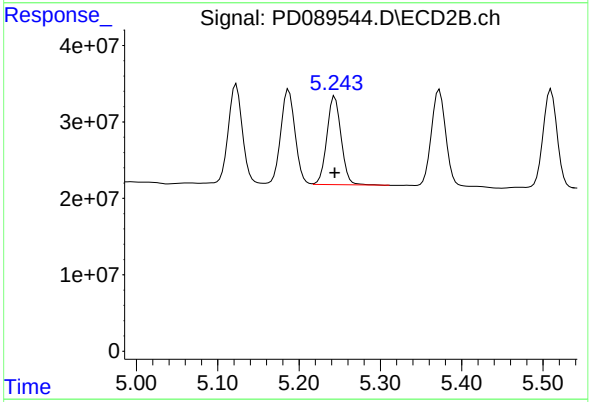
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 147447405
Conc: 6.14 ng/ml



#9 Endosulfan I

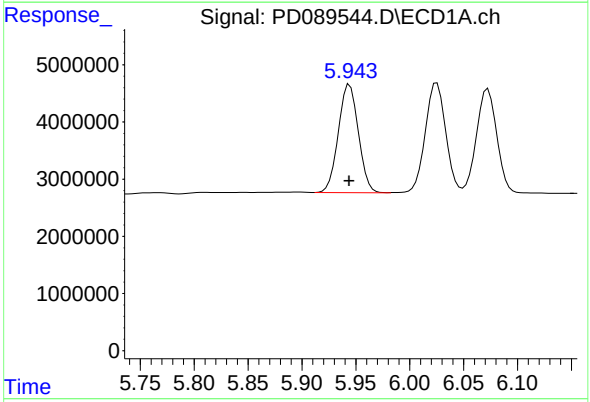
R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 23911772
Conc: 5.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



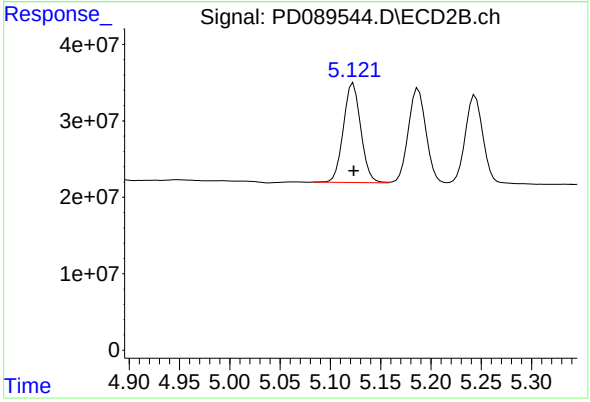
#9 Endosulfan I

R.T.: 5.244 min
Delta R.T.: 0.000 min
Response: 141252257
Conc: 6.17 ng/ml



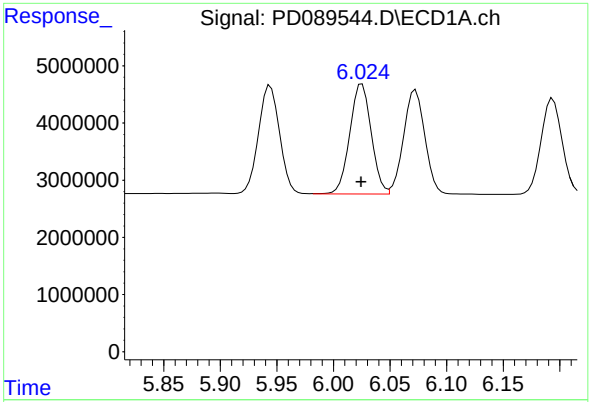
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 24569237
Conc: 5.27 ng/ml



#10 gamma-Chlordane

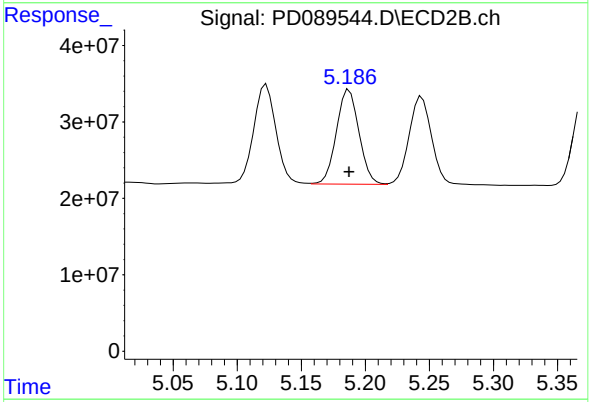
R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 156274446
Conc: 6.05 ng/ml



#11 alpha-Chlordane

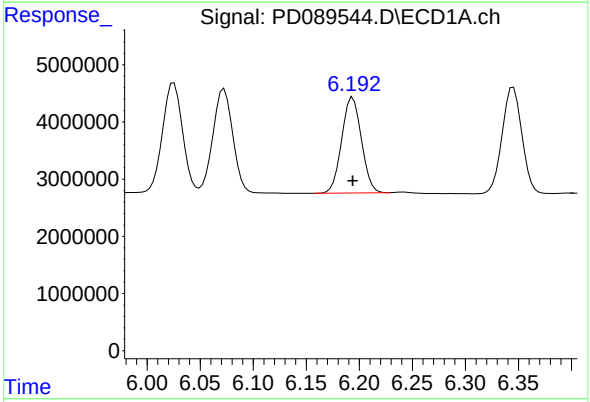
R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 25436019
Conc: 5.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



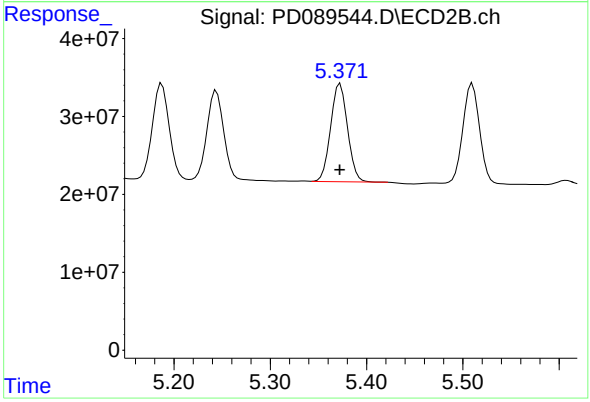
#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 151410101
Conc: 6.09 ng/ml



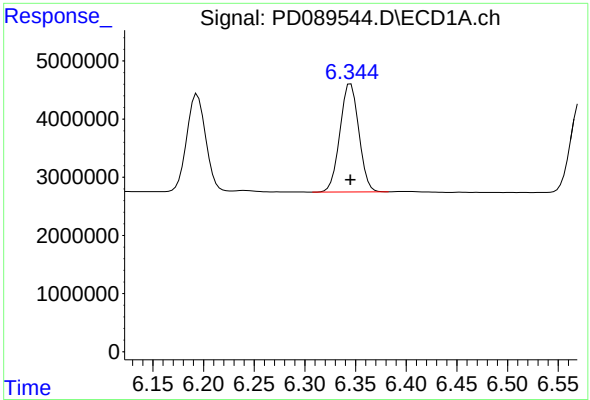
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 21620216
Conc: 5.10 ng/ml



#12 4,4'-DDE

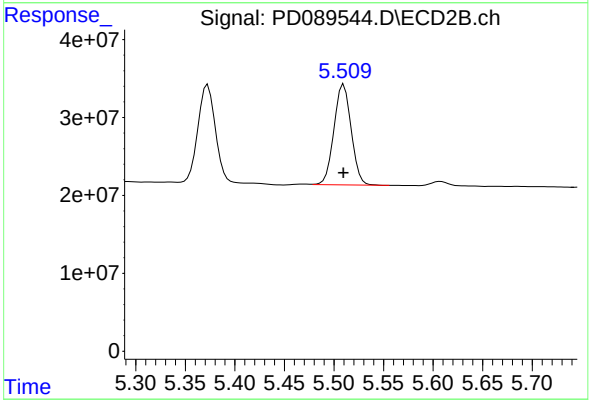
R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 153526785
Conc: 6.06 ng/ml



#13 Dieldrin

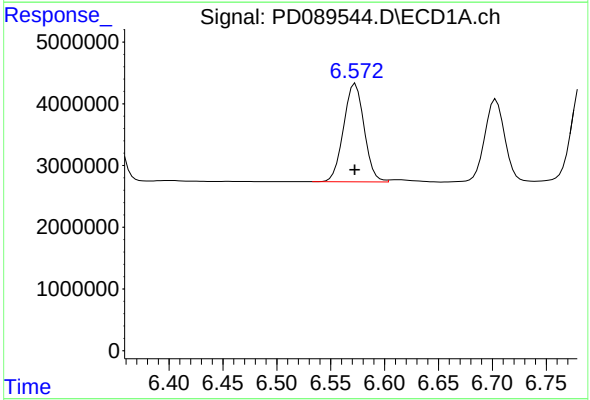
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 24125303
Conc: 5.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



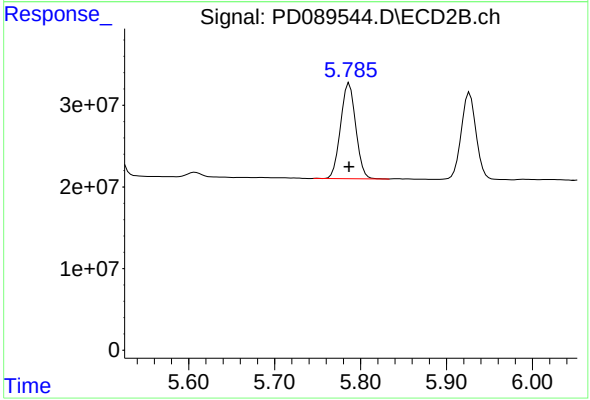
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: 0.000 min
Response: 155716815
Conc: 6.10 ng/ml



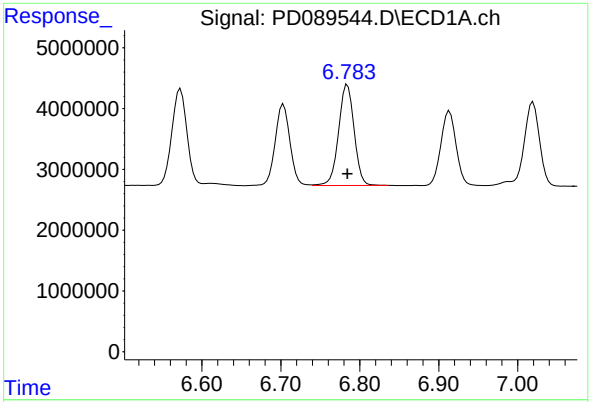
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 21135120
Conc: 5.27 ng/ml



#14 Endrin

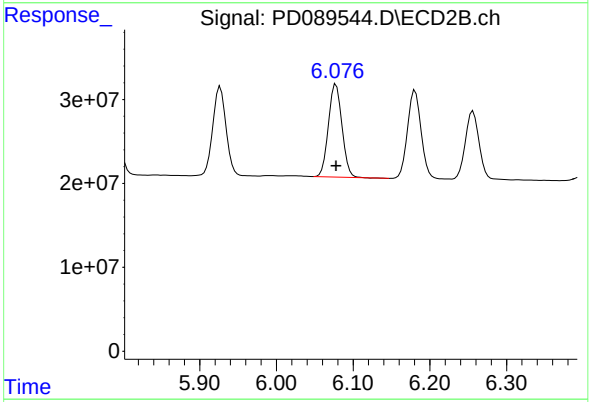
R.T.: 5.787 min
Delta R.T.: 0.000 min
Response: 143779493
Conc: 6.18 ng/ml



#15 Endosulfan II

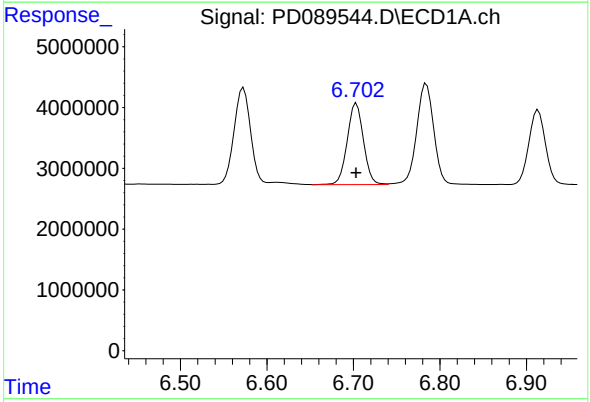
R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 22721865
Conc: 5.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



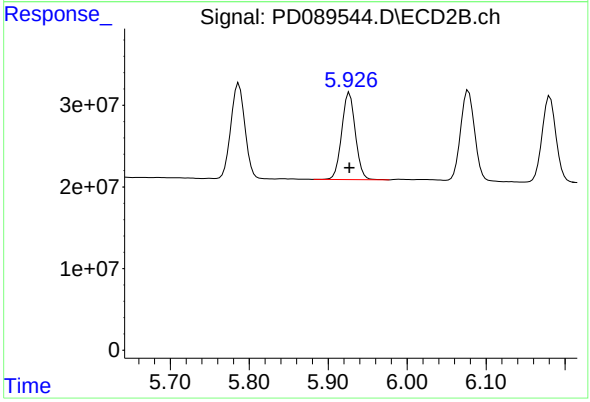
#15 Endosulfan II

R.T.: 6.078 min
Delta R.T.: 0.000 min
Response: 136389761
Conc: 6.18 ng/ml



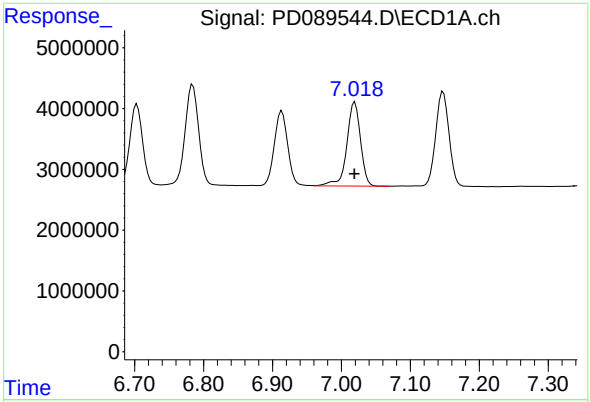
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 17392137
Conc: 5.21 ng/ml



#16 4,4'-DDD

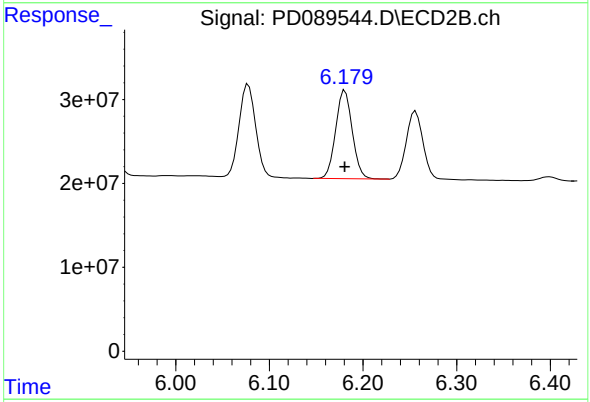
R.T.: 5.927 min
Delta R.T.: 0.000 min
Response: 128024662
Conc: 6.07 ng/ml



#17 4,4'-DDT

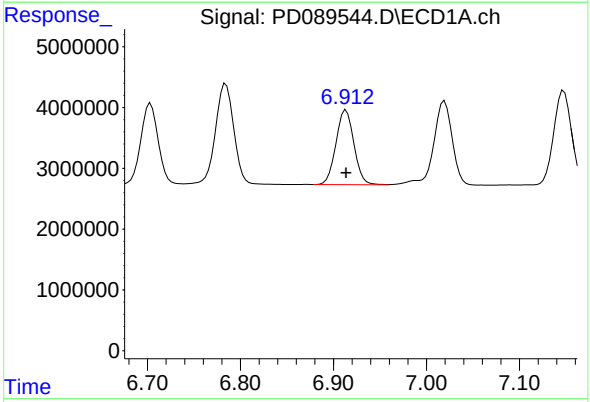
R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 19151396
Conc: 5.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



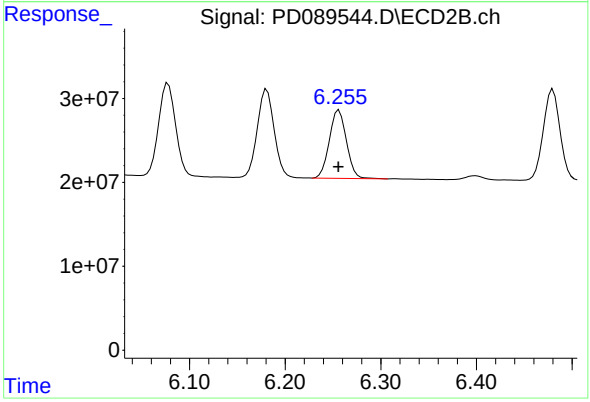
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 129937806
Conc: 5.68 ng/ml



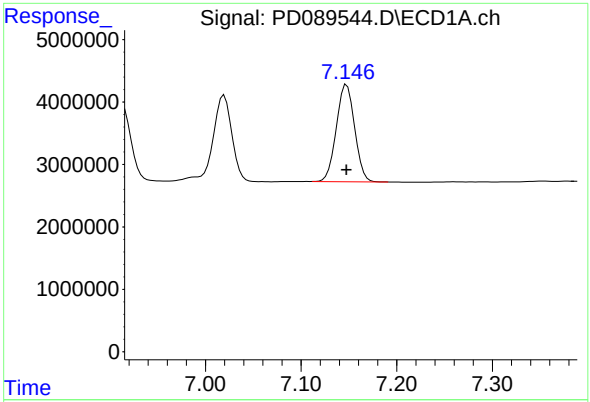
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 16549138
Conc: 5.89 ng/ml



#18 Endrin aldehyde

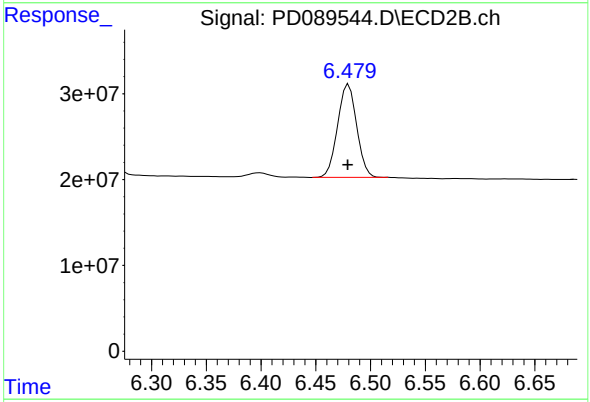
R.T.: 6.256 min
Delta R.T.: 0.000 min
Response: 100852985
Conc: 6.39 ng/ml



#19 Endosulfan Sulfate

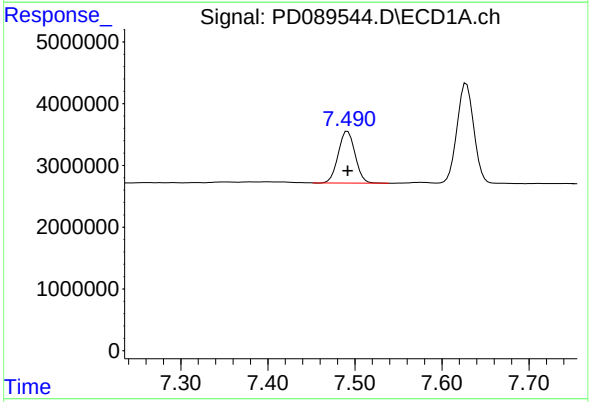
R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 20767401
Conc: 5.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



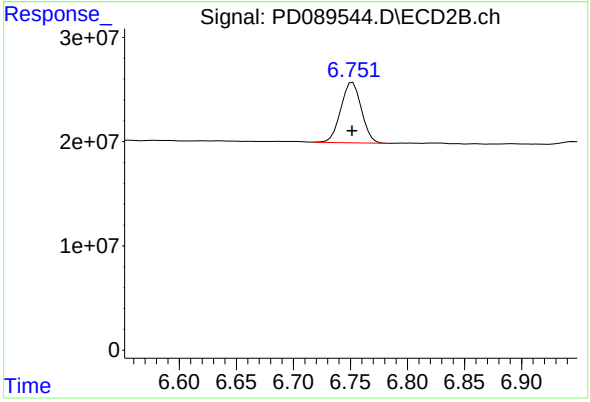
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: 0.000 min
Response: 131428571
Conc: 6.19 ng/ml



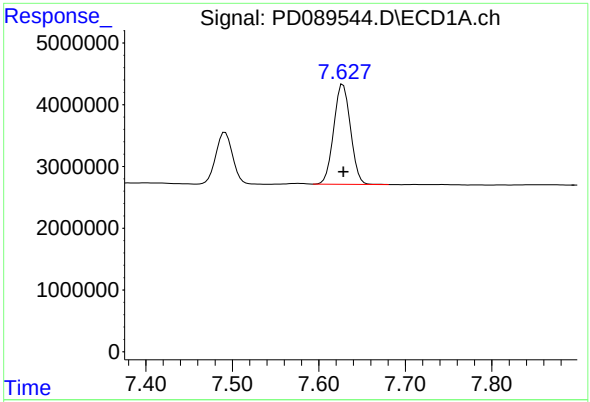
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 11251140
Conc: 5.77 ng/ml



#20 Methoxychlor

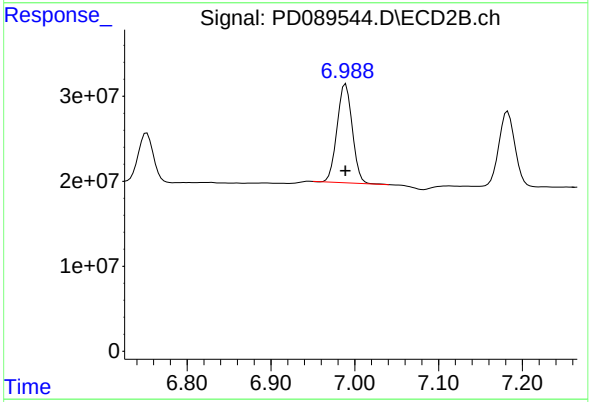
R.T.: 6.752 min
Delta R.T.: 0.000 min
Response: 73009900
Conc: 6.22 ng/ml



#21 Endrin ketone

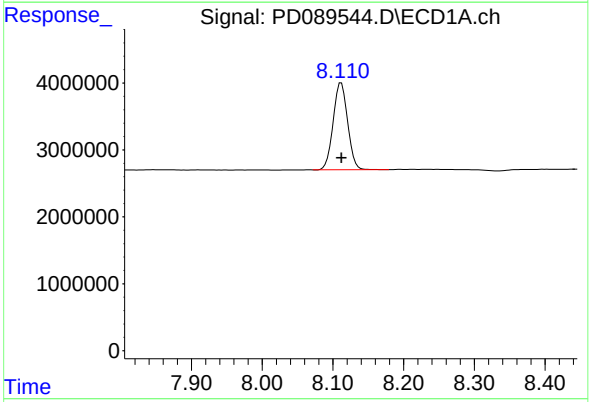
R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 21671222
Conc: 5.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



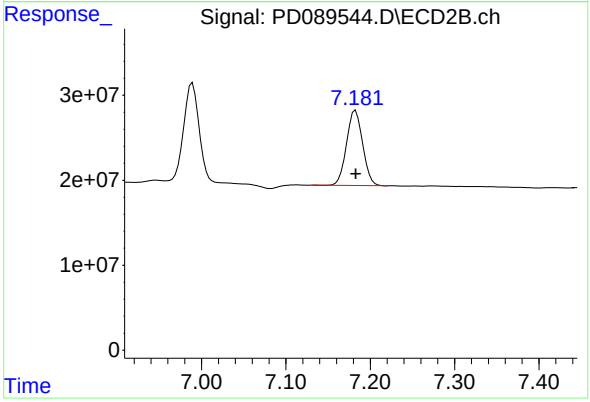
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 146177735
Conc: 6.24 ng/ml



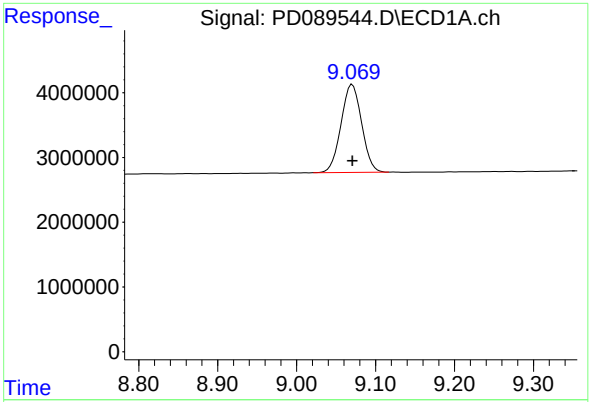
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.000 min
Response: 18534934
Conc: 6.33 ng/ml



#22 Mirex

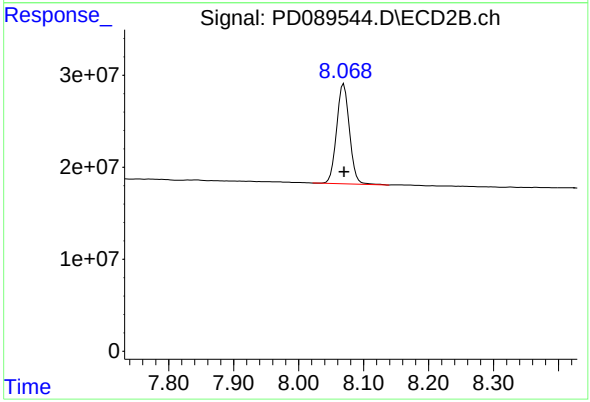
R.T.: 7.183 min
Delta R.T.: 0.000 min
Response: 117699408
Conc: 6.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 24686736
Conc: 6.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDICC005



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 149568521
Conc: 6.41 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089547.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:25
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 04:16:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:15:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.549	2.879	137.0E6	1147.5E6	50.000	50.000
28)	SA Decachlor...	9.071	8.070	191.4E6	1159.2E6	50.000	50.000
	Target Compounds						
23)	Chlordane-1	4.713	3.904	95759549	451.9E6	500.000	500.000
24)	Chlordane-2	5.239	4.485	96700402	471.2E6	500.000	500.000
25)	Chlordane-3	5.944	5.123	384.7E6	1387.3E6	500.000	500.000
26)	Chlordane-4	6.029	5.188	464.4E6	1166.3E6	500.000	500.000
27)	Chlordane-5	6.869	6.088	81273058	568.6E6	500.000	500.000

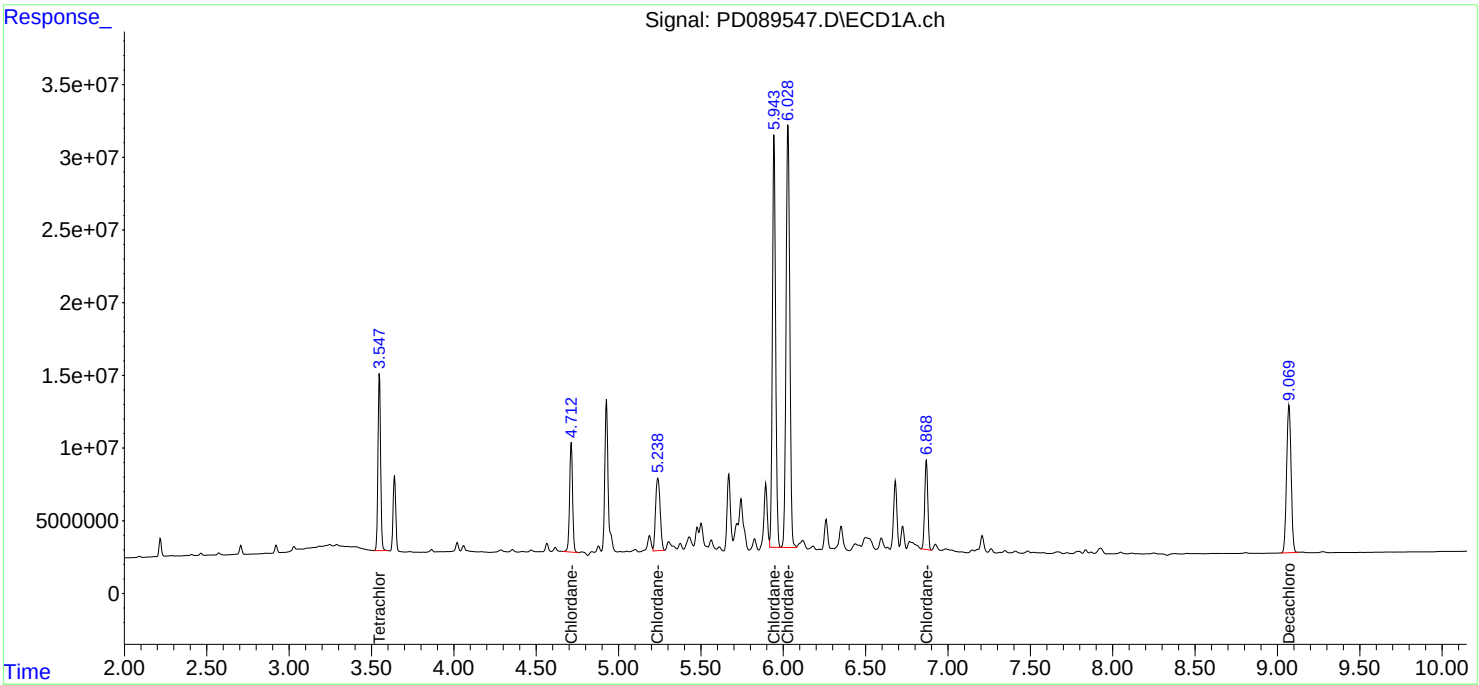
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

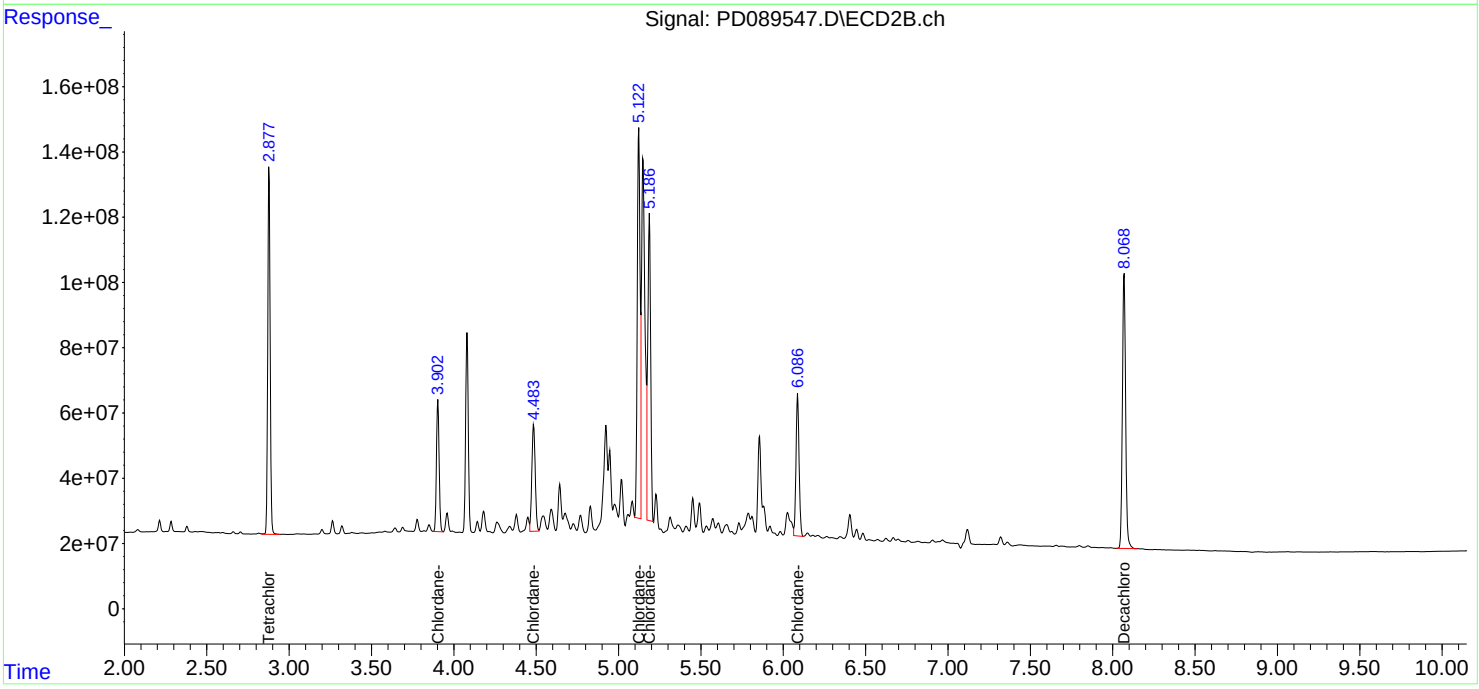
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089547.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:25
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

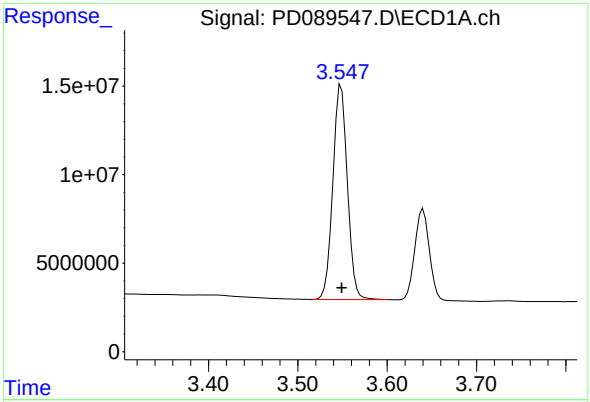
Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 04:16:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:15:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



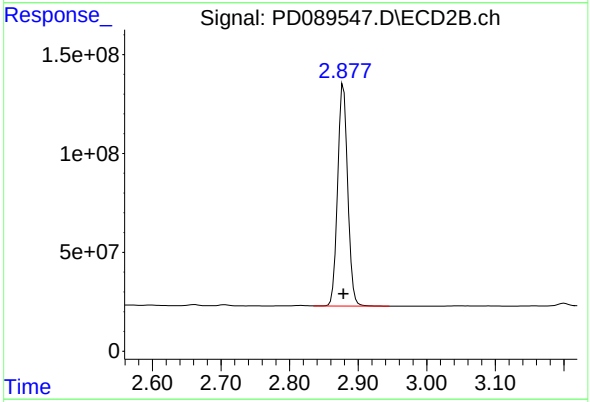




#1 Tetrachloro-m-xylene

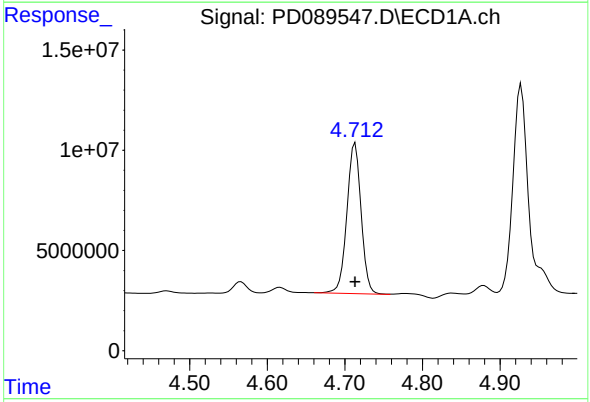
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 136988831
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



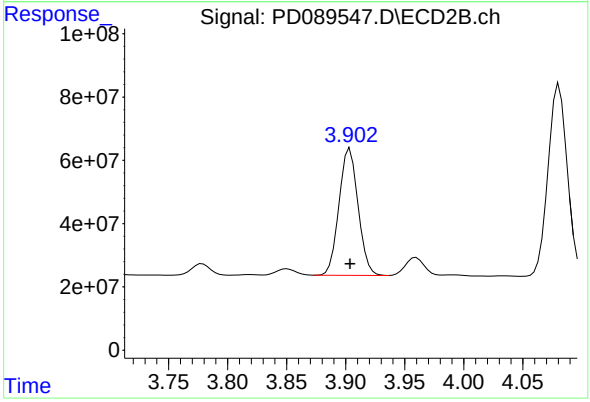
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 1147510938
Conc: 50.00 ng/ml



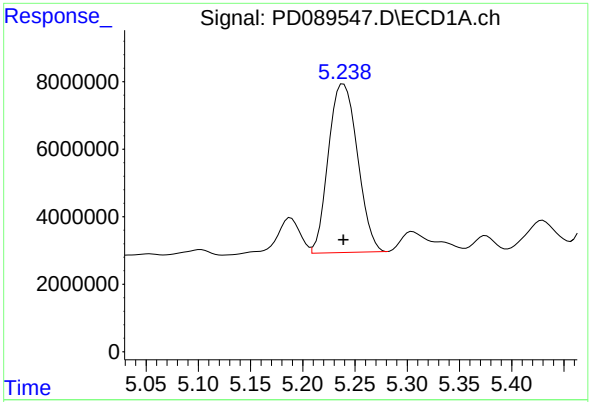
#23 Chlordane-1

R.T.: 4.713 min
Delta R.T.: 0.000 min
Response: 95759549
Conc: 500.00 ng/ml



#23 Chlordane-1

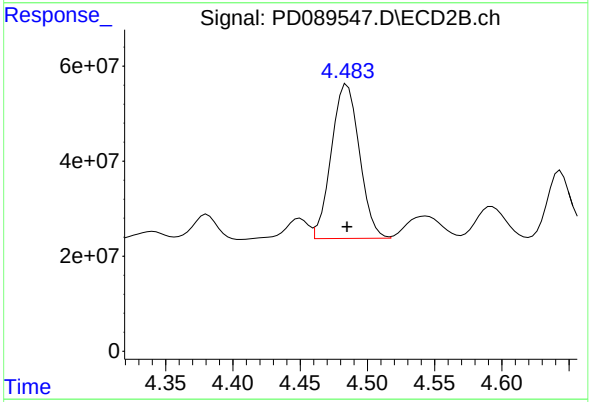
R.T.: 3.904 min
Delta R.T.: 0.000 min
Response: 451936761
Conc: 500.00 ng/ml



#24 Chlordane-2

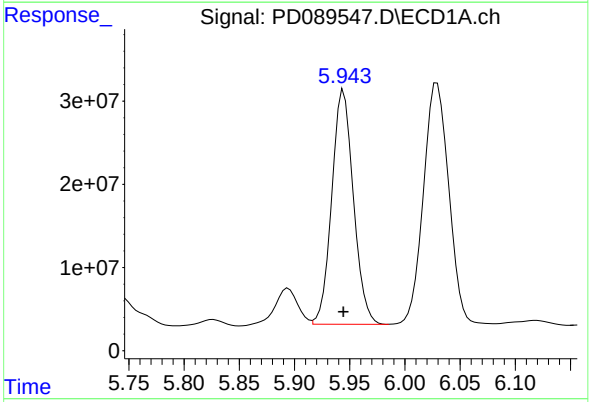
R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 96700402
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



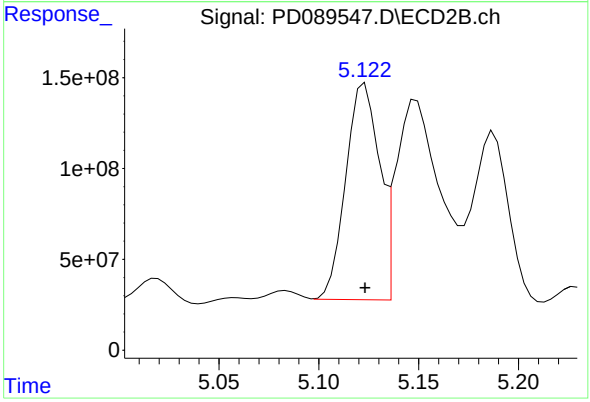
#24 Chlordane-2

R.T.: 4.485 min
Delta R.T.: 0.000 min
Response: 471219127
Conc: 500.00 ng/ml



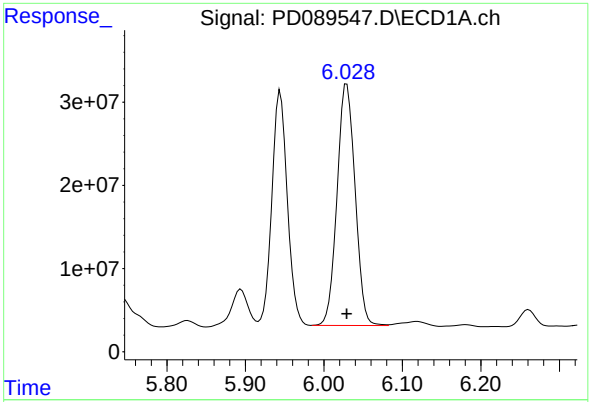
#25 Chlordane-3

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 384734362
Conc: 500.00 ng/ml



#25 Chlordane-3

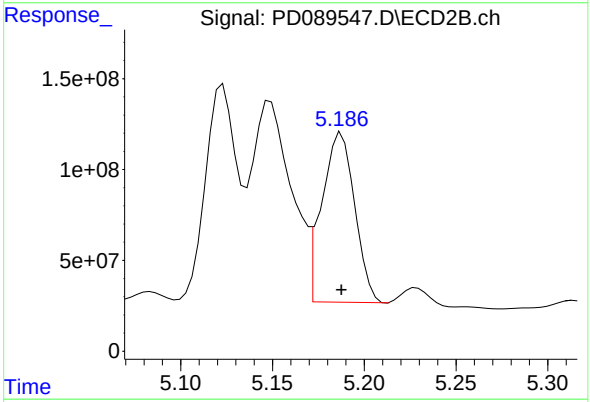
R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 1387289900
Conc: 500.00 ng/ml



#26 Chlordane-4

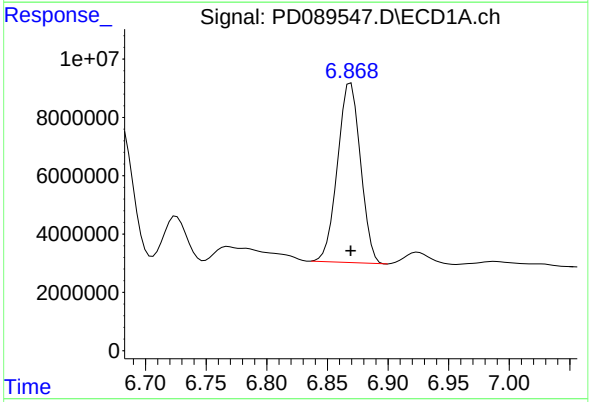
R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 464421533
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



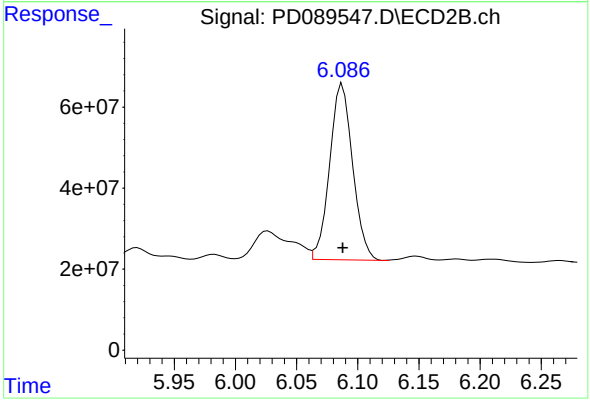
#26 Chlordane-4

R.T.: 5.188 min
Delta R.T.: 0.000 min
Response: 1166286432
Conc: 500.00 ng/ml



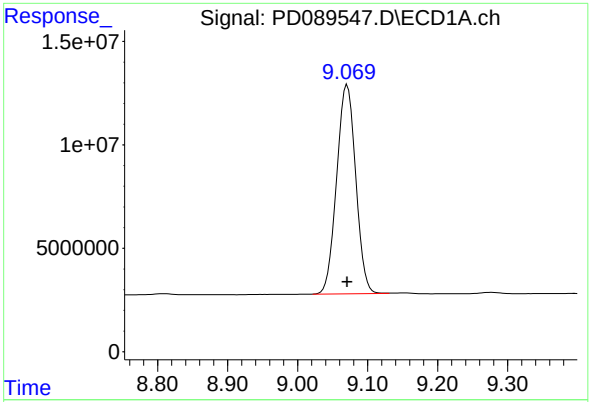
#27 Chlordane-5

R.T.: 6.869 min
Delta R.T.: 0.000 min
Response: 81273058
Conc: 500.00 ng/ml



#27 Chlordane-5

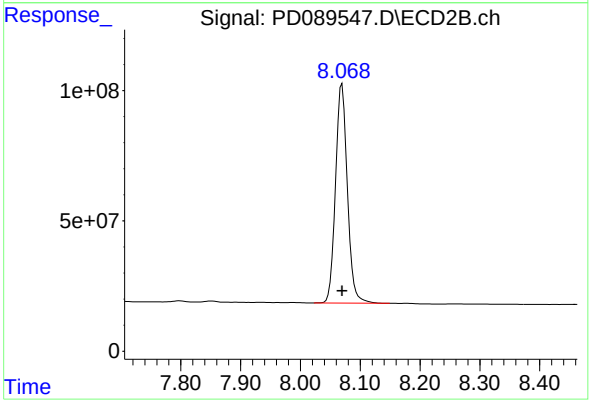
R.T.: 6.088 min
Delta R.T.: 0.000 min
Response: 568647475
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 191372995
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: 0.000 min
Response: 1159232979
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089552.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:32
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 05:11:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 05:10:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.879	142.0E6	951.5E6	50.000	50.000
7)	SA Decachlor...	9.070	8.070	197.1E6	1187.5E6	50.000	50.000
	Target Compounds						
2)	Toxaphene-1	6.240	5.473	19325202	100.0E6	500.000	500.000
3)	Toxaphene-2	6.440	5.644	26533094	65118541	500.000	500.000
4)	Toxaphene-3	7.148	6.754	50447927	333.6E6	500.000	500.000
5)	Toxaphene-4	7.562	7.196	65995374	228.3E6	500.000	500.000
6)	Toxaphene-5	7.928	7.327	36962427	171.5E6	500.000	500.000

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

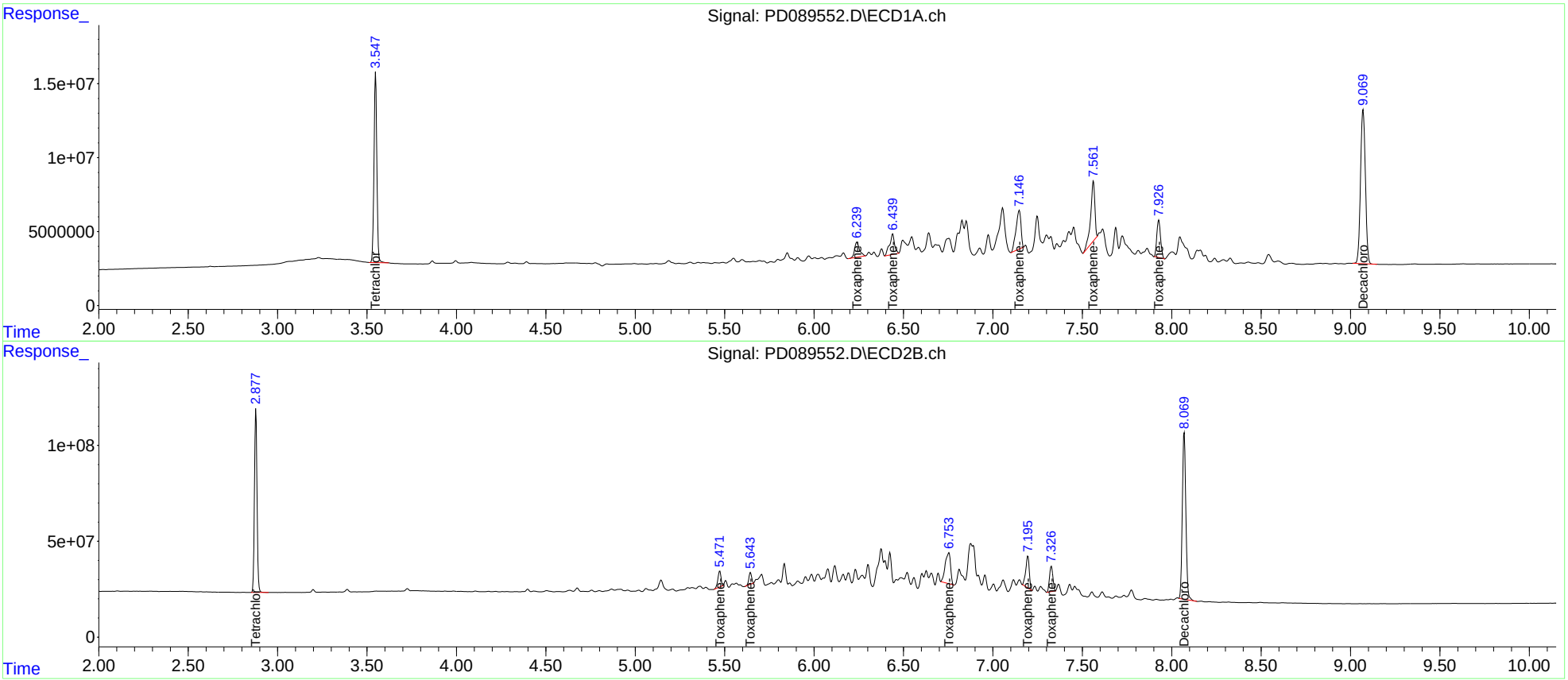
Quantitation Report (QT Reviewed)

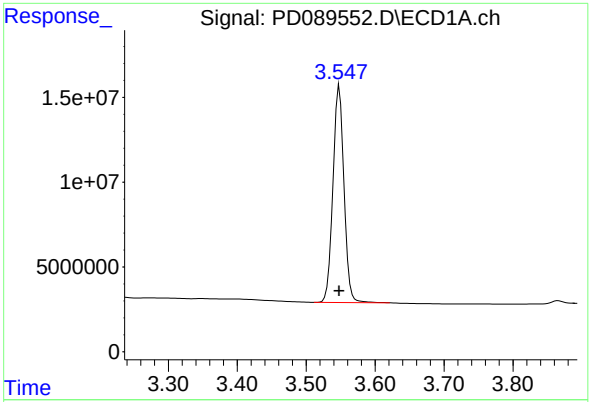
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089552.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:32
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 05:11:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 05:10:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

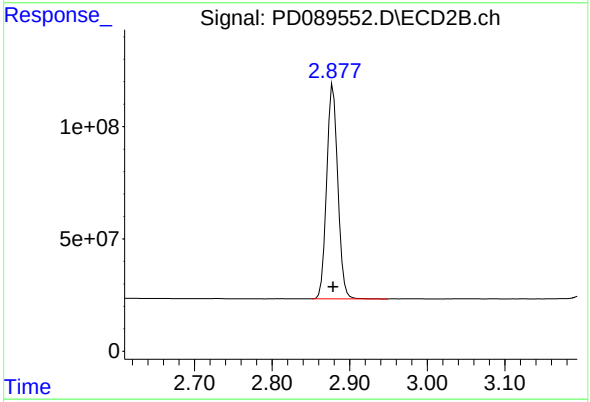




#1 Tetrachloro-m-xylene

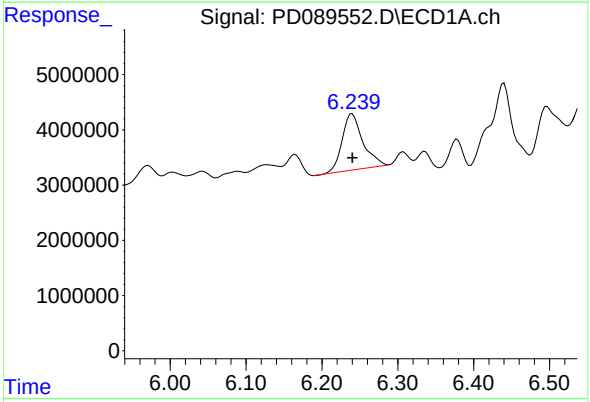
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 141988279
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



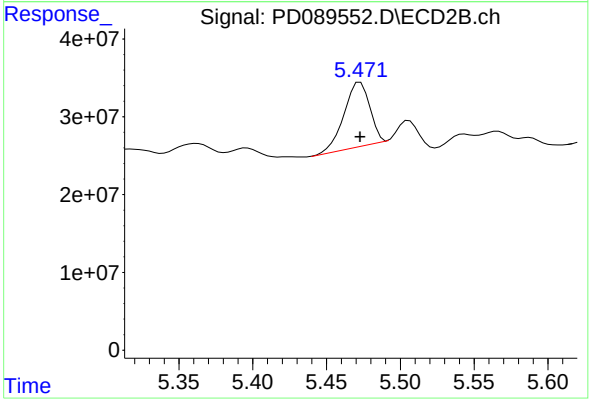
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 951523880
Conc: 50.00 ng/ml



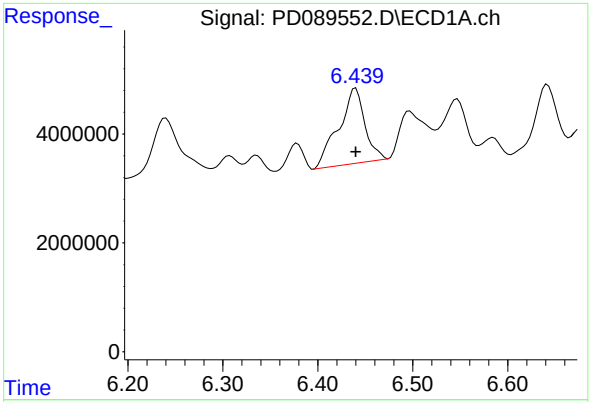
#2 Toxaphene-1

R.T.: 6.240 min
Delta R.T.: 0.000 min
Response: 19325202
Conc: 500.00 ng/ml



#2 Toxaphene-1

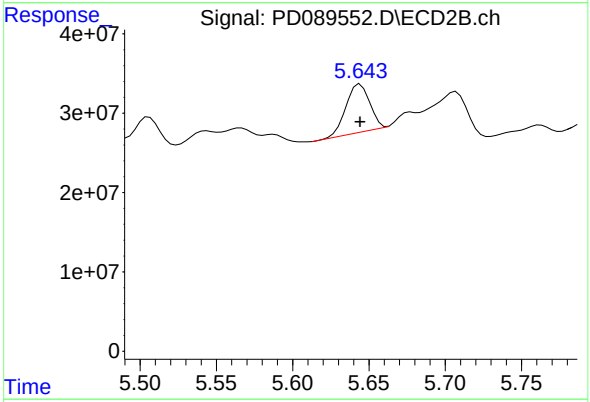
R.T.: 5.473 min
Delta R.T.: 0.000 min
Response: 100049976
Conc: 500.00 ng/ml



#3 Toxaphene-2

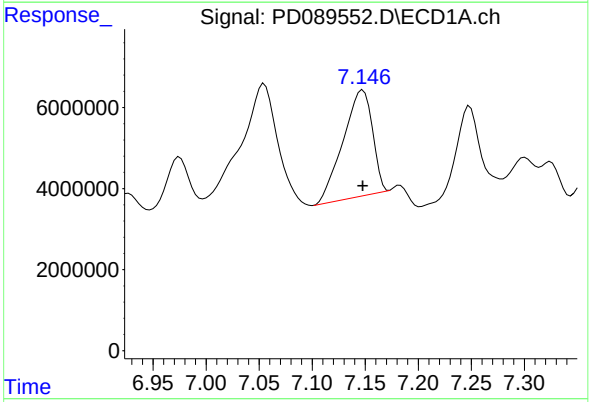
R.T.: 6.440 min
Delta R.T.: 0.000 min
Response: 26533094
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



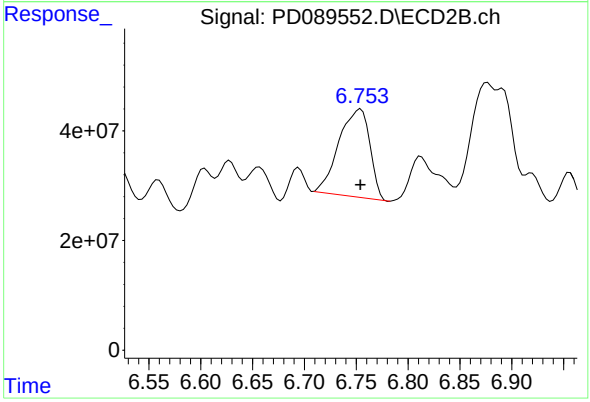
#3 Toxaphene-2

R.T.: 5.644 min
Delta R.T.: 0.000 min
Response: 65118541
Conc: 500.00 ng/ml



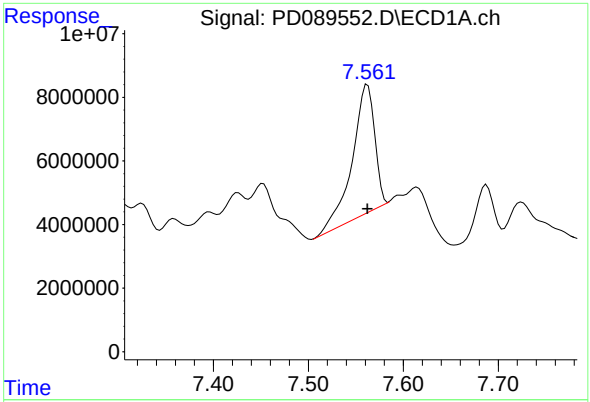
#4 Toxaphene-3

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 50447927
Conc: 500.00 ng/ml



#4 Toxaphene-3

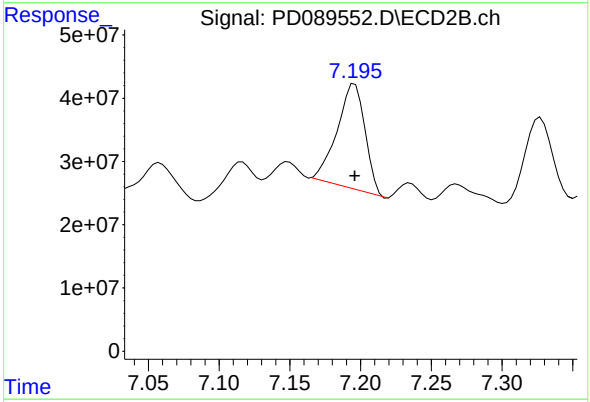
R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 333637075
Conc: 500.00 ng/ml



#5 Toxaphene-4

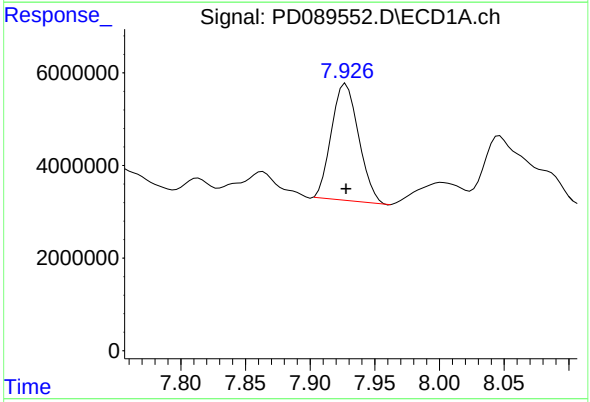
R.T.: 7.562 min
Delta R.T.: 0.000 min
Response: 65995374
Conc: 500.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



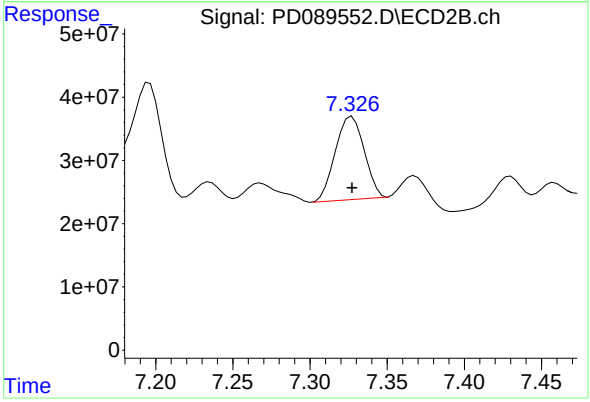
#5 Toxaphene-4

R.T.: 7.196 min
Delta R.T.: 0.000 min
Response: 228335237
Conc: 500.00 ng/ml



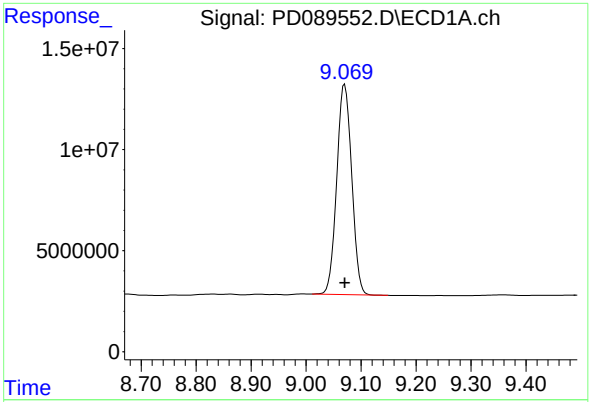
#6 Toxaphene-5

R.T.: 7.928 min
Delta R.T.: 0.000 min
Response: 36962427
Conc: 500.00 ng/ml



#6 Toxaphene-5

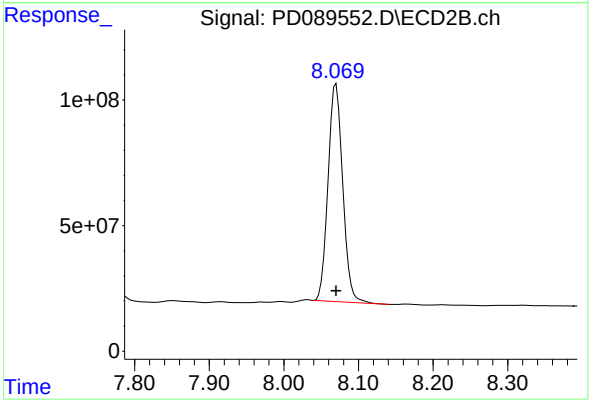
R.T.: 7.327 min
Delta R.T.: 0.000 min
Response: 171464528
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 197137875
Conc: 50.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: 0.000 min
Response: 1187480460
Conc: 50.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089555.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:25
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD072125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 04:42:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.555	2.878	143.7E6	971.9E6	49.883	49.675
28)	SA Decachlor...	9.080	8.072	201.1E6	1226.4E6	48.964	49.919
	Target Compounds						
2)	A alpha-BHC	4.005	3.391	297.7E6	1502.7E6	52.142	50.015
3)	MA gamma-BHC...	4.335	3.727	281.4E6	1385.5E6	50.994	49.904
4)	MA Heptachlor	4.935	4.080	278.6E6	1392.2E6	51.090	49.689
5)	MB Aldrin	5.277	4.367	267.5E6	1366.3E6	51.110	49.891
6)	B beta-BHC	4.522	4.023	106.3E6	588.6E6	49.304	49.448
7)	B delta-BHC	4.770	4.260	270.1E6	1396.1E6	51.107	50.048
8)	B Heptachlo...	5.697	4.870	236.5E6	1233.3E6	50.064	49.607
9)	A Endosulfan I	6.080	5.245	224.0E6	1167.7E6	50.390	49.174
10)	B gamma-Chl...	5.952	5.124	240.0E6	1332.6E6	50.622	49.811
11)	B alpha-Chl...	6.033	5.188	240.2E6	1280.9E6	50.396	49.662
12)	B 4,4'-DDE	6.202	5.374	218.4E6	1307.2E6	50.868	49.788
13)	MA Dieldrin	6.353	5.511	240.4E6	1324.7E6	50.926	50.126
14)	MA Endrin	6.580	5.788	206.9E6	1202.0E6	50.804	49.706
15)	B Endosulfa...	6.792	6.079	203.5E6	1142.8E6	50.012	49.757
16)	A 4,4'-DDD	6.711	5.928	174.5E6	1094.7E6	51.498	49.936
17)	MA 4,4'-DDT	7.027	6.182	192.5E6	1192.7E6	51.031	50.953
18)	B Endrin al...	6.921	6.258	146.9E6	835.1E6	50.396	50.316
19)	B Endosulfa...	7.155	6.481	189.5E6	1109.1E6	50.222	49.962
20)	A Methoxychlor	7.499	6.753	100.7E6	612.6E6	50.211	50.250
21)	B Endrin ke...	7.636	6.990	203.2E6	1230.4E6	50.502	50.241
22)	Mirex	8.119	7.184	151.3E6	957.6E6	49.179	49.538

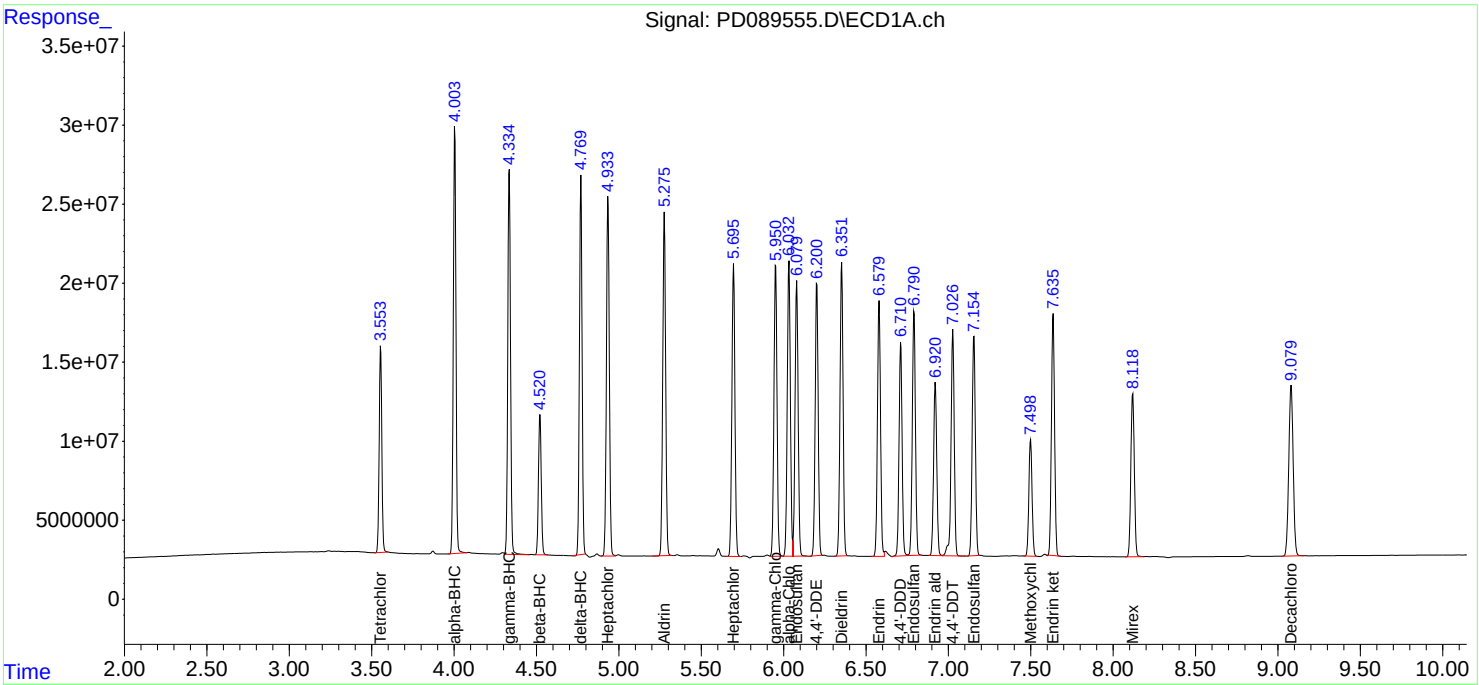
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

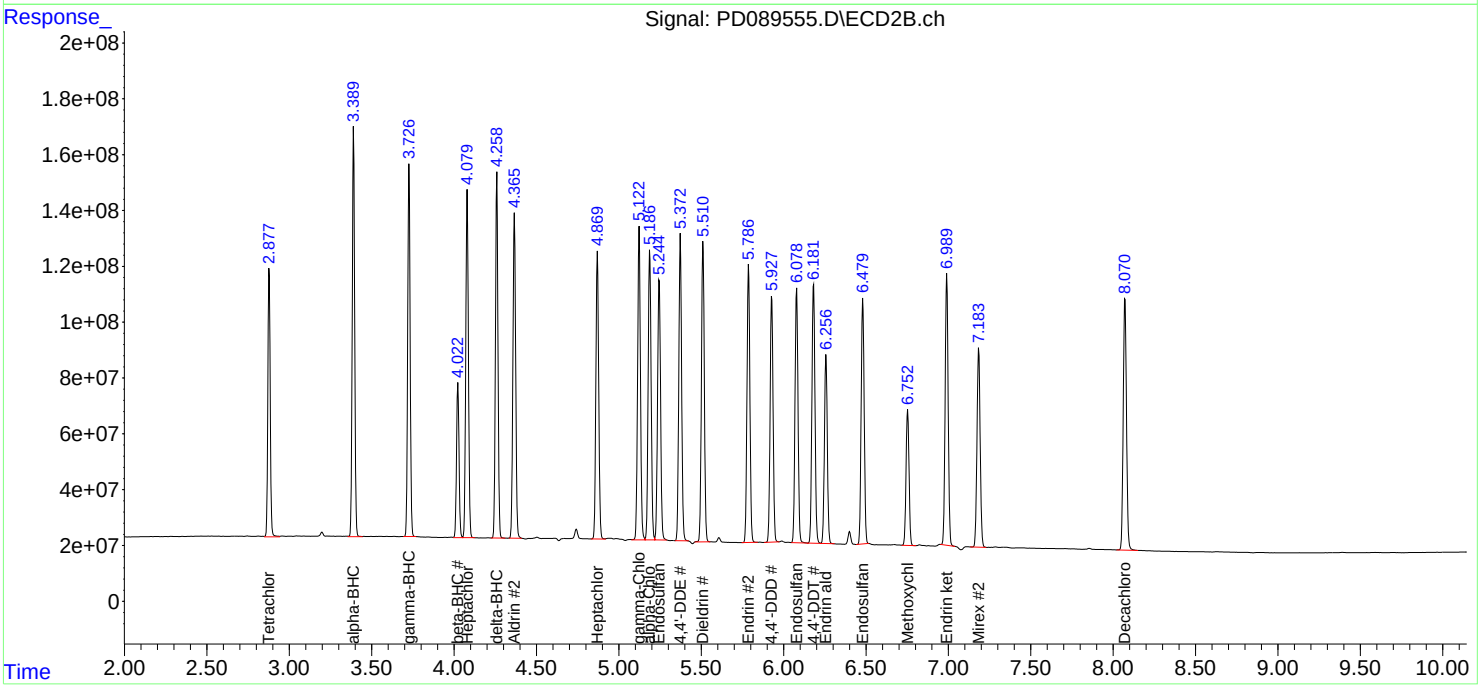
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089555.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:25
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

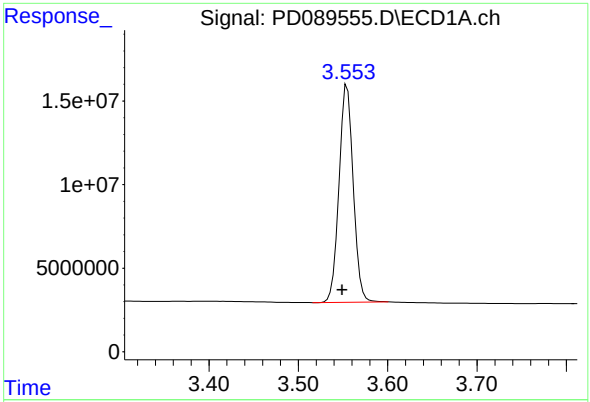
Instrument :
ECD_D
ClientSampleId :
ICVPD072125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 04:42:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



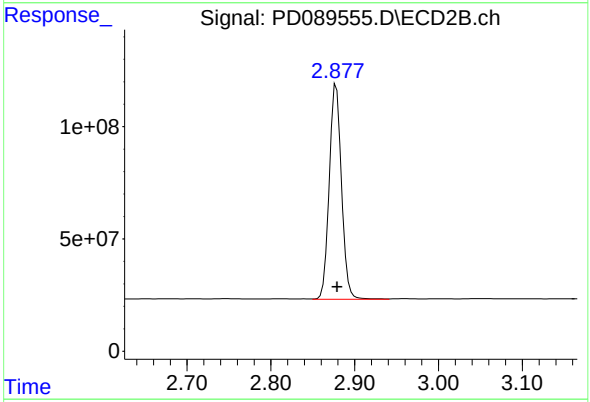




#1 Tetrachloro-m-xylene

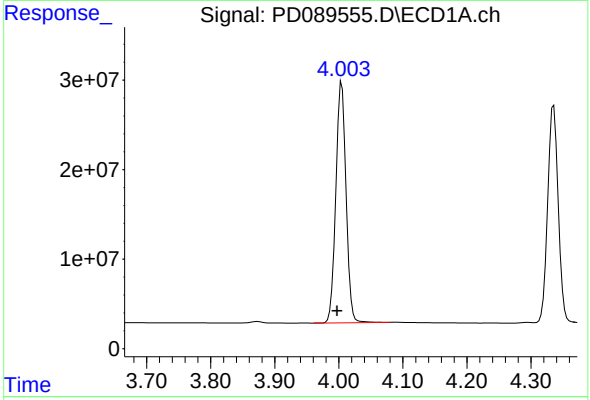
R.T.: 3.555 min
Delta R.T.: 0.006 min
Response: 143732439
Conc: 49.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD072125



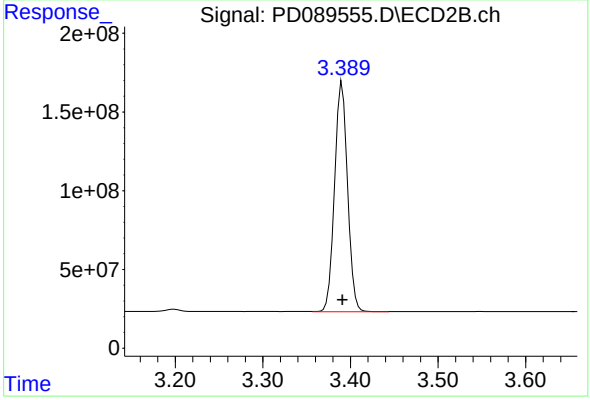
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 971942704
Conc: 49.67 ng/ml



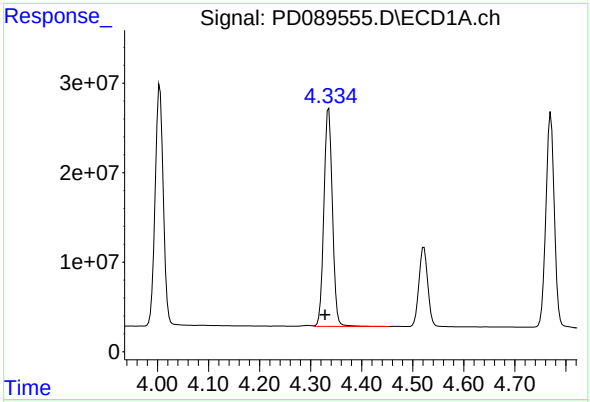
#2 alpha-BHC

R.T.: 4.005 min
Delta R.T.: 0.007 min
Response: 297712356
Conc: 52.14 ng/ml



#2 alpha-BHC

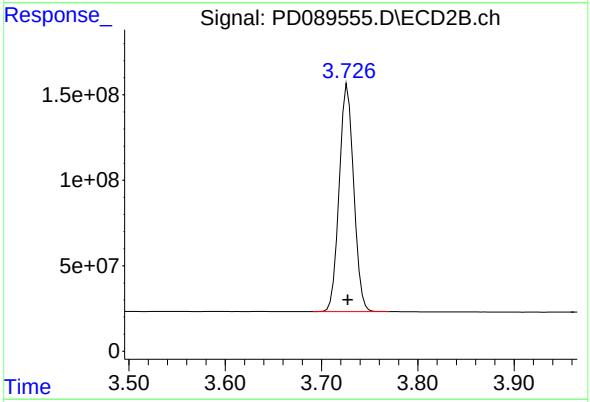
R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 1502674616
Conc: 50.01 ng/ml



#3 gamma-BHC (Lindane)

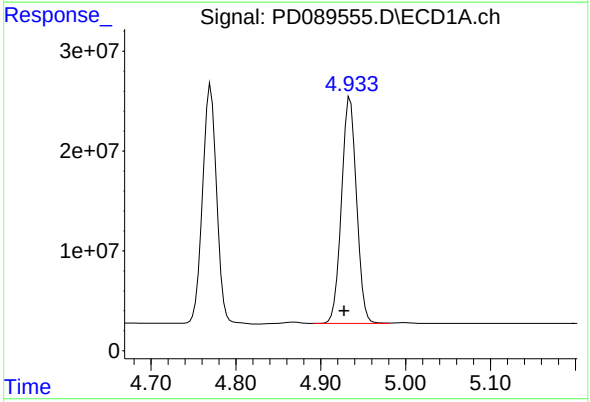
R.T.: 4.335 min
Delta R.T.: 0.007 min
Response: 281358653
Conc: 50.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD072125



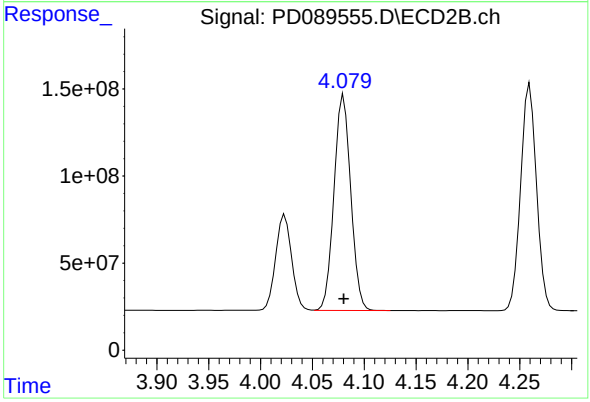
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1385455410
Conc: 49.90 ng/ml



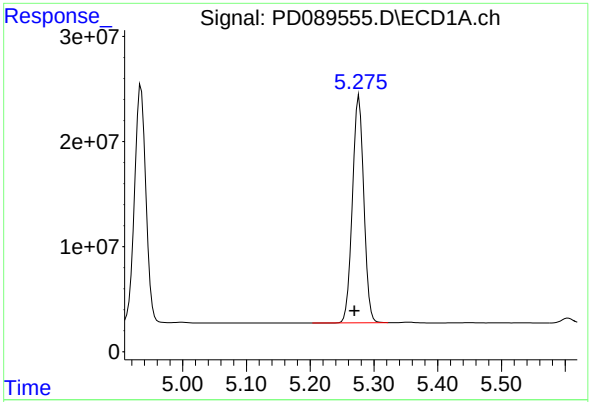
#4 Heptachlor

R.T.: 4.935 min
Delta R.T.: 0.007 min
Response: 278637998
Conc: 51.09 ng/ml



#4 Heptachlor

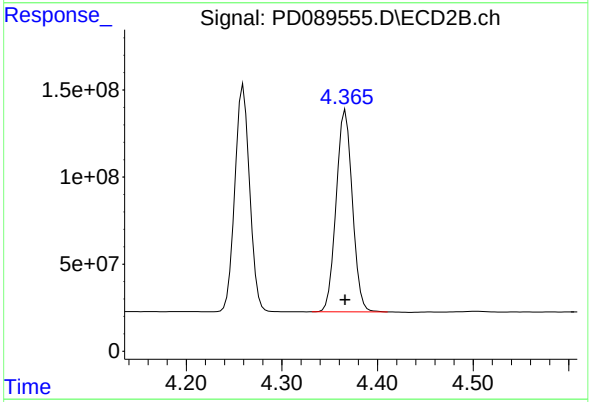
R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 1392205014
Conc: 49.69 ng/ml



#5 Aldrin

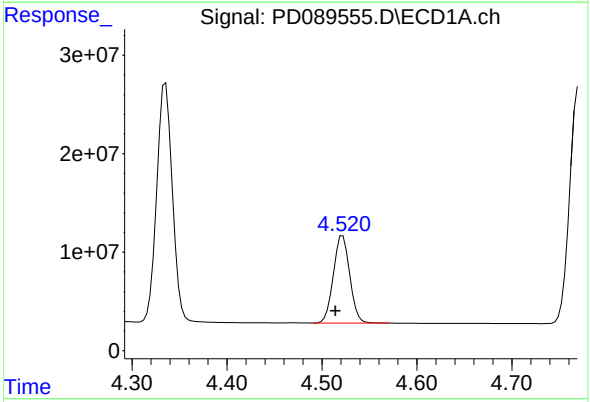
R.T.: 5.277 min
Delta R.T.: 0.008 min
Response: 267454072
Conc: 51.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD072125



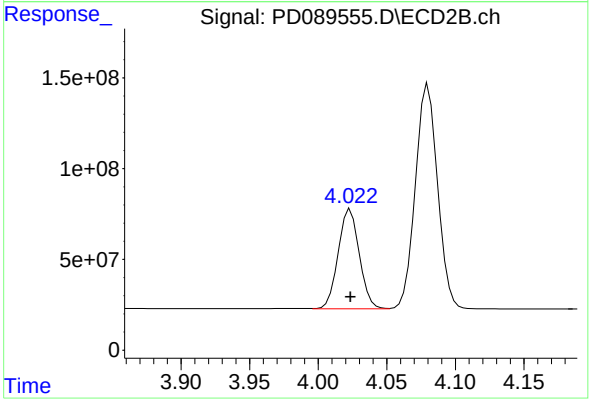
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: 0.000 min
Response: 1366342108
Conc: 49.89 ng/ml



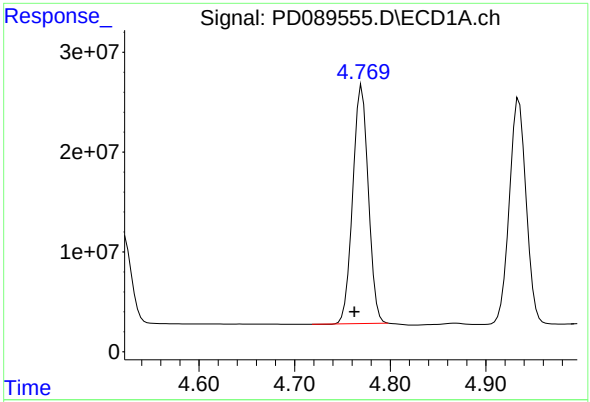
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: 0.008 min
Response: 106306482
Conc: 49.30 ng/ml



#6 beta-BHC

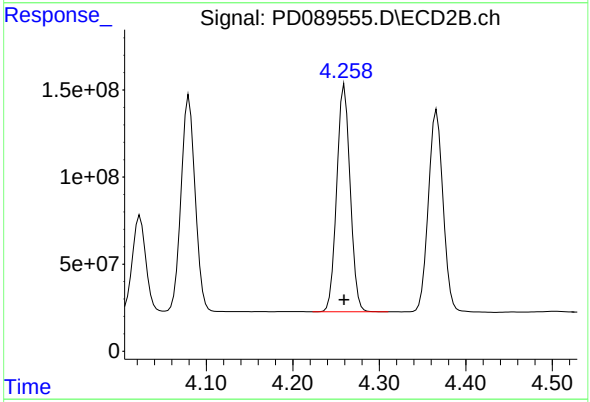
R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 588563824
Conc: 49.45 ng/ml



#7 delta-BHC

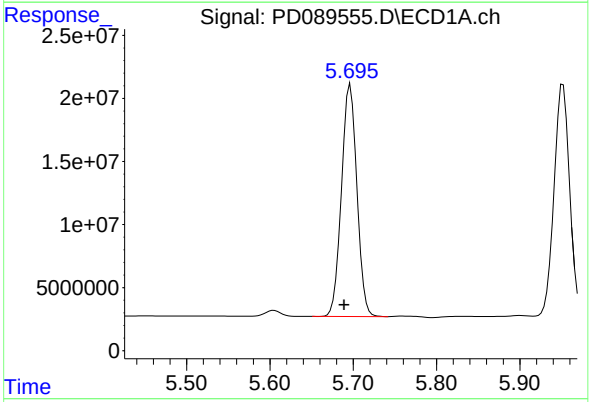
R.T.: 4.770 min
Delta R.T.: 0.008 min
Response: 270109183
Conc: 51.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD072125



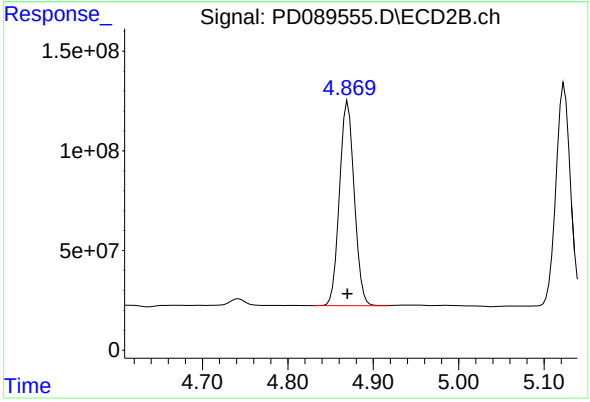
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: 0.000 min
Response: 1396140661
Conc: 50.05 ng/ml



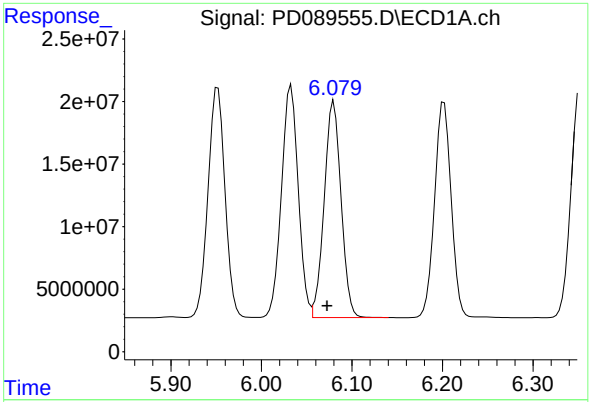
#8 Heptachlor epoxide

R.T.: 5.697 min
Delta R.T.: 0.008 min
Response: 236482595
Conc: 50.06 ng/ml



#8 Heptachlor epoxide

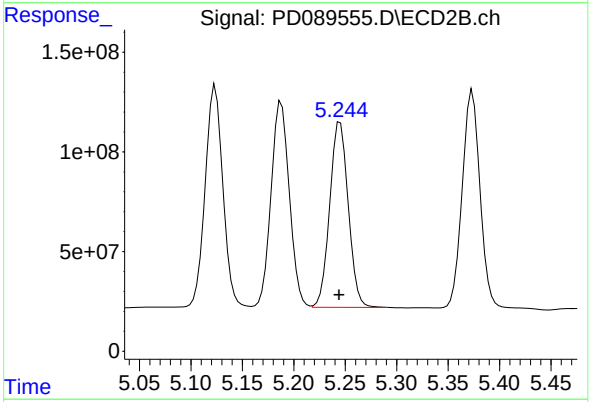
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 1233300214
Conc: 49.61 ng/ml



#9 Endosulfan I

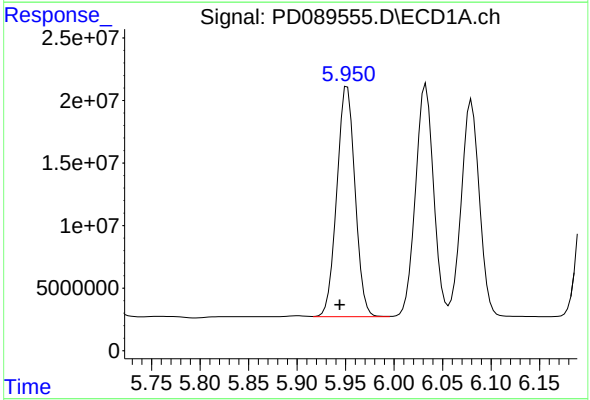
R.T.: 6.080 min
Delta R.T.: 0.007 min
Response: 224014330
Conc: 50.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD072125



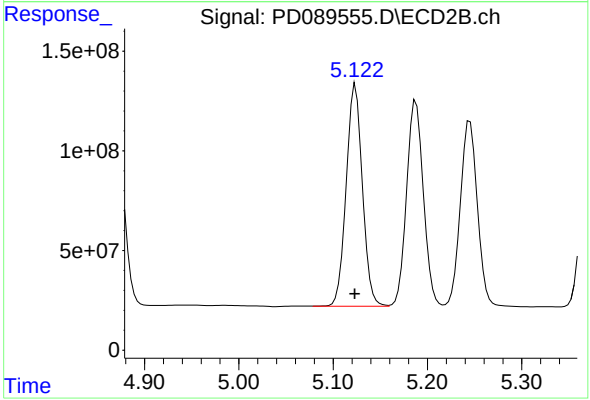
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: 0.001 min
Response: 1167685327
Conc: 49.17 ng/ml



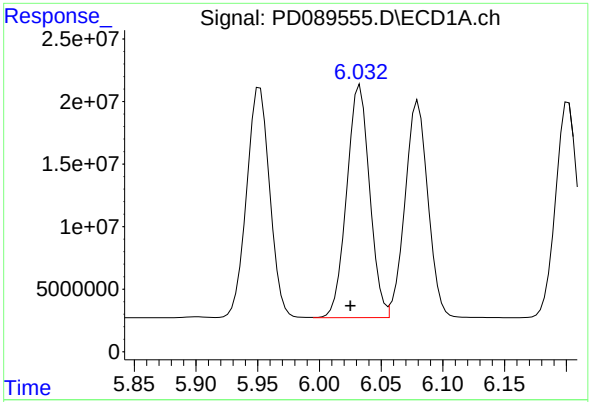
#10 gamma-Chlordane

R.T.: 5.952 min
Delta R.T.: 0.008 min
Response: 240000109
Conc: 50.62 ng/ml



#10 gamma-Chlordane

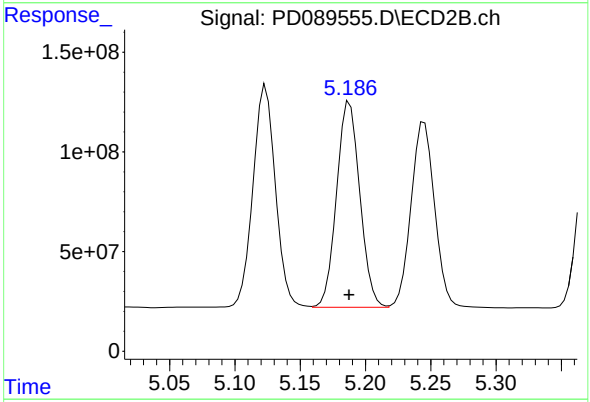
R.T.: 5.124 min
Delta R.T.: 0.000 min
Response: 1332588918
Conc: 49.81 ng/ml



#11 alpha-Chlordane

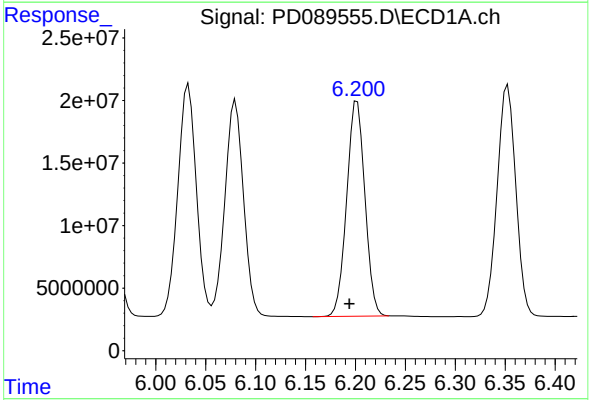
R.T.: 6.033 min
Delta R.T.: 0.008 min
Response: 240222273
Conc: 50.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD072125



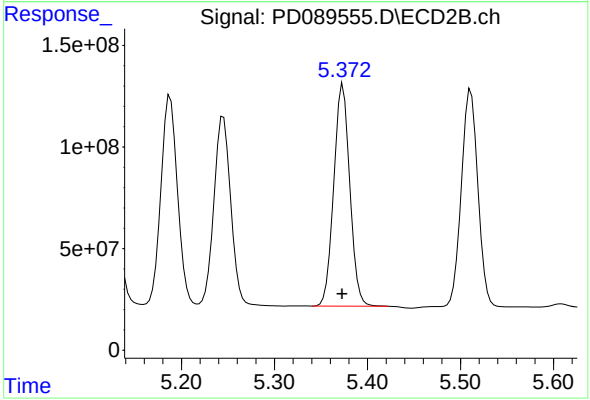
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: 0.000 min
Response: 1280880623
Conc: 49.66 ng/ml



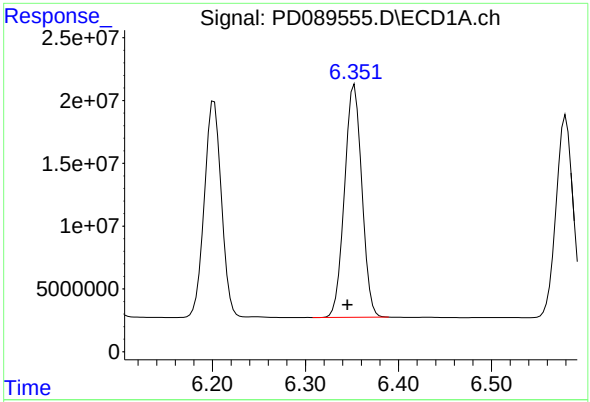
#12 4,4'-DDE

R.T.: 6.202 min
Delta R.T.: 0.008 min
Response: 218418892
Conc: 50.87 ng/ml



#12 4,4'-DDE

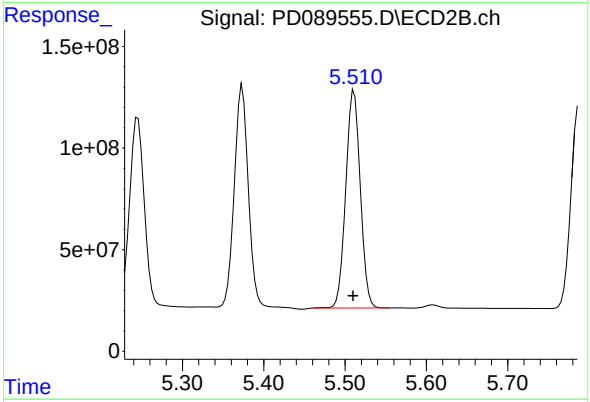
R.T.: 5.374 min
Delta R.T.: 0.001 min
Response: 1307237161
Conc: 49.79 ng/ml



#13 Dieldrin

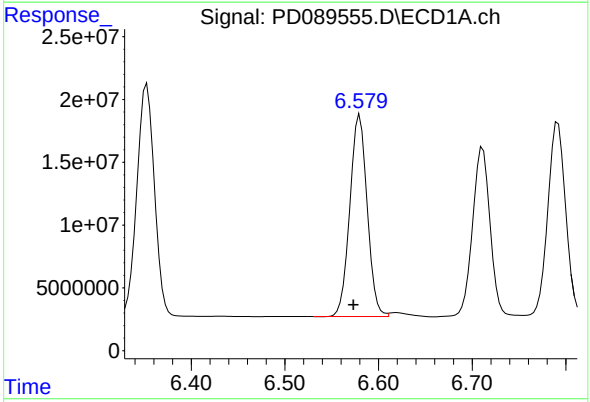
R.T.: 6.353 min
Delta R.T.: 0.008 min
Response: 240406045
Conc: 50.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD072125



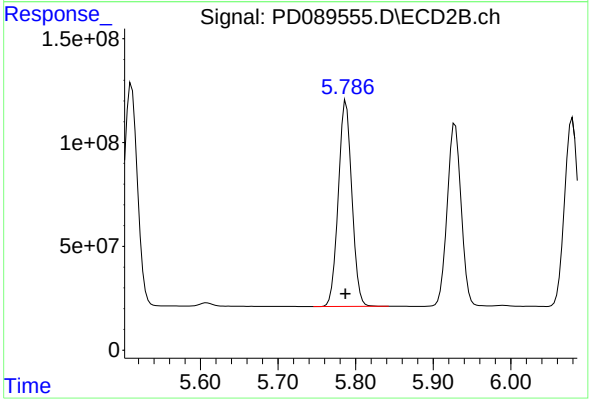
#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: 0.001 min
Response: 1324662344
Conc: 50.13 ng/ml



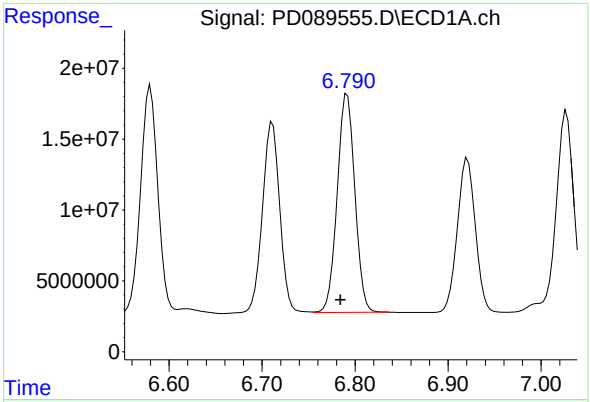
#14 Endrin

R.T.: 6.580 min
Delta R.T.: 0.007 min
Response: 206900320
Conc: 50.80 ng/ml



#14 Endrin

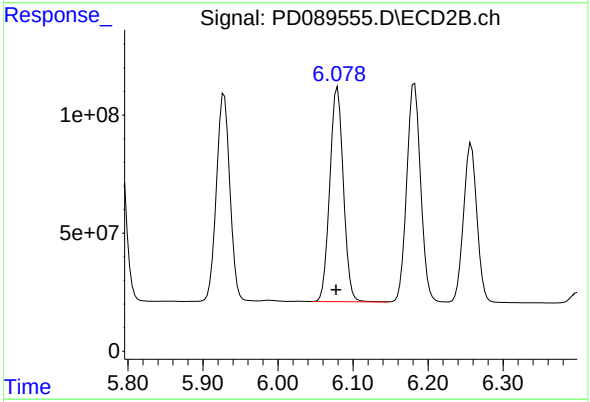
R.T.: 5.788 min
Delta R.T.: 0.000 min
Response: 1201961478
Conc: 49.71 ng/ml



#15 Endosulfan II

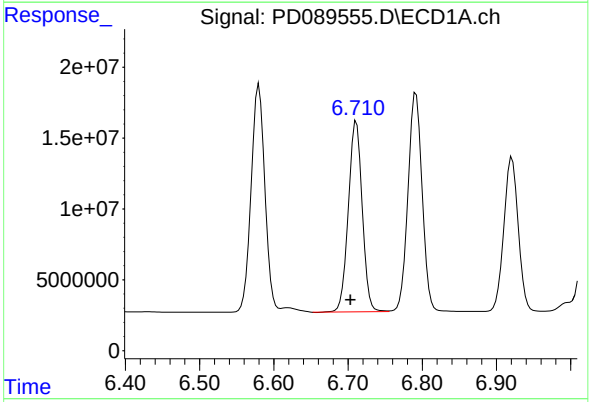
R.T.: 6.792 min
Delta R.T.: 0.007 min
Response: 203494231
Conc: 50.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD072125



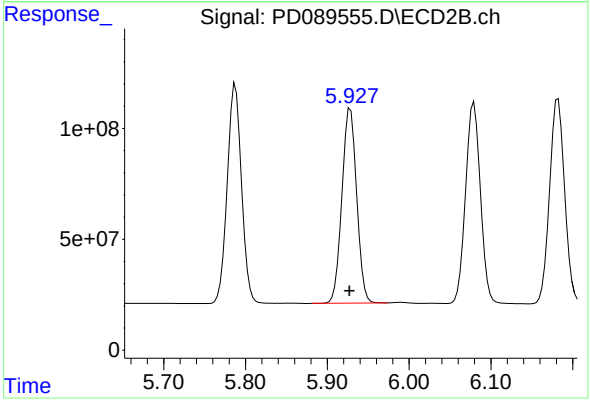
#15 Endosulfan II

R.T.: 6.079 min
Delta R.T.: 0.002 min
Response: 1142816592
Conc: 49.76 ng/ml



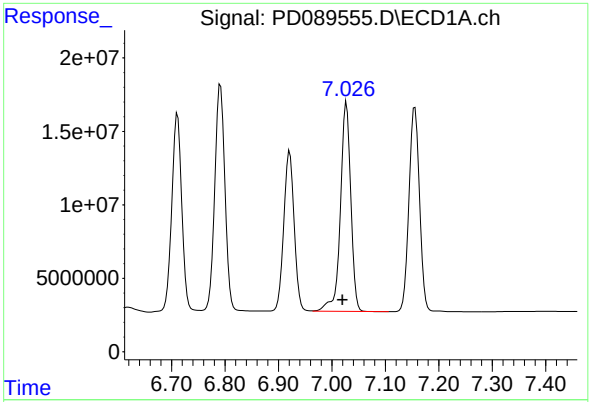
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.008 min
Response: 174514030
Conc: 51.50 ng/ml



#16 4,4'-DDD

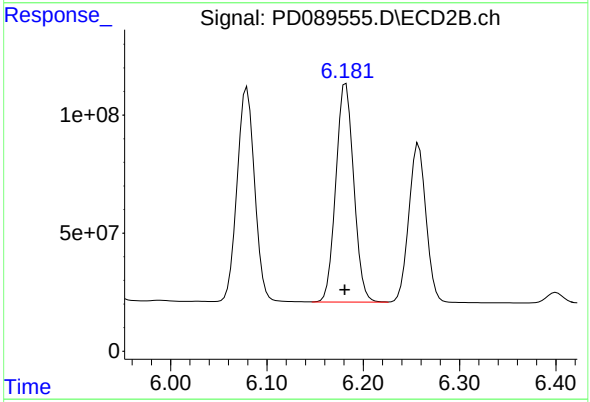
R.T.: 5.928 min
Delta R.T.: 0.001 min
Response: 1094687682
Conc: 49.94 ng/ml



#17 4,4'-DDT

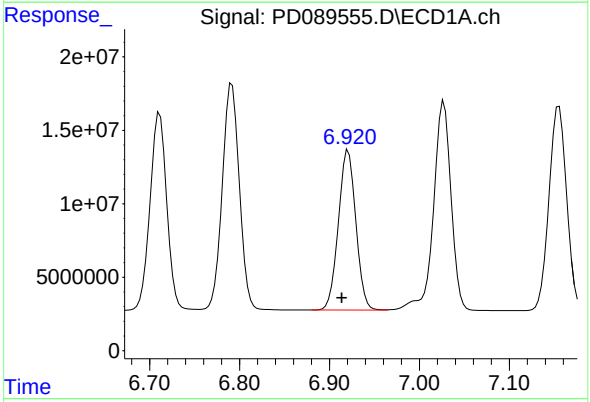
R.T.: 7.027 min
Delta R.T.: 0.008 min
Response: 192538565
Conc: 51.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD072125



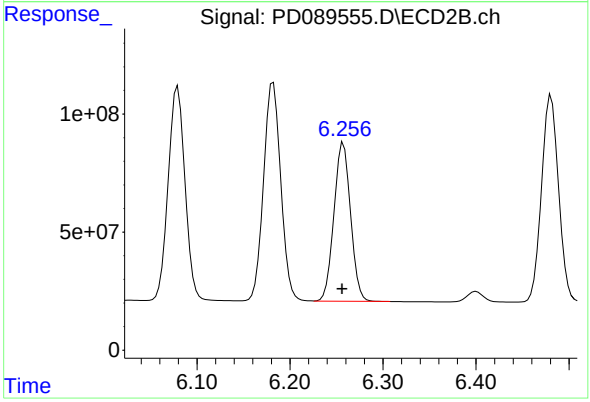
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: 0.001 min
Response: 1192653117
Conc: 50.95 ng/ml



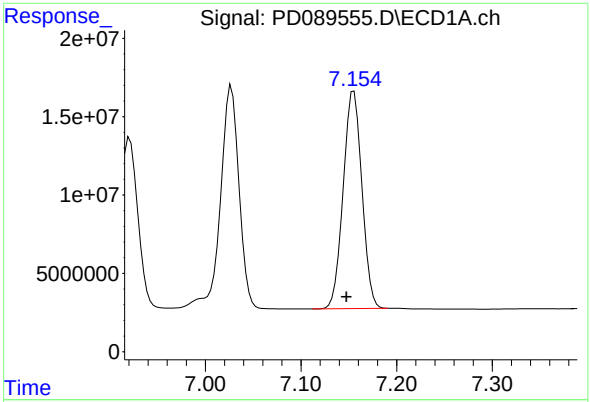
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: 0.007 min
Response: 146935572
Conc: 50.40 ng/ml



#18 Endrin aldehyde

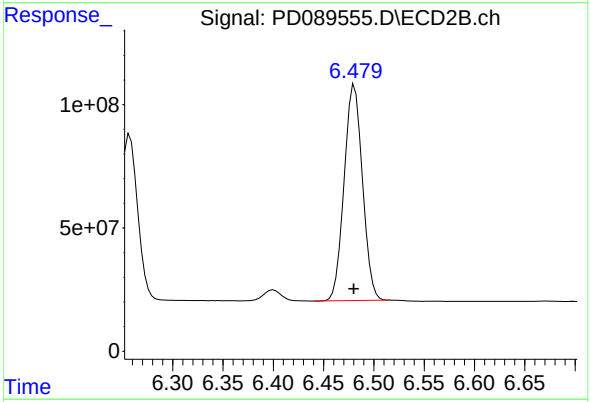
R.T.: 6.258 min
Delta R.T.: 0.001 min
Response: 835118568
Conc: 50.32 ng/ml



#19 Endosulfan Sulfate

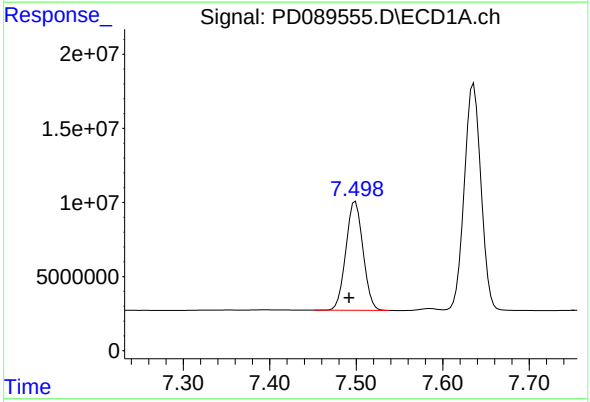
R.T.: 7.155 min
Delta R.T.: 0.008 min
Response: 189545042
Conc: 50.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD072125



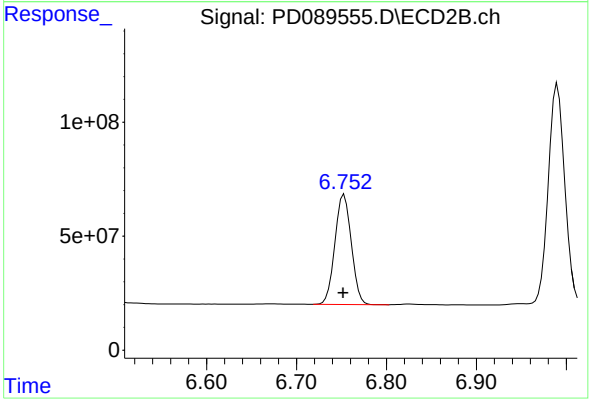
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: 0.000 min
Response: 1109056008
Conc: 49.96 ng/ml



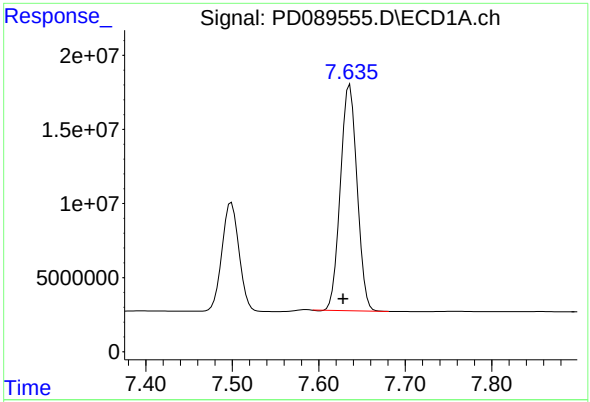
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.007 min
Response: 100668257
Conc: 50.21 ng/ml



#20 Methoxychlor

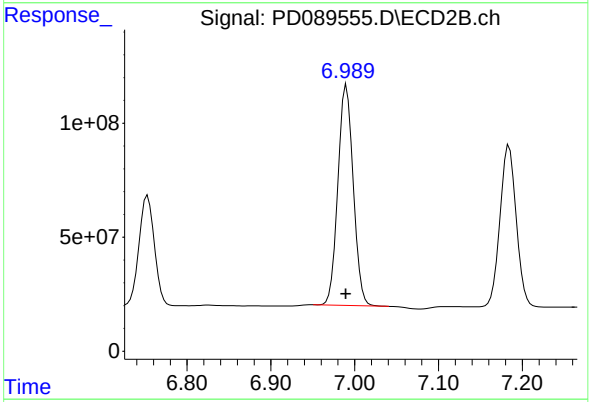
R.T.: 6.753 min
Delta R.T.: 0.001 min
Response: 612649620
Conc: 50.25 ng/ml



#21 Endrin ketone

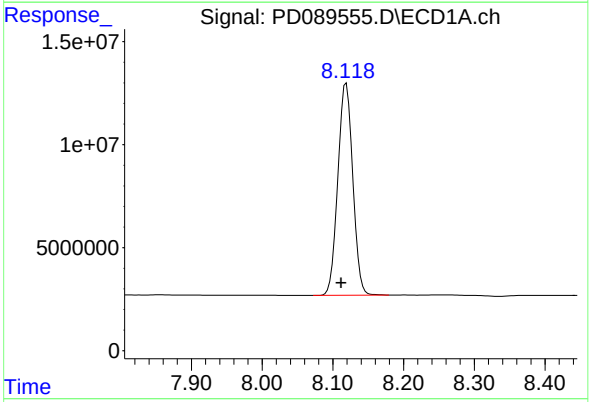
R.T.: 7.636 min
Delta R.T.: 0.008 min
Response: 203231388
Conc: 50.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD072125



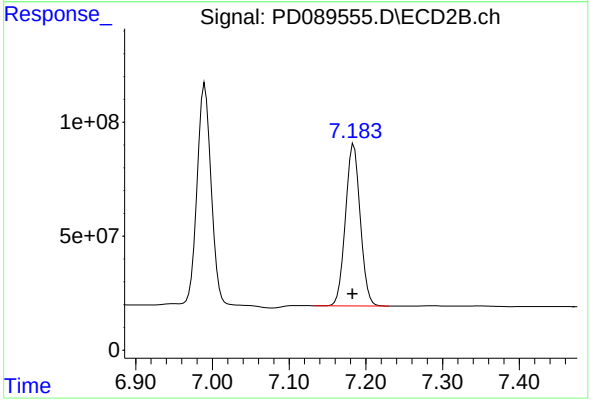
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: 0.000 min
Response: 1230358275
Conc: 50.24 ng/ml



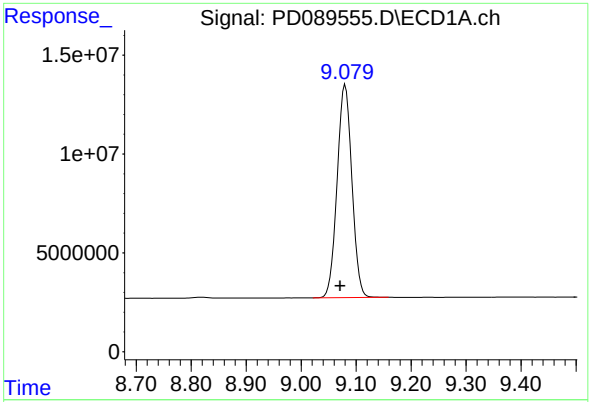
#22 Mirex

R.T.: 8.119 min
Delta R.T.: 0.007 min
Response: 151284111
Conc: 49.18 ng/ml



#22 Mirex

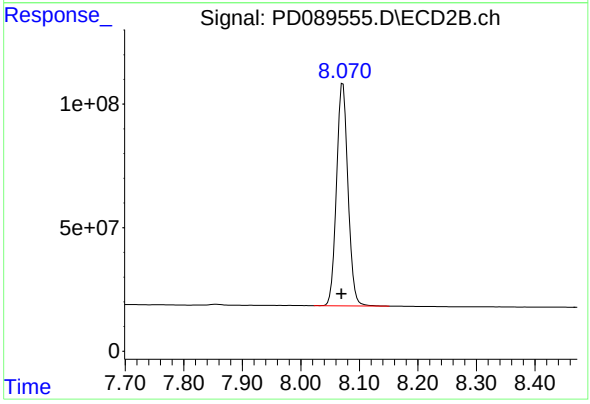
R.T.: 7.184 min
Delta R.T.: 0.002 min
Response: 957551311
Conc: 49.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.080 min
Delta R.T.: 0.010 min
Response: 201098640
Conc: 48.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
ICVPD072125



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.002 min
Response: 1226431617
Conc: 49.92 ng/ml

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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.: Q2639
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.: Q2639
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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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: NOBI03
SDG NO.: Q2639
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.: Q2639
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.:** Q2639

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.:** Q2639

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

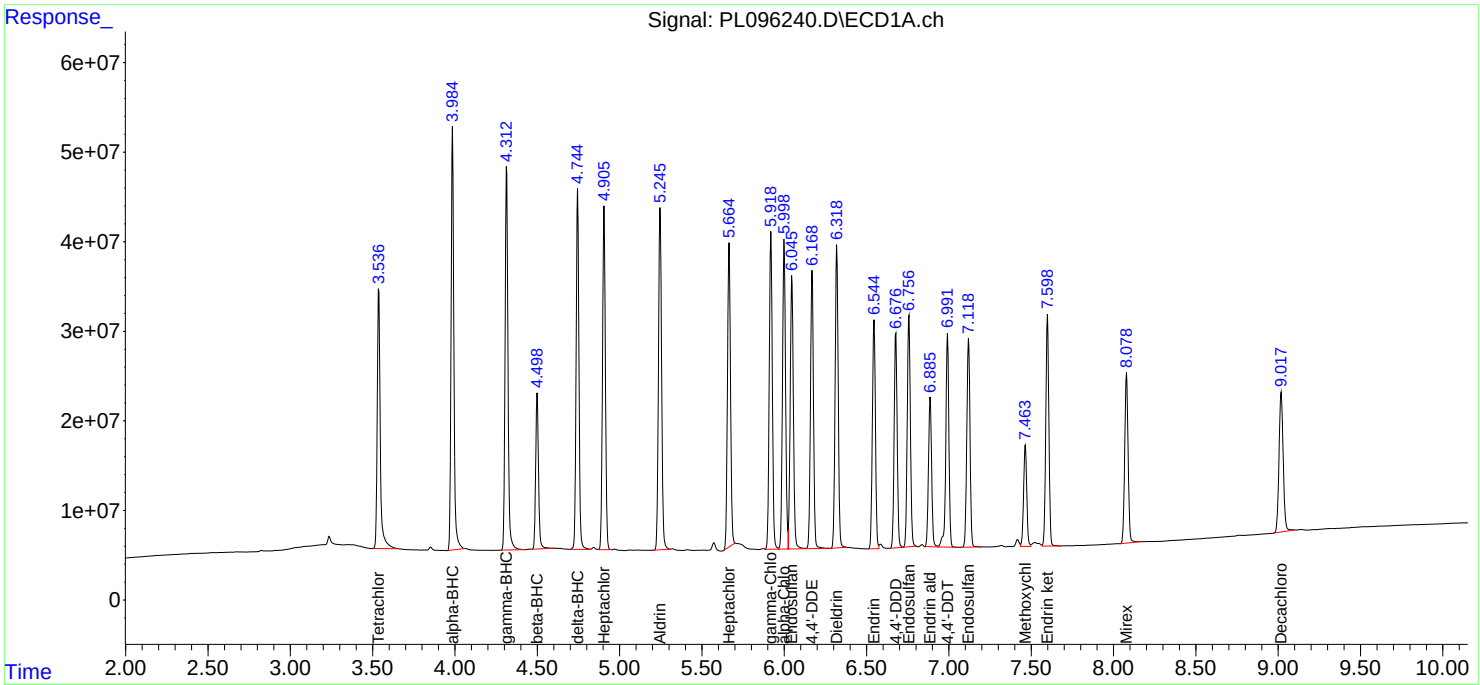
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

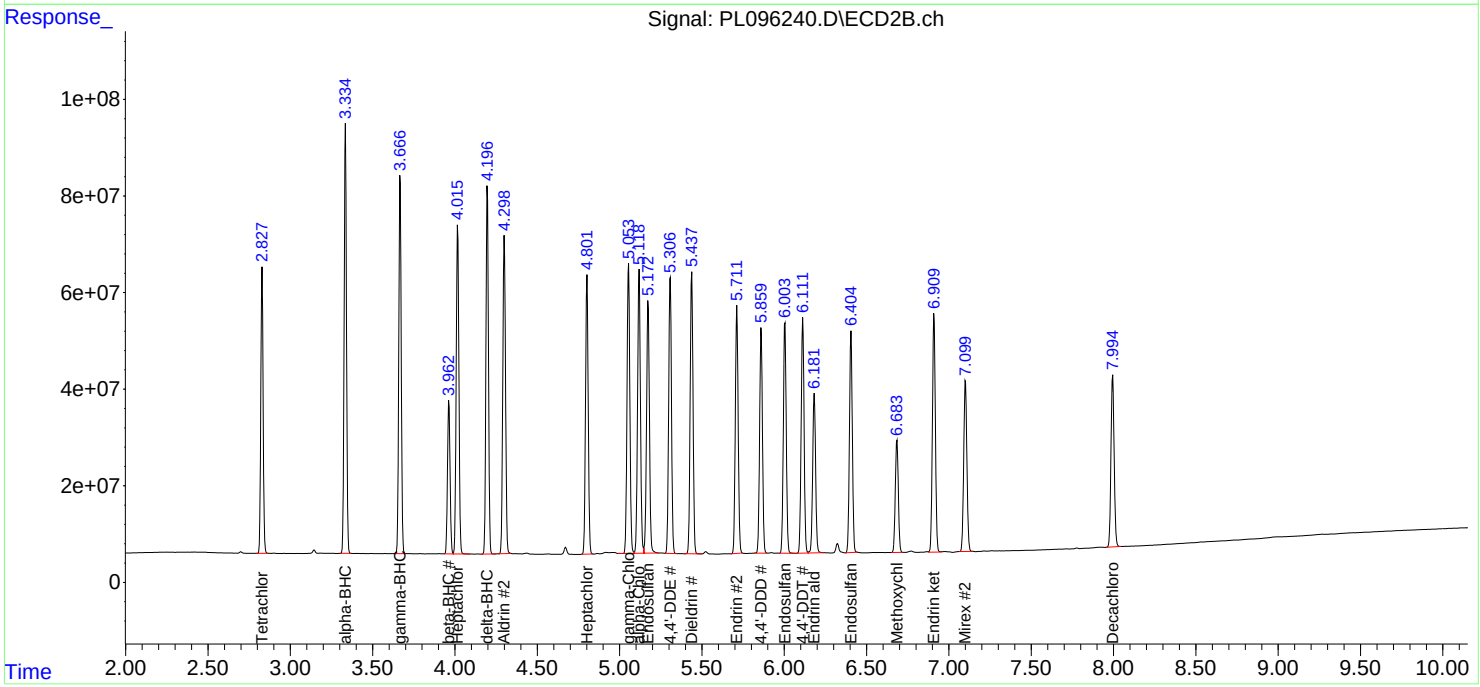
Manual Integrations APPROVED

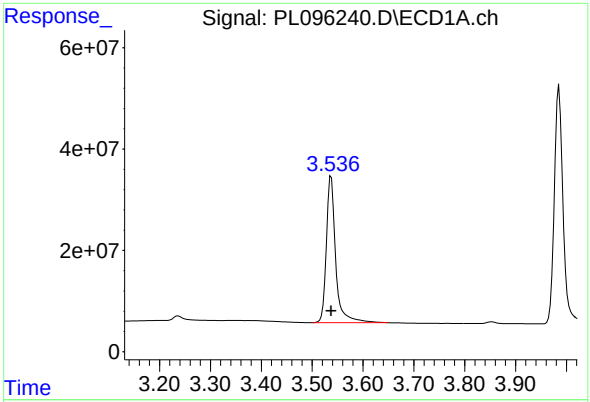
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

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







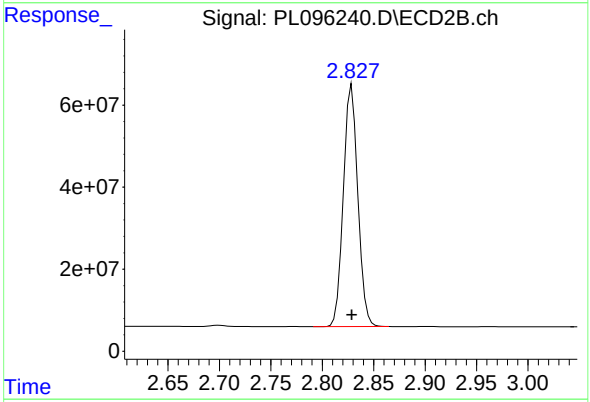
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

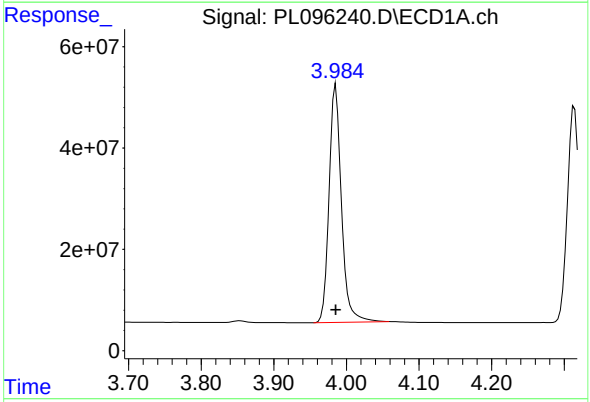
Manual Integrations APPROVED

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



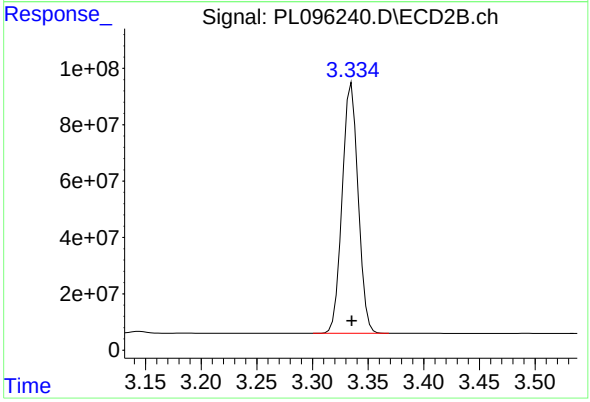
#1 Tetrachloro-m-xylene

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



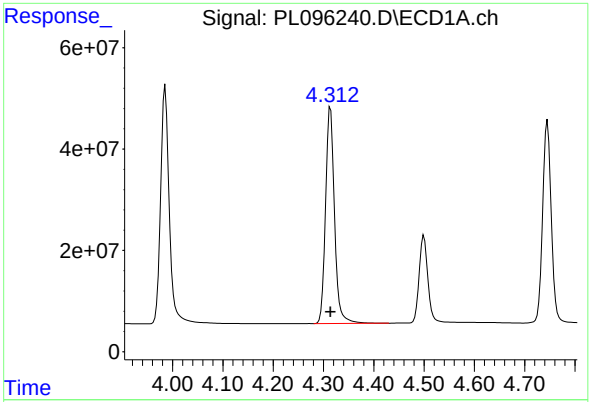
#2 alpha-BHC

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
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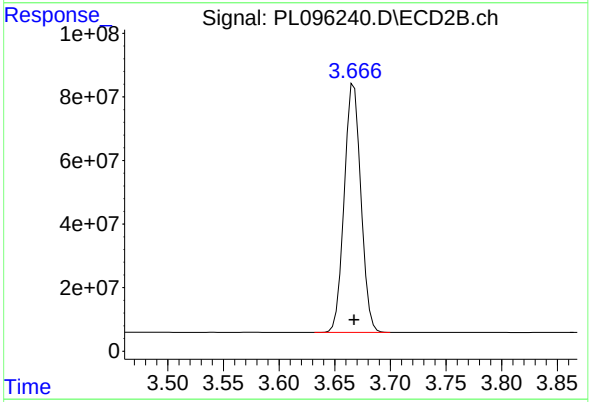
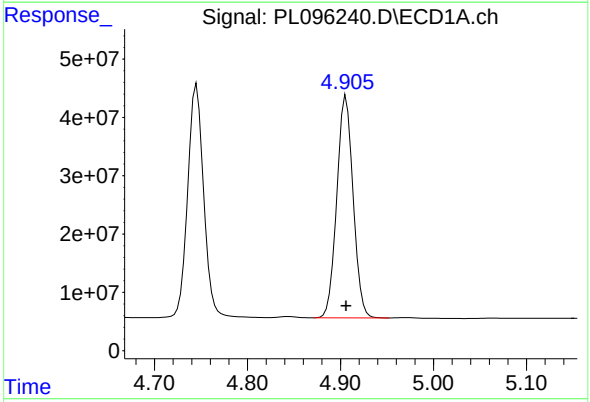


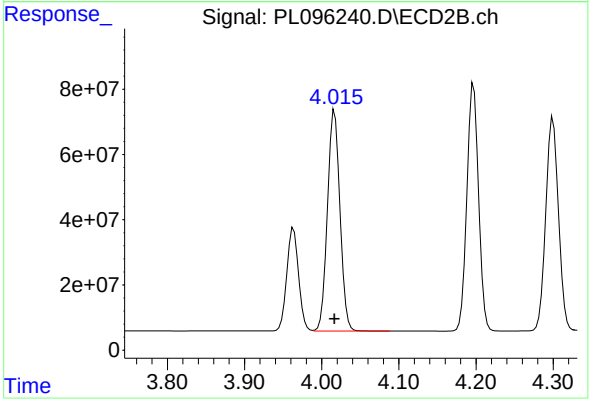
#3 gamma-BHC (Lindane)

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



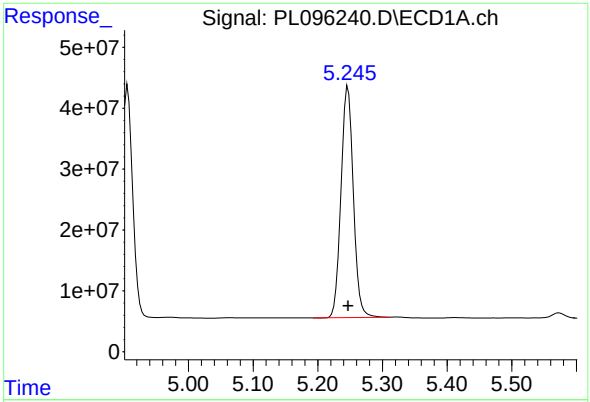
#4 Heptachlor

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
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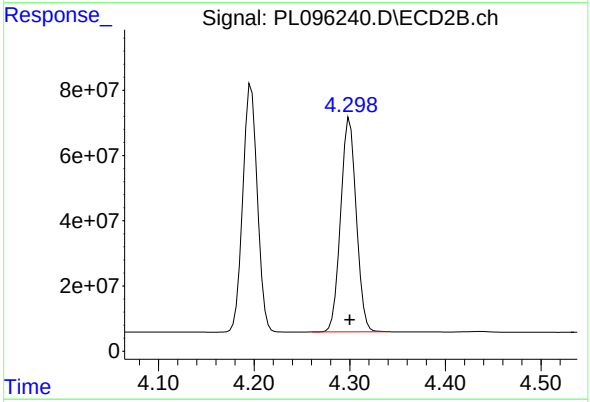
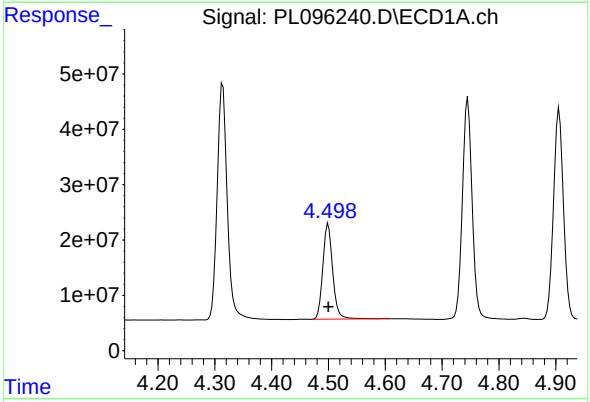


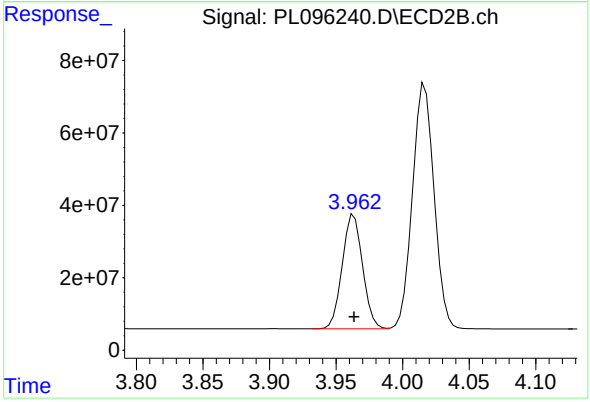
#5 Aldrin

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



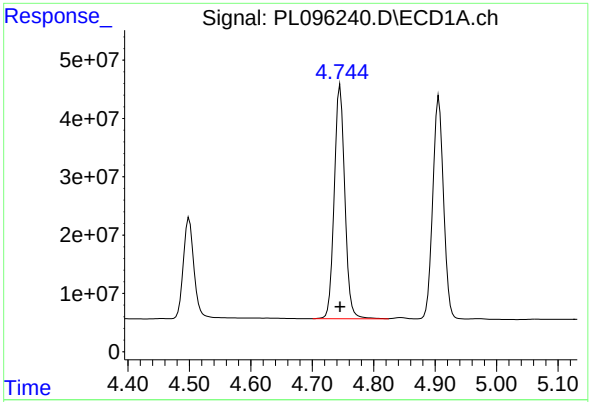
#6 beta-BHC

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
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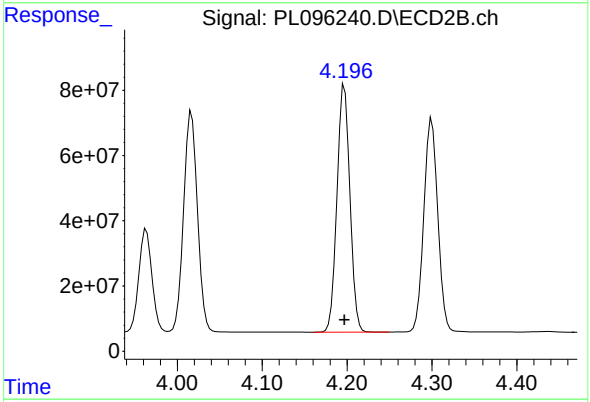
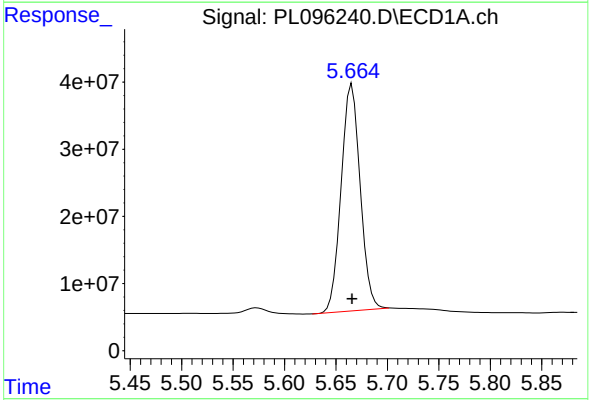


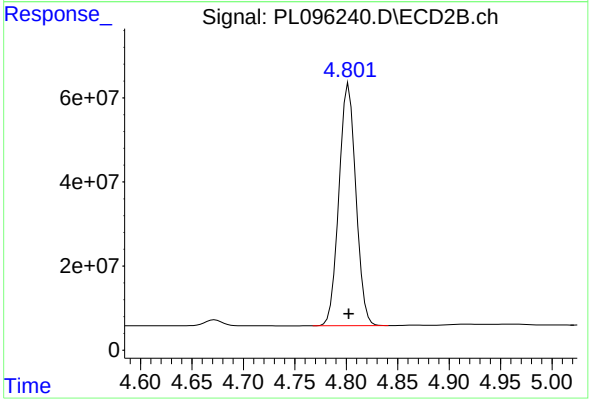
#7 delta-BHC

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



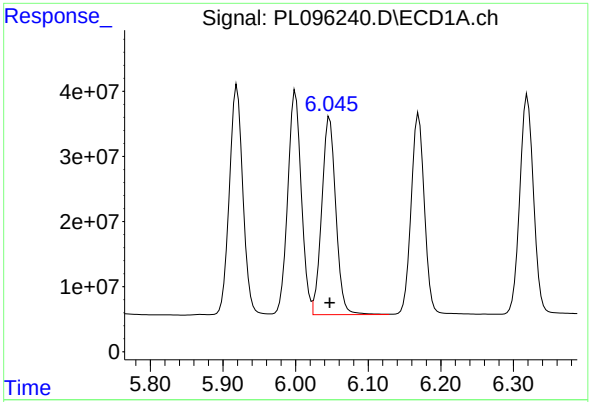
#8 Heptachlor epoxide

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 :
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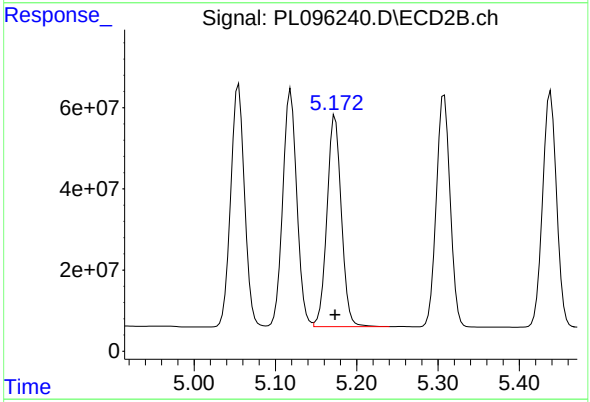
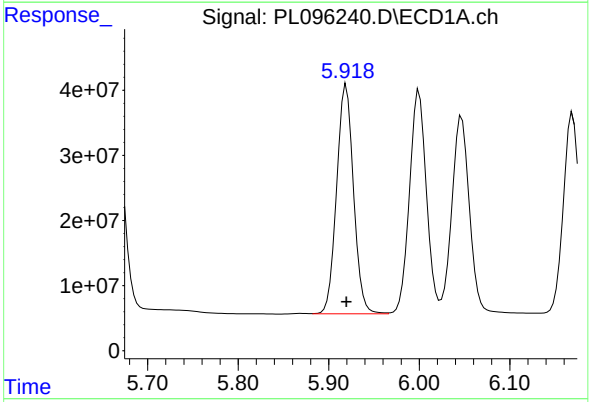


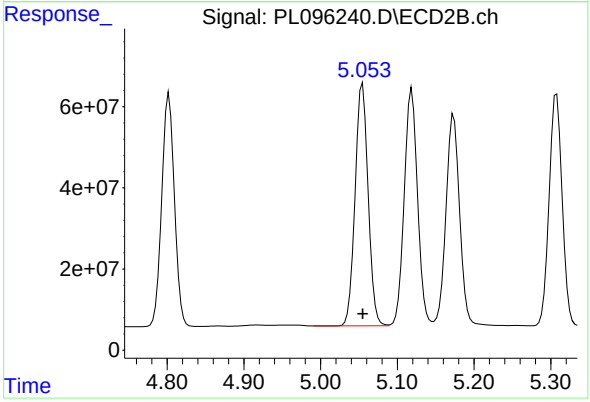
#9 Endosulfan I

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



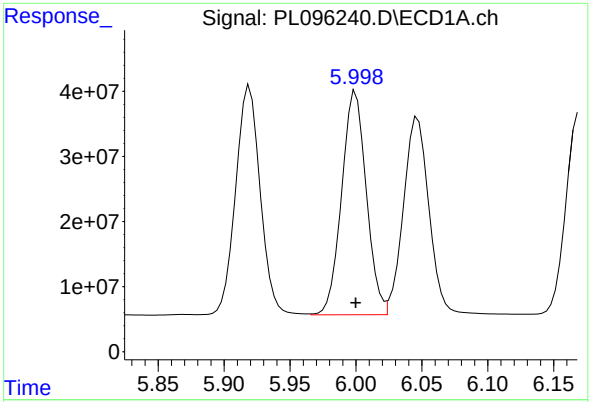
#10 gamma-Chlordane

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 :
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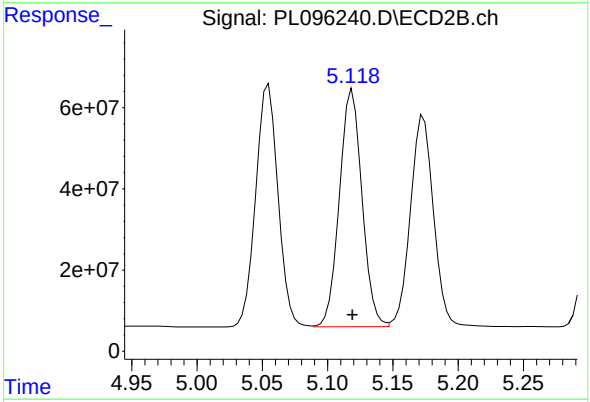
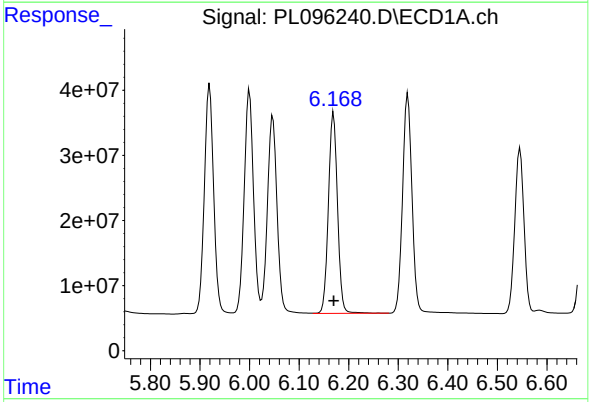


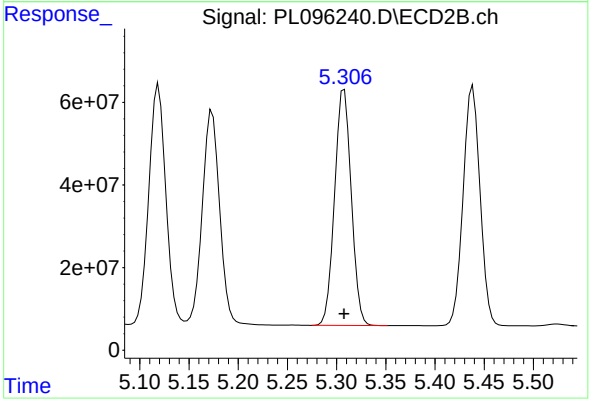
#11 alpha-Chlordane

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



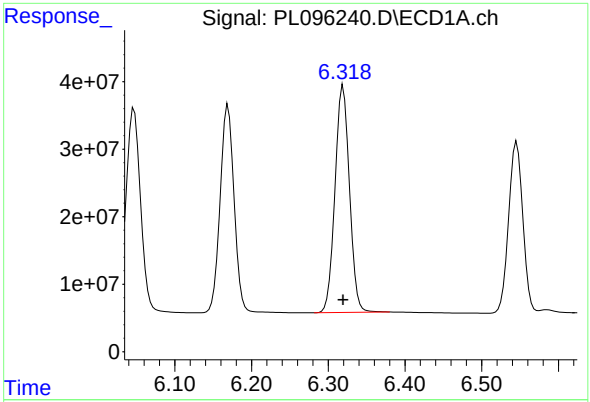
#12 4,4'-DDE

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
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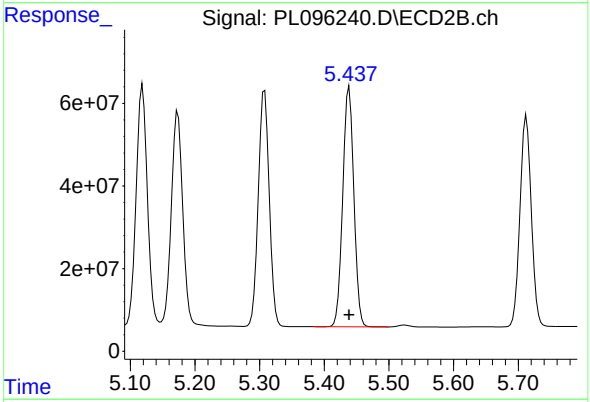
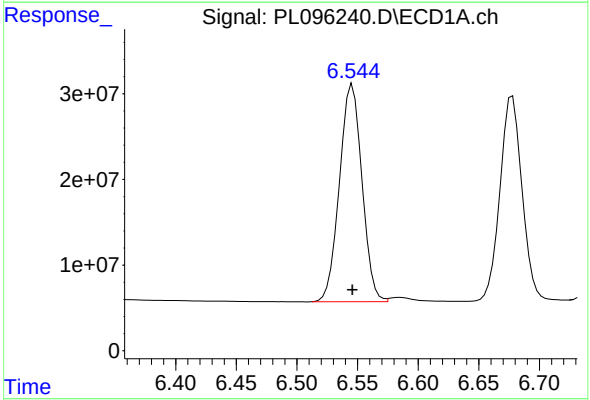


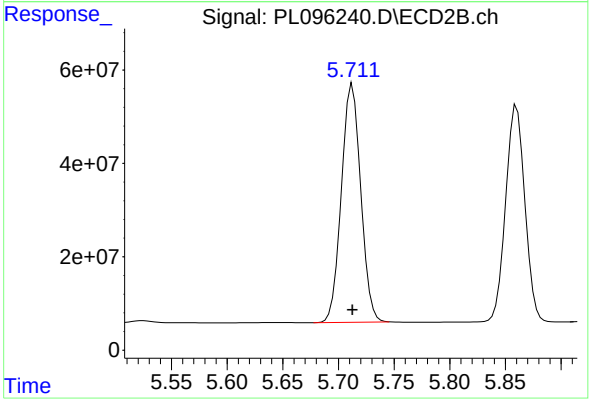
#13 Dieldrin

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



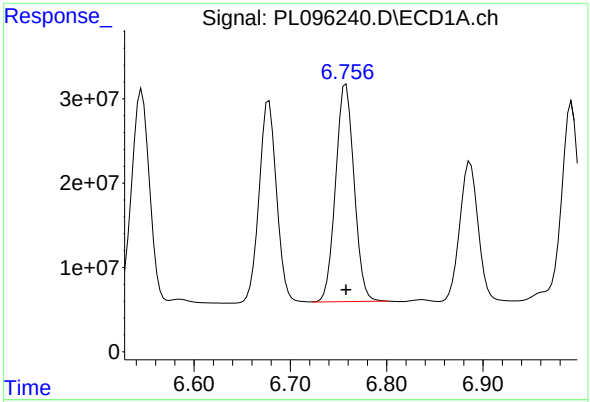
#14 Endrin

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

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ECD_L
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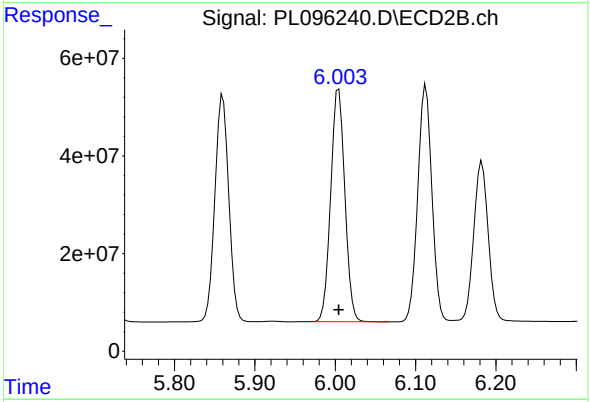
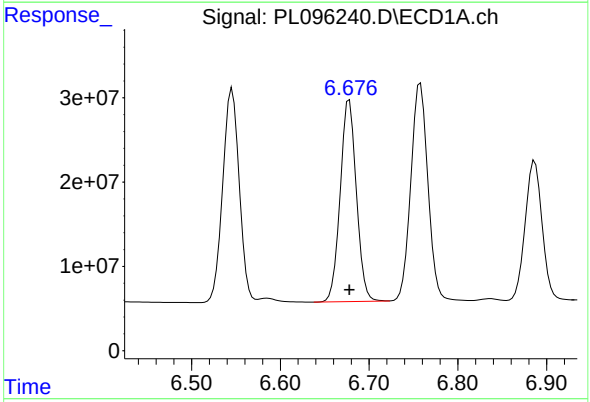


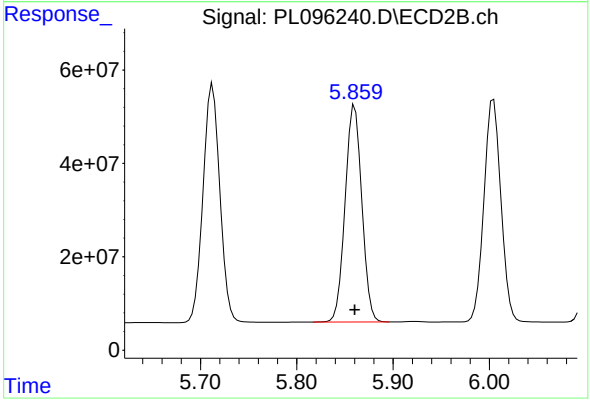
#15 Endosulfan II

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



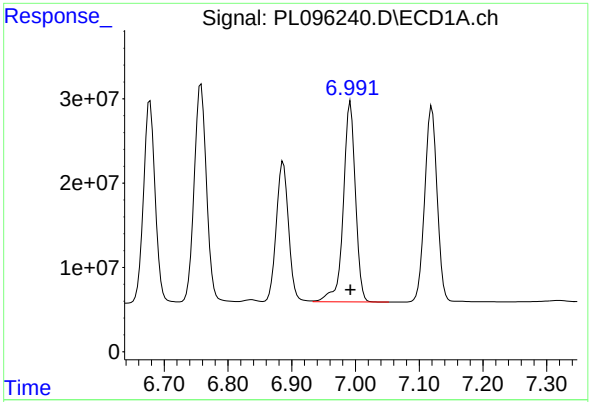
#16 4,4'-DDD

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
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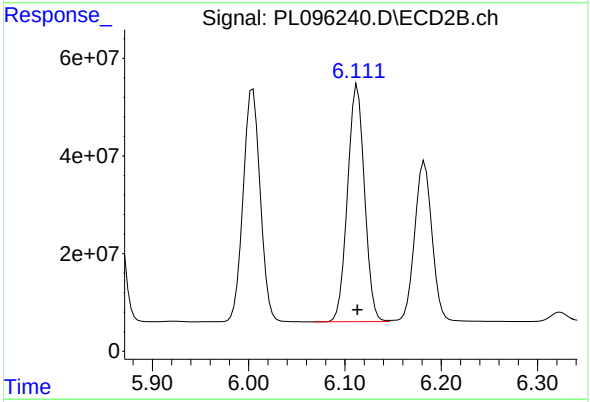
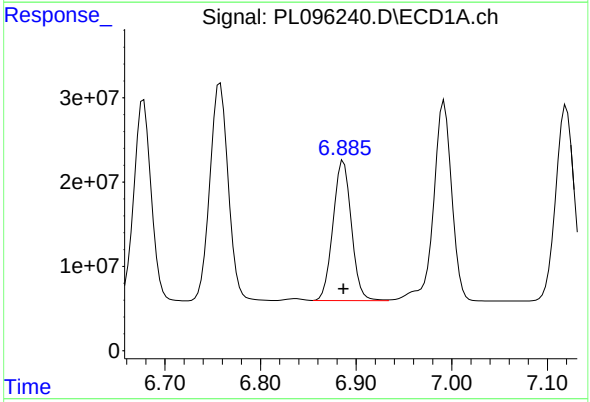


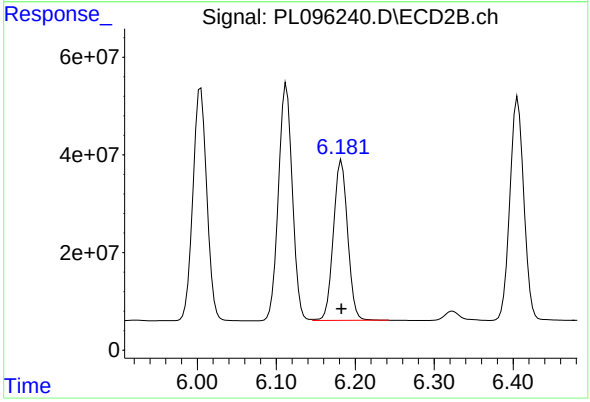
#17 4,4'-DDT

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



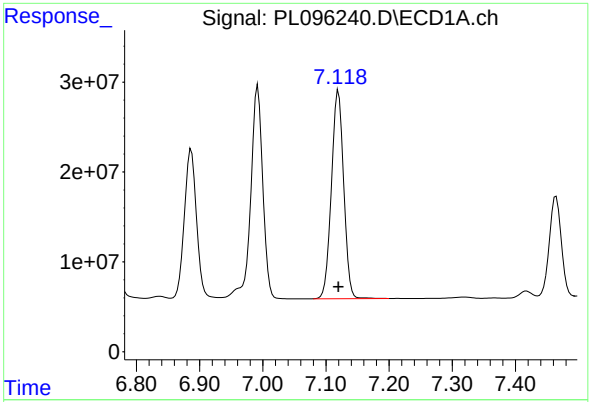
#18 Endrin aldehyde

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

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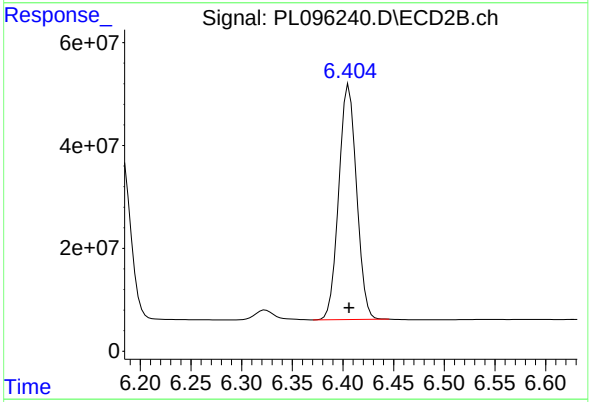
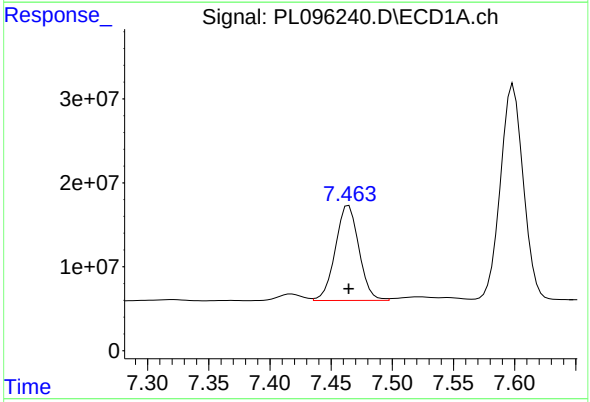


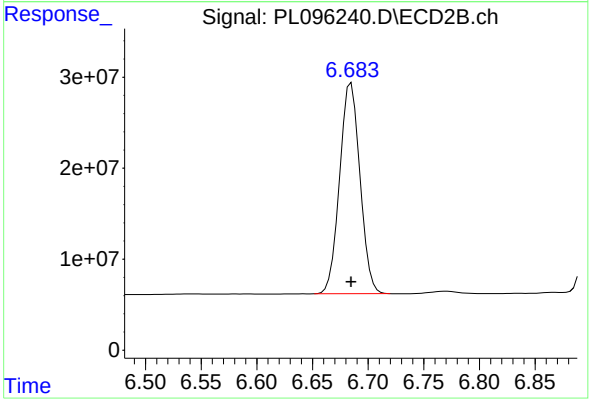
#19 Endosulfan Sulfate

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



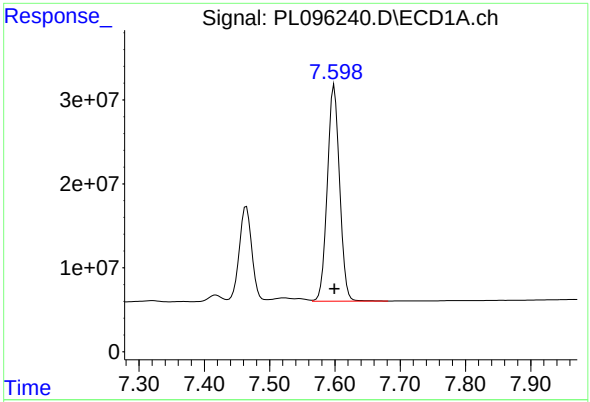
#20 Methoxychlor

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



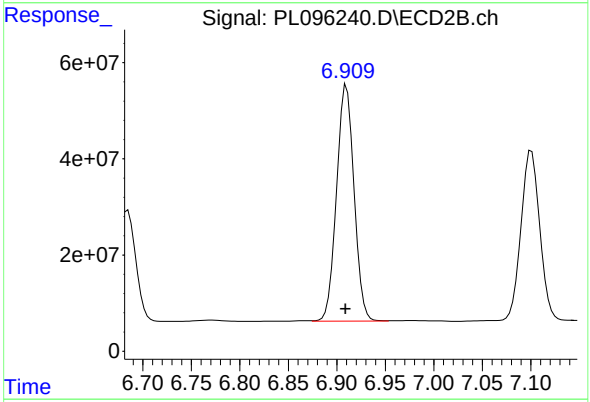
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

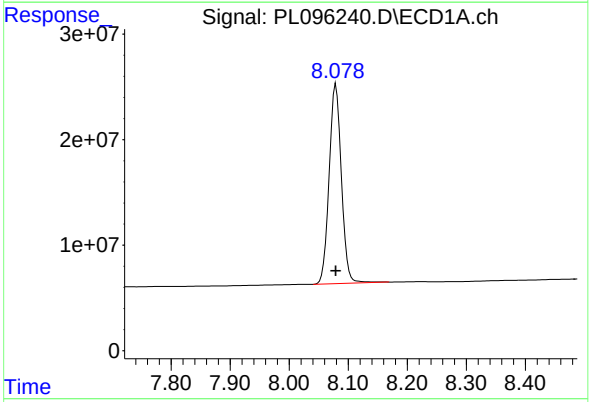
Manual Integrations APPROVED

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



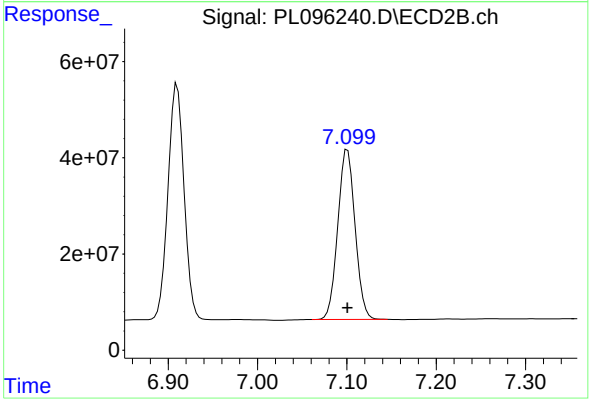
#21 Endrin ketone

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



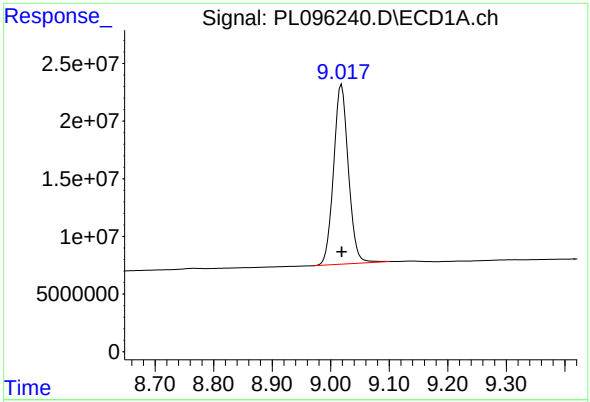
#22 Mirex

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



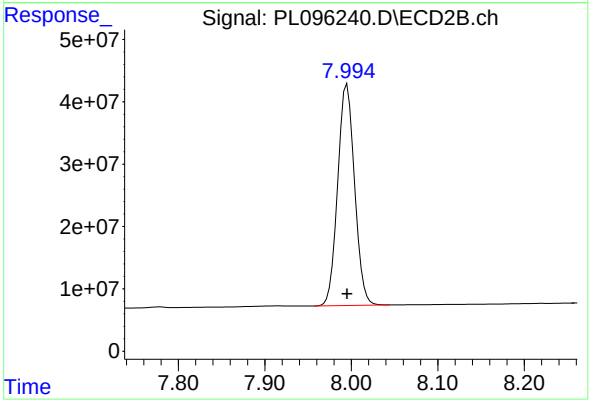
#28 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Manual Integrations APPROVED

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



#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

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

	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.

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

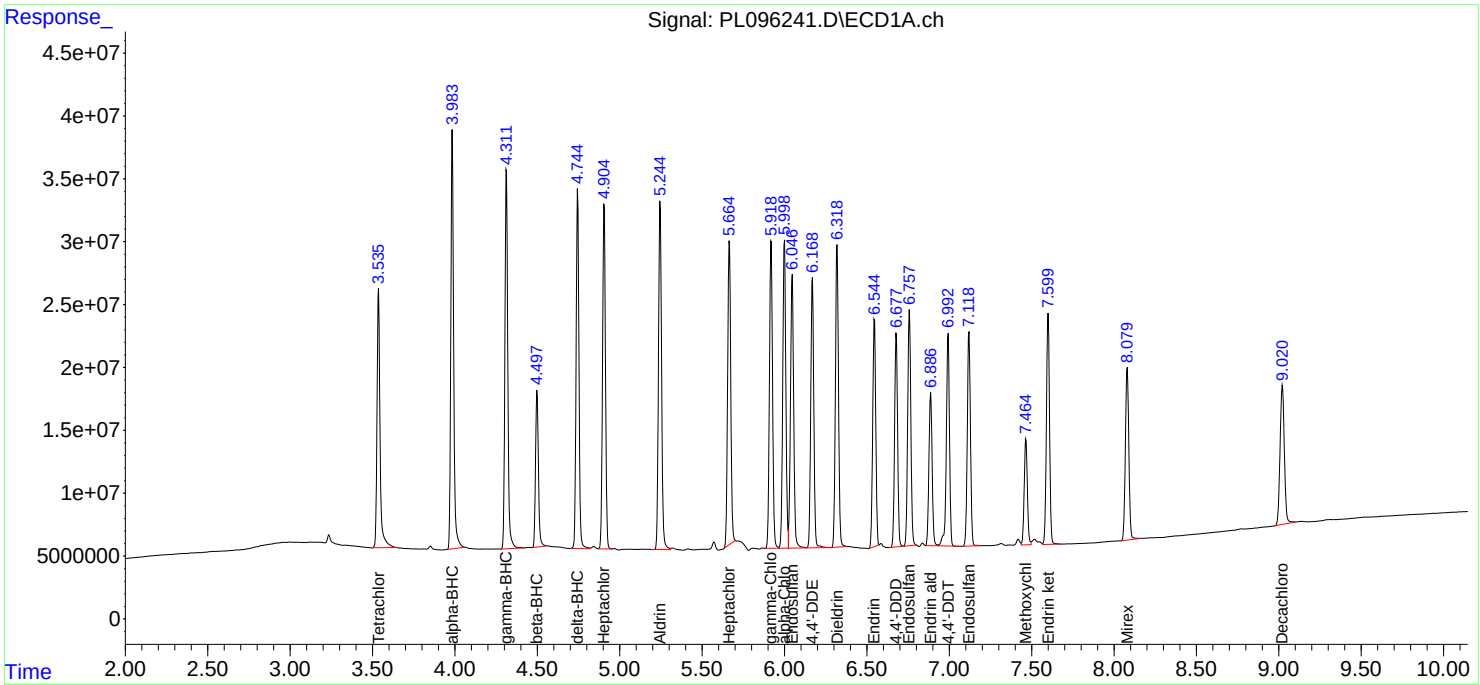
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

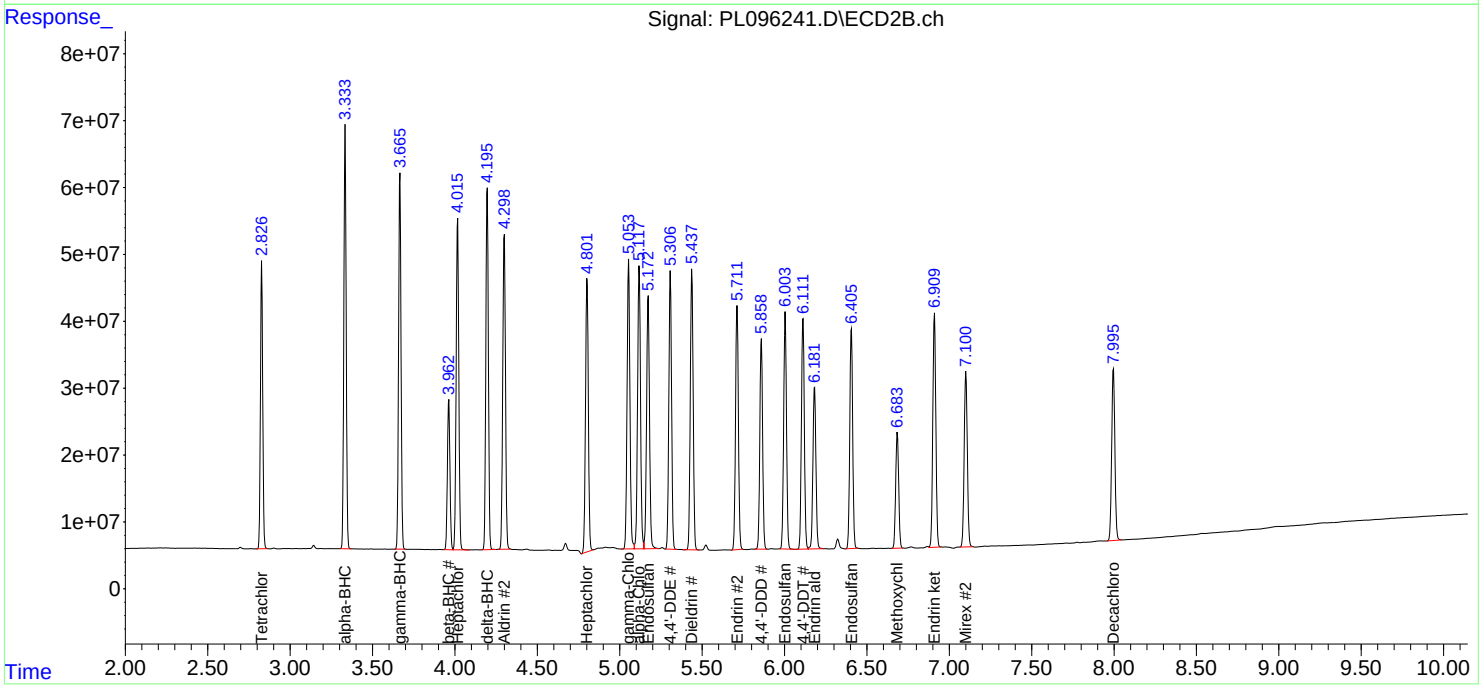
Manual Integrations APPROVED

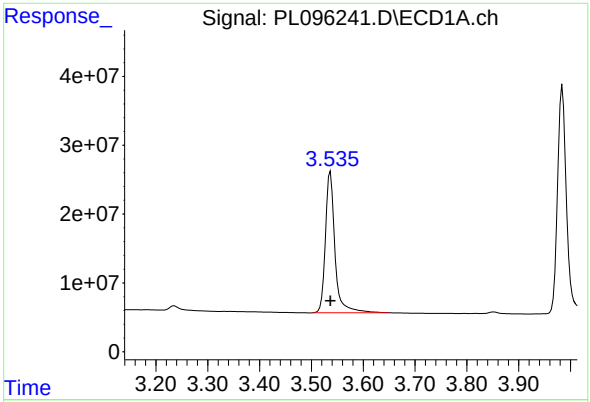
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

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







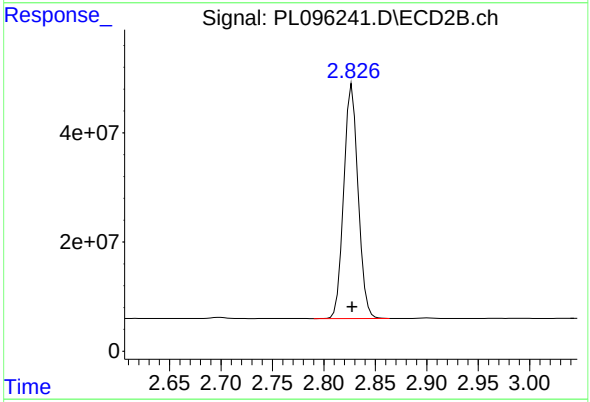
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

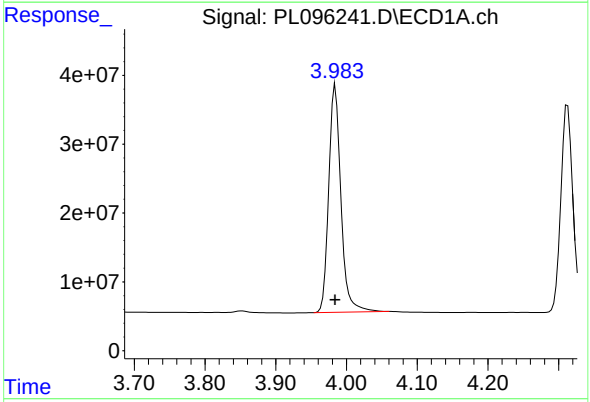
Manual Integrations APPROVED

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



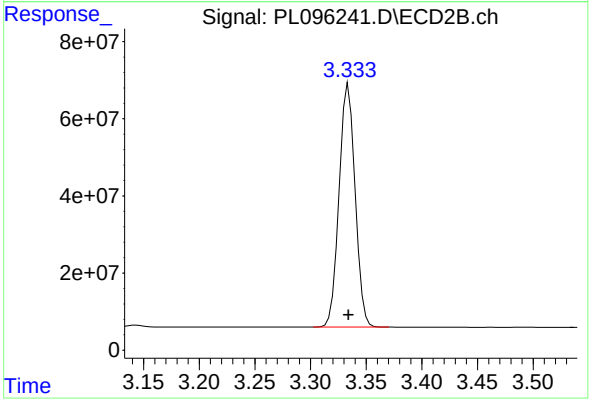
#1 Tetrachloro-m-xylene

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



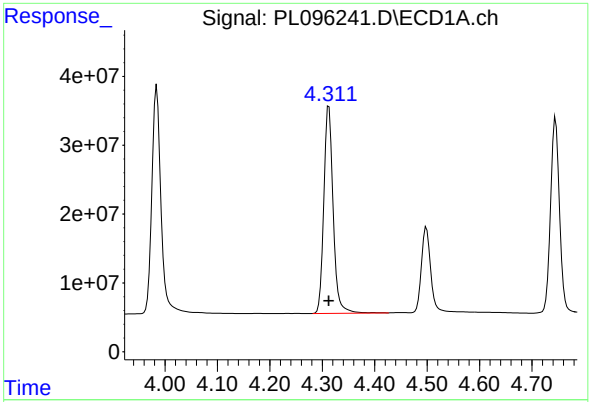
#2 alpha-BHC

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



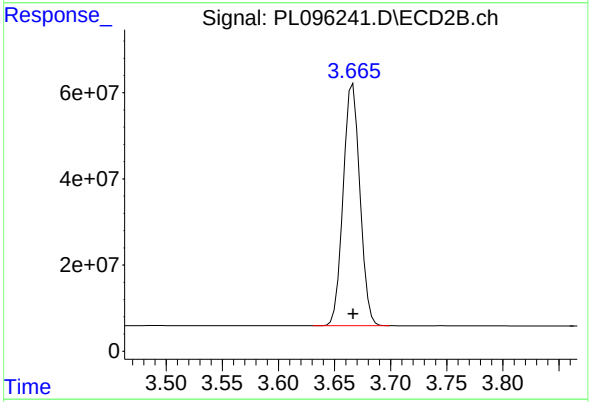
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

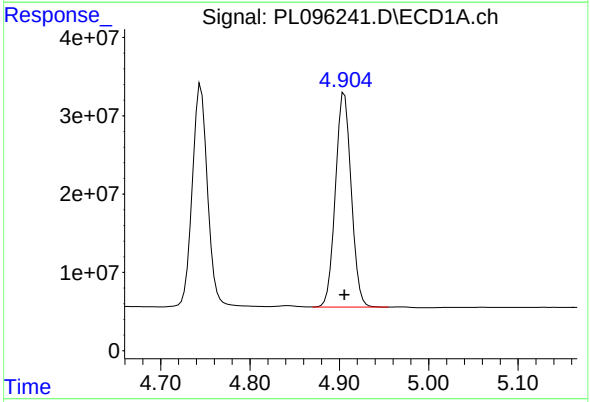
Manual Integrations APPROVED

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



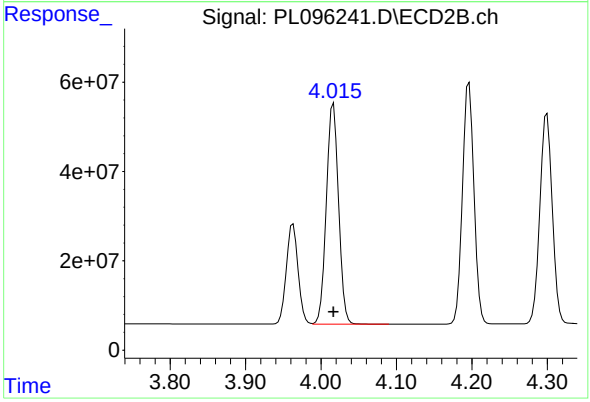
#3 gamma-BHC (Lindane)

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



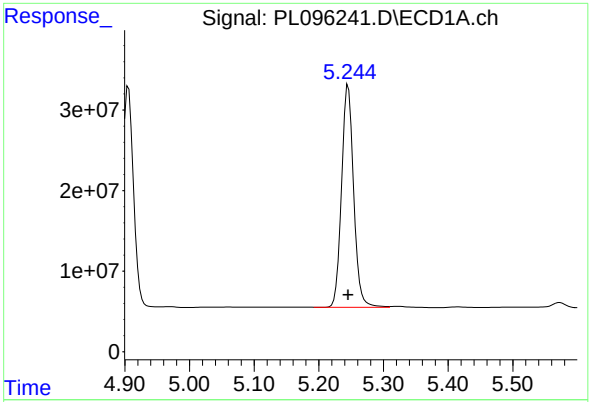
#4 Heptachlor

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



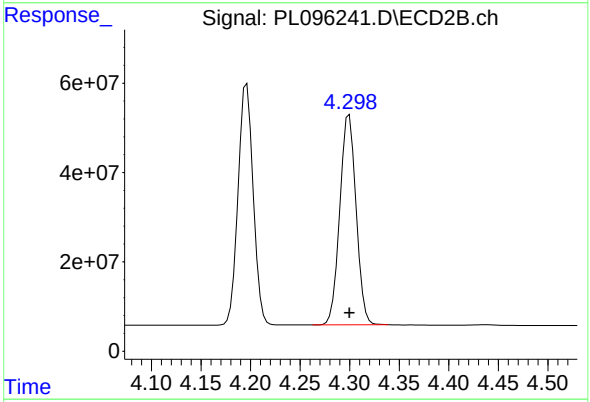
#5 Aldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

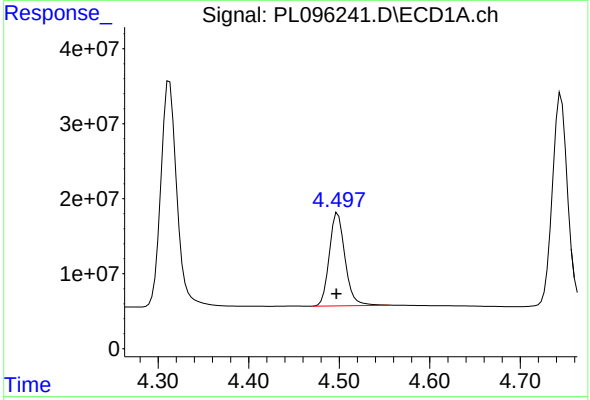
Manual Integrations APPROVED

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



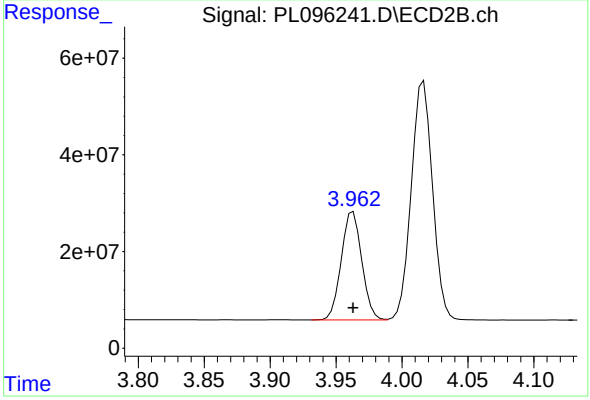
#5 Aldrin

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



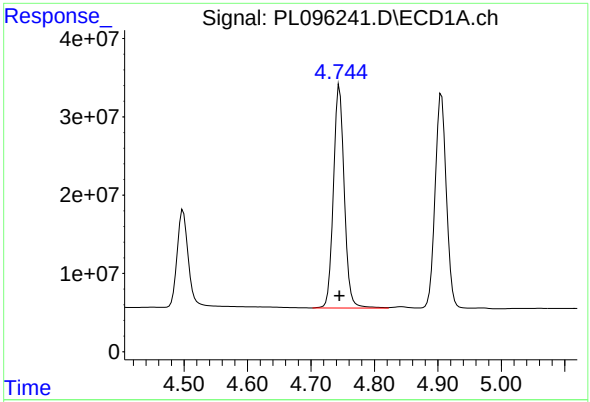
#6 beta-BHC

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



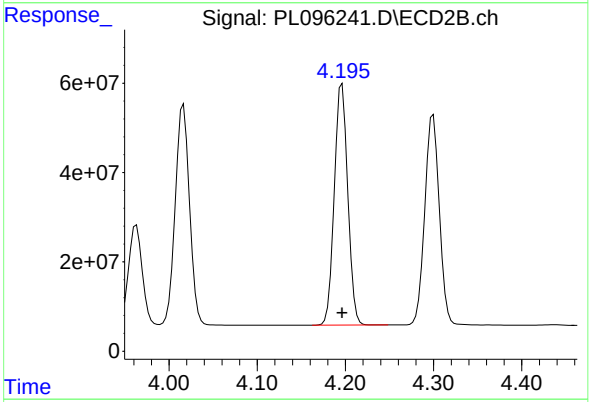
#7 delta-BHC

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

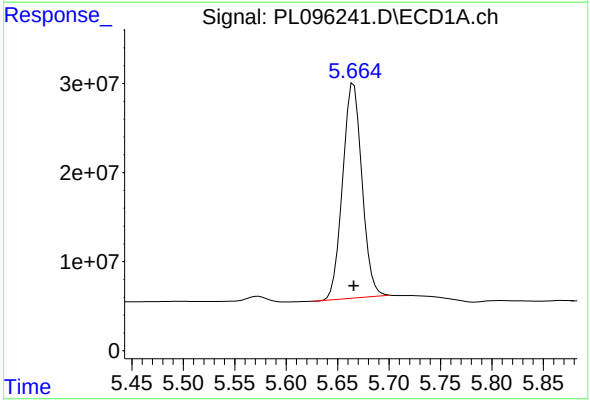
Manual Integrations APPROVED

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



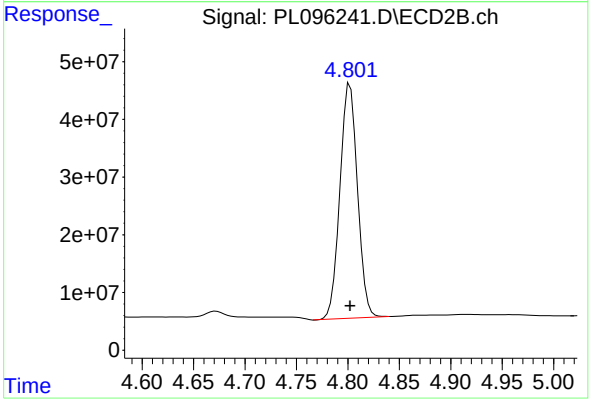
#7 delta-BHC

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



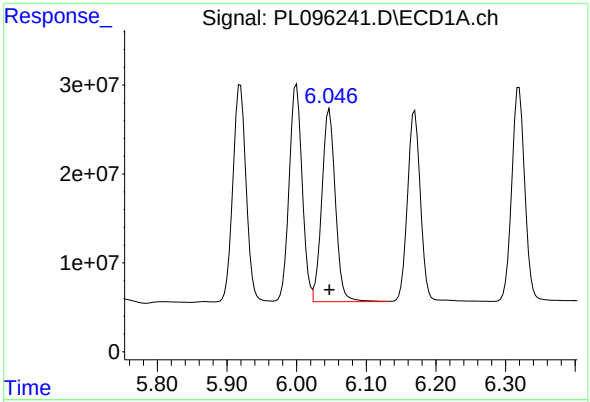
#8 Heptachlor epoxide

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



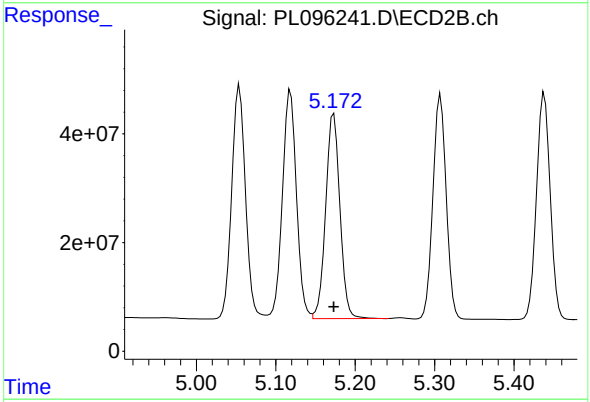
#9 Endosulfan I

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

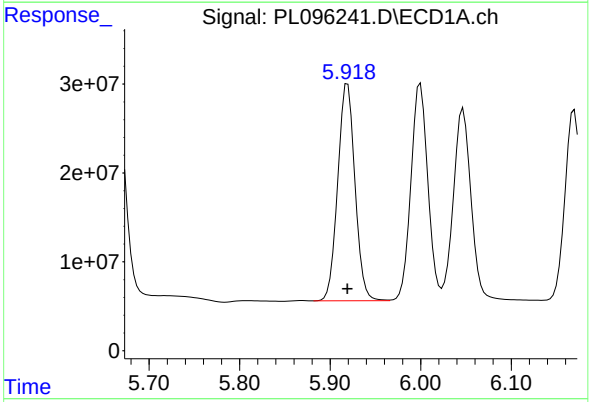
Manual Integrations APPROVED

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



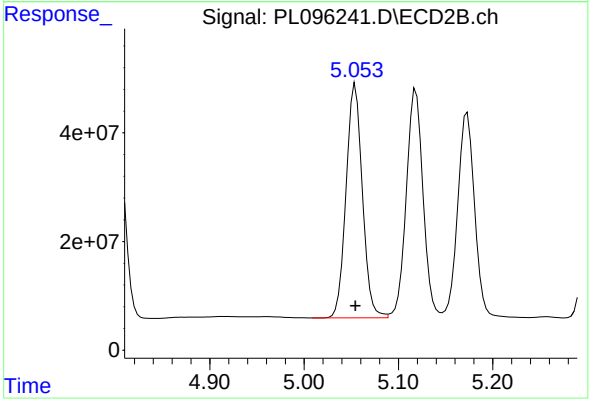
#9 Endosulfan I

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



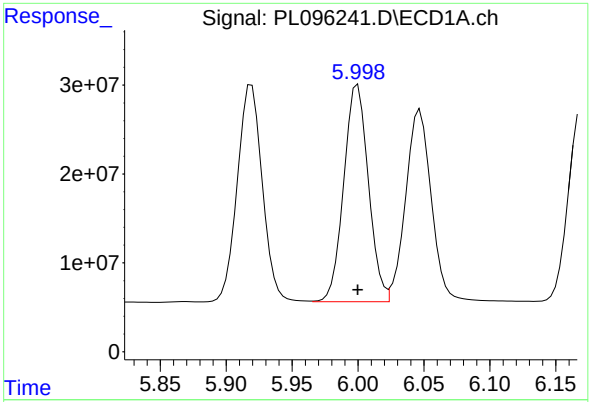
#10 gamma-Chlordane

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



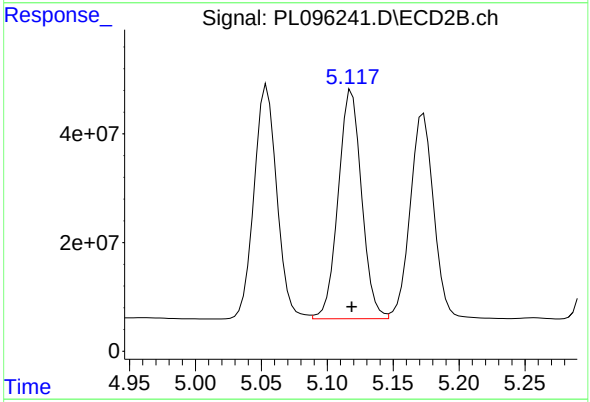
#11 alpha-Chlordane

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

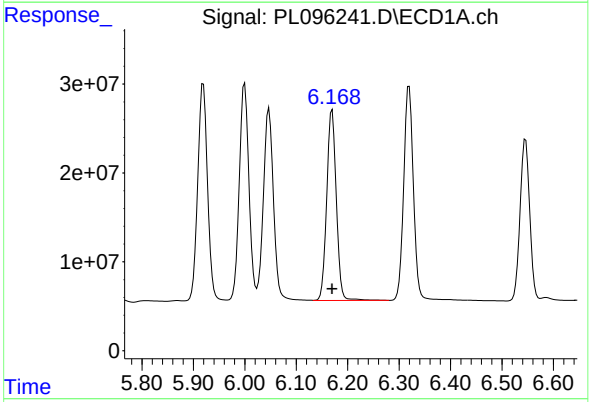
Manual Integrations APPROVED

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



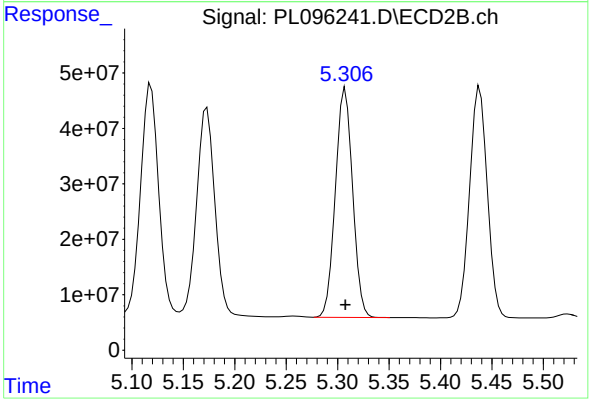
#11 alpha-Chlordane

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



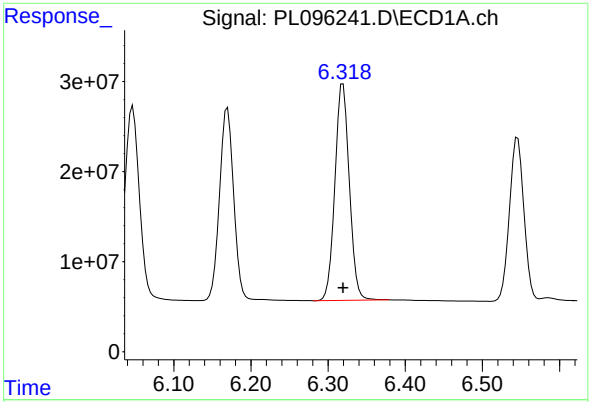
#12 4,4'-DDE

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



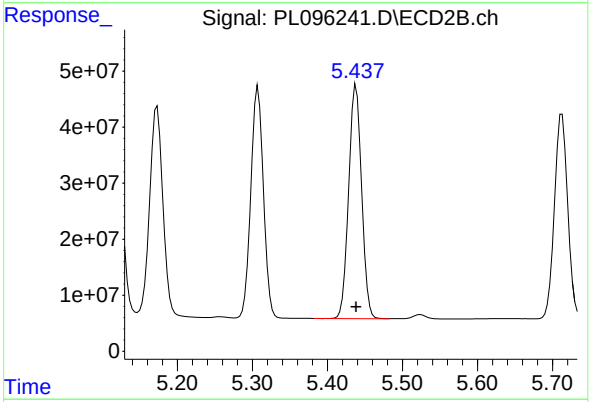
#13 Dieldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

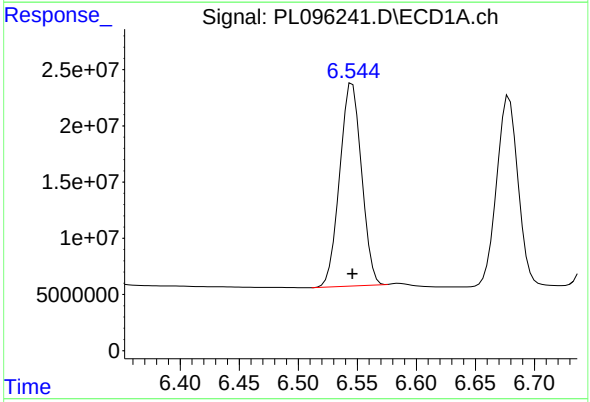
Manual Integrations APPROVED

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



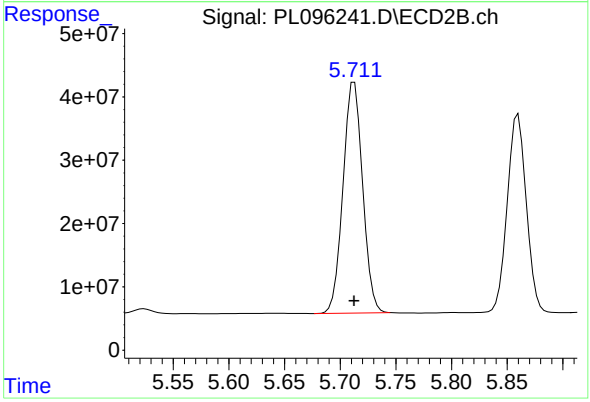
#13 Dieldrin

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



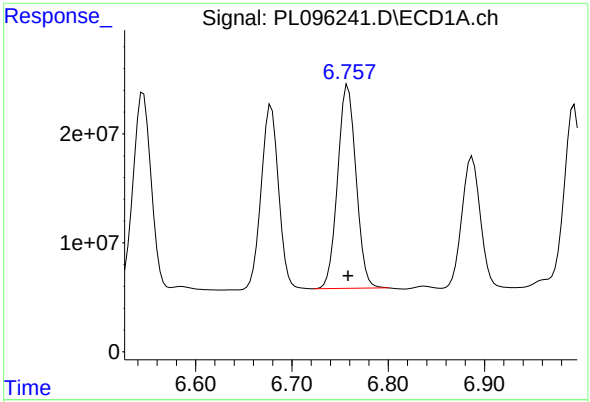
#14 Endrin

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



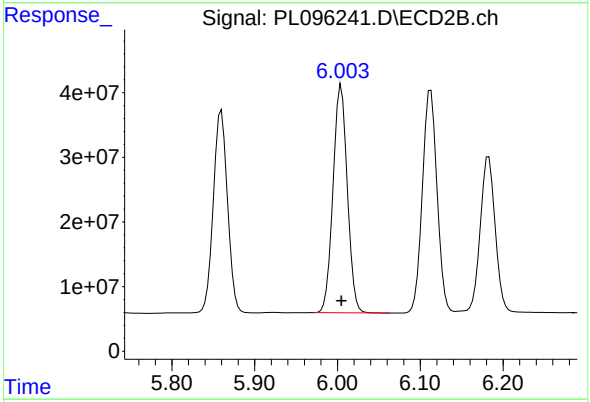
#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

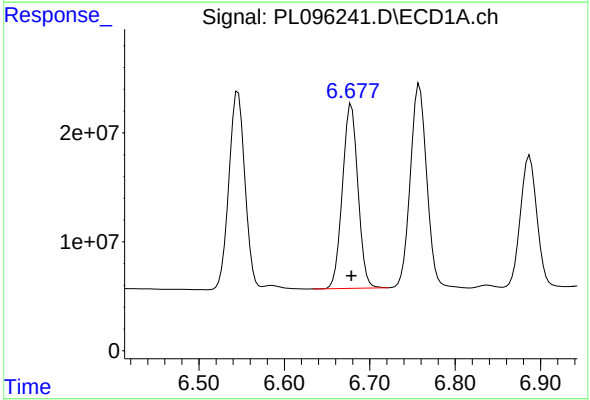
Manual Integrations APPROVED

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



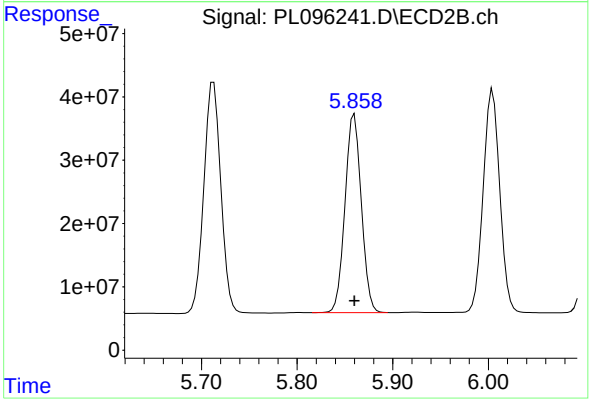
#15 Endosulfan II

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



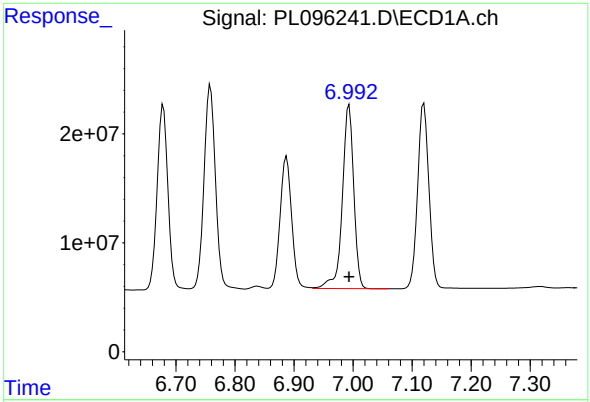
#16 4,4'-DDD

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



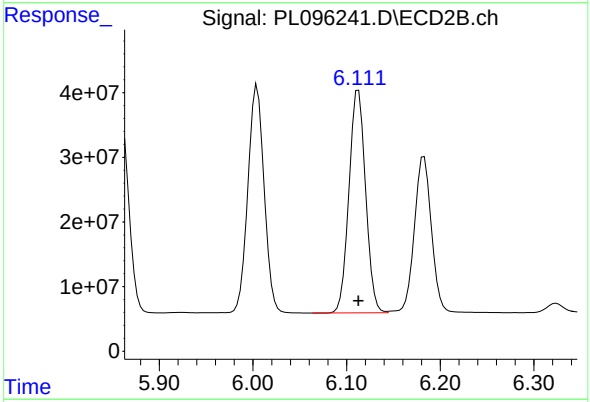
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

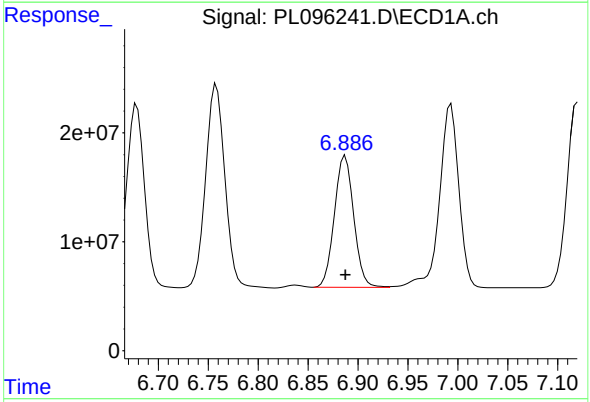
Manual Integrations APPROVED

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



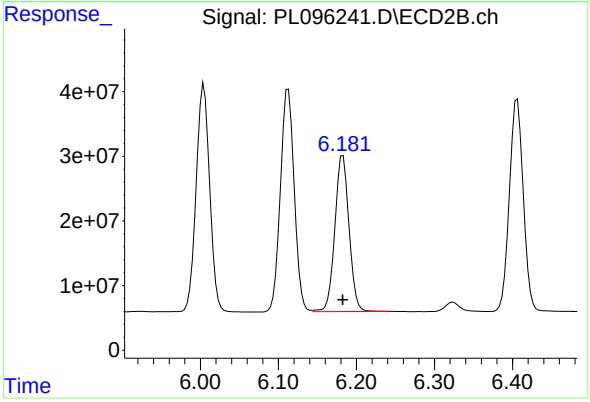
#17 4,4'-DDT

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



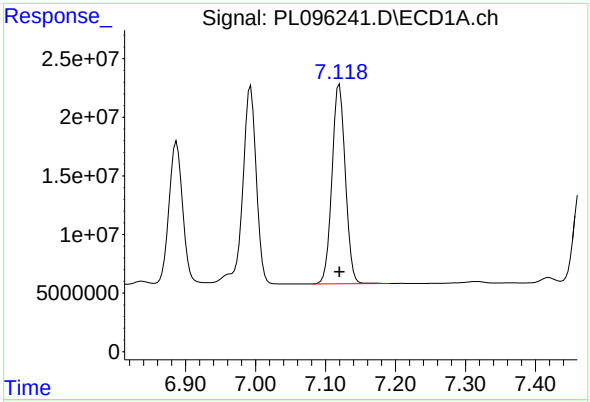
#18 Endrin aldehyde

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



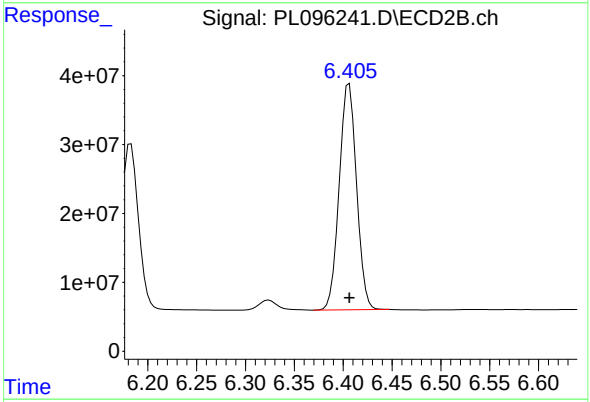
#19 Endosulfan Sulfate

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

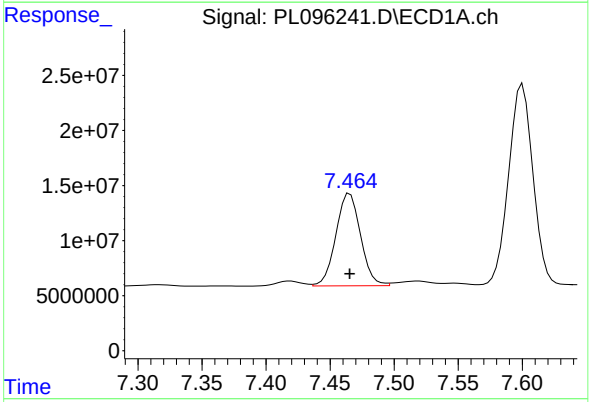
Manual Integrations APPROVED

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



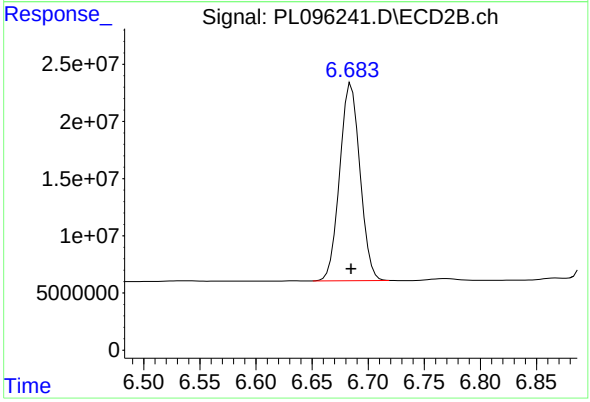
#19 Endosulfan Sulfate

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



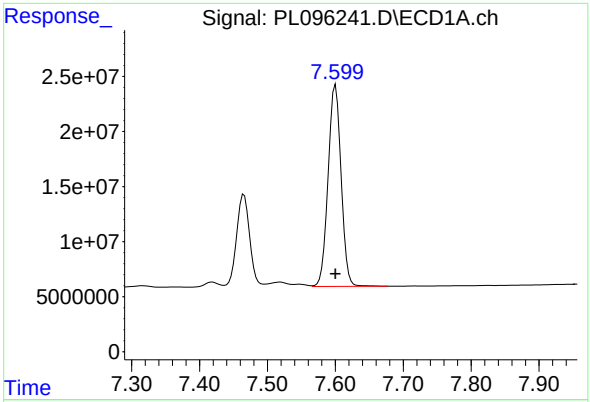
#20 Methoxychlor

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



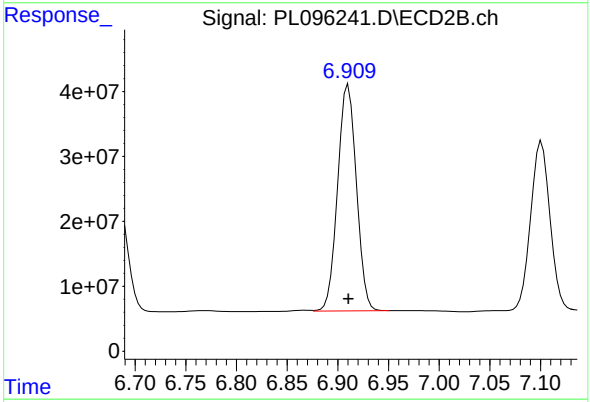
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

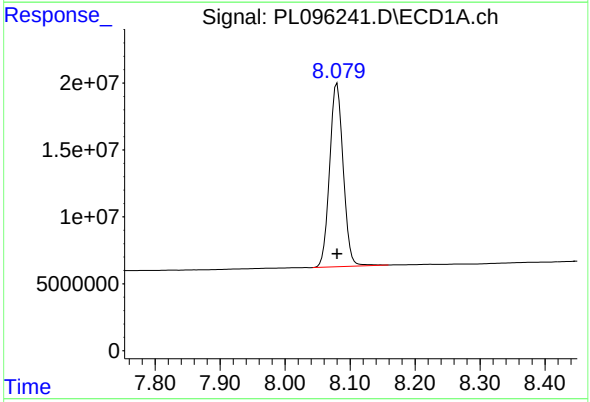
Manual Integrations APPROVED

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



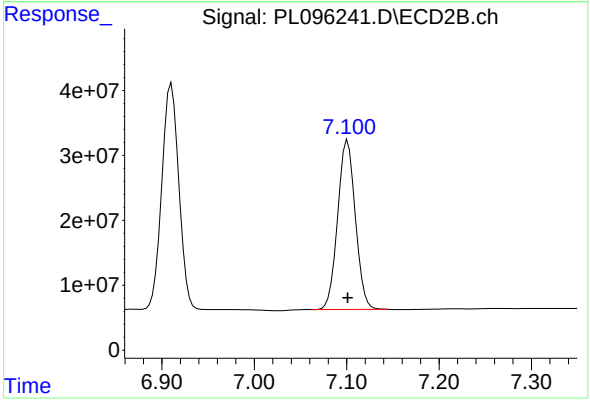
#21 Endrin ketone

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



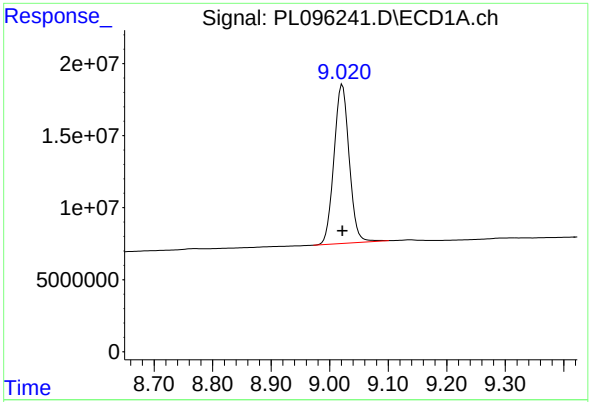
#22 Mirex

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



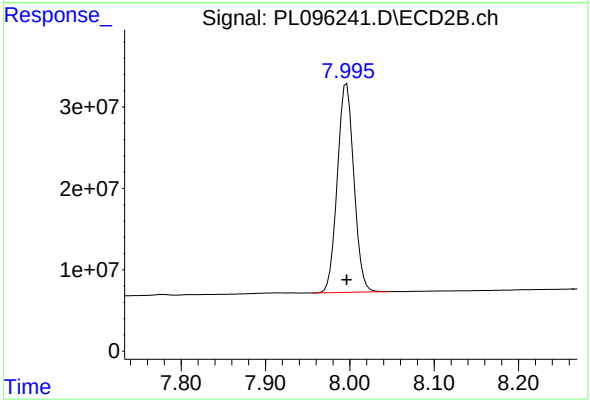
#28 Decachlorobiphenyl

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

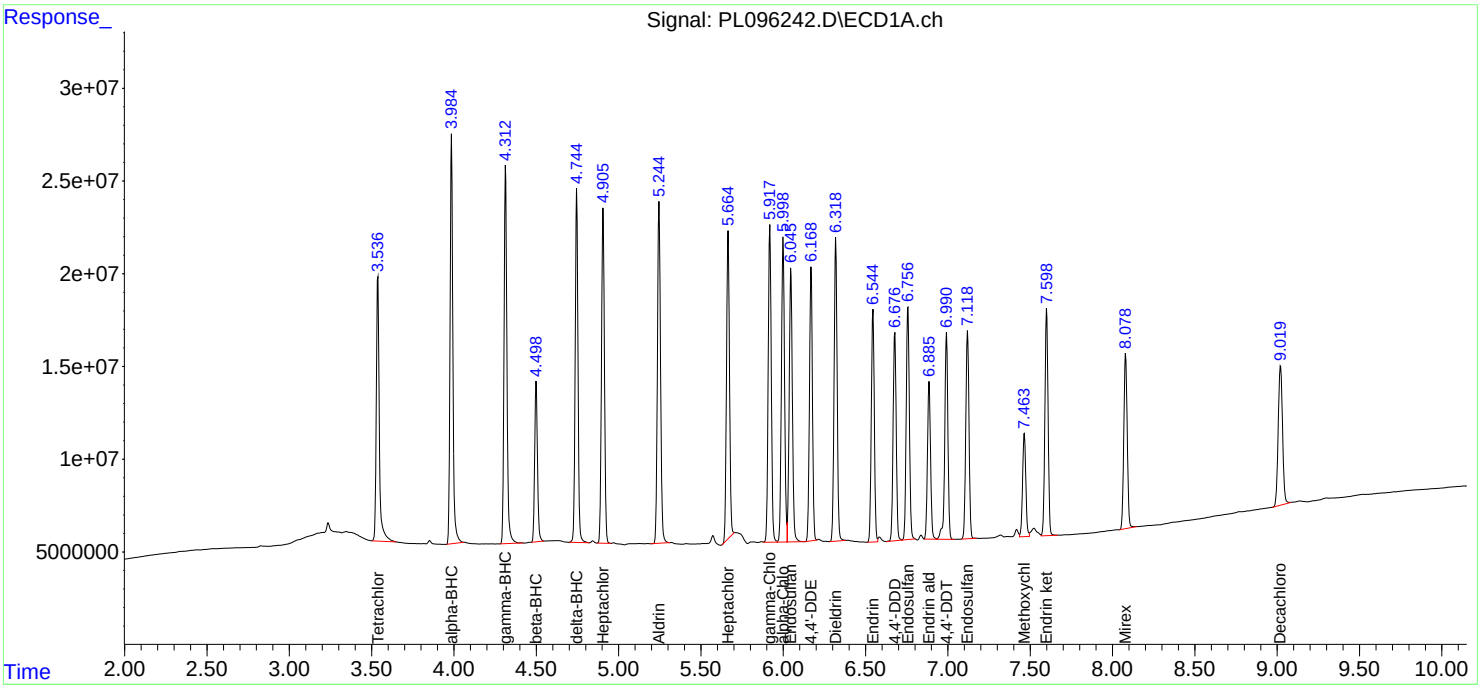
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

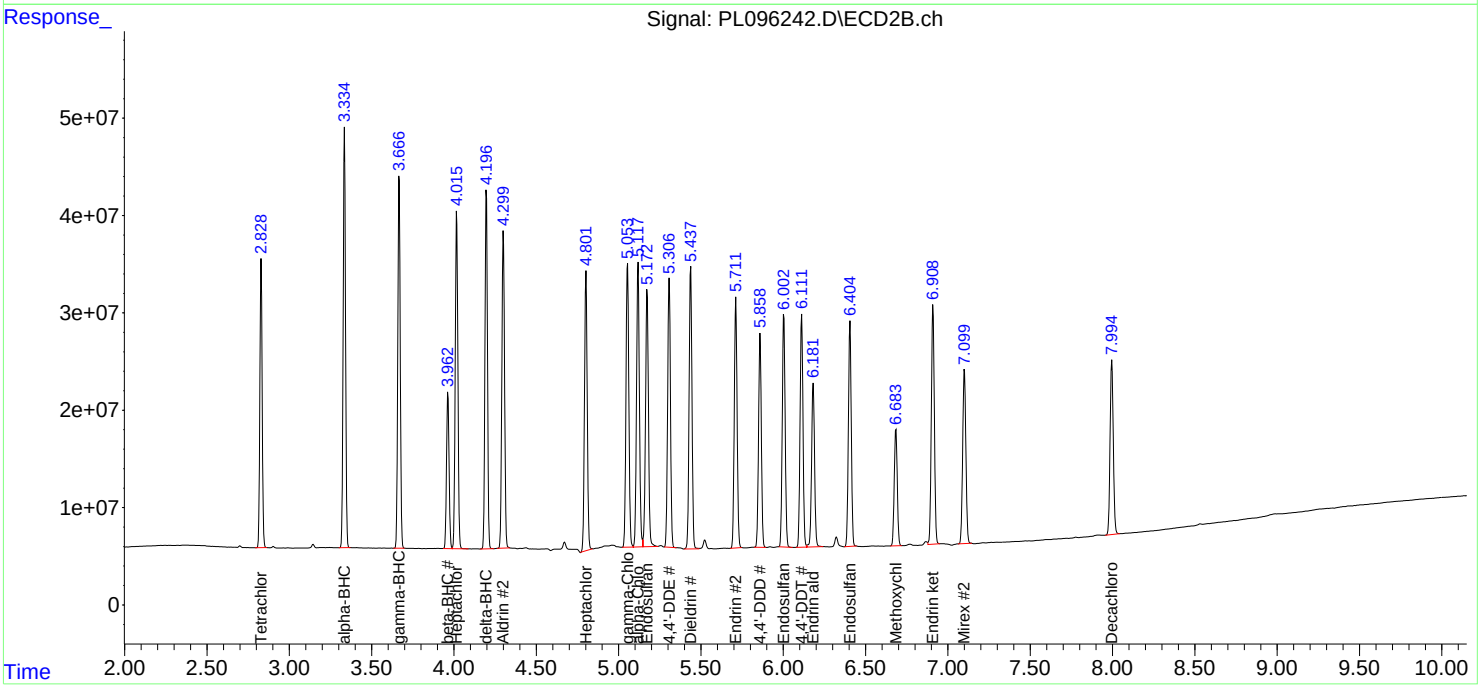
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096242.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:22
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

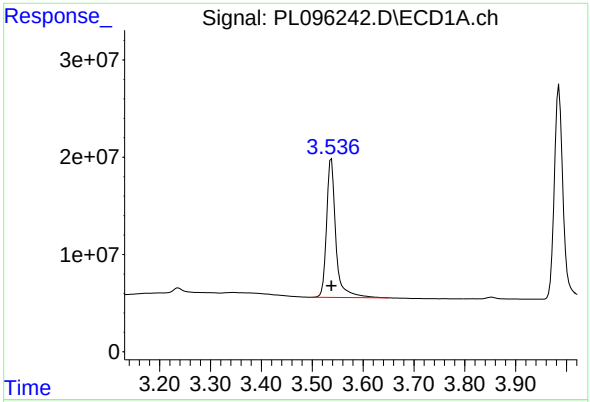
Instrument :
ECD_L
ClientSampleId :
PSTDICC050

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



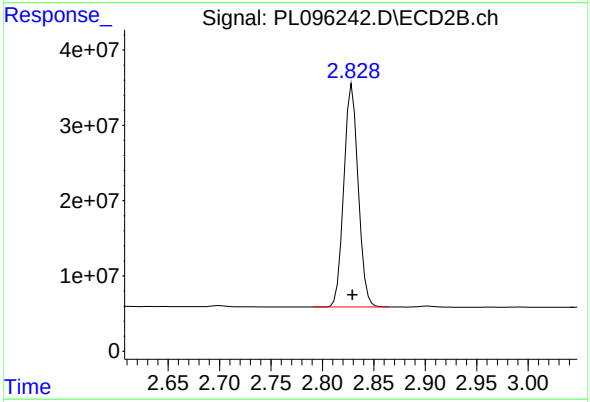




#1 Tetrachloro-m-xylene

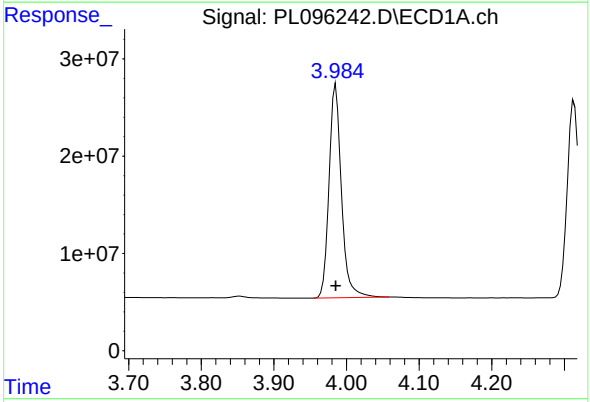
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 180340356
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



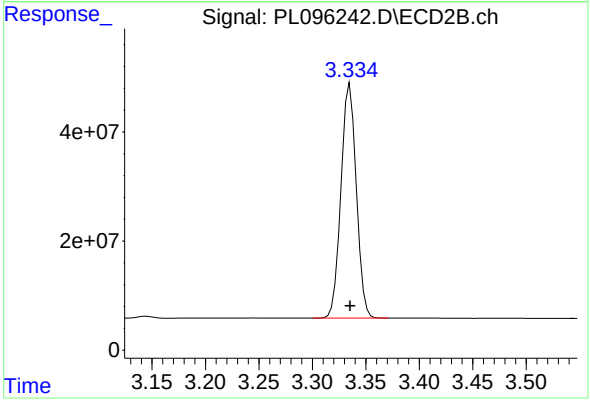
#1 Tetrachloro-m-xylene

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



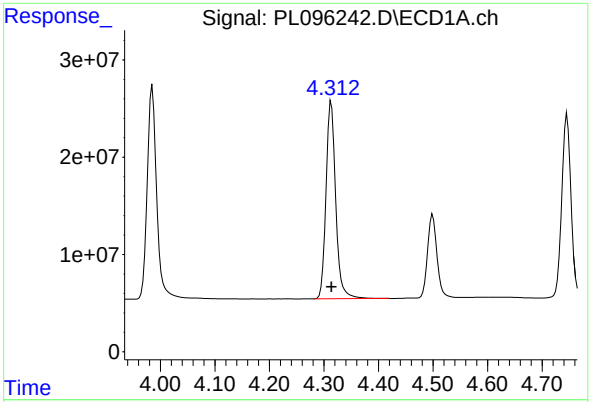
#2 alpha-BHC

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



#2 alpha-BHC

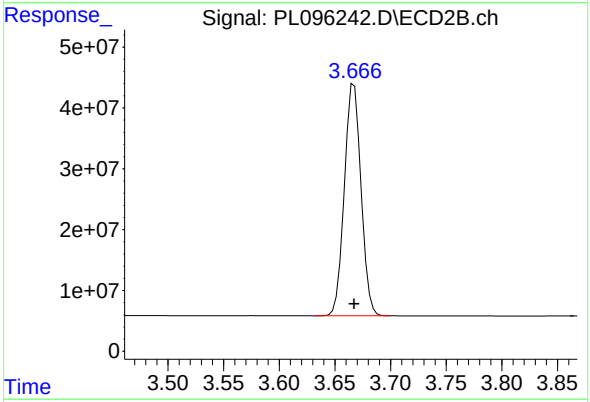
R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 429233594
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

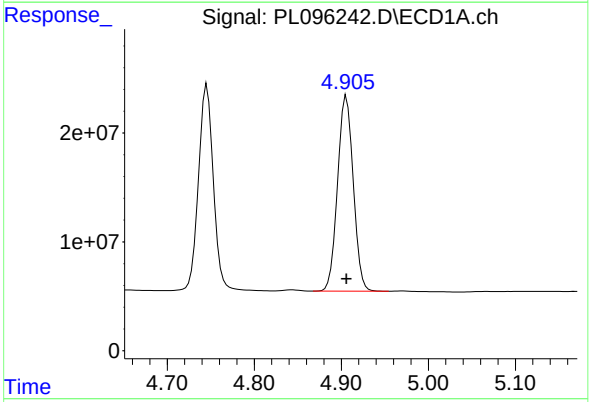
R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 250181430
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



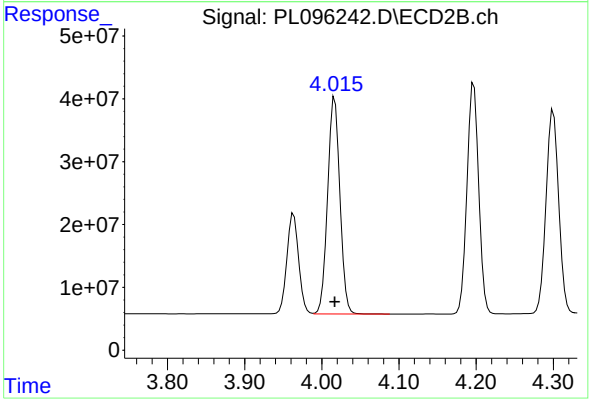
#3 gamma-BHC (Lindane)

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



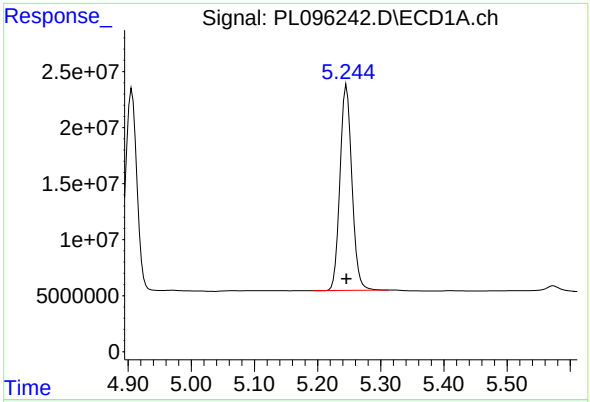
#4 Heptachlor

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



#4 Heptachlor

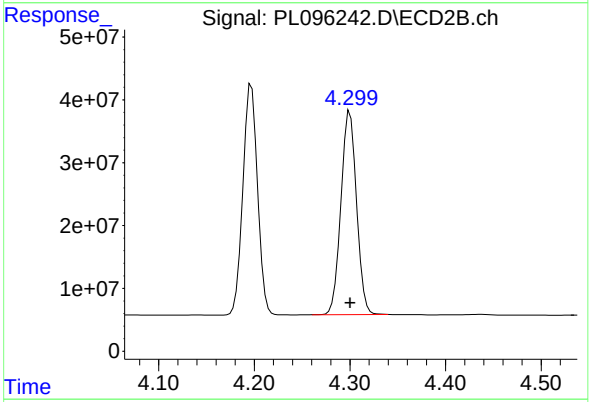
R.T.: 4.017 min
Delta R.T.: 0.000 min
Response: 383301991
Conc: 50.00 ng/ml



#5 Aldrin

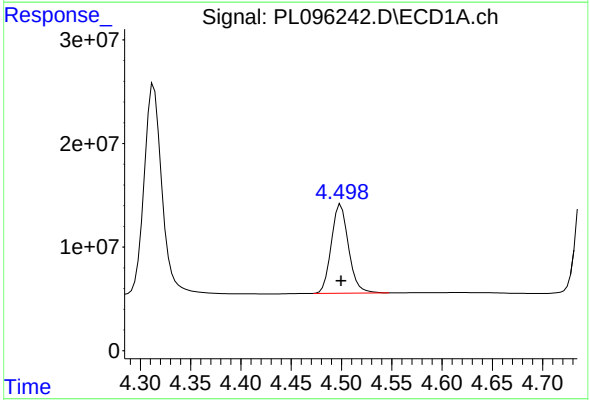
R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 240943248
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



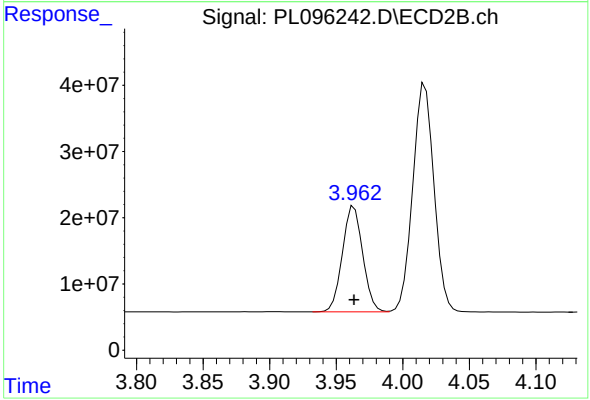
#5 Aldrin

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



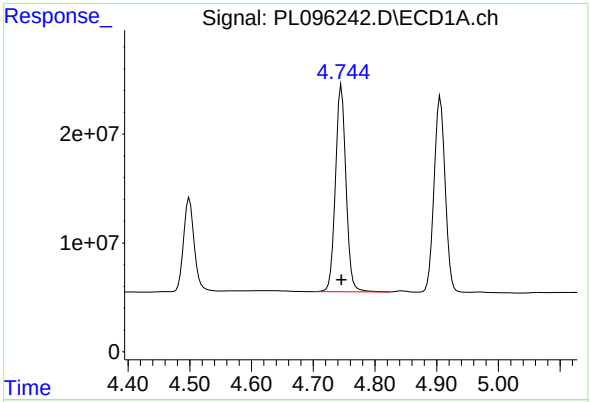
#6 beta-BHC

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



#6 beta-BHC

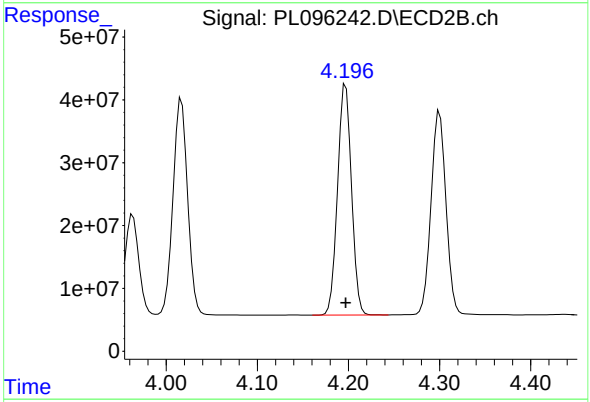
R.T.: 3.963 min
Delta R.T.: 0.000 min
Response: 169402024
Conc: 50.00 ng/ml



#7 delta-BHC

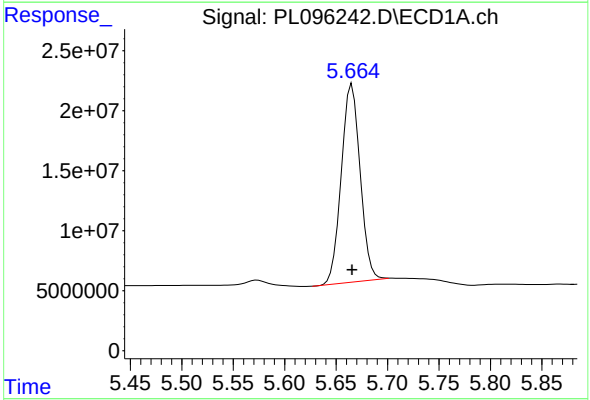
R.T.: 4.746 min
Delta R.T.: 0.000 min
Response: 225831214
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



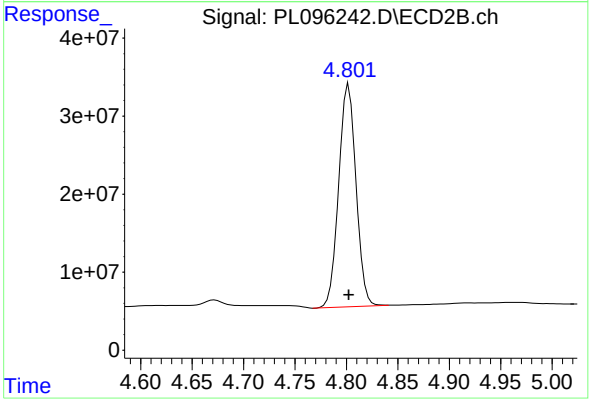
#7 delta-BHC

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



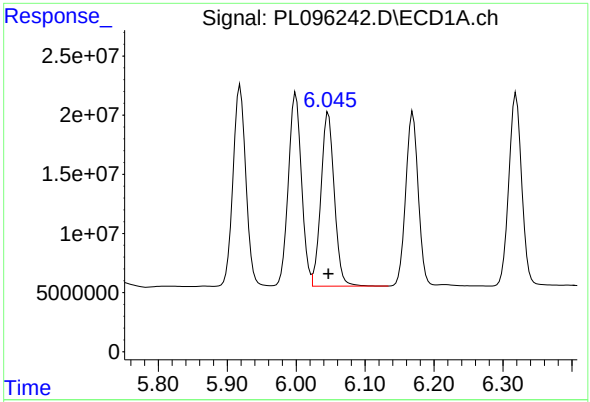
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

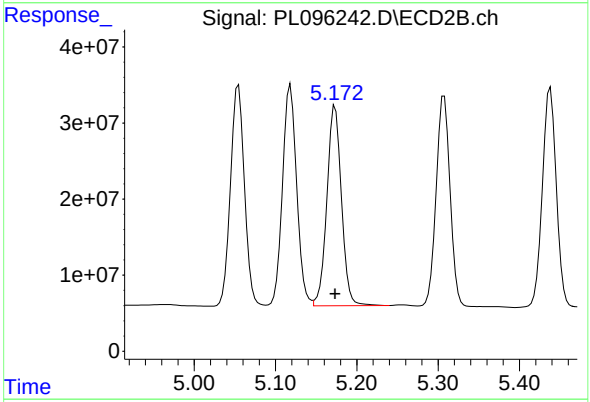
R.T.: 4.802 min
Delta R.T.: 0.000 min
Response: 334592538
Conc: 50.00 ng/ml



#9 Endosulfan I

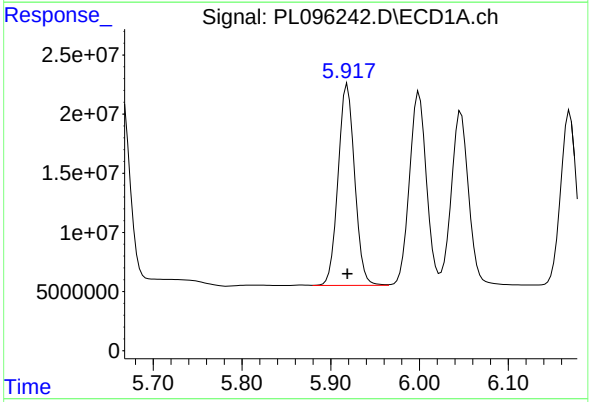
R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 198646842
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



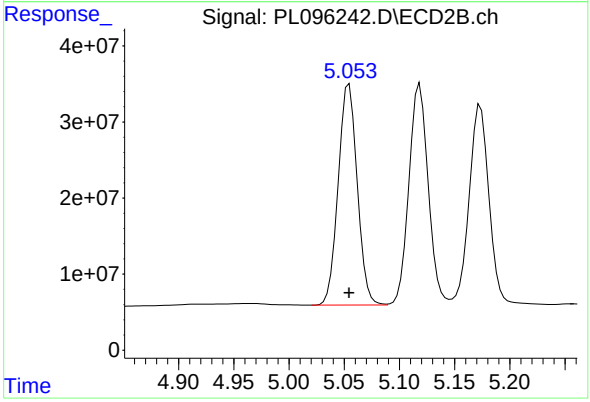
#9 Endosulfan I

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



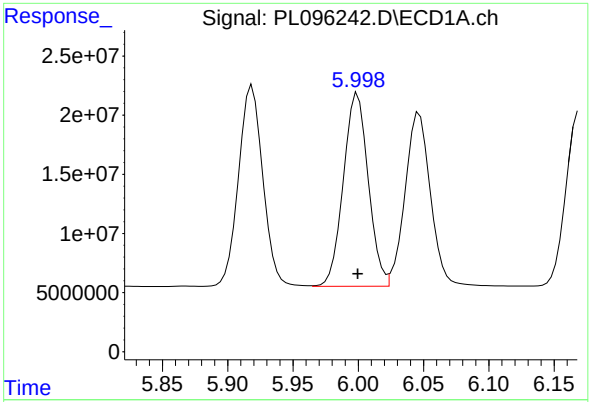
#10 gamma-Chlordane

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



#10 gamma-Chlordane

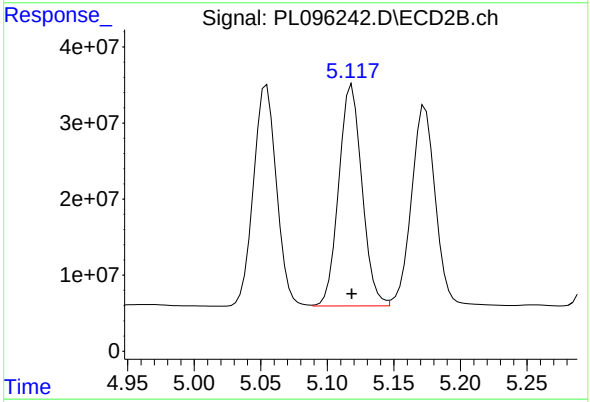
R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 348940053
Conc: 50.00 ng/ml



#11 alpha-Chlordane

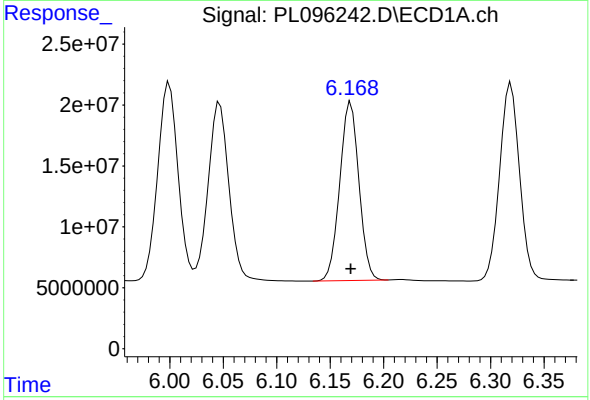
R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 216813787
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



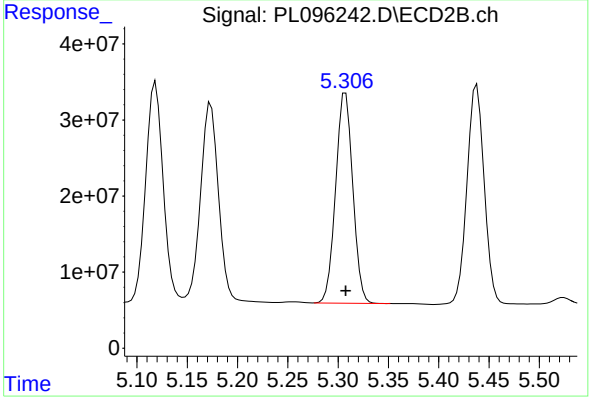
#11 alpha-Chlordane

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



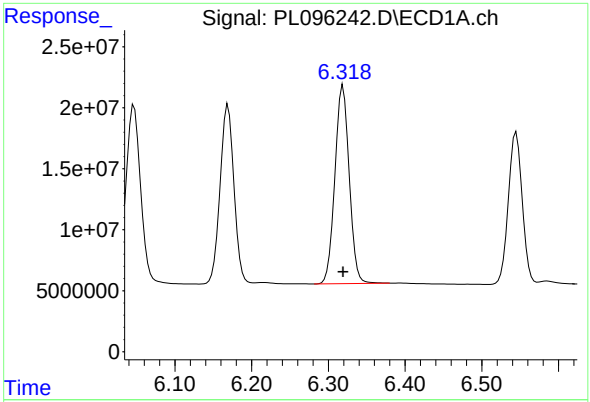
#12 4,4'-DDE

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



#12 4,4'-DDE

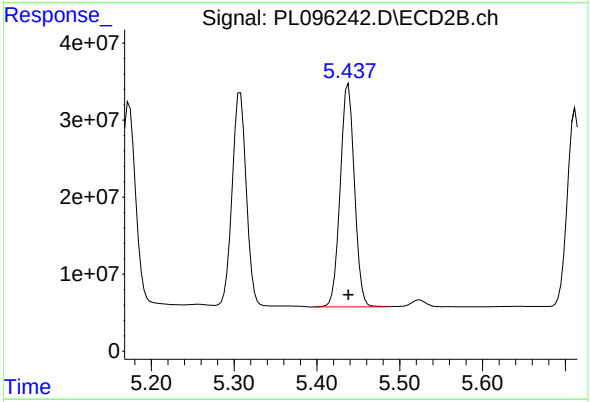
R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 326837554
Conc: 50.00 ng/ml



#13 Dieldrin

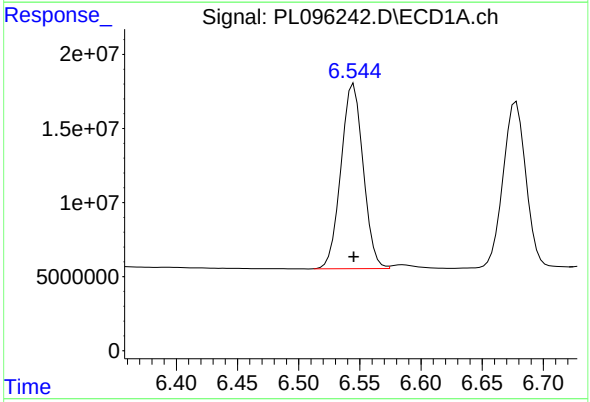
R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 211016119
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



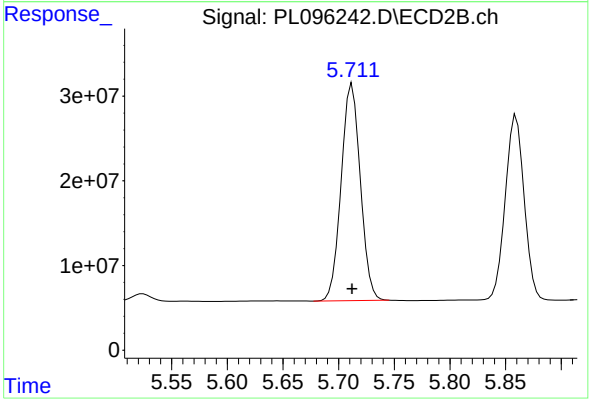
#13 Dieldrin

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



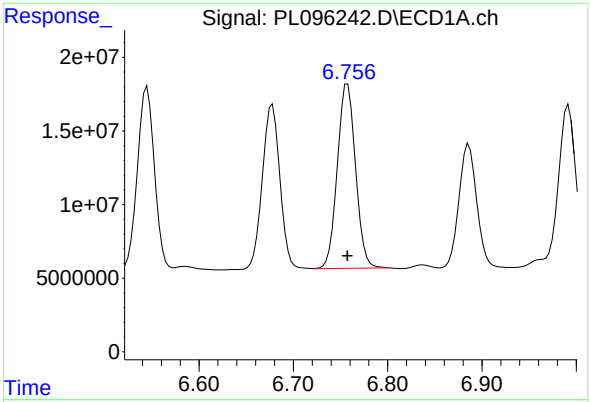
#14 Endrin

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



#14 Endrin

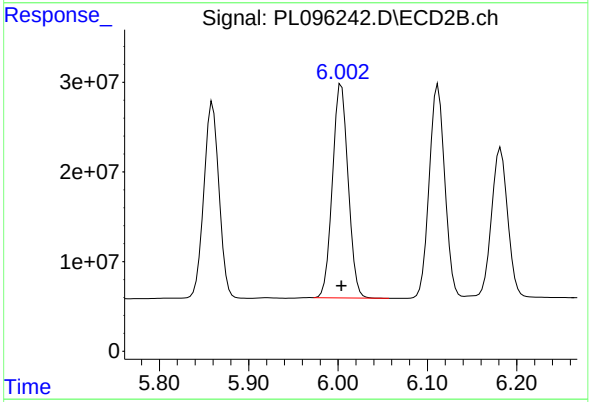
R.T.: 5.712 min
Delta R.T.: 0.000 min
Response: 307294613
Conc: 50.00 ng/ml



#15 Endosulfan II

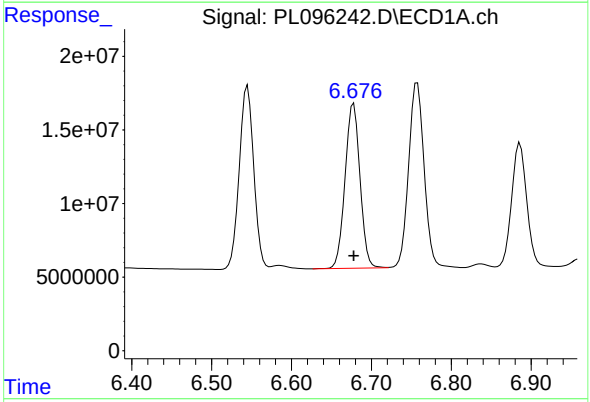
R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 168435403
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



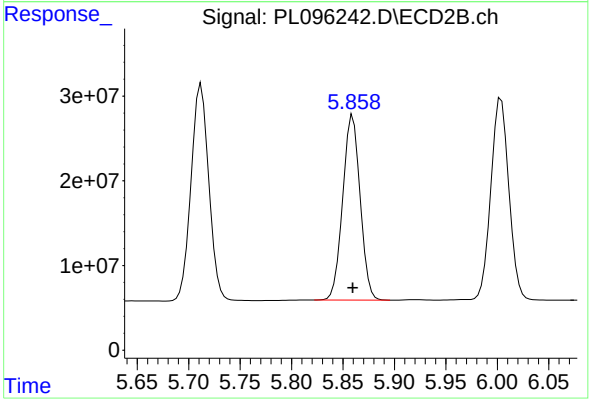
#15 Endosulfan II

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



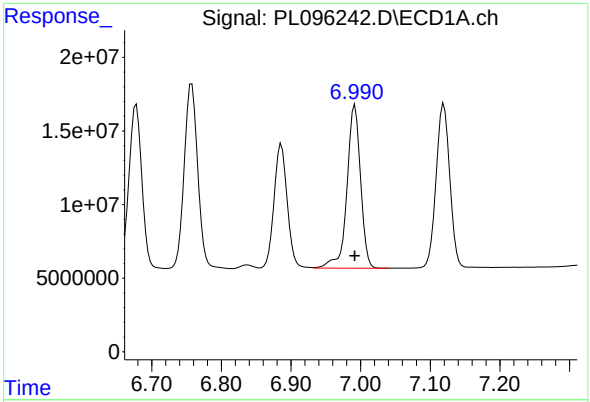
#16 4,4'-DDD

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



#16 4,4'-DDD

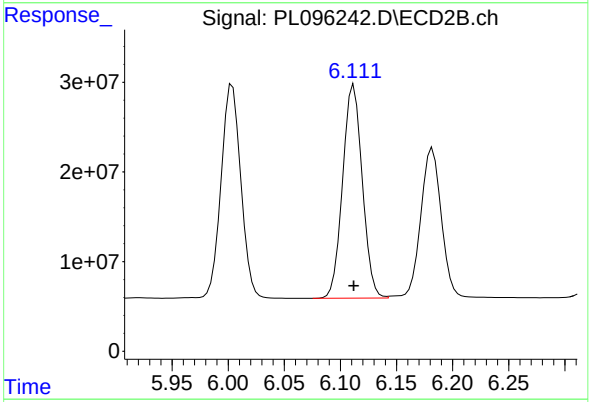
R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 257773489
Conc: 50.00 ng/ml



#17 4,4'-DDT

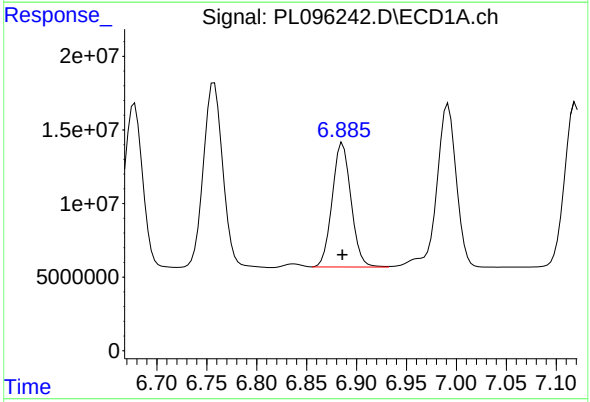
R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 150692866
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



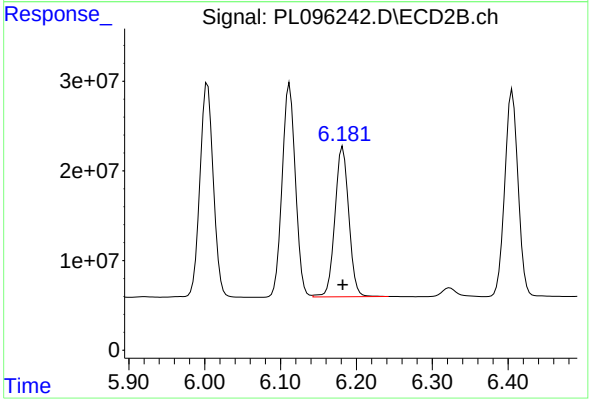
#17 4,4'-DDT

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



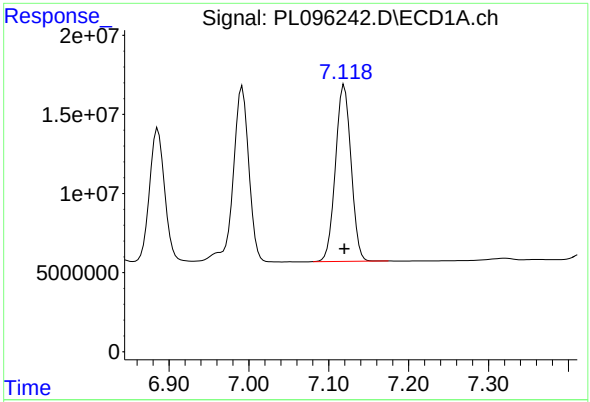
#18 Endrin aldehyde

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



#18 Endrin aldehyde

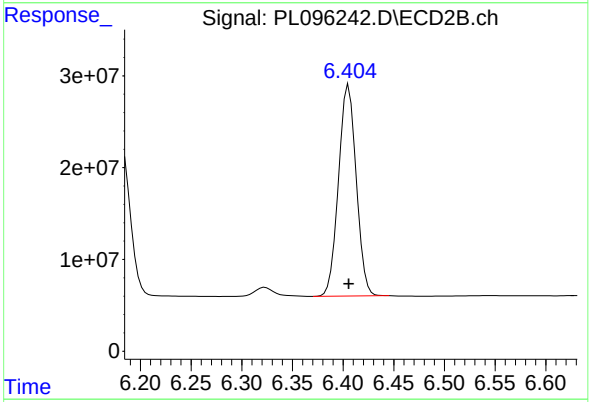
R.T.: 6.182 min
Delta R.T.: 0.000 min
Response: 213381691
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

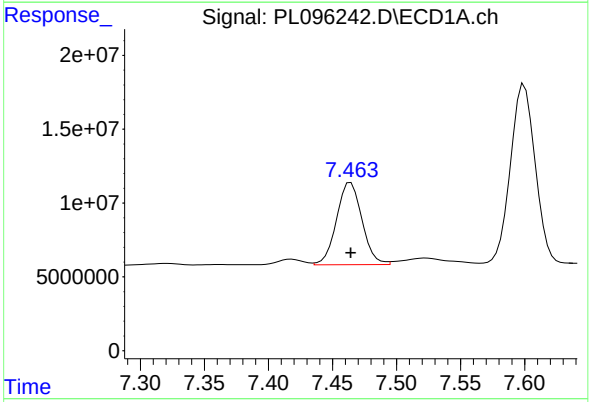
R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 151554718
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



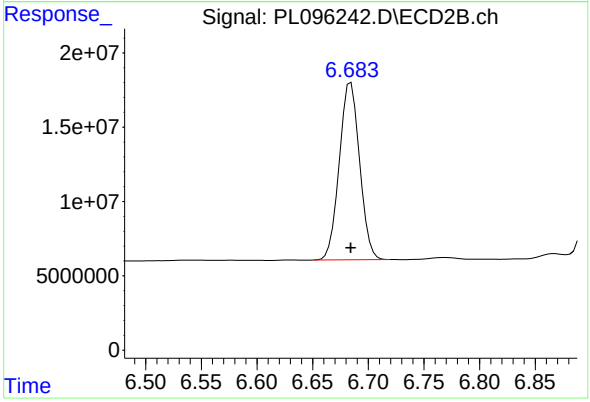
#19 Endosulfan Sulfate

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



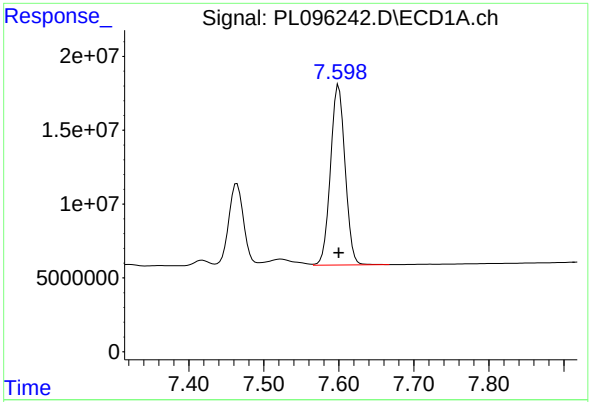
#20 Methoxychlor

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



#20 Methoxychlor

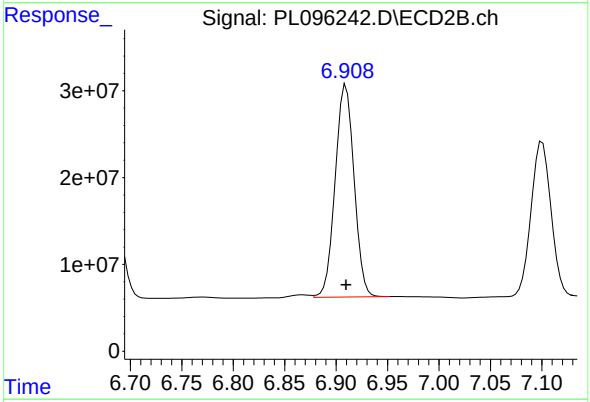
R.T.: 6.684 min
Delta R.T.: 0.000 min
Response: 151388159
Conc: 50.00 ng/ml



#21 Endrin ketone

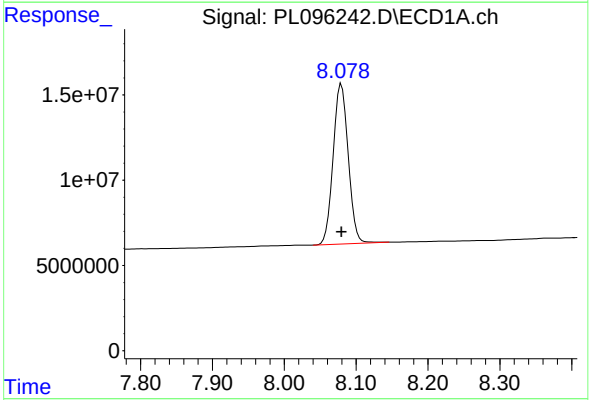
R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 164944167
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



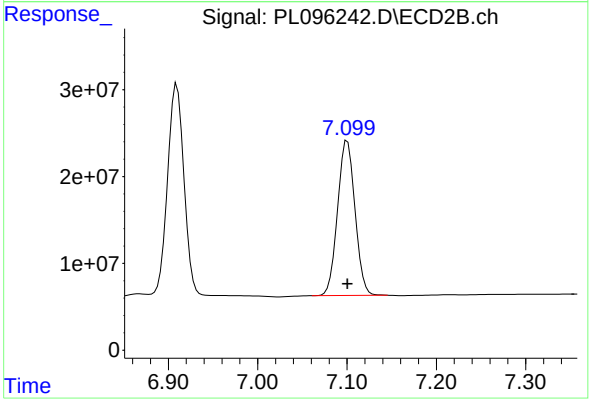
#21 Endrin ketone

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



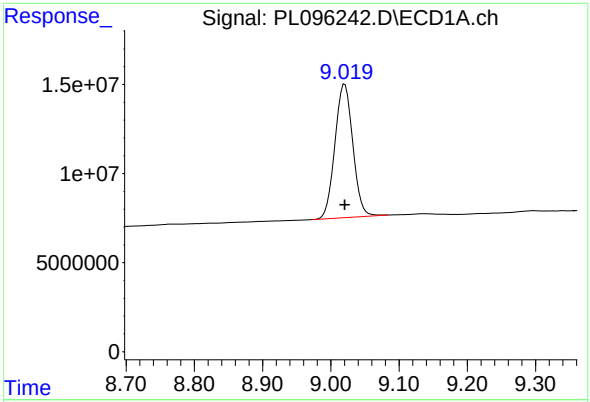
#22 Mirex

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



#22 Mirex

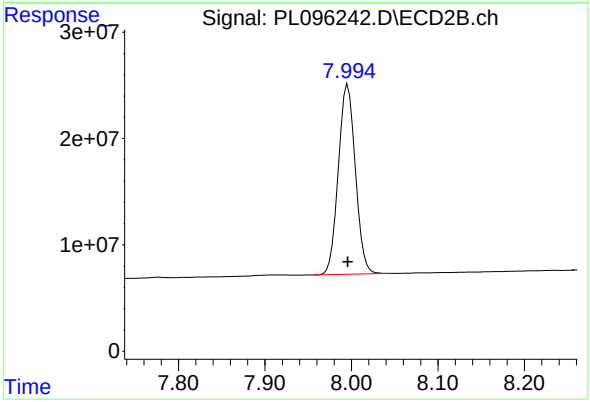
R.T.: 7.100 min
Delta R.T.: 0.000 min
Response: 241930143
Conc: 50.00 ng/ml



#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

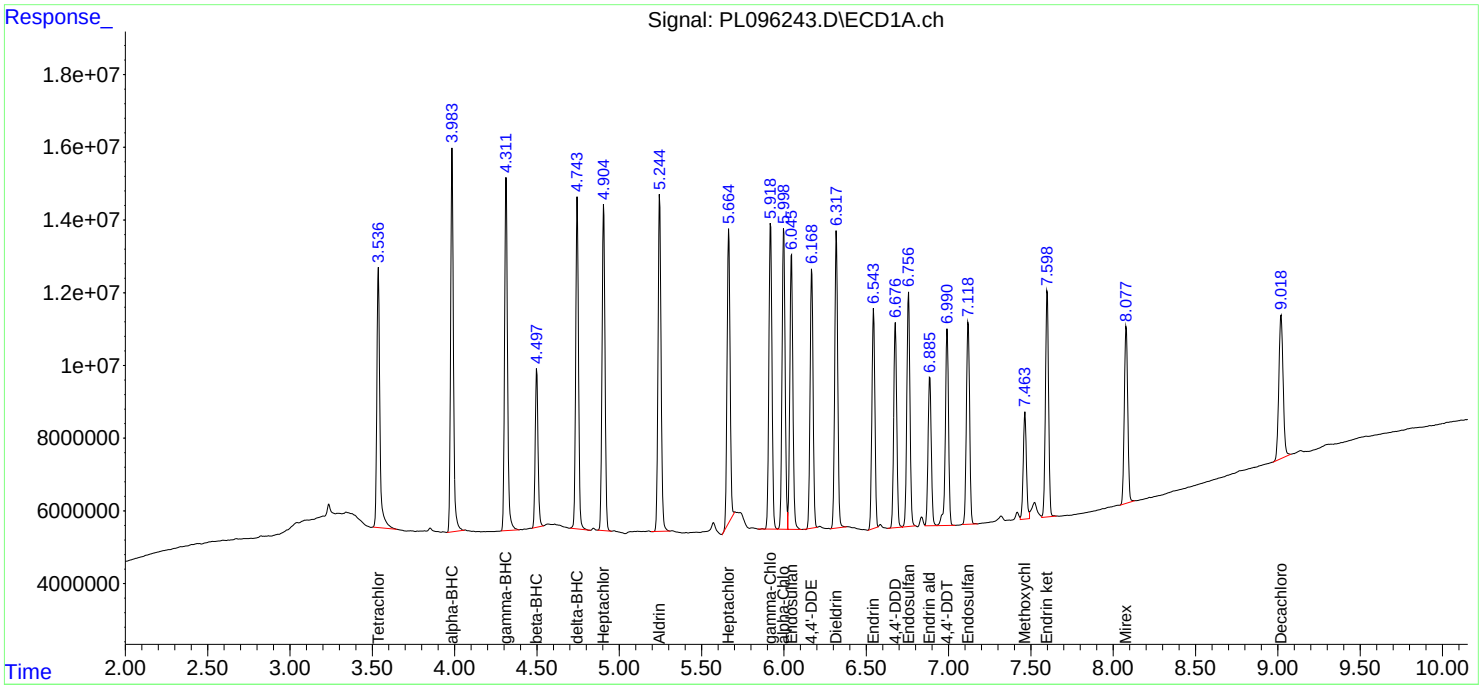
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

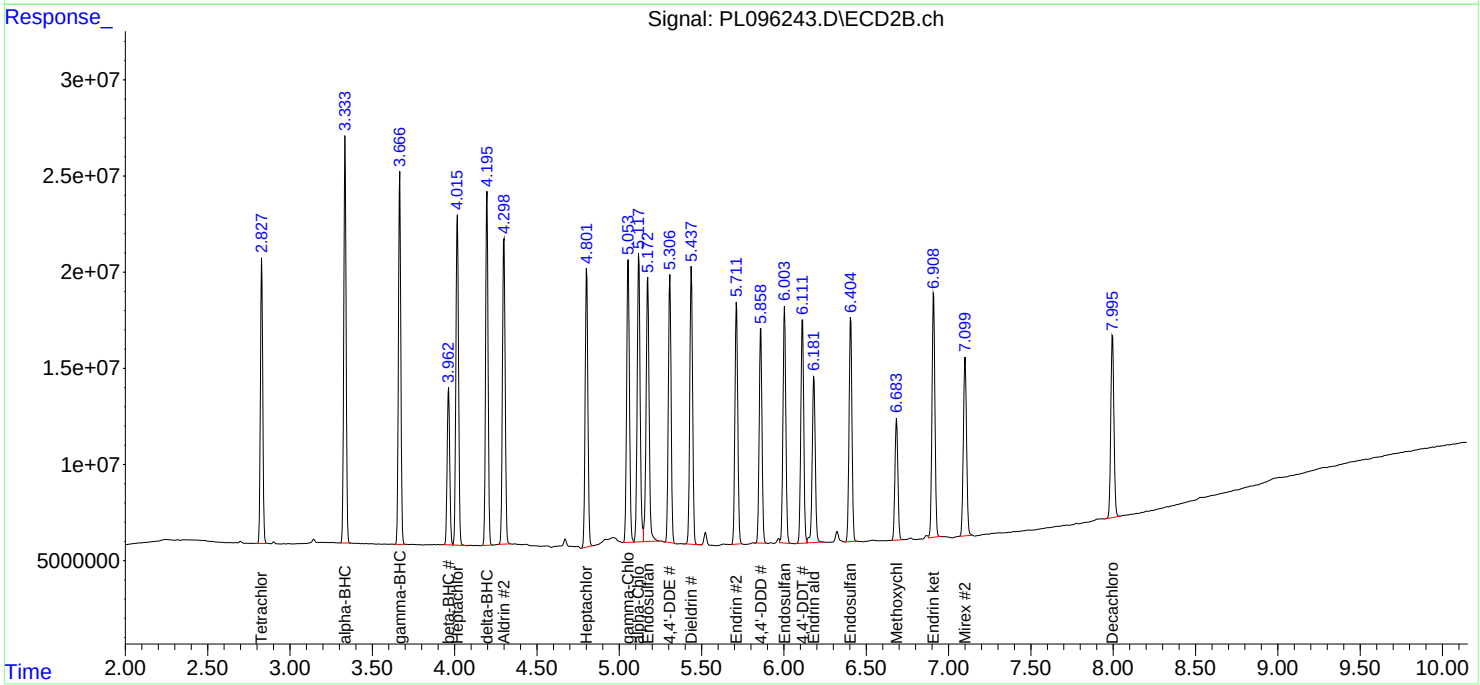
Manual Integrations APPROVED

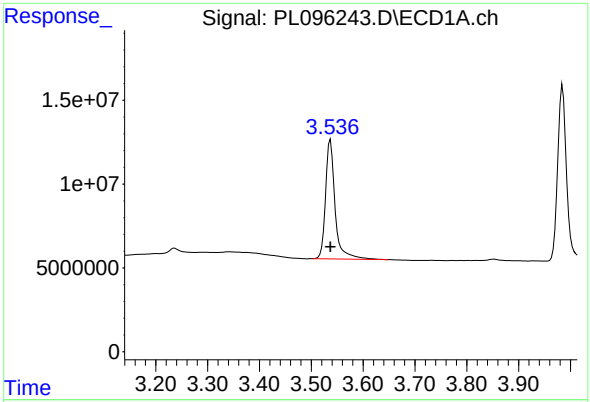
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

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

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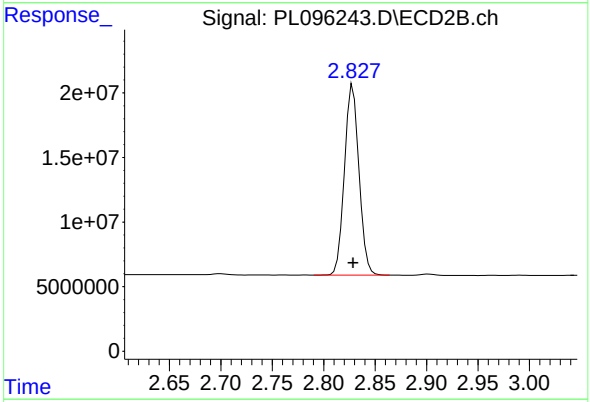
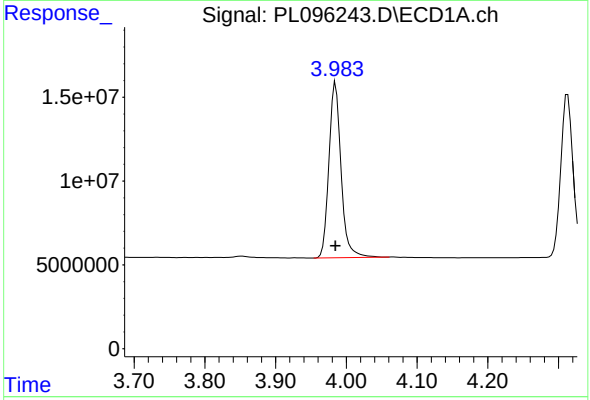


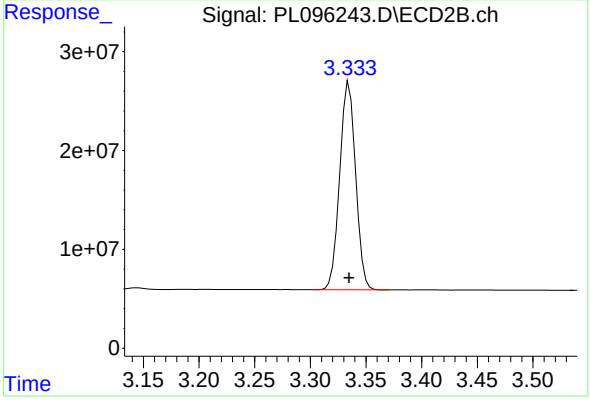
#1 Tetrachloro-m-xylene

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



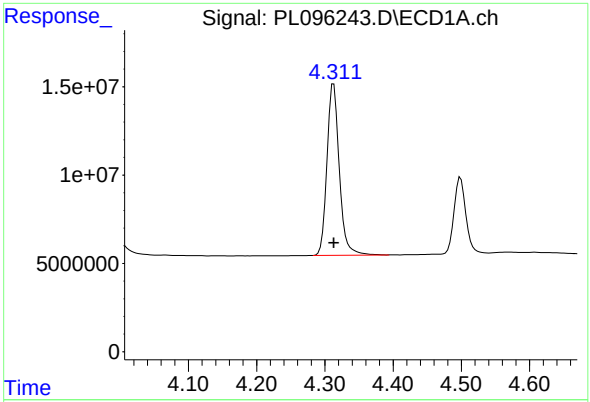
#2 alpha-BHC

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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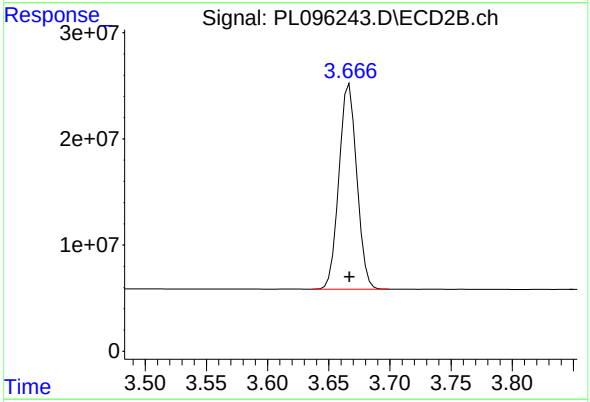
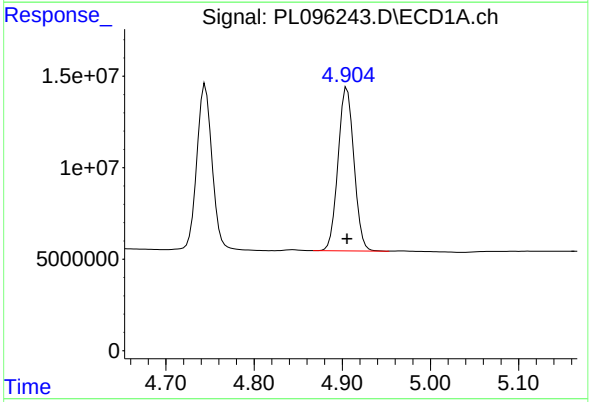


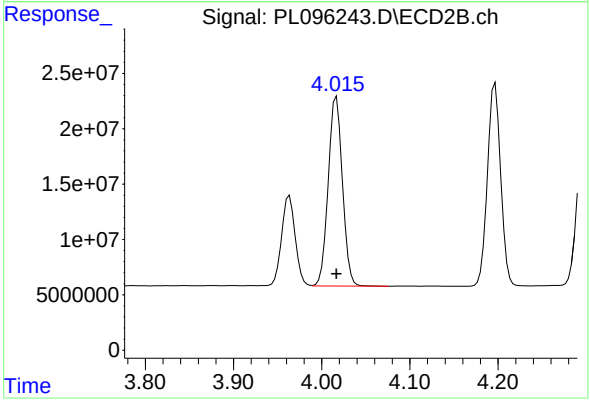
#3 gamma-BHC (Lindane)

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



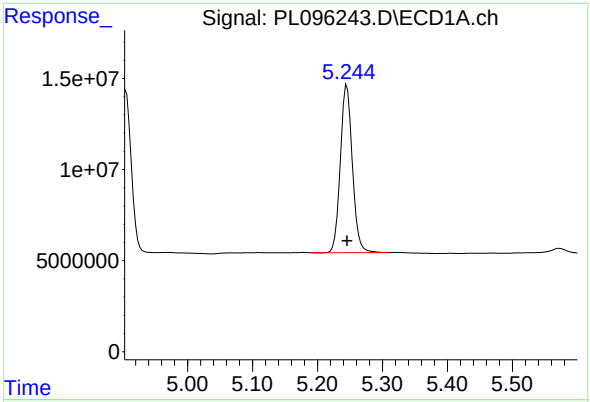
#4 Heptachlor

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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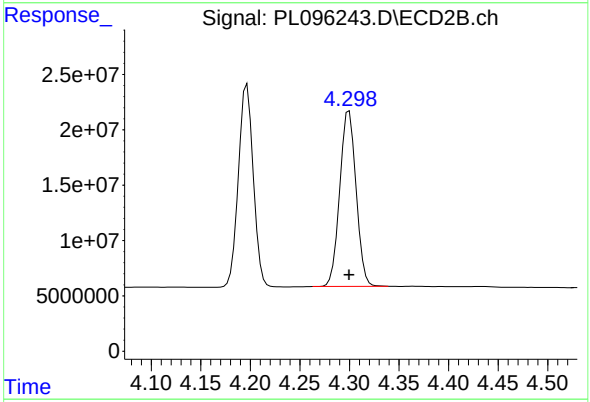
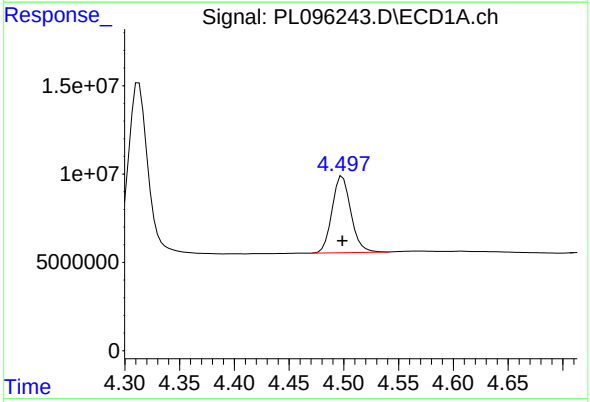


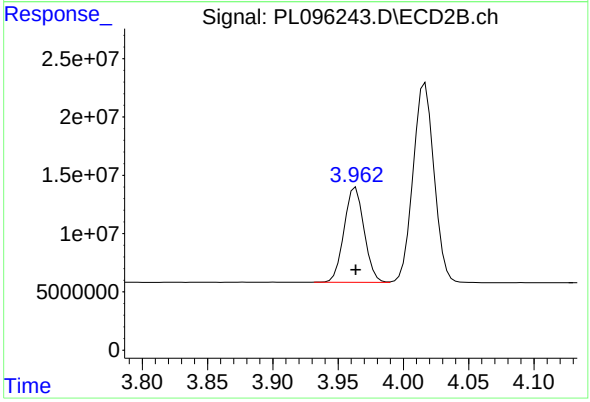
#5 Aldrin

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



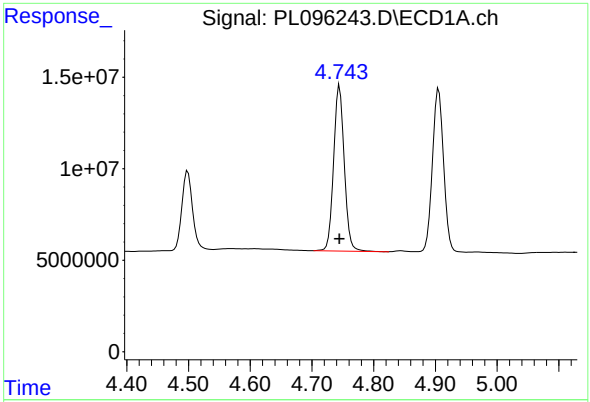
#6 beta-BHC

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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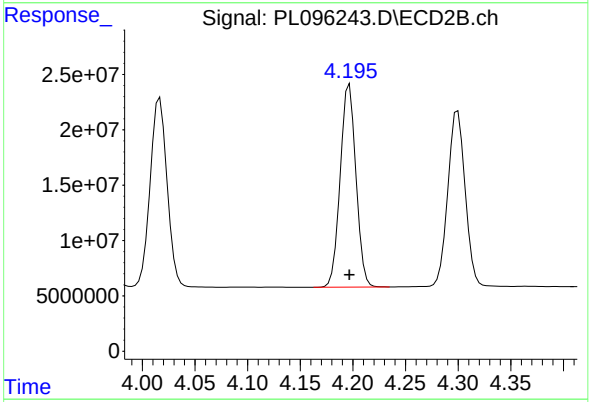
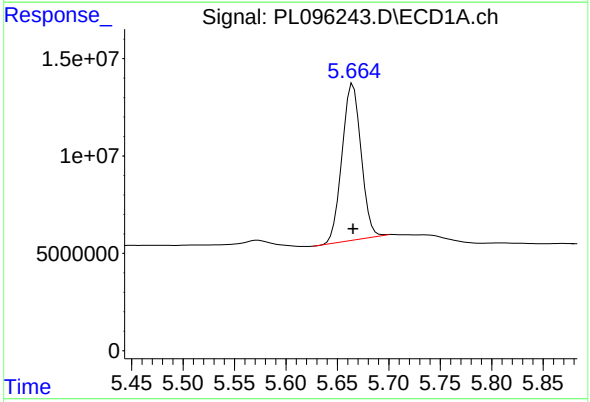
Supervised By :mohammad ahmed 07/09/2025



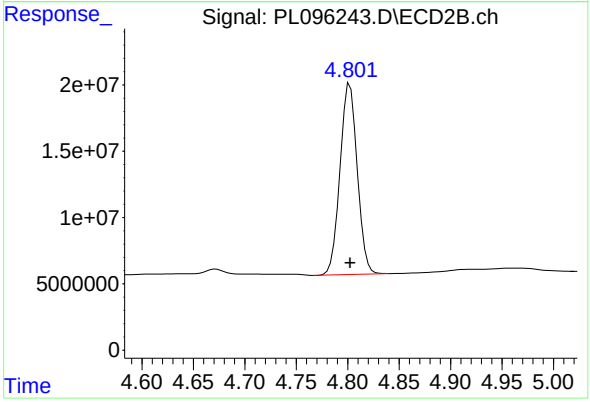
#7 delta-BHC

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



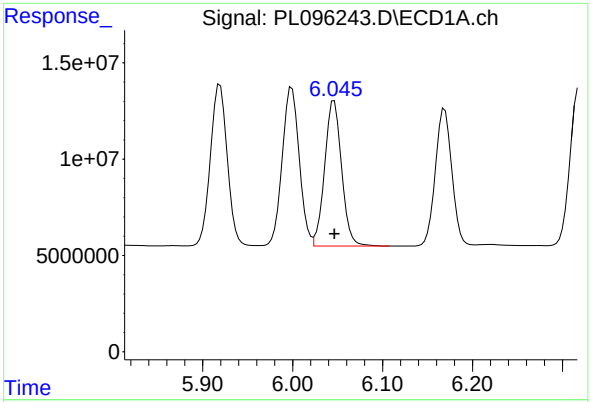
#8 Heptachlor epoxide

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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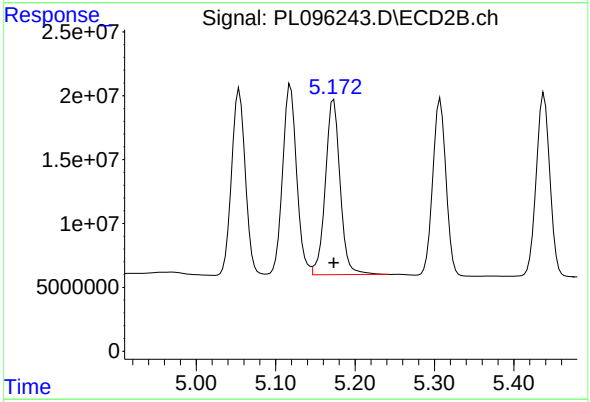
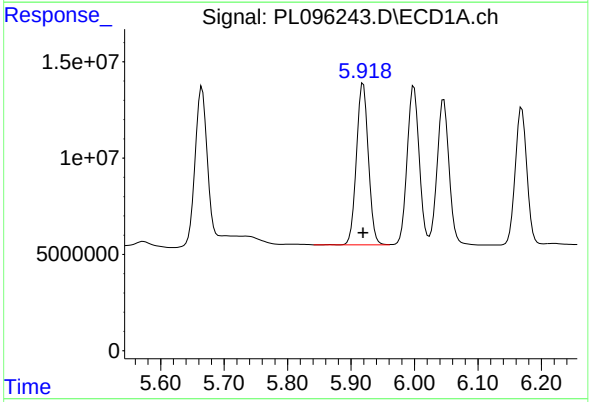
Supervised By :mohammad ahmed 07/09/2025



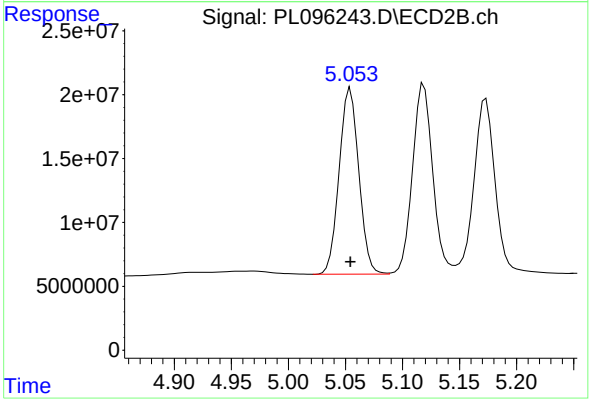
#9 Endosulfan I

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



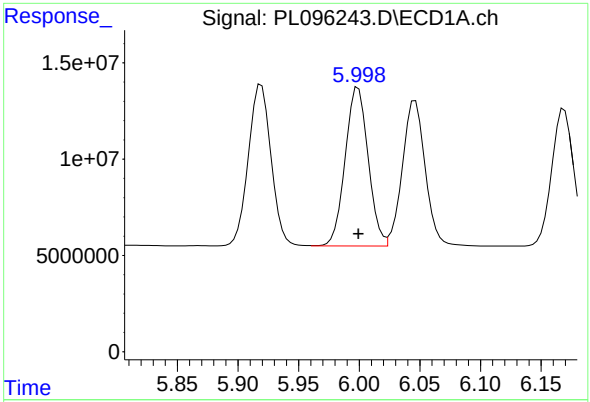
#10 gamma-Chlordane

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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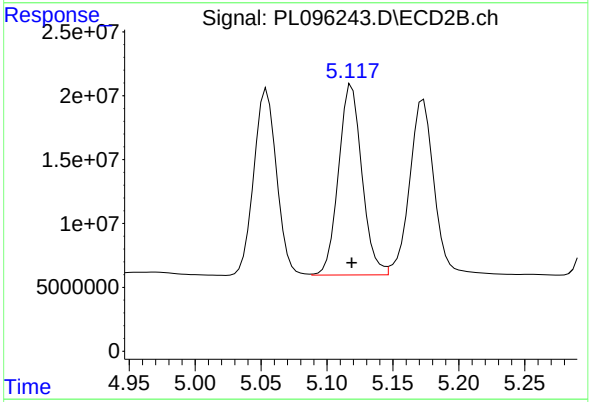
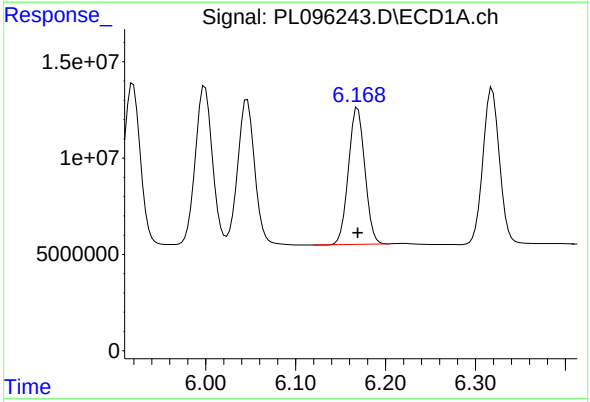


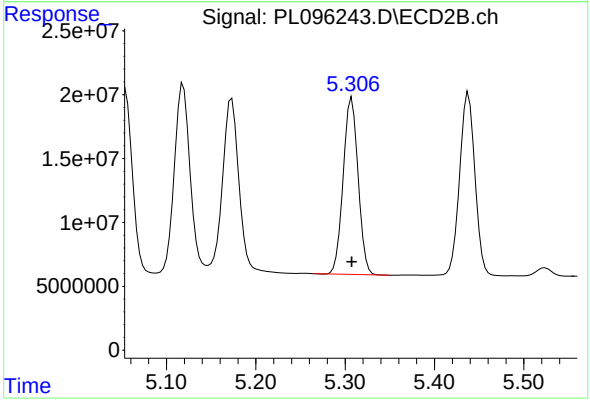
#11 alpha-Chlordane

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



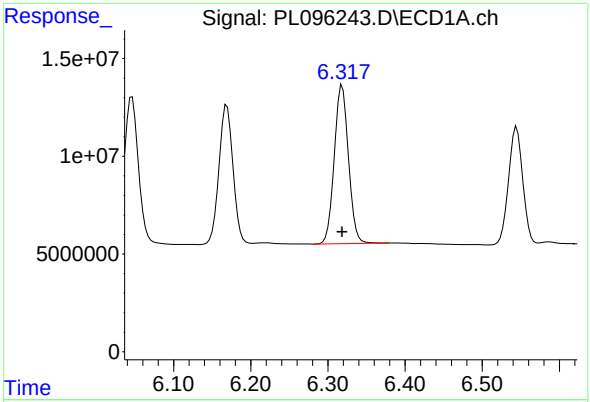
#12 4,4'-DDE

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

Manual Integrations APPROVED

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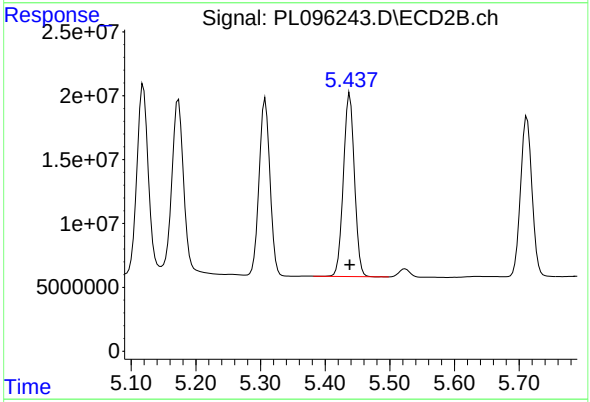
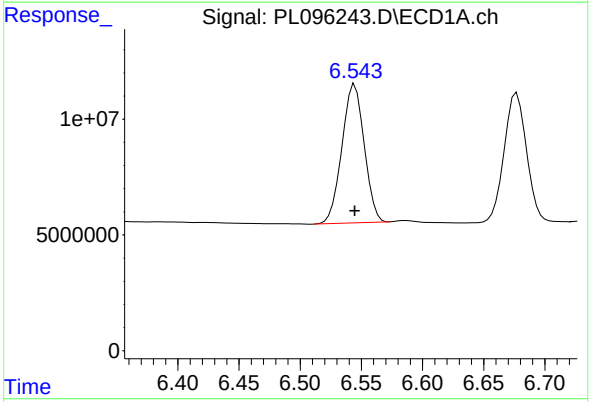


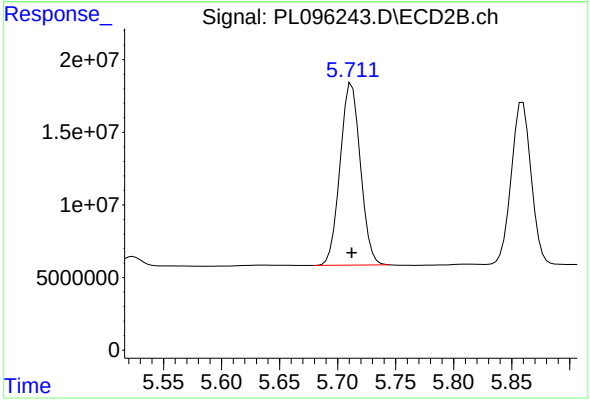
#13 Dieldrin

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



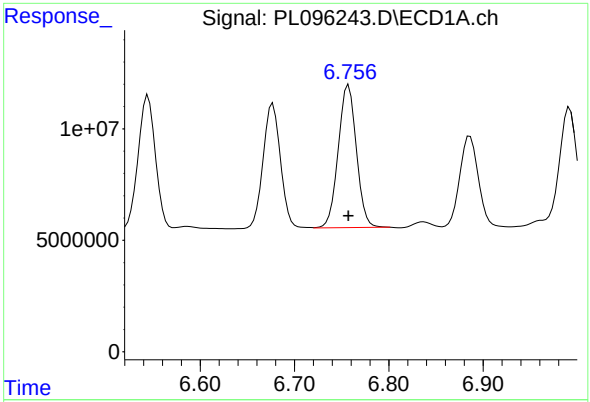
#14 Endrin

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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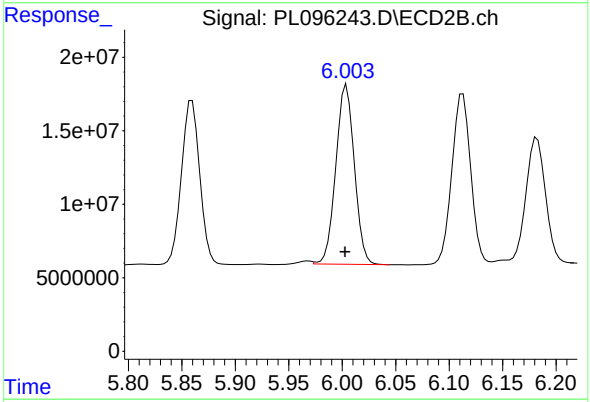
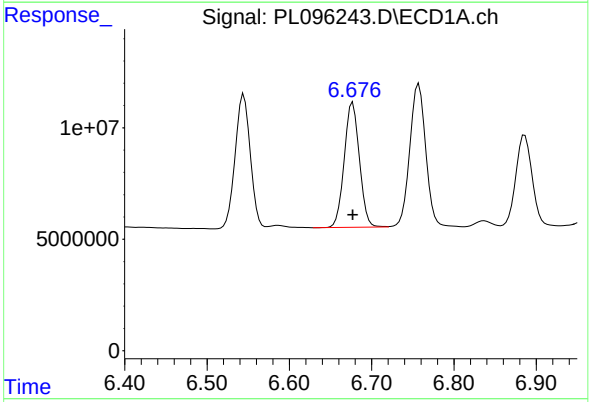


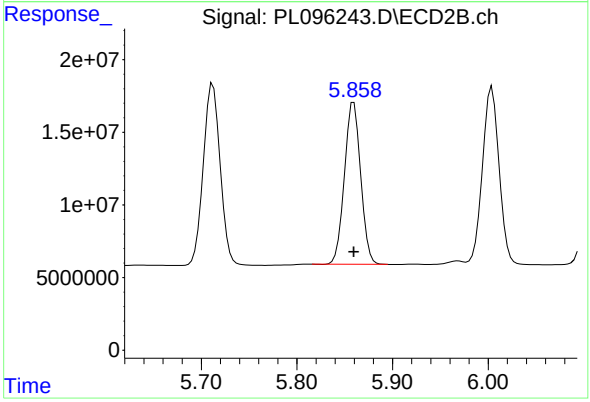
#15 Endosulfan II

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



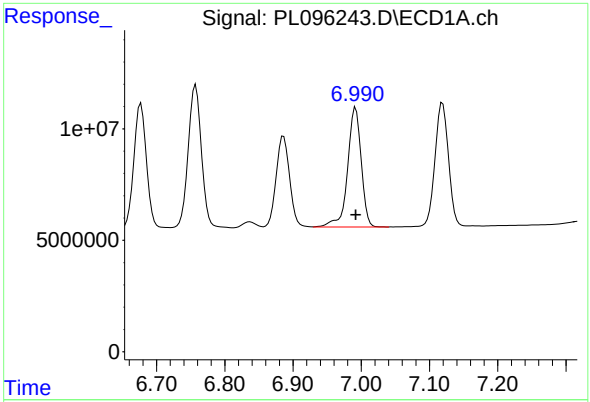
#16 4,4'-DDD

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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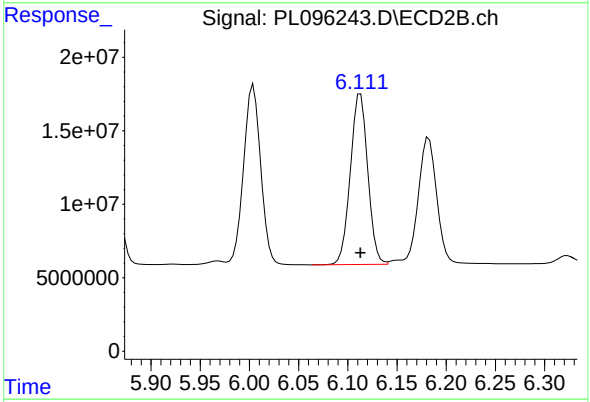
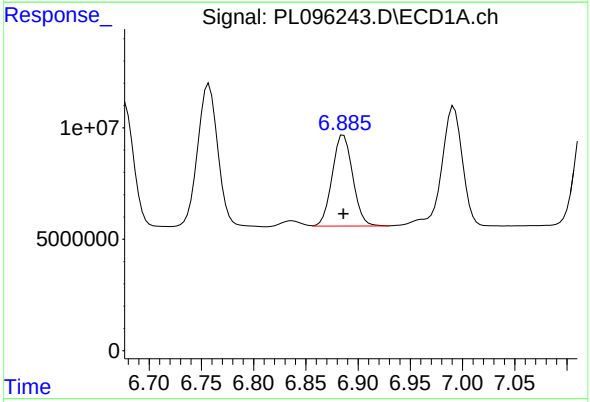


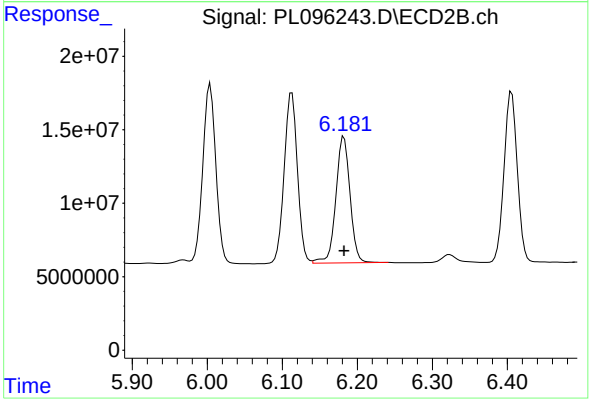
#17 4,4'-DDT

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



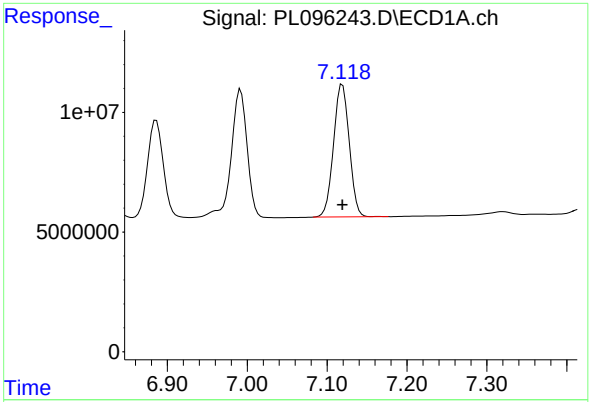
#18 Endrin aldehyde

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



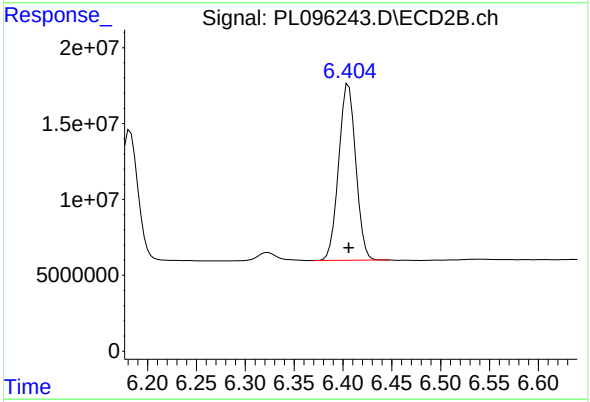
#19 Endosulfan Sulfate

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

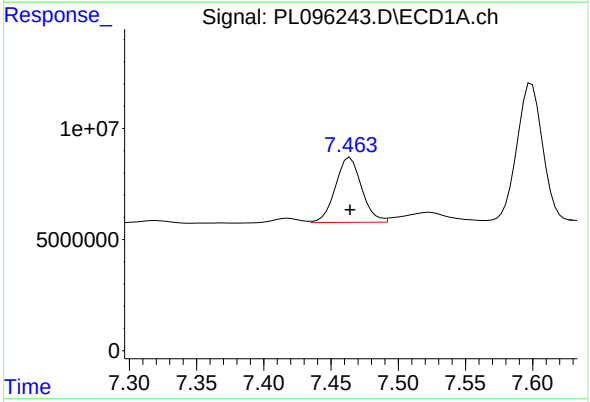
Manual Integrations APPROVED

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



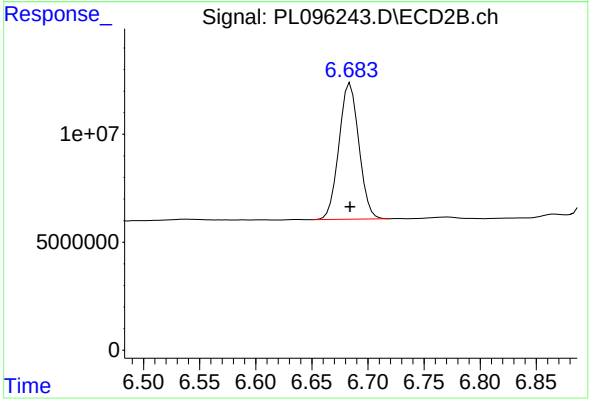
#19 Endosulfan Sulfate

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



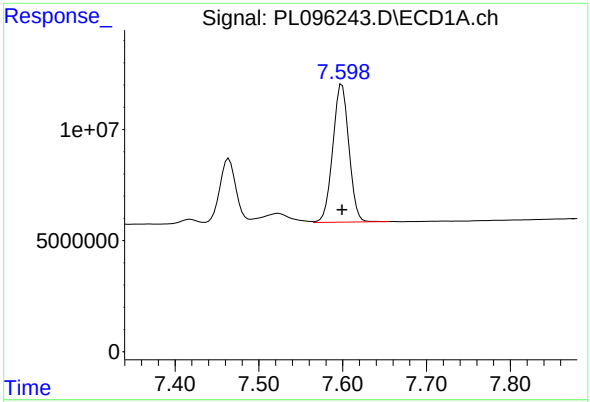
#20 Methoxychlor

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



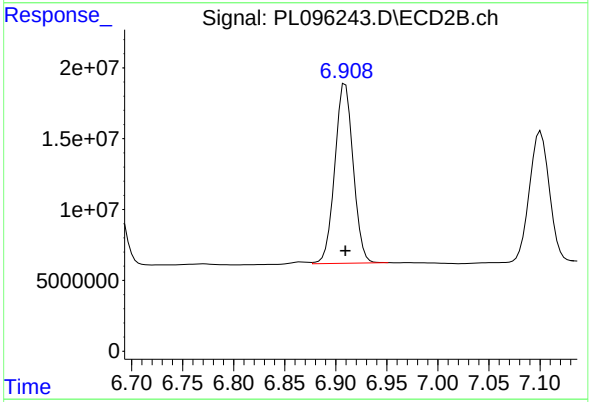
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

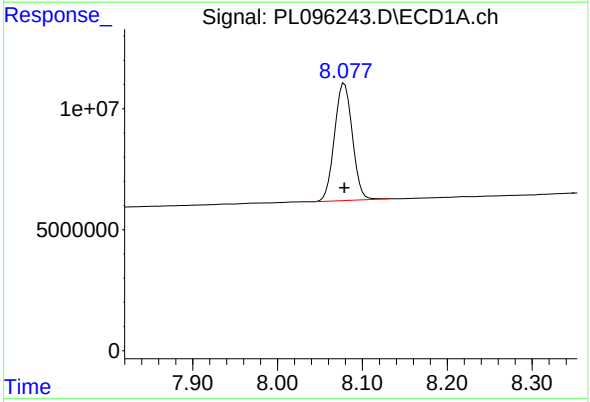
Manual Integrations APPROVED

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



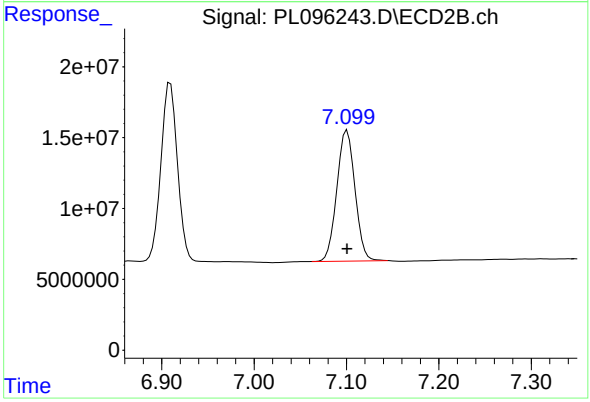
#21 Endrin ketone

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



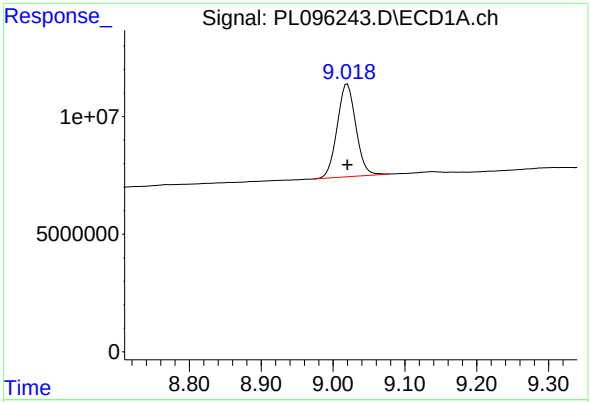
#22 Mirex

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



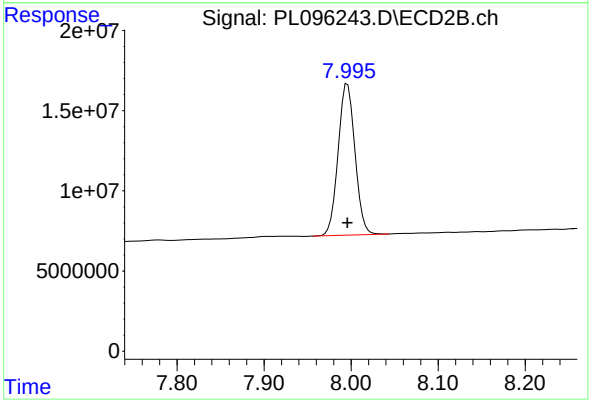
#28 Decachlorobiphenyl

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

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: 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

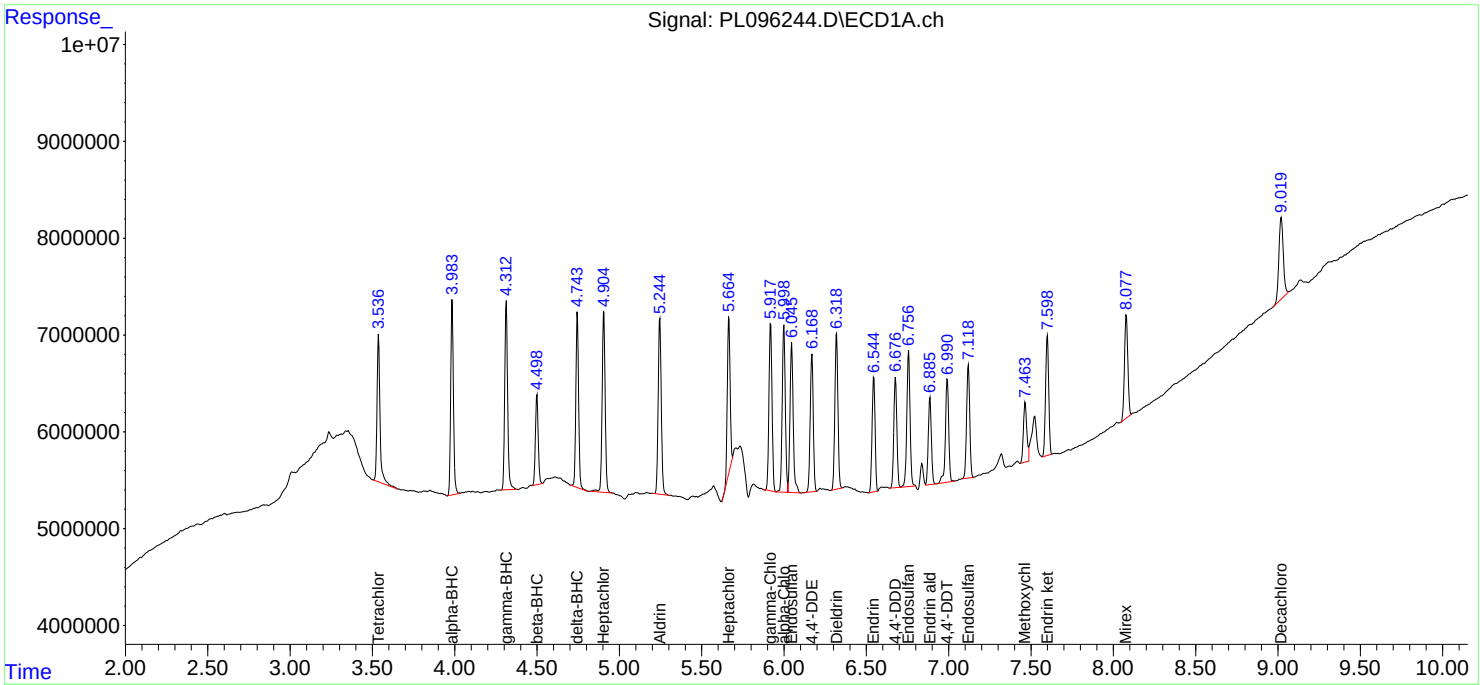
Instrument :
ECD_L
ClientSampleId :
PSTDICC005

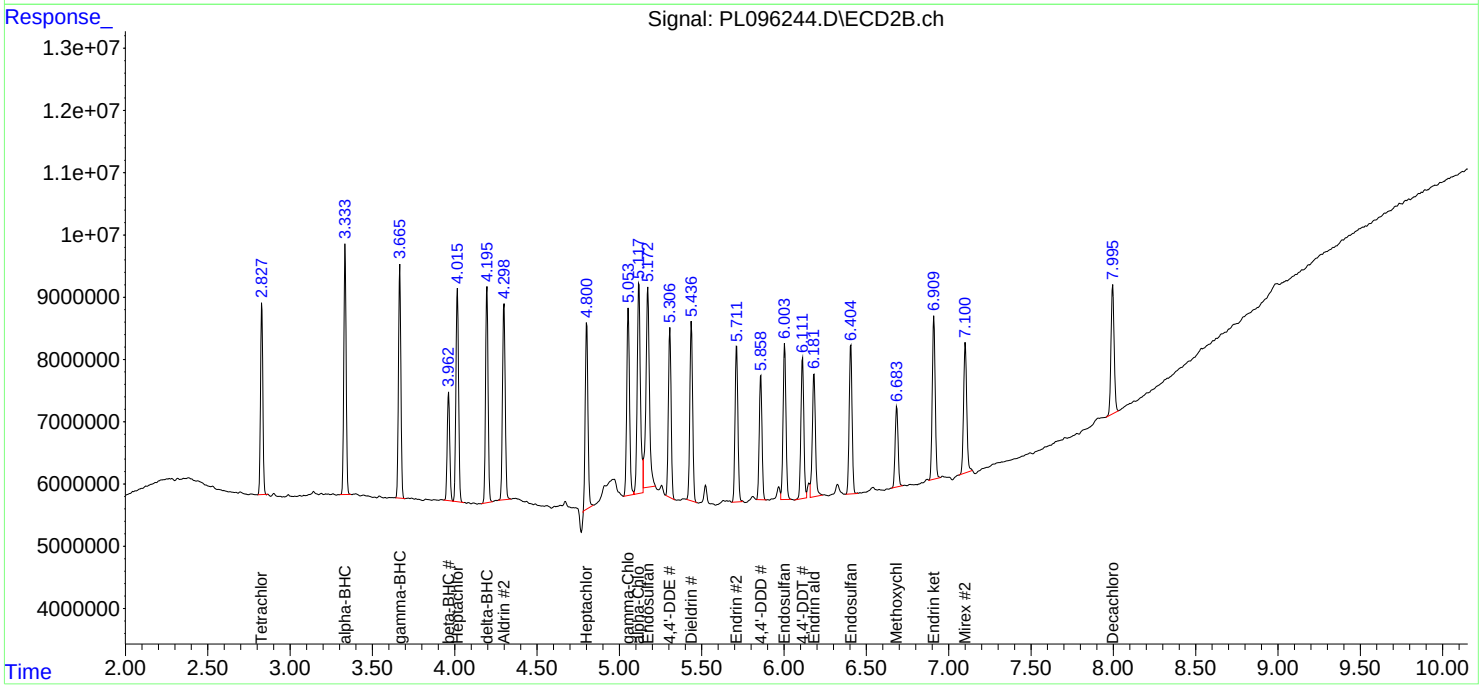
Manual Integrations APPROVED

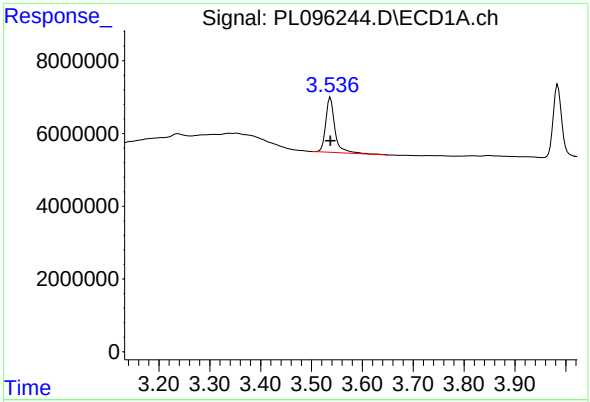
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

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







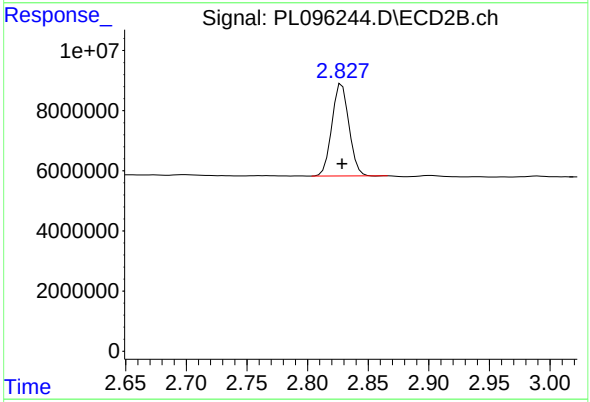
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

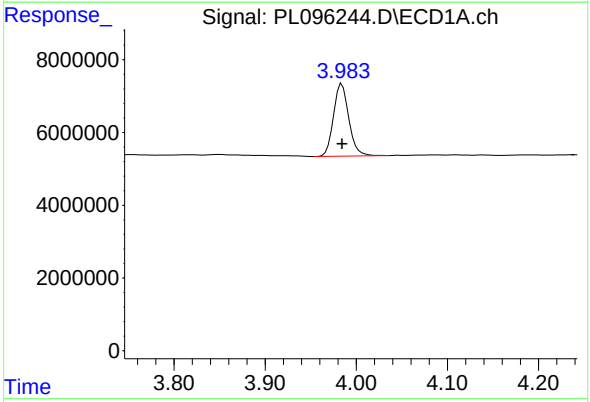
Manual Integrations APPROVED

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



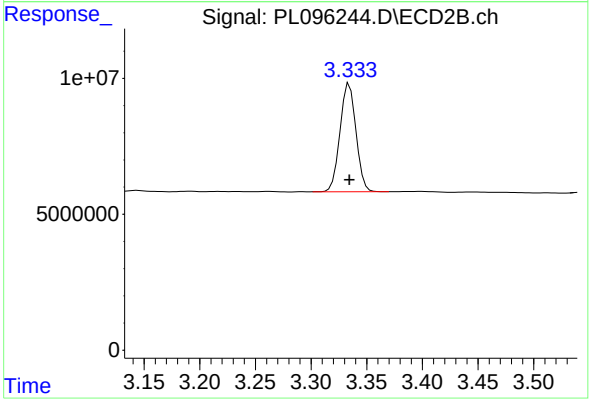
#1 Tetrachloro-m-xylene

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



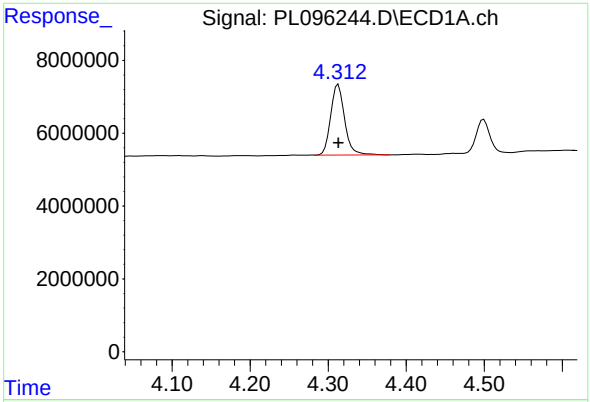
#2 alpha-BHC

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



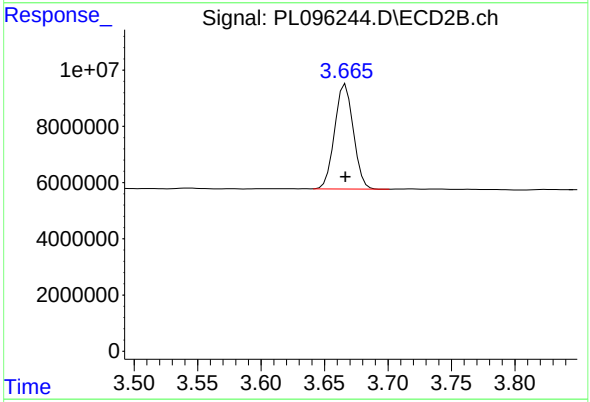
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

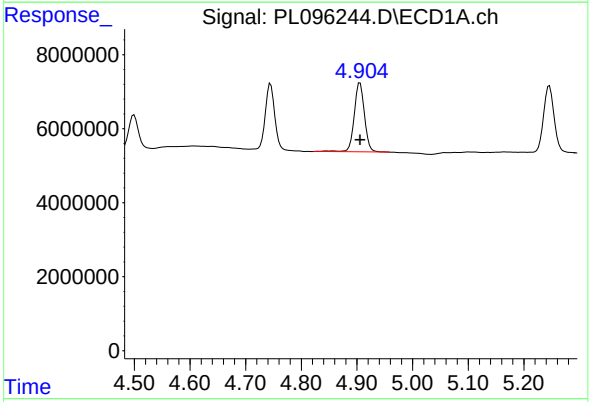
Manual Integrations APPROVED

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



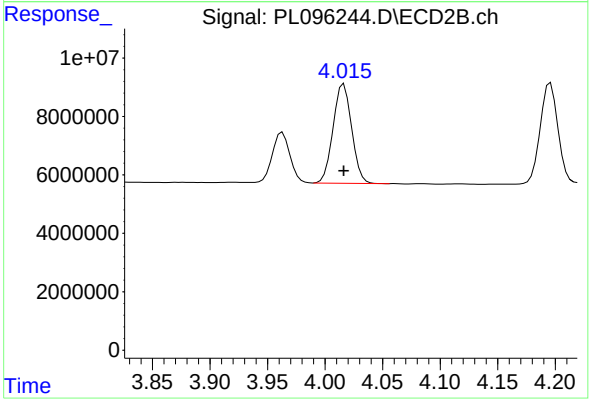
#3 gamma-BHC (Lindane)

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



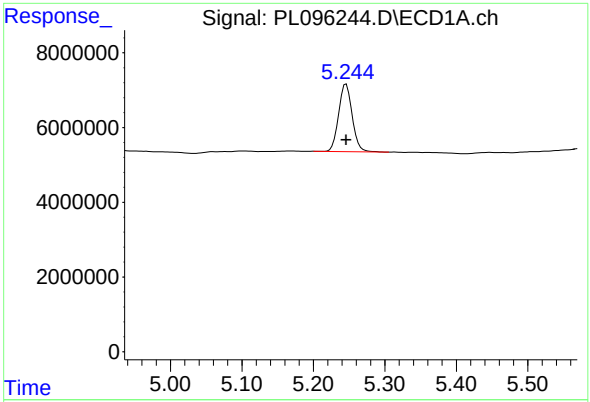
#4 Heptachlor

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



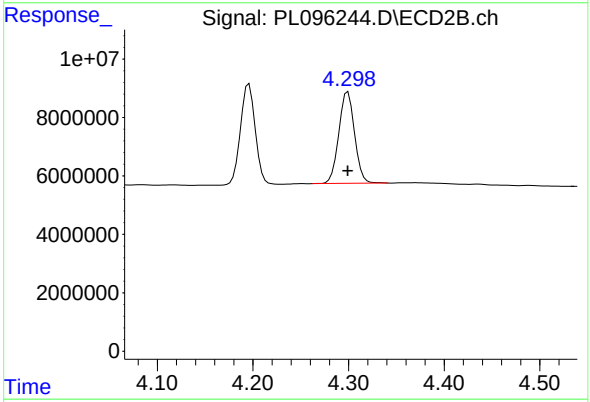
#5 Aldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

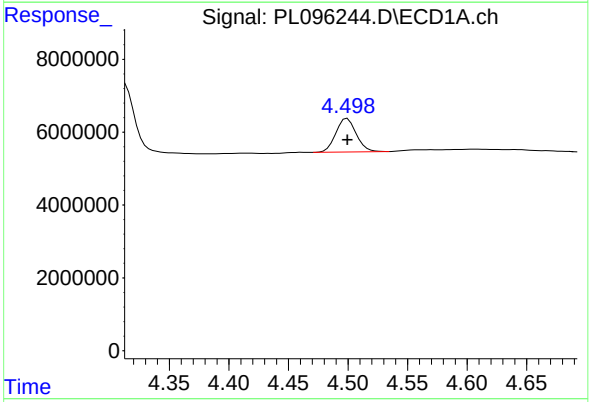
Manual Integrations APPROVED

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



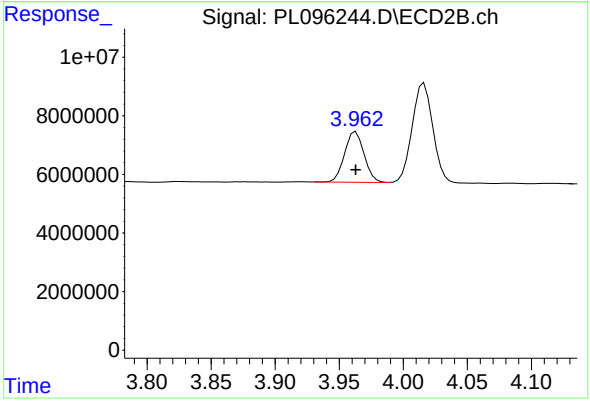
#5 Aldrin

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



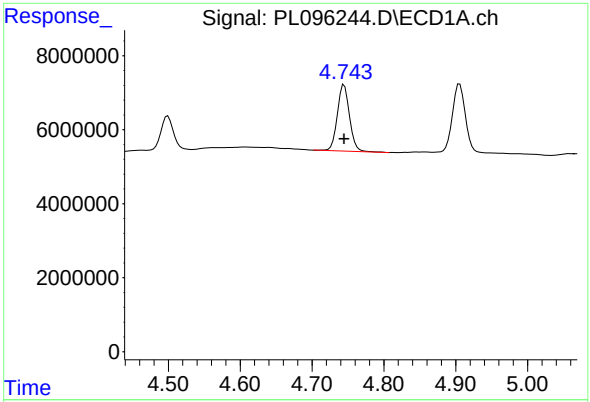
#6 beta-BHC

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



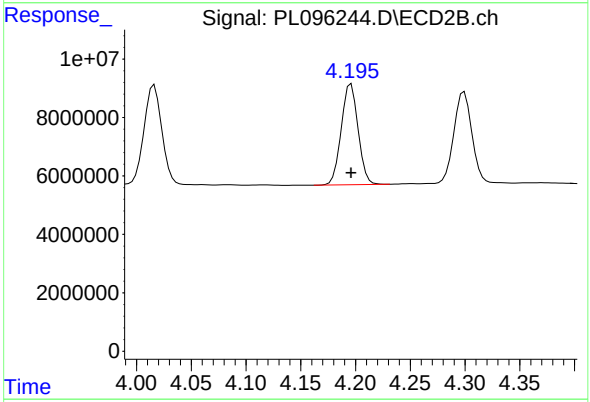
#7 delta-BHC

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

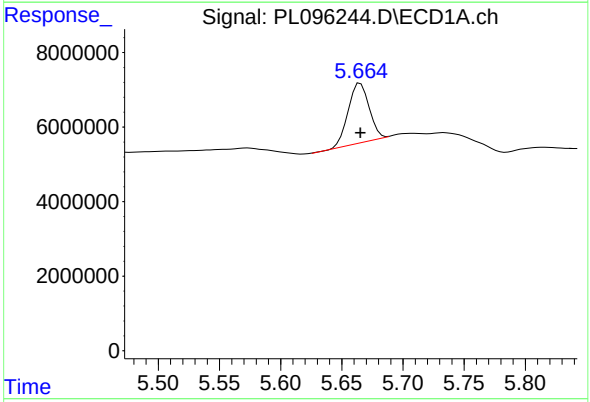
Manual Integrations APPROVED

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



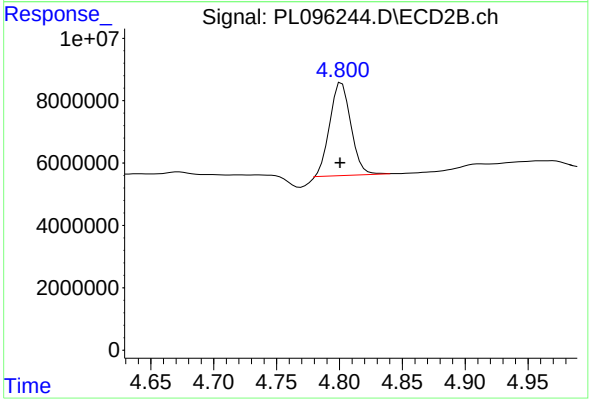
#7 delta-BHC

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



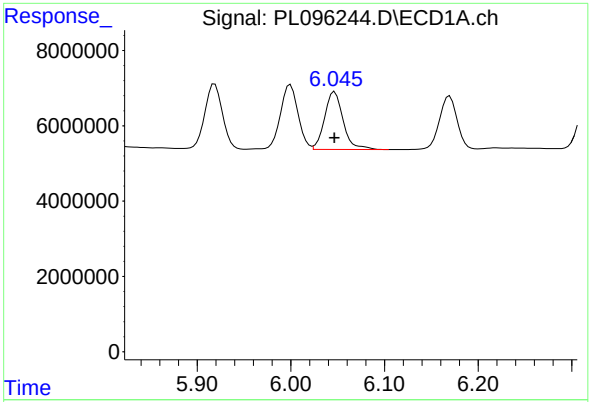
#8 Heptachlor epoxide

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



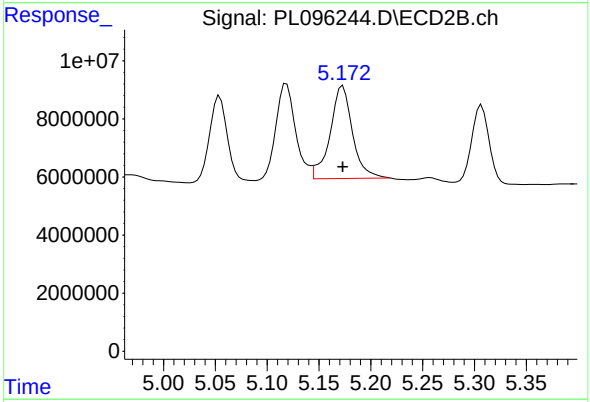
#9 Endosulfan I

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

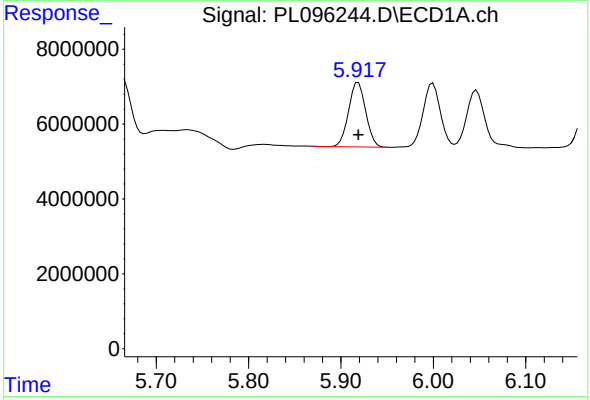
Manual Integrations APPROVED

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



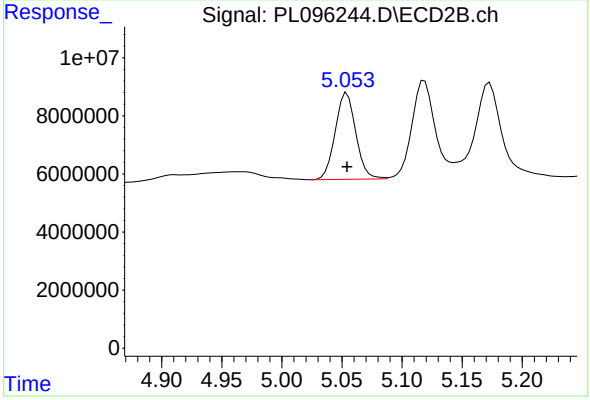
#9 Endosulfan I

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



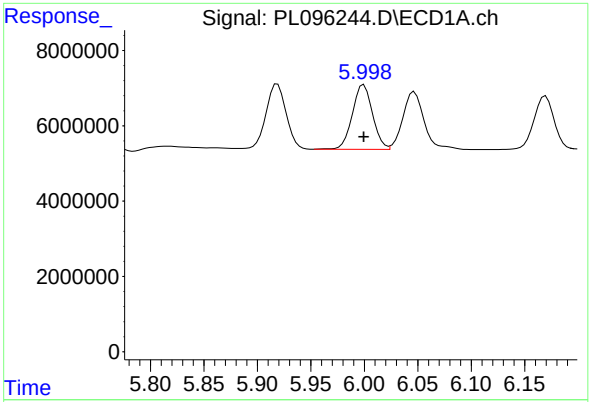
#10 gamma-Chlordane

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



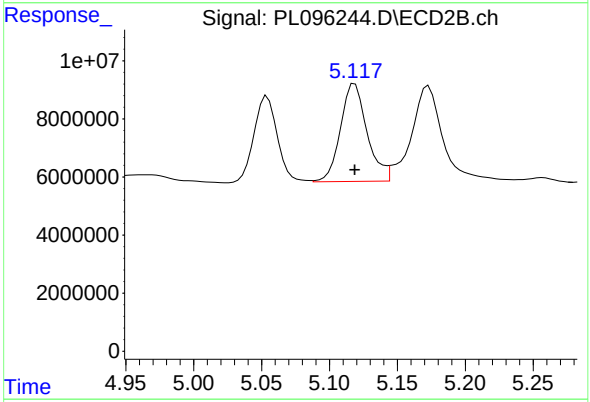
#11 alpha-Chlordane

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

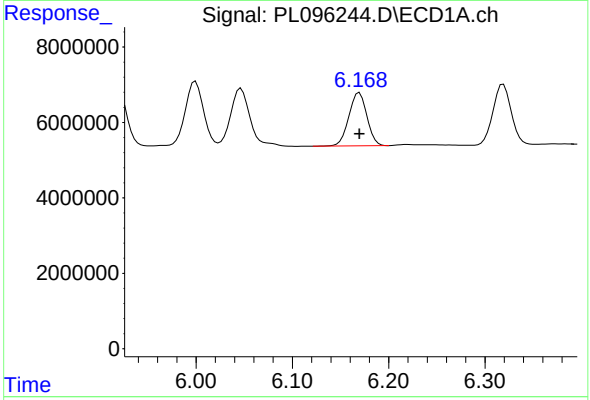
Manual Integrations APPROVED

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



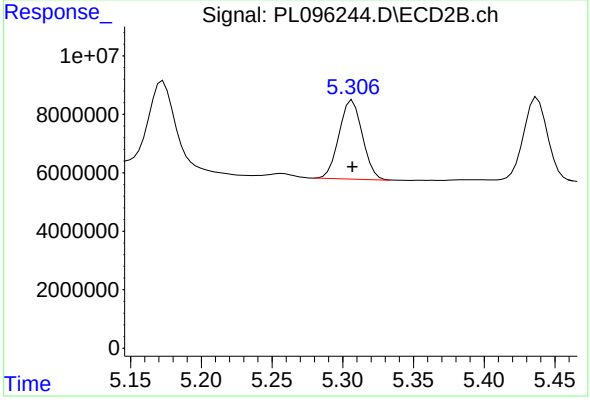
#11 alpha-Chlordane

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



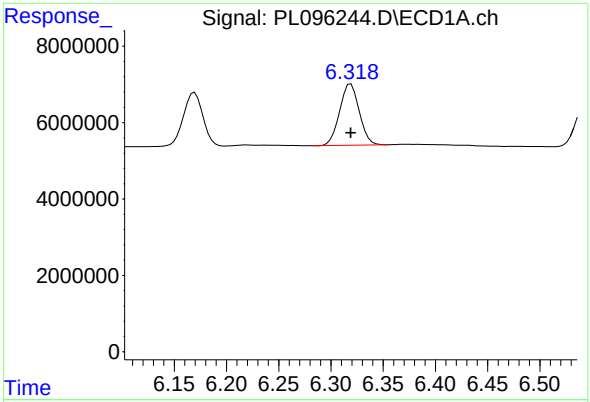
#12 4,4'-DDE

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



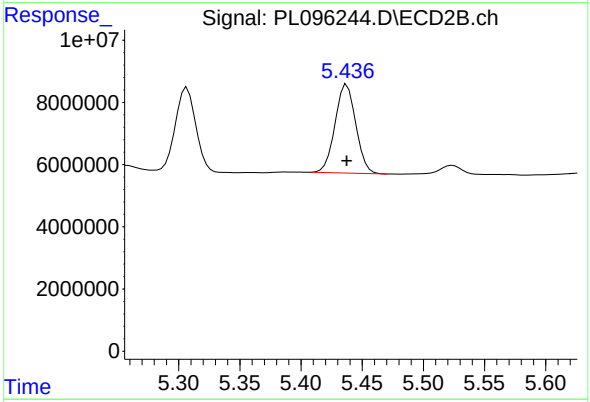
#13 Dieldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

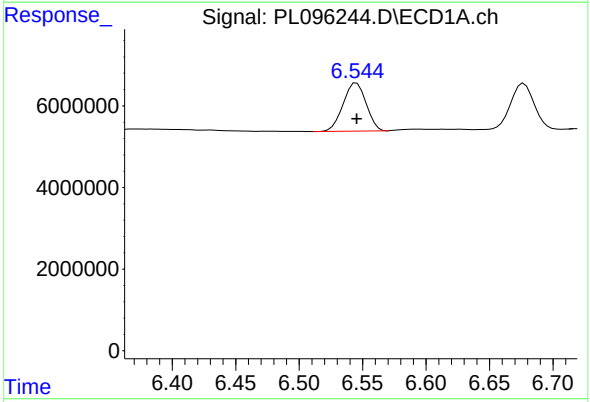
Manual Integrations APPROVED

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



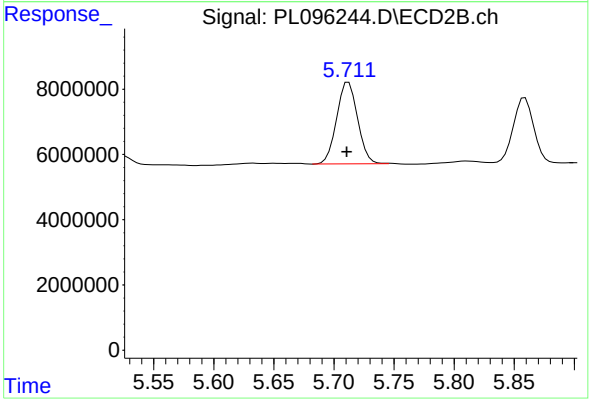
#13 Dieldrin

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



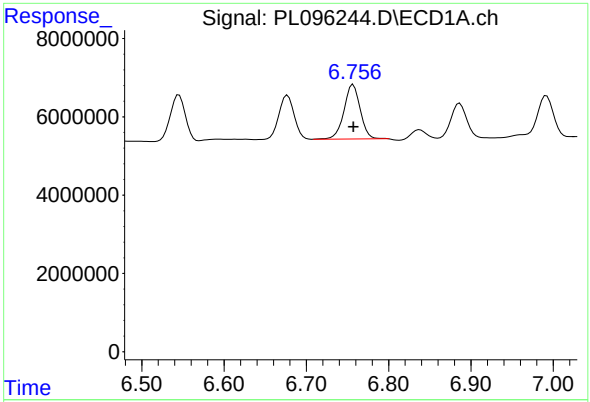
#14 Endrin

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



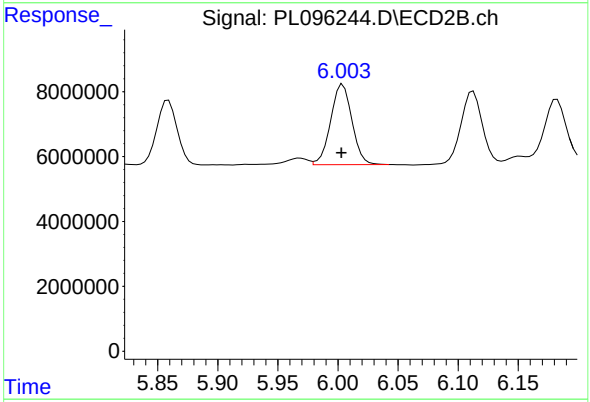
#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

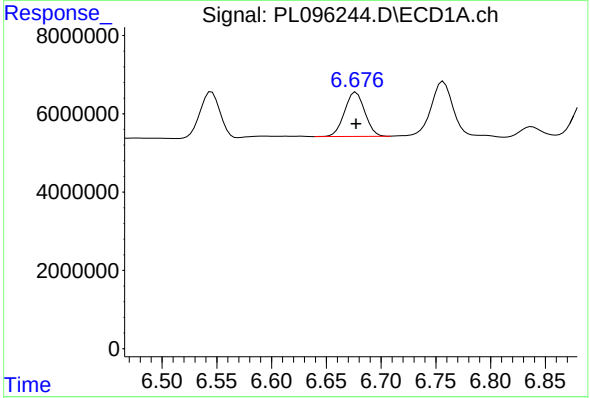
Manual Integrations APPROVED

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



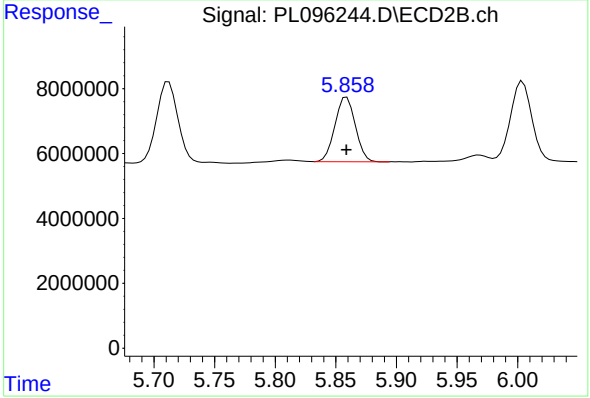
#15 Endosulfan II

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



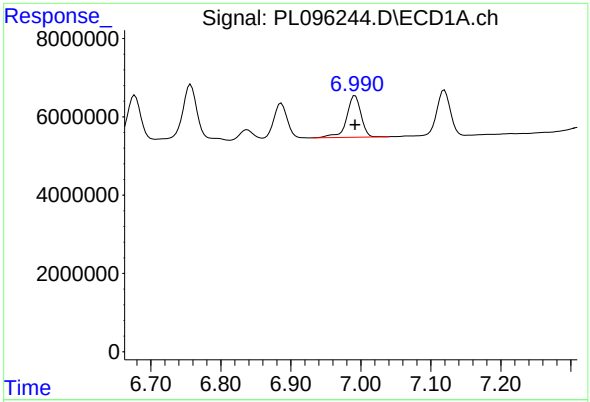
#16 4,4'-DDD

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

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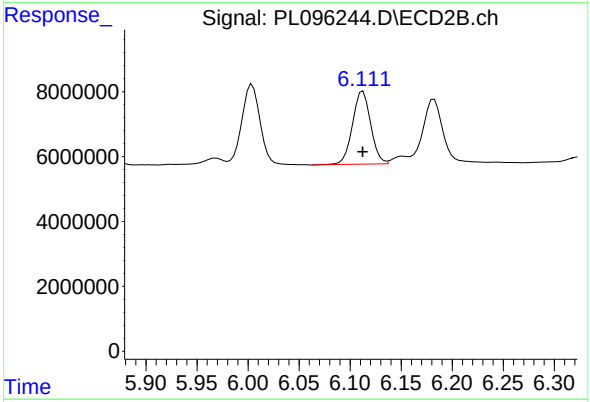
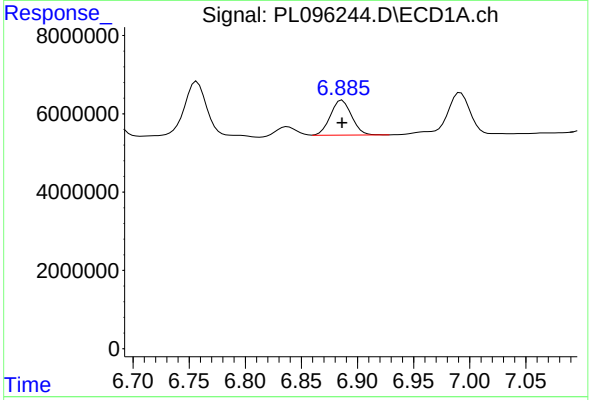
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025



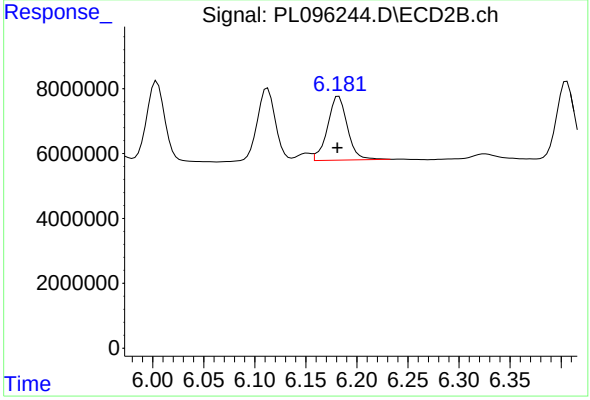
#17 4,4'-DDT

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



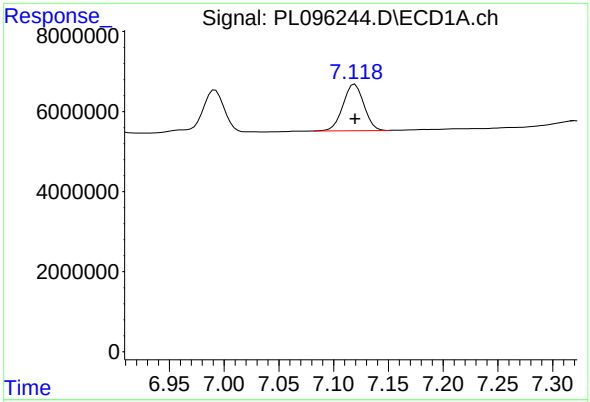
#18 Endrin aldehyde

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



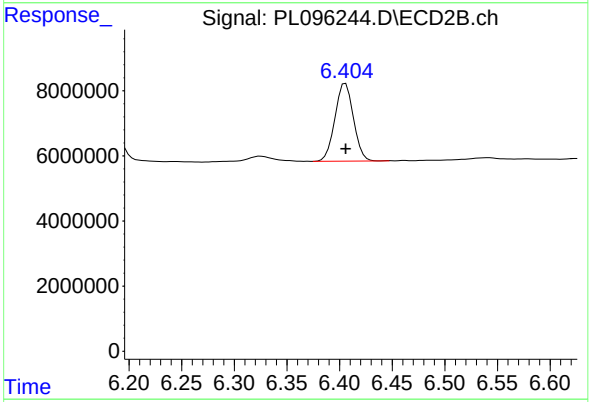
#19 Endosulfan Sulfate

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

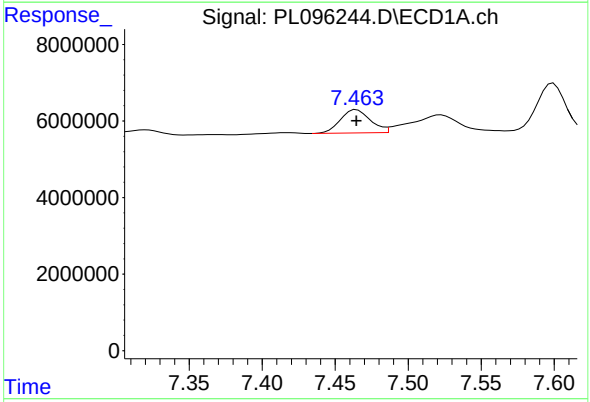
Manual Integrations APPROVED

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



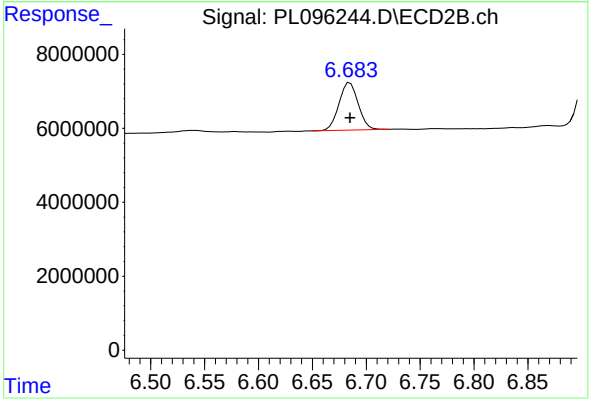
#19 Endosulfan Sulfate

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



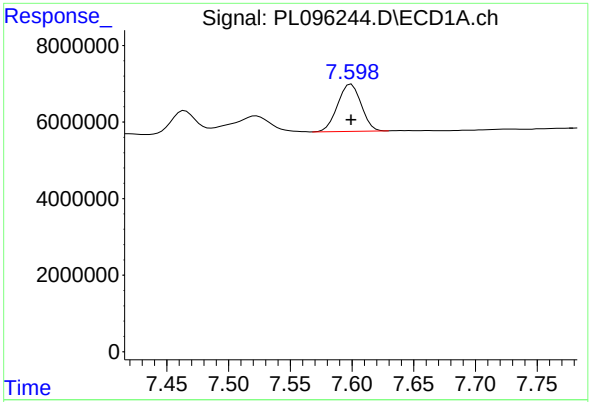
#20 Methoxychlor

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



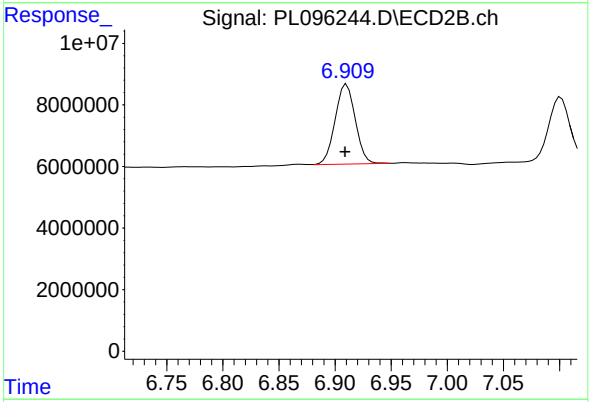
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

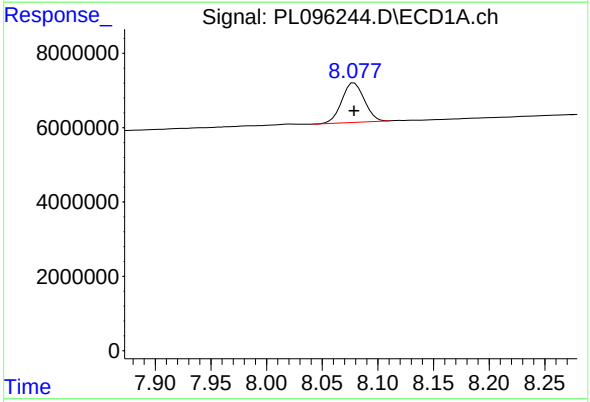
Manual Integrations APPROVED

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



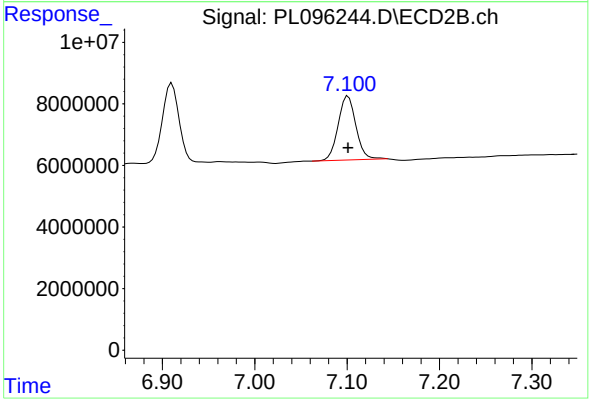
#21 Endrin ketone

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



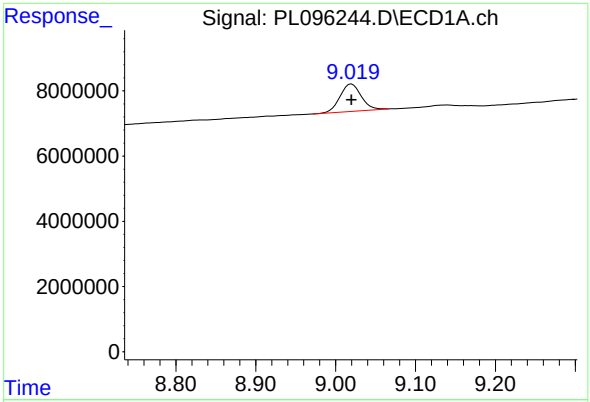
#22 Mirex

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



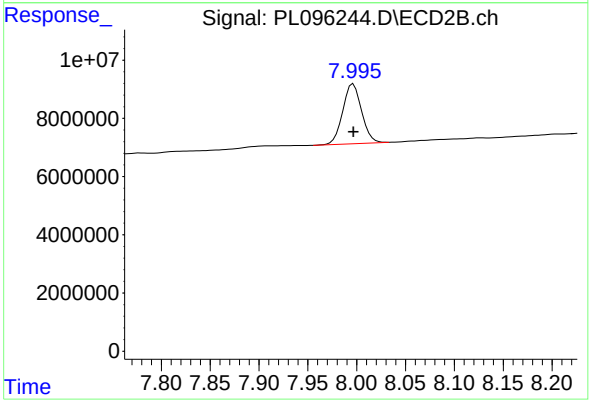
#28 Decachlorobiphenyl

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

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

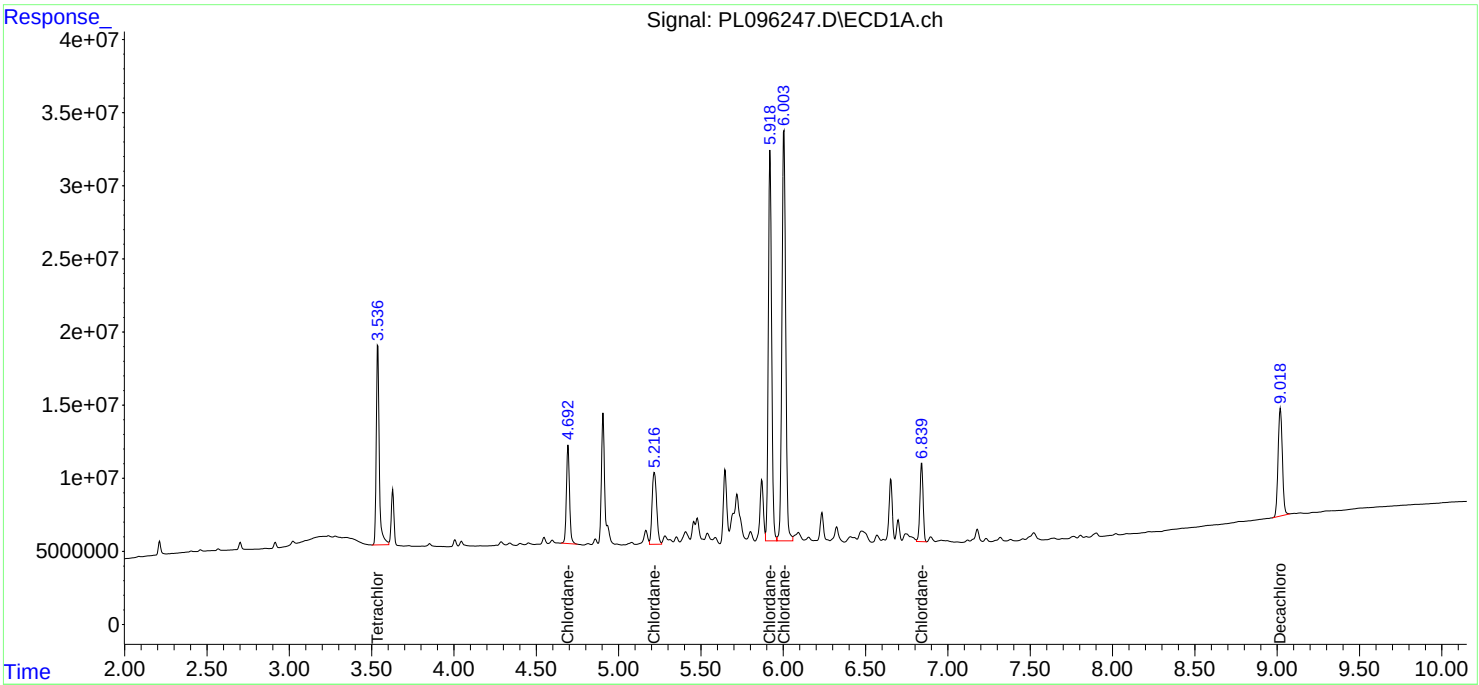
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

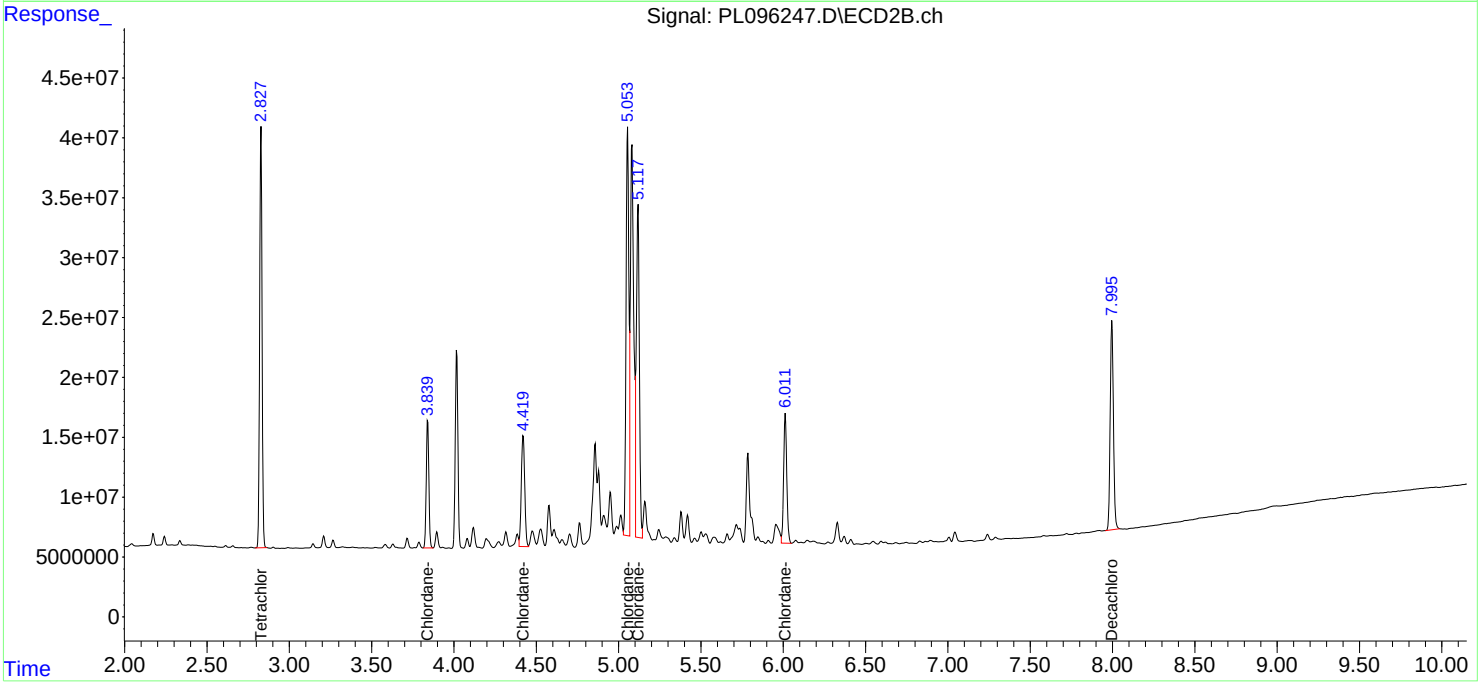
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096247.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 12:30
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

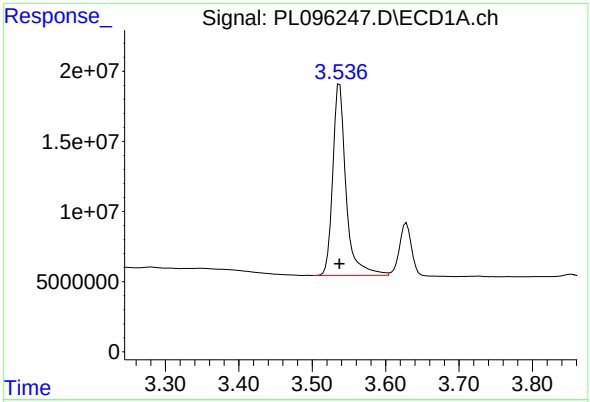
Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

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



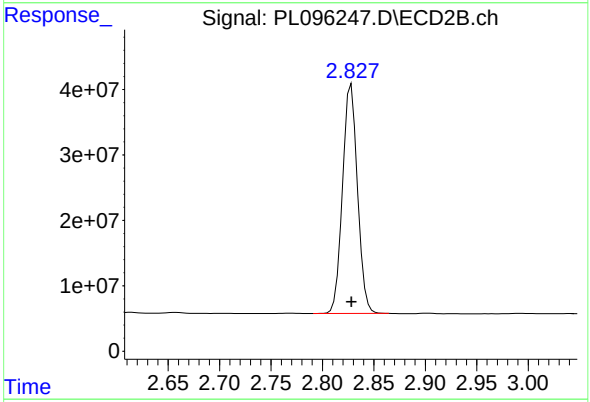




#1 Tetrachloro-m-xylene

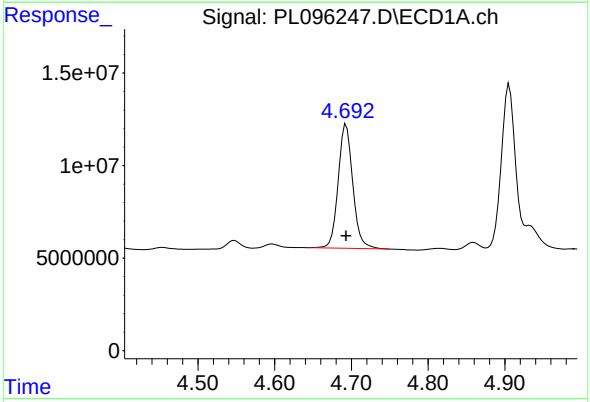
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 171642137
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



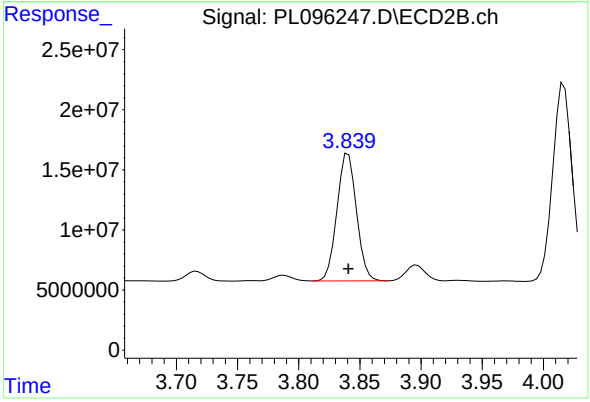
#1 Tetrachloro-m-xylene

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



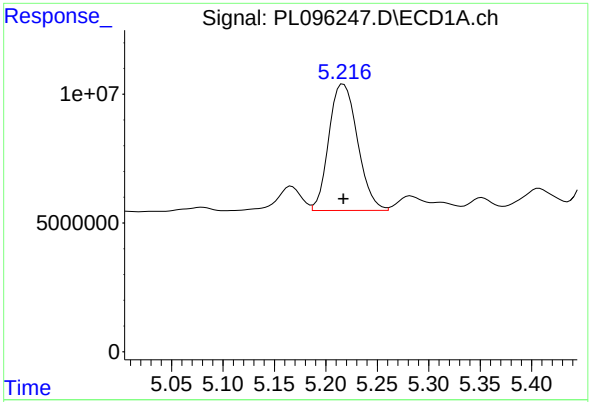
#23 Chlordane-1

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



#23 Chlordane-1

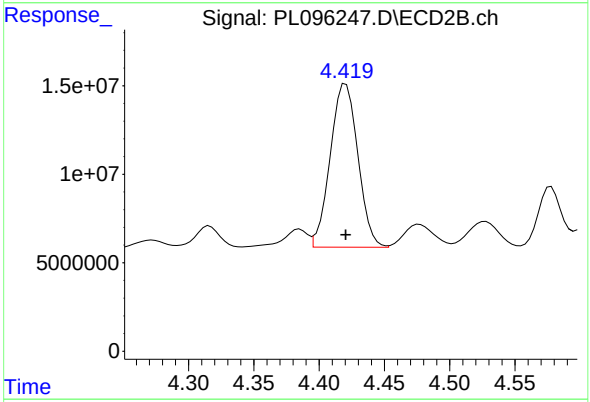
R.T.: 3.841 min
Delta R.T.: 0.000 min
Response: 117738541
Conc: 500.00 ng/ml



#24 Chlordane-2

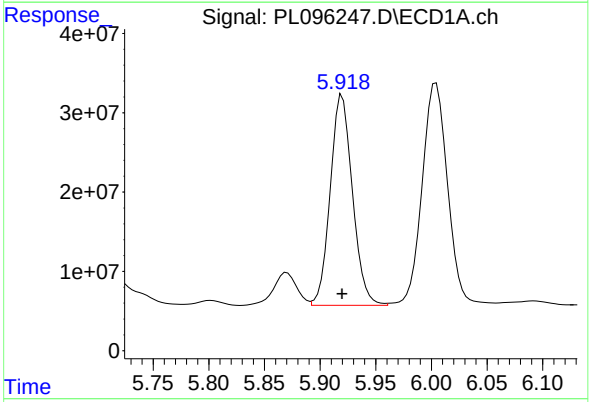
R.T.: 5.217 min
Delta R.T.: 0.000 min
Response: 95284319
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



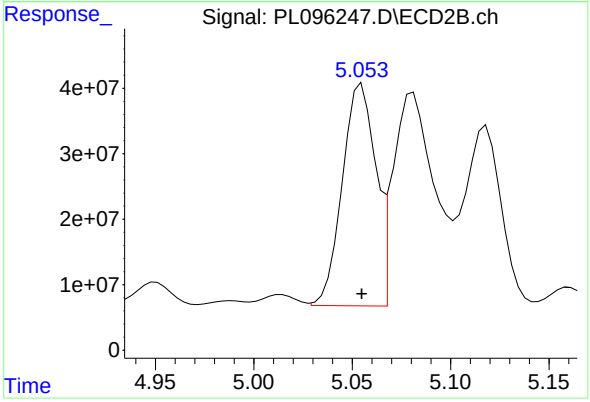
#24 Chlordane-2

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



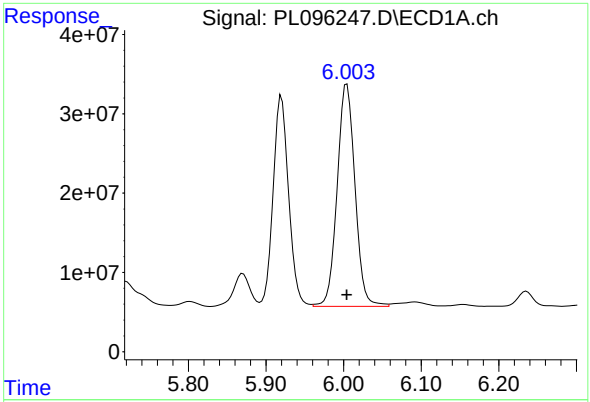
#25 Chlordane-3

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



#25 Chlordane-3

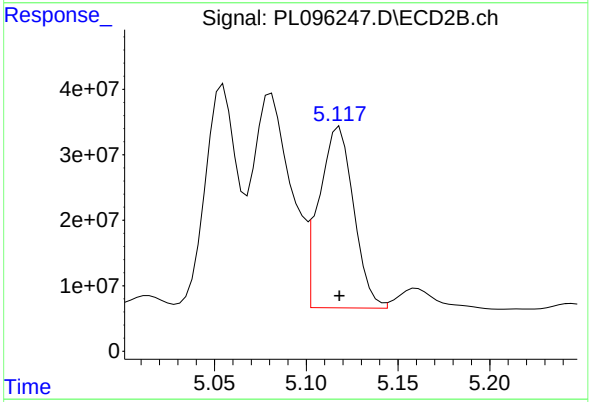
R.T.: 5.055 min
Delta R.T.: 0.000 min
Response: 398637596
Conc: 500.00 ng/ml



#26 Chlordane-4

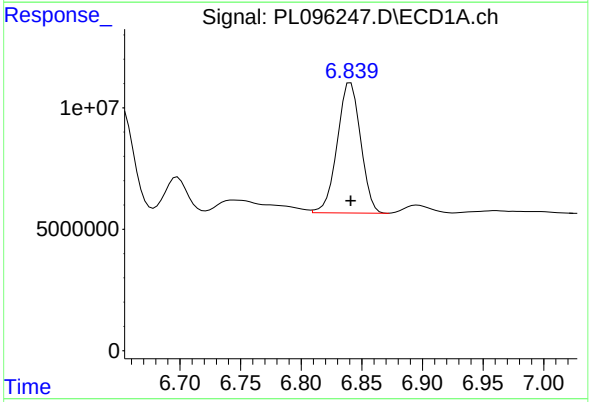
R.T.: 6.004 min
Delta R.T.: 0.000 min
Response: 447993243
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



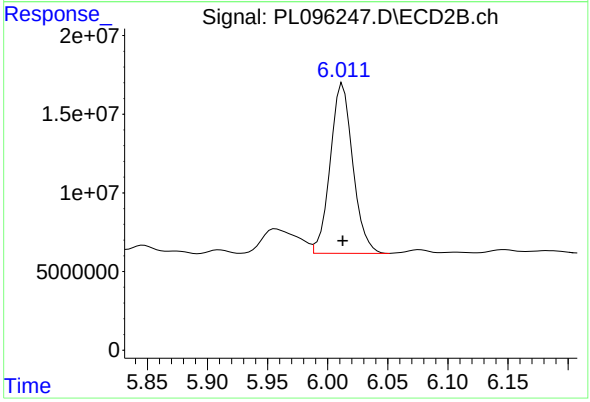
#26 Chlordane-4

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



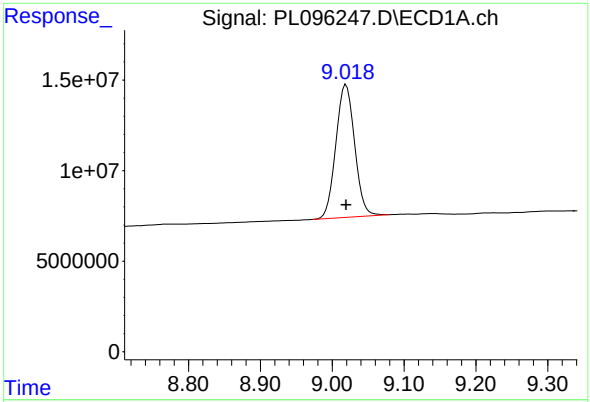
#27 Chlordane-5

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



#27 Chlordane-5

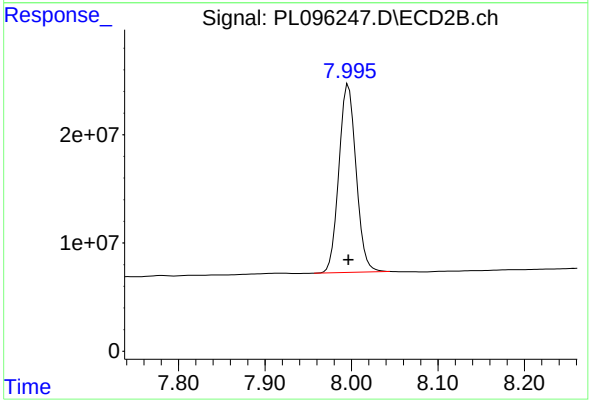
R.T.: 6.013 min
Delta R.T.: 0.000 min
Response: 141479033
Conc: 500.00 ng/ml



#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 : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.538	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

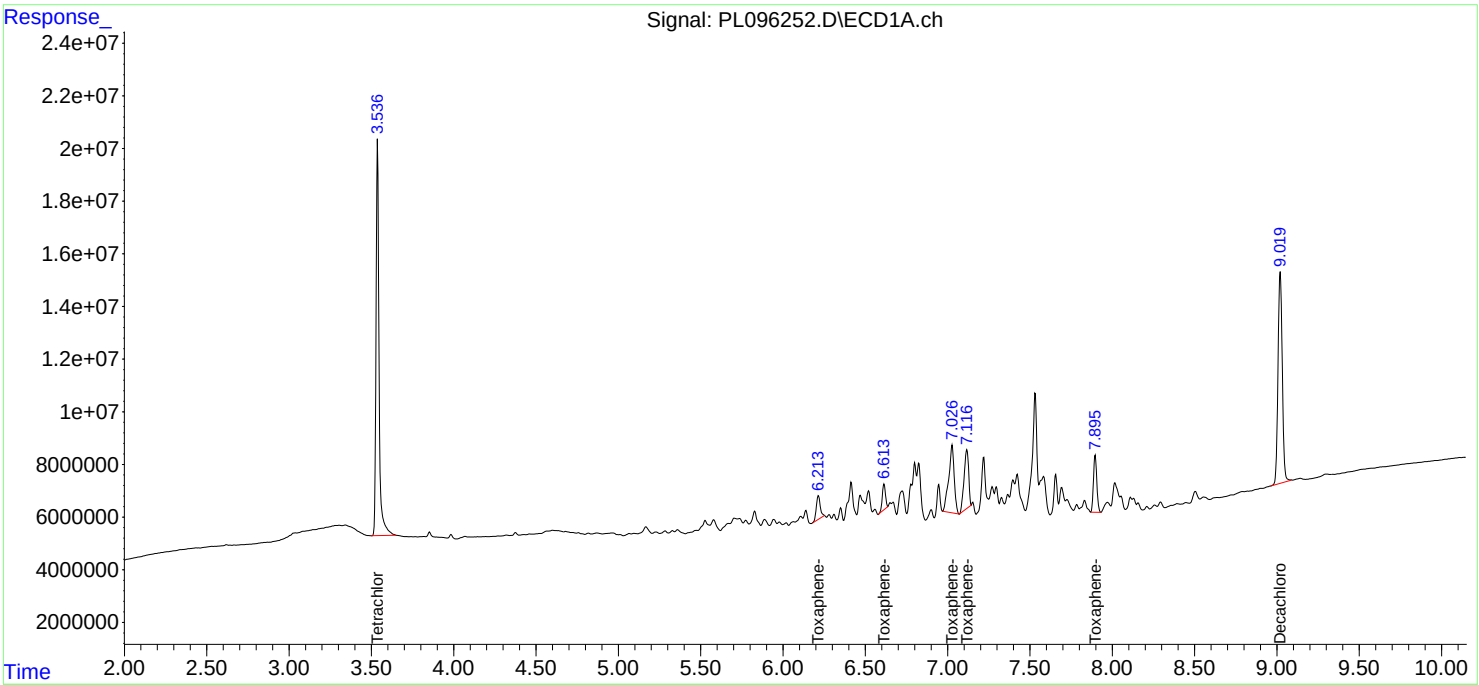
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

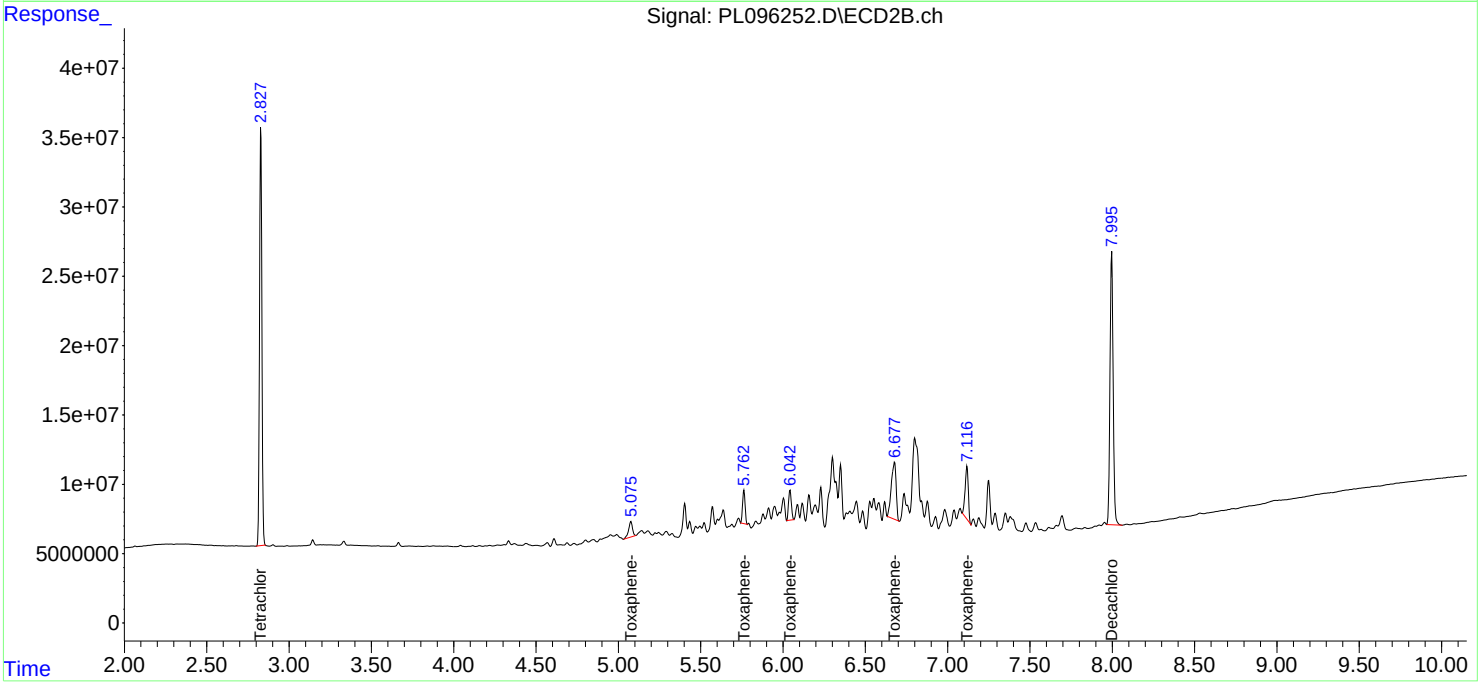
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096252.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 13:39
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

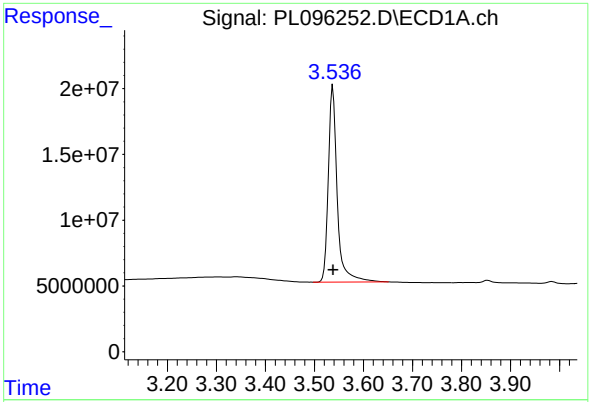
Instrument :
ECD_L
ClientSampleId :
PTOXICC500

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



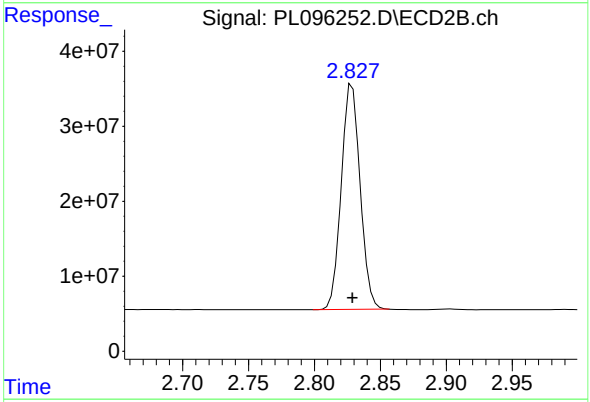




#1 Tetrachloro-m-xylene

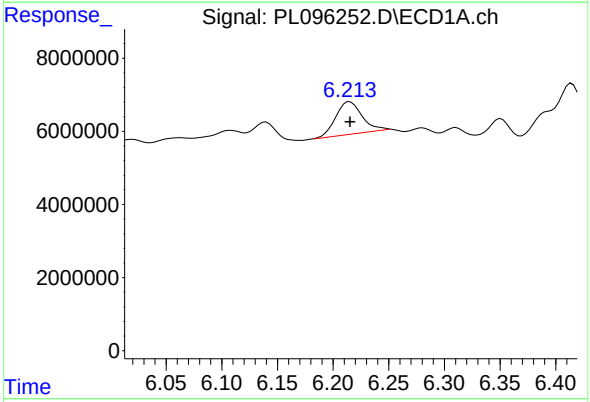
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 188746411
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



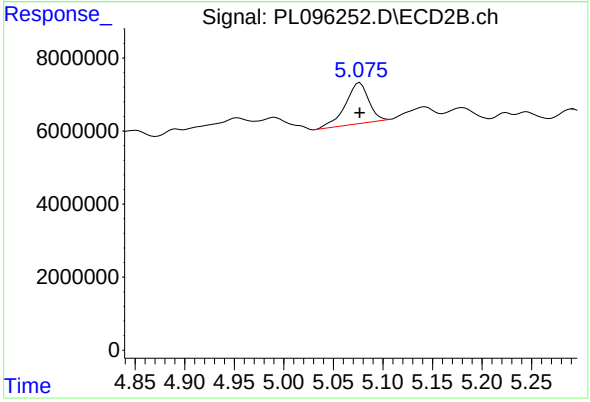
#1 Tetrachloro-m-xylene

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



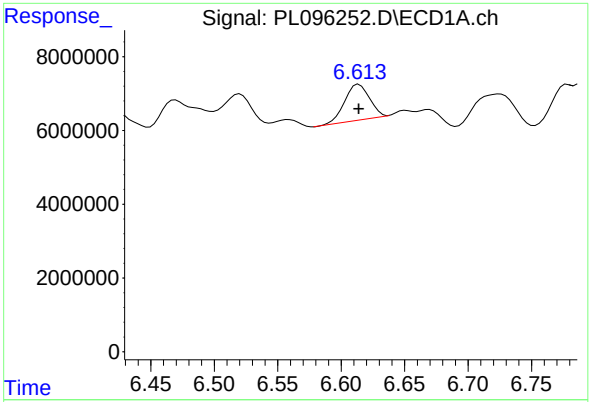
#2 Toxaphene-1

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



#2 Toxaphene-1

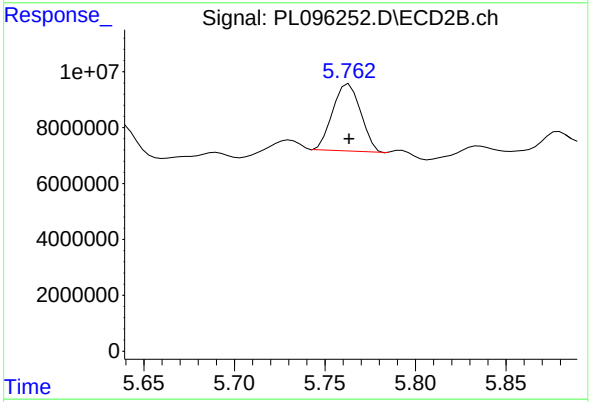
R.T.: 5.077 min
Delta R.T.: 0.000 min
Response: 18353677
Conc: 500.00 ng/ml



#3 Toxaphene-2

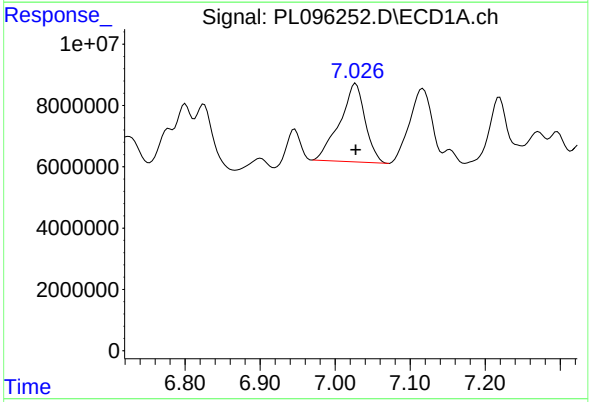
R.T.: 6.614 min
Delta R.T.: 0.000 min
Response: 13059638
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



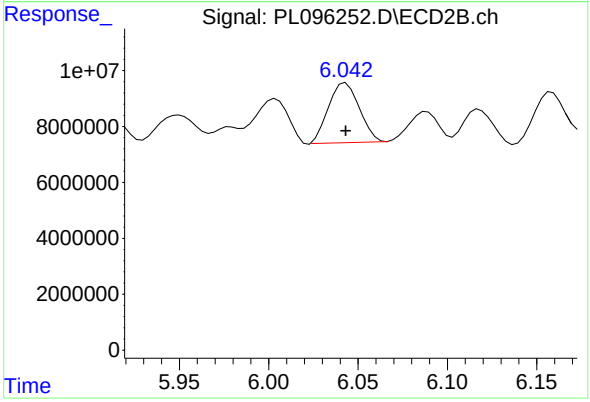
#3 Toxaphene-2

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



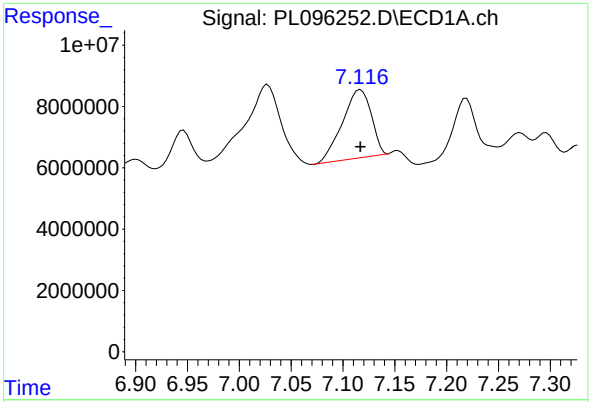
#4 Toxaphene-3

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



#4 Toxaphene-3

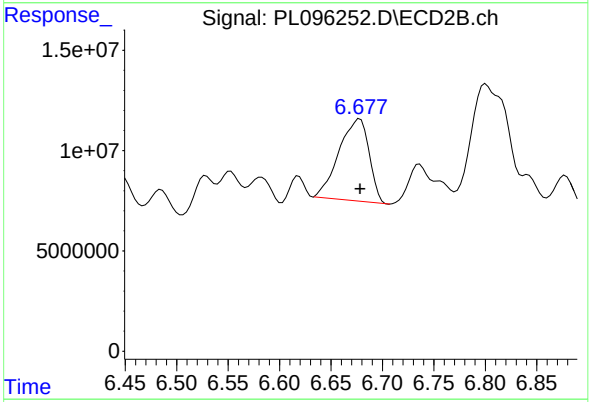
R.T.: 6.043 min
Delta R.T.: 0.000 min
Response: 25708745
Conc: 500.00 ng/ml



#5 Toxaphene-4

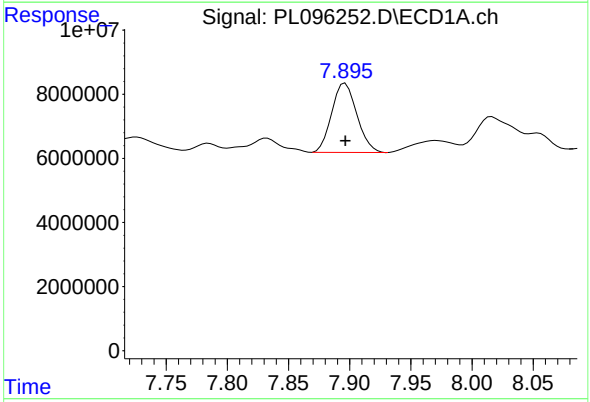
R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 42985480
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



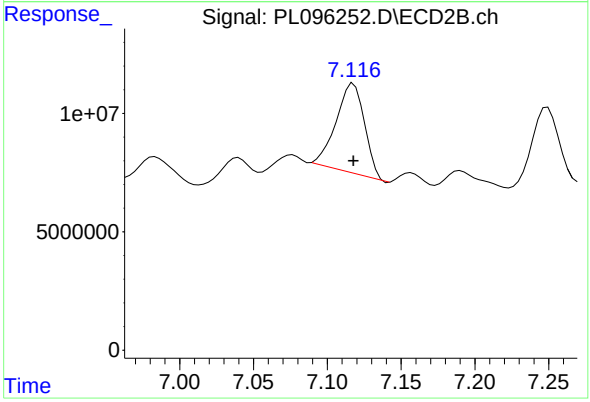
#5 Toxaphene-4

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



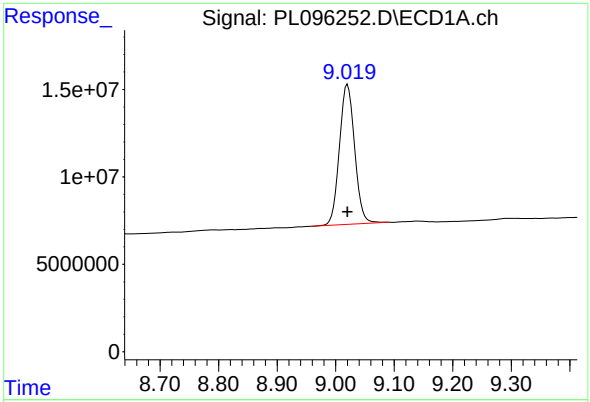
#6 Toxaphene-5

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



#6 Toxaphene-5

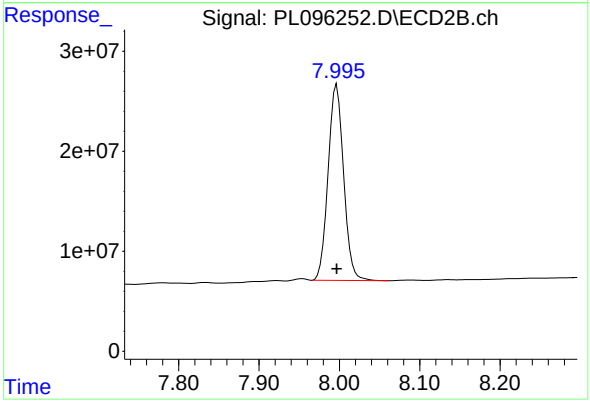
R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 50709284
Conc: 500.00 ng/ml



#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

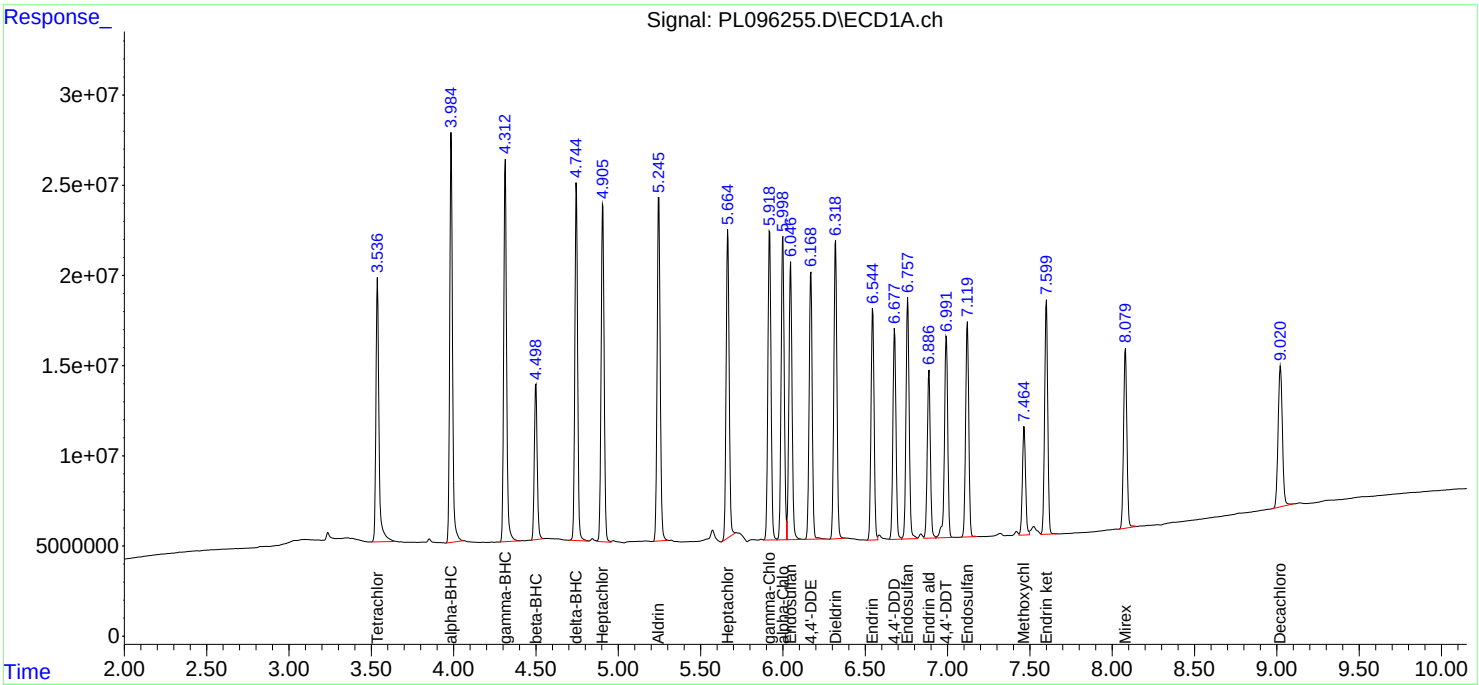
Instrument :
ECD_L
ClientSampleId :
ICVPL070725

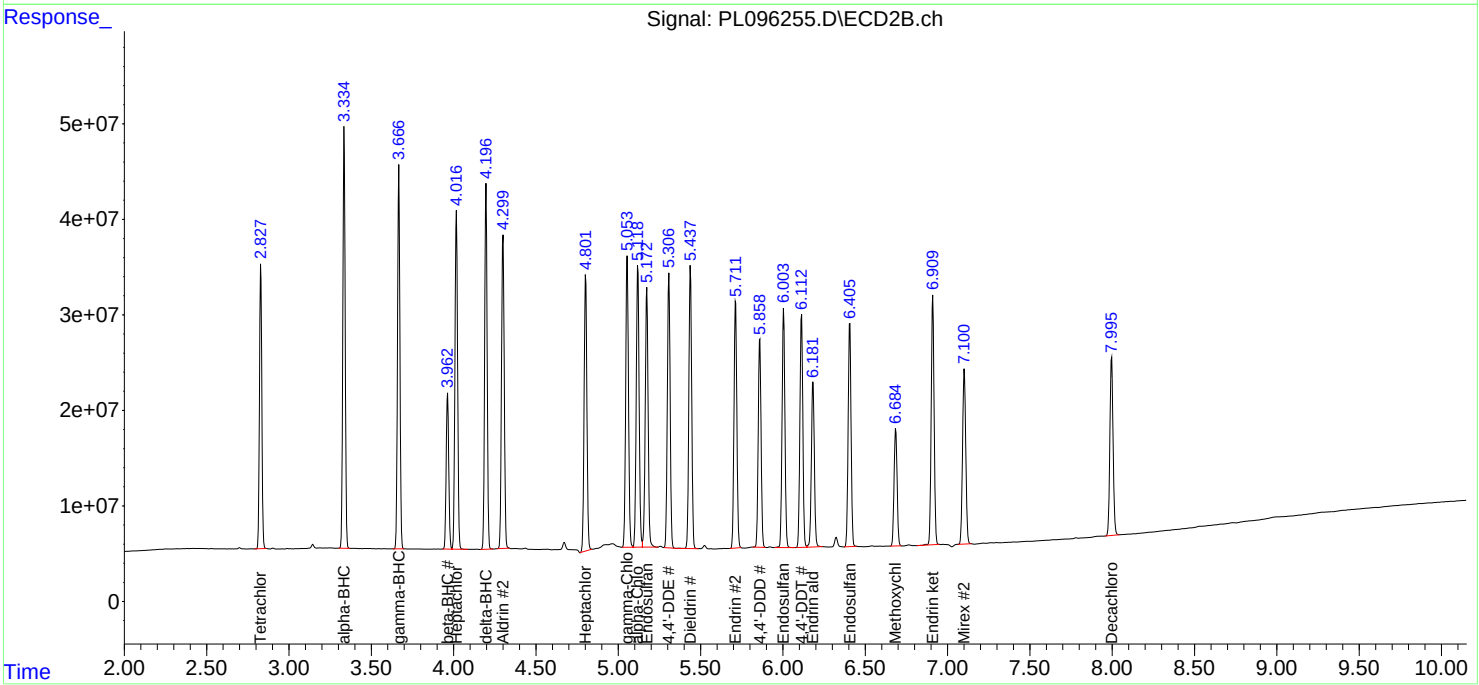
Manual Integrations APPROVED

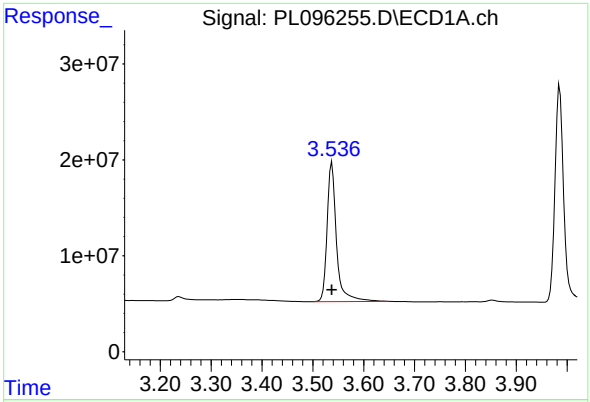
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

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







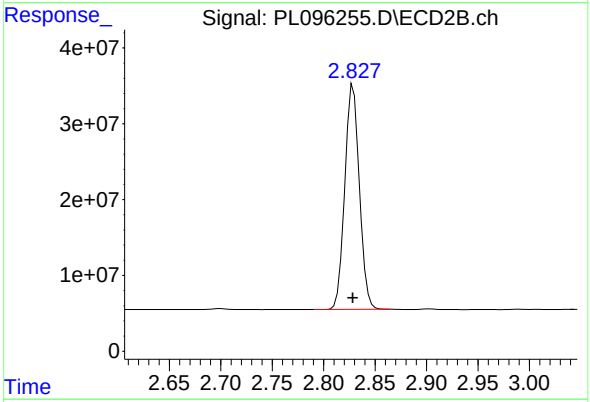
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

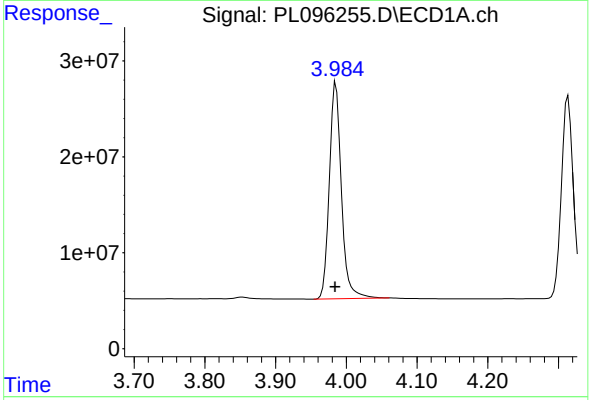
Manual Integrations APPROVED

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



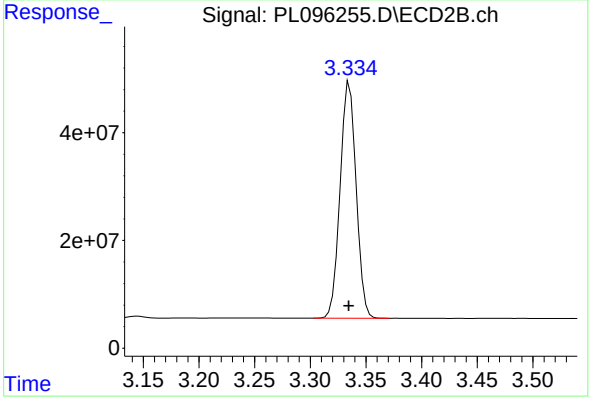
#1 Tetrachloro-m-xylene

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



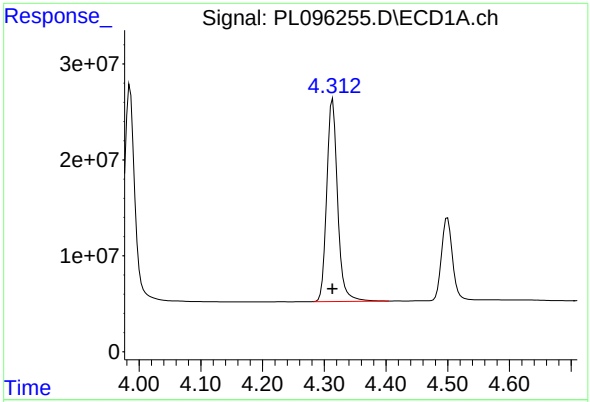
#2 alpha-BHC

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

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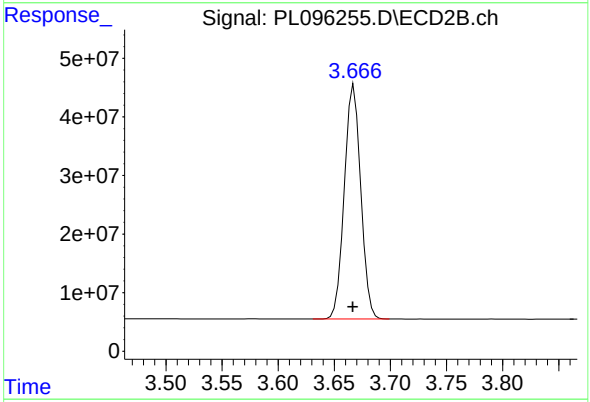
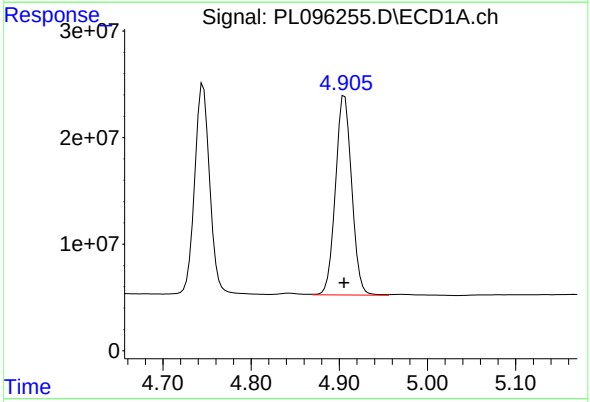


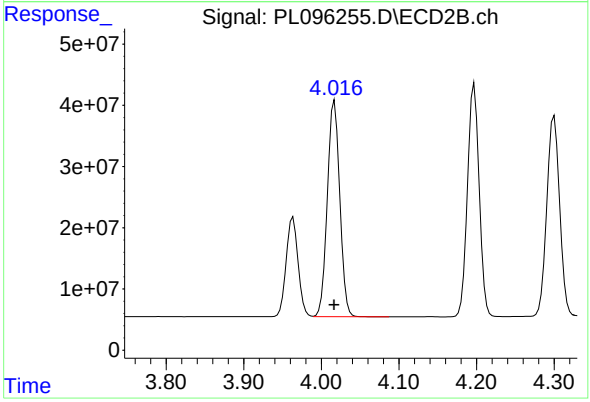
#3 gamma-BHC (Lindane)

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



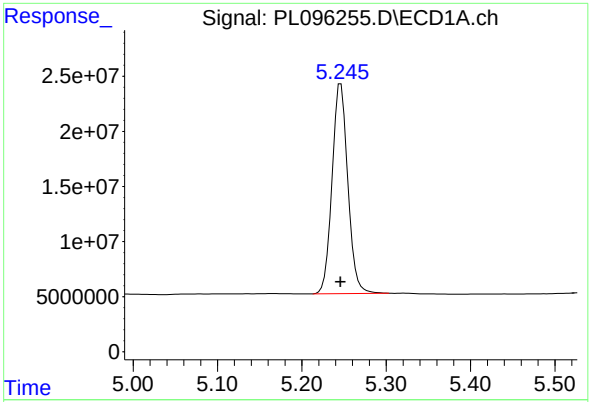
#4 Heptachlor

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

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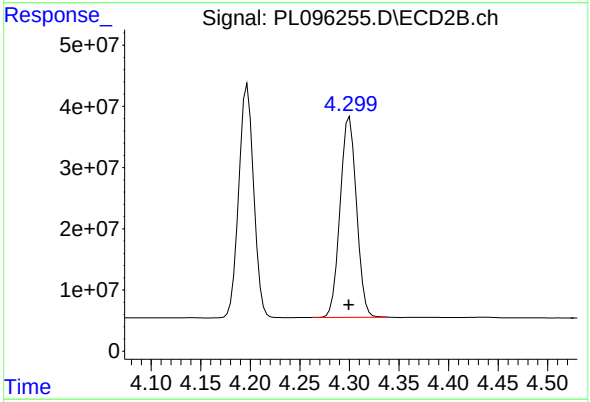
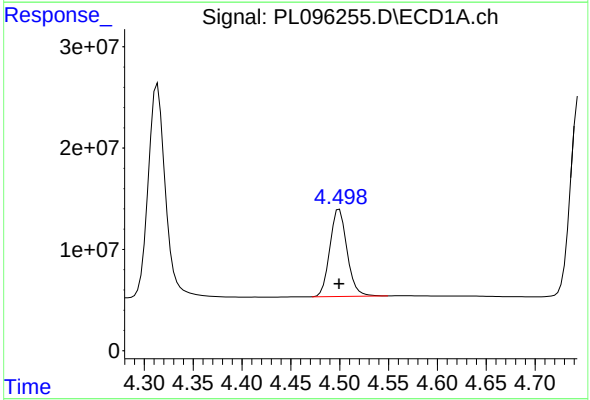


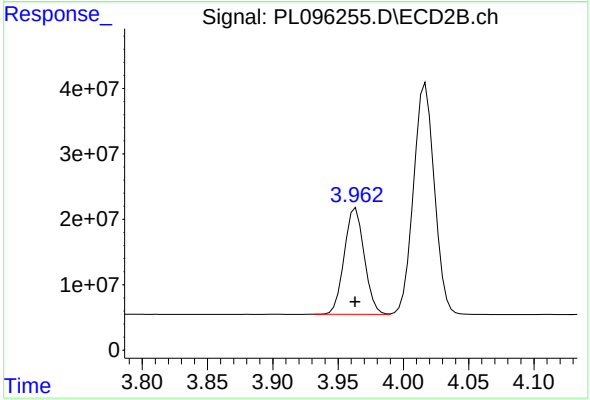
#5 Aldrin

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



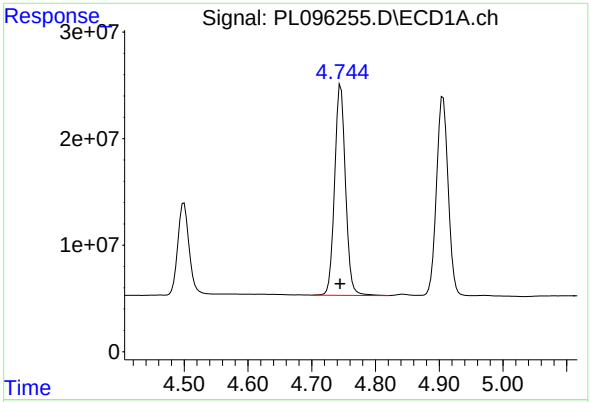
#6 beta-BHC

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

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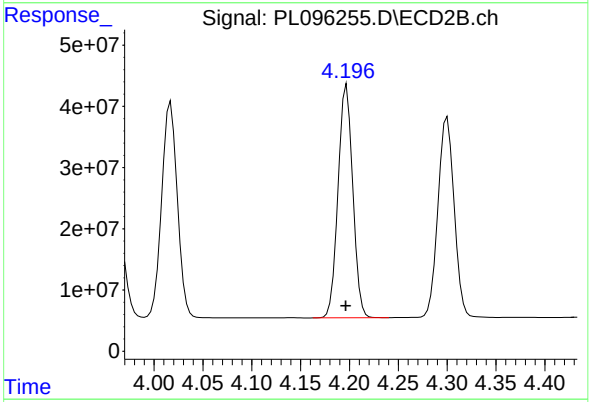
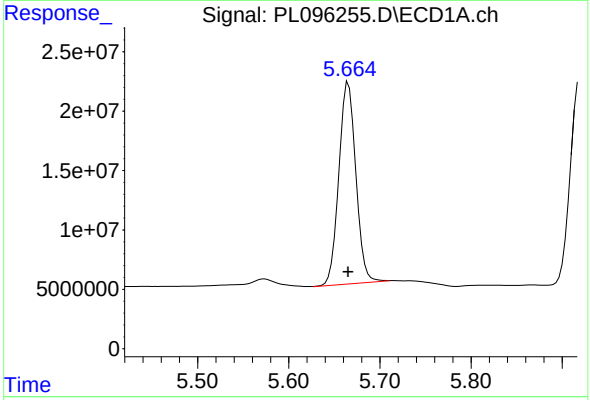


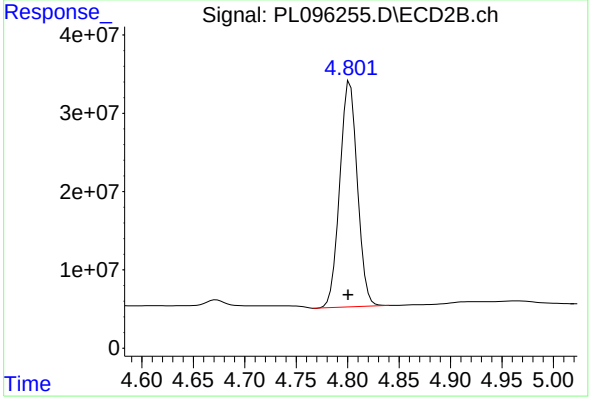
#7 delta-BHC

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



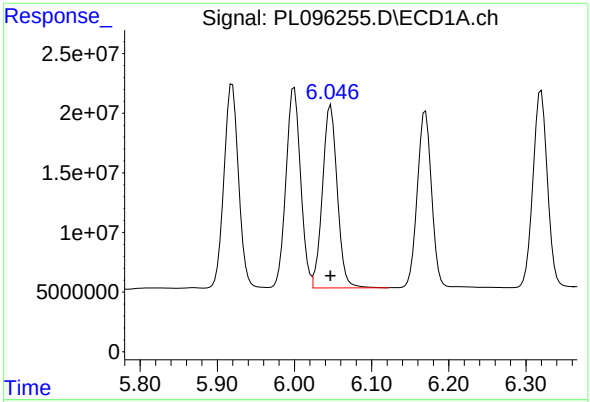
#8 Heptachlor epoxide

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

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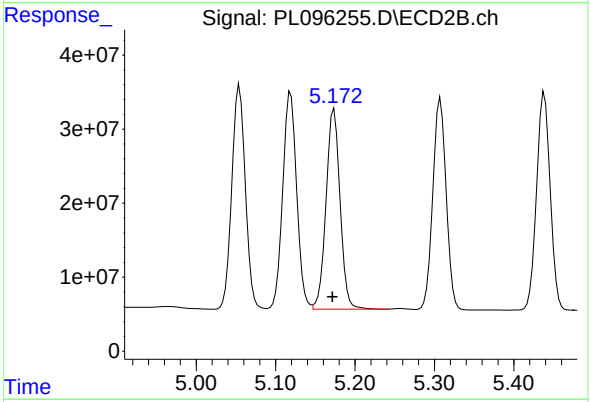
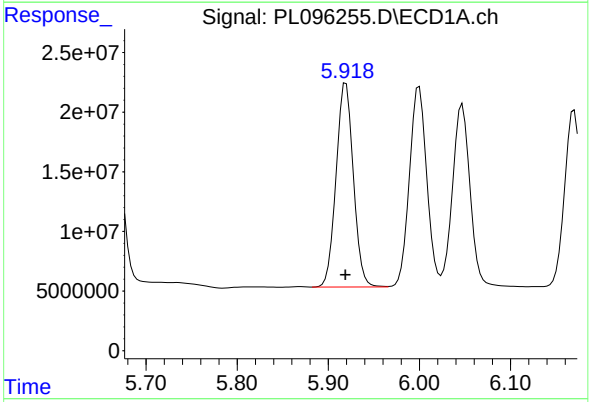


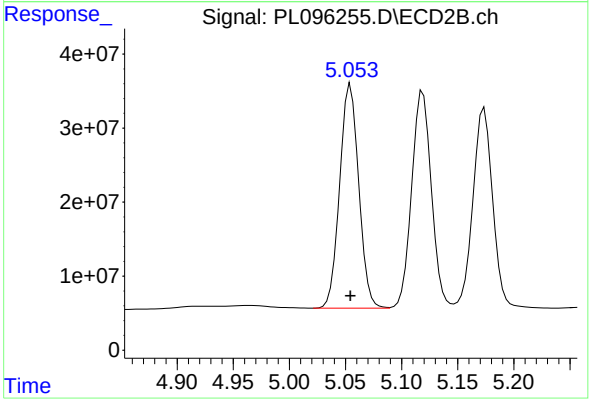
#9 Endosulfan I

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



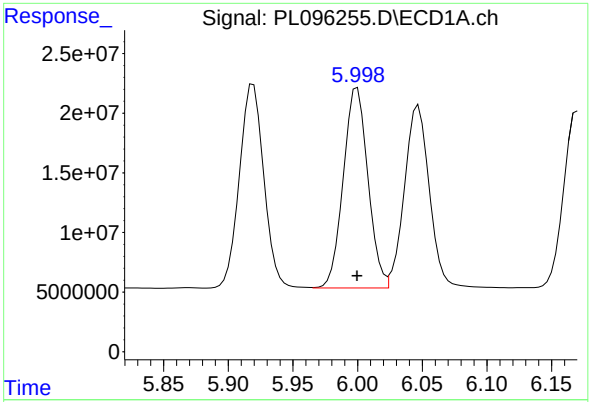
#10 gamma-Chlordane

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

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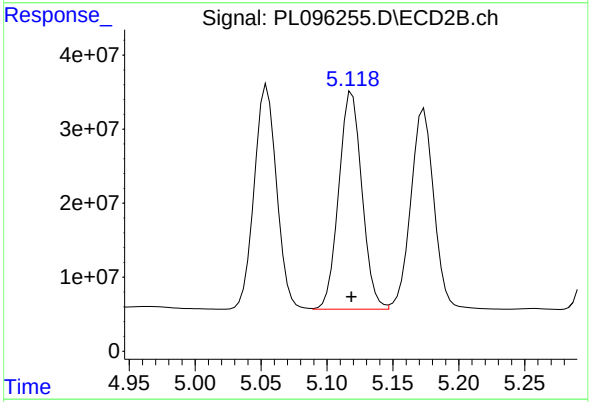
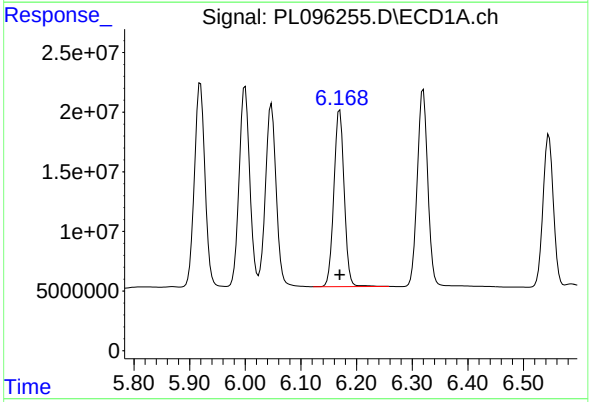


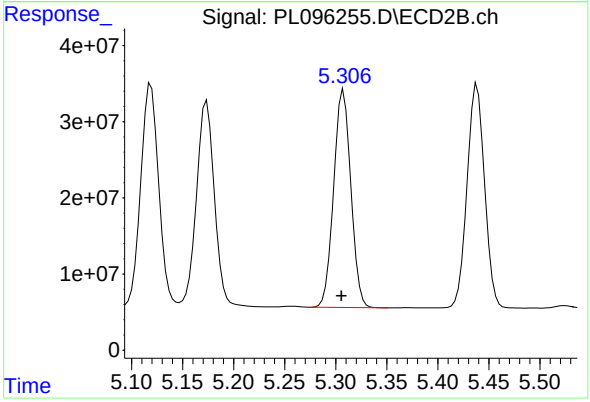
#11 alpha-Chlordane

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



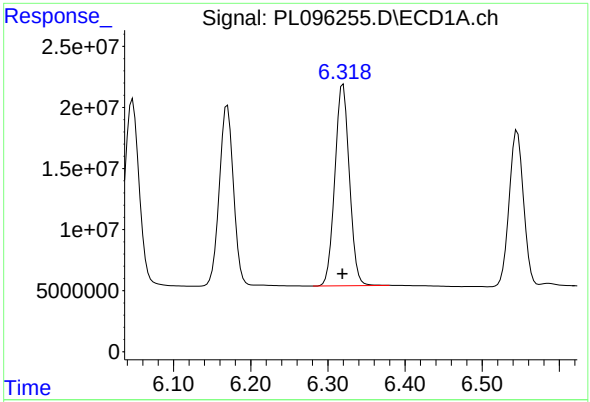
#12 4,4'-DDE

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

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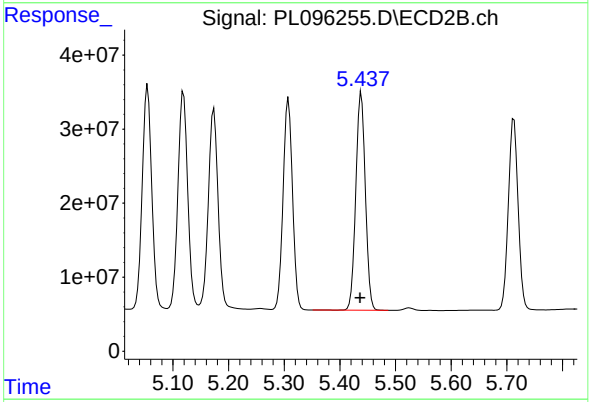
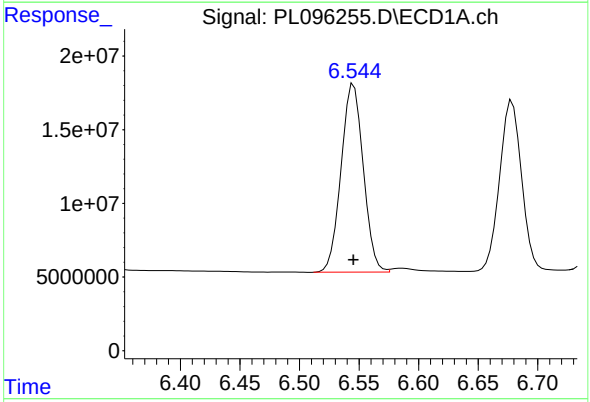


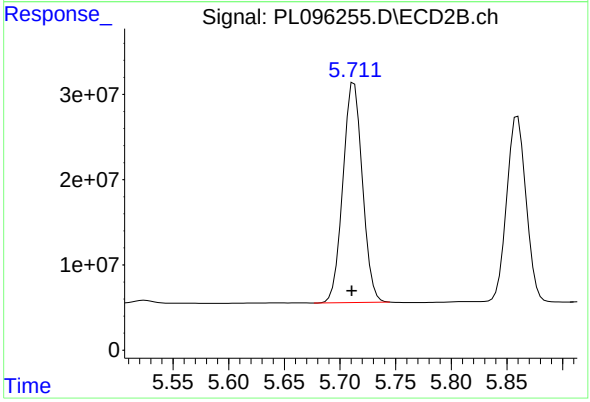
#13 Dieldrin

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



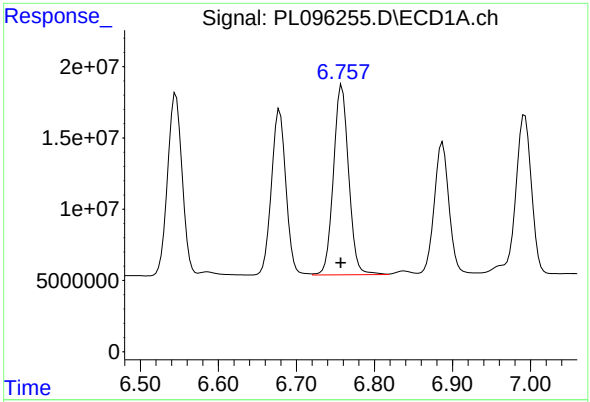
#14 Endrin

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 :
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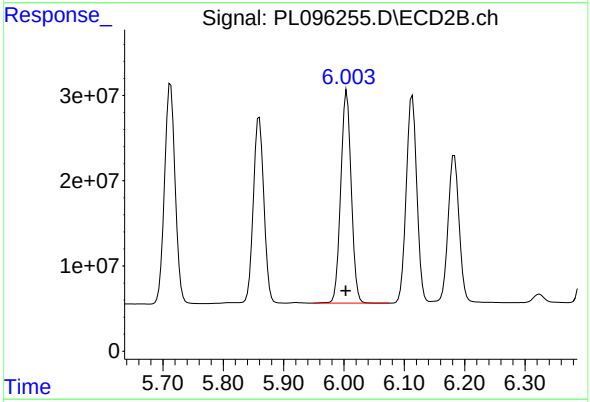
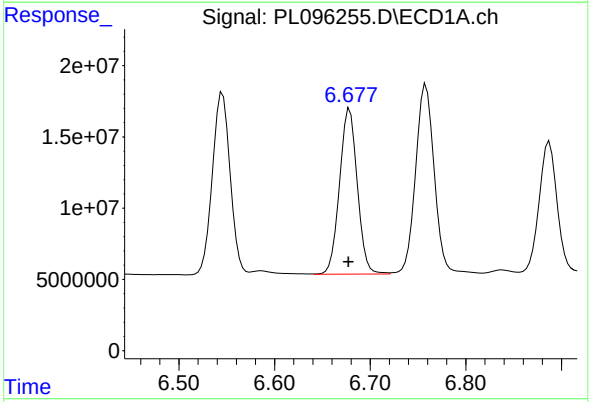


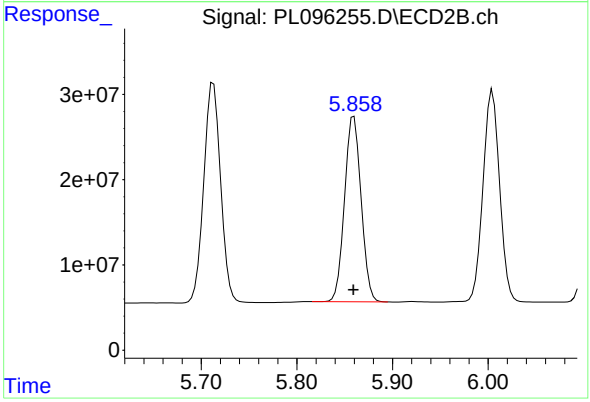
#15 Endosulfan II

R.T.: 6.005 min
Delta R.T.: 0.002 min
Response: 300706964
Conc: 51.28 ng/ml



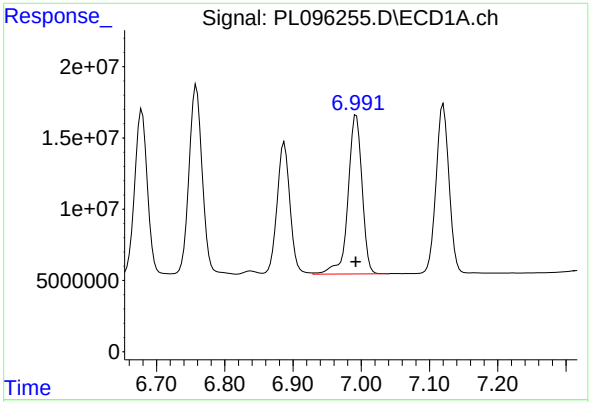
#16 4,4'-DDD

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

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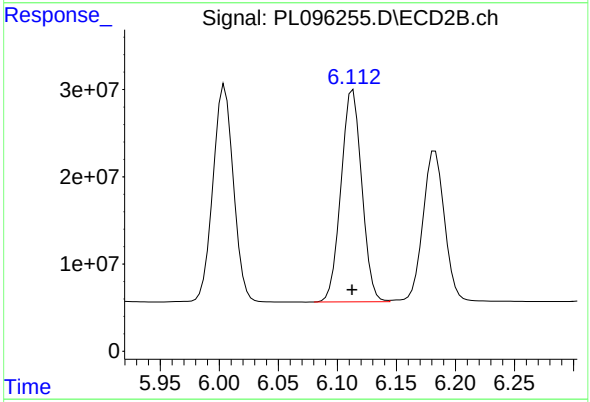
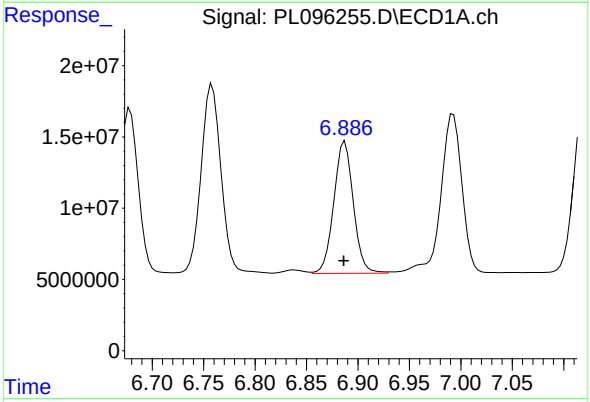


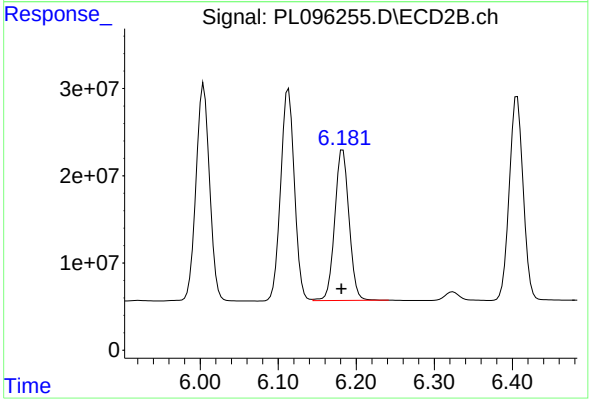
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 297635340
Conc: 51.90 ng/ml



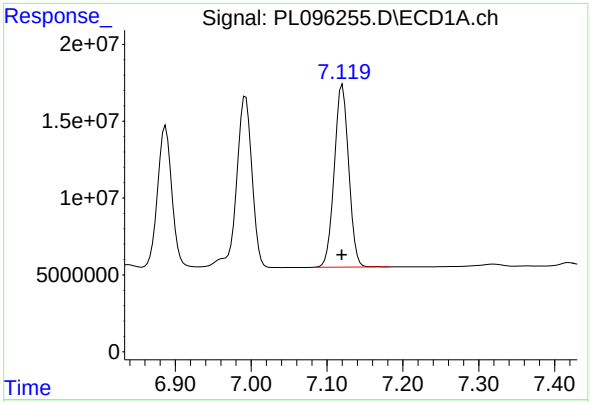
#18 Endrin aldehyde

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

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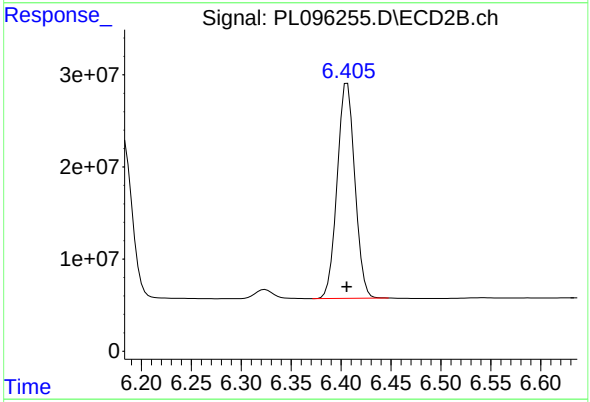
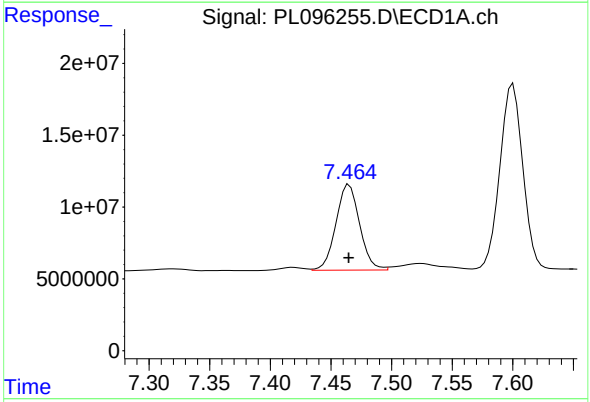


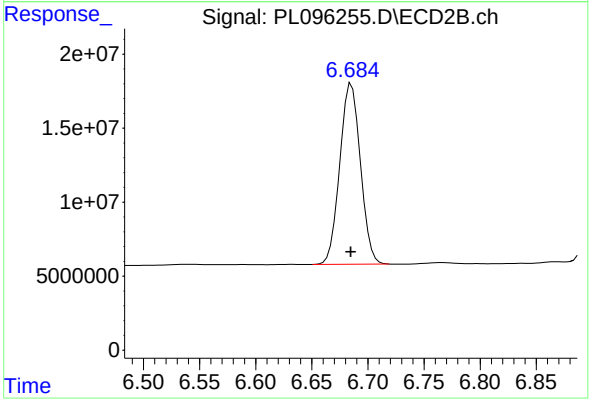
#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 287849227
Conc: 51.18 ng/ml



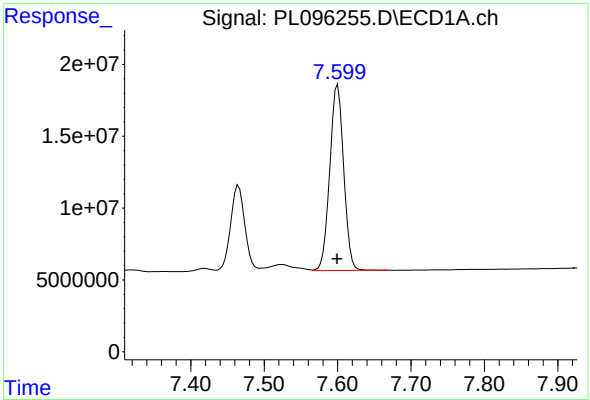
#20 Methoxychlor

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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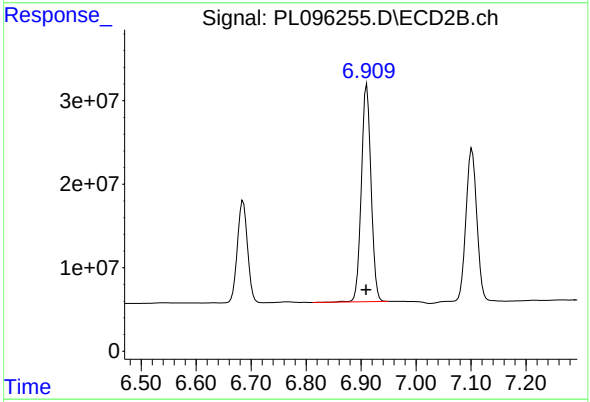
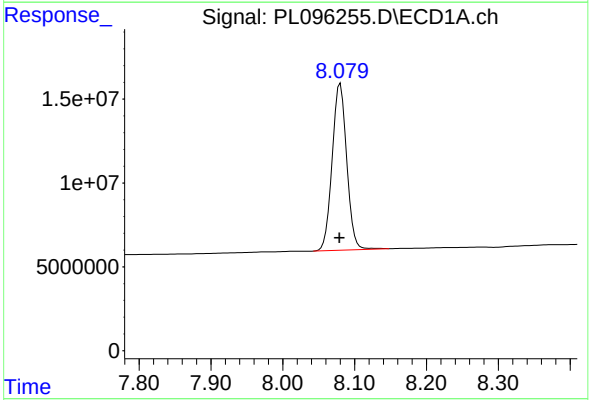


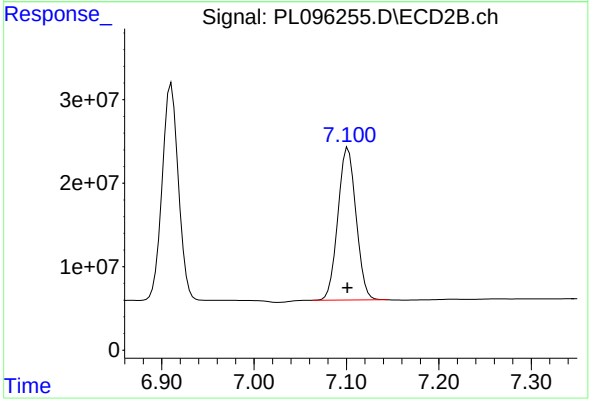
#21 Endrin ketone

R.T.: 6.911 min
Delta R.T.: 0.002 min
Response: 319242361
Conc: 51.06 ng/ml



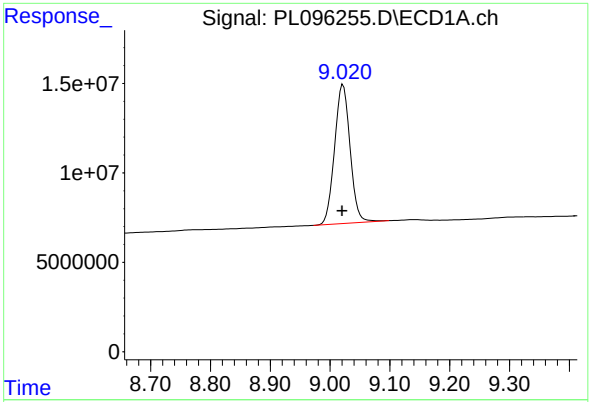
#22 Mirex

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



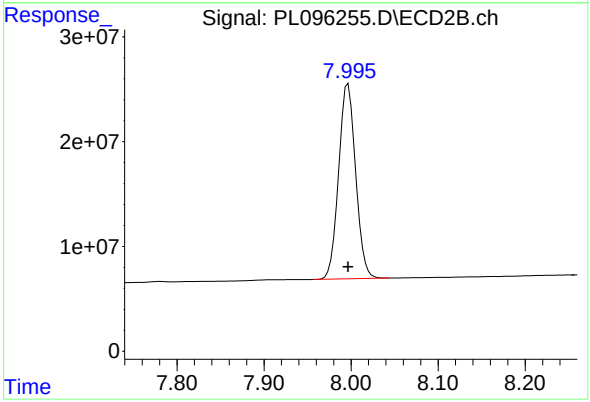
#28 Decachlorobiphenyl

R.T.: 9.022 min
Delta R.T.: 0.002 min
Response: 140644352
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725

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: 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.:** Q2639

Continuing Calib Date: 07/23/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 18:29 **Initial Calibration Time(s):** 12:49 13:44

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.51	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.35	6.25	6.45	0.01
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

Continuing Calib Date: 07/23/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 18:29 **Initial Calibration Time(s):** 12:49 13:44

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.01
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.79	5.79	5.69	5.89	0.01
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/23/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089611.D **Time Analyzed:** 18:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.702	6.603	6.803	50.450	50.000	0.9
4,4'-DDE	6.192	6.094	6.294	49.230	50.000	-1.5
4,4'-DDT	7.017	6.919	7.119	49.580	50.000	-0.8
Aldrin	5.268	5.169	5.369	50.610	50.000	1.2
alpha-BHC	3.997	3.898	4.098	51.500	50.000	3.0
alpha-Chlordane	6.023	5.924	6.124	49.830	50.000	-0.3
beta-BHC	4.513	4.414	4.614	49.800	50.000	-0.4
Decachlorobiphenyl	9.067	8.971	9.171	48.760	50.000	-2.5
delta-BHC	4.762	4.663	4.863	51.810	50.000	3.6
Dieldrin	6.343	6.245	6.445	50.270	50.000	0.5
Endosulfan I	6.071	5.972	6.172	49.960	50.000	-0.1
Endosulfan II	6.782	6.684	6.884	48.160	50.000	-3.7
Endosulfan sulfate	7.145	7.047	7.247	49.230	50.000	-1.5
Endrin	6.571	6.472	6.672	49.330	50.000	-1.3
Endrin aldehyde	6.911	6.813	7.013	50.030	50.000	0.1
Endrin ketone	7.626	7.528	7.728	50.020	50.000	0.0
gamma-BHC (Lindane)	4.327	4.228	4.428	51.000	50.000	2.0
gamma-Chlordane	5.942	5.844	6.044	50.790	50.000	1.6
Heptachlor	4.926	4.827	5.027	50.300	50.000	0.6
Heptachlor epoxide	5.687	5.588	5.788	50.480	50.000	1.0
Methoxychlor	7.489	7.392	7.592	47.960	50.000	-4.1
Tetrachloro-m-xylene	3.548	3.448	3.648	49.740	50.000	-0.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/23/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089611.D **Time Analyzed:** 18:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.925	5.827	6.027	49.070	50.000	-1.9
4,4'-DDE	5.371	5.272	5.472	48.730	50.000	-2.5
4,4'-DDT	6.179	6.081	6.281	49.420	50.000	-1.2
Aldrin	4.365	4.266	4.466	49.390	50.000	-1.2
alpha-BHC	3.390	3.291	3.491	49.880	50.000	-0.2
alpha-Chlordane	5.186	5.087	5.287	49.010	50.000	-2.0
beta-BHC	4.022	3.923	4.123	48.990	50.000	-2.0
Decachlorobiphenyl	8.067	7.970	8.170	48.190	50.000	-3.6
delta-BHC	4.259	4.160	4.360	50.340	50.000	0.7
Dieldrin	5.509	5.410	5.610	49.450	50.000	-1.1
Endosulfan I	5.243	5.144	5.344	48.520	50.000	-3.0
Endosulfan II	6.076	5.978	6.178	48.950	50.000	-2.1
Endosulfan sulfate	6.478	6.379	6.579	48.860	50.000	-2.3
Endrin	5.785	5.687	5.887	50.700	50.000	1.4
Endrin aldehyde	6.255	6.156	6.356	49.950	50.000	-0.1
Endrin ketone	6.987	6.889	7.089	48.150	50.000	-3.7
gamma-BHC (Lindane)	3.727	3.627	3.827	49.910	50.000	-0.2
gamma-Chlordane	5.121	5.023	5.223	49.590	50.000	-0.8
Heptachlor	4.080	3.980	4.180	49.990	50.000	0.0
Heptachlor epoxide	4.869	4.770	4.970	49.380	50.000	-1.2
Methoxychlor	6.749	6.651	6.851	49.100	50.000	-1.8
Tetrachloro-m-xylene	2.879	2.779	2.979	49.410	50.000	-1.2

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 18:29
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:13:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.879	143.3E6	966.7E6	49.740	49.409
28)	SA Decachlor...	9.067	8.067	200.3E6	1184.0E6	48.763	48.191
	Target Compounds						
2)	A alpha-BHC	3.997	3.390	294.0E6	1498.5E6	51.497	49.876
3)	MA gamma-BHC...	4.327	3.727	281.4E6	1385.7E6	50.999	49.915
4)	MA Heptachlor	4.926	4.080	274.3E6	1400.6E6	50.298	49.989
5)	MB Aldrin	5.268	4.365	264.8E6	1352.5E6	50.609	49.386
6)	B beta-BHC	4.513	4.022	107.4E6	583.1E6	49.803	48.989
7)	B delta-BHC	4.762	4.259	273.8E6	1404.2E6	51.809	50.337
8)	B Heptachlo...	5.687	4.869	238.4E6	1227.8E6	50.479	49.385
9)	A Endosulfan I	6.071	5.243	222.1E6	1152.1E6	49.957	48.517
10)	B gamma-Chl...	5.942	5.121	240.8E6	1326.8E6	50.793	49.594
11)	B alpha-Chl...	6.023	5.186	237.5E6	1264.2E6	49.828	49.014
12)	B 4,4'-DDE	6.192	5.371	211.4E6	1279.5E6	49.230	48.733
13)	MA Dieldrin	6.343	5.509	237.3E6	1306.9E6	50.275	49.453
14)	MA Endrin	6.571	5.785	200.9E6	1225.9E6	49.328	50.695
15)	B Endosulfa...	6.782	6.076	196.0E6	1124.2E6	48.161	48.945
16)	A 4,4'-DDD	6.702	5.925	171.0E6	1075.8E6	50.454	49.075
17)	MA 4,4'-DDT	7.017	6.179	187.1E6	1156.8E6	49.585	49.421
18)	B Endrin al...	6.911	6.255	145.9E6	829.0E6	50.034	49.950
19)	B Endosulfa...	7.145	6.478	185.8E6	1084.6E6	49.232	48.860
20)	A Methoxychlor	7.489	6.749	96159429	598.6E6	47.962	49.096
21)	B Endrin ke...	7.626	6.987	201.3E6	1179.2E6	50.018	48.153
22)	Mirex	8.109	7.180	149.2E6	934.5E6	48.504	48.345

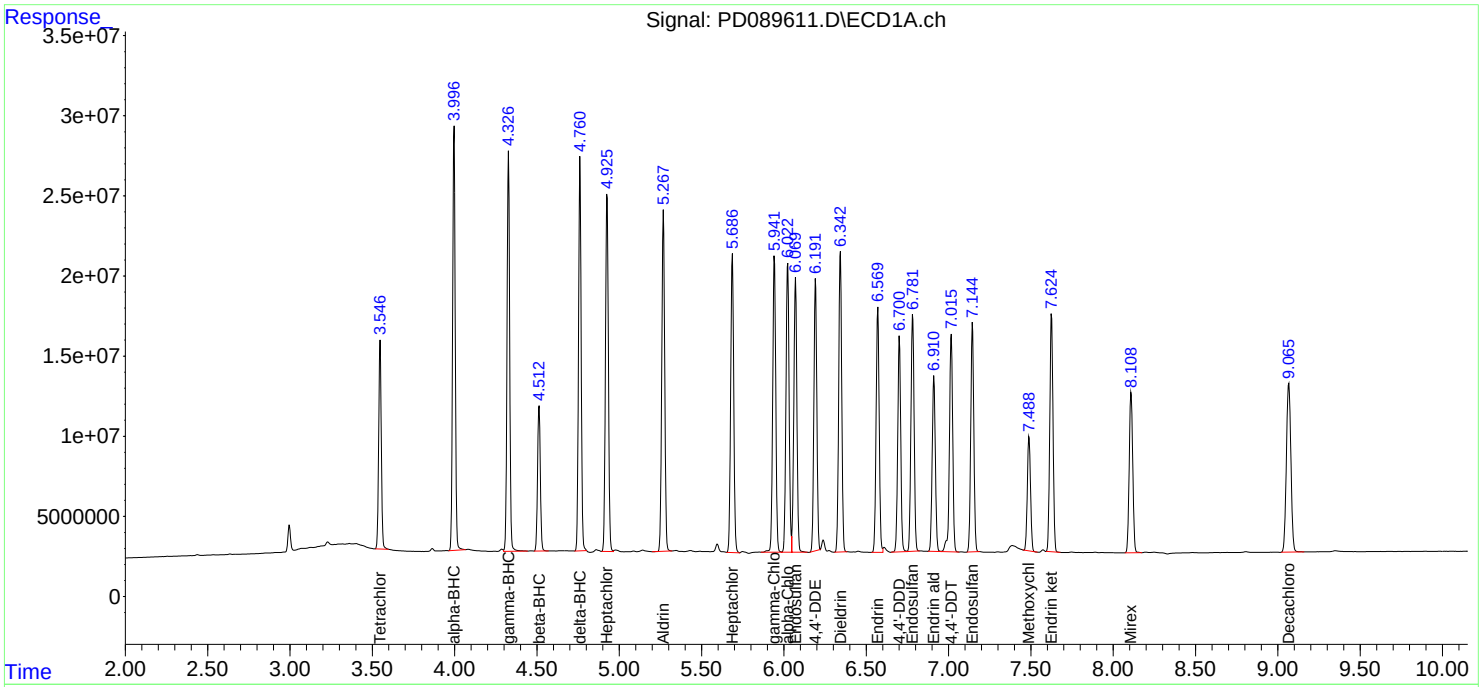
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

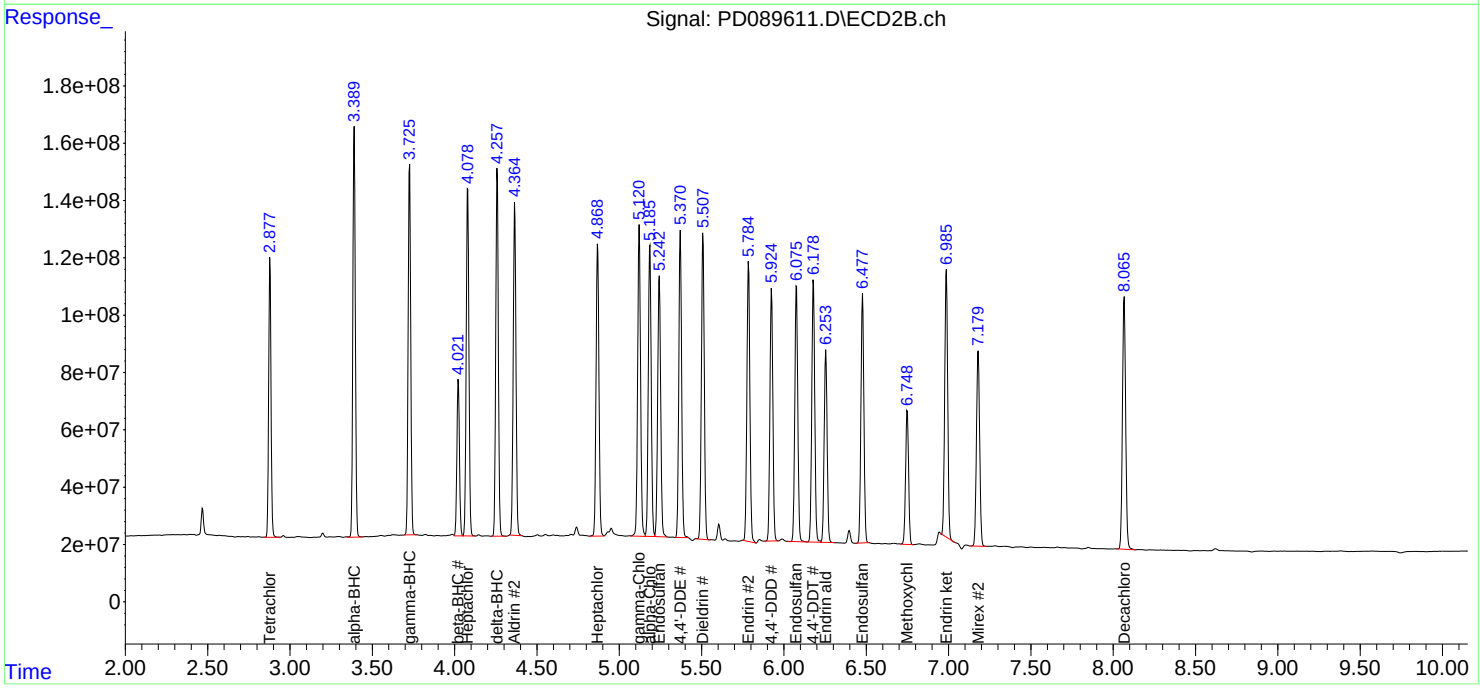
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 18:29
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

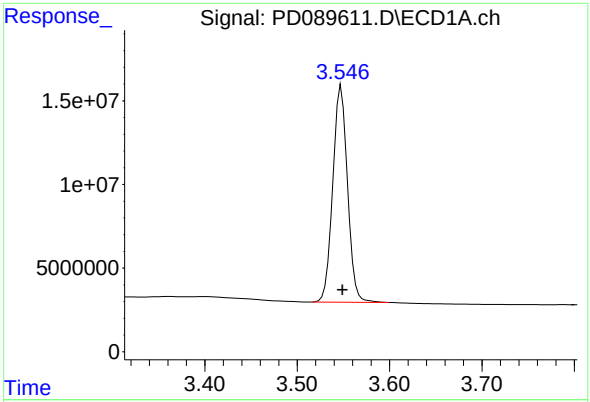
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:13:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



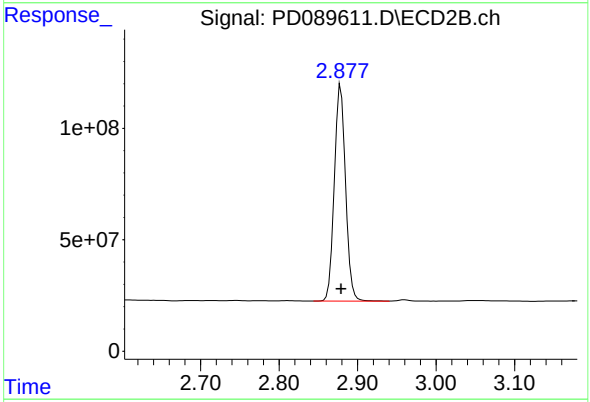




#1 Tetrachloro-m-xylene

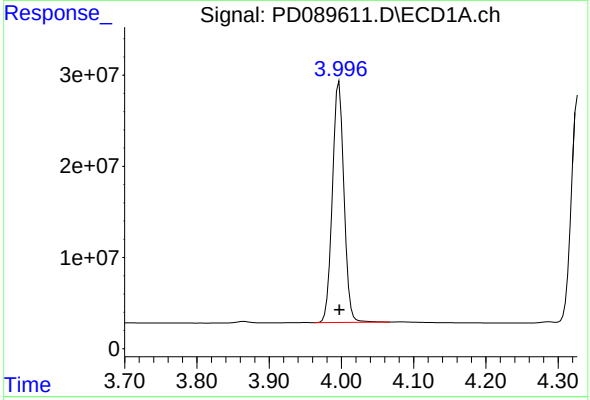
R.T.: 3.548 min
Delta R.T.: -0.001 min
Response: 143318105
Conc: 49.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



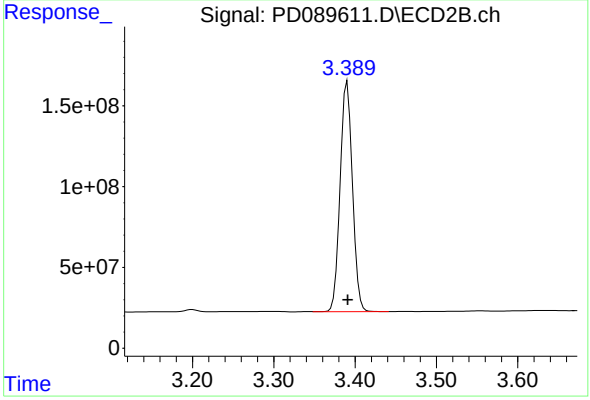
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 966738316
Conc: 49.41 ng/ml



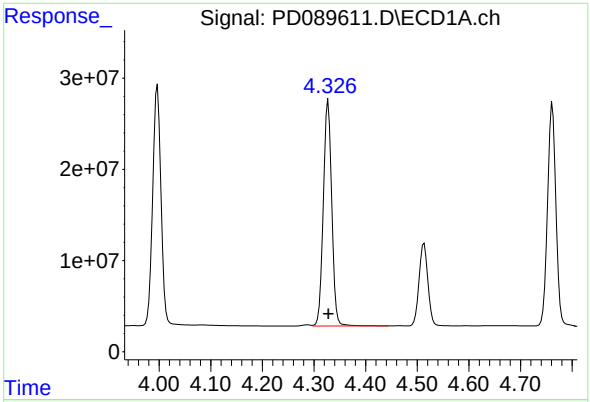
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 294028344
Conc: 51.50 ng/ml



#2 alpha-BHC

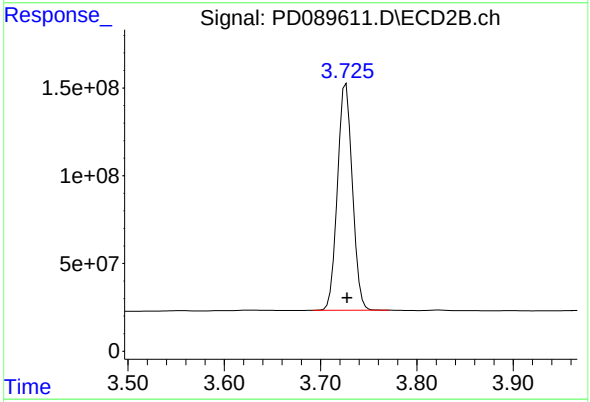
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1498506937
Conc: 49.88 ng/ml



#3 gamma-BHC (Lindane)

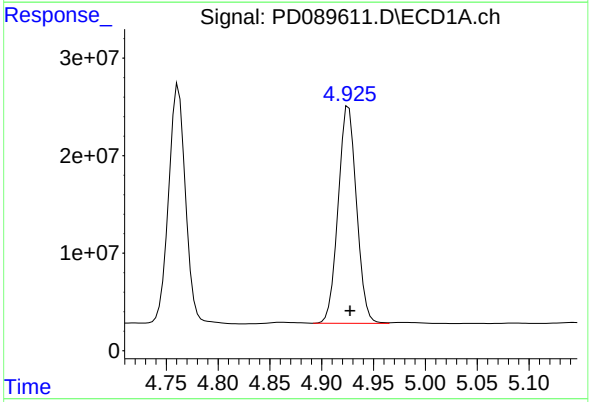
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 281382545
Conc: 51.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



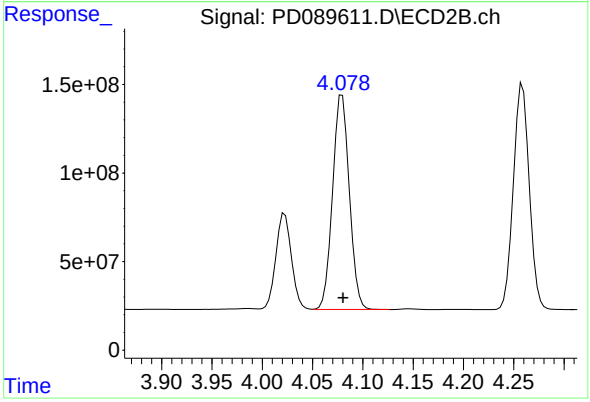
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1385743050
Conc: 49.91 ng/ml



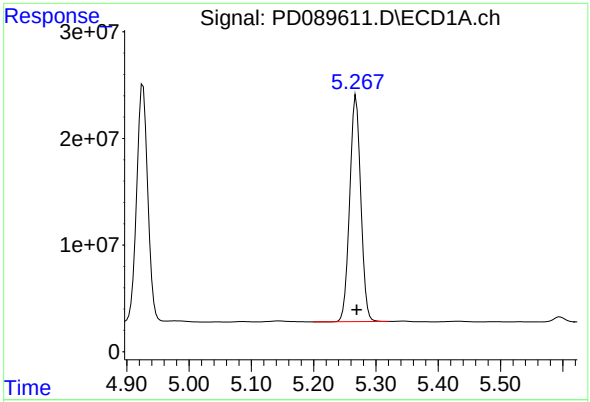
#4 Heptachlor

R.T.: 4.926 min
Delta R.T.: -0.001 min
Response: 274318684
Conc: 50.30 ng/ml



#4 Heptachlor

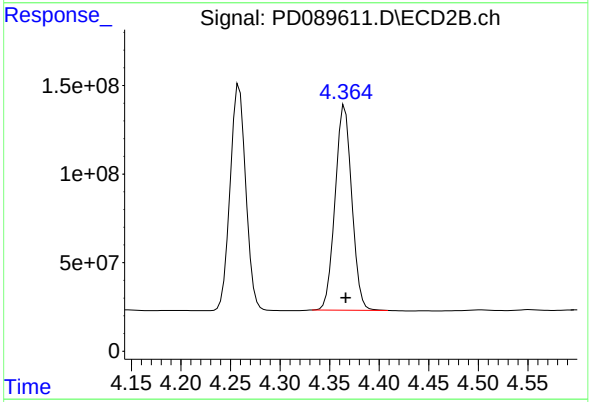
R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 1400622332
Conc: 49.99 ng/ml



#5 Aldrin

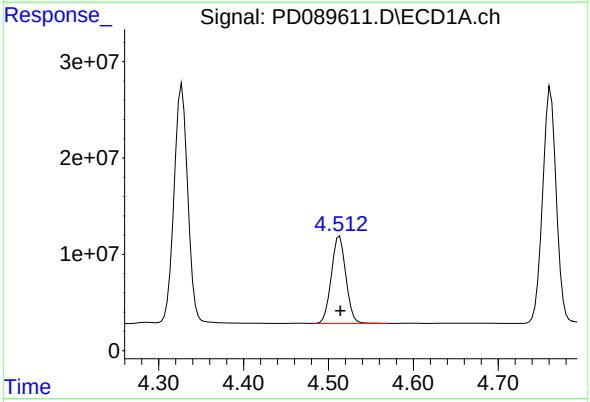
R.T.: 5.268 min
Delta R.T.: -0.001 min
Response: 264830278
Conc: 50.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



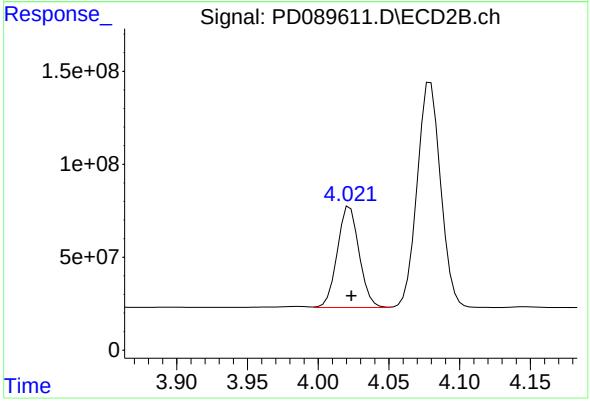
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 1352492767
Conc: 49.39 ng/ml



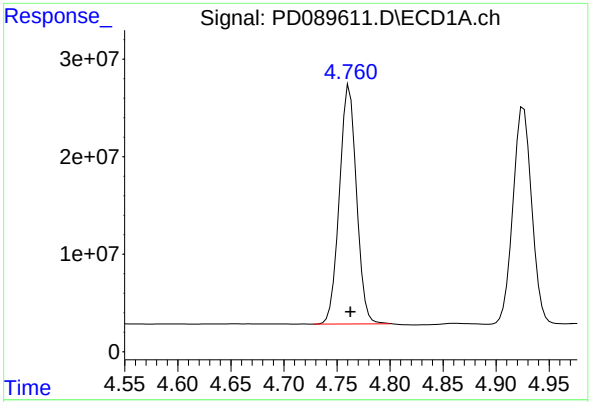
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: -0.001 min
Response: 107381694
Conc: 49.80 ng/ml



#6 beta-BHC

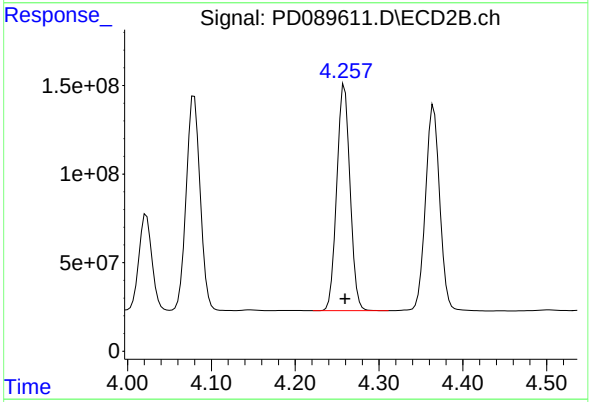
R.T.: 4.022 min
Delta R.T.: -0.001 min
Response: 583098146
Conc: 48.99 ng/ml



#7 delta-BHC

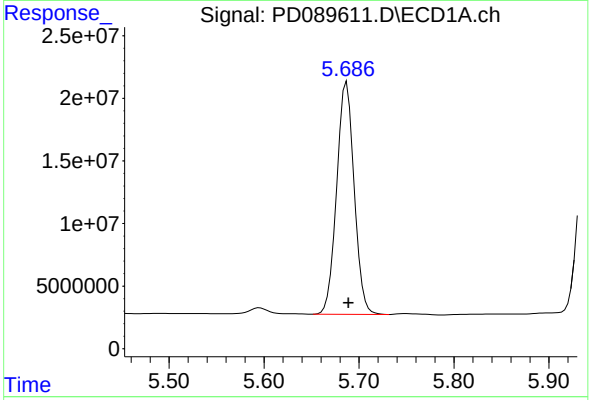
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 273819713
Conc: 51.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



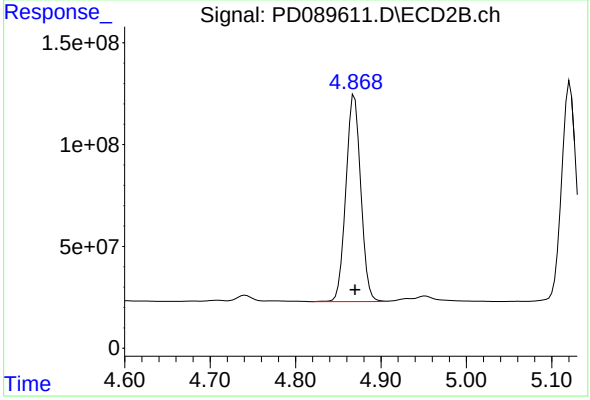
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 1404205660
Conc: 50.34 ng/ml



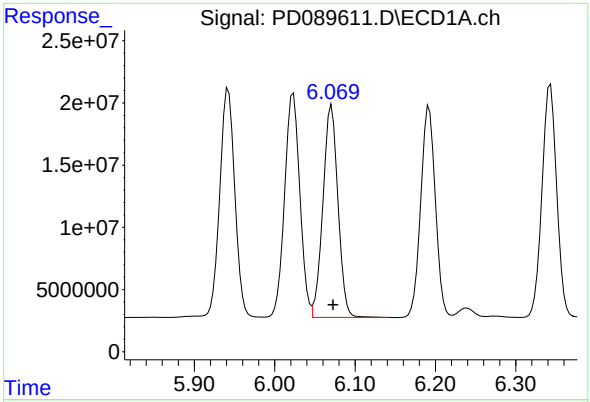
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: -0.002 min
Response: 238442693
Conc: 50.48 ng/ml



#8 Heptachlor epoxide

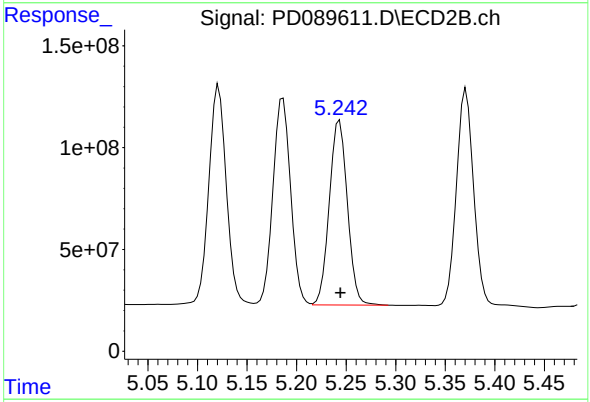
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 1227790076
Conc: 49.38 ng/ml



#9 Endosulfan I

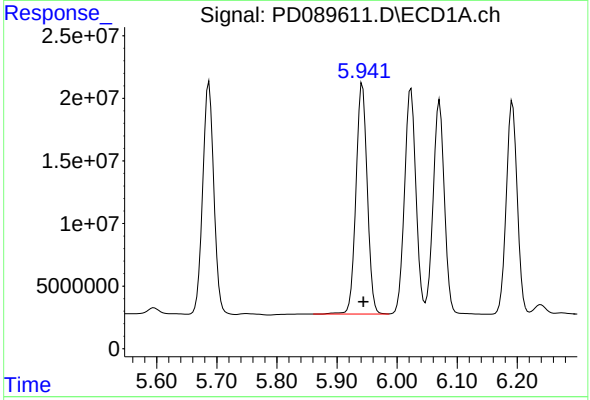
R.T.: 6.071 min
Delta R.T.: -0.002 min
Response: 222093614
Conc: 49.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



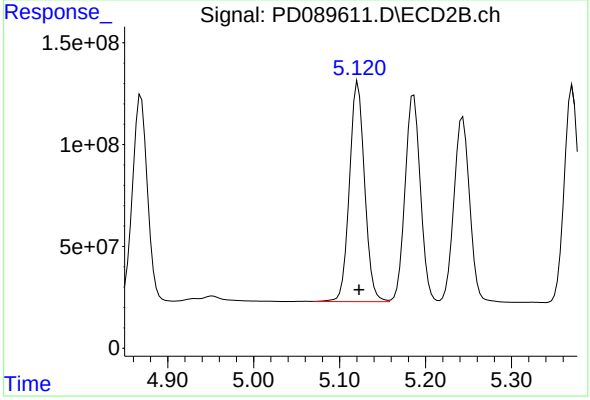
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 1152088240
Conc: 48.52 ng/ml



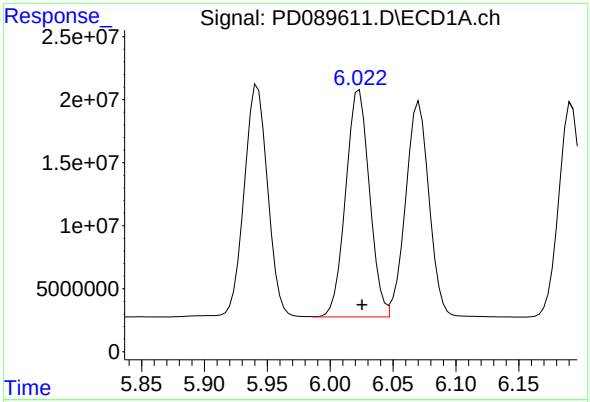
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: -0.002 min
Response: 240811511
Conc: 50.79 ng/ml



#10 gamma-Chlordane

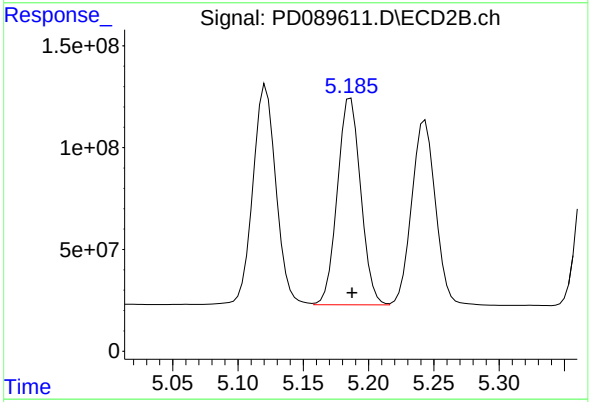
R.T.: 5.121 min
Delta R.T.: -0.001 min
Response: 1326763701
Conc: 49.59 ng/ml



#11 alpha-Chlordane

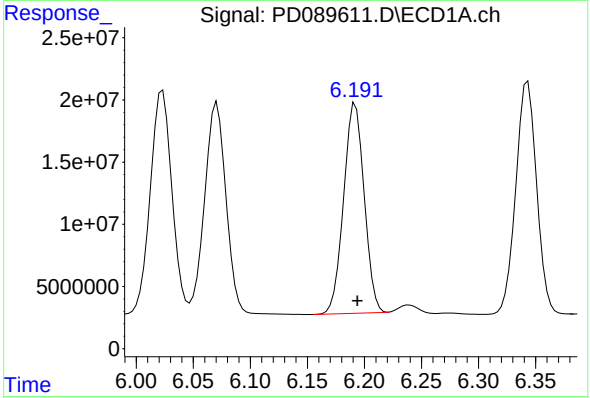
R.T.: 6.023 min
Delta R.T.: -0.002 min
Response: 237513100
Conc: 49.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



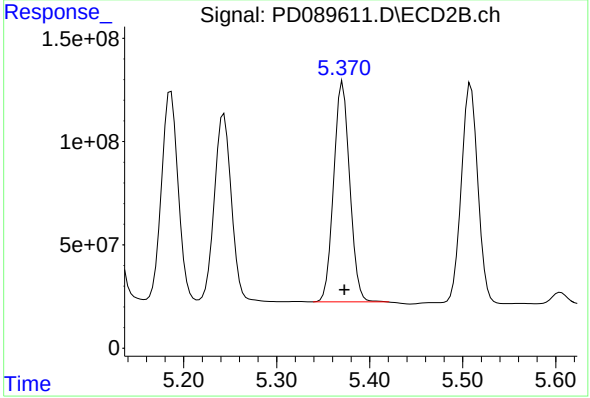
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: -0.001 min
Response: 1264183136
Conc: 49.01 ng/ml



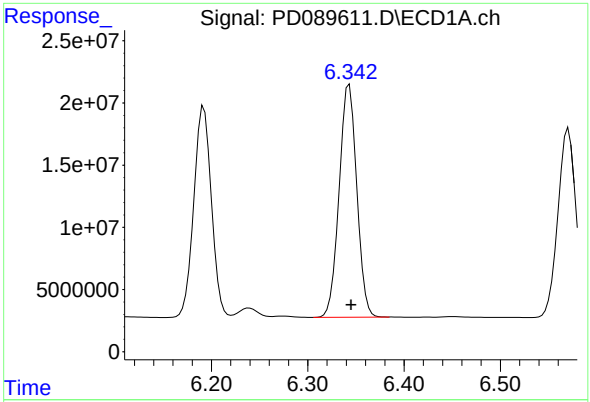
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.002 min
Response: 211384921
Conc: 49.23 ng/ml



#12 4,4'-DDE

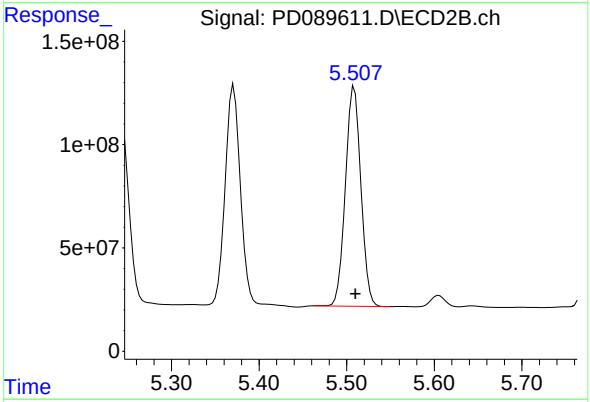
R.T.: 5.371 min
Delta R.T.: -0.002 min
Response: 1279537391
Conc: 48.73 ng/ml



#13 Dieldrin

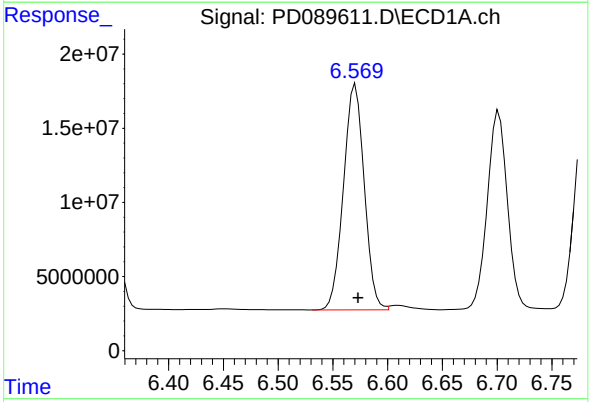
R.T.: 6.343 min
Delta R.T.: -0.002 min
Response: 237330337
Conc: 50.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



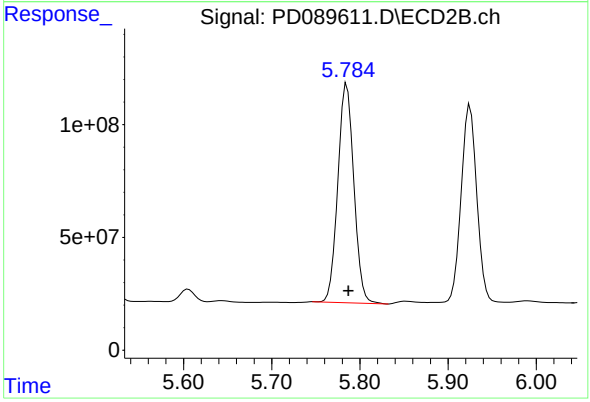
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: -0.001 min
Response: 1306872033
Conc: 49.45 ng/ml



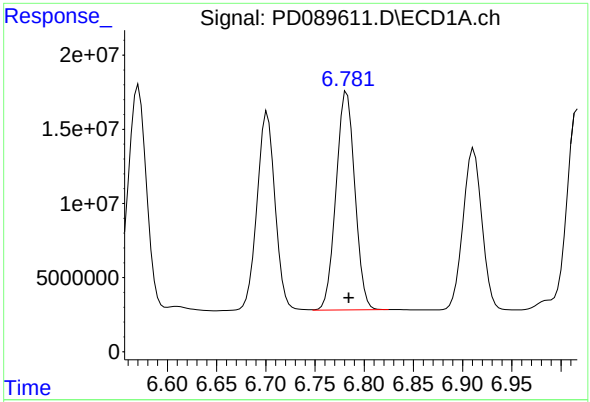
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 200891541
Conc: 49.33 ng/ml



#14 Endrin

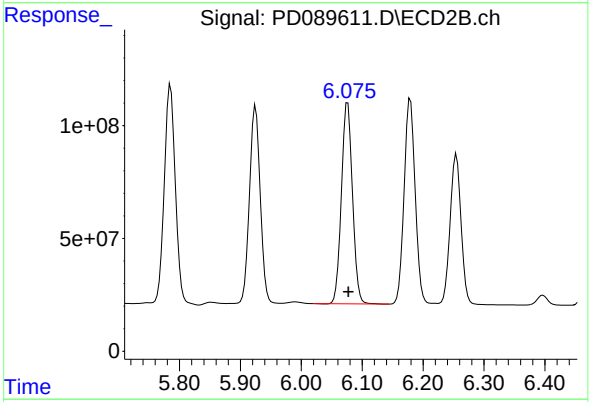
R.T.: 5.785 min
Delta R.T.: -0.002 min
Response: 1225886477
Conc: 50.70 ng/ml



#15 Endosulfan II

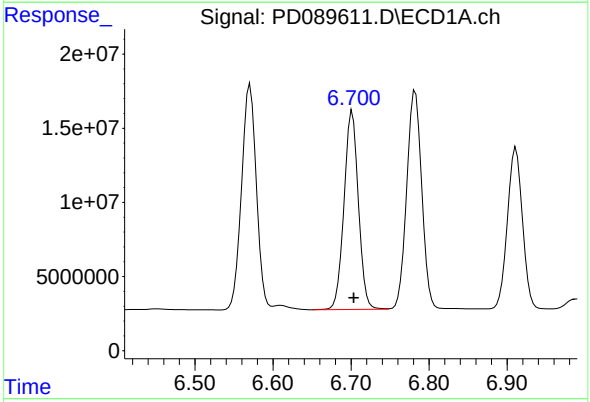
R.T.: 6.782 min
Delta R.T.: -0.002 min
Response: 195961333
Conc: 48.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



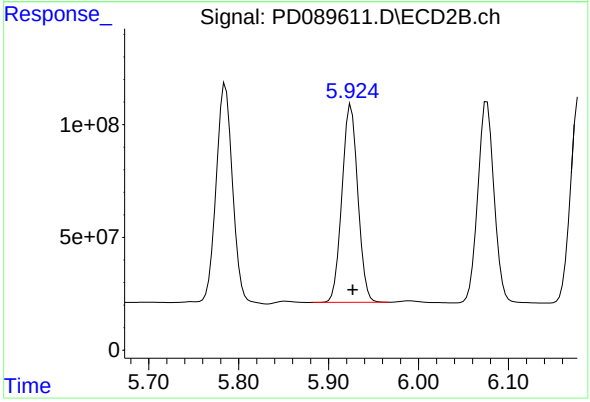
#15 Endosulfan II

R.T.: 6.076 min
Delta R.T.: -0.001 min
Response: 1124181851
Conc: 48.95 ng/ml



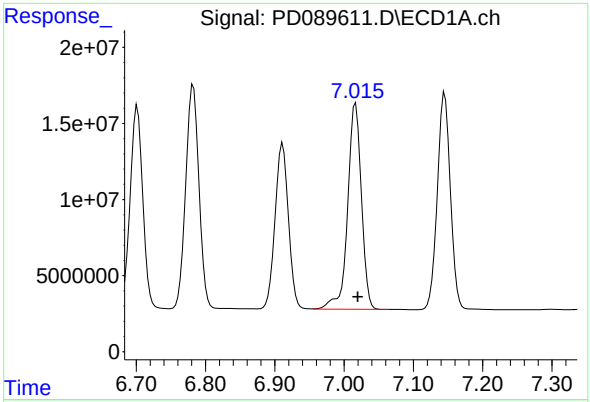
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: -0.002 min
Response: 170977071
Conc: 50.45 ng/ml



#16 4,4'-DDD

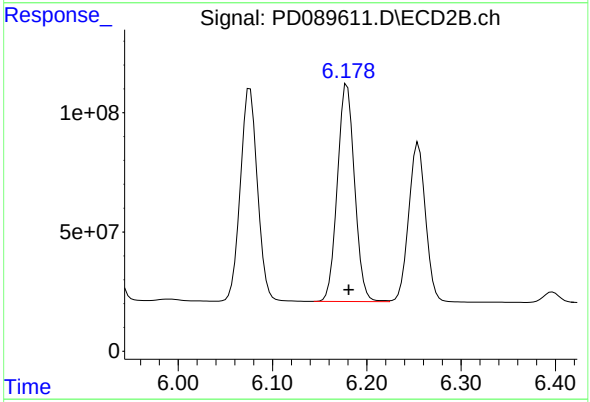
R.T.: 5.925 min
Delta R.T.: -0.002 min
Response: 1075810145
Conc: 49.07 ng/ml



#17 4,4'-DDT

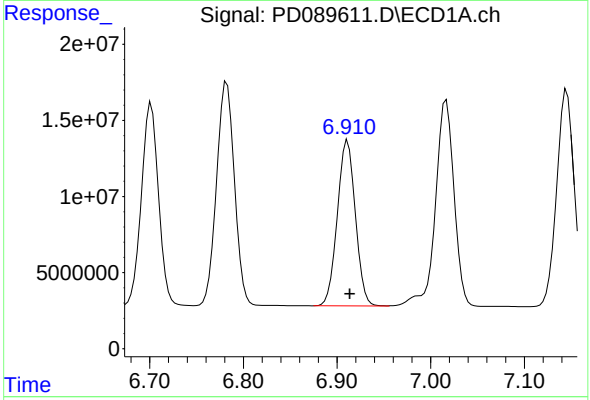
R.T.: 7.017 min
Delta R.T.: -0.003 min
Response: 187081086
Conc: 49.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



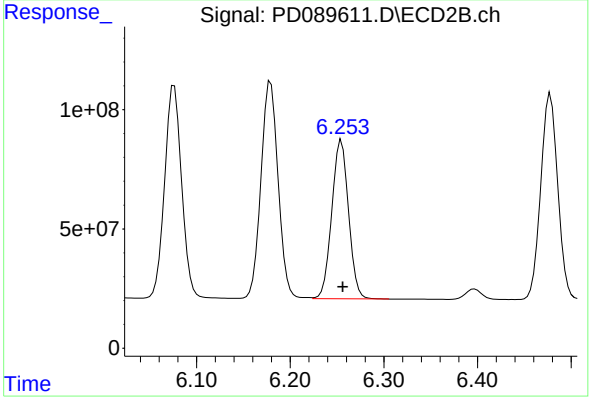
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 1156799788
Conc: 49.42 ng/ml



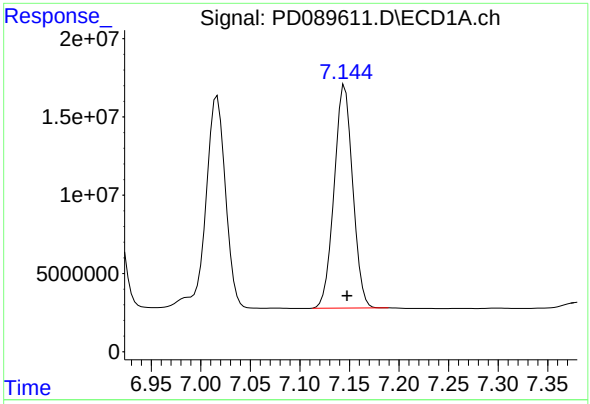
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: -0.002 min
Response: 145880541
Conc: 50.03 ng/ml



#18 Endrin aldehyde

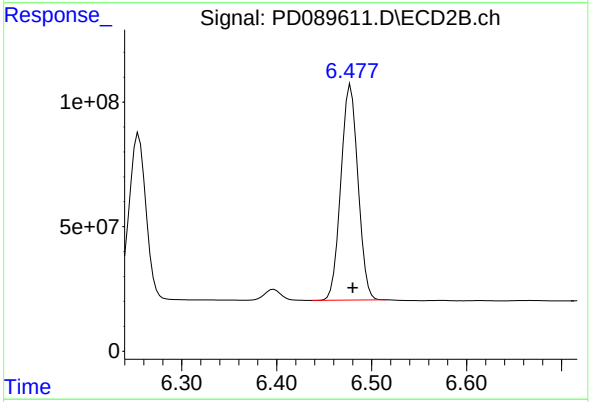
R.T.: 6.255 min
Delta R.T.: -0.001 min
Response: 829046643
Conc: 49.95 ng/ml



#19 Endosulfan Sulfate

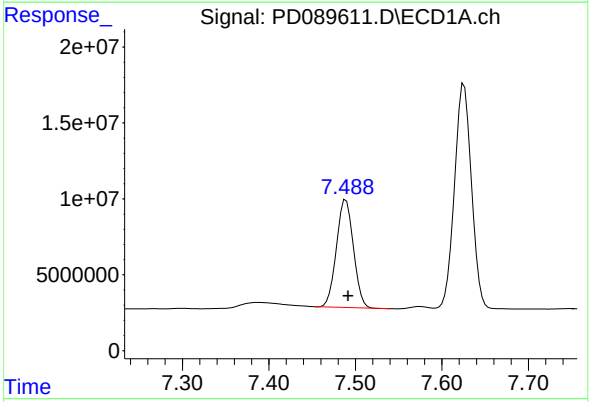
R.T.: 7.145 min
Delta R.T.: -0.002 min
Response: 185811276
Conc: 49.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



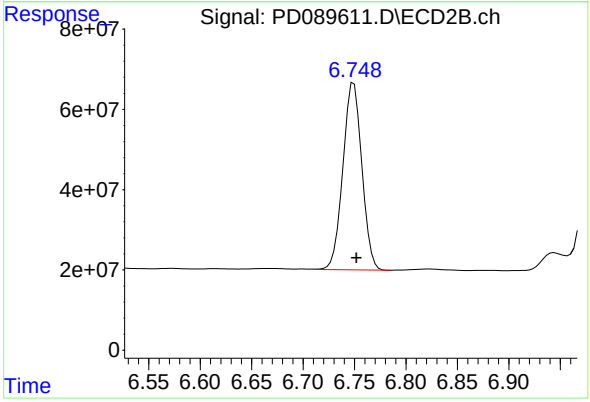
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: -0.002 min
Response: 1084597393
Conc: 48.86 ng/ml



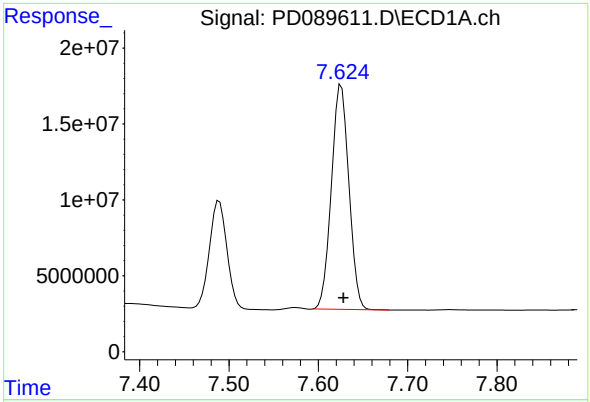
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: -0.003 min
Response: 96159429
Conc: 47.96 ng/ml



#20 Methoxychlor

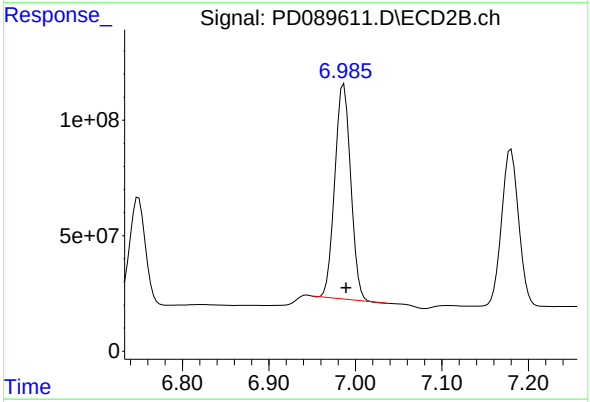
R.T.: 6.749 min
Delta R.T.: -0.003 min
Response: 598578321
Conc: 49.10 ng/ml



#21 Endrin ketone

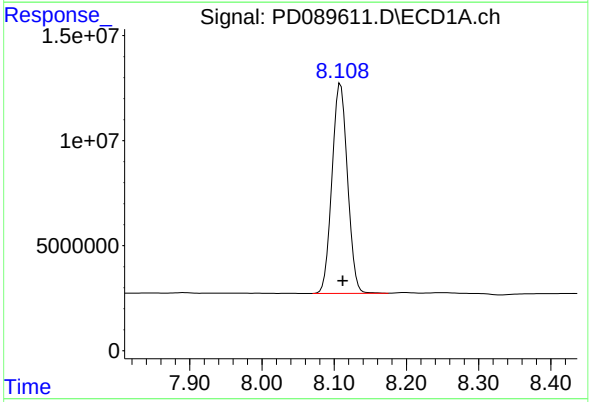
R.T.: 7.626 min
Delta R.T.: -0.002 min
Response: 201285772
Conc: 50.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



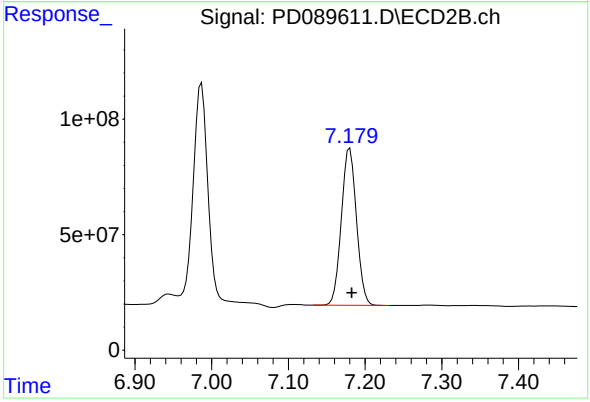
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: -0.002 min
Response: 1179224370
Conc: 48.15 ng/ml



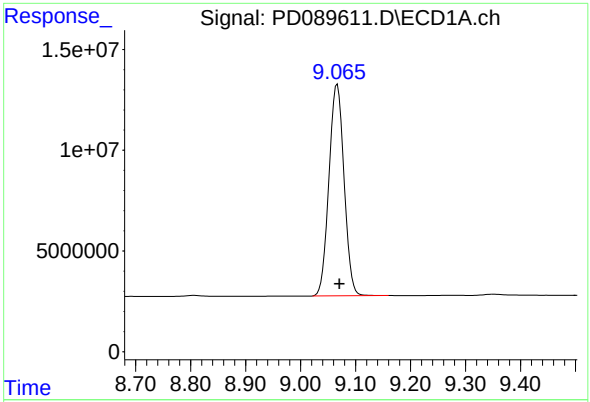
#22 Mirex

R.T.: 8.109 min
Delta R.T.: -0.003 min
Response: 149207275
Conc: 48.50 ng/ml



#22 Mirex

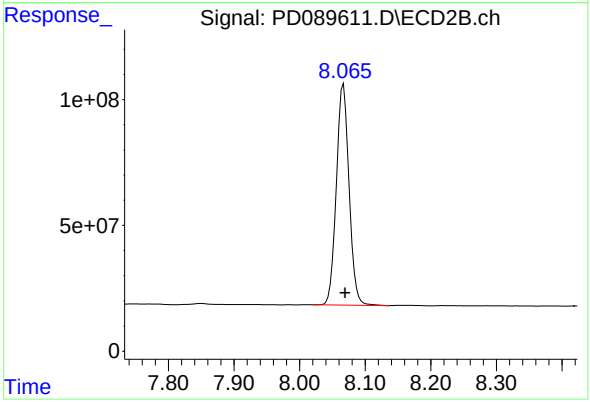
R.T.: 7.180 min
Delta R.T.: -0.003 min
Response: 934489358
Conc: 48.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: -0.004 min
Response: 200273134
Conc: 48.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.003 min
Response: 1183978163
Conc: 48.19 ng/ml

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.:** Q2639

Continuing Calib Date: 07/23/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 22:08 **Initial Calibration Time(s):** 12:49 13:44

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.51	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.35	6.25	6.45	0.01
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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.:** Q2639

Continuing Calib Date: 07/23/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 22:08 **Initial Calibration Time(s):** 12:49 13:44

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.79	5.79	5.69	5.89	0.01
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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.:** Q2639

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/23/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089620.D **Time Analyzed:** 22:08

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.701	6.603	6.803	53.360	50.000	6.7
4,4'-DDE	6.192	6.094	6.294	52.540	50.000	5.1
4,4'-DDT	7.017	6.919	7.119	43.050	50.000	-13.9
Aldrin	5.268	5.169	5.369	54.750	50.000	9.5
alpha-BHC	3.997	3.898	4.098	56.720	50.000	13.4
alpha-Chlordane	6.023	5.924	6.124	52.770	50.000	5.5
beta-BHC	4.513	4.414	4.614	54.410	50.000	8.8
Decachlorobiphenyl	9.067	8.971	9.171	49.380	50.000	-1.2
delta-BHC	4.761	4.663	4.863	55.910	50.000	11.8
Dieldrin	6.343	6.245	6.445	53.330	50.000	6.7
Endosulfan I	6.071	5.972	6.172	52.810	50.000	5.6
Endosulfan II	6.783	6.684	6.884	48.540	50.000	-2.9
Endosulfan sulfate	7.146	7.047	7.247	50.430	50.000	0.9
Endrin	6.571	6.472	6.672	51.980	50.000	4.0
Endrin aldehyde	6.911	6.813	7.013	49.920	50.000	-0.2
Endrin ketone	7.626	7.528	7.728	48.840	50.000	-2.3
gamma-BHC (Lindane)	4.328	4.228	4.428	54.870	50.000	9.7
gamma-Chlordane	5.942	5.844	6.044	52.970	50.000	5.9
Heptachlor	4.926	4.827	5.027	50.560	50.000	1.1
Heptachlor epoxide	5.687	5.588	5.788	52.960	50.000	5.9
Methoxychlor	7.490	7.392	7.592	41.680	50.000	-16.6
Tetrachloro-m-xylene	3.548	3.448	3.648	54.700	50.000	9.4

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.:** Q2639

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/23/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089620.D **Time Analyzed:** 22:08

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.925	5.827	6.027	52.890	50.000	5.8
4,4'-DDE	5.371	5.272	5.472	52.750	50.000	5.5
4,4'-DDT	6.179	6.081	6.281	43.710	50.000	-12.6
Aldrin	4.366	4.266	4.466	54.050	50.000	8.1
alpha-BHC	3.391	3.291	3.491	54.470	50.000	8.9
alpha-Chlordane	5.186	5.087	5.287	53.000	50.000	6.0
beta-BHC	4.023	3.923	4.123	53.380	50.000	6.8
Decachlorobiphenyl	8.067	7.970	8.170	46.130	50.000	-7.7
delta-BHC	4.259	4.160	4.360	54.090	50.000	8.2
Dieldrin	5.509	5.410	5.610	52.700	50.000	5.4
Endosulfan I	5.243	5.144	5.344	52.320	50.000	4.6
Endosulfan II	6.076	5.978	6.178	51.310	50.000	2.6
Endosulfan sulfate	6.478	6.379	6.579	49.730	50.000	-0.5
Endrin	5.785	5.687	5.887	55.130	50.000	10.3
Endrin aldehyde	6.255	6.156	6.356	50.060	50.000	0.1
Endrin ketone	6.987	6.889	7.089	47.600	50.000	-4.8
gamma-BHC (Lindane)	3.727	3.627	3.827	53.150	50.000	6.3
gamma-Chlordane	5.122	5.023	5.223	53.640	50.000	7.3
Heptachlor	4.080	3.980	4.180	50.600	50.000	1.2
Heptachlor epoxide	4.869	4.770	4.970	53.510	50.000	7.0
Methoxychlor	6.749	6.651	6.851	42.630	50.000	-14.7
Tetrachloro-m-xylene	2.880	2.779	2.979	53.930	50.000	7.9

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089620.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 22:08
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:17:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.880	157.6E6	1055.2E6	54.697	53.932
28)	SA Decachlor...	9.067	8.067	202.8E6	1133.3E6	49.379	46.128
	Target Compounds						
2)	A alpha-BHC	3.997	3.391	323.8E6	1636.5E6	56.719	54.469
3)	MA gamma-BHC...	4.328	3.727	302.7E6	1475.4E6	54.869	53.146
4)	MA Heptachlor	4.926	4.080	275.7E6	1417.7E6	50.558	50.601
5)	MB Aldrin	5.268	4.366	286.5E6	1480.2E6	54.749	54.048
6)	B beta-BHC	4.513	4.023	117.3E6	635.4E6	54.413	53.384
7)	B delta-BHC	4.761	4.259	295.5E6	1508.8E6	55.911	54.086
8)	B Heptachlo...	5.687	4.869	250.2E6	1330.4E6	52.965	53.512
9)	A Endosulfan I	6.071	5.243	234.8E6	1242.3E6	52.809	52.318
10)	B gamma-Chl...	5.942	5.122	251.1E6	1435.1E6	52.966	53.645
11)	B alpha-Chl...	6.023	5.186	251.5E6	1366.9E6	52.771	52.999
12)	B 4,4'-DDE	6.192	5.371	225.6E6	1384.9E6	52.541	52.746
13)	MA Dieldrin	6.343	5.509	251.7E6	1392.7E6	53.327	52.700
14)	MA Endrin	6.571	5.785	211.7E6	1333.1E6	51.976	55.131
15)	B Endosulfa...	6.783	6.076	197.5E6	1178.5E6	48.538	51.309
16)	A 4,4'-DDD	6.701	5.925	180.8E6	1159.5E6	53.360	52.892
17)	MA 4,4'-DDT	7.017	6.179	162.4E6	1023.0E6	43.047	43.705
18)	B Endrin al...	6.911	6.255	145.5E6	830.9E6	49.919	50.060
19)	B Endosulfa...	7.146	6.478	190.3E6	1103.9E6	50.430	49.731
20)	A Methoxychlor	7.490	6.749	83555154	519.7E6	41.676	42.630
21)	B Endrin ke...	7.626	6.987	196.5E6	1165.6E6	48.836	47.596
22)	Mirex	8.109	7.180	150.5E6	928.5E6	48.932	48.036

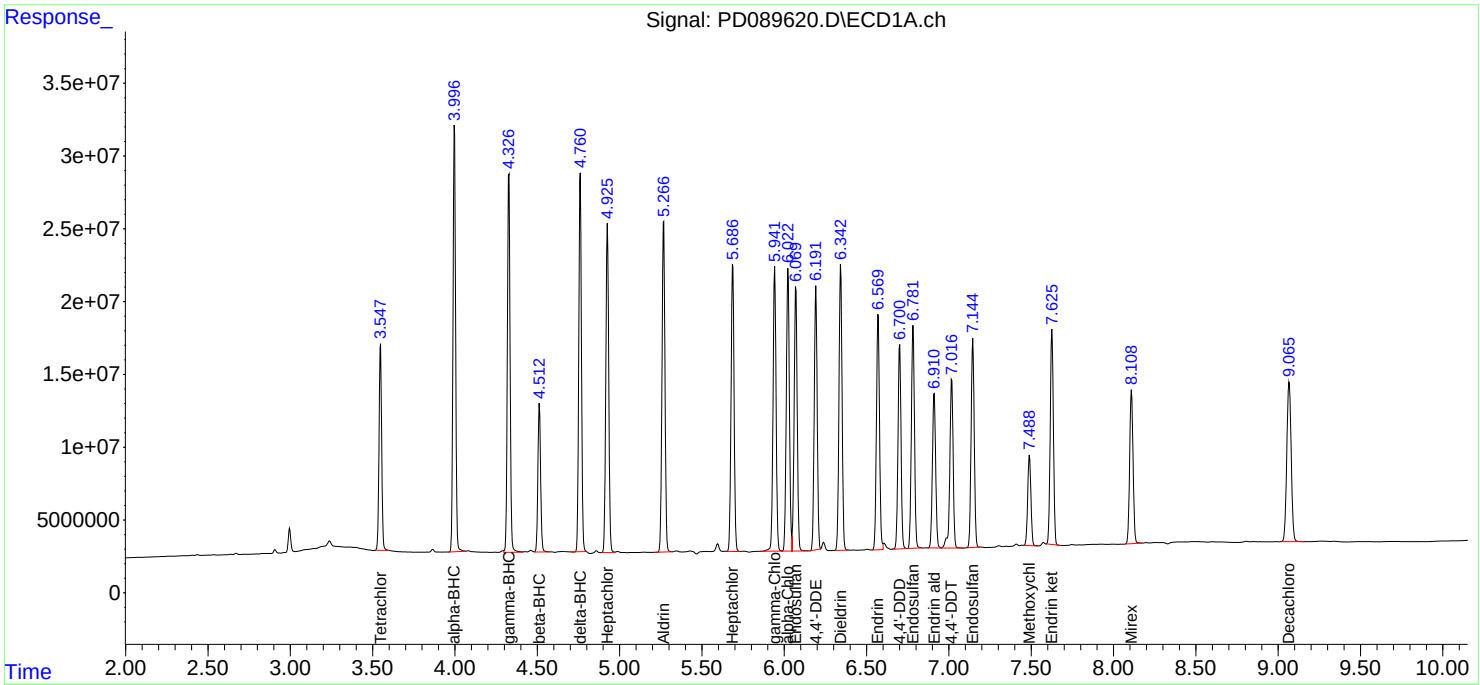
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

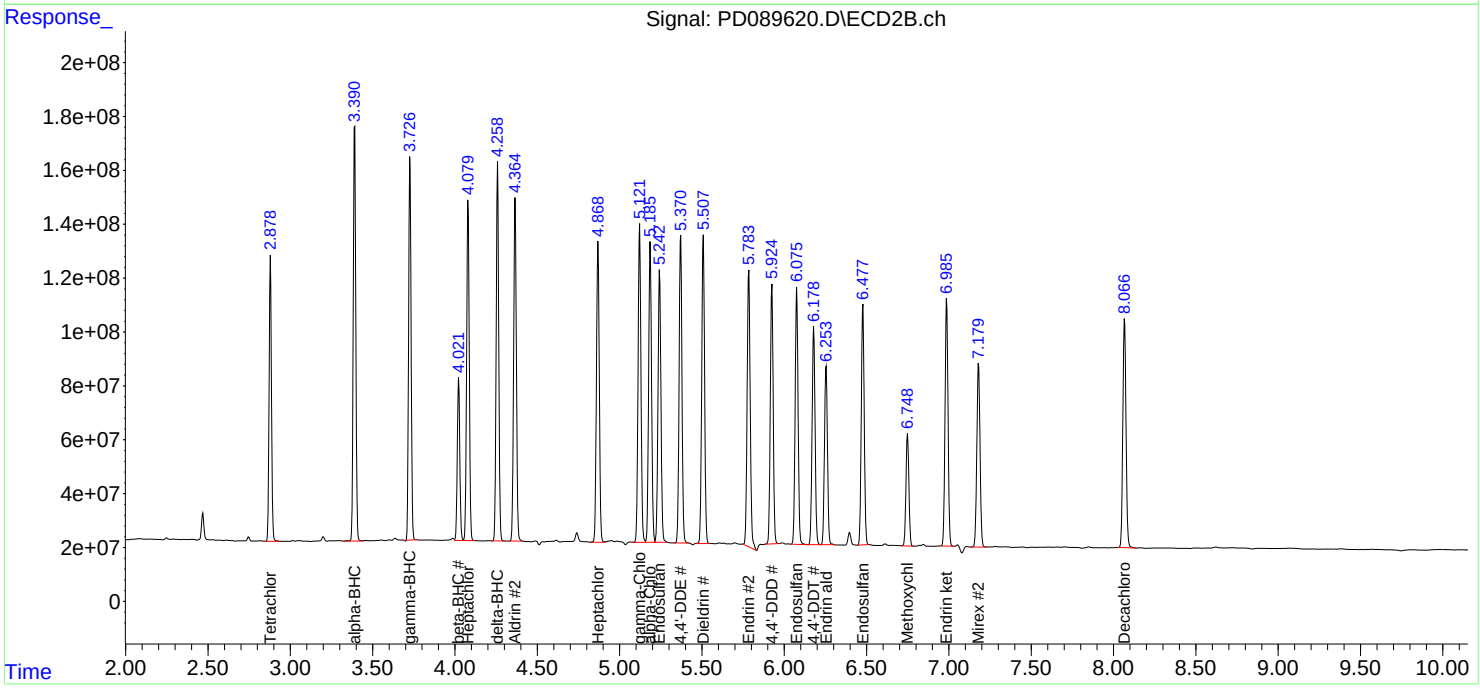
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089620.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 22:08
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

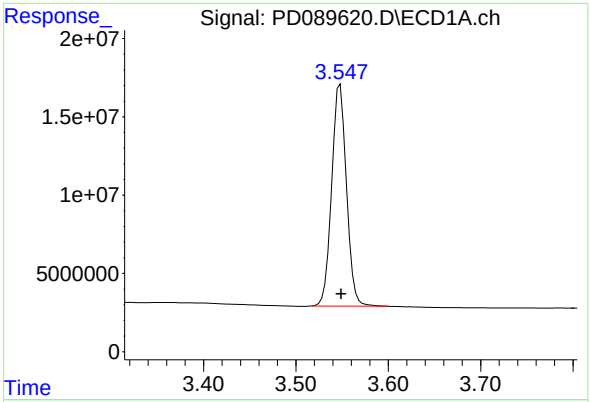
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:17:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



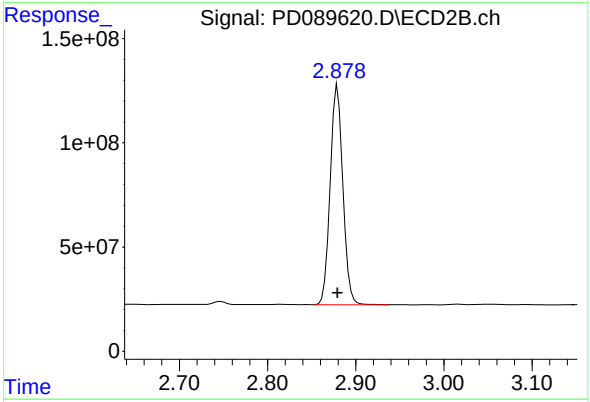




#1 Tetrachloro-m-xylene

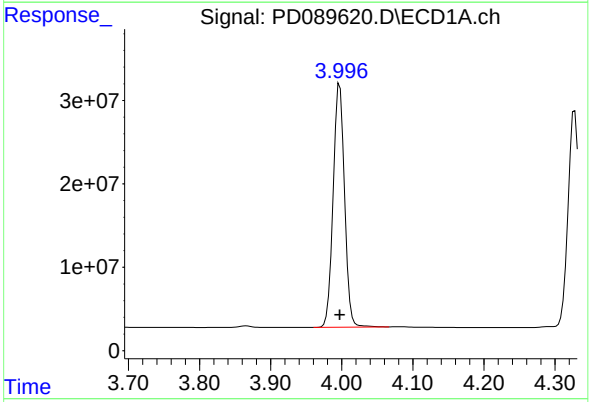
R.T.: 3.548 min
Delta R.T.: -0.001 min
Response: 157601450
Conc: 54.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



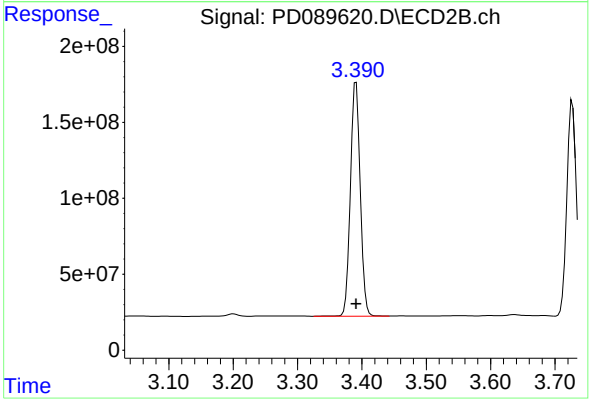
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 1055242000
Conc: 53.93 ng/ml



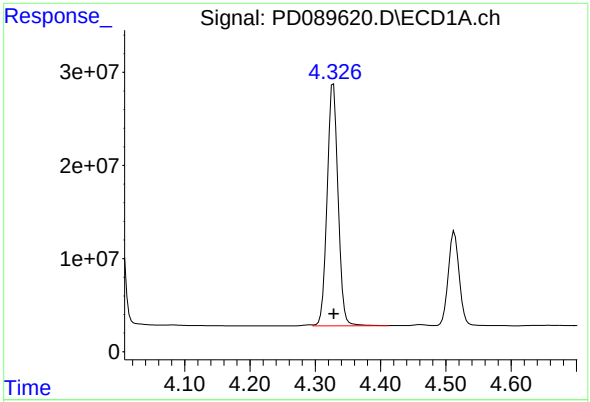
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 323843274
Conc: 56.72 ng/ml



#2 alpha-BHC

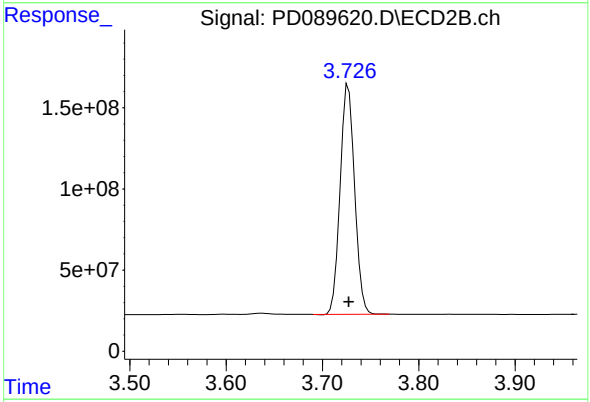
R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 1636518444
Conc: 54.47 ng/ml



#3 gamma-BHC (Lindane)

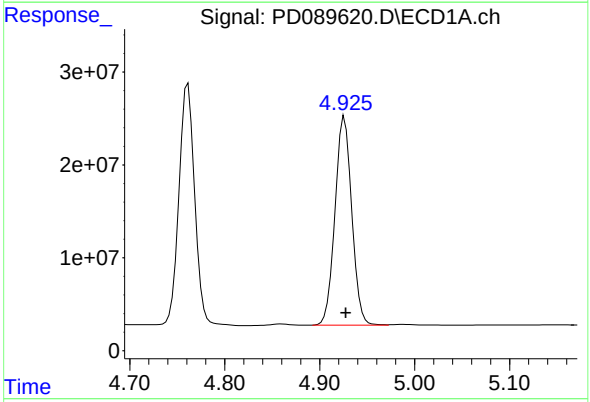
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 302735154
Conc: 54.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



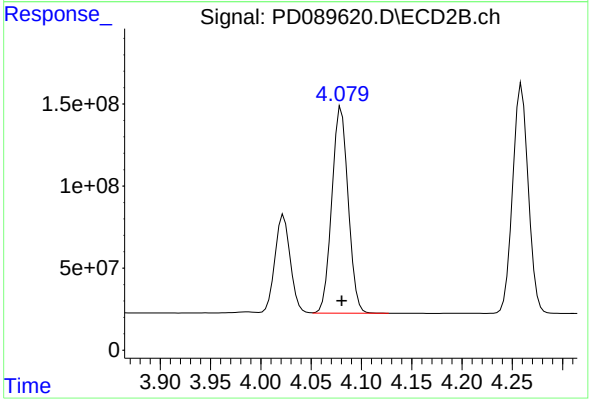
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1475446283
Conc: 53.15 ng/ml



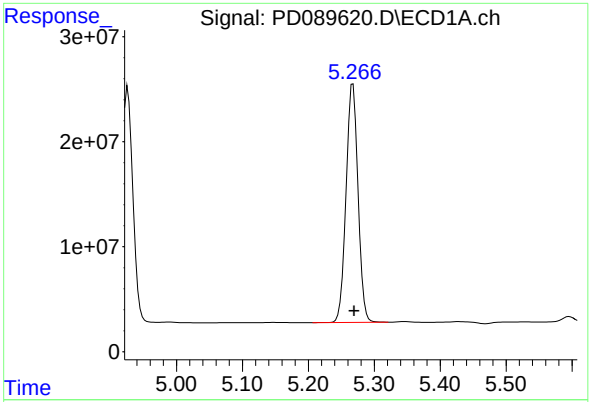
#4 Heptachlor

R.T.: 4.926 min
Delta R.T.: -0.001 min
Response: 275738554
Conc: 50.56 ng/ml



#4 Heptachlor

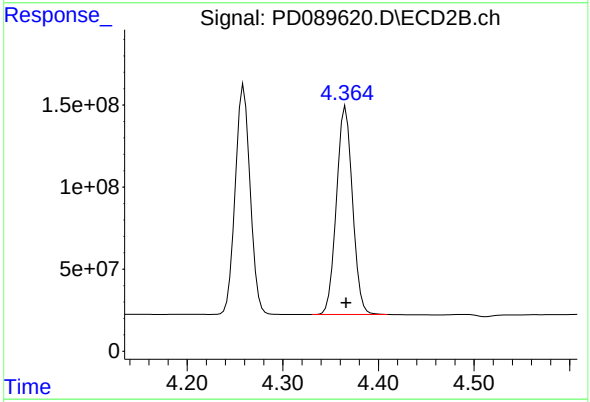
R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 1417748201
Conc: 50.60 ng/ml



#5 Aldrin

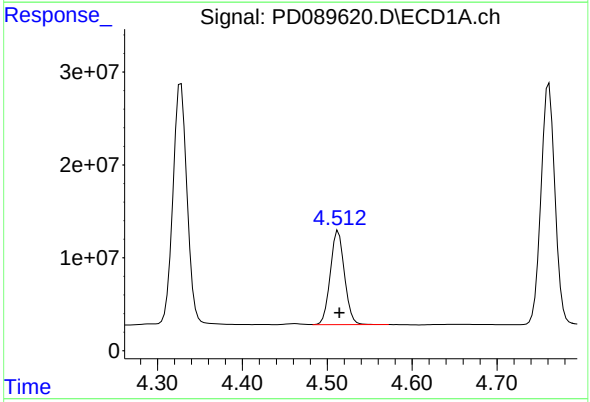
R.T.: 5.268 min
Delta R.T.: -0.001 min
Response: 286496273
Conc: 54.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



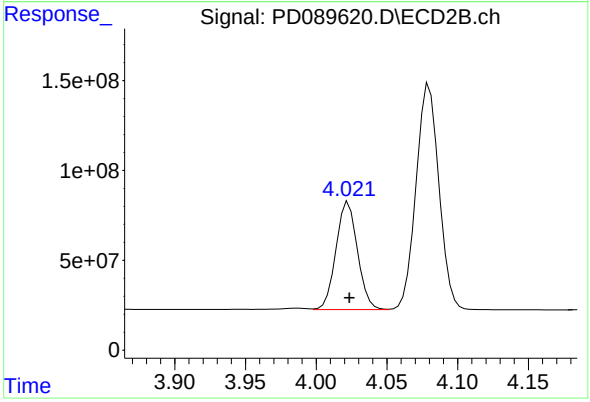
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: 0.000 min
Response: 1480178148
Conc: 54.05 ng/ml



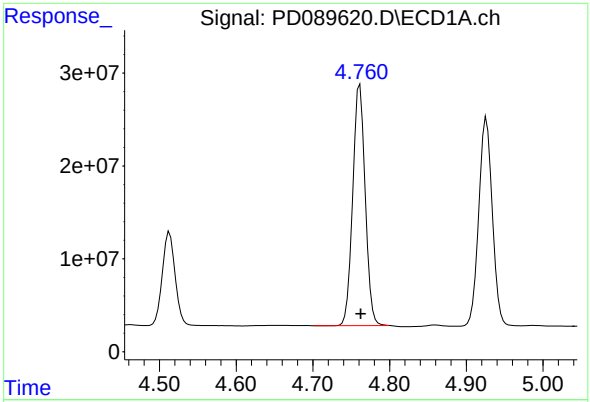
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: -0.001 min
Response: 117323390
Conc: 54.41 ng/ml



#6 beta-BHC

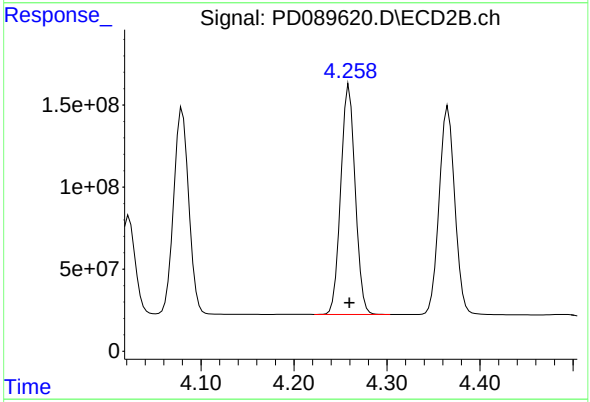
R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 635414403
Conc: 53.38 ng/ml



#7 delta-BHC

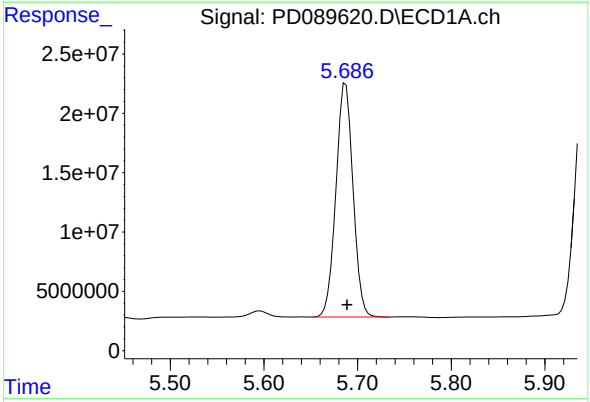
R.T.: 4.761 min
Delta R.T.: -0.001 min
Response: 295497280
Conc: 55.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



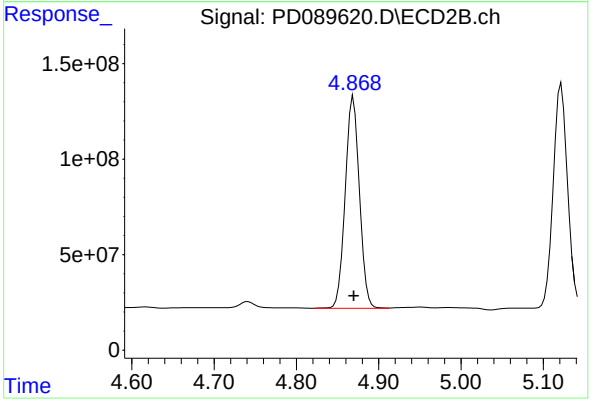
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 1508782623
Conc: 54.09 ng/ml



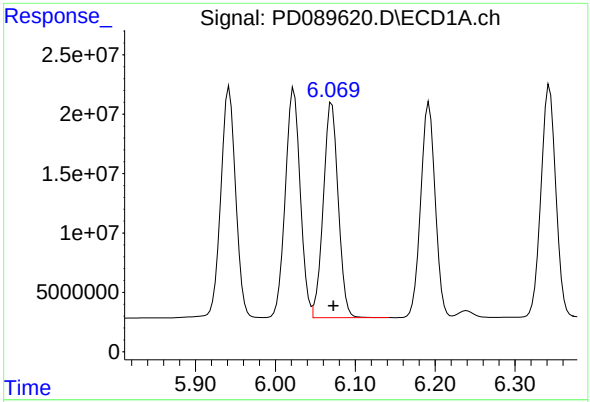
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: -0.002 min
Response: 250183941
Conc: 52.96 ng/ml



#8 Heptachlor epoxide

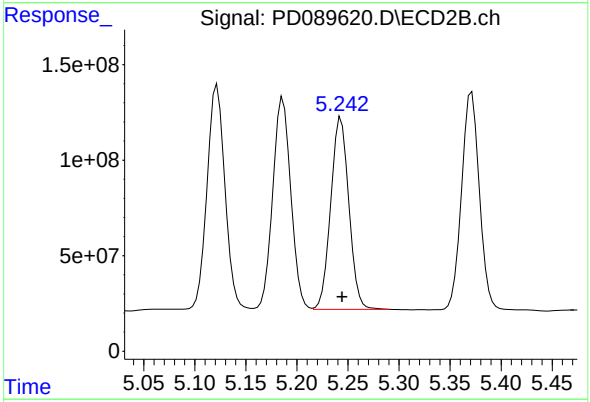
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 1330395004
Conc: 53.51 ng/ml



#9 Endosulfan I

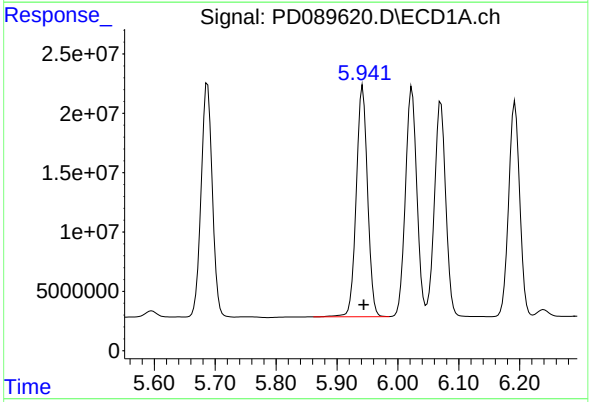
R.T.: 6.071 min
Delta R.T.: -0.002 min
Response: 234769643
Conc: 52.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



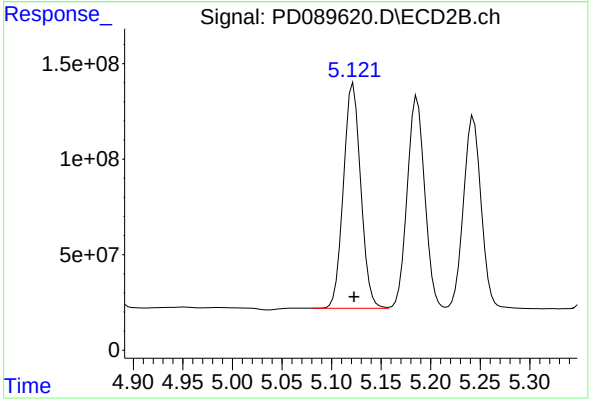
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 1242342380
Conc: 52.32 ng/ml



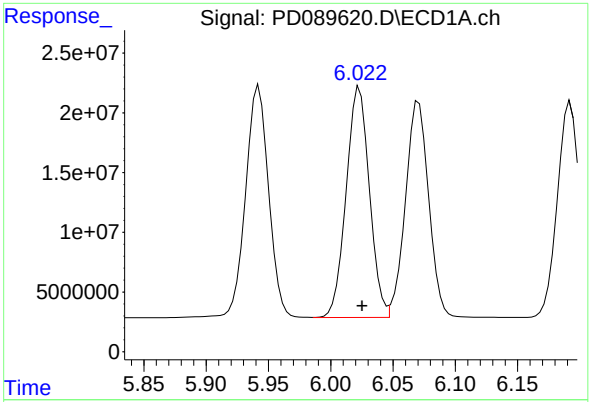
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: -0.002 min
Response: 251113170
Conc: 52.97 ng/ml



#10 gamma-Chlordane

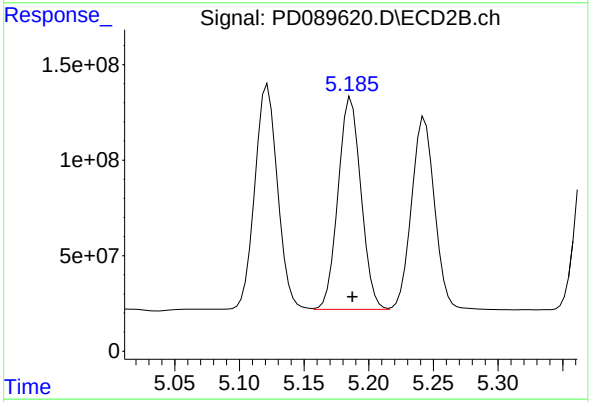
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 1435144351
Conc: 53.64 ng/ml



#11 alpha-Chlordane

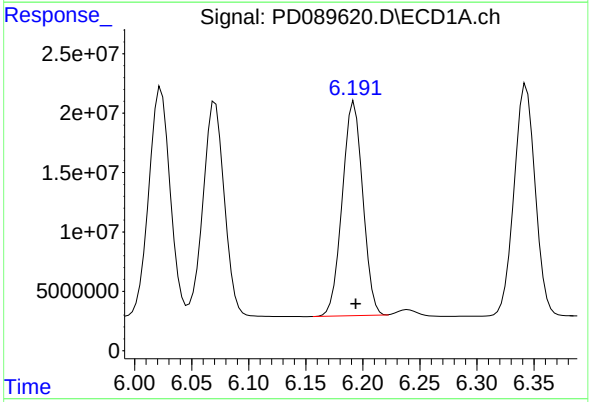
R.T.: 6.023 min
Delta R.T.: -0.002 min
Response: 251542715
Conc: 52.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



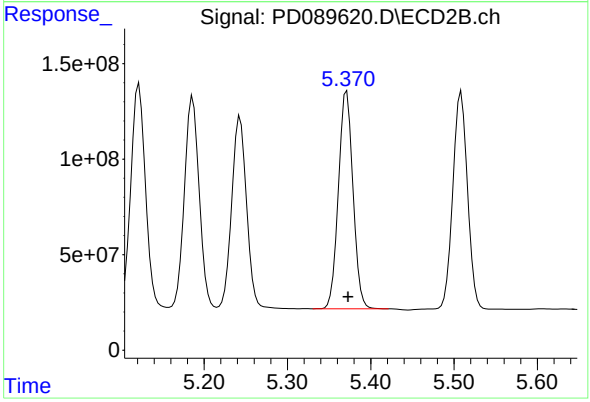
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: -0.001 min
Response: 1366948887
Conc: 53.00 ng/ml



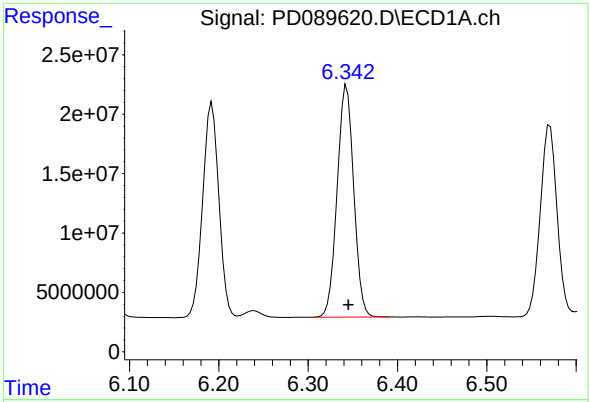
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.001 min
Response: 225602725
Conc: 52.54 ng/ml



#12 4,4'-DDE

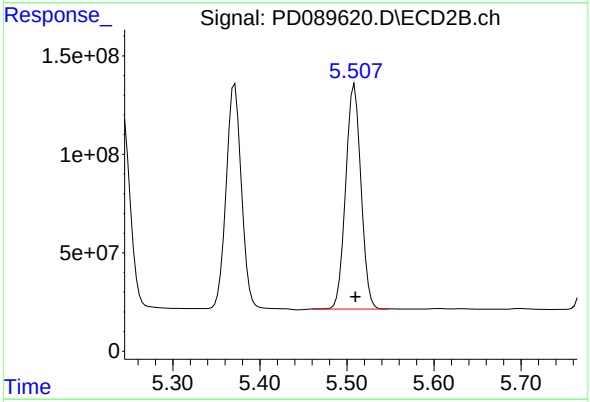
R.T.: 5.371 min
Delta R.T.: -0.001 min
Response: 1384904079
Conc: 52.75 ng/ml



#13 Dieldrin

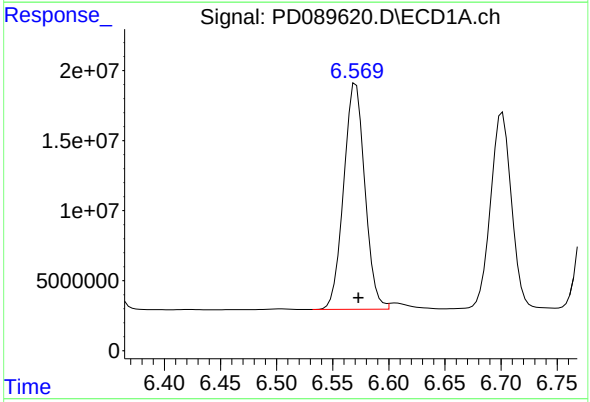
R.T.: 6.343 min
Delta R.T.: -0.002 min
Response: 251737945
Conc: 53.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



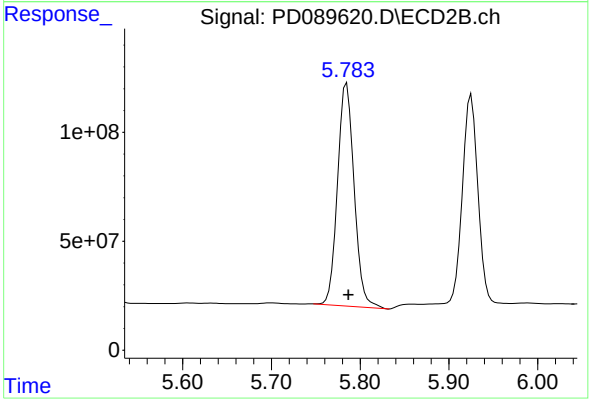
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: -0.001 min
Response: 1392684332
Conc: 52.70 ng/ml



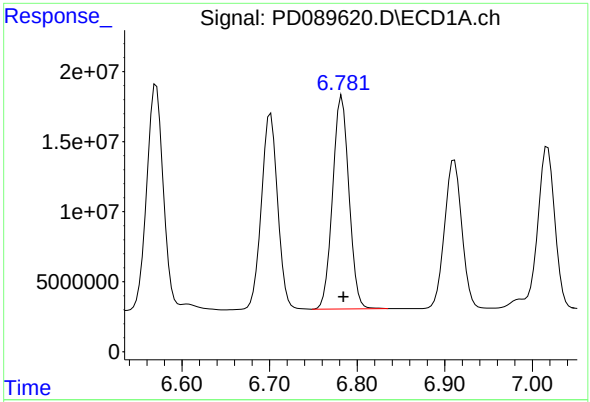
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 211677052
Conc: 51.98 ng/ml



#14 Endrin

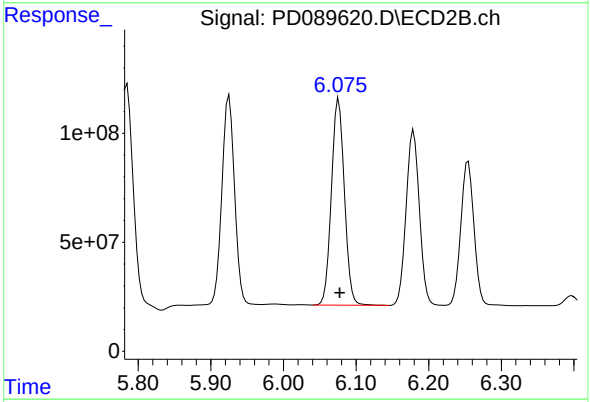
R.T.: 5.785 min
Delta R.T.: -0.002 min
Response: 1333146776
Conc: 55.13 ng/ml



#15 Endosulfan II

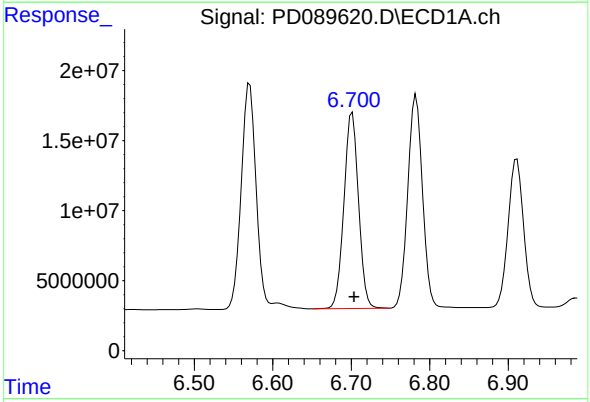
R.T.: 6.783 min
Delta R.T.: -0.002 min
Response: 197497507
Conc: 48.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



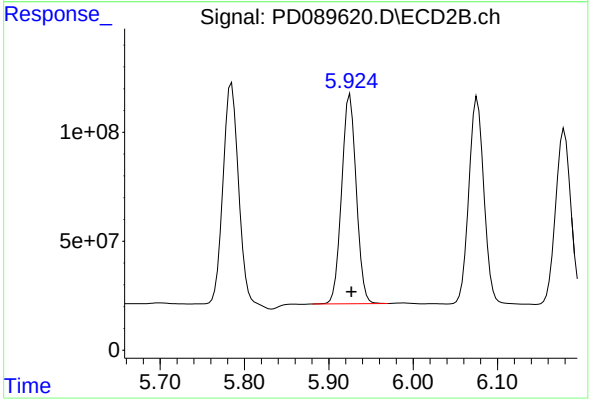
#15 Endosulfan II

R.T.: 6.076 min
Delta R.T.: -0.001 min
Response: 1178475105
Conc: 51.31 ng/ml



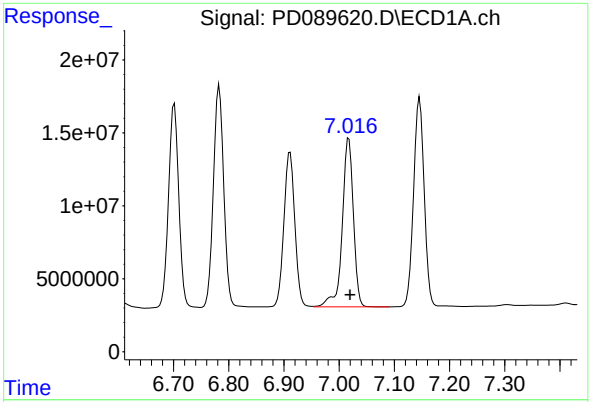
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: -0.002 min
Response: 180823386
Conc: 53.36 ng/ml



#16 4,4'-DDD

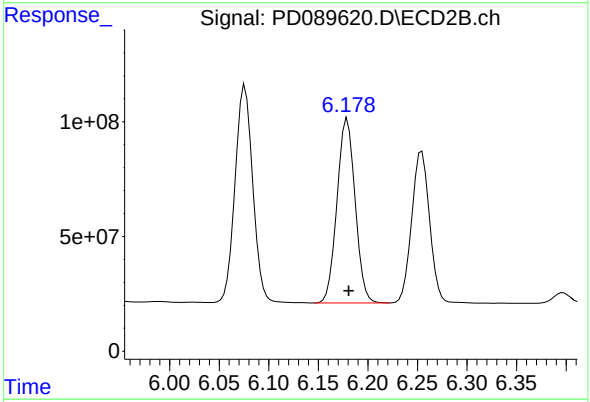
R.T.: 5.925 min
Delta R.T.: -0.002 min
Response: 1159497534
Conc: 52.89 ng/ml



#17 4,4'-DDT

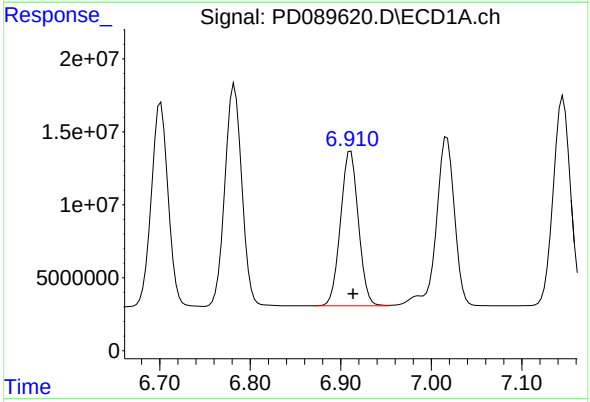
R.T.: 7.017 min
Delta R.T.: -0.002 min
Response: 162412789
Conc: 43.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



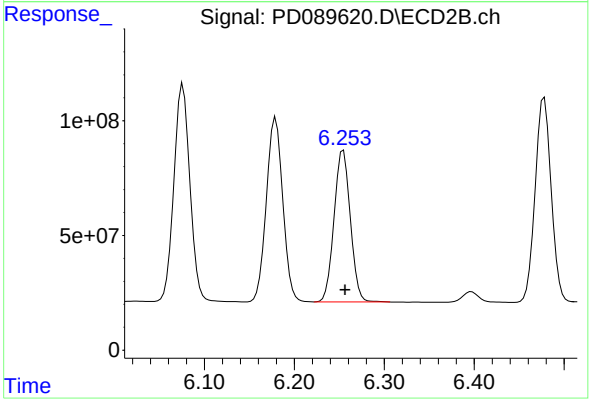
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 1023012249
Conc: 43.71 ng/ml



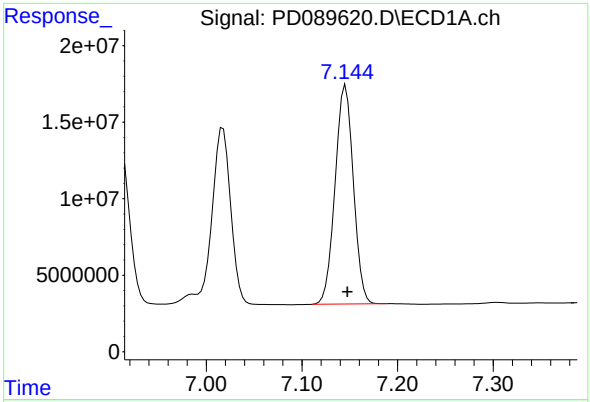
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: -0.003 min
Response: 145545243
Conc: 49.92 ng/ml



#18 Endrin aldehyde

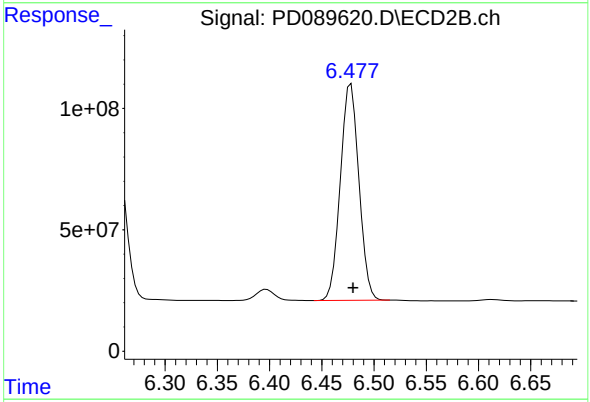
R.T.: 6.255 min
Delta R.T.: -0.002 min
Response: 830873212
Conc: 50.06 ng/ml



#19 Endosulfan Sulfate

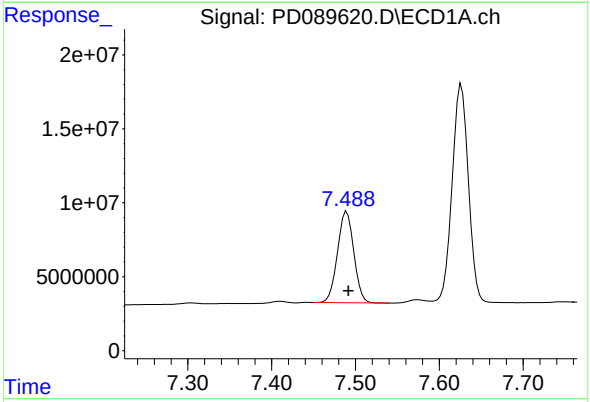
R.T.: 7.146 min
Delta R.T.: -0.002 min
Response: 190330780
Conc: 50.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



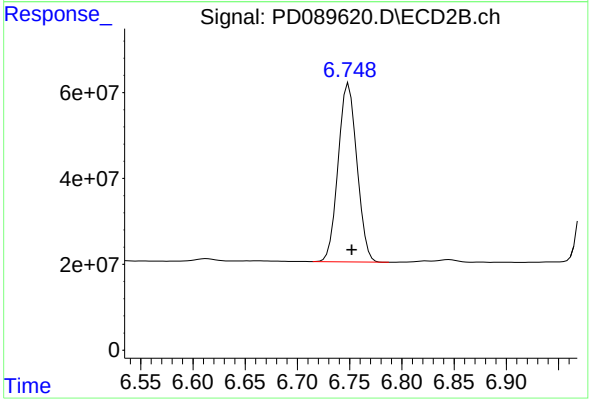
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: -0.002 min
Response: 1103930838
Conc: 49.73 ng/ml



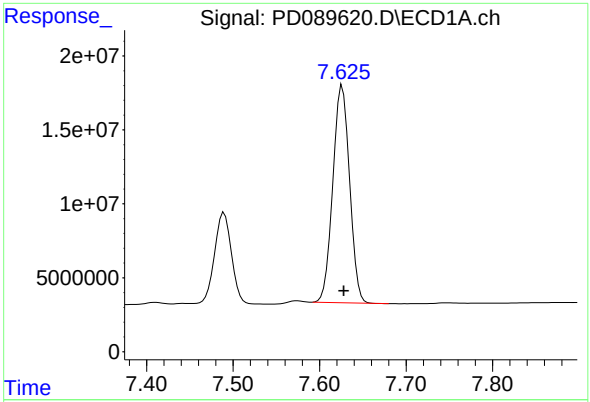
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: -0.002 min
Response: 83555154
Conc: 41.68 ng/ml



#20 Methoxychlor

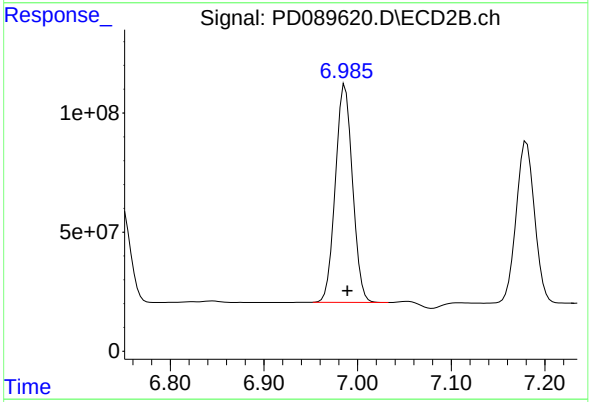
R.T.: 6.749 min
Delta R.T.: -0.003 min
Response: 519744070
Conc: 42.63 ng/ml



#21 Endrin ketone

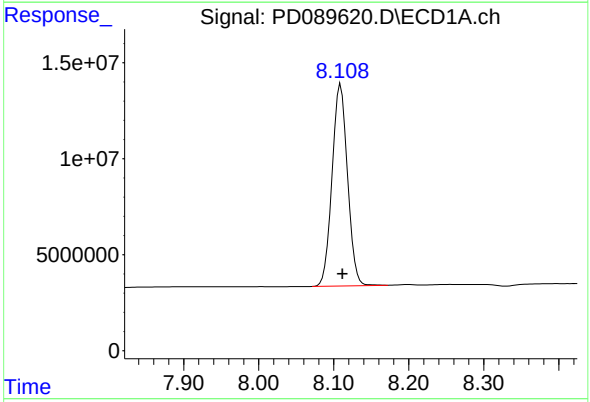
R.T.: 7.626 min
Delta R.T.: -0.002 min
Response: 196527670
Conc: 48.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



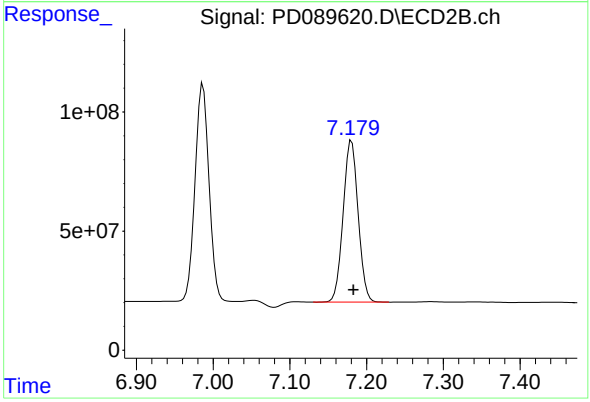
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: -0.003 min
Response: 1165568146
Conc: 47.60 ng/ml



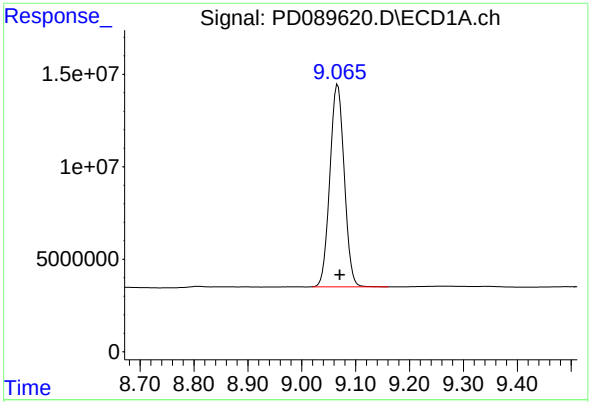
#22 Mirex

R.T.: 8.109 min
Delta R.T.: -0.002 min
Response: 150525183
Conc: 48.93 ng/ml



#22 Mirex

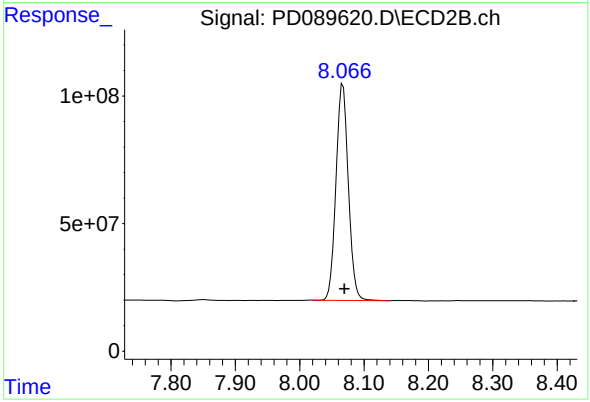
R.T.: 7.180 min
Delta R.T.: -0.002 min
Response: 928519237
Conc: 48.04 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: -0.004 min
Response: 202801501
Conc: 49.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.002 min
Response: 1133298964
Conc: 46.13 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.:** Q2639

Continuing Calib Date: 07/24/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 17:04 **Initial Calibration Time(s):** 12:49 13:44

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.51	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.01
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

Continuing Calib Date: 07/24/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 17:04 **Initial Calibration Time(s):** 12:49 13:44

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.01
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.79	5.79	5.69	5.89	0.01
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.25	6.26	6.16	6.36	0.01
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/24/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089628.D **Time Analyzed:** 17:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.703	6.603	6.803	58.480	50.000	17.0
4,4'-DDE	6.193	6.094	6.294	55.760	50.000	11.5
4,4'-DDT	7.018	6.919	7.119	47.380	50.000	-5.2
Aldrin	5.269	5.169	5.369	57.410	50.000	14.8
alpha-BHC	3.998	3.898	4.098	58.900	50.000	17.8
alpha-Chlordane	6.024	5.924	6.124	56.090	50.000	12.2
beta-BHC	4.514	4.414	4.614	56.770	50.000	13.5
Decachlorobiphenyl	9.070	8.971	9.171	51.710	50.000	3.4
delta-BHC	4.763	4.663	4.863	58.250	50.000	16.5
Dieldrin	6.345	6.245	6.445	56.610	50.000	13.2
Endosulfan I	6.072	5.972	6.172	56.180	50.000	12.4
Endosulfan II	6.784	6.684	6.884	52.890	50.000	5.8
Endosulfan sulfate	7.147	7.047	7.247	53.930	50.000	7.9
Endrin	6.572	6.472	6.672	54.550	50.000	9.1
Endrin aldehyde	6.912	6.813	7.013	53.550	50.000	7.1
Endrin ketone	7.628	7.528	7.728	53.920	50.000	7.8
gamma-BHC (Lindane)	4.329	4.228	4.428	58.120	50.000	16.2
gamma-Chlordane	5.944	5.844	6.044	57.270	50.000	14.5
Heptachlor	4.927	4.827	5.027	54.210	50.000	8.4
Heptachlor epoxide	5.688	5.588	5.788	56.330	50.000	12.7
Methoxychlor	7.491	7.392	7.592	45.620	50.000	-8.8
Tetrachloro-m-xylene	3.548	3.448	3.648	56.300	50.000	12.6

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/24/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089628.D **Time Analyzed:** 17:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.925	5.827	6.027	55.740	50.000	11.5
4,4'-DDE	5.371	5.272	5.472	54.410	50.000	8.8
4,4'-DDT	6.178	6.081	6.281	47.090	50.000	-5.8
Aldrin	4.365	4.266	4.466	55.210	50.000	10.4
alpha-BHC	3.390	3.291	3.491	55.740	50.000	11.5
alpha-Chlordane	5.186	5.087	5.287	54.730	50.000	9.5
beta-BHC	4.022	3.923	4.123	54.630	50.000	9.3
Decachlorobiphenyl	8.067	7.970	8.170	49.600	50.000	-0.8
delta-BHC	4.259	4.160	4.360	55.200	50.000	10.4
Dieldrin	5.508	5.410	5.610	54.980	50.000	10.0
Endosulfan I	5.243	5.144	5.344	53.820	50.000	7.6
Endosulfan II	6.076	5.978	6.178	54.120	50.000	8.2
Endosulfan sulfate	6.478	6.379	6.579	52.420	50.000	4.8
Endrin	5.785	5.687	5.887	54.750	50.000	9.5
Endrin aldehyde	6.254	6.156	6.356	53.350	50.000	6.7
Endrin ketone	6.987	6.889	7.089	52.510	50.000	5.0
gamma-BHC (Lindane)	3.726	3.627	3.827	55.220	50.000	10.4
gamma-Chlordane	5.121	5.023	5.223	55.860	50.000	11.7
Heptachlor	4.079	3.980	4.180	52.970	50.000	5.9
Heptachlor epoxide	4.868	4.770	4.970	55.050	50.000	10.1
Methoxychlor	6.749	6.651	6.851	46.280	50.000	-7.4
Tetrachloro-m-xylene	2.878	2.779	2.979	55.320	50.000	10.6

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072525\
Data File : PD089628.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 17:04
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:32:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.878	162.2E6	1082.4E6	56.304	55.321
28)	SA Decachlor...	9.070	8.067	212.4E6	1218.5E6	51.708	49.595
	Target Compounds						
2)	A alpha-BHC	3.998	3.390	336.3E6	1674.8E6	58.900	55.745
3)	MA gamma-BHC...	4.329	3.726	320.7E6	1533.0E6	58.120	55.218
4)	MA Heptachlor	4.927	4.079	295.6E6	1484.2E6	54.207	52.973
5)	MB Aldrin	5.269	4.365	300.4E6	1512.1E6	57.413	55.215
6)	B beta-BHC	4.514	4.022	122.4E6	650.2E6	56.770	54.628
7)	B delta-BHC	4.763	4.259	307.9E6	1539.8E6	58.253	55.196
8)	B Heptachlo...	5.688	4.868	266.1E6	1368.6E6	56.326	55.048
9)	A Endosulfan I	6.072	5.243	249.7E6	1278.0E6	56.175	53.820
10)	B gamma-Chl...	5.944	5.121	271.5E6	1494.5E6	57.269	55.865
11)	B alpha-Chl...	6.024	5.186	267.4E6	1411.6E6	56.090	54.730
12)	B 4,4'-DDE	6.193	5.371	239.4E6	1428.7E6	55.757	54.413
13)	MA Dieldrin	6.345	5.508	267.2E6	1452.9E6	56.606	54.978
14)	MA Endrin	6.572	5.785	222.1E6	1323.9E6	54.547	54.750
15)	B Endosulfa...	6.784	6.076	215.2E6	1243.0E6	52.887	54.118
16)	A 4,4'-DDD	6.703	5.925	198.2E6	1221.9E6	58.476	55.737
17)	MA 4,4'-DDT	7.018	6.178	178.8E6	1102.2E6	47.378	47.088
18)	B Endrin al...	6.912	6.254	156.1E6	885.5E6	53.554	53.349
19)	B Endosulfa...	7.147	6.478	203.5E6	1163.6E6	53.931	52.419
20)	A Methoxychlor	7.491	6.749	91454641	564.3E6	45.616	46.281
21)	B Endrin ke...	7.628	6.987	217.0E6	1285.9E6	53.921	52.508
22)	Mirex	8.111	7.180	158.6E6	998.9E6	51.570	51.677

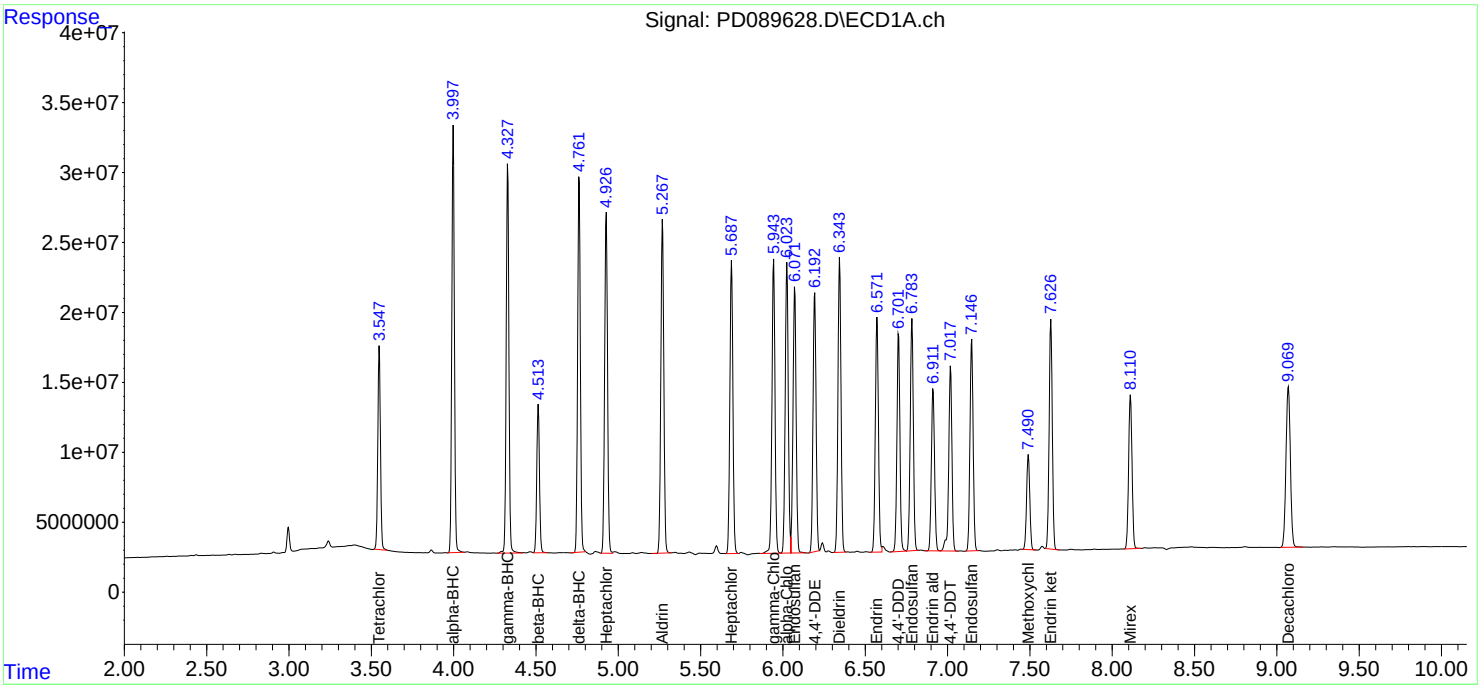
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

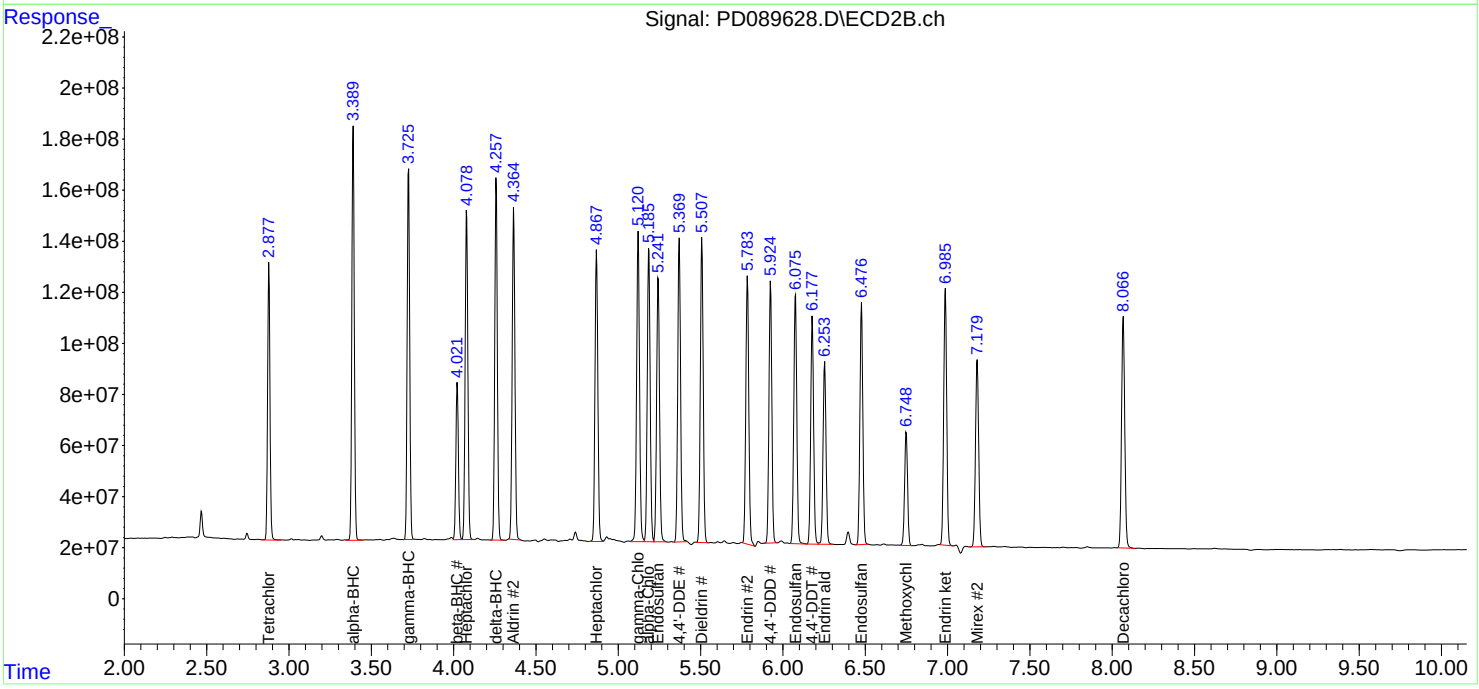
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072525\
Data File : PD089628.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 17:04
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

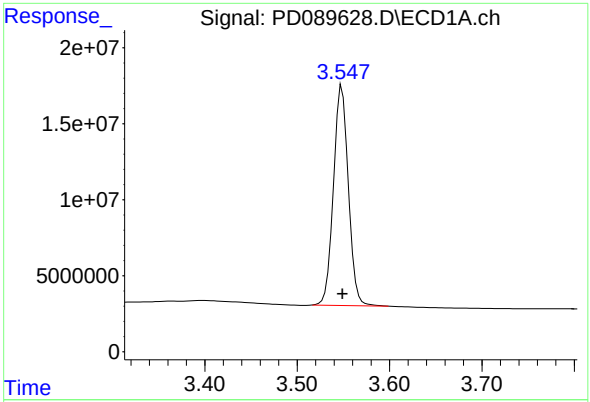
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:32:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



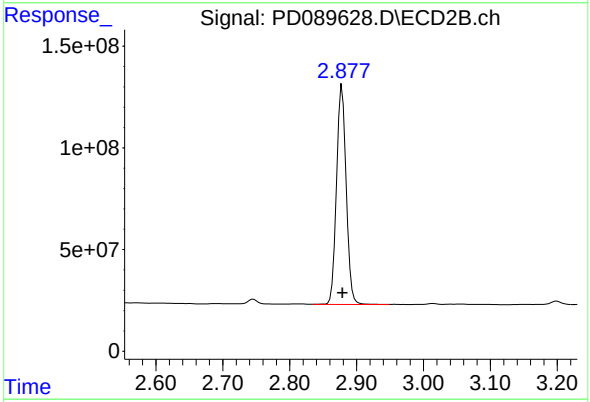




#1 Tetrachloro-m-xylene

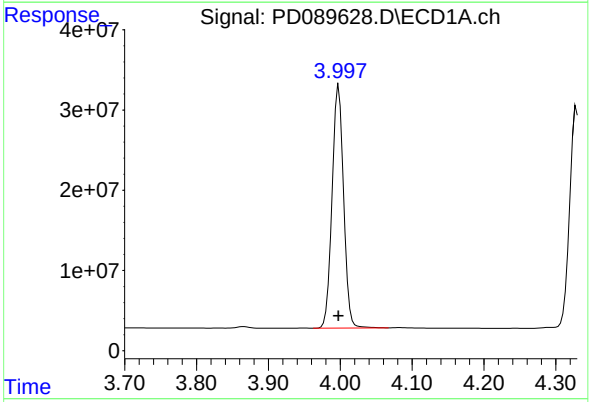
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 162233829
Conc: 56.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



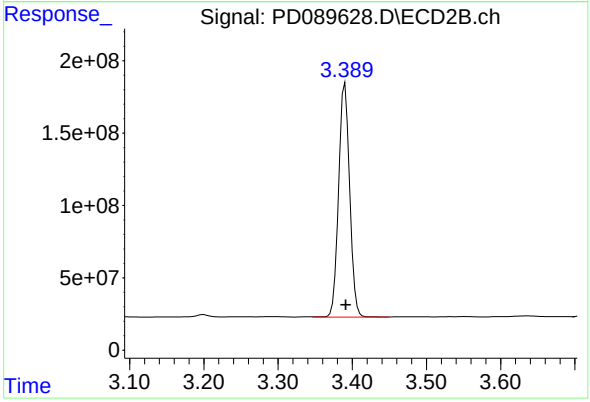
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 1082422320
Conc: 55.32 ng/ml



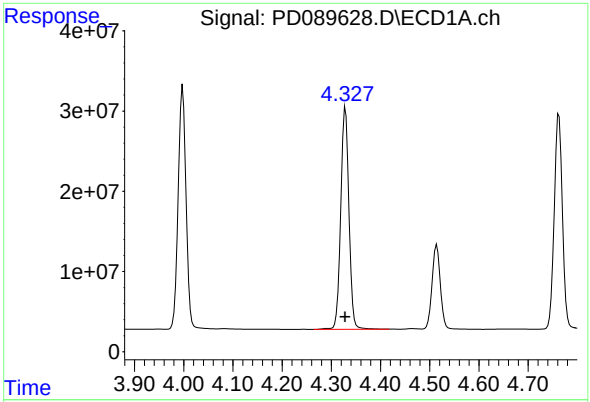
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 336293626
Conc: 58.90 ng/ml



#2 alpha-BHC

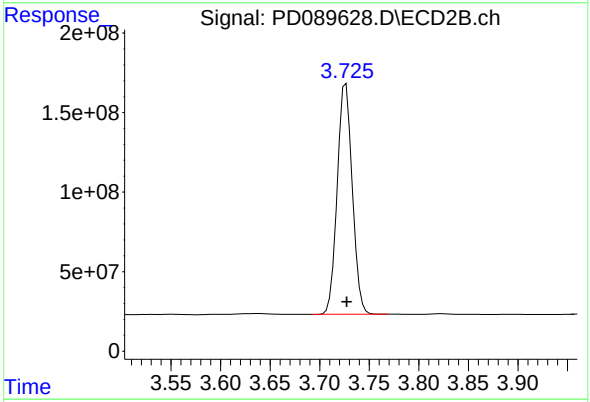
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1674843841
Conc: 55.74 ng/ml



#3 gamma-BHC (Lindane)

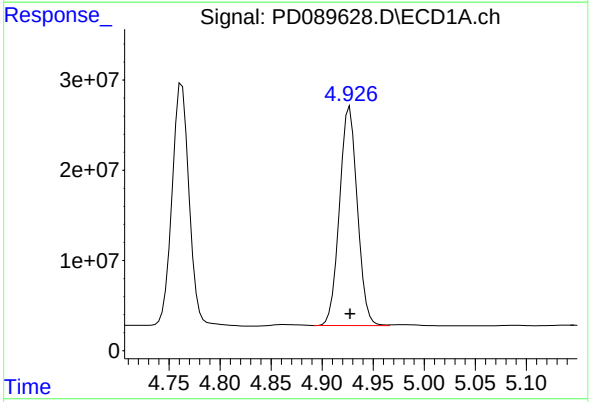
R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 320675055
Conc: 58.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



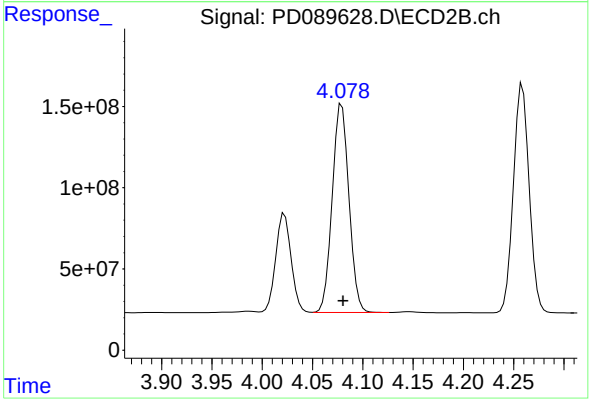
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1532966557
Conc: 55.22 ng/ml



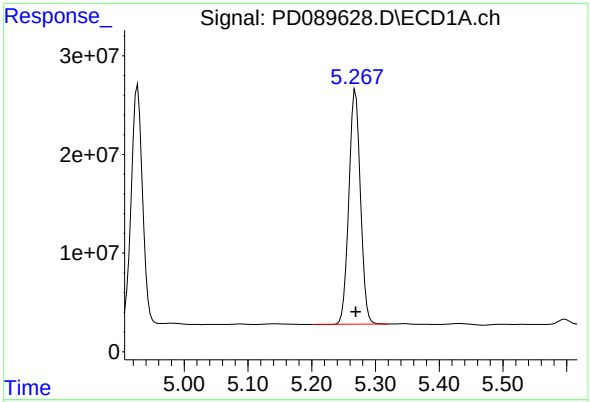
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 295636189
Conc: 54.21 ng/ml



#4 Heptachlor

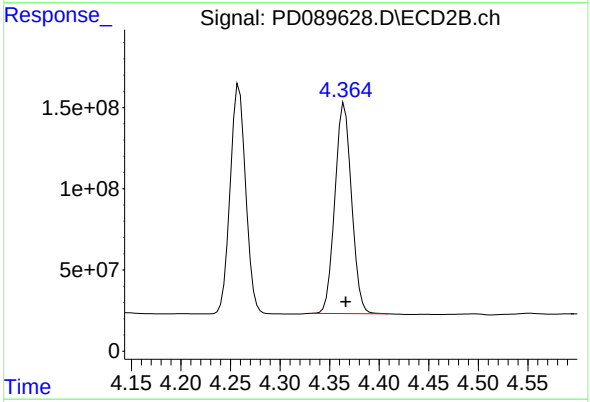
R.T.: 4.079 min
Delta R.T.: -0.001 min
Response: 1484203169
Conc: 52.97 ng/ml



#5 Aldrin

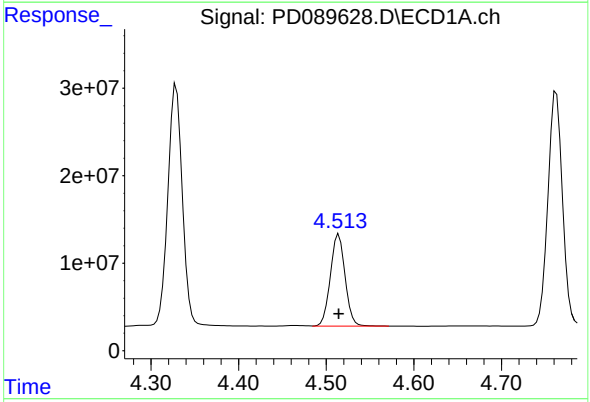
R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 300439893
Conc: 57.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



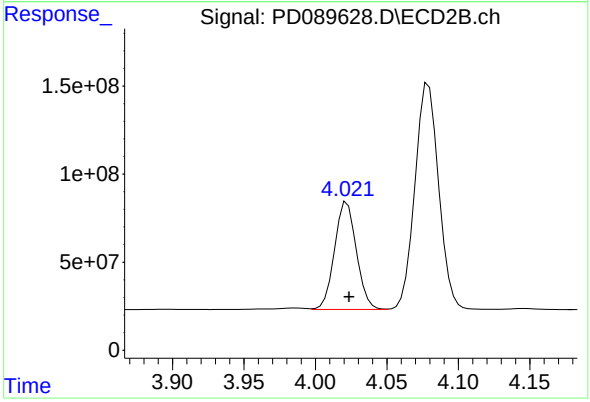
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: -0.001 min
Response: 1512137060
Conc: 55.21 ng/ml



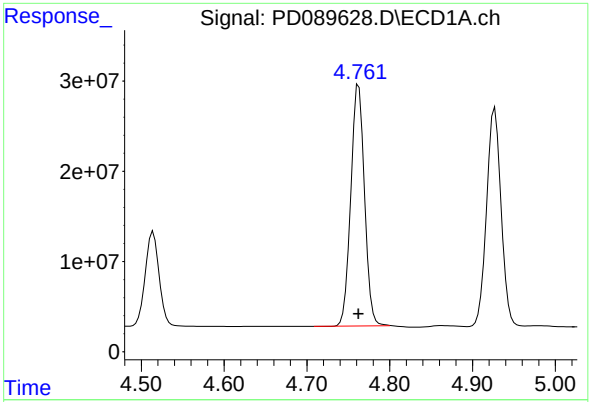
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 122404096
Conc: 56.77 ng/ml



#6 beta-BHC

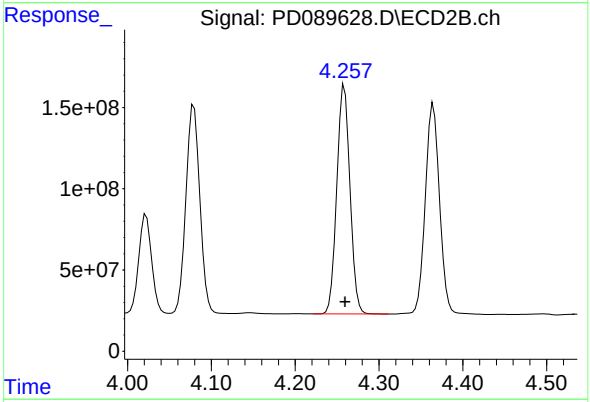
R.T.: 4.022 min
Delta R.T.: -0.001 min
Response: 650218839
Conc: 54.63 ng/ml



#7 delta-BHC

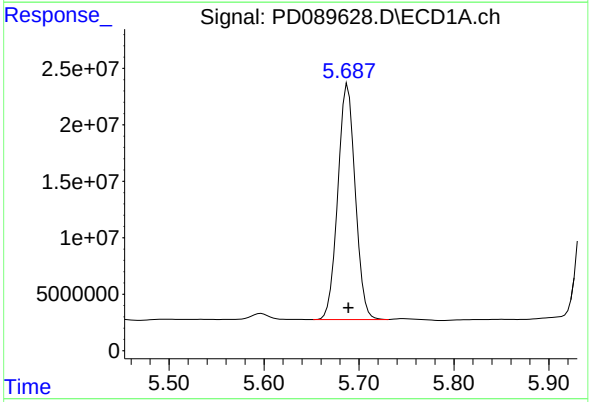
R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 307874079
Conc: 58.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



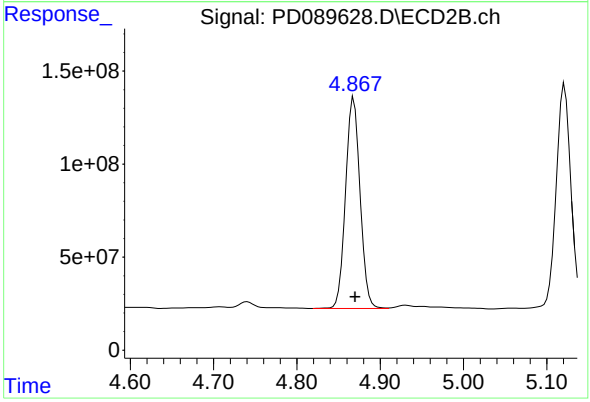
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 1539766644
Conc: 55.20 ng/ml



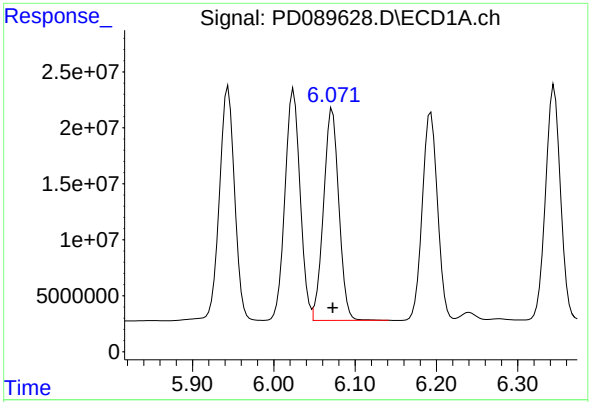
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 266060992
Conc: 56.33 ng/ml



#8 Heptachlor epoxide

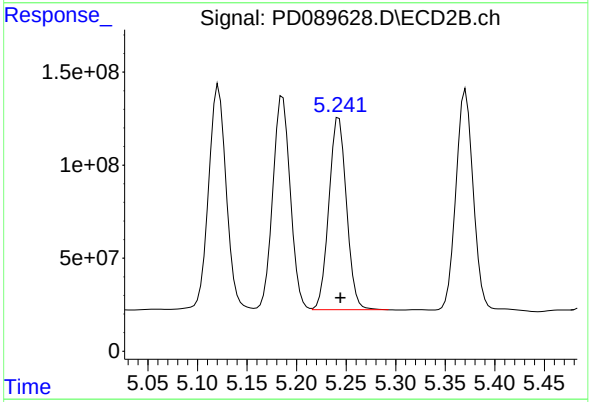
R.T.: 4.868 min
Delta R.T.: -0.001 min
Response: 1368588680
Conc: 55.05 ng/ml



#9 Endosulfan I

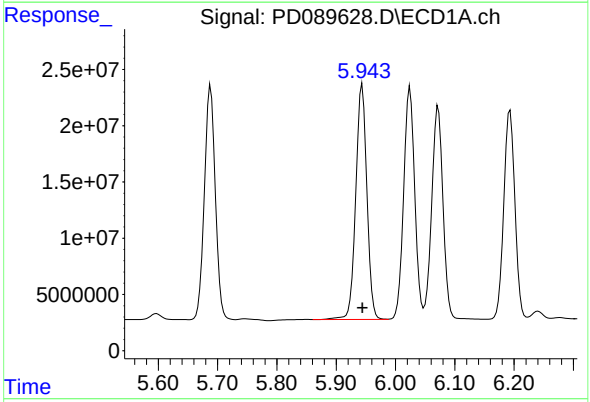
R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 249736223
Conc: 56.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



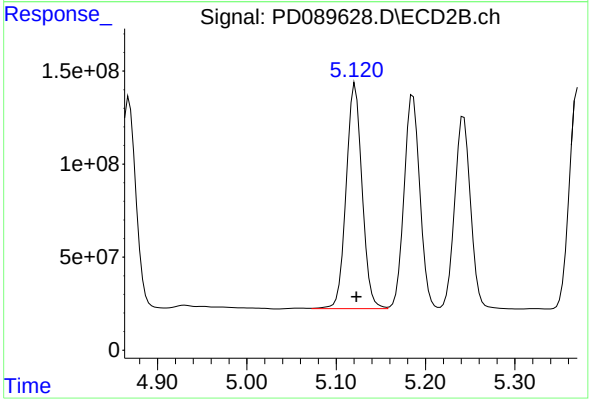
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: -0.001 min
Response: 1278018035
Conc: 53.82 ng/ml



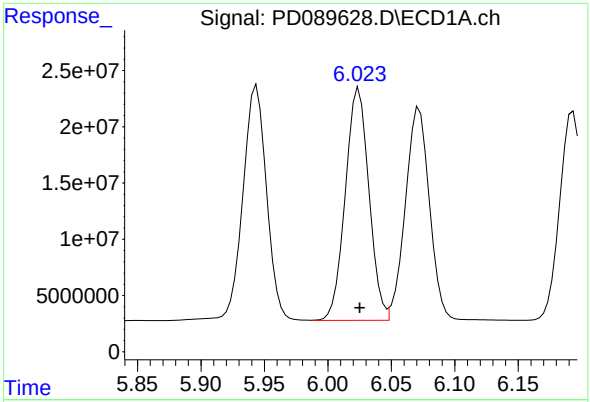
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 271516227
Conc: 57.27 ng/ml



#10 gamma-Chlordane

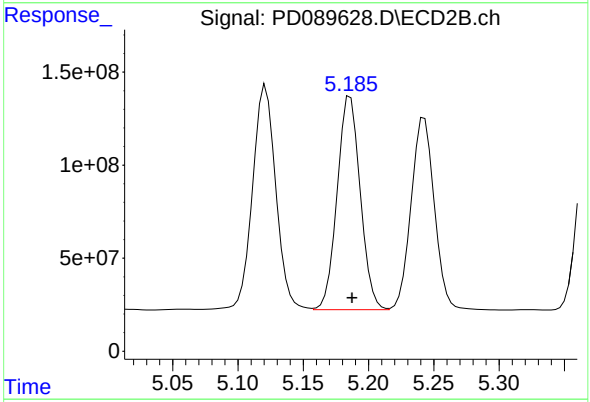
R.T.: 5.121 min
Delta R.T.: -0.002 min
Response: 1494535416
Conc: 55.86 ng/ml



#11 alpha-Chlordane

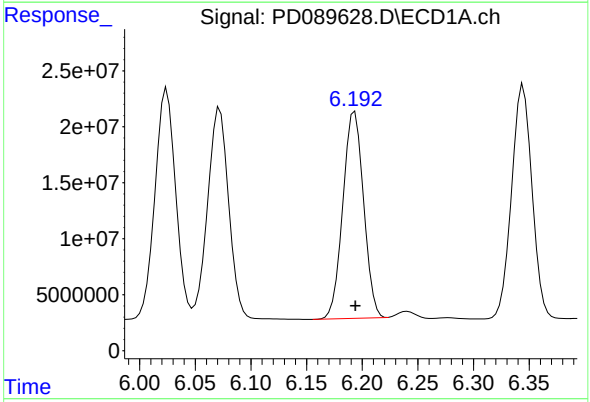
R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 267365322
Conc: 56.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



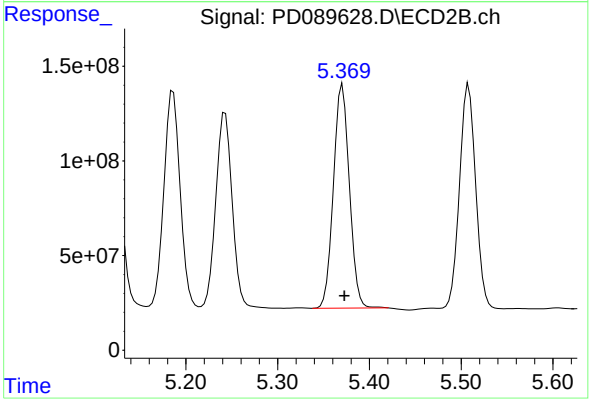
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: -0.001 min
Response: 1411601272
Conc: 54.73 ng/ml



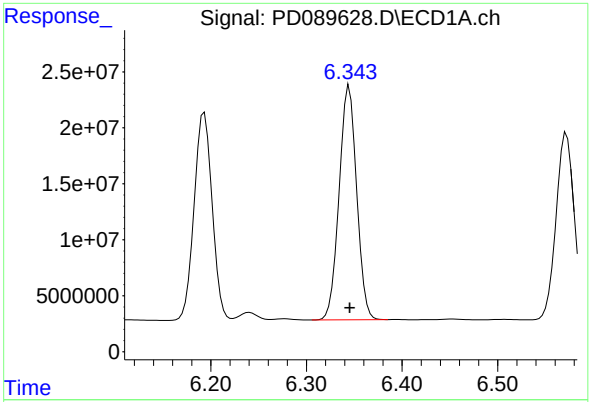
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 239411284
Conc: 55.76 ng/ml



#12 4,4'-DDE

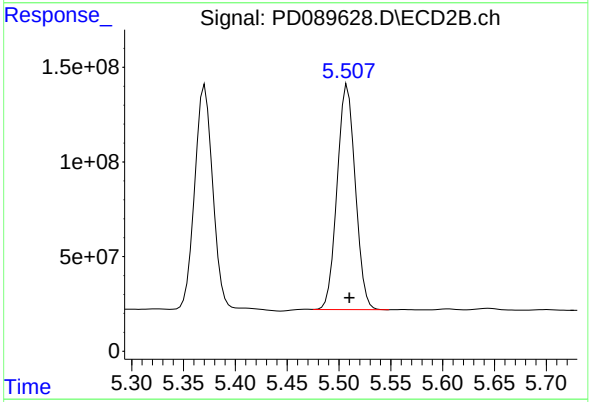
R.T.: 5.371 min
Delta R.T.: -0.002 min
Response: 1428693924
Conc: 54.41 ng/ml



#13 Dieldrin

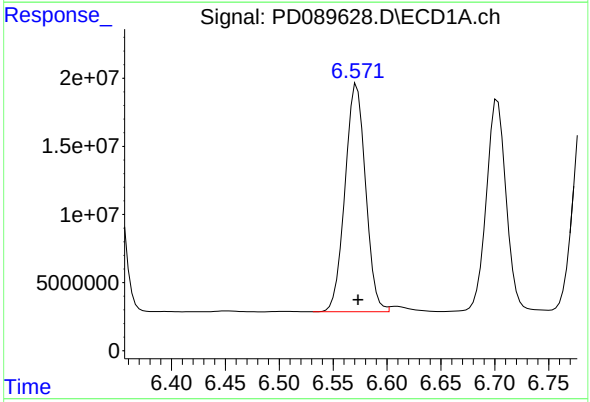
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 267216658
Conc: 56.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



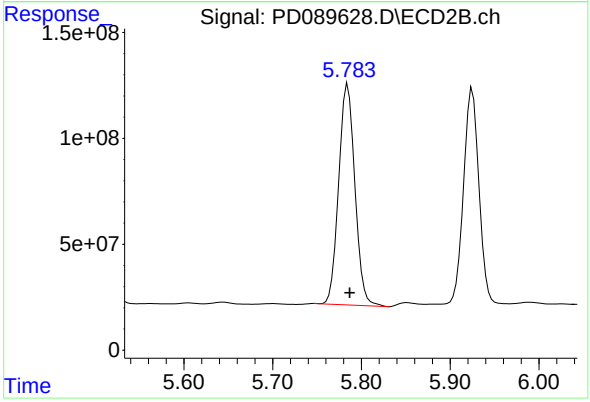
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: -0.002 min
Response: 1452894081
Conc: 54.98 ng/ml



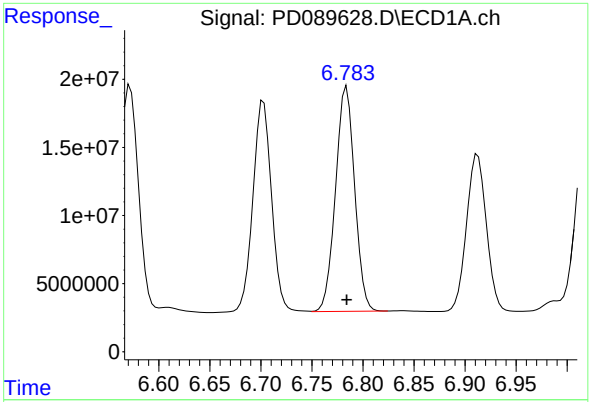
#14 Endrin

R.T.: 6.572 min
Delta R.T.: -0.001 min
Response: 222145943
Conc: 54.55 ng/ml



#14 Endrin

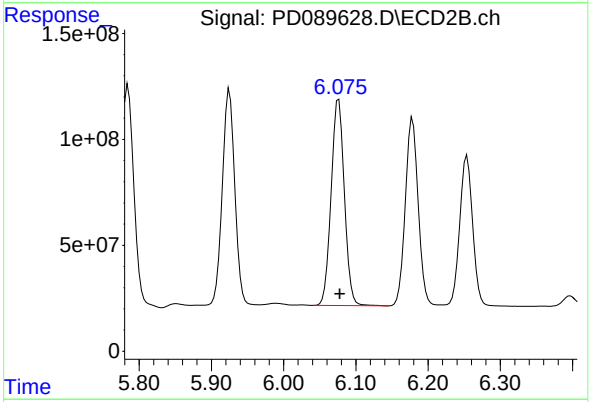
R.T.: 5.785 min
Delta R.T.: -0.002 min
Response: 1323947965
Conc: 54.75 ng/ml



#15 Endosulfan II

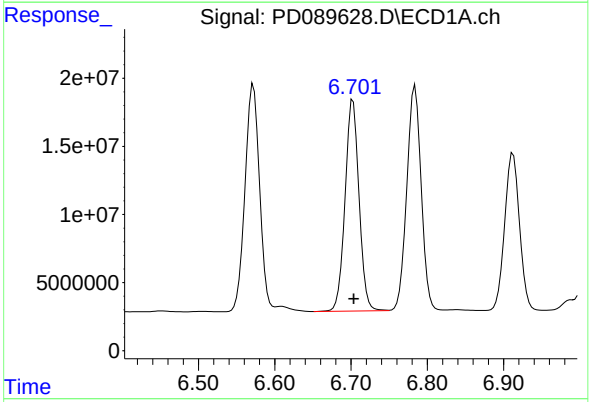
R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 215193563
Conc: 52.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



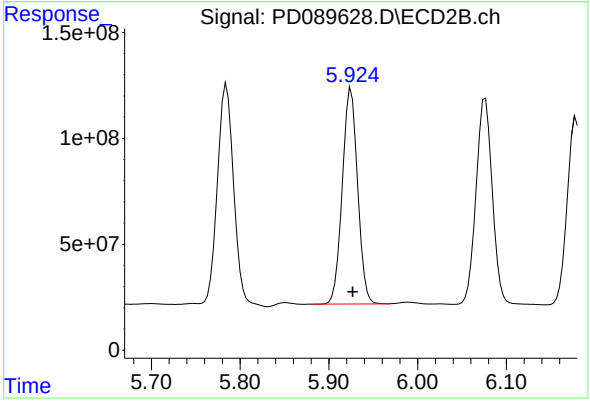
#15 Endosulfan II

R.T.: 6.076 min
Delta R.T.: -0.001 min
Response: 1242981682
Conc: 54.12 ng/ml



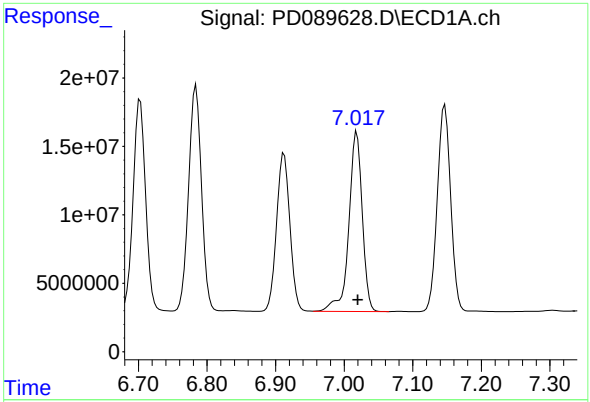
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 198158509
Conc: 58.48 ng/ml



#16 4,4'-DDD

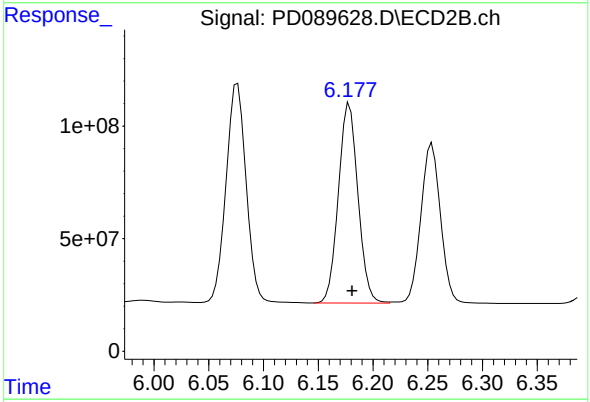
R.T.: 5.925 min
Delta R.T.: -0.002 min
Response: 1221859922
Conc: 55.74 ng/ml



#17 4,4'-DDT

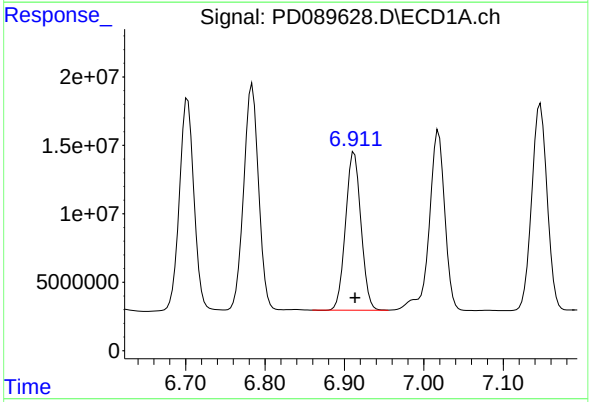
R.T.: 7.018 min
Delta R.T.: -0.001 min
Response: 178754137
Conc: 47.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



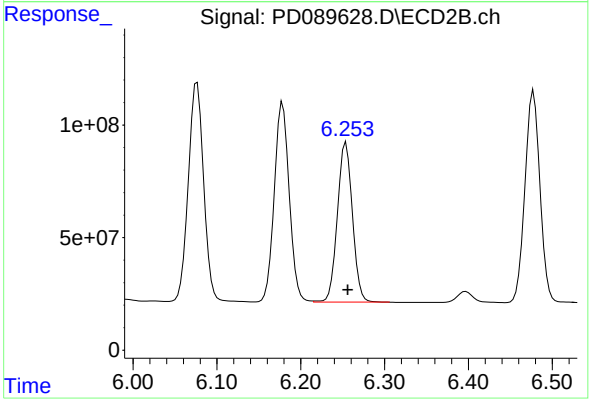
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: -0.002 min
Response: 1102195016
Conc: 47.09 ng/ml



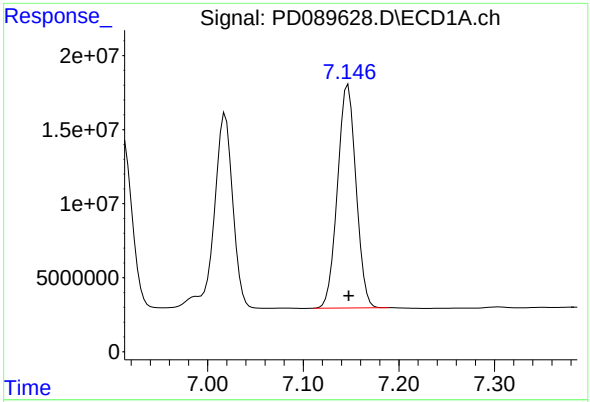
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: -0.001 min
Response: 156142546
Conc: 53.55 ng/ml



#18 Endrin aldehyde

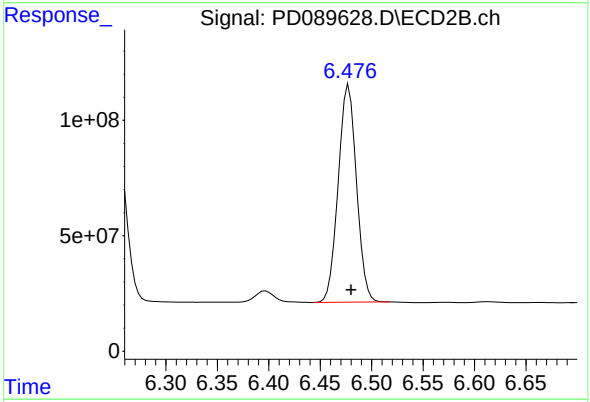
R.T.: 6.254 min
Delta R.T.: -0.002 min
Response: 885456185
Conc: 53.35 ng/ml



#19 Endosulfan Sulfate

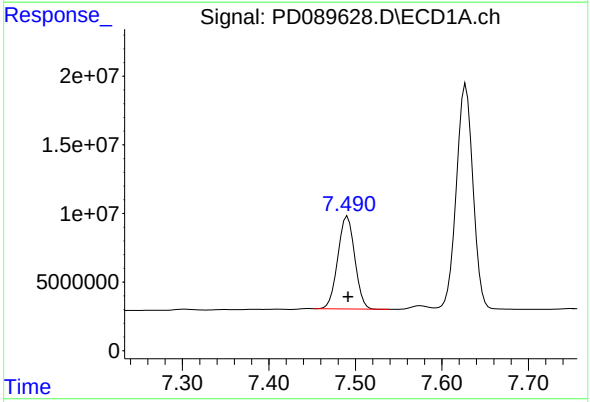
R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 203544983
Conc: 53.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



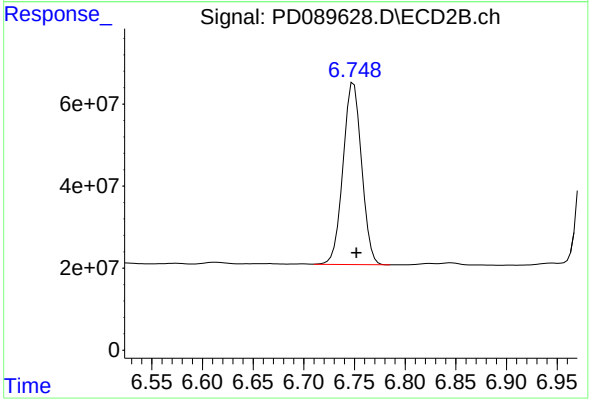
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: -0.002 min
Response: 1163607667
Conc: 52.42 ng/ml



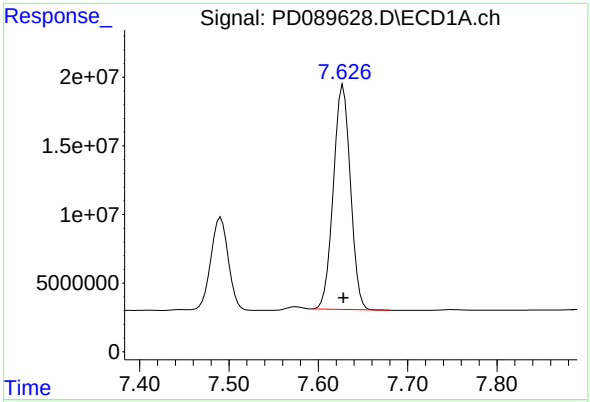
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 91454641
Conc: 45.62 ng/ml



#20 Methoxychlor

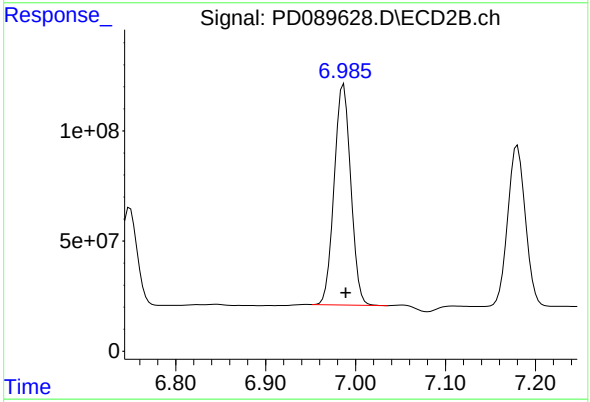
R.T.: 6.749 min
Delta R.T.: -0.003 min
Response: 564255272
Conc: 46.28 ng/ml



#21 Endrin ketone

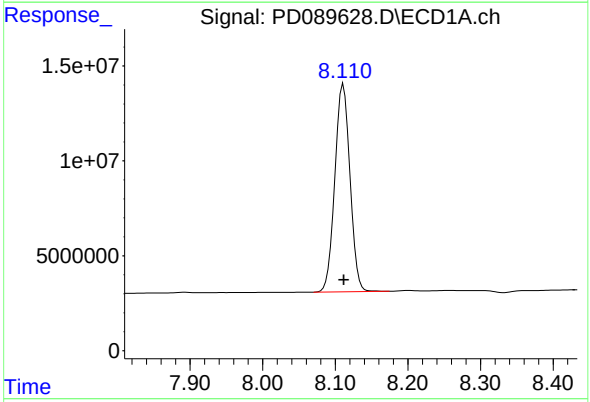
R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 216990521
Conc: 53.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



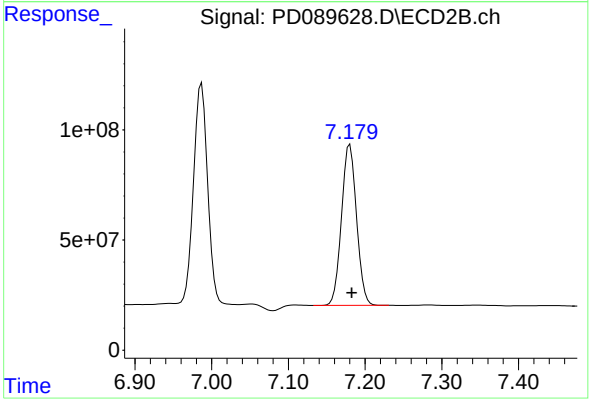
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: -0.002 min
Response: 1285863684
Conc: 52.51 ng/ml



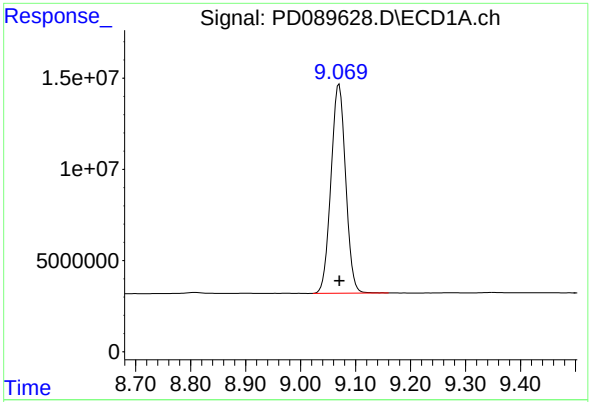
#22 Mirex

R.T.: 8.111 min
Delta R.T.: 0.000 min
Response: 158638875
Conc: 51.57 ng/ml



#22 Mirex

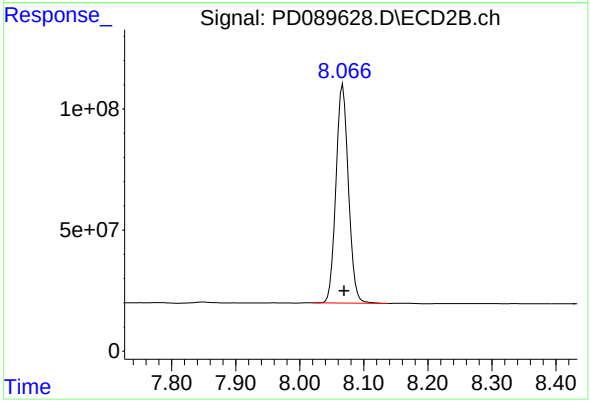
R.T.: 7.180 min
Delta R.T.: -0.003 min
Response: 998899110
Conc: 51.68 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 212364802
Conc: 51.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.002 min
Response: 1218468763
Conc: 49.60 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.:** Q2639

Continuing Calib Date: 07/24/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 19:06 **Initial Calibration Time(s):** 12:49 13:44

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.51	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.35	6.25	6.45	0.01
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

Continuing Calib Date: 07/24/2025 **Initial Calibration Date(s):** 07/21/2025 07/21/2025

Continuing Calib Time: 19:06 **Initial Calibration Time(s):** 12:49 13:44

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.01
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/24/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089633.D **Time Analyzed:** 19:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.702	6.603	6.803	57.140	50.000	14.3
4,4'-DDE	6.193	6.094	6.294	53.540	50.000	7.1
4,4'-DDT	7.018	6.919	7.119	44.960	50.000	-10.1
Aldrin	5.268	5.169	5.369	55.780	50.000	11.6
alpha-BHC	3.997	3.898	4.098	57.490	50.000	15.0
alpha-Chlordane	6.024	5.924	6.124	54.030	50.000	8.1
beta-BHC	4.513	4.414	4.614	55.030	50.000	10.1
Decachlorobiphenyl	9.069	8.971	9.171	49.120	50.000	-1.8
delta-BHC	4.762	4.663	4.863	56.660	50.000	13.3
Dieldrin	6.344	6.245	6.445	54.460	50.000	8.9
Endosulfan I	6.071	5.972	6.172	54.100	50.000	8.2
Endosulfan II	6.783	6.684	6.884	50.520	50.000	1.0
Endosulfan sulfate	7.147	7.047	7.247	51.450	50.000	2.9
Endrin	6.571	6.472	6.672	53.560	50.000	7.1
Endrin aldehyde	6.912	6.813	7.013	51.290	50.000	2.6
Endrin ketone	7.627	7.528	7.728	50.520	50.000	1.0
gamma-BHC (Lindane)	4.328	4.228	4.428	56.330	50.000	12.7
gamma-Chlordane	5.943	5.844	6.044	54.970	50.000	9.9
Heptachlor	4.927	4.827	5.027	52.550	50.000	5.1
Heptachlor epoxide	5.688	5.588	5.788	54.310	50.000	8.6
Methoxychlor	7.490	7.392	7.592	43.460	50.000	-13.1
Tetrachloro-m-xylene	3.548	3.448	3.648	54.780	50.000	9.6

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/24/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089633.D **Time Analyzed:** 19:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.926	5.827	6.027	53.520	50.000	7.0
4,4'-DDE	5.372	5.272	5.472	52.010	50.000	4.0
4,4'-DDT	6.180	6.081	6.281	44.530	50.000	-10.9
Aldrin	4.365	4.266	4.466	53.600	50.000	7.2
alpha-BHC	3.391	3.291	3.491	54.410	50.000	8.8
alpha-Chlordane	5.187	5.087	5.287	52.570	50.000	5.1
beta-BHC	4.023	3.923	4.123	53.200	50.000	6.4
Decachlorobiphenyl	8.067	7.970	8.170	44.430	50.000	-11.1
delta-BHC	4.259	4.160	4.360	53.980	50.000	8.0
Dieldrin	5.509	5.410	5.610	52.900	50.000	5.8
Endosulfan I	5.243	5.144	5.344	51.190	50.000	2.4
Endosulfan II	6.077	5.978	6.178	51.320	50.000	2.6
Endosulfan sulfate	6.479	6.379	6.579	49.790	50.000	-0.4
Endrin	5.786	5.687	5.887	55.160	50.000	10.3
Endrin aldehyde	6.255	6.156	6.356	50.750	50.000	1.5
Endrin ketone	6.987	6.889	7.089	48.370	50.000	-3.3
gamma-BHC (Lindane)	3.727	3.627	3.827	53.920	50.000	7.8
gamma-Chlordane	5.122	5.023	5.223	53.510	50.000	7.0
Heptachlor	4.080	3.980	4.180	51.800	50.000	3.6
Heptachlor epoxide	4.869	4.770	4.970	53.130	50.000	6.3
Methoxychlor	6.750	6.651	6.851	44.320	50.000	-11.4
Tetrachloro-m-xylene	2.879	2.779	2.979	54.210	50.000	8.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072525\
Data File : PD089633.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 19:06
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:35:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.879	157.8E6	1060.7E6	54.775	54.213
28)	SA Decachlor...	9.069	8.067	201.8E6	1091.6E6	49.125	44.430
	Target Compounds						
2)	A alpha-BHC	3.997	3.391	328.3E6	1634.7E6	57.493	54.408
3)	MA gamma-BHC...	4.328	3.727	310.8E6	1496.9E6	56.326	53.919
4)	MA Heptachlor	4.927	4.080	286.6E6	1451.2E6	52.555	51.796
5)	MB Aldrin	5.268	4.365	291.9E6	1467.9E6	55.778	53.600
6)	B beta-BHC	4.513	4.023	118.7E6	633.2E6	55.029	53.196
7)	B delta-BHC	4.762	4.259	299.4E6	1505.9E6	56.657	53.983
8)	B Heptachlo...	5.688	4.869	256.5E6	1321.0E6	54.310	53.134
9)	A Endosulfan I	6.071	5.243	240.5E6	1215.6E6	54.105	51.193
10)	B gamma-Chl...	5.943	5.122	260.6E6	1431.5E6	54.971	53.508
11)	B alpha-Chl...	6.024	5.187	257.5E6	1355.9E6	54.025	52.571
12)	B 4,4'-DDE	6.193	5.372	229.9E6	1365.7E6	53.537	52.014
13)	MA Dieldrin	6.344	5.509	257.1E6	1398.0E6	54.461	52.901
14)	MA Endrin	6.571	5.786	218.1E6	1333.9E6	53.559	55.164
15)	B Endosulfa...	6.783	6.077	205.6E6	1178.6E6	50.521	51.316
16)	A 4,4'-DDD	6.702	5.926	193.6E6	1173.2E6	57.140	53.517
17)	MA 4,4'-DDT	7.018	6.180	169.6E6	1042.3E6	44.958	44.529
18)	B Endrin al...	6.912	6.255	149.5E6	842.3E6	51.289	50.751
19)	B Endosulfa...	7.147	6.479	194.2E6	1105.3E6	51.451	49.791
20)	A Methoxychlor	7.490	6.750	87141301	540.3E6	43.464	44.317
21)	B Endrin ke...	7.627	6.987	203.3E6	1184.5E6	50.516	48.371
22)	Mirex	8.111	7.181	147.3E6	907.8E6	47.872	46.962

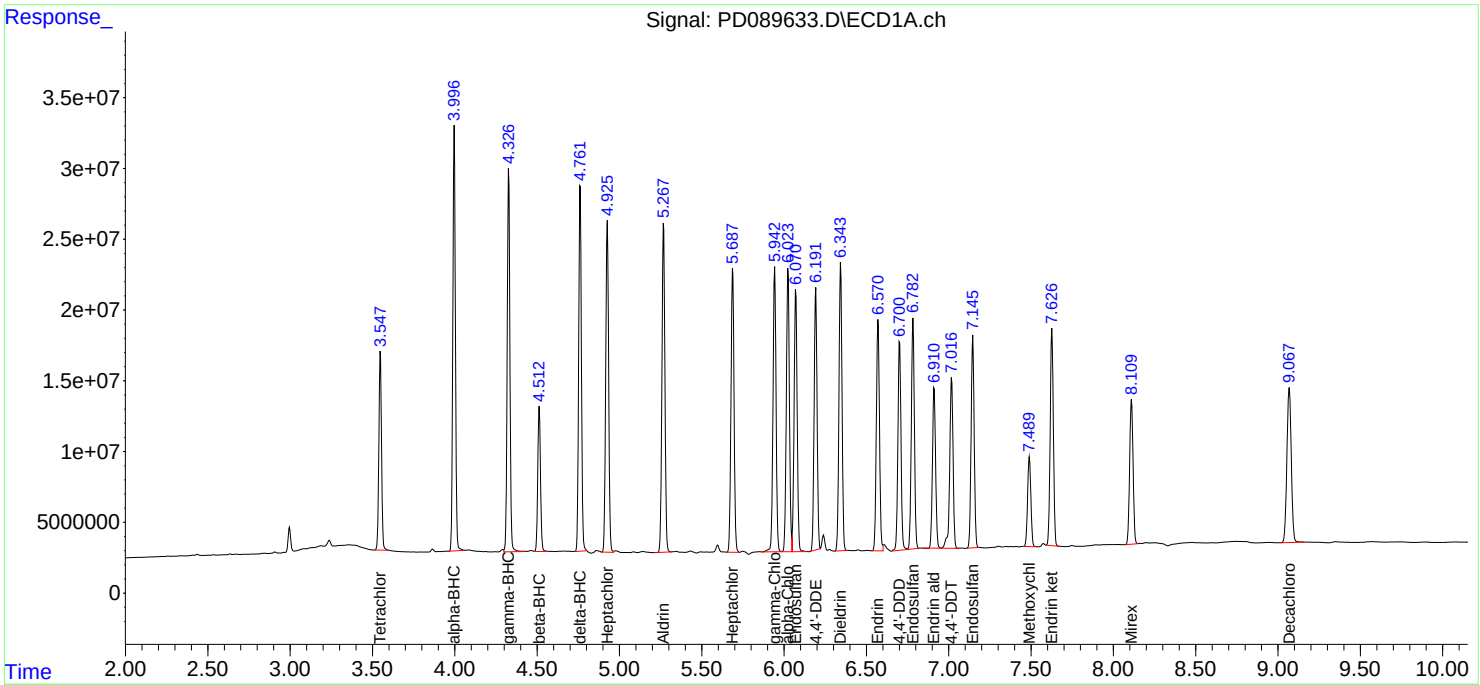
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

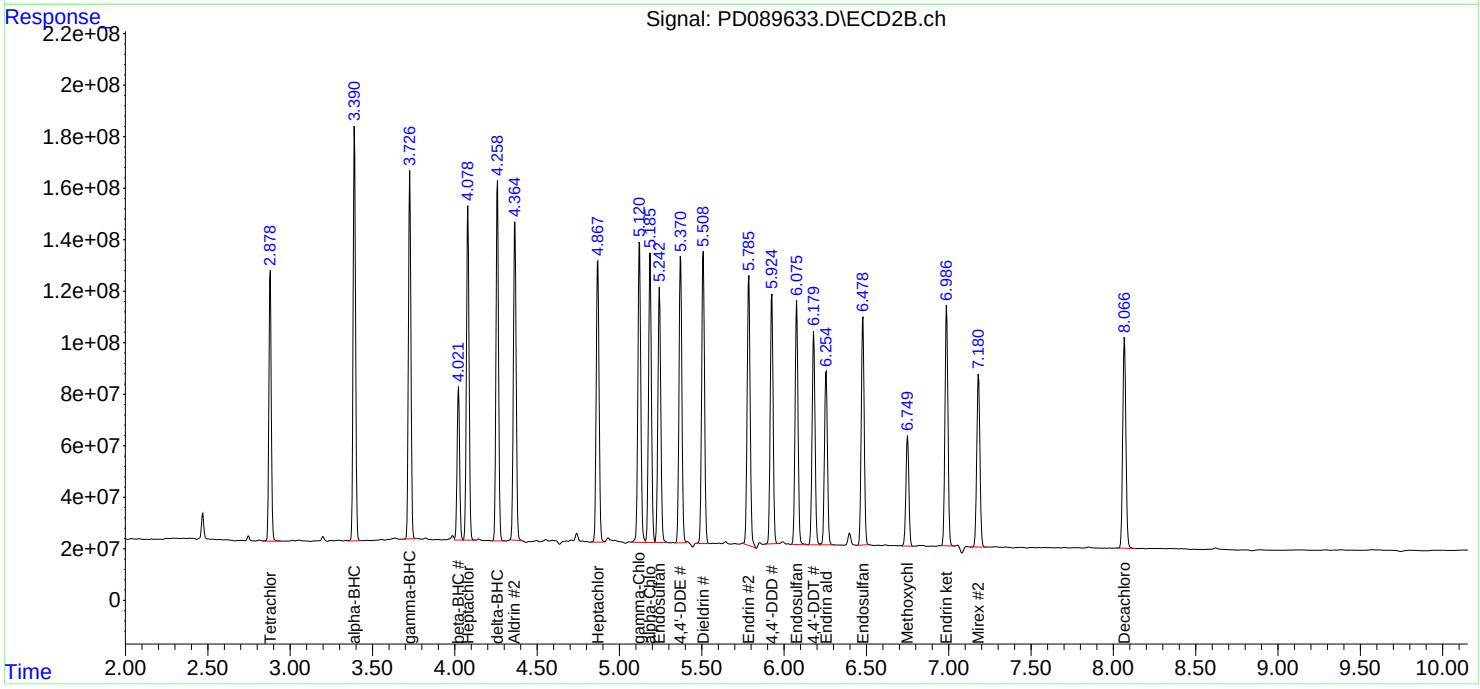
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072525\
Data File : PD089633.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 19:06
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

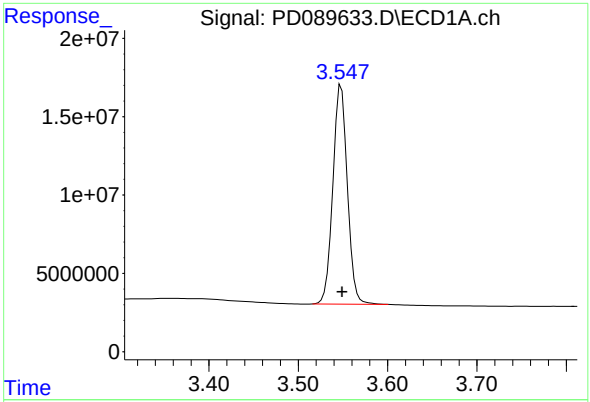
Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:35:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



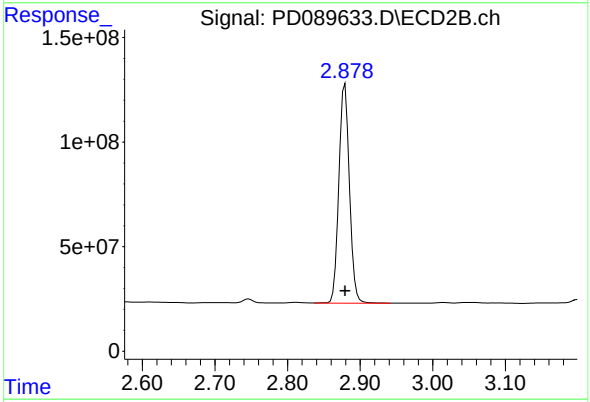




#1 Tetrachloro-m-xylene

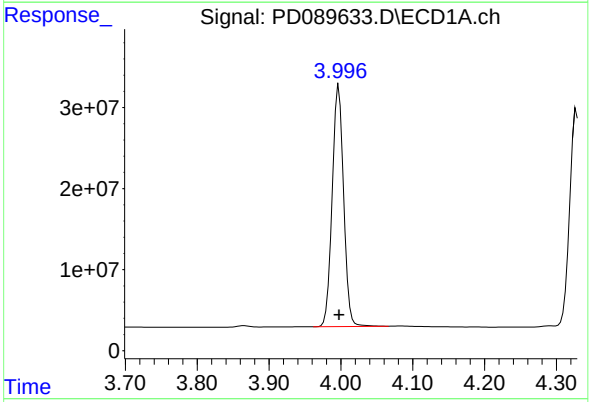
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 157827467
Conc: 54.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



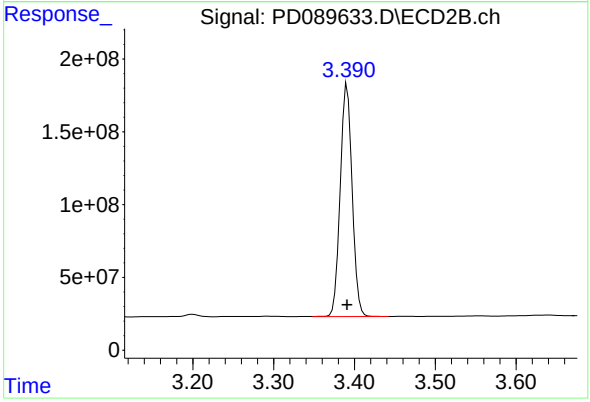
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 1060747185
Conc: 54.21 ng/ml



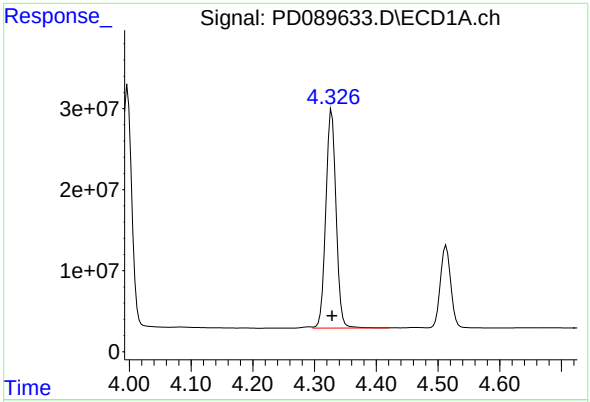
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 328262087
Conc: 57.49 ng/ml



#2 alpha-BHC

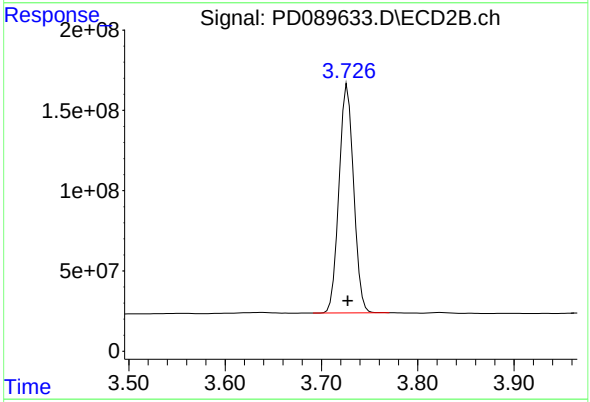
R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 1634660055
Conc: 54.41 ng/ml



#3 gamma-BHC (Lindane)

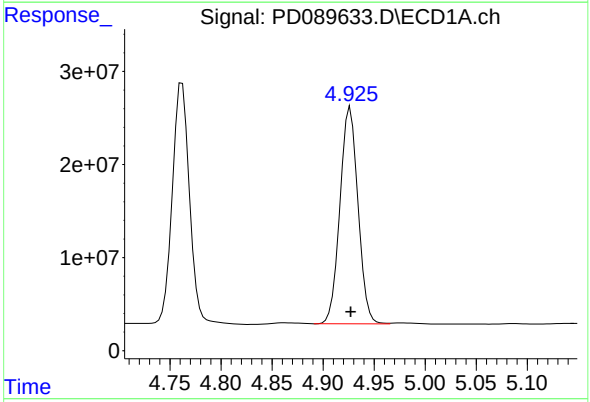
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 310777709
Conc: 56.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



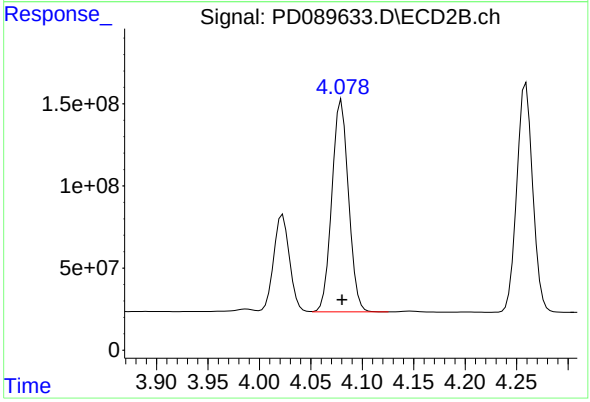
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1496909203
Conc: 53.92 ng/ml



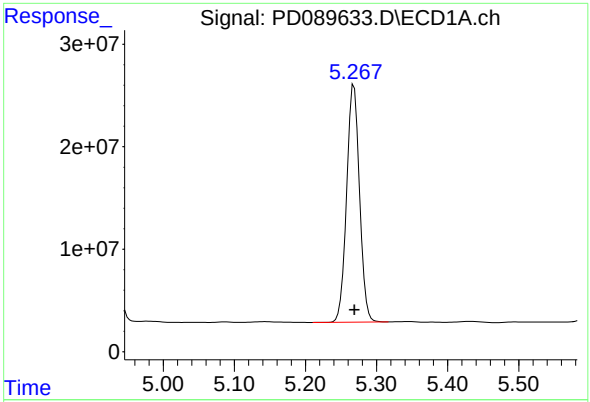
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 286627969
Conc: 52.55 ng/ml



#4 Heptachlor

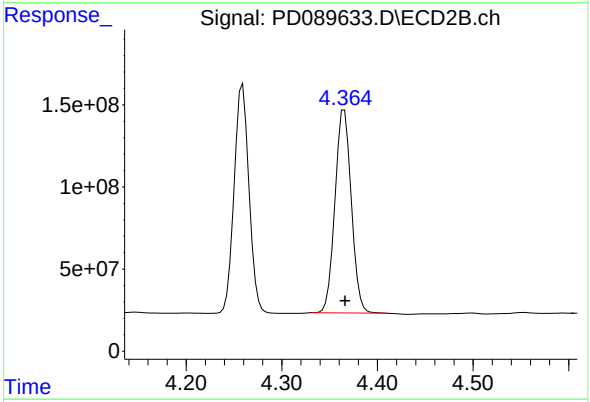
R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 1451231917
Conc: 51.80 ng/ml



#5 Aldrin

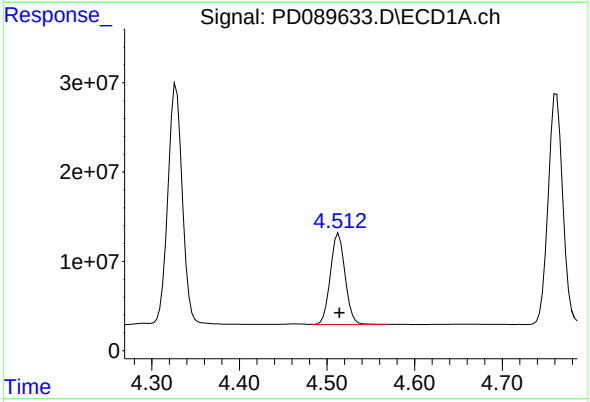
R.T.: 5.268 min
Delta R.T.: 0.000 min
Response: 291883951
Conc: 55.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



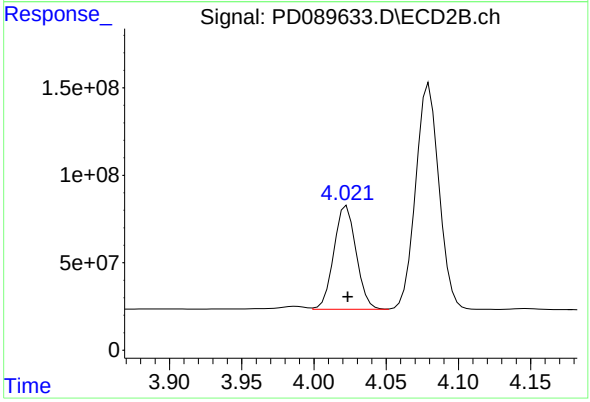
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 1467912180
Conc: 53.60 ng/ml



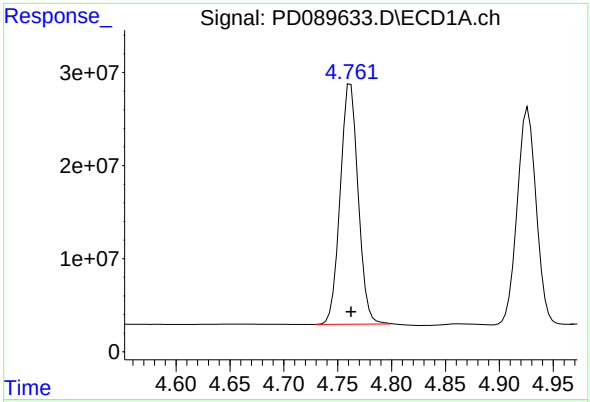
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 118650100
Conc: 55.03 ng/ml



#6 beta-BHC

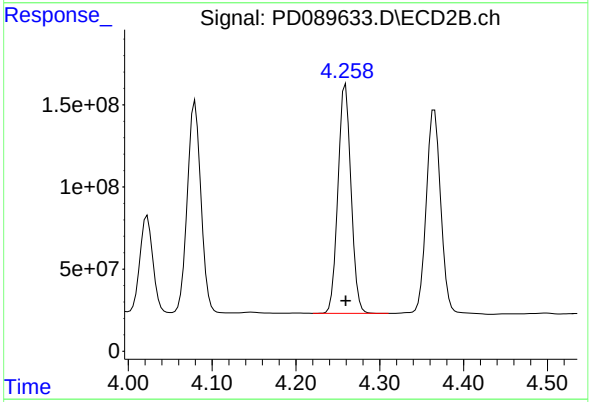
R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 633179416
Conc: 53.20 ng/ml



#7 delta-BHC

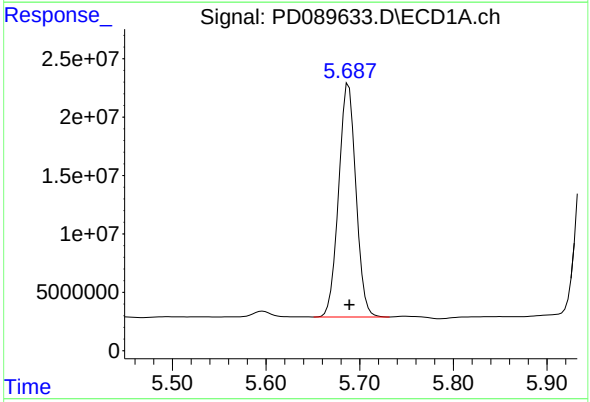
R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 299443086
Conc: 56.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



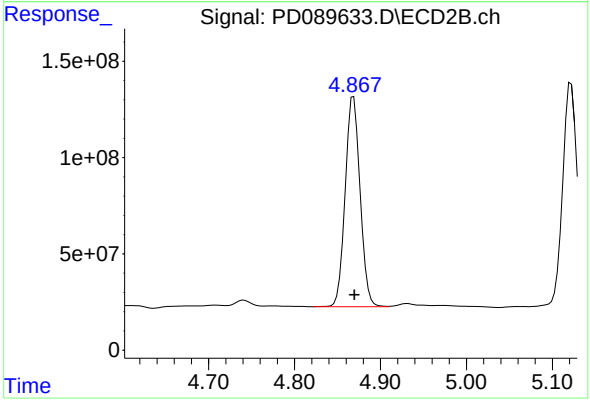
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 1505921606
Conc: 53.98 ng/ml



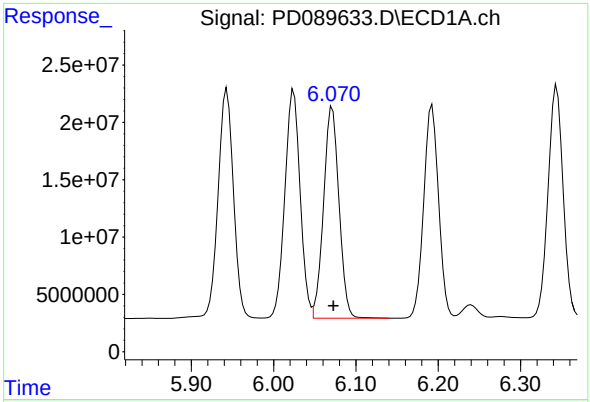
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 256540307
Conc: 54.31 ng/ml



#8 Heptachlor epoxide

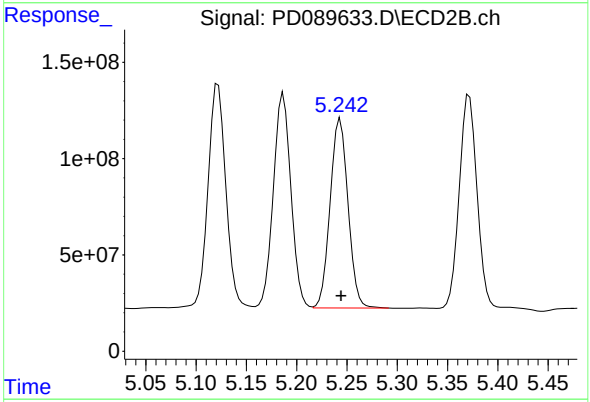
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 1321004508
Conc: 53.13 ng/ml



#9 Endosulfan I

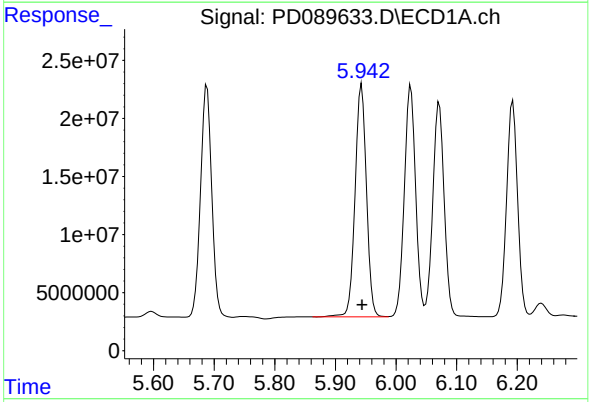
R.T.: 6.071 min
Delta R.T.: -0.001 min
Response: 240531204
Conc: 54.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



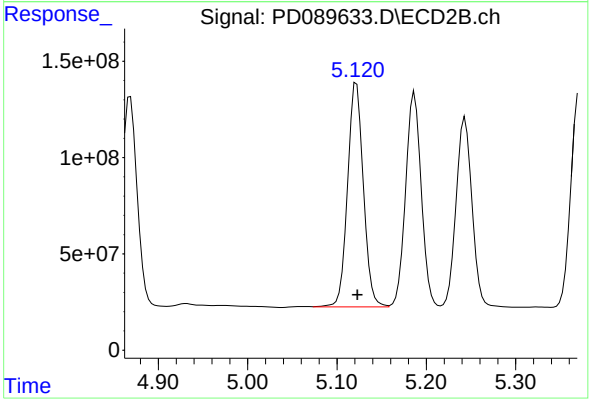
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 1215628228
Conc: 51.19 ng/ml



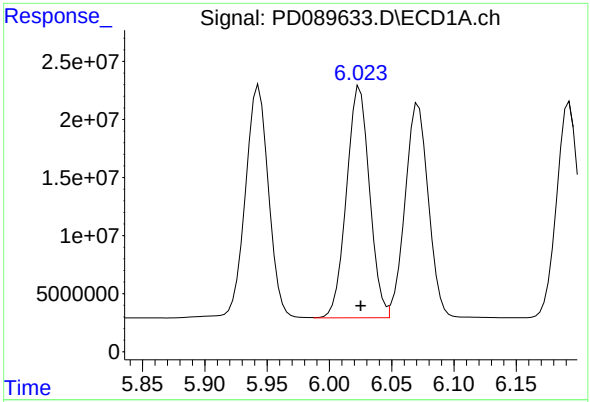
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 260618444
Conc: 54.97 ng/ml



#10 gamma-Chlordane

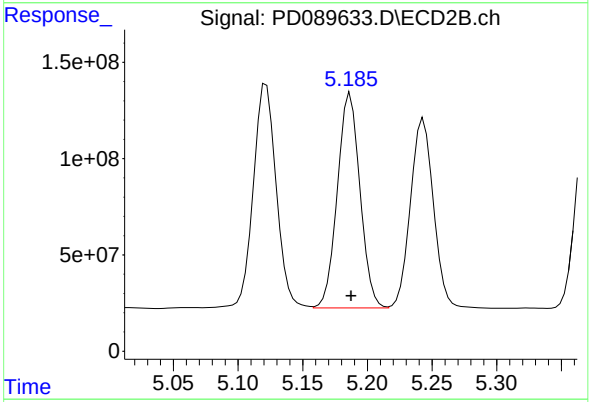
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 1431495260
Conc: 53.51 ng/ml



#11 alpha-Chlordane

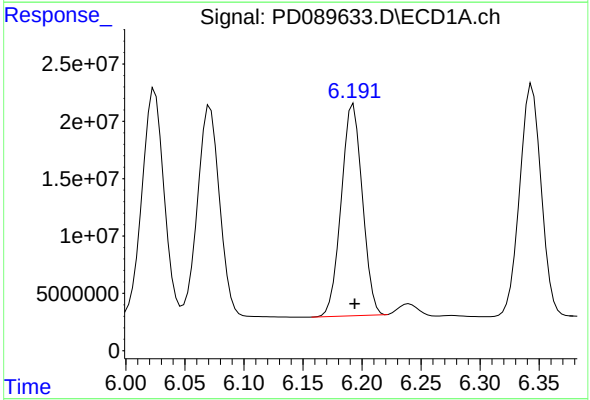
R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 257521224
Conc: 54.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



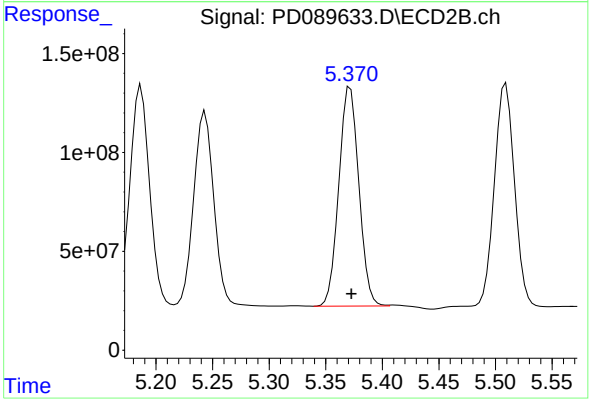
#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 1355932148
Conc: 52.57 ng/ml



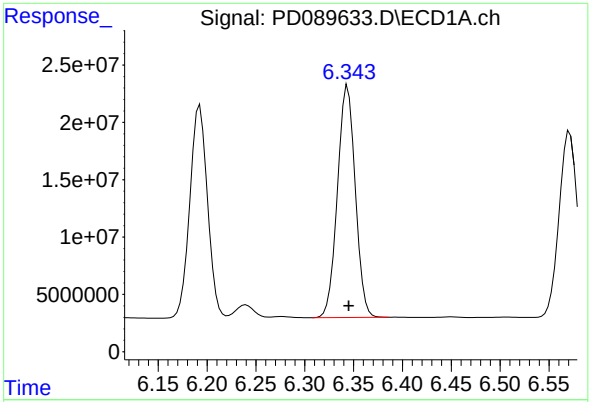
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: -0.001 min
Response: 229877734
Conc: 53.54 ng/ml



#12 4,4'-DDE

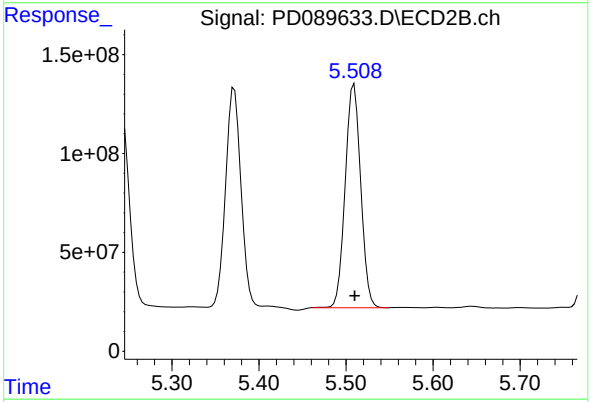
R.T.: 5.372 min
Delta R.T.: -0.001 min
Response: 1365682888
Conc: 52.01 ng/ml



#13 Dieldrin

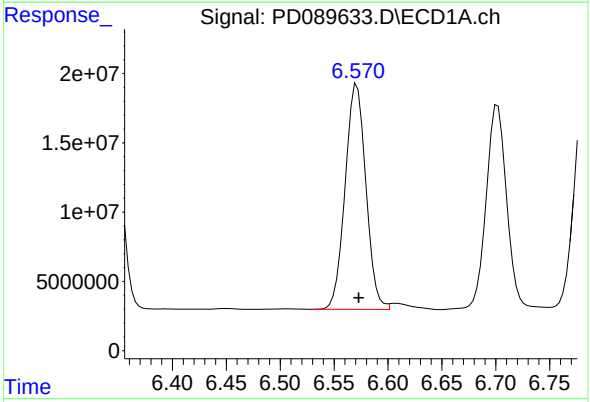
R.T.: 6.344 min
Delta R.T.: -0.001 min
Response: 257091516
Conc: 54.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



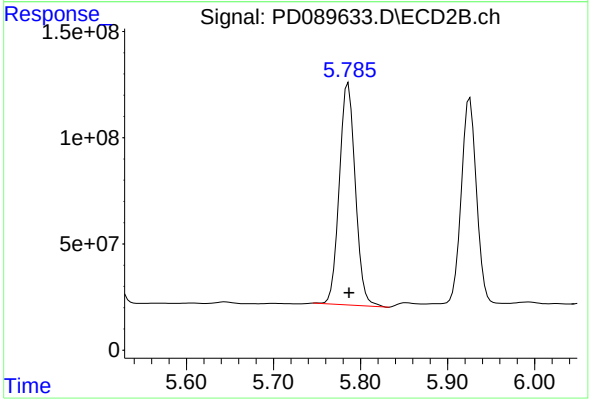
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: 0.000 min
Response: 1397992597
Conc: 52.90 ng/ml



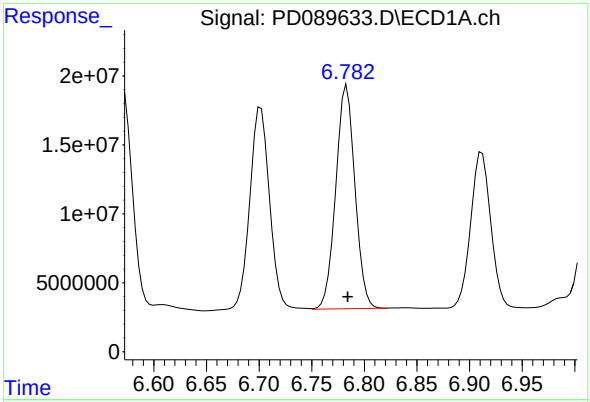
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 218121241
Conc: 53.56 ng/ml



#14 Endrin

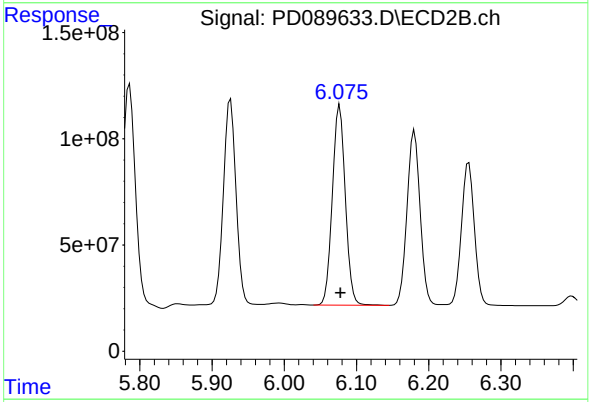
R.T.: 5.786 min
Delta R.T.: 0.000 min
Response: 1333949126
Conc: 55.16 ng/ml



#15 Endosulfan II

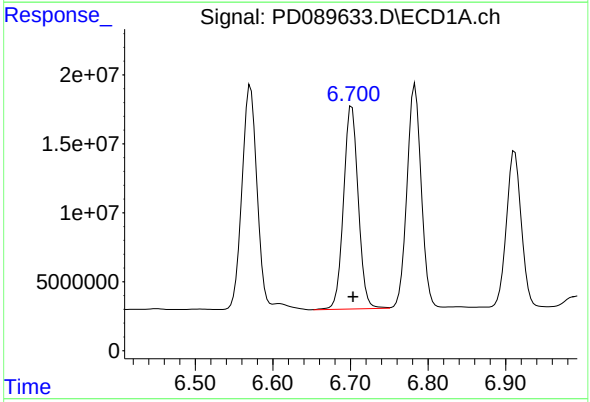
R.T.: 6.783 min
Delta R.T.: 0.000 min
Response: 205565793
Conc: 50.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



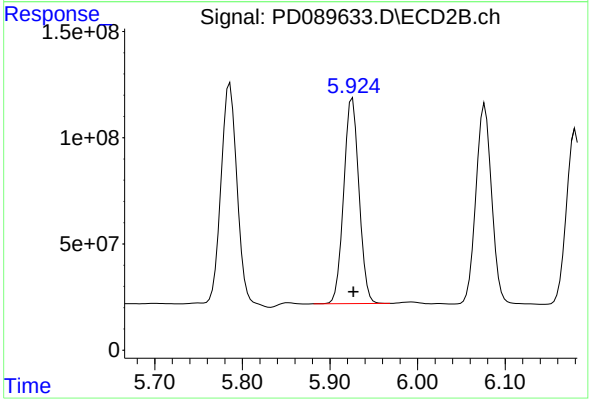
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 1178634612
Conc: 51.32 ng/ml



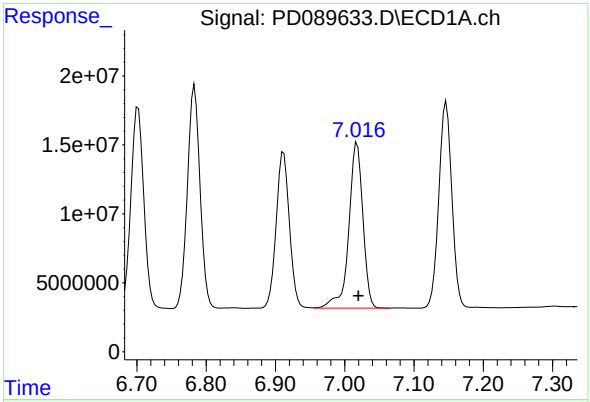
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: -0.002 min
Response: 193632003
Conc: 57.14 ng/ml



#16 4,4'-DDD

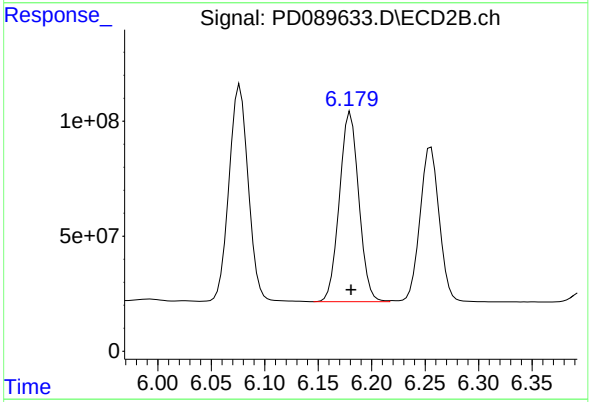
R.T.: 5.926 min
Delta R.T.: -0.001 min
Response: 1173200847
Conc: 53.52 ng/ml



#17 4,4'-DDT

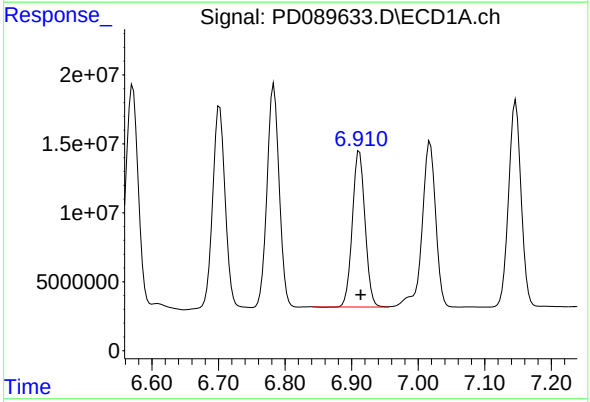
R.T.: 7.018 min
Delta R.T.: -0.002 min
Response: 169624167
Conc: 44.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



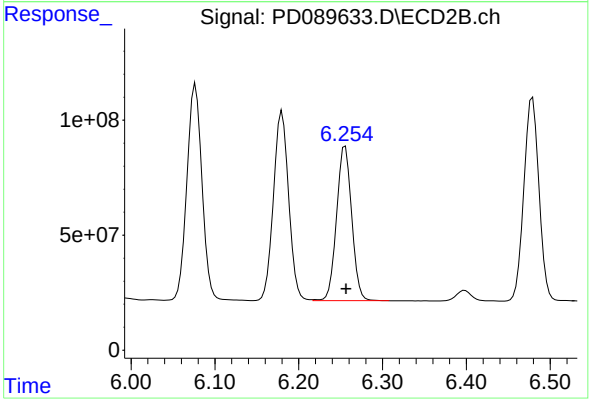
#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: 0.000 min
Response: 1042294271
Conc: 44.53 ng/ml



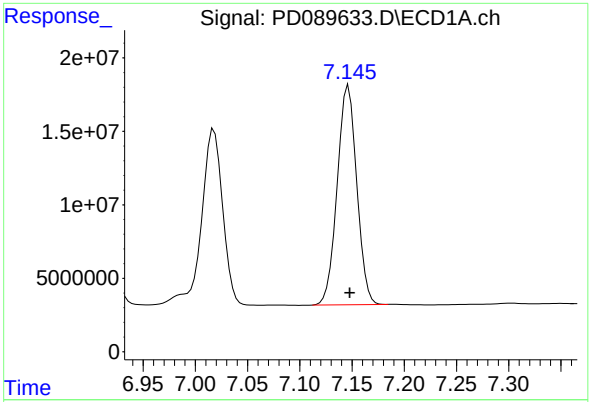
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: -0.002 min
Response: 149539039
Conc: 51.29 ng/ml



#18 Endrin aldehyde

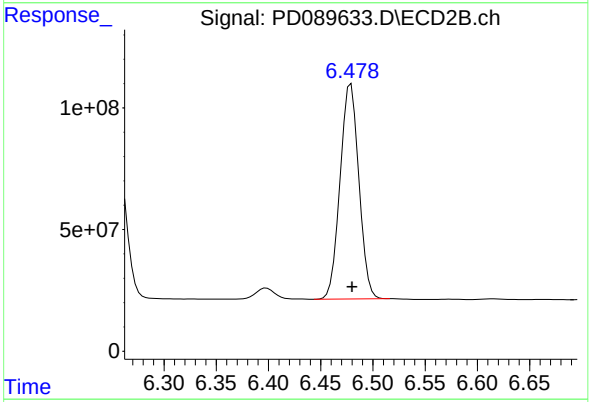
R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 842343171
Conc: 50.75 ng/ml



#19 Endosulfan Sulfate

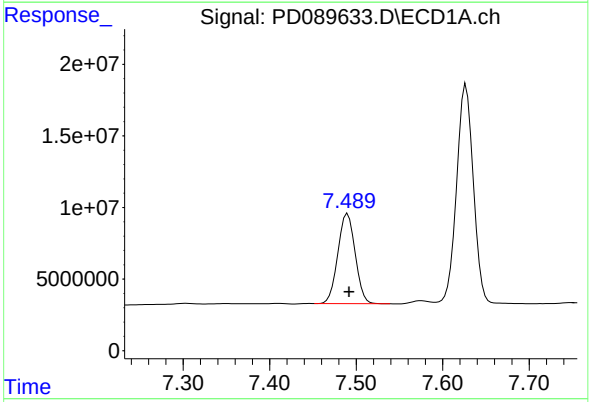
R.T.: 7.147 min
Delta R.T.: -0.001 min
Response: 194185976
Conc: 51.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



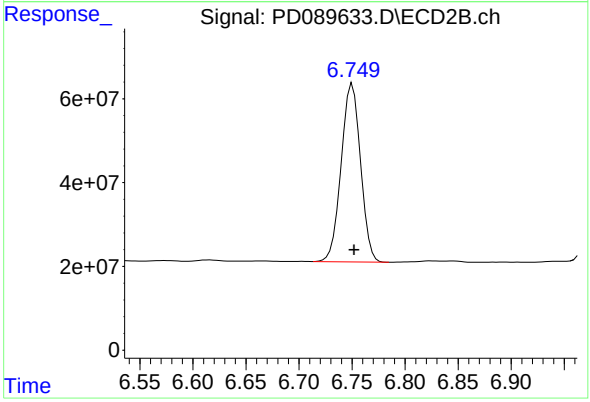
#19 Endosulfan Sulfate

R.T.: 6.479 min
Delta R.T.: -0.001 min
Response: 1105264971
Conc: 49.79 ng/ml



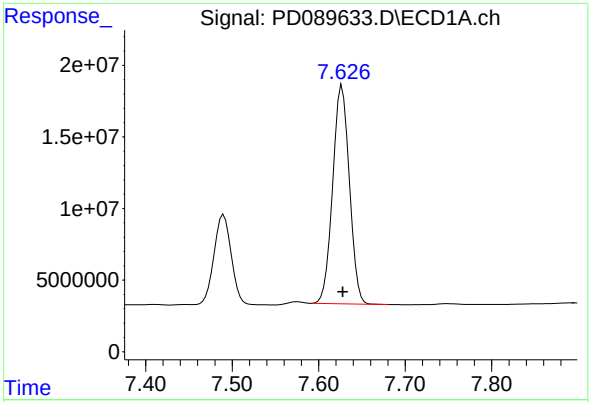
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: -0.002 min
Response: 87141301
Conc: 43.46 ng/ml



#20 Methoxychlor

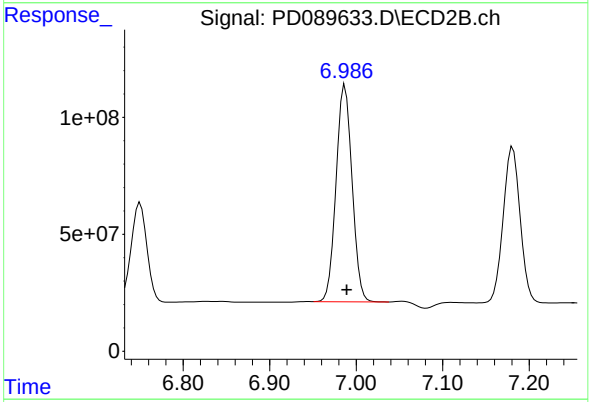
R.T.: 6.750 min
Delta R.T.: -0.002 min
Response: 540312870
Conc: 44.32 ng/ml



#21 Endrin ketone

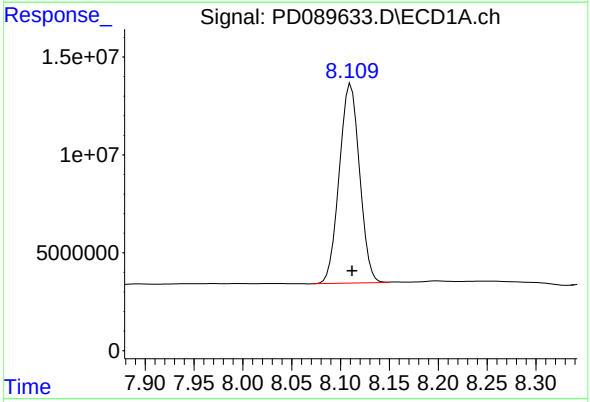
R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 203288443
Conc: 50.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



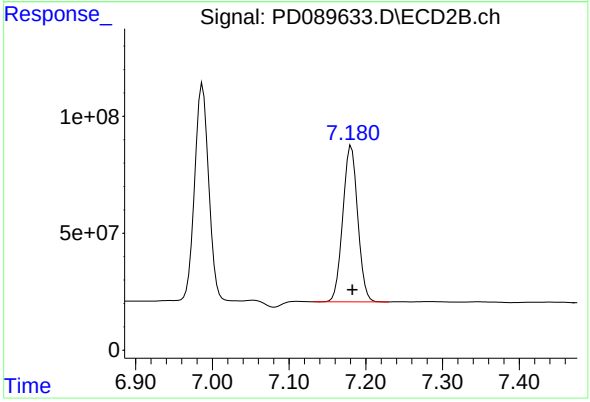
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: -0.002 min
Response: 1184548447
Conc: 48.37 ng/ml



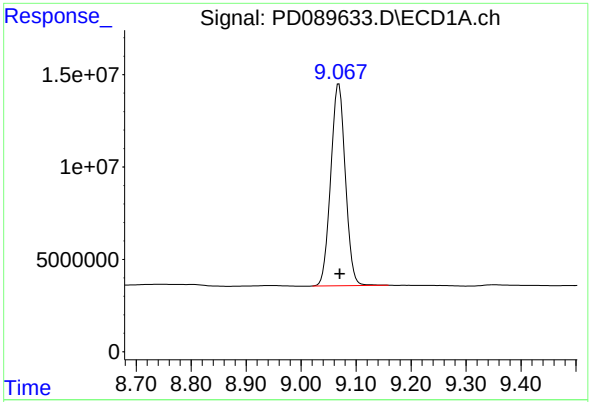
#22 Mirex

R.T.: 8.111 min
Delta R.T.: -0.001 min
Response: 147264313
Conc: 47.87 ng/ml



#22 Mirex

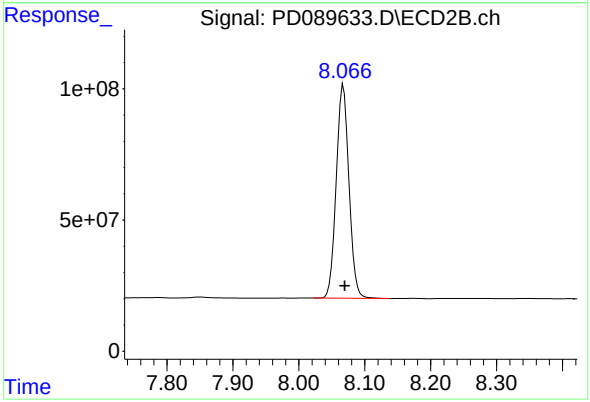
R.T.: 7.181 min
Delta R.T.: -0.002 min
Response: 907761021
Conc: 46.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.002 min
Response: 201756472
Conc: 49.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.002 min
Response: 1091562467
Conc: 44.43 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.:** Q2639

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.:** Q2639

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

Alliance TECHNICAL GROUP

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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

Client Sample No.: CCAL05 **Date Analyzed:** 07/21/2025

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.:** Q2639

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

Client Sample No.: CCAL05 **Date Analyzed:** 07/21/2025

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.

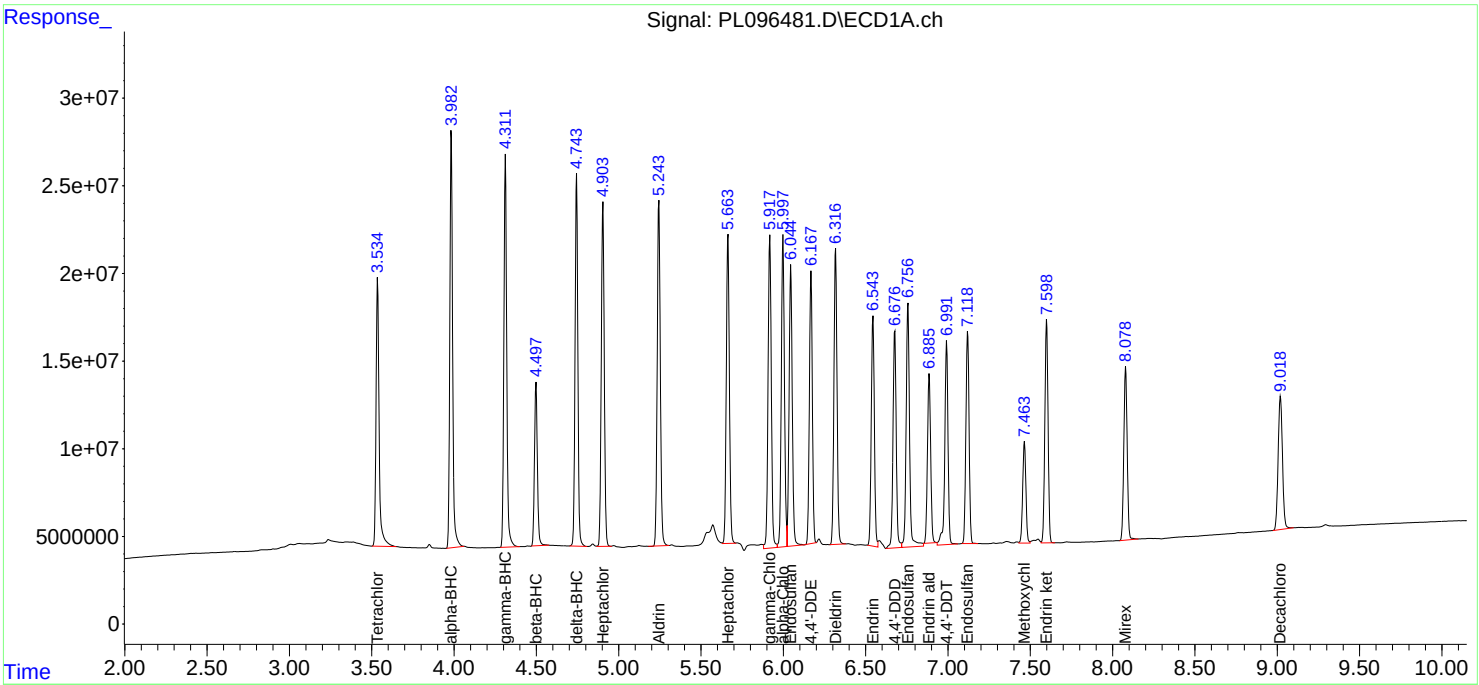
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096481.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:44
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

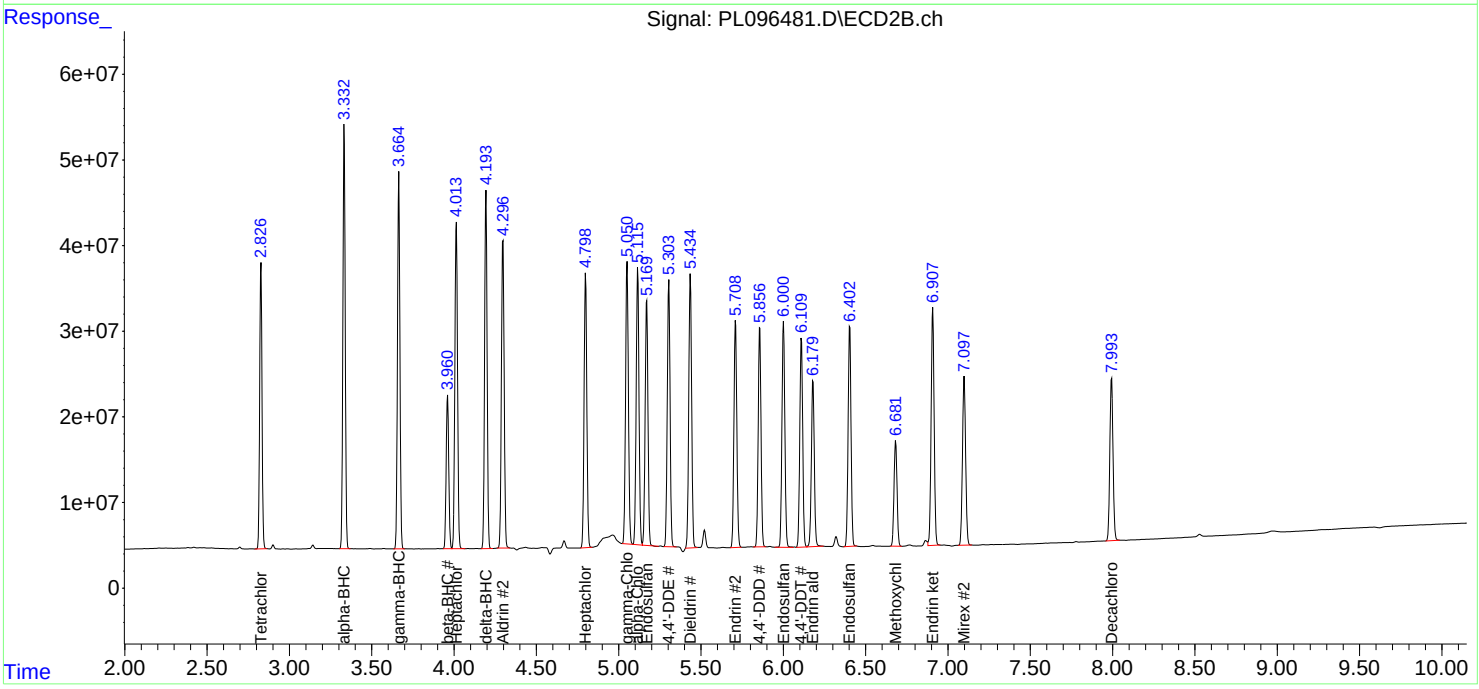
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

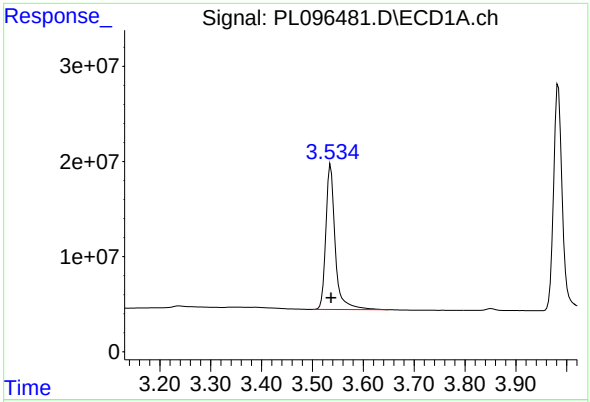
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

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







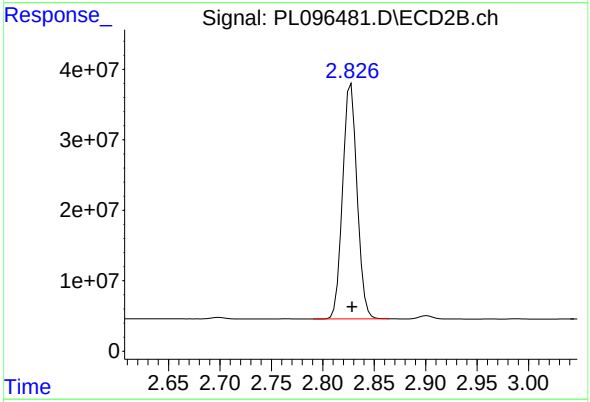
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.001 min
Response: 195513760
Conc: 53.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

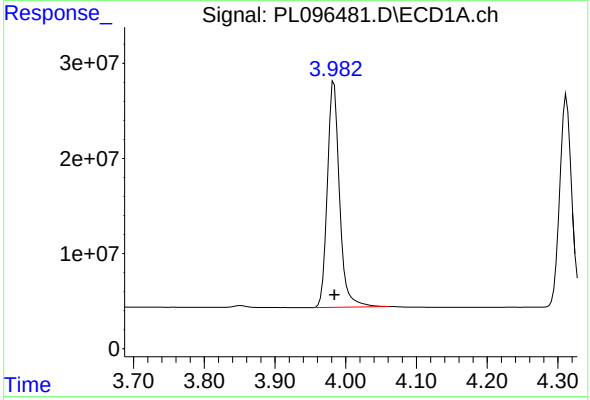
Manual Integrations APPROVED

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



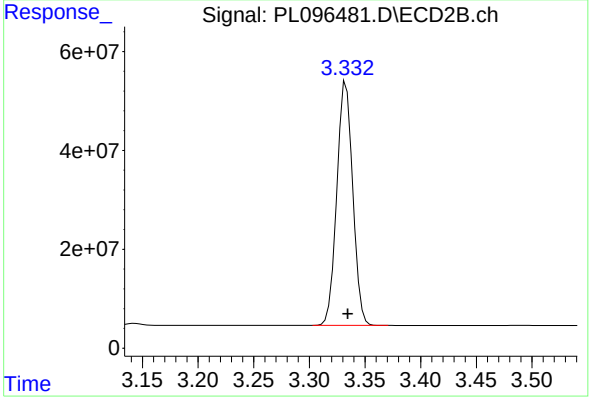
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 327412617
Conc: 56.73 ng/ml



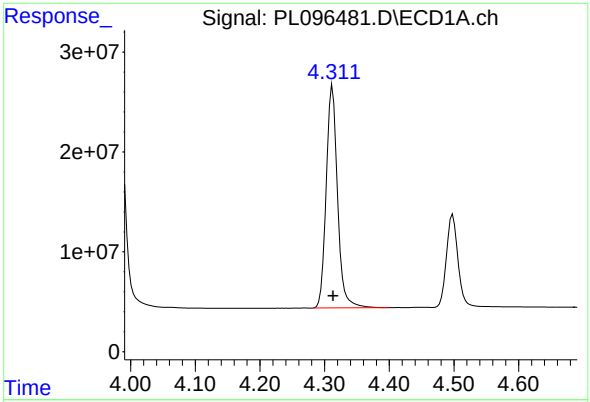
#2 alpha-BHC

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



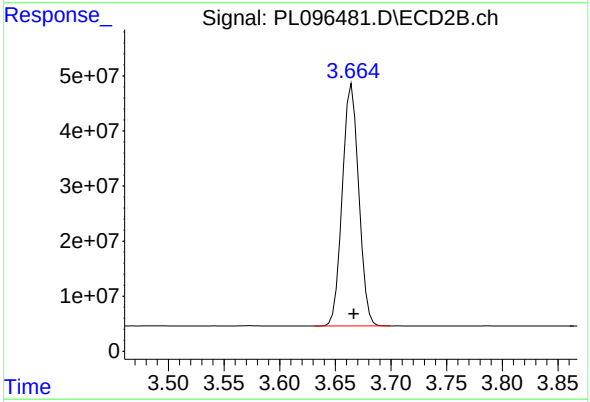
#3 gamma-BHC (Lindane)

R.T.: 4.312 min
Delta R.T.: 0.000 min
Response: 270280418
Conc: 54.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

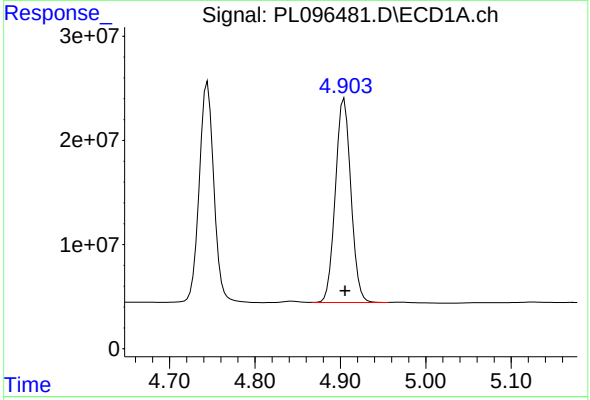
Manual Integrations APPROVED

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



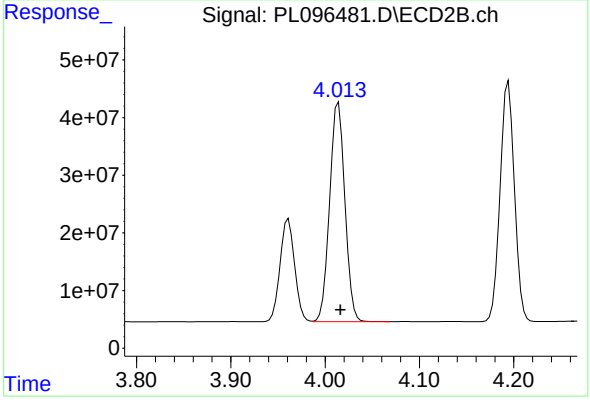
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: -0.002 min
Response: 452314672
Conc: 57.43 ng/ml



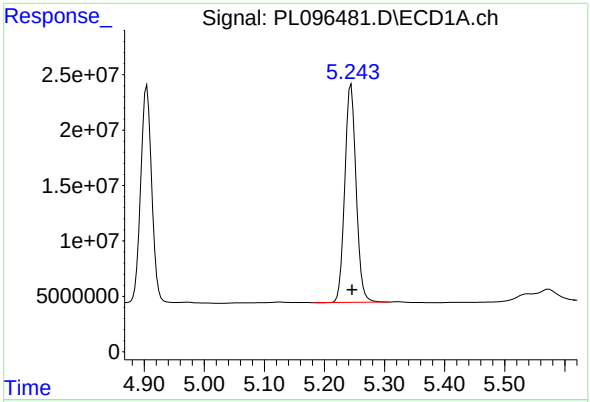
#4 Heptachlor

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



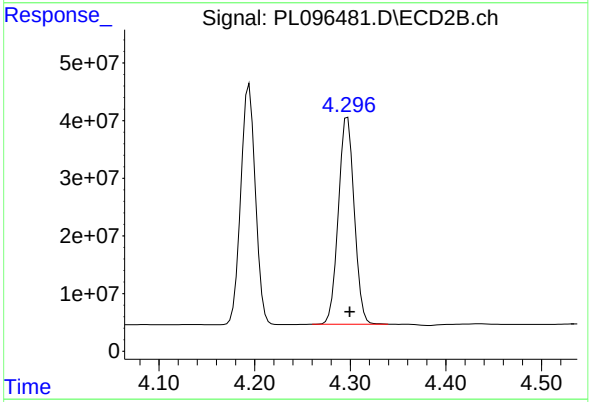
#5 Aldrin

R.T.: 5.244 min
Delta R.T.: -0.002 min
Response: 256680586
Conc: 53.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

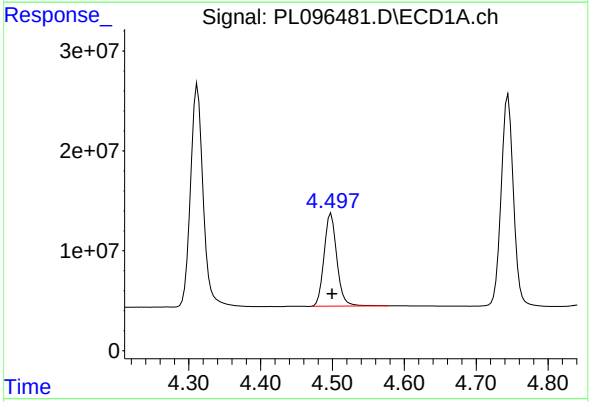
Manual Integrations APPROVED

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



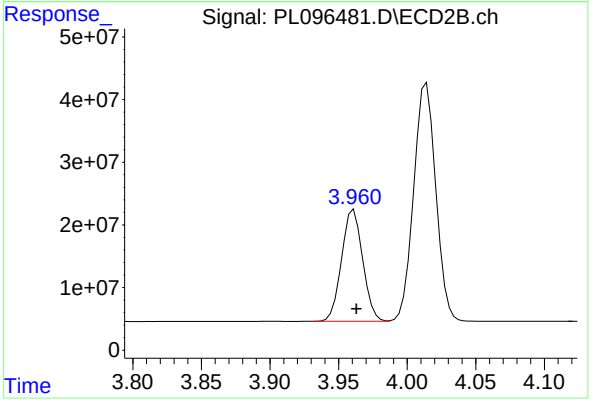
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: -0.002 min
Response: 415588424
Conc: 56.96 ng/ml



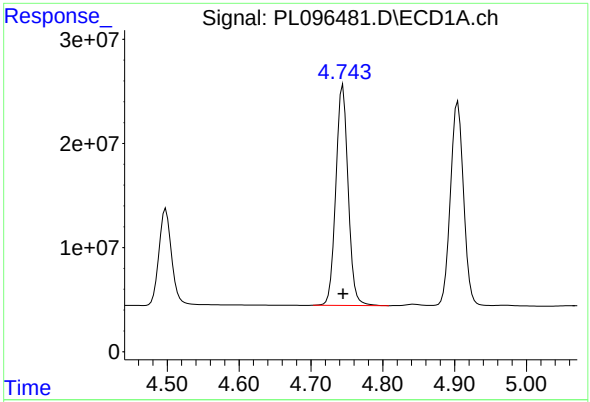
#6 beta-BHC

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

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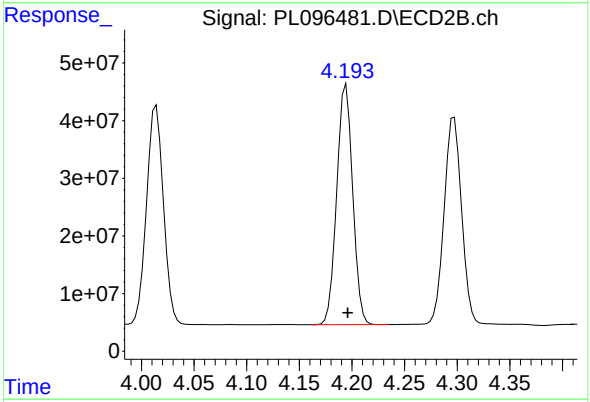
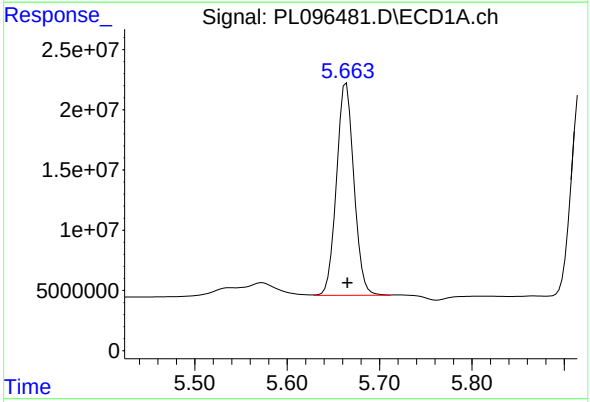
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



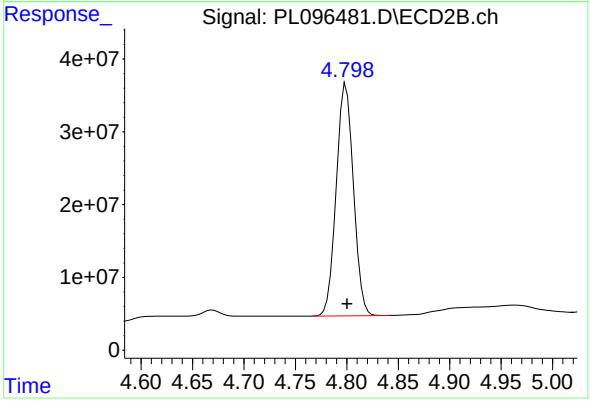
#7 delta-BHC

R.T.: 4.194 min
Delta R.T.: -0.002 min
Response: 440771516
Conc: 57.23 ng/ml



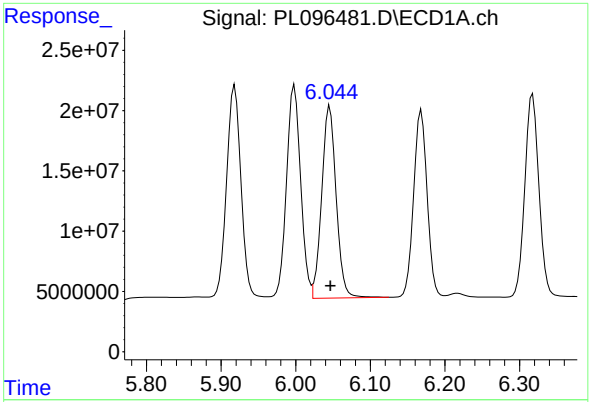
#8 Heptachlor epoxide

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

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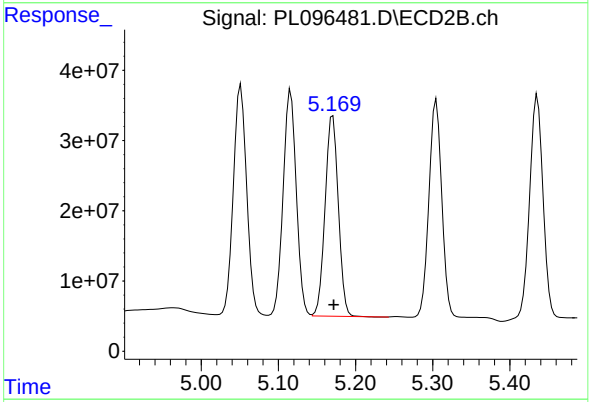
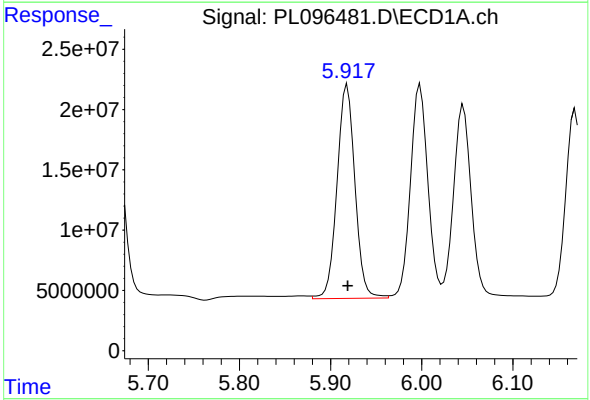
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



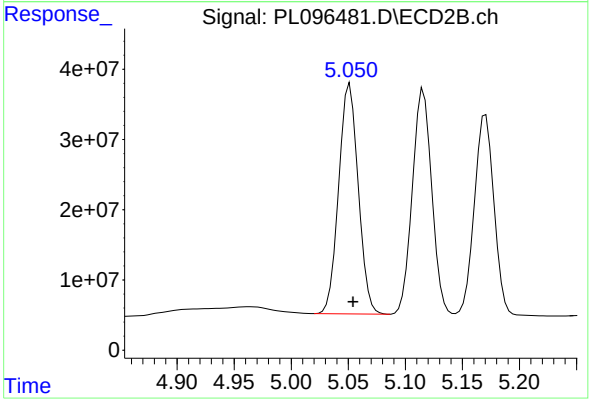
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: -0.001 min
Response: 340837162
Conc: 47.51 ng/ml



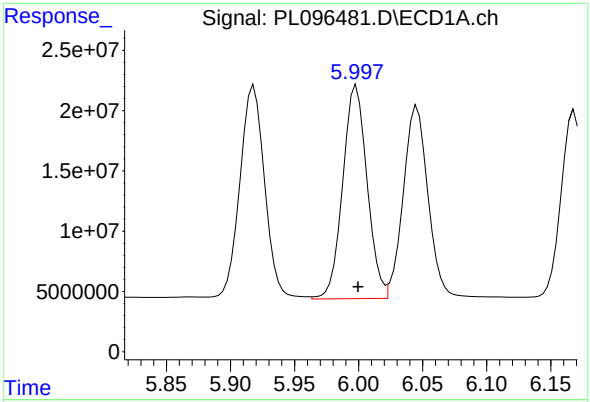
#10 gamma-Chlordane

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

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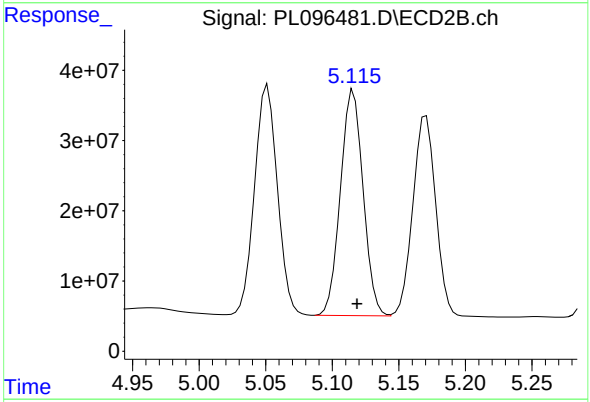
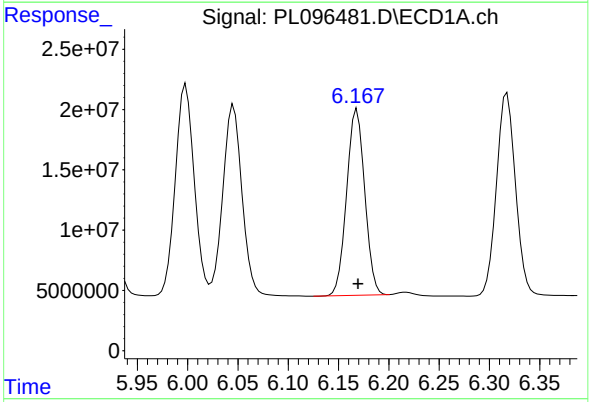
Supervised By :mohammad ahmed 07/23/2025



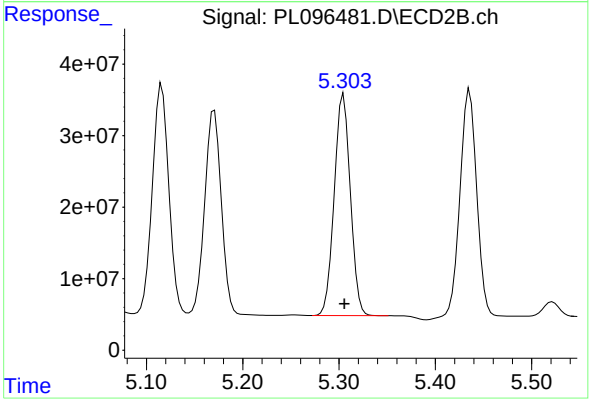
#11 alpha-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.003 min
Response: 381508807
Conc: 50.73 ng/ml



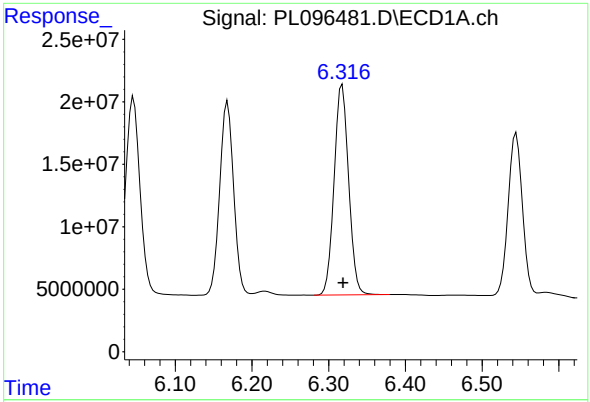
#12 4,4'-DDE

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

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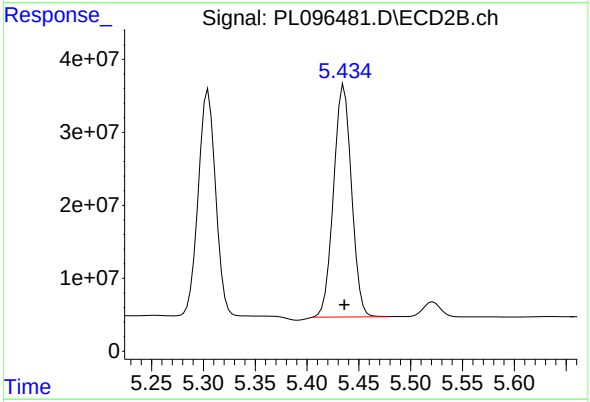
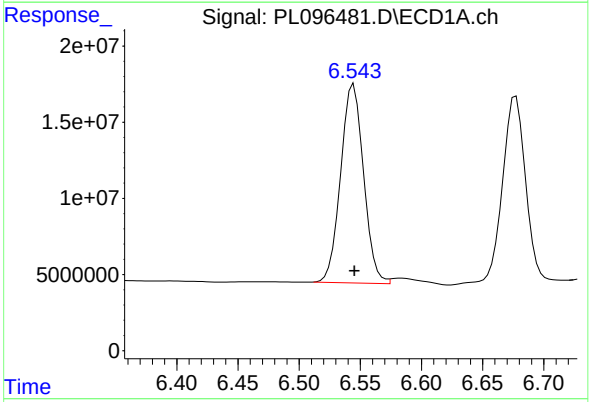
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



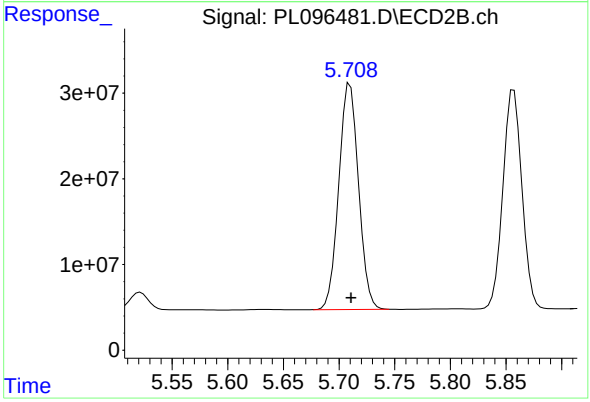
#13 Dieldrin

R.T.: 5.434 min
Delta R.T.: -0.002 min
Response: 383646060
Conc: 56.26 ng/ml m



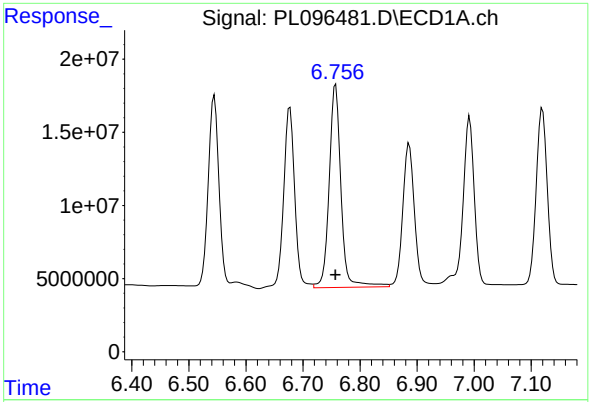
#14 Endrin

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

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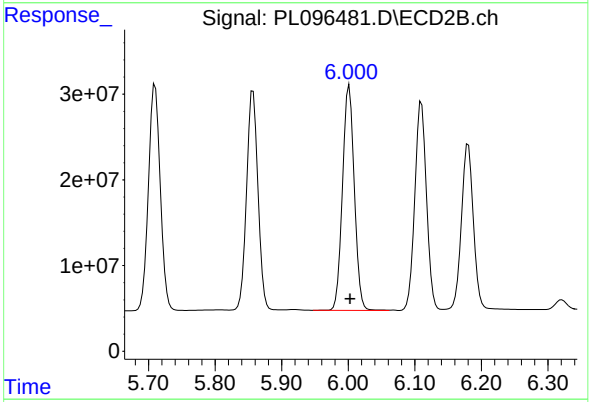
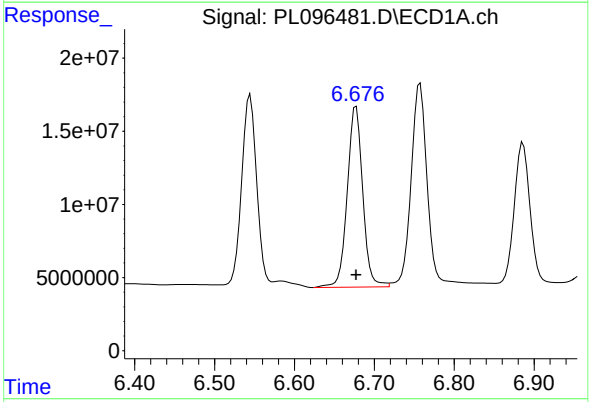
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025



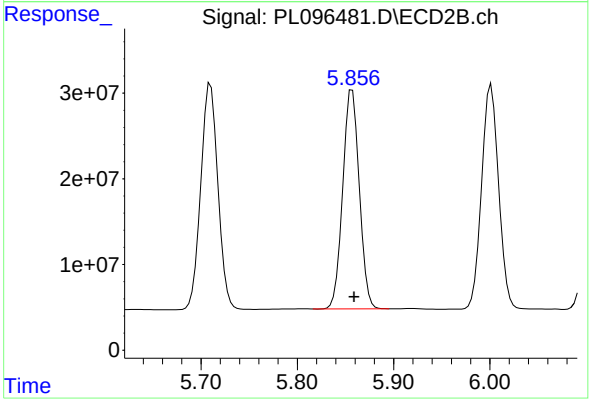
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: -0.001 min
Response: 323727891
Conc: 55.21 ng/ml



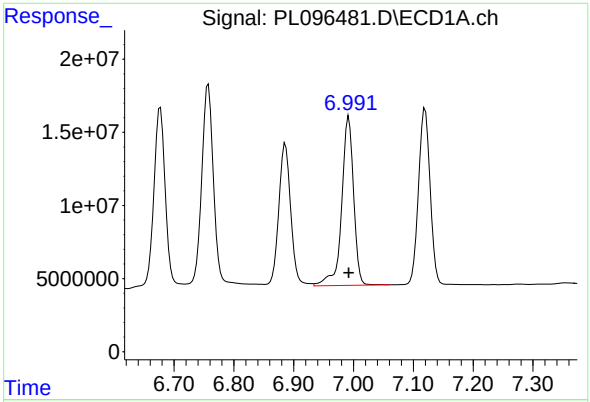
#16 4,4'-DDD

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



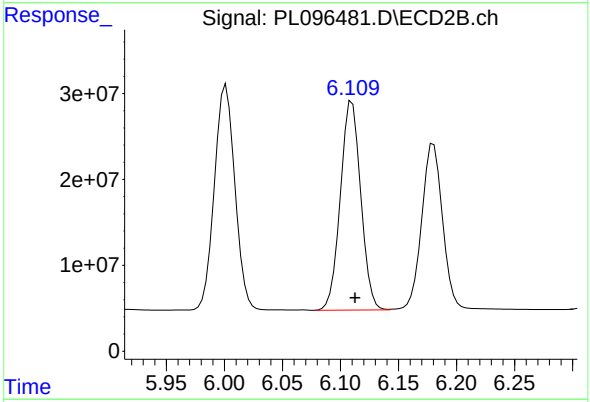
#17 4,4'-DDT

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 160141968
Conc: 52.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

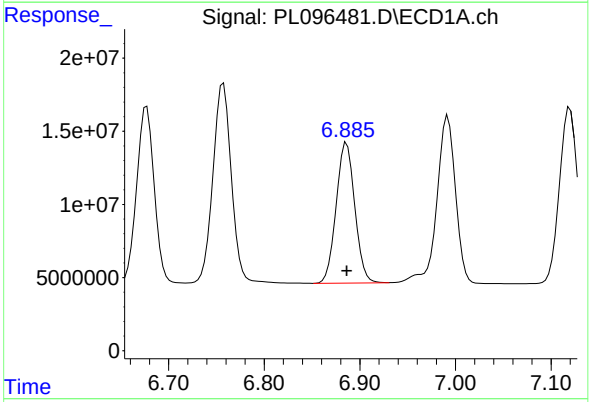
Manual Integrations APPROVED

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



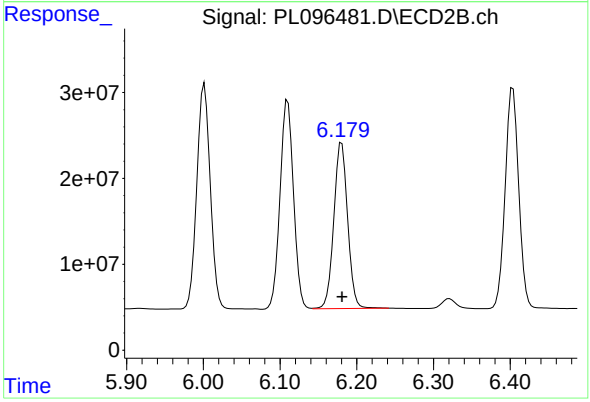
#17 4,4'-DDT

R.T.: 6.110 min
Delta R.T.: -0.003 min
Response: 297411752
Conc: 51.86 ng/ml



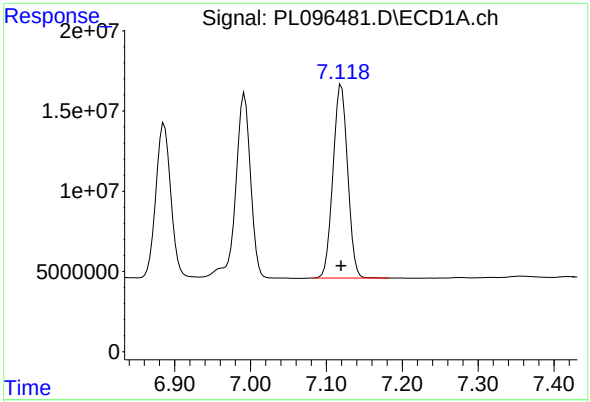
#18 Endrin aldehyde

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

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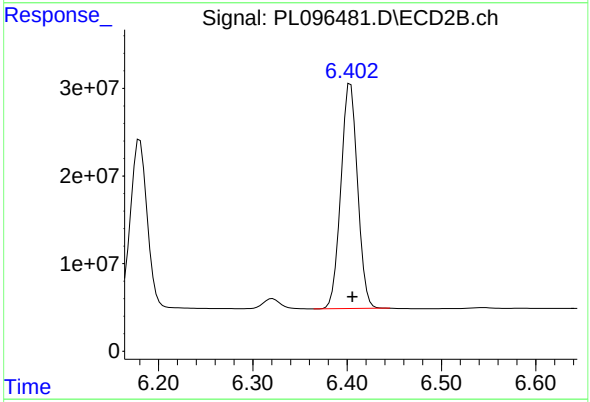
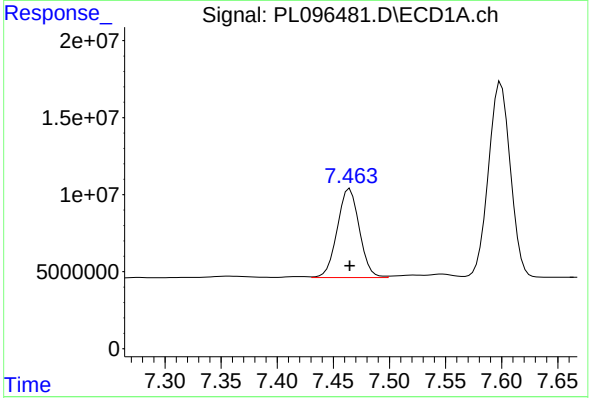
Supervised By :mohammad ahmed 07/23/2025



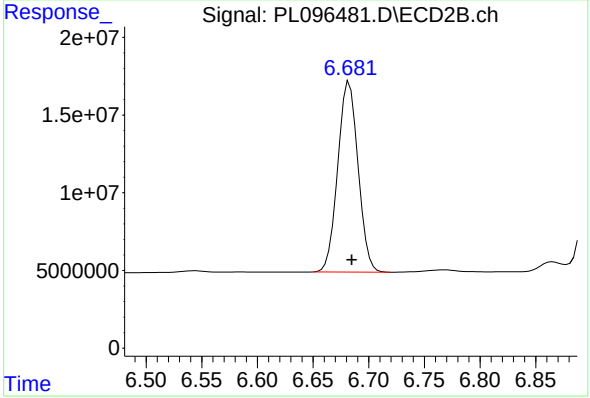
#19 Endosulfan Sulfate

R.T.: 6.404 min
Delta R.T.: -0.002 min
Response: 316362412
Conc: 56.25 ng/ml



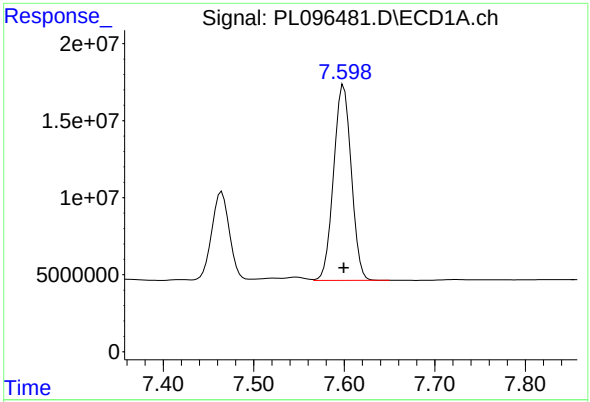
#20 Methoxychlor

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

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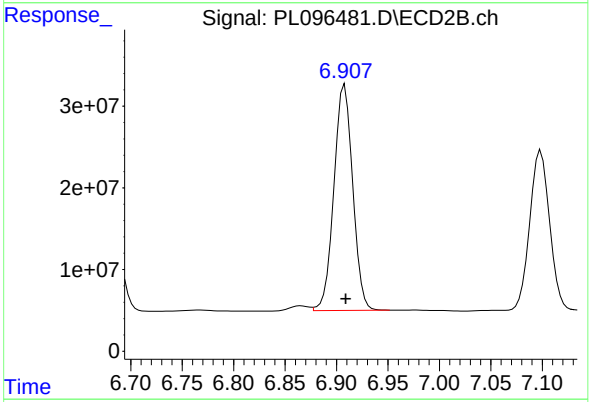
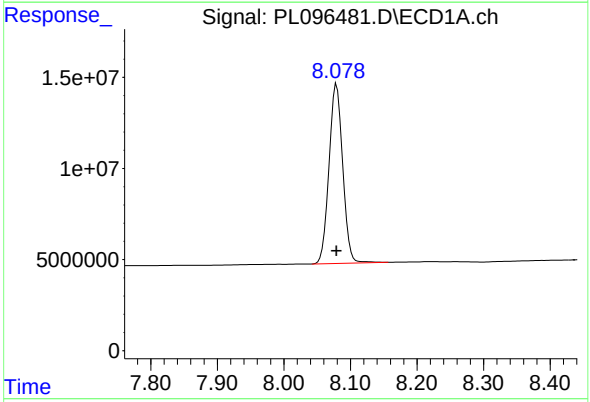


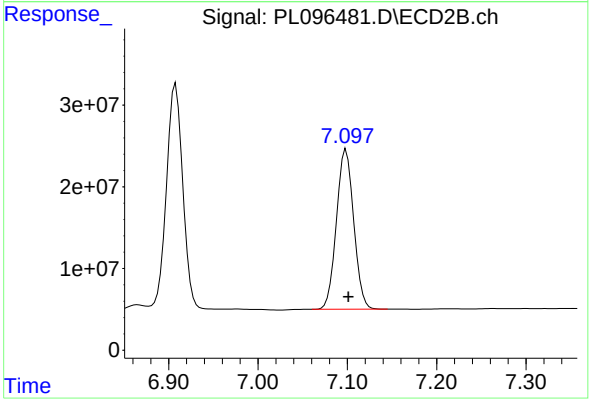
#21 Endrin ketone

R.T.: 6.908 min
Delta R.T.: 0.000 min
Response: 352111948
Conc: 56.32 ng/ml



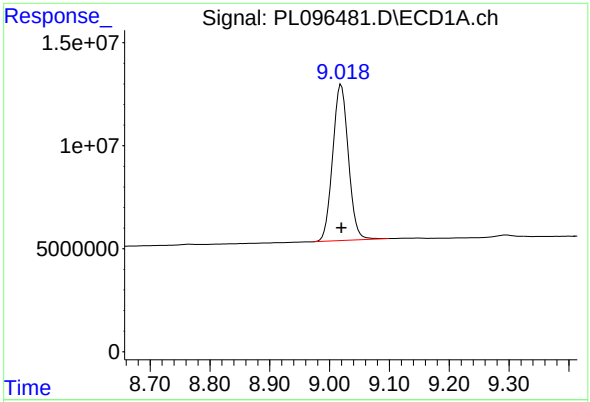
#22 Mirex

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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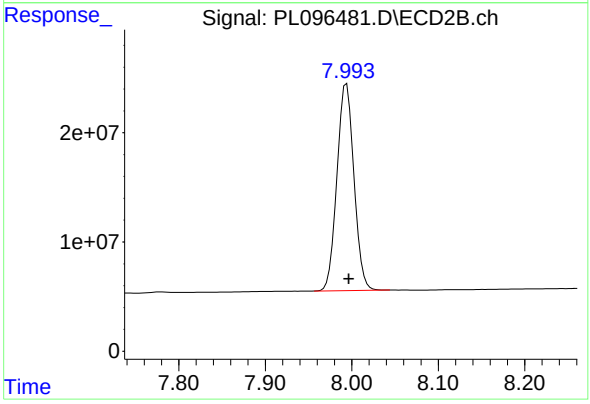
Supervised By :mohammad ahmed 07/23/2025



#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.:** Q2639

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
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.:** Q2639

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

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.:** Q2639

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

Client Sample No.: CCAL06 **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.:** Q2639

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

Client Sample No.: CCAL06 **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.

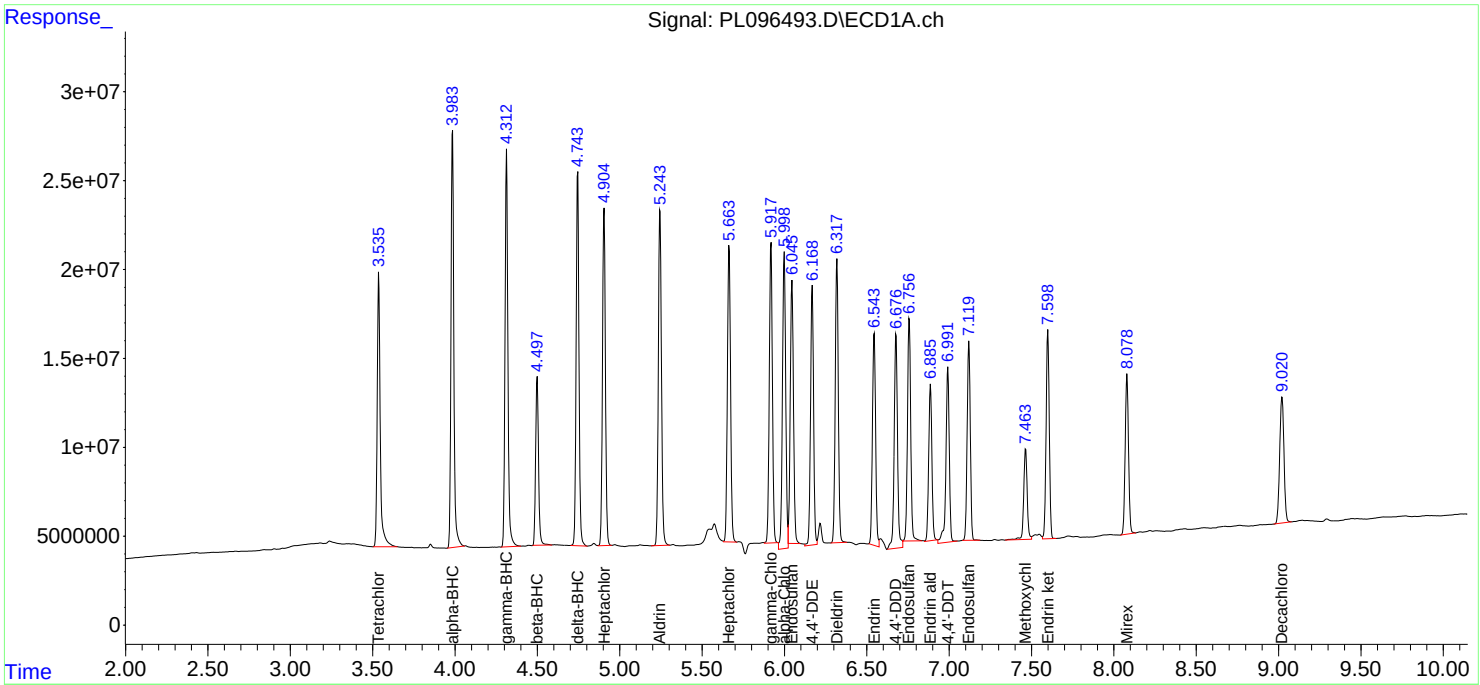
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096493.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:08
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

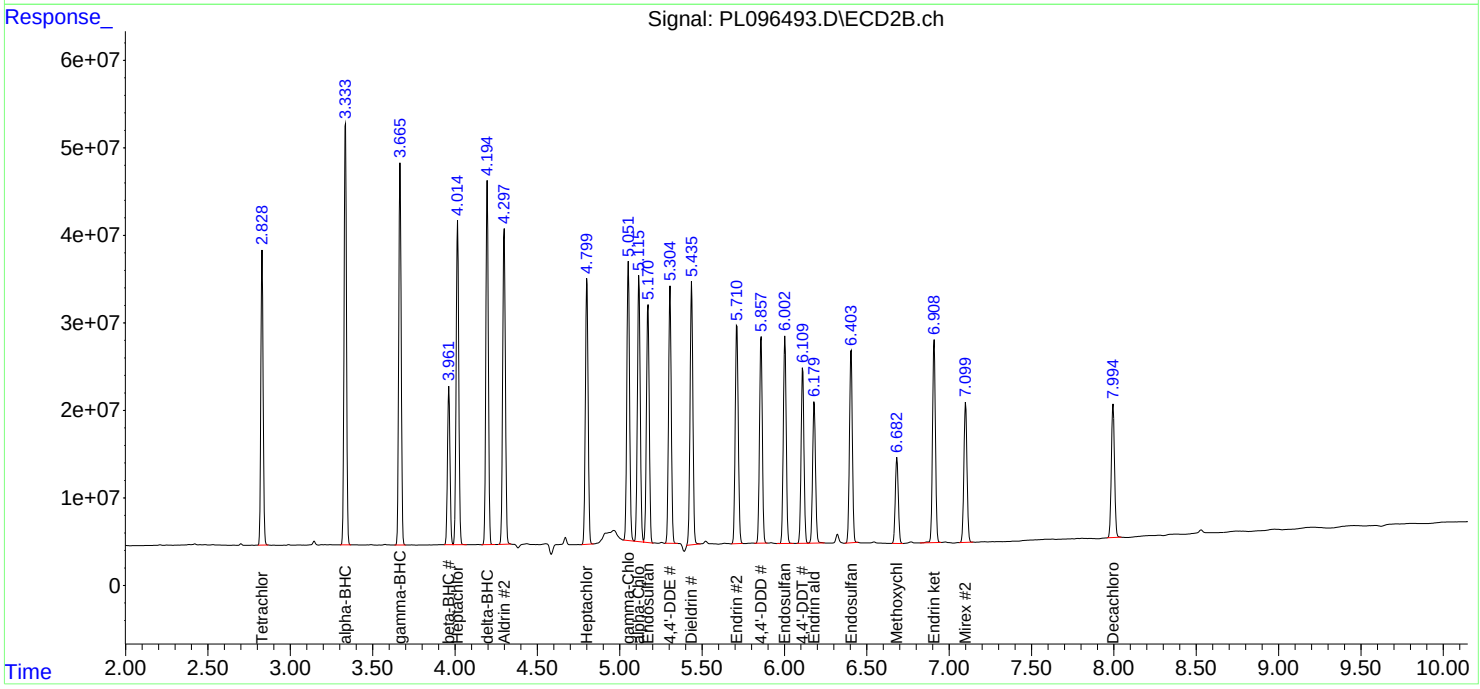
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

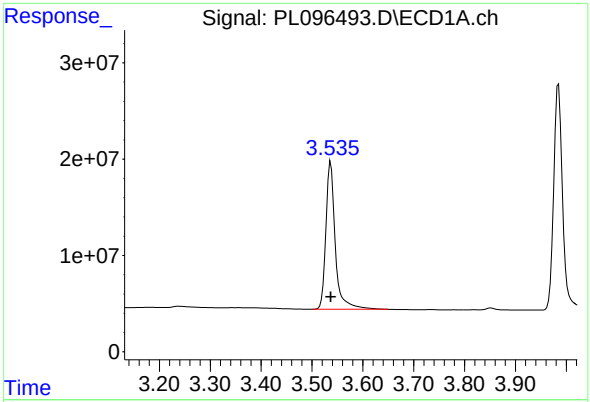
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

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







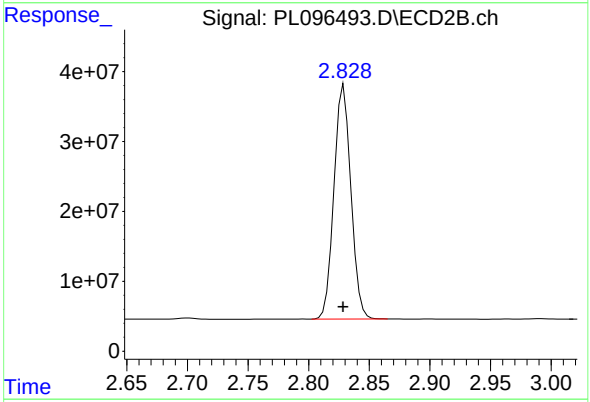
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 197433420
Conc: 54.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

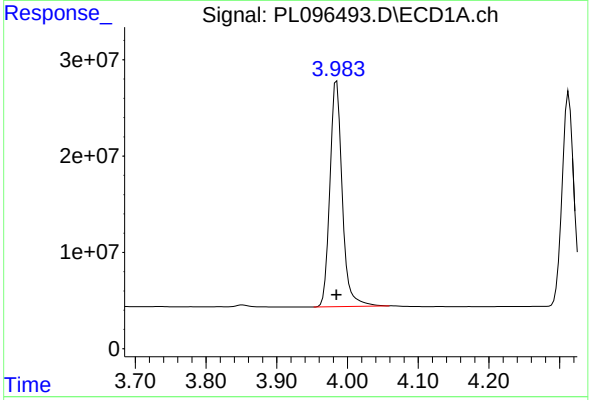
Manual Integrations APPROVED

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



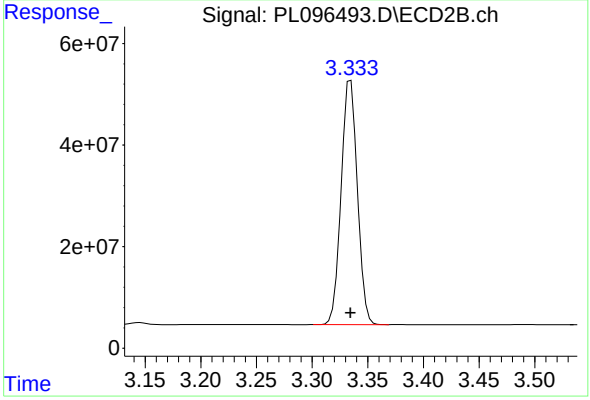
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 325102833
Conc: 56.33 ng/ml



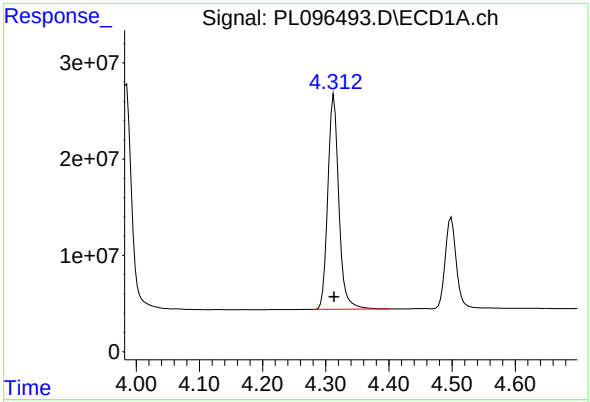
#2 alpha-BHC

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



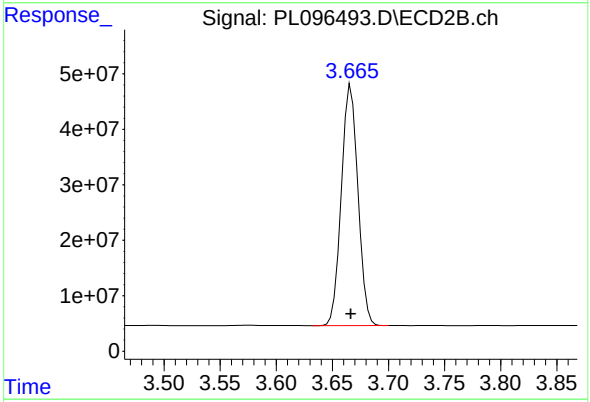
#3 gamma-BHC (Lindane)

R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 270277240
Conc: 54.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

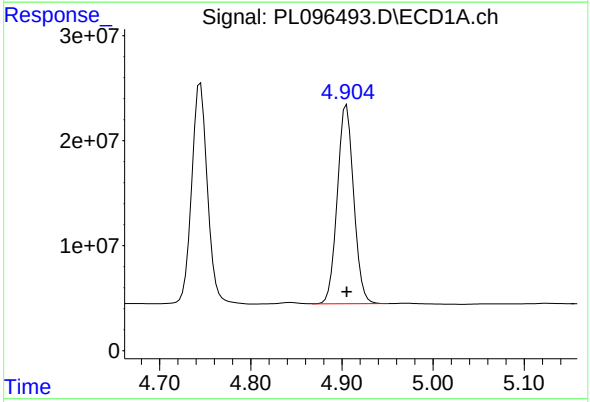
Manual Integrations APPROVED

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



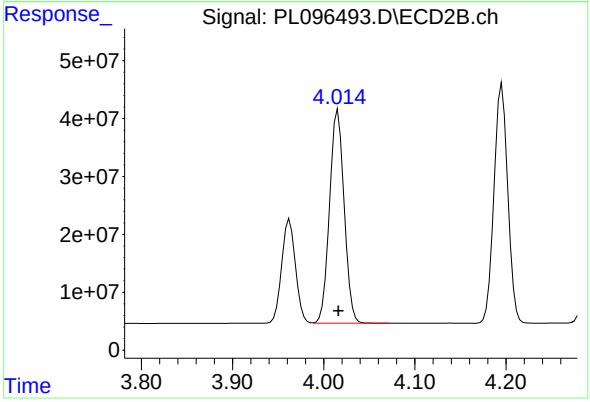
#3 gamma-BHC (Lindane)

R.T.: 3.667 min
Delta R.T.: 0.000 min
Response: 447042519
Conc: 56.76 ng/ml



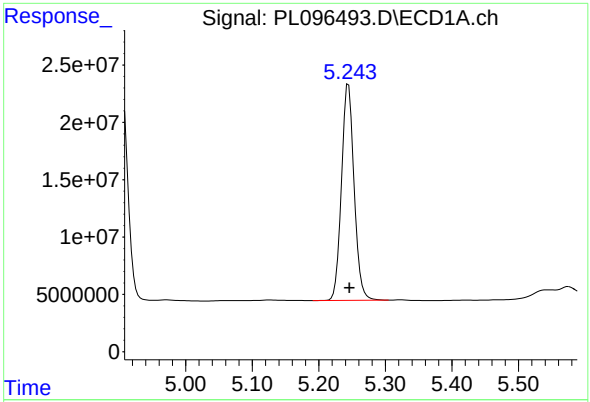
#4 Heptachlor

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



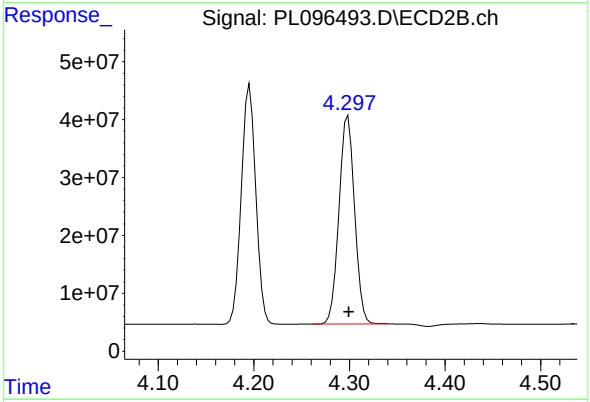
#5 Aldrin

R.T.: 5.244 min
Delta R.T.: -0.001 min
Response: 248497535
Conc: 51.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

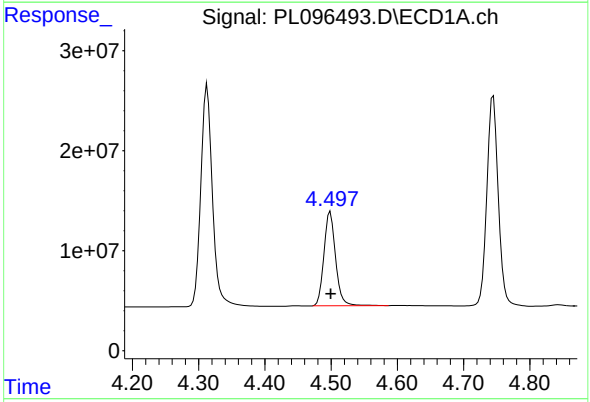
Manual Integrations APPROVED

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



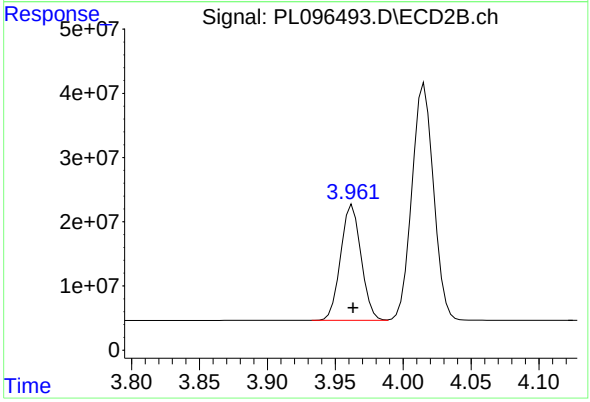
#5 Aldrin

R.T.: 4.299 min
Delta R.T.: 0.000 min
Response: 408622886
Conc: 56.01 ng/ml



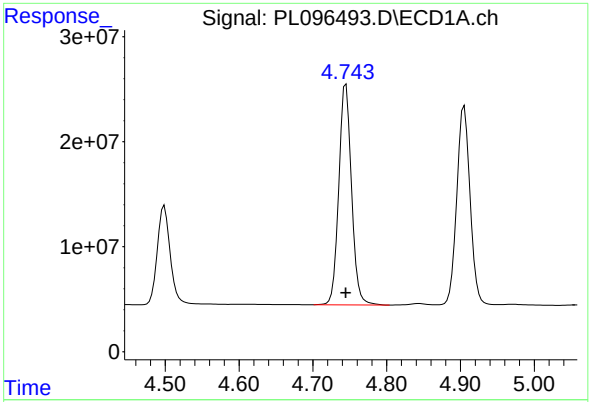
#6 beta-BHC

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



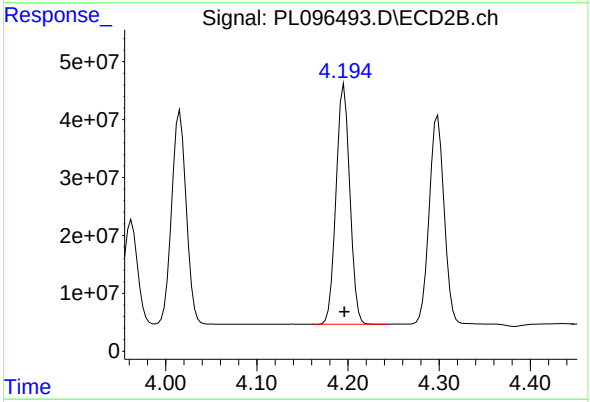
#7 delta-BHC

R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 251716510
Conc: 56.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

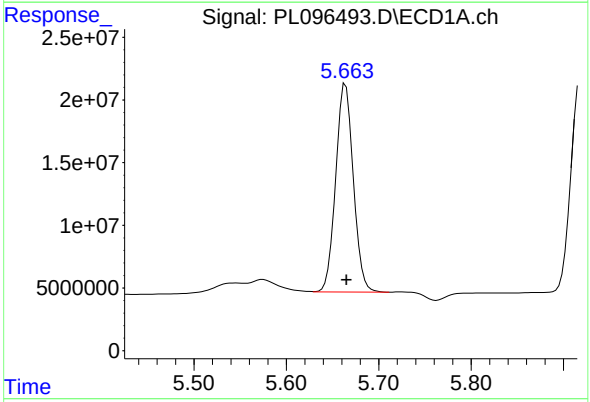
Manual Integrations APPROVED

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



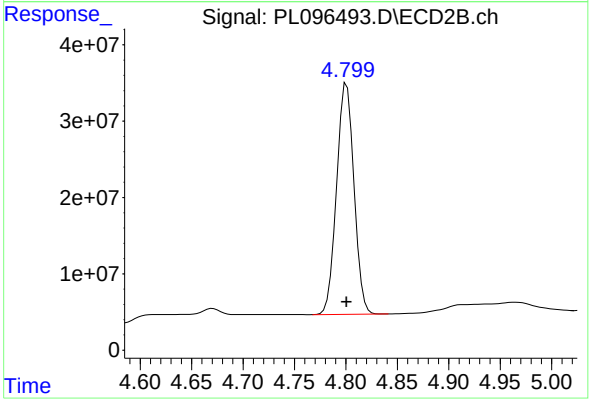
#7 delta-BHC

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 434191743
Conc: 56.37 ng/ml



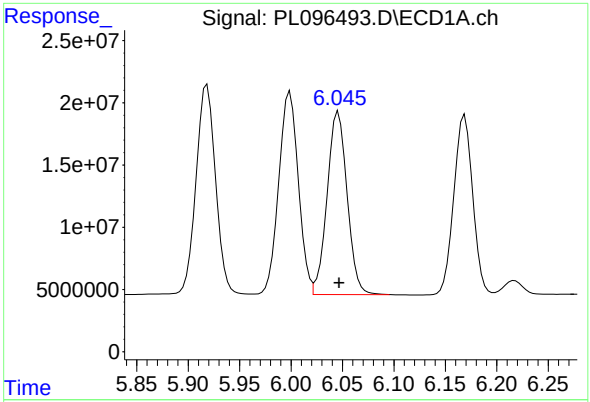
#8 Heptachlor epoxide

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



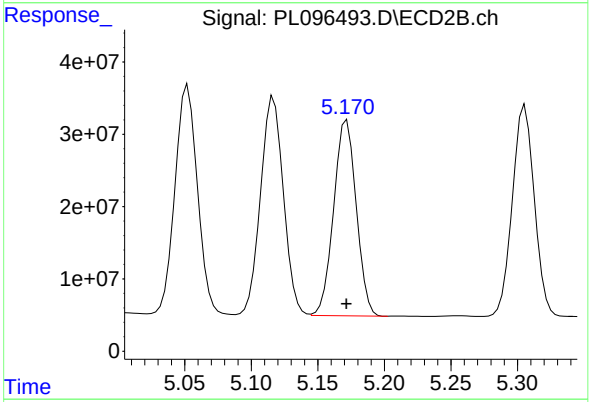
#9 Endosulfan I

R.T.: 6.045 min
Delta R.T.: -0.002 min
Response: 198562523
Conc: 49.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

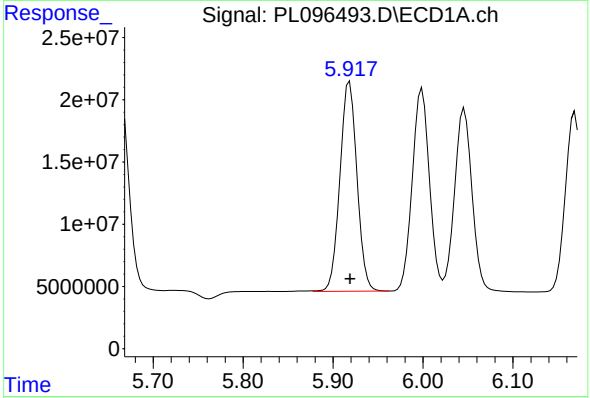
Manual Integrations APPROVED

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



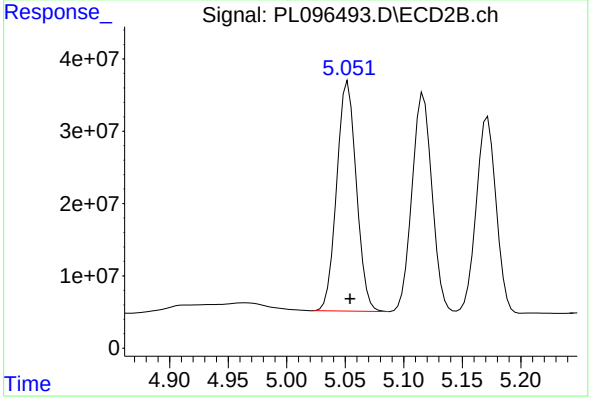
#9 Endosulfan I

R.T.: 5.172 min
Delta R.T.: 0.000 min
Response: 319669016
Conc: 44.56 ng/ml



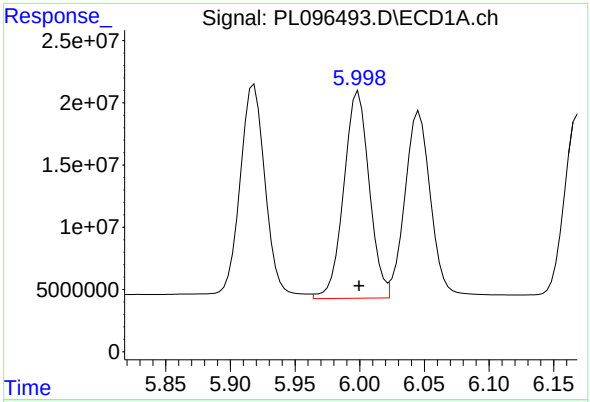
#10 gamma-Chlordane

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



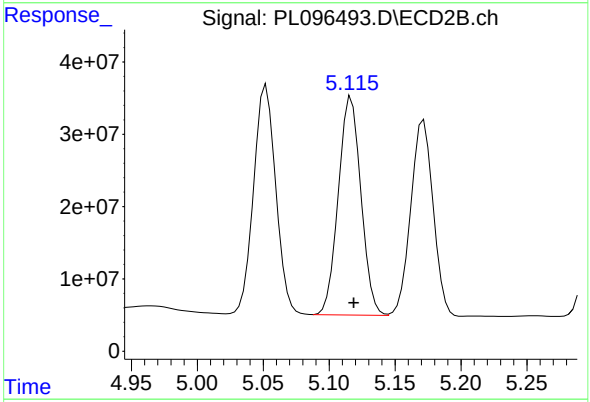
#11 alpha-Chlordane

R.T.: 5.999 min
Delta R.T.: 0.000 min
Response: 227629669
Conc: 51.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

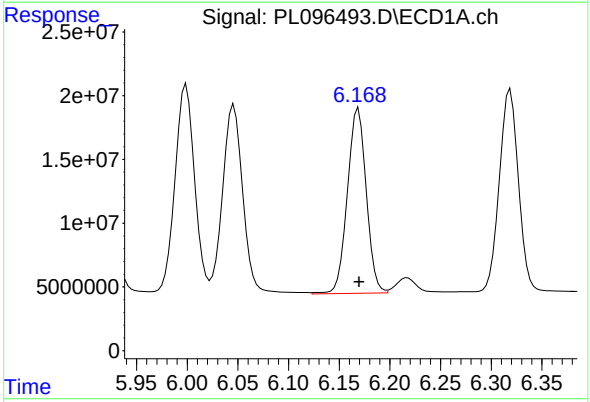
Manual Integrations APPROVED

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



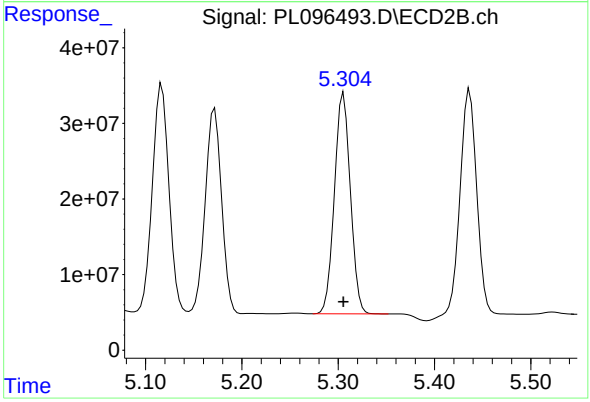
#11 alpha-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.002 min
Response: 360421669
Conc: 47.93 ng/ml



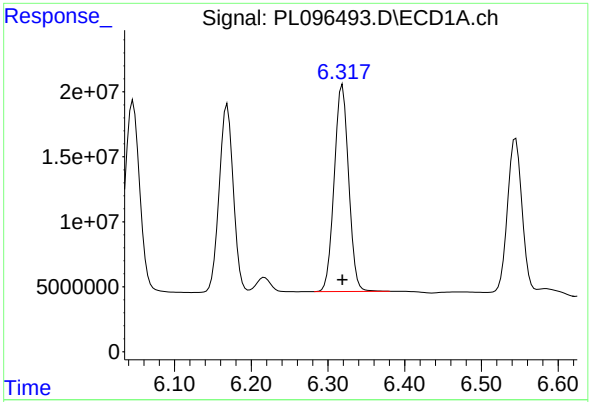
#12 4,4'-DDE

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



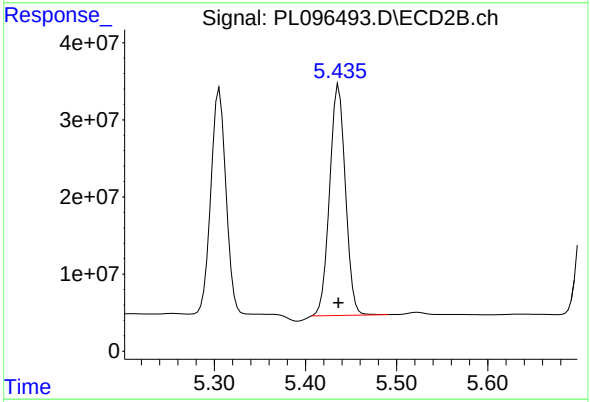
#13 Dieldrin

R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 207858497
Conc: 49.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

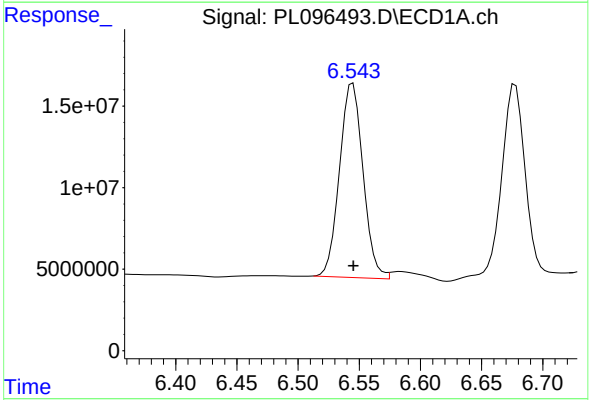
Manual Integrations APPROVED

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



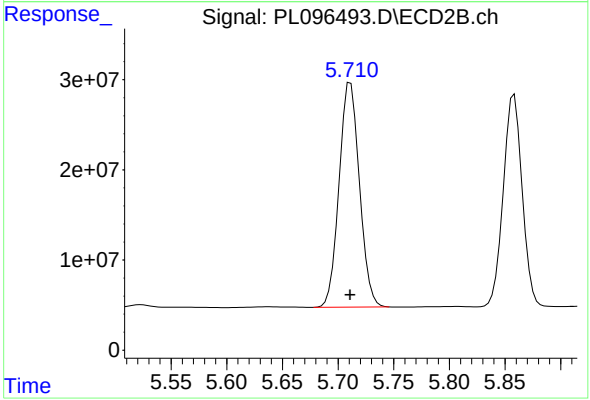
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: 0.000 min
Response: 360429137
Conc: 52.85 ng/ml m



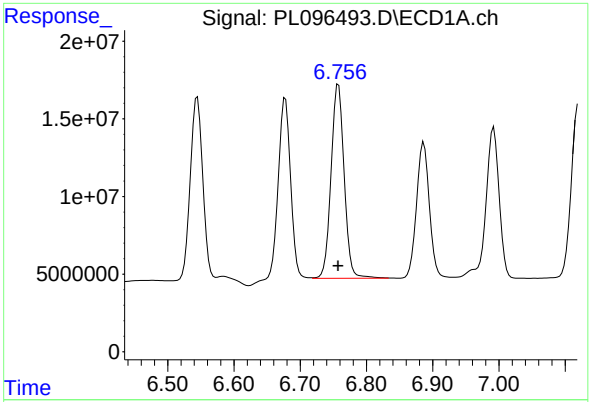
#14 Endrin

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



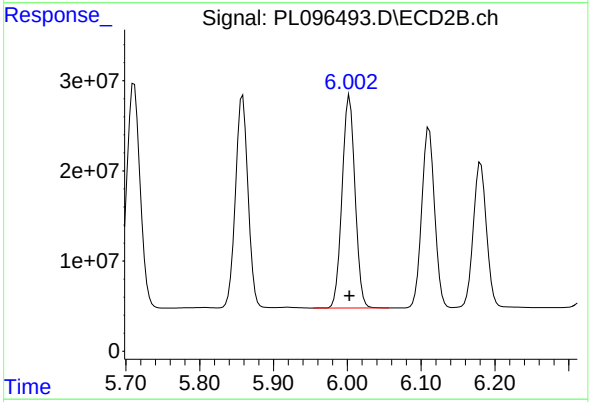
#15 Endosulfan II

R.T.: 6.756 min
Delta R.T.: 0.000 min
Response: 171927456
Conc: 49.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

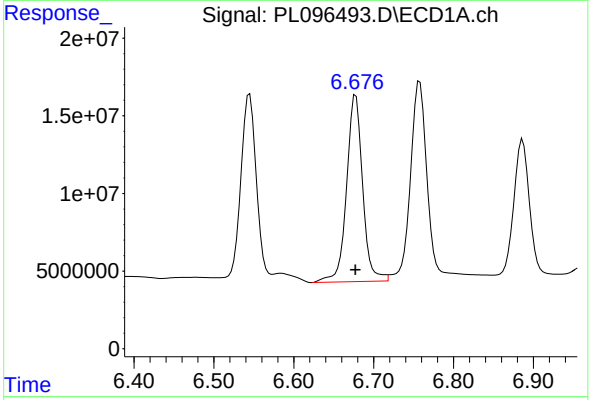
Manual Integrations APPROVED

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



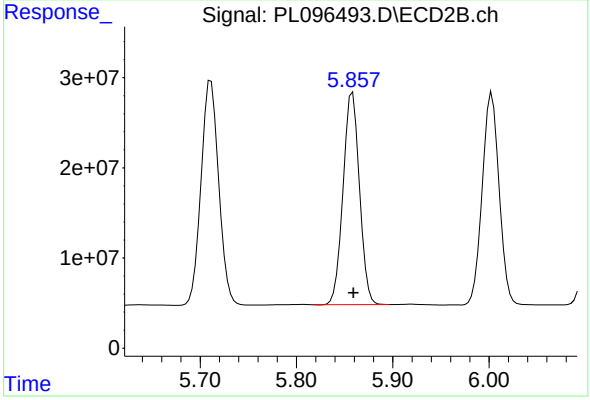
#15 Endosulfan II

R.T.: 6.003 min
Delta R.T.: 0.000 min
Response: 286988731
Conc: 48.94 ng/ml



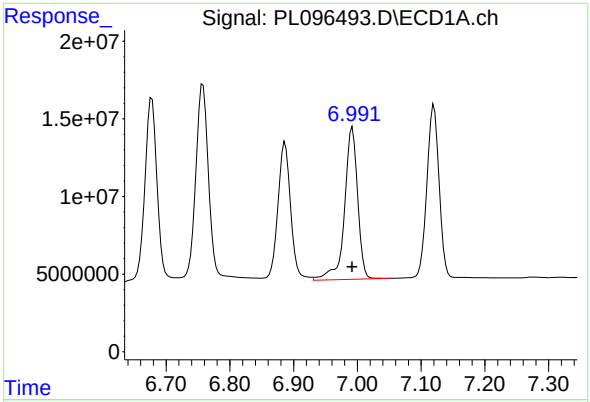
#16 4,4'-DDD

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



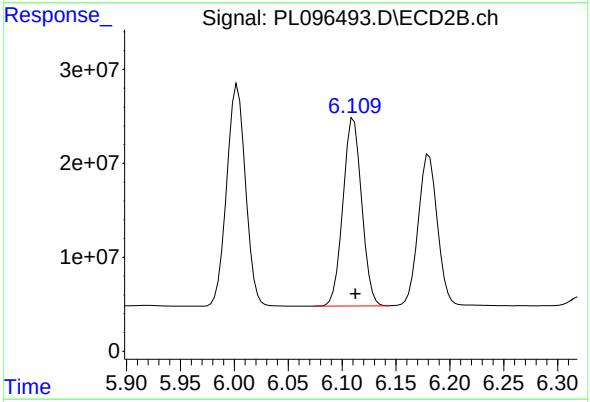
#17 4,4'-DDT

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 140278736
Conc: 46.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

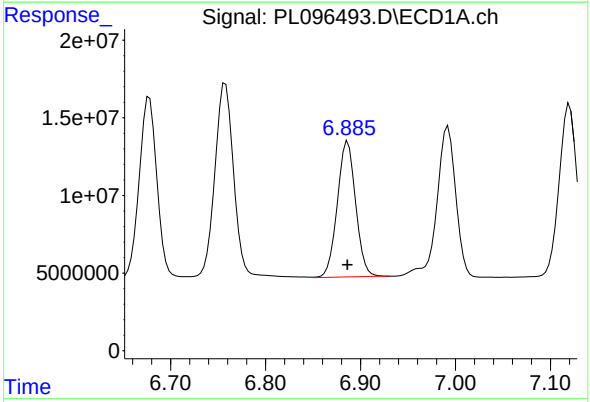
Manual Integrations APPROVED

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



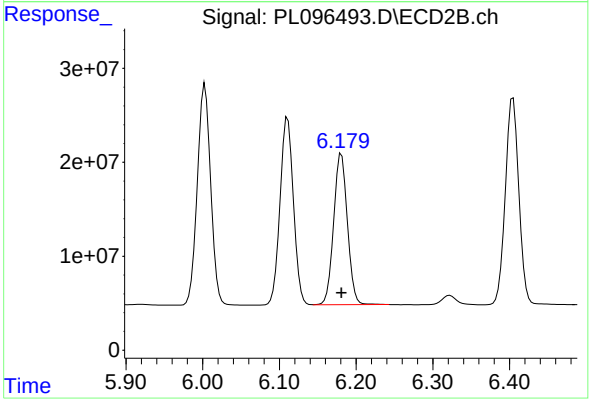
#17 4,4'-DDT

R.T.: 6.111 min
Delta R.T.: -0.002 min
Response: 242599364
Conc: 42.30 ng/ml



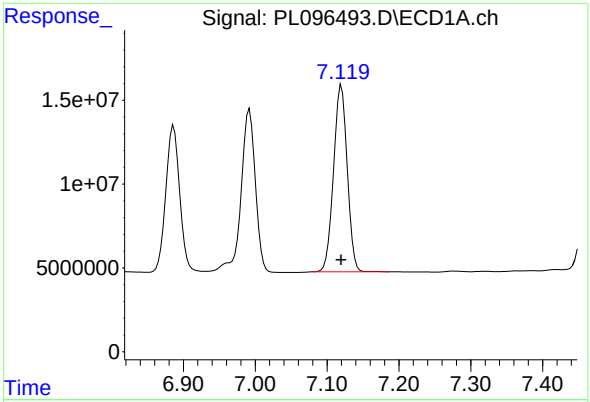
#18 Endrin aldehyde

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



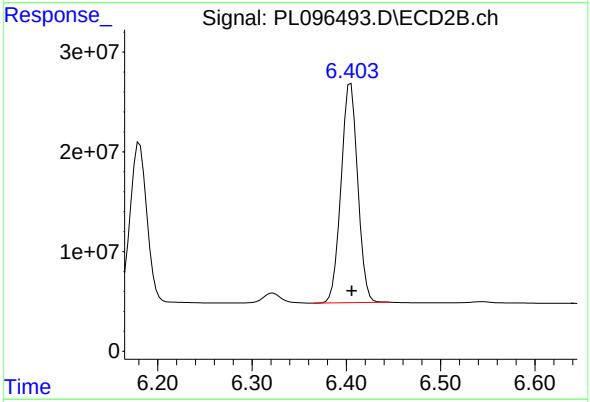
#19 Endosulfan Sulfate

R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 147162779
Conc: 48.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

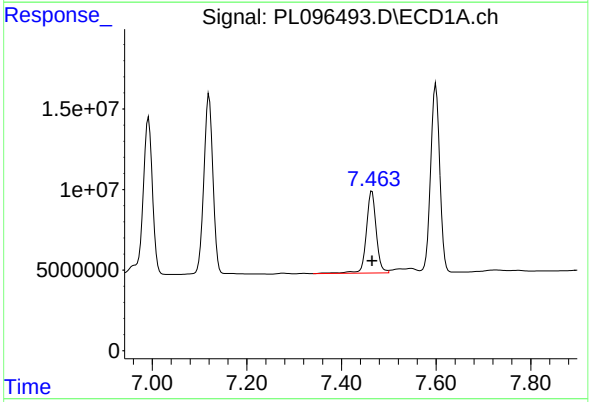
Manual Integrations APPROVED

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



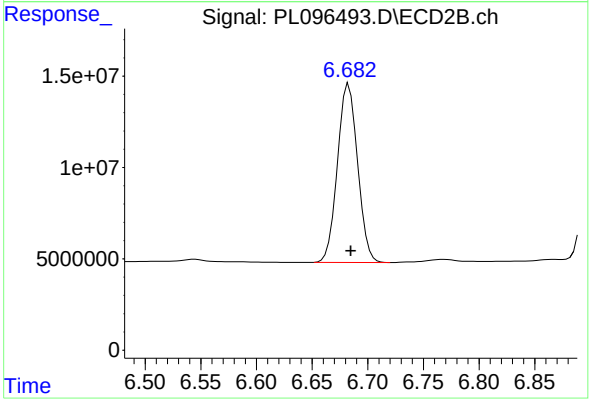
#19 Endosulfan Sulfate

R.T.: 6.405 min
Delta R.T.: 0.000 min
Response: 270039100
Conc: 48.01 ng/ml



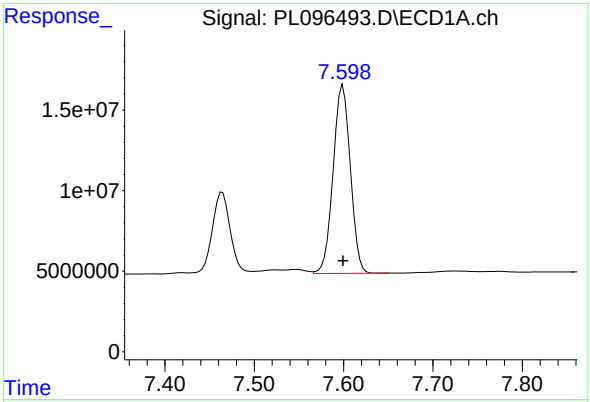
#20 Methoxychlor

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



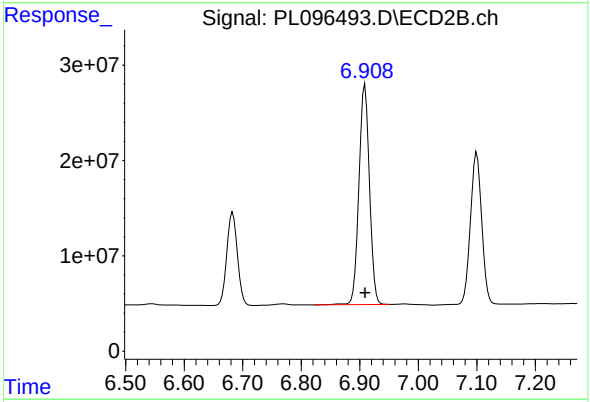
#21 Endrin ketone

R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 156493430
Conc: 47.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

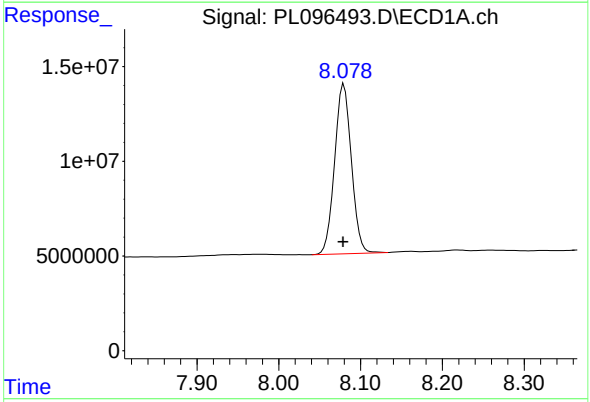
Manual Integrations APPROVED

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



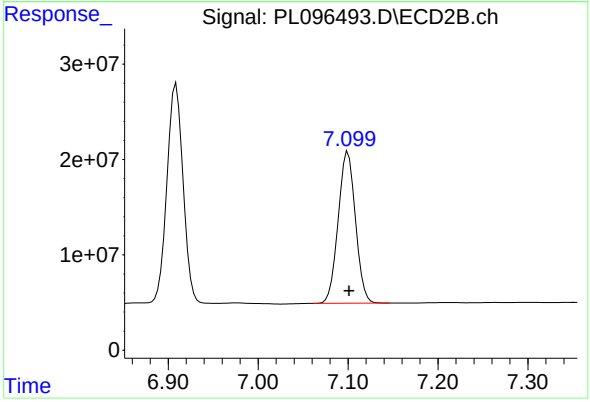
#21 Endrin ketone

R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 288787748
Conc: 46.19 ng/ml



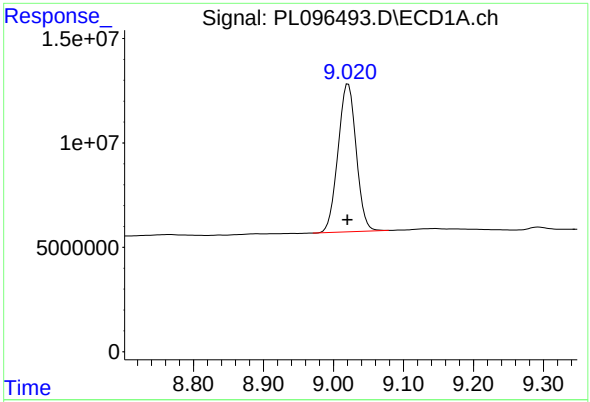
#22 Mirex

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



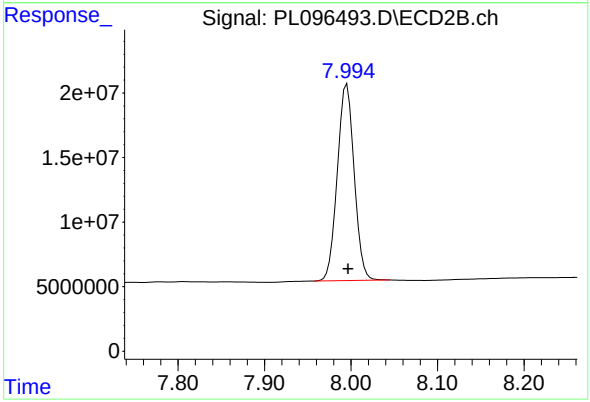
#28 Decachlorobiphenyl

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

Reviewed By :Abdul Mirza 07/22/2025
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

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.:** Q2639

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No. (PEM): PEM - PD089538.D **Date Analyzed:** 07/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:22

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.072	8.970	9.170	19.790	20.000	-1.1
Tetrachloro-m-xylene	3.548	3.500	3.600	18.520	20.000	-7.4
alpha-BHC	3.997	3.950	4.050	8.840	10.000	-11.6
beta-BHC	4.514	4.460	4.560	9.740	10.000	-2.6
gamma-BHC (Lindane)	4.328	4.280	4.380	9.170	10.000	-8.3
Endrin	6.573	6.500	6.640	47.840	50.000	-4.3
4,4'-DDT	7.020	6.950	7.090	95.200	100.000	-4.8
Methoxychlor	7.492	7.420	7.560	219.620	250.000	-12.2

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No. (PEM): PEM - PD089538.D **Date Analyzed:** 07/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:22

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.069	7.970	8.170	19.600	20.000	-2.0
Tetrachloro-m-xylene	2.879	2.830	2.930	19.070	20.000	-4.7
alpha-BHC	3.391	3.340	3.440	10.560	10.000	5.6
beta-BHC	4.023	3.970	4.070	10.500	10.000	5.0
gamma-BHC (Lindane)	3.727	3.680	3.780	10.200	10.000	2.0
Endrin	5.787	5.720	5.860	46.920	50.000	-6.2
4,4'-DDT	6.181	6.110	6.250	91.020	100.000	-9.0
Methoxychlor	6.751	6.680	6.820	188.630	250.000	-24.5

PEM

Data File: PD089538.D **Date Acquired** 7/21/2025 12:22

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.57	194832322.3	196820249.5	1987927.15	**1.01**
Endrin aldehyde	6.92	594479.454			
Endrin ketone	7.63	1393447.691			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	1134667630	1156872482	22204852.5	**1.92**
Endrin aldehyde #2	6.25	9624266.822			
Endrin ketone #2	6.99	12580585.66			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	359179895.9	360449822.3	1269926.37	**0.35**
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	1269926.367			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	2130603297	2138241100	7637802.91	**0.36**
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.93	7637802.906			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089538.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:22
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 04:41:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.879	53372260	373.1E6	18.523	19.067
28)	SA Decachlor...	9.072	8.069	81289525	481.5E6	19.793	19.598
	Target Compounds						
2)	A alpha-BHC	3.997	3.391	50475537	317.2E6	8.840	10.558
3)	MA gamma-BHC...	4.328	3.727	50605463	283.2E6	9.172	10.200
6)	B beta-BHC	4.514	4.023	20992727	125.0E6	9.736	10.504
14)	MA Endrin	6.573	5.787	194.8E6	1134.7E6	47.840	46.923
16)	A 4,4'-DDD	6.703	5.931	1269926	7637803	0.375	0.348
17)	MA 4,4'-DDT	7.020	6.181	359.2E6	2130.6E6	95.199	91.024
18)	B Endrin al...	6.919	6.254	594479	9624267	0.204	0.580 #
20)	A Methoxychlor	7.492	6.751	440.3E6	2299.8E6	219.619	188.633
21)	B Endrin ke...	7.627	6.987	1393448	12580586	0.346m	0.514m#

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

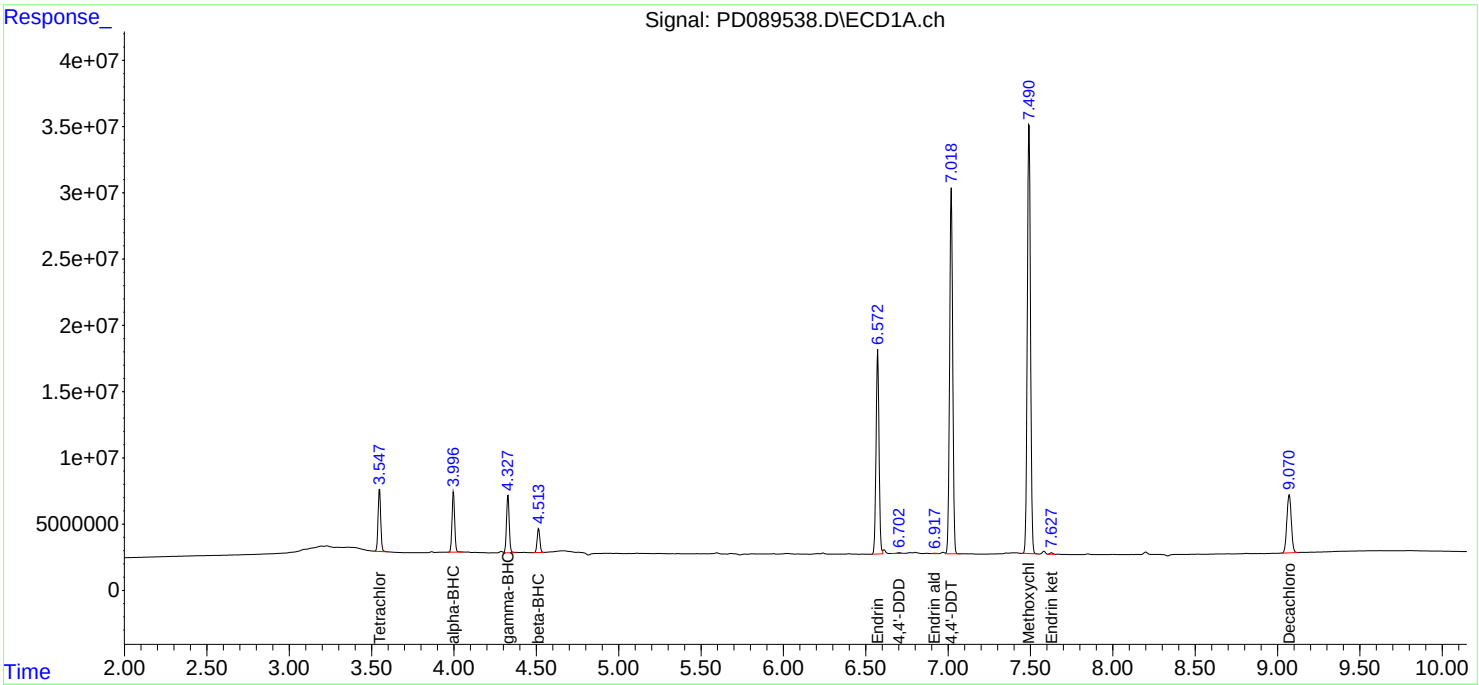
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089538.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:22
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

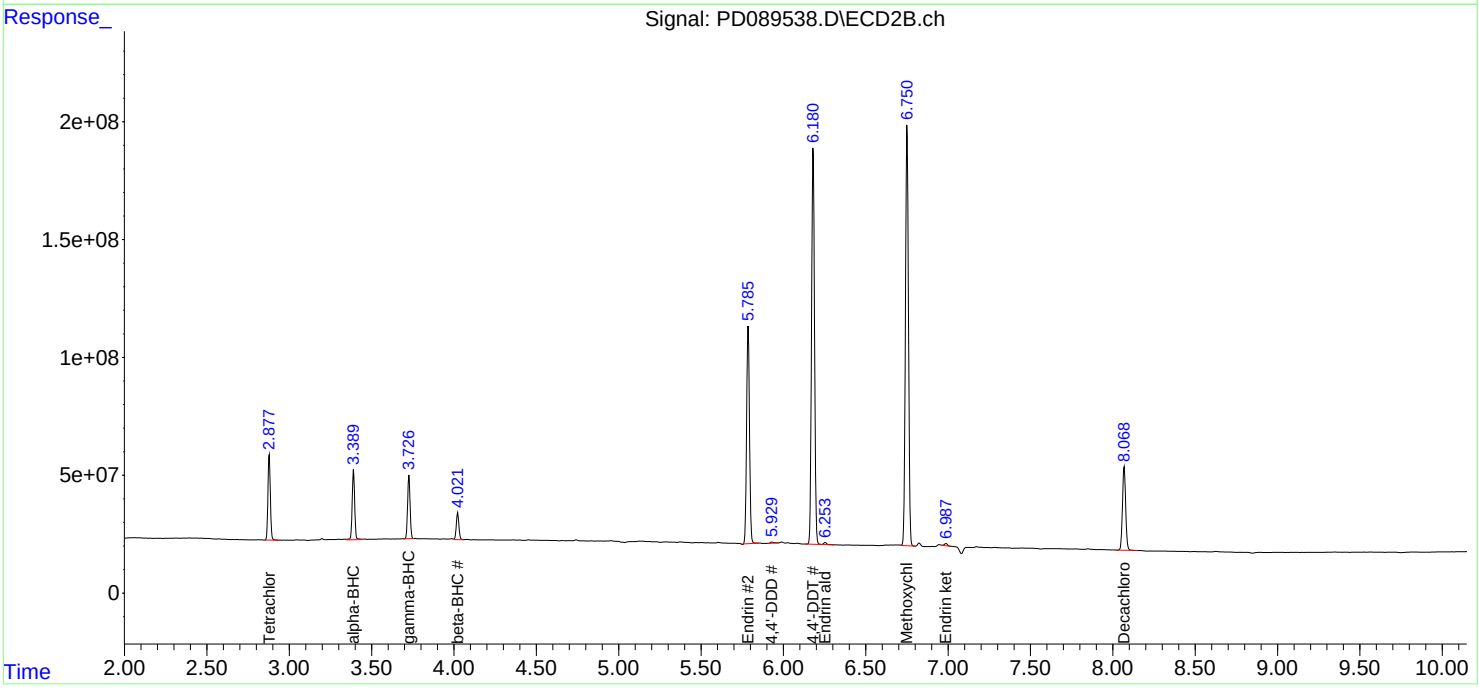
Instrument :
ECD_D
ClientSampleId :
PEM

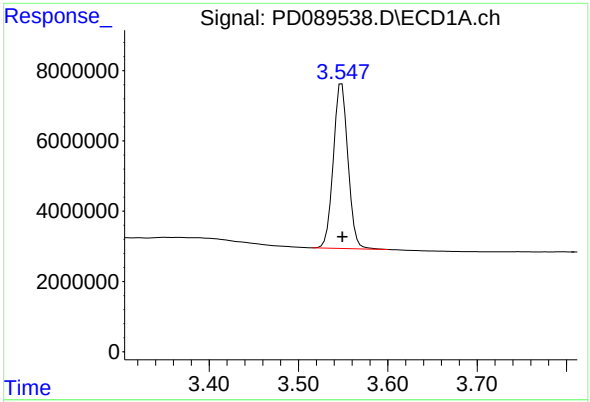
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 04:41:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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







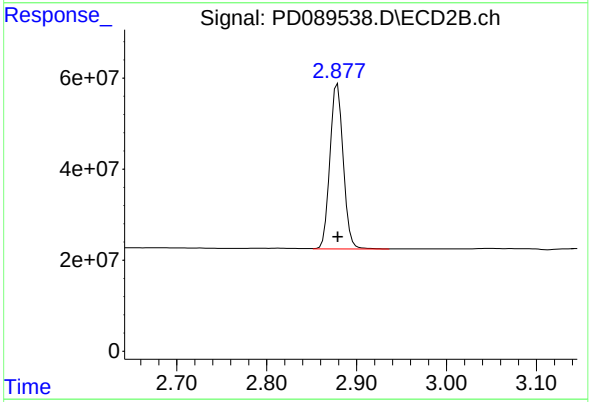
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 53372260
Conc: 18.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

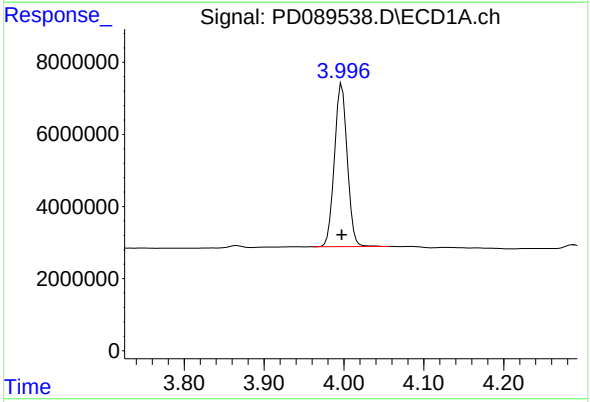
Manual Integrations APPROVED

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



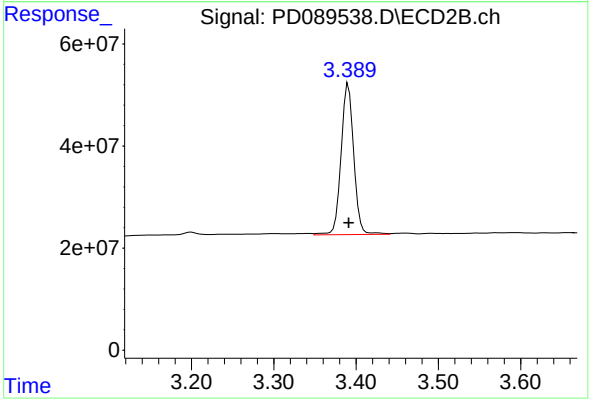
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 373059031
Conc: 19.07 ng/ml



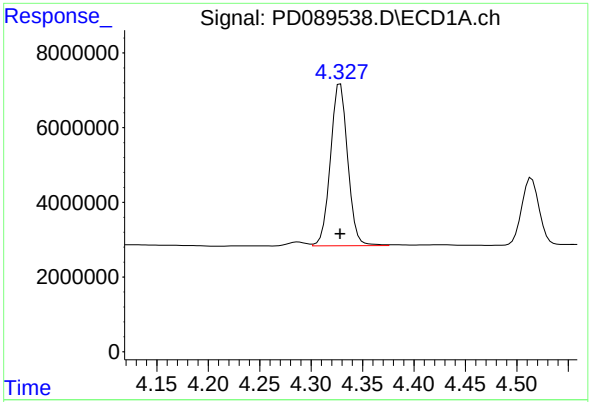
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 50475537
Conc: 8.84 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 317216915
Conc: 10.56 ng/ml



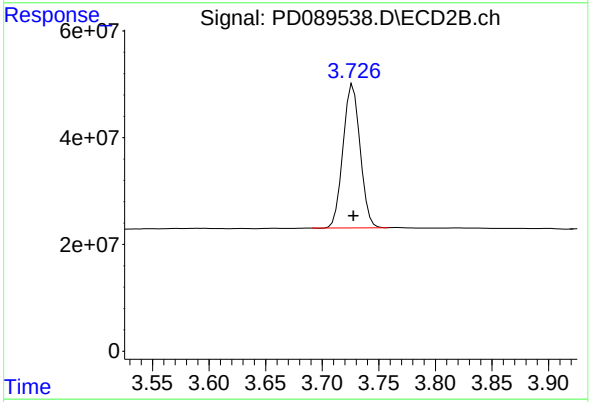
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 50605463
Conc: 9.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

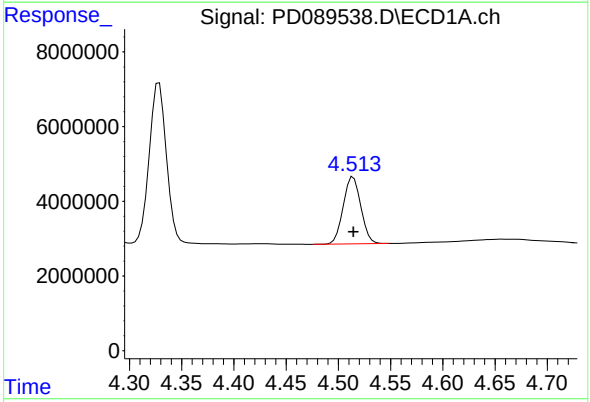
Manual Integrations APPROVED

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



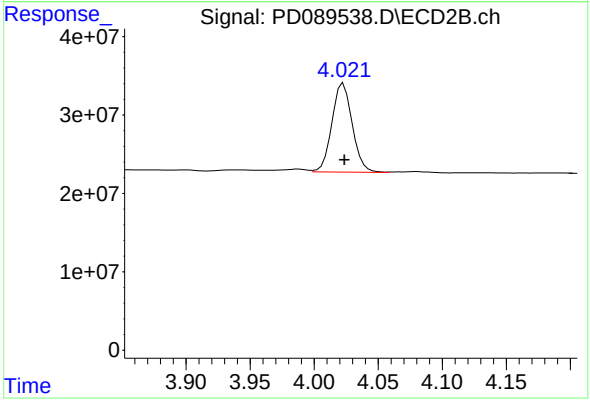
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 283168152
Conc: 10.20 ng/ml



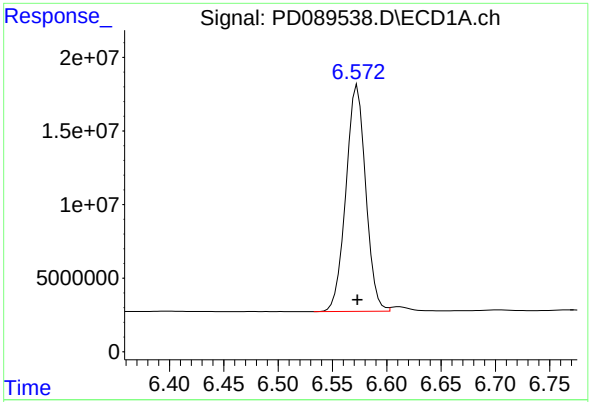
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 20992727
Conc: 9.74 ng/ml



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 125024215
Conc: 10.50 ng/ml



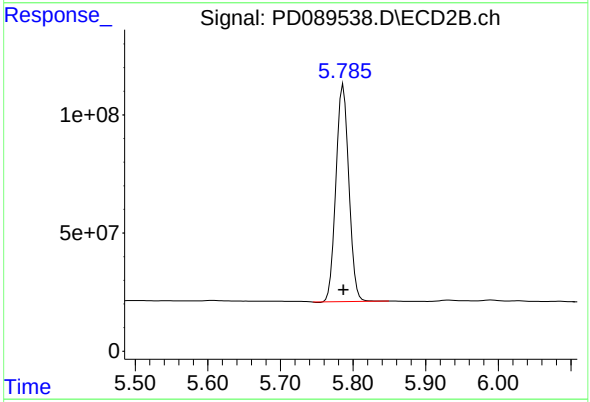
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 194832322
Conc: 47.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

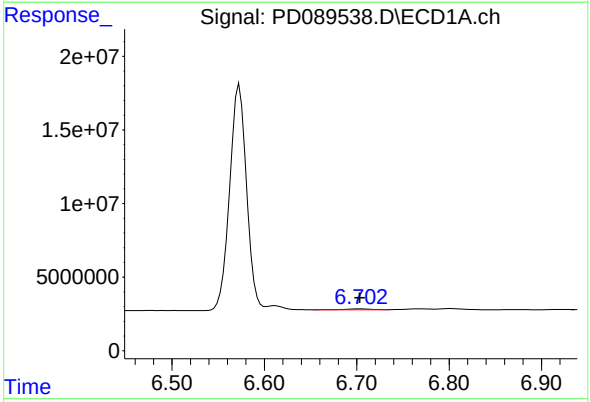
Manual Integrations
APPROVED

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



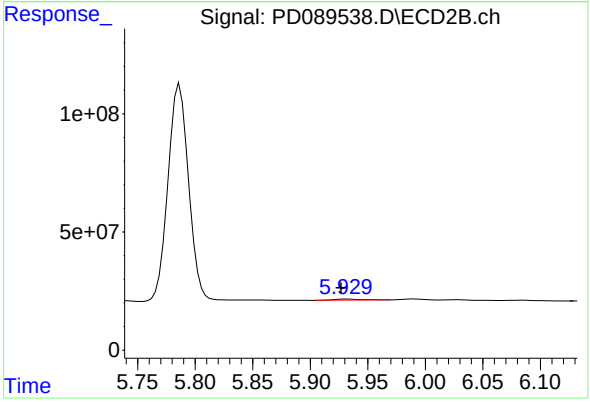
#14 Endrin

R.T.: 5.787 min
Delta R.T.: 0.000 min
Response: 1134667630
Conc: 46.92 ng/ml



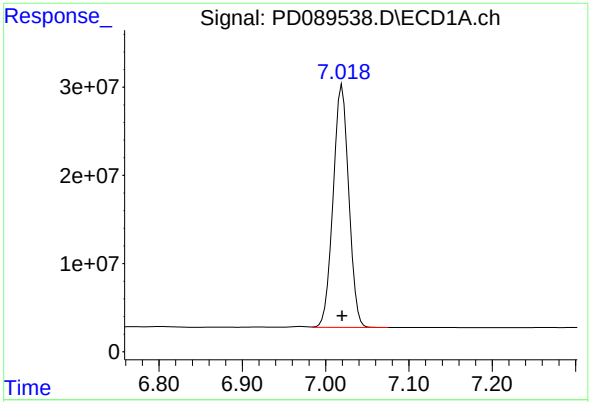
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 1269926
Conc: 0.37 ng/ml



#16 4,4'-DDD

R.T.: 5.931 min
Delta R.T.: 0.004 min
Response: 7637803
Conc: 0.35 ng/ml



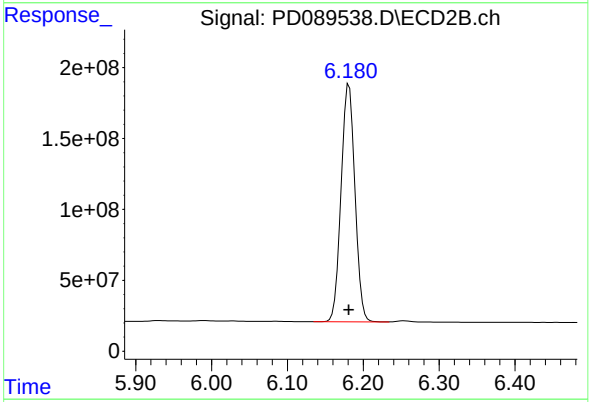
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 359179896
Conc: 95.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

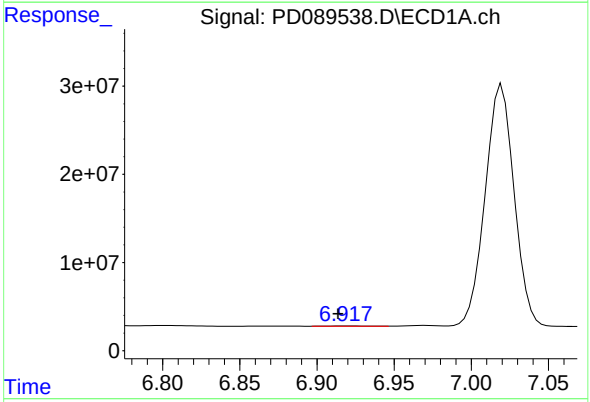
Manual Integrations
APPROVED

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



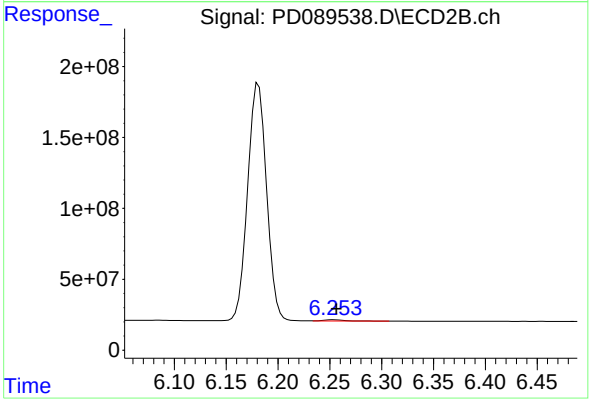
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 2130603297
Conc: 91.02 ng/ml



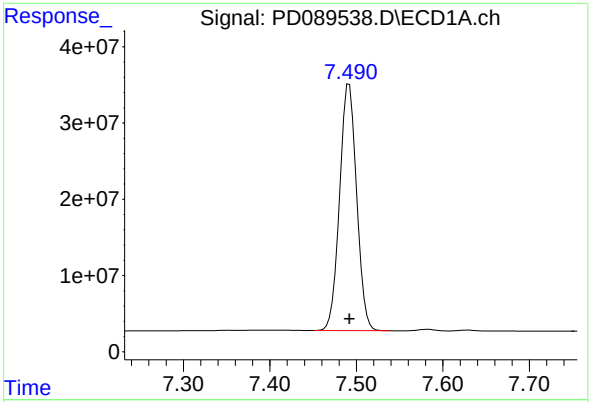
#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: 0.005 min
Response: 594479
Conc: 0.20 ng/ml



#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: -0.002 min
Response: 9624267
Conc: 0.58 ng/ml



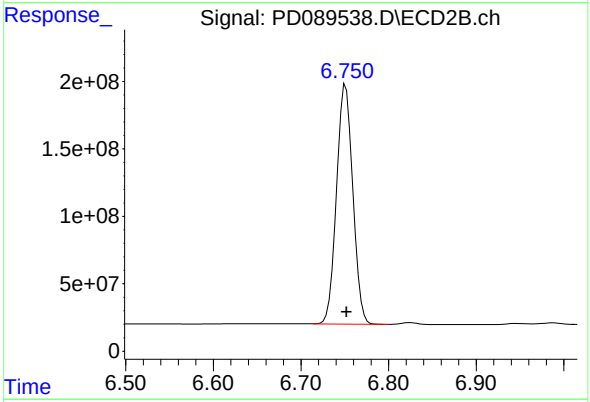
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 440313209
Conc: 219.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

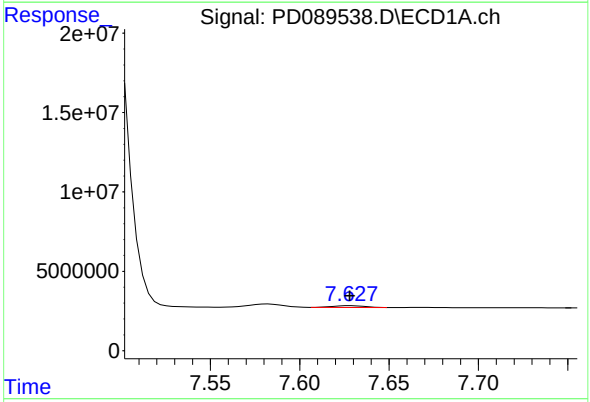
Manual Integrations
APPROVED

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



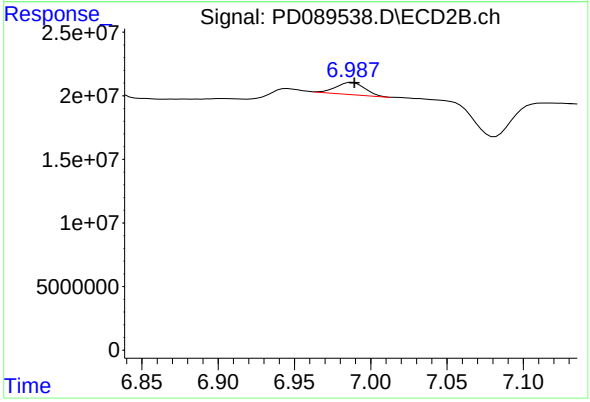
#20 Methoxychlor

R.T.: 6.751 min
Delta R.T.: 0.000 min
Response: 2299805464
Conc: 188.63 ng/ml



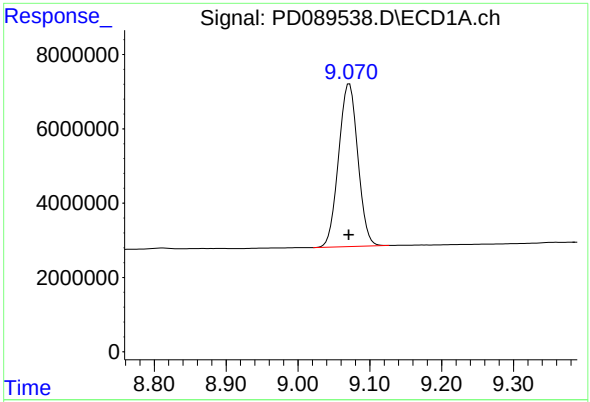
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 1393448
Conc: 0.35 ng/ml m



#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: -0.003 min
Response: 12580586
Conc: 0.51 ng/ml m



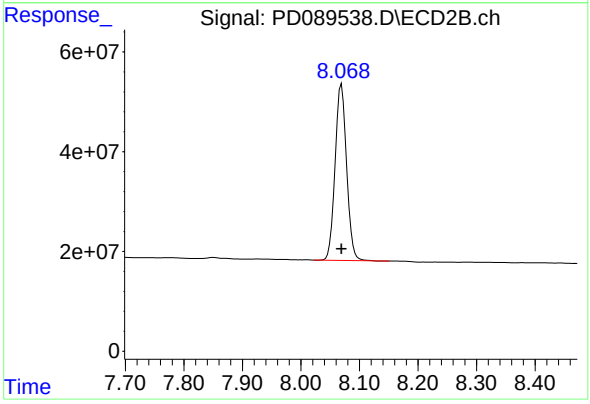
#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.001 min
Response: 81289525
Conc: 19.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 481497610
Conc: 19.60 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No. (PEM): PEM - PD089592.D **Date Analyzed:** 07/23/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:49

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.068	8.970	9.170	20.910	20.000	4.6
Tetrachloro-m-xylene	3.548	3.500	3.600	19.480	20.000	-2.6
alpha-BHC	3.997	3.950	4.050	9.330	10.000	-6.7
beta-BHC	4.514	4.460	4.560	10.470	10.000	4.7
gamma-BHC (Lindane)	4.328	4.280	4.380	9.810	10.000	-1.9
Endrin	6.571	6.500	6.640	50.820	50.000	1.6
4,4'-DDT	7.018	6.950	7.090	101.370	100.000	1.4
Methoxychlor	7.489	7.420	7.560	231.500	250.000	-7.4

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No. (PEM): PEM - PD089592.D **Date Analyzed:** 07/23/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:49

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.068	7.970	8.170	20.840	20.000	4.2
Tetrachloro-m-xylene	2.879	2.830	2.930	20.420	20.000	2.1
alpha-BHC	3.390	3.340	3.440	11.040	10.000	10.4
beta-BHC	4.023	3.970	4.070	10.980	10.000	9.8
gamma-BHC (Lindane)	3.727	3.680	3.780	10.930	10.000	9.3
Endrin	5.785	5.710	5.860	49.870	50.000	-0.3
4,4'-DDT	6.179	6.110	6.250	96.430	100.000	-3.6
Methoxychlor	6.750	6.680	6.820	196.580	250.000	-21.4

PEM

Data File: PD089592.D **Date Acquired** 7/23/2025 12:49

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.57	206960322.1	210232442.1	3272119.98	**1.56**
Endrin aldehyde	6.91	725325.809			
Endrin ketone	7.62	2546794.173			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	1206048626	1258637403	52588777	**4.18**
Endrin aldehyde #2	6.25	12253663.25			
Endrin ketone #2	6.98	40335113.72			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	382481486	384890850.9	2409364.82	**0.63**
4,4'-DDE	0.00	0			
4,4'-DDD	6.70	2409364.821			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	2257178002	2275030328	17852326	**0.78**
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.93	17852325.95			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089592.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 12:49
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:09:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.879	56117111	399.6E6	19.476	20.424
28)	SA Decachlor...	9.068	8.068	85866937	512.1E6	20.907	20.845
	Target Compounds						
2)	A alpha-BHC	3.997	3.390	53298254	331.8E6	9.335	11.042
3)	MA gamma-BHC...	4.328	3.727	54146111	303.5E6	9.814	10.934
6)	B beta-BHC	4.514	4.023	22580257	130.7E6	10.473	10.977
14)	MA Endrin	6.571	5.785	207.0E6	1206.0E6	50.818	49.875
16)	A 4,4'-DDD	6.700	5.927	2409365	17852326	0.711m	0.814
17)	MA 4,4'-DDT	7.018	6.179	382.5E6	2257.2E6	101.375	96.431
18)	B Endrin al...	6.915	6.252	725326	12253663	0.249	0.738 #
20)	A Methoxychlor	7.489	6.750	464.1E6	2396.7E6	231.501	196.584
21)	B Endrin ke...	7.624	6.984	2546794	40335114	0.633m	1.647m#

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

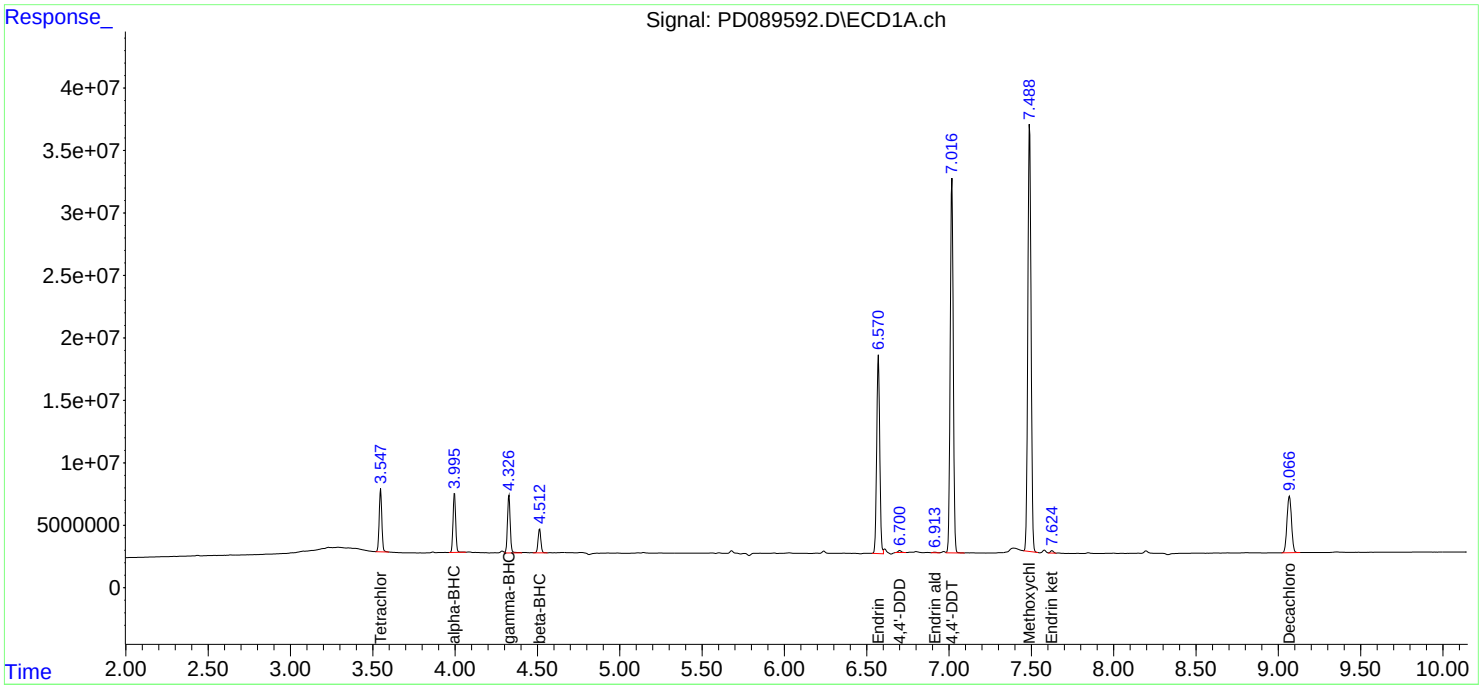
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089592.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 12:49
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

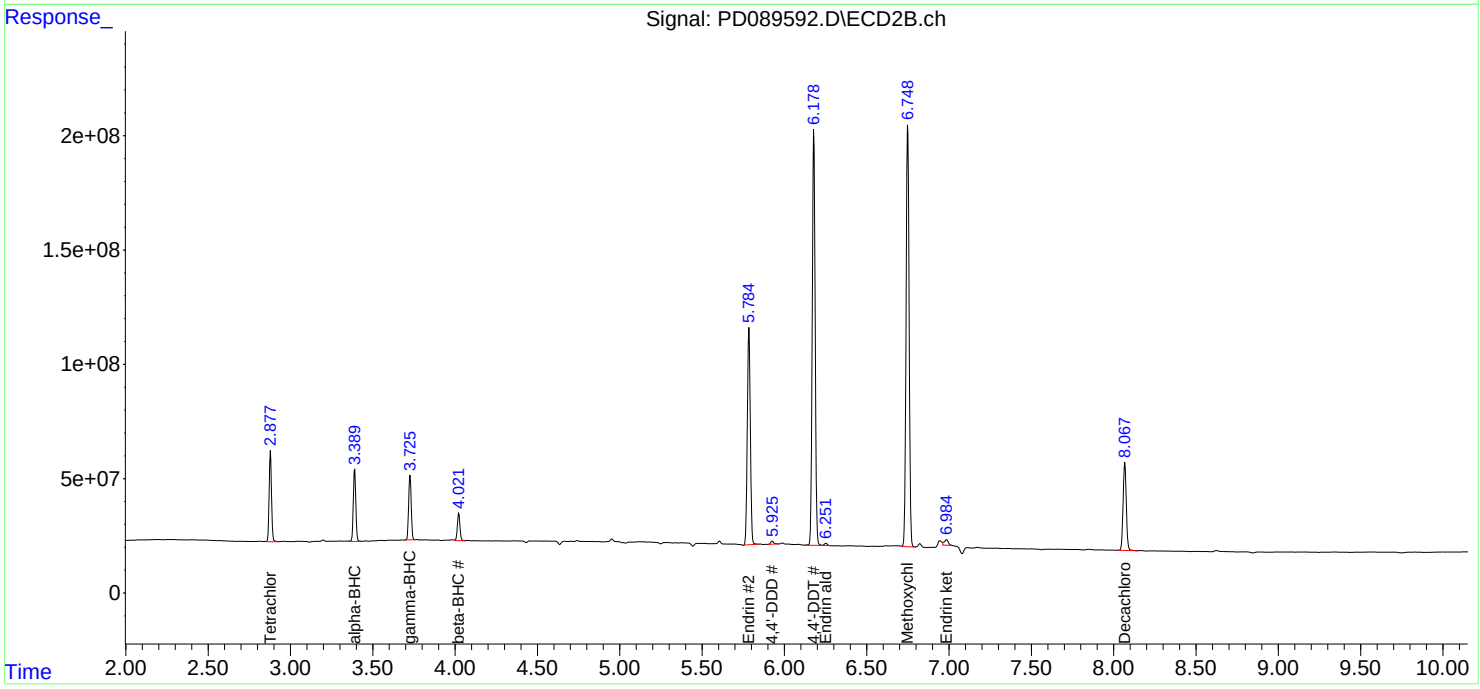
Instrument :
ECD_D
ClientSampleId :
PEM

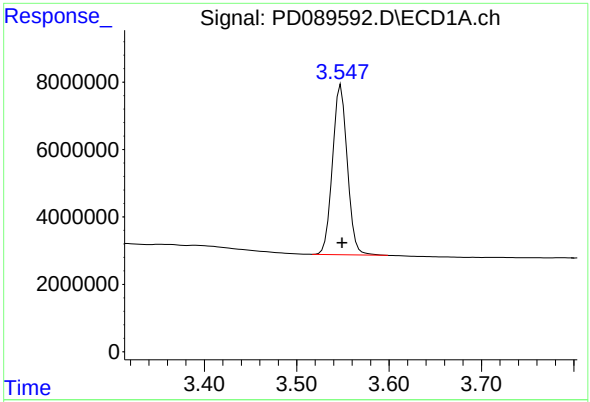
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/24/2025
Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:09:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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







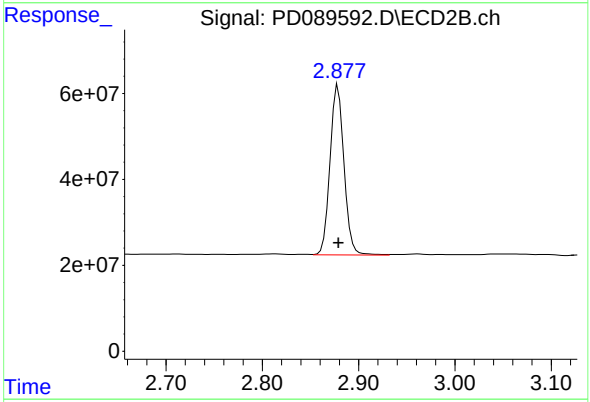
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: -0.001 min
Response: 56117111
Conc: 19.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

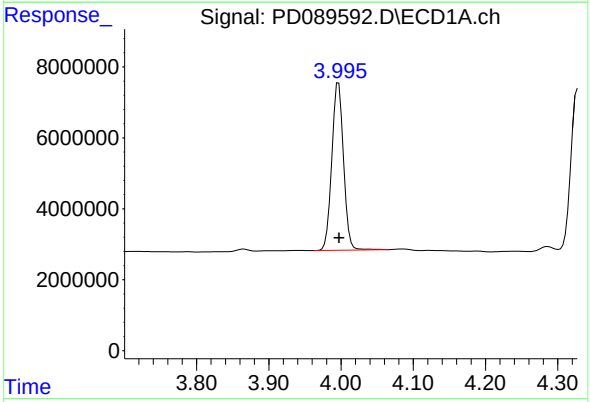
Manual Integrations
APPROVED

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



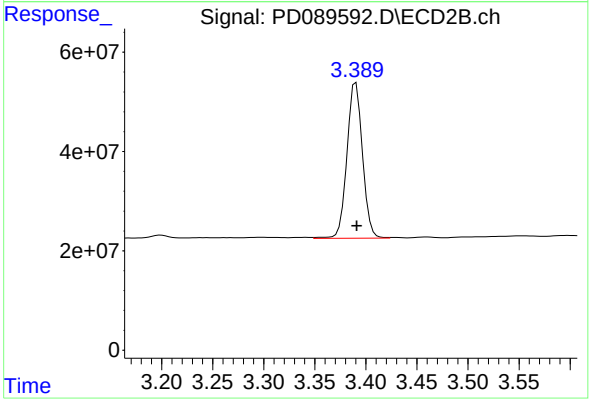
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 399614682
Conc: 20.42 ng/ml



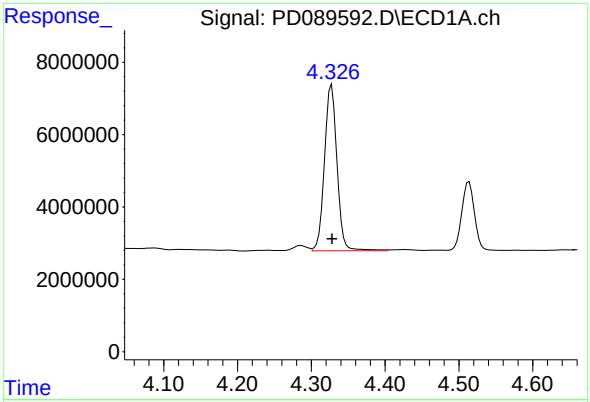
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 53298254
Conc: 9.33 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 331757110
Conc: 11.04 ng/ml



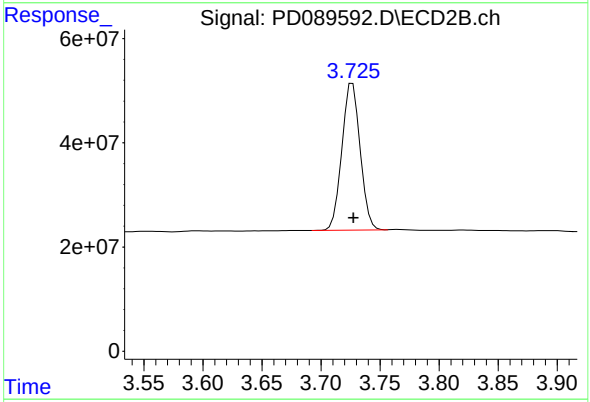
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 54146111
Conc: 9.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

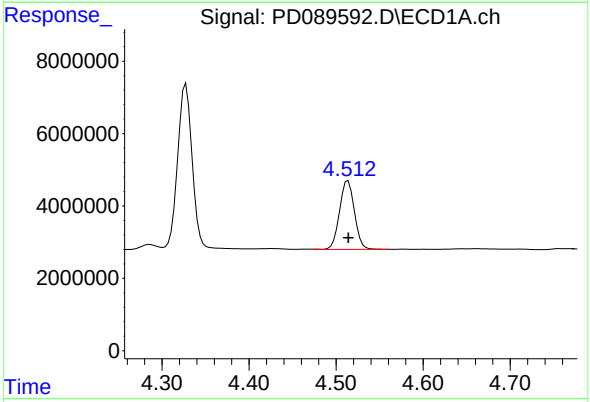
Manual Integrations
APPROVED

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



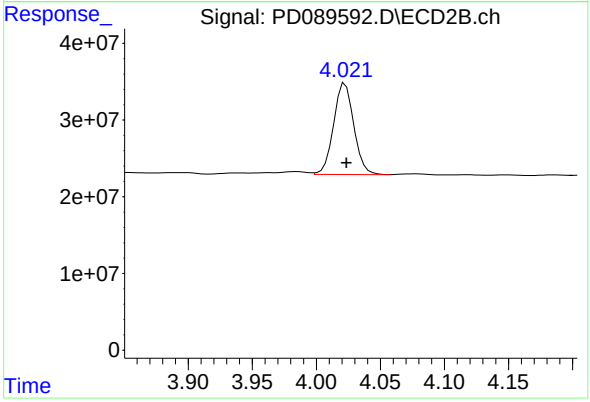
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 303540312
Conc: 10.93 ng/ml



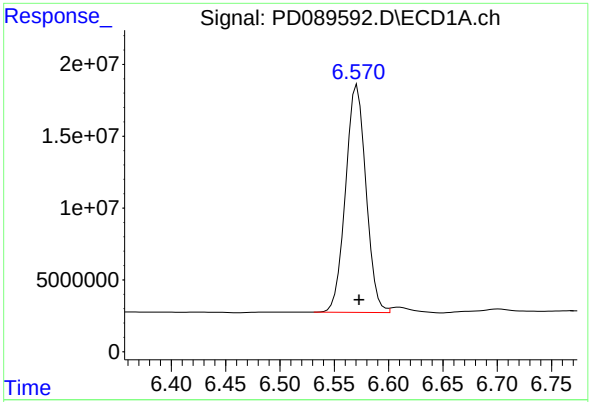
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 22580257
Conc: 10.47 ng/ml



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 130654966
Conc: 10.98 ng/ml



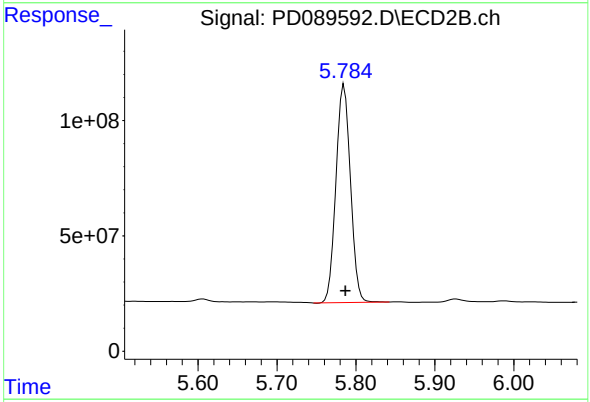
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 206960322
Conc: 50.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

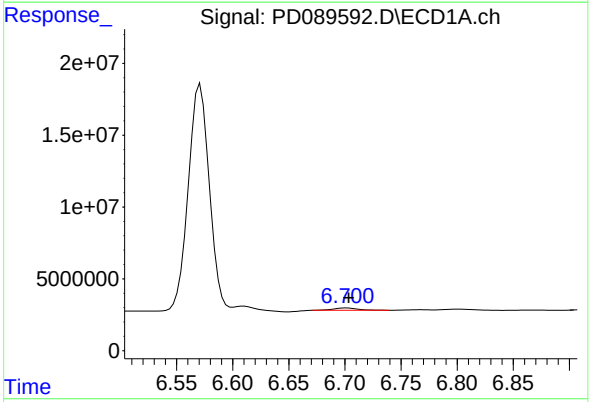
Manual Integrations APPROVED

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



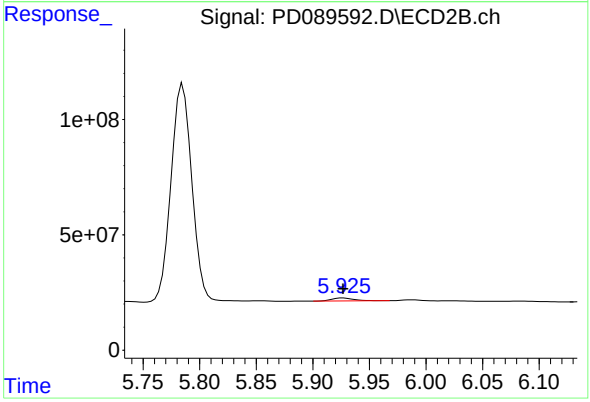
#14 Endrin

R.T.: 5.785 min
Delta R.T.: -0.002 min
Response: 1206048626
Conc: 49.87 ng/ml



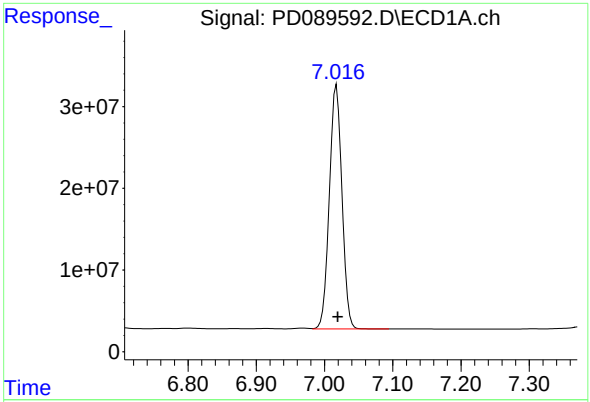
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.003 min
Response: 2409365
Conc: 0.71 ng/ml m



#16 4,4'-DDD

R.T.: 5.927 min
Delta R.T.: 0.000 min
Response: 17852326
Conc: 0.81 ng/ml



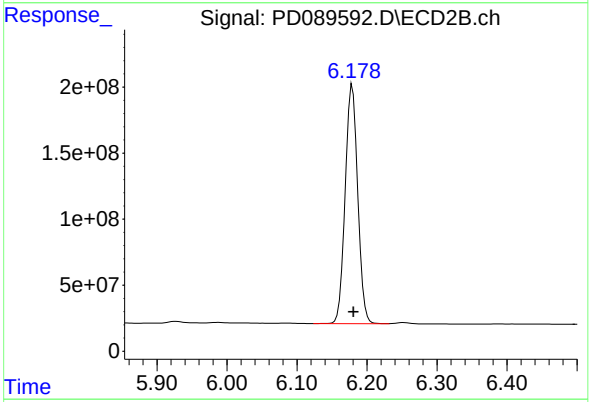
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: -0.002 min
Response: 382481486
Conc: 101.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

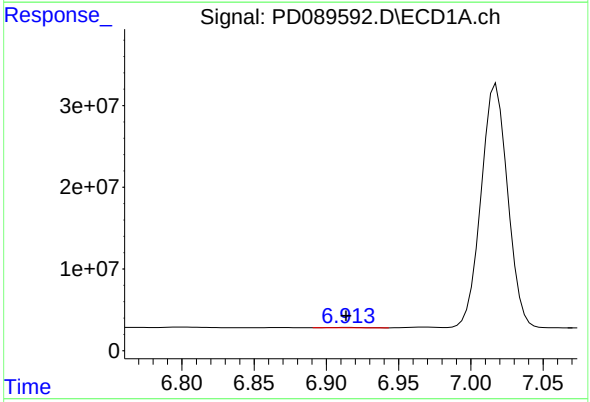
Manual Integrations
APPROVED

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



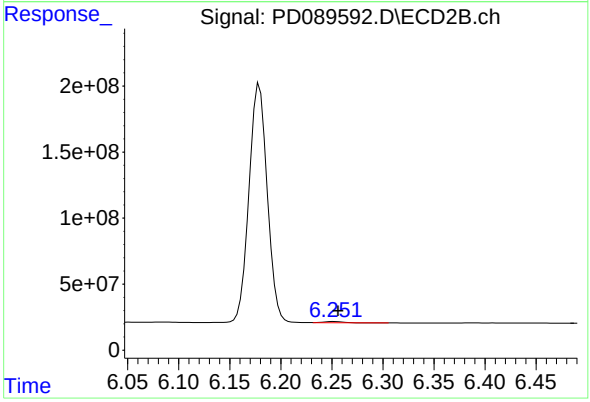
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 2257178002
Conc: 96.43 ng/ml



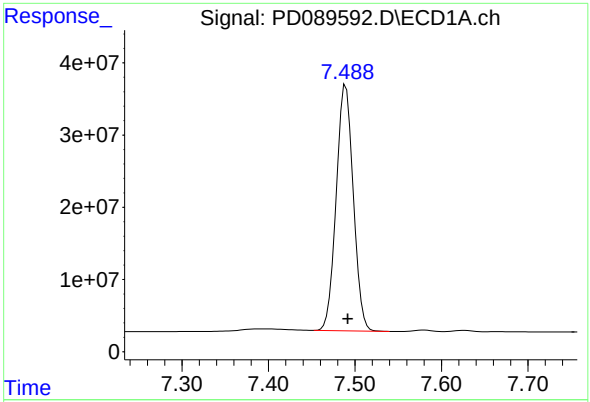
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.001 min
Response: 725326
Conc: 0.25 ng/ml



#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: -0.004 min
Response: 12253663
Conc: 0.74 ng/ml



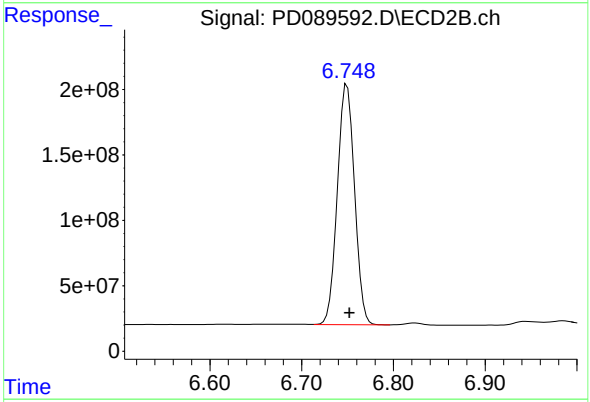
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: -0.002 min
Response: 464134137
Conc: 231.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

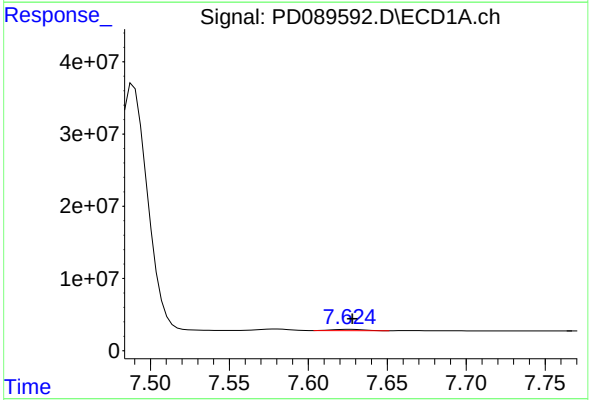
Manual Integrations APPROVED

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



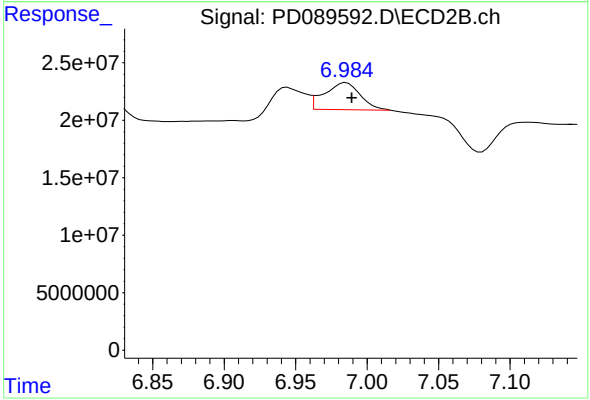
#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: -0.002 min
Response: 2396738028
Conc: 196.58 ng/ml



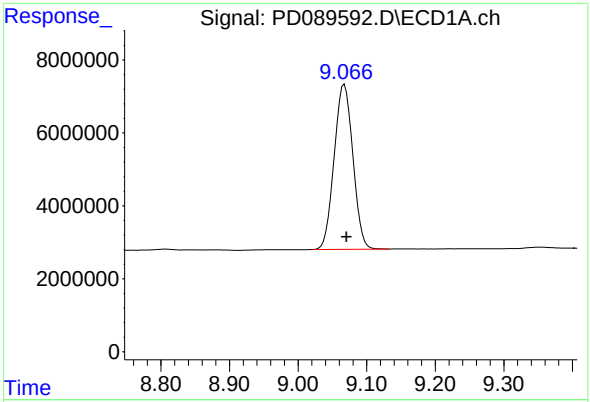
#21 Endrin ketone

R.T.: 7.624 min
Delta R.T.: -0.004 min
Response: 2546794
Conc: 0.63 ng/ml m



#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: -0.005 min
Response: 40335114
Conc: 1.65 ng/ml m



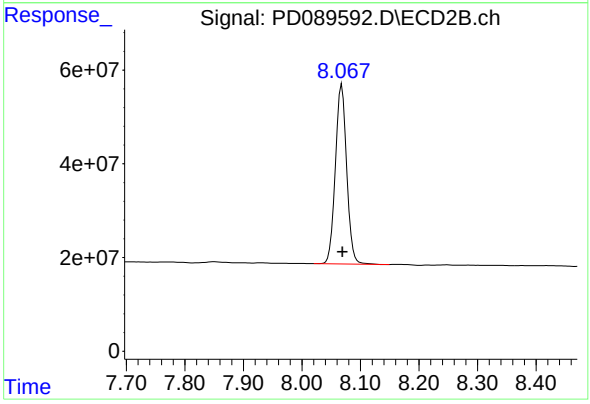
#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 85866937
Conc: 20.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: -0.001 min
Response: 512120464
Conc: 20.84 ng/ml

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.:** Q2639

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No. (PEM): PEM - PD089623.D **Date Analyzed:** 07/24/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:01

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.067	8.970	9.170	20.400	20.000	2.0
Tetrachloro-m-xylene	3.548	3.500	3.600	21.210	20.000	6.1
alpha-BHC	3.997	3.950	4.050	10.160	10.000	1.6
beta-BHC	4.514	4.460	4.560	11.310	10.000	13.1
gamma-BHC (Lindane)	4.328	4.280	4.380	10.480	10.000	4.8
Endrin	6.570	6.500	6.640	51.270	50.000	2.5
4,4'-DDT	7.018	6.950	7.090	74.630	100.000	-25.4
Methoxychlor	7.490	7.420	7.560	183.400	250.000	-26.6

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/21/2025 07/21/2025

Client Sample No. (PEM): PEM - PD089623.D **Date Analyzed:** 07/24/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:01

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.066	7.970	8.170	19.690	20.000	-1.6
Tetrachloro-m-xylene	2.878	2.830	2.930	22.060	20.000	10.3
alpha-BHC	3.390	3.340	3.440	11.810	10.000	18.1
beta-BHC	4.022	3.970	4.070	11.750	10.000	17.5
gamma-BHC (Lindane)	3.726	3.680	3.780	11.490	10.000	14.9
Endrin	5.785	5.710	5.860	50.660	50.000	1.3
4,4'-DDT	6.178	6.110	6.250	74.270	100.000	-25.7
Methoxychlor	6.749	6.680	6.820	159.470	250.000	-36.2

PEM

Data File: PD089623.D **Date Acquired** 7/24/2025 11:01

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.57	208814037.4	217035995.9	8221958.46	**3.79**
Endrin aldehyde	6.91	1254951.672			
Endrin ketone	7.63	6967006.791			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	1224966244	1298339987	73373742.7	**5.65**
Endrin aldehyde #2	6.25	15296614.85			
Endrin ketone #2	6.99	58077127.83			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	281561711.7	318197661.8	36635950	**11.51**
4,4'-DDE	6.19	570853.269			
4,4'-DDD	6.70	36065096.77			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	1738335469	1977451519	239116051	**12.09**
4,4'-DDE #2	5.37	4760195.265			
4,4'-DDD #2	5.92	234355855.4			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072525\
Data File : PD089623.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 11:01
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:30:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	61099723	431.6E6	21.205	22.057	
28)	SA Decachlor...	9.067	8.066	83798741	483.8E6	20.404	19.691	
	Target Compounds							
2)	A alpha-BHC	3.997	3.390	58008093	354.8E6	10.160	11.808	
3)	MA gamma-BHC...	4.328	3.726	57827845	319.0E6	10.481	11.490	
6)	B beta-BHC	4.514	4.022	24391872	139.9E6	11.313	11.751	
12)	B 4,4'-DDE	6.191	5.371	570853	4760195	0.133	0.181	#
14)	MA Endrin	6.570	5.785	208.8E6	1225.0E6	51.273	50.657	
16)	A 4,4'-DDD	6.701	5.925	36065097	234.4E6	10.643	10.690	
17)	MA 4,4'-DDT	7.018	6.178	281.6E6	1738.3E6	74.627	74.265	
18)	B Endrin al...	6.912	6.253	1254952	15296615	0.430	0.922	#
20)	A Methoxychlor	7.490	6.749	367.7E6	1944.3E6	183.401	159.472	
21)	B Endrin ke...	7.626	6.986	6967007	58077128	1.731	2.372	#

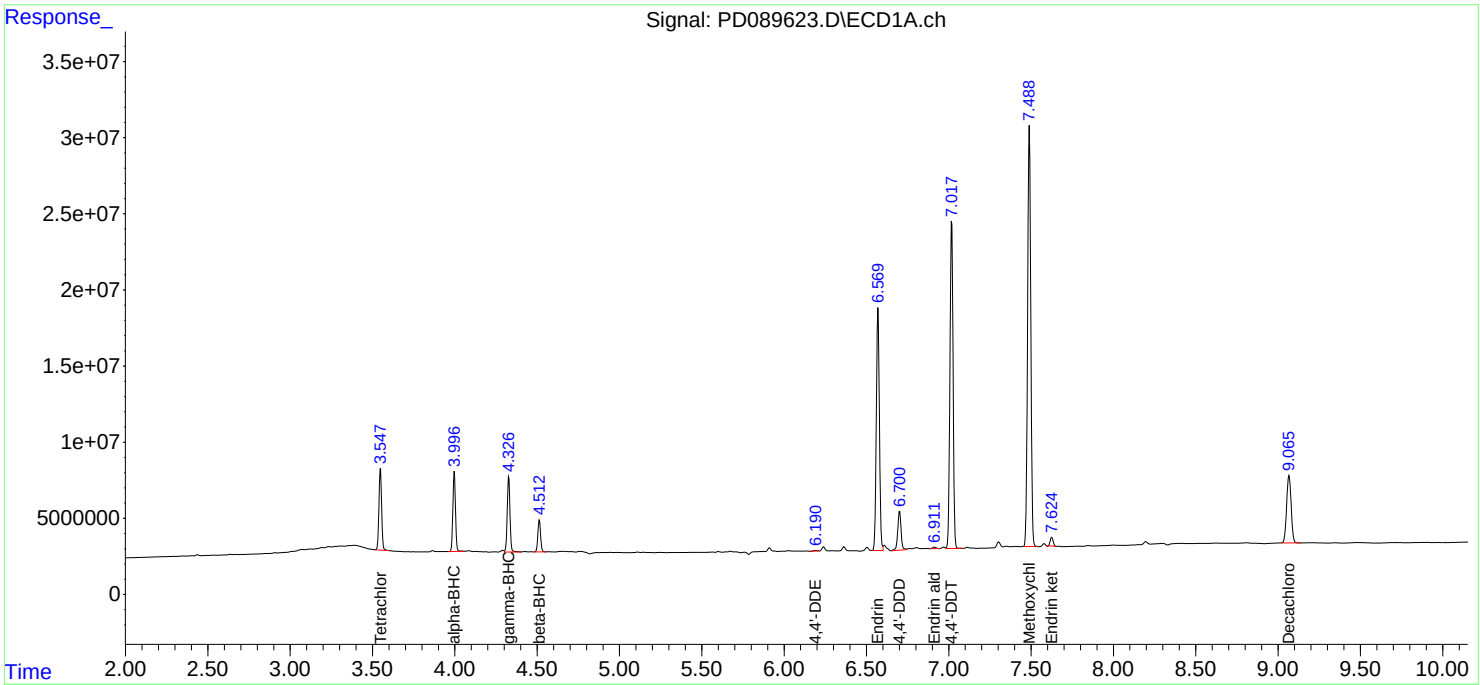
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

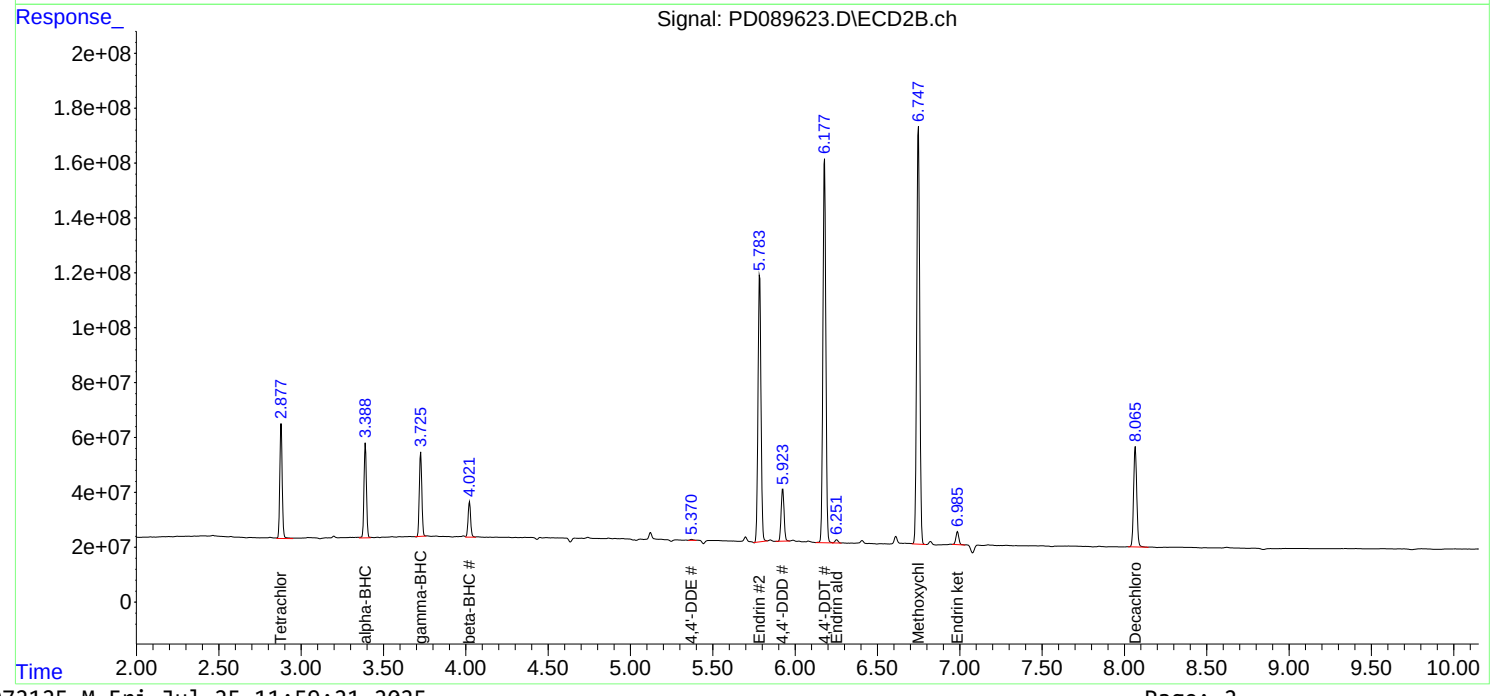
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072525\
Data File : PD089623.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 11:01
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

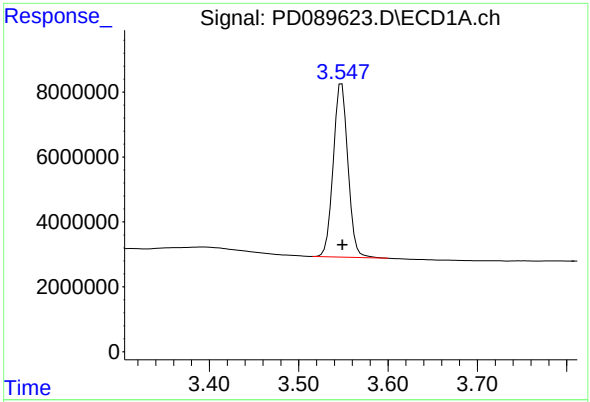
Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:30:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



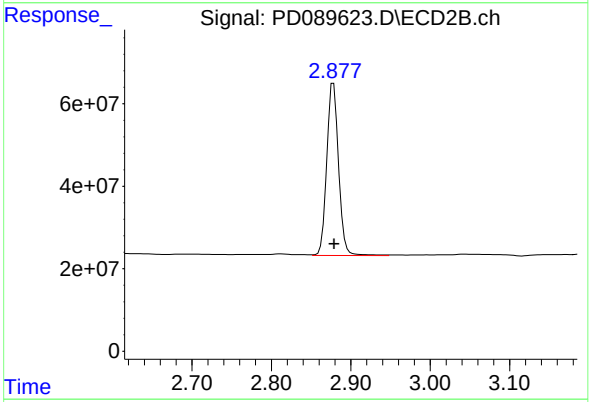




#1 Tetrachloro-m-xylene

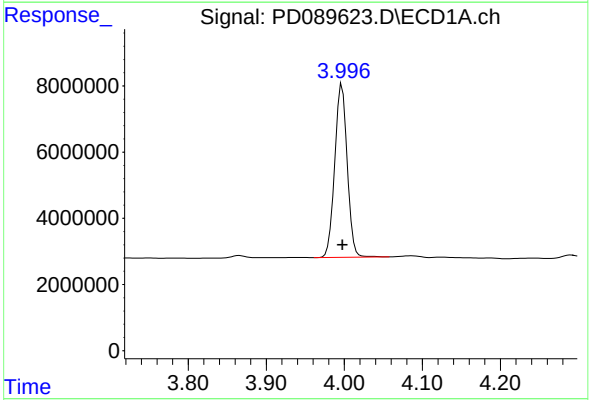
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 61099723
Conc: 21.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



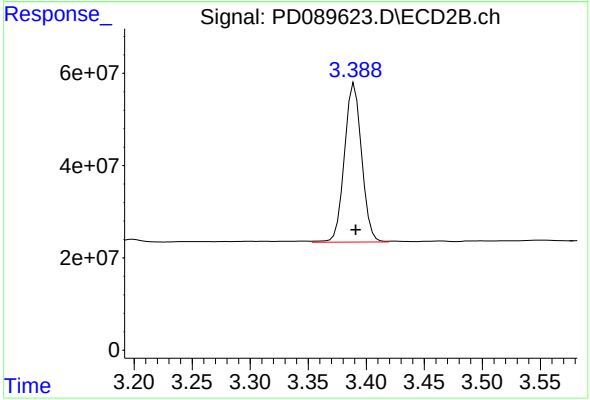
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 431561097
Conc: 22.06 ng/ml



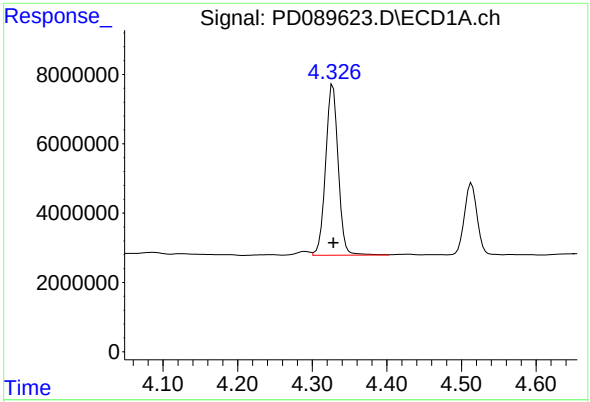
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 58008093
Conc: 10.16 ng/ml



#2 alpha-BHC

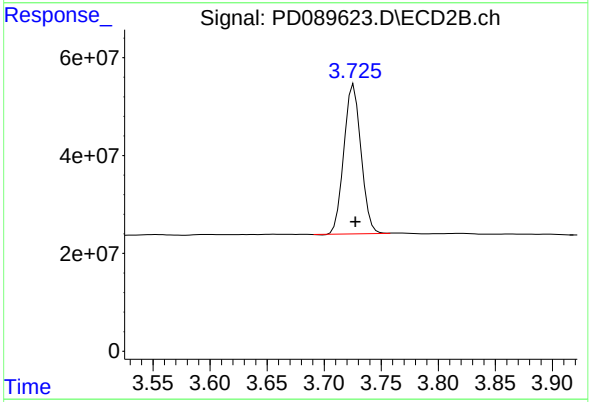
R.T.: 3.390 min
Delta R.T.: -0.001 min
Response: 354772933
Conc: 11.81 ng/ml



#3 gamma-BHC (Lindane)

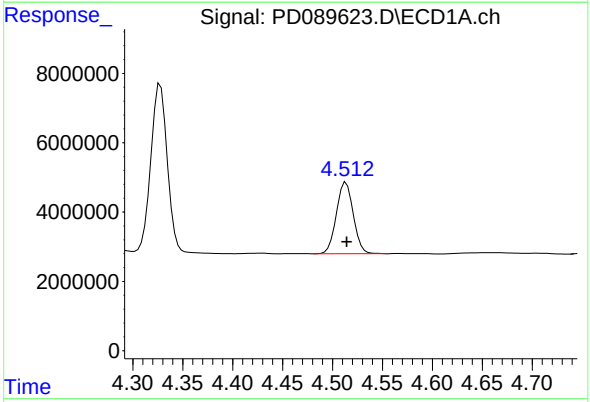
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 57827845
Conc: 10.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



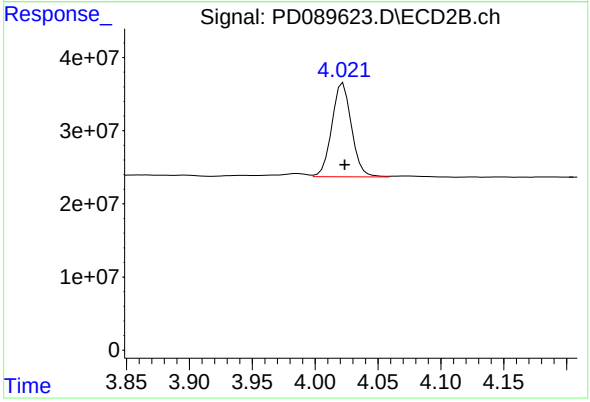
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: -0.001 min
Response: 318999076
Conc: 11.49 ng/ml



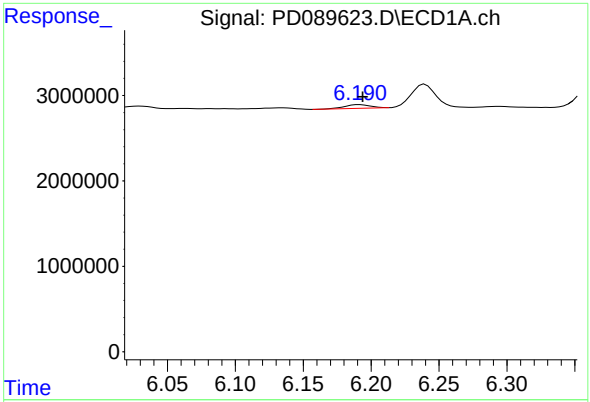
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 24391872
Conc: 11.31 ng/ml



#6 beta-BHC

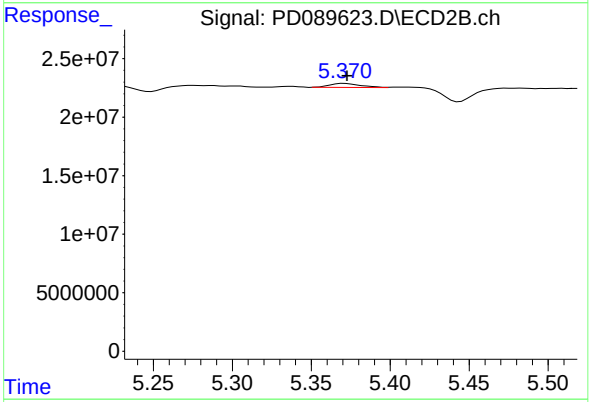
R.T.: 4.022 min
Delta R.T.: -0.001 min
Response: 139863311
Conc: 11.75 ng/ml



#12 4,4'-DDE

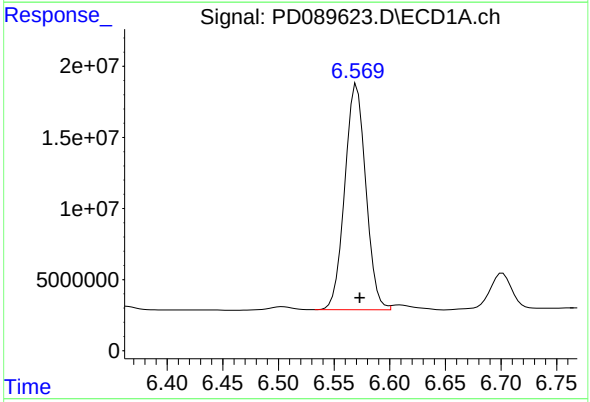
R.T.: 6.191 min
Delta R.T.: -0.002 min
Response: 570853
Conc: 0.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



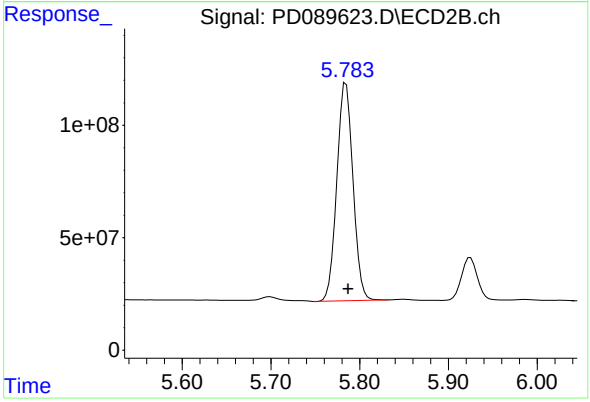
#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: -0.002 min
Response: 4760195
Conc: 0.18 ng/ml



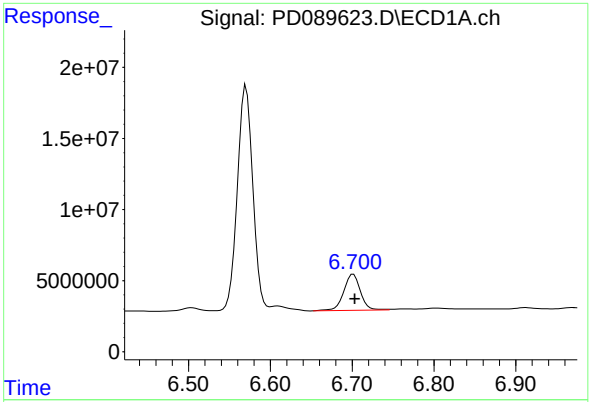
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.003 min
Response: 208814037
Conc: 51.27 ng/ml



#14 Endrin

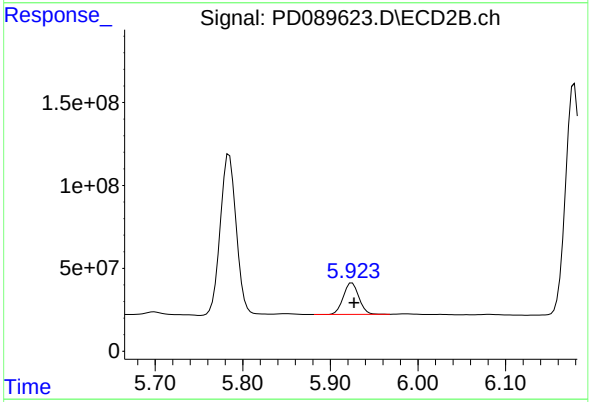
R.T.: 5.785 min
Delta R.T.: -0.002 min
Response: 1224966244
Conc: 50.66 ng/ml



#16 4,4'-DDD

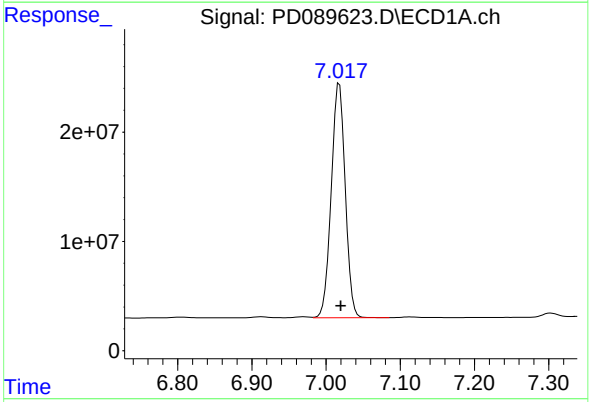
R.T.: 6.701 min
Delta R.T.: -0.002 min
Response: 36065097
Conc: 10.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



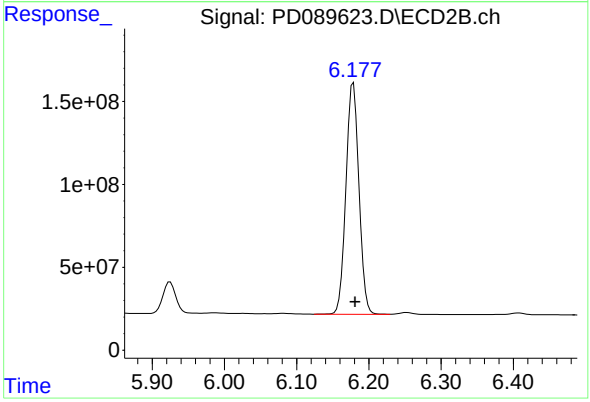
#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: -0.002 min
Response: 234355855
Conc: 10.69 ng/ml



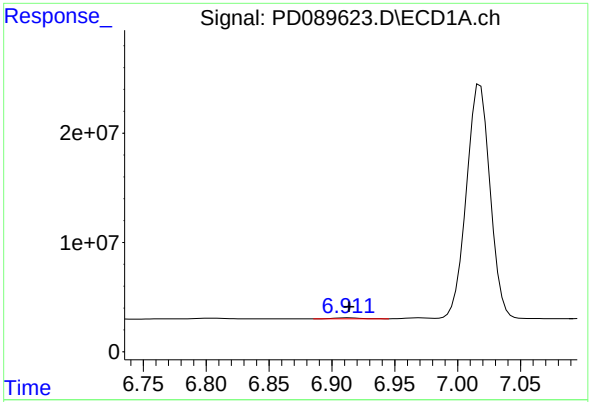
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: -0.002 min
Response: 281561712
Conc: 74.63 ng/ml



#17 4,4'-DDT

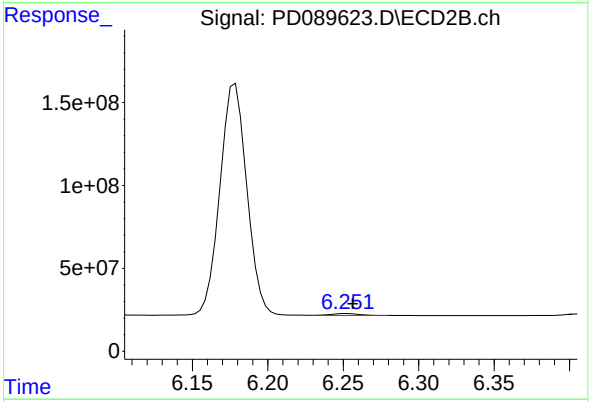
R.T.: 6.178 min
Delta R.T.: -0.002 min
Response: 1738335469
Conc: 74.27 ng/ml



#18 Endrin aldehyde

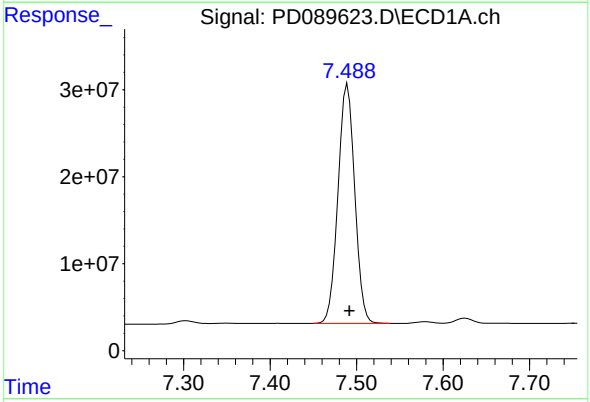
R.T.: 6.912 min
Delta R.T.: -0.001 min
Response: 1254952
Conc: 0.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



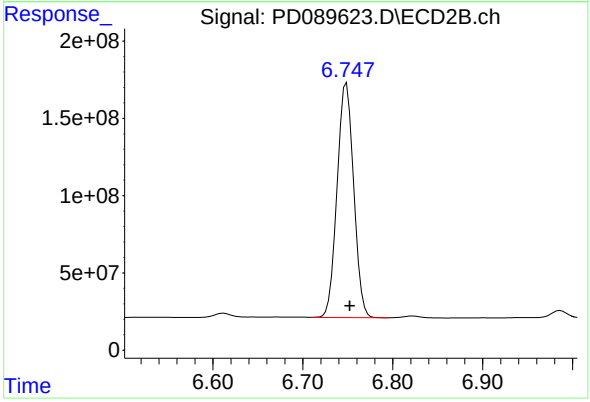
#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: -0.004 min
Response: 15296615
Conc: 0.92 ng/ml



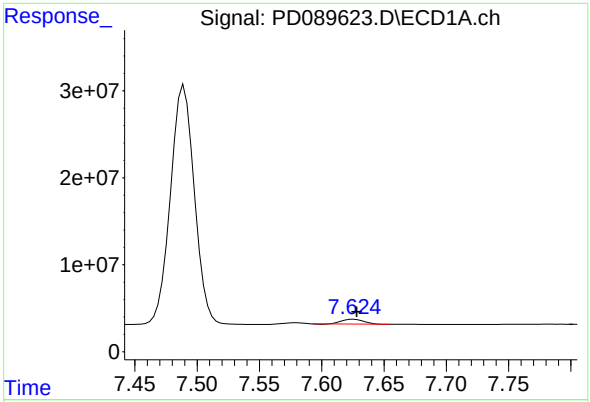
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: -0.002 min
Response: 367699866
Conc: 183.40 ng/ml



#20 Methoxychlor

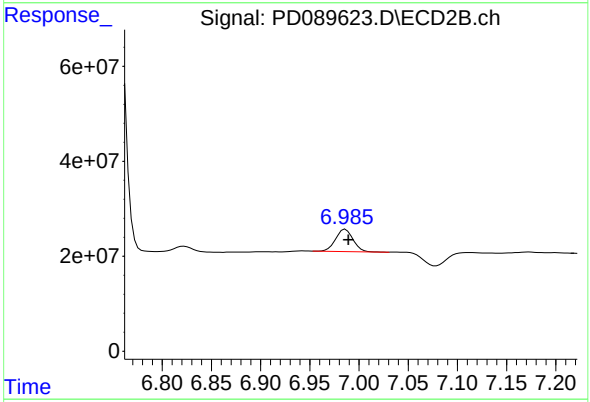
R.T.: 6.749 min
Delta R.T.: -0.003 min
Response: 1944266640
Conc: 159.47 ng/ml



#21 Endrin ketone

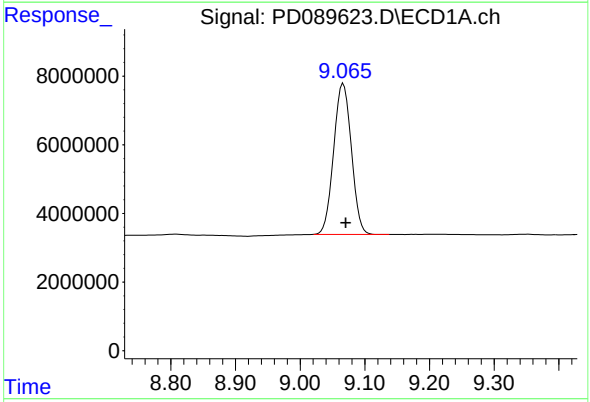
R.T.: 7.626 min
Delta R.T.: -0.002 min
Response: 6967007
Conc: 1.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



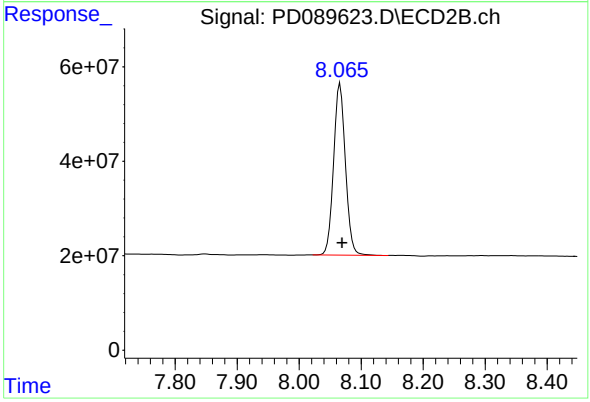
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: -0.003 min
Response: 58077128
Conc: 2.37 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: -0.004 min
Response: 83798741
Conc: 20.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.003 min
Response: 483778264
Conc: 19.69 ng/ml

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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.

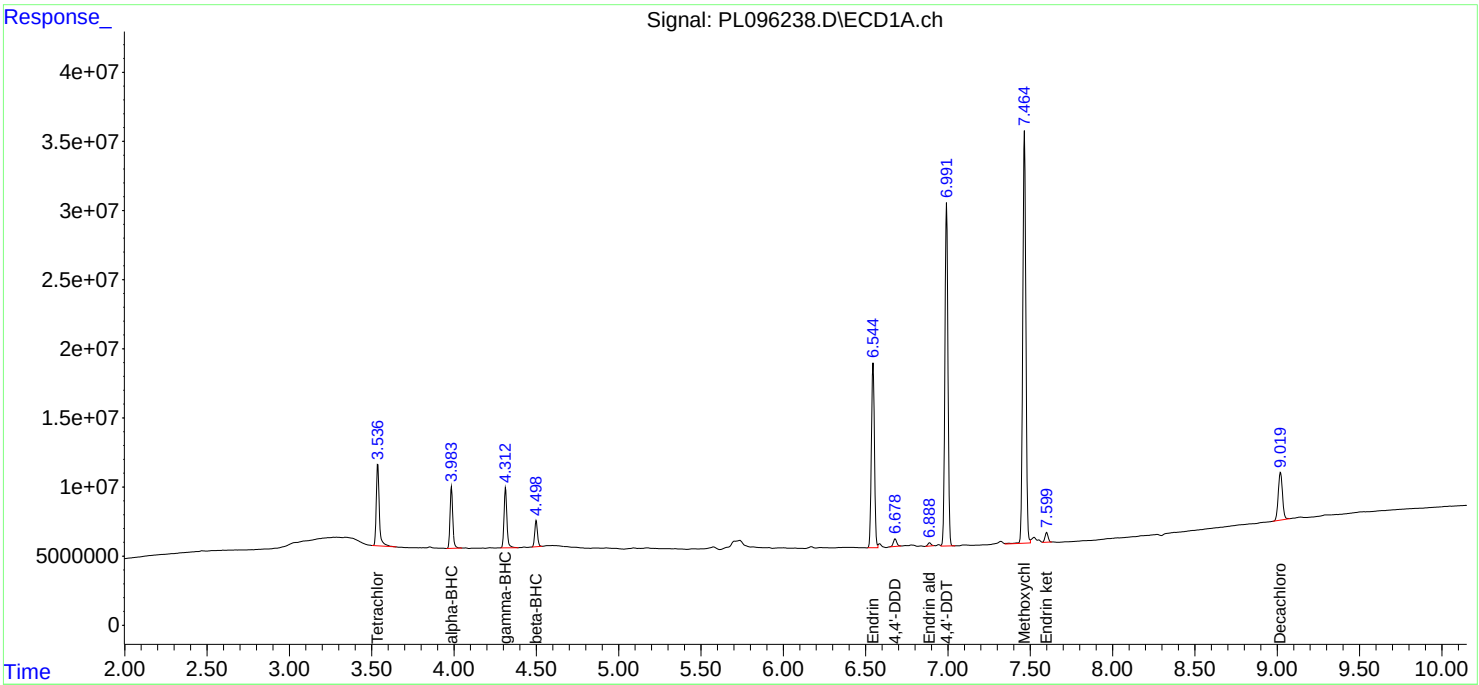
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096238.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:26
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

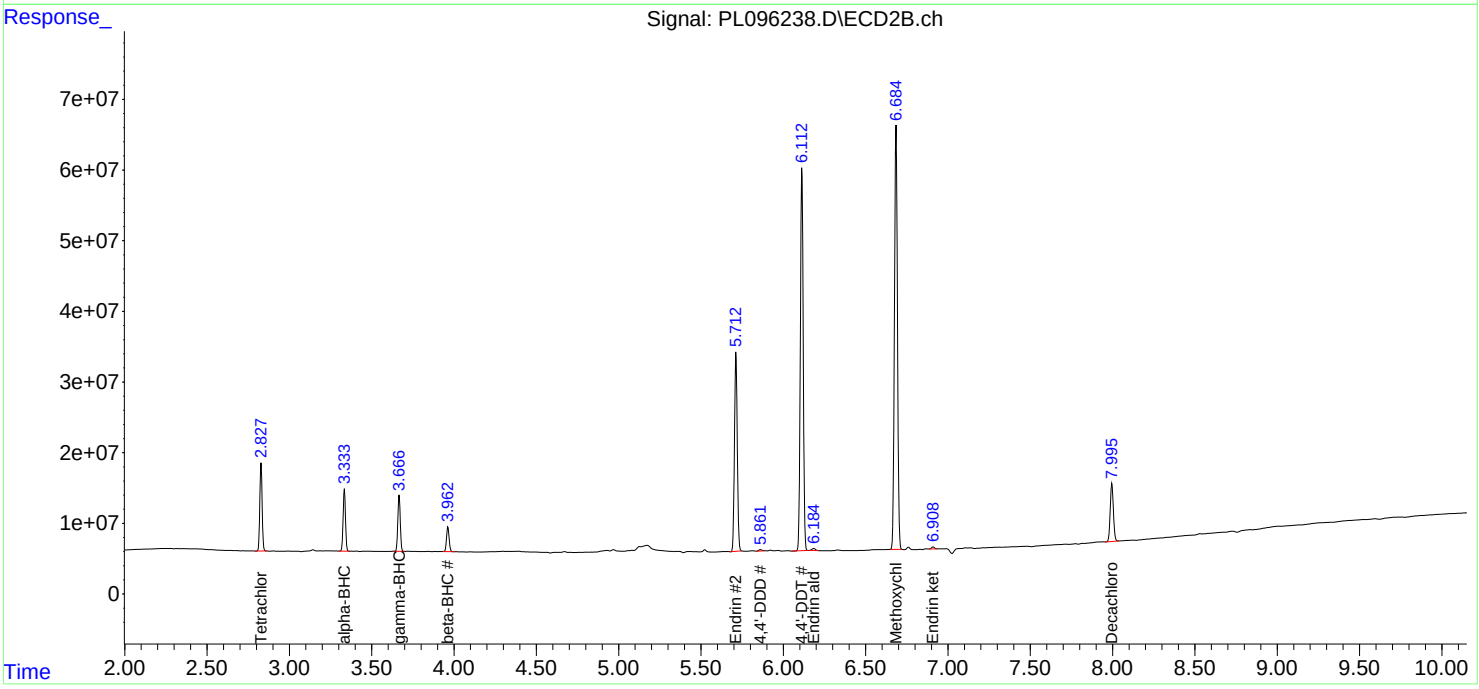
Instrument :
ECD_L
ClientSampleId :
PEM

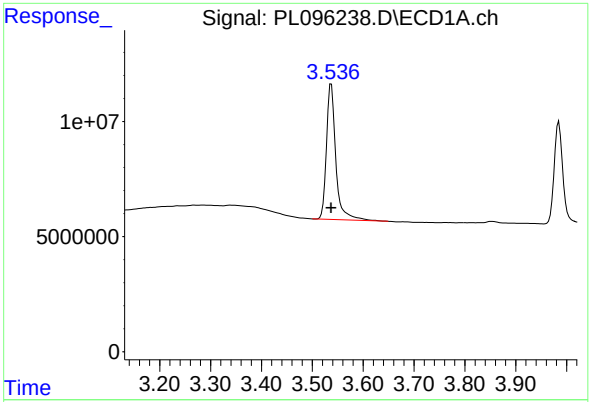
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

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







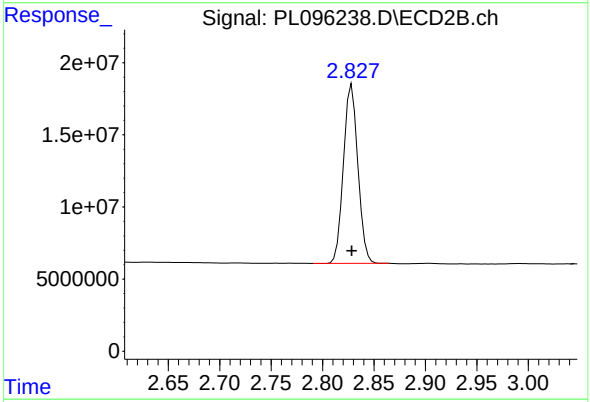
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 75321177
Conc: 20.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

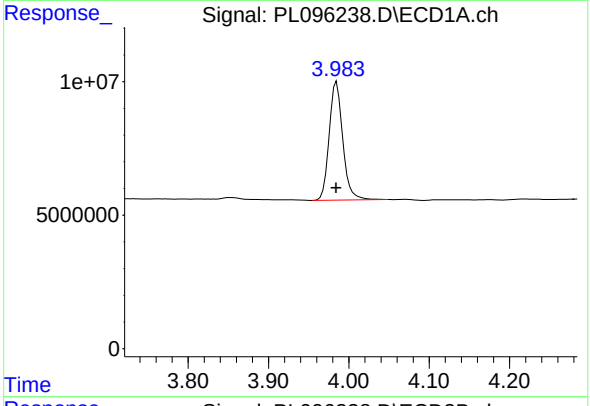
Manual Integrations APPROVED

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



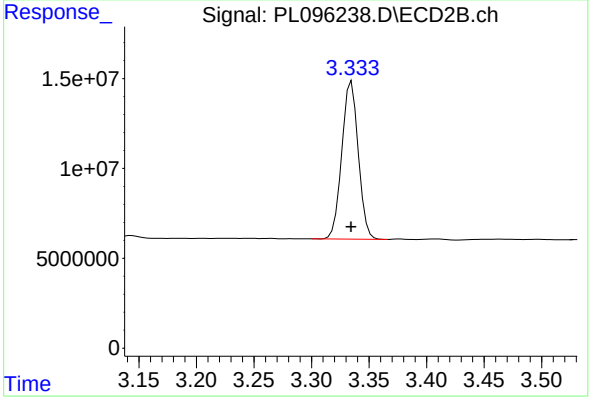
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 121250157
Conc: 21.01 ng/ml



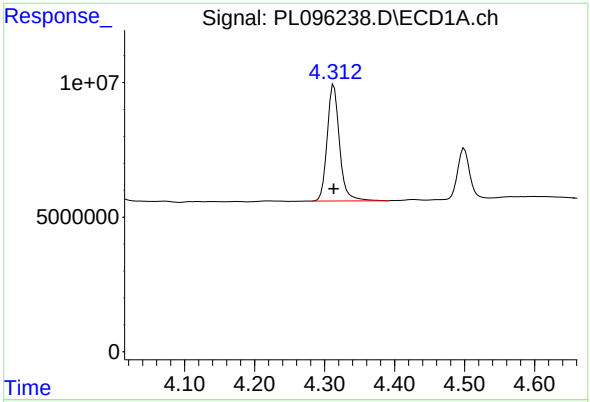
#2 alpha-BHC

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



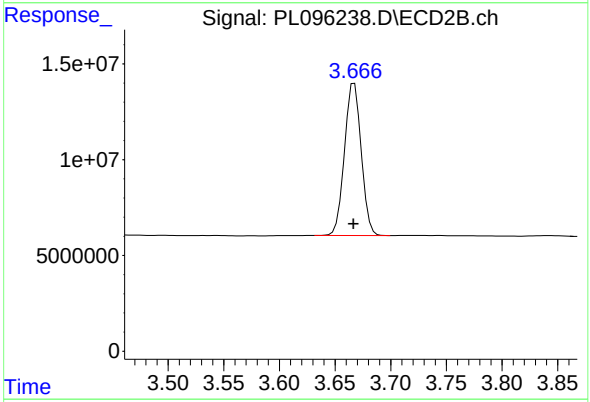
#3 gamma-BHC (Lindane)

R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 52975484
Conc: 10.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

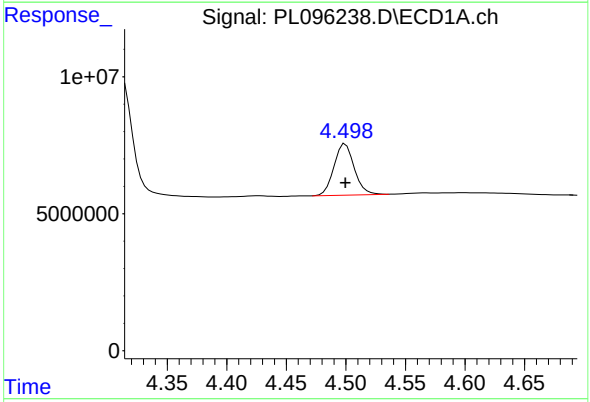
Manual Integrations APPROVED

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



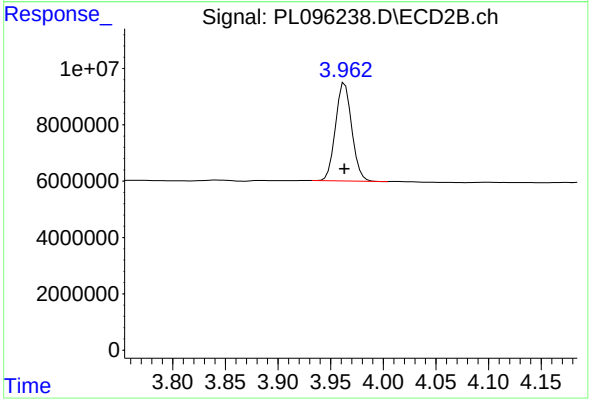
#3 gamma-BHC (Lindane)

R.T.: 3.667 min
Delta R.T.: 0.000 min
Response: 83194325
Conc: 10.56 ng/ml



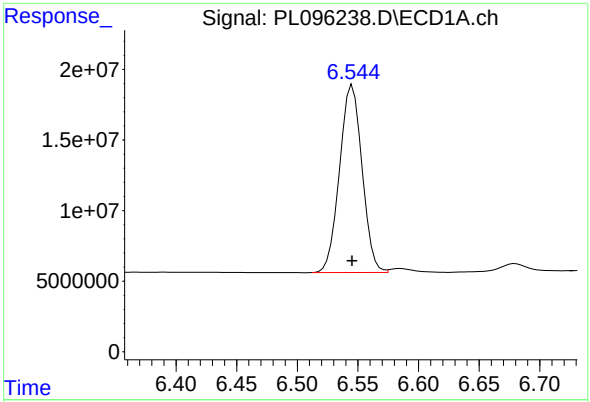
#6 beta-BHC

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



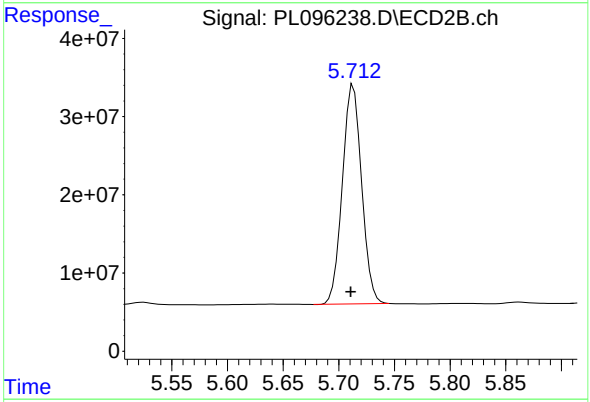
#14 Endrin

R.T.: 6.546 min
Delta R.T.: 0.000 min
Response: 171686207
Conc: 55.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

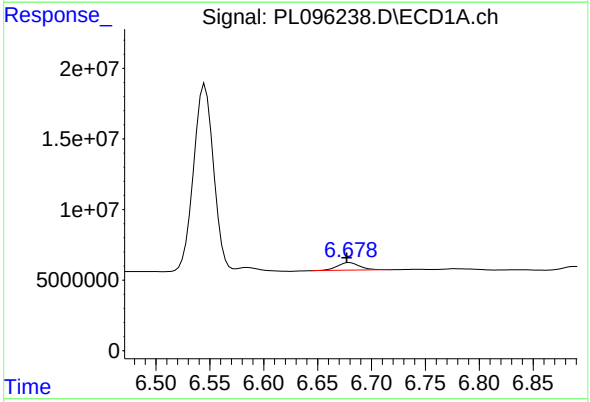
Manual Integrations
APPROVED

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



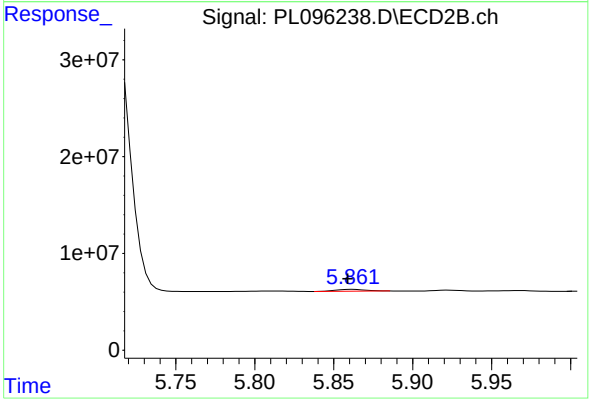
#14 Endrin

R.T.: 5.713 min
Delta R.T.: 0.002 min
Response: 337605121
Conc: 55.38 ng/ml



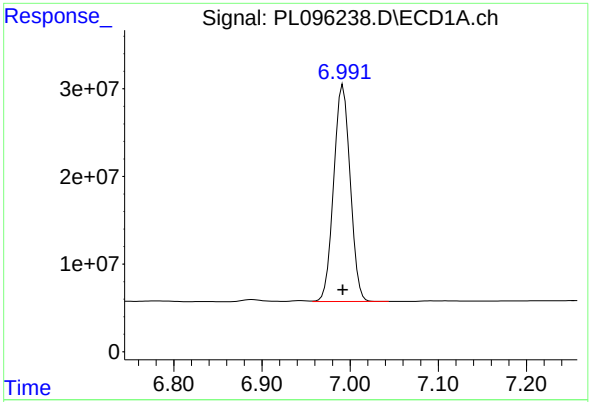
#16 4,4'-DDD

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



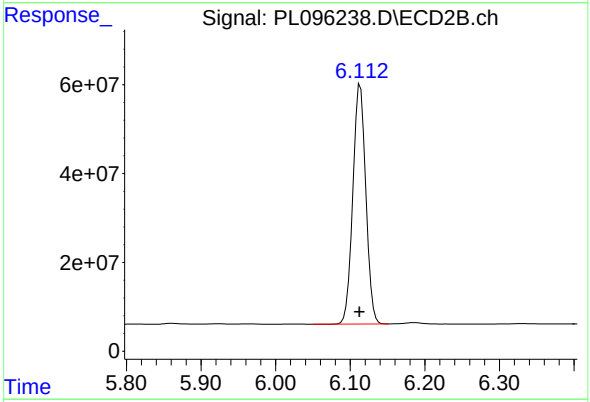
#17 4,4'-DDT

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 321893056
Conc: 106.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

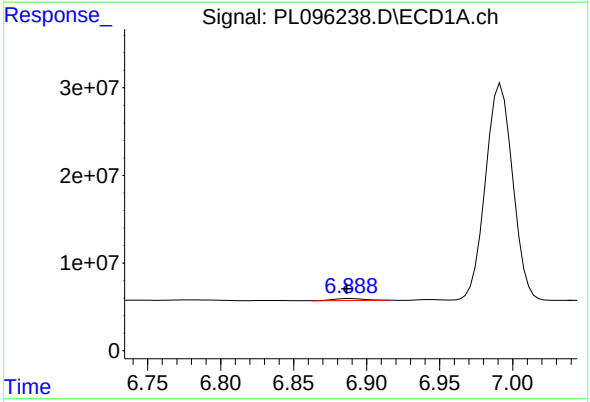
Manual Integrations
APPROVED

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



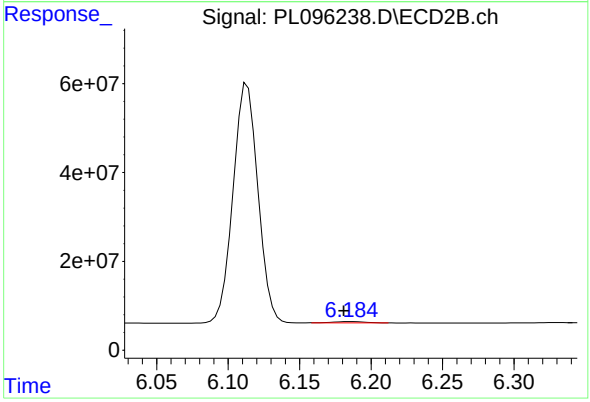
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 652208058
Conc: 113.72 ng/ml



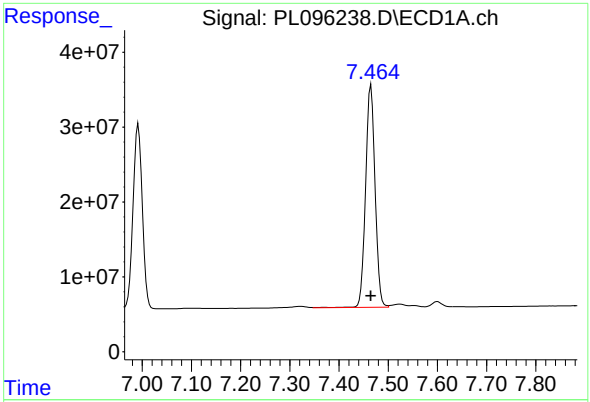
#18 Endrin aldehyde

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



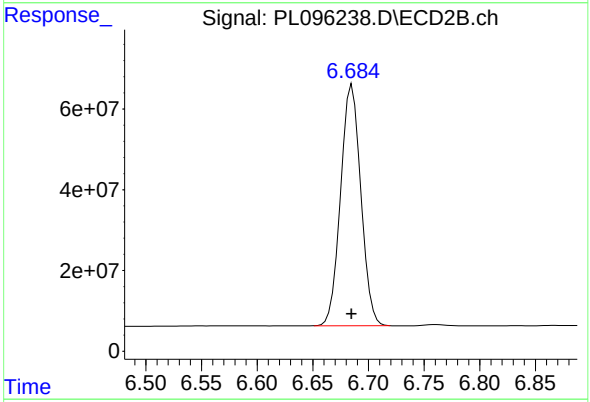
#20 Methoxychlor

R.T.: 7.465 min
Delta R.T.: 0.000 min
Response: 396812893
Conc: 251.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

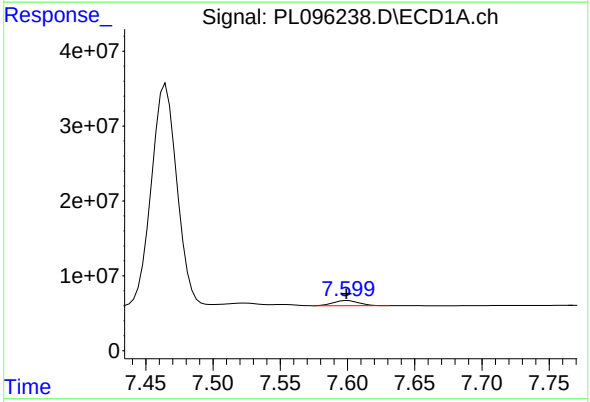
Manual Integrations
APPROVED

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



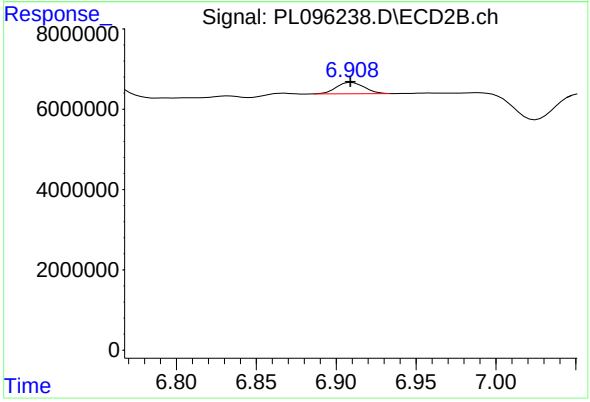
#20 Methoxychlor

R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 755922283
Conc: 248.84 ng/ml



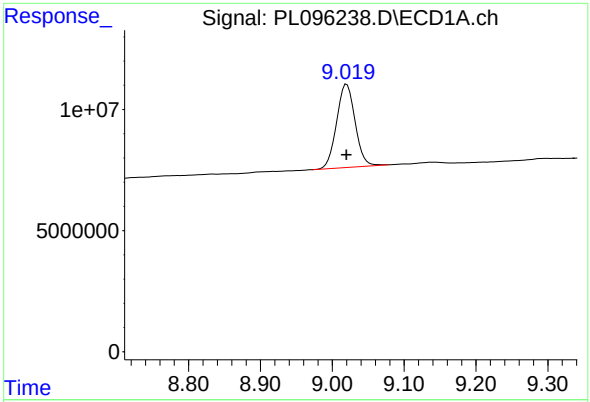
#21 Endrin ketone

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



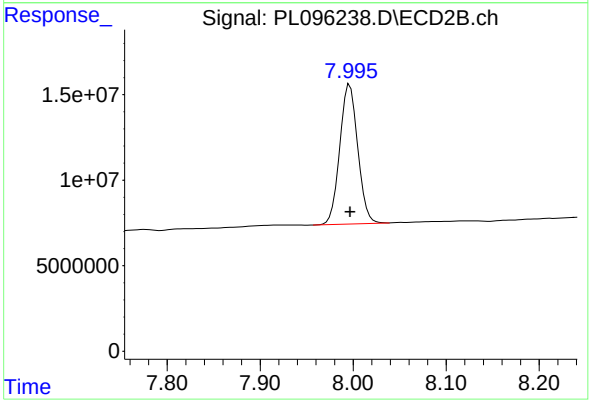
#28 Decachlorobiphenyl

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.:** Q2639

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.

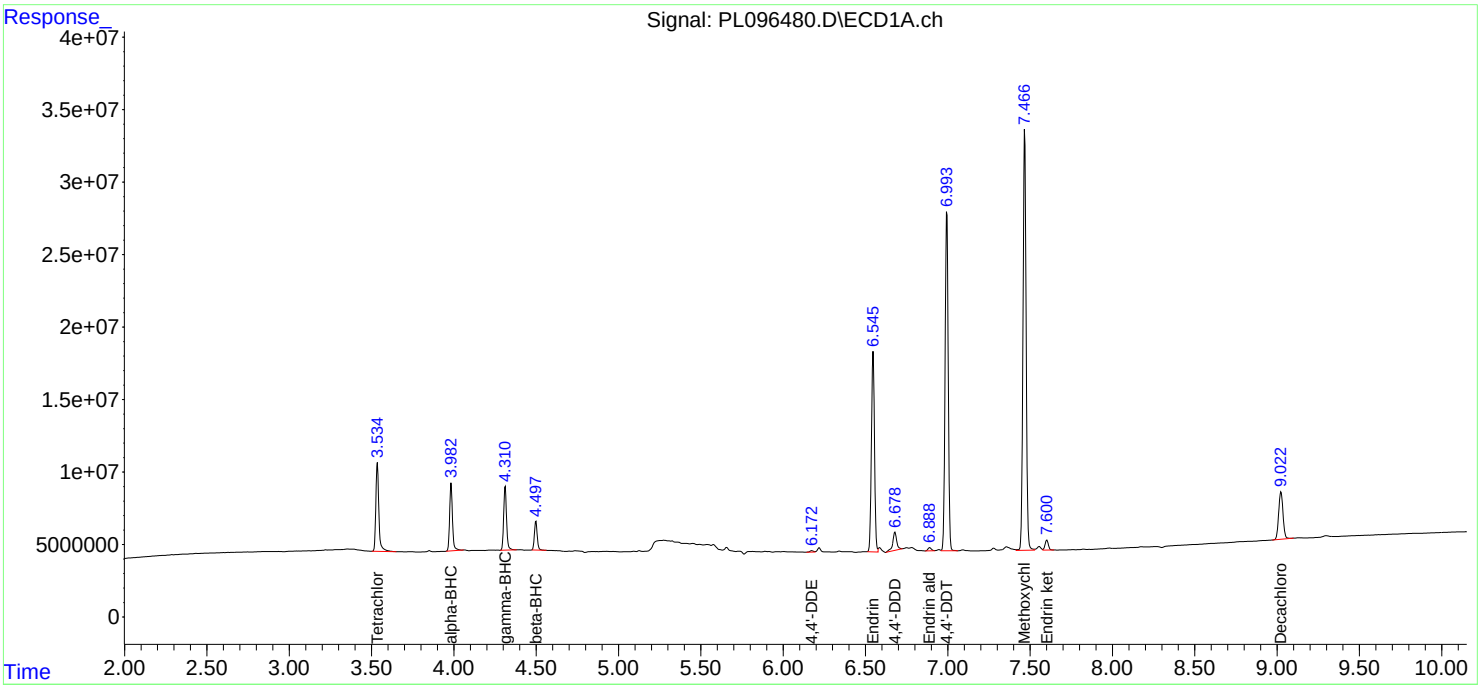
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096480.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:30
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

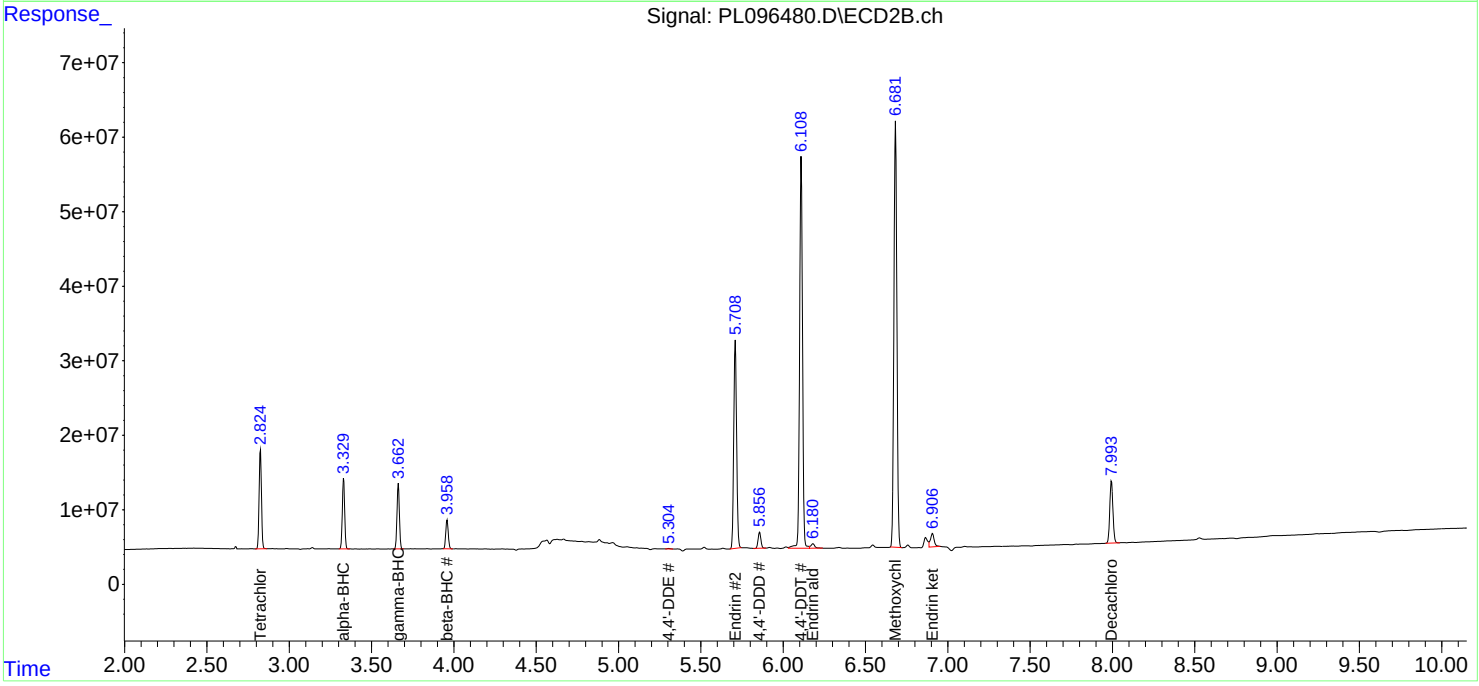
Instrument :
ECD_L
ClientSampleId :
PEM

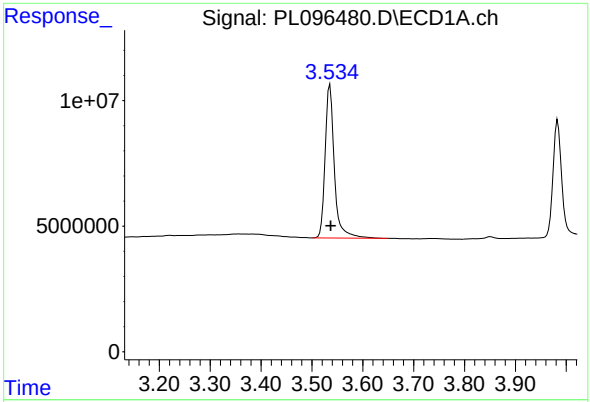
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

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







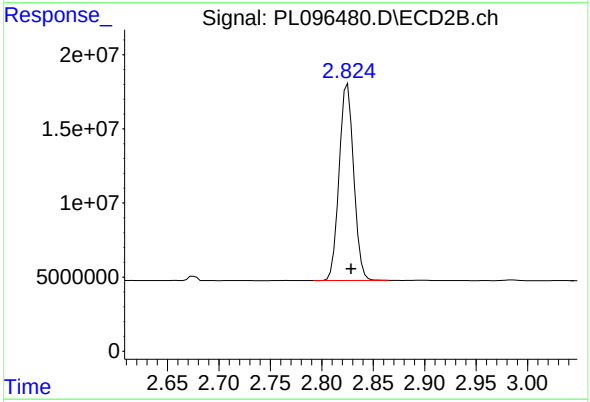
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 77296470
Conc: 21.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

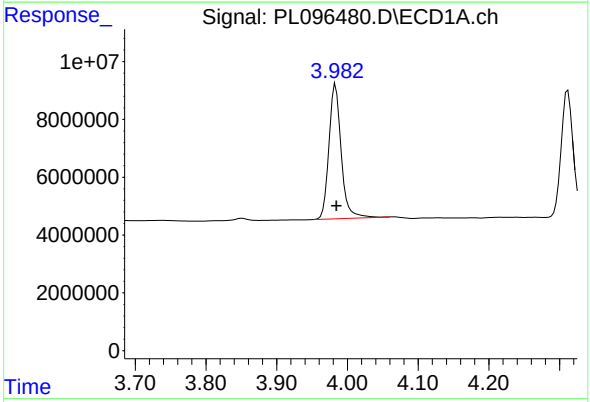
Manual Integrations APPROVED

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



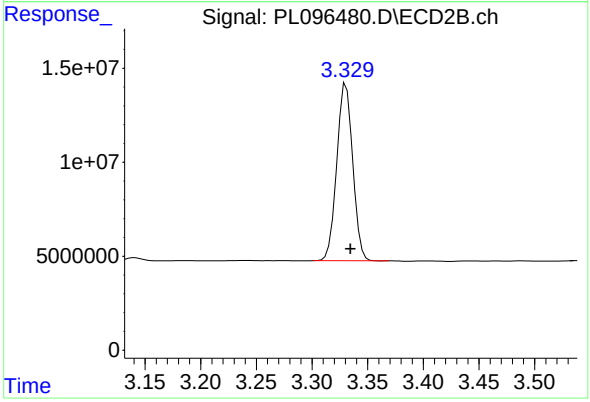
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 130429757
Conc: 22.60 ng/ml



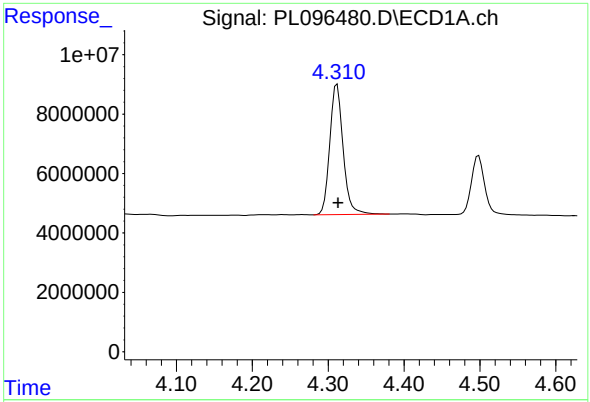
#2 alpha-BHC

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



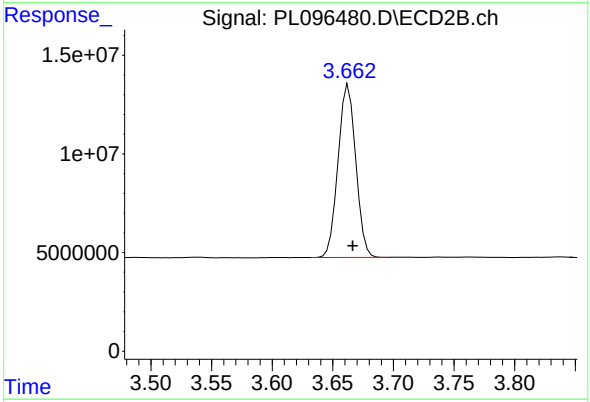
#3 gamma-BHC (Lindane)

R.T.: 4.312 min
Delta R.T.: -0.001 min
Response: 53569568
Conc: 10.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

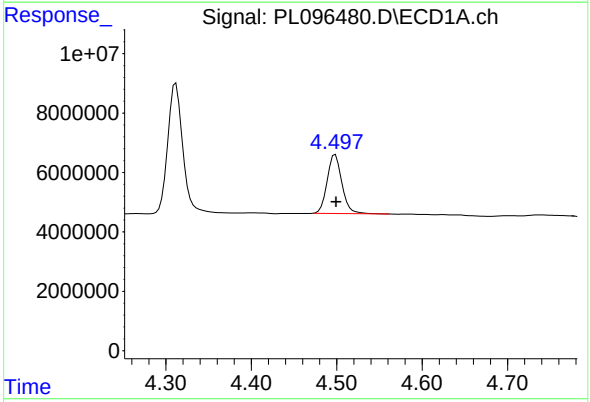
Manual Integrations APPROVED

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



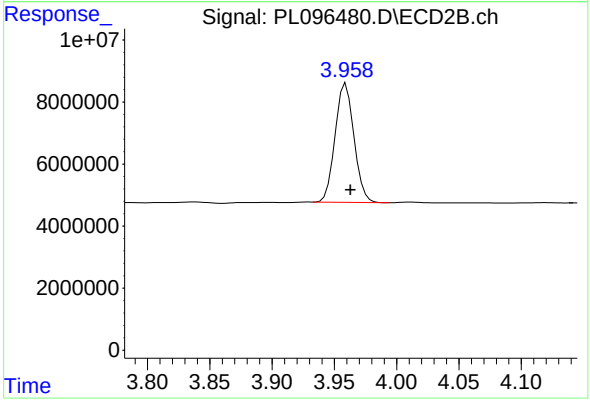
#3 gamma-BHC (Lindane)

R.T.: 3.663 min
Delta R.T.: -0.004 min
Response: 89058605
Conc: 11.31 ng/ml



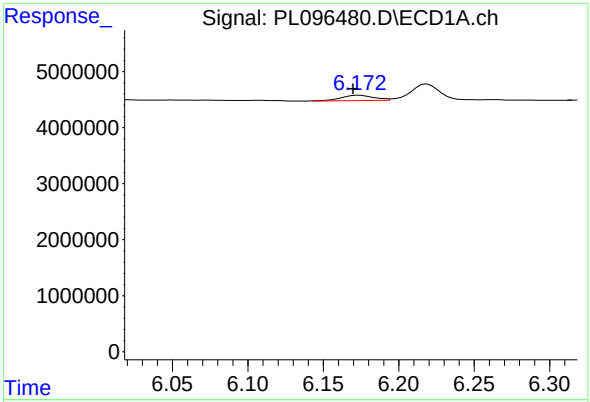
#6 beta-BHC

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



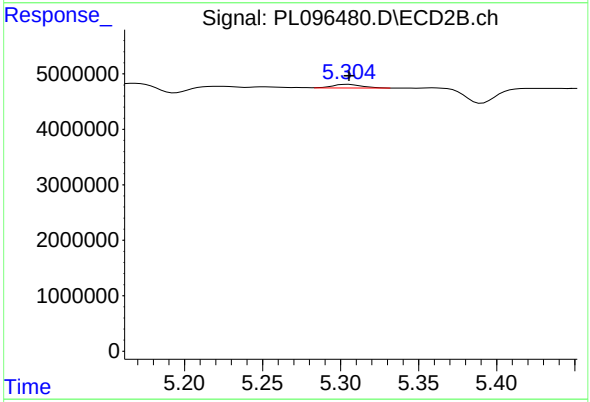
#12 4,4'-DDE

R.T.: 6.172 min
Delta R.T.: 0.003 min
Response: 1460920
Conc: 0.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

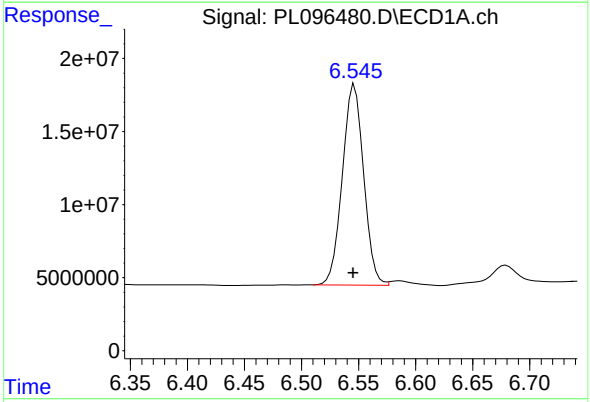
Manual Integrations APPROVED

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



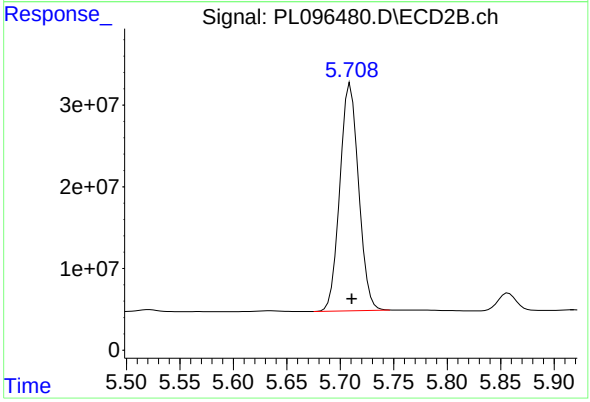
#12 4,4'-DDE

R.T.: 5.304 min
Delta R.T.: -0.002 min
Response: 842883
Conc: 0.13 ng/ml m



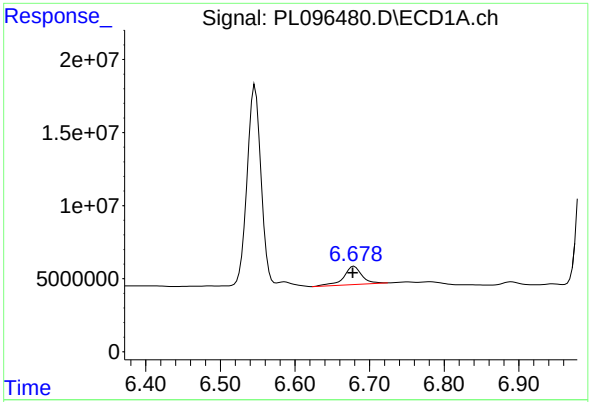
#14 Endrin

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



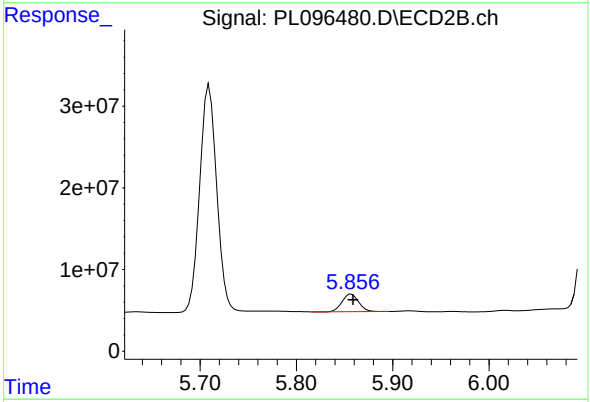
#16 4,4'-DDD

R.T.: 6.679 min
Delta R.T.: 0.002 min
Response: 20981587
Conc: 7.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

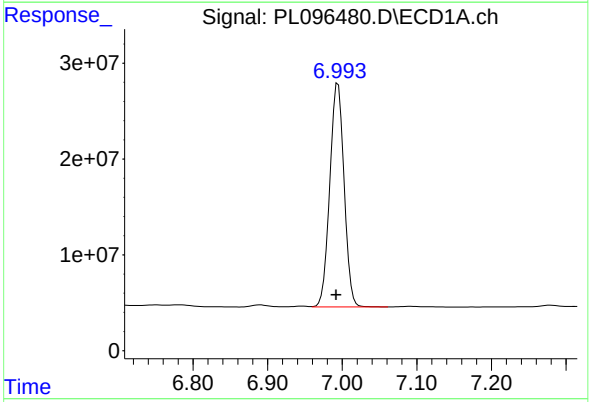
Manual Integrations
APPROVED

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



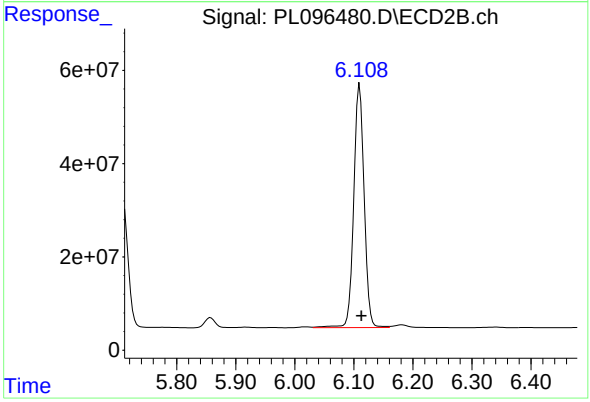
#16 4,4'-DDD

R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 25664408
Conc: 5.00 ng/ml



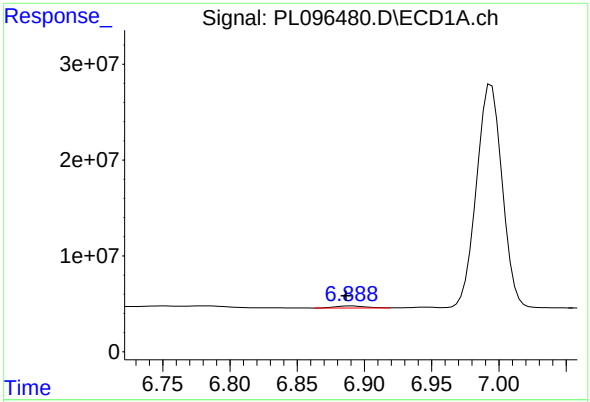
#17 4,4'-DDT

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



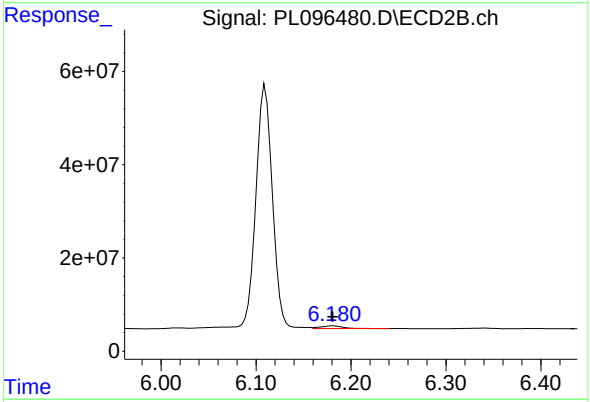
#18 Endrin aldehyde

R.T.: 6.888 min
Delta R.T.: 0.002 min
Response: 3258568
Conc: 1.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

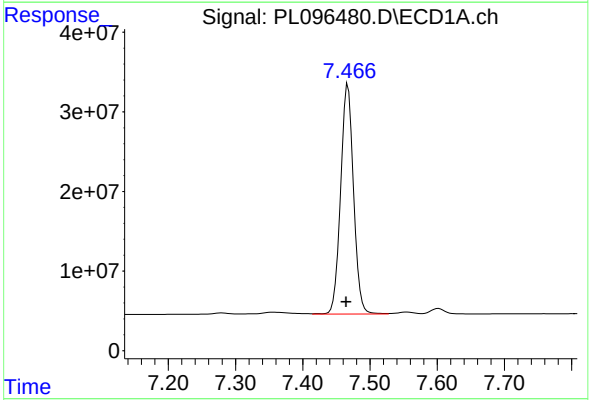
Manual Integrations
APPROVED

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



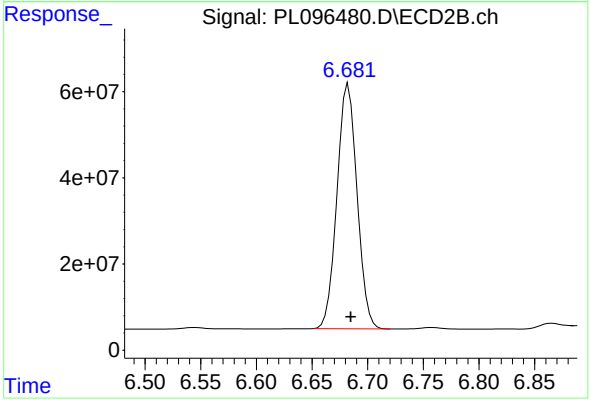
#18 Endrin aldehyde

R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 10054251
Conc: 2.26 ng/ml



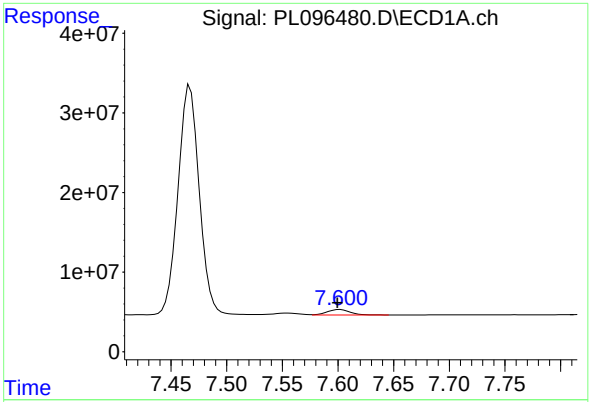
#20 Methoxychlor

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



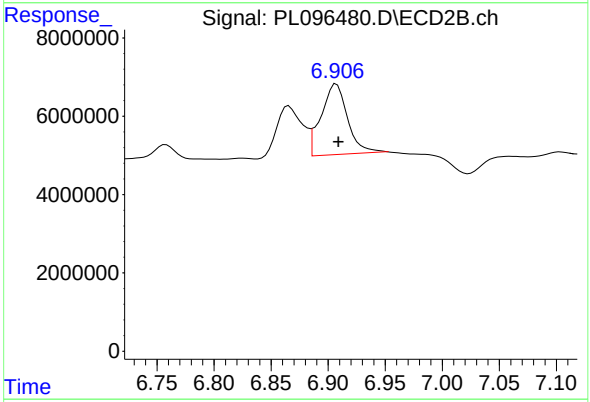
#21 Endrin ketone

R.T.: 7.602 min
Delta R.T.: 0.002 min
Response: 9683418
Conc: 2.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

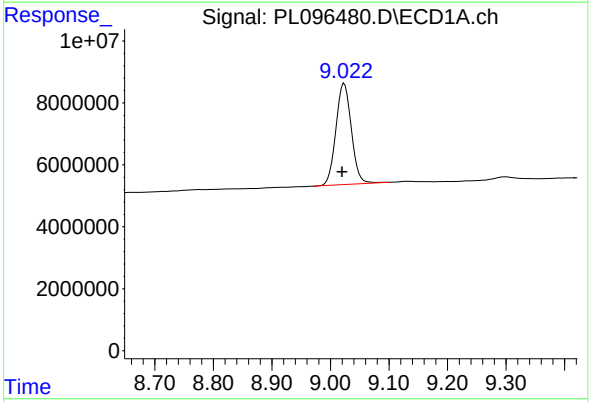
Manual Integrations APPROVED

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



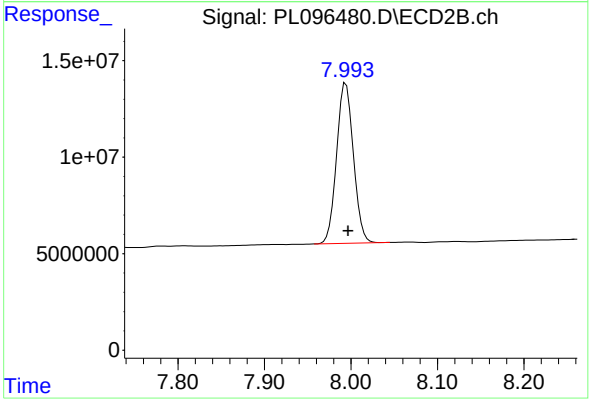
#21 Endrin ketone

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

Chromatographic Resolution Report

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089539.D
Acq On : 21 Jul 2025 12:35
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e

Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Title : GC Extractables
Last Update : Tue Jul 22 04:39:29 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.548	5.944	100.00%
5.944	6.073	100.00%
6.073	6.194	100.00%
6.194	6.345	100.00%
6.345	7.148	100.00%
7.148	7.492	100.00%
7.492	7.629	100.00%
7.629	9.071	100.00%

Signal #2

2.879	5.123	100.00%
5.123	5.244	100.00%
5.244	5.373	100.00%
5.373	5.510	100.00%
5.510	6.480	100.00%
6.480	6.752	100.00%
6.752	6.990	100.00%
6.990	8.070	100.00%

PD072125.M Tue Jul 22 05:04:24 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089539.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:35
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 04:42:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.879	51809968	366.9E6	17.981	18.750
28)	SA Decachlor...	9.071	8.070	78129847	453.3E6	19.023	18.452
	Target Compounds						
9)	A Endosulfan I	6.073	5.244	38431902	224.6E6	8.645	9.458
10)	B gamma-Chl...	5.944	5.123	42237481	267.0E6	8.909	9.982
12)	B 4,4'-DDE	6.194	5.373	77258612	510.3E6	17.993	19.434
13)	MA Dieldrin	6.345	5.510	83847363	504.8E6	17.762	19.103
19)	B Endosulfa...	7.148	6.480	70006243	429.5E6	18.549	19.348
20)	A Methoxychlor	7.492	6.752	174.7E6	1003.1E6	87.156	82.274
21)	B Endrin ke...	7.629	6.990	73683552	472.0E6	18.310	19.274

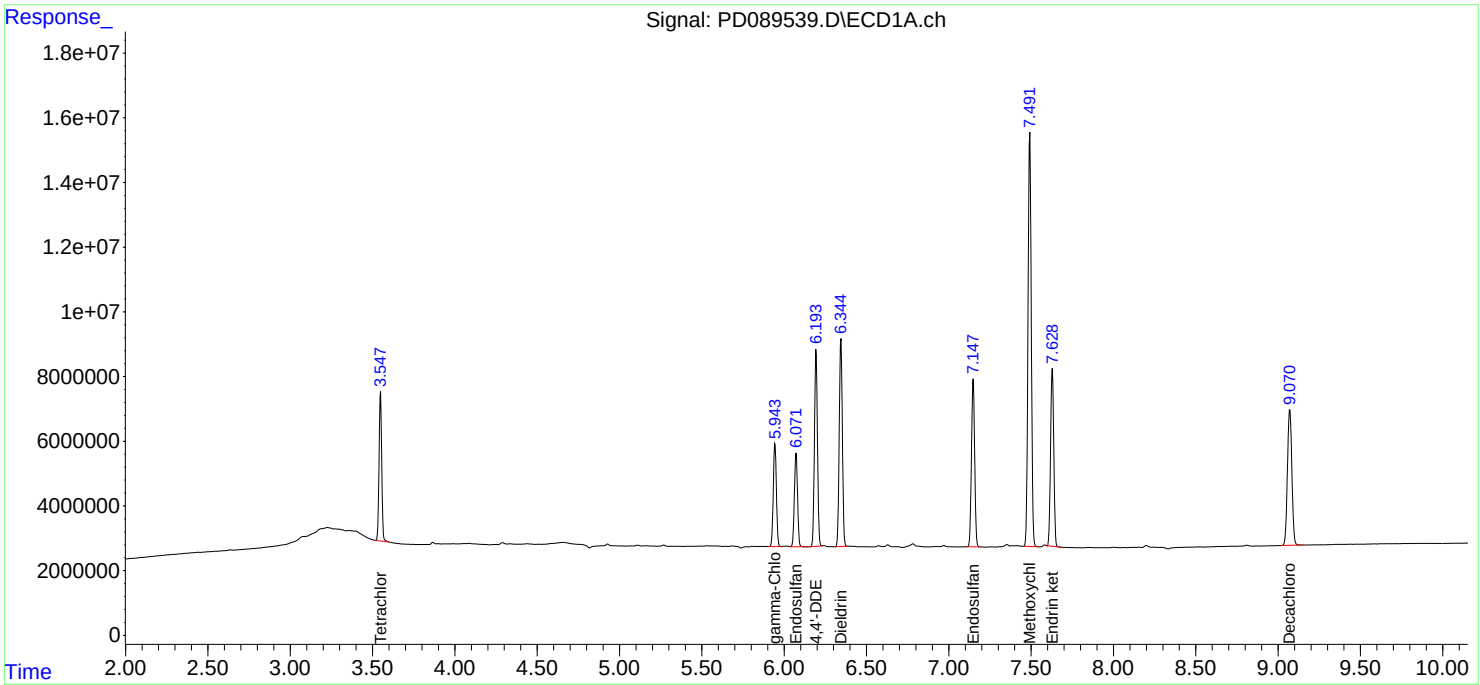
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

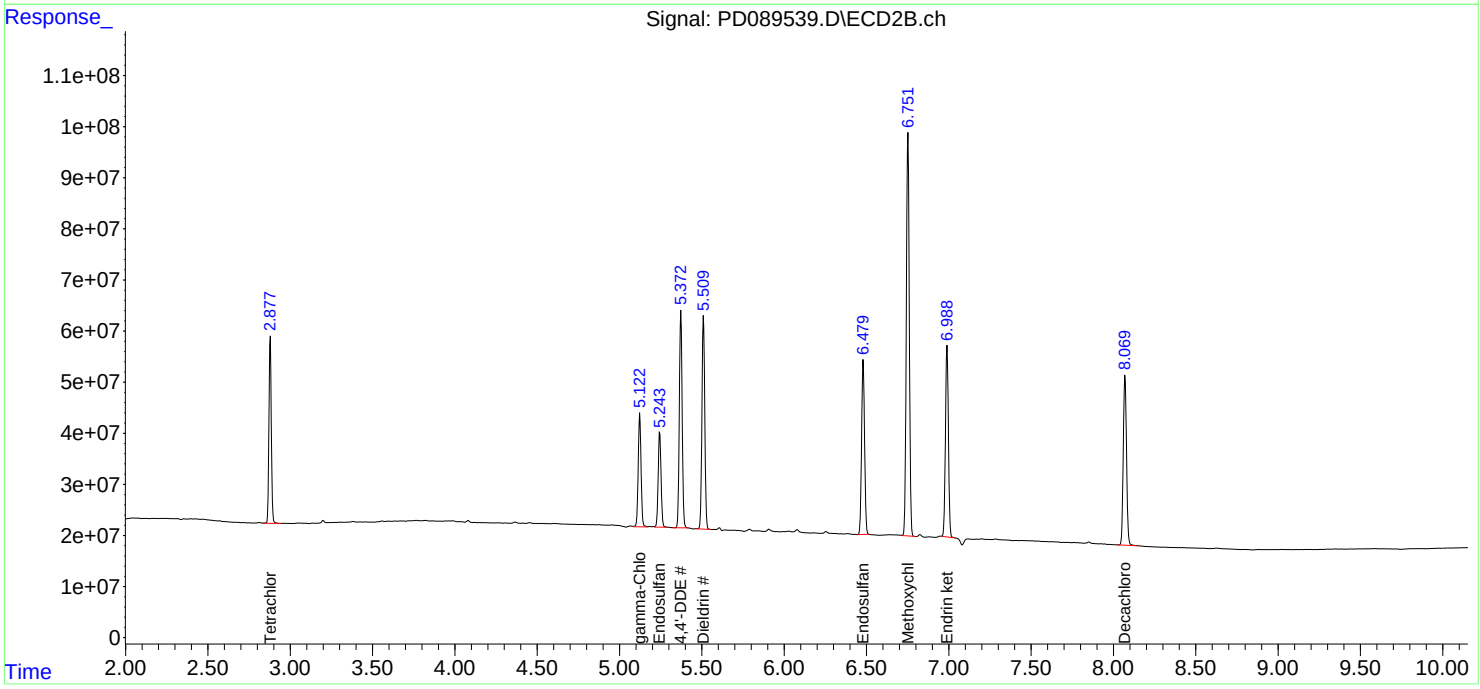
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089539.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:35
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

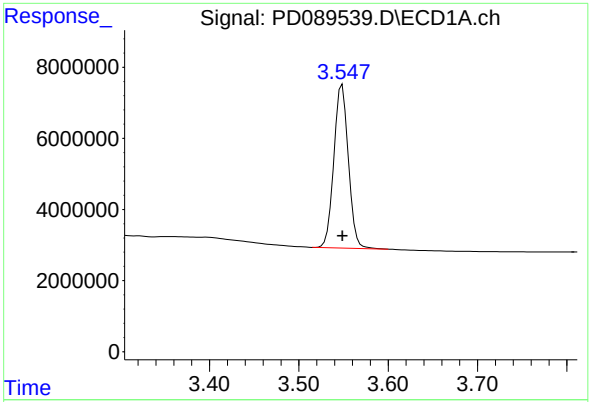
Instrument :
ECD_D
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 04:42:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



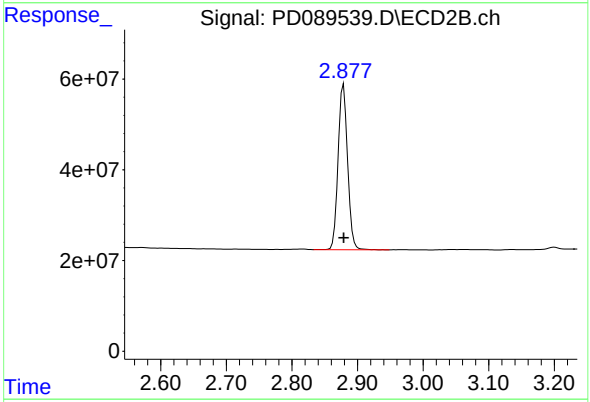




#1 Tetrachloro-m-xylene

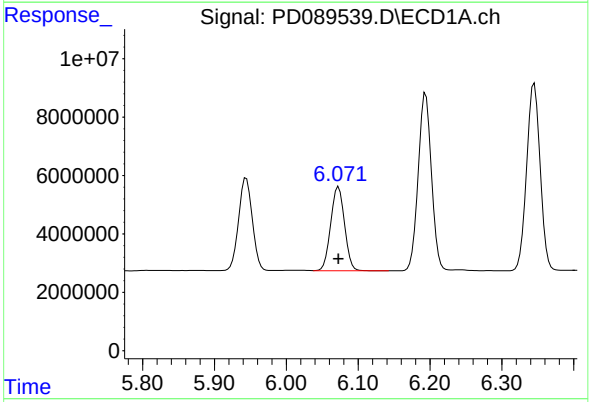
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 51809968
Conc: 17.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



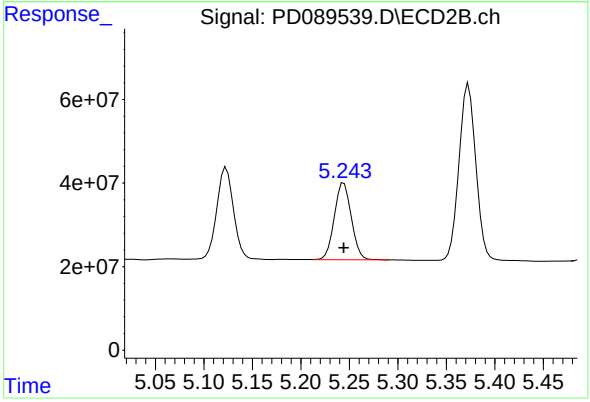
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 366859486
Conc: 18.75 ng/ml



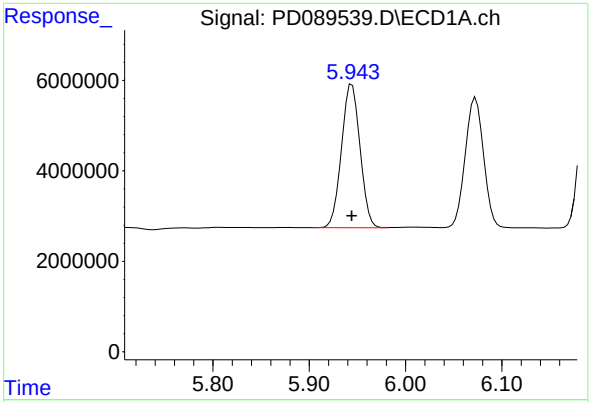
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 38431902
Conc: 8.64 ng/ml



#9 Endosulfan I

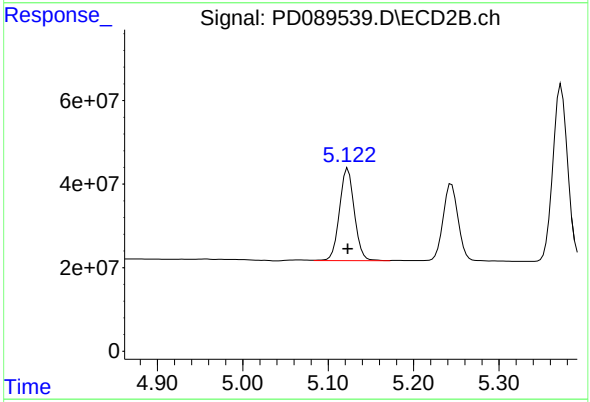
R.T.: 5.244 min
Delta R.T.: 0.000 min
Response: 224597727
Conc: 9.46 ng/ml



#10 gamma-Chlordane

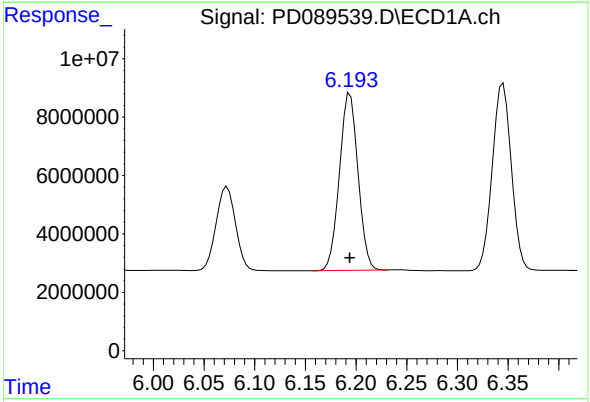
R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 42237481
Conc: 8.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



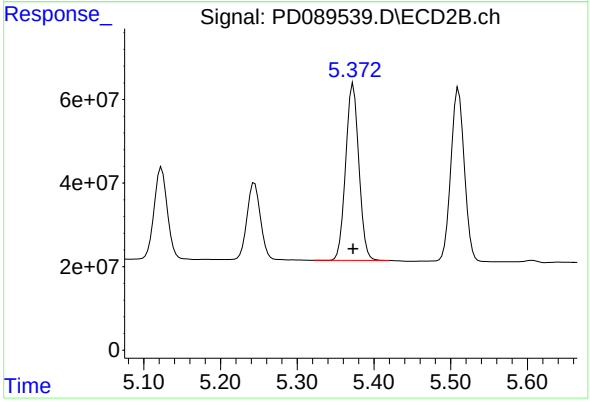
#10 gamma-Chlordane

R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 267039042
Conc: 9.98 ng/ml



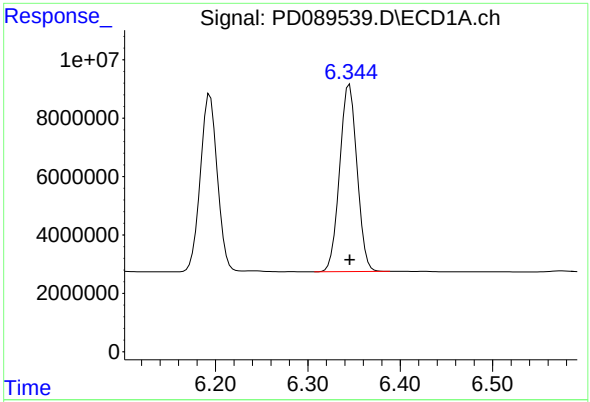
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 77258612
Conc: 17.99 ng/ml



#12 4,4'-DDE

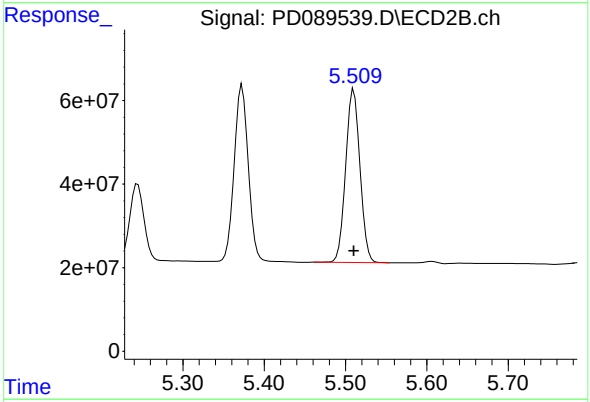
R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 510254291
Conc: 19.43 ng/ml



#13 Dieldrin

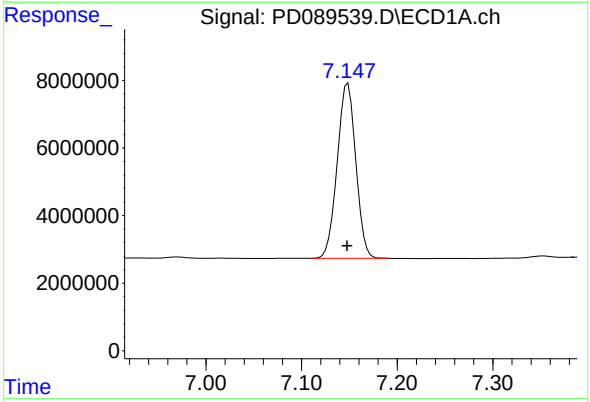
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 83847363
Conc: 17.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



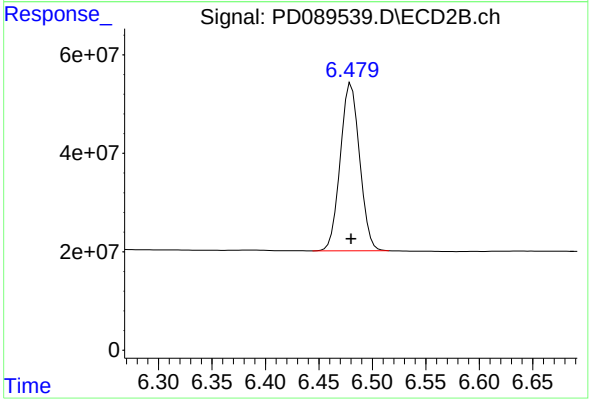
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: 0.000 min
Response: 504825335
Conc: 19.10 ng/ml



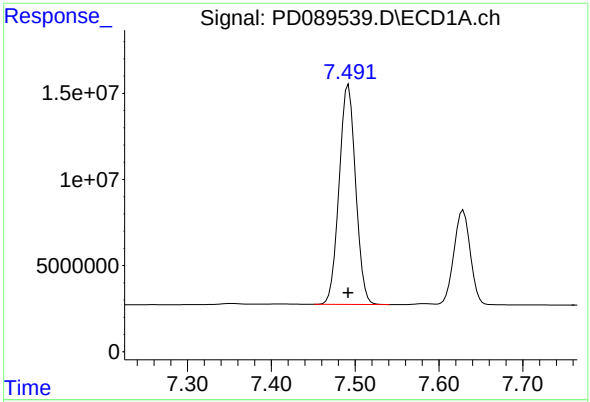
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 70006243
Conc: 18.55 ng/ml



#19 Endosulfan Sulfate

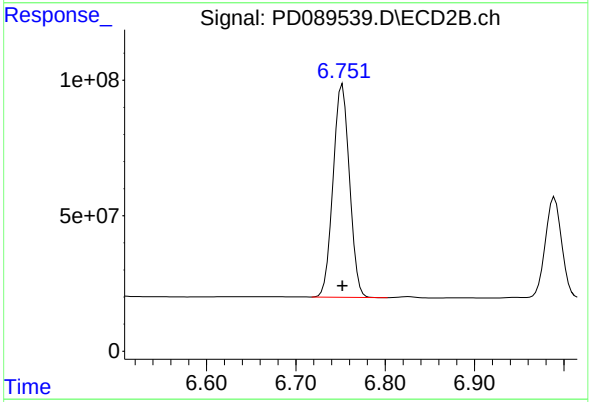
R.T.: 6.480 min
Delta R.T.: 0.000 min
Response: 429487748
Conc: 19.35 ng/ml



#20 Methoxychlor

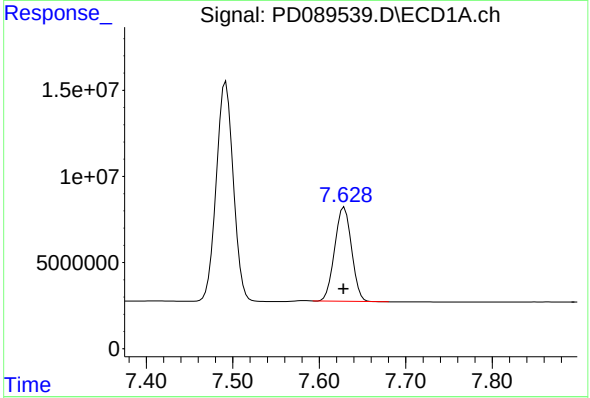
R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 174739023
Conc: 87.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



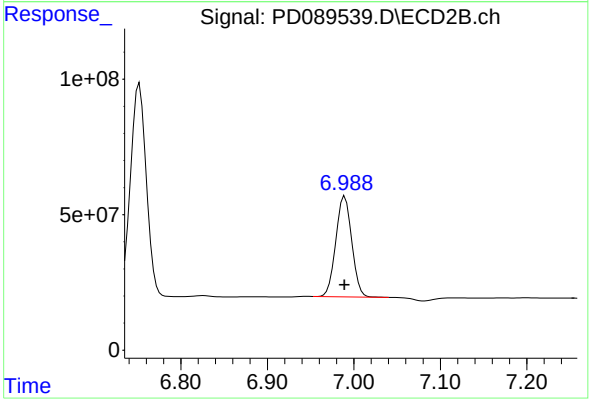
#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: 0.000 min
Response: 1003076887
Conc: 82.27 ng/ml



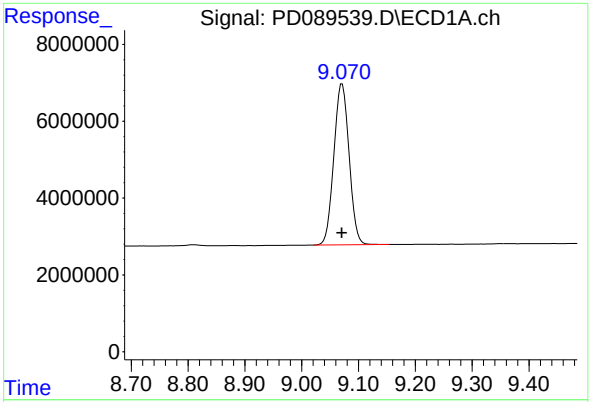
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 73683552
Conc: 18.31 ng/ml



#21 Endrin ketone

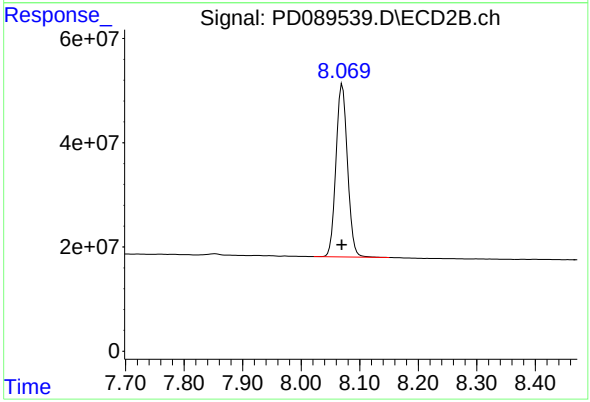
R.T.: 6.990 min
Delta R.T.: 0.000 min
Response: 471998069
Conc: 19.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 78129847
Conc: 19.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
RESCHK



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: 0.000 min
Response: 453328331
Conc: 18.45 ng/ml

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.

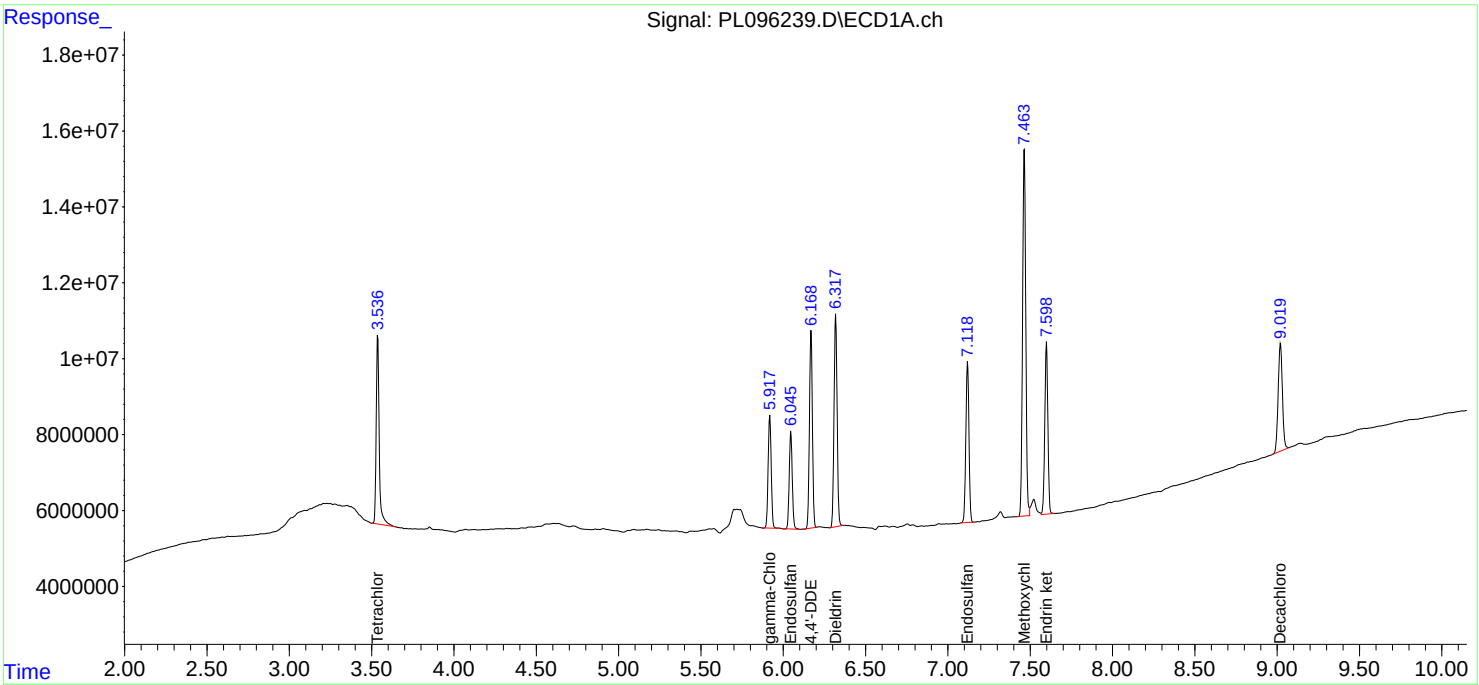
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096239.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:40
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

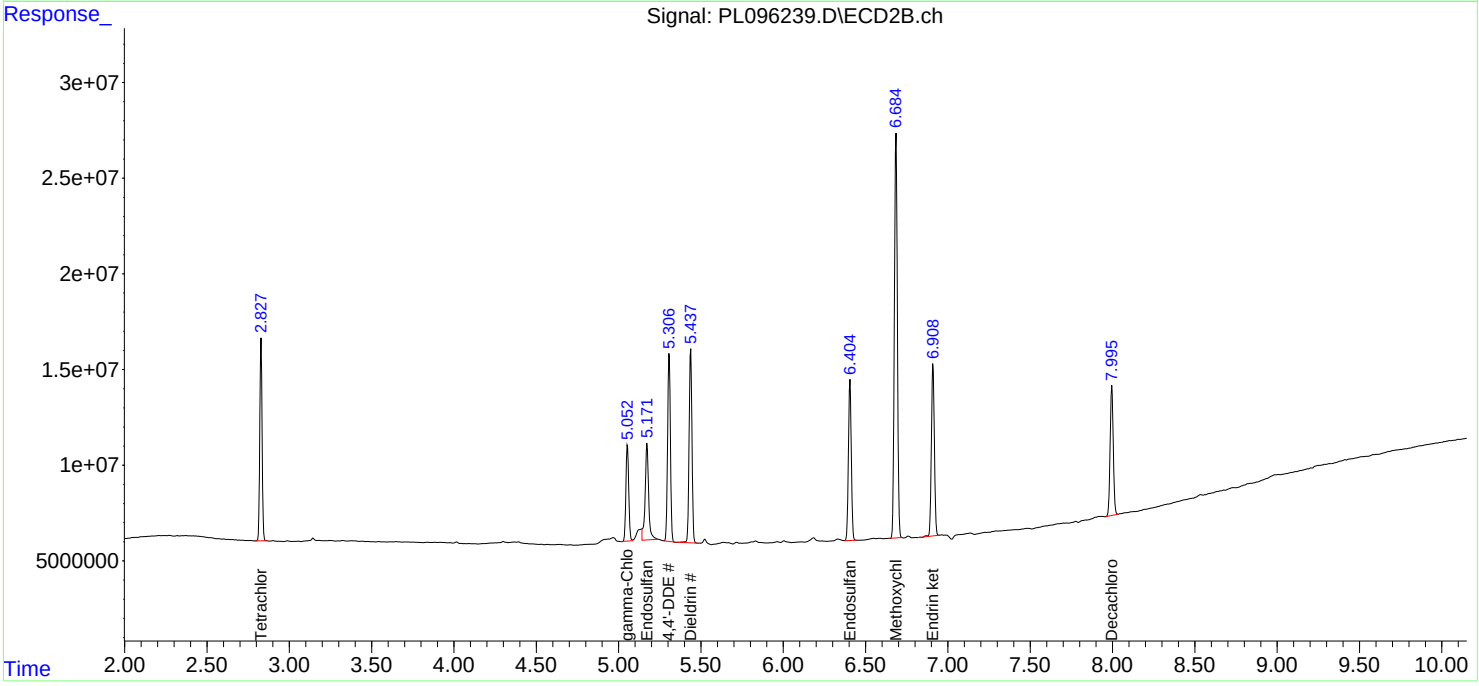
Instrument :
ECD_L
ClientSampleId :
RESCHK

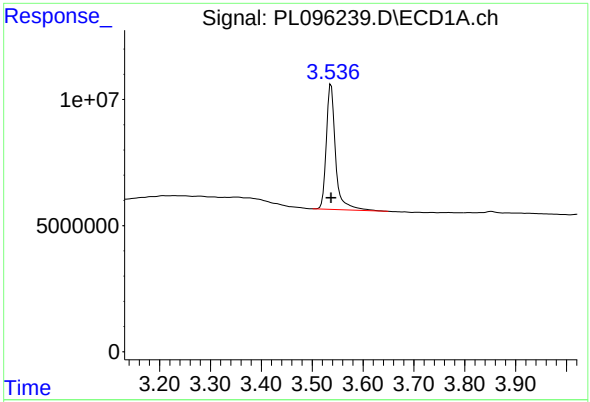
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/09/2025

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







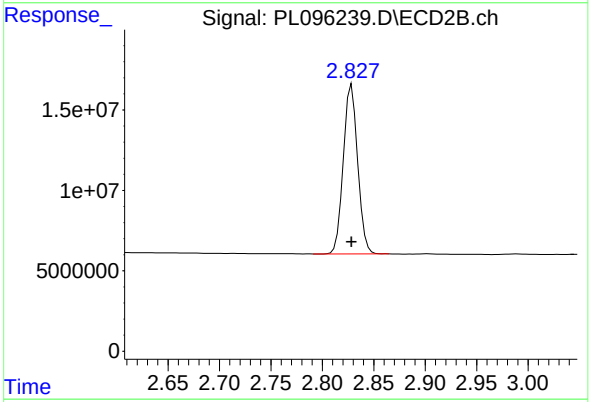
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 62690780
Conc: 17.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

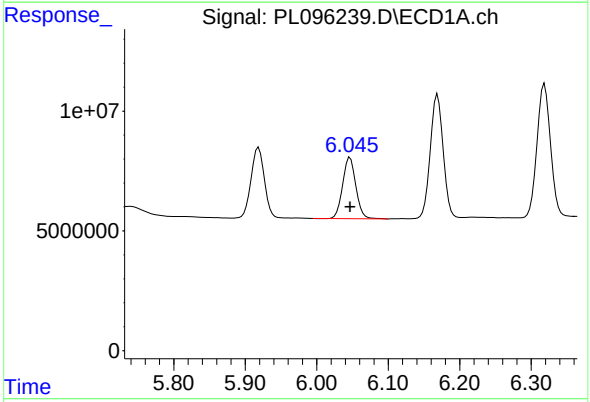
Manual Integrations
APPROVED

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



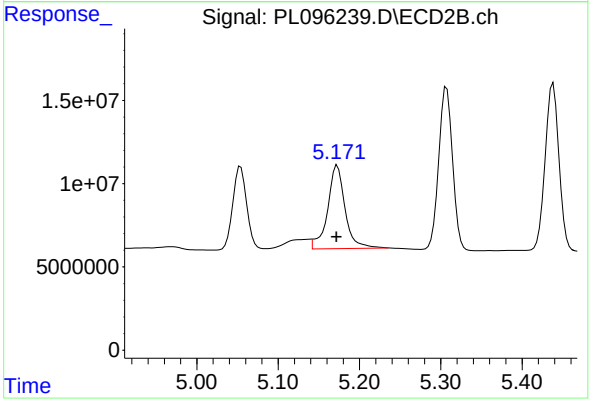
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 102171887
Conc: 17.70 ng/ml



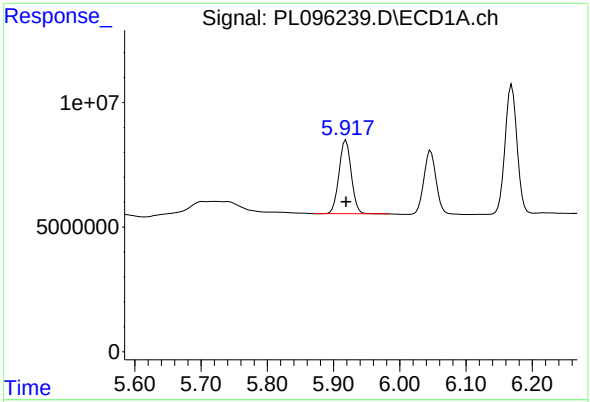
#9 Endosulfan I

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



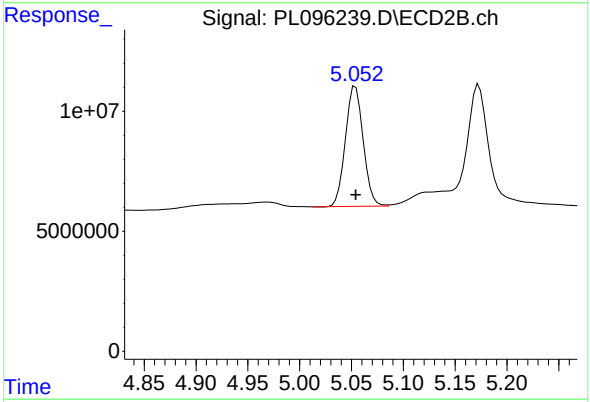
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 38063125
Conc: 8.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

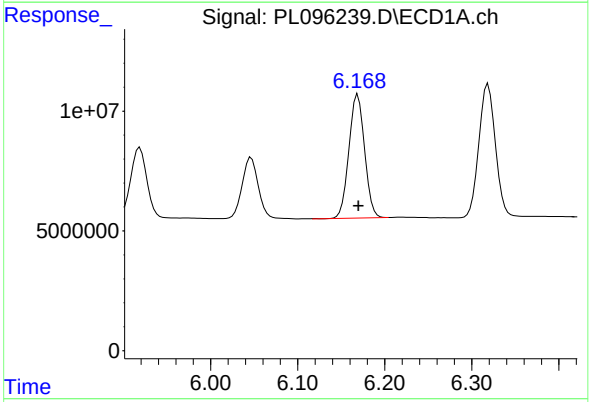
Manual Integrations APPROVED

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



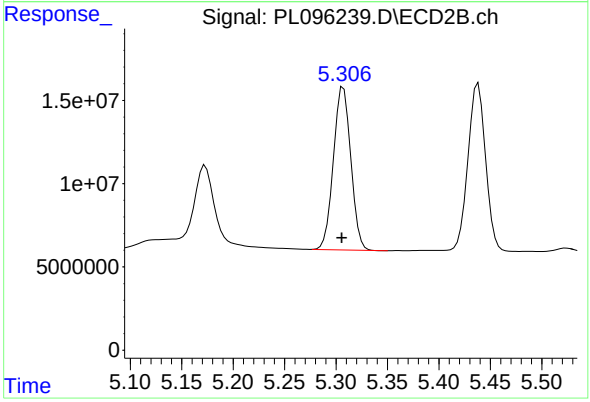
#10 gamma-Chlordane

R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 59640944
Conc: 8.50 ng/ml



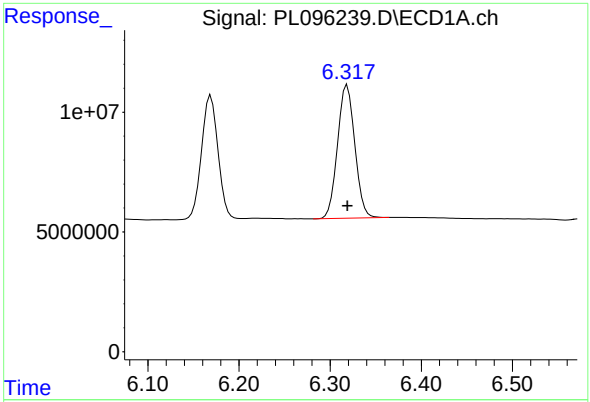
#12 4,4'-DDE

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



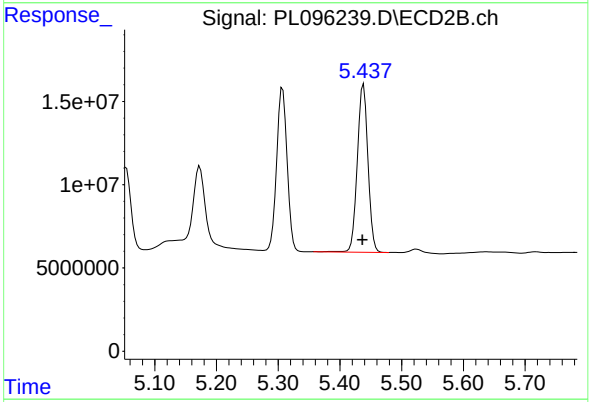
#13 Dieldrin

R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 73314501
Conc: 17.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

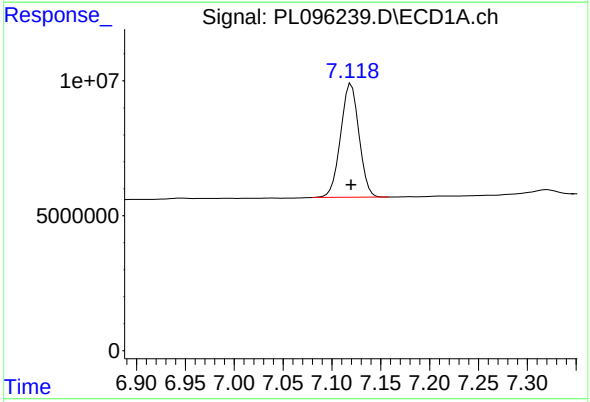
Manual Integrations APPROVED

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



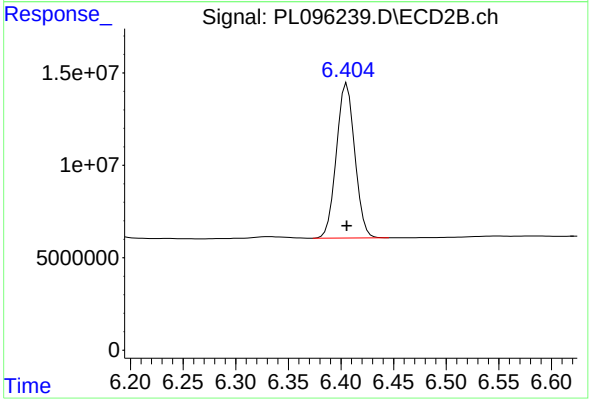
#13 Dieldrin

R.T.: 5.438 min
Delta R.T.: 0.002 min
Response: 120898616
Conc: 17.73 ng/ml



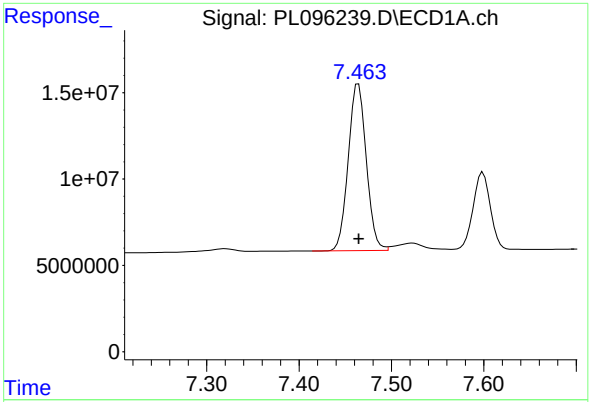
#19 Endosulfan Sulfate

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



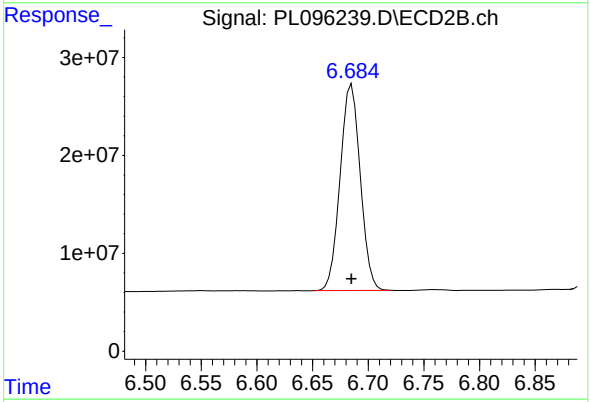
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 131275919
Conc: 83.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

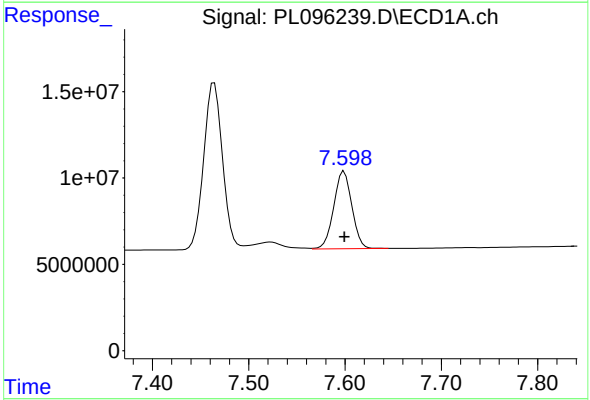
Manual Integrations APPROVED

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



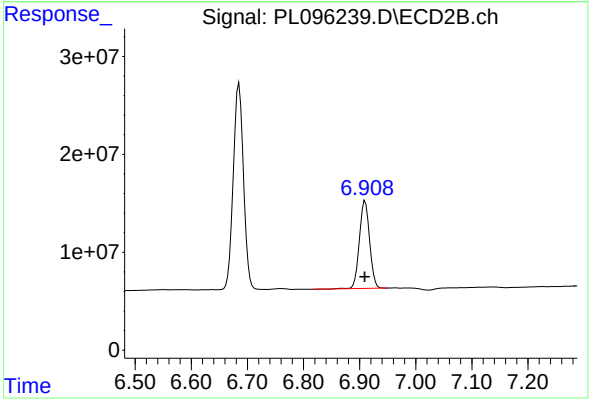
#20 Methoxychlor

R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 265510101
Conc: 87.40 ng/ml



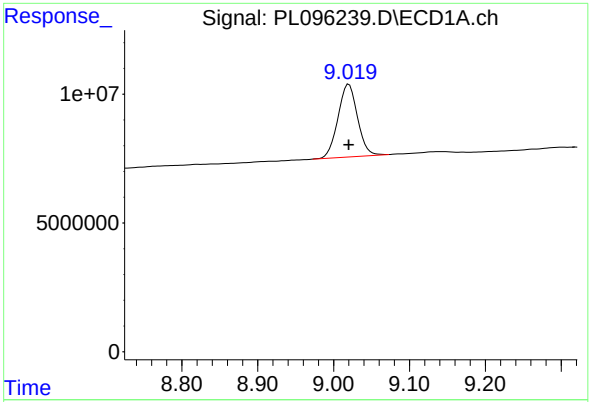
#21 Endrin ketone

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



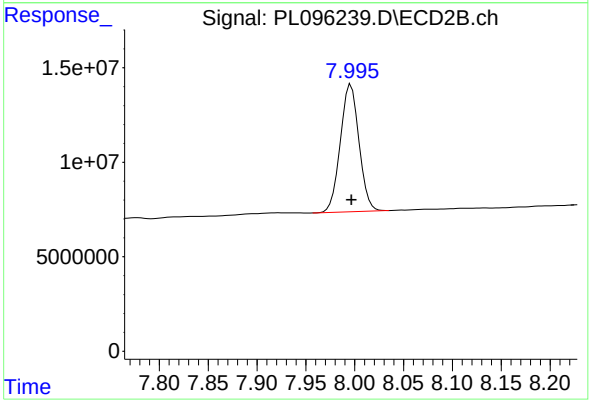
#28 Decachlorobiphenyl

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

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q2639

Project: Raymark Superfund Site **Instrument ID:** ECD_D

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/21/2025 07/21/2025

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	07/21/2025	12:08	PD089537.D	9.07	3.55
PEM	PEM	07/21/2025	12:22	PD089538.D	9.07	3.55
RESCHK	RESCHK	07/21/2025	12:35	PD089539.D	9.07	3.55
PSTDICC100	PSTDICC100	07/21/2025	12:49	PD089540.D	9.07	3.55
PSTDICC075	PSTDICC075	07/21/2025	13:03	PD089541.D	9.07	3.55
PSTDICC050	PSTDICC050	07/21/2025	13:16	PD089542.D	9.07	3.55
PSTDICC025	PSTDICC025	07/21/2025	13:30	PD089543.D	9.07	3.55
PSTDICC005	PSTDICC005	07/21/2025	13:44	PD089544.D	9.07	3.55
PCHLORICC500	PCHLORICC500	07/21/2025	14:25	PD089547.D	9.07	3.55
PTOXICC500	PTOXICC500	07/21/2025	15:32	PD089552.D	9.07	3.55
PEM	PEM	07/23/2025	12:49	PD089592.D	9.07	3.55
I.BLK	I.BLK	07/23/2025	18:16	PD089610.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/23/2025	18:29	PD089611.D	9.07	3.55
OU4-TS-38-071725	Q2639-01	07/23/2025	18:57	PD089612.D	9.07	3.55
OU4-TS-39-071725	Q2639-03	07/23/2025	19:10	PD089613.D	9.07	3.55
OU4-TS-40-071725	Q2639-05	07/23/2025	19:24	PD089614.D	9.07	3.55
OU4-TS-41-071725	Q2639-07	07/23/2025	19:38	PD089615.D	9.07	3.55
OU4-TS-42-071725	Q2639-09	07/23/2025	19:51	PD089616.D	9.07	3.55
OU4-TS-43-071725	Q2639-11	07/23/2025	20:05	PD089617.D	9.07	3.55
OU4-TS-44-071725	Q2639-13	07/23/2025	20:19	PD089618.D	9.07	3.55
I.BLK	I.BLK	07/23/2025	20:46	PD089619.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/23/2025	22:08	PD089620.D	9.07	3.55
PEM	PEM	07/24/2025	11:01	PD089623.D	9.07	3.55
I.BLK	I.BLK	07/24/2025	16:50	PD089627.D	9.08	3.56
PSTDCCC050	PSTDCCC050	07/24/2025	17:04	PD089628.D	9.07	3.55
OU4-TS-42-071725RE	Q2639-09RE	07/24/2025	17:44	PD089629.D	9.08	3.56
OU4-TS-43-071725RE	Q2639-11RE	07/24/2025	17:58	PD089630.D	9.07	3.55
OU4-TS-44-071725RE	Q2639-13RE	07/24/2025	18:12	PD089631.D	9.07	3.55
I.BLK	I.BLK	07/24/2025	18:53	PD089632.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/24/2025	19:06	PD089633.D	9.07	3.55
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

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Fax : 908 789 8922

Analytical Sequence

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

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

Analytical Sequence

Client: Nobis Group **SDG No.:** Q2639

Project: Raymark Superfund Site **Instrument ID:** ECD_D

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/21/2025 07/21/2025

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	07/21/2025	12:08	PD089537.D	8.07	2.88
PEM	PEM	07/21/2025	12:22	PD089538.D	8.07	2.88
RESCHK	RESCHK	07/21/2025	12:35	PD089539.D	8.07	2.88
PSTDICC100	PSTDICC100	07/21/2025	12:49	PD089540.D	8.07	2.88
PSTDICC075	PSTDICC075	07/21/2025	13:03	PD089541.D	8.07	2.88
PSTDICC050	PSTDICC050	07/21/2025	13:16	PD089542.D	8.07	2.88
PSTDICC025	PSTDICC025	07/21/2025	13:30	PD089543.D	8.07	2.88
PSTDICC005	PSTDICC005	07/21/2025	13:44	PD089544.D	8.07	2.88
PCHLORICC500	PCHLORICC500	07/21/2025	14:25	PD089547.D	8.07	2.88
PTOXICC500	PTOXICC500	07/21/2025	15:32	PD089552.D	8.07	2.88
PEM	PEM	07/23/2025	12:49	PD089592.D	8.07	2.88
I.BLK	I.BLK	07/23/2025	18:16	PD089610.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/23/2025	18:29	PD089611.D	8.07	2.88
OU4-TS-38-071725	Q2639-01	07/23/2025	18:57	PD089612.D	8.07	2.88
OU4-TS-39-071725	Q2639-03	07/23/2025	19:10	PD089613.D	8.07	2.88
OU4-TS-40-071725	Q2639-05	07/23/2025	19:24	PD089614.D	8.07	2.88
OU4-TS-41-071725	Q2639-07	07/23/2025	19:38	PD089615.D	8.07	2.88
OU4-TS-42-071725	Q2639-09	07/23/2025	19:51	PD089616.D	8.07	2.88
OU4-TS-43-071725	Q2639-11	07/23/2025	20:05	PD089617.D	8.06	2.88
OU4-TS-44-071725	Q2639-13	07/23/2025	20:19	PD089618.D	8.07	2.88
I.BLK	I.BLK	07/23/2025	20:46	PD089619.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/23/2025	22:08	PD089620.D	8.07	2.88
PEM	PEM	07/24/2025	11:01	PD089623.D	8.07	2.88
I.BLK	I.BLK	07/24/2025	16:50	PD089627.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/24/2025	17:04	PD089628.D	8.07	2.88
OU4-TS-42-071725RE	Q2639-09RE	07/24/2025	17:44	PD089629.D	8.07	2.88
OU4-TS-43-071725RE	Q2639-11RE	07/24/2025	17:58	PD089630.D	8.07	2.88
OU4-TS-44-071725RE	Q2639-13RE	07/24/2025	18:12	PD089631.D	8.07	2.88
I.BLK	I.BLK	07/24/2025	18:53	PD089632.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/24/2025	19:06	PD089633.D	8.07	2.88
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

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Analytical Sequence

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

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-38-071725

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

Lab Sample ID: Q2639-01 **Date(s) Analyzed:** 07/23/2025 07/23/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.70	6.65	6.75	3.10	81.8
	2	5.93	5.88	5.98	1.30	
4,4'-DDT	1	7.02	6.97	7.07	6.10	3.3
	2	6.18	6.13	6.23	5.90	
gamma-Chlordane	1	5.94	5.89	5.99	0.36	50
	2	5.12	5.07	5.17	0.60	
alpha-Chlordane	1	6.03	5.98	6.08	0.83	22.9
	2	5.19	5.14	5.24	0.66	
4,4'-DDE	1	6.19	6.14	6.24	0.45	23.5
	2	5.37	5.32	5.42	0.57	
Dieldrin	1	6.35	6.30	6.40	0.38	119.1
	2	5.51	5.46	5.56	1.50	
Endrin	1	6.57	6.52	6.62	0.96	124.4
	2	5.79	5.74	5.84	4.10	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-39-071725

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

Lab Sample ID: Q2639-03 **Date(s) Analyzed:** 07/23/2025 07/23/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.70	6.65	6.75	3.00	85.7
	2	5.93	5.88	5.98	1.20	
4,4'-DDT	1	7.02	6.97	7.07	1.40	19.4
	2	6.18	6.13	6.23	1.70	
gamma-Chlordane	1	5.94	5.89	5.99	0.57	11.5
	2	5.12	5.07	5.17	0.51	
alpha-Chlordane	1	6.03	5.98	6.08	0.87	24.3
	2	5.19	5.14	5.24	0.68	
4,4'-DDE	1	6.19	6.14	6.24	0.50	9.4
	2	5.37	5.32	5.42	0.55	
Endrin	1	6.57	6.52	6.62	1.00	23.6
	2	5.79	5.74	5.84	0.79	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-40-071725

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

Lab Sample ID: Q2639-05 **Date(s) Analyzed:** 07/23/2025 07/23/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.70	6.65	6.75	2.60	81.1
	2	5.92	5.87	5.97	1.10	
4,4'-DDT	1	7.02	6.97	7.07	1.30	26.7
	2	6.18	6.13	6.23	1.70	
gamma-Chlordane	1	5.94	5.89	5.99	0.38	23
	2	5.12	5.07	5.17	0.30	
alpha-Chlordane	1	6.03	5.98	6.08	0.75	29.5
	2	5.19	5.14	5.24	0.56	
4,4'-DDE	1	6.19	6.14	6.24	0.37	18.4
	2	5.37	5.32	5.42	0.44	
Endrin	1	6.57	6.52	6.62	0.87	37.5
	2	5.79	5.74	5.84	0.60	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-41-071725

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

Lab Sample ID: Q2639-07 **Date(s) Analyzed:** 07/23/2025 07/23/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.70	6.65	6.75	2.40	82.6
	2	5.93	5.88	5.98	1.00	
4,4'-DDT	1	7.02	6.97	7.07	1.10	24
	2	6.18	6.13	6.23	1.40	
gamma-Chlordane	1	5.94	5.89	5.99	0.56	18.3
	2	5.12	5.07	5.17	0.46	
alpha-Chlordane	1	6.03	5.98	6.08	0.67	11.5
	2	5.19	5.14	5.24	0.60	
4,4'-DDE	1	6.19	6.14	6.24	0.43	4.8
	2	5.37	5.32	5.42	0.41	
Endrin	1	6.57	6.52	6.62	0.77	31.5
	2	5.79	5.74	5.84	0.56	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-42-071725

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

Lab Sample ID: Q2639-09 **Date(s) Analyzed:** 07/23/2025 07/23/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
gamma-Chlordane	1	5.94	5.89	5.99	0.69	26.4
	2	5.12	5.07	5.17	0.90	
alpha-Chlordane	1	6.03	5.98	6.08	1.20	24.5
	2	5.19	5.14	5.24	0.94	
4,4'-DDE	1	6.19	6.14	6.24	0.80	21.5
	2	5.37	5.32	5.42	0.99	
Dieldrin	1	6.35	6.30	6.40	0.33	62.8
	2	5.51	5.46	5.56	0.62	
Endrin	1	6.58	6.53	6.63	0.54	51.9
	2	5.79	5.74	5.84	0.31	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-42-071725RE

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

Lab Sample ID: Q2639-09RE **Date(s) Analyzed:** 07/24/2025 07/24/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
gamma-Chlordane	1	5.95	5.90	6.00	0.88	58.3
	2	5.12	5.07	5.17	1.60	
alpha-Chlordane	1	6.03	5.98	6.08	1.50	40
	2	5.19	5.14	5.24	1.00	
4,4'-DDE	1	6.20	6.15	6.25	0.96	13.6
	2	5.37	5.32	5.42	1.10	
Dieldrin	1	6.35	6.30	6.40	0.45	54.9
	2	5.51	5.46	5.56	0.79	
Endrin	1	6.59	6.54	6.64	0.76	7.7
	2	5.79	5.74	5.84	0.82	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-43-071725

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

Lab Sample ID: Q2639-11 **Date(s) Analyzed:** 07/23/2025 07/23/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
gamma-Chlordane	1	5.94	5.89	5.99	0.79	61.8
	2	5.12	5.07	5.17	1.50	
alpha-Chlordane	1	6.03	5.98	6.08	1.50	40
	2	5.19	5.14	5.24	1.00	
4,4'-DDE	1	6.19	6.14	6.24	0.85	25.1
	2	5.37	5.32	5.42	1.10	
Dieldrin	1	6.35	6.30	6.40	0.33	74
	2	5.51	5.46	5.56	0.71	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-43-071725RE

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

Lab Sample ID: Q2639-11RE **Date(s) Analyzed:** 07/24/2025 07/24/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
gamma-Chlordane	1	5.94	5.89	5.99	0.98	53.7
	2	5.12	5.07	5.17	1.70	
alpha-Chlordane	1	6.03	5.98	6.08	1.70	26.7
	2	5.19	5.14	5.24	1.30	
4,4'-DDE	1	6.19	6.14	6.24	0.95	4.9
	2	5.37	5.32	5.42	1.00	
Dieldrin	1	6.35	6.30	6.40	0.41	67.9
	2	5.51	5.46	5.56	0.83	
Endrin	1	6.58	6.53	6.63	0.85	109
	2	5.79	5.74	5.84	2.90	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-44-071725

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

Lab Sample ID: Q2639-13 **Date(s) Analyzed:** 07/23/2025 07/23/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
gamma-Chlordane	1	5.94	5.89	5.99	0.44	51.1
	2	5.12	5.07	5.17	0.26	
alpha-Chlordane	1	6.03	5.98	6.08	0.83	2.5
	2	5.19	5.14	5.24	0.85	
4,4'-DDE	1	6.19	6.14	6.24	0.52	0
	2	5.37	5.32	5.42	0.52	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-44-071725RE

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

Lab Sample ID: Q2639-13RE **Date(s) Analyzed:** 07/24/2025 07/24/2025

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
gamma-Chlordane	1	5.94	5.89	5.99	0.59	52.8
	2	5.12	5.07	5.17	0.34	
alpha-Chlordane	1	6.03	5.98	6.08	0.94	5
	2	5.19	5.14	5.24	0.90	
4,4'-DDE	1	6.19	6.14	6.24	0.55	3.8
	2	5.37	5.32	5.42	0.53	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168928BS

Lab Name: Alliance **Contract:** NOBI03

Lab Code: ACE **SDG NO.:** Q2639

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.:** Q2639

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.:** Q2639

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.:** Q2639

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.:** Q2639

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.:** Q2639

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
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.:	Q2639
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

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Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168928BL	SDG No.:	Q2639
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						

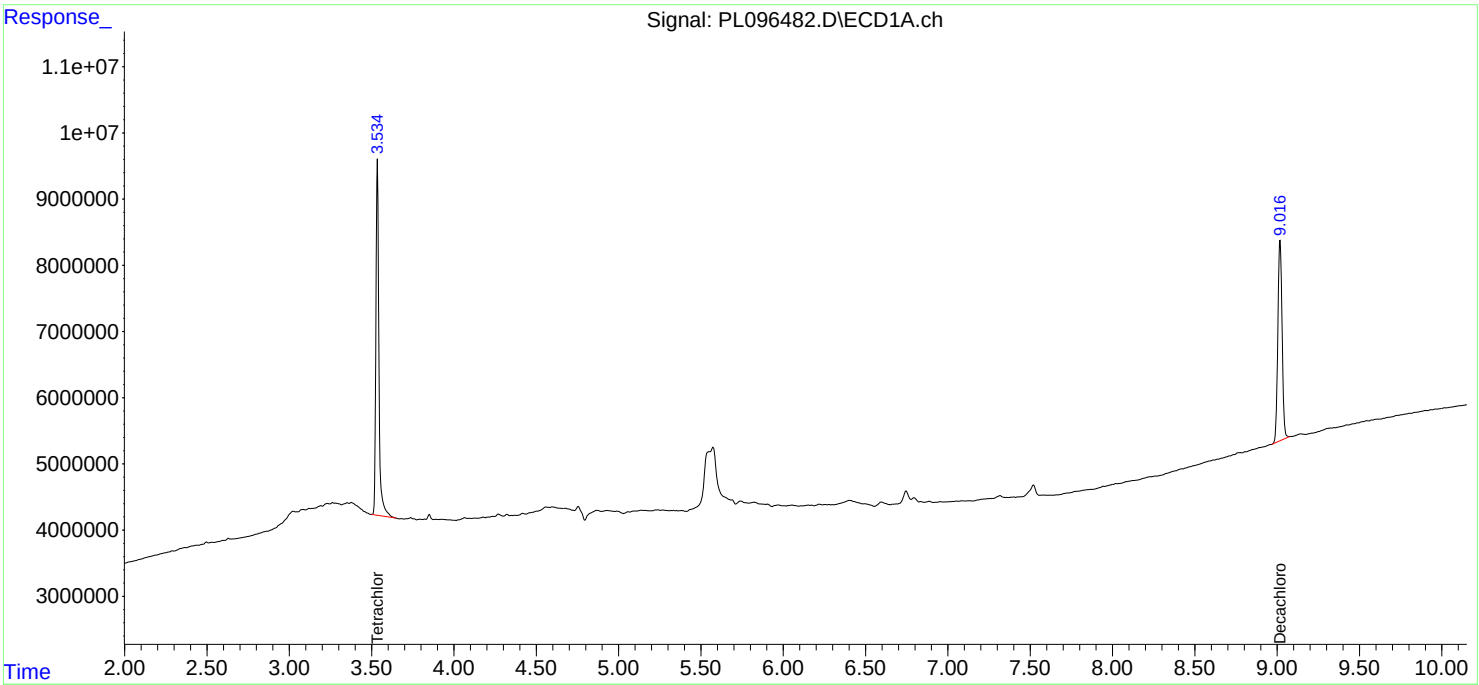
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

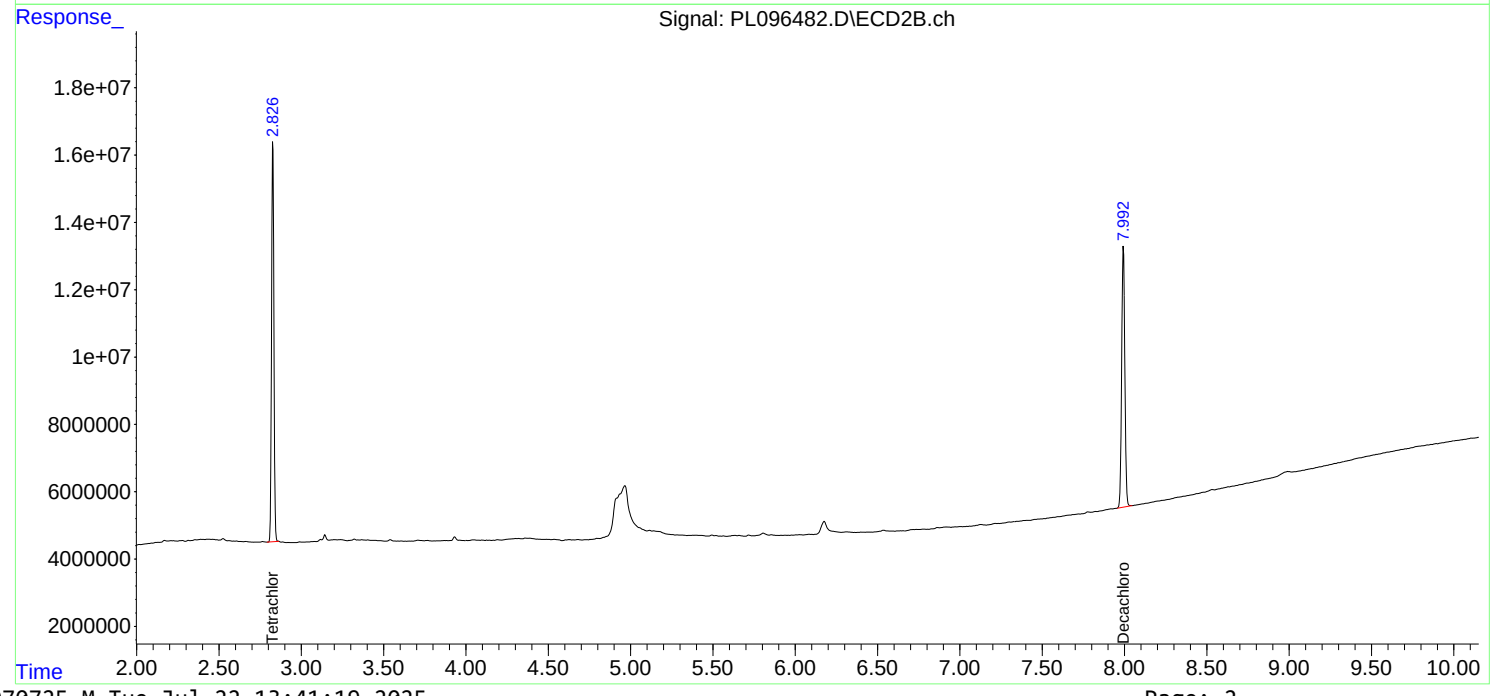
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096482.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:57
Operator : AR\AJ
Sample : PB168928BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

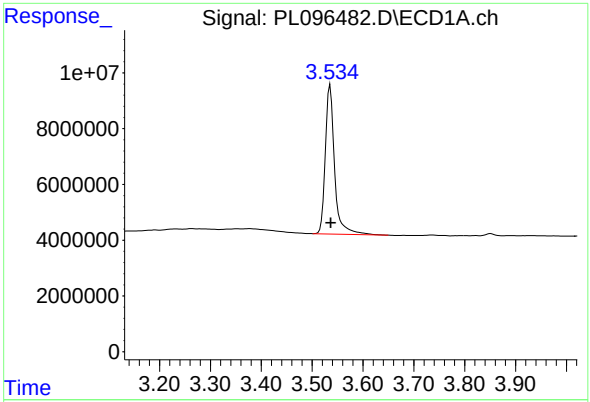
Instrument :
ECD_L
ClientSampleId :
PB168928BL

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



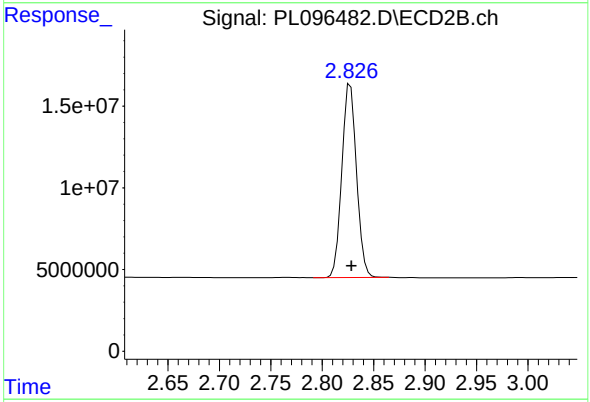




#1 Tetrachloro-m-xylene

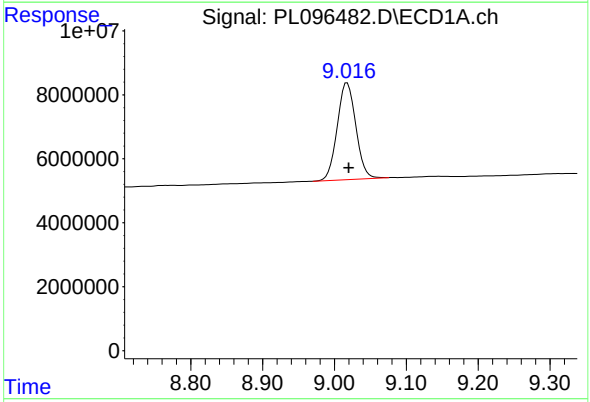
R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 67490709
Conc: 18.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BL



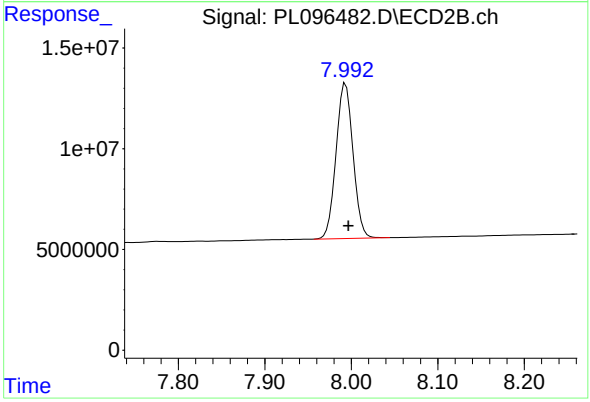
#1 Tetrachloro-m-xylene

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

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Report of Analysis

Client:	Nobis Group	Date Collected:	07/21/25
Project:	Raymark Superfund Site	Date Received:	07/21/25
Client Sample ID:	PIBLK-PD089537.D	SDG No.:	Q2639
Lab Sample ID:	I.BLK-PD089537.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089537.D	1		07/21/25	PD072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.2		30 - 135		106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.9		44 - 124		100%	SPK: 20

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-PD089537.D	SDG No.:	Q2639
Lab Sample ID:	I.BLK-PD089537.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089537.D	1		07/21/25	PD072125

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

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089537.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:08
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 04:41:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.879	53204812	390.1E6	18.465	19.936
28)	SA Decachlor...	9.070	8.070	86998119	504.4E6	21.183	20.530
	Target Compounds						

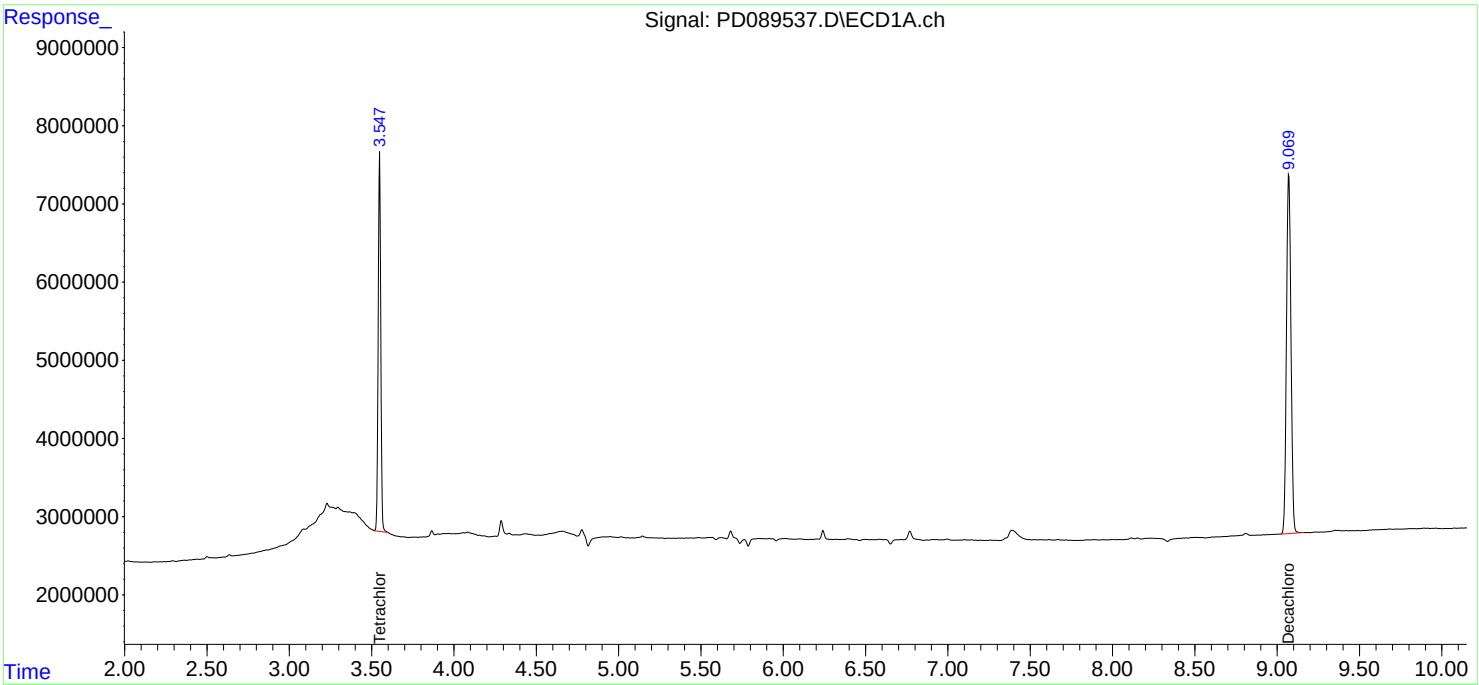
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

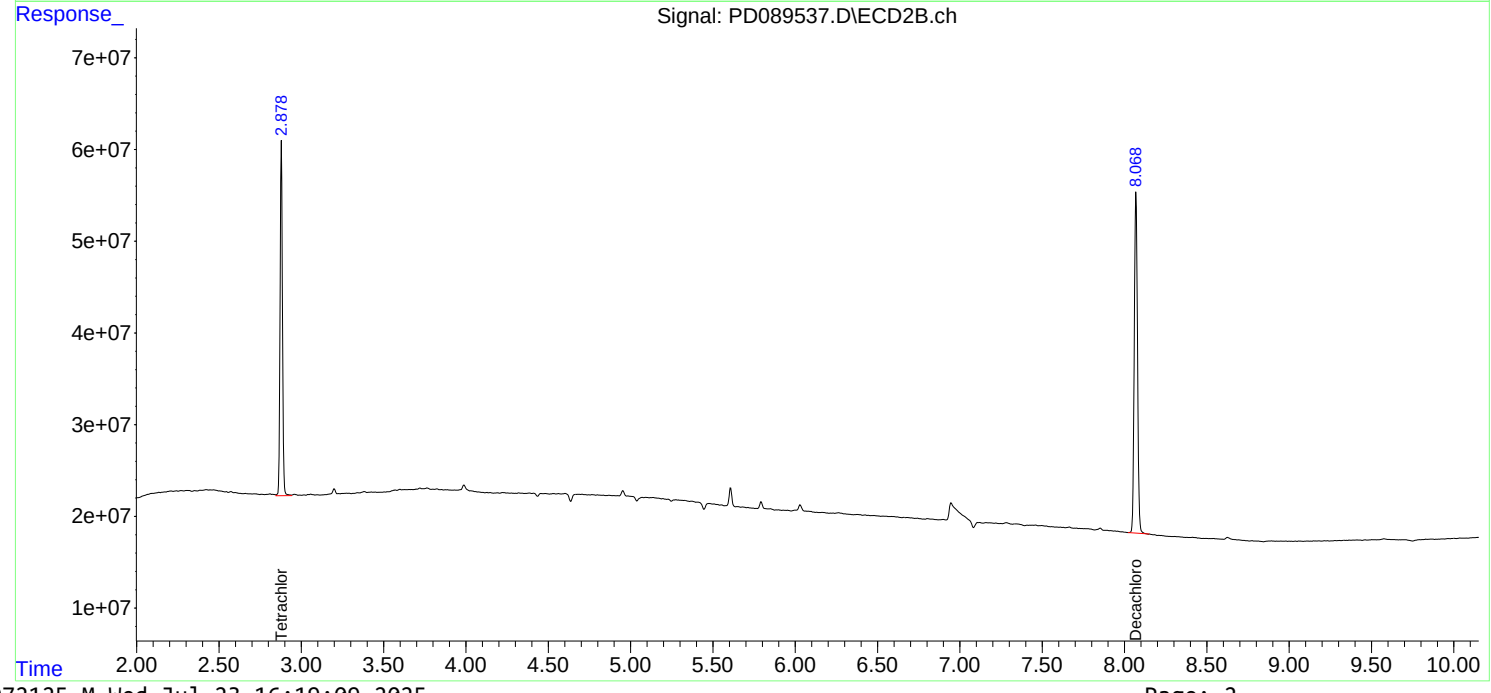
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089537.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:08
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

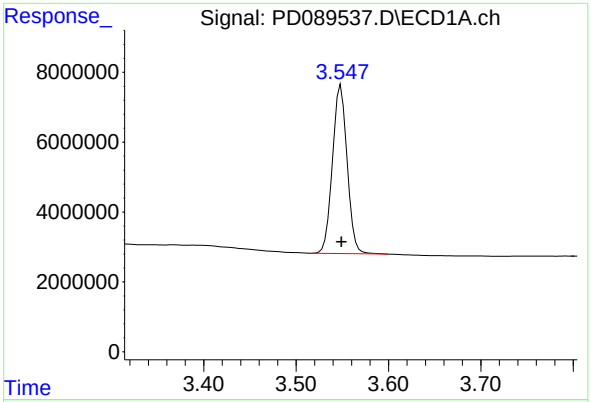
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 04:41:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



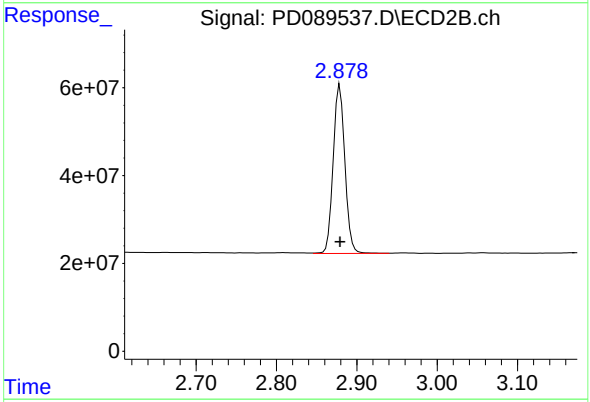




#1 Tetrachloro-m-xylene

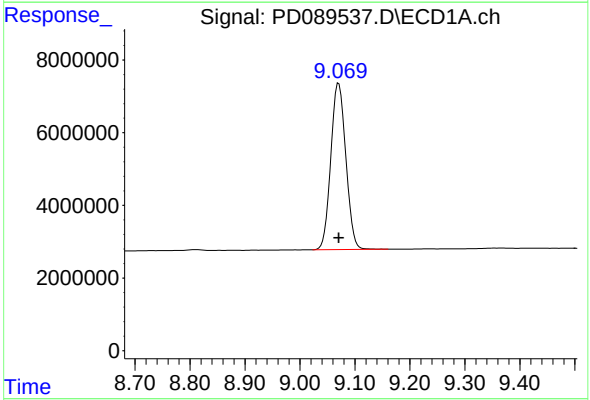
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 53204812
Conc: 18.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



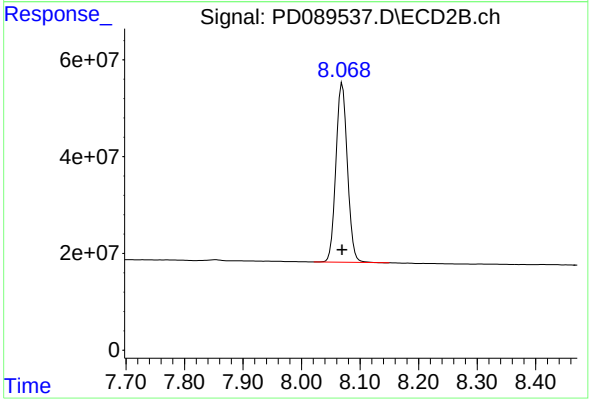
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 390076196
Conc: 19.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 86998119
Conc: 21.18 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: 0.000 min
Response: 504391011
Conc: 20.53 ng/ml

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/23/25
Project:	Raymark Superfund Site	Date Received:	07/23/25
Client Sample ID:	PIBLK-PD089610.D	SDG No.:	Q2639
Lab Sample ID:	I.BLK-PD089610.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089610.D	1		07/23/25	pd072425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.1		30 - 135		116%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.9		44 - 124		110%	SPK: 20

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/23/25
Project:	Raymark Superfund Site	Date Received:	07/23/25
Client Sample ID:	PIBLK-PD089610.D	SDG No.:	Q2639
Lab Sample ID:	I.BLK-PD089610.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089610.D	1		07/23/25	pd072425

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

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089610.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 18:16
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:13:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.879	58272074	428.9E6	20.224	21.920
28)	SA Decachlor...	9.068	8.067	94993189	552.3E6	23.129	22.480
	Target Compounds						

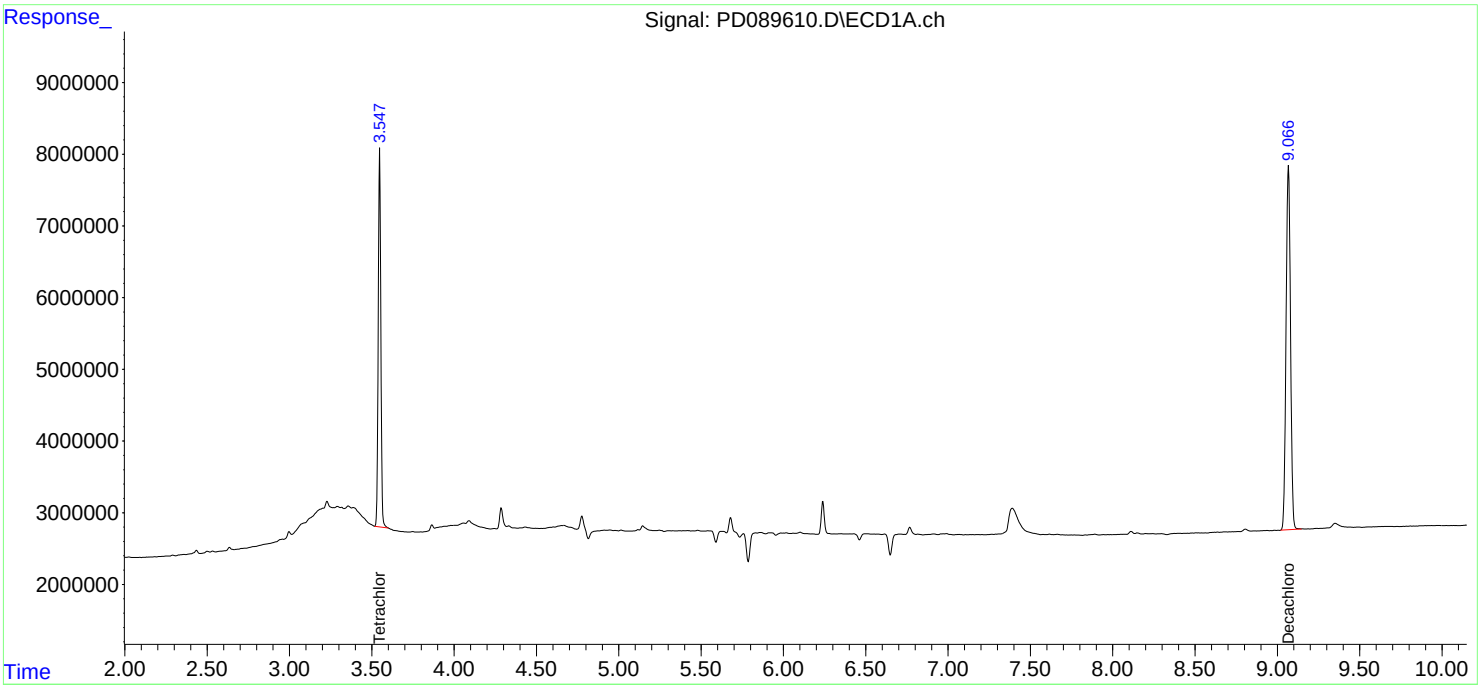
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

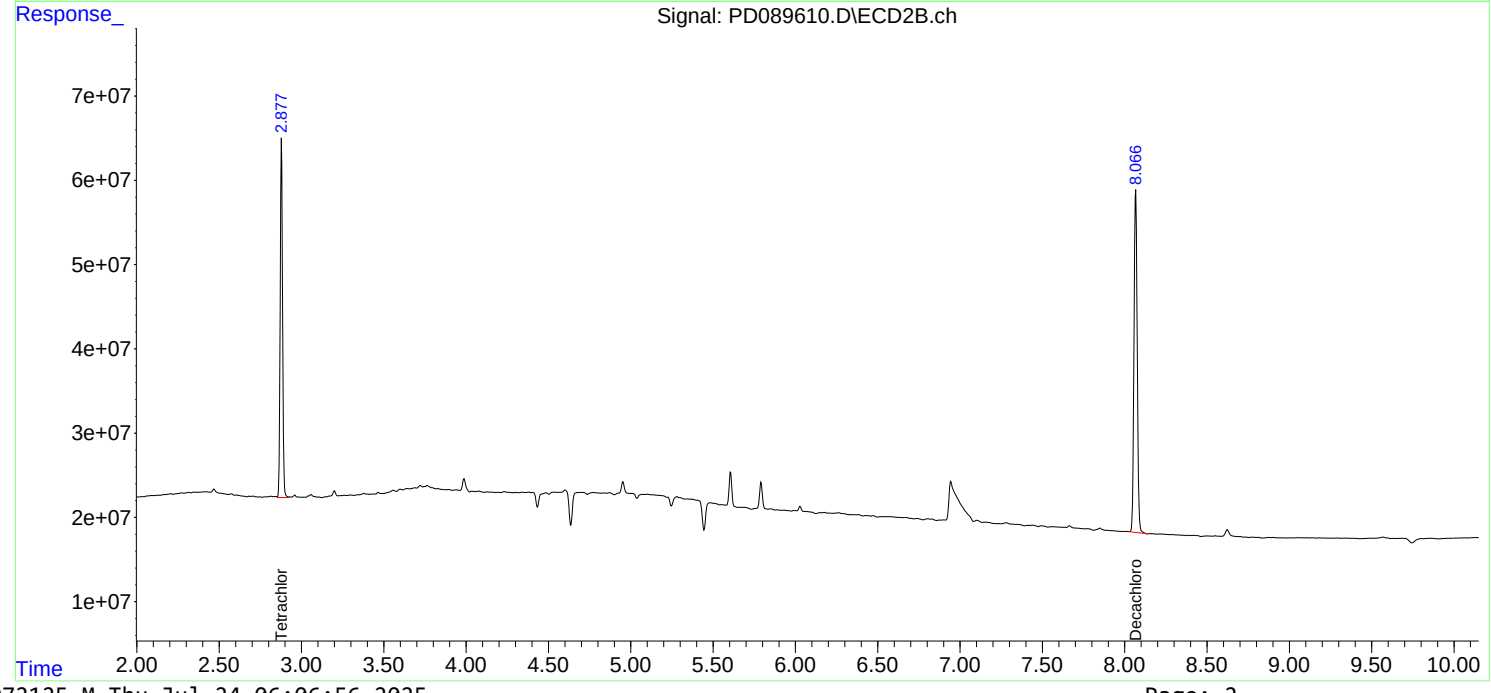
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089610.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 18:16
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

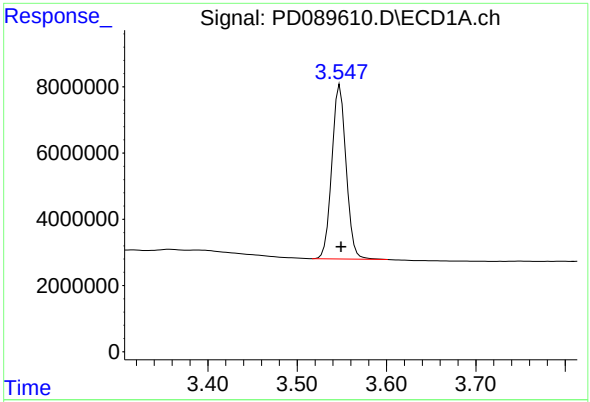
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:13:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



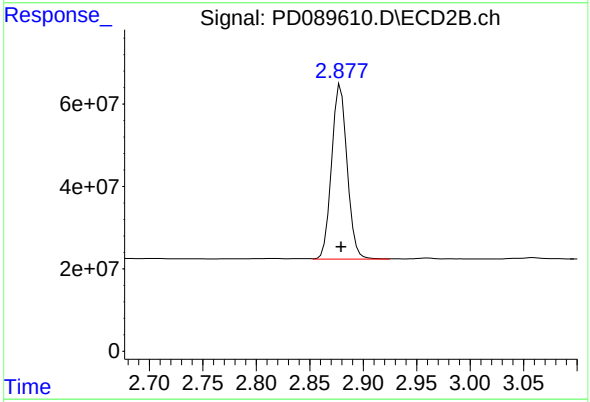




#1 Tetrachloro-m-xylene

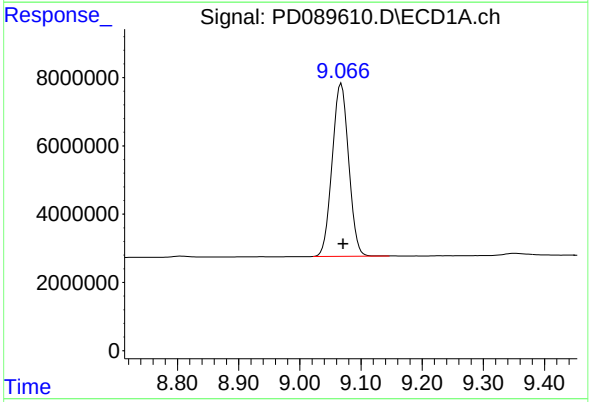
R.T.: 3.548 min
Delta R.T.: -0.001 min
Response: 58272074
Conc: 20.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



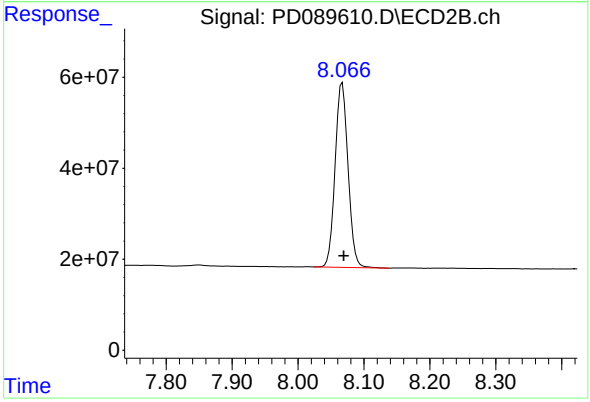
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 428889506
Conc: 21.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 94993189
Conc: 23.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.002 min
Response: 552284983
Conc: 22.48 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/23/25
Project:	Raymark Superfund Site	Date Received:	07/23/25
Client Sample ID:	PIBLK-PD089619.D	SDG No.:	Q2639
Lab Sample ID:	I.BLK-PD089619.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
PD089619.D	1		07/23/25	pd072425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.00050	U	0.00017	0.00050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.3		30 - 135		101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.5		44 - 124		113%	SPK: 20

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/23/25
Project:	Raymark Superfund Site	Date Received:	07/23/25
Client Sample ID:	PIBLK-PD089619.D	SDG No.:	Q2639
Lab Sample ID:	I.BLK-PD089619.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
PD089619.D	1		07/23/25	pd072425

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

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089619.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 20:46
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:15:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.548	2.879	59805500	440.4E6	20.756	22.506
28)	SA Decachlor...	9.065	8.067	83283753	427.0E6	20.278	17.380
	Target Compounds						

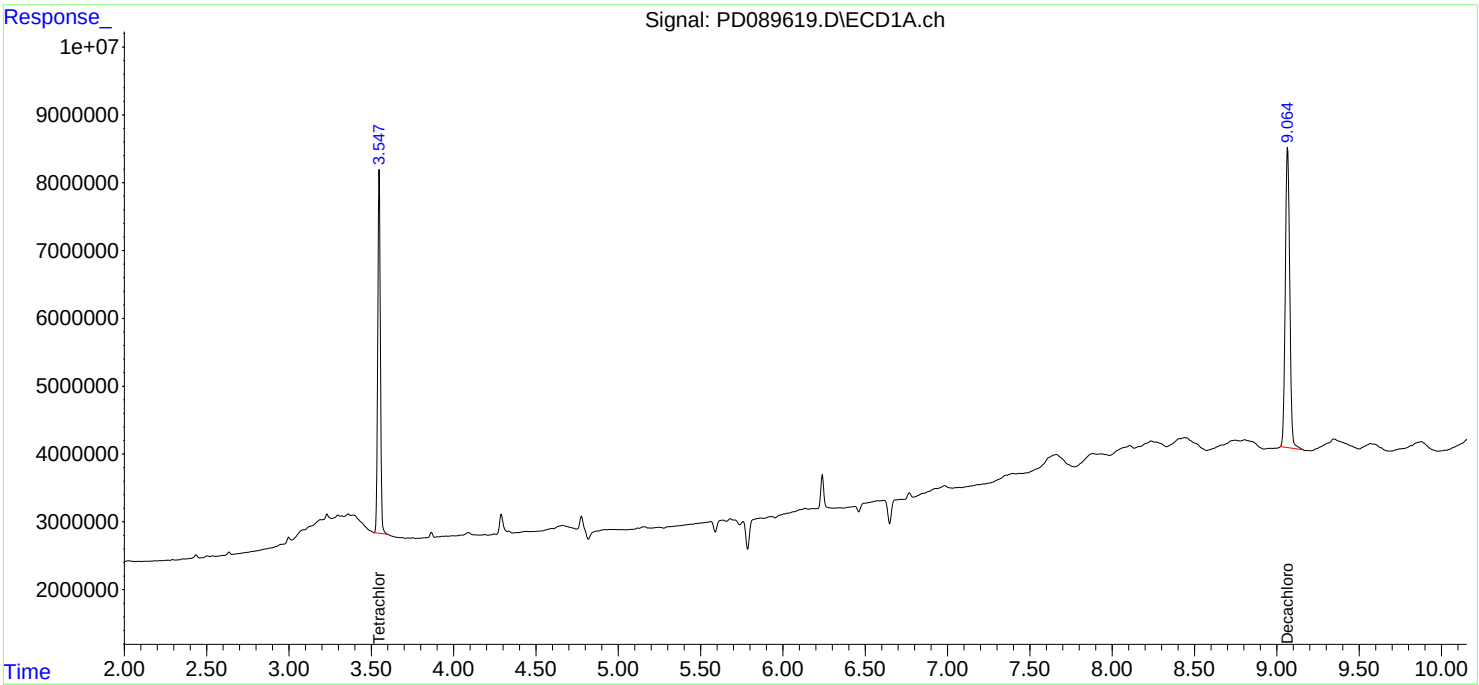
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

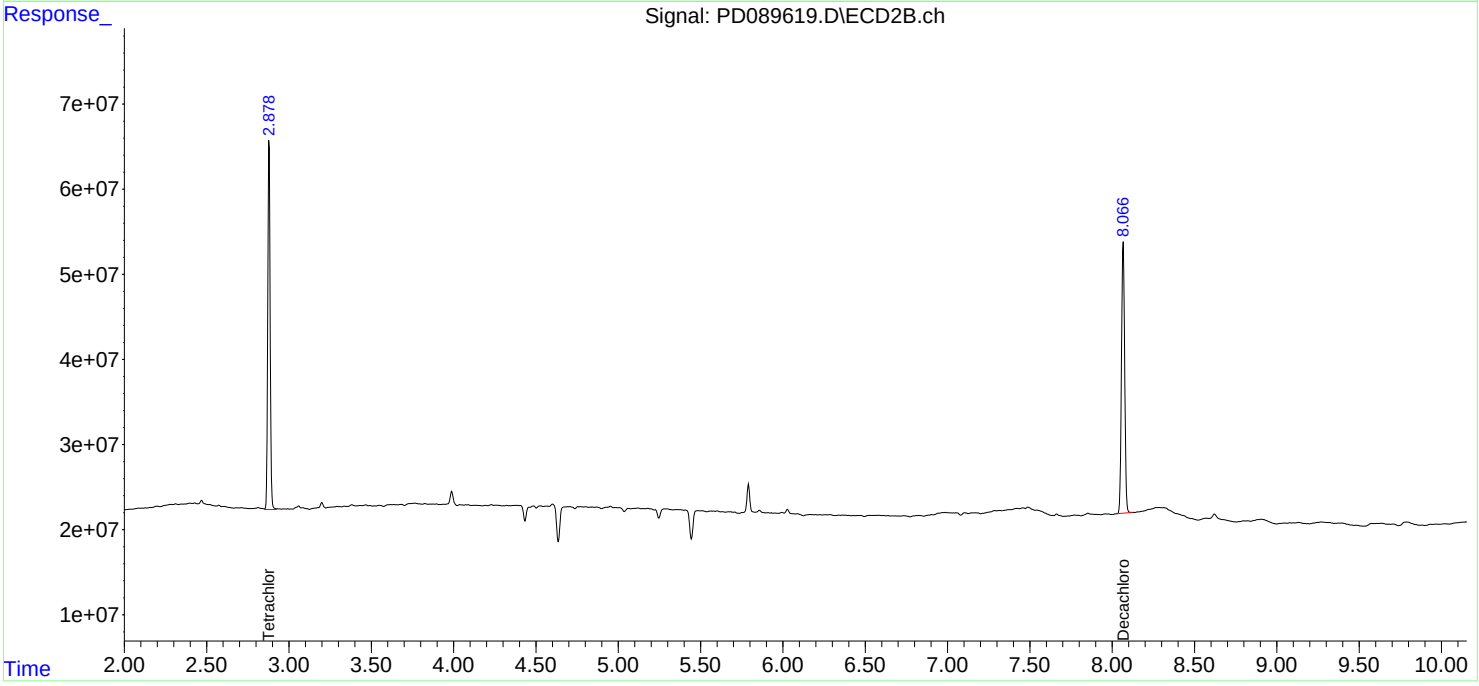
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089619.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 20:46
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

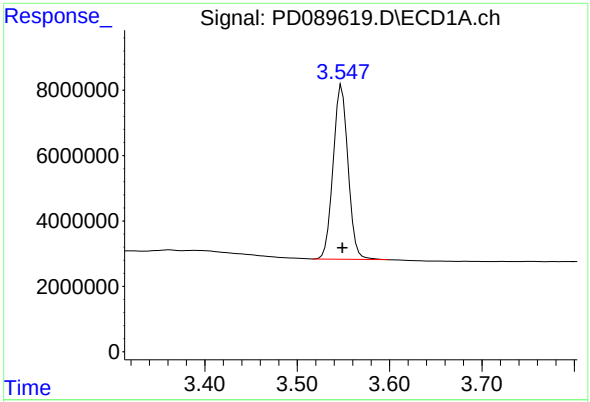
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:15:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



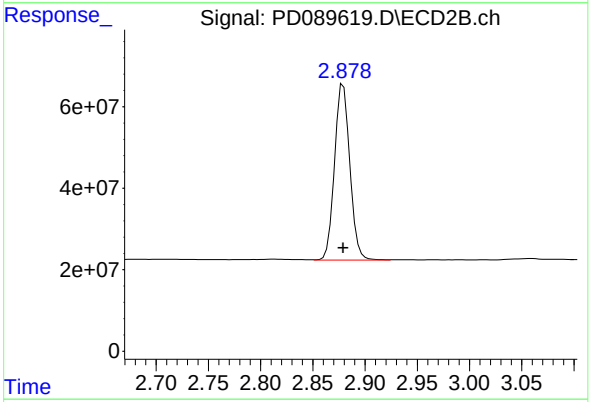




#1 Tetrachloro-m-xylene

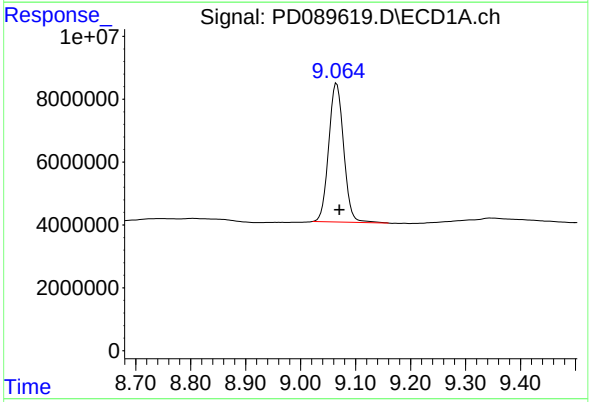
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 59805500
Conc: 20.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



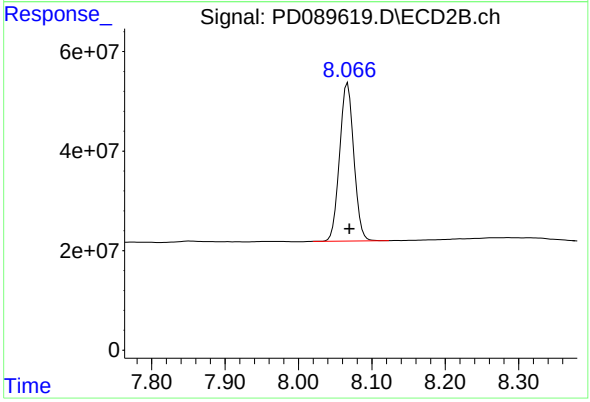
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 440362532
Conc: 22.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: -0.005 min
Response: 83283753
Conc: 20.28 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.002 min
Response: 426990007
Conc: 17.38 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:	07/24/25
Project:	Raymark Superfund Site	Date Received:	07/24/25
Client Sample ID:	PIBLK-PD089627.D	SDG No.:	Q2639
Lab Sample ID:	I.BLK-PD089627.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
PD089627.D	1		07/24/25	pd072525

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	24.3		30 - 135		121%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.4		44 - 124		122%	SPK: 20

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/24/25
Project:	Raymark Superfund Site	Date Received:	07/24/25
Client Sample ID:	PIBLK-PD089627.D	SDG No.:	Q2639
Lab Sample ID:	I.BLK-PD089627.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
PD089627.D	1		07/24/25	pd072525

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

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072525\
Data File : PD089627.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 16:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:32:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.555	2.877	67730882	477.8E6	23.507	24.421
28)	SA Decachlor...	9.079	8.070	99787703	565.5E6	24.297	23.019
	Target Compounds						

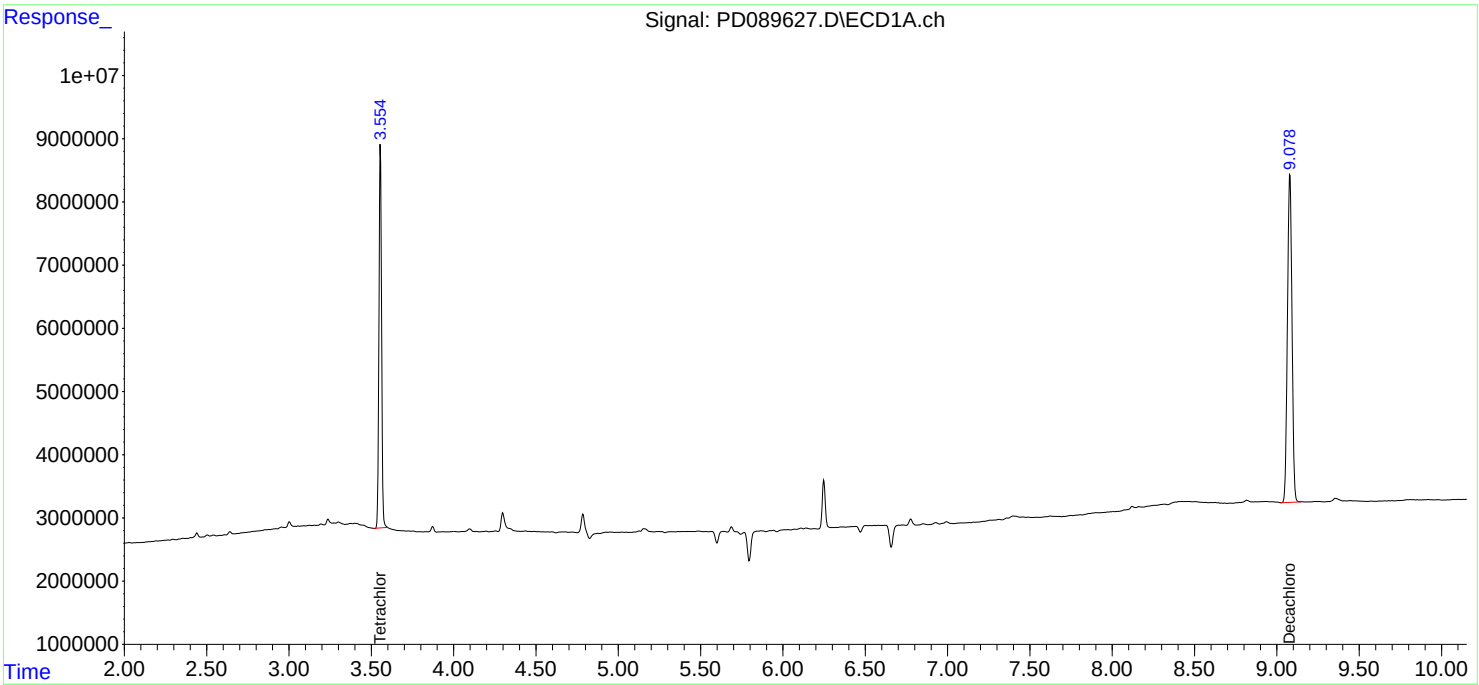
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

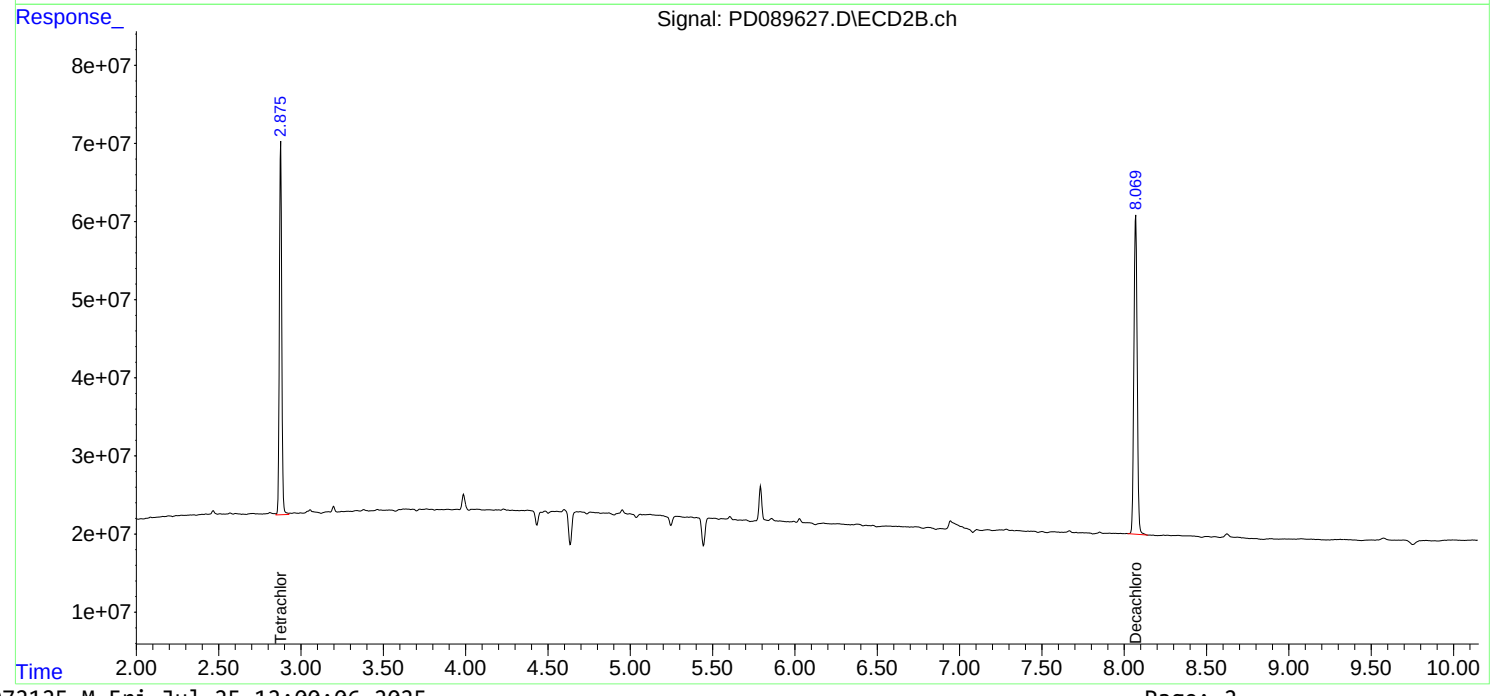
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072525\
Data File : PD089627.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 16:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

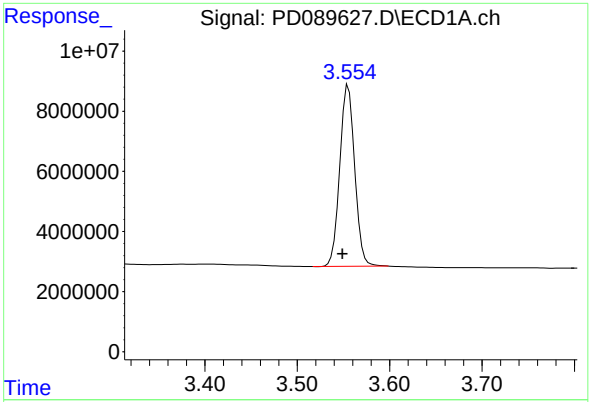
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:32:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



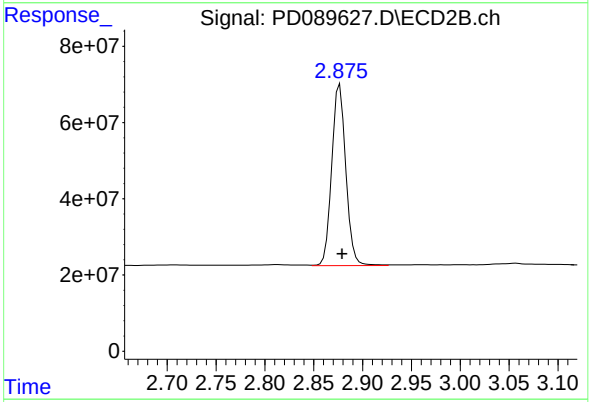




#1 Tetrachloro-m-xylene

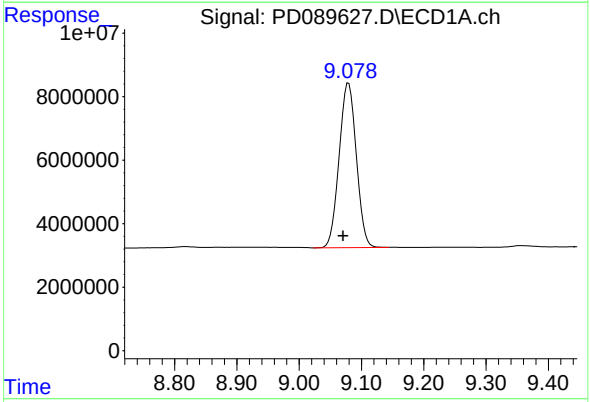
R.T.: 3.555 min
Delta R.T.: 0.006 min
Response: 67730882
Conc: 23.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



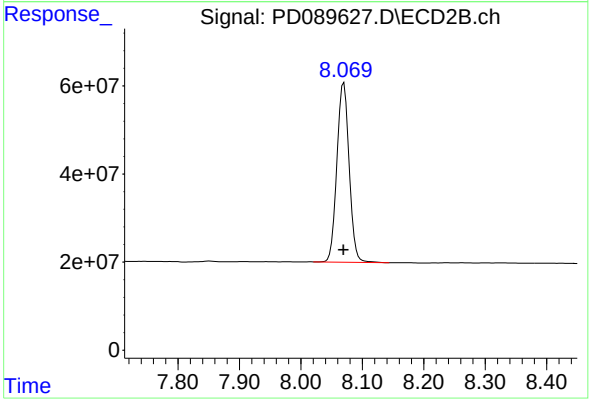
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: -0.002 min
Response: 477827273
Conc: 24.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.079 min
Delta R.T.: 0.009 min
Response: 99787703
Conc: 24.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: 0.000 min
Response: 565540965
Conc: 23.02 ng/ml

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Report of Analysis

Client:	Nobis Group	Date Collected:	07/24/25
Project:	Raymark Superfund Site	Date Received:	07/24/25
Client Sample ID:	PIBLK-PD089632.D	SDG No.:	Q2639
Lab Sample ID:	I.BLK-PD089632.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
PD089632.D	1		07/24/25	pd072525

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	22.8		30 - 135		114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.7		44 - 124		123%	SPK: 20

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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	07/24/25
Project:	Raymark Superfund Site	Date Received:	07/24/25
Client Sample ID:	PIBLK-PD089632.D	SDG No.:	Q2639
Lab Sample ID:	I.BLK-PD089632.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
PD089632.D	1		07/24/25	pd072525

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

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072525\
Data File : PD089632.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 18:53
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:34:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.549	2.879	67484967	483.1E6	23.421	24.690
28)	SA Decachlor...	9.068	8.067	93803191	513.7E6	22.840	20.909
	Target Compounds						

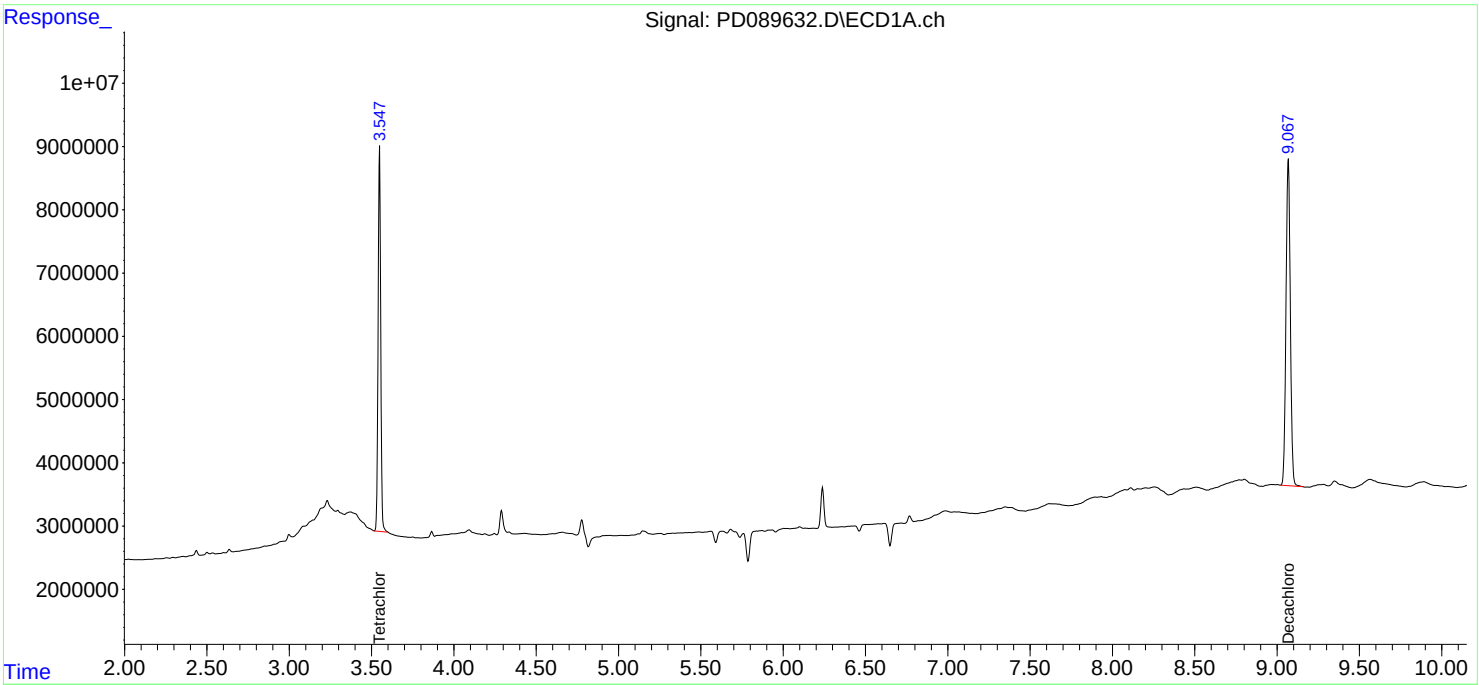
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

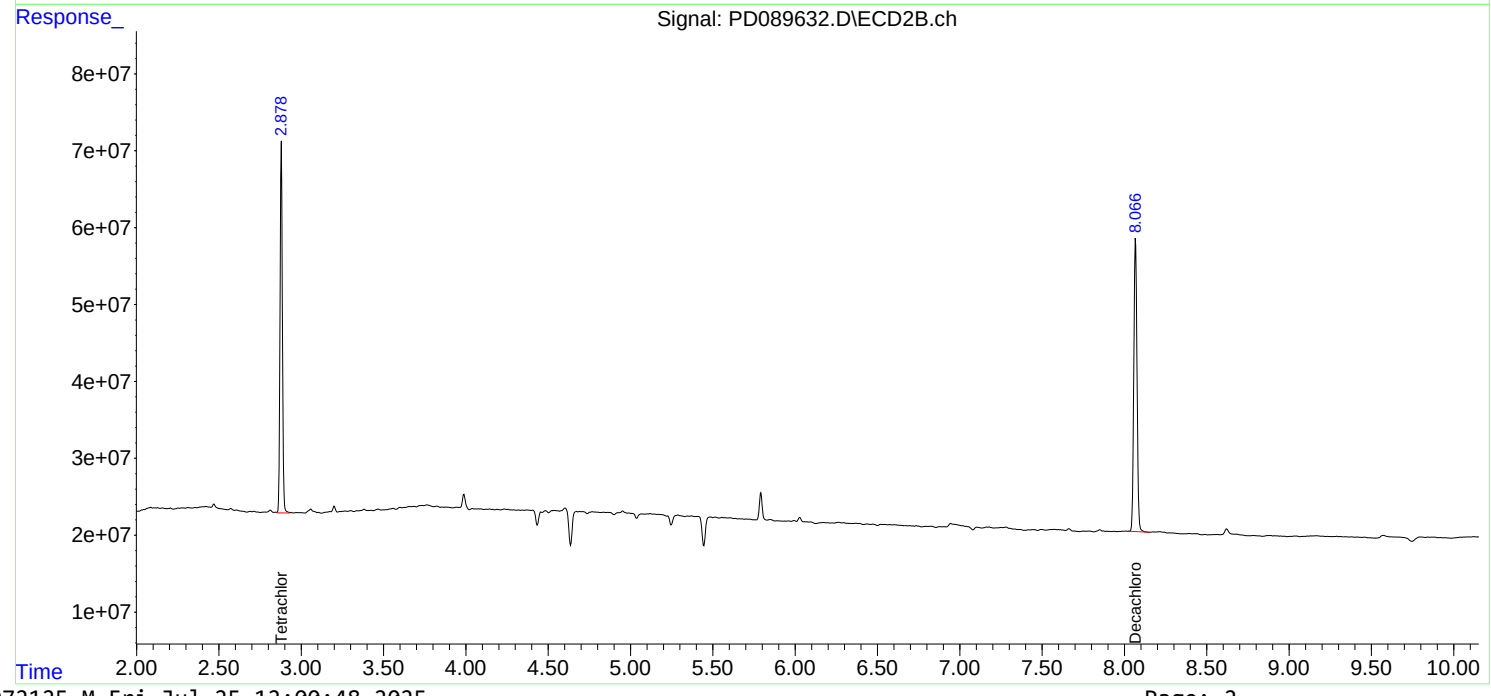
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072525\
Data File : PD089632.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 18:53
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

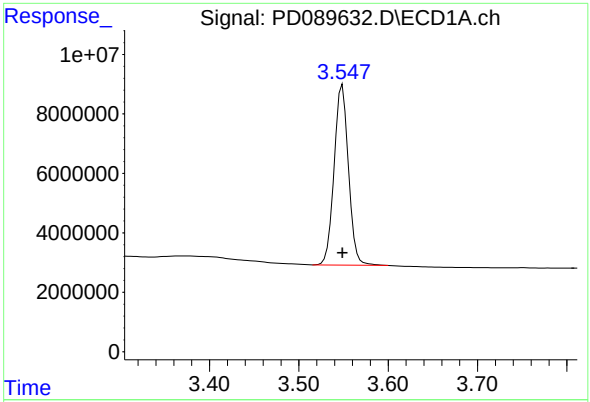
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:34:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



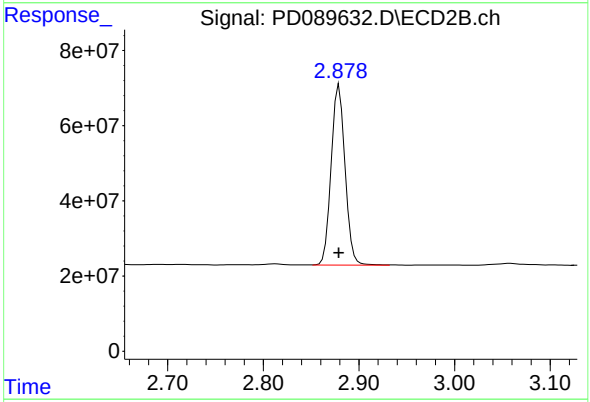




#1 Tetrachloro-m-xylene

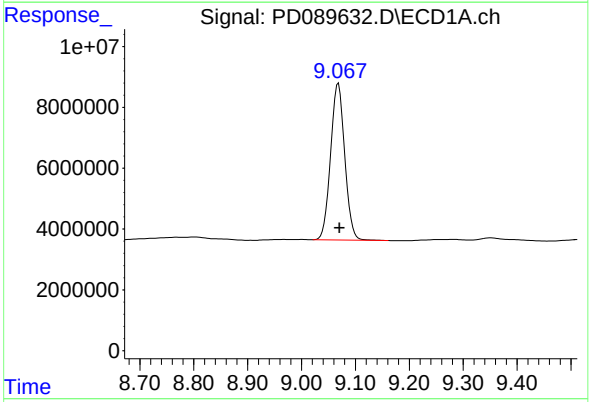
R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 67484967
Conc: 23.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



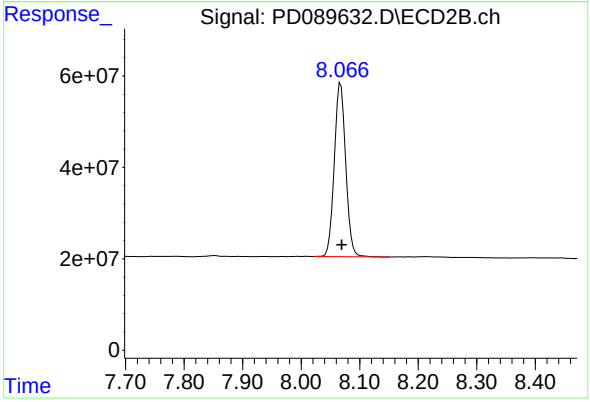
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 483078908
Conc: 24.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.002 min
Response: 93803191
Conc: 22.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.002 min
Response: 513695880
Conc: 20.91 ng/ml

Alliance TECHNICAL GROUP
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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.:	Q2639
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.:	Q2639
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						

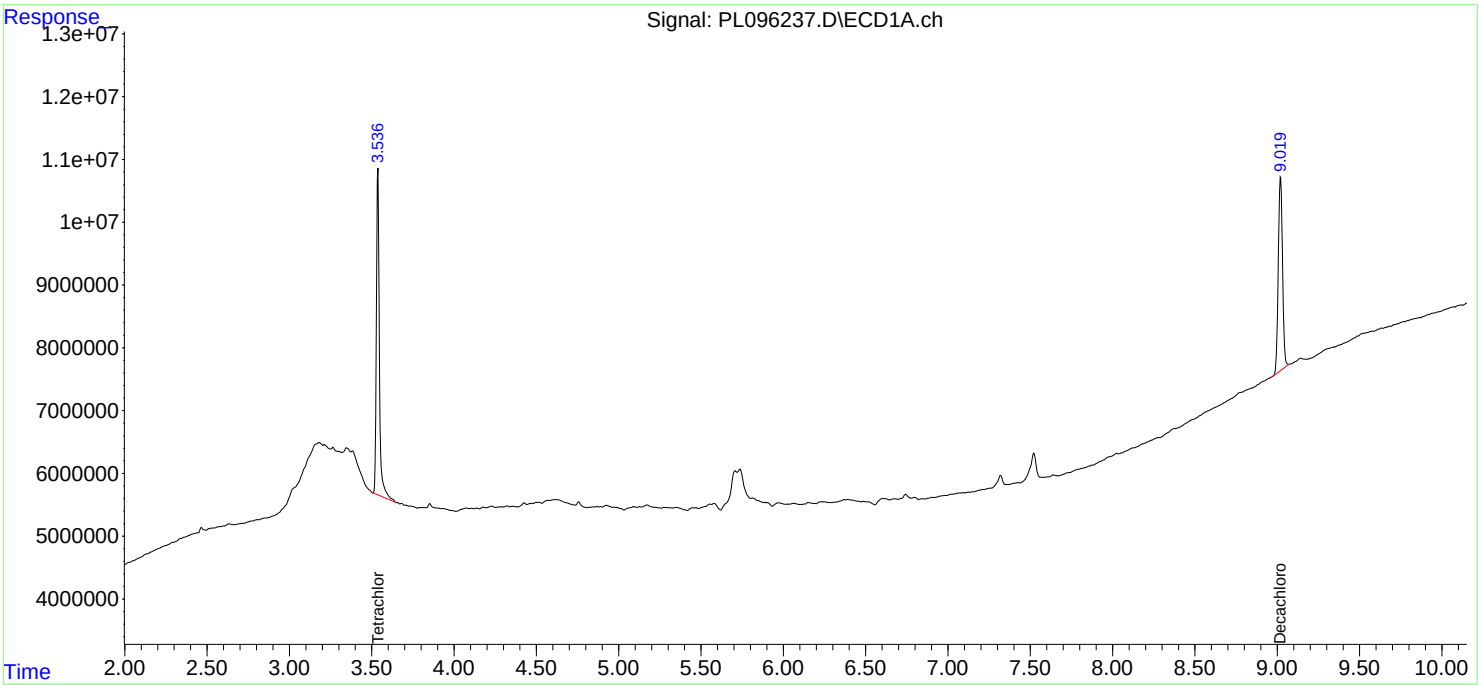
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

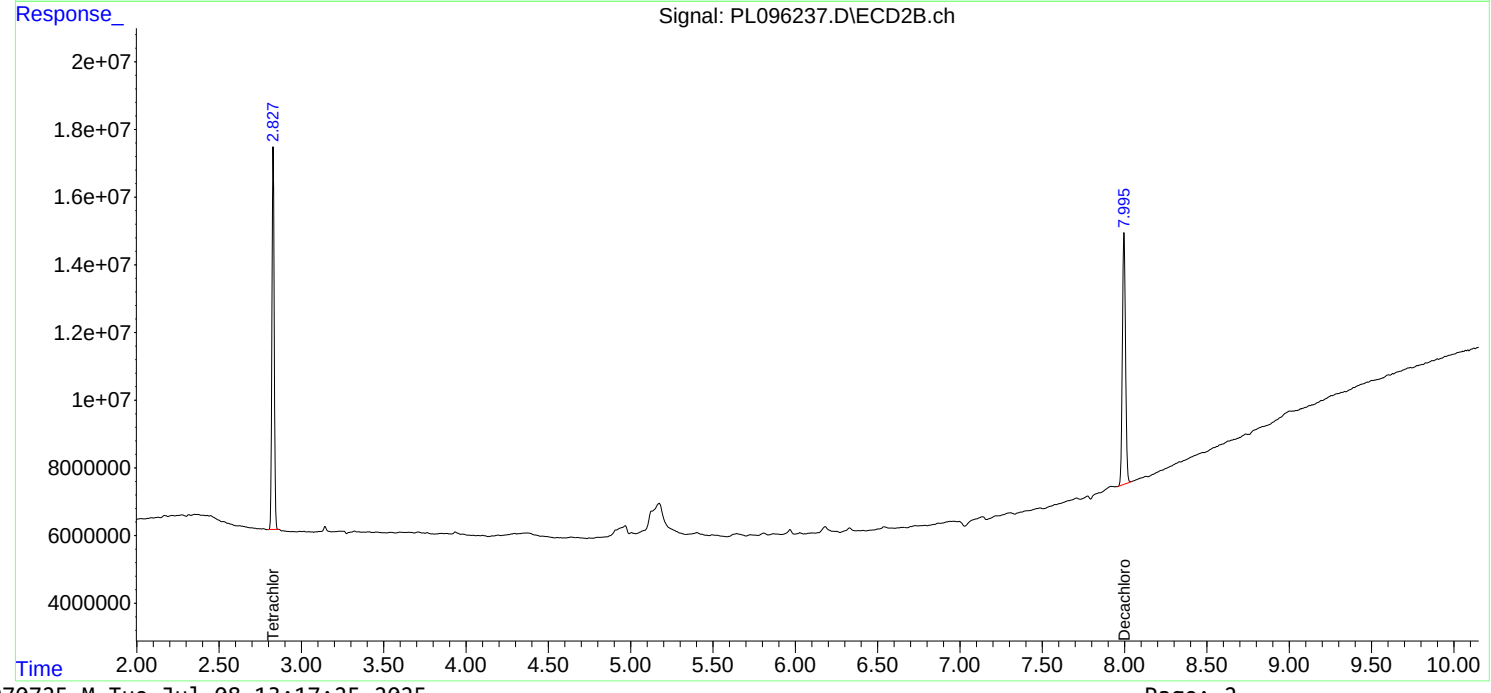
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096237.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

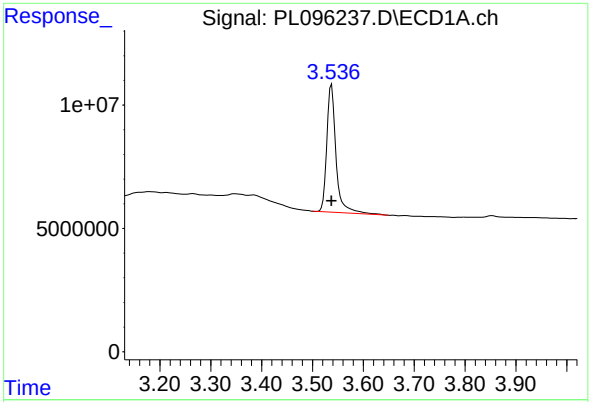
Instrument :
ECD_L
ClientSampleId :
I.BLK

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



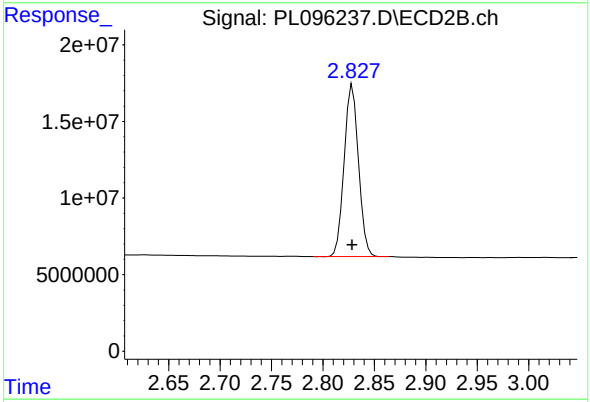




#1 Tetrachloro-m-xylene

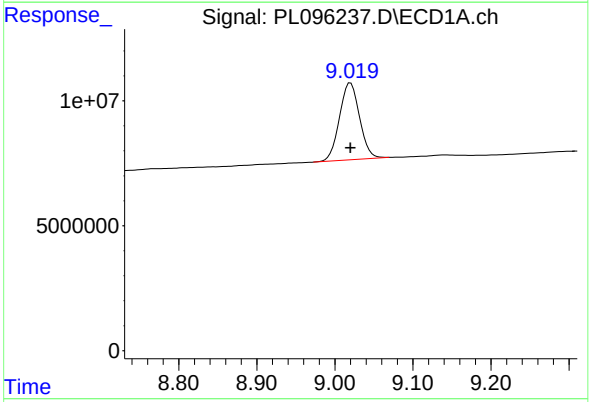
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 65245651
Conc: 17.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



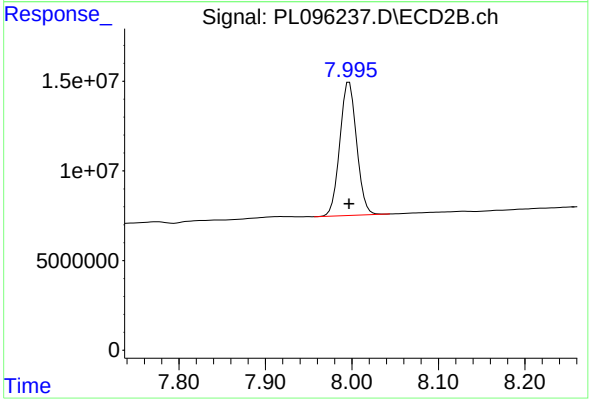
#1 Tetrachloro-m-xylene

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

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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.:	Q2639
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
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.:	Q2639
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						

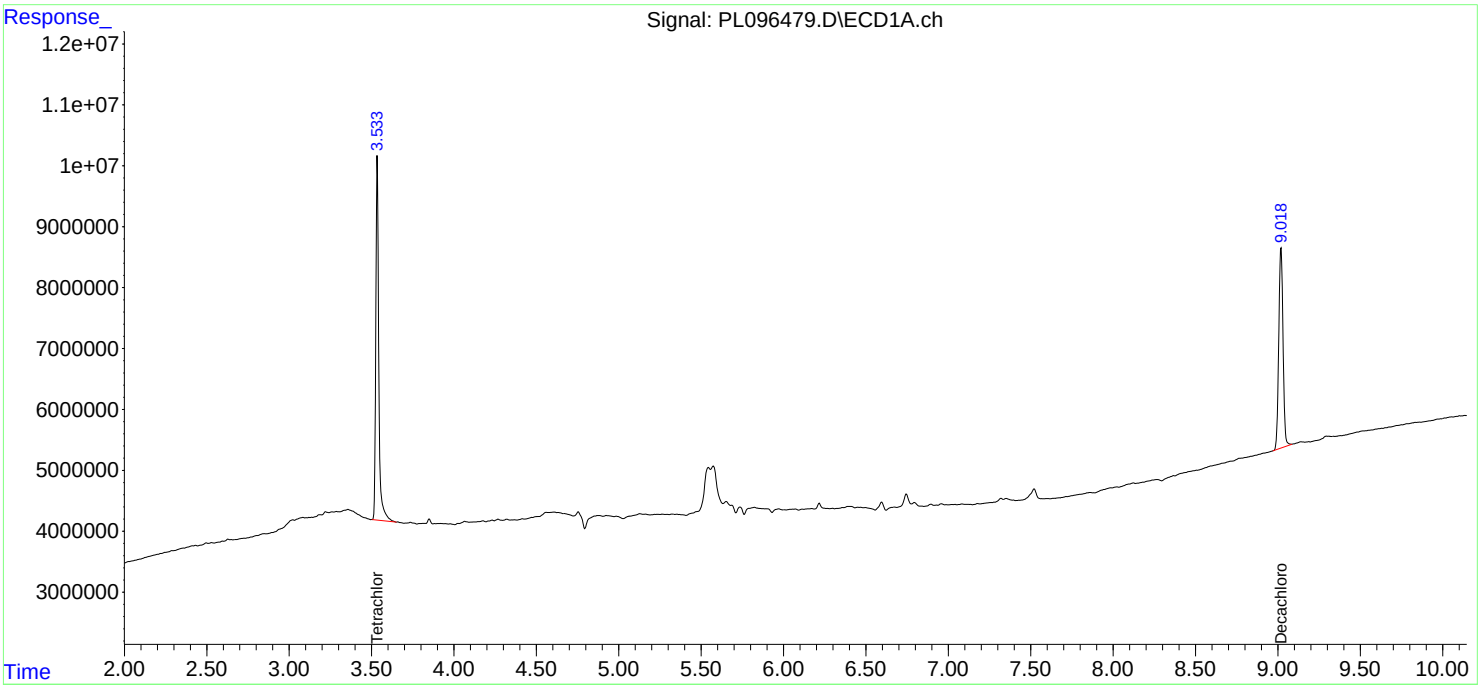
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

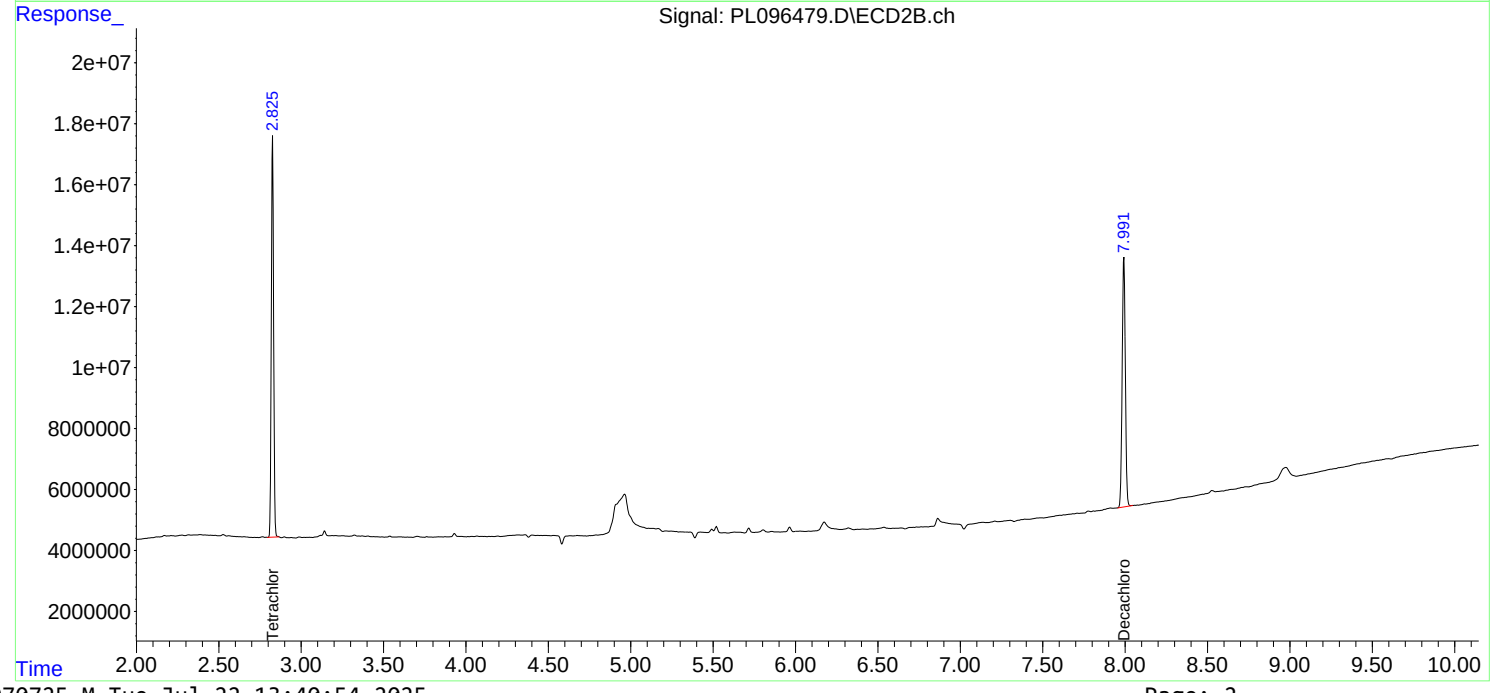
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096479.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 11:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

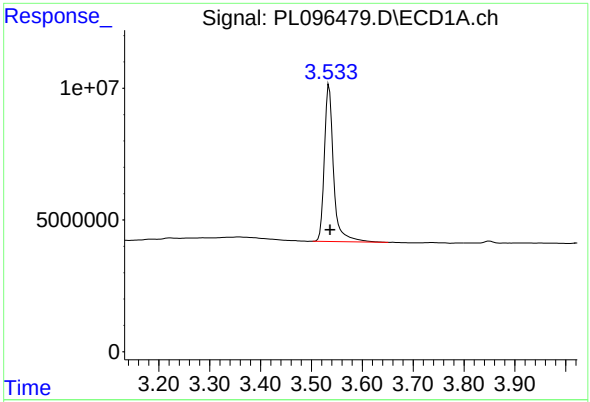
Instrument :
ECD_L
ClientSampleId :
I.BLK

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



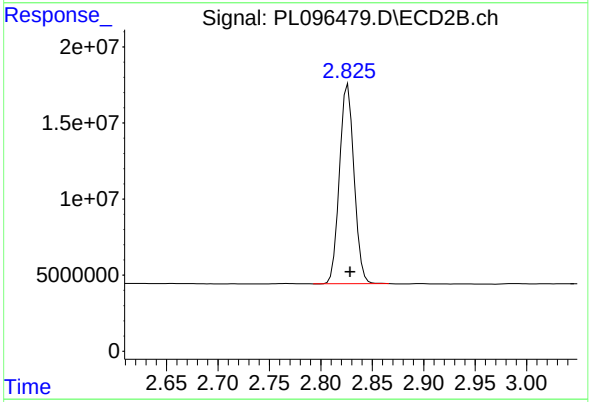




#1 Tetrachloro-m-xylene

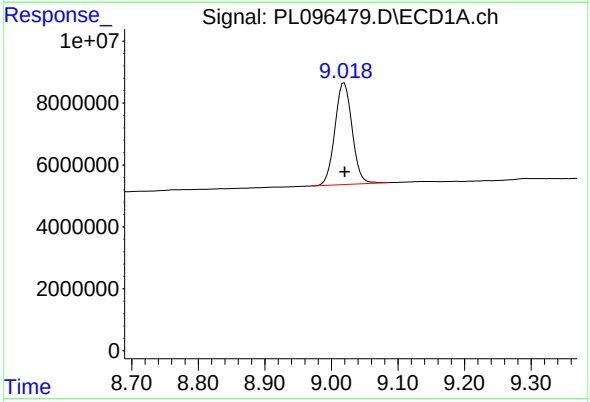
R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 74869454
Conc: 20.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



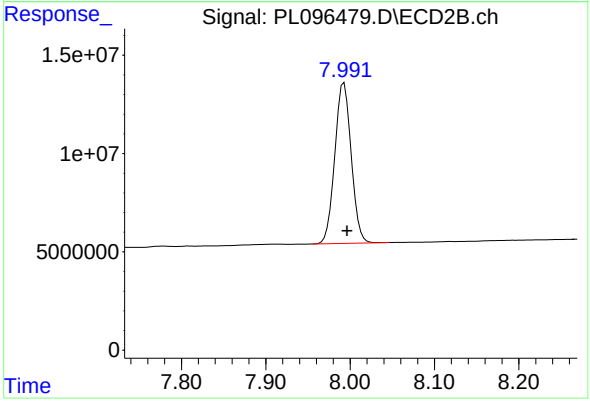
#1 Tetrachloro-m-xylene

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

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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-PL096492.D	SDG No.:	Q2639
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
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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.:	Q2639
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						

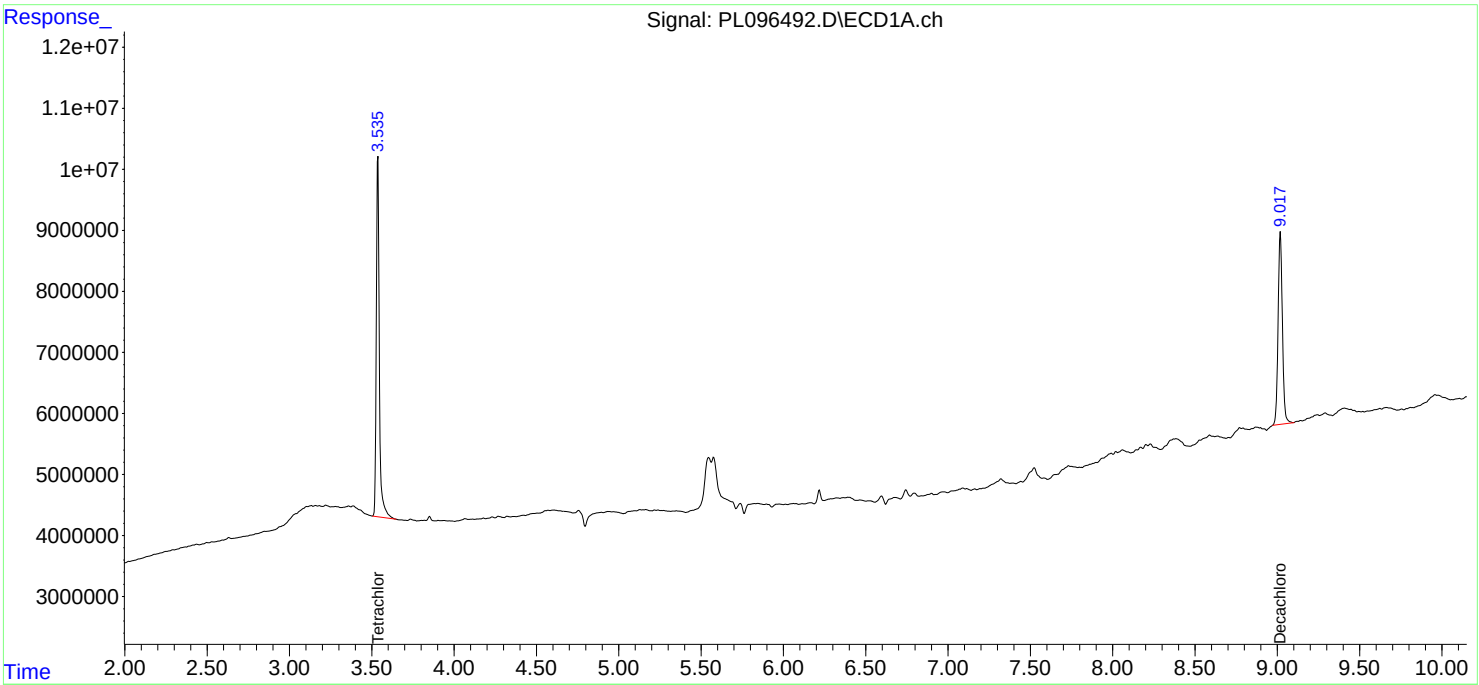
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

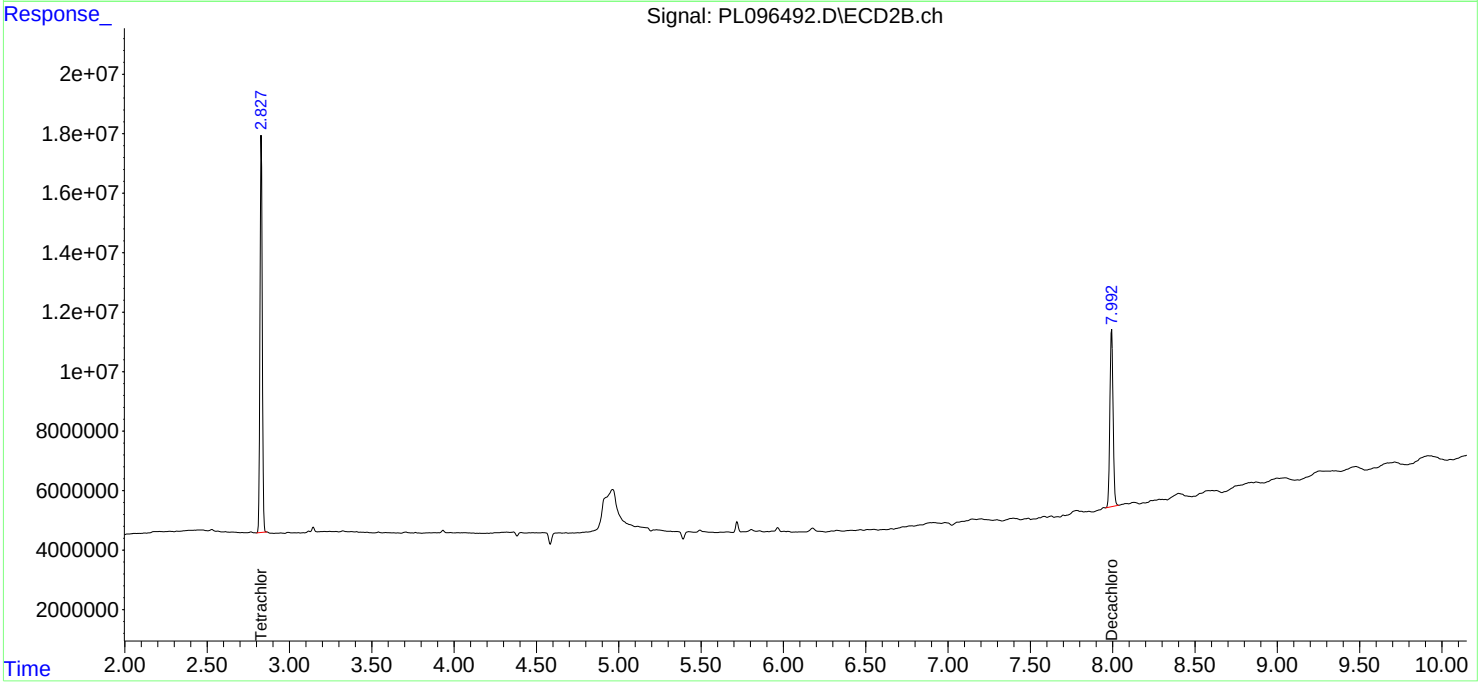
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096492.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 15:40
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

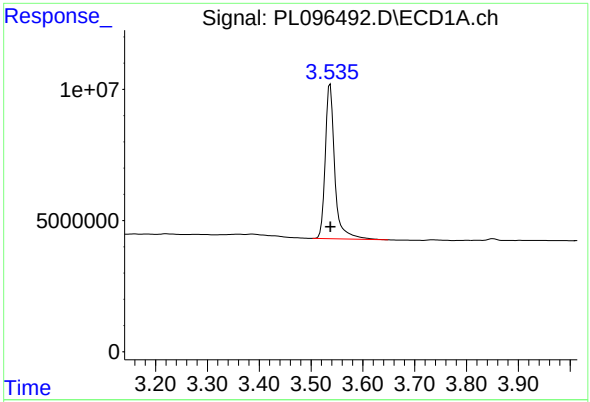
Instrument :
ECD_L
ClientSampleId :
I.BLK

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



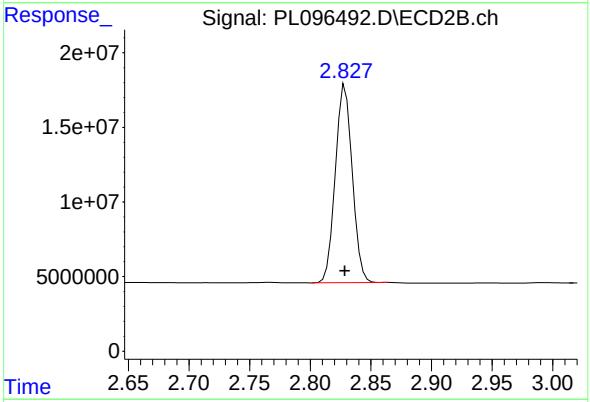




#1 Tetrachloro-m-xylene

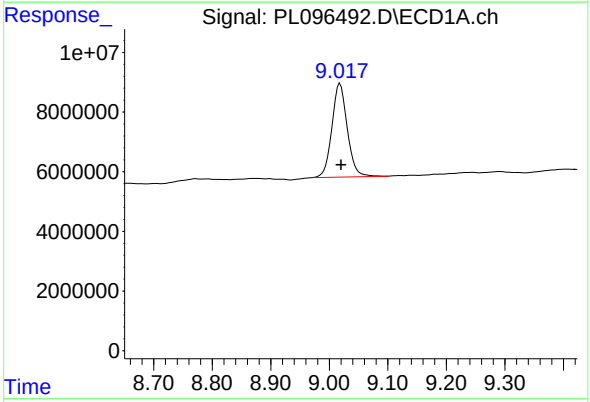
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 74975727
Conc: 20.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



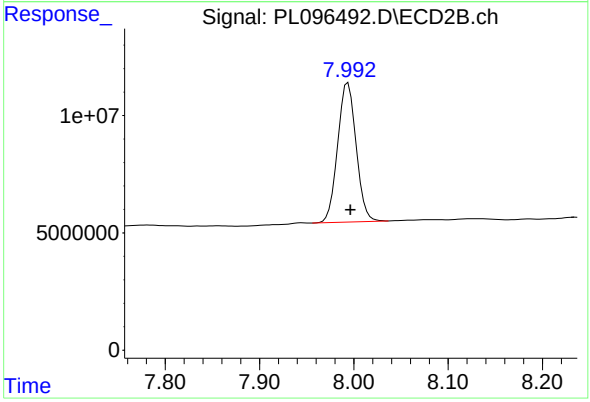
#1 Tetrachloro-m-xylene

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:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB168928BS	SDG No.:	Q2639
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

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.:	Q2639
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

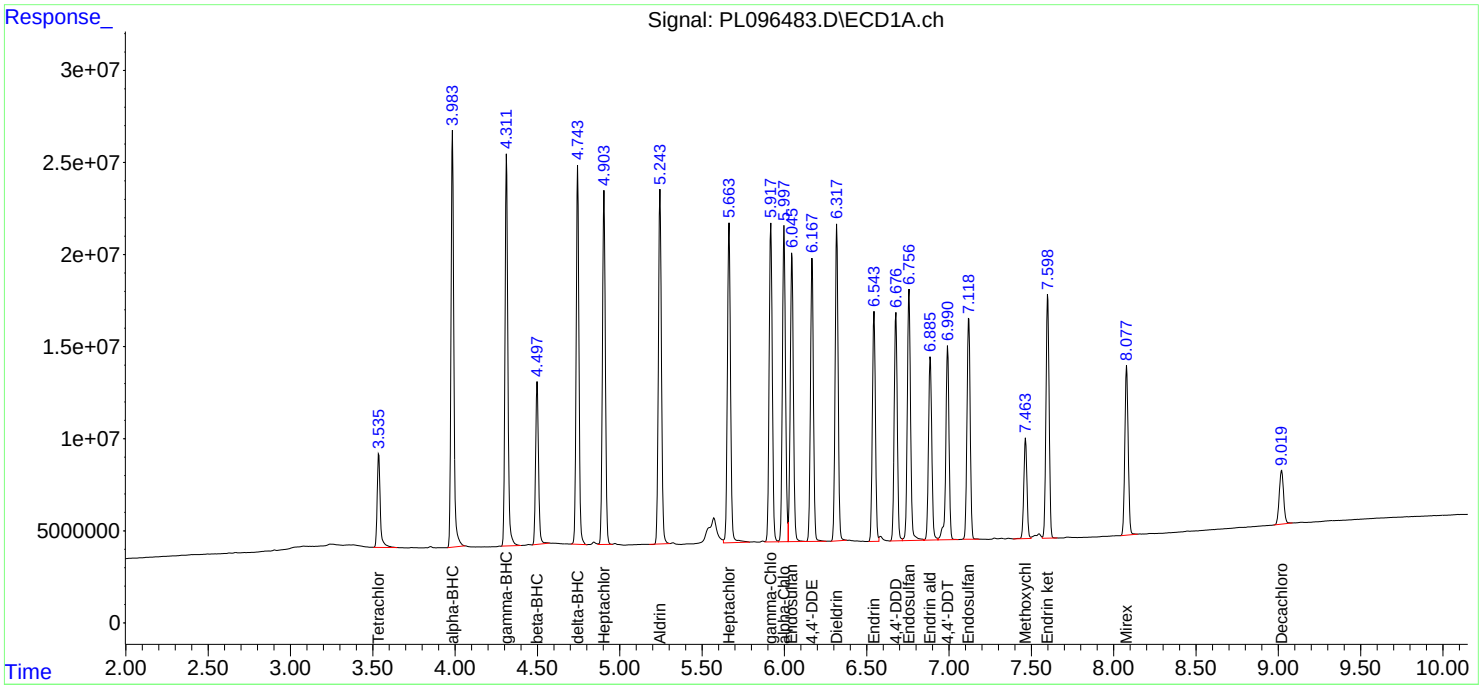
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

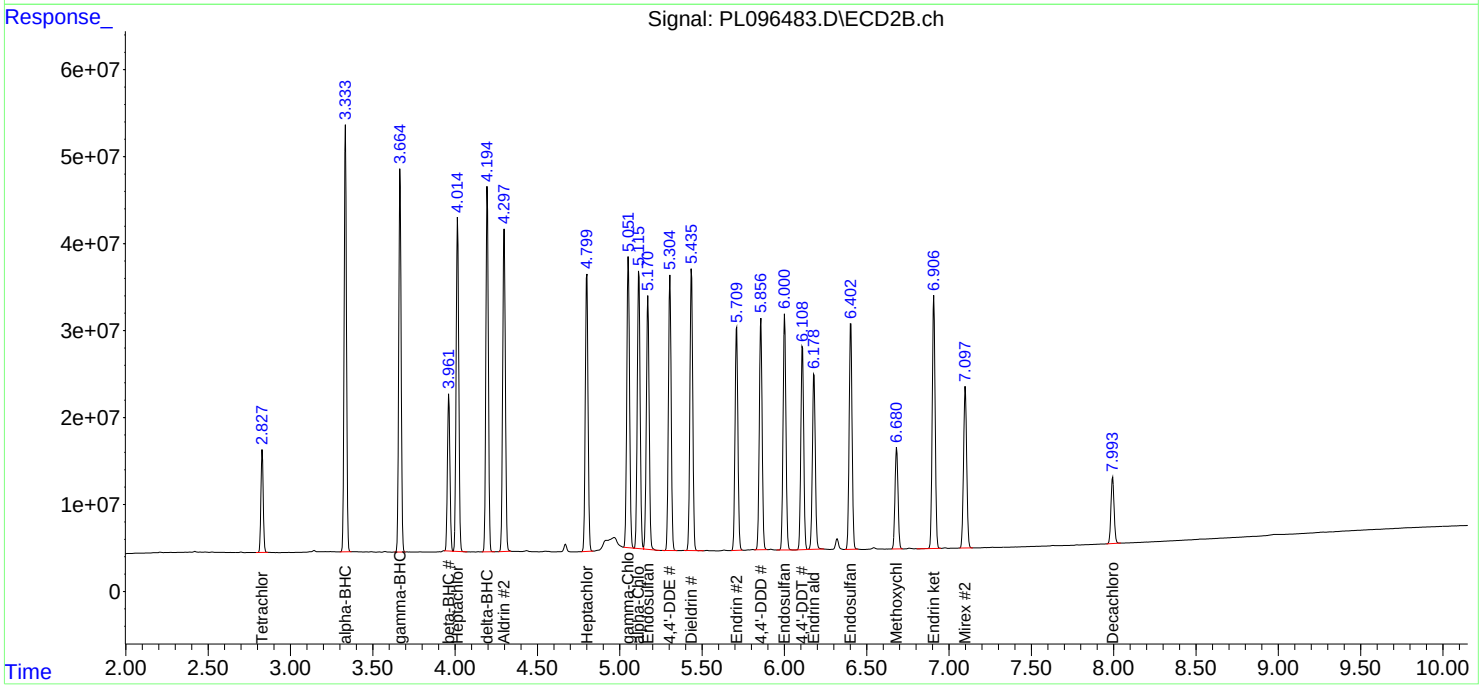
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096483.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 13:11
Operator : AR\AJ
Sample : PB168928BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

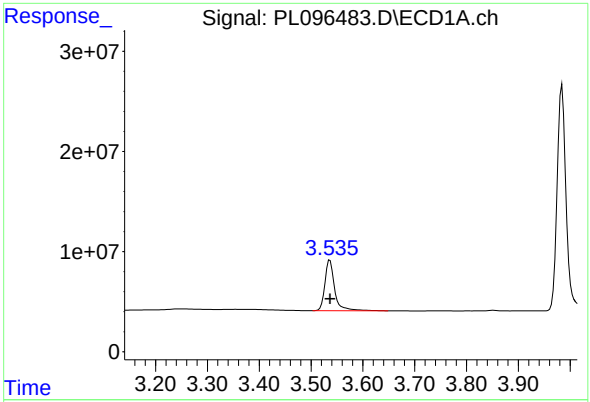
Instrument :
ECD_L
ClientSampleId :
PB168928BS

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
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



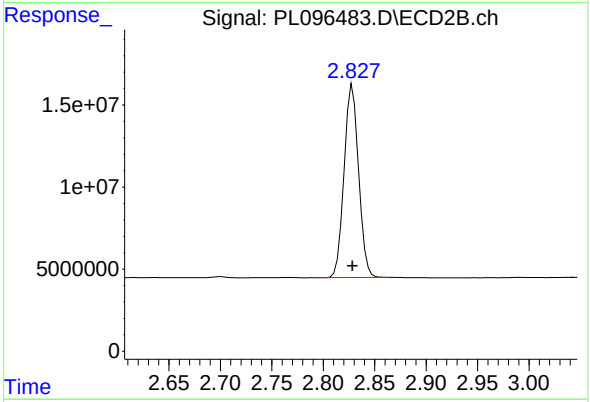




#1 Tetrachloro-m-xylene

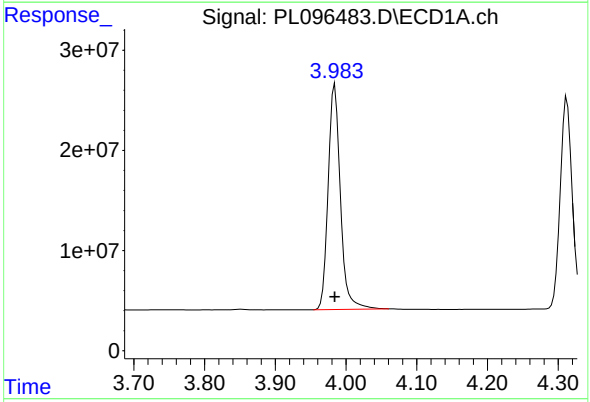
R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 65840225
Conc: 18.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BS



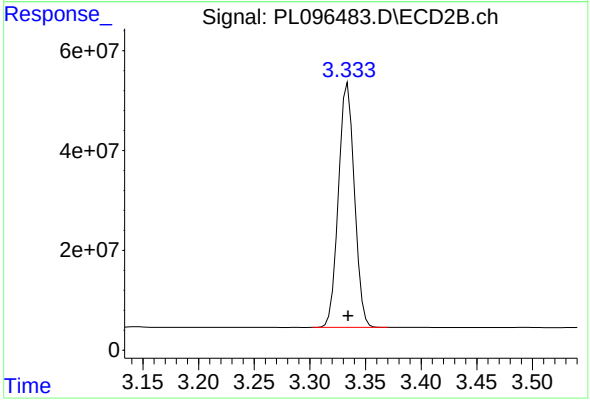
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 115362641
Conc: 19.99 ng/ml



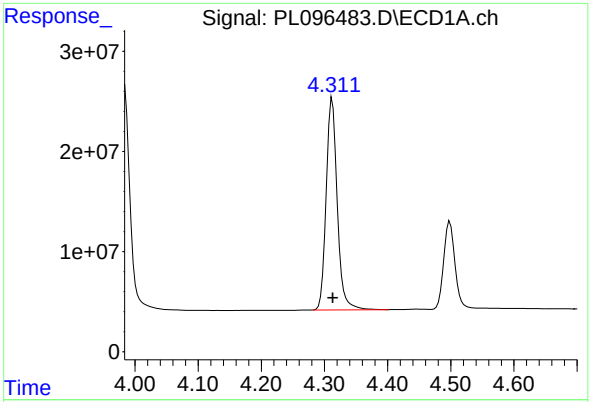
#2 alpha-BHC

R.T.: 3.984 min
Delta R.T.: 0.000 min
Response: 271325459
Conc: 52.75 ng/ml



#2 alpha-BHC

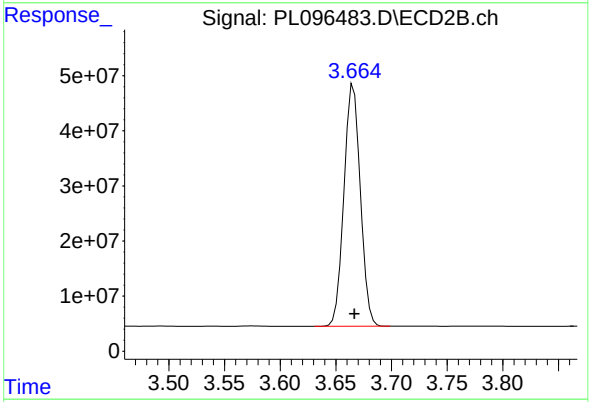
R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 488169760
Conc: 57.88 ng/ml



#3 gamma-BHC (Lindane)

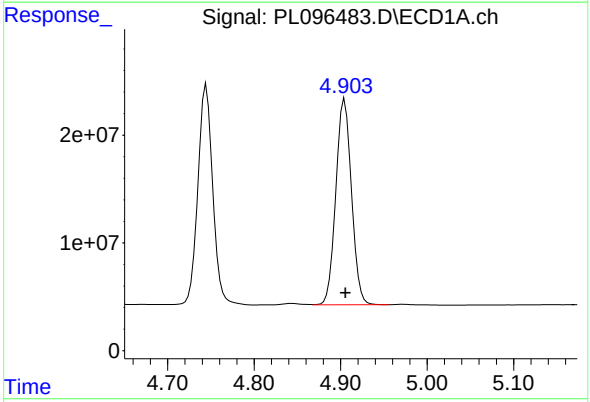
R.T.: 4.312 min
Delta R.T.: 0.000 min
Response: 257795098
Conc: 51.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BS



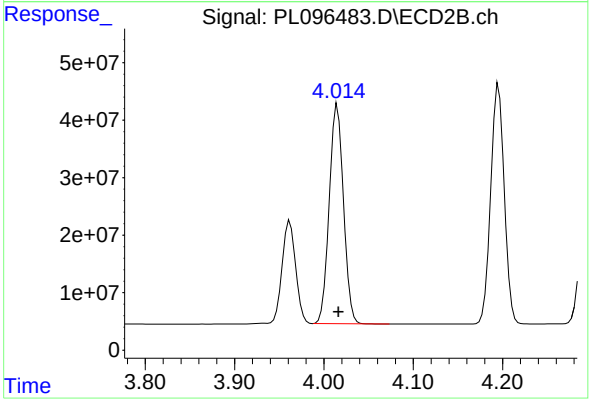
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 450456963
Conc: 57.19 ng/ml



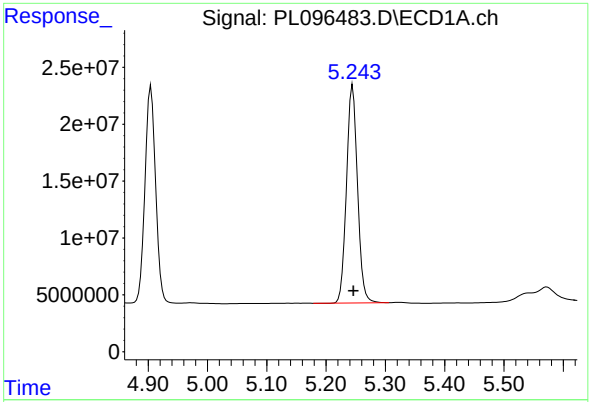
#4 Heptachlor

R.T.: 4.905 min
Delta R.T.: 0.000 min
Response: 238602613
Conc: 52.08 ng/ml



#4 Heptachlor

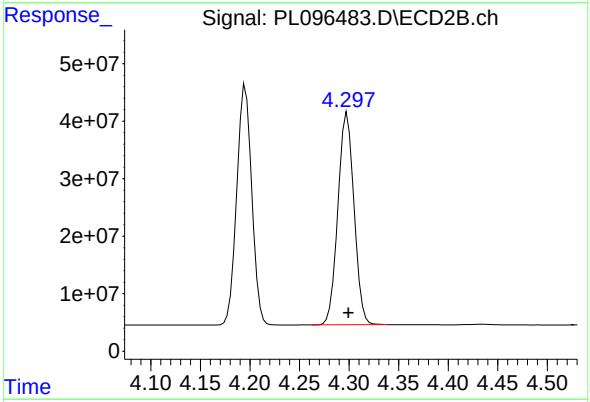
R.T.: 4.015 min
Delta R.T.: -0.001 min
Response: 422633027
Conc: 55.55 ng/ml



#5 Aldrin

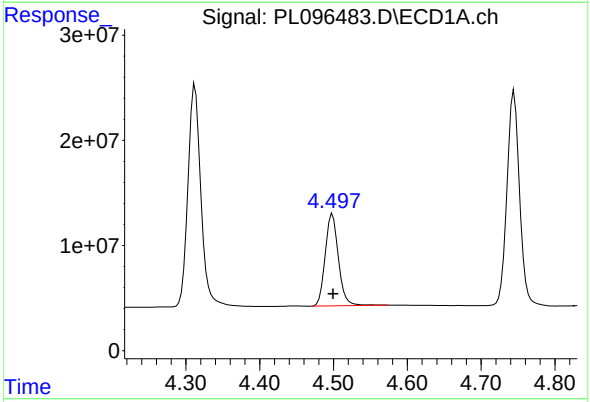
R.T.: 5.245 min
Delta R.T.: 0.000 min
Response: 247702895
Conc: 51.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BS



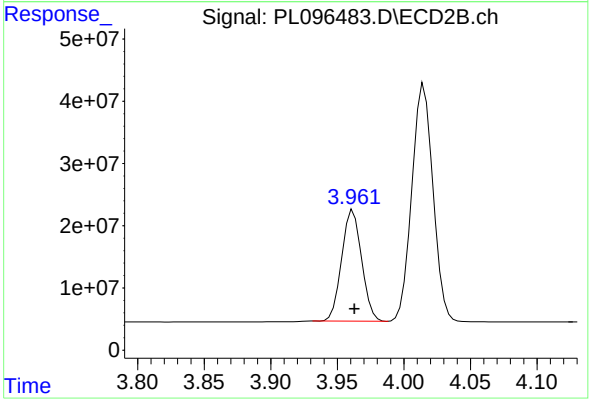
#5 Aldrin

R.T.: 4.298 min
Delta R.T.: -0.001 min
Response: 416926591
Conc: 57.15 ng/ml



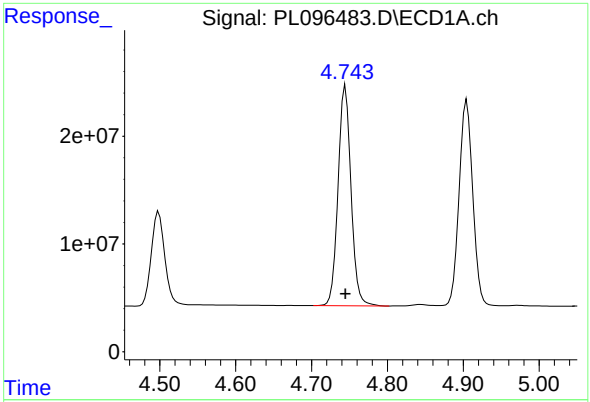
#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 108643210
Conc: 52.26 ng/ml



#6 beta-BHC

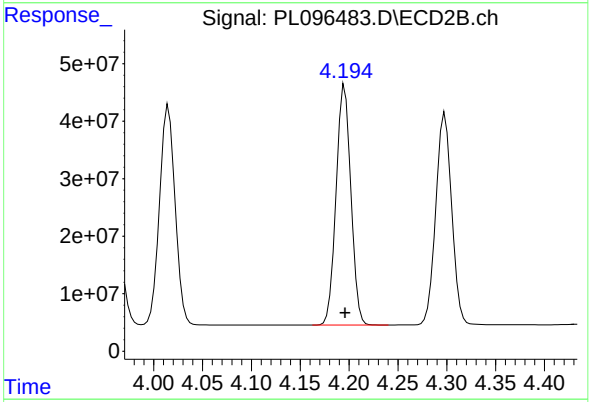
R.T.: 3.962 min
Delta R.T.: -0.001 min
Response: 186856275
Conc: 54.57 ng/ml



#7 delta-BHC

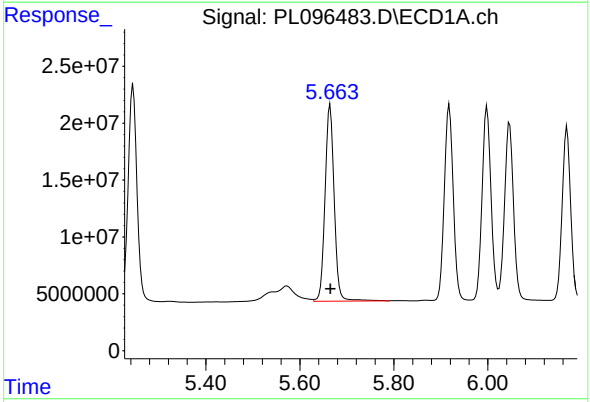
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 242592359
Conc: 54.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BS



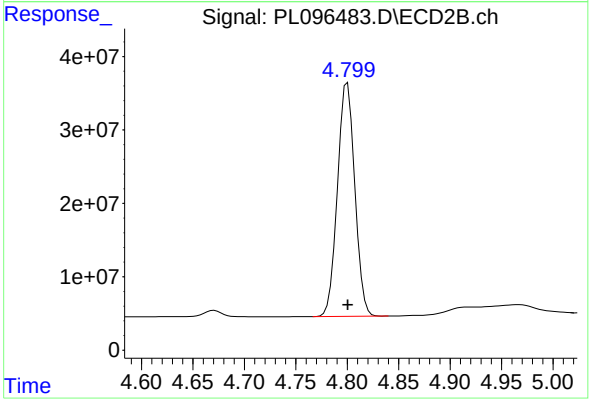
#7 delta-BHC

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 439746767
Conc: 57.10 ng/ml



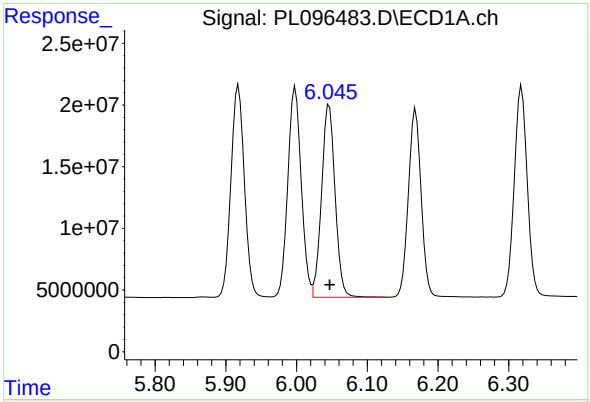
#8 Heptachlor epoxide

R.T.: 5.664 min
Delta R.T.: 0.000 min
Response: 233296322
Conc: 56.23 ng/ml



#8 Heptachlor epoxide

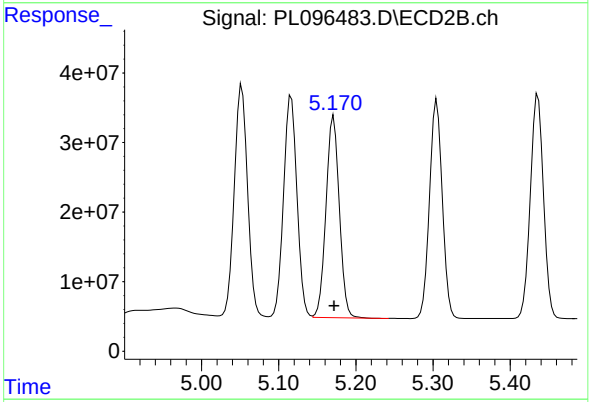
R.T.: 4.800 min
Delta R.T.: 0.000 min
Response: 373383056
Conc: 55.85 ng/ml



#9 Endosulfan I

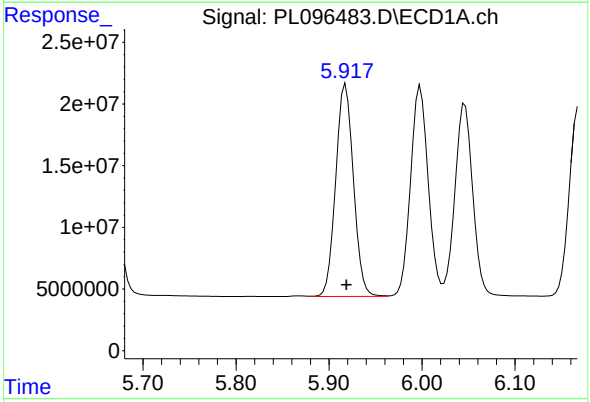
R.T.: 6.046 min
Delta R.T.: 0.000 min
Response: 208009218
Conc: 51.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BS



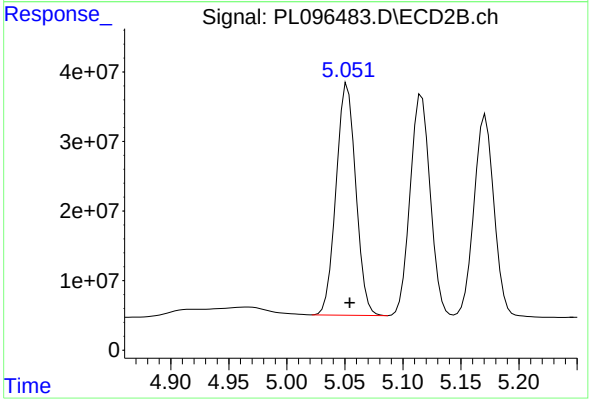
#9 Endosulfan I

R.T.: 5.171 min
Delta R.T.: 0.000 min
Response: 348263330
Conc: 48.54 ng/ml



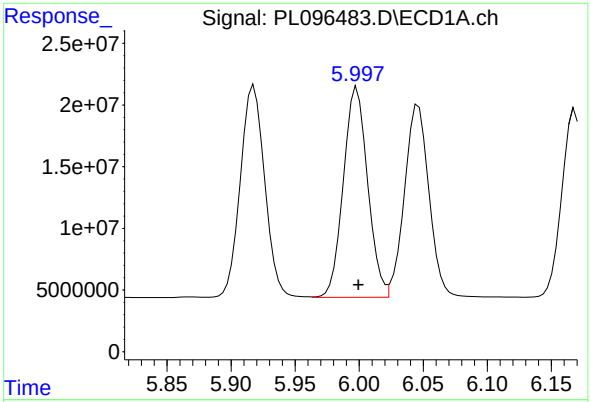
#10 gamma-Chlordane

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 227972994
Conc: 51.52 ng/ml



#10 gamma-Chlordane

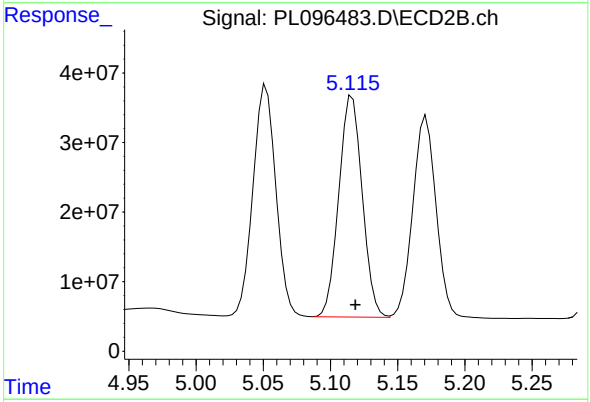
R.T.: 5.052 min
Delta R.T.: -0.002 min
Response: 393854845
Conc: 56.11 ng/ml



#11 alpha-Chlordane

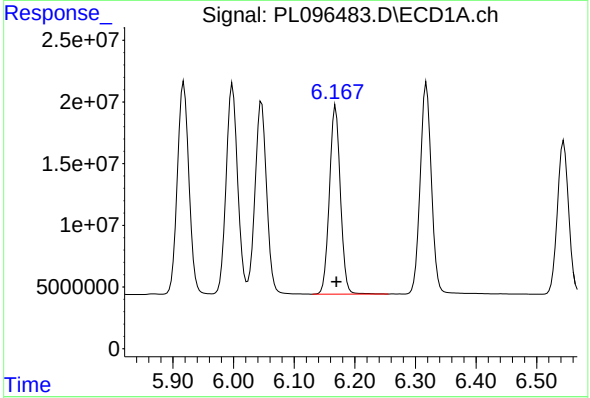
R.T.: 5.998 min
Delta R.T.: -0.001 min
Response: 224874516
Conc: 51.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BS



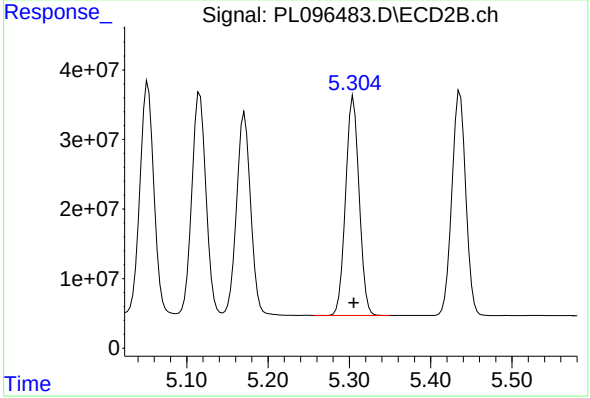
#11 alpha-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.003 min
Response: 384027254
Conc: 51.07 ng/ml



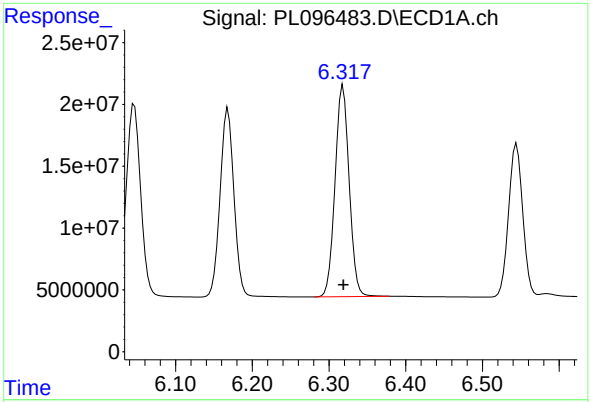
#12 4,4'-DDE

R.T.: 6.168 min
Delta R.T.: -0.001 min
Response: 192126665
Conc: 51.82 ng/ml



#12 4,4'-DDE

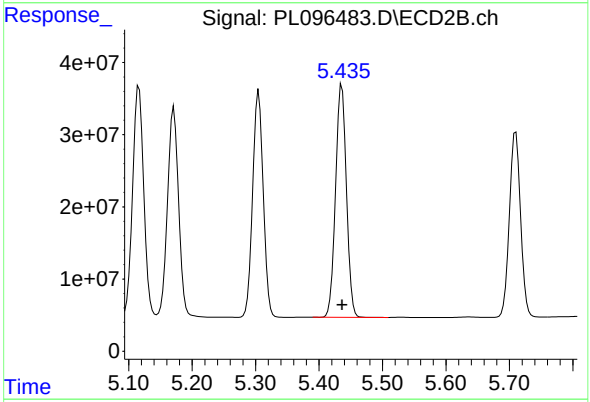
R.T.: 5.305 min
Delta R.T.: 0.000 min
Response: 363318986
Conc: 56.21 ng/ml



#13 Dieldrin

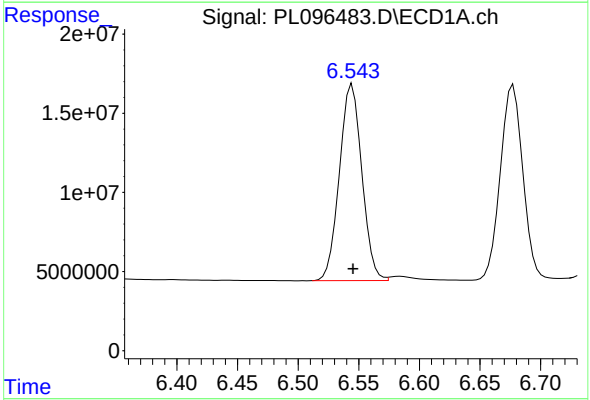
R.T.: 6.318 min
Delta R.T.: 0.000 min
Response: 218536738
Conc: 51.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BS



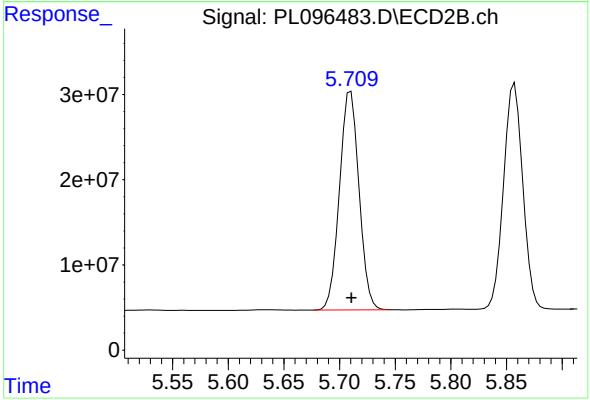
#13 Dieldrin

R.T.: 5.436 min
Delta R.T.: 0.000 min
Response: 384052488
Conc: 56.32 ng/ml



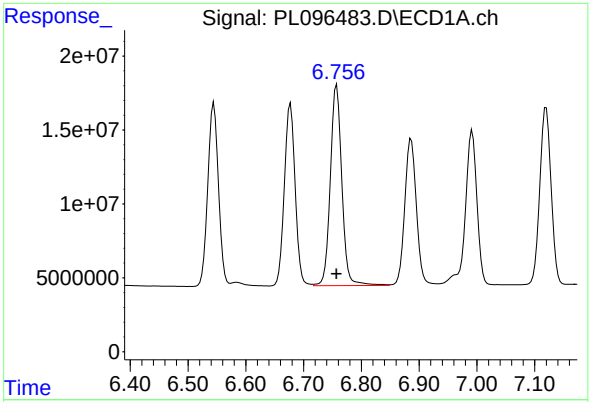
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 159856967
Conc: 51.40 ng/ml



#14 Endrin

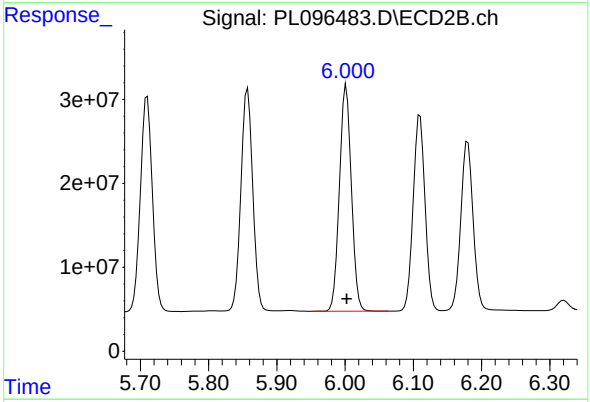
R.T.: 5.710 min
Delta R.T.: 0.000 min
Response: 313304354
Conc: 51.39 ng/ml



#15 Endosulfan II

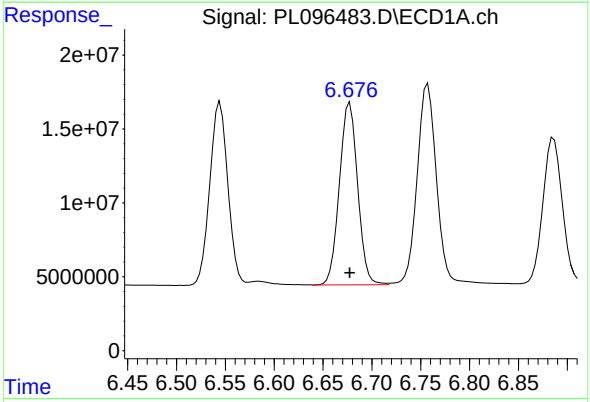
R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 188994475
Conc: 54.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BS



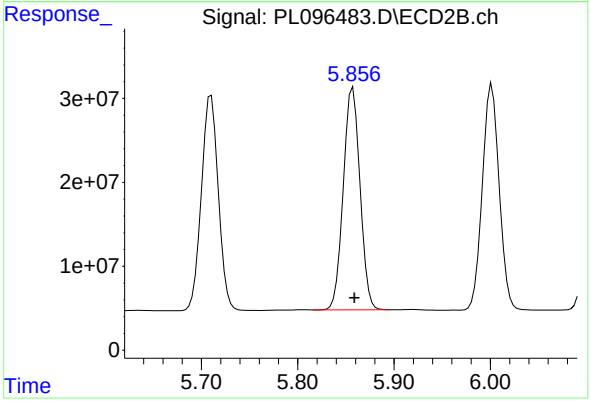
#15 Endosulfan II

R.T.: 6.002 min
Delta R.T.: 0.000 min
Response: 327919346
Conc: 55.92 ng/ml



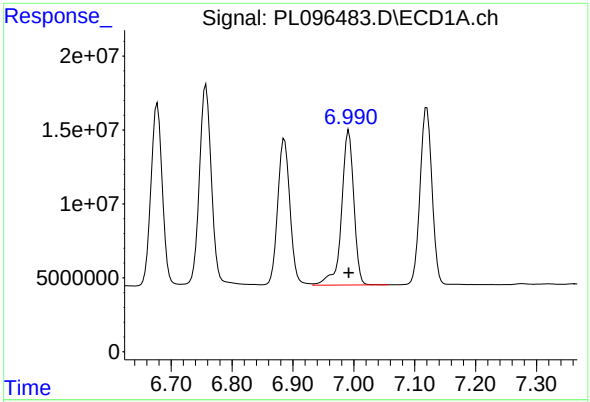
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 160535496
Conc: 55.13 ng/ml



#16 4,4'-DDD

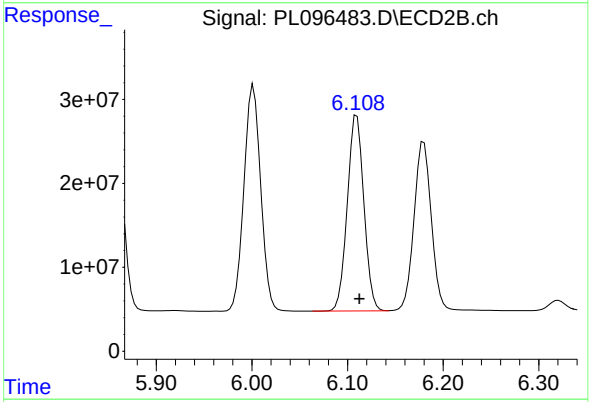
R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 318491712
Conc: 62.10 ng/ml



#17 4,4'-DDT

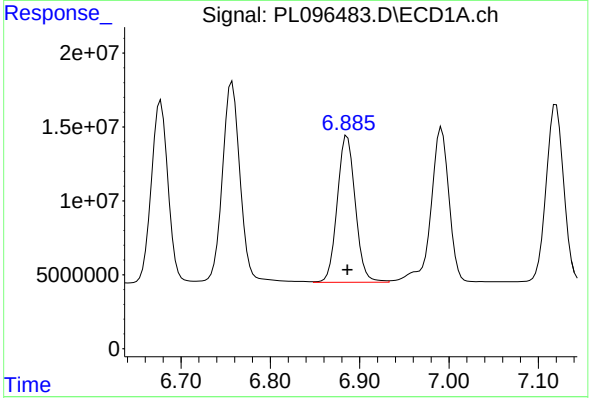
R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 146321943
Conc: 48.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BS



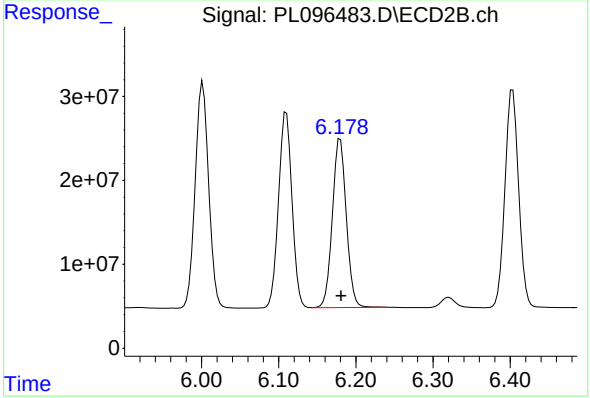
#17 4,4'-DDT

R.T.: 6.110 min
Delta R.T.: -0.003 min
Response: 282473485
Conc: 49.25 ng/ml



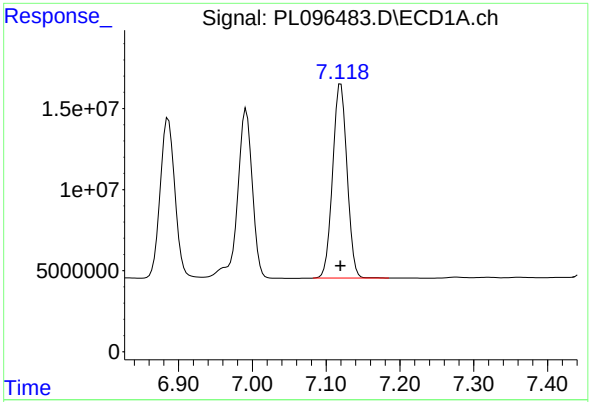
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 138944664
Conc: 62.15 ng/ml



#18 Endrin aldehyde

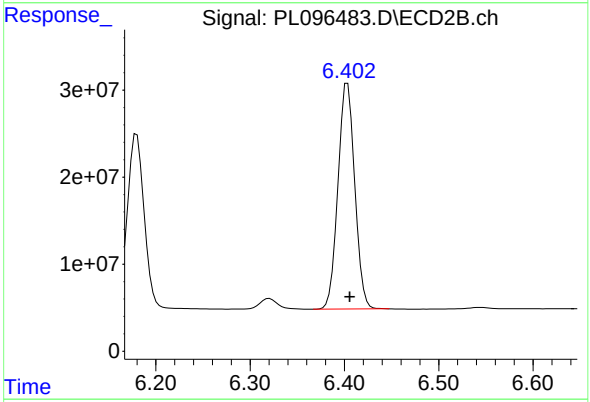
R.T.: 6.180 min
Delta R.T.: -0.001 min
Response: 253466950
Conc: 56.90 ng/ml



#19 Endosulfan Sulfate

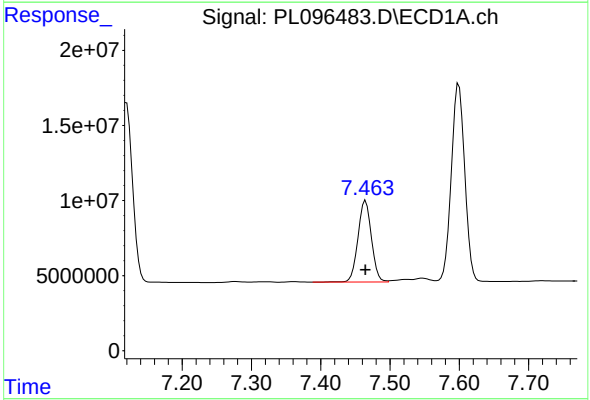
R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 162655714
Conc: 53.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BS



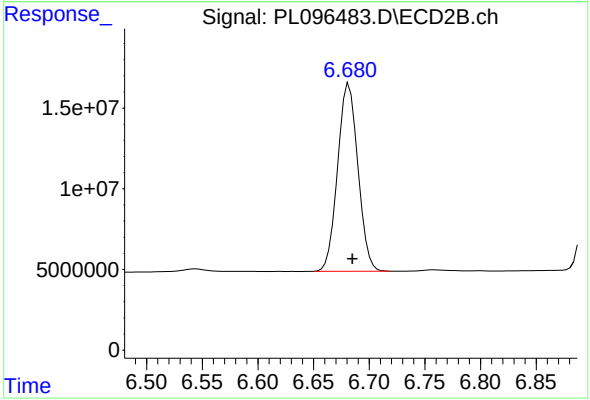
#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: -0.002 min
Response: 321186546
Conc: 57.11 ng/ml



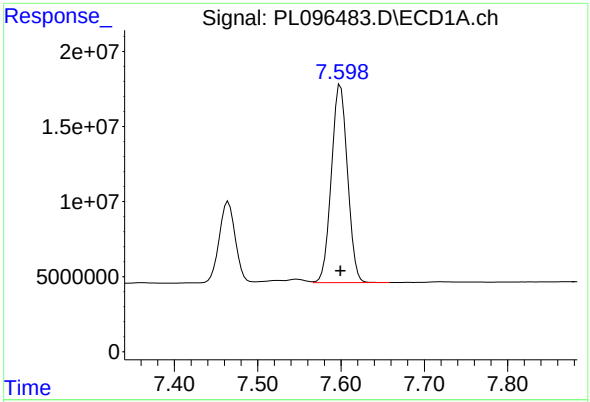
#20 Methoxychlor

R.T.: 7.465 min
Delta R.T.: 0.000 min
Response: 73066617
Conc: 46.38 ng/ml



#20 Methoxychlor

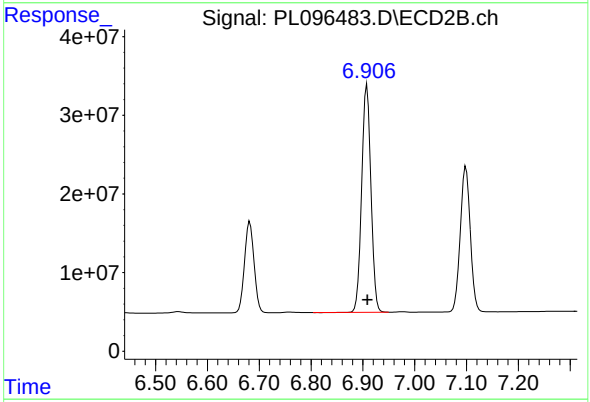
R.T.: 6.682 min
Delta R.T.: -0.003 min
Response: 147731506
Conc: 48.63 ng/ml



#21 Endrin ketone

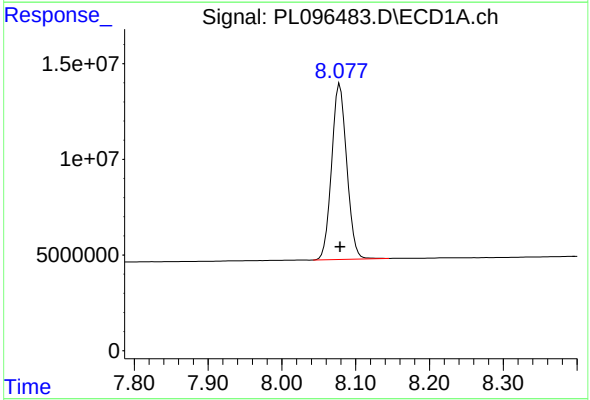
R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 177549351
Conc: 53.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168928BS



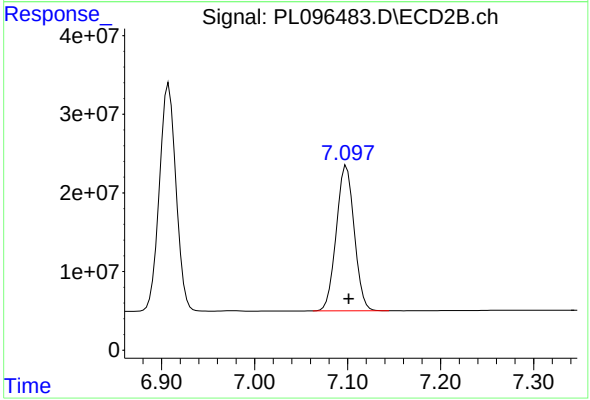
#21 Endrin ketone

R.T.: 6.908 min
Delta R.T.: -0.001 min
Response: 359305948
Conc: 57.47 ng/ml



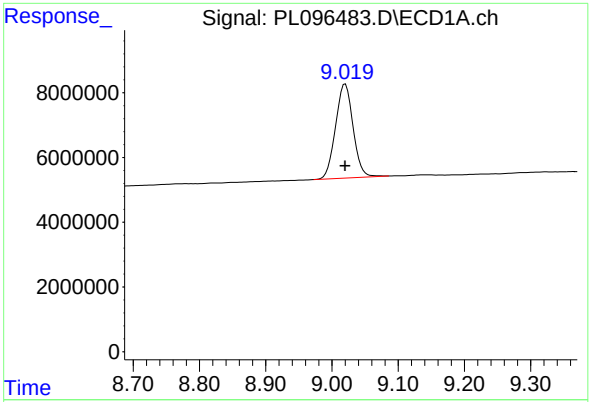
#22 Mirex

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 130747302
Conc: 46.99 ng/ml



#22 Mirex

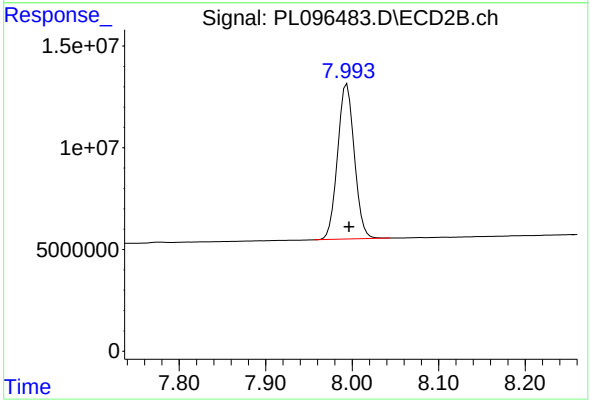
R.T.: 7.099 min
Delta R.T.: -0.002 min
Response: 247802718
Conc: 49.88 ng/ml



#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.:	Q2639
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.:	Q2639
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
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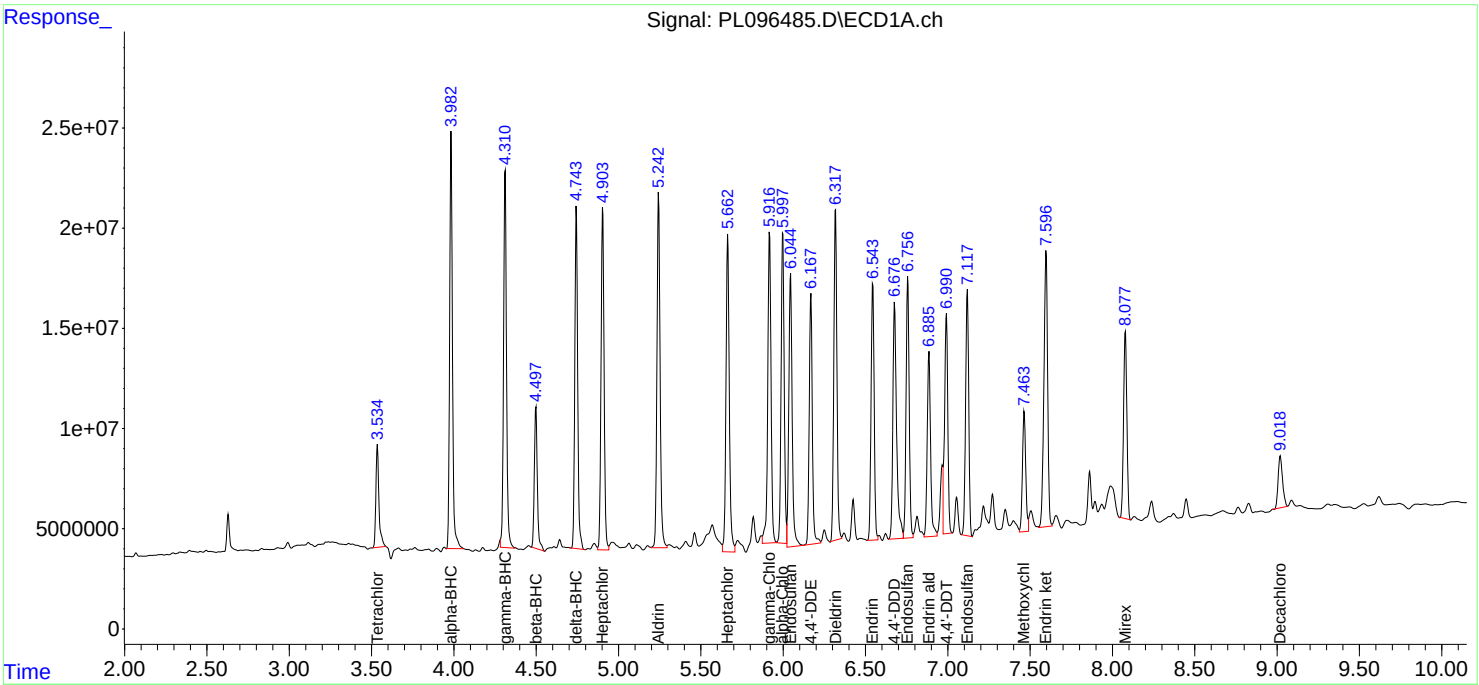
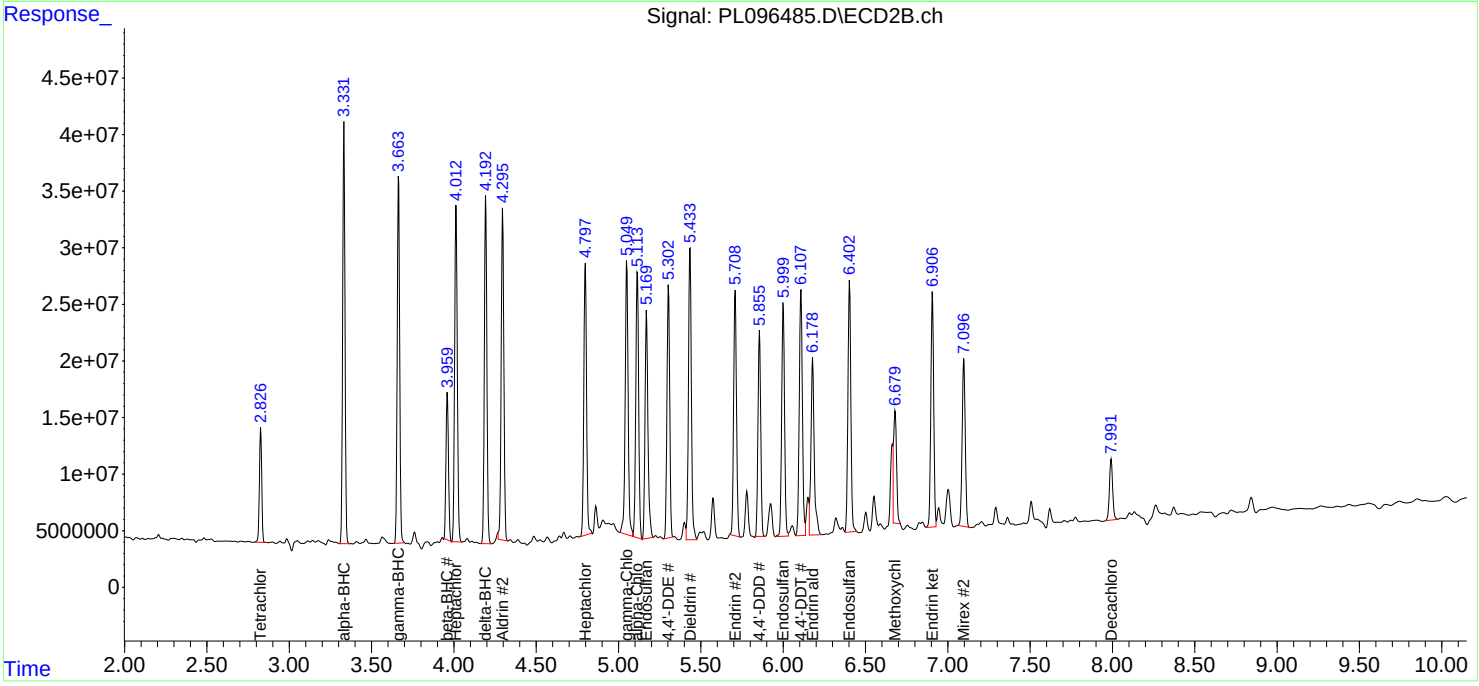
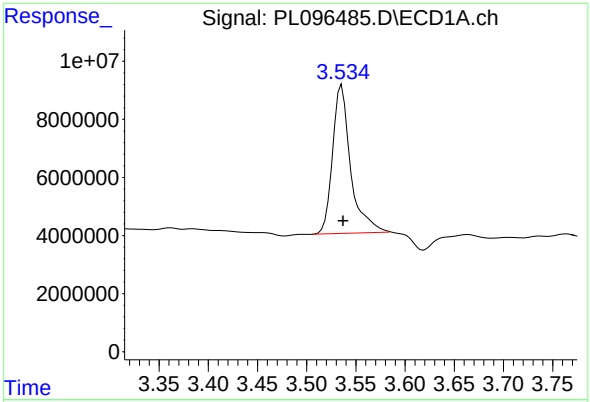
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 01:44:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
Response via : Initial Calibration
Integrator: ChemStation

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
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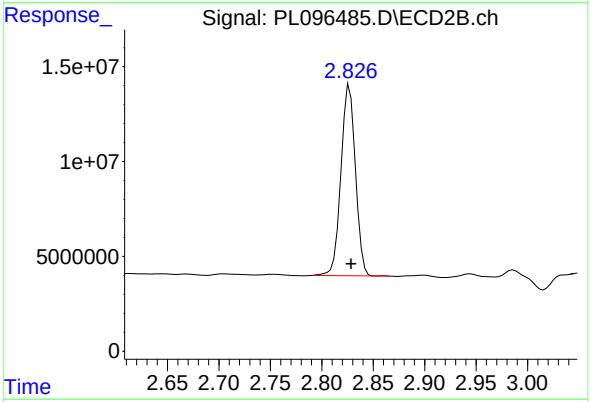
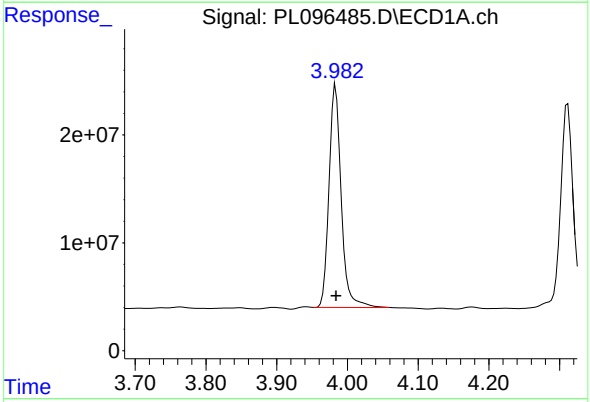


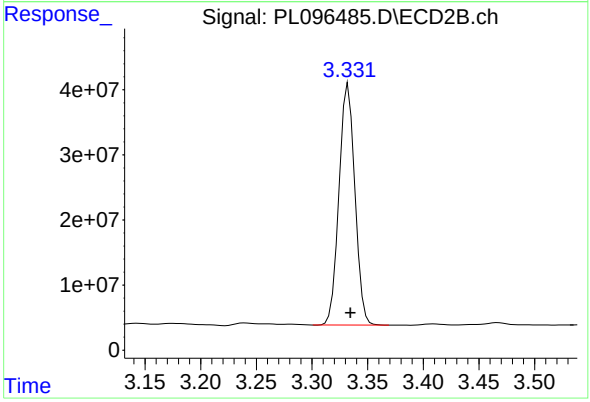
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.001 min
Response: 98410848
Conc: 17.05 ng/ml



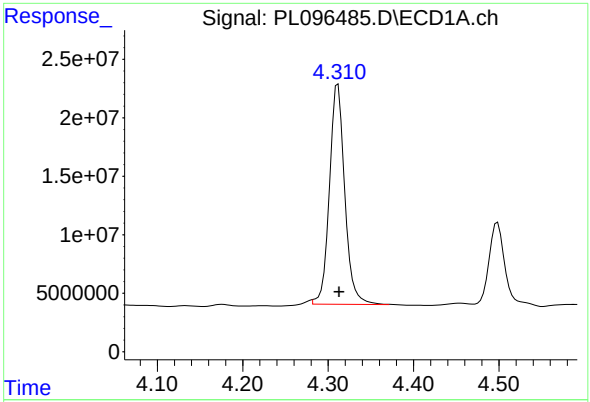
#2 alpha-BHC

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



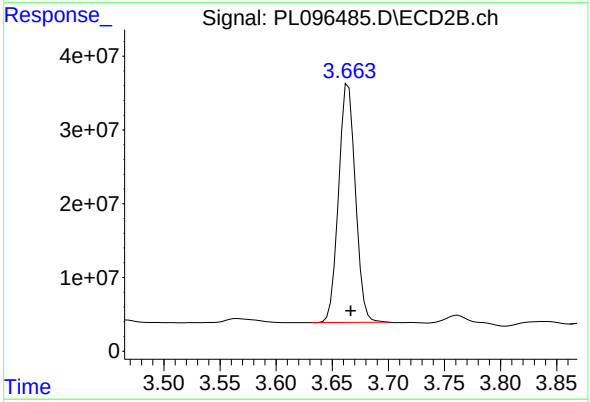
#3 gamma-BHC (Lindane)

R.T.: 4.310 min
Delta R.T.: -0.003 min
Response: 234093171
Conc: 47.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS

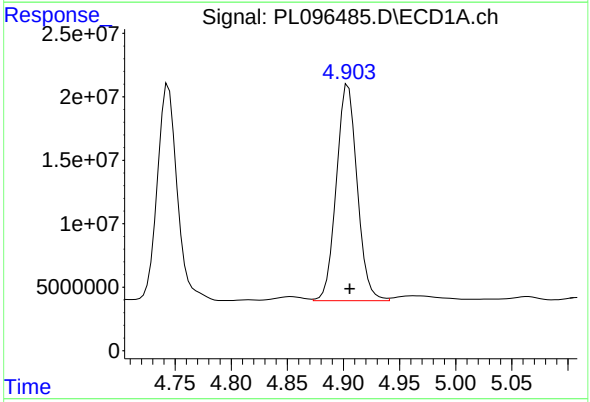
Manual Integrations APPROVED

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



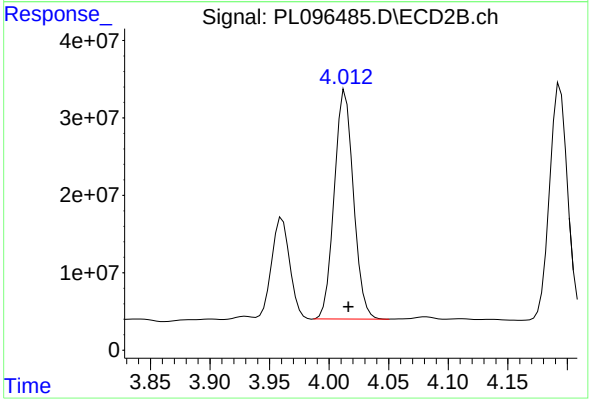
#3 gamma-BHC (Lindane)

R.T.: 3.664 min
Delta R.T.: -0.002 min
Response: 337702944
Conc: 42.88 ng/ml



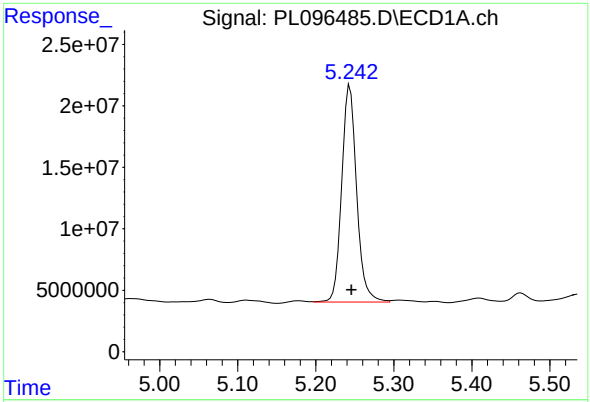
#4 Heptachlor

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



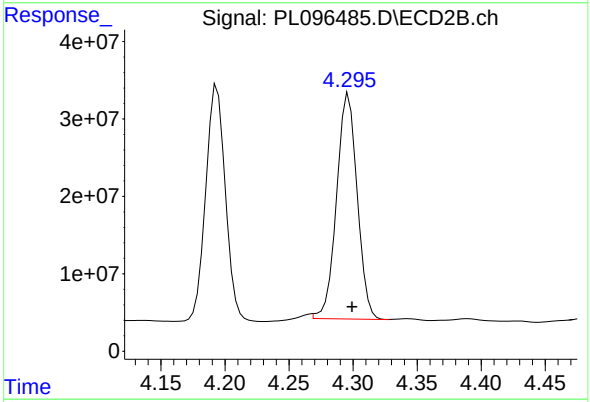
#5 Aldrin

R.T.: 5.242 min
Delta R.T.: -0.004 min
Response: 234059331
Conc: 48.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS

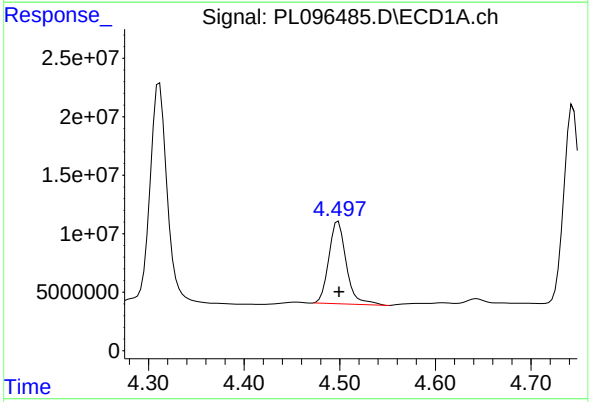
Manual Integrations APPROVED

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



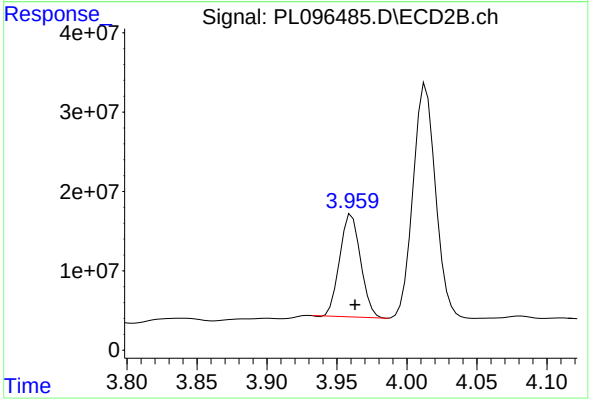
#5 Aldrin

R.T.: 4.295 min
Delta R.T.: -0.004 min
Response: 325376993
Conc: 44.60 ng/ml m



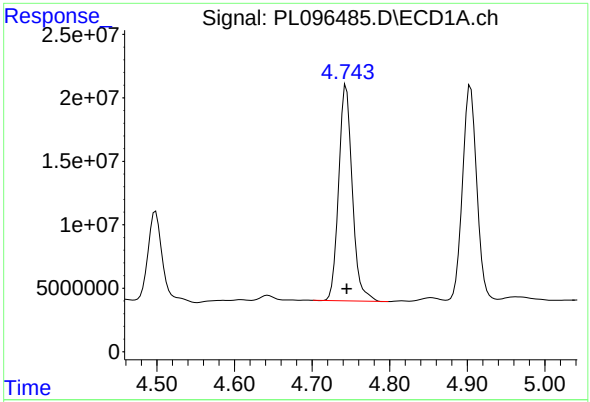
#6 beta-BHC

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



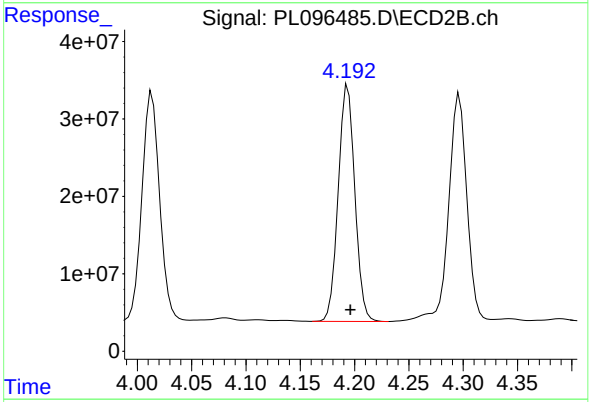
#7 delta-BHC

R.T.: 4.744 min
Delta R.T.: 0.000 min
Response: 207860865
Conc: 46.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS

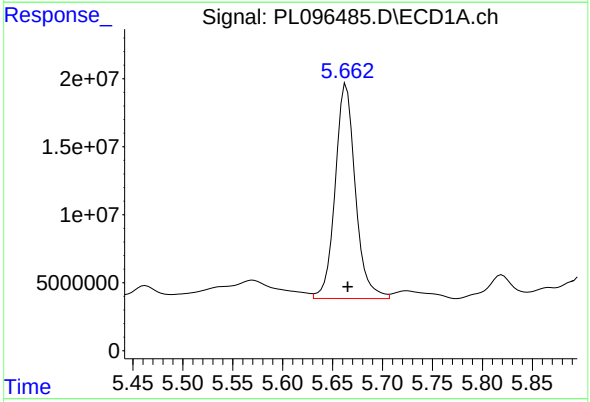
Manual Integrations APPROVED

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



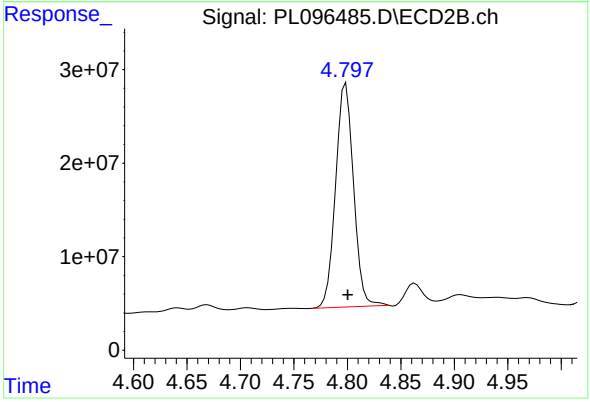
#7 delta-BHC

R.T.: 4.194 min
Delta R.T.: -0.002 min
Response: 325332332
Conc: 42.24 ng/ml



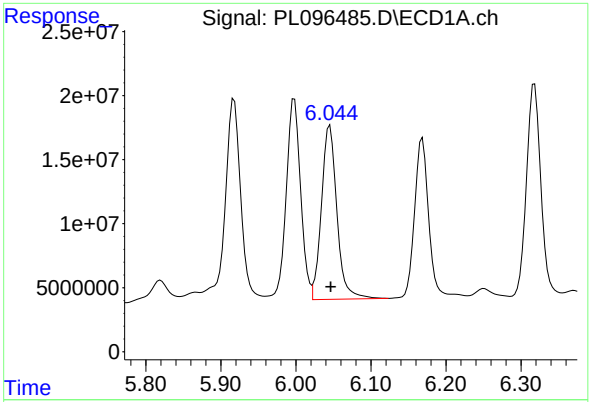
#8 Heptachlor epoxide

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

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
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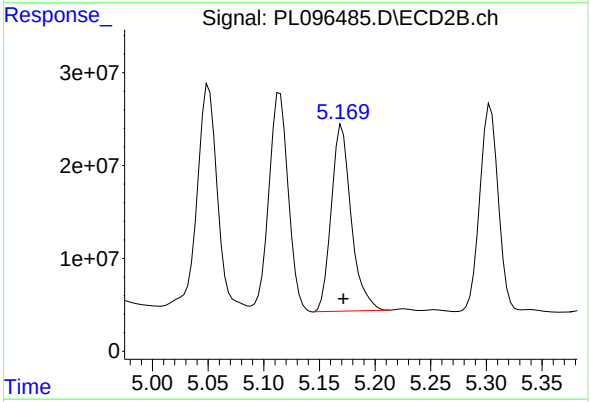
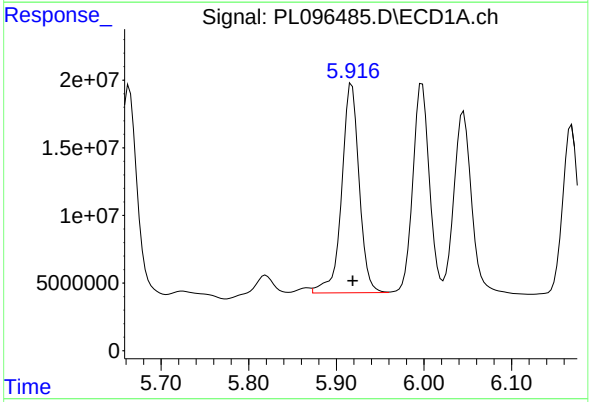


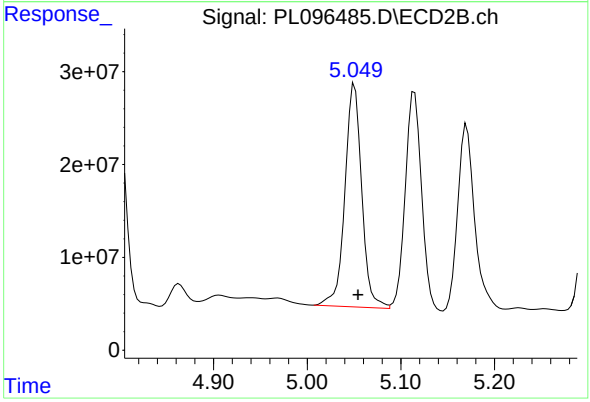
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: -0.001 min
Response: 249912652
Conc: 34.84 ng/ml



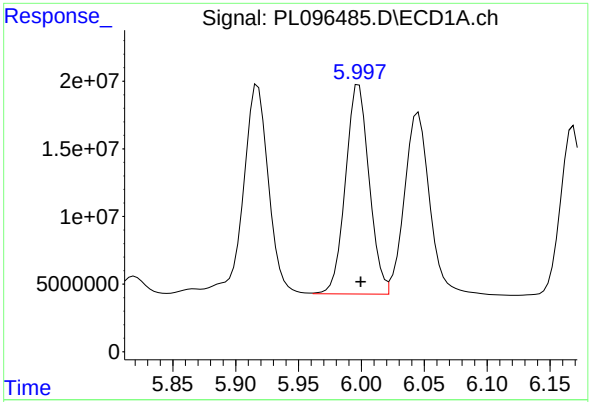
#10 gamma-Chlordane

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

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 07/22/2025
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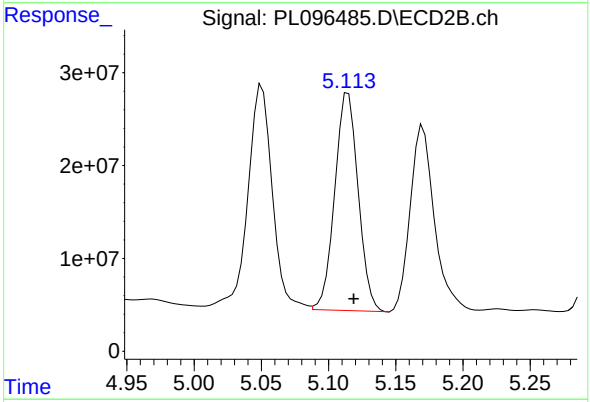
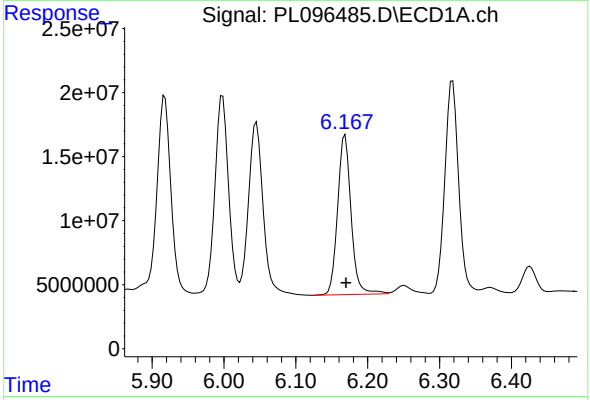


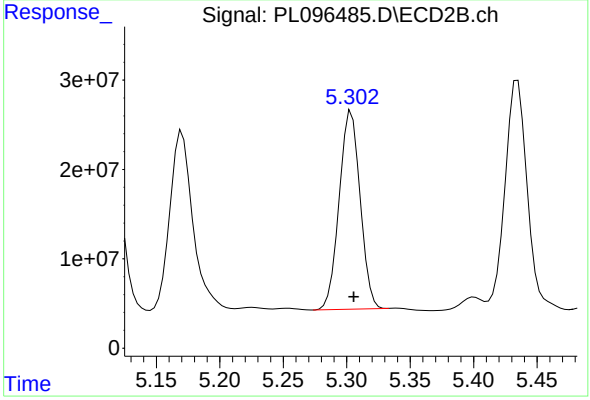
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.004 min
Response: 283125528
Conc: 37.65 ng/ml



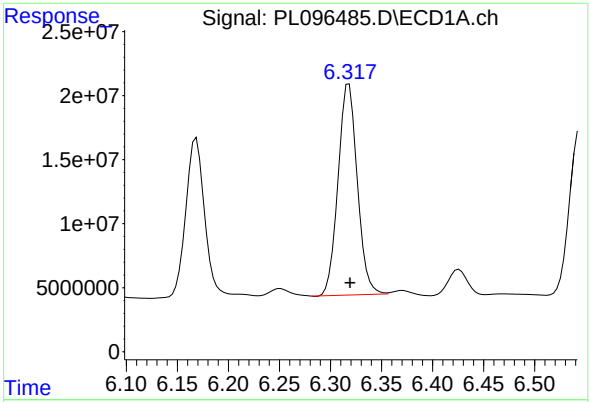
#12 4,4'-DDE

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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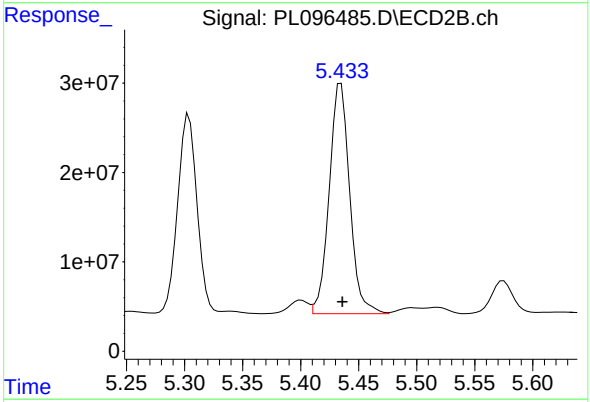
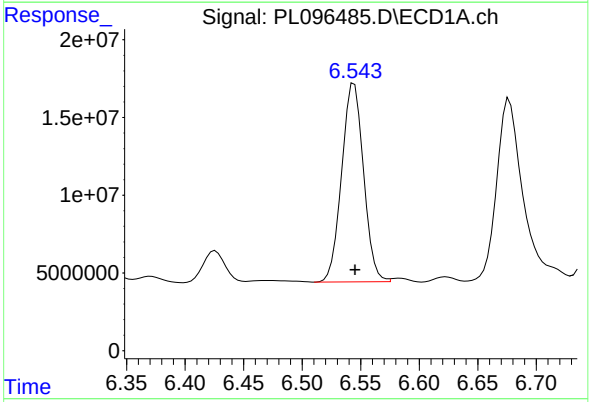


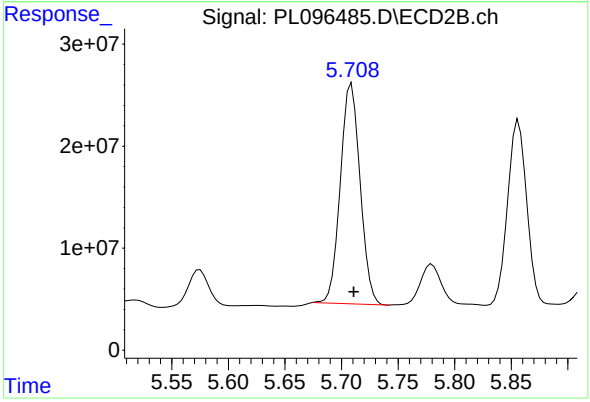
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: -0.001 min
Response: 317140615
Conc: 46.51 ng/ml



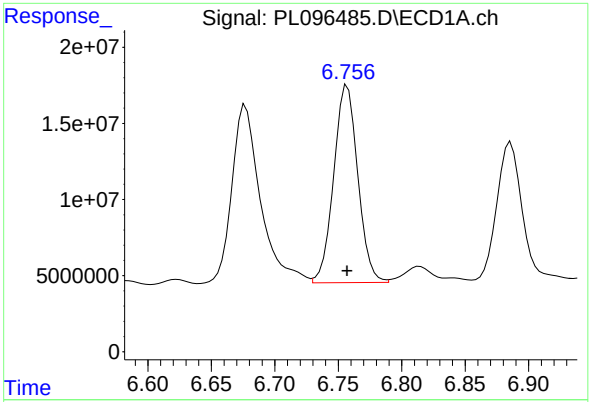
#14 Endrin

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

Manual Integrations APPROVED

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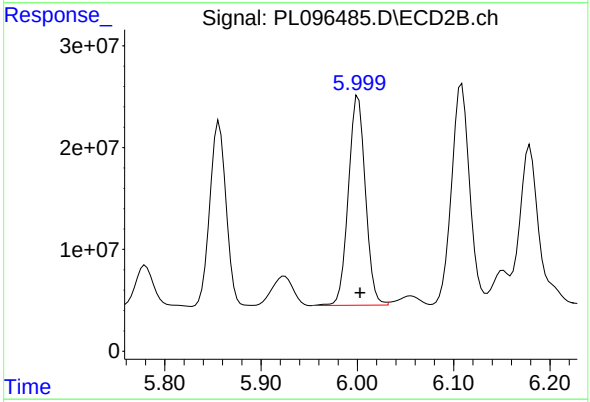
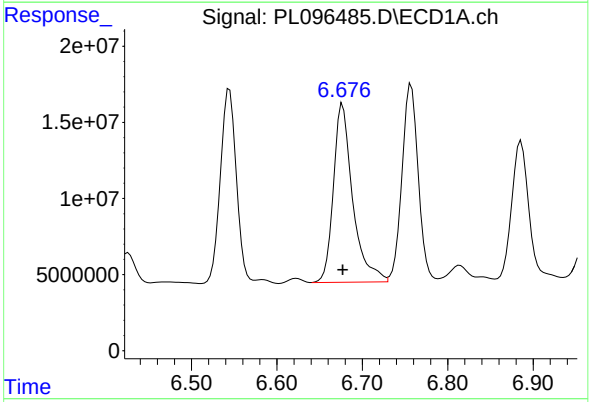
Supervised By :mohammad ahmed 07/23/2025



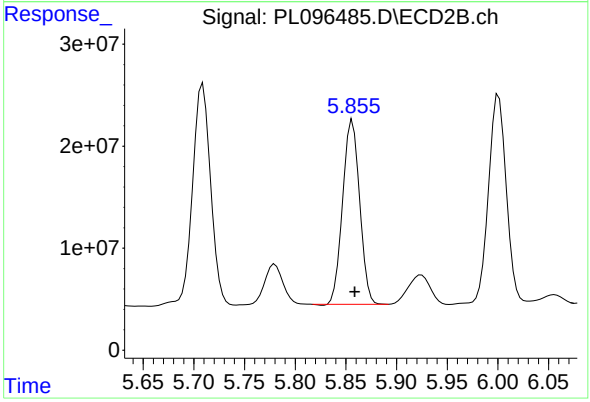
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: -0.002 min
Response: 252296729
Conc: 43.03 ng/ml



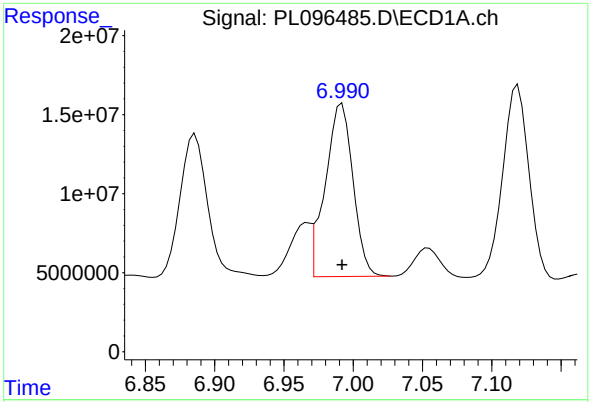
#16 4,4'-DDD

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



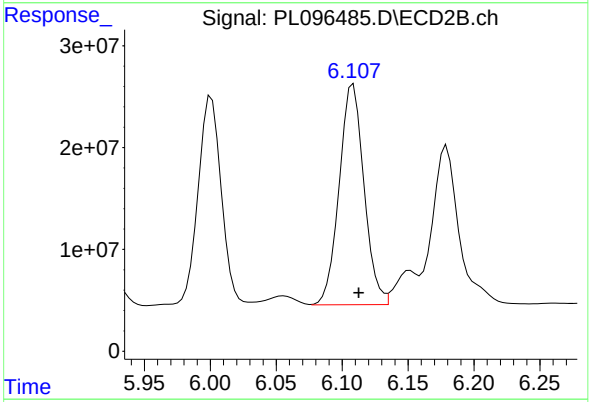
#17 4,4'-DDT

R.T.: 6.990 min
Delta R.T.: -0.001 min
Response: 149484765
Conc: 49.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS

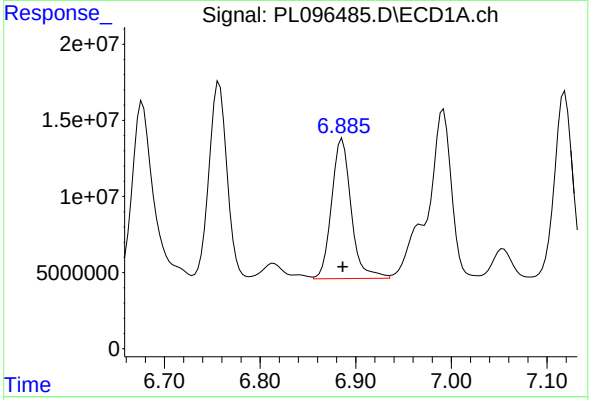
Manual Integrations APPROVED

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



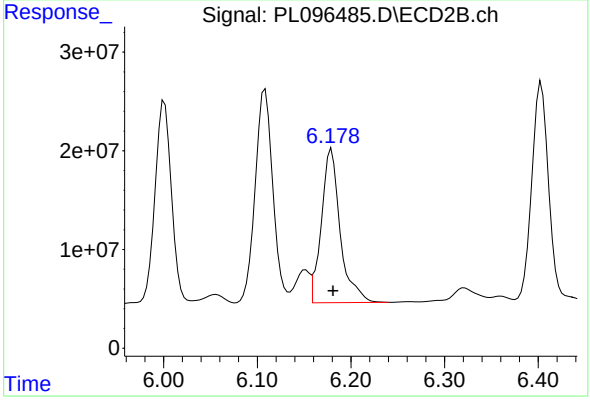
#17 4,4'-DDT

R.T.: 6.108 min
Delta R.T.: -0.004 min
Response: 283200636
Conc: 49.38 ng/ml



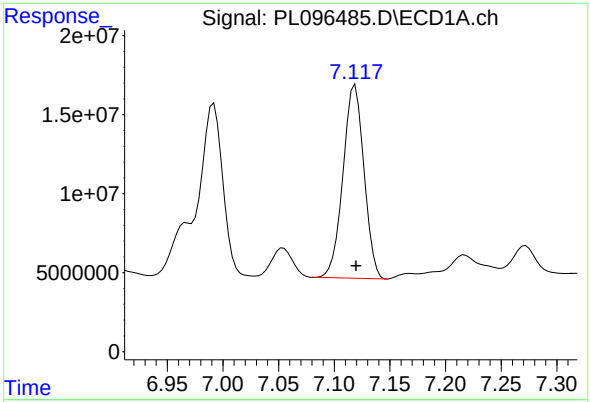
#18 Endrin aldehyde

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



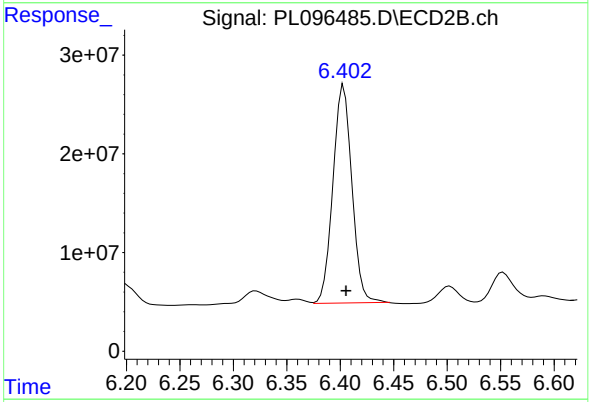
#19 Endosulfan Sulfate

R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 160588718
Conc: 52.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS

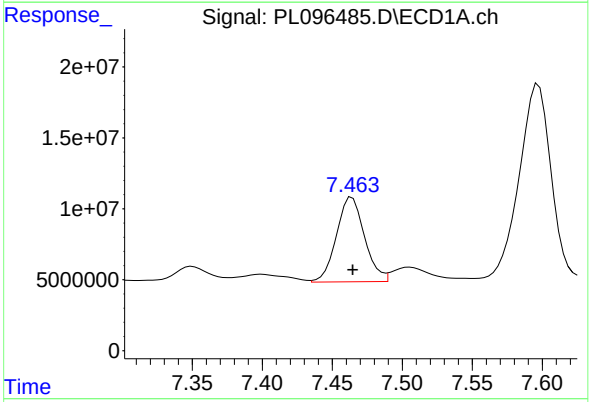
Manual Integrations
APPROVED

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



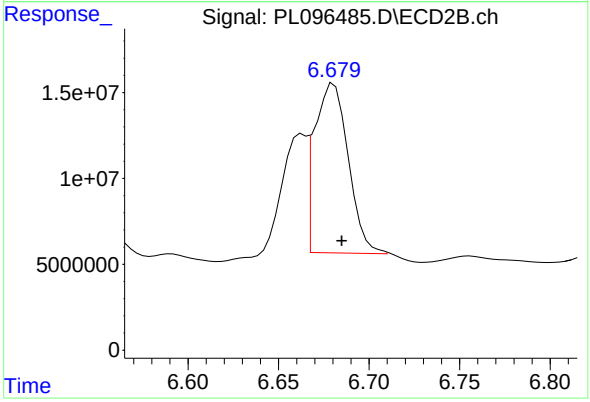
#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: -0.002 min
Response: 272912925
Conc: 48.52 ng/ml



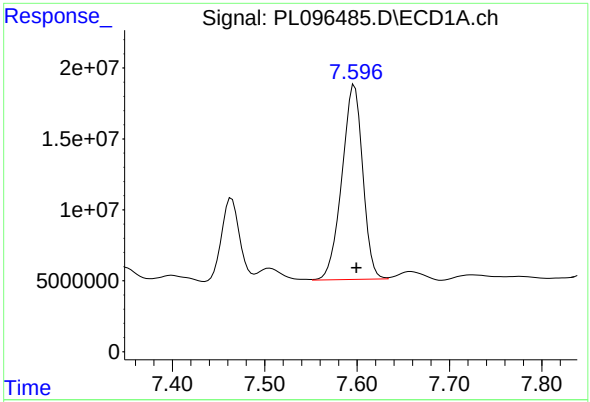
#20 Methoxychlor

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



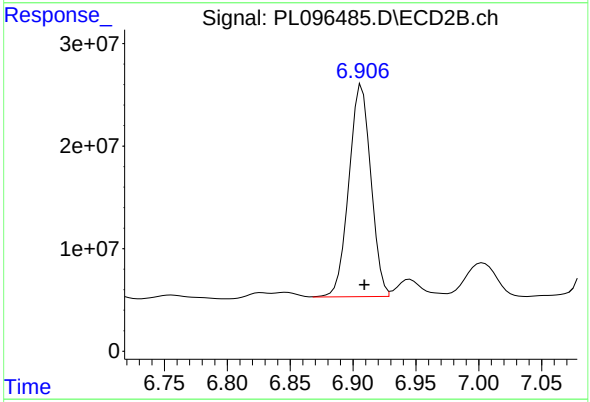
#21 Endrin ketone

R.T.: 7.596 min
Delta R.T.: -0.004 min
Response: 215005554
Conc: 65.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS

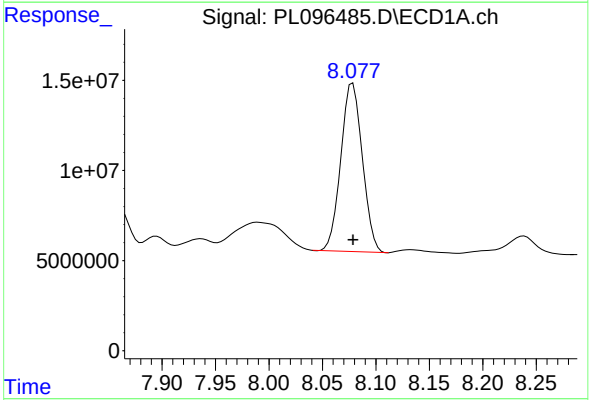
Manual Integrations APPROVED

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



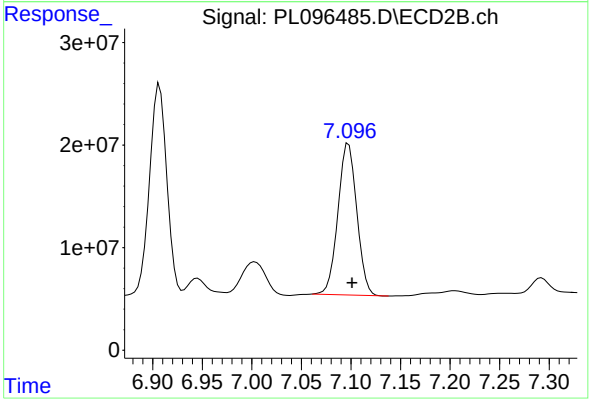
#21 Endrin ketone

R.T.: 6.906 min
Delta R.T.: -0.003 min
Response: 252480034
Conc: 40.38 ng/ml m



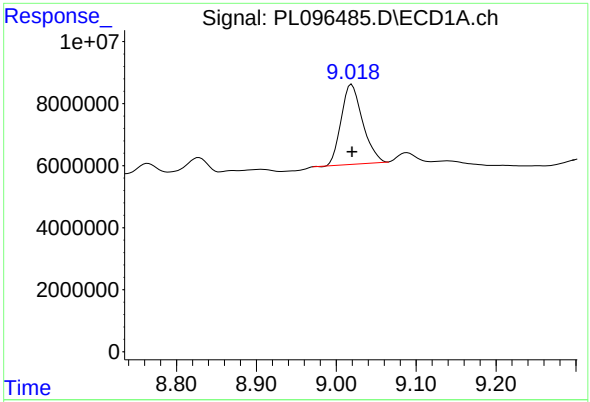
#22 Mirex

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



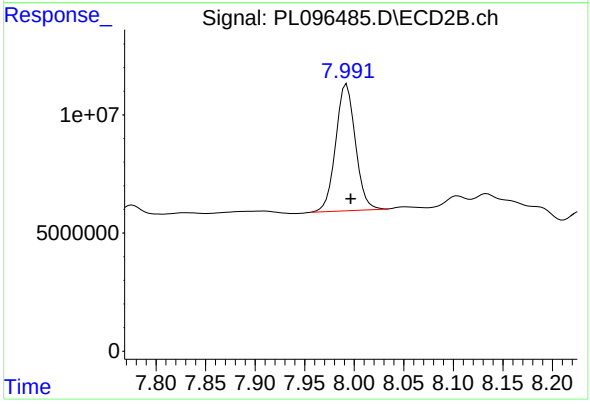
#28 Decachlorobiphenyl

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.:	Q2639
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

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.:	Q2639
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.

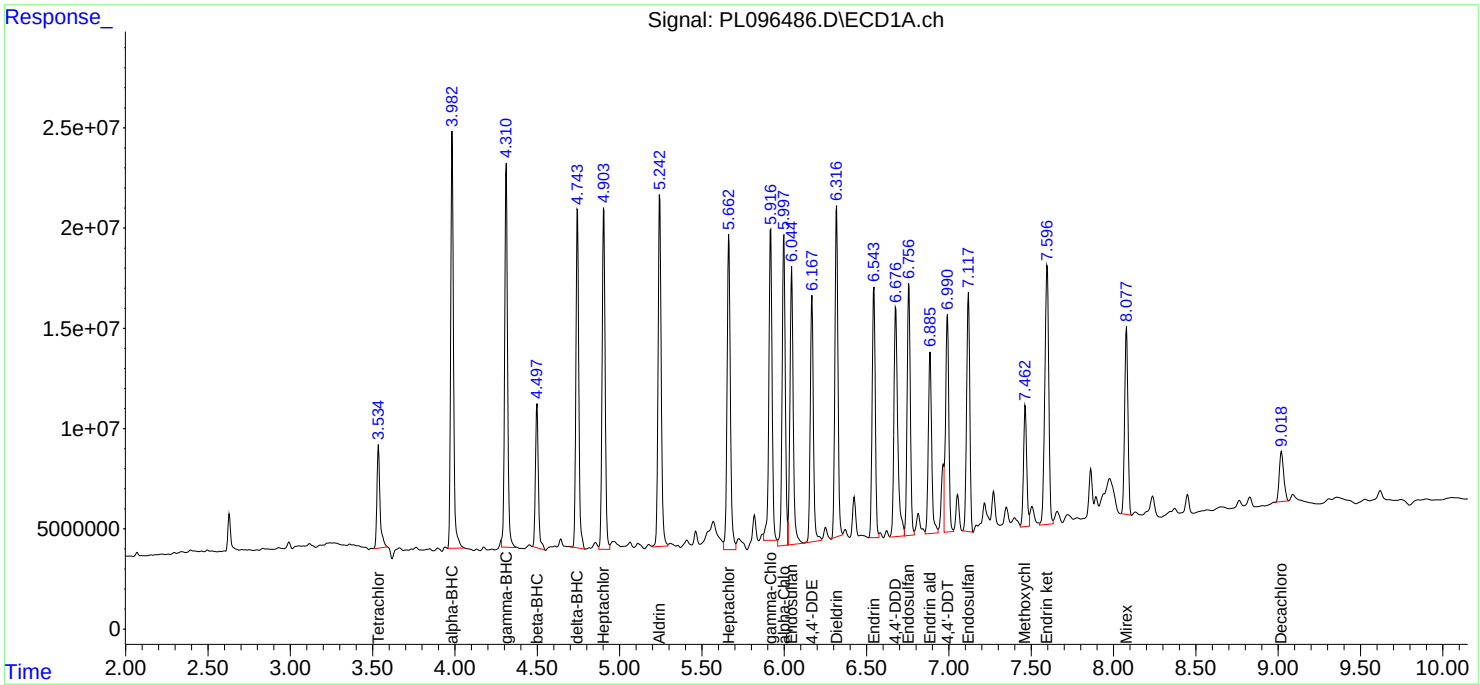
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096486.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:19
Operator : AR\AJ
Sample : Q2635-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

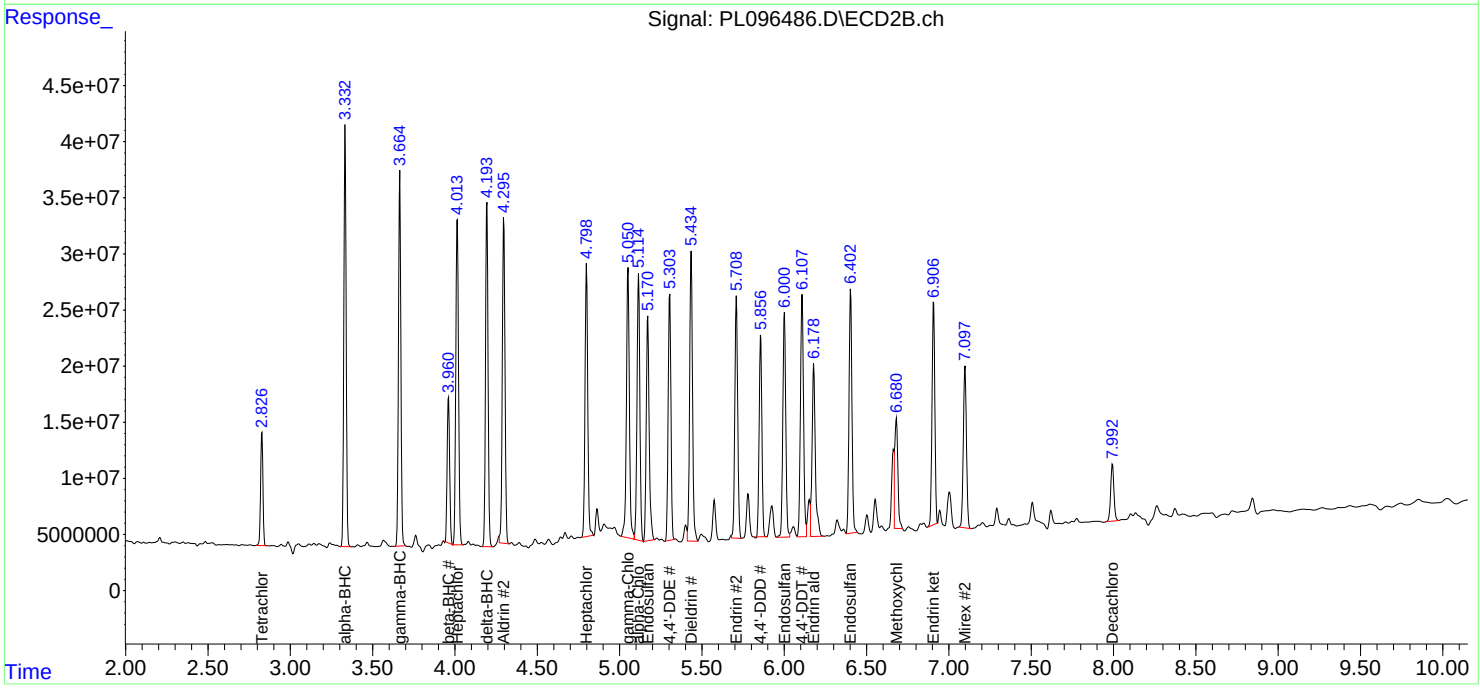
Instrument :
ECD_L
ClientSampleId :
RT2286MSD

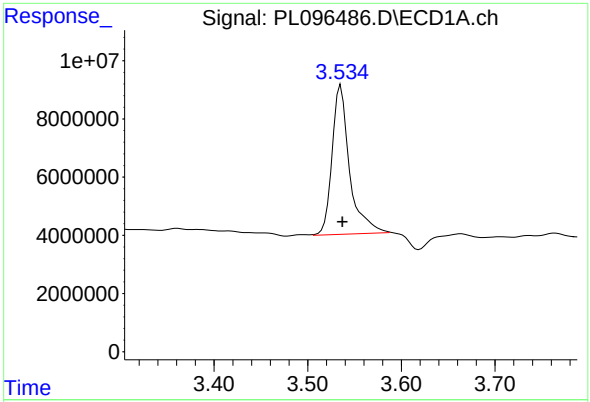
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 07/22/2025
Supervised By :mohammad ahmed 07/23/2025

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







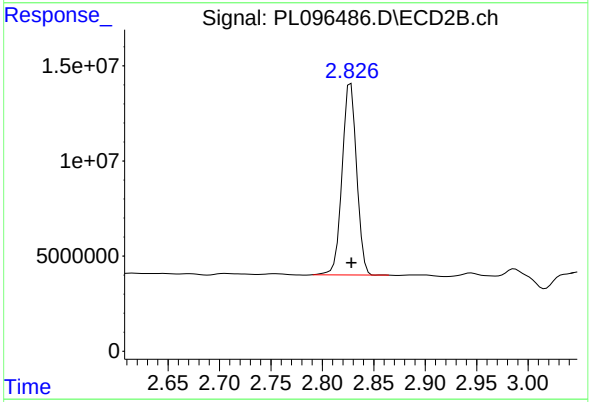
#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: -0.003 min
Response: 66323622
Conc: 18.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD

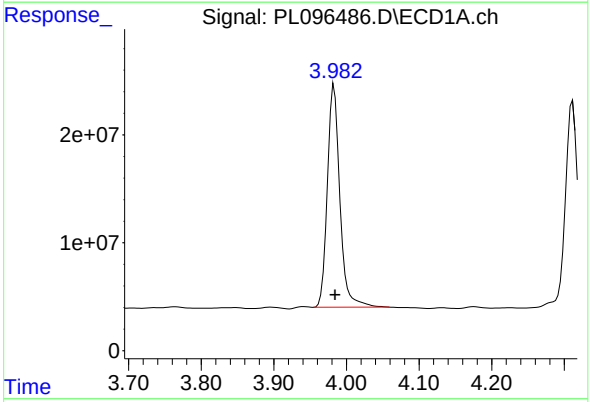
Manual Integrations APPROVED

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



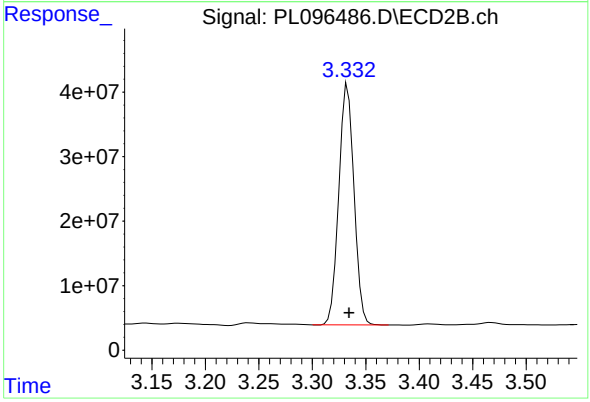
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 99006316
Conc: 17.16 ng/ml



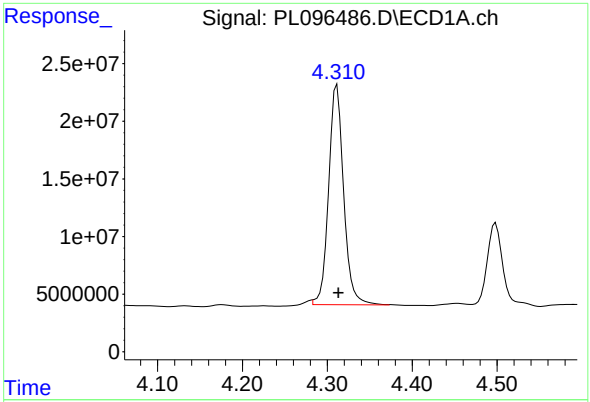
#2 alpha-BHC

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



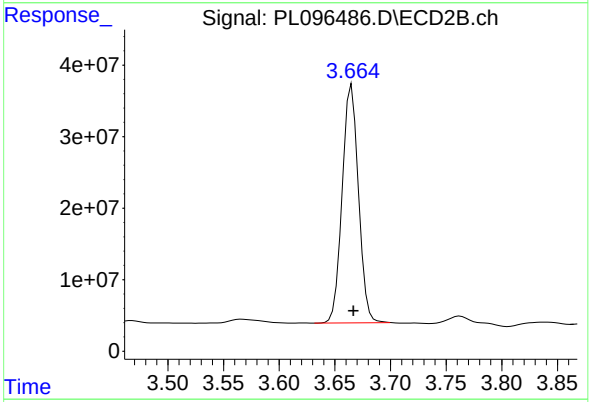
#3 gamma-BHC (Lindane)

R.T.: 4.310 min
Delta R.T.: -0.003 min
Response: 234793480
Conc: 47.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD

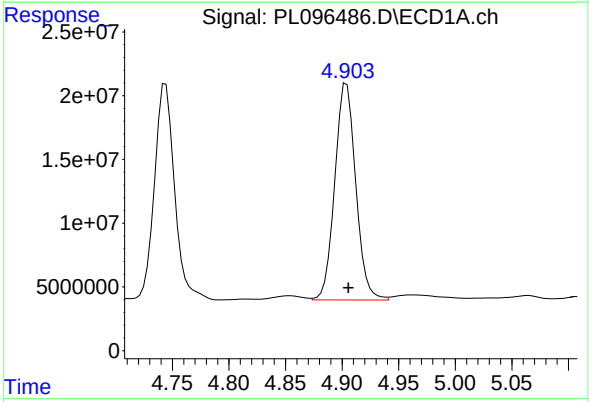
Manual Integrations APPROVED

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



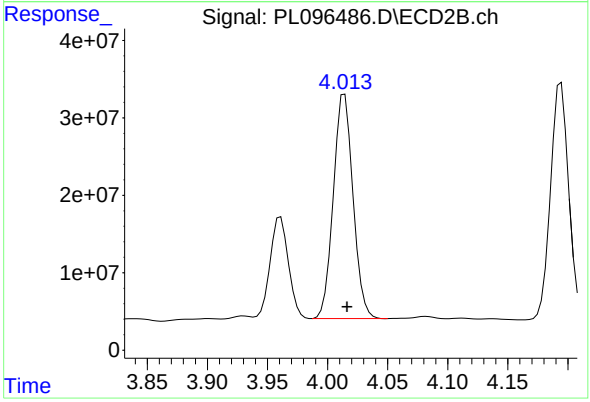
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: -0.001 min
Response: 338760978
Conc: 43.01 ng/ml



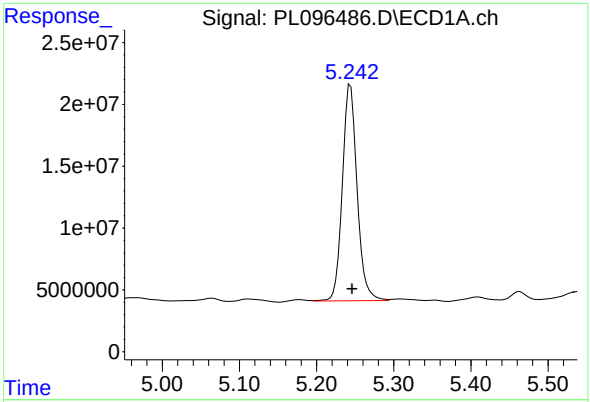
#4 Heptachlor

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

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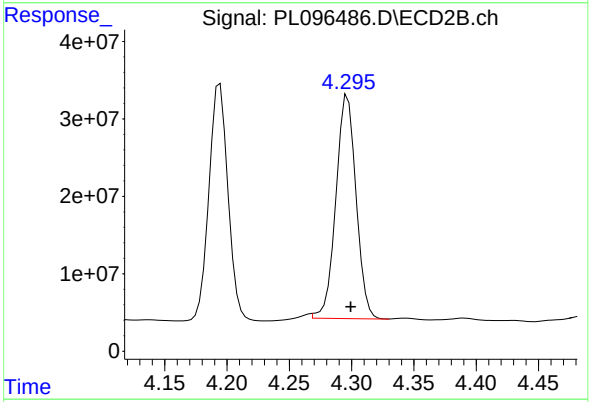
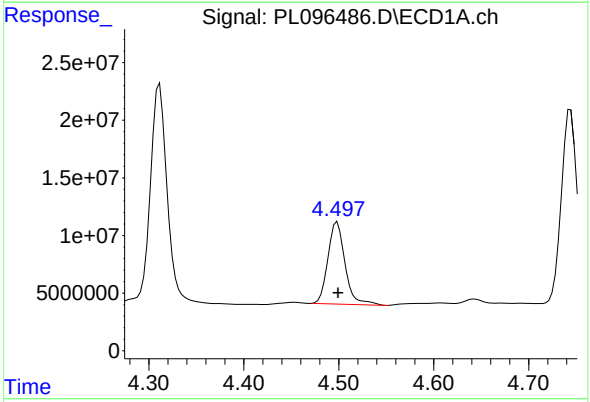


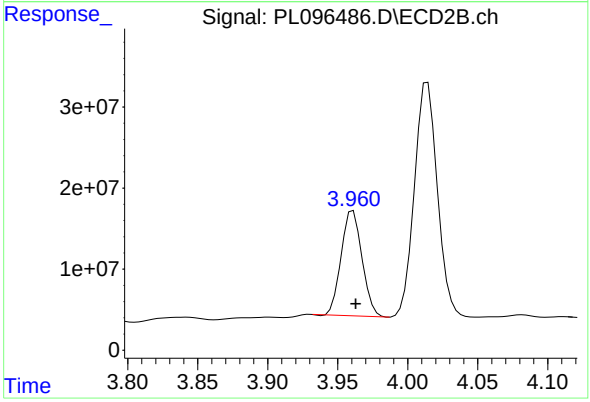
#5 Aldrin

R.T.: 4.295 min
Delta R.T.: -0.004 min
Response: 326051055
Conc: 44.69 ng/ml m



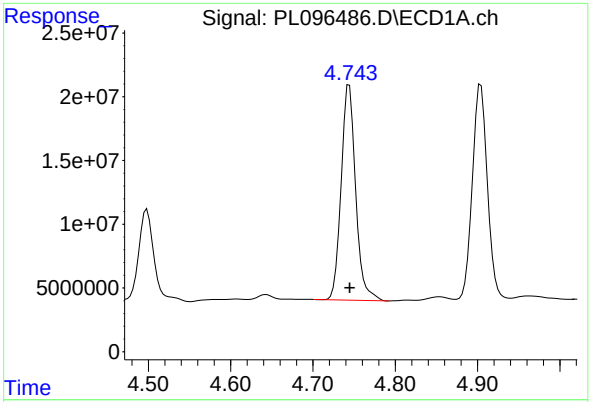
#6 beta-BHC

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

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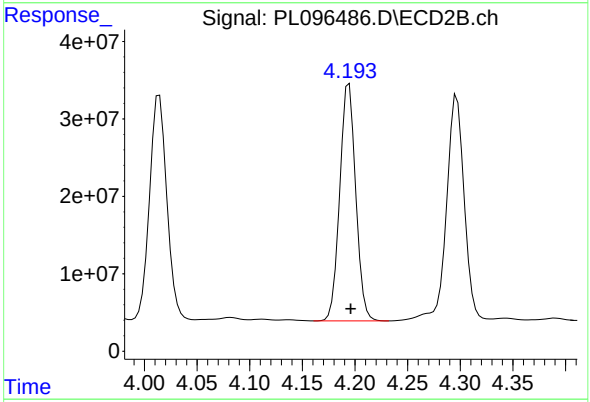
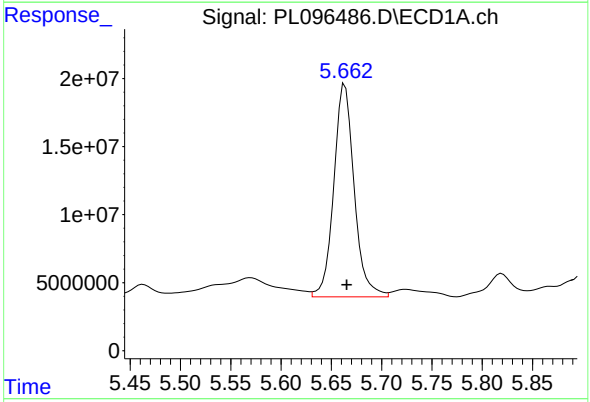


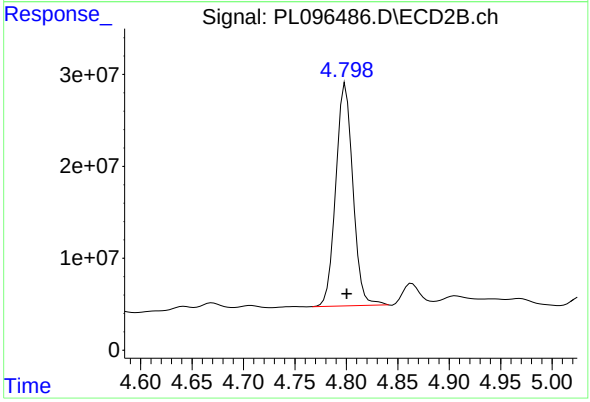
#7 delta-BHC

R.T.: 4.194 min
Delta R.T.: -0.002 min
Response: 325166817
Conc: 42.22 ng/ml



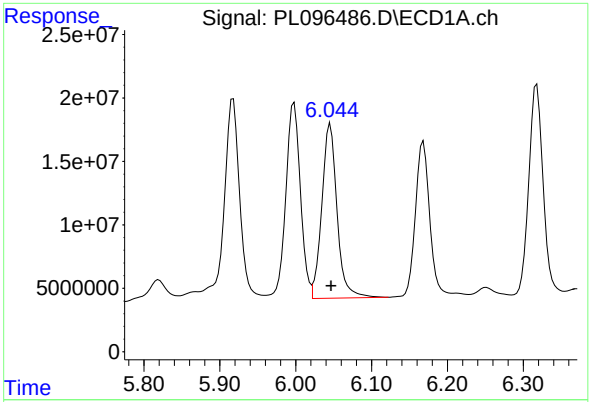
#8 Heptachlor epoxide

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

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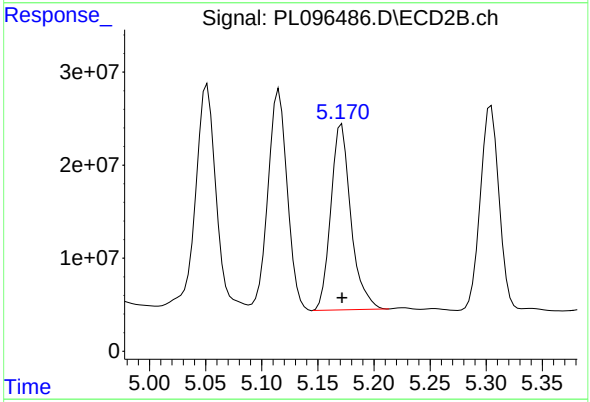
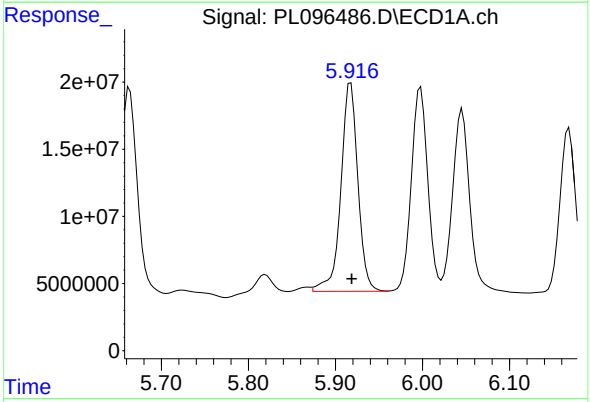


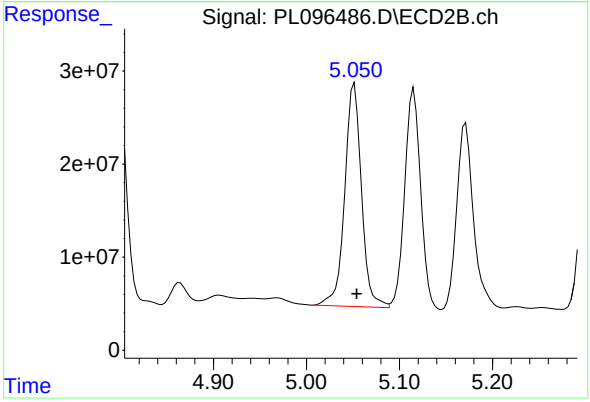
#9 Endosulfan I

R.T.: 5.171 min
Delta R.T.: 0.000 min
Response: 249129255
Conc: 34.73 ng/ml



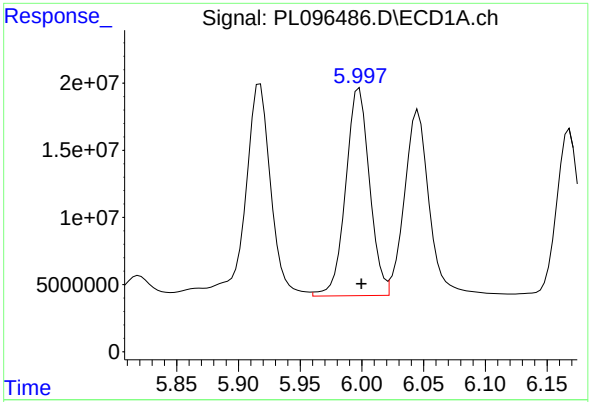
#10 gamma-Chlordane

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

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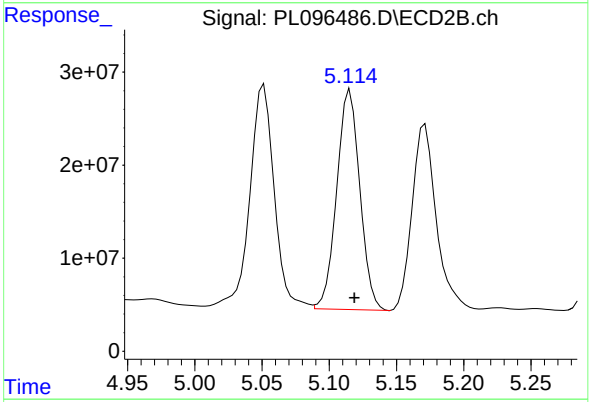
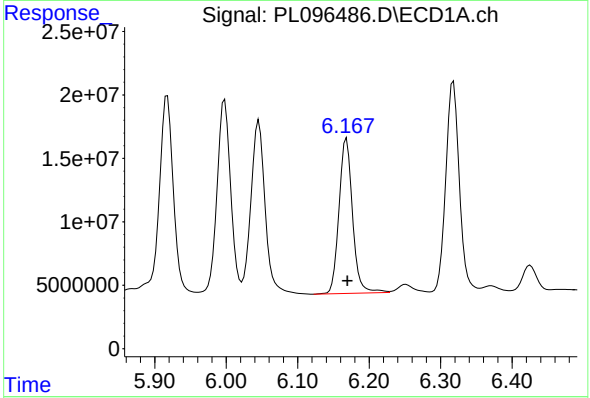


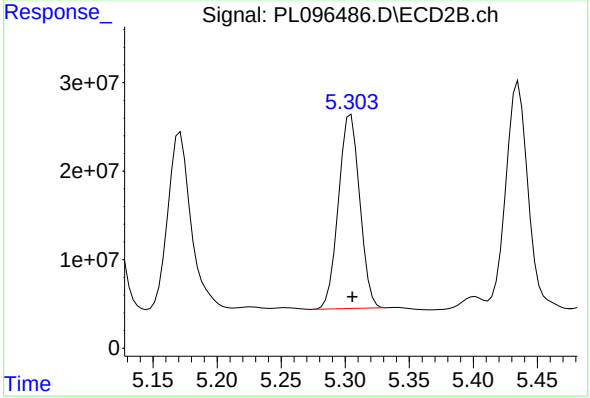
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.003 min
Response: 281895230
Conc: 37.48 ng/ml



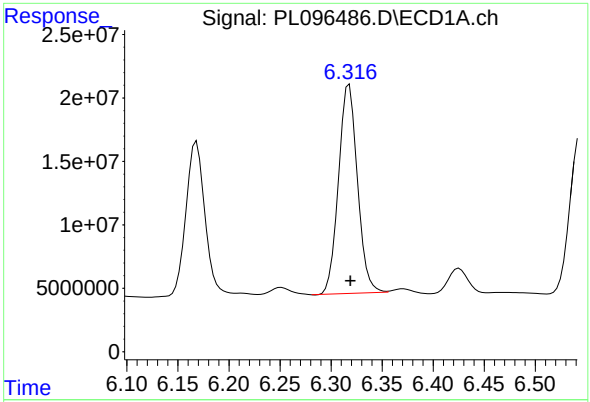
#12 4,4'-DDE

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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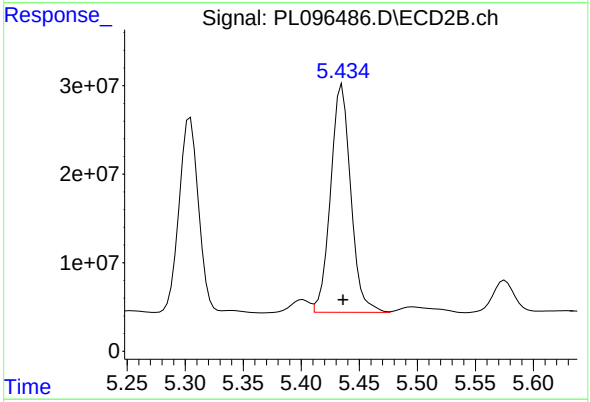
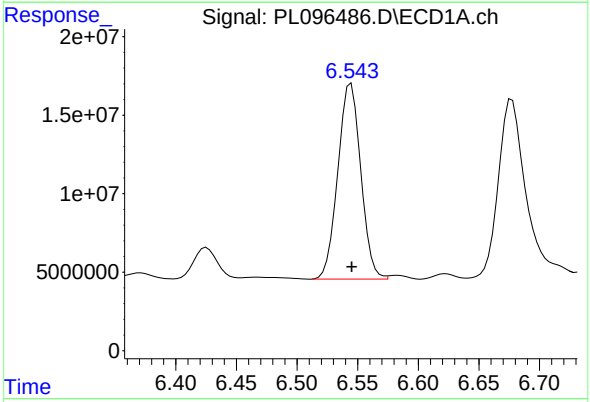


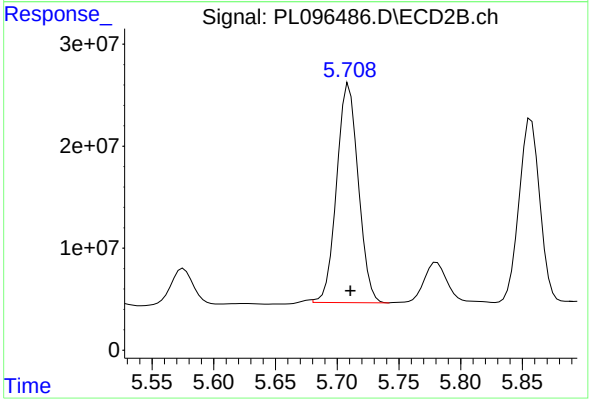
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: 0.000 min
Response: 311900838
Conc: 45.74 ng/ml



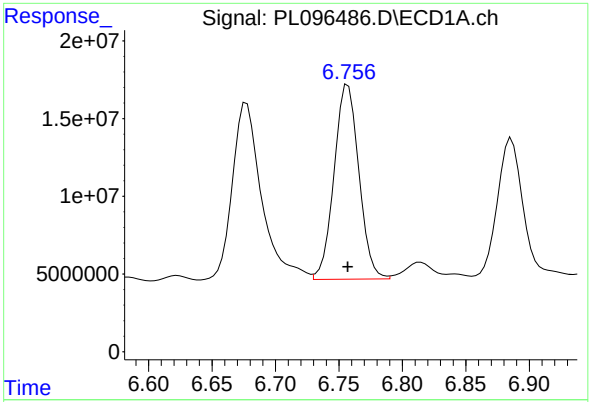
#14 Endrin

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

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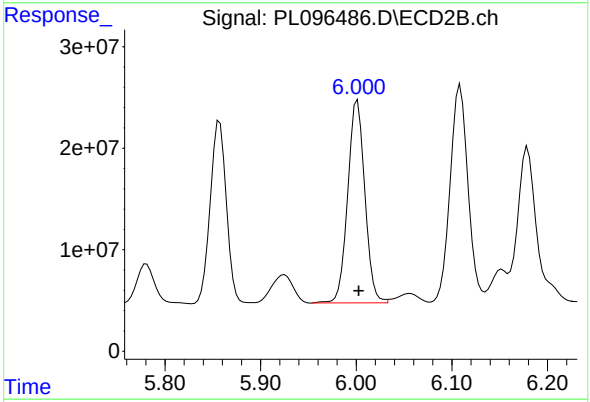
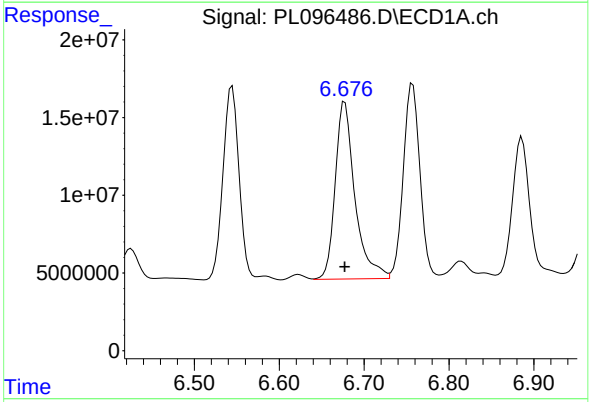


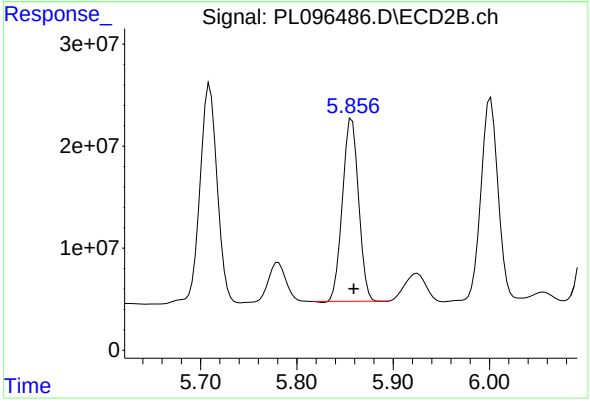
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: -0.001 min
Response: 249347370
Conc: 42.52 ng/ml



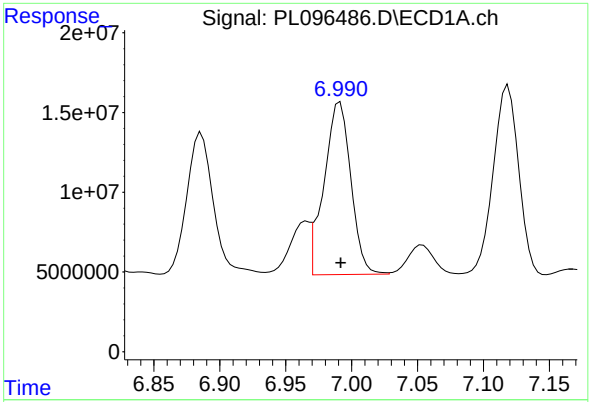
#16 4,4'-DDD

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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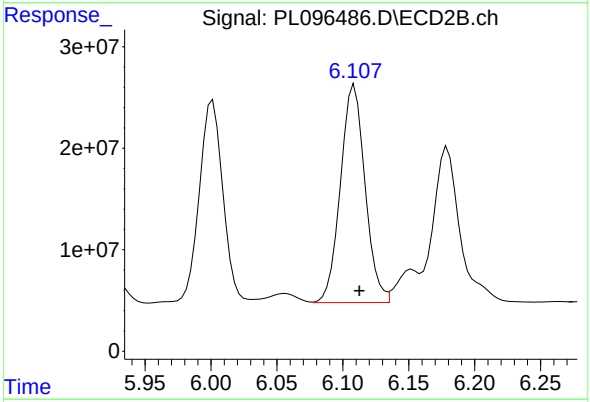
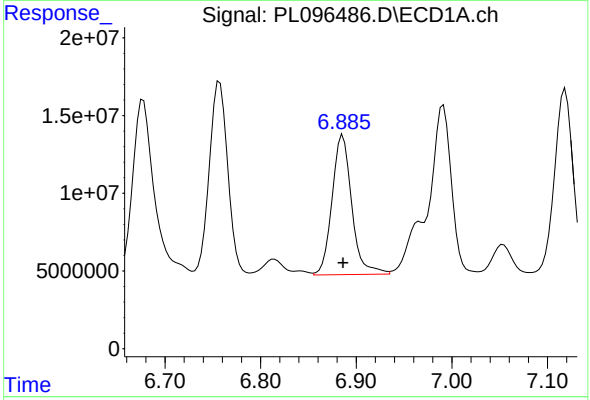


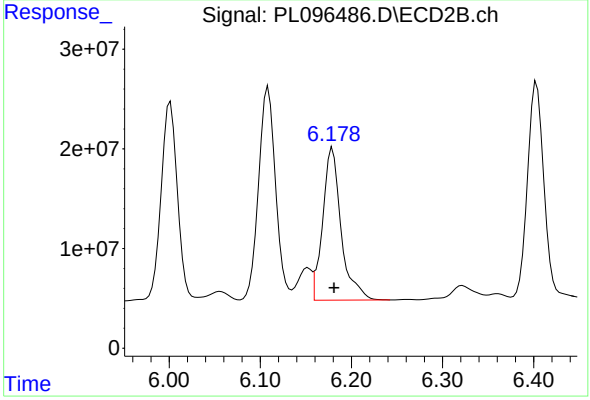
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: -0.004 min
Response: 278186278
Conc: 48.51 ng/ml



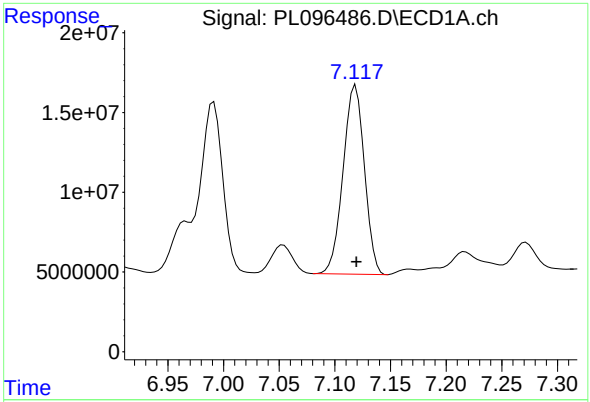
#18 Endrin aldehyde

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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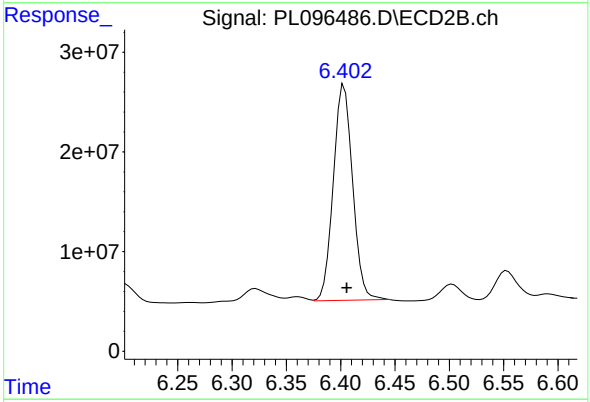
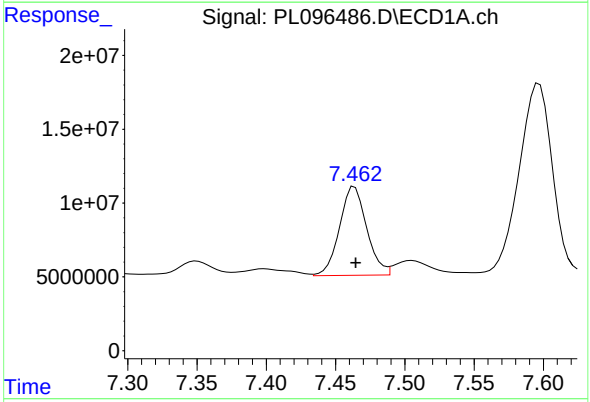


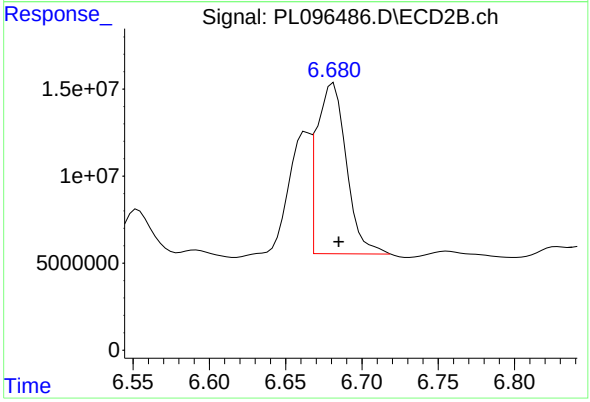
#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: -0.002 min
Response: 267851671
Conc: 47.62 ng/ml



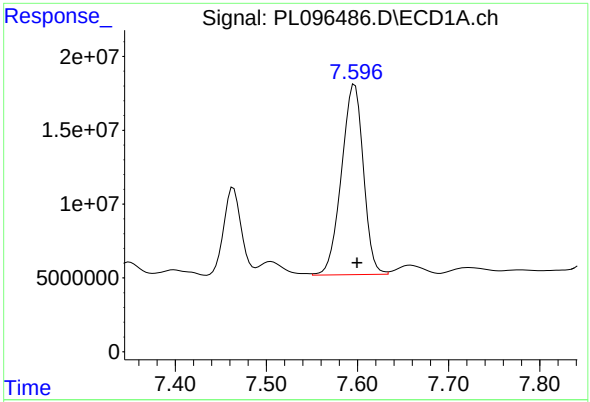
#20 Methoxychlor

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

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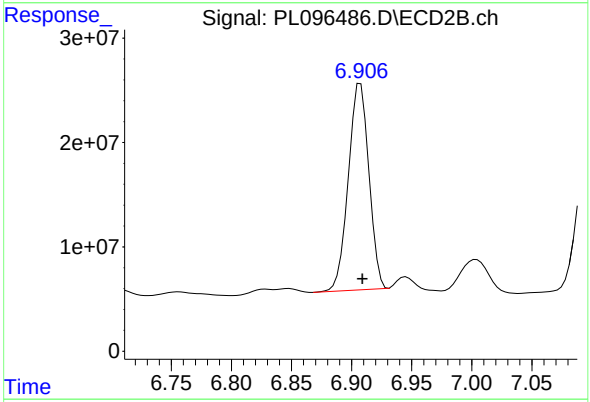
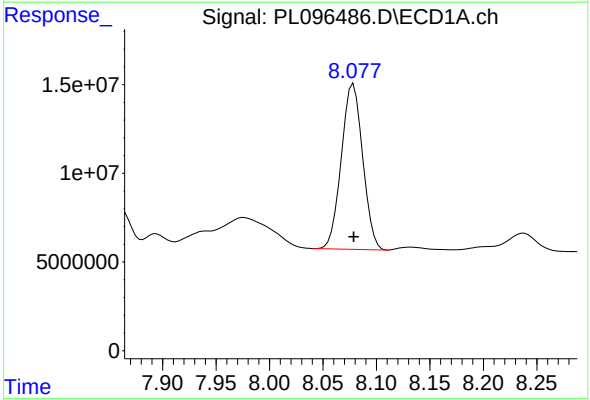


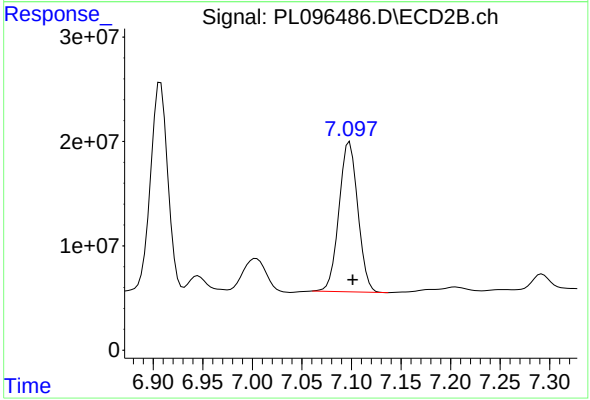
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: -0.002 min
Response: 235926998
Conc: 37.73 ng/ml



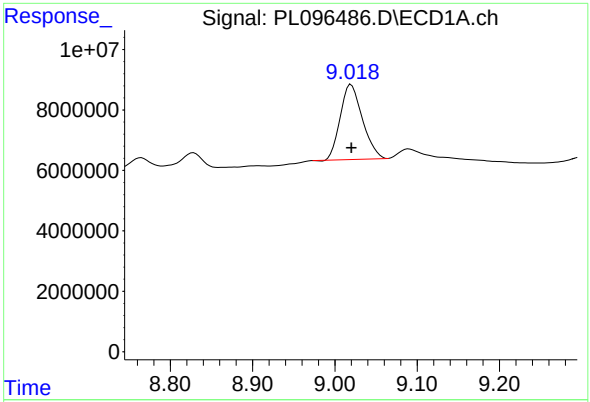
#22 Mirex

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



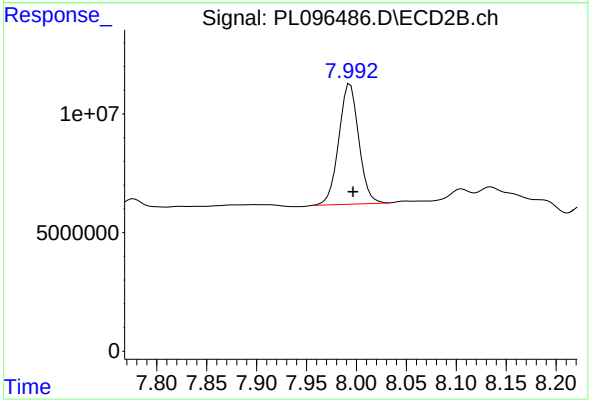
#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 46546754
Conc: 16.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD

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: 70632540
Conc: 14.16 ng/ml

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Manual Integration Report

Sequence:	PD072125	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089538.D	Endrin ketone	Abdul	7/22/2025 8:00:42 AM	mohammad	7/23/2025 1:33:20	Peak Integrated by Software
PEM	PD089538.D	Endrin ketone #2	Abdul	7/22/2025 8:00:42 AM	mohammad	7/23/2025 1:33:20	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd072425	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089592.D	4,4"-DDD	Abdul	7/24/2025 8:33:14 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
PEM	PD089592.D	Endrin ketone	Abdul	7/24/2025 8:33:14 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
PEM	PD089592.D	Endrin ketone #2	Abdul	7/24/2025 8:33:14 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
PTOXCCC500	PD089603.D	Toxaphene-5	Abdul	7/24/2025 8:33:21 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-01	PD089612.D	4,4"-DDD	Abdul	7/24/2025 8:33:37 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-01	PD089612.D	4,4"-DDD #2	Abdul	7/24/2025 8:33:37 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-01	PD089612.D	4,4"-DDE	Abdul	7/24/2025 8:33:37 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-01	PD089612.D	alpha-Chlordane #2	Abdul	7/24/2025 8:33:37 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-01	PD089612.D	Decachlorobiphenyl	Abdul	7/24/2025 8:33:37 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-01	PD089612.D	Dieldrin	Abdul	7/24/2025 8:33:37 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-01	PD089612.D	Dieldrin #2	Abdul	7/24/2025 8:33:37 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-01	PD089612.D	Endrin	Abdul	7/24/2025 8:33:37 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-01	PD089612.D	Endrin #2	Abdul	7/24/2025 8:33:37 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd072425	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2639-01	PD089612.D	gamma-Chlordane	Abdul	7/24/2025 8:33:37 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-01	PD089612.D	gamma-Chlordane #2	Abdul	7/24/2025 8:33:37 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-01	PD089612.D	Tetrachloro-m-xylene	Abdul	7/24/2025 8:33:37 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-01	PD089612.D	Tetrachloro-m-xylene #2	Abdul	7/24/2025 8:33:37 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-03	PD089613.D	4,4"-DDD	Abdul	7/24/2025 8:33:42 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-03	PD089613.D	4,4"-DDD #2	Abdul	7/24/2025 8:33:42 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-03	PD089613.D	4,4"-DDE	Abdul	7/24/2025 8:33:42 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-03	PD089613.D	4,4"-DDT	Abdul	7/24/2025 8:33:42 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-03	PD089613.D	alpha-Chlordane #2	Abdul	7/24/2025 8:33:42 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-03	PD089613.D	Decachlorobiphenyl	Abdul	7/24/2025 8:33:42 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-03	PD089613.D	Endrin	Abdul	7/24/2025 8:33:42 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-03	PD089613.D	Endrin #2	Abdul	7/24/2025 8:33:42 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-03	PD089613.D	gamma-Chlordane	Abdul	7/24/2025 8:33:42 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd072425	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2639-03	PD089613.D	gamma-Chlordane #2	Abdul	7/24/2025 8:33:42 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-03	PD089613.D	Tetrachloro-m-xylene #2	Abdul	7/24/2025 8:33:42 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-05	PD089614.D	4,4"-DDD	Abdul	7/24/2025 8:33:45 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-05	PD089614.D	4,4"-DDD #2	Abdul	7/24/2025 8:33:45 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-05	PD089614.D	4,4"-DDE	Abdul	7/24/2025 8:33:45 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-05	PD089614.D	alpha-Chlordane #2	Abdul	7/24/2025 8:33:45 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-05	PD089614.D	Decachlorobiphenyl	Abdul	7/24/2025 8:33:45 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-05	PD089614.D	Endrin	Abdul	7/24/2025 8:33:45 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-05	PD089614.D	Endrin #2	Abdul	7/24/2025 8:33:45 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-05	PD089614.D	gamma-Chlordane	Abdul	7/24/2025 8:33:45 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-05	PD089614.D	gamma-Chlordane #2	Abdul	7/24/2025 8:33:45 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-05	PD089614.D	Tetrachloro-m-xylene #2	Abdul	7/24/2025 8:33:45 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-07	PD089615.D	4,4"-DDD	Abdul	7/24/2025 8:33:50 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd072425	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2639-07	PD089615.D	4,4"-DDD #2	Abdul	7/24/2025 8:33:50 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-07	PD089615.D	4,4"-DDE	Abdul	7/24/2025 8:33:50 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-07	PD089615.D	4,4"-DDE #2	Abdul	7/24/2025 8:33:50 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-07	PD089615.D	alpha-Chlordane #2	Abdul	7/24/2025 8:33:50 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-07	PD089615.D	Decachlorobiphenyl	Abdul	7/24/2025 8:33:50 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-07	PD089615.D	Endrin	Abdul	7/24/2025 8:33:50 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-07	PD089615.D	Endrin #2	Abdul	7/24/2025 8:33:50 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-07	PD089615.D	gamma-Chlordane	Abdul	7/24/2025 8:33:50 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-07	PD089615.D	gamma-Chlordane #2	Abdul	7/24/2025 8:33:50 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-07	PD089615.D	Tetrachloro-m-xylene #2	Abdul	7/24/2025 8:33:50 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-09	PD089616.D	4,4"-DDE #2	Abdul	7/24/2025 8:33:53 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-09	PD089616.D	alpha-Chlordane #2	Abdul	7/24/2025 8:33:53 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-09	PD089616.D	Decachlorobiphenyl	Abdul	7/24/2025 8:33:53 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd072425	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2639-09	PD089616.D	Decachlorobiphenyl #2	Abdul	7/24/2025 8:33:53 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-09	PD089616.D	Endrin	Abdul	7/24/2025 8:33:53 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-09	PD089616.D	Endrin #2	Abdul	7/24/2025 8:33:53 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-09	PD089616.D	gamma-Chlordane	Abdul	7/24/2025 8:33:53 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-09	PD089616.D	gamma-Chlordane #2	Abdul	7/24/2025 8:33:53 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-09	PD089616.D	Tetrachloro-m-xylene #2	Abdul	7/24/2025 8:33:53 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-11	PD089617.D	4,4"-DDE #2	Abdul	7/24/2025 8:33:56 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-11	PD089617.D	alpha-Chlordane #2	Abdul	7/24/2025 8:33:56 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-11	PD089617.D	Decachlorobiphenyl	Abdul	7/24/2025 8:33:56 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-11	PD089617.D	Decachlorobiphenyl #2	Abdul	7/24/2025 8:33:56 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-11	PD089617.D	Dieldrin #2	Abdul	7/24/2025 8:33:56 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-11	PD089617.D	Endrin	Abdul	7/24/2025 8:33:56 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-11	PD089617.D	Endrin #2	Abdul	7/24/2025 8:33:56 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd072425	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2639-11	PD089617.D	gamma-Chlordane	Abdul	7/24/2025 8:33:56 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-11	PD089617.D	gamma-Chlordane #2	Abdul	7/24/2025 8:33:56 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-11	PD089617.D	Tetrachloro-m-xylene #2	Abdul	7/24/2025 8:33:56 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-13	PD089618.D	alpha-Chlordane	Abdul	7/24/2025 8:34:01 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-13	PD089618.D	Decachlorobiphenyl	Abdul	7/24/2025 8:34:01 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-13	PD089618.D	gamma-Chlordane	Abdul	7/24/2025 8:34:01 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software
Q2639-13	PD089618.D	gamma-Chlordane #2	Abdul	7/24/2025 8:34:01 AM	mohammad	7/24/2025 9:21:10	Peak Integrated by Software

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Sequence:	pd072525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2639-09RE	PD089629.D	4,4"-DDE #2	Abdul	7/25/2025 9:51:35 AM	mohammad	7/26/2025 3:49:21	Peak Integrated by Software
Q2639-09RE	PD089629.D	alpha-Chlordane #2	Abdul	7/25/2025 9:51:35 AM	mohammad	7/26/2025 3:49:21	Peak Integrated by Software
Q2639-09RE	PD089629.D	Decachlorobiphenyl	Abdul	7/25/2025 9:51:35 AM	mohammad	7/26/2025 3:49:21	Peak Integrated by Software
Q2639-09RE	PD089629.D	Decachlorobiphenyl #2	Abdul	7/25/2025 9:51:35 AM	mohammad	7/26/2025 3:49:21	Peak Integrated by Software
Q2639-09RE	PD089629.D	Dieldrin	Abdul	7/25/2025 9:51:35 AM	mohammad	7/26/2025 3:49:21	Peak Integrated by Software
Q2639-09RE	PD089629.D	Dieldrin #2	Abdul	7/25/2025 9:51:35 AM	mohammad	7/26/2025 3:49:21	Peak Integrated by Software
Q2639-09RE	PD089629.D	Endrin	Abdul	7/25/2025 9:51:35 AM	mohammad	7/26/2025 3:49:21	Peak Integrated by Software
Q2639-09RE	PD089629.D	Endrin #2	Abdul	7/25/2025 9:51:35 AM	mohammad	7/26/2025 3:49:21	Peak Integrated by Software
Q2639-09RE	PD089629.D	gamma-Chlordane	Abdul	7/25/2025 9:51:35 AM	mohammad	7/26/2025 3:49:21	Peak Integrated by Software
Q2639-09RE	PD089629.D	gamma-Chlordane #2	Abdul	7/25/2025 9:51:35 AM	mohammad	7/26/2025 3:49:21	Peak Integrated by Software
Q2639-09RE	PD089629.D	Tetrachloro-m-xylene #2	Abdul	7/25/2025 9:51:35 AM	mohammad	7/26/2025 3:49:21	Peak Integrated by Software
Q2639-11RE	PD089630.D	4,4"-DDE #2	Abdul	7/25/2025 9:51:38 AM	mohammad	7/26/2025 3:49:21	Peak Integrated by Software
Q2639-11RE	PD089630.D	alpha-Chlordane #2	Abdul	7/25/2025 9:51:38 AM	mohammad	7/26/2025 3:49:21	Peak Integrated by Software

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Sequence:	pd072525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2639-11RE	PD089630.D	Dieldrin #2	Abdul	7/25/2025 9:51:38 AM	mohammad	7/26/2025 3:49:21	Peak Integrated by Software
Q2639-11RE	PD089630.D	Endrin	Abdul	7/25/2025 9:51:38 AM	mohammad	7/26/2025 3:49:21	Peak Integrated by Software
Q2639-11RE	PD089630.D	Endrin #2	Abdul	7/25/2025 9:51:38 AM	mohammad	7/26/2025 3:49:21	Peak Integrated by Software
Q2639-11RE	PD089630.D	gamma-Chlordane	Abdul	7/25/2025 9:51:38 AM	mohammad	7/26/2025 3:49:21	Peak Integrated by Software
Q2639-11RE	PD089630.D	gamma-Chlordane #2	Abdul	7/25/2025 9:51:38 AM	mohammad	7/26/2025 3:49:21	Peak Integrated by Software
Q2639-11RE	PD089630.D	Tetrachloro-m-xylene #2	Abdul	7/25/2025 9:51:38 AM	mohammad	7/26/2025 3:49:21	Peak Integrated by Software
Q2639-13RE	PD089631.D	alpha-Chlordane	Abdul	7/25/2025 9:51:41 AM	mohammad	7/26/2025 3:49:21	Peak Integrated by Software
Q2639-13RE	PD089631.D	gamma-Chlordane #2	Abdul	7/25/2025 9:51:41 AM	mohammad	7/26/2025 3:49:21	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
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
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:	pl072125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072125

Review By	Abdul	Review On	7/22/2025 8:03:16 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:33:20 AM		
SubDirectory	PD072125	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089536.D	21 Jul 2025 11:27	AR\AJ	Ok
2	I.BLK	PD089537.D	21 Jul 2025 12:08	AR\AJ	Ok
3	PEM	PD089538.D	21 Jul 2025 12:22	AR\AJ	Ok,M
4	RESCHK	PD089539.D	21 Jul 2025 12:35	AR\AJ	Ok
5	PSTDICC100	PD089540.D	21 Jul 2025 12:49	AR\AJ	Ok
6	PSTDICC075	PD089541.D	21 Jul 2025 13:03	AR\AJ	Ok
7	PSTDICC050	PD089542.D	21 Jul 2025 13:16	AR\AJ	Ok
8	PSTDICC025	PD089543.D	21 Jul 2025 13:30	AR\AJ	Ok
9	PSTDICC005	PD089544.D	21 Jul 2025 13:44	AR\AJ	Ok
10	PCHLORICC1000	PD089545.D	21 Jul 2025 13:57	AR\AJ	Ok
11	PCHLORICC750	PD089546.D	21 Jul 2025 14:11	AR\AJ	Ok
12	PCHLORICC500	PD089547.D	21 Jul 2025 14:25	AR\AJ	Ok
13	PCHLORICC250	PD089548.D	21 Jul 2025 14:38	AR\AJ	Ok
14	PCHLORICC050	PD089549.D	21 Jul 2025 14:52	AR\AJ	Ok
15	PTOXICC1000	PD089550.D	21 Jul 2025 15:05	AR\AJ	Ok
16	PTOXICC750	PD089551.D	21 Jul 2025 15:19	AR\AJ	Ok
17	PTOXICC500	PD089552.D	21 Jul 2025 15:32	AR\AJ	Ok
18	PTOXICC250	PD089553.D	21 Jul 2025 15:46	AR\AJ	Ok,M
19	PTOXICC100	PD089554.D	21 Jul 2025 15:59	AR\AJ	Ok
20	PSTDICV050	PD089555.D	21 Jul 2025 16:25	AR\AJ	Ok
21	PCHLORICV500	PD089556.D	21 Jul 2025 16:39	AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072125

Review By	Abdul	Review On	7/22/2025 8:03:16 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:33:20 AM		
SubDirectory	PD072125	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PTOXICV500	PD089557.D	21 Jul 2025 16:52	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072425

Review By	Abdul	Review On	7/24/2025 9:20:07 AM		
Supervise By	mohammad	Supervise On	7/24/2025 9:21:10 AM		
SubDirectory	PD072425	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089590.D	23 Jul 2025 12:22	AR\AJ	Ok
2	I.BLK	PD089591.D	23 Jul 2025 12:35	AR\AJ	Ok
3	PEM	PD089592.D	23 Jul 2025 12:49	AR\AJ	Ok,M
4	PSTDCCC050	PD089593.D	23 Jul 2025 13:02	AR\AJ	Ok
5	PCHLORCCC500	PD089594.D	23 Jul 2025 13:39	AR\AJ	Ok
6	PTOXCCC500	PD089595.D	23 Jul 2025 13:57	AR\AJ	Ok
7	PB168928BL	PD089596.D	23 Jul 2025 14:18	AR\AJ	Not Ok
8	PB168928BS	PD089597.D	23 Jul 2025 15:19	AR\AJ	Not Ok
9	PB168928BS	PD089598.D	23 Jul 2025 15:32	AR\AJ	Ok
10	PB168928BS	PD089599.D	23 Jul 2025 15:46	AR\AJ	Ok,M
11	I.BLK	PD089600.D	23 Jul 2025 16:00	AR\AJ	Ok
12	PSTDCCC050	PD089601.D	23 Jul 2025 16:13	AR\AJ	Ok
13	PCHLORCCC500	PD089602.D	23 Jul 2025 16:27	AR\AJ	Ok
14	PTOXCCC500	PD089603.D	23 Jul 2025 16:41	AR\AJ	Ok,M
15	Q2555-01RE	PD089604.D	23 Jul 2025 16:54	AR\AJ	Confirms
16	Q2555-03RE	PD089605.D	23 Jul 2025 17:08	AR\AJ	Confirms
17	Q2633-02	PD089606.D	23 Jul 2025 17:21	AR\AJ	Ok,M
18	PB168972BL	PD089607.D	23 Jul 2025 17:35	AR\AJ	Ok
19	PB168972BS	PD089608.D	23 Jul 2025 17:48	AR\AJ	Not Ok
20	PB168972BSD	PD089609.D	23 Jul 2025 18:02	AR\AJ	Not Ok
21	I.BLK	PD089610.D	23 Jul 2025 18:16	AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072425

Review By	Abdul	Review On	7/24/2025 9:20:07 AM		
Supervise By	mohammad	Supervise On	7/24/2025 9:21:10 AM		
SubDirectory	PD072425	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PSTDCCC050	PD089611.D	23 Jul 2025 18:29	AR\AJ	Ok
23	Q2639-01	PD089612.D	23 Jul 2025 18:57	AR\AJ	Ok,M
24	Q2639-03	PD089613.D	23 Jul 2025 19:10	AR\AJ	Ok,M
25	Q2639-05	PD089614.D	23 Jul 2025 19:24	AR\AJ	Ok,M
26	Q2639-07	PD089615.D	23 Jul 2025 19:38	AR\AJ	Ok,M
27	Q2639-09	PD089616.D	23 Jul 2025 19:51	AR\AJ	ReRun
28	Q2639-11	PD089617.D	23 Jul 2025 20:05	AR\AJ	ReRun
29	Q2639-13	PD089618.D	23 Jul 2025 20:19	AR\AJ	ReRun
30	I.BLK	PD089619.D	23 Jul 2025 20:46	AR\AJ	Ok
31	PSTDCCC050	PD089620.D	23 Jul 2025 22:08	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072525

Review By	Abdul	Review On	7/25/2025 9:53:47 AM		
Supervise By	mohammad	Supervise On	7/26/2025 3:49:21 AM		
SubDirectory	PD072525	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089621.D	24 Jul 2025 10:34	AR\AJ	Ok
2	I.BLK	PD089622.D	24 Jul 2025 10:48	AR\AJ	Ok
3	PEM	PD089623.D	24 Jul 2025 11:01	AR\AJ	Ok
4	PSTDCCC050	PD089624.D	24 Jul 2025 11:15	AR\AJ	Ok
5	PB168972BS	PD089625.D	24 Jul 2025 12:15	AR\AJ	Ok
6	PB168972BSD	PD089626.D	24 Jul 2025 14:15	AR\AJ	Ok,M
7	I.BLK	PD089627.D	24 Jul 2025 16:50	AR\AJ	Ok
8	PSTDCCC050	PD089628.D	24 Jul 2025 17:04	AR\AJ	Ok
9	Q2639-09RE	PD089629.D	24 Jul 2025 17:44	AR\AJ	Confirms
10	Q2639-11RE	PD089630.D	24 Jul 2025 17:58	AR\AJ	Confirms
11	Q2639-13RE	PD089631.D	24 Jul 2025 18:12	AR\AJ	Confirms
12	I.BLK	PD089632.D	24 Jul 2025 18:53	AR\AJ	Ok
13	PSTDCCC050	PD089633.D	24 Jul 2025 19:06	AR\AJ	Ok

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	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_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072125

Review By	Abdul	Review On	7/22/2025 8:03:16 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:33:20 AM		
SubDirectory	PD072125	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089536.D	21 Jul 2025 11:27		AR\AJ	Ok
2	I.BLK	I.BLK	PD089537.D	21 Jul 2025 12:08		AR\AJ	Ok
3	PEM	PEM	PD089538.D	21 Jul 2025 12:22		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD089539.D	21 Jul 2025 12:35		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD089540.D	21 Jul 2025 12:49		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD089541.D	21 Jul 2025 13:03		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD089542.D	21 Jul 2025 13:16		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD089543.D	21 Jul 2025 13:30		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD089544.D	21 Jul 2025 13:44		AR\AJ	Ok
10	PCHLORICC1000	PCHLORICC1000	PD089545.D	21 Jul 2025 13:57		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD089546.D	21 Jul 2025 14:11		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD089547.D	21 Jul 2025 14:25		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD089548.D	21 Jul 2025 14:38		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD089549.D	21 Jul 2025 14:52		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PD089550.D	21 Jul 2025 15:05		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD089551.D	21 Jul 2025 15:19		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD089552.D	21 Jul 2025 15:32		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD089553.D	21 Jul 2025 15:46		AR\AJ	Ok,M

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072125

Review By	Abdul	Review On	7/22/2025 8:03:16 AM		
Supervise By	mohammad	Supervise On	7/23/2025 1:33:20 AM		
SubDirectory	PD072125	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PTOXICC100	PTOXICC100	PD089554.D	21 Jul 2025 15:59		AR\AJ	Ok
20	PSTDICV050	ICVPD072125	PD089555.D	21 Jul 2025 16:25		AR\AJ	Ok
21	PCHLORICV500	ICVPD072125CHLOR	PD089556.D	21 Jul 2025 16:39		AR\AJ	Ok
22	PTOXICV500	ICVPD072125TOX	PD089557.D	21 Jul 2025 16:52		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072425

Review By	Abdul	Review On	7/24/2025 9:20:07 AM		
Supervise By	mohammad	Supervise On	7/24/2025 9:21:10 AM		
SubDirectory	PD072425	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089590.D	23 Jul 2025 12:22		AR\AJ	Ok
2	I.BLK	I.BLK	PD089591.D	23 Jul 2025 12:35		AR\AJ	Ok
3	PEM	PEM	PD089592.D	23 Jul 2025 12:49		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD089593.D	23 Jul 2025 13:02		AR\AJ	Ok
5	PCHLORCCC500	PCHLORCCC500	PD089594.D	23 Jul 2025 13:39		AR\AJ	Ok
6	PTOXCCC500	PTOXCCC500	PD089595.D	23 Jul 2025 13:57		AR\AJ	Ok
7	PB168928BL	PB168928BL	PD089596.D	23 Jul 2025 14:18	already analyzed	AR\AJ	Not Ok
8	PB168928BS	PB168928BS	PD089597.D	23 Jul 2025 15:19	already analyzed	AR\AJ	Not Ok
9	PB168928BS	PB168928BS	PD089598.D	23 Jul 2025 15:32		AR\AJ	Ok
10	PB168928BS	PB168928BS	PD089599.D	23 Jul 2025 15:46		AR\AJ	Ok,M
11	I.BLK	I.BLK	PD089600.D	23 Jul 2025 16:00		AR\AJ	Ok
12	PSTDCCC050	PSTDCCC050	PD089601.D	23 Jul 2025 16:13		AR\AJ	Ok
13	PCHLORCCC500	PCHLORCCC500	PD089602.D	23 Jul 2025 16:27		AR\AJ	Ok
14	PTOXCCC500	PTOXCCC500	PD089603.D	23 Jul 2025 16:41		AR\AJ	Ok,M
15	Q2555-01RE	OU4-TS-29-070925RE	PD089604.D	23 Jul 2025 16:54	DCB Low in both column	AR\AJ	Confirms
16	Q2555-03RE	OU4-TS-30-070925RE	PD089605.D	23 Jul 2025 17:08	DCB Low in both column	AR\AJ	Confirms
17	Q2633-02	FIBER-GLASS-TANK	PD089606.D	23 Jul 2025 17:21		AR\AJ	Ok,M
18	PB168972BL	PB168972BL	PD089607.D	23 Jul 2025 17:35		AR\AJ	Ok

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072425

Review By	Abdul	Review On	7/24/2025 9:20:07 AM		
Supervise By	mohammad	Supervise On	7/24/2025 9:21:10 AM		
SubDirectory	PD072425	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB168972BS	PB168972BS	PD089608.D	23 Jul 2025 17:48	some compound recovery fail	AR\AJ	Not Ok
20	PB168972BSD	PB168972BSD	PD089609.D	23 Jul 2025 18:02	some compound recovery fail	AR\AJ	Not Ok
21	I.BLK	I.BLK	PD089610.D	23 Jul 2025 18:16		AR\AJ	Ok
22	PSTDCCC050	PSTDCCC050	PD089611.D	23 Jul 2025 18:29		AR\AJ	Ok
23	Q2639-01	OU4-TS-38-071725	PD089612.D	23 Jul 2025 18:57	DCB Low in 2nd column	AR\AJ	Ok,M
24	Q2639-03	OU4-TS-39-071725	PD089613.D	23 Jul 2025 19:10	DCB Low in 2nd column	AR\AJ	Ok,M
25	Q2639-05	OU4-TS-40-071725	PD089614.D	23 Jul 2025 19:24	DCB Low in 2nd column	AR\AJ	Ok,M
26	Q2639-07	OU4-TS-41-071725	PD089615.D	23 Jul 2025 19:38	DCB Low in 2nd column	AR\AJ	Ok,M
27	Q2639-09	OU4-TS-42-071725	PD089616.D	23 Jul 2025 19:51	DCB Low in both column	AR\AJ	ReRun
28	Q2639-11	OU4-TS-43-071725	PD089617.D	23 Jul 2025 20:05	DCB Low in both column	AR\AJ	ReRun
29	Q2639-13	OU4-TS-44-071725	PD089618.D	23 Jul 2025 20:19	DCB Low in both column	AR\AJ	ReRun
30	I.BLK	I.BLK	PD089619.D	23 Jul 2025 20:46		AR\AJ	Ok
31	PSTDCCC050	PSTDCCC050	PD089620.D	23 Jul 2025 22:08		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD072525

Review By	Abdul	Review On	7/25/2025 9:53:47 AM		
Supervise By	mohammad	Supervise On	7/26/2025 3:49:21 AM		
SubDirectory	PD072525	HP Acquire Method		HP Processing Method	pd072125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24750,PP24751,PP24752,PP24753,PP24746,PP24755,PP24756,PP24757,PP24758,PP24748,PP24760,PP24761,PP24762,PP24763
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089621.D	24 Jul 2025 10:34		AR\AJ	Ok
2	I.BLK	I.BLK	PD089622.D	24 Jul 2025 10:48		AR\AJ	Ok
3	PEM	PEM	PD089623.D	24 Jul 2025 11:01		AR\AJ	Ok
4	PSTDCCC050	PSTDCCC050	PD089624.D	24 Jul 2025 11:15		AR\AJ	Ok
5	PB168972BS	PB168972BS	PD089625.D	24 Jul 2025 12:15		AR\AJ	Ok
6	PB168972BSD	PB168972BSD	PD089626.D	24 Jul 2025 14:15		AR\AJ	Ok,M
7	I.BLK	I.BLK	PD089627.D	24 Jul 2025 16:50		AR\AJ	Ok
8	PSTDCCC050	PSTDCCC050	PD089628.D	24 Jul 2025 17:04		AR\AJ	Ok
9	Q2639-09RE	OU4-TS-42-071725RE	PD089629.D	24 Jul 2025 17:44	DCB Low in both column	AR\AJ	Confirms
10	Q2639-11RE	OU4-TS-43-071725RE	PD089630.D	24 Jul 2025 17:58	DCB Low in both column	AR\AJ	Confirms
11	Q2639-13RE	OU4-TS-44-071725RE	PD089631.D	24 Jul 2025 18:12	DCB Low in both column	AR\AJ	Confirms
12	I.BLK	I.BLK	PD089632.D	24 Jul 2025 18:53		AR\AJ	Ok
13	PSTDCCC050	PSTDCCC050	PD089633.D	24 Jul 2025 19:06		AR\AJ	Ok

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

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 07/18/25 151.30

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 07/18/25 17:35

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

VB 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
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-Prep + IPQ
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

Q2635-Pesticide-TCL

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 : Q2639

Test : Pesticide-TCL

Prepbatch ID : PB168928,

Sequence ID/Qc Batch ID: pd072425,pd072525,pl072125,

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,PP24738,PP24739,PP24740,PP24741,PP24742,PP24744,PP24745,PP24746,PP24747,PP24748,PP24749,PP24750,PP24751,PP24752,PP24753,PP24754,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764,

Chemical ID :
E3551,E3877,E3914,E3927,E3937,E3941,E3944,E3949,E3950,E3951,E3956,P12603,P12604,P12610,P 12611,P13037,P13038,P13040,P13041,P13195,P13196,P13246,P13356,P13405,P13774,P13785,P13786,P13788,P13861,P13862,P9052,P9053,W3177,

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP24255	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 1.00000ml of P13785 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP24256	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 1.00000ml of P13040 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

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

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
80	100/100 PPB Pesticide Working Solution 2nd Source	PP24261	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24257 + 0.50000ml of PP24259 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
386	1000/100 PPB Chlordane STD (Restek)	PP24262	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.10000ml of P12603 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24266	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.10000ml of P12611 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
383	1000/100 PPB Toxaphene STD (Restek)	PP24267	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.10000ml of P13405 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24268	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.10000ml of P13861 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3631	75 PPB ICAL PEST STD(RESTEK)	PP24269	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3632	50 PPB ICAL PEST STD(RESTEK)	PP24270	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24260 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3633	25 PPB ICAL PEST STD(RESTEK)	PP24271	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3634	5 PPB ICAL PEST STD(RESTEK)	PP24272	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24270 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3988	50 PPB PEST ICV STD(RESTEK)	PP24273	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24261 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
528	CHLOR 750 PPB STD	PP24274	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24262 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
529	CHLOR 500 PPB STD	PP24275	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24262 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
530	CHLOR 250 PPB STD	PP24277	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24262 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3408	CHLOR 50 PPB STD	PP24278	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24275 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
532	CHLOR 500 PPB ICV STD	PP24279	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24266 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
533	TOX 750 PPB STD	PP24280	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24267 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
534	TOX 500 PPB STD	PP24281	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24267 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
535	TOX 250 PPB STD	PP24282	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24267 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2217	TOX 100 PPB STD	PP24283	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24267 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3670	TOX 500 PPB ICV std (RESTEK)	PP24284	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24268 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
518	Pest/PCB I.BLK 20 PPB	PP24433	03/31/2025	08/22/2025	Abdul Mirza	None	None	Yogesh Patel 04/02/2025

FROM 99.90000ml of E3914 + 0.10000ml of PP24329 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3878	1000 PPB TOXAPHENE SPIKE (RESTEK)	PP24621	06/04/2025	09/10/2025	Abdul Mirza	None	None	Yogesh Patel 06/11/2025

FROM 0.10000ml of P13861 + 99.90000ml of E3937 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1501	1000 ppb CHLORDANE SPIKE (RESTEK)	PP24622	06/04/2025	09/09/2025	Abdul Mirza	None	None	Yogesh Patel 06/11/2025

FROM 0.10000ml of P12611 + 99.90000ml of E3937 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
79	500 PPB Pesticide Spike Solution	PP24627	06/10/2025	08/12/2025	Abdul Mirza	None	None	Yogesh Patel 06/11/2025

FROM 95.00000ml of E3937 + 2.50000ml of PP24257 + 2.50000ml of PP24259 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4027	Pesticide resolution Check Mixture 8081	PP24651	06/16/2025	12/11/2025	Abdul Mirza	None	None	Yogesh Patel 07/22/2025

FROM 1.00000ml of P13246 + 99.00000ml of E3941 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
465	200 PPB Pest/PCB Surrogate Spike	PP24663	06/24/2025	12/24/2025	Abdul Mirza	None	None	Yogesh Patel 07/21/2025

FROM 1.00000ml of P13786 + 999.00000ml of E3944 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP24738	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 1.00000ml of P13038 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1472	20 PPM Pest Stock Solution 2nd Source	PP24739	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 1.00000ml of P13041 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1273	20 PPM Mirex Stock (Primary Source)	PP24740	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 1.00000ml of P9053 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3663	20 PPM MIREX Stock STD (Secondary source)	PP24741	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 1.00000ml of P13196 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP24742	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 1.00000ml of P13788 + 9.00000ml of E3956 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP24744	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 98.50000ml of E3956 + 0.50000ml of PP24738 + 0.50000ml of PP24740 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
80	100/100 PPB Pesticide Working Solution 2nd Source	PP24745	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 98.50000ml of E3956 + 0.50000ml of PP24739 + 0.50000ml of PP24741 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
386	1000/100 PPB Chlordane STD (Restek)	PP24746	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.10000ml of P12604 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24747	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.10000ml of P12610 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
383	1000/100 PPB Toxaphene STD (Restek)	PP24748	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.10000ml of P13774 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24749	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.10000ml of P13862 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3631	75 PPB ICAL PEST STD(RESTEK)	PP24750	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.25000ml of E3956 + 0.75000ml of PP24744 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3632	50 PPB ICAL PEST STD(RESTEK)	PP24751	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24744 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3633	25 PPB ICAL PEST STD(RESTEK)	PP24752	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.75000ml of E3956 + 0.25000ml of PP24744 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3634	5 PPB ICAL PEST STD(RESTEK)	PP24753	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.90000ml of E3956 + 0.10000ml of PP24751 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3988	50 PPB PEST ICV STD(RESTEK)	PP24754	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24745 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
528	CHLOR 750 PPB STD	PP24755	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.25000ml of E3956 + 0.75000ml of PP24746 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
529	CHLOR 500 PPB STD	PP24756	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24746 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
530	CHLOR 250 PPB STD	PP24757	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.75000ml of E3956 + 0.25000ml of PP24746 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3408	CHLOR 50 PPB STD	PP24758	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.90000ml of E3956 + 0.10000ml of PP24756 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
532	CHLOR 500 PPB ICV STD	PP24759	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24747 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
533	TOX 750 PPB STD	PP24760	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.25000ml of E3956 + 0.75000ml of PP24748 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
534	TOX 500 PPB STD	PP24761	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.50000ml of E3956 + 0.50000ml of PP24748 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
535	TOX 250 PPB STD	PP24762	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.75000ml of E3956 + 0.25000ml of PP24748 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2217	TOX 100 PPB STD	PP24763	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.90000ml of E3956 + 0.10000ml of PP24748 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3670	TOX 500 PPB ICV std (RESTEK)	PP24764	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 07/24/2025

FROM 0.50000ml of PP24749 = Final Quantity: 1.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	12/04/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	09/19/2025	03/19/2025 / RUPESH	03/13/2025 / RUPESH	E3914

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
phenomenex	FS0006 / Cleanert SPE Silica, 1000 mg/6ml	Z0830QB1	04/18/2026	05/30/2025 / RUPESH	03/13/2025 / RUPESH	E3927

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/22/2025	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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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	06/20/2025 / RUPESH	05/14/2025 / RUPESH	E3944

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3949

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3950

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3956

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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.	A0197993	01/21/2026	07/21/2025 / Abdul	07/03/2023 / Abdul	P12604

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	01/21/2026	07/21/2025 / Abdul	07/03/2023 / Abdul	P12610

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0193299	09/09/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12611

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13037

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	01/21/2026	07/21/2025 / Abdul	12/26/2023 / Abdul	P13038

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13040

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	07/21/2026	07/21/2025 / Abdul	12/26/2023 / Abdul	P13041

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	042022	09/10/2025	03/10/2025 / Abdul	01/17/2024 / Abdul	P13195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	042022	01/21/2026	07/21/2025 / Abdul	01/17/2024 / Abdul	P13196

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	12/17/2025	06/17/2025 / Abdul	02/09/2024 / Abdul	P13246

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

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

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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	01/21/2026	07/21/2025 / Abdul	05/03/2024 / Ankita	P13774

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	09/10/2025	03/10/2025 / Abdul	11/19/2024 / Ankita	P13785

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	12/24/2025	06/24/2025 / Abdul	11/19/2024 / Ankita	P13786

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	01/21/2026	07/21/2025 / Abdul	11/19/2024 / Ankita	P13788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0210240	09/10/2025	03/10/2025 / Abdul	12/09/2024 / Abdul	P13861

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0210240	01/21/2026	07/21/2025 / Abdul	12/09/2024 / Abdul	P13862

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	112018	09/10/2025	03/10/2025 / Abdul	11/01/2019 / Stephen	P9052

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	112018	01/21/2026	07/21/2025 / Abdul	11/01/2019 / Stephen	P9053

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RI 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

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Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A

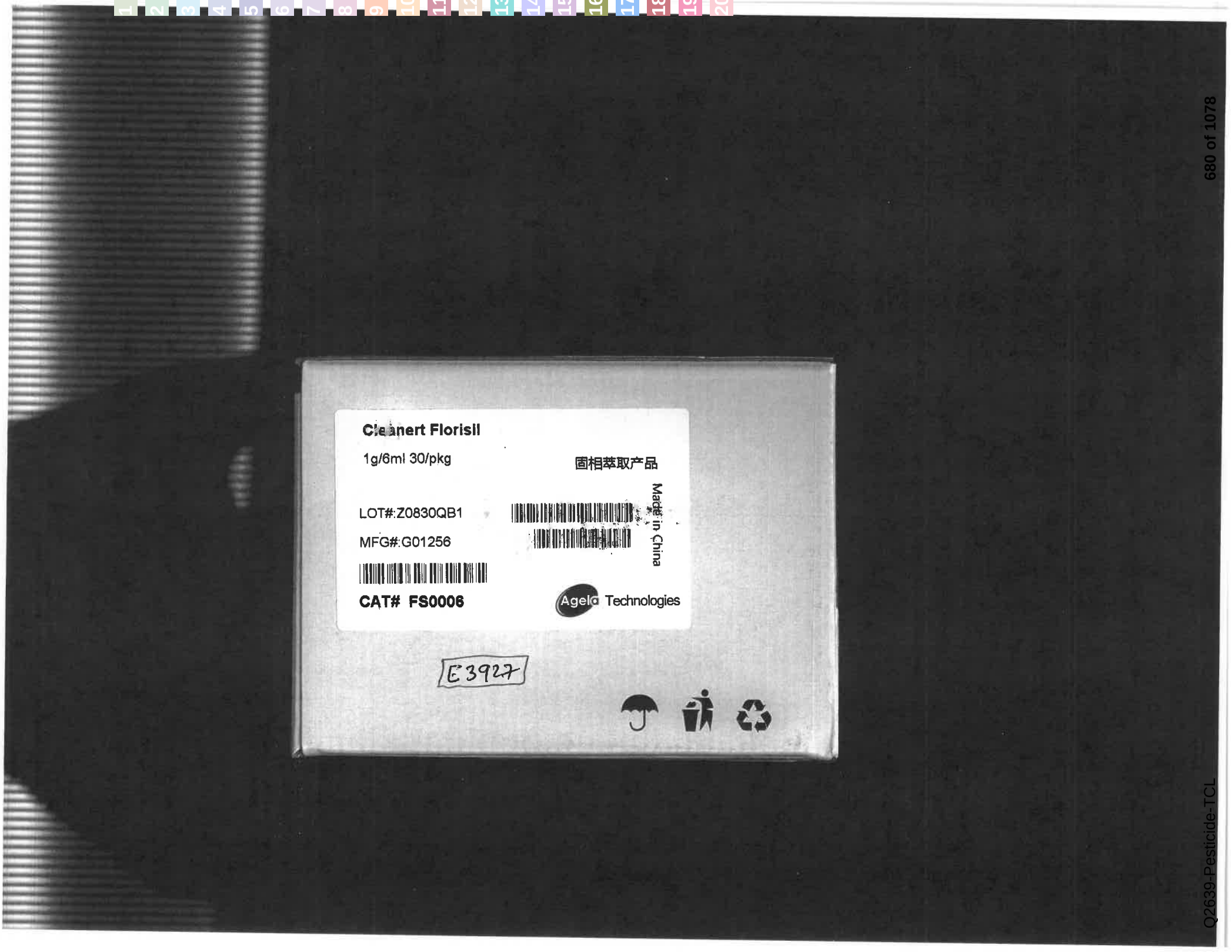
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RS on 3/14/25

E3914

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.



Q2639-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

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Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Harout Sahagian - Quality Control Manager - Fair Lawn

Recd. by RI on 6/11/25

E3941

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3944

J Croak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Read on 7/2/25

E3949

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

3950

Read on 7/02/25

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

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

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Fax: 1-814-353-1309

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Certificate of Analysis

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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.

P12614 & P12615 Five

7/3/2023

Catalog No. : 32021 **Lot No.:** A0193299

Description : Chlordane Standard

Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2029 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,010.0 µg/mL	+/- 56.0475

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:
CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

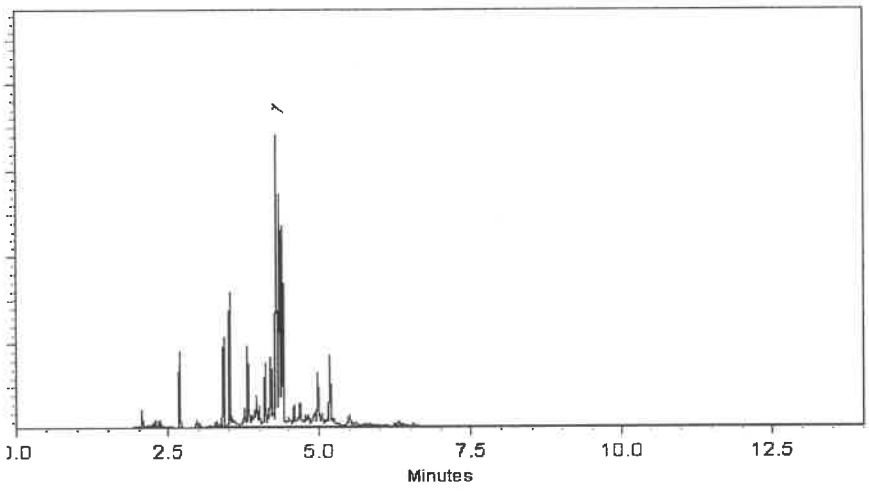
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P12691 ↓ P12695

7/3/2023

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P130397 } 5
↓
P130437

Catalog No. : 32291 **Lot No.:** A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P 13039 5
↓
P 13043 1
12/26/23

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

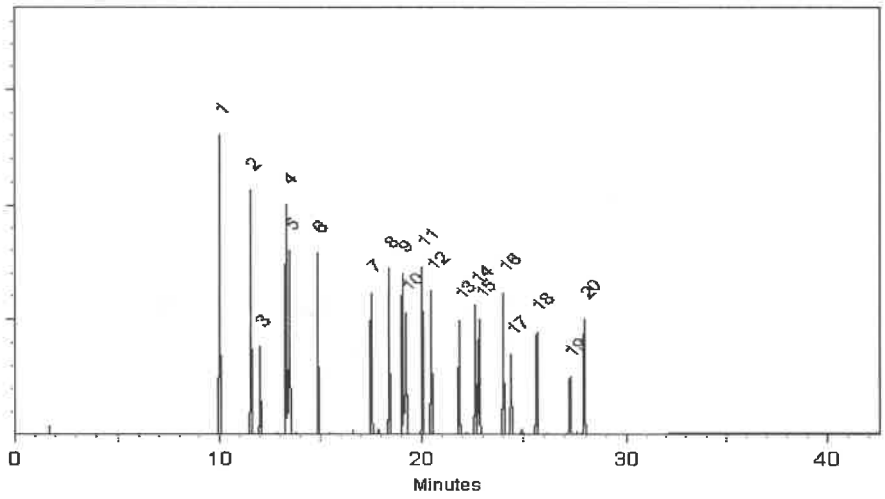
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



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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

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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.

P130397 } 5
↓
P130431

Catalog No. : 32291 **Lot No.:** A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P 13039 5
↓
P 13043 1
12/26/23

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

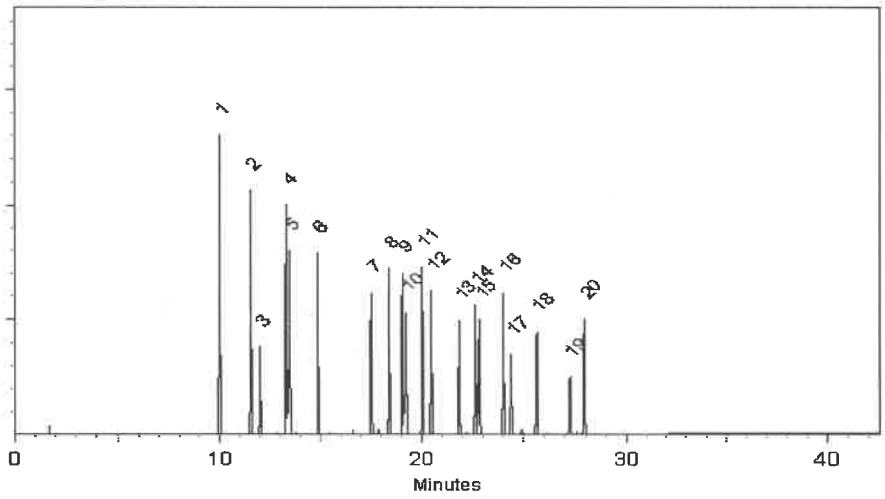
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 79136
Lot Number: 042022
Description: Mirex

Solvent(s): Acetone **Lot#** 81025

Expiration Date: 042027
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
0.006 Flask Uncertainty

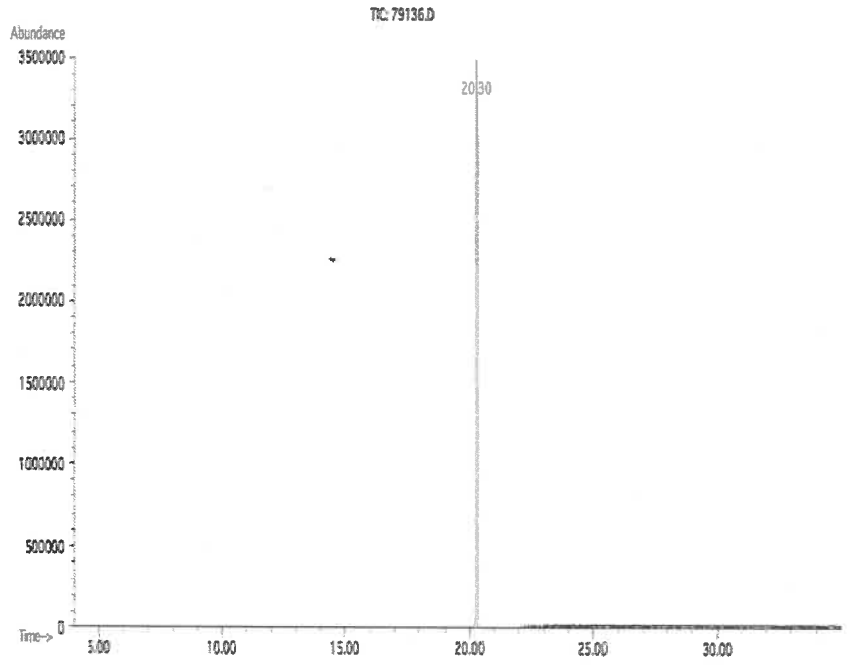
Weight(s) shown below were combined and diluted to (mL): 50.0

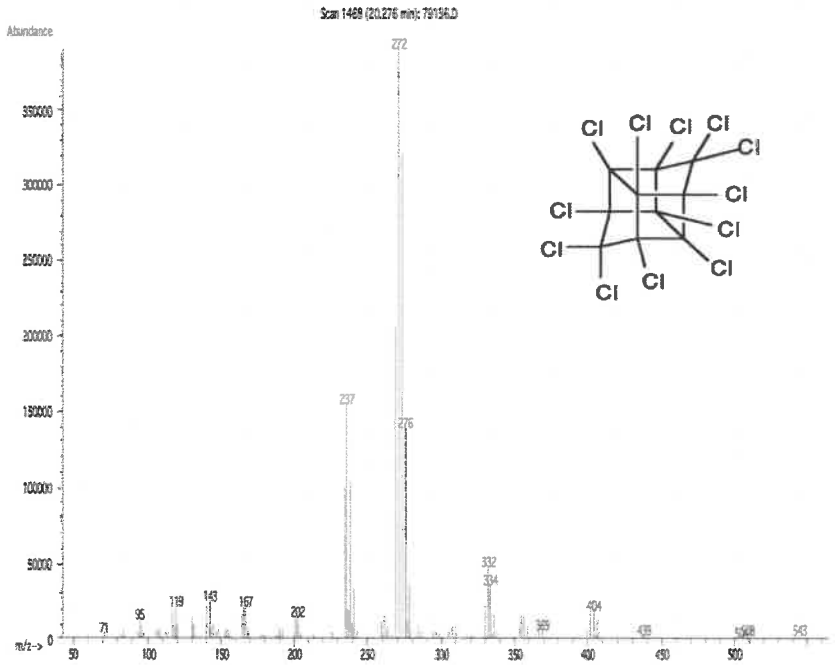
Formulated By: Prashant Chauhan 042022 DATE

Reviewed By: Pedro L. Rentas 042022 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3	2385-85-5	N/A	orl-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.





P13195
↓
P13199
↓
(5)
|

01/17/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 79136
Lot Number: 042022
Description: Mirex

Solvent(s): Acetone **Lot#** 81025

Expiration Date: 042027
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

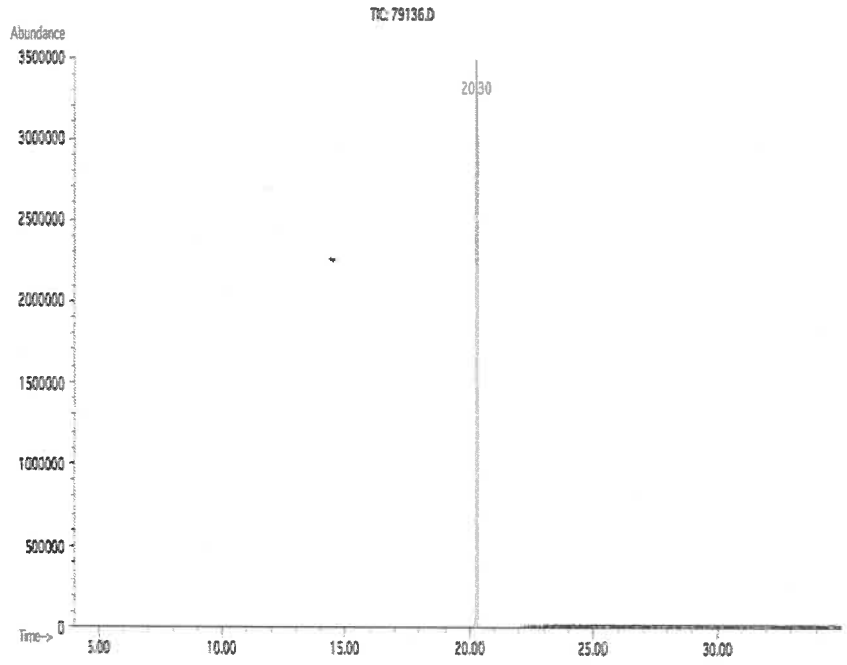
5E-05 Balance Uncertainty
0.006 Flask Uncertainty

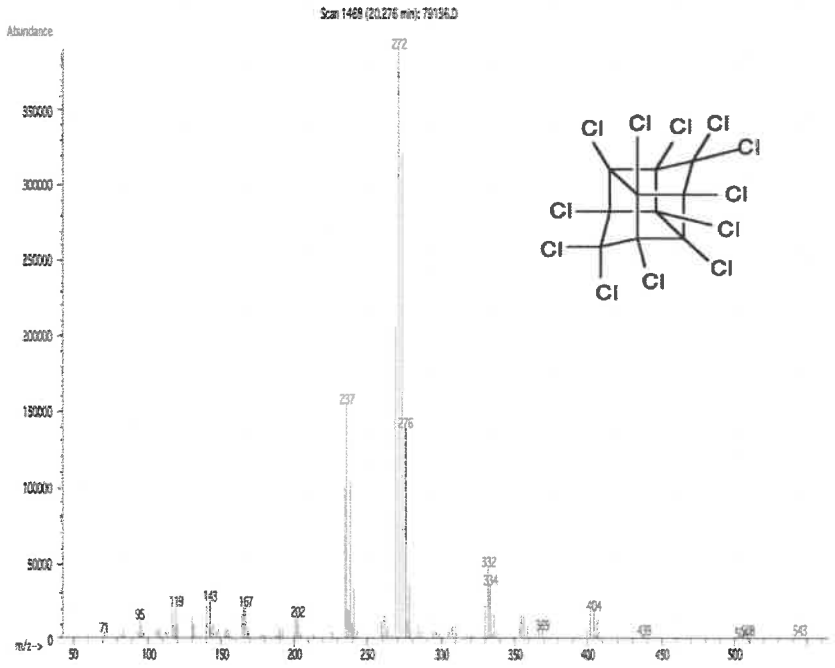
Weight(s) shown below were combined and diluted to (mL): 50.0

Prashant Chauhan	042022
Formulated By: Prashant Chauhan	DATE
Pedro L. Rentas	042022
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3	2385-85-5	N/A	orl-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.





P13195
↓
P13199
↓
(5)
|
01/17/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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chromatographic plus

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12603 (3)
↓
P12605

7/3/2023

Catalog No. : 32021 **Lot No.:** A0197993

Description : Chlordane Standard

Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:
CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

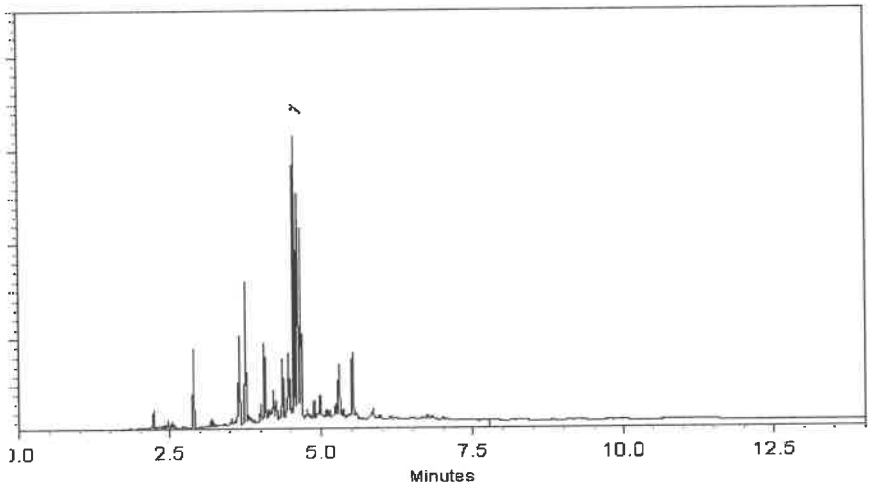
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 11-May-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P 12603 & P 12605 (3)

7/3/2023

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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P12603 (3)
↓
P12605
7/3/2023

Catalog No. : 32021 **Lot No.:** A0197993

Description : Chlordane Standard

Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:
CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

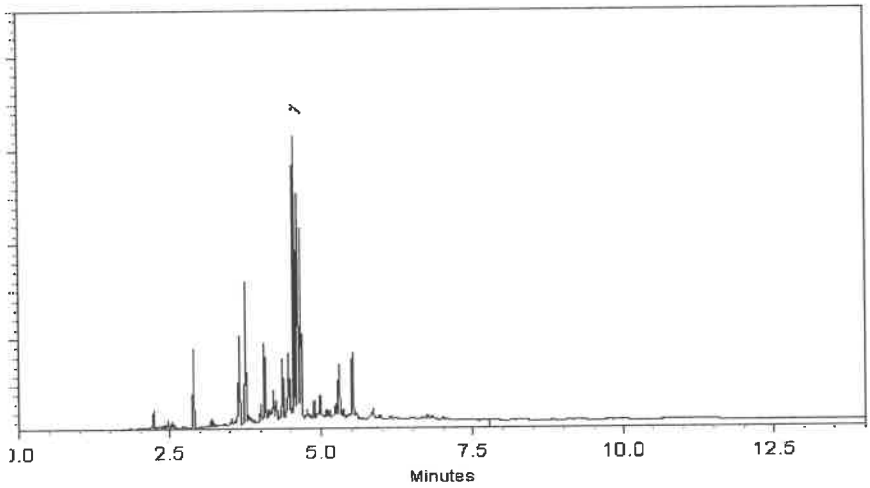
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 11-May-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P 12603 & P 12605 (3)

7/3/2023

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P 12606 → P 12610 (5 Five)

7/3/2023

Catalog No. : 32021 **Lot No.:** A0197993

Description : Chlordane Standard

Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:
CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

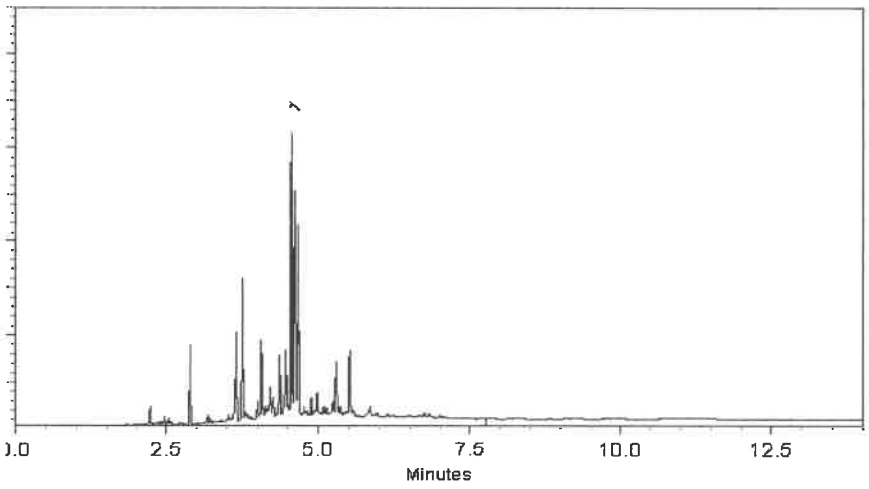
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 11-May-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P 12606 → P 12610

7/3/2023

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P 13034 } 5
P 13038 }

12.26.2023

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4	µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5	µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9	µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9	µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034) 5
↓
P13038 1

12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

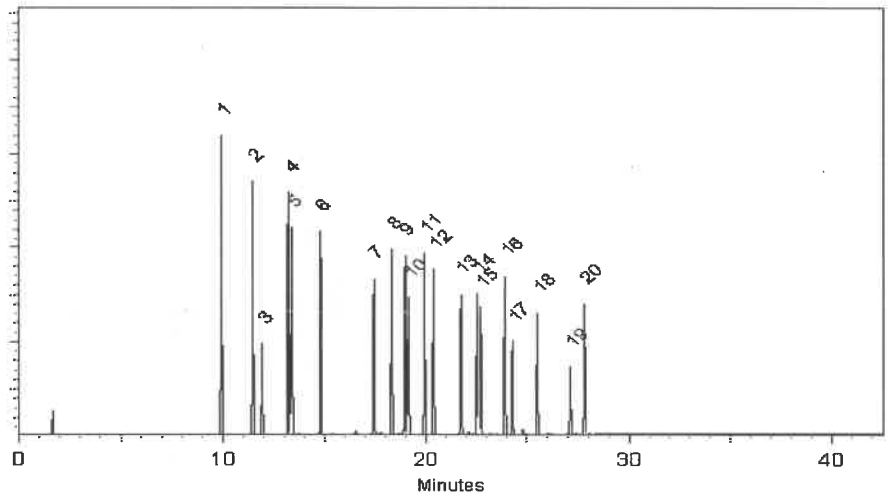
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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P 13034 } 5
P 13038 }

12.26.2023

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4	µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5	µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9	µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9	µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034) 5
↓
P13038 1

12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

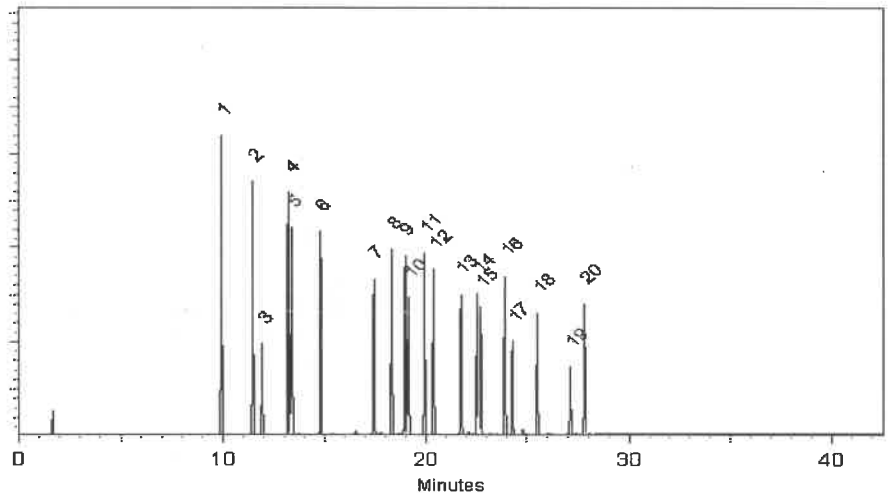
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 19161
Lot Number: 013124
Description: CLP Pesticides & PCB's Resolution Check Standard
9 components

Solvent(s):	Lot#	
Hexane	273615	(50%)
Toluene	28508	(50%)

Expiration Date: 013129
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Volume(s) shown below were combined and diluted to (mL): 100.0 ± 0.021 Flask Uncertainty

5E-05 Balance Uncertainty

Formulated By:	Lawrence Barry	013124 DATE
Reviewed By:	Pedro L. Rentas	013124 DATE

	Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	orl-rat 500mg/kg
2.	Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	orl-rat 18mg/kg
3.	4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	orl-rat 880mg/kg
4.	Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	orl-rat 38300ug/kg
5.	Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	orl-rat 18mg/kg
6.	Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7.	4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	orl-rat 6000mg/kg
8.	2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9.	Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

P13243 & P13247 (5)

02/9/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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Certificate of Analysis

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13348 (10)
↓
P13357

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

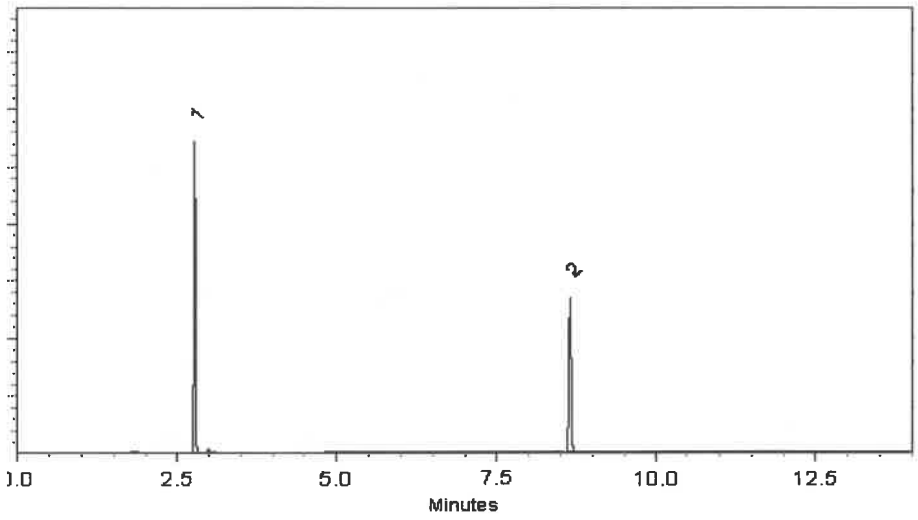
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13348 (10)
↓
P13357
04/25/2025

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P13402 & P13406 (5)

5/22/2021

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

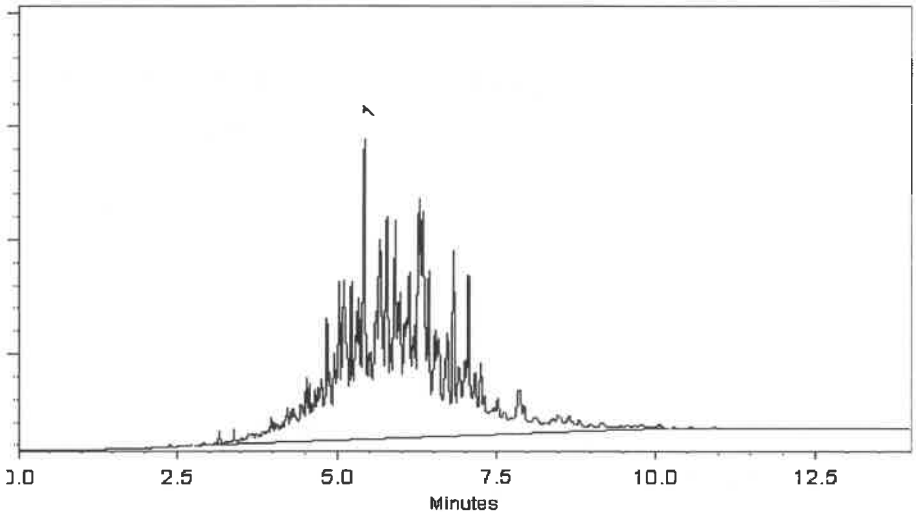
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I **Date Mixed:** 10-Oct-2023 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 16-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13402 ↓ P13406 (5)

5/22/2024

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

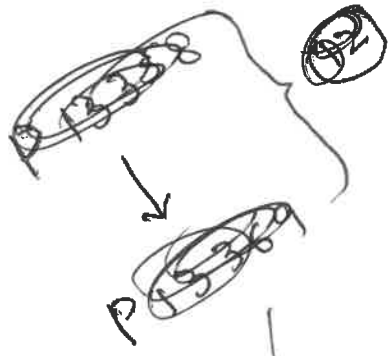
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%



P13773
↓
P13779
AT
11/19/24

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

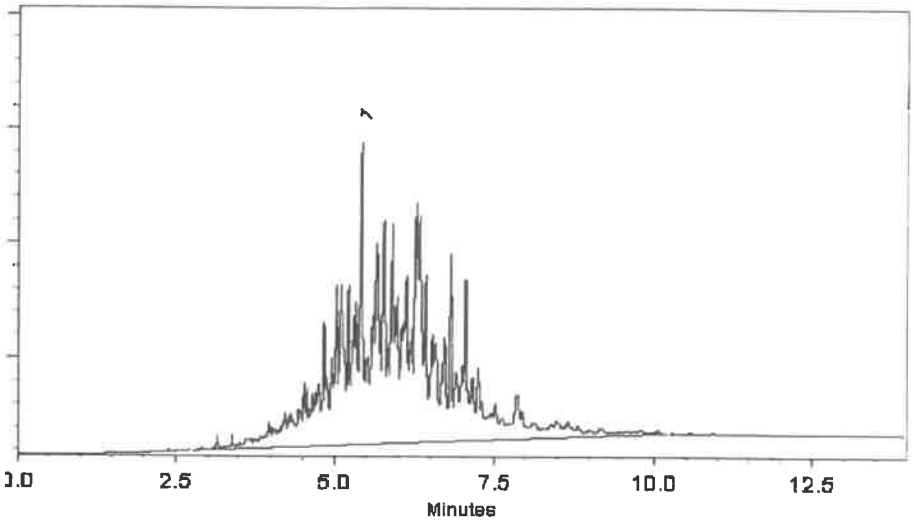
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I **Date Mixed:** 10-Oct-2023 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 16-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13380 (2)
P13380
P13773
↓
P13779
AJ
11/19/24
05-

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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.

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.)

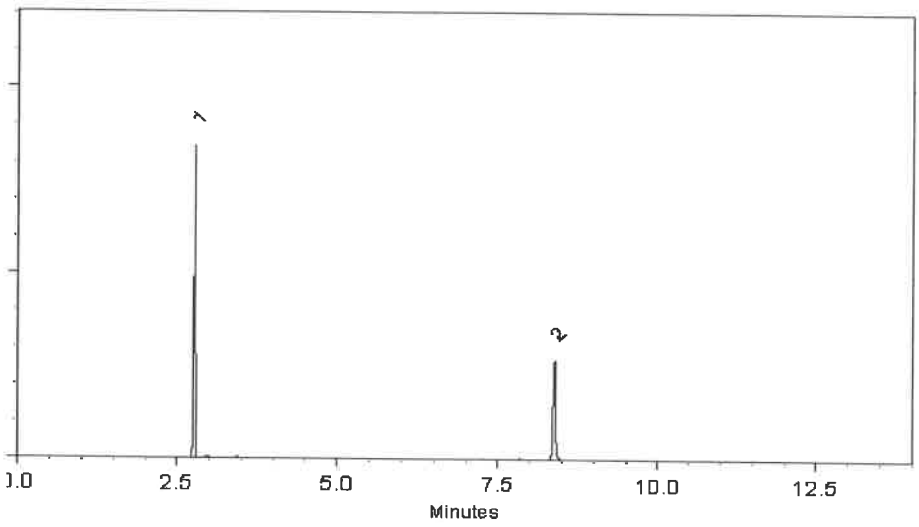
Inj. Temp:
250°C

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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13785 ↓ P13789 AJ 11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

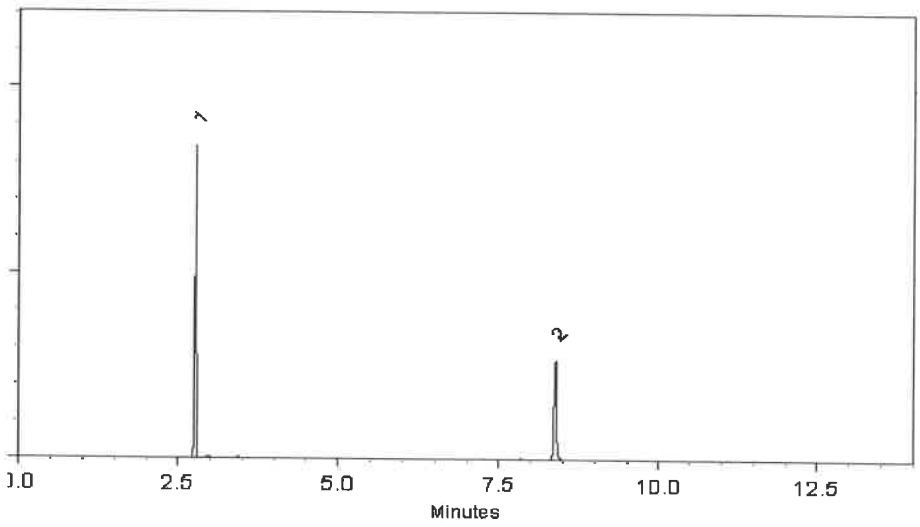
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13785 ↓ P13789 AJ 11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

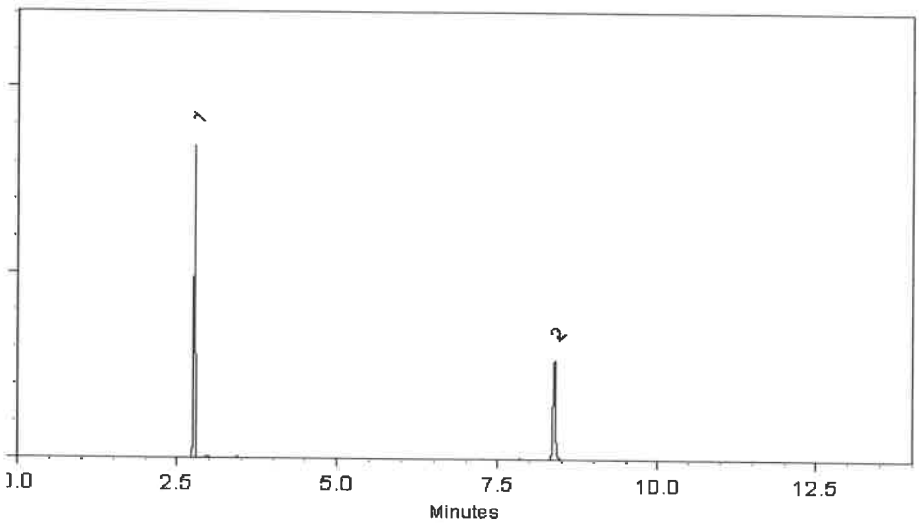
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** 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.)

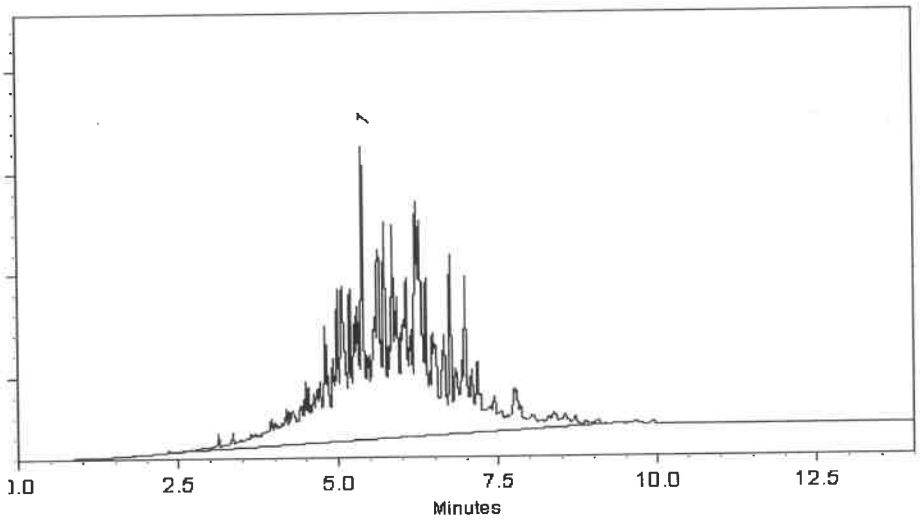
Inj. Temp:
250°C

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

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CERTIFIED REFERENCE MATERIAL

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0210240

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13861
P13862 (2)

12/9/2024

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

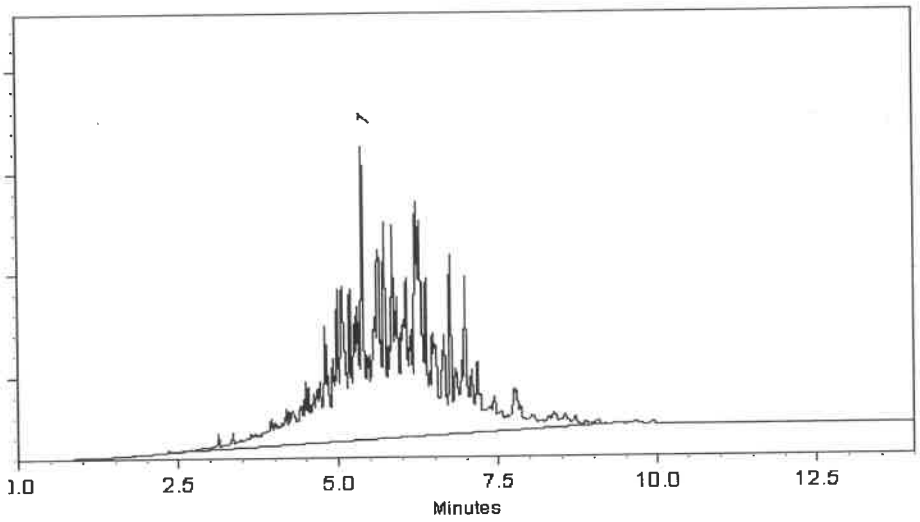
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



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

Solvent(s):	Lot#
Methylene chloride	102669

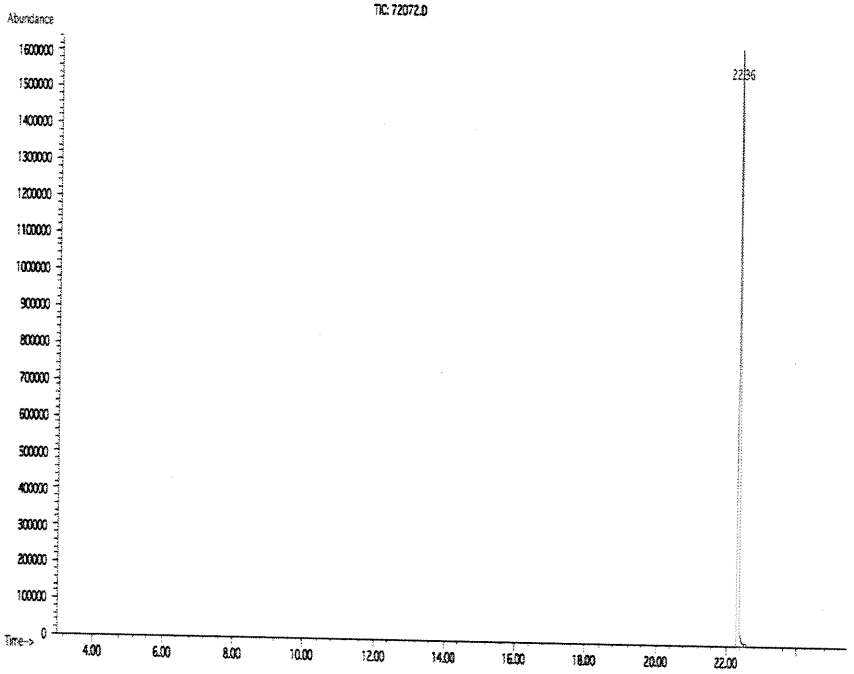
Received by SG on 11/1/19
P9044 - P9053

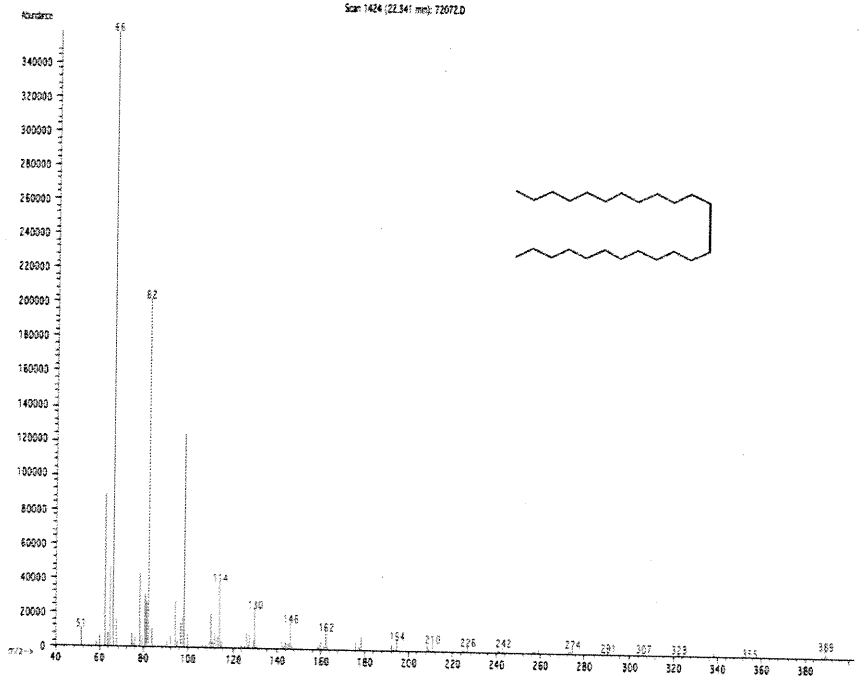
Weight(s) shown below were combined and diluted to (mL): 200.0 | 5E-05 Balance Uncertainty | 0.058 Flask Uncertainty

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.





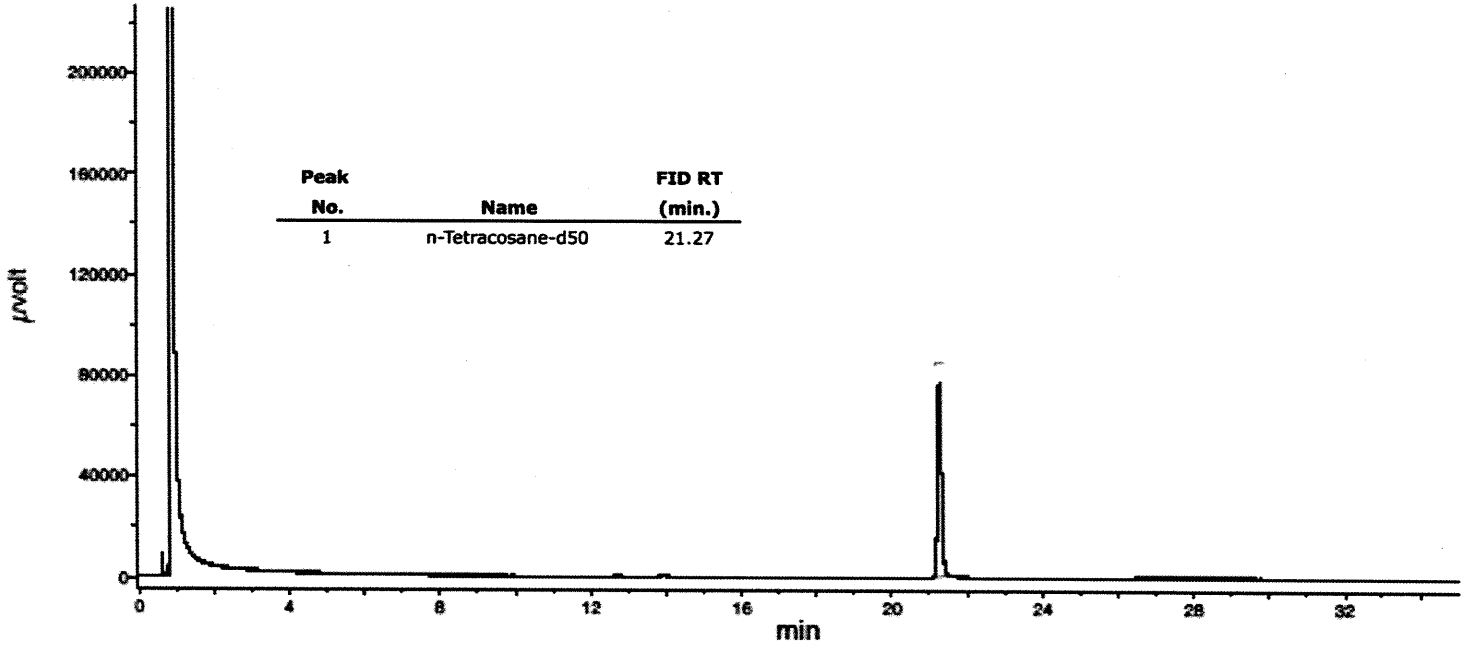
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, 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

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www.absolutestandards.com

Certified Reference Material CRM

ISO 17034 Accredit
Scopes: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

Part Number: 72072
Lot Number: 112018
Description: n-Tetracosane-d50

Expiration Date: 112028
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 2684186
Weight(s) shown below were combined and diluted to (mL): 200.0

Solvent(s):	Lot#
Methylene chloride	102669

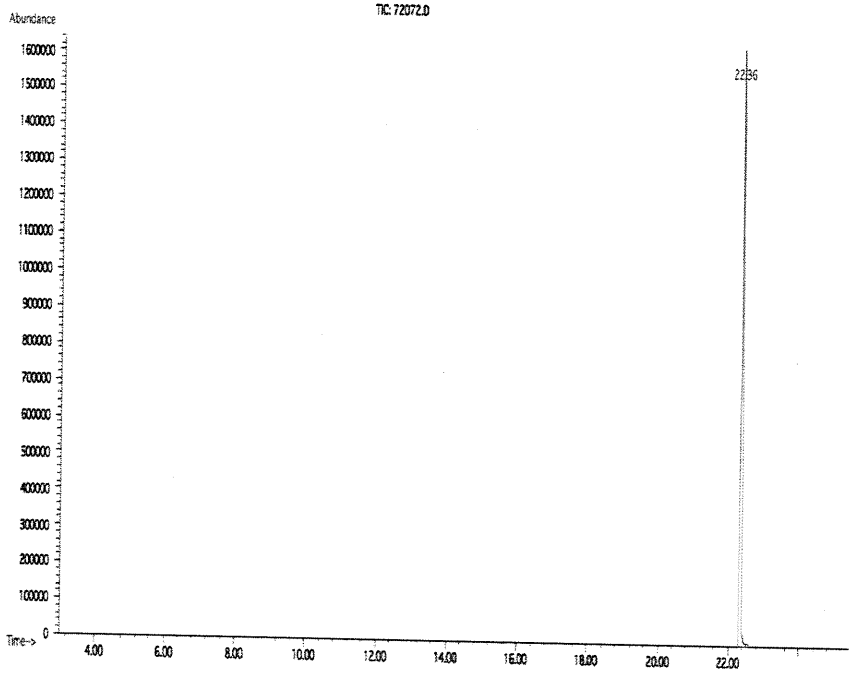
Received by SG on 11/1/19
P9044 - P9053

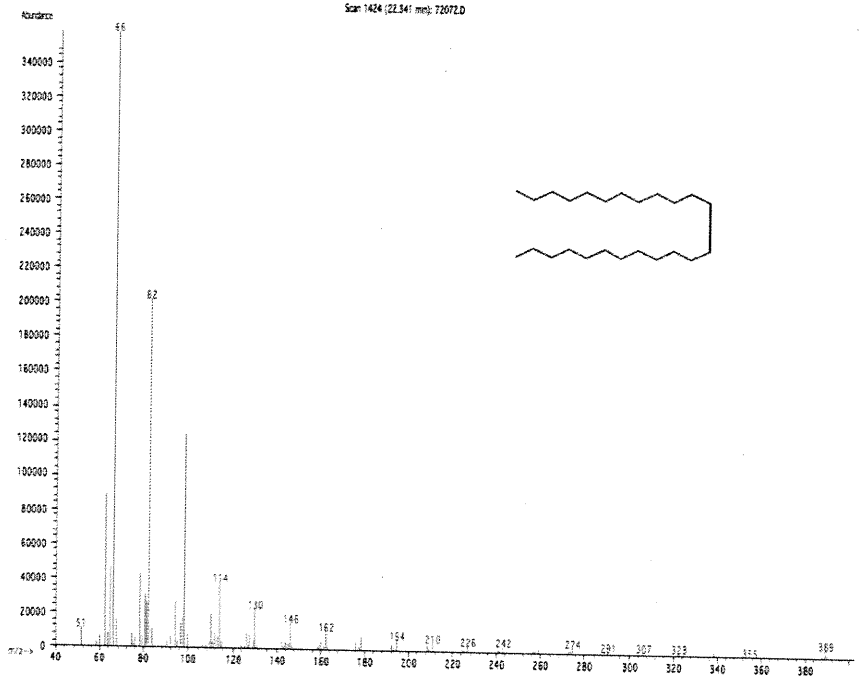
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Prashant Chauhan	112018 DATE
Reviewed By:	Pedro Rentas	112018 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	16416-32-3	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.





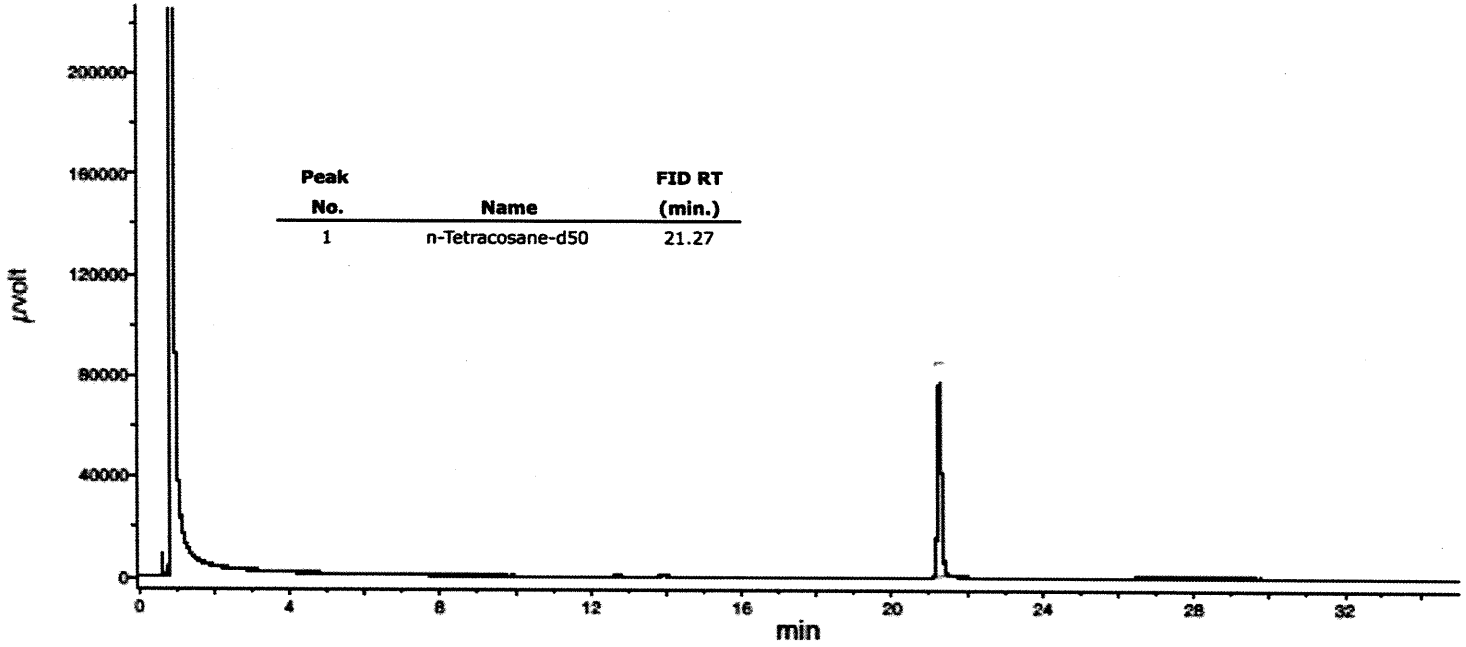
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.
Created: Thu, Nov 22, 2018 at 7:23:18 AM.
Sampled: Sequence "112018-GC4M1", Method "GC4-M1".
Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5um Film Thickness
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) =360 mL
Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.
Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 uL, Range = 3



Peak No.	Name	FID RT (min.)
1	n-Tetracosane-d50	21.27

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

W3147
W3147 update. 02/03/2025 JP

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

SHIPPING DOCUMENTS

Q 2639

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

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-38-071725	7/17/25	11:40	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-39-071725	7/17/25	11:50	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-40-071725	7/17/25	12:00	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-41-071725	7/17/25	12:10	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-42-071725	7/17/25	12:20	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-43-071725	7/17/25	12:30	G	SO		3	2					X	X	X	X	X	X	X	X	X
	OU4-TS-44-071725	7/17/25	12:40	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
Received by: (signature)	Date/Time: 7/18/25 0855
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments: 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 : Q2639 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 7/18/2025 10:22:00 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
Q2639-01	OU4-TS-38-071725	Solid	07/17/2025	11:40					
					VOCMS Group3		8260D		10 Bus. Days
Q2639-03	OU4-TS-39-071725	Solid	07/17/2025	11:50					
					VOCMS Group3		8260D		10 Bus. Days
Q2639-05	OU4-TS-40-071725	Solid	07/17/2025	12:00					
					VOCMS Group3		8260D		10 Bus. Days
Q2639-07	OU4-TS-41-071725	Solid	07/17/2025	12:10					
					VOCMS Group3		8260D		10 Bus. Days
Q2639-09	OU4-TS-42-071725	Solid	07/17/2025	12:20					
					VOCMS Group3		8260D		10 Bus. Days
Q2639-11	OU4-TS-43-071725	Solid	07/17/2025	12:30					
					VOCMS Group3		8260D		10 Bus. Days
Q2639-13	OU4-TS-44-071725	Solid	07/17/2025	12:40					
					VOCMS Group3		8260D		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2639 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 7/18/2025 10:22:00 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

Relinguished By : AV
Date / Time : 7/18/25 1100

Received By : Sam
Date / Time : 07/18/25 11:00

Rq #6 of 22

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089538.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:22
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 04:41:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.879	53372260	373.1E6	18.523	19.067	
28)	SA Decachlor...	9.072	8.069	81289525	481.5E6	19.793	19.598	
	Target Compounds							
2)	A alpha-BHC	3.997	3.391	50475537	317.2E6	8.840	10.558	
3)	MA gamma-BHC...	4.328	3.727	50605463	283.2E6	9.172	10.200	
4)	MA Heptachlor	0.000	4.079	0	2072391	N.D.	0.074	#
5)	MB Aldrin	0.000	4.361	0	1387229	N.D.	0.051	#
6)	B beta-BHC	4.514	4.023	20992727	125.0E6	9.736	10.504	
8)	B Heptachlo...	5.682	4.873	2092567	1365749	0.443	0.055	#
9)	A Endosulfan I	0.000	5.227f	0	3119429	N.D.	0.131	#
10)	B gamma-Chl...	5.942	5.127	441851	10666540	0.093	0.399	#
11)	B alpha-Chl...	6.025	5.189	1583084	6110452	0.332	0.237	#
12)	B 4,4'-DDE	6.208	5.376	269690	3380765	0.063	0.129	#
13)	MA Dieldrin	0.000	5.505	0	1338638	N.D.	0.051	#
14)	MA Endrin	6.573	5.787	194.8E6	1134.7E6	47.840	46.923	
15)	B Endosulfa...	6.769	6.084	1242782	1093245	0.305	0.048	#
16)	A 4,4'-DDD	6.703	5.931	1269926	7637803	0.375	0.348	
17)	MA 4,4'-DDT	7.020	6.181	359.2E6	2130.6E6	95.199	91.024	
18)	B Endrin al...	6.919	6.254	594479	9624267	0.204	0.580	#
19)	B Endosulfa...	0.000	6.477	0	162455	N.D.	0.007	#
20)	A Methoxychlor	7.492	6.751	440.3E6	2299.8E6	219.619	188.633	
21)	B Endrin ke...	7.629	6.988	-90683	9040078	N.D.	0.369	
22)	Mirex	0.000	7.174	0	3755382	N.D.	0.194	#
23)	Chlordane-1	0.000	3.901	0	908164	N.D.	0.978	#
24)	Chlordane-2	0.000	4.484	0	3771235	N.D.	3.847	#
25)	Chlordane-3	5.942	5.127	441851	10666540	0.567	3.695	#
26)	Chlordane-4	6.025	5.189	1583084	6110452	1.668	2.533	#
27)	Chlordane-5	6.870	6.084	254529	1093245	1.543	0.936	#

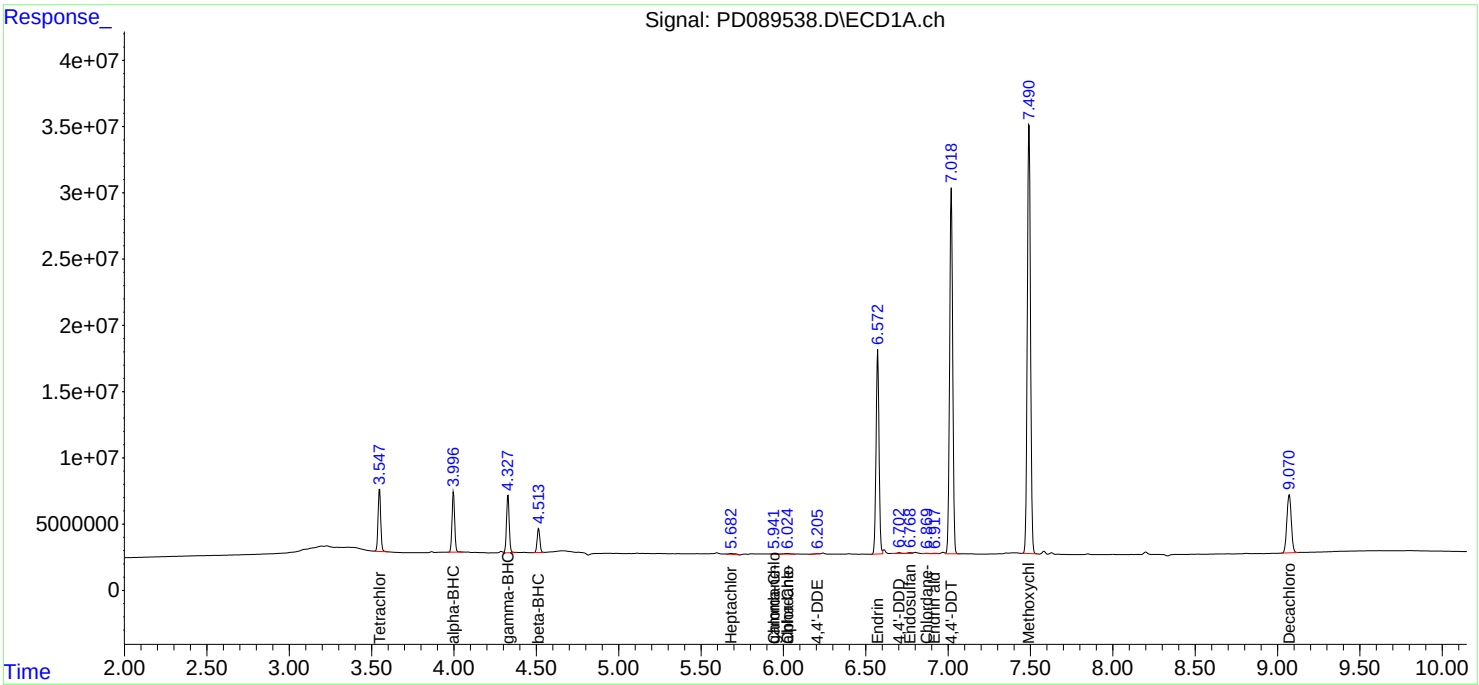
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

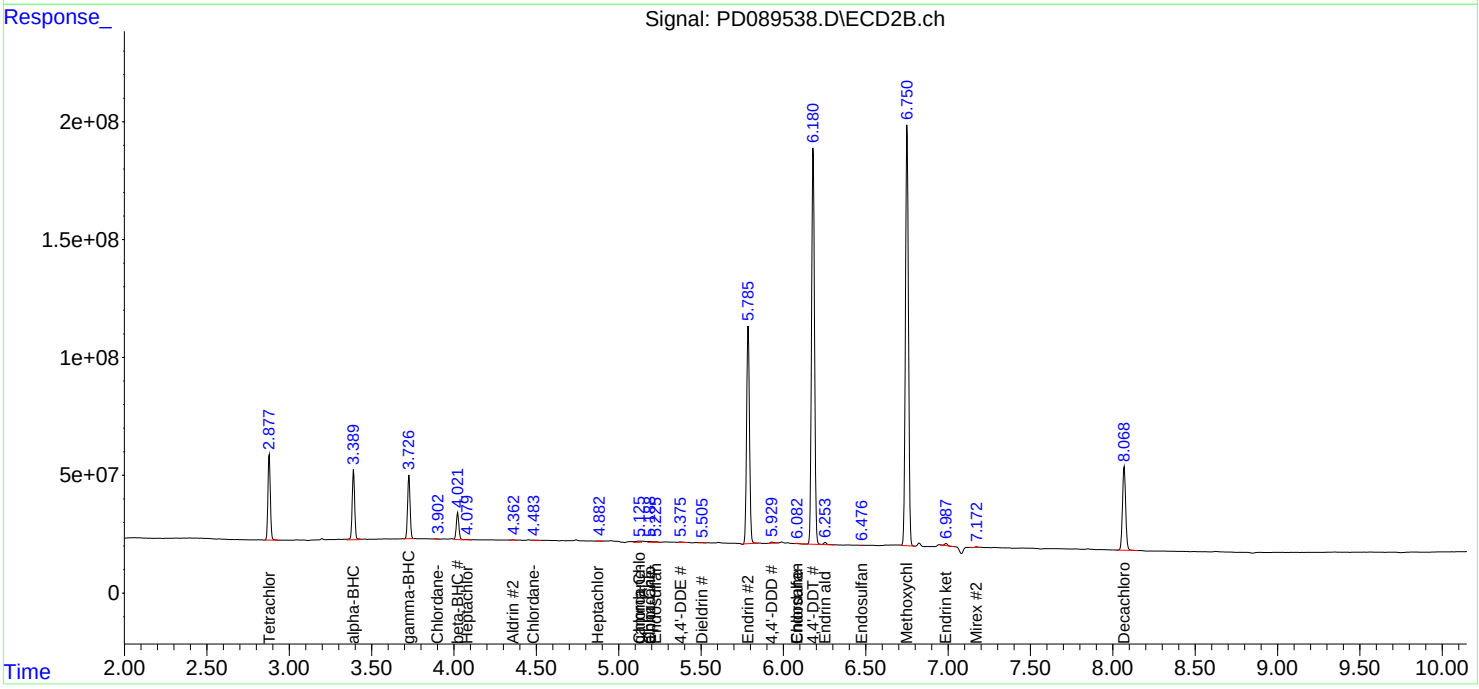
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072125\
Data File : PD089538.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:22
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

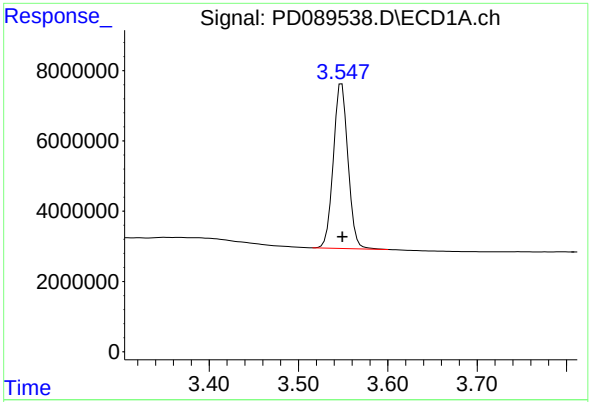
Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 22 04:41:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



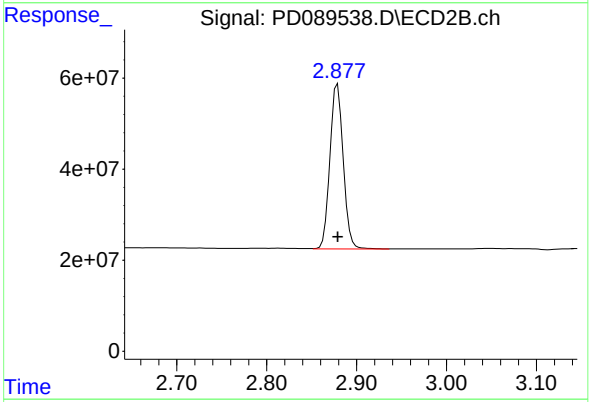




#1 Tetrachloro-m-xylene

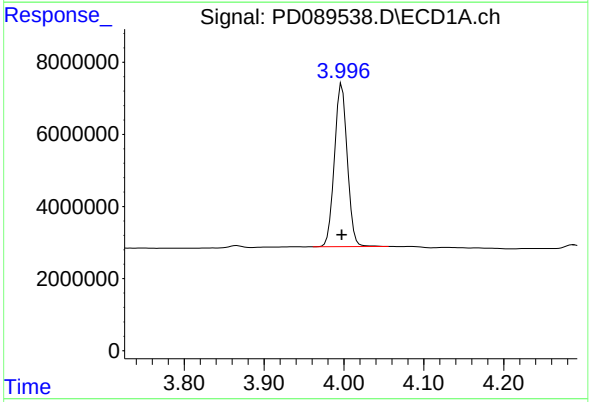
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 53372260
Conc: 18.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



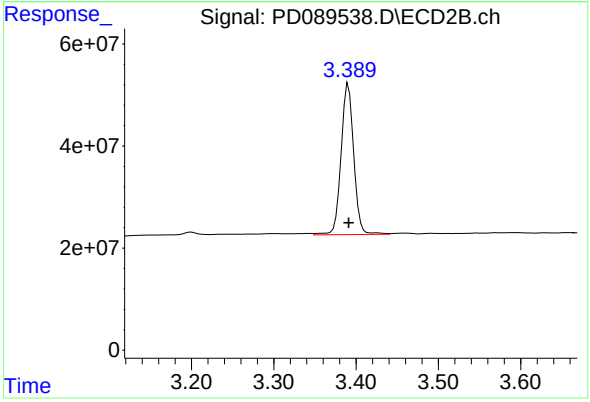
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 373059031
Conc: 19.07 ng/ml



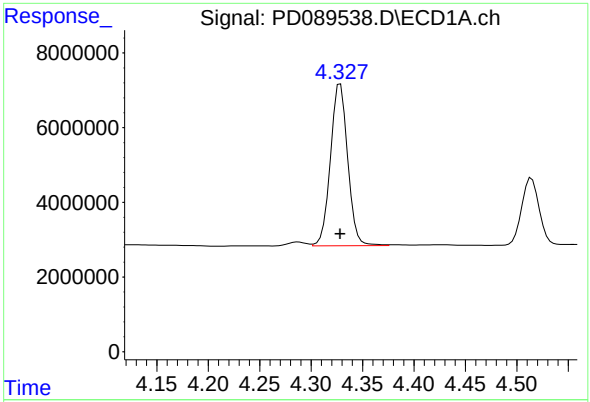
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 50475537
Conc: 8.84 ng/ml



#2 alpha-BHC

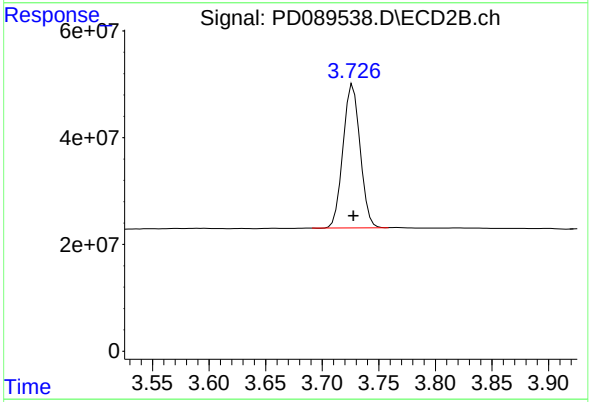
R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 317216915
Conc: 10.56 ng/ml



#3 gamma-BHC (Lindane)

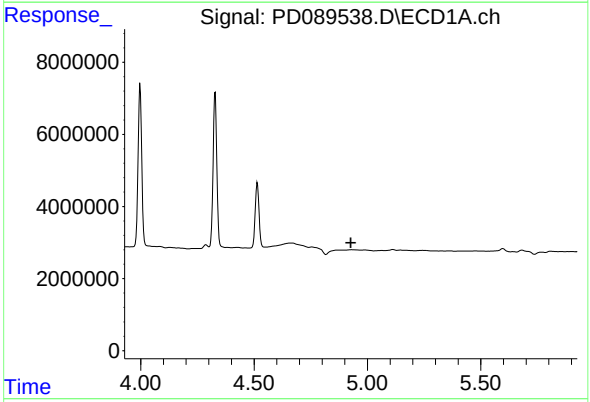
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 50605463
Conc: 9.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



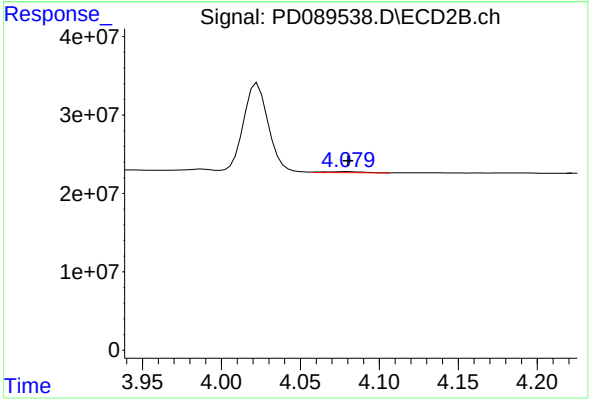
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 283168152
Conc: 10.20 ng/ml



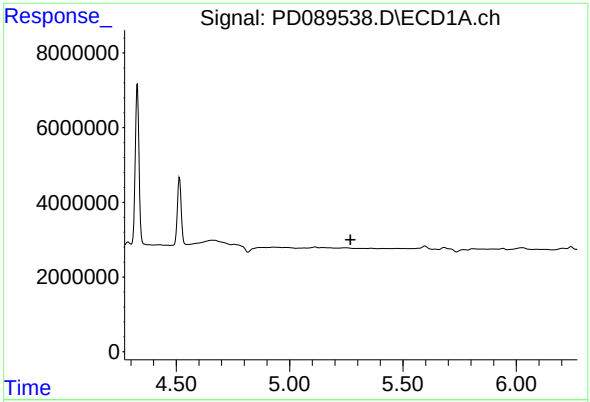
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.927 min
Response: 0
Conc: N.D.



#4 Heptachlor

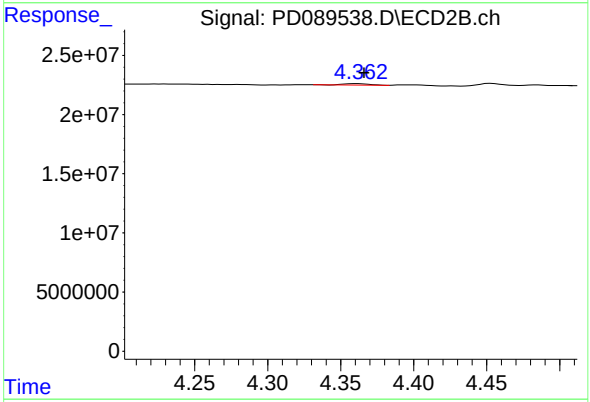
R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 2072391
Conc: 0.07 ng/ml



#5 Aldrin

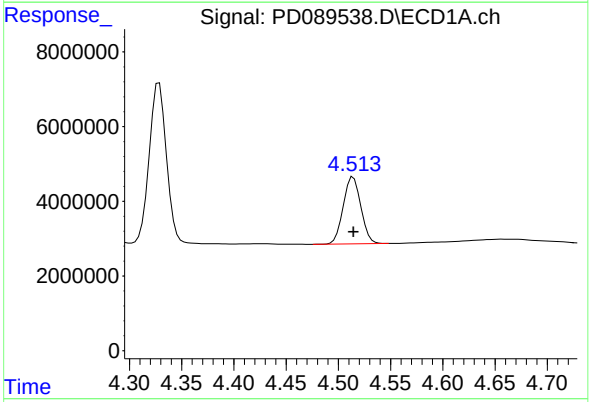
R.T.: 0.000 min
Exp R.T. : 5.269 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



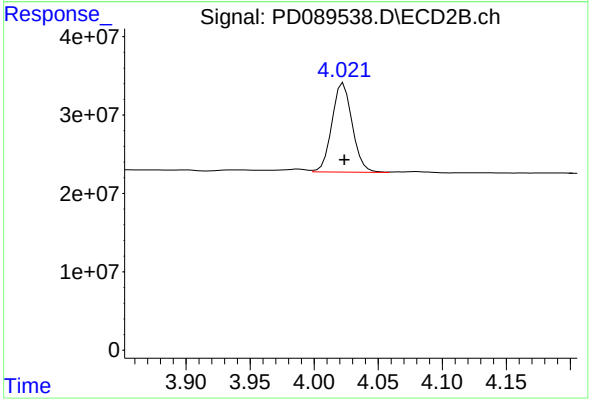
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: -0.005 min
Response: 1387229
Conc: 0.05 ng/ml



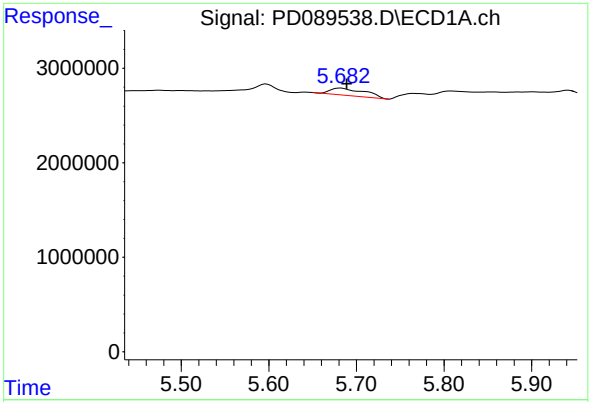
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 20992727
Conc: 9.74 ng/ml



#6 beta-BHC

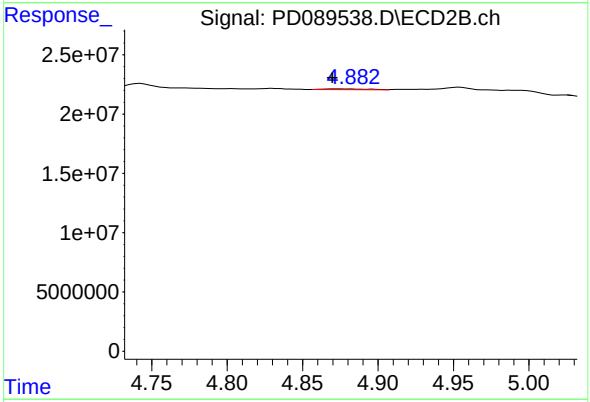
R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 125024215
Conc: 10.50 ng/ml



#8 Heptachlor epoxide

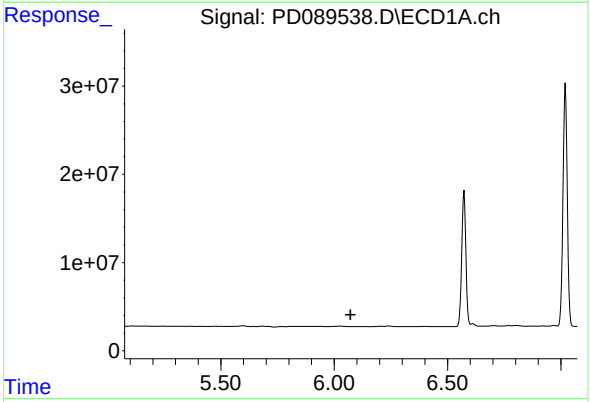
R.T.: 5.682 min
Delta R.T.: -0.007 min
Response: 2092567
Conc: 0.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



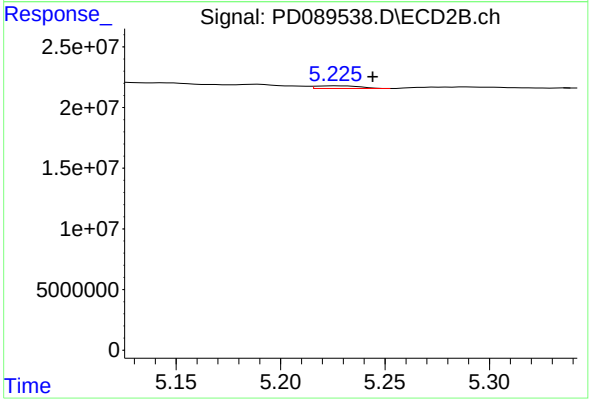
#8 Heptachlor epoxide

R.T.: 4.873 min
Delta R.T.: 0.004 min
Response: 1365749
Conc: 0.05 ng/ml



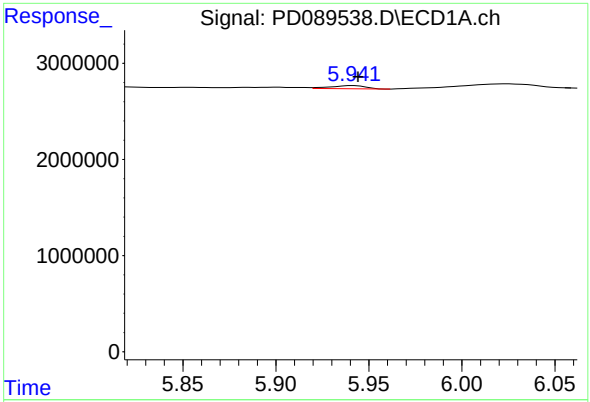
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T. : 6.073 min
Response: 0
Conc: N.D.



#9 Endosulfan I

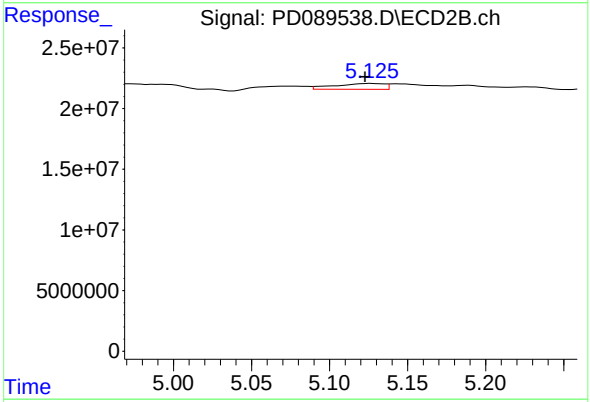
R.T.: 5.227 min
Delta R.T.: -0.018 min
Response: 3119429
Conc: 0.13 ng/ml



#10 gamma-Chlordane

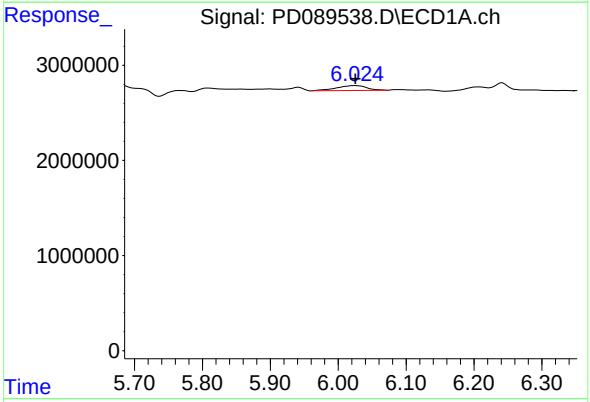
R.T.: 5.942 min
Delta R.T.: -0.002 min
Response: 441851
Conc: 0.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



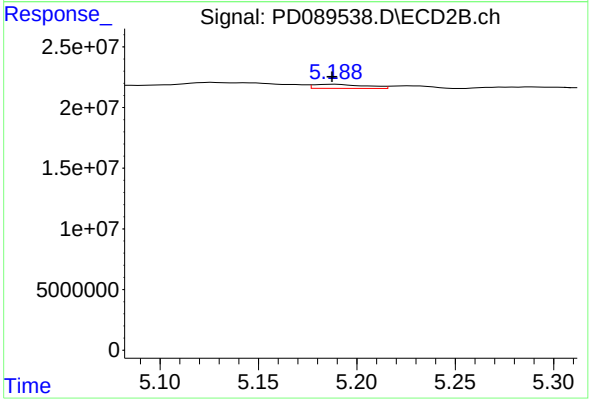
#10 gamma-Chlordane

R.T.: 5.127 min
Delta R.T.: 0.004 min
Response: 10666540
Conc: 0.40 ng/ml



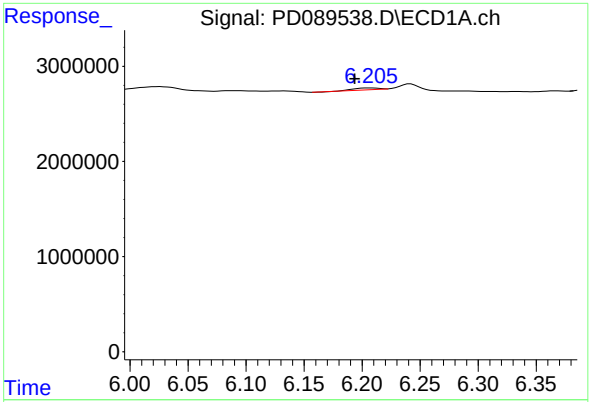
#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 1583084
Conc: 0.33 ng/ml



#11 alpha-Chlordane

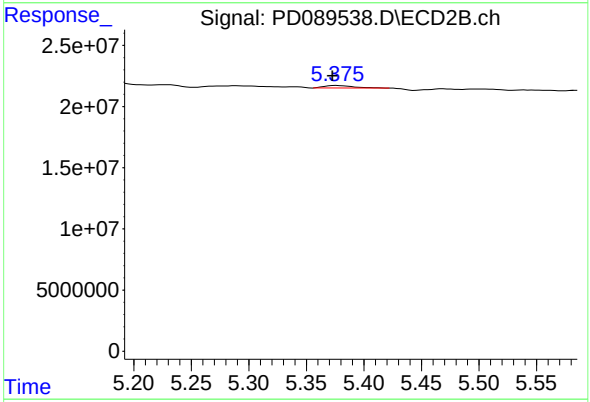
R.T.: 5.189 min
Delta R.T.: 0.002 min
Response: 6110452
Conc: 0.24 ng/ml



#12 4,4'-DDE

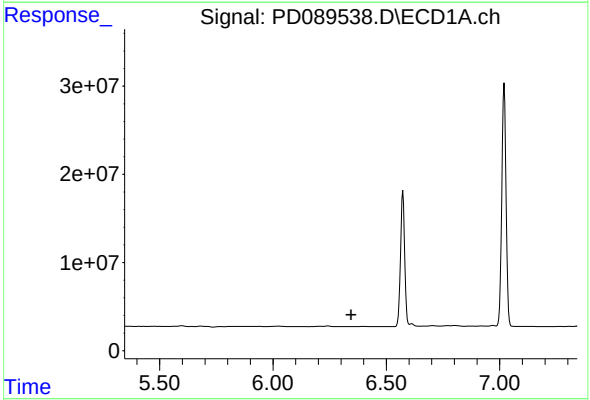
R.T.: 6.208 min
Delta R.T.: 0.014 min
Response: 269690
Conc: 0.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



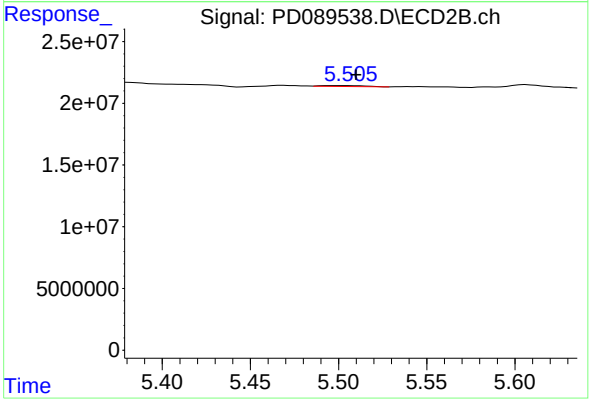
#12 4,4'-DDE

R.T.: 5.376 min
Delta R.T.: 0.003 min
Response: 3380765
Conc: 0.13 ng/ml



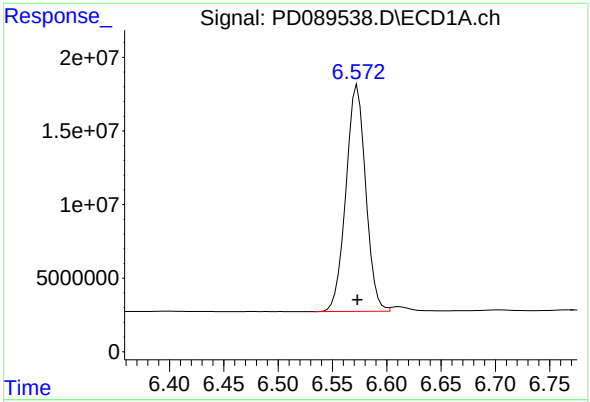
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.345 min
Response: 0
Conc: N.D.



#13 Dieldrin

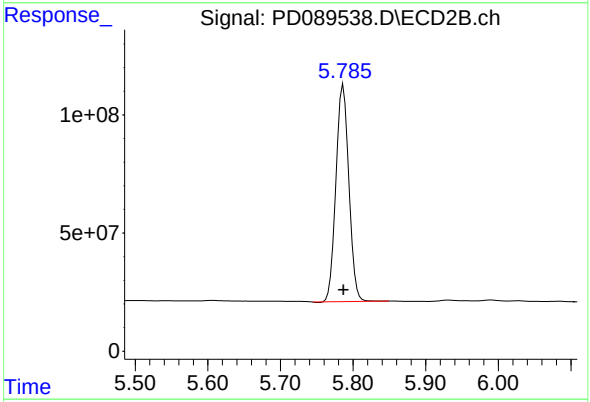
R.T.: 5.505 min
Delta R.T.: -0.005 min
Response: 1338638
Conc: 0.05 ng/ml



#14 Endrin

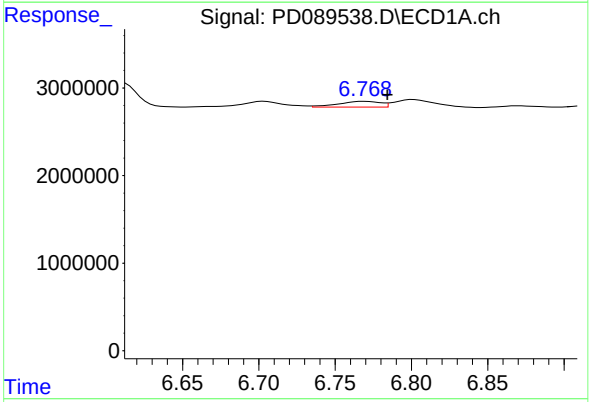
R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 194832322
Conc: 47.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



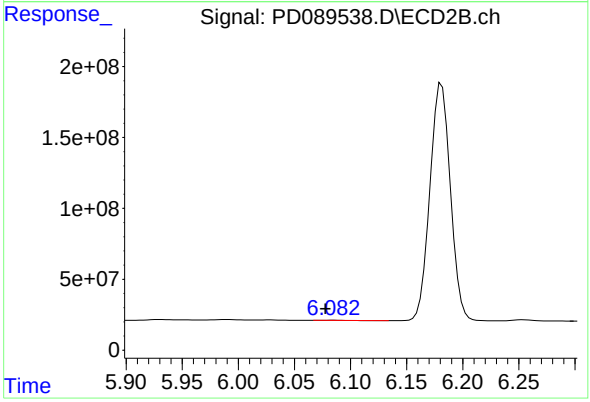
#14 Endrin

R.T.: 5.787 min
Delta R.T.: 0.000 min
Response: 1134667630
Conc: 46.92 ng/ml



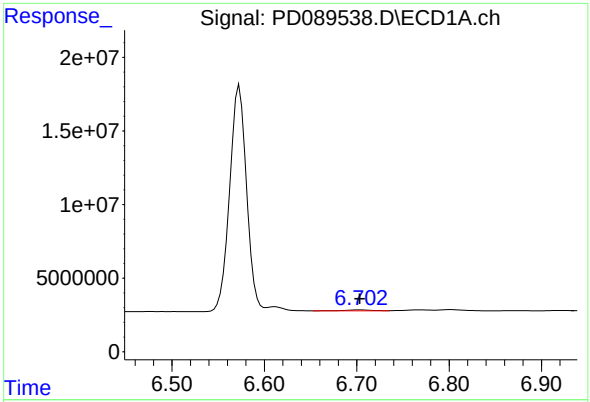
#15 Endosulfan II

R.T.: 6.769 min
Delta R.T.: -0.015 min
Response: 1242782
Conc: 0.31 ng/ml



#15 Endosulfan II

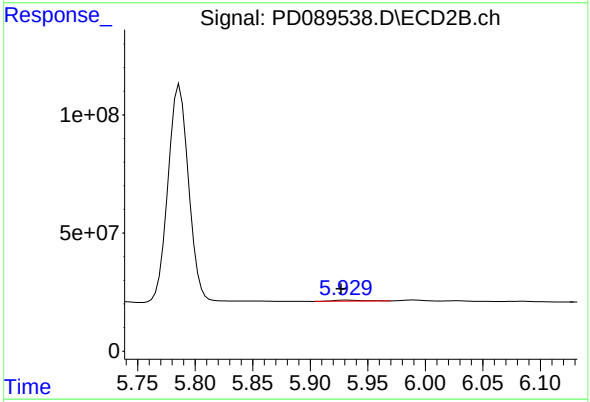
R.T.: 6.084 min
Delta R.T.: 0.006 min
Response: 1093245
Conc: 0.05 ng/ml



#16 4,4'-DDD

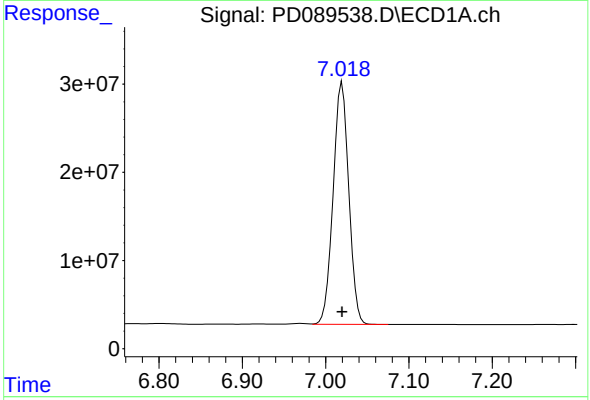
R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 1269926
Conc: 0.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



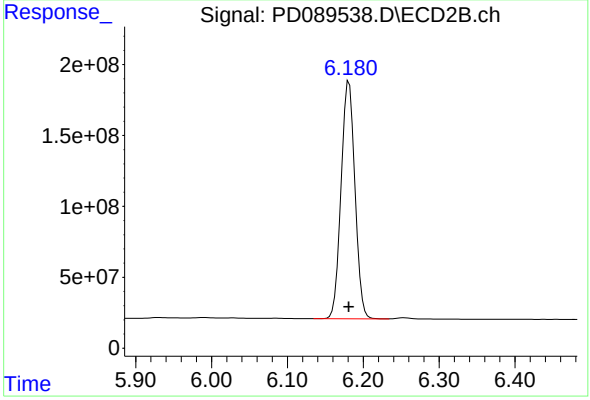
#16 4,4'-DDD

R.T.: 5.931 min
Delta R.T.: 0.004 min
Response: 7637803
Conc: 0.35 ng/ml



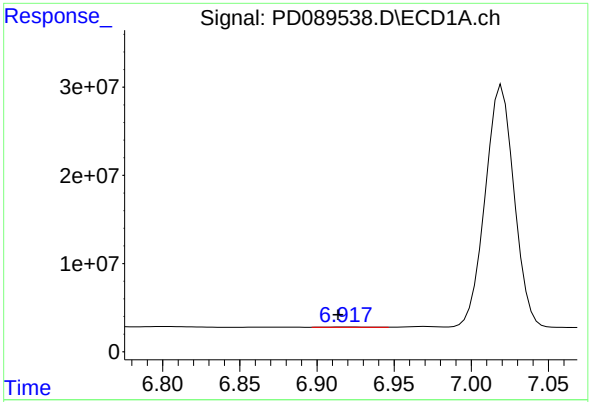
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 359179896
Conc: 95.20 ng/ml



#17 4,4'-DDT

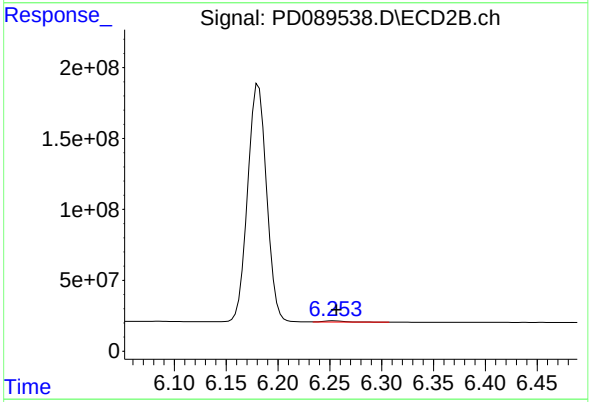
R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 2130603297
Conc: 91.02 ng/ml



#18 Endrin aldehyde

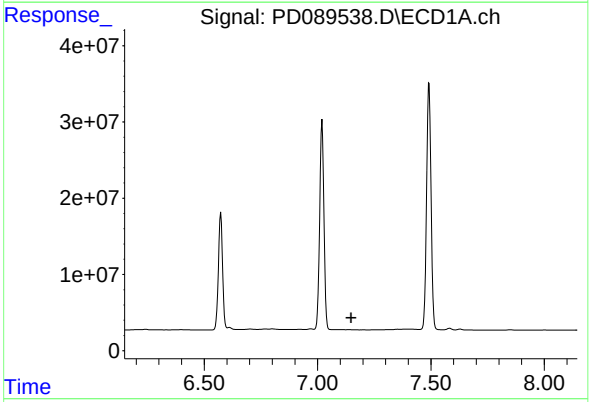
R.T.: 6.919 min
Delta R.T.: 0.005 min
Response: 594479
Conc: 0.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



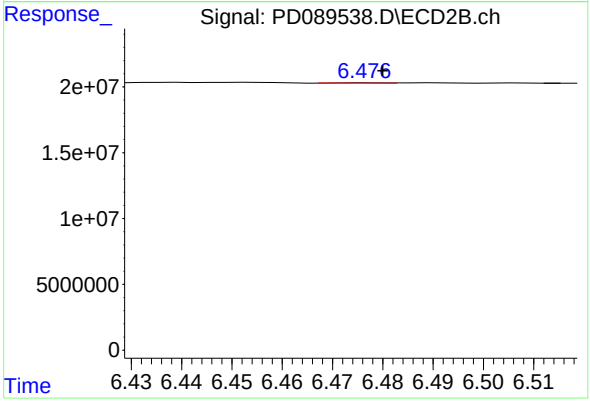
#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: -0.002 min
Response: 9624267
Conc: 0.58 ng/ml



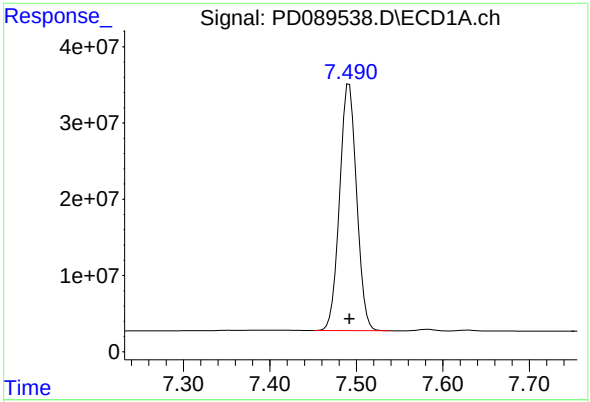
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T. : 7.148 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

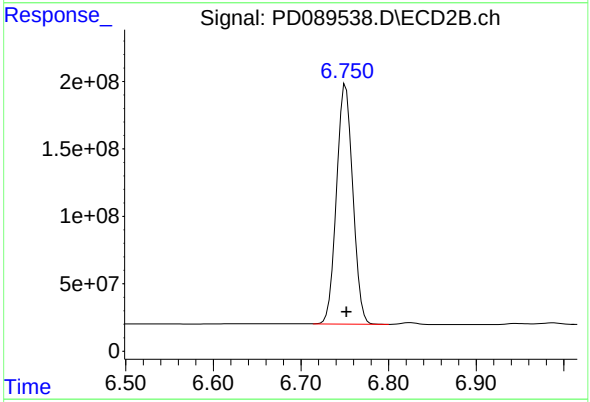
R.T.: 6.477 min
Delta R.T.: -0.003 min
Response: 162455
Conc: 0.01 ng/ml



#20 Methoxychlor

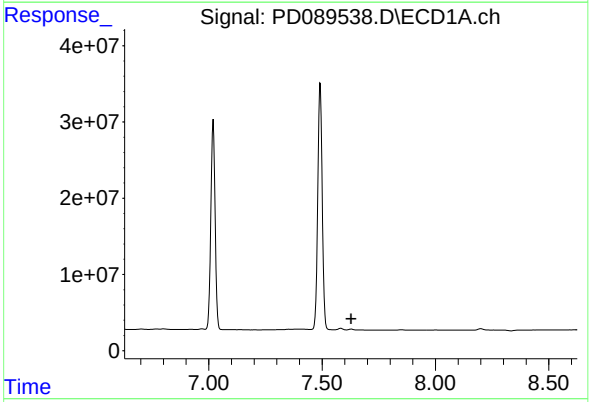
R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 440313209
Conc: 219.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



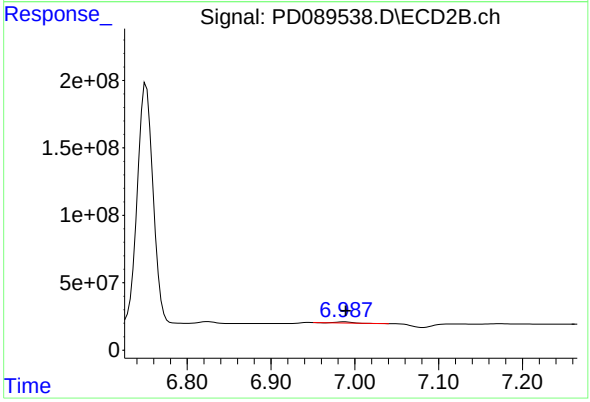
#20 Methoxychlor

R.T.: 6.751 min
Delta R.T.: 0.000 min
Response: 2299805464
Conc: 188.63 ng/ml



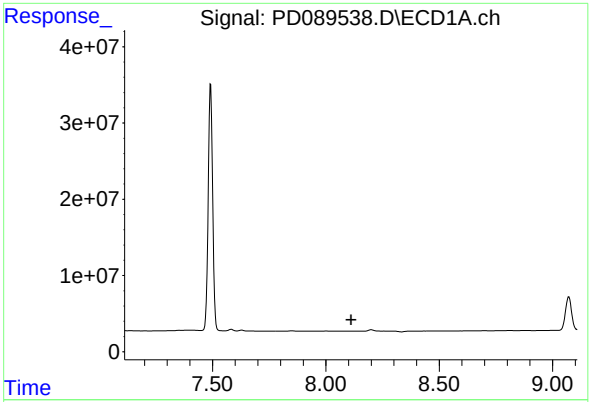
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: -90683
Conc: N.D.



#21 Endrin ketone

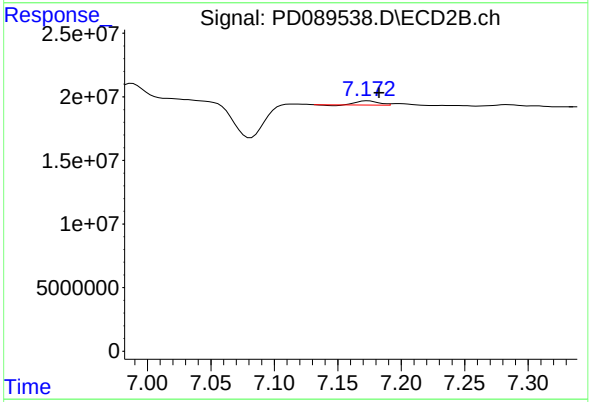
R.T.: 6.988 min
Delta R.T.: -0.001 min
Response: 9040078
Conc: 0.37 ng/ml



#22 Mirex

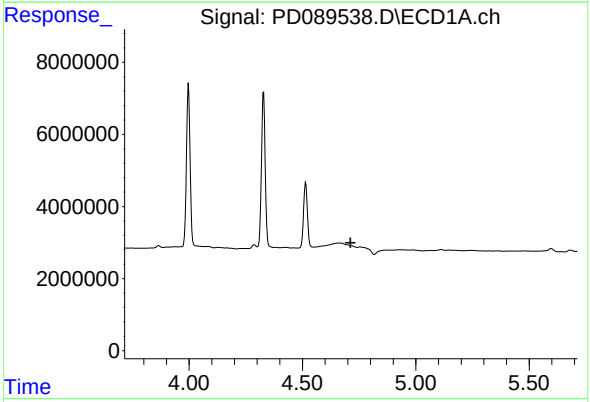
R.T.: 0.000 min
Exp R.T. : 8.112 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



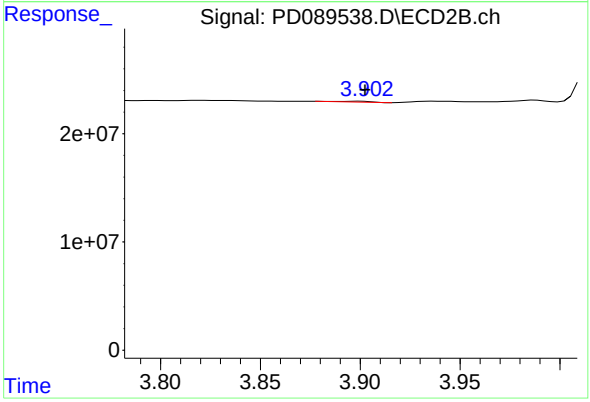
#22 Mirex

R.T.: 7.174 min
Delta R.T.: -0.009 min
Response: 3755382
Conc: 0.19 ng/ml



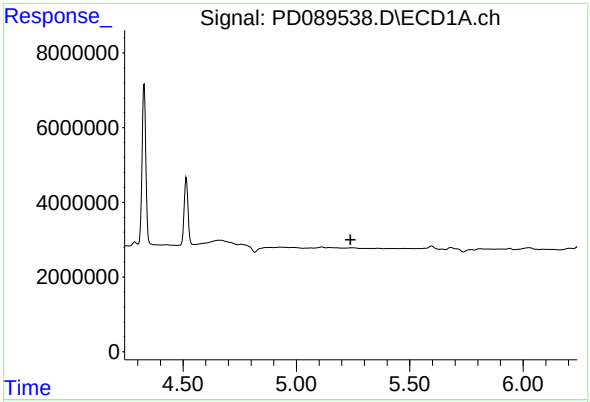
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.712 min
Response: 0
Conc: N.D.



#23 Chlordane-1

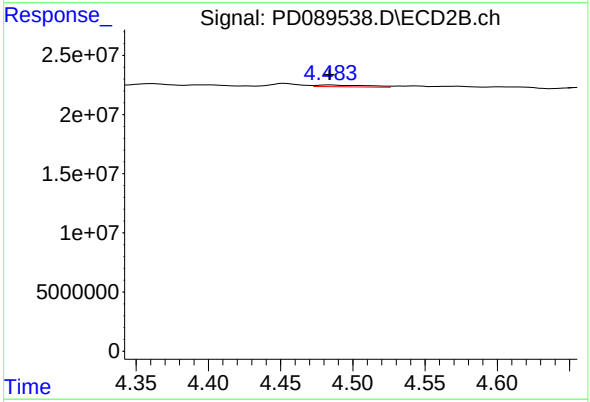
R.T.: 3.901 min
Delta R.T.: -0.002 min
Response: 908164
Conc: 0.98 ng/ml



#24 Chlordane-2

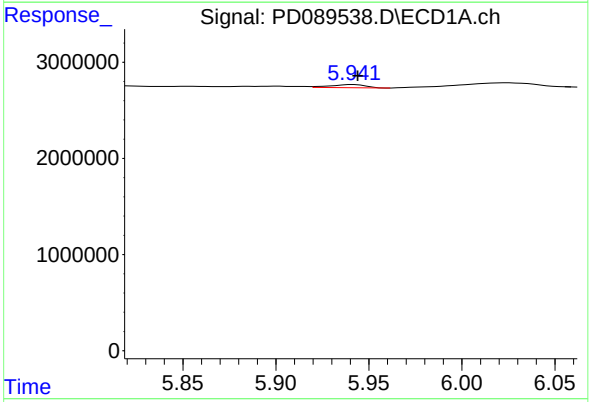
R.T.: 0.000 min
Exp R.T. : 5.239 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



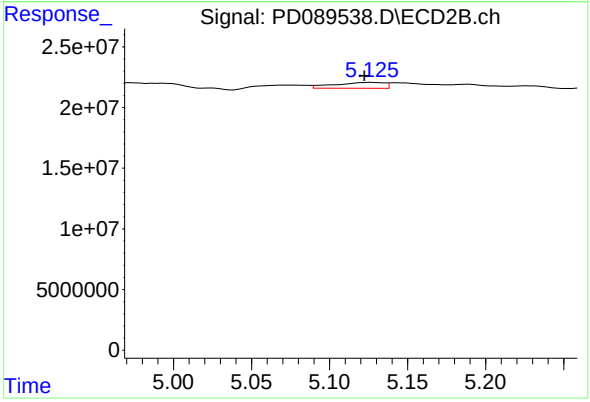
#24 Chlordane-2

R.T.: 4.484 min
Delta R.T.: 0.000 min
Response: 3771235
Conc: 3.85 ng/ml



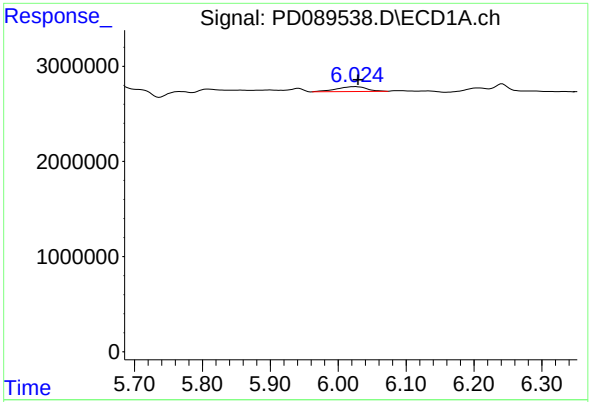
#25 Chlordane-3

R.T.: 5.942 min
Delta R.T.: -0.002 min
Response: 441851
Conc: 0.57 ng/ml



#25 Chlordane-3

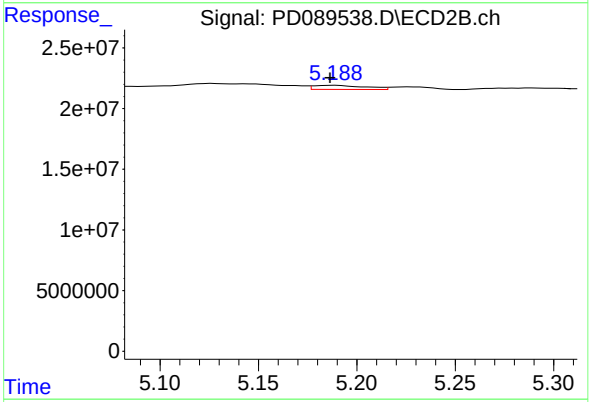
R.T.: 5.127 min
Delta R.T.: 0.005 min
Response: 10666540
Conc: 3.69 ng/ml



#26 Chlordane-4

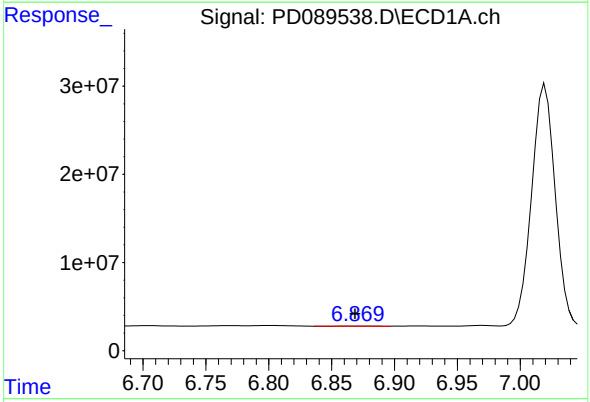
R.T.: 6.025 min
Delta R.T.: -0.004 min
Response: 1583084
Conc: 1.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



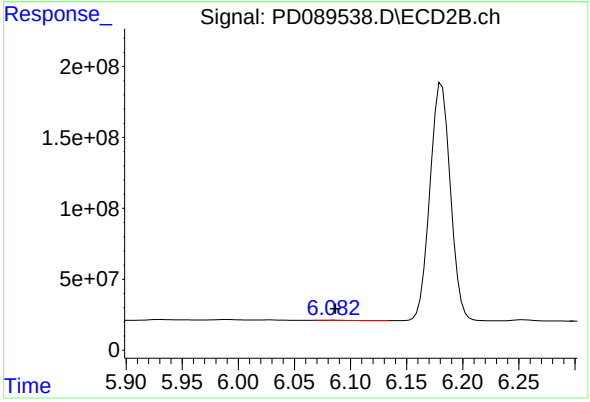
#26 Chlordane-4

R.T.: 5.189 min
Delta R.T.: 0.003 min
Response: 6110452
Conc: 2.53 ng/ml



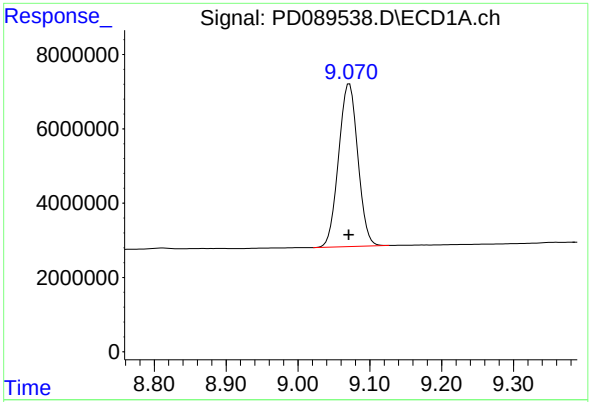
#27 Chlordane-5

R.T.: 6.870 min
Delta R.T.: 0.002 min
Response: 254529
Conc: 1.54 ng/ml



#27 Chlordane-5

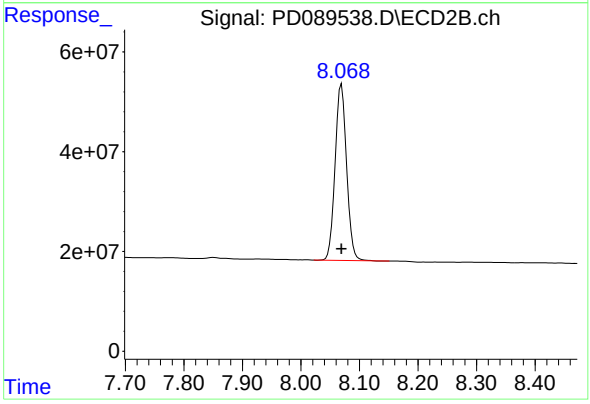
R.T.: 6.084 min
Delta R.T.: -0.003 min
Response: 1093245
Conc: 0.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.001 min
Response: 81289525
Conc: 19.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 481497610
Conc: 19.60 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089592.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 12:49
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:09:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.879	56117111	399.6E6	19.476	20.424	
28)	SA Decachlor...	9.068	8.068	85866937	512.1E6	20.907	20.845	
	Target Compounds							
2)	A alpha-BHC	3.997	3.390	53298254	331.8E6	9.335	11.042	
3)	MA gamma-BHC...	4.328	3.727	54146111	303.5E6	9.814	10.934	
4)	MA Heptachlor	4.926	4.079	240724	1726476	0.044	0.062	#
5)	MB Aldrin	5.248f	4.365	342637	746454	0.065	0.027	#
6)	B beta-BHC	4.514	4.023	22580257	130.7E6	10.473	10.977	
7)	B delta-BHC	4.758	4.254	1335594	430591	0.253	0.015	#
8)	B Heptachlo...	5.680	4.872	3775829	4182050	0.799	0.168	#
9)	A Endosulfan I	6.086	0.000	181373	0	0.041	N.D.	#
10)	B gamma-Chl...	5.939	5.120	657279	16292064	0.139	0.609	#
11)	B alpha-Chl...	6.030	5.184	1576246	23542163	0.331	0.913	#
12)	B 4,4'-DDE	6.194	5.375	190596	2148031	0.044	0.082	#
13)	MA Dieldrin	0.000	5.501	0	1861991	N.D.	0.070	#
14)	MA Endrin	6.571	5.785	207.0E6	1206.0E6	50.818	49.875	
15)	B Endosulfa...	6.768f	6.084	1659034	2274018	0.408	0.099	#
16)	A 4,4'-DDD	6.701	5.927	6448264	17852326	1.903	0.814	#
17)	MA 4,4'-DDT	7.018	6.179	382.5E6	2257.2E6	101.375	96.431	
18)	B Endrin al...	6.915	6.252	725326	12253663	0.249	0.738	#
19)	B Endosulfa...	0.000	6.476	0	688860	N.D.	0.031	#
20)	A Methoxychlor	7.489	6.750	464.1E6	2396.7E6	231.501	196.584	
21)	B Endrin ke...	7.626	6.985	1844614	11350347	0.458	0.463	
22)	Mirex	0.000	7.171	0	5592570	N.D.	0.289	#
23)	Chlordane-1	0.000	3.889	0	1788984	N.D.	1.926	#
24)	Chlordane-2	5.248	4.485	342637	11831628	1.704	12.070	#
25)	Chlordane-3	5.939	5.120	657279	16292064	0.844	5.643	#
26)	Chlordane-4	6.030	5.184	1576246	23542163	1.661	9.760	#
27)	Chlordane-5	6.868	6.084	293938	2274018	1.782	1.946	

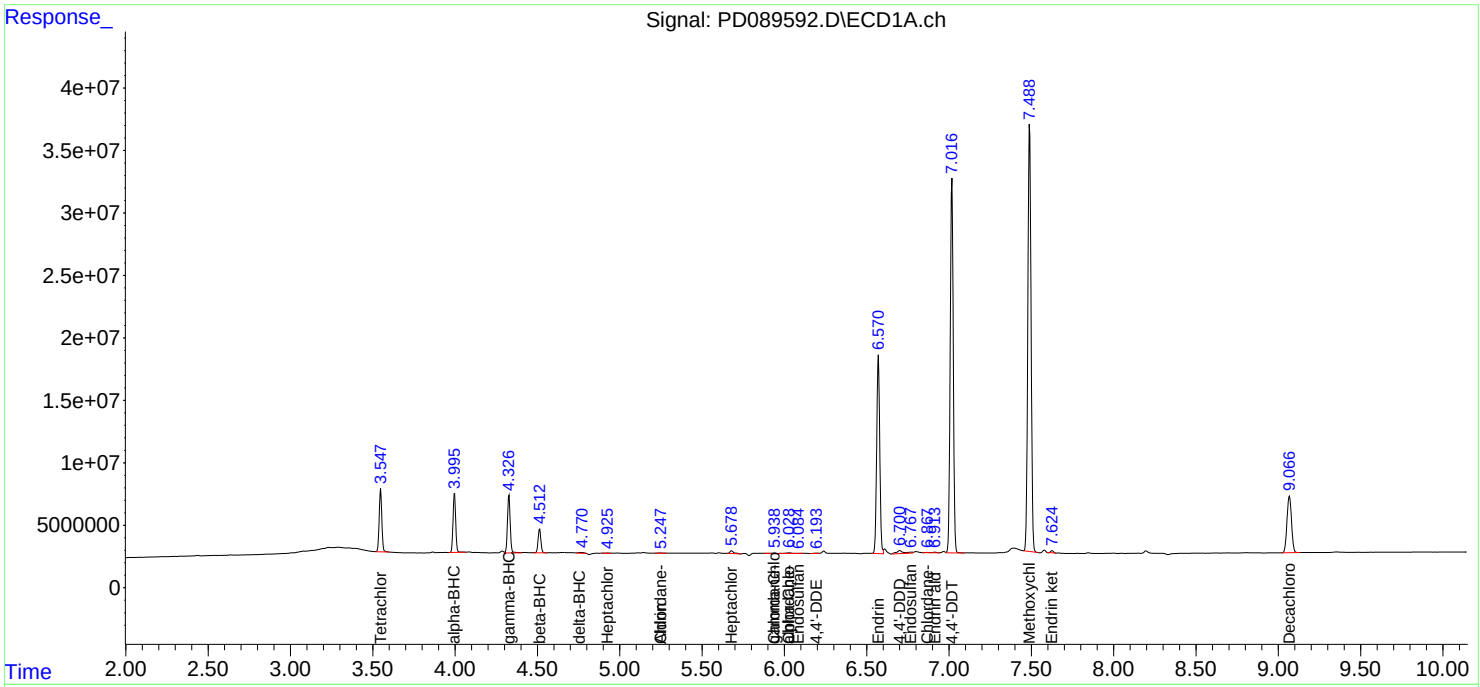
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

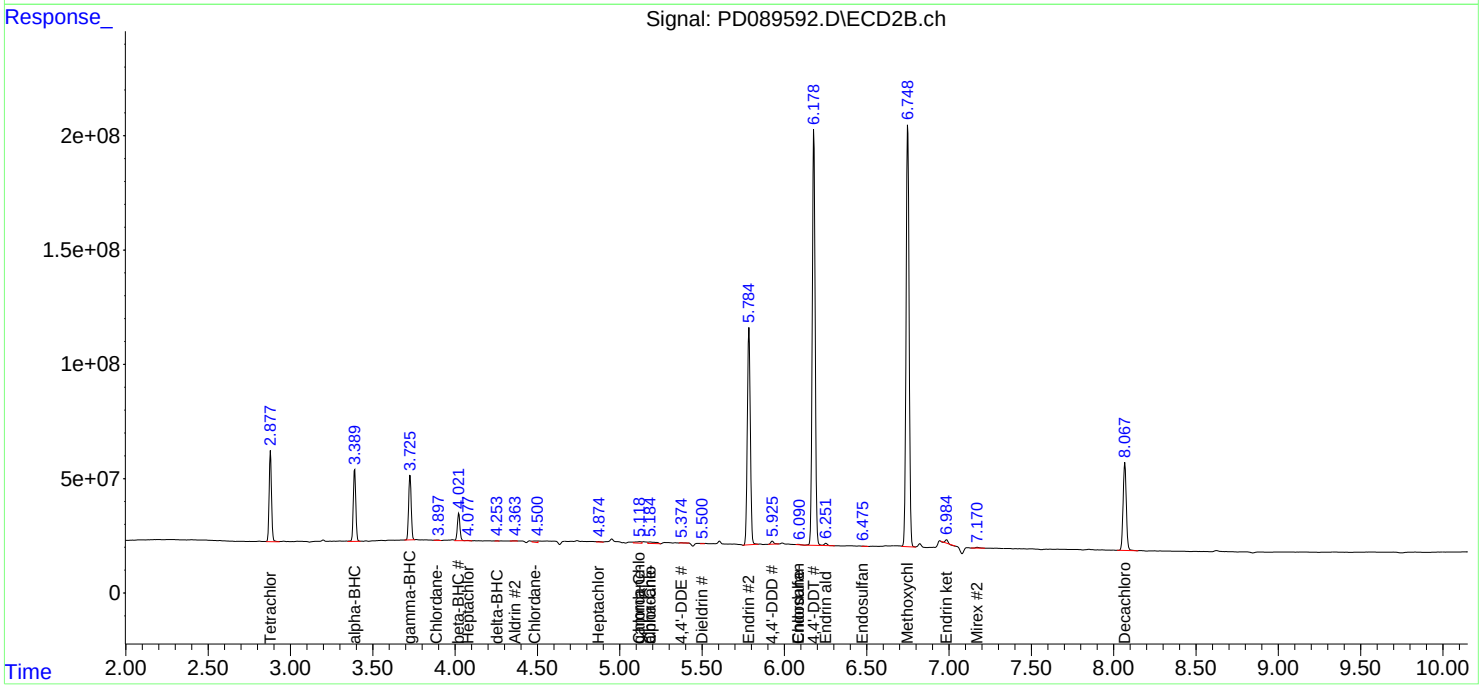
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089592.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 12:49
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

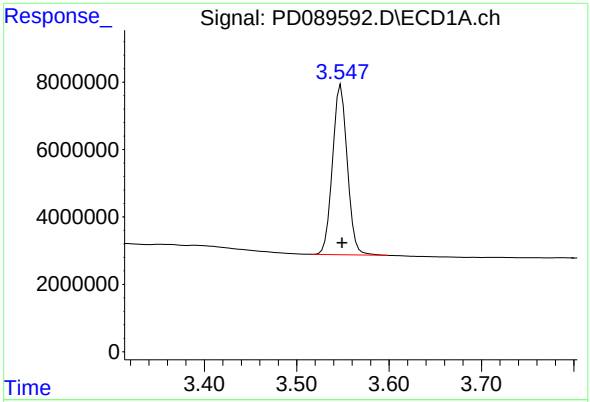
Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:09:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



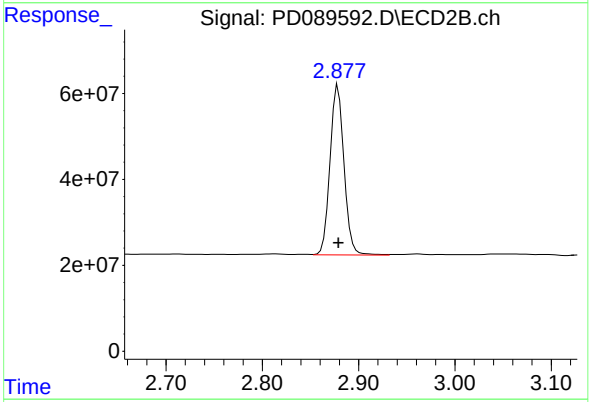




#1 Tetrachloro-m-xylene

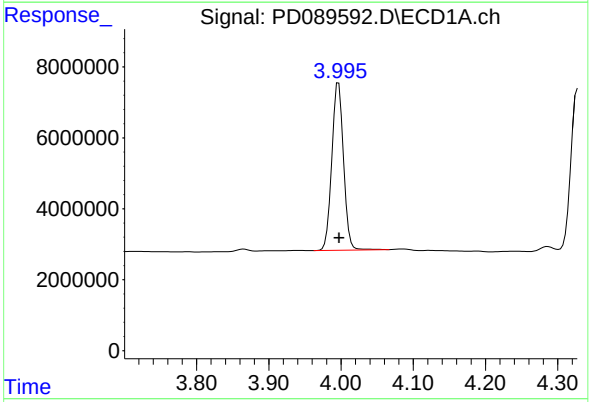
R.T.: 3.548 min
Delta R.T.: -0.001 min
Response: 56117111
Conc: 19.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



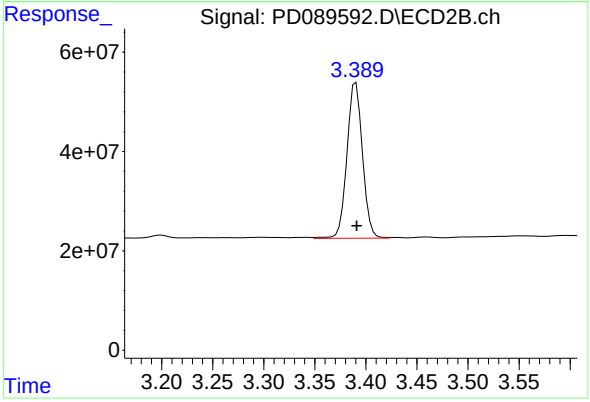
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 399614682
Conc: 20.42 ng/ml



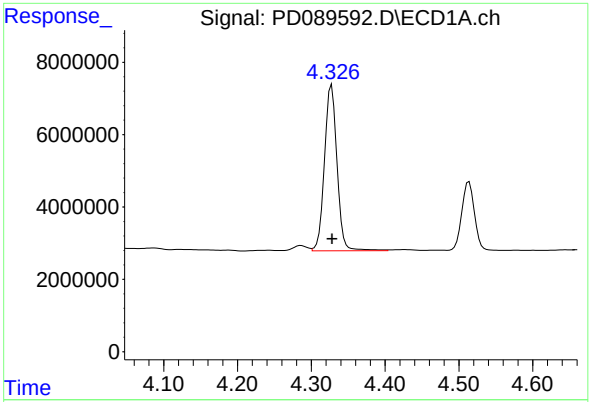
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 53298254
Conc: 9.33 ng/ml



#2 alpha-BHC

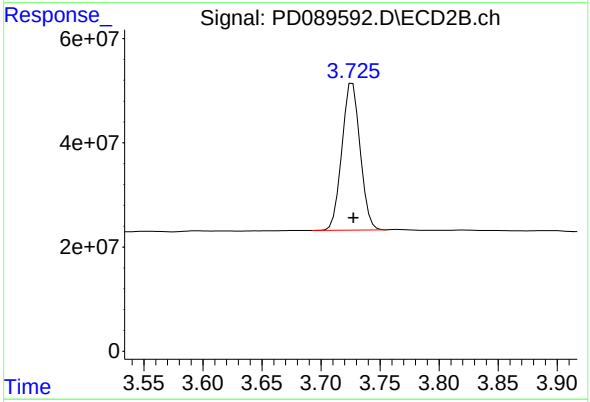
R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 331757110
Conc: 11.04 ng/ml



#3 gamma-BHC (Lindane)

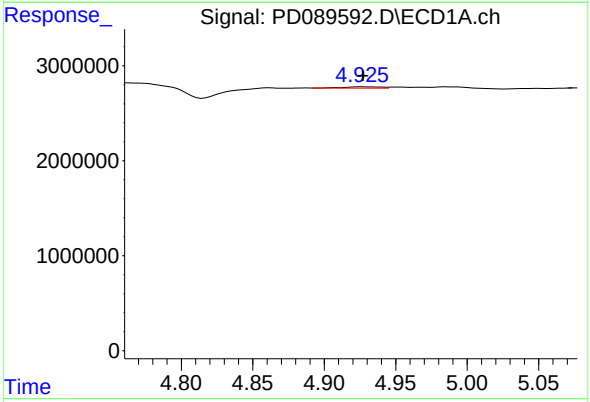
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 54146111
Conc: 9.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



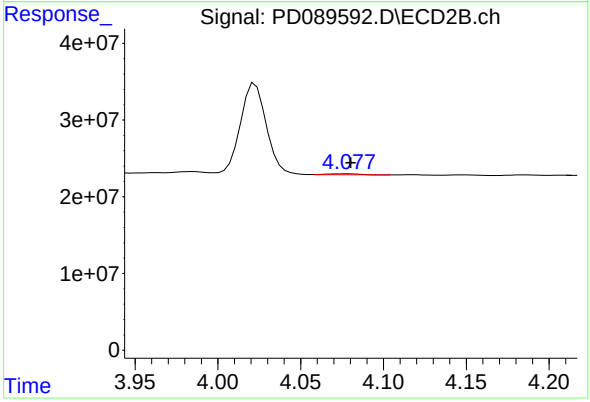
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 303540312
Conc: 10.93 ng/ml



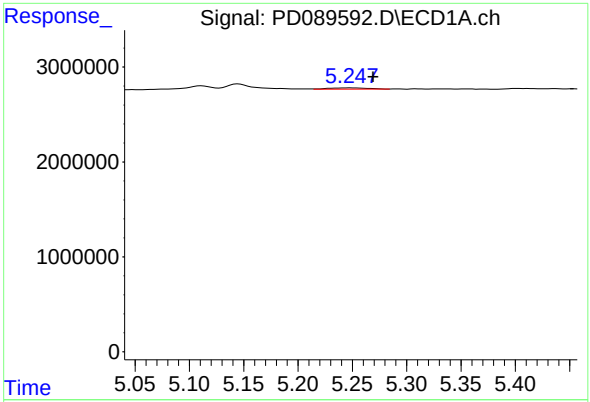
#4 Heptachlor

R.T.: 4.926 min
Delta R.T.: -0.001 min
Response: 240724
Conc: 0.04 ng/ml



#4 Heptachlor

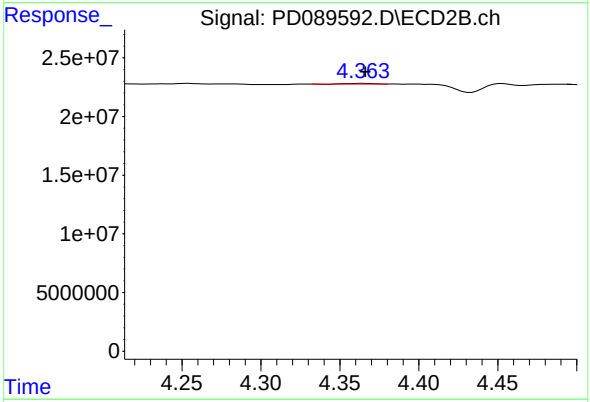
R.T.: 4.079 min
Delta R.T.: -0.001 min
Response: 1726476
Conc: 0.06 ng/ml



#5 Aldrin

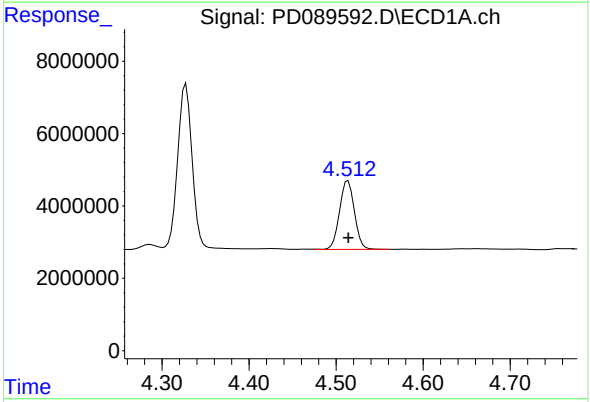
R.T.: 5.248 min
Delta R.T.: -0.021 min
Response: 342637
Conc: 0.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



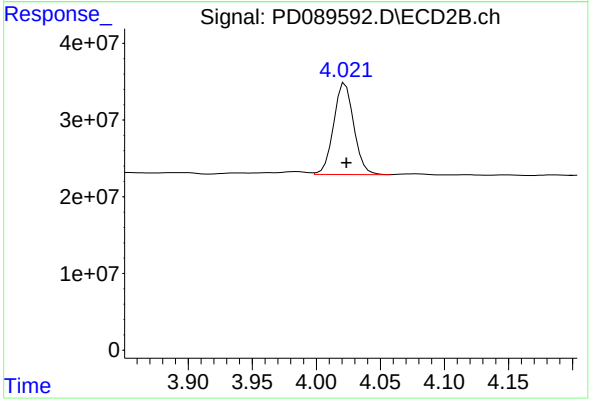
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: -0.002 min
Response: 746454
Conc: 0.03 ng/ml



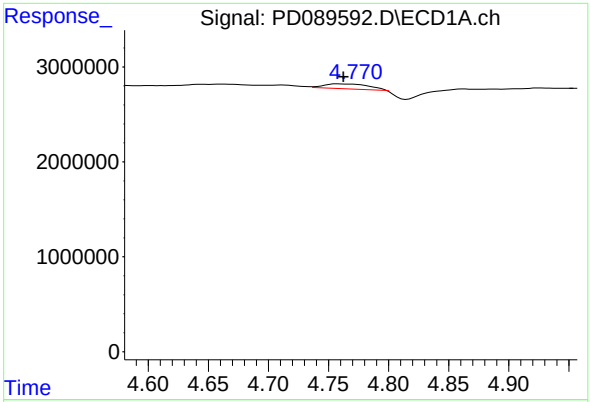
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 22580257
Conc: 10.47 ng/ml



#6 beta-BHC

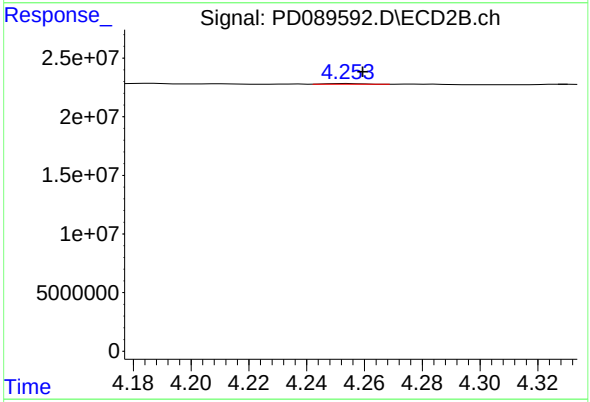
R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 130654966
Conc: 10.98 ng/ml



#7 delta-BHC

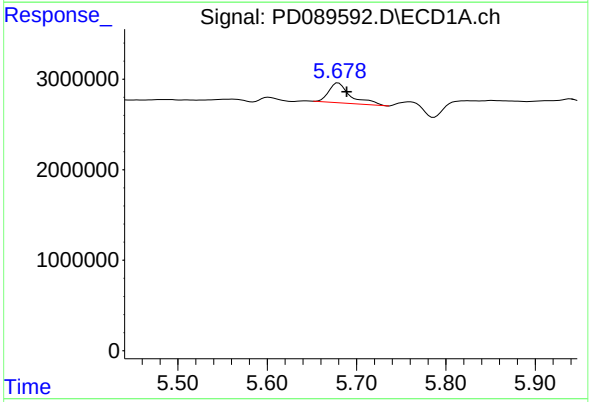
R.T.: 4.758 min
Delta R.T.: -0.005 min
Response: 1335594
Conc: 0.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



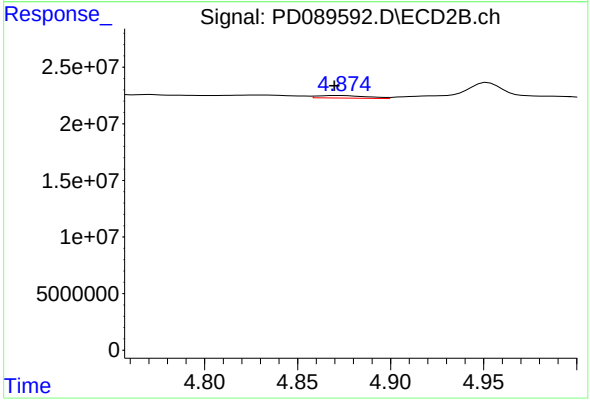
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: -0.005 min
Response: 430591
Conc: 0.02 ng/ml



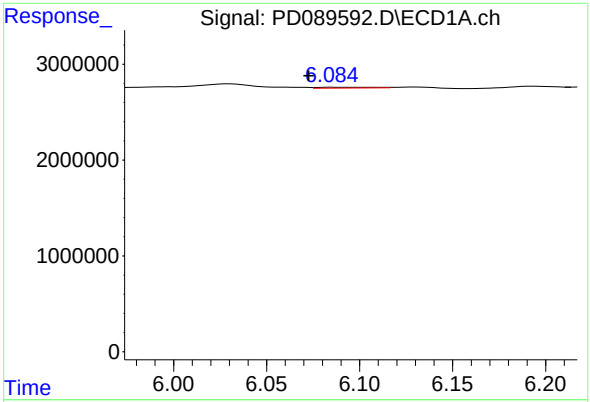
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.009 min
Response: 3775829
Conc: 0.80 ng/ml



#8 Heptachlor epoxide

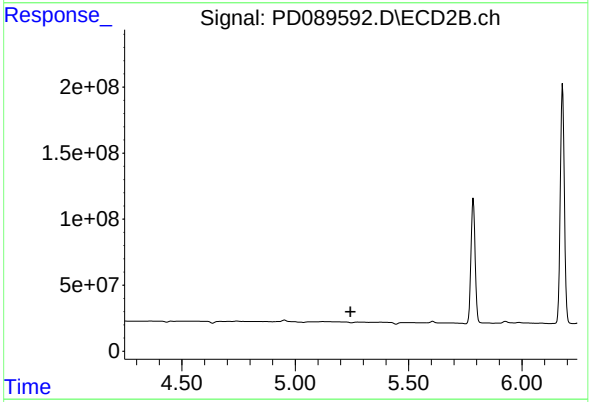
R.T.: 4.872 min
Delta R.T.: 0.002 min
Response: 4182050
Conc: 0.17 ng/ml



#9 Endosulfan I

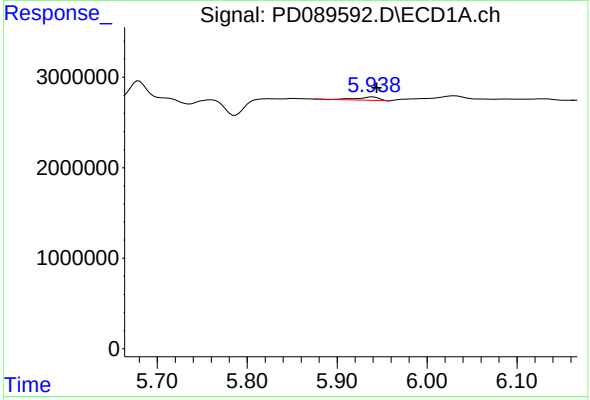
R.T.: 6.086 min
Delta R.T.: 0.013 min
Response: 181373
Conc: 0.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



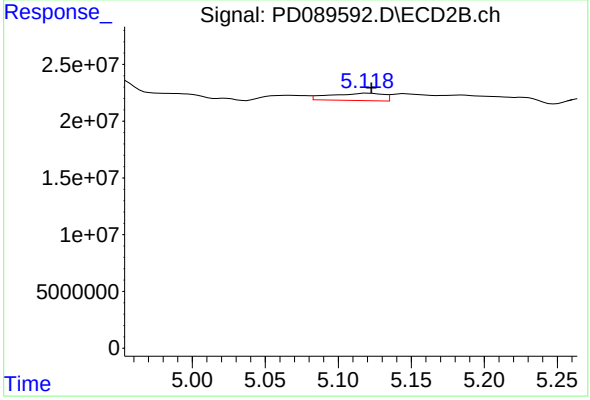
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T. : 5.244 min
Response: 0
Conc: N.D.



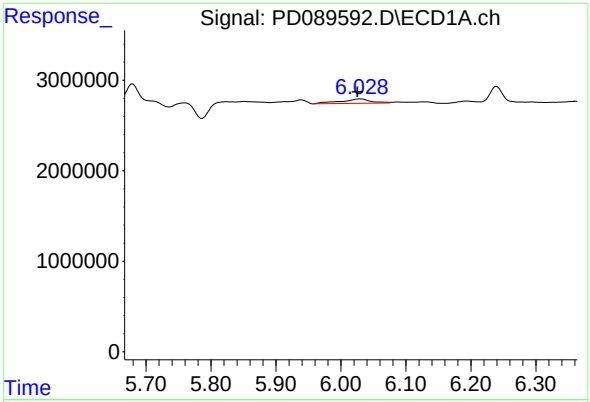
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: -0.005 min
Response: 657279
Conc: 0.14 ng/ml



#10 gamma-Chlordane

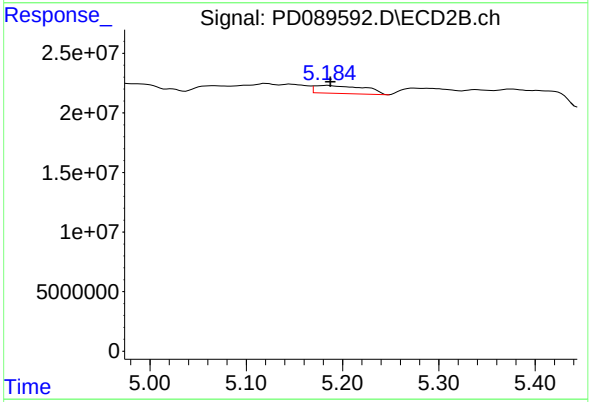
R.T.: 5.120 min
Delta R.T.: -0.003 min
Response: 16292064
Conc: 0.61 ng/ml



#11 alpha-Chlordane

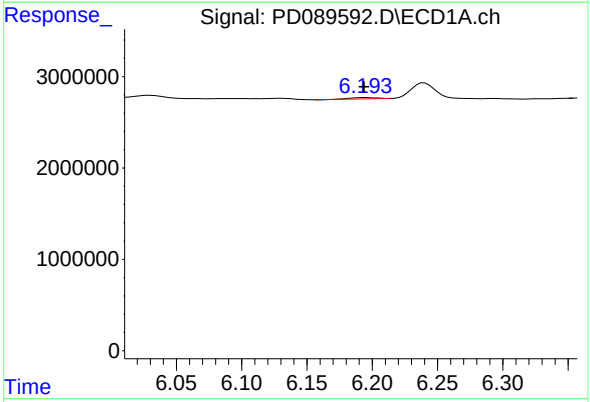
R.T.: 6.030 min
Delta R.T.: 0.005 min
Response: 1576246
Conc: 0.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



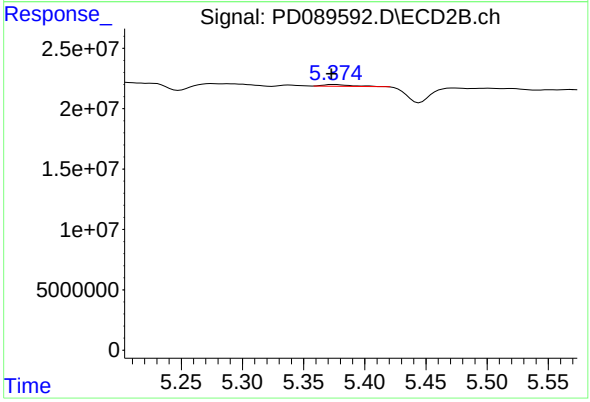
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.003 min
Response: 23542163
Conc: 0.91 ng/ml



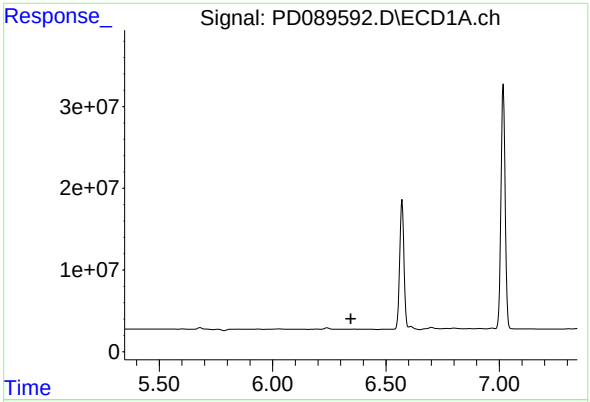
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 190596
Conc: 0.04 ng/ml



#12 4,4'-DDE

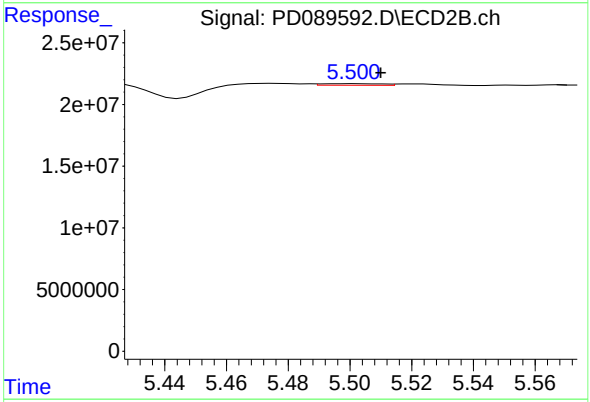
R.T.: 5.375 min
Delta R.T.: 0.003 min
Response: 2148031
Conc: 0.08 ng/ml



#13 Dieldrin

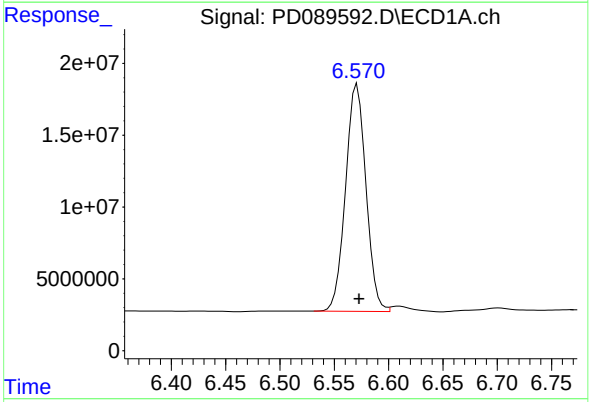
R.T.: 0.000 min
Exp R.T. : 6.345 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



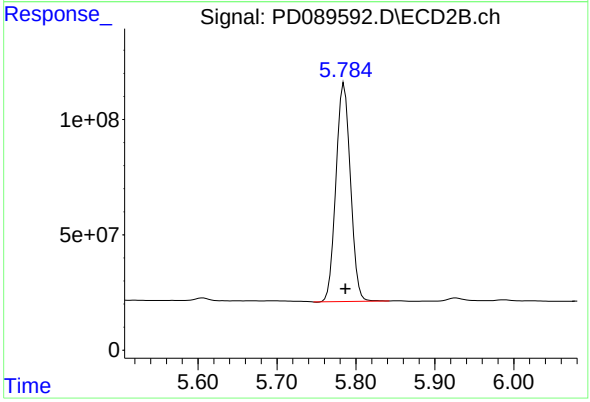
#13 Dieldrin

R.T.: 5.501 min
Delta R.T.: -0.009 min
Response: 1861991
Conc: 0.07 ng/ml



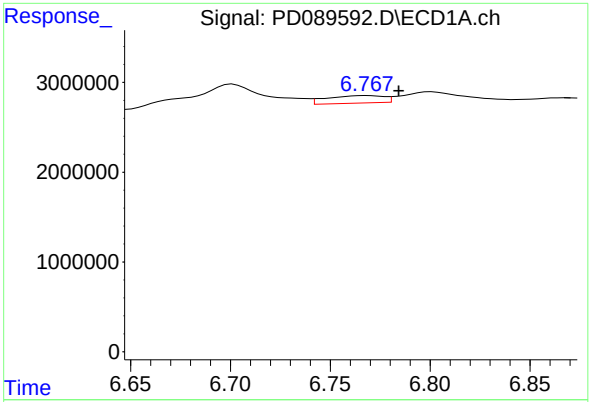
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 206960322
Conc: 50.82 ng/ml



#14 Endrin

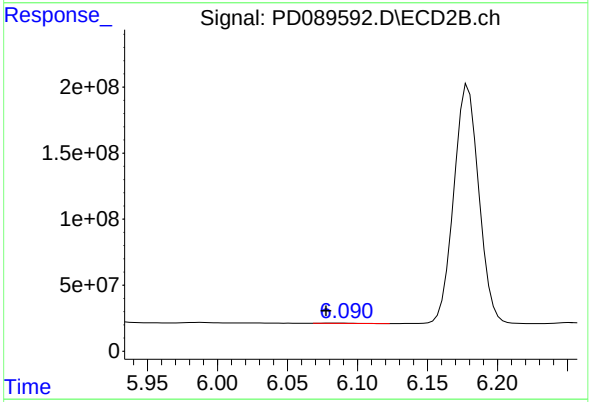
R.T.: 5.785 min
Delta R.T.: -0.002 min
Response: 1206048626
Conc: 49.87 ng/ml



#15 Endosulfan II

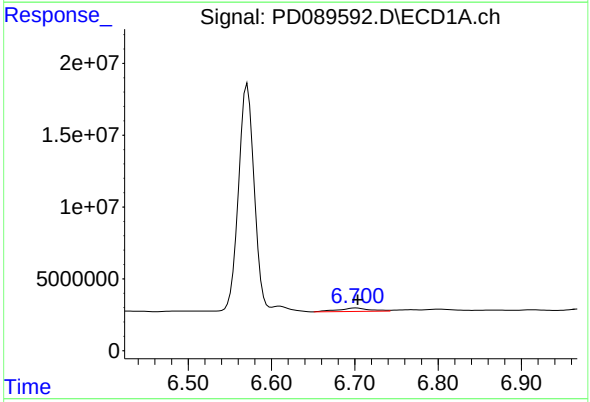
R.T.: 6.768 min
Delta R.T.: -0.016 min
Response: 1659034
Conc: 0.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



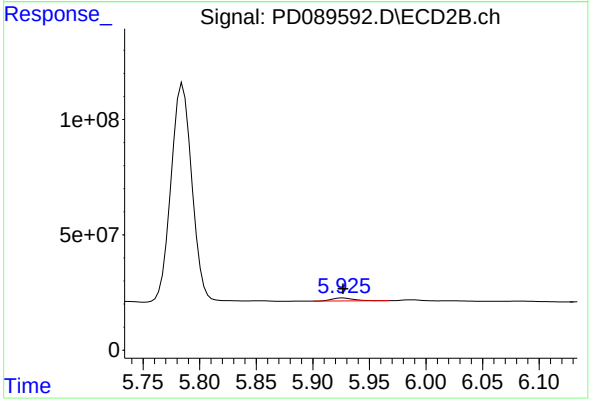
#15 Endosulfan II

R.T.: 6.084 min
Delta R.T.: 0.006 min
Response: 2274018
Conc: 0.10 ng/ml



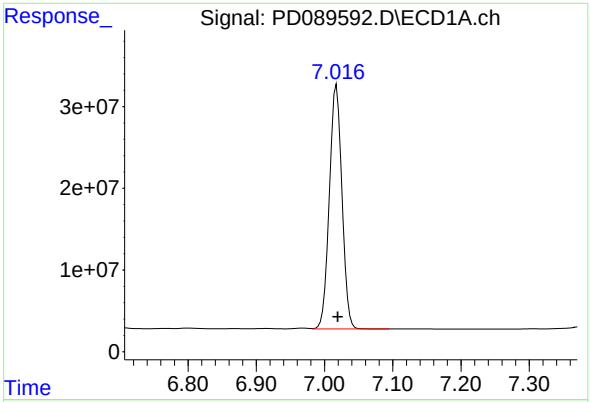
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: -0.002 min
Response: 6448264
Conc: 1.90 ng/ml



#16 4,4'-DDD

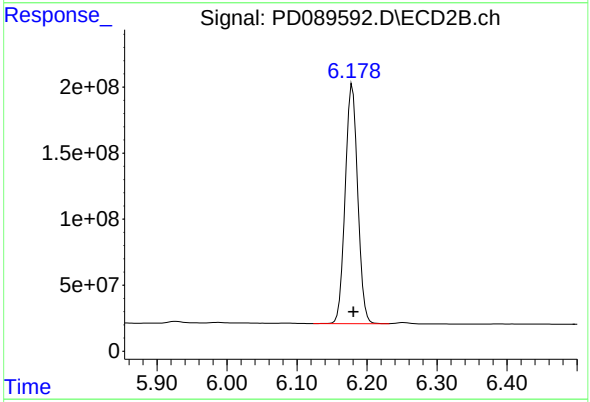
R.T.: 5.927 min
Delta R.T.: 0.000 min
Response: 17852326
Conc: 0.81 ng/ml



#17 4,4'-DDT

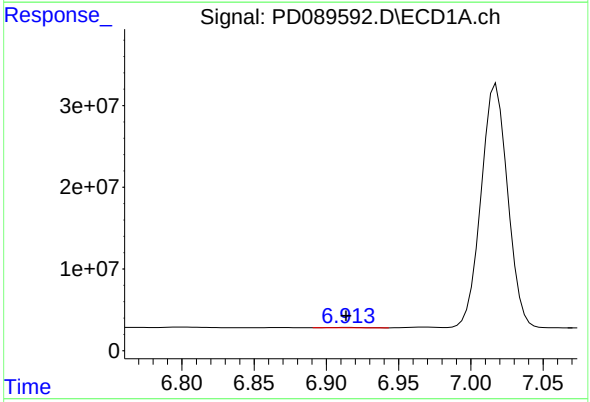
R.T.: 7.018 min
Delta R.T.: -0.002 min
Response: 382481486
Conc: 101.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



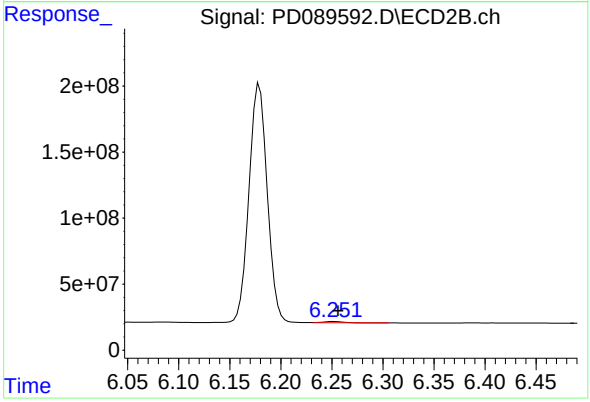
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 2257178002
Conc: 96.43 ng/ml



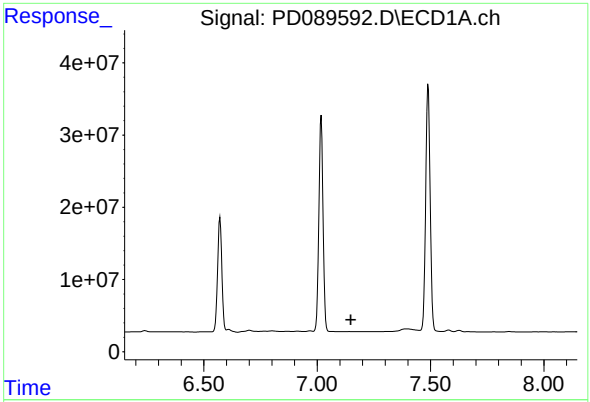
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.001 min
Response: 725326
Conc: 0.25 ng/ml



#18 Endrin aldehyde

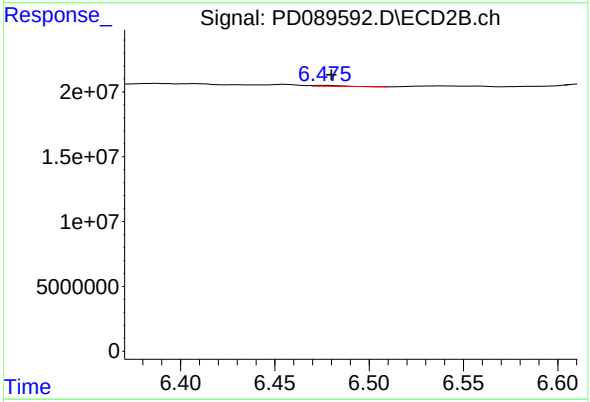
R.T.: 6.252 min
Delta R.T.: -0.004 min
Response: 12253663
Conc: 0.74 ng/ml



#19 Endosulfan Sulfate

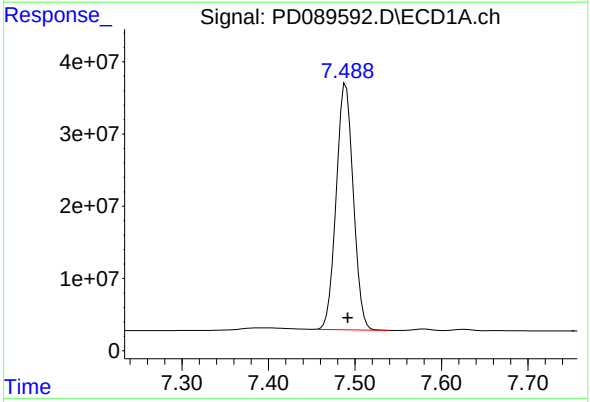
R.T.: 0.000 min
Exp R.T. : 7.148 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



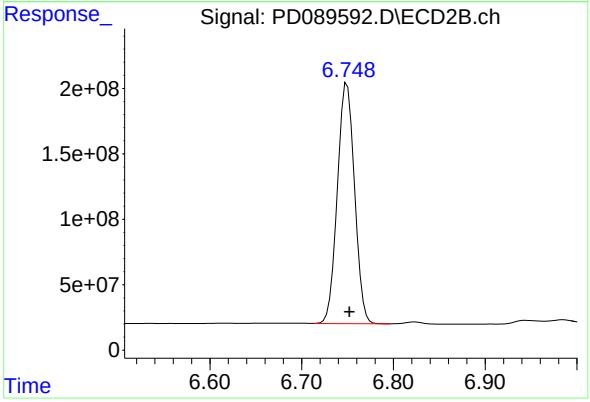
#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: -0.003 min
Response: 688860
Conc: 0.03 ng/ml



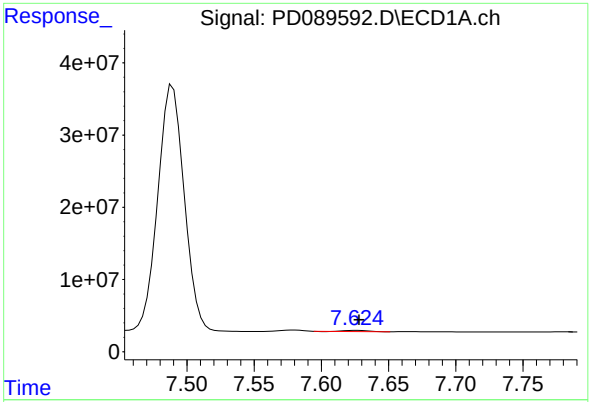
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: -0.002 min
Response: 464134137
Conc: 231.50 ng/ml



#20 Methoxychlor

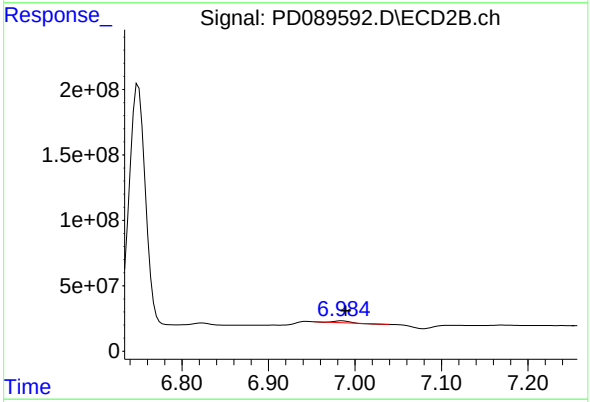
R.T.: 6.750 min
Delta R.T.: -0.002 min
Response: 2396738028
Conc: 196.58 ng/ml



#21 Endrin ketone

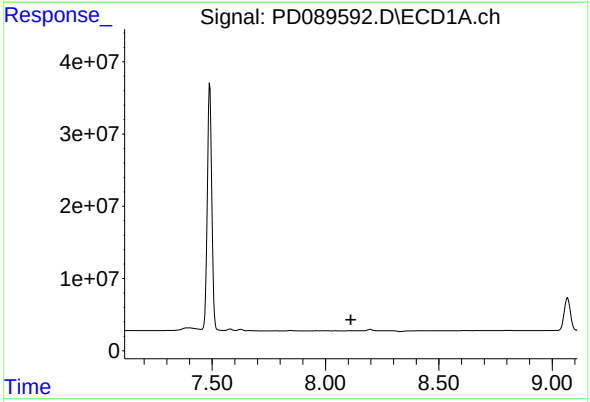
R.T.: 7.626 min
Delta R.T.: -0.002 min
Response: 1844614
Conc: 0.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



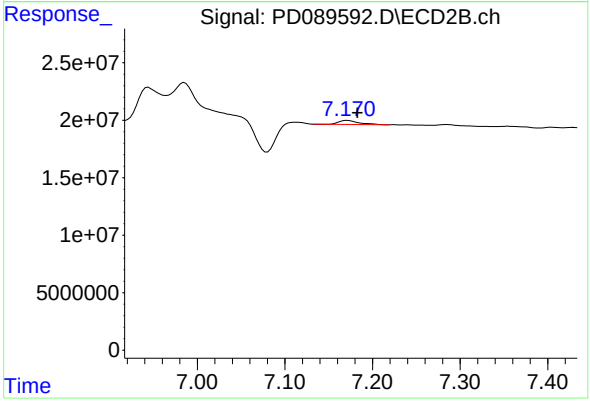
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: -0.004 min
Response: 11350347
Conc: 0.46 ng/ml



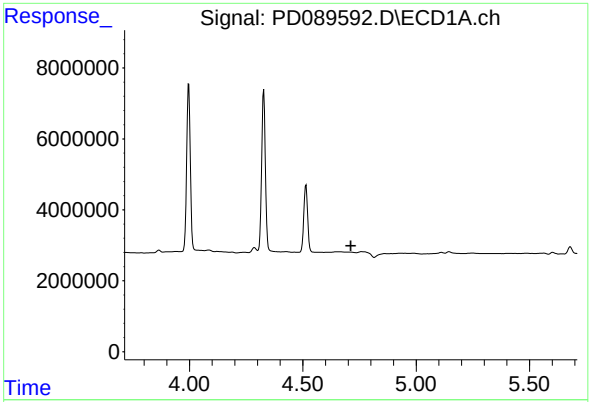
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.112 min
Response: 0
Conc: N.D.



#22 Mirex

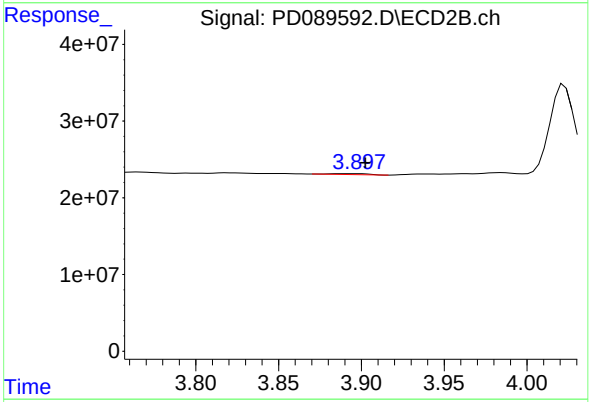
R.T.: 7.171 min
Delta R.T.: -0.012 min
Response: 5592570
Conc: 0.29 ng/ml



#23 Chlordane-1

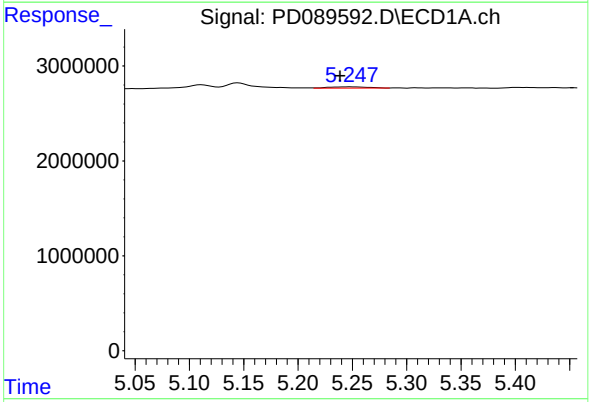
R.T.: 0.000 min
Exp R.T. : 4.712 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



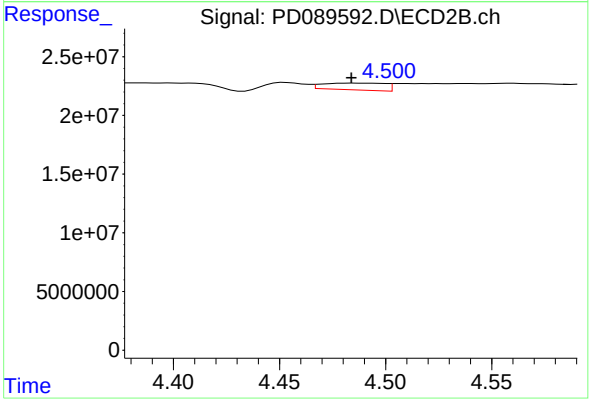
#23 Chlordane-1

R.T.: 3.889 min
Delta R.T.: -0.013 min
Response: 1788984
Conc: 1.93 ng/ml



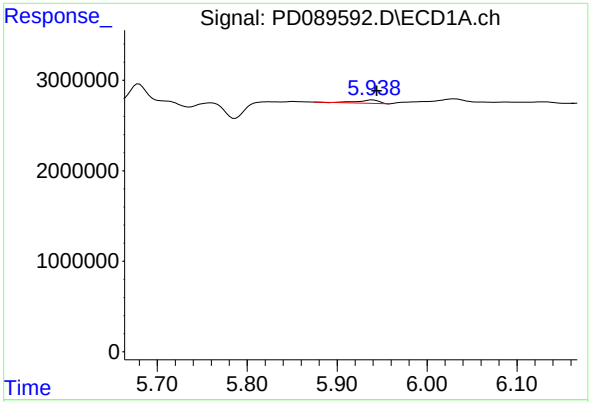
#24 Chlordane-2

R.T.: 5.248 min
Delta R.T.: 0.009 min
Response: 342637
Conc: 1.70 ng/ml



#24 Chlordane-2

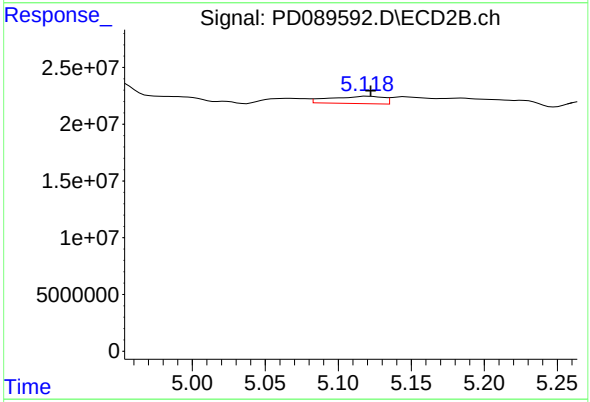
R.T.: 4.485 min
Delta R.T.: 0.002 min
Response: 11831628
Conc: 12.07 ng/ml



#25 Chlordane-3

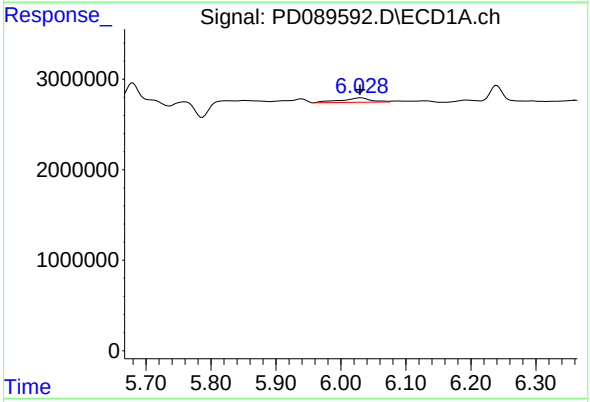
R.T.: 5.939 min
Delta R.T.: -0.005 min
Response: 657279
Conc: 0.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



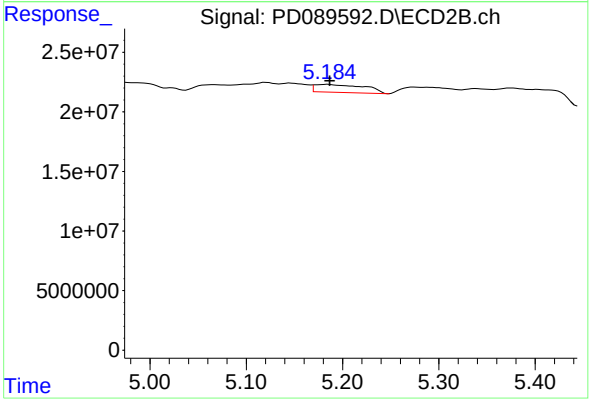
#25 Chlordane-3

R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 16292064
Conc: 5.64 ng/ml



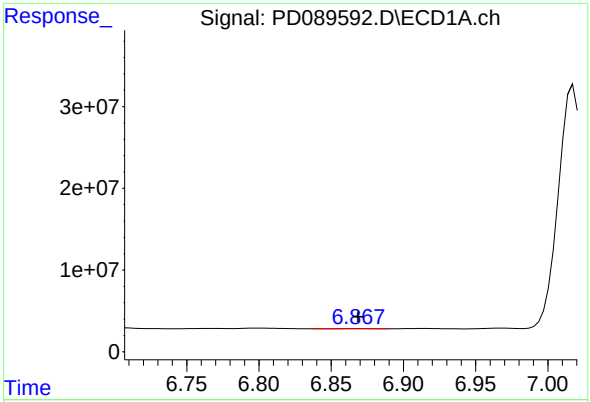
#26 Chlordane-4

R.T.: 6.030 min
Delta R.T.: 0.000 min
Response: 1576246
Conc: 1.66 ng/ml



#26 Chlordane-4

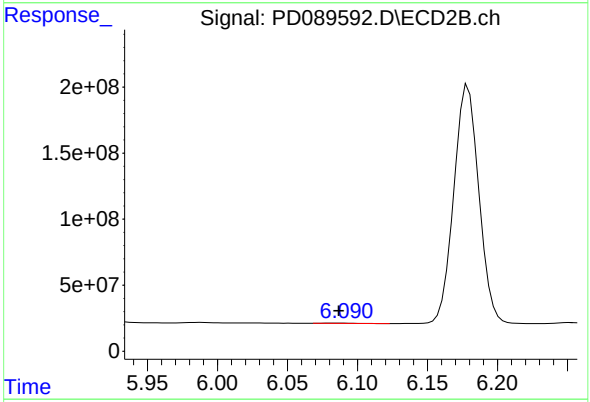
R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 23542163
Conc: 9.76 ng/ml



#27 Chlordane-5

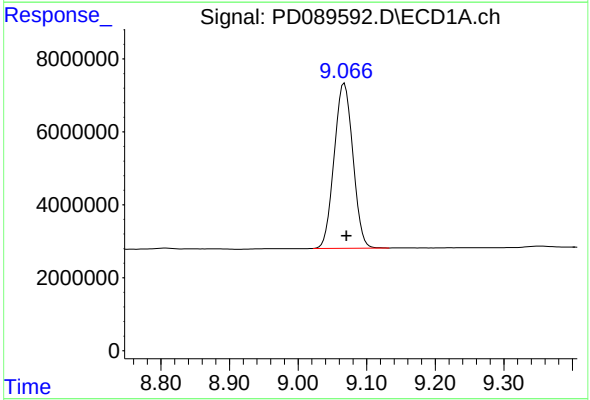
R.T.: 6.868 min
Delta R.T.: 0.000 min
Response: 293938
Conc: 1.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



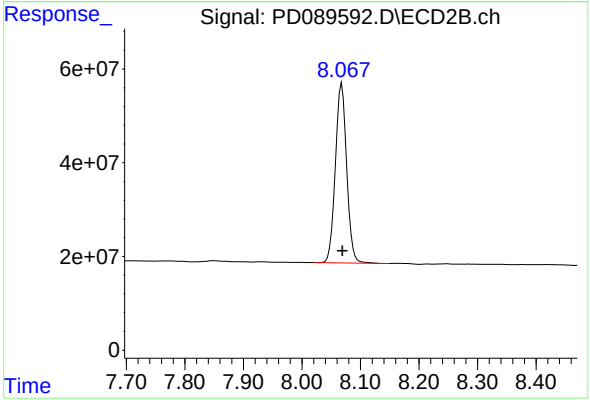
#27 Chlordane-5

R.T.: 6.084 min
Delta R.T.: -0.003 min
Response: 2274018
Conc: 1.95 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 85866937
Conc: 20.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: -0.001 min
Response: 512120464
Conc: 20.84 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 18:57
Operator : AR\AJ
Sample : Q2639-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-38-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:13:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.879	43936577	596.2E6	15.249	30.473	#
28)	SA Decachlor...	9.070	8.067	32259841	235.3E6	7.855	9.579	
	Target Compounds							
2)	A alpha-BHC	4.013f	3.383	886806	58382302	0.155	1.943	#
3)	MA gamma-BHC...	4.299f	3.732	25838038	13619907	4.683	0.491	#
4)	MA Heptachlor	4.945f	4.069	5826944	3781433	1.068	0.135	#
5)	MB Aldrin	5.251f	4.370	4103922	9298957	0.784	0.340	#
6)	B beta-BHC	4.488f	0.000	1782160	0	0.827	N.D.	#
7)	B delta-BHC	4.776	4.253	7761973	3856024	1.469	0.138	#
8)	B Heptachlo...	5.681	4.869	2817730	13798892	0.597	0.555	
9)	A Endosulfan I	6.095f	5.264f	13770220	150.3E6	3.097	6.329	#
10)	B gamma-Chl...	5.941	5.121	3382364	75116357	0.713	2.808	#
11)	B alpha-Chl...	6.026	5.187	9546625	134.2E6	2.003	5.203	#
12)	B 4,4'-DDE	6.195	5.373	1531827	36239625	0.357	1.380	#
13)	MA Dieldrin	6.348	5.508	-1060104	141.8E6	N.D.	5.365	
14)	MA Endrin	6.572	5.791	7729913	234.9E6	1.898	9.715	#
15)	B Endosulfa...	6.776	6.077	2210605	70346825	0.543	3.063	#
16)	A 4,4'-DDD	6.699	5.926	22219340	54242735	6.557	2.474	#
17)	MA 4,4'-DDT	7.018	6.179	55713529	334.3E6	14.767	14.281	
18)	B Endrin al...	6.918	6.239f	5758402	76609530	1.975	4.616	#
19)	B Endosulfa...	7.147	6.497f	4426732	2047946	1.173	0.092	#
20)	A Methoxychlor	0.000	6.732f	0	23064573	N.D.	1.892	#
21)	B Endrin ke...	0.000	6.963f	0	22143413	N.D.	0.904	#
22)	Mirex	8.104	7.162f	3516567	1280032	1.143	0.066	#
23)	Chlordane-1	4.711	3.901	-2312033	59986262	N.D.	64.594	
24)	Chlordane-2	5.251	4.481	4103922	3531713	20.409	3.603	#
25)	Chlordane-3	5.941	5.121	3382364	75116357	4.341	26.019	#
26)	Chlordane-4	6.026	5.187	9546625	134.2E6	10.057	55.636	#
27)	Chlordane-5	6.862	6.077	5164698	70346825	31.316	60.205	#

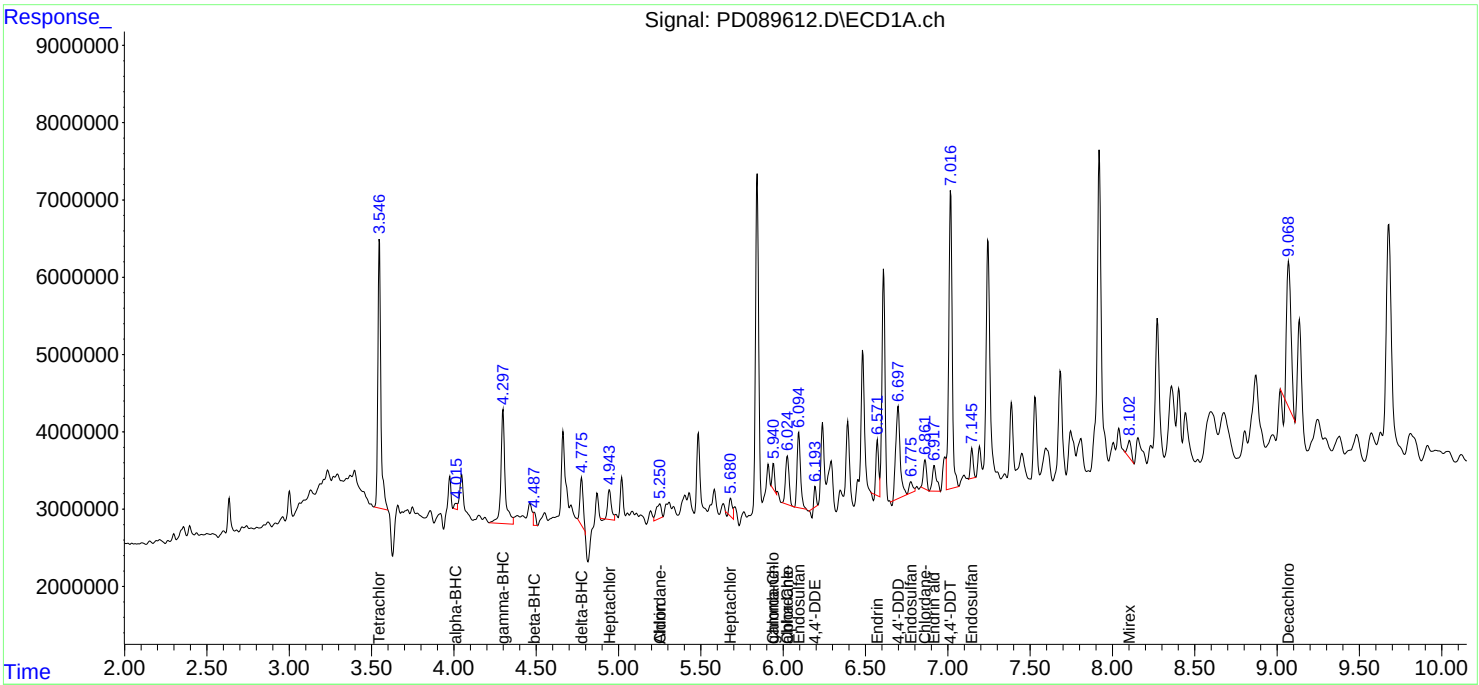
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

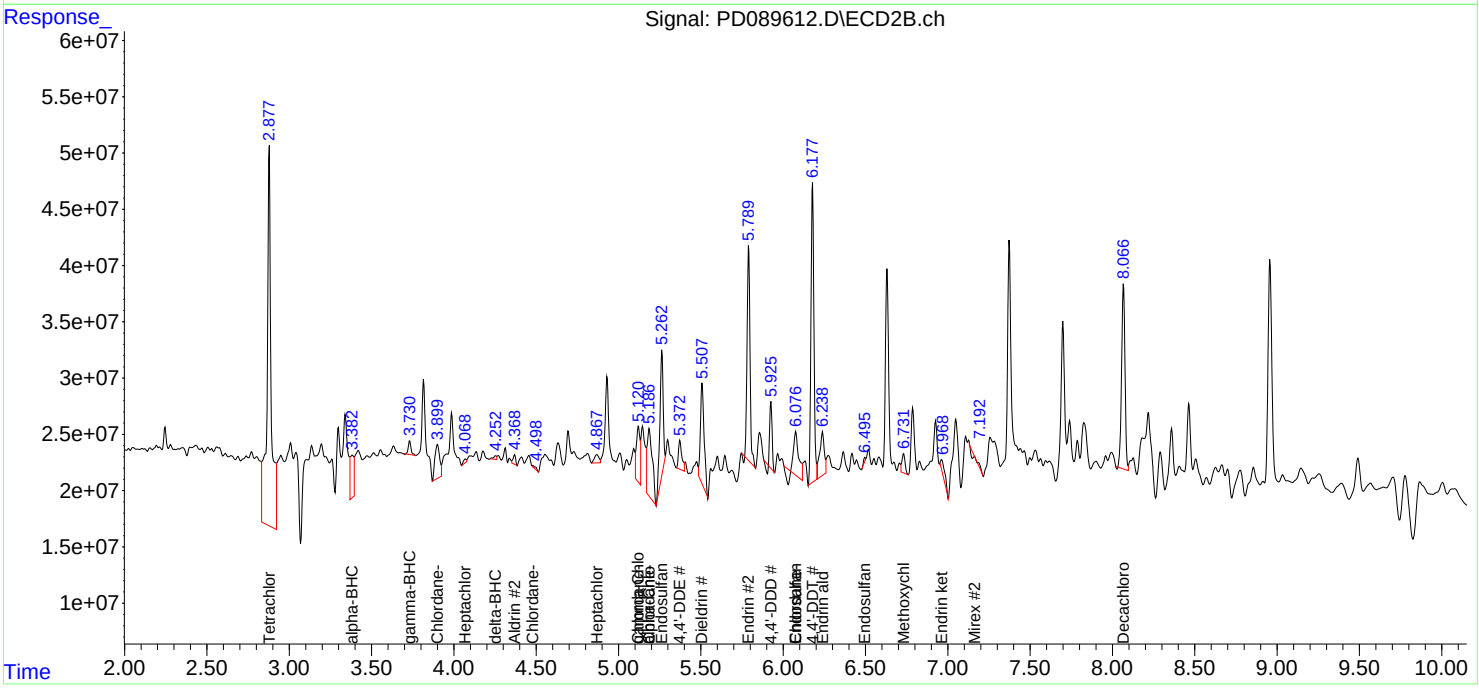
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 18:57
Operator : AR\AJ
Sample : Q2639-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

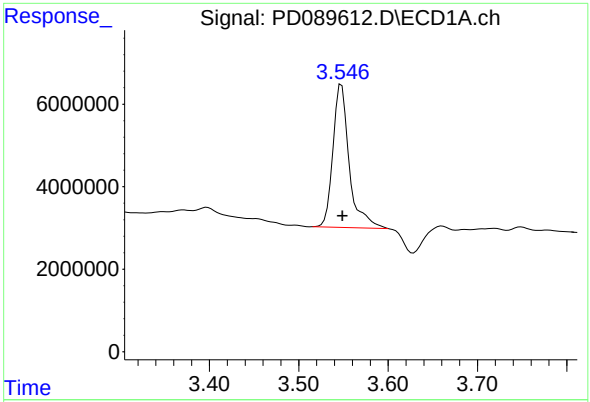
Instrument :
ECD_D
ClientSampleId :
OU4-TS-38-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:13:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



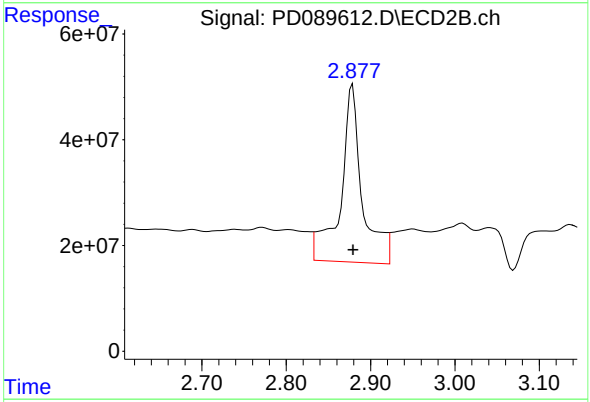




#1 Tetrachloro-m-xylene

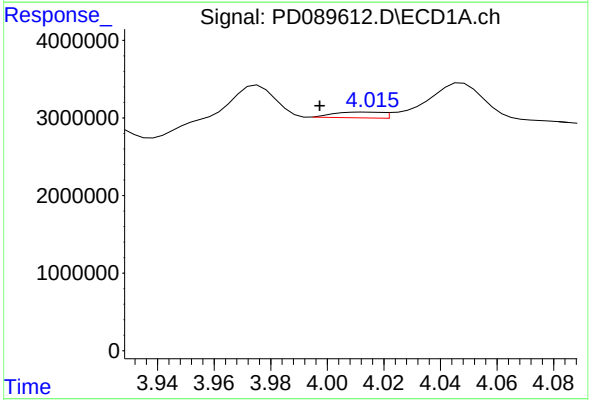
R.T.: 3.548 min
Delta R.T.: -0.001 min
Response: 43936577
Conc: 15.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-38-071725



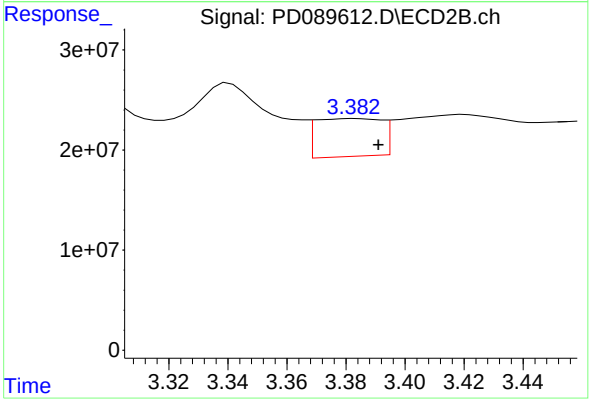
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 596237528
Conc: 30.47 ng/ml



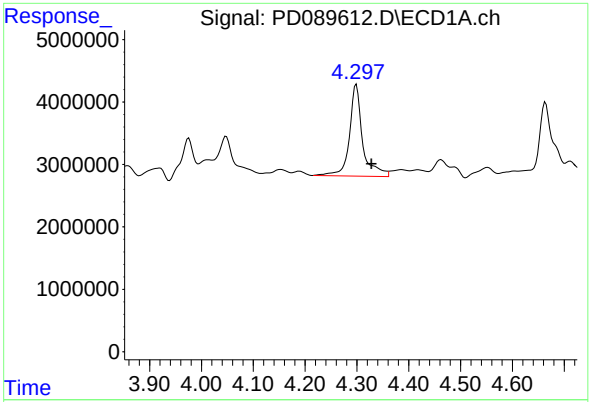
#2 alpha-BHC

R.T.: 4.013 min
Delta R.T.: 0.016 min
Response: 886806
Conc: 0.16 ng/ml



#2 alpha-BHC

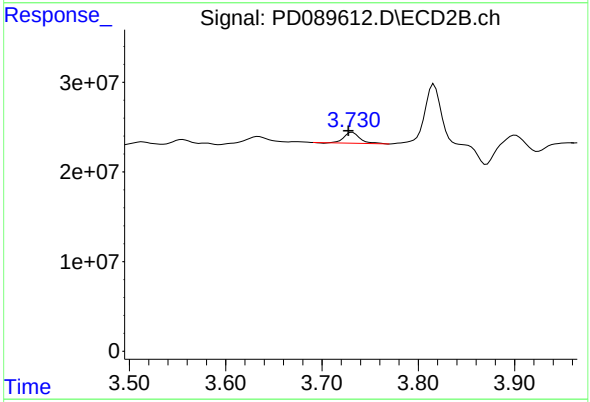
R.T.: 3.383 min
Delta R.T.: -0.008 min
Response: 58382302
Conc: 1.94 ng/ml



#3 gamma-BHC (Lindane)

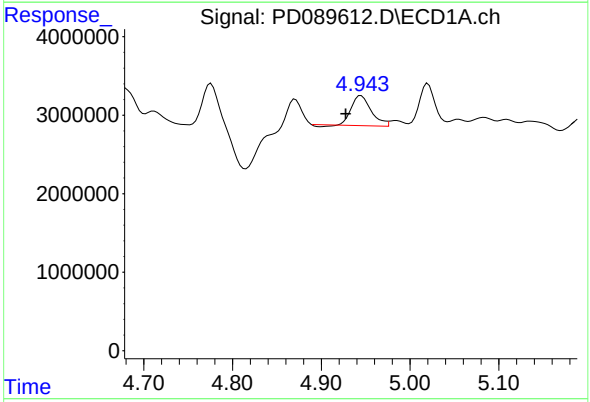
R.T.: 4.299 min
Delta R.T.: -0.029 min
Response: 25838038
Conc: 4.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-38-071725



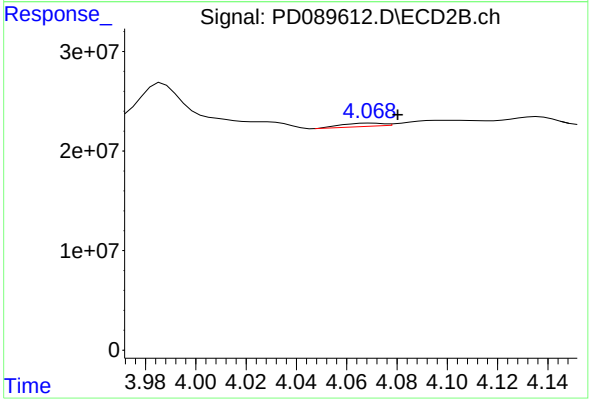
#3 gamma-BHC (Lindane)

R.T.: 3.732 min
Delta R.T.: 0.004 min
Response: 13619907
Conc: 0.49 ng/ml



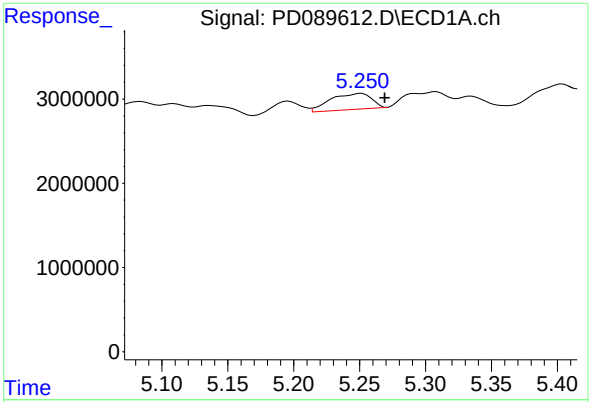
#4 Heptachlor

R.T.: 4.945 min
Delta R.T.: 0.017 min
Response: 5826944
Conc: 1.07 ng/ml



#4 Heptachlor

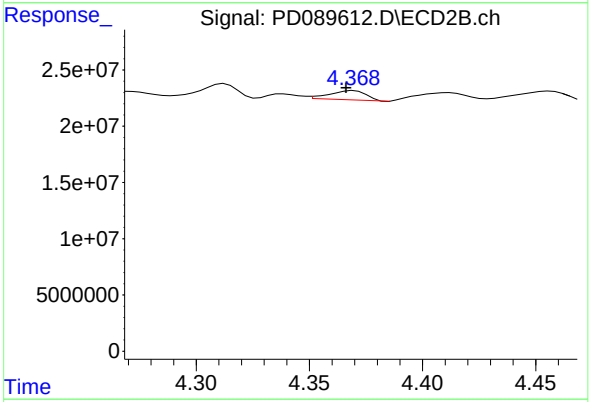
R.T.: 4.069 min
Delta R.T.: -0.011 min
Response: 3781433
Conc: 0.13 ng/ml



#5 Aldrin

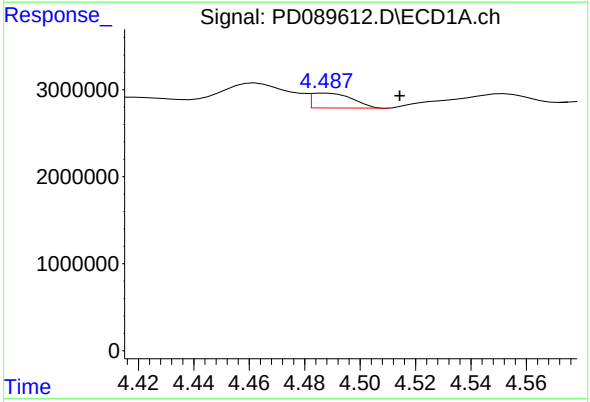
R.T.: 5.251 min
Delta R.T.: -0.018 min
Response: 4103922
Conc: 0.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-38-071725



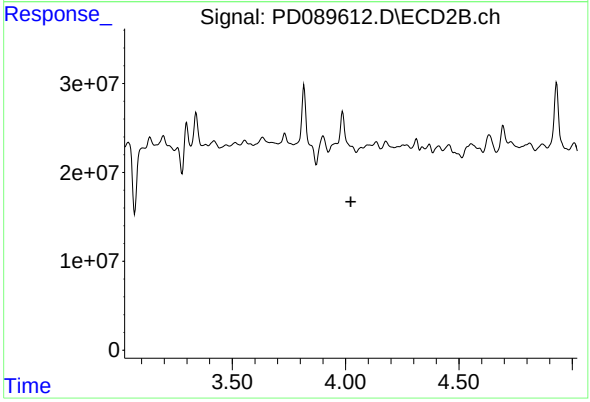
#5 Aldrin

R.T.: 4.370 min
Delta R.T.: 0.003 min
Response: 9298957
Conc: 0.34 ng/ml



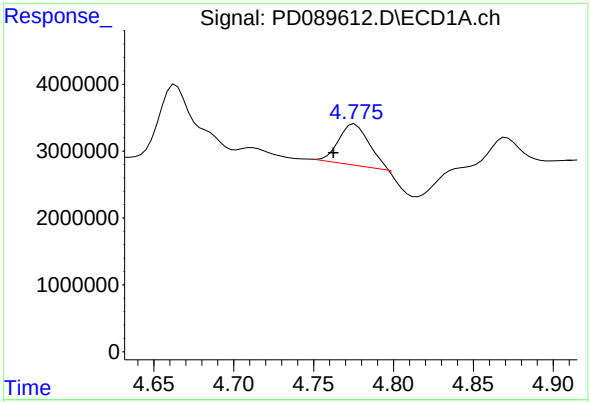
#6 beta-BHC

R.T.: 4.488 min
Delta R.T.: -0.026 min
Response: 1782160
Conc: 0.83 ng/ml



#6 beta-BHC

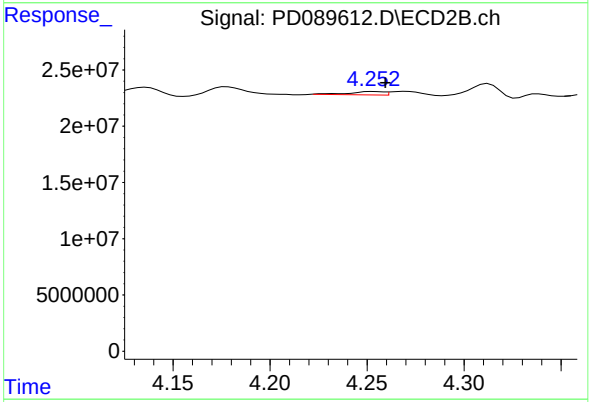
R.T.: 0.000 min
Exp R.T. : 4.023 min
Response: 0
Conc: N.D.



#7 delta-BHC

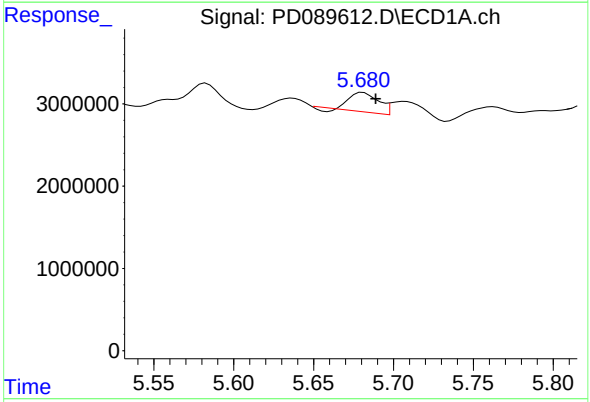
R.T.: 4.776 min
Delta R.T.: 0.013 min
Response: 7761973
Conc: 1.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-38-071725



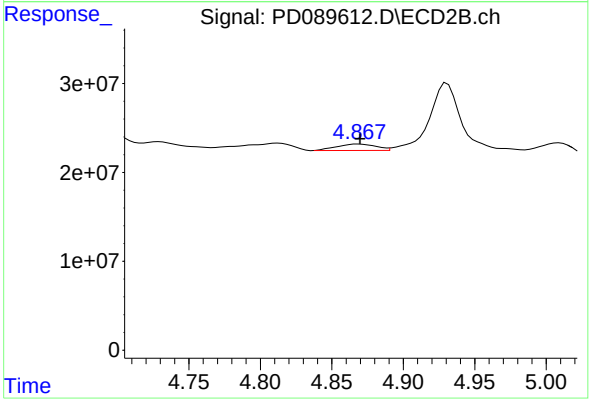
#7 delta-BHC

R.T.: 4.253 min
Delta R.T.: -0.006 min
Response: 3856024
Conc: 0.14 ng/ml



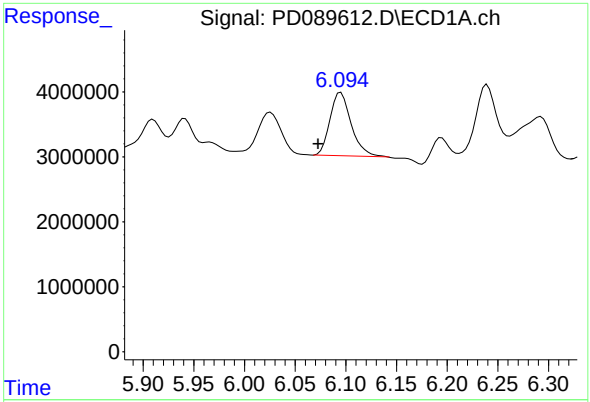
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.008 min
Response: 2817730
Conc: 0.60 ng/ml



#8 Heptachlor epoxide

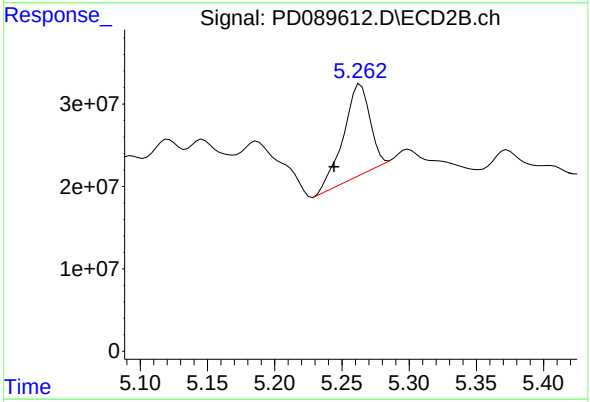
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 13798892
Conc: 0.56 ng/ml



#9 Endosulfan I

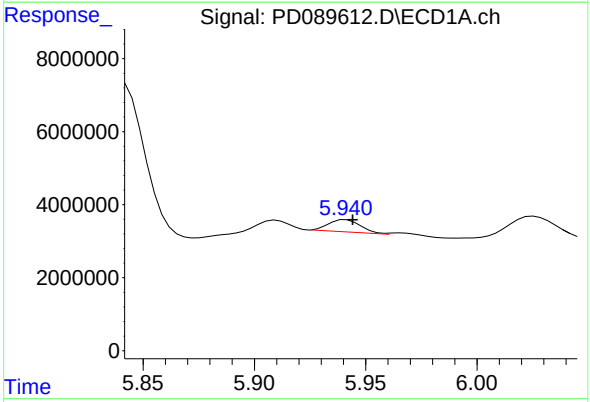
R.T.: 6.095 min
Delta R.T.: 0.022 min
Response: 13770220
Conc: 3.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-38-071725



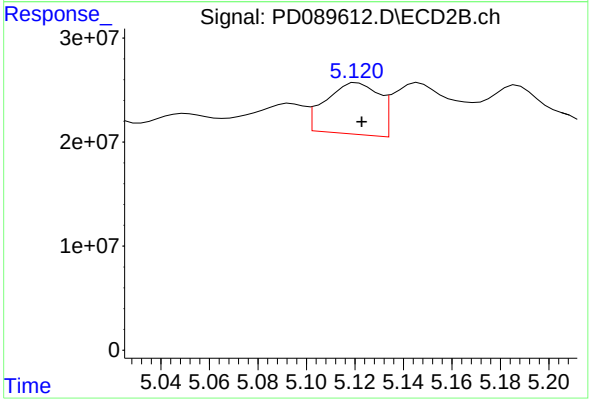
#9 Endosulfan I

R.T.: 5.264 min
Delta R.T.: 0.020 min
Response: 150294214
Conc: 6.33 ng/ml



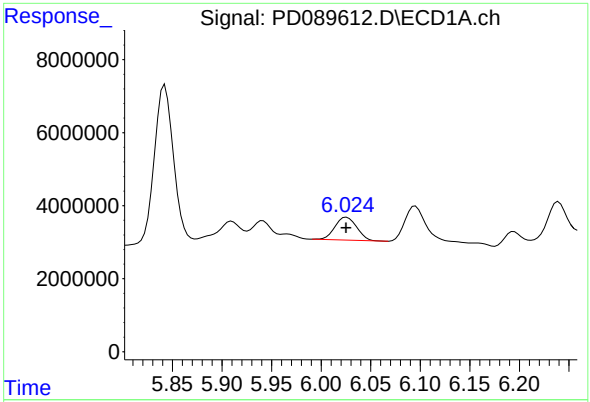
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: -0.003 min
Response: 3382364
Conc: 0.71 ng/ml



#10 gamma-Chlordane

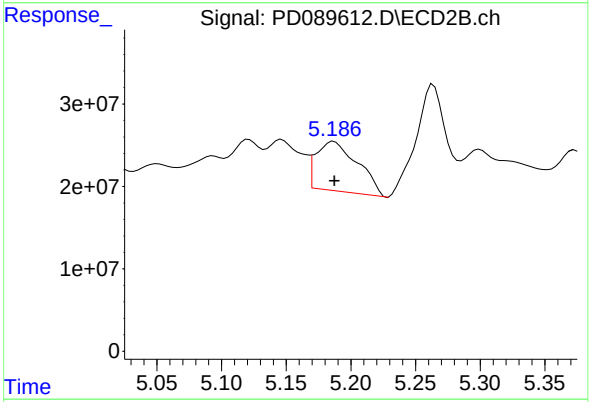
R.T.: 5.121 min
Delta R.T.: -0.002 min
Response: 75116357
Conc: 2.81 ng/ml



#11 alpha-Chlordane

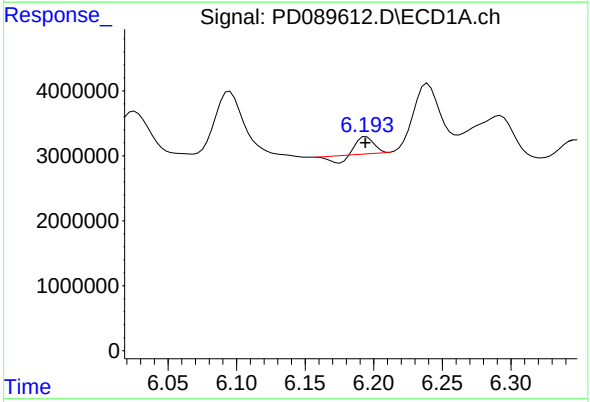
R.T.: 6.026 min
Delta R.T.: 0.000 min
Response: 9546625
Conc: 2.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-38-071725



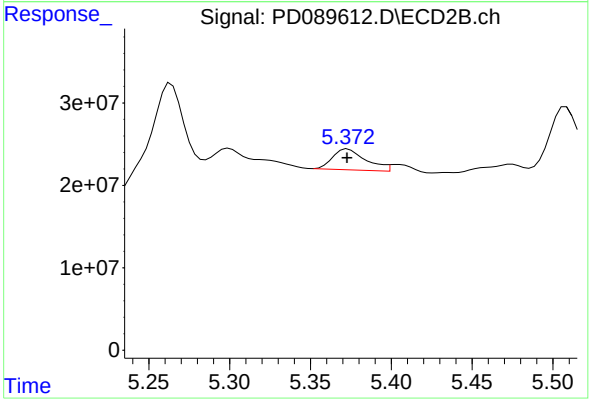
#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 134204911
Conc: 5.20 ng/ml



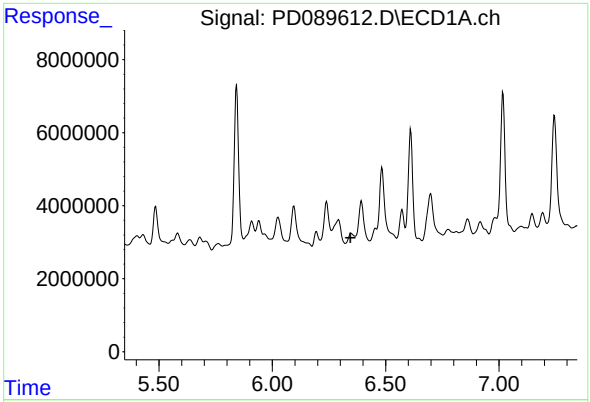
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 1531827
Conc: 0.36 ng/ml



#12 4,4'-DDE

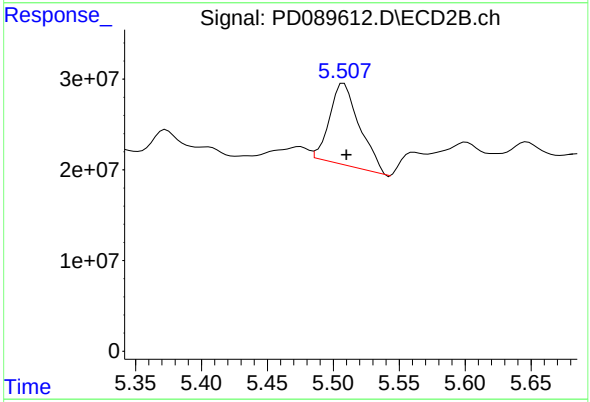
R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 36239625
Conc: 1.38 ng/ml



#13 Dieldrin

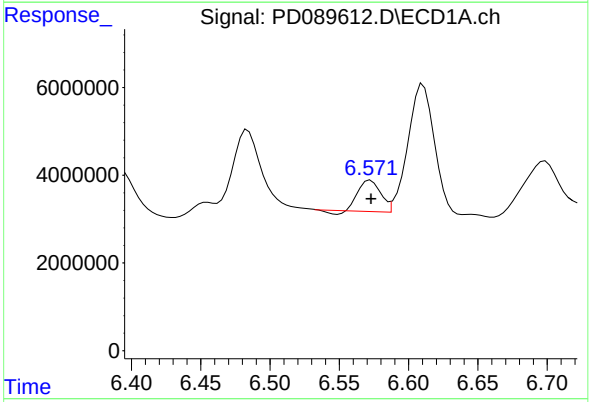
R.T.: 6.348 min
Delta R.T.: 0.003 min
Response: -1060104
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-38-071725



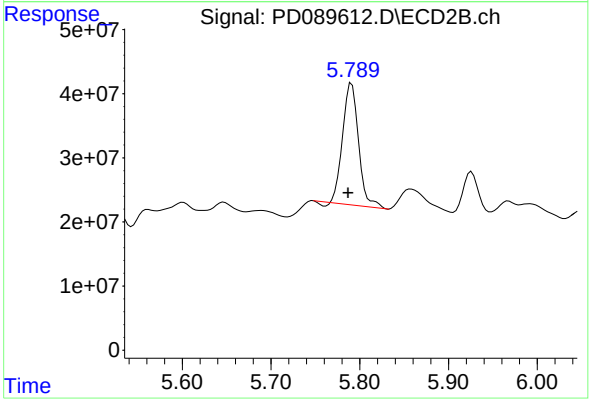
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: -0.002 min
Response: 141791933
Conc: 5.37 ng/ml



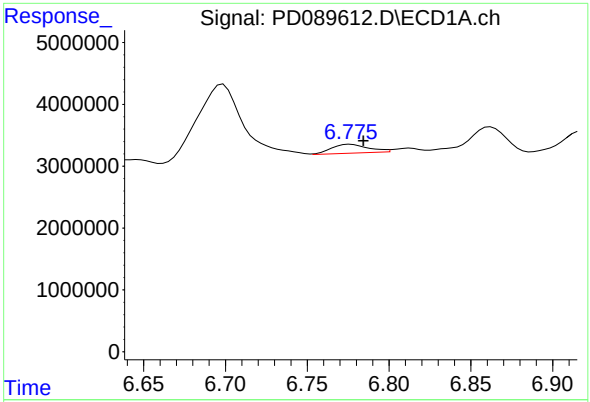
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 7729913
Conc: 1.90 ng/ml



#14 Endrin

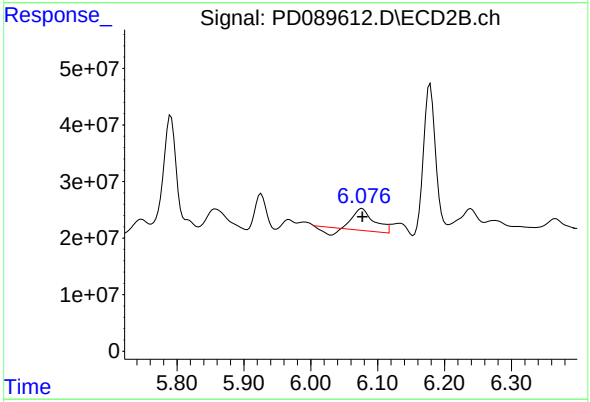
R.T.: 5.791 min
Delta R.T.: 0.004 min
Response: 234934885
Conc: 9.72 ng/ml



#15 Endosulfan II

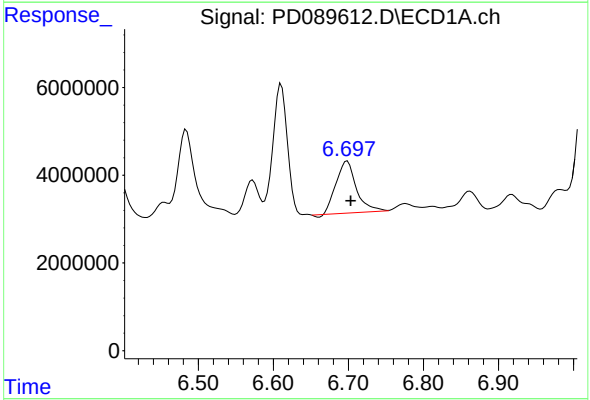
R.T.: 6.776 min
Delta R.T.: -0.008 min
Response: 2210605
Conc: 0.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-38-071725



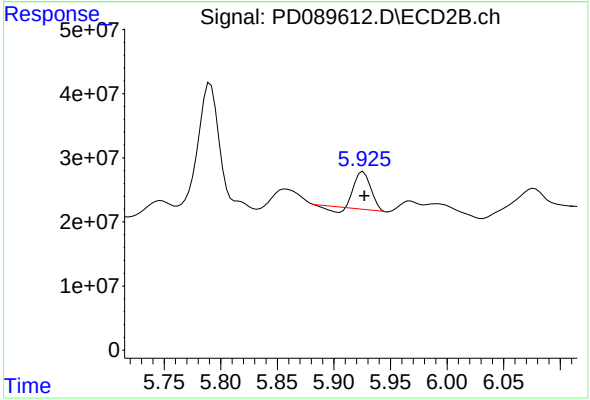
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 70346825
Conc: 3.06 ng/ml



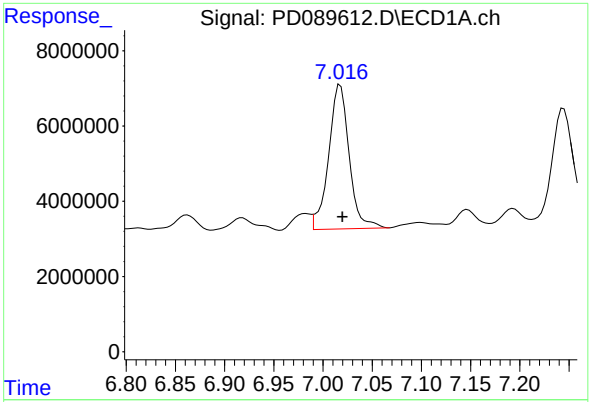
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.005 min
Response: 22219340
Conc: 6.56 ng/ml



#16 4,4'-DDD

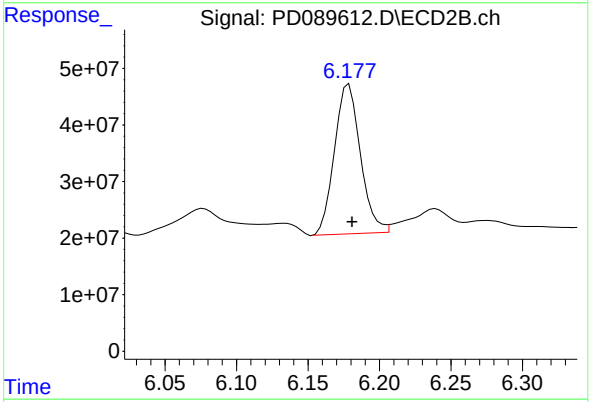
R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 54242735
Conc: 2.47 ng/ml



#17 4,4'-DDT

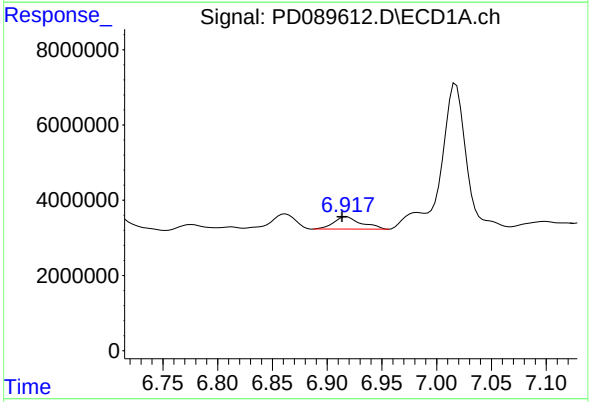
R.T.: 7.018 min
Delta R.T.: -0.002 min
Response: 55713529
Conc: 14.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-38-071725



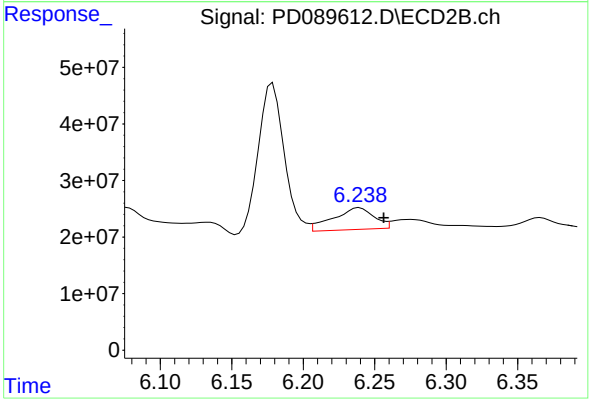
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 334284823
Conc: 14.28 ng/ml



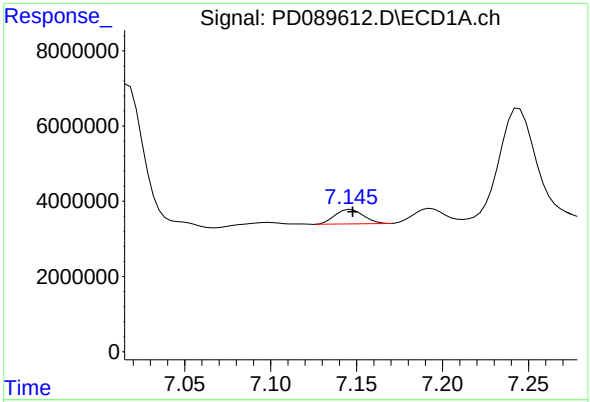
#18 Endrin aldehyde

R.T.: 6.918 min
Delta R.T.: 0.004 min
Response: 5758402
Conc: 1.98 ng/ml



#18 Endrin aldehyde

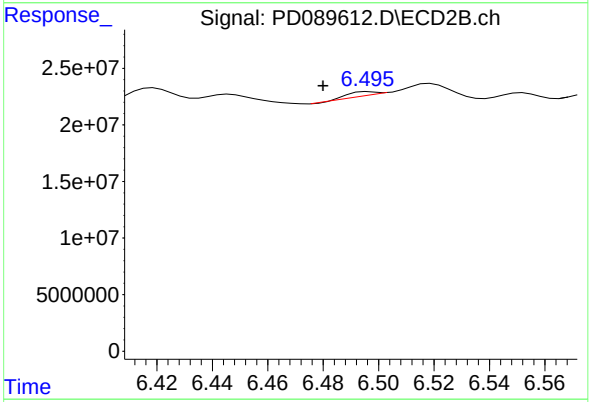
R.T.: 6.239 min
Delta R.T.: -0.017 min
Response: 76609530
Conc: 4.62 ng/ml



#19 Endosulfan Sulfate

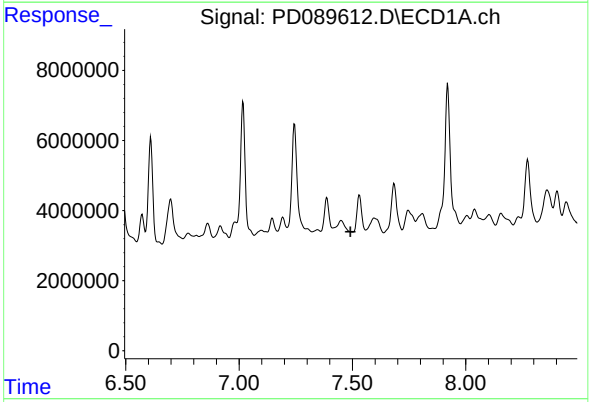
R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 4426732
Conc: 1.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-38-071725



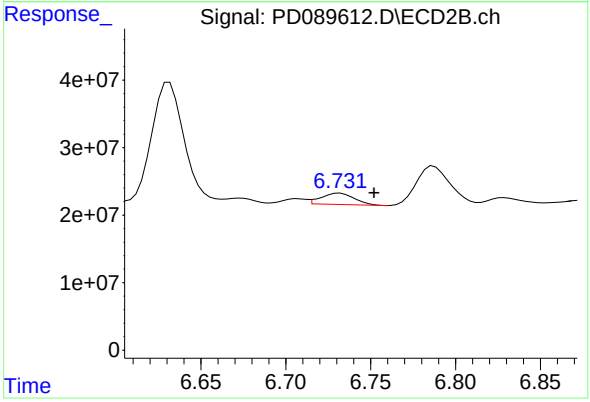
#19 Endosulfan Sulfate

R.T.: 6.497 min
Delta R.T.: 0.017 min
Response: 2047946
Conc: 0.09 ng/ml



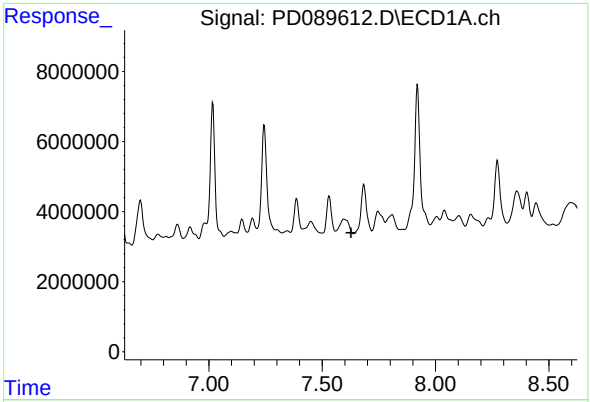
#20 Methoxychlor

R.T.: 0.000 min
Exp R.T. : 7.492 min
Response: 0
Conc: N.D.



#20 Methoxychlor

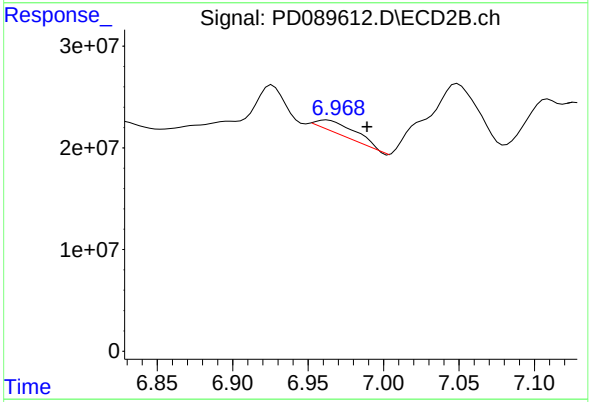
R.T.: 6.732 min
Delta R.T.: -0.020 min
Response: 23064573
Conc: 1.89 ng/ml



#21 Endrin ketone

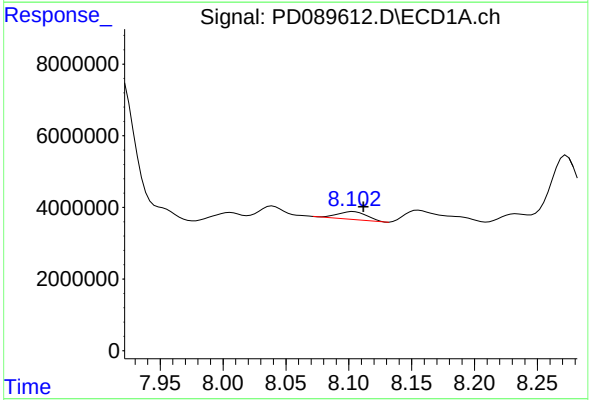
R.T.: 0.000 min
Exp R.T. : 7.628 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-38-071725



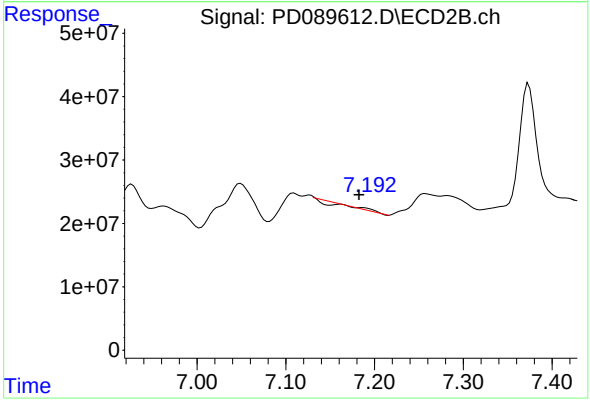
#21 Endrin ketone

R.T.: 6.963 min
Delta R.T.: -0.026 min
Response: 22143413
Conc: 0.90 ng/ml



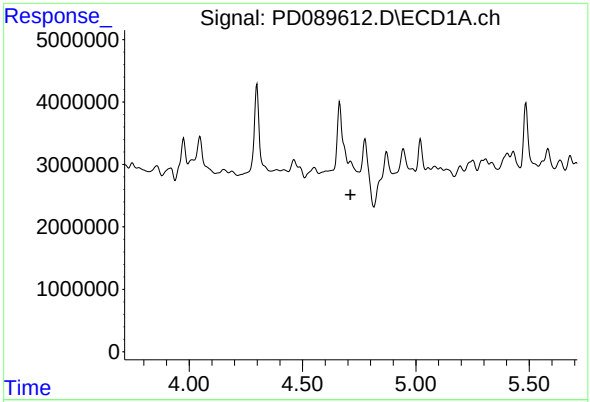
#22 Mirex

R.T.: 8.104 min
Delta R.T.: -0.008 min
Response: 3516567
Conc: 1.14 ng/ml



#22 Mirex

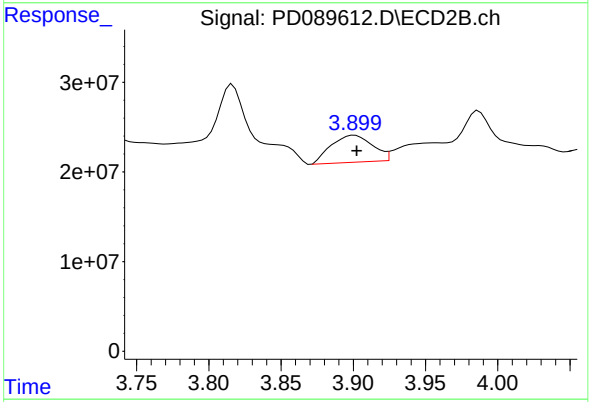
R.T.: 7.162 min
Delta R.T.: -0.020 min
Response: 1280032
Conc: 0.07 ng/ml



#23 Chlordane-1

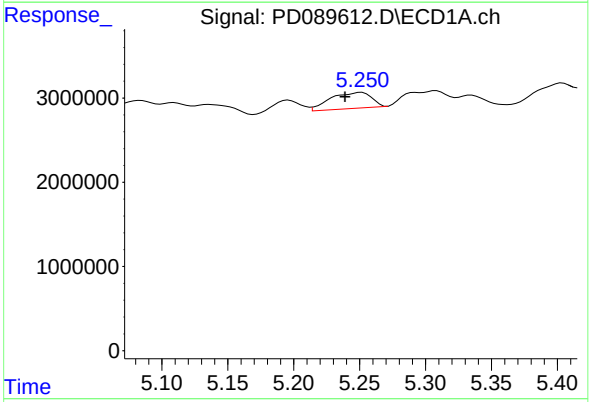
R.T.: 4.711 min
Delta R.T.: 0.000 min
Response: -2312033
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-38-071725



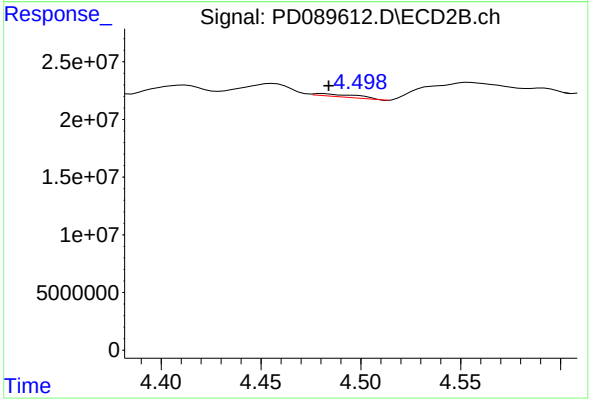
#23 Chlordane-1

R.T.: 3.901 min
Delta R.T.: -0.002 min
Response: 59986262
Conc: 64.59 ng/ml



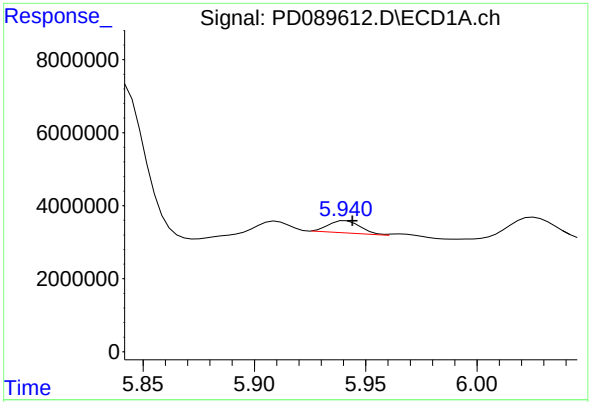
#24 Chlordane-2

R.T.: 5.251 min
Delta R.T.: 0.013 min
Response: 4103922
Conc: 20.41 ng/ml



#24 Chlordane-2

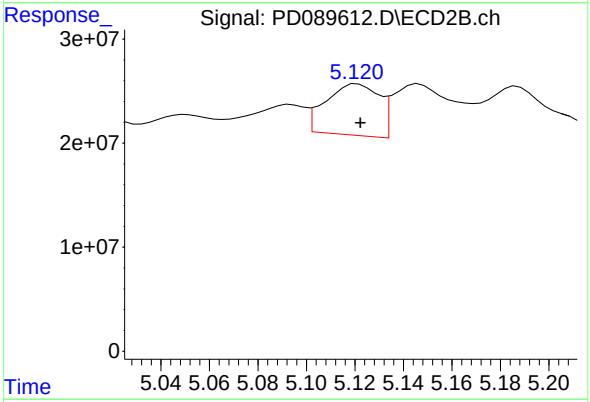
R.T.: 4.481 min
Delta R.T.: -0.003 min
Response: 3531713
Conc: 3.60 ng/ml



#25 Chlordane-3

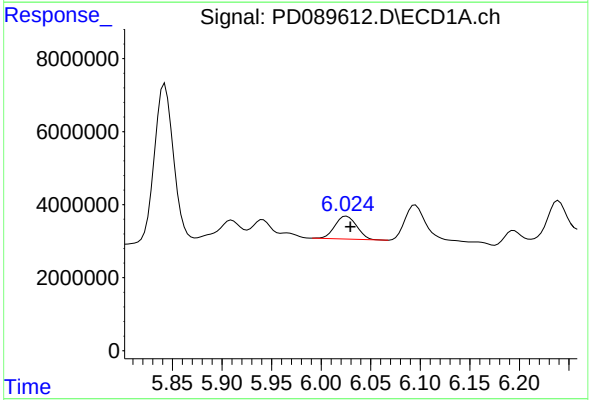
R.T.: 5.941 min
Delta R.T.: -0.003 min
Response: 3382364
Conc: 4.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-38-071725



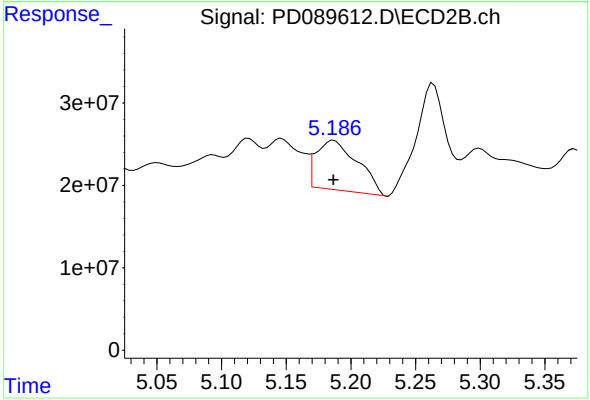
#25 Chlordane-3

R.T.: 5.121 min
Delta R.T.: -0.001 min
Response: 75116357
Conc: 26.02 ng/ml



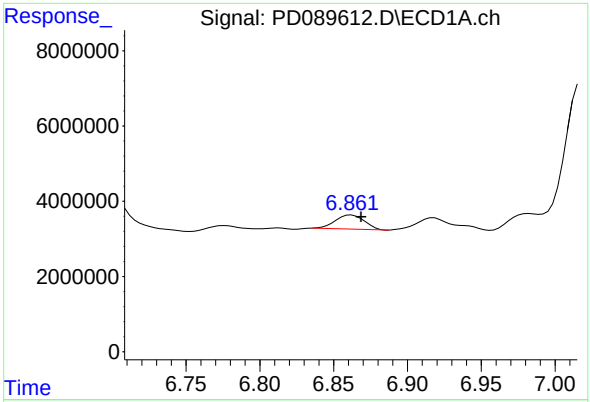
#26 Chlordane-4

R.T.: 6.026 min
Delta R.T.: -0.004 min
Response: 9546625
Conc: 10.06 ng/ml



#26 Chlordane-4

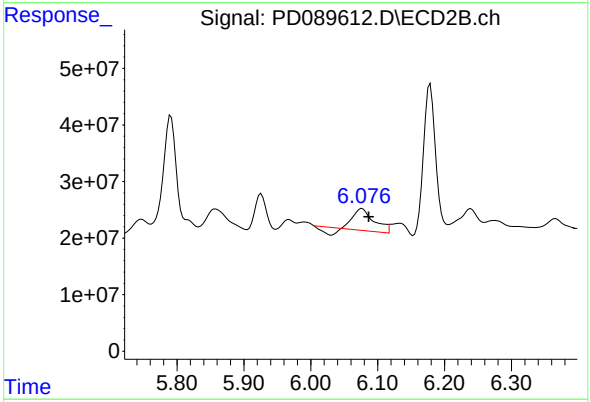
R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 134204911
Conc: 55.64 ng/ml



#27 Chlordane-5

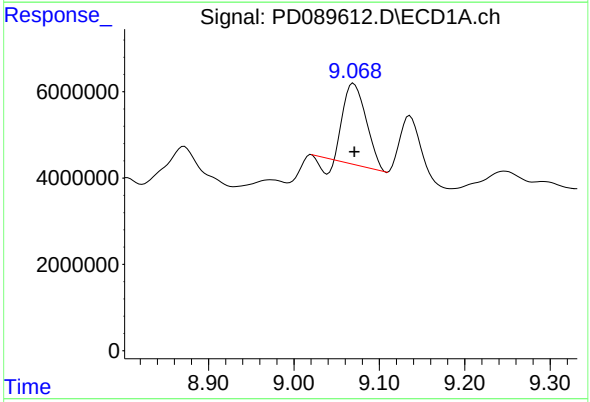
R.T.: 6.862 min
Delta R.T.: -0.006 min
Response: 5164698
Conc: 31.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-38-071725



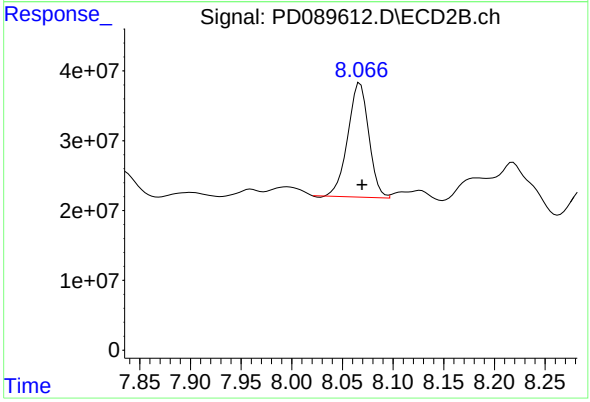
#27 Chlordane-5

R.T.: 6.077 min
Delta R.T.: -0.010 min
Response: 70346825
Conc: 60.21 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 32259841
Conc: 7.85 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.002 min
Response: 235332115
Conc: 9.58 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089613.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:10
Operator : AR\AJ
Sample : Q2639-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-39-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:14:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.879	46296597	594.5E6	16.068	30.386	#
28)	SA Decachlor...	9.071	8.067	32521170	249.2E6	7.918	10.145	#
	Target Compounds							
2)	A alpha-BHC	3.976f	3.382	4726071	51853149	0.828	1.726	#
3)	MA gamma-BHC...	4.339	3.733	3369152	15579436	0.611	0.561	
4)	MA Heptachlor	4.945f	4.070	7505282	5693143	1.376	0.203	#
5)	MB Aldrin	5.251f	4.367	5415460	10978459	1.035	0.401	#
6)	B beta-BHC	4.487f	0.000	1970954	0	0.914	N.D.	#
7)	B delta-BHC	4.777	4.254	3901526	4050299	0.738	0.145	#
8)	B Heptachlo...	5.681	4.867	1349216	13455594	0.286	0.541	#
9)	A Endosulfan I	6.095f	5.265f	14838750	167.2E6	3.338	7.043	#
10)	B gamma-Chl...	5.942	5.121	5837670	86514766	1.231	3.234	#
11)	B alpha-Chl...	6.027	5.187	10091364	143.0E6	2.117	5.543	#
12)	B 4,4'-DDE	6.196	5.373	970719	34950090	0.226	1.331	#
13)	MA Dieldrin	6.349	5.509	-1228760	145.8E6	N.D.	5.517	
14)	MA Endrin	6.573	5.789	8518776	33779336	2.092	1.397	#
15)	B Endosulfa...	6.777	6.078	2441236	75167204	0.600	3.273	#
16)	A 4,4'-DDD	6.698	5.926	21789325	42909296	6.430	1.957	#
17)	MA 4,4'-DDT	7.018	6.177	15265819	96211920	4.046	4.110	
18)	B Endrin al...	6.917	6.240f	6996402	98761038	2.400	5.950	#
19)	B Endosulfa...	7.145	6.498f	441425	10307678	0.117	0.464	#
20)	A Methoxychlor	0.000	6.733f	0	7206481	N.D.	0.591	#
22)	Mirex	0.000	7.190	0	7319946	N.D.	0.379	#
23)	Chlordane-1	4.712	3.901	-3562269	64173495	N.D.	69.102	
24)	Chlordane-2	5.251	4.482	5415460	2335209	26.931	2.382	#
25)	Chlordane-3	5.942	5.121	5837670	86514766	7.492	29.967	#
26)	Chlordane-4	6.027	5.187	10091364	143.0E6	10.631	59.266	#
27)	Chlordane-5	6.862	6.078	6655206	75167204	40.354	64.331	#

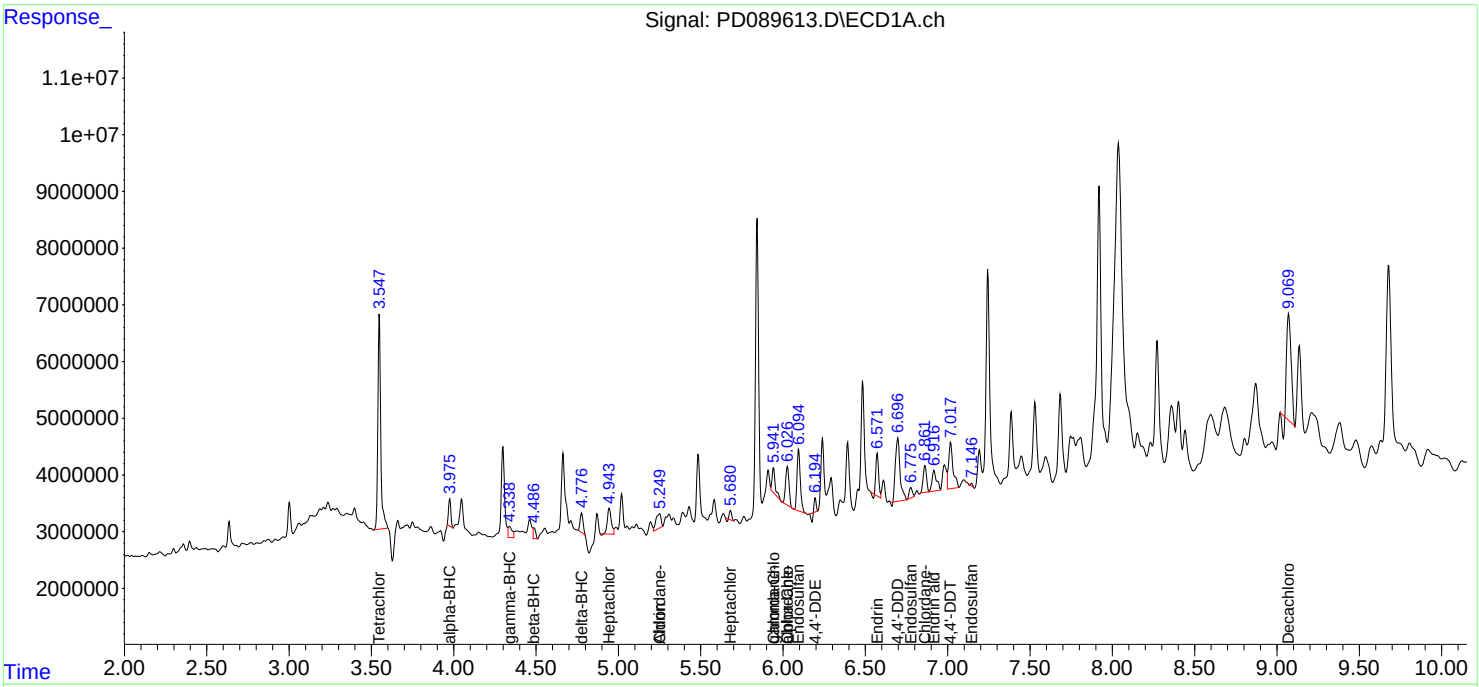
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

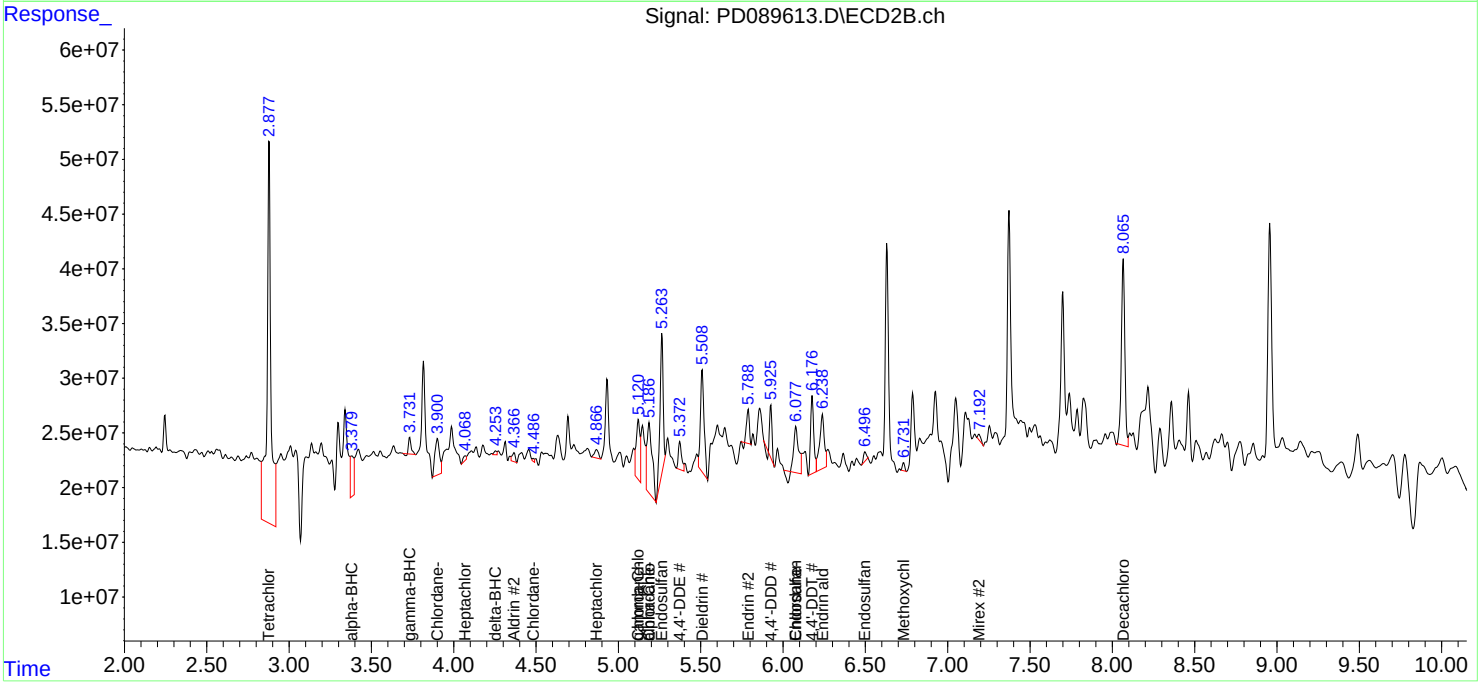
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089613.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:10
Operator : AR\AJ
Sample : Q2639-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

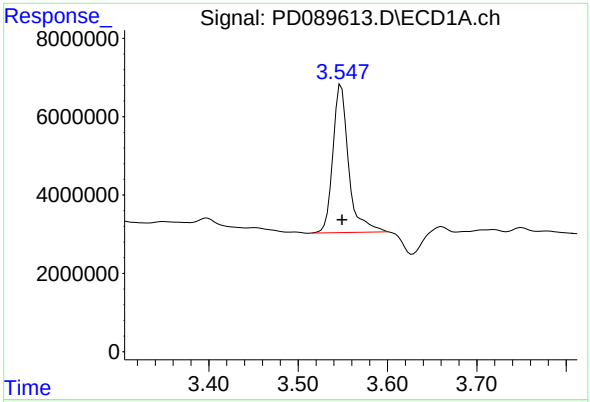
Instrument :
ECD_D
ClientSampleId :
OU4-TS-39-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:14:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



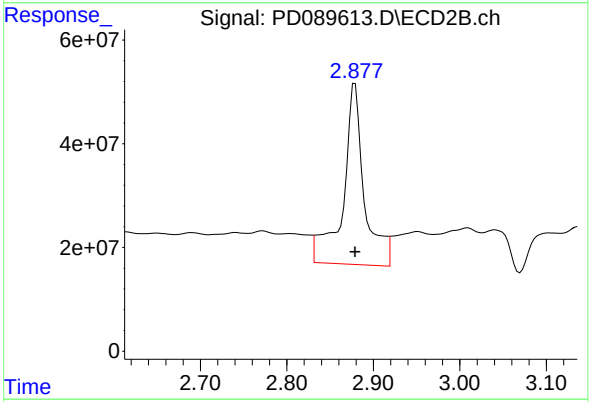




#1 Tetrachloro-m-xylene

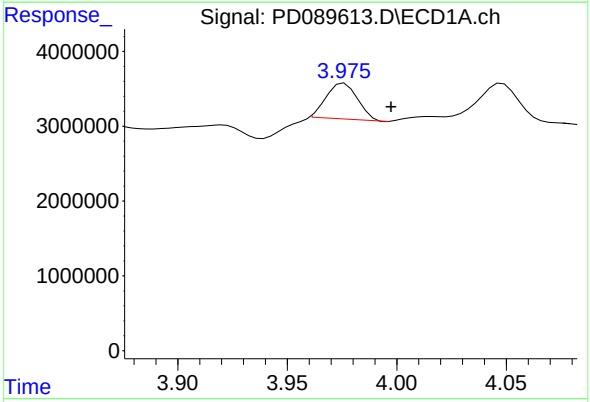
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 46296597
Conc: 16.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-39-071725



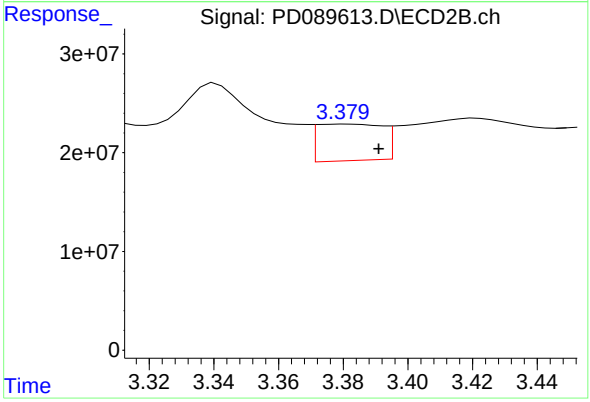
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 594527417
Conc: 30.39 ng/ml



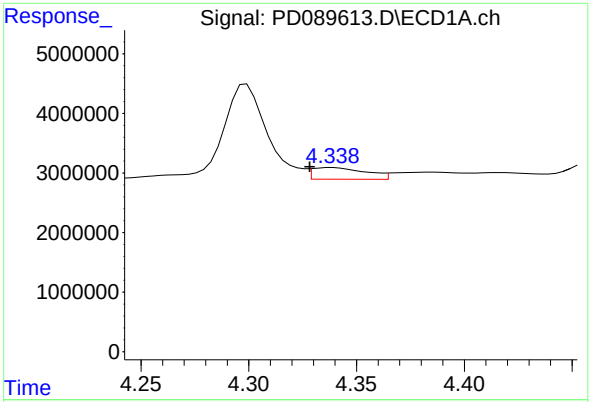
#2 alpha-BHC

R.T.: 3.976 min
Delta R.T.: -0.021 min
Response: 4726071
Conc: 0.83 ng/ml



#2 alpha-BHC

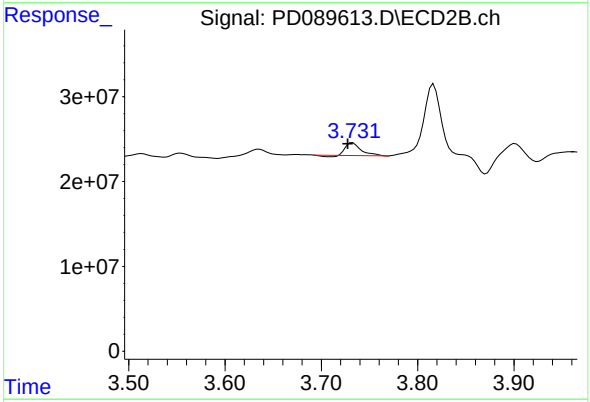
R.T.: 3.382 min
Delta R.T.: -0.009 min
Response: 51853149
Conc: 1.73 ng/ml



#3 gamma-BHC (Lindane)

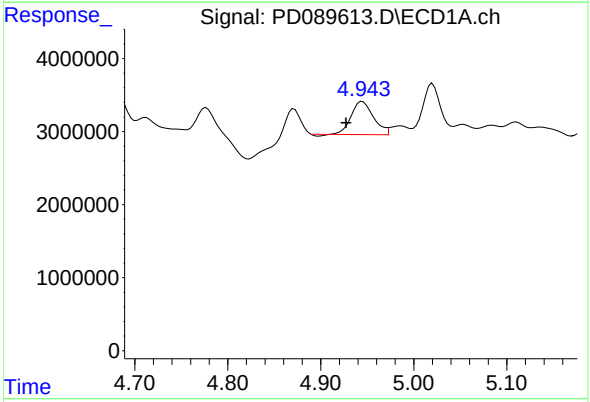
R.T.: 4.339 min
Delta R.T.: 0.011 min
Response: 3369152
Conc: 0.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-39-071725



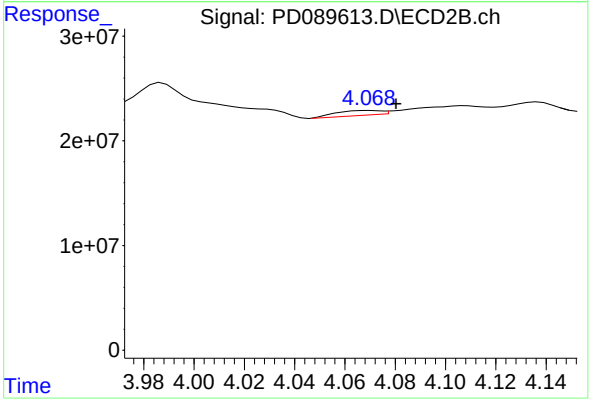
#3 gamma-BHC (Lindane)

R.T.: 3.733 min
Delta R.T.: 0.005 min
Response: 15579436
Conc: 0.56 ng/ml



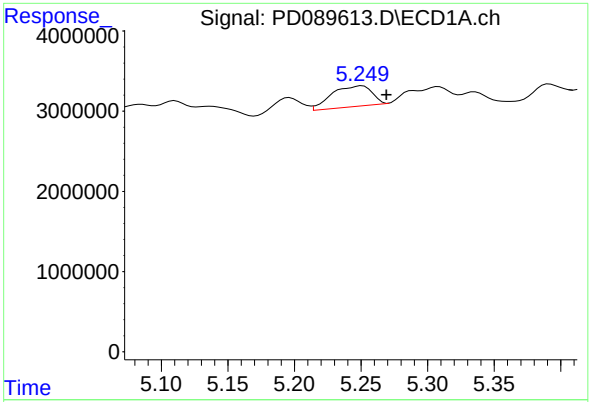
#4 Heptachlor

R.T.: 4.945 min
Delta R.T.: 0.018 min
Response: 7505282
Conc: 1.38 ng/ml



#4 Heptachlor

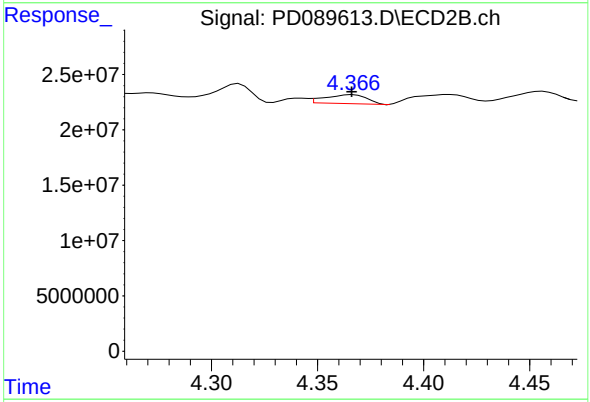
R.T.: 4.070 min
Delta R.T.: -0.011 min
Response: 5693143
Conc: 0.20 ng/ml



#5 Aldrin

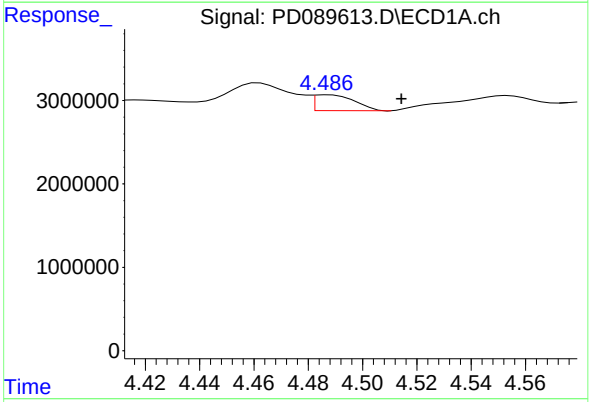
R.T.: 5.251 min
Delta R.T.: -0.018 min
Response: 5415460
Conc: 1.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-39-071725



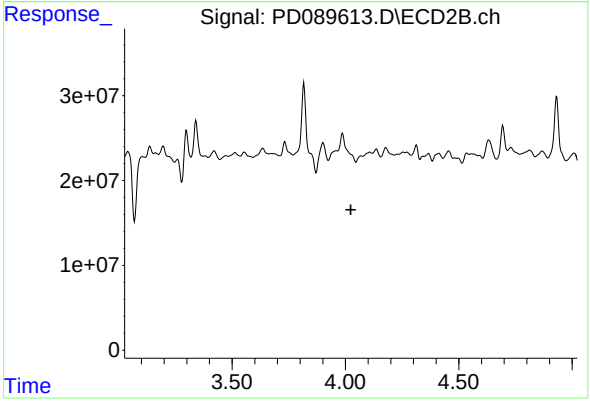
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: 0.000 min
Response: 10978459
Conc: 0.40 ng/ml



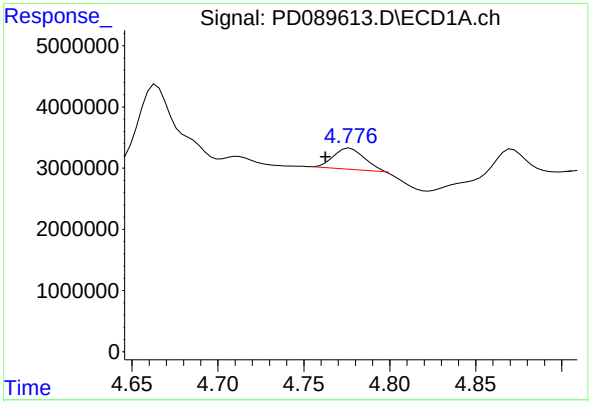
#6 beta-BHC

R.T.: 4.487 min
Delta R.T.: -0.027 min
Response: 1970954
Conc: 0.91 ng/ml



#6 beta-BHC

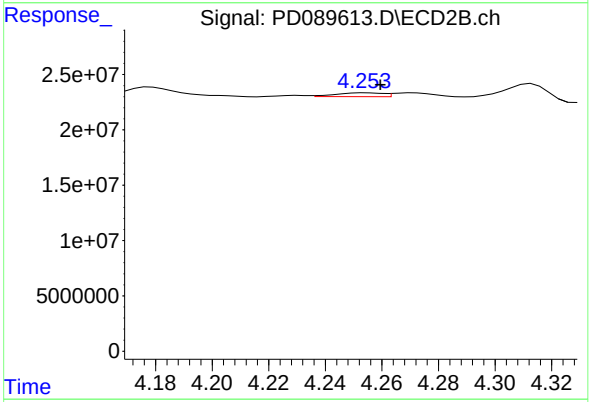
R.T.: 0.000 min
Exp R.T. : 4.023 min
Response: 0
Conc: N.D.



#7 delta-BHC

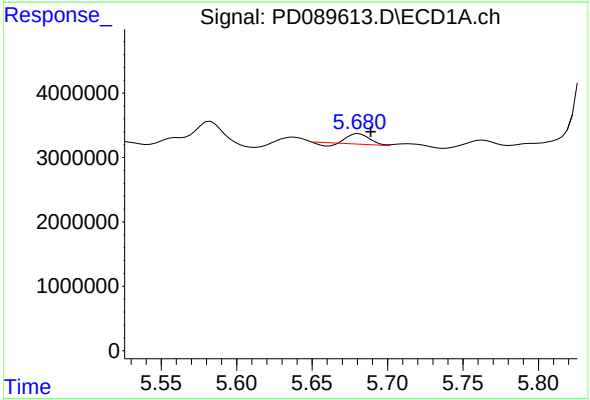
R.T.: 4.777 min
Delta R.T.: 0.014 min
Response: 3901526
Conc: 0.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-39-071725



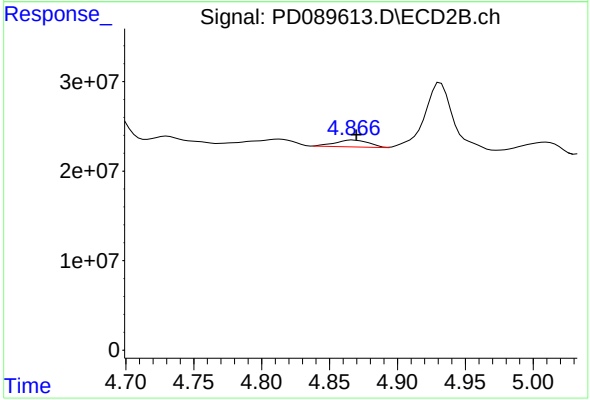
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: -0.005 min
Response: 4050299
Conc: 0.15 ng/ml



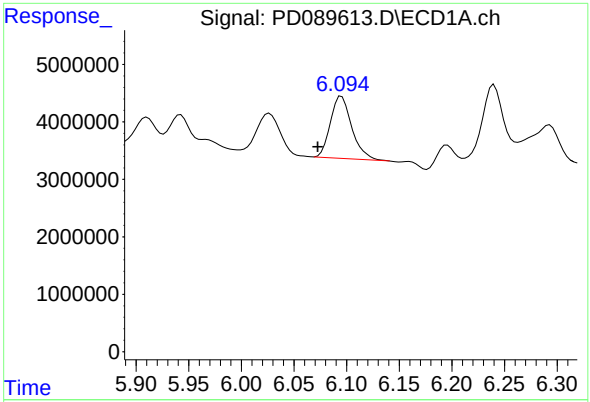
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.008 min
Response: 1349216
Conc: 0.29 ng/ml



#8 Heptachlor epoxide

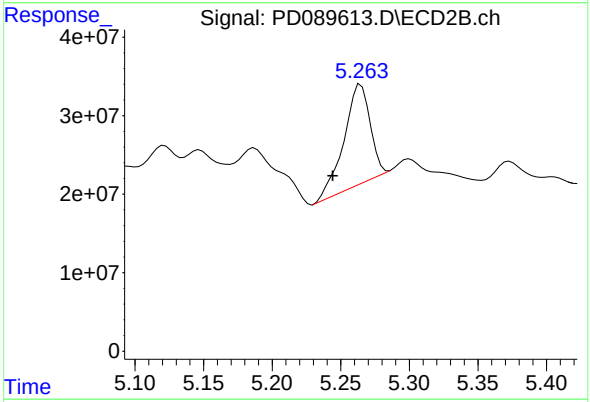
R.T.: 4.867 min
Delta R.T.: -0.003 min
Response: 13455594
Conc: 0.54 ng/ml



#9 Endosulfan I

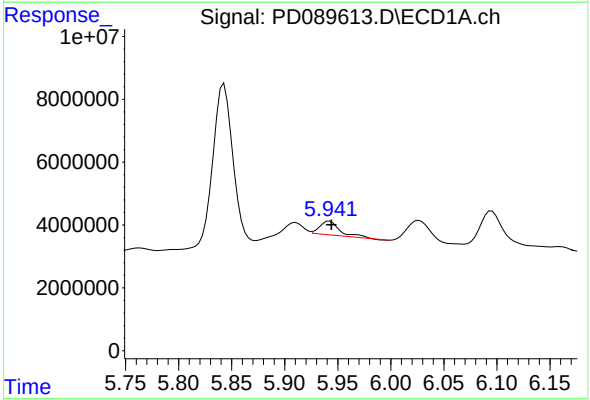
R.T.: 6.095 min
Delta R.T.: 0.022 min
Response: 14838750
Conc: 3.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-39-071725



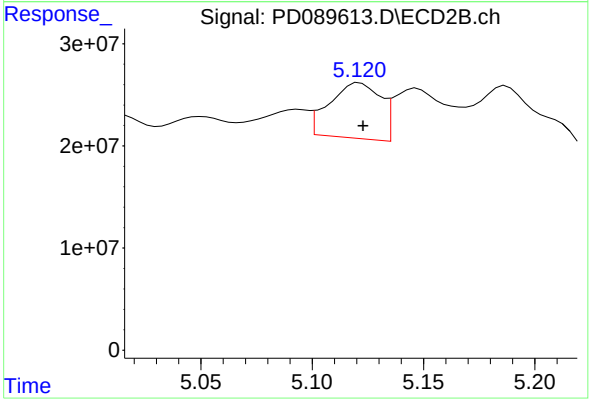
#9 Endosulfan I

R.T.: 5.265 min
Delta R.T.: 0.021 min
Response: 167249411
Conc: 7.04 ng/ml



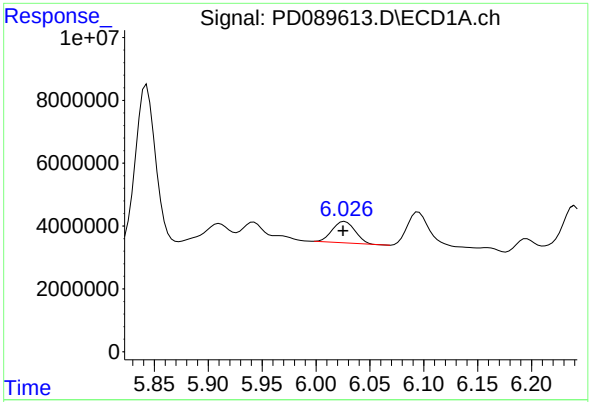
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: -0.002 min
Response: 5837670
Conc: 1.23 ng/ml



#10 gamma-Chlordane

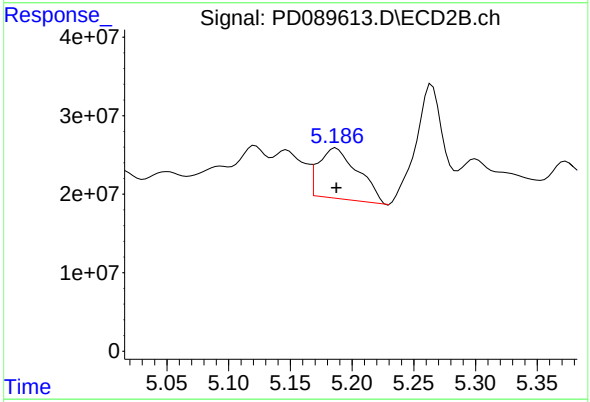
R.T.: 5.121 min
Delta R.T.: -0.001 min
Response: 86514766
Conc: 3.23 ng/ml



#11 alpha-Chlordane

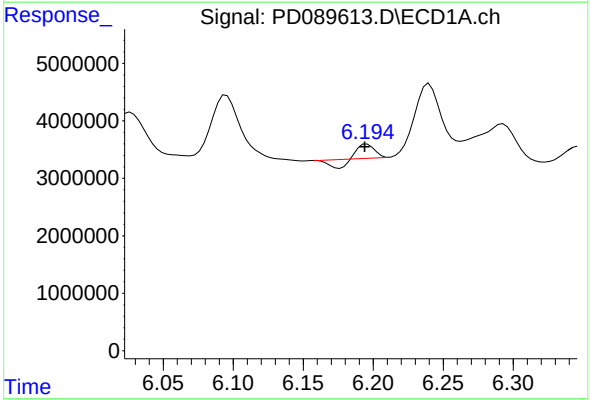
R.T.: 6.027 min
Delta R.T.: 0.001 min
Response: 10091364
Conc: 2.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-39-071725



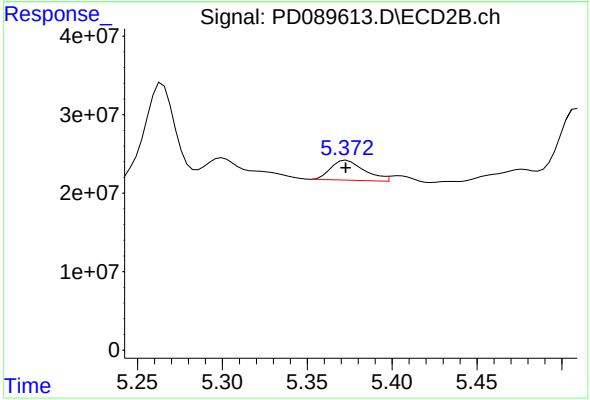
#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 142960383
Conc: 5.54 ng/ml



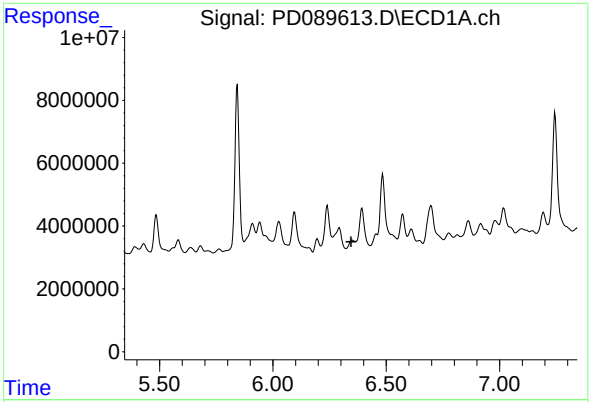
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.002 min
Response: 970719
Conc: 0.23 ng/ml



#12 4,4'-DDE

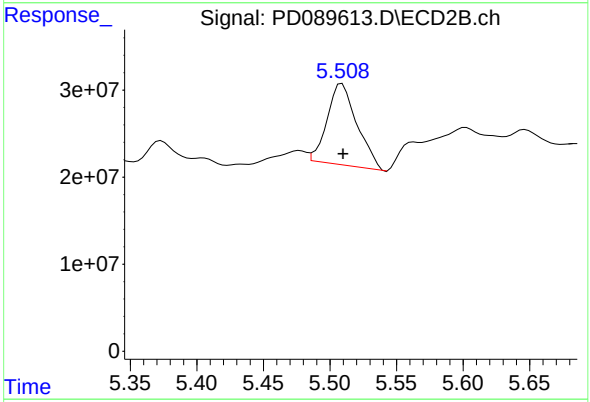
R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 34950090
Conc: 1.33 ng/ml



#13 Dieldrin

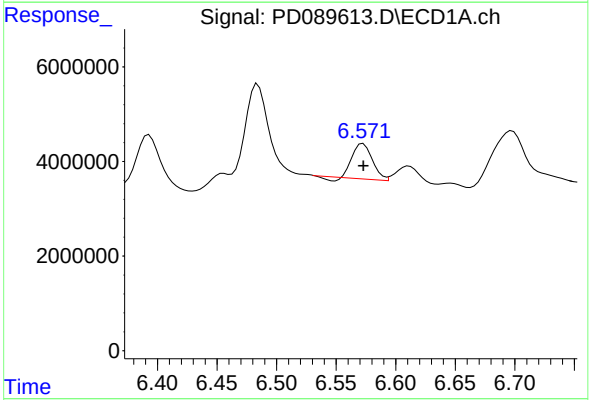
R.T.: 6.349 min
Delta R.T.: 0.004 min
Response: -1228760
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-39-071725



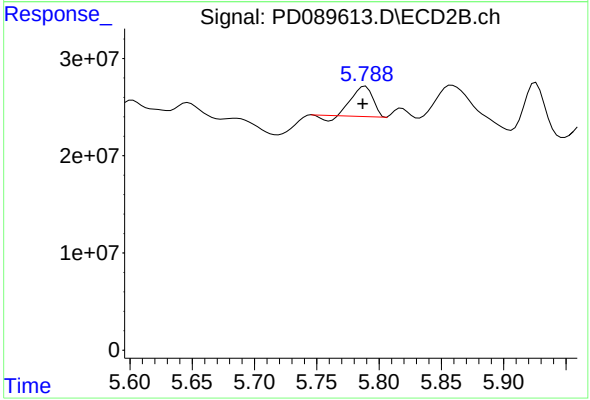
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: 0.000 min
Response: 145787256
Conc: 5.52 ng/ml



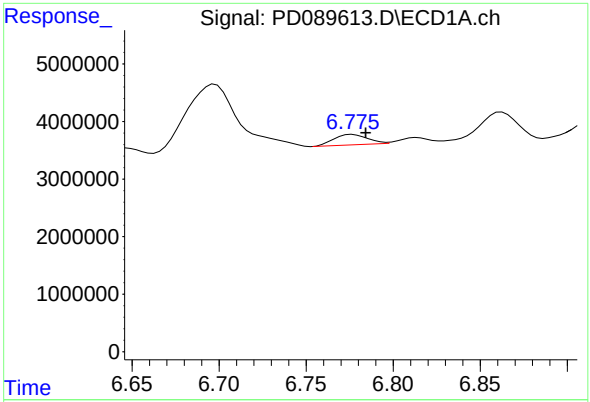
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 8518776
Conc: 2.09 ng/ml



#14 Endrin

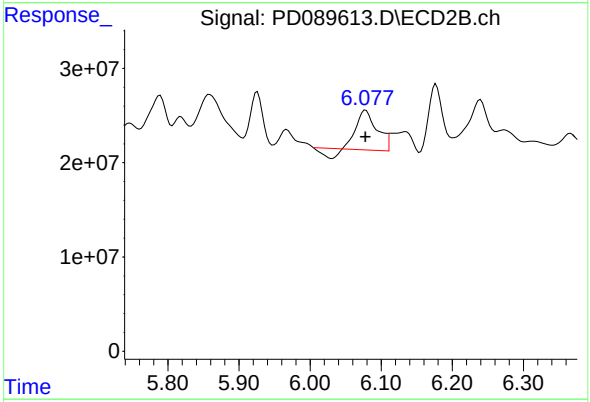
R.T.: 5.789 min
Delta R.T.: 0.002 min
Response: 33779336
Conc: 1.40 ng/ml



#15 Endosulfan II

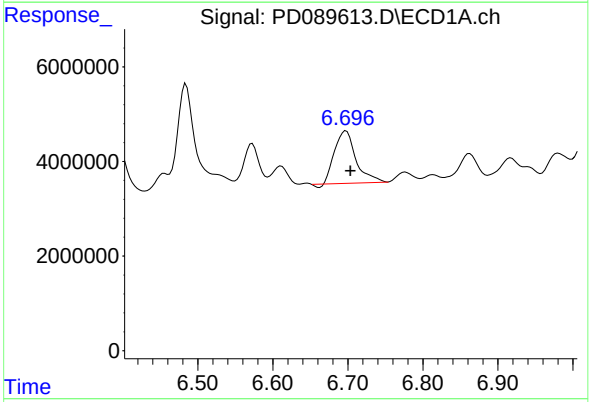
R.T.: 6.777 min
Delta R.T.: -0.008 min
Response: 2441236
Conc: 0.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-39-071725



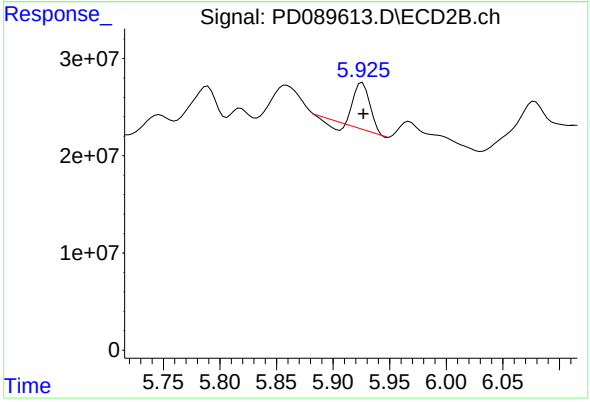
#15 Endosulfan II

R.T.: 6.078 min
Delta R.T.: 0.000 min
Response: 75167204
Conc: 3.27 ng/ml



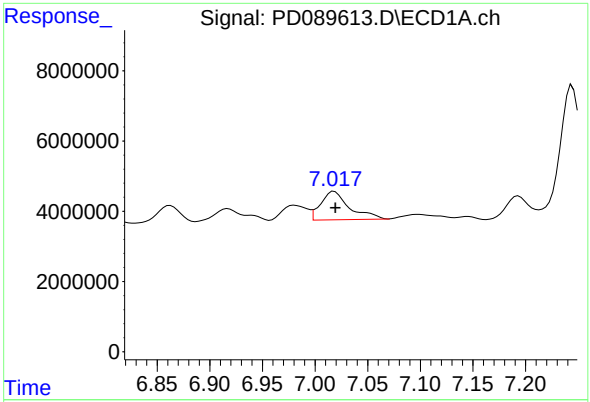
#16 4,4'-DDD

R.T.: 6.698 min
Delta R.T.: -0.006 min
Response: 21789325
Conc: 6.43 ng/ml



#16 4,4'-DDD

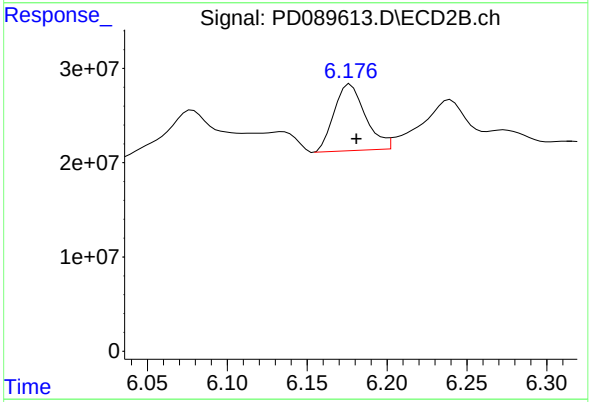
R.T.: 5.926 min
Delta R.T.: -0.001 min
Response: 42909296
Conc: 1.96 ng/ml



#17 4,4'-DDT

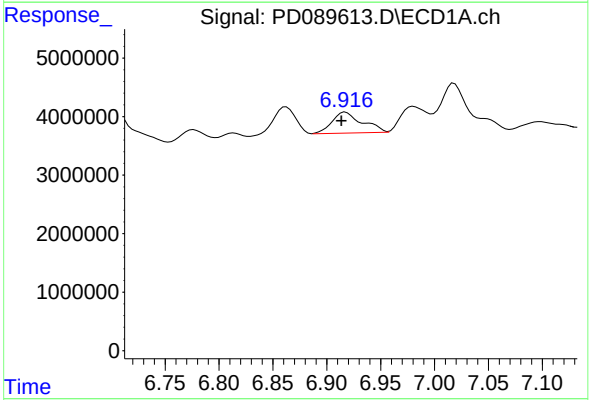
R.T.: 7.018 min
Delta R.T.: -0.001 min
Response: 15265819
Conc: 4.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-39-071725



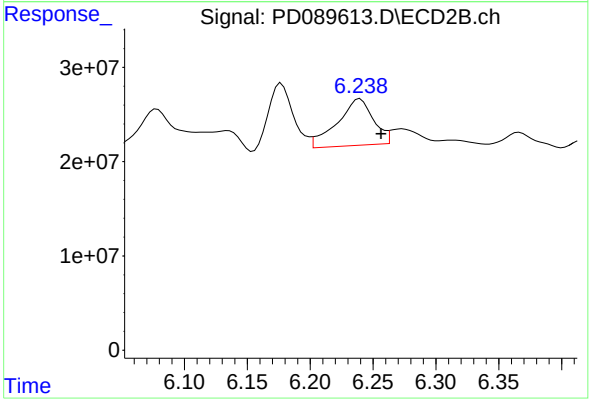
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: -0.004 min
Response: 96211920
Conc: 4.11 ng/ml



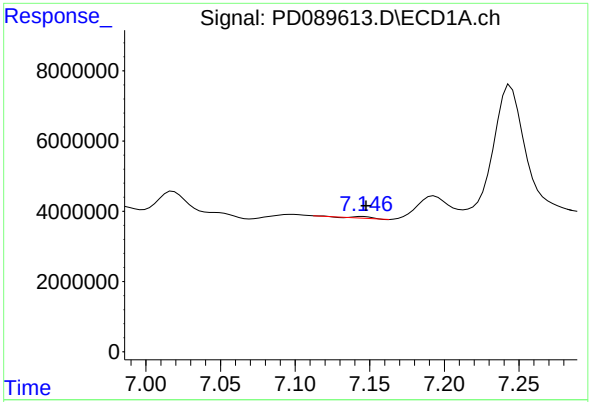
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.004 min
Response: 6996402
Conc: 2.40 ng/ml



#18 Endrin aldehyde

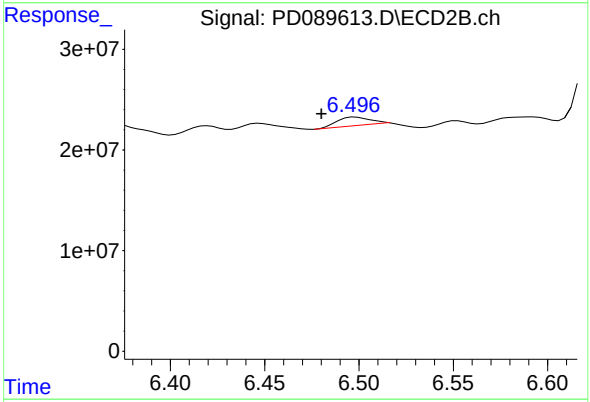
R.T.: 6.240 min
Delta R.T.: -0.017 min
Response: 98761038
Conc: 5.95 ng/ml



#19 Endosulfan Sulfate

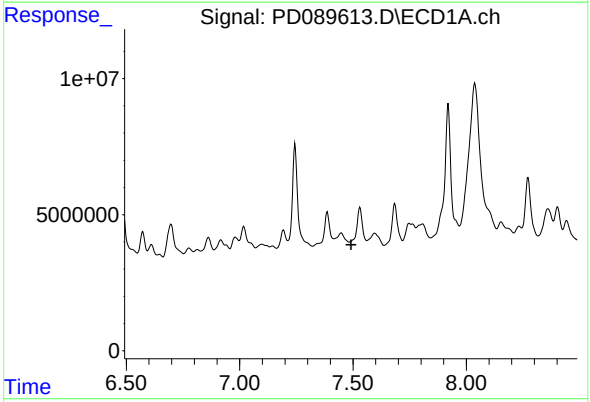
R.T.: 7.145 min
Delta R.T.: -0.002 min
Response: 441425
Conc: 0.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-39-071725



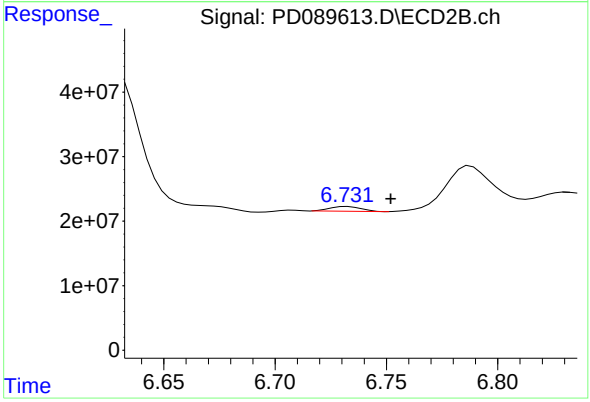
#19 Endosulfan Sulfate

R.T.: 6.498 min
Delta R.T.: 0.018 min
Response: 10307678
Conc: 0.46 ng/ml



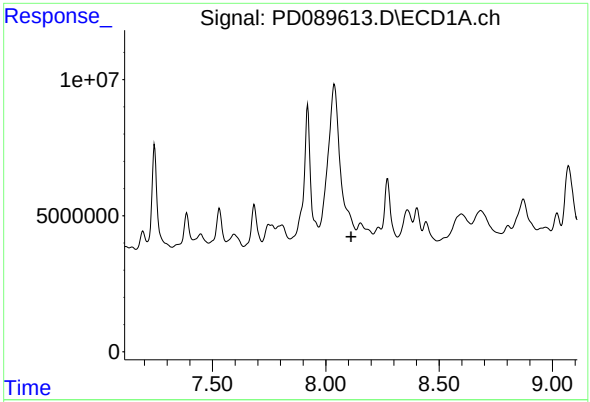
#20 Methoxychlor

R.T.: 0.000 min
Exp R.T. : 7.492 min
Response: 0
Conc: N.D.



#20 Methoxychlor

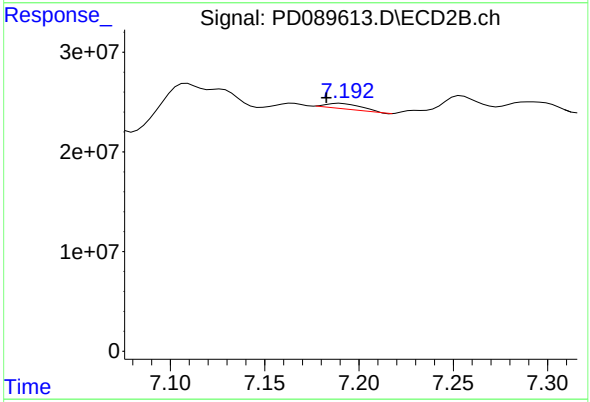
R.T.: 6.733 min
Delta R.T.: -0.019 min
Response: 7206481
Conc: 0.59 ng/ml



#22 Mirex

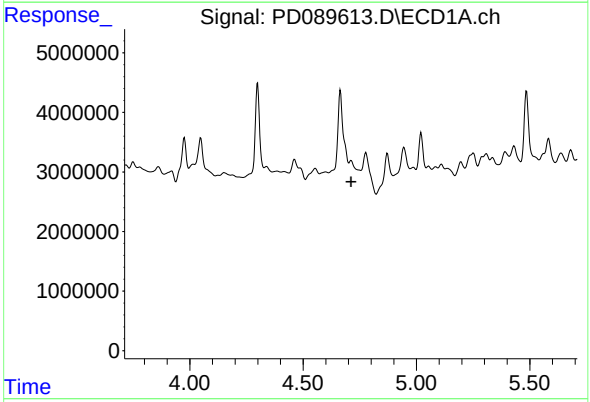
R.T.: 0.000 min
Exp R.T. : 8.112 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-39-071725



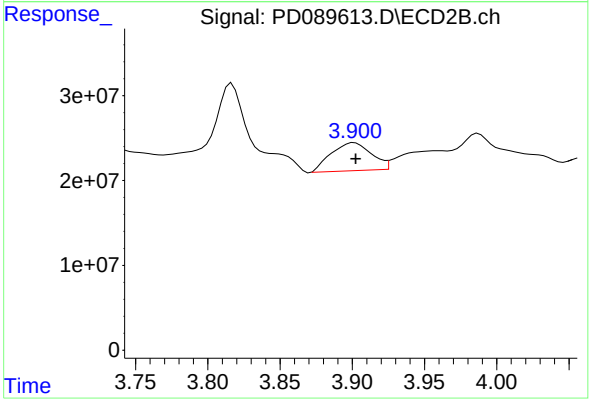
#22 Mirex

R.T.: 7.190 min
Delta R.T.: 0.007 min
Response: 7319946
Conc: 0.38 ng/ml



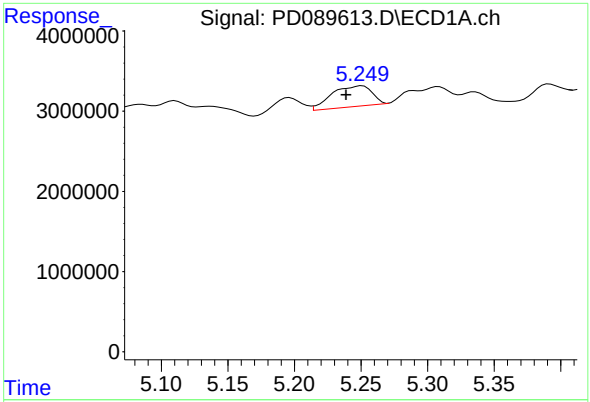
#23 Chlordane-1

R.T.: 4.712 min
Delta R.T.: 0.000 min
Response: -3562269
Conc: N.D.



#23 Chlordane-1

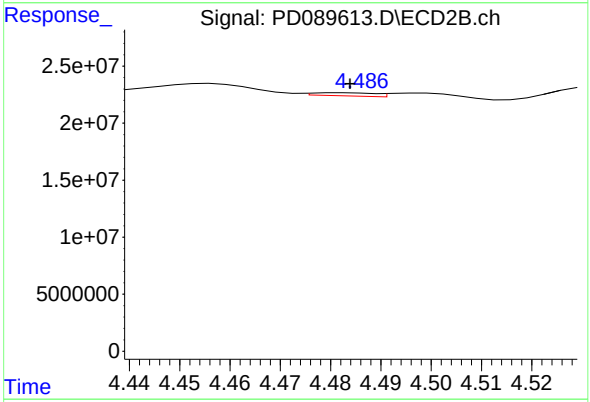
R.T.: 3.901 min
Delta R.T.: 0.000 min
Response: 64173495
Conc: 69.10 ng/ml



#24 Chlordane-2

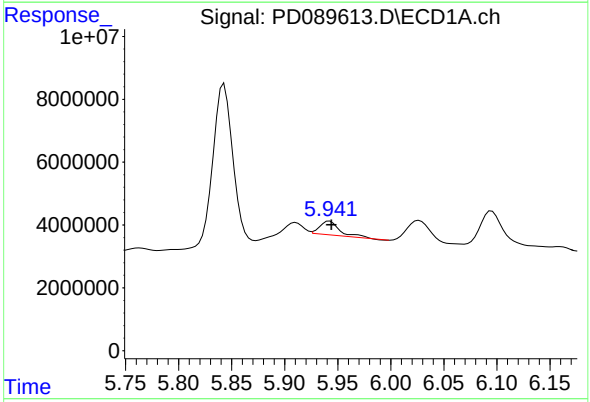
R.T.: 5.251 min
Delta R.T.: 0.012 min
Response: 5415460
Conc: 26.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-39-071725



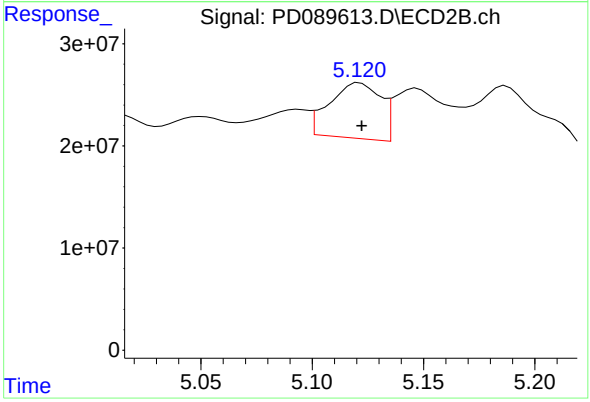
#24 Chlordane-2

R.T.: 4.482 min
Delta R.T.: -0.001 min
Response: 2335209
Conc: 2.38 ng/ml



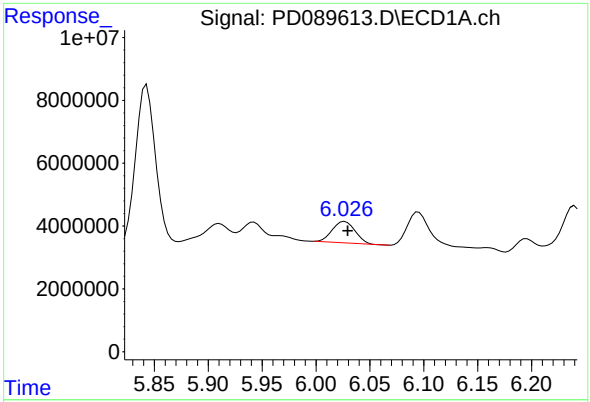
#25 Chlordane-3

R.T.: 5.942 min
Delta R.T.: -0.002 min
Response: 5837670
Conc: 7.49 ng/ml



#25 Chlordane-3

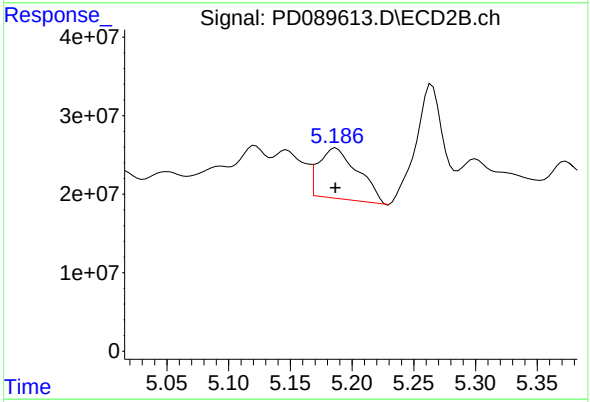
R.T.: 5.121 min
Delta R.T.: 0.000 min
Response: 86514766
Conc: 29.97 ng/ml



#26 Chlordane-4

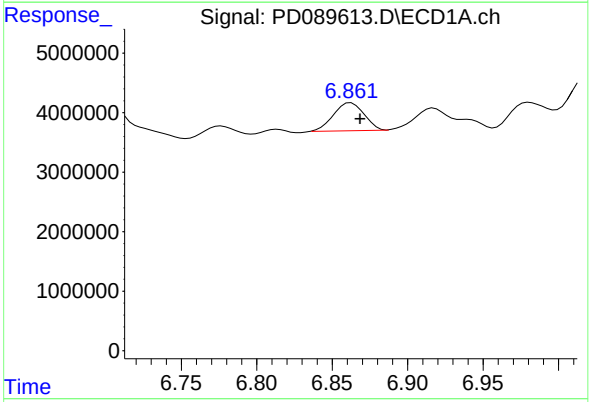
R.T.: 6.027 min
Delta R.T.: -0.003 min
Response: 10091364
Conc: 10.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-39-071725



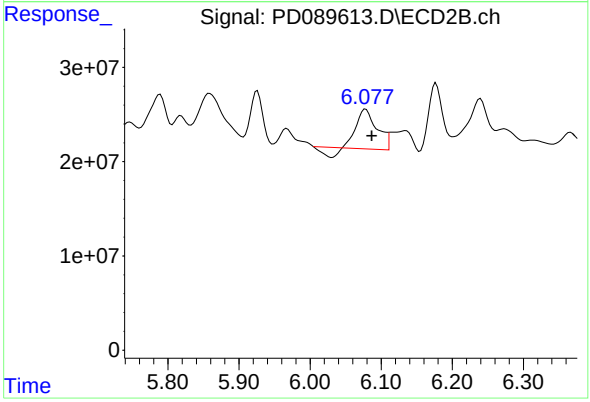
#26 Chlordane-4

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 142960383
Conc: 59.27 ng/ml



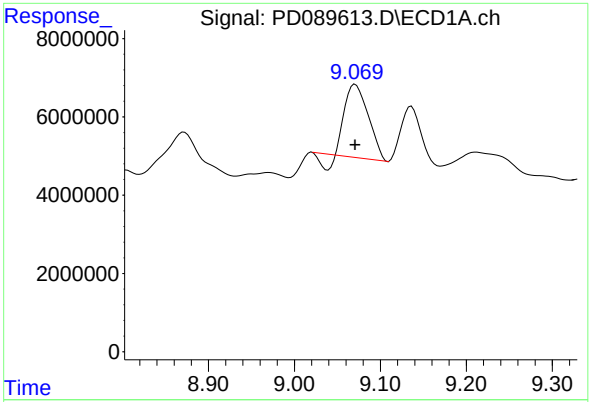
#27 Chlordane-5

R.T.: 6.862 min
Delta R.T.: -0.006 min
Response: 6655206
Conc: 40.35 ng/ml



#27 Chlordane-5

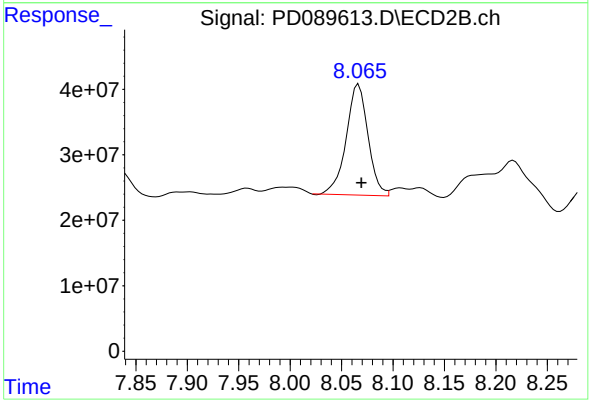
R.T.: 6.078 min
Delta R.T.: -0.009 min
Response: 75167204
Conc: 64.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 32521170
Conc: 7.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-39-071725



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.003 min
Response: 249240902
Conc: 10.14 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:24
Operator : AR\AJ
Sample : Q2639-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-40-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:14:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.879	45931223	561.5E6	15.941	28.697	#
28)	SA Decachlor...	9.071	8.066	28634739	230.0E6	6.972	9.362	#
	Target Compounds							
2)	A alpha-BHC	3.976f	3.381	4601219	52622109	0.806	1.751	#
3)	MA gamma-BHC...	4.335	3.732	2195832	14130061	0.398	0.509	#
4)	MA Heptachlor	4.944f	4.092	7608795	8801143	1.395	0.314	#
5)	MB Aldrin	5.251f	4.368	4895775	8581959	0.936	0.313	#
6)	B beta-BHC	4.488f	0.000	1844144	0	0.855	N.D.	#
7)	B delta-BHC	4.776	4.254	6246720	4108711	1.182	0.147	#
8)	B Heptachlo...	5.684	4.868	12550692	10669286	2.657	0.429	#
9)	A Endosulfan I	6.095f	5.264f	12855111	151.6E6	2.892	6.384	#
10)	B gamma-Chl...	5.941	5.121	4528535	92695584	0.955	3.465	#
11)	B alpha-Chl...	6.027	5.186	8720142	124.0E6	1.829	4.806	#
12)	B 4,4'-DDE	6.195	5.373	1033819	28138204	0.241	1.072	#
13)	MA Dieldrin	6.348	5.508	-1955307	126.1E6	N.D.	4.771	
14)	MA Endrin	6.572	5.788	7874396	25850297	1.934	1.069	#
15)	B Endosulfa...	6.774	6.077	1875787	77391069	0.461	3.370	#
16)	A 4,4'-DDD	6.697	5.925	19366377	39787023	5.715	1.815	#
17)	MA 4,4'-DDT	7.018	6.177	12287711	96729100	3.257	4.132	#
18)	B Endrin al...	6.918	6.272f	7520912	19258375	2.580	1.160	#
19)	B Endosulfa...	7.145	6.498f	25073	19367763	0.007	0.872	#
22)	Mirex	0.000	7.192	0	12797199	N.D.	0.662	#
23)	Chlordane-1	4.711	3.901	-3132097	59319473	N.D.	63.876	
24)	Chlordane-2	5.251	4.483	4895775	1539049	24.346	1.570	#
25)	Chlordane-3	5.941	5.121	4528535	92695584	5.812	32.108	#
26)	Chlordane-4	6.027	5.186	8720142	124.0E6	9.186	51.388	#
27)	Chlordane-5	6.862	6.077	6084888	77391069	36.896	66.234	#

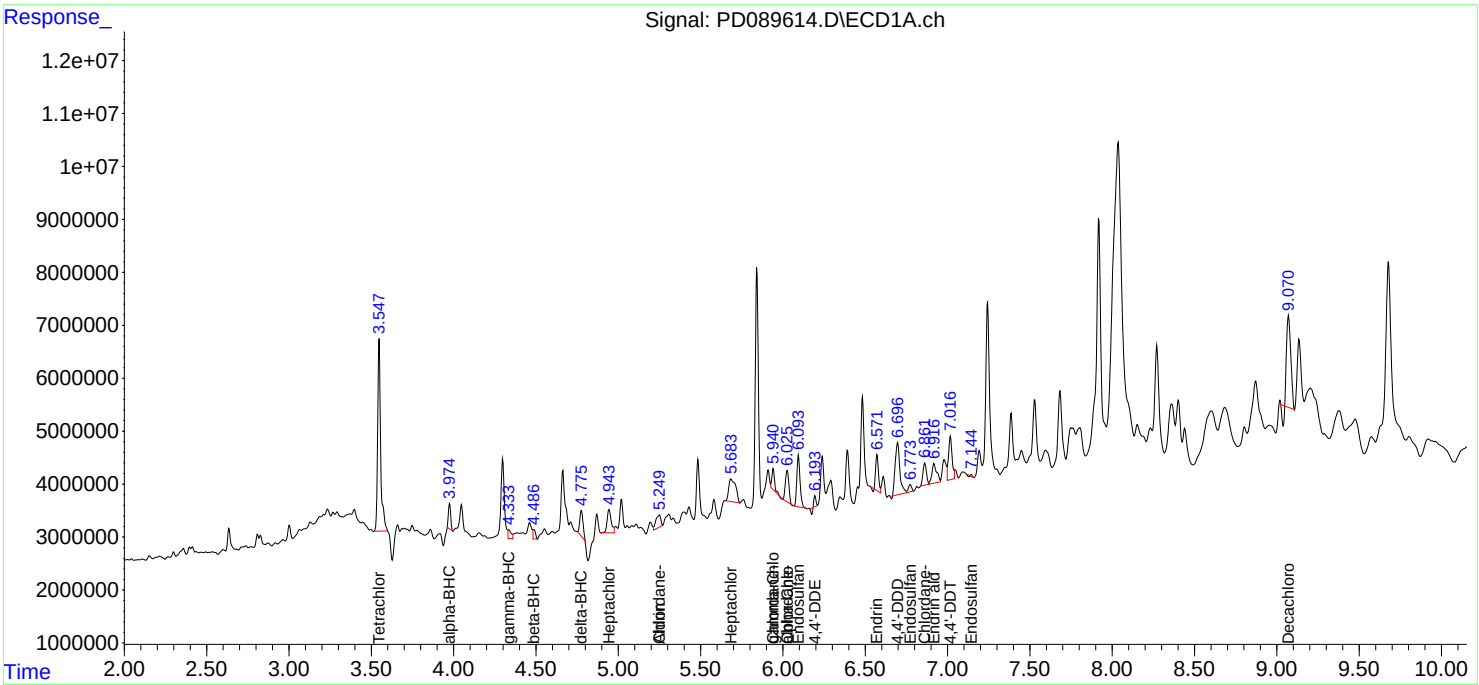
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

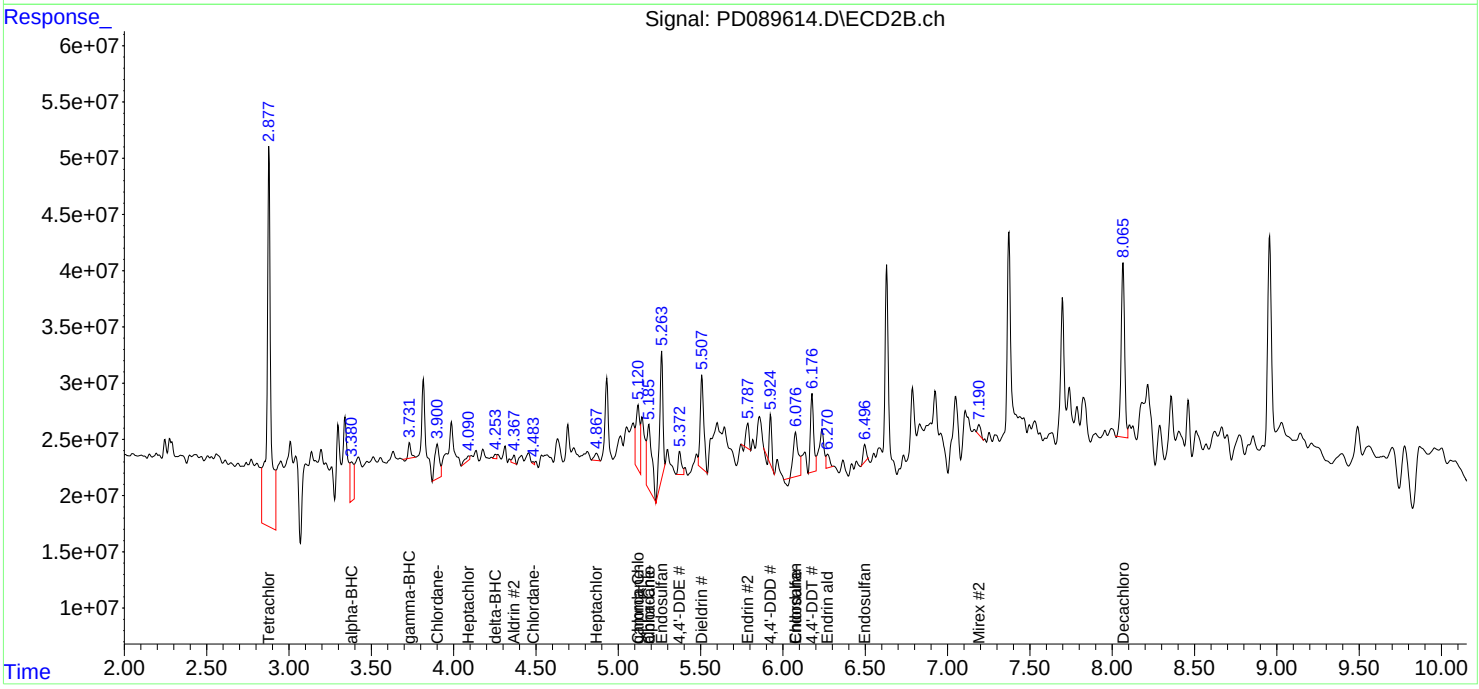
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:24
Operator : AR\AJ
Sample : Q2639-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

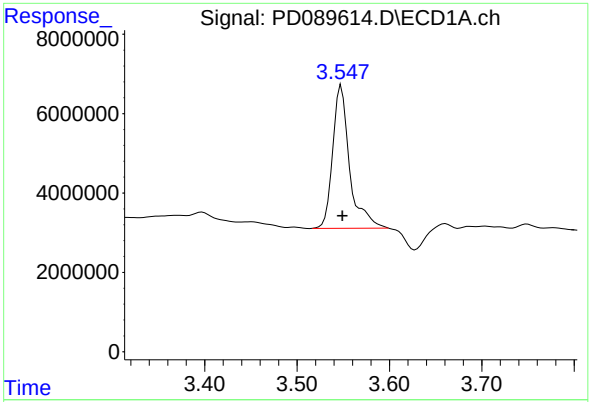
Instrument :
ECD_D
ClientSampleId :
OU4-TS-40-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:14:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



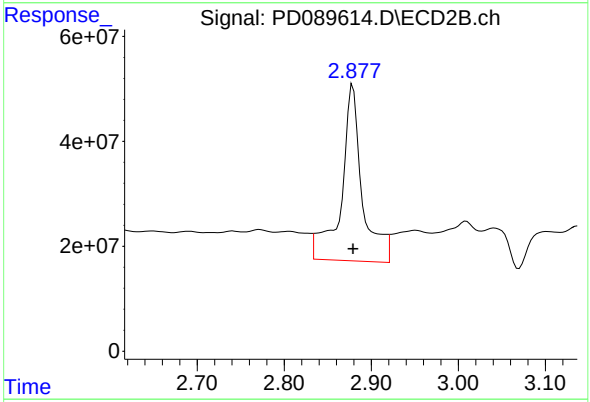




#1 Tetrachloro-m-xylene

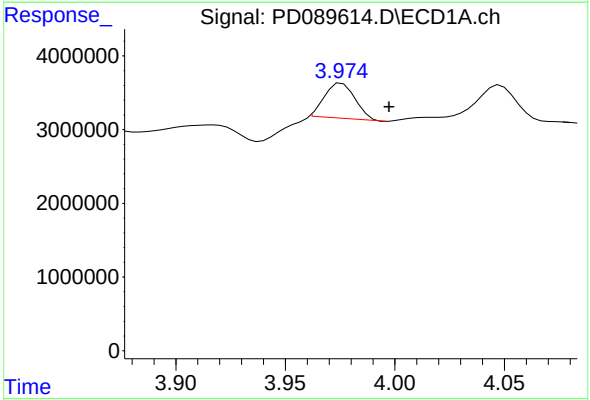
R.T.: 3.548 min
Delta R.T.: -0.001 min
Response: 45931223
Conc: 15.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-40-071725



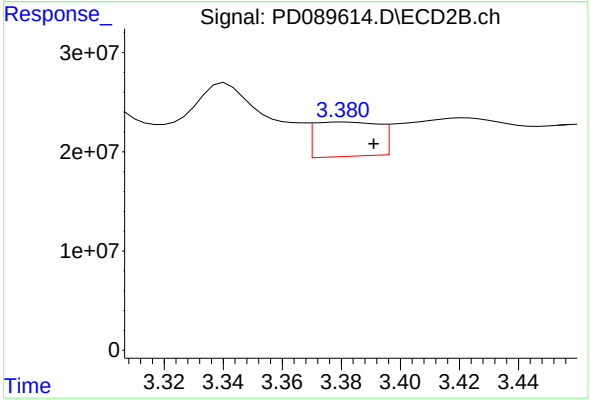
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 561484509
Conc: 28.70 ng/ml



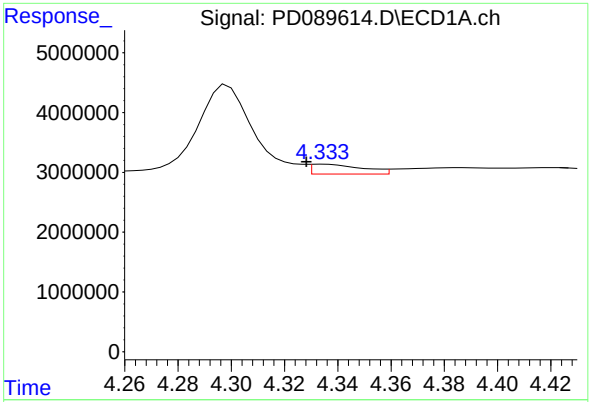
#2 alpha-BHC

R.T.: 3.976 min
Delta R.T.: -0.021 min
Response: 4601219
Conc: 0.81 ng/ml



#2 alpha-BHC

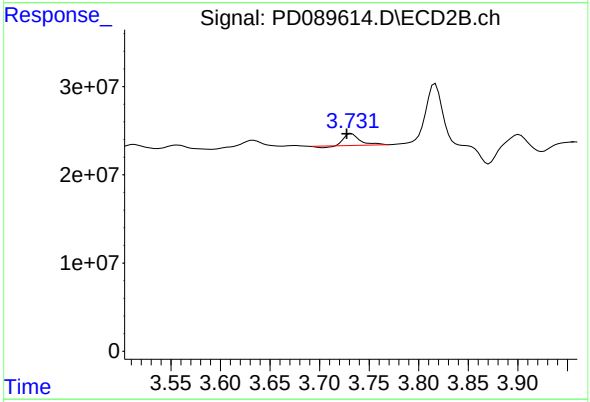
R.T.: 3.381 min
Delta R.T.: -0.010 min
Response: 52622109
Conc: 1.75 ng/ml



#3 gamma-BHC (Lindane)

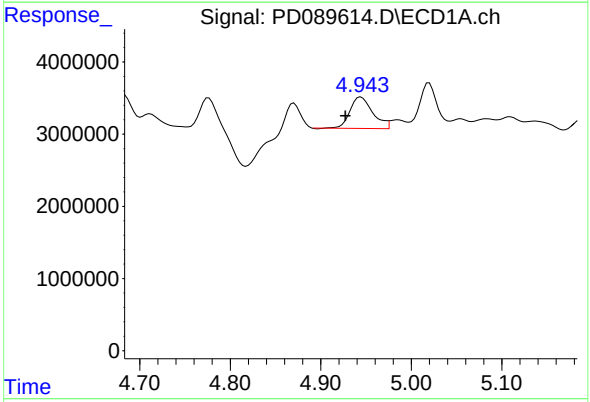
R.T.: 4.335 min
Delta R.T.: 0.006 min
Response: 2195832
Conc: 0.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-40-071725



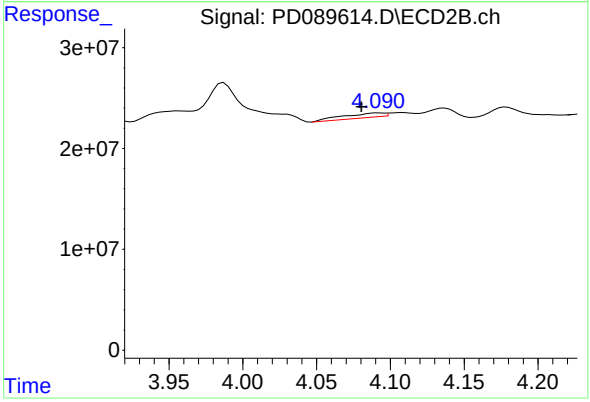
#3 gamma-BHC (Lindane)

R.T.: 3.732 min
Delta R.T.: 0.005 min
Response: 14130061
Conc: 0.51 ng/ml



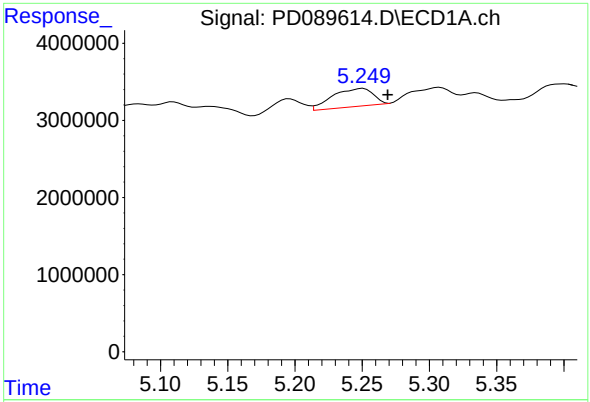
#4 Heptachlor

R.T.: 4.944 min
Delta R.T.: 0.017 min
Response: 7608795
Conc: 1.40 ng/ml



#4 Heptachlor

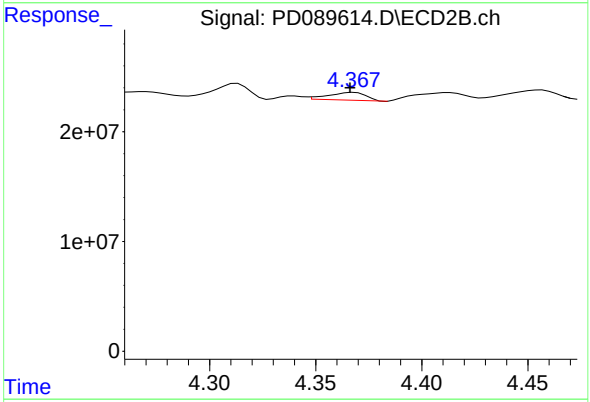
R.T.: 4.092 min
Delta R.T.: 0.012 min
Response: 8801143
Conc: 0.31 ng/ml



#5 Aldrin

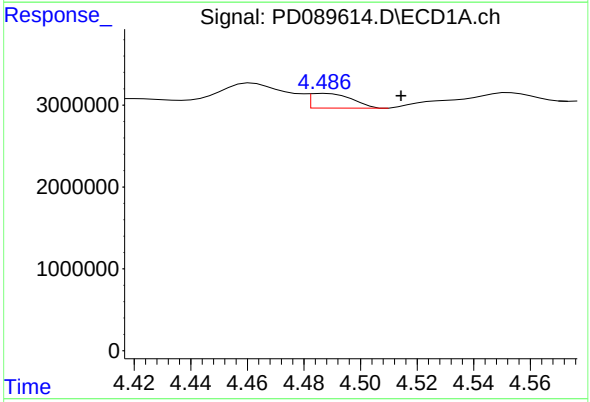
R.T.: 5.251 min
Delta R.T.: -0.018 min
Response: 4895775
Conc: 0.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-40-071725



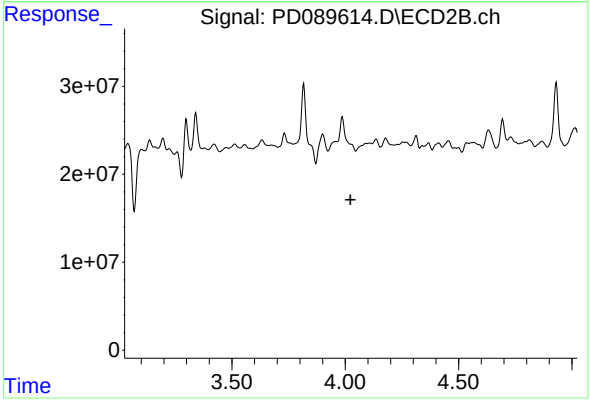
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.002 min
Response: 8581959
Conc: 0.31 ng/ml



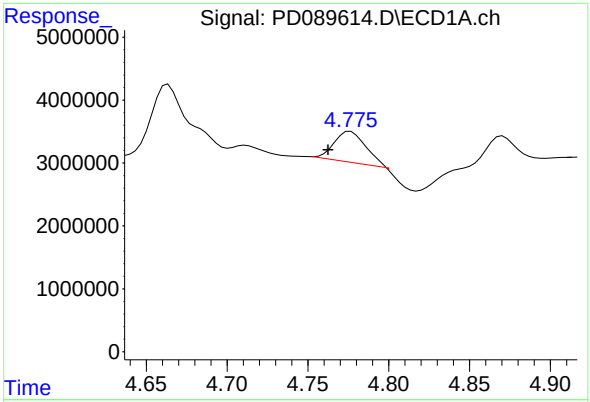
#6 beta-BHC

R.T.: 4.488 min
Delta R.T.: -0.027 min
Response: 1844144
Conc: 0.86 ng/ml



#6 beta-BHC

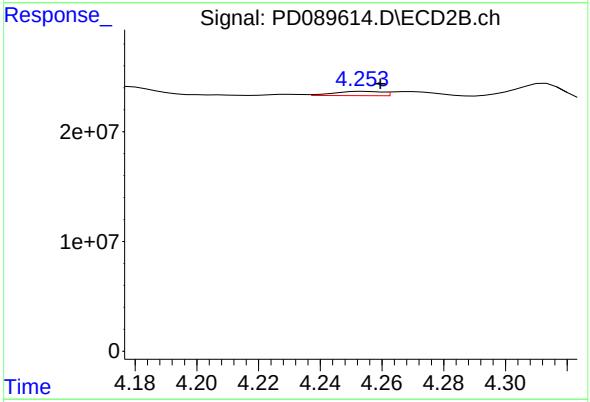
R.T.: 0.000 min
Exp R.T. : 4.023 min
Response: 0
Conc: N.D.



#7 delta-BHC

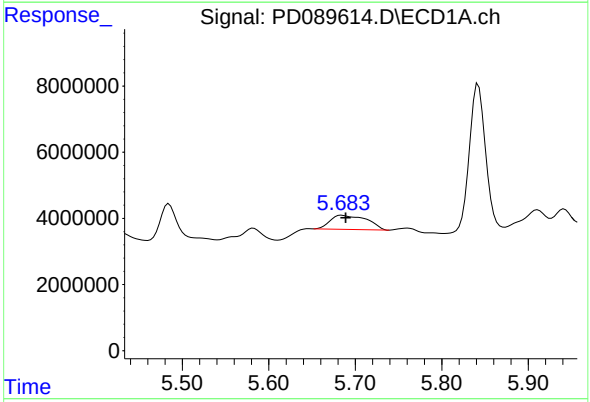
R.T.: 4.776 min
Delta R.T.: 0.014 min
Response: 6246720
Conc: 1.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-40-071725



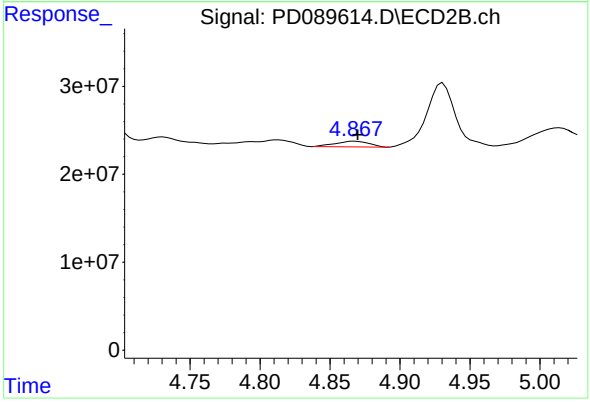
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: -0.005 min
Response: 4108711
Conc: 0.15 ng/ml



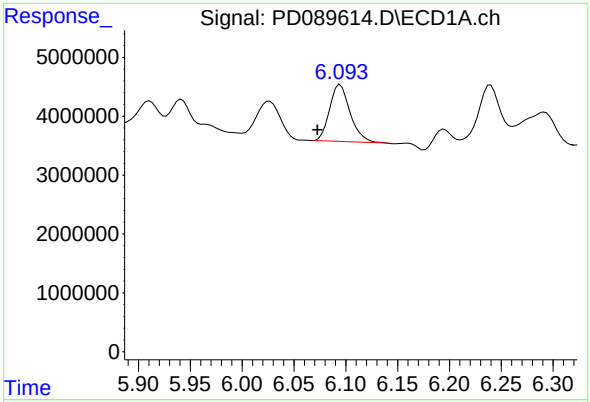
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: -0.005 min
Response: 12550692
Conc: 2.66 ng/ml



#8 Heptachlor epoxide

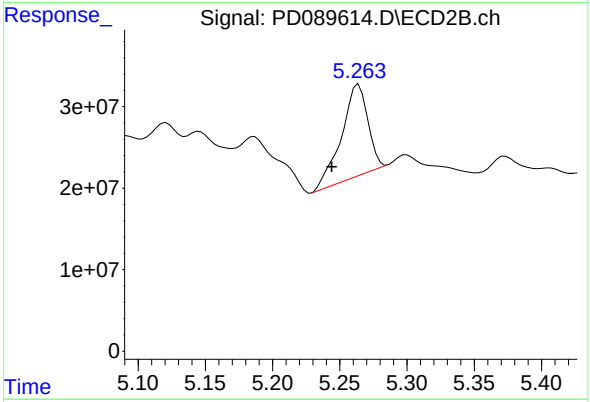
R.T.: 4.868 min
Delta R.T.: -0.002 min
Response: 10669286
Conc: 0.43 ng/ml



#9 Endosulfan I

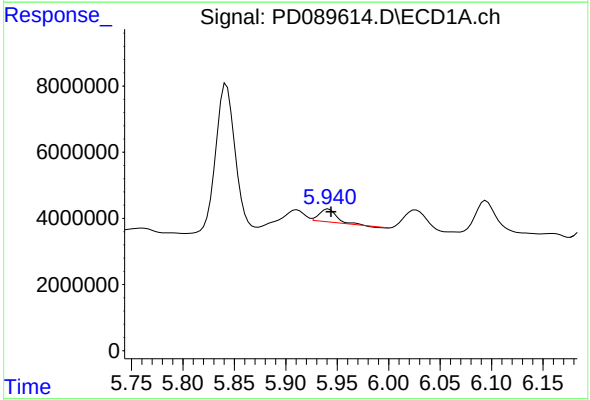
R.T.: 6.095 min
Delta R.T.: 0.022 min
Response: 12855111
Conc: 2.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-40-071725



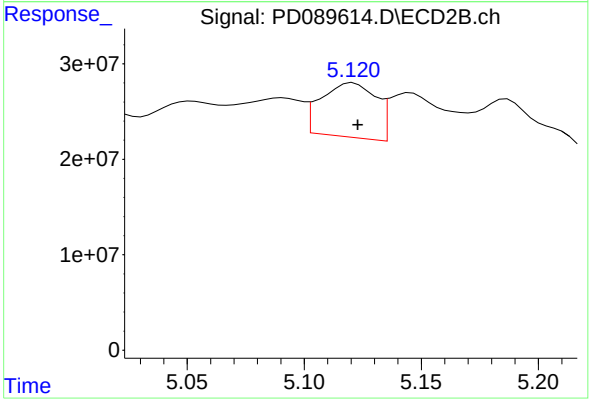
#9 Endosulfan I

R.T.: 5.264 min
Delta R.T.: 0.020 min
Response: 151589609
Conc: 6.38 ng/ml



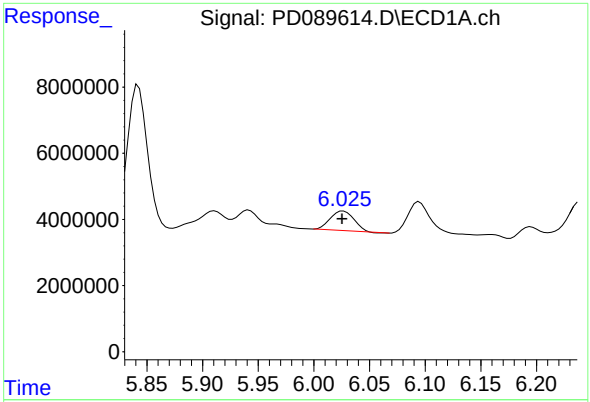
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: -0.003 min
Response: 4528535
Conc: 0.96 ng/ml



#10 gamma-Chlordane

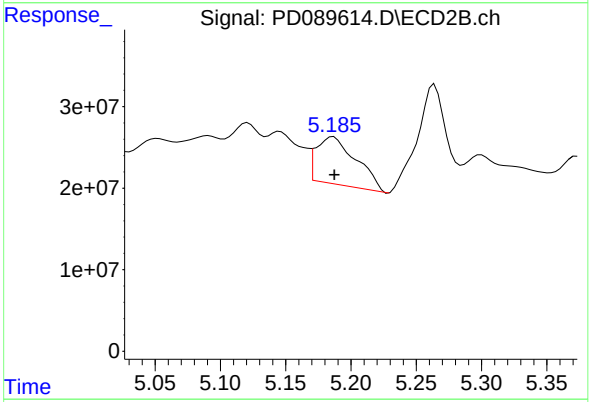
R.T.: 5.121 min
Delta R.T.: -0.002 min
Response: 92695584
Conc: 3.46 ng/ml



#11 alpha-Chlordane

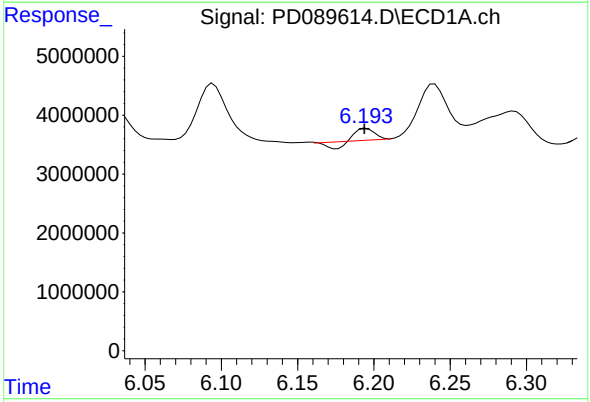
R.T.: 6.027 min
Delta R.T.: 0.001 min
Response: 8720142
Conc: 1.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-40-071725



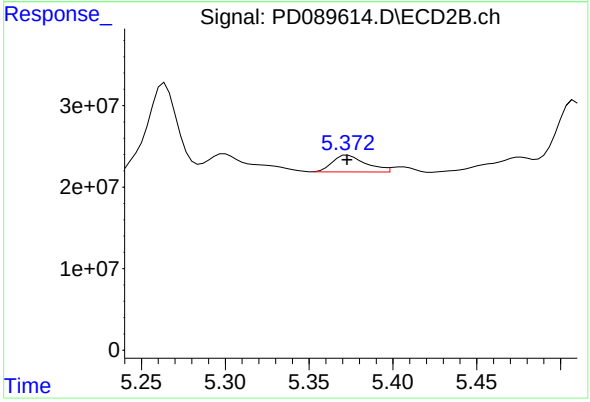
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 123957745
Conc: 4.81 ng/ml



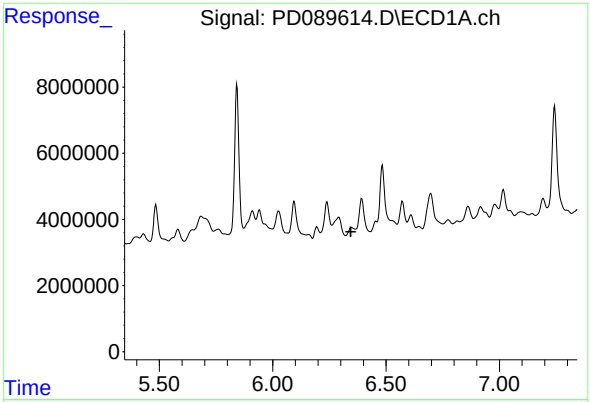
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.001 min
Response: 1033819
Conc: 0.24 ng/ml



#12 4,4'-DDE

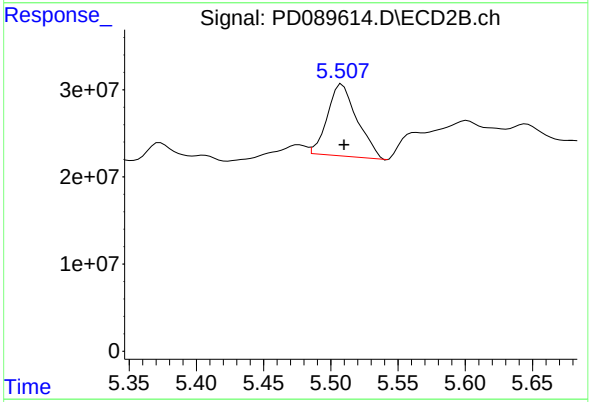
R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 28138204
Conc: 1.07 ng/ml



#13 Dieldrin

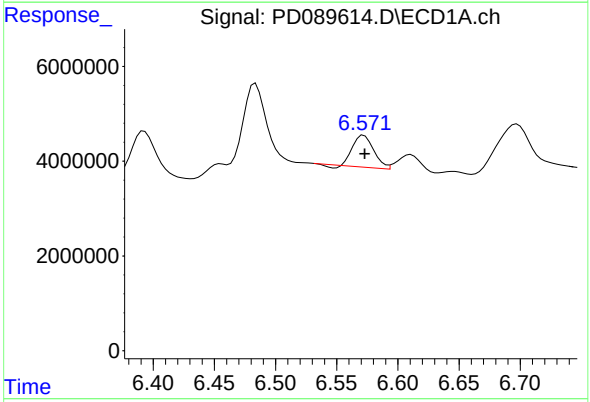
R.T.: 6.348 min
Delta R.T.: 0.003 min
Response: -1955307
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-40-071725



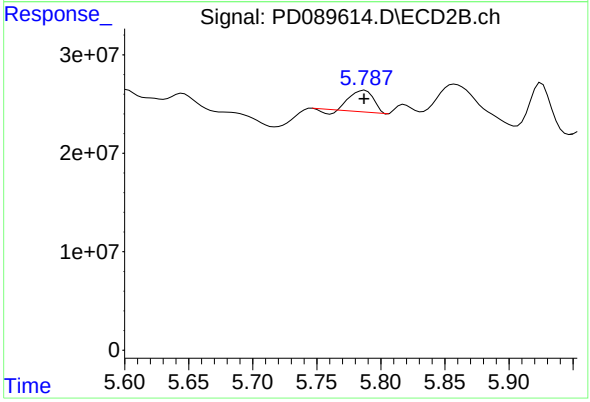
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: -0.002 min
Response: 126091409
Conc: 4.77 ng/ml



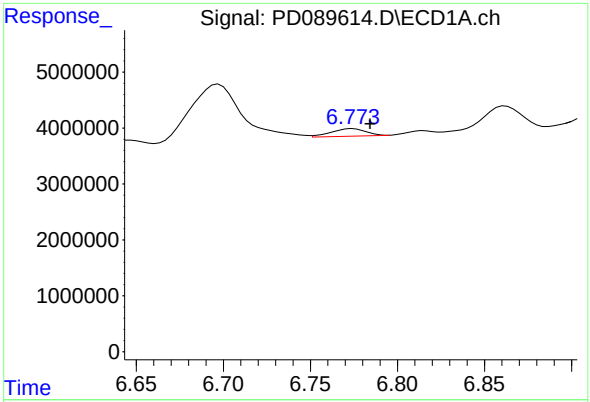
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 7874396
Conc: 1.93 ng/ml



#14 Endrin

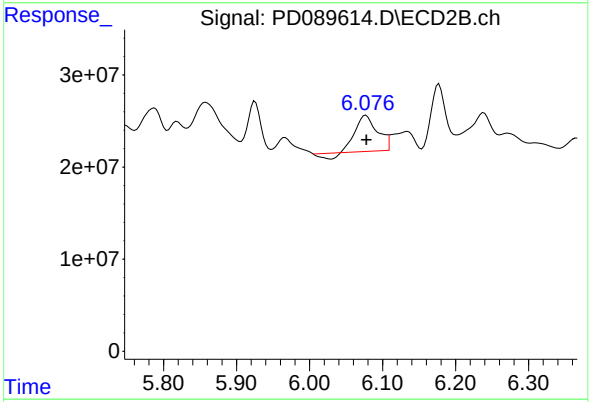
R.T.: 5.788 min
Delta R.T.: 0.000 min
Response: 25850297
Conc: 1.07 ng/ml



#15 Endosulfan II

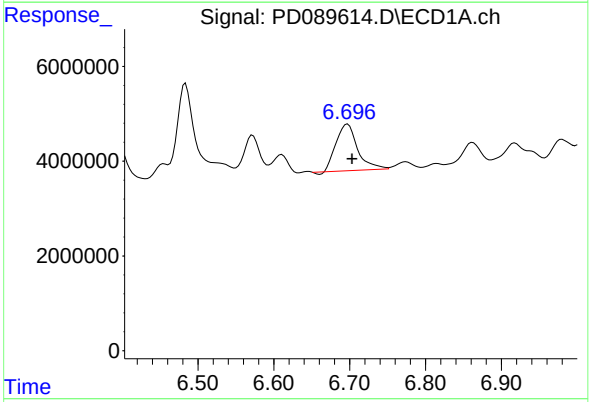
R.T.: 6.774 min
Delta R.T.: -0.010 min
Response: 1875787
Conc: 0.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-40-071725



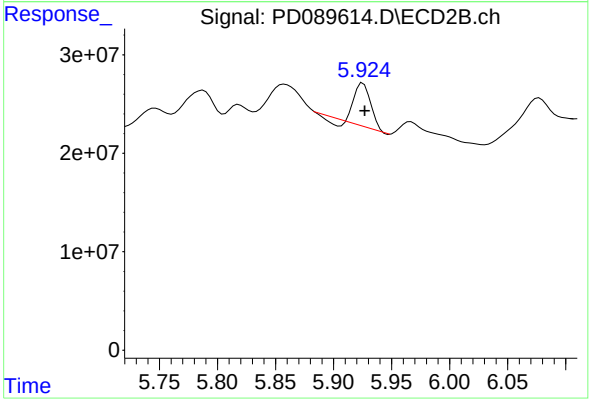
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 77391069
Conc: 3.37 ng/ml



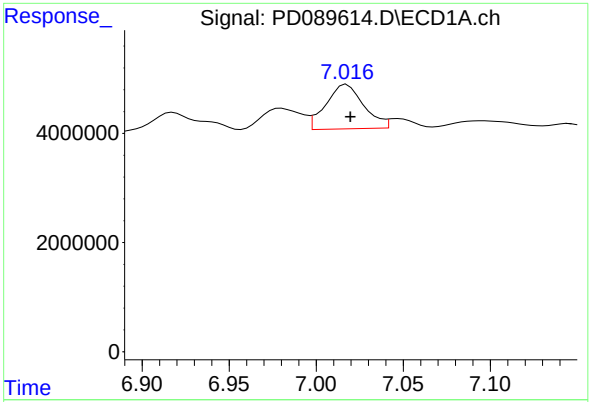
#16 4,4'-DDD

R.T.: 6.697 min
Delta R.T.: -0.006 min
Response: 19366377
Conc: 5.71 ng/ml



#16 4,4'-DDD

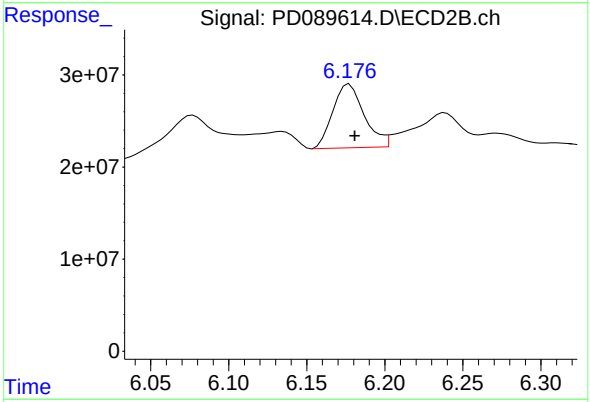
R.T.: 5.925 min
Delta R.T.: -0.001 min
Response: 39787023
Conc: 1.81 ng/ml



#17 4,4'-DDT

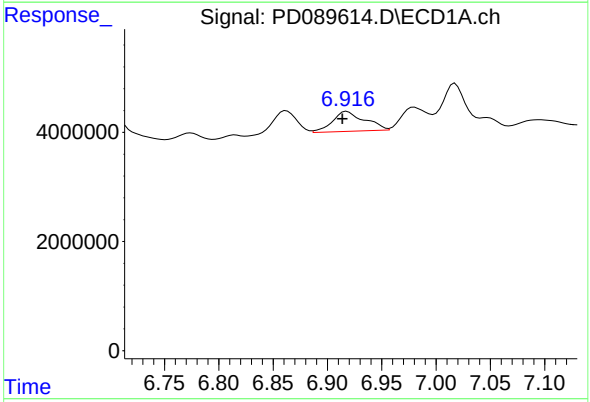
R.T.: 7.018 min
Delta R.T.: -0.002 min
Response: 12287711
Conc: 3.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-40-071725



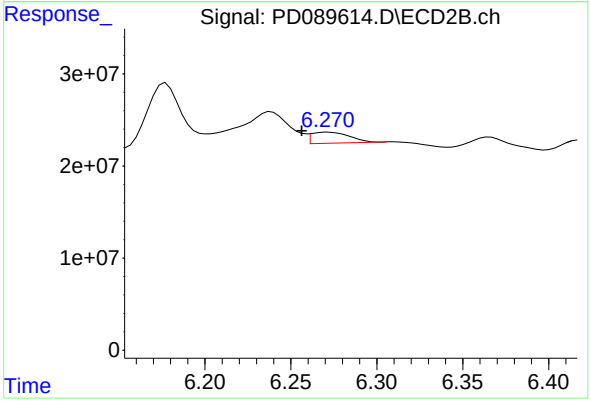
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: -0.003 min
Response: 96729100
Conc: 4.13 ng/ml



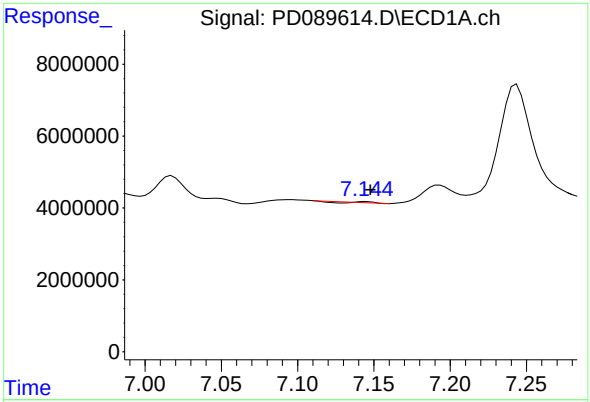
#18 Endrin aldehyde

R.T.: 6.918 min
Delta R.T.: 0.004 min
Response: 7520912
Conc: 2.58 ng/ml



#18 Endrin aldehyde

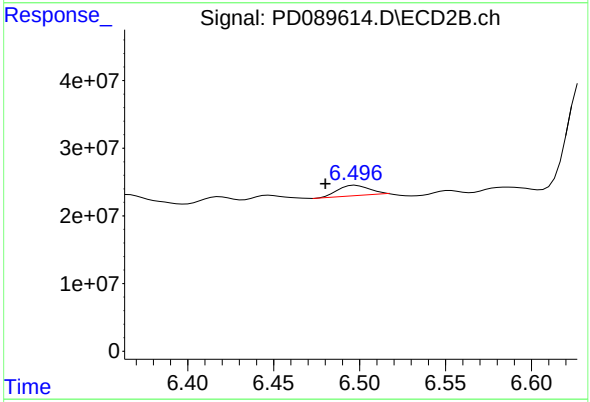
R.T.: 6.272 min
Delta R.T.: 0.016 min
Response: 19258375
Conc: 1.16 ng/ml



#19 Endosulfan Sulfate

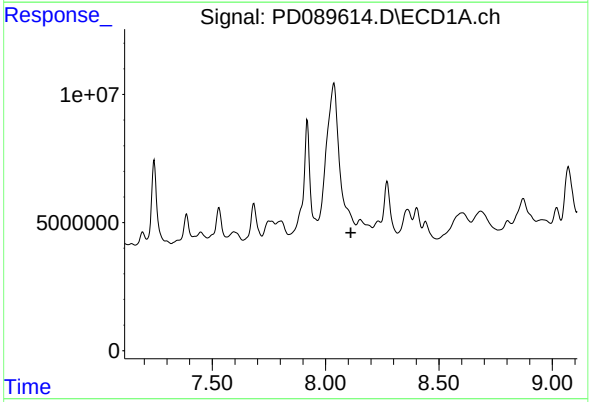
R.T.: 7.145 min
Delta R.T.: -0.003 min
Response: 25073
Conc: 0.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-40-071725



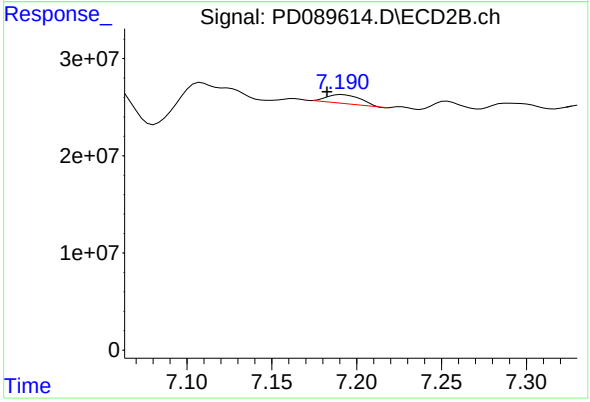
#19 Endosulfan Sulfate

R.T.: 6.498 min
Delta R.T.: 0.018 min
Response: 19367763
Conc: 0.87 ng/ml



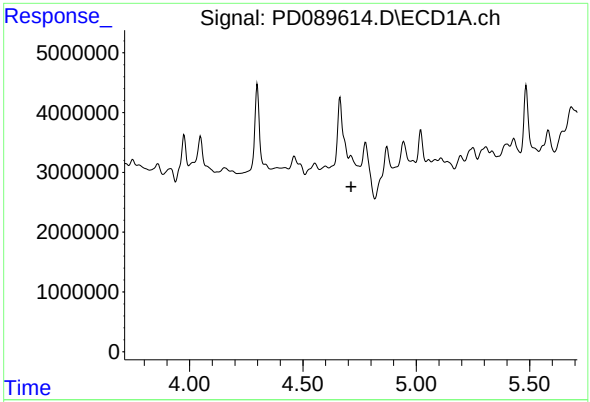
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.112 min
Response: 0
Conc: N.D.



#22 Mirex

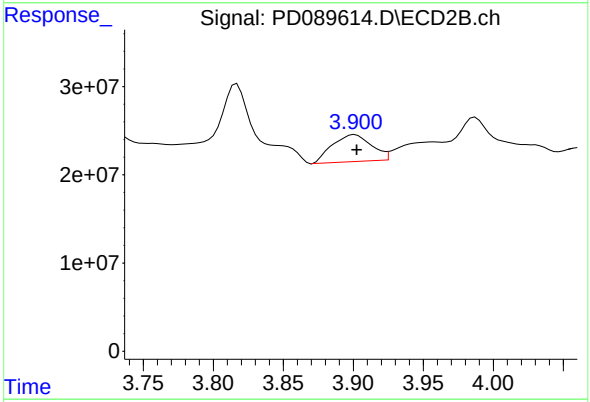
R.T.: 7.192 min
Delta R.T.: 0.009 min
Response: 12797199
Conc: 0.66 ng/ml



#23 Chlordane-1

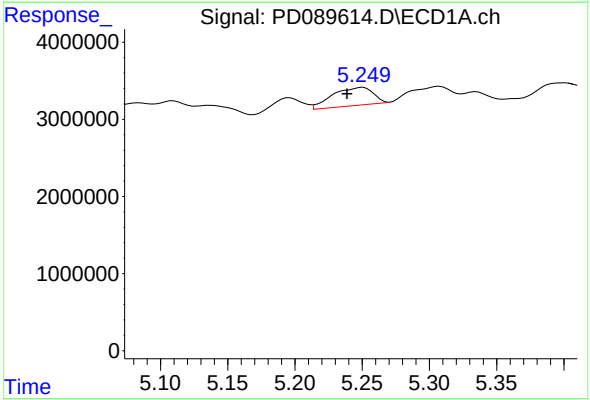
R.T.: 4.711 min
Delta R.T.: 0.000 min
Response: -3132097
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-40-071725



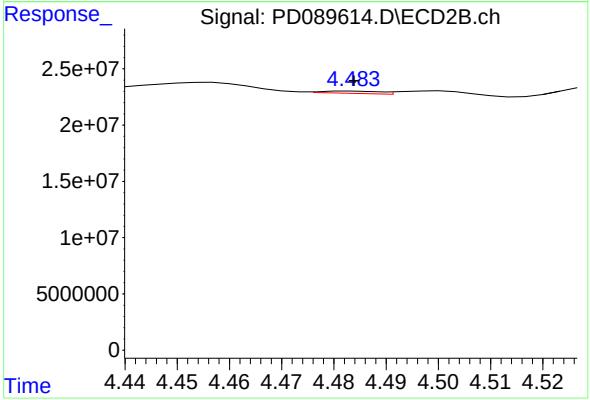
#23 Chlordane-1

R.T.: 3.901 min
Delta R.T.: -0.001 min
Response: 59319473
Conc: 63.88 ng/ml



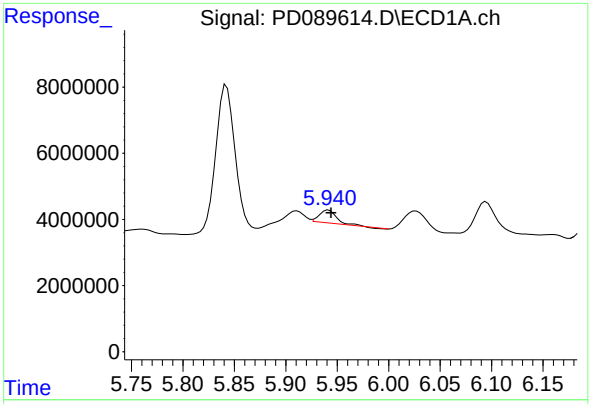
#24 Chlordane-2

R.T.: 5.251 min
Delta R.T.: 0.012 min
Response: 4895775
Conc: 24.35 ng/ml



#24 Chlordane-2

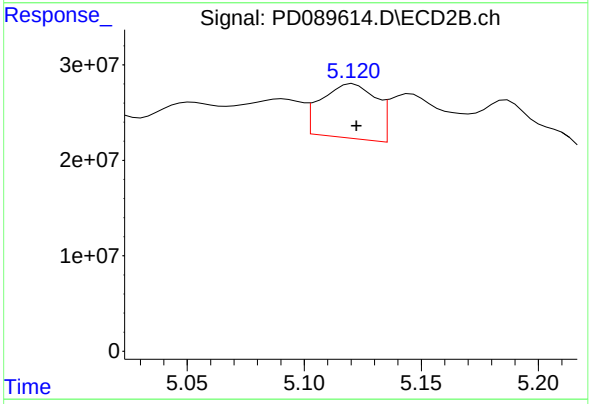
R.T.: 4.483 min
Delta R.T.: 0.000 min
Response: 1539049
Conc: 1.57 ng/ml



#25 Chlordane-3

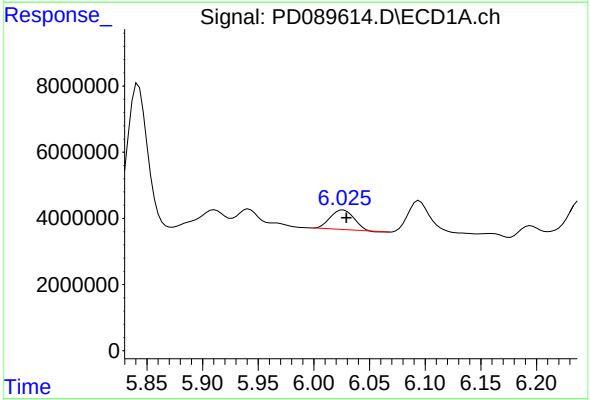
R.T.: 5.941 min
Delta R.T.: -0.003 min
Response: 4528535
Conc: 5.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-40-071725



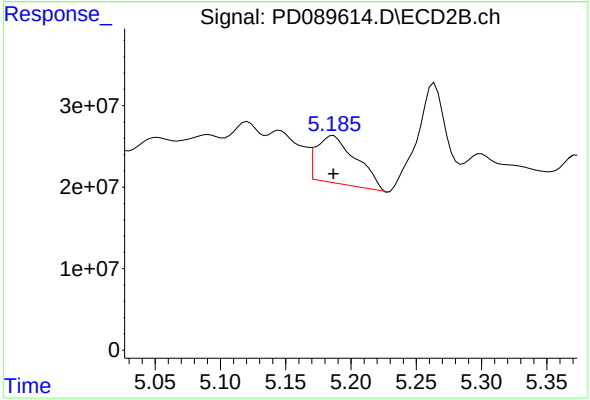
#25 Chlordane-3

R.T.: 5.121 min
Delta R.T.: -0.001 min
Response: 92695584
Conc: 32.11 ng/ml



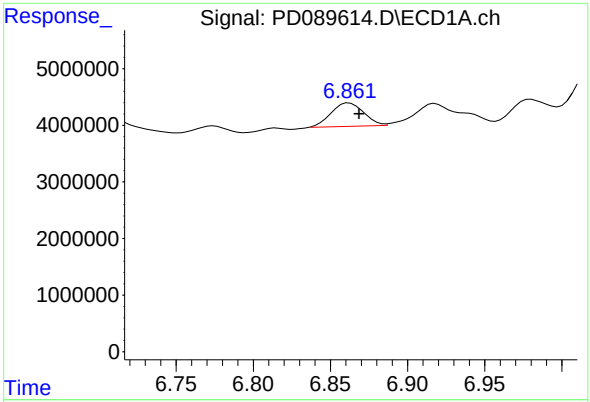
#26 Chlordane-4

R.T.: 6.027 min
Delta R.T.: -0.003 min
Response: 8720142
Conc: 9.19 ng/ml



#26 Chlordane-4

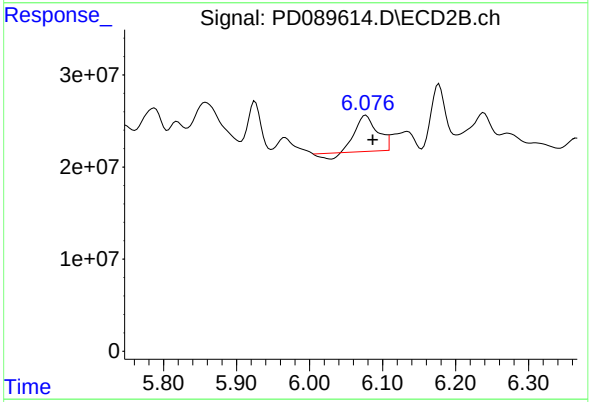
R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 123957745
Conc: 51.39 ng/ml



#27 Chlordane-5

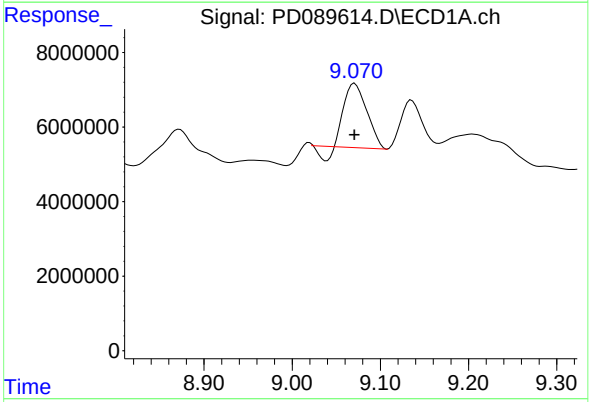
R.T.: 6.862 min
Delta R.T.: -0.006 min
Response: 6084888
Conc: 36.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-40-071725



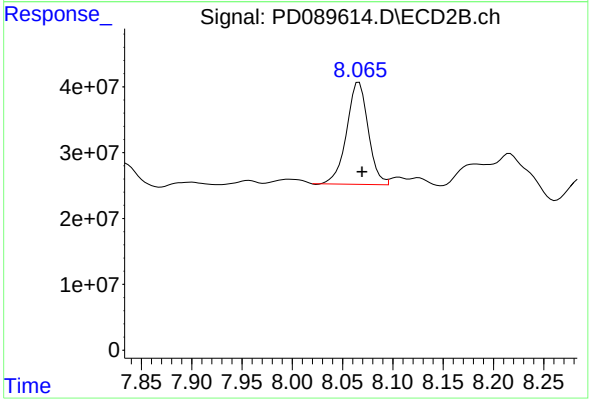
#27 Chlordane-5

R.T.: 6.077 min
Delta R.T.: -0.009 min
Response: 77391069
Conc: 66.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 28634739
Conc: 6.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.003 min
Response: 230011755
Conc: 9.36 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089615.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:38
Operator : AR\AJ
Sample : Q2639-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-41-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:14:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.879	40843009	565.5E6	14.175	28.903	#
28)	SA Decachlor...	9.071	8.067	25577081	203.0E6	6.228	8.262	#
	Target Compounds							
2)	A alpha-BHC	4.014f	3.384	1210624	44060444	0.212	1.466	#
3)	MA gamma-BHC...	4.337	3.732	2197464	10179839	0.398	0.367	
4)	MA Heptachlor	4.945f	4.067	6466669	2745862	1.186	0.098	#
5)	MB Aldrin	5.250f	4.367	4772769	10018883	0.912	0.366	#
7)	B delta-BHC	4.777	4.253	4346942	7500898	0.822	0.269	#
8)	B Heptachlo...	5.681	4.867	907295	10718210	0.192	0.431	#
9)	A Endosulfan I	6.094f	5.264f	11304016	142.3E6	2.543	5.994	#
10)	B gamma-Chl...	5.942	5.122	3136364	78708157	0.662	2.942	#
11)	B alpha-Chl...	6.026	5.186	7899094	132.0E6	1.657	5.116	#
12)	B 4,4'-DDE	6.195	5.373	513533	24170841	0.120	0.921	#
13)	MA Dieldrin	6.348	5.508	-1666080	126.4E6	N.D.	4.781	
14)	MA Endrin	6.573	5.788	6651020	22741011	1.633	0.940	#
15)	B Endosulfa...	6.777	6.077	1443430	65185292	0.355	2.838	#
16)	A 4,4'-DDD	6.697	5.926	17532890	35499816	5.174	1.619	#
17)	MA 4,4'-DDT	7.019	6.177	10201670	79193971	2.704	3.383	#
18)	B Endrin al...	6.918	6.273f	5500873	20441375	1.887	1.232	#
19)	B Endosulfa...	7.144	6.499f	285640	9966263	0.076	0.449	#
20)	A Methoxychlor	0.000	6.733f	0	6640529	N.D.	0.545	#
22)	Mirex	0.000	7.193	0	4714337	N.D.	0.244	#
23)	Chlordane-1	4.712	3.901	-2510301	57226461	N.D.	61.622	
24)	Chlordane-2	5.250	4.498	4772769	3101545	23.735	3.164	#
25)	Chlordane-3	5.942	5.122	3136364	78708157	4.025	27.263	#
26)	Chlordane-4	6.026	5.186	7899094	132.0E6	8.322	54.704	#
27)	Chlordane-5	6.862	6.077	5541494	65185292	33.601	55.788	#

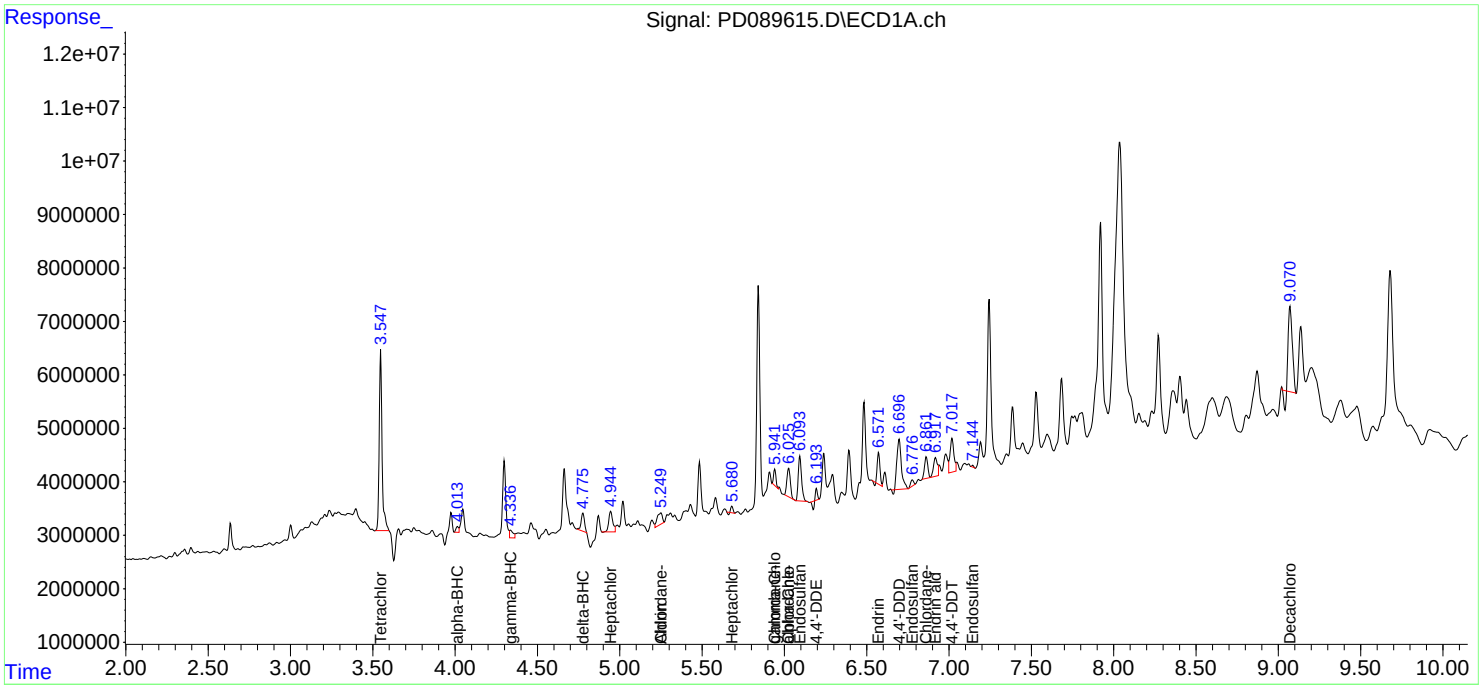
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

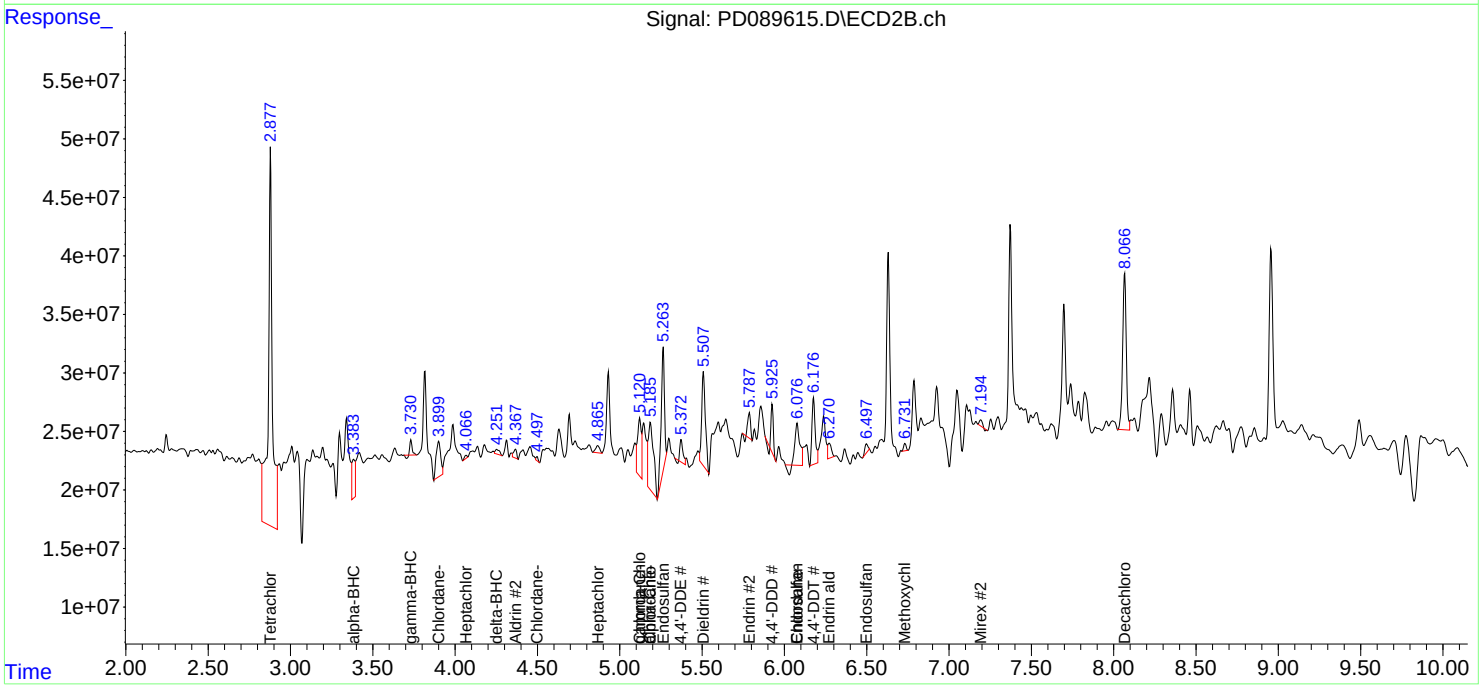
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089615.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:38
Operator : AR\AJ
Sample : Q2639-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

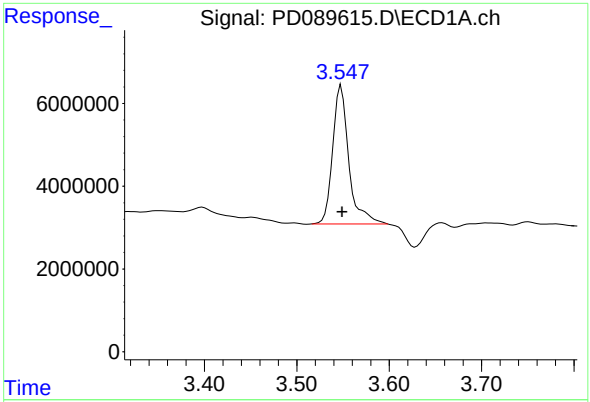
Instrument :
ECD_D
ClientSampleId :
OU4-TS-41-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:14:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



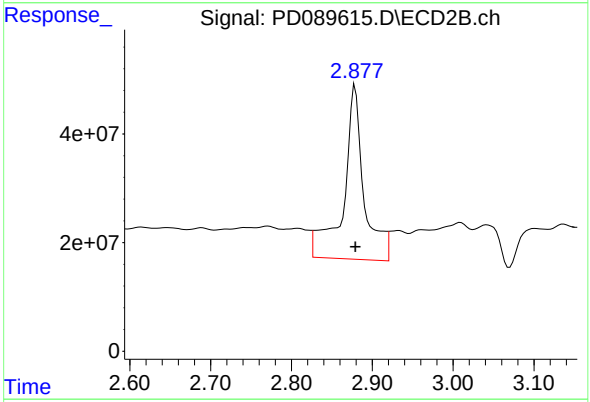




#1 Tetrachloro-m-xylene

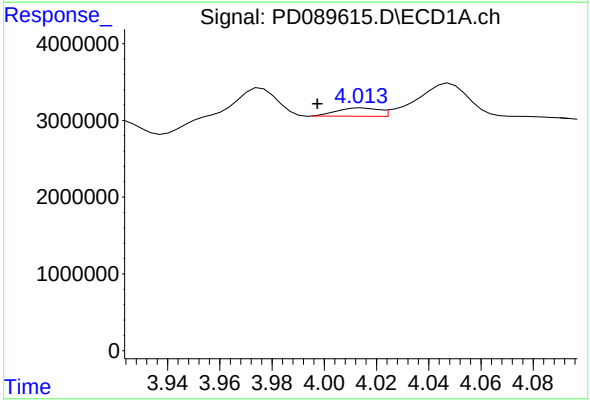
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 40843009
Conc: 14.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-41-071725



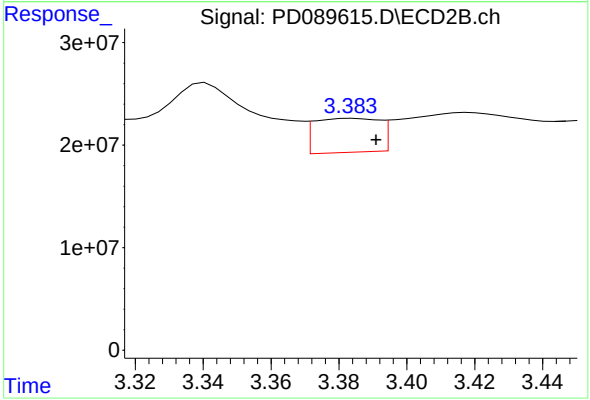
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 565523690
Conc: 28.90 ng/ml



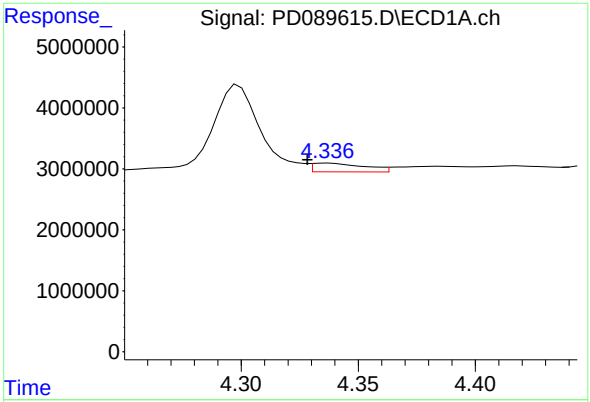
#2 alpha-BHC

R.T.: 4.014 min
Delta R.T.: 0.017 min
Response: 1210624
Conc: 0.21 ng/ml



#2 alpha-BHC

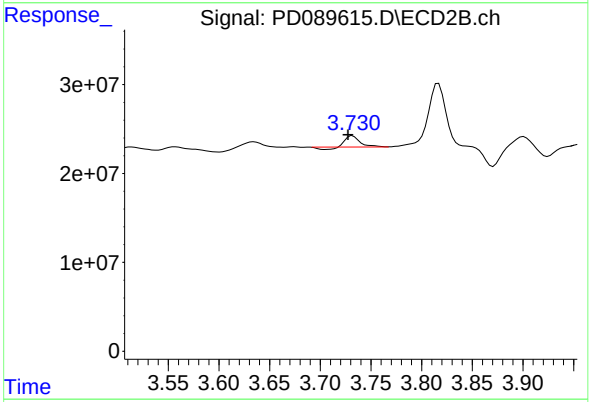
R.T.: 3.384 min
Delta R.T.: -0.007 min
Response: 44060444
Conc: 1.47 ng/ml



#3 gamma-BHC (Lindane)

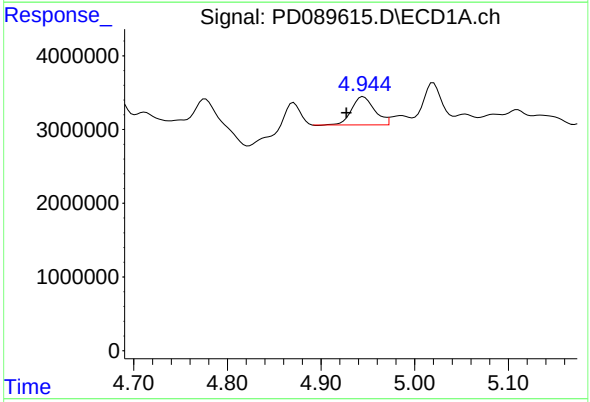
R.T.: 4.337 min
Delta R.T.: 0.009 min
Response: 2197464
Conc: 0.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-41-071725



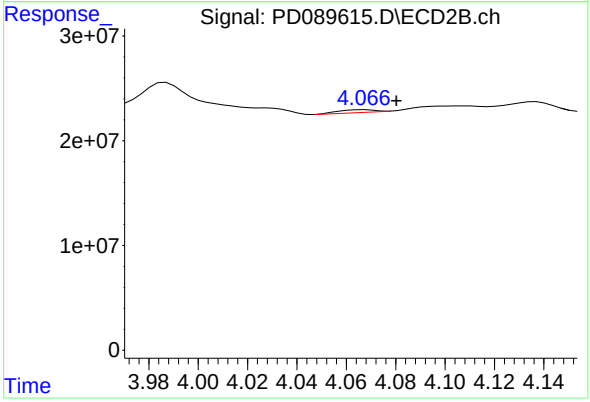
#3 gamma-BHC (Lindane)

R.T.: 3.732 min
Delta R.T.: 0.004 min
Response: 10179839
Conc: 0.37 ng/ml



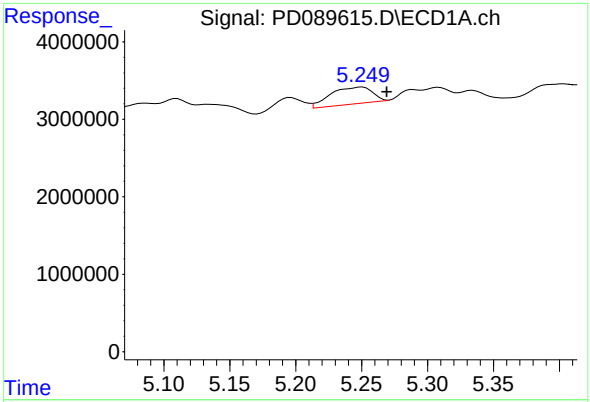
#4 Heptachlor

R.T.: 4.945 min
Delta R.T.: 0.018 min
Response: 6466669
Conc: 1.19 ng/ml



#4 Heptachlor

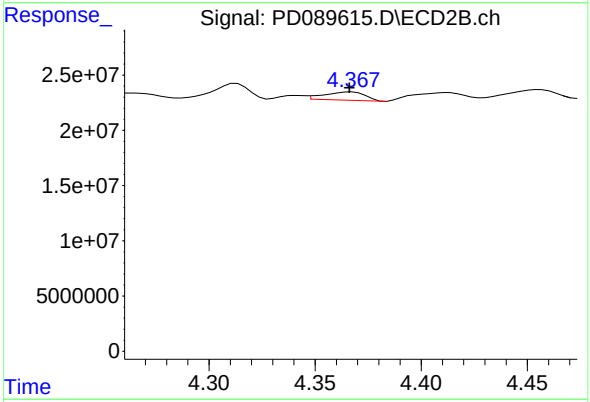
R.T.: 4.067 min
Delta R.T.: -0.013 min
Response: 2745862
Conc: 0.10 ng/ml



#5 Aldrin

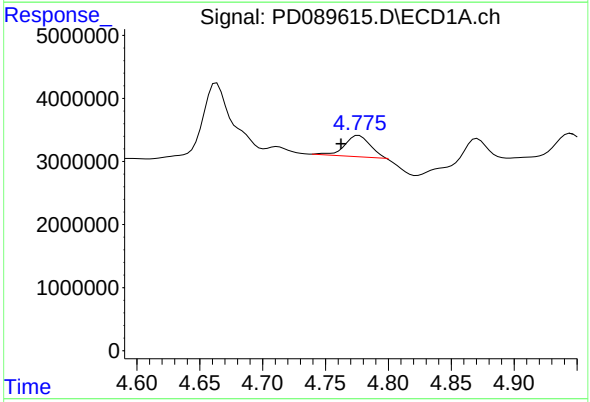
R.T.: 5.250 min
Delta R.T.: -0.019 min
Response: 4772769
Conc: 0.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-41-071725



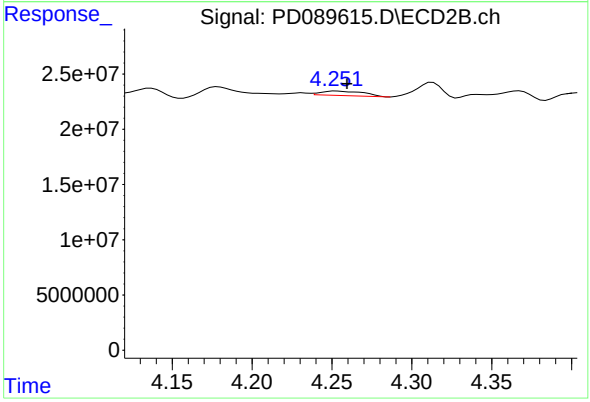
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: 0.001 min
Response: 10018883
Conc: 0.37 ng/ml



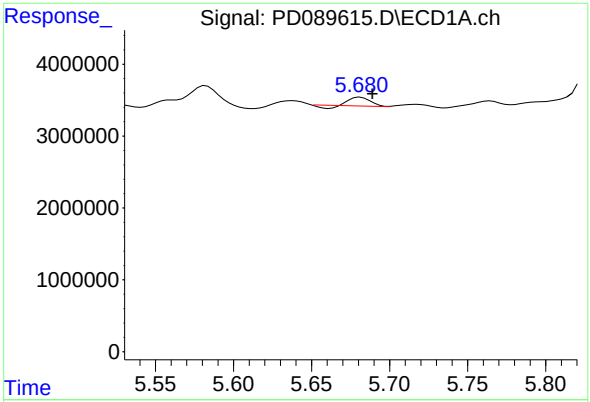
#7 delta-BHC

R.T.: 4.777 min
Delta R.T.: 0.014 min
Response: 4346942
Conc: 0.82 ng/ml



#7 delta-BHC

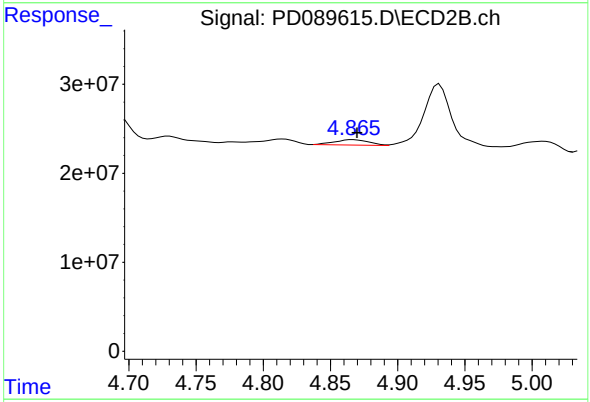
R.T.: 4.253 min
Delta R.T.: -0.007 min
Response: 7500898
Conc: 0.27 ng/ml



#8 Heptachlor epoxide

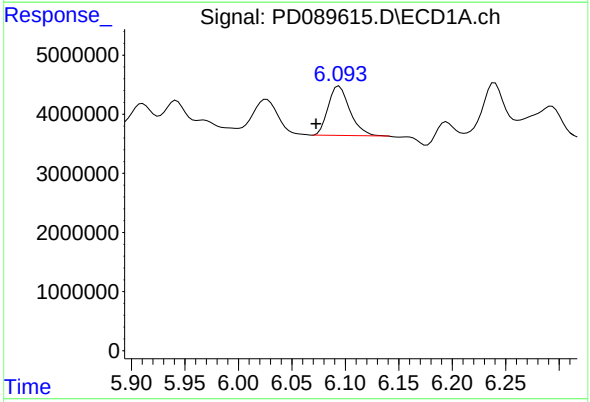
R.T.: 5.681 min
Delta R.T.: -0.008 min
Response: 907295
Conc: 0.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-41-071725



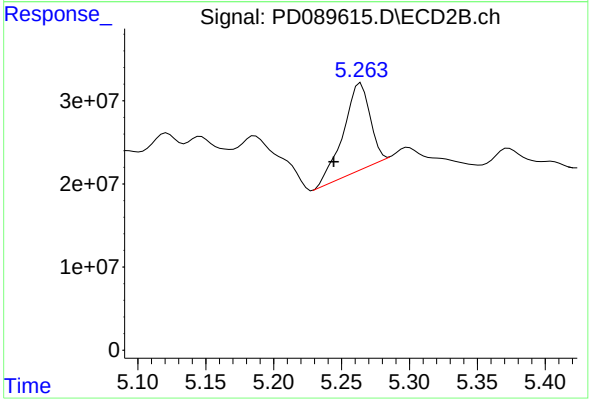
#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: -0.003 min
Response: 10718210
Conc: 0.43 ng/ml



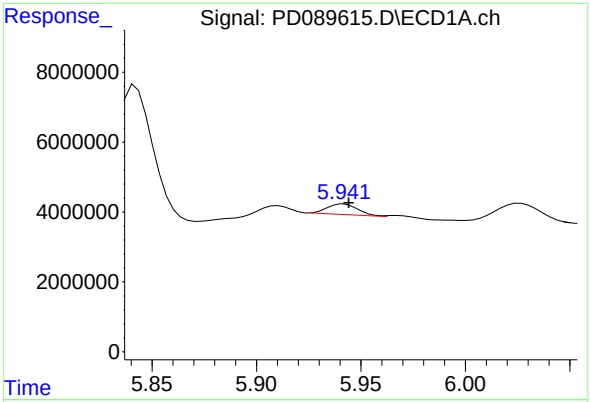
#9 Endosulfan I

R.T.: 6.094 min
Delta R.T.: 0.022 min
Response: 11304016
Conc: 2.54 ng/ml



#9 Endosulfan I

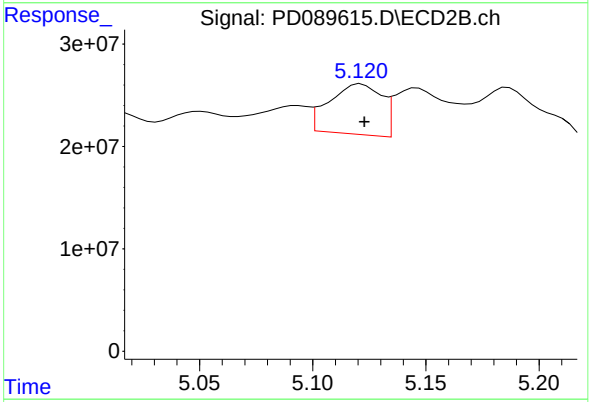
R.T.: 5.264 min
Delta R.T.: 0.020 min
Response: 142332453
Conc: 5.99 ng/ml



#10 gamma-Chlordane

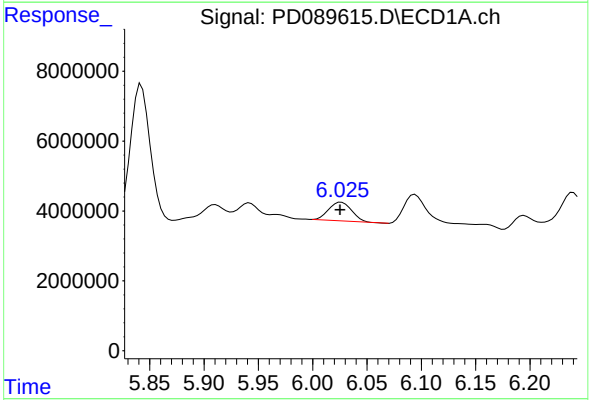
R.T.: 5.942 min
Delta R.T.: -0.002 min
Response: 3136364
Conc: 0.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-41-071725



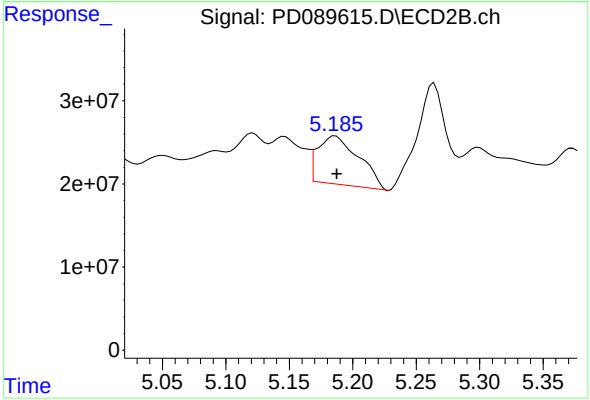
#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: -0.001 min
Response: 78708157
Conc: 2.94 ng/ml



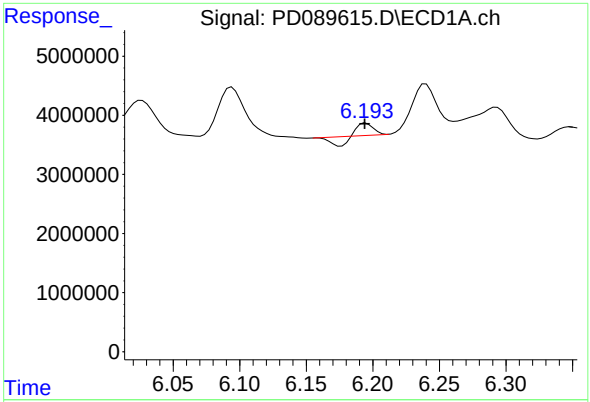
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.001 min
Response: 7899094
Conc: 1.66 ng/ml



#11 alpha-Chlordane

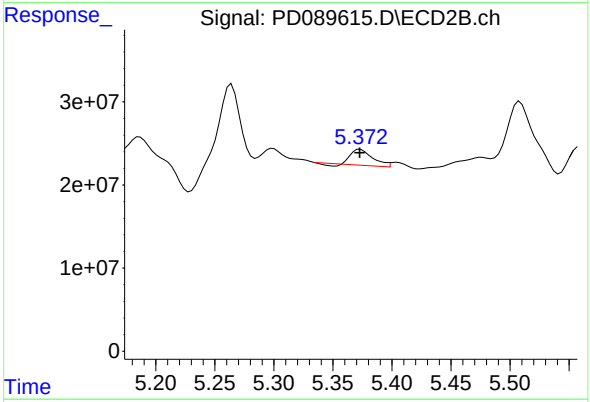
R.T.: 5.186 min
Delta R.T.: -0.001 min
Response: 131956715
Conc: 5.12 ng/ml



#12 4,4'-DDE

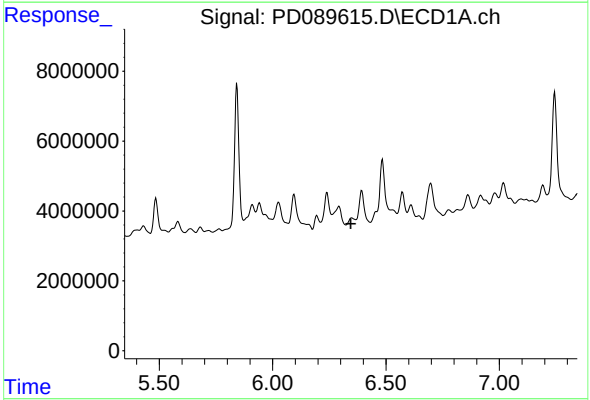
R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 513533
Conc: 0.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-41-071725



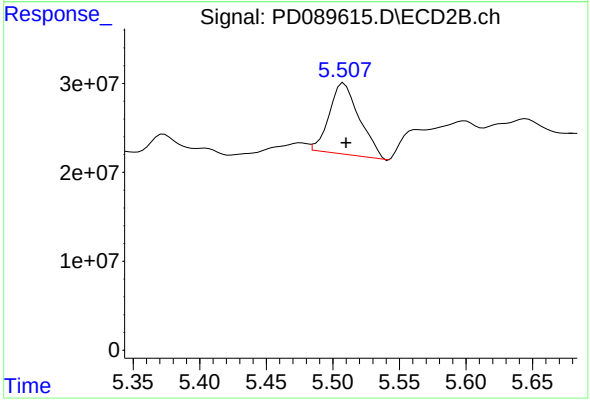
#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 24170841
Conc: 0.92 ng/ml



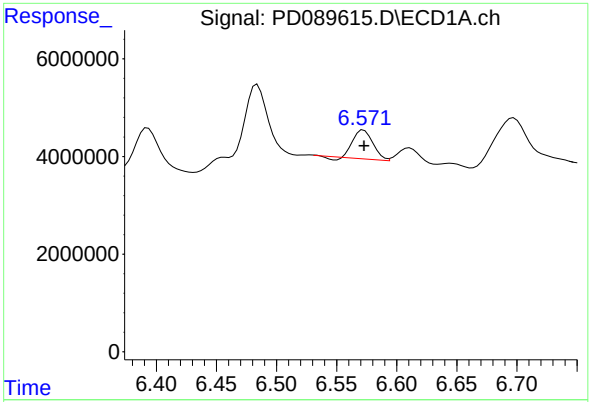
#13 Dieldrin

R.T.: 6.348 min
Delta R.T.: 0.003 min
Response: -1666080
Conc: N.D.



#13 Dieldrin

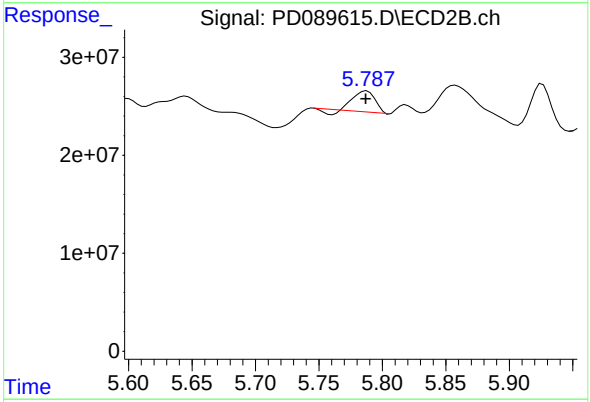
R.T.: 5.508 min
Delta R.T.: -0.001 min
Response: 126350999
Conc: 4.78 ng/ml



#14 Endrin

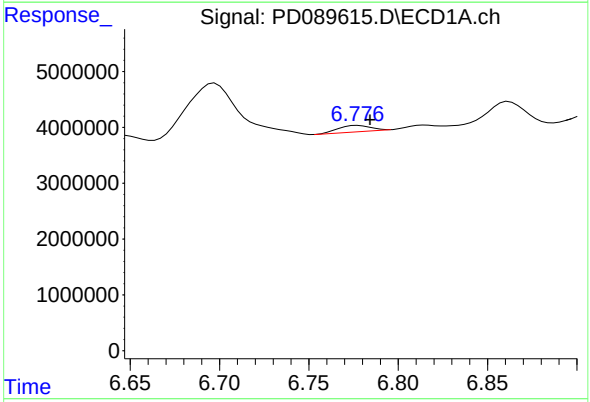
R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 6651020
Conc: 1.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-41-071725



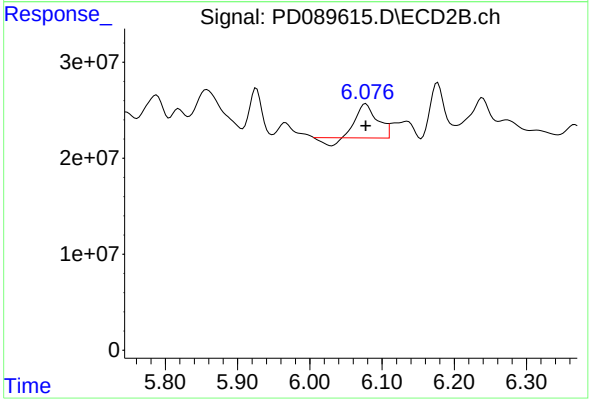
#14 Endrin

R.T.: 5.788 min
Delta R.T.: 0.000 min
Response: 22741011
Conc: 0.94 ng/ml



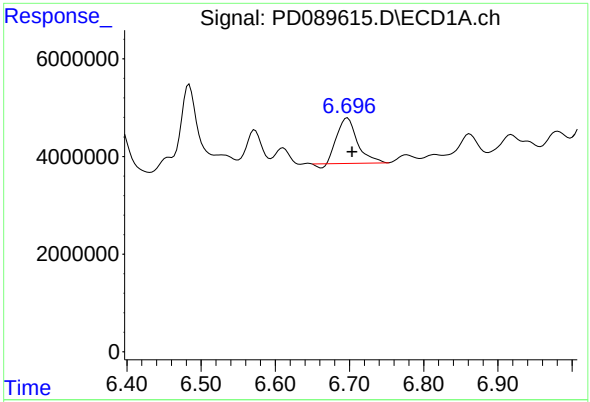
#15 Endosulfan II

R.T.: 6.777 min
Delta R.T.: -0.007 min
Response: 1443430
Conc: 0.35 ng/ml



#15 Endosulfan II

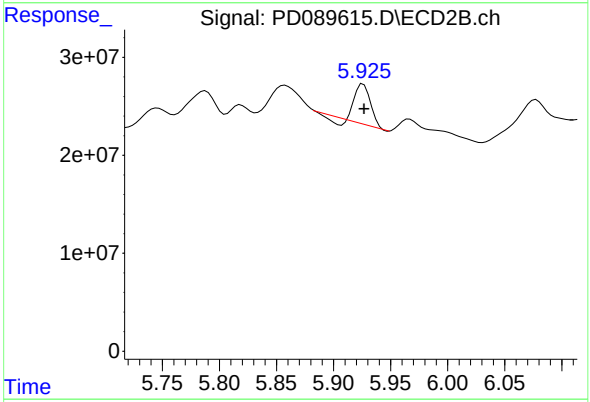
R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 65185292
Conc: 2.84 ng/ml



#16 4,4'-DDD

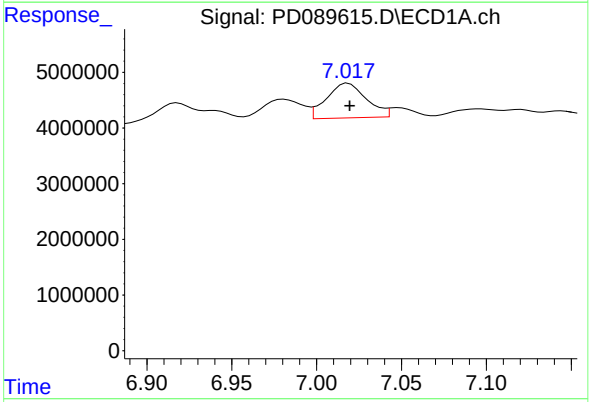
R.T.: 6.697 min
Delta R.T.: -0.006 min
Response: 17532890
Conc: 5.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-41-071725



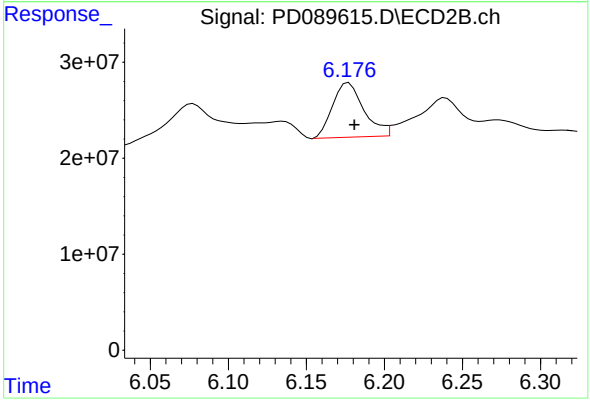
#16 4,4'-DDD

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 35499816
Conc: 1.62 ng/ml



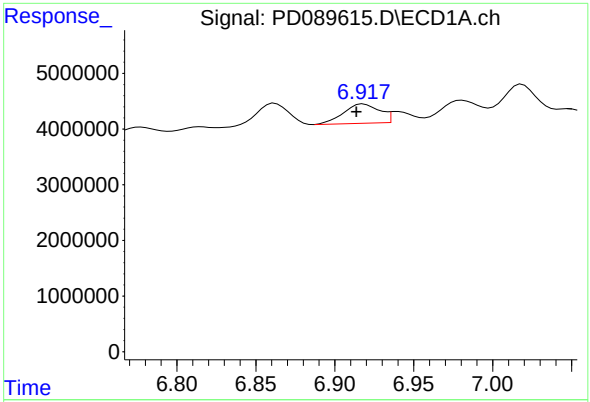
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 10201670
Conc: 2.70 ng/ml



#17 4,4'-DDT

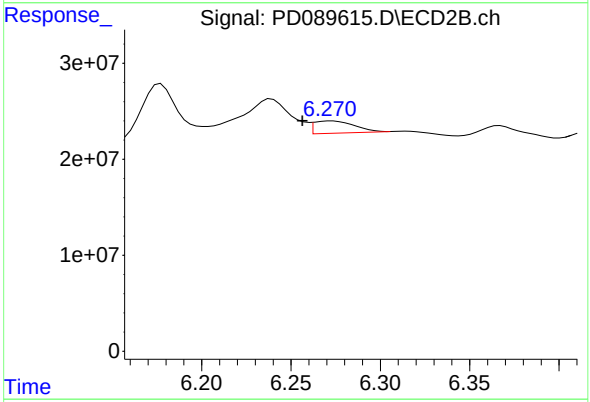
R.T.: 6.177 min
Delta R.T.: -0.004 min
Response: 79193971
Conc: 3.38 ng/ml



#18 Endrin aldehyde

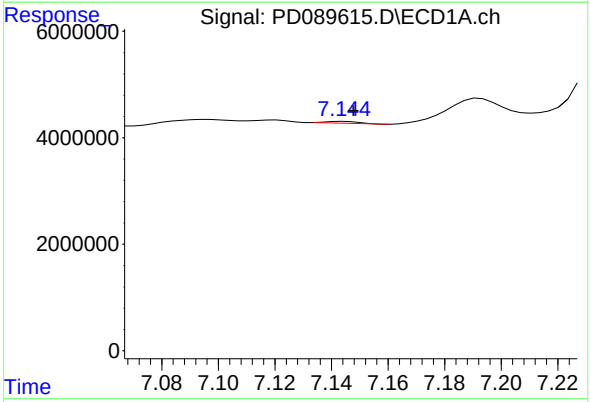
R.T.: 6.918 min
Delta R.T.: 0.004 min
Response: 5500873
Conc: 1.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-41-071725



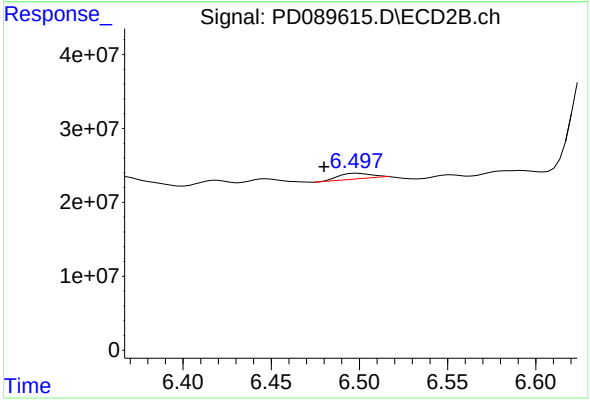
#18 Endrin aldehyde

R.T.: 6.273 min
Delta R.T.: 0.017 min
Response: 20441375
Conc: 1.23 ng/ml



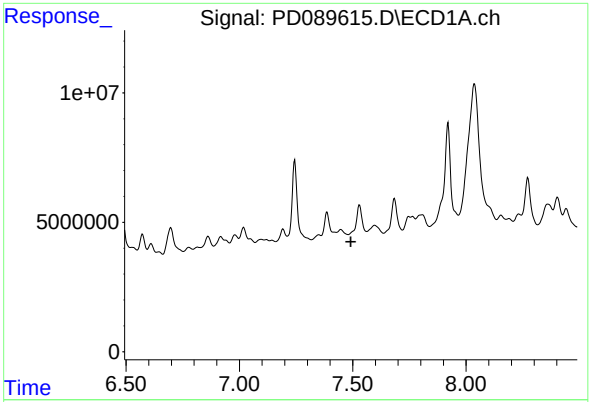
#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: -0.003 min
Response: 285640
Conc: 0.08 ng/ml



#19 Endosulfan Sulfate

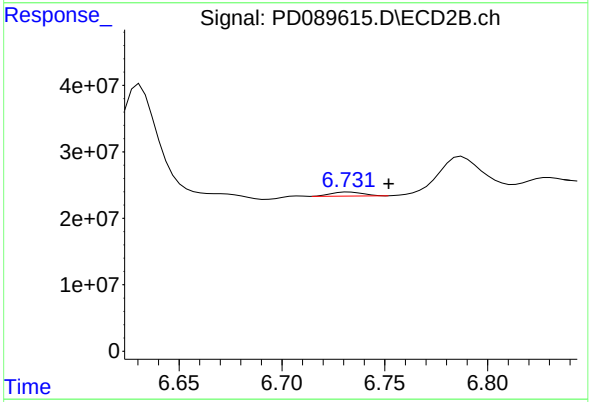
R.T.: 6.499 min
Delta R.T.: 0.019 min
Response: 9966263
Conc: 0.45 ng/ml



#20 Methoxychlor

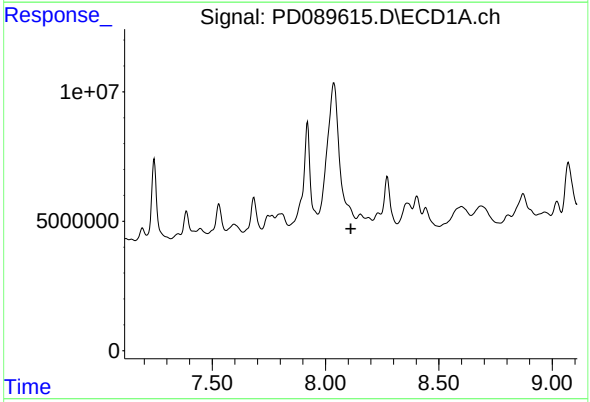
R.T.: 0.000 min
Exp R.T. : 7.492 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-41-071725



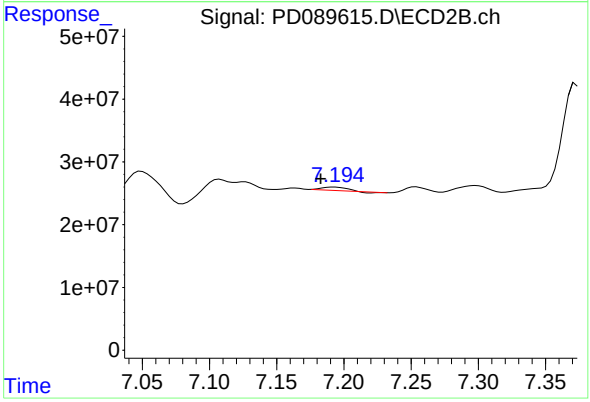
#20 Methoxychlor

R.T.: 6.733 min
Delta R.T.: -0.019 min
Response: 6640529
Conc: 0.54 ng/ml



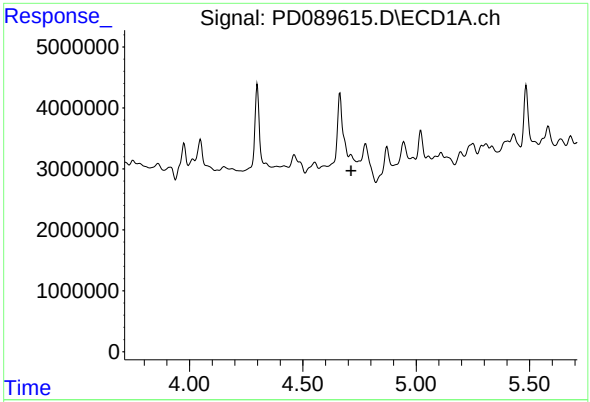
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.112 min
Response: 0
Conc: N.D.



#22 Mirex

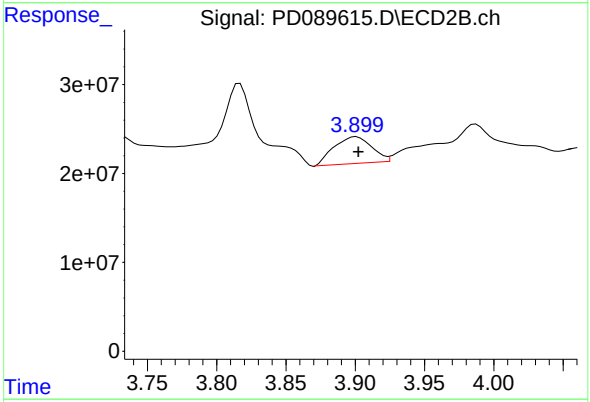
R.T.: 7.193 min
Delta R.T.: 0.010 min
Response: 4714337
Conc: 0.24 ng/ml



#23 Chlordane-1

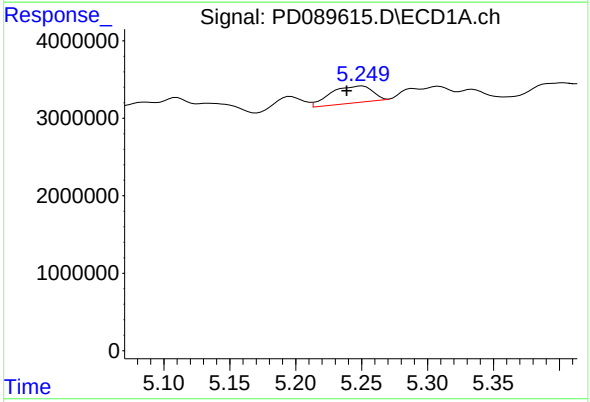
R.T.: 4.712 min
Delta R.T.: 0.000 min
Response: -2510301
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-41-071725



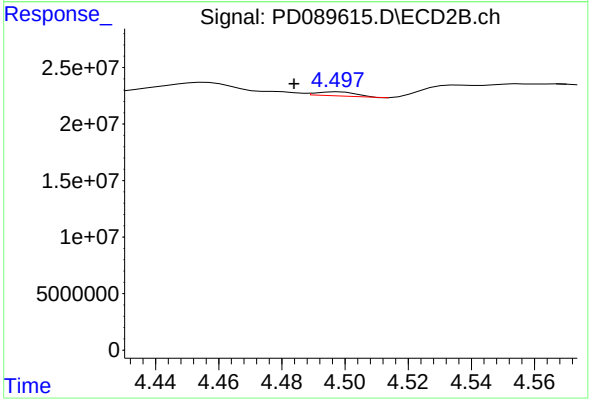
#23 Chlordane-1

R.T.: 3.901 min
Delta R.T.: -0.002 min
Response: 57226461
Conc: 61.62 ng/ml



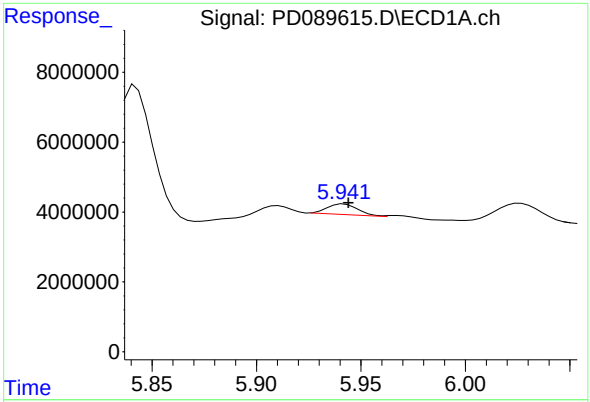
#24 Chlordane-2

R.T.: 5.250 min
Delta R.T.: 0.011 min
Response: 4772769
Conc: 23.73 ng/ml



#24 Chlordane-2

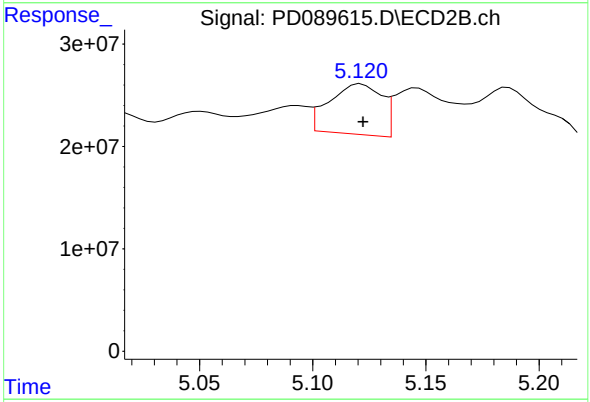
R.T.: 4.498 min
Delta R.T.: 0.014 min
Response: 3101545
Conc: 3.16 ng/ml



#25 Chlordane-3

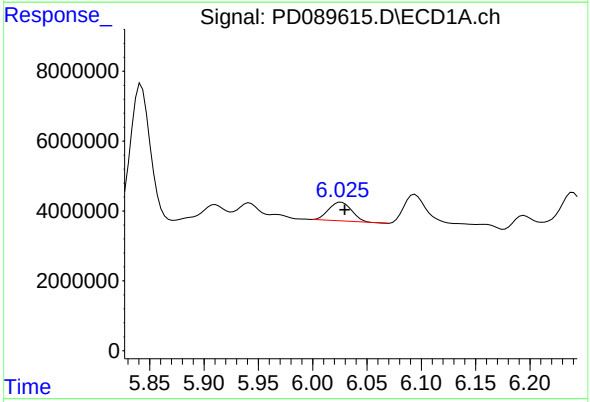
R.T.: 5.942 min
Delta R.T.: -0.002 min
Response: 3136364
Conc: 4.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-41-071725



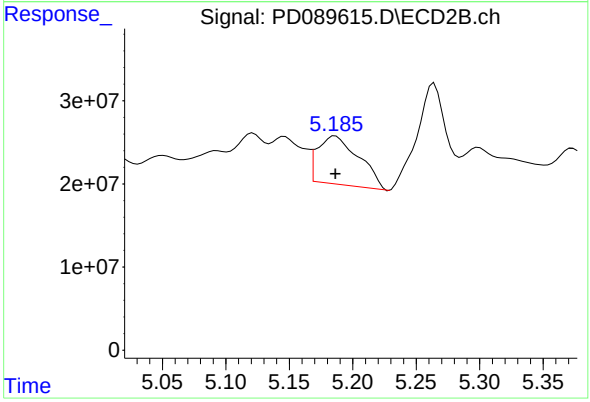
#25 Chlordane-3

R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 78708157
Conc: 27.26 ng/ml



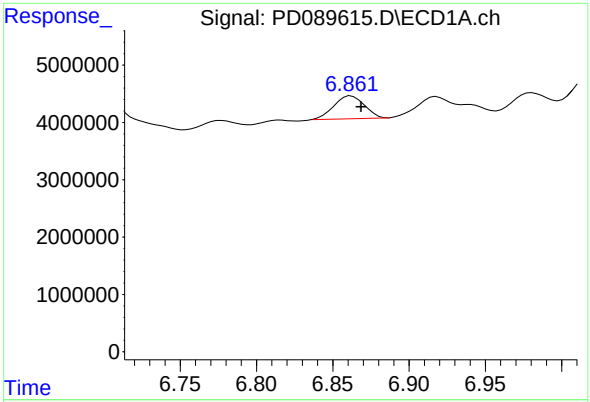
#26 Chlordane-4

R.T.: 6.026 min
Delta R.T.: -0.003 min
Response: 7899094
Conc: 8.32 ng/ml



#26 Chlordane-4

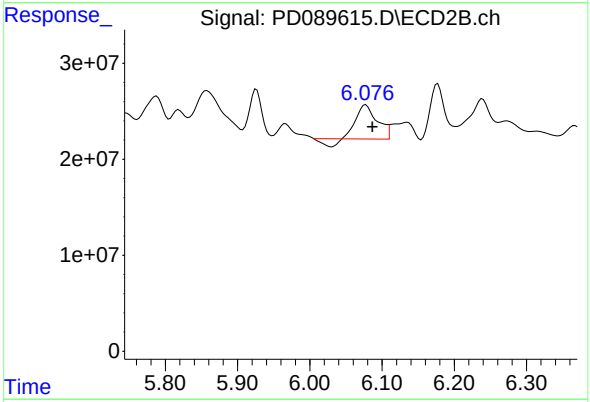
R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 131956715
Conc: 54.70 ng/ml



#27 Chlordane-5

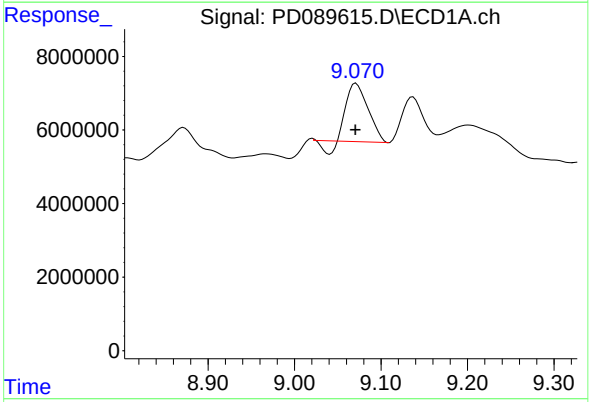
R.T.: 6.862 min
Delta R.T.: -0.006 min
Response: 5541494
Conc: 33.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-41-071725



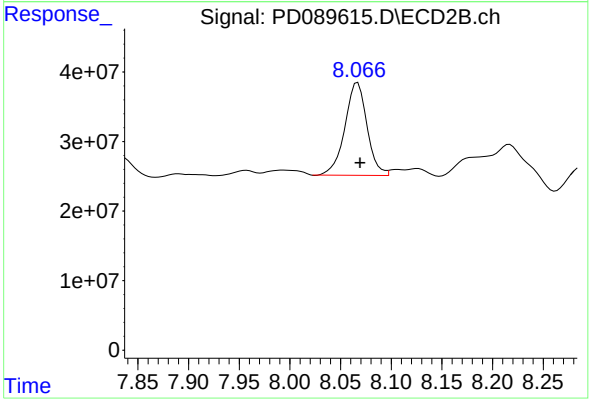
#27 Chlordane-5

R.T.: 6.077 min
Delta R.T.: -0.009 min
Response: 65185292
Conc: 55.79 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 25577081
Conc: 6.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.003 min
Response: 202995963
Conc: 8.26 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089616.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:51
Operator : AR\AJ
Sample : Q2639-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:14:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.879	34340372	547.1E6	11.918	27.961	#
28)	SA Decachlor...	9.069	8.066	17535893	157.2E6	4.270	6.400	#
	Target Compounds							
2)	A alpha-BHC	3.980f	3.415f	640594	138.3E6	0.112	4.603	#
3)	MA gamma-BHC...	4.333	3.738	3140026	15838914	0.569	0.571	
4)	MA Heptachlor	4.951f	4.109f	11872278	43458370	2.177	1.551	#
5)	MB Aldrin	0.000	4.374	0	1616173	N.D.	0.059	#
7)	B delta-BHC	4.775	4.267	8686076	10835162	1.643	0.388	#
8)	B Heptachlo...	5.699	4.867	5225460	8605291	1.106	0.346	#
9)	A Endosulfan I	6.064	5.264f	687867	52396605	0.155	2.207	#
10)	B gamma-Chl...	5.942	5.120	7421261	79163834	1.565	2.959	#
11)	B alpha-Chl...	6.026	5.187	10465344	63040424	2.196	2.444	
12)	B 4,4'-DDE	6.192	5.372	6246614	31851852	1.455	1.213	
13)	MA Dieldrin	6.347	5.508	2784200	29777987	0.590	1.127	#
14)	MA Endrin	6.578	5.788	6149567	23824841	1.510	0.985	#
15)	B Endosulfa...	0.000	6.100f	0	60320419	N.D.	2.626	#
16)	A 4,4'-DDD	6.688f	5.927	2160825	-2940123	0.638	N.D.	#
17)	MA 4,4'-DDT	7.020	6.192	1629465	67143907	0.432	2.869	#
18)	B Endrin al...	6.931f	6.240f	9471670	99657901	3.249	6.004	#
19)	B Endosulfa...	0.000	6.452f	0	16869948	N.D.	0.760	#
21)	B Endrin ke...	7.613	0.000	585483	0	0.145	N.D.	#
22)	Mirex	0.000	7.187	0	35605715	N.D.	1.842	#
24)	Chlordane-2	5.233	4.486	8042431	20663328	39.995	21.080	#
25)	Chlordane-3	5.942	5.120	7421261	79163834	9.524	27.421	#
26)	Chlordane-4	6.026	5.187	10465344	63040424	11.025	26.134	#
27)	Chlordane-5	6.863	6.100	1309008	60320419	7.937	51.624	#

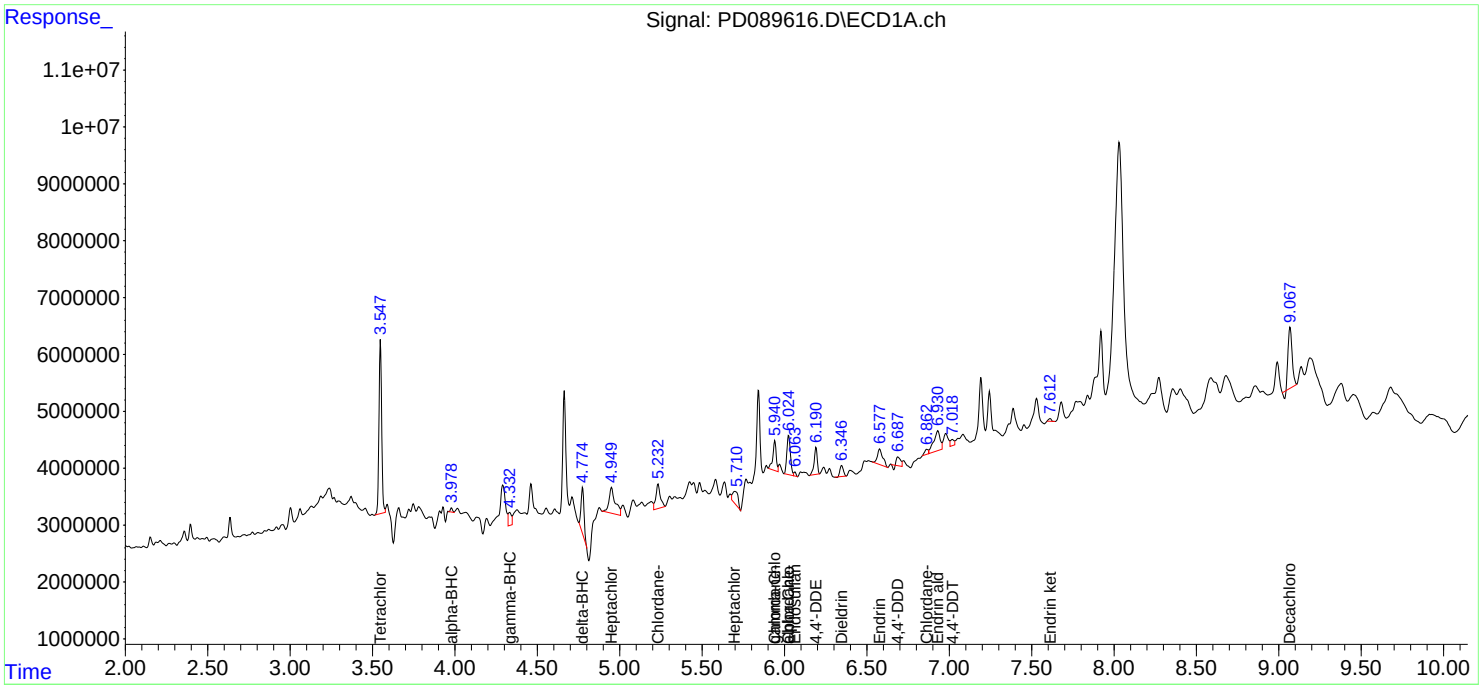
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

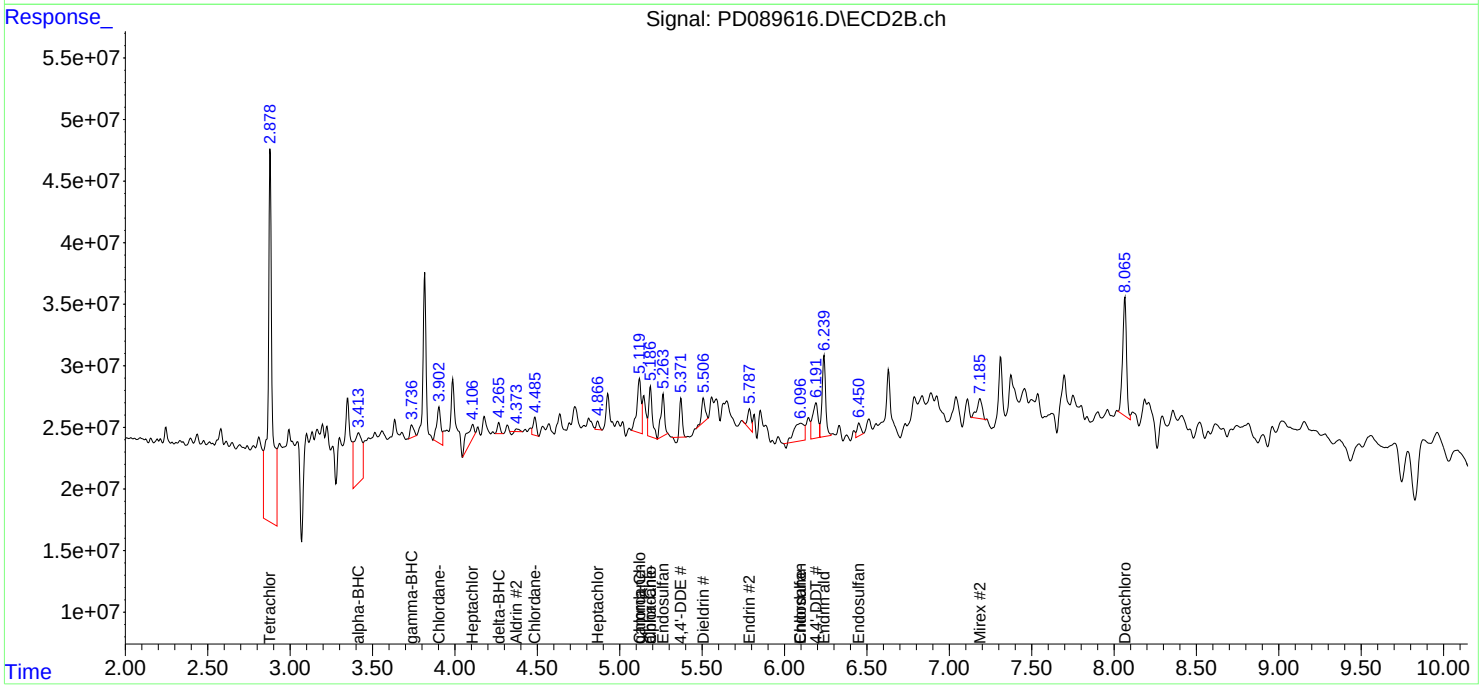
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089616.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 19:51
Operator : AR\AJ
Sample : Q2639-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

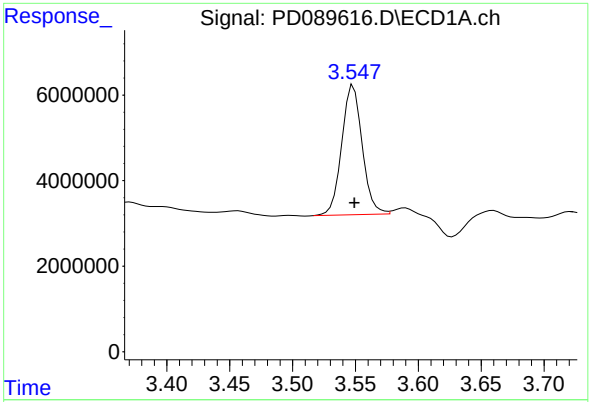
Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:14:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



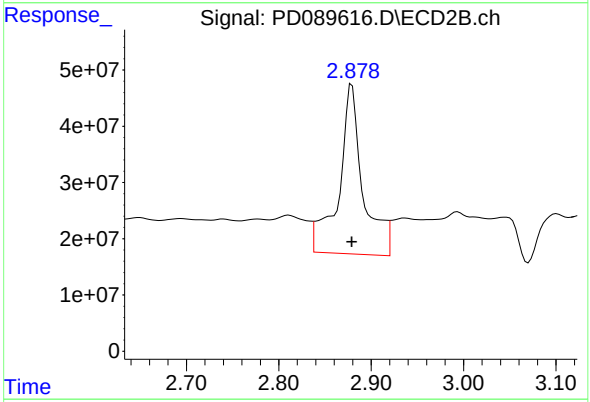




#1 Tetrachloro-m-xylene

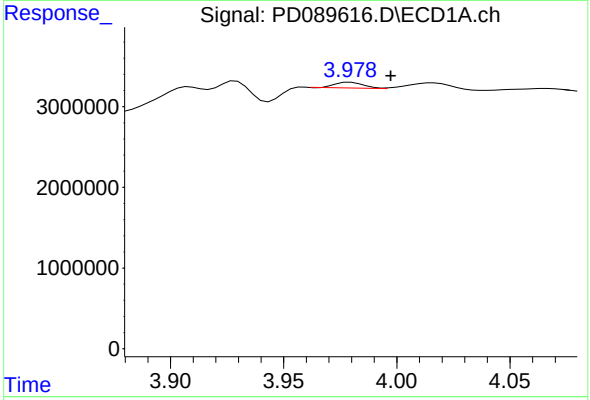
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 34340372
Conc: 11.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725



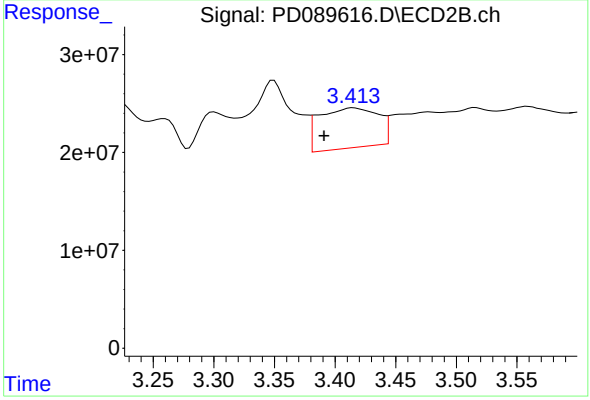
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 547092069
Conc: 27.96 ng/ml



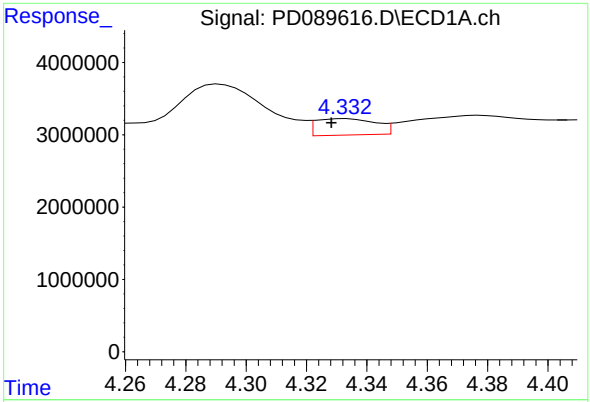
#2 alpha-BHC

R.T.: 3.980 min
Delta R.T.: -0.018 min
Response: 640594
Conc: 0.11 ng/ml



#2 alpha-BHC

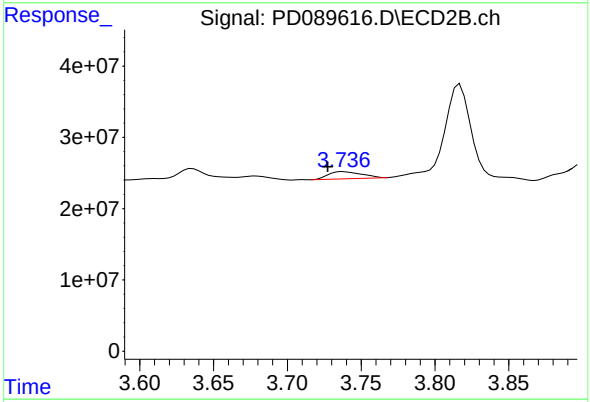
R.T.: 3.415 min
Delta R.T.: 0.024 min
Response: 138305980
Conc: 4.60 ng/ml



#3 gamma-BHC (Lindane)

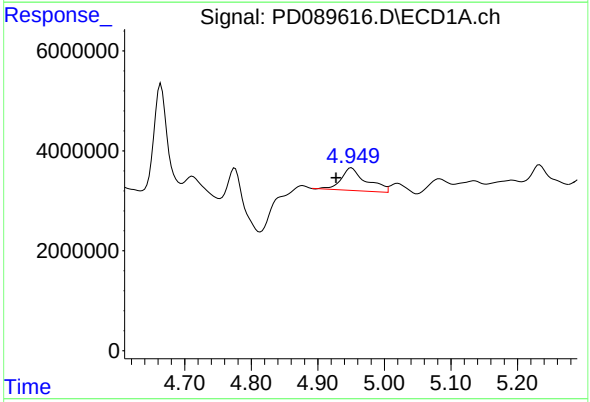
R.T.: 4.333 min
Delta R.T.: 0.005 min
Response: 3140026
Conc: 0.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725



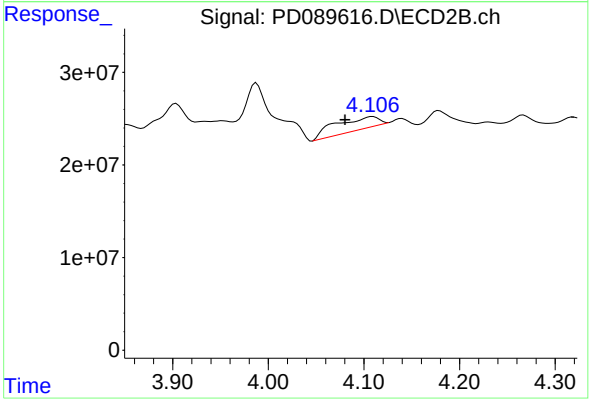
#3 gamma-BHC (Lindane)

R.T.: 3.738 min
Delta R.T.: 0.010 min
Response: 15838914
Conc: 0.57 ng/ml



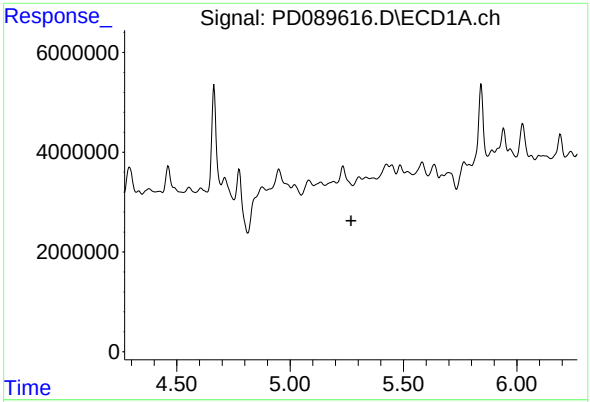
#4 Heptachlor

R.T.: 4.951 min
Delta R.T.: 0.023 min
Response: 11872278
Conc: 2.18 ng/ml



#4 Heptachlor

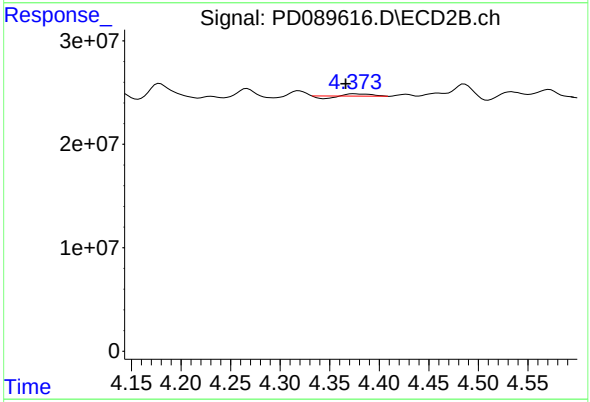
R.T.: 4.109 min
Delta R.T.: 0.029 min
Response: 43458370
Conc: 1.55 ng/ml



#5 Aldrin

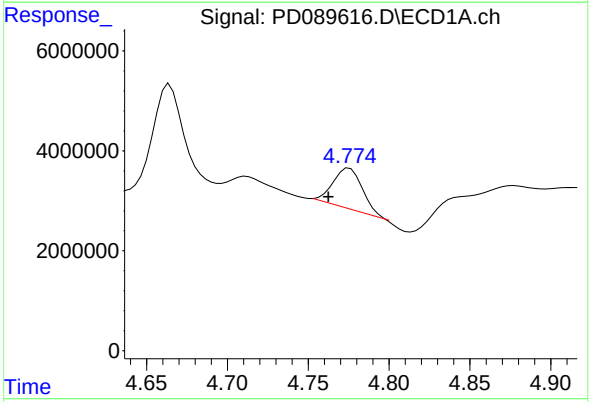
R.T.: 0.000 min
Exp R.T. : 5.269 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725



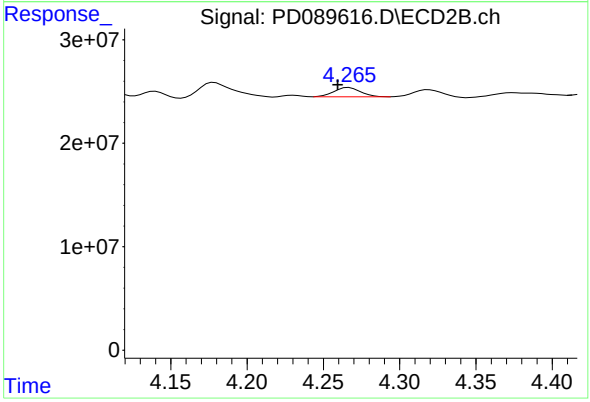
#5 Aldrin

R.T.: 4.374 min
Delta R.T.: 0.008 min
Response: 1616173
Conc: 0.06 ng/ml



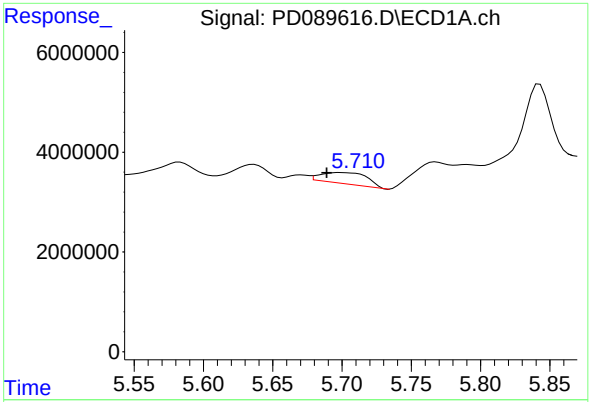
#7 delta-BHC

R.T.: 4.775 min
Delta R.T.: 0.013 min
Response: 8686076
Conc: 1.64 ng/ml



#7 delta-BHC

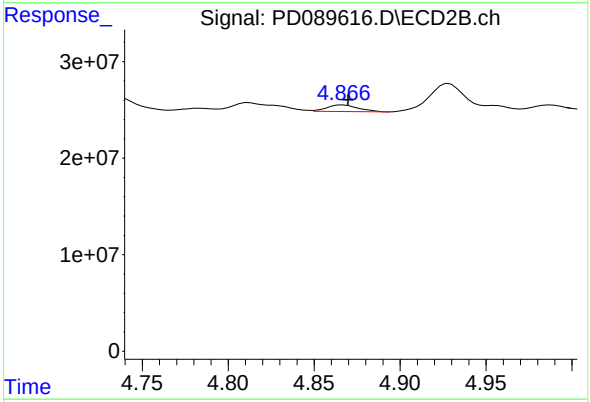
R.T.: 4.267 min
Delta R.T.: 0.007 min
Response: 10835162
Conc: 0.39 ng/ml



#8 Heptachlor epoxide

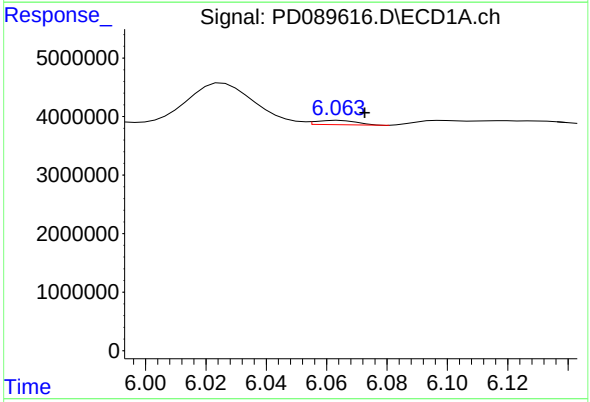
R.T.: 5.699 min
Delta R.T.: 0.010 min
Response: 5225460
Conc: 1.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725



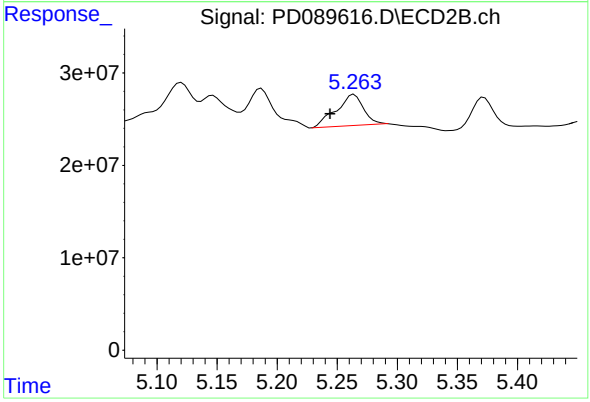
#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: -0.003 min
Response: 8605291
Conc: 0.35 ng/ml



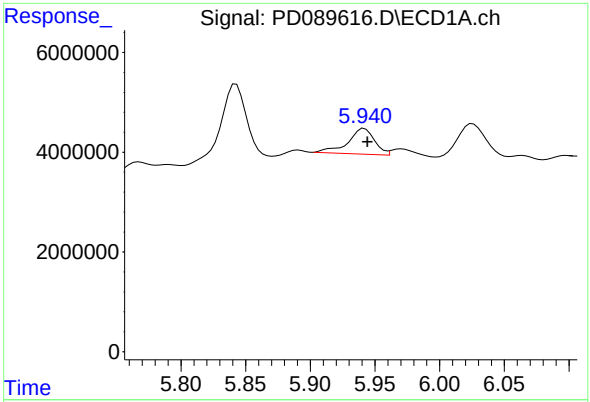
#9 Endosulfan I

R.T.: 6.064 min
Delta R.T.: -0.009 min
Response: 687867
Conc: 0.15 ng/ml



#9 Endosulfan I

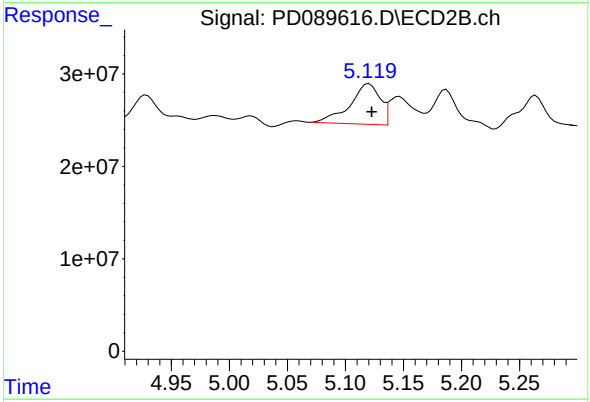
R.T.: 5.264 min
Delta R.T.: 0.020 min
Response: 52396605
Conc: 2.21 ng/ml



#10 gamma-Chlordane

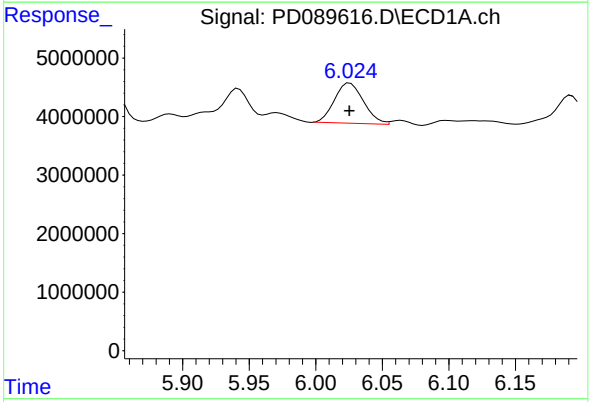
R.T.: 5.942 min
Delta R.T.: -0.002 min
Response: 7421261
Conc: 1.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725



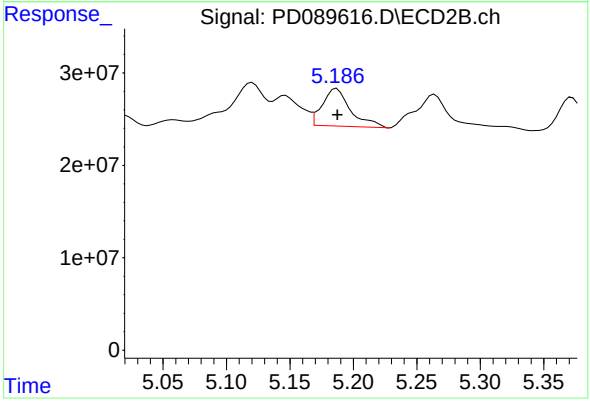
#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: -0.003 min
Response: 79163834
Conc: 2.96 ng/ml



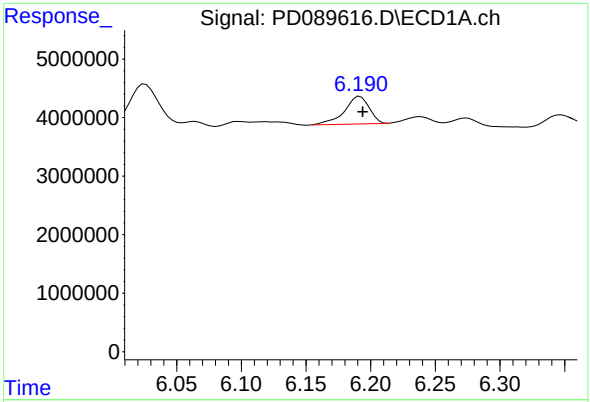
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.000 min
Response: 10465344
Conc: 2.20 ng/ml



#11 alpha-Chlordane

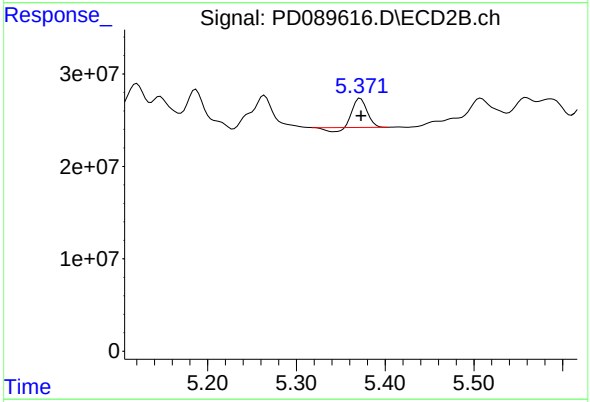
R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 63040424
Conc: 2.44 ng/ml



#12 4,4'-DDE

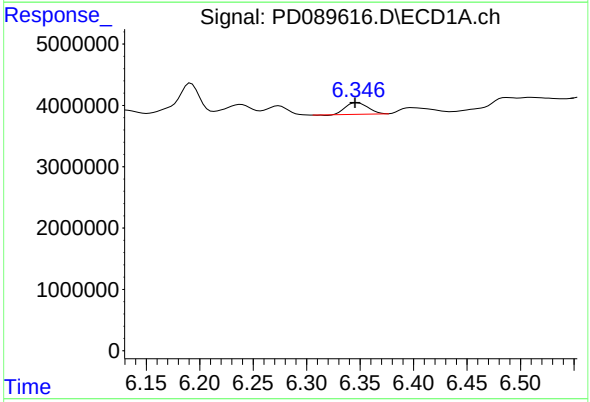
R.T.: 6.192 min
Delta R.T.: -0.002 min
Response: 6246614
Conc: 1.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725



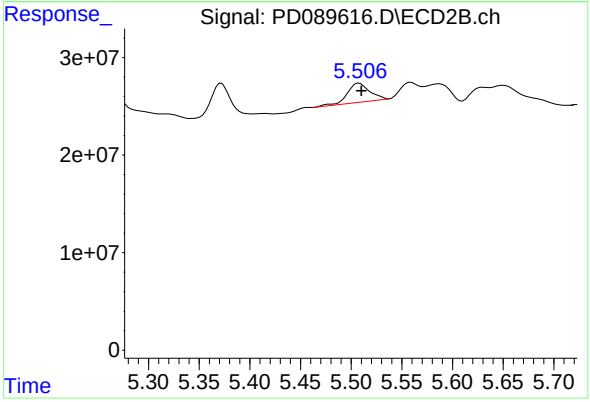
#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 31851852
Conc: 1.21 ng/ml



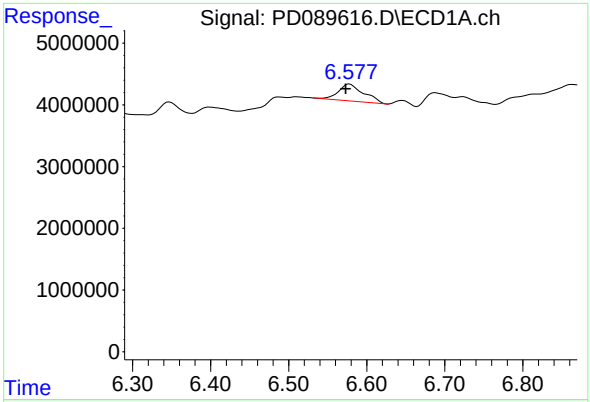
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.002 min
Response: 2784200
Conc: 0.59 ng/ml



#13 Dieldrin

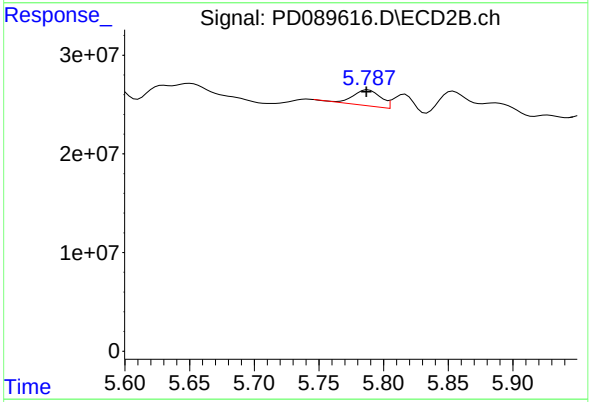
R.T.: 5.508 min
Delta R.T.: -0.002 min
Response: 29777987
Conc: 1.13 ng/ml



#14 Endrin

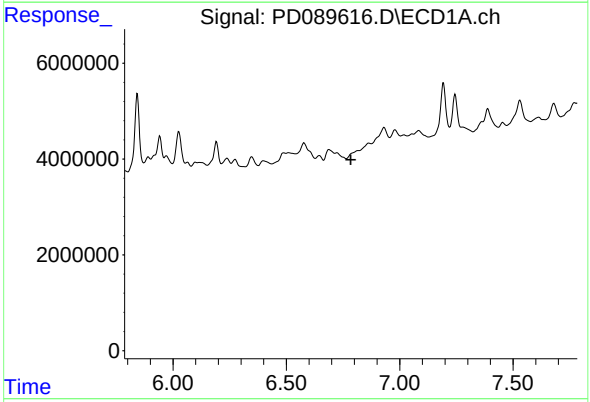
R.T.: 6.578 min
Delta R.T.: 0.005 min
Response: 6149567
Conc: 1.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725



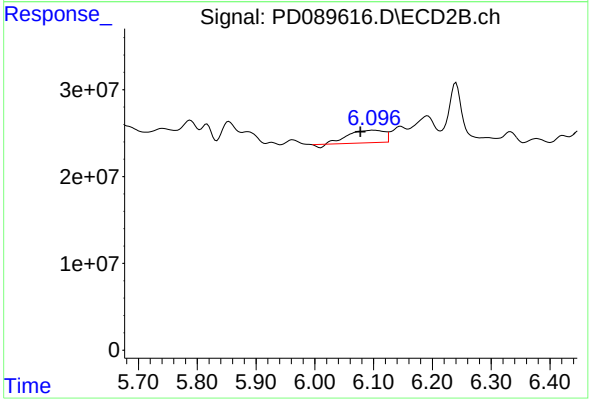
#14 Endrin

R.T.: 5.788 min
Delta R.T.: 0.001 min
Response: 23824841
Conc: 0.99 ng/ml



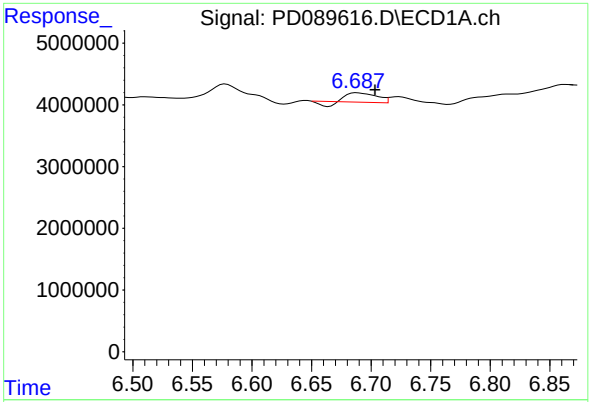
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.784 min
Response: 0
Conc: N.D.



#15 Endosulfan II

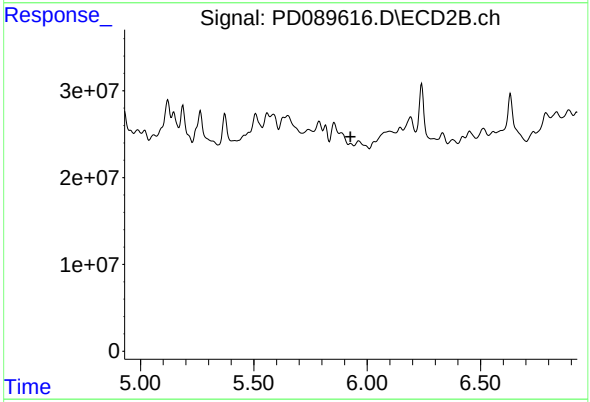
R.T.: 6.100 min
Delta R.T.: 0.022 min
Response: 60320419
Conc: 2.63 ng/ml



#16 4,4'-DDD

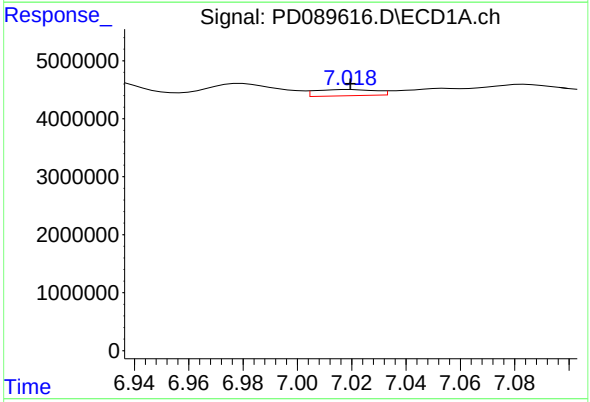
R.T.: 6.688 min
Delta R.T.: -0.015 min
Response: 2160825
Conc: 0.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725



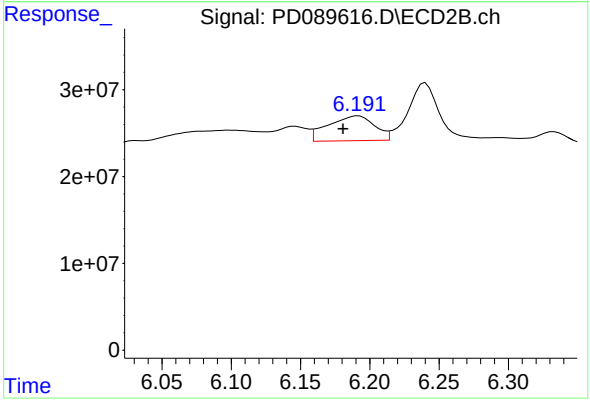
#16 4,4'-DDD

R.T.: 5.927 min
Delta R.T.: 0.000 min
Response: -2940123
Conc: N.D.



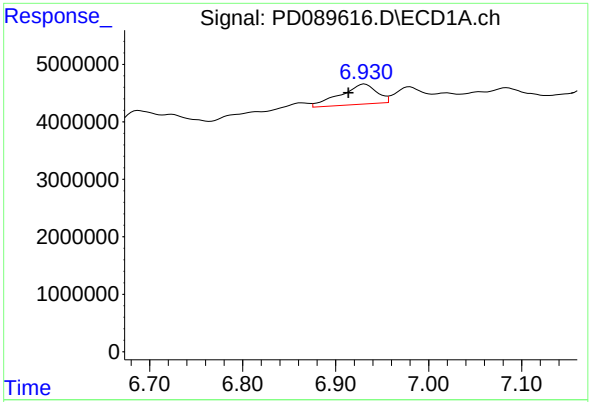
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 1629465
Conc: 0.43 ng/ml



#17 4,4'-DDT

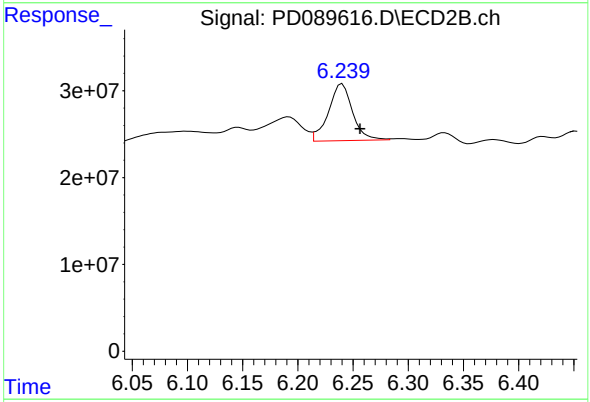
R.T.: 6.192 min
Delta R.T.: 0.011 min
Response: 67143907
Conc: 2.87 ng/ml



#18 Endrin aldehyde

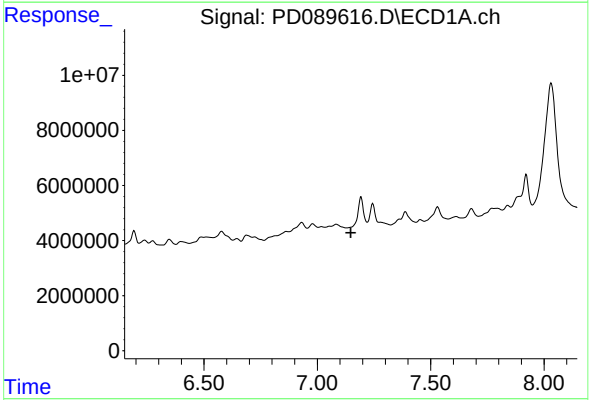
R.T.: 6.931 min
Delta R.T.: 0.018 min
Response: 9471670
Conc: 3.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725



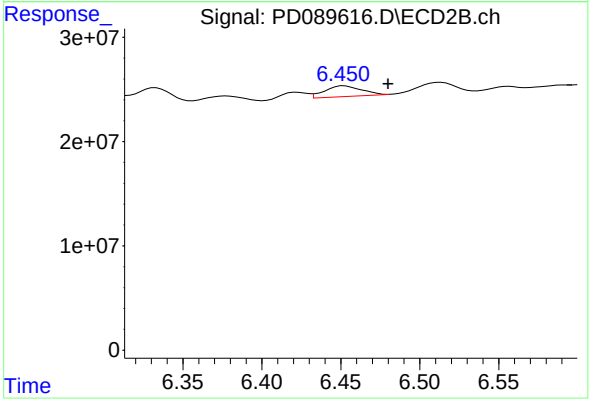
#18 Endrin aldehyde

R.T.: 6.240 min
Delta R.T.: -0.016 min
Response: 99657901
Conc: 6.00 ng/ml



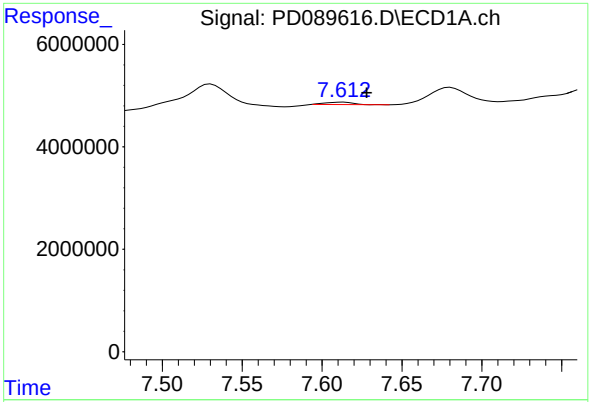
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T. : 7.148 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

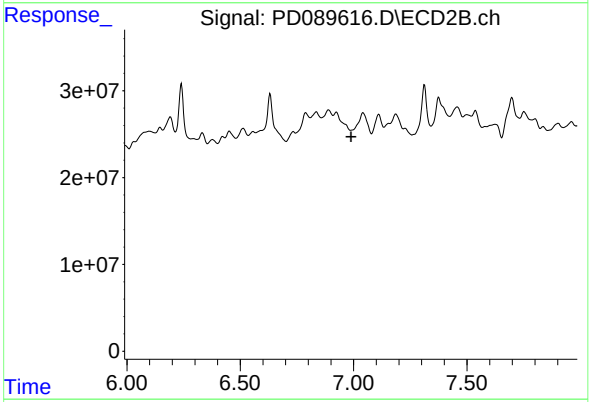
R.T.: 6.452 min
Delta R.T.: -0.028 min
Response: 16869948
Conc: 0.76 ng/ml



#21 Endrin ketone

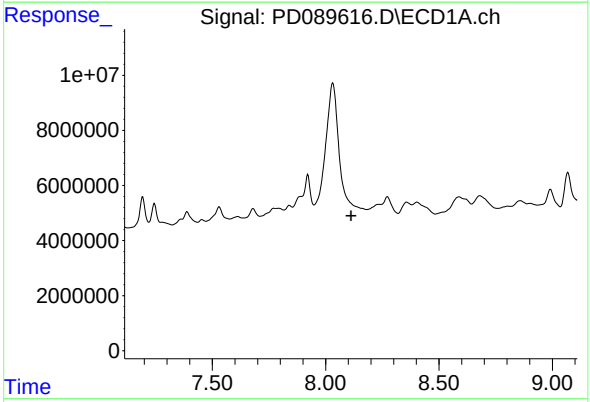
R.T.: 7.613 min
Delta R.T.: -0.015 min
Response: 585483
Conc: 0.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725



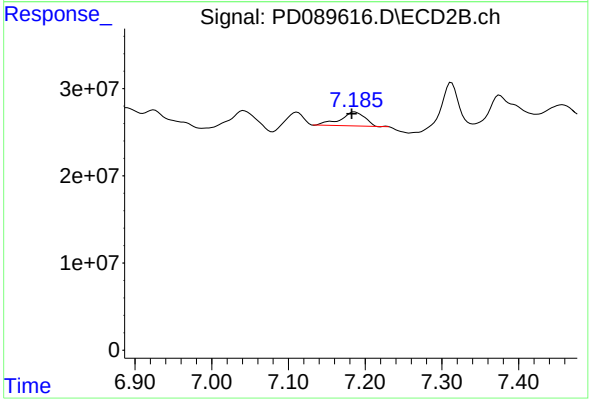
#21 Endrin ketone

R.T.: 0.000 min
Exp R.T. : 6.989 min
Response: 0
Conc: N.D.



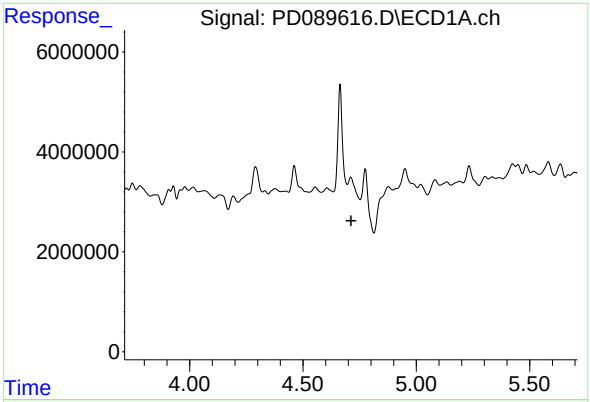
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.112 min
Response: 0
Conc: N.D.



#22 Mirex

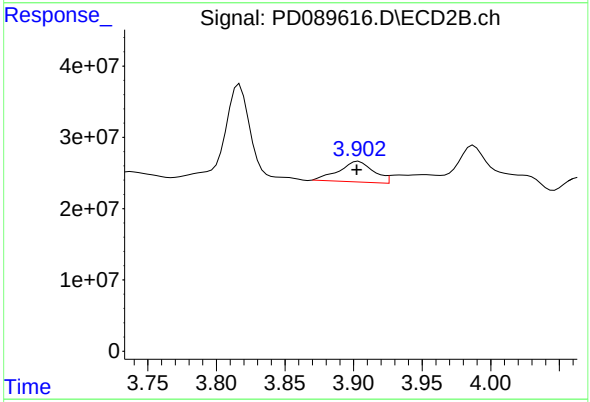
R.T.: 7.187 min
Delta R.T.: 0.004 min
Response: 35605715
Conc: 1.84 ng/ml



#23 Chlordane-1

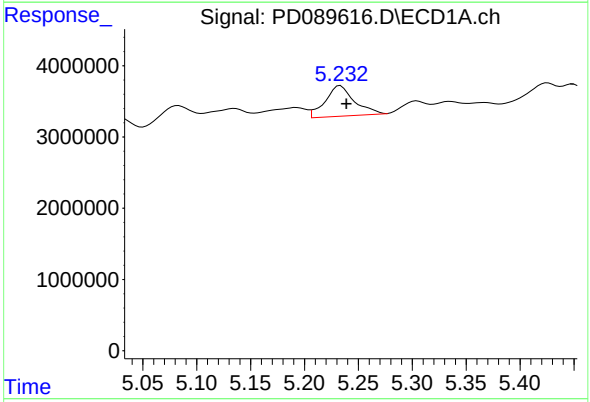
R.T.: 4.712 min
Delta R.T.: 0.000 min
Response: -16997857
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725



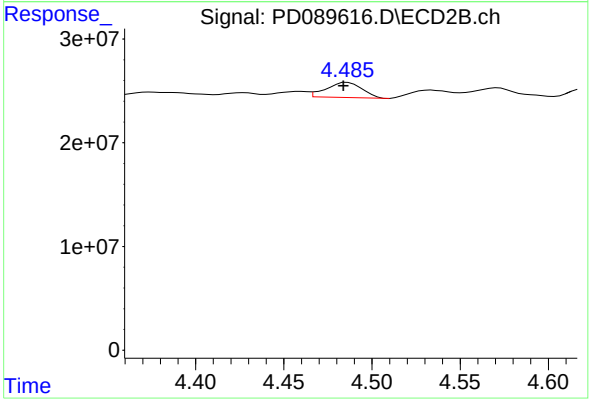
#23 Chlordane-1

R.T.: 3.904 min
Delta R.T.: 0.001 min
Response: 51233068
Conc: 55.17 ng/ml



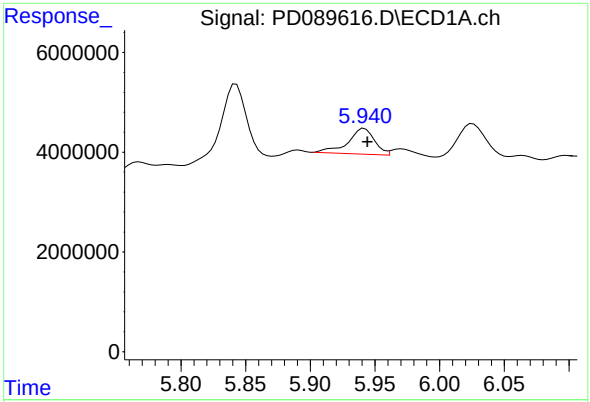
#24 Chlordane-2

R.T.: 5.233 min
Delta R.T.: -0.006 min
Response: 8042431
Conc: 39.99 ng/ml



#24 Chlordane-2

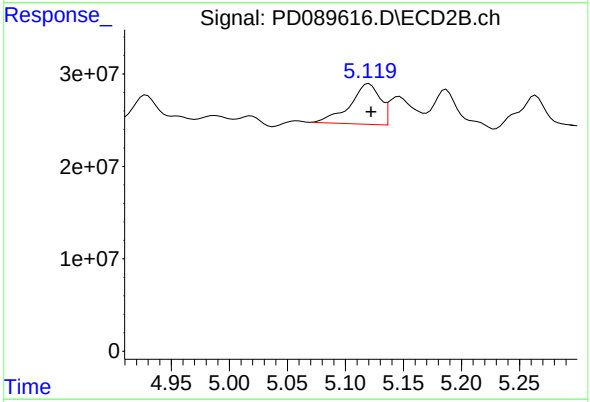
R.T.: 4.486 min
Delta R.T.: 0.002 min
Response: 20663328
Conc: 21.08 ng/ml



#25 Chlordane-3

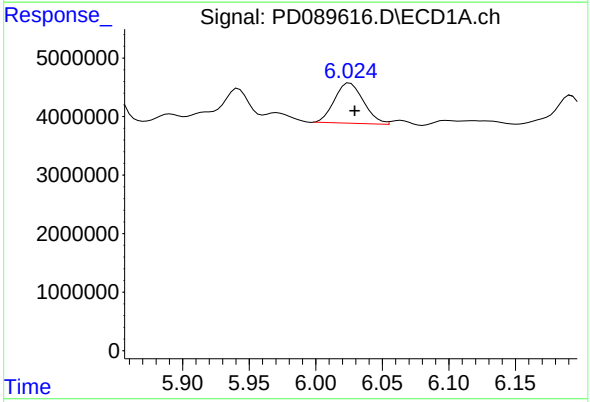
R.T.: 5.942 min
Delta R.T.: -0.002 min
Response: 7421261
Conc: 9.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725



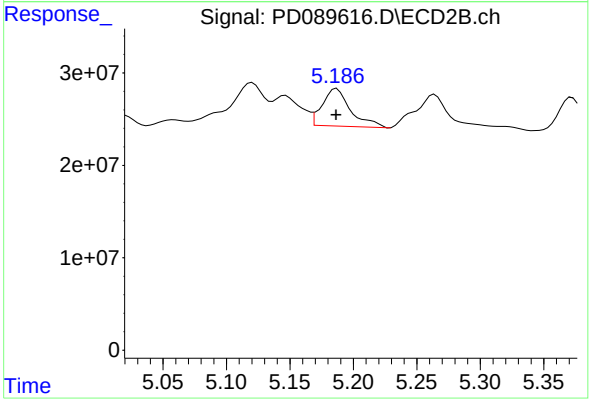
#25 Chlordane-3

R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 79163834
Conc: 27.42 ng/ml



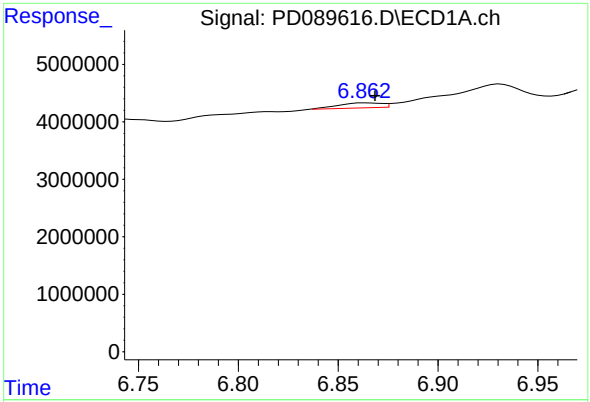
#26 Chlordane-4

R.T.: 6.026 min
Delta R.T.: -0.004 min
Response: 10465344
Conc: 11.02 ng/ml



#26 Chlordane-4

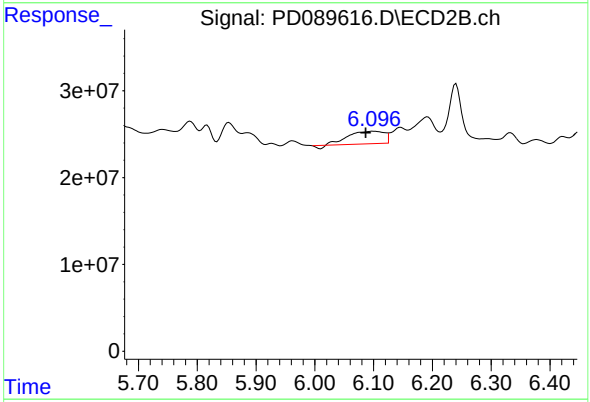
R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 63040424
Conc: 26.13 ng/ml



#27 Chlordane-5

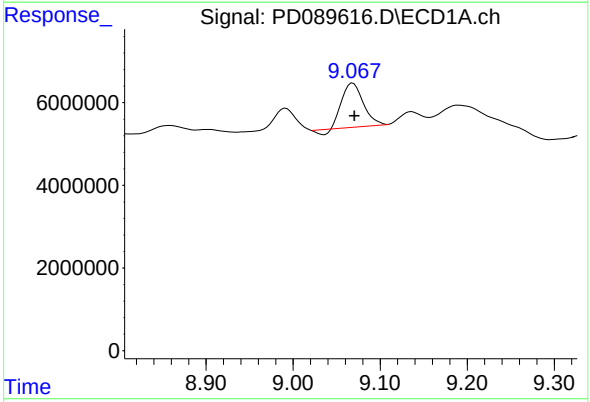
R.T.: 6.863 min
Delta R.T.: -0.005 min
Response: 1309008
Conc: 7.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725



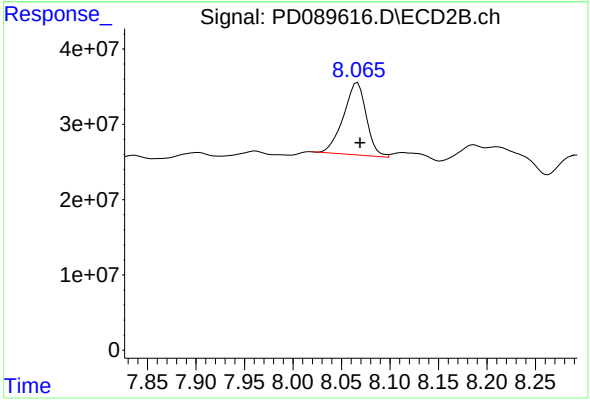
#27 Chlordane-5

R.T.: 6.100 min
Delta R.T.: 0.013 min
Response: 60320419
Conc: 51.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.002 min
Response: 17535893
Conc: 4.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.003 min
Response: 157229837
Conc: 6.40 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089617.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 20:05
Operator : AR\AJ
Sample : Q2639-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:15:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.879	31882280	545.6E6	11.065	27.883	#
28)	SA Decachlor...	9.069	8.065	17767467	159.3E6	4.326	6.485	#
	Target Compounds							
2)	A alpha-BHC	3.981f	3.414f	415907	162.9E6	0.073	5.421	#
3)	MA gamma-BHC...	4.333	3.737	3543662	9713904	0.642	0.350	#
4)	MA Heptachlor	4.950f	4.072	7728656	16462532	1.417	0.588	#
6)	B beta-BHC	4.515	0.000	972933	0	0.451	N.D.	#
7)	B delta-BHC	4.775	4.268	8395293	11752177	1.588	0.421	#
8)	B Heptachlo...	5.696	4.867	6177502	7751992	1.308	0.312	#
9)	A Endosulfan I	6.064	5.264f	669211	51313572	0.151	2.161	#
10)	B gamma-Chl...	5.941	5.120	7473934	86625792	1.576	3.238	#
11)	B alpha-Chl...	6.025	5.186	12156520	65495781	2.550	2.539	
12)	B 4,4'-DDE	6.191	5.372	6401842	41796713	1.491	1.592	
13)	MA Dieldrin	6.346	5.507	2679506	35691848	0.568	1.351	#
14)	MA Endrin	6.578	5.787	5637455	8111479	1.384	0.335	#
15)	B Endosulfa...	6.755f	6.076	13627	33525302	0.003	1.460	#
16)	A 4,4'-DDD	6.687f	5.928	1346844	-2795238	0.397	N.D.	#
17)	MA 4,4'-DDT	7.022	6.192	1406385	76719453	0.373	3.278	#
18)	B Endrin al...	6.930f	6.239f	9093275	110.3E6	3.119	6.647	#
19)	B Endosulfa...	0.000	6.454f	0	32009369	N.D.	1.442	#
21)	B Endrin ke...	7.615	0.000	602943	0	0.150	N.D.	#
22)	Mirex	0.000	7.182	0	27042836	N.D.	1.399	#
24)	Chlordane-2	5.232	4.486	14992558	17158950	74.557	17.505	#
25)	Chlordane-3	5.941	5.120	7473934	86625792	9.592	30.005	#
26)	Chlordane-4	6.025	5.186	12156520	65495781	12.807	27.152	#
27)	Chlordane-5	6.865	6.076	779678	33525302	4.728	28.692	#

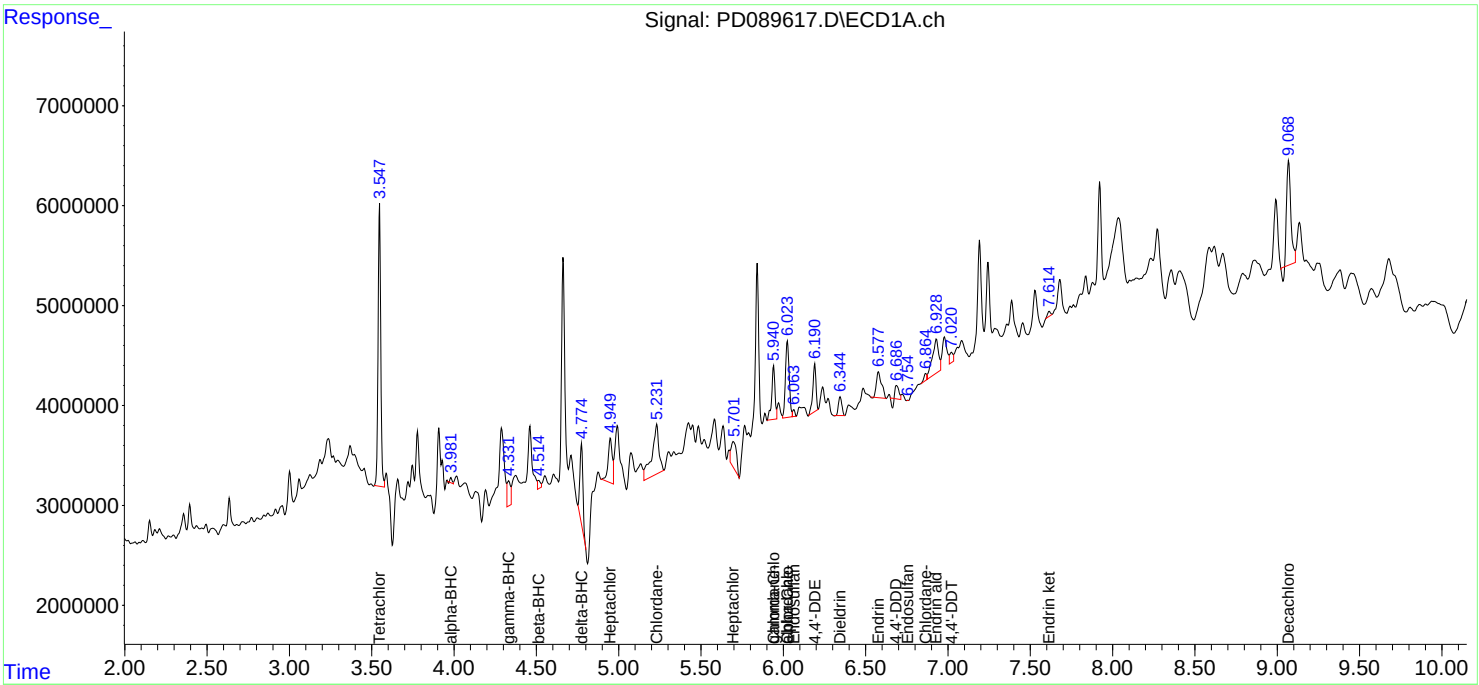
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

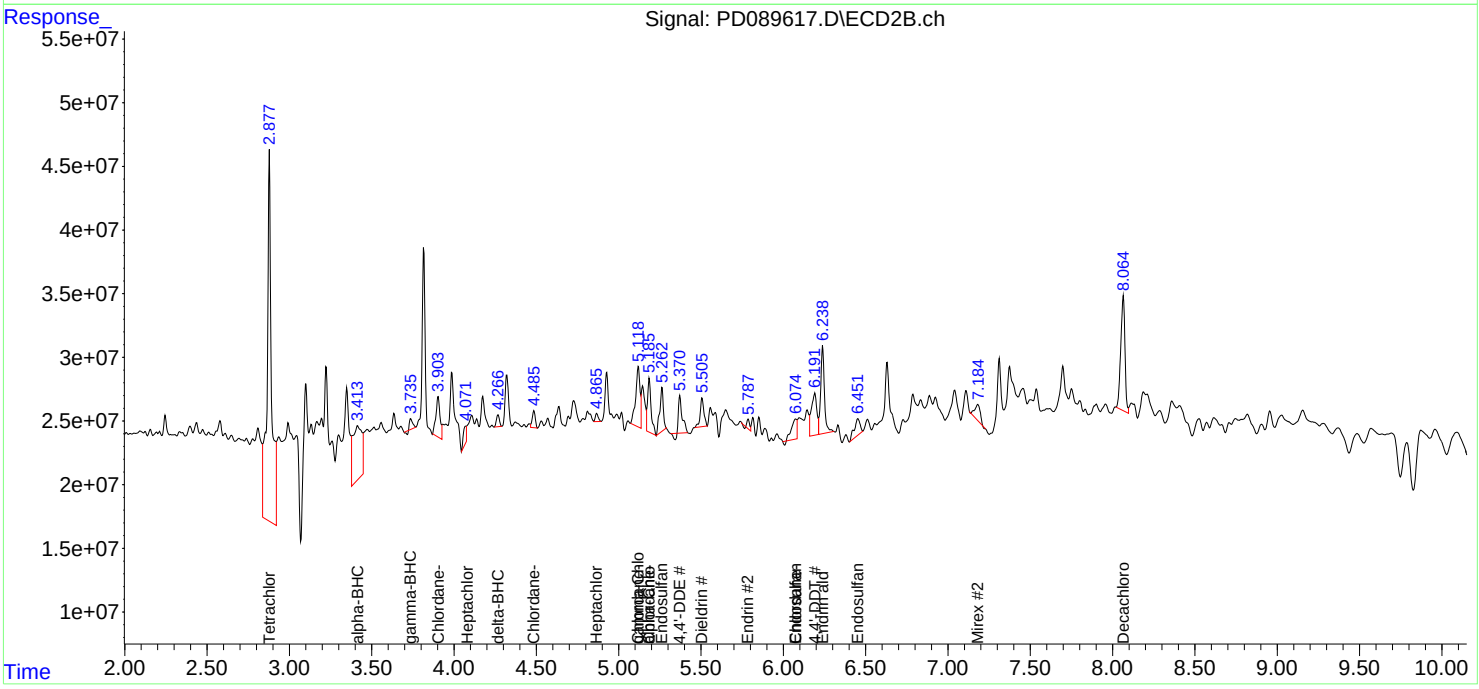
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089617.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 20:05
Operator : AR\AJ
Sample : Q2639-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

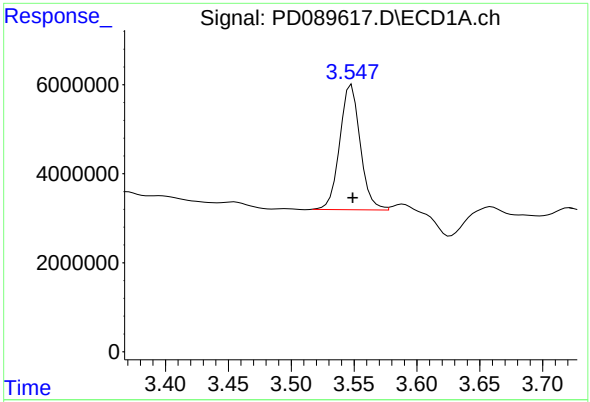
Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:15:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



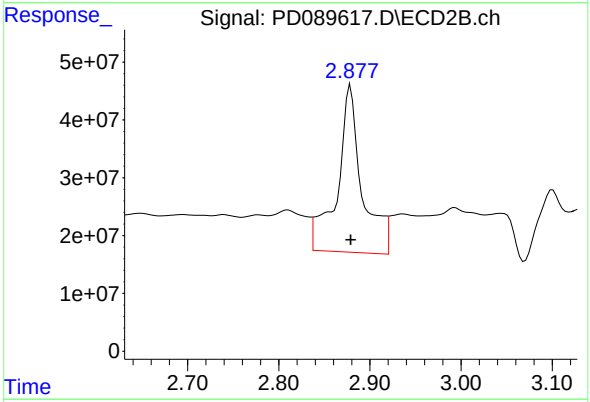




#1 Tetrachloro-m-xylene

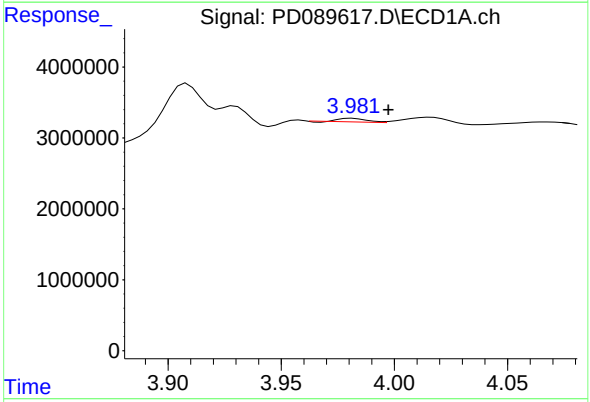
R.T.: 3.548 min
Delta R.T.: -0.001 min
Response: 31882280
Conc: 11.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725



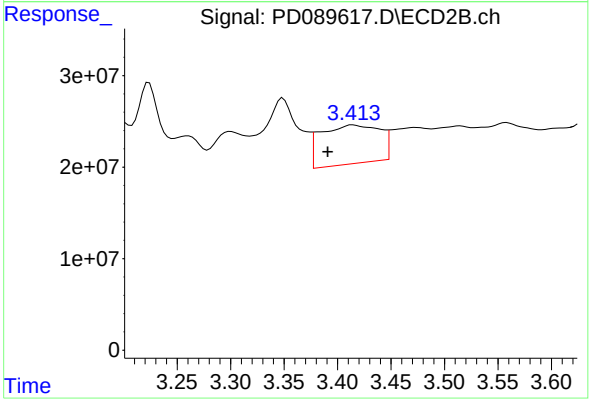
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 545563243
Conc: 27.88 ng/ml



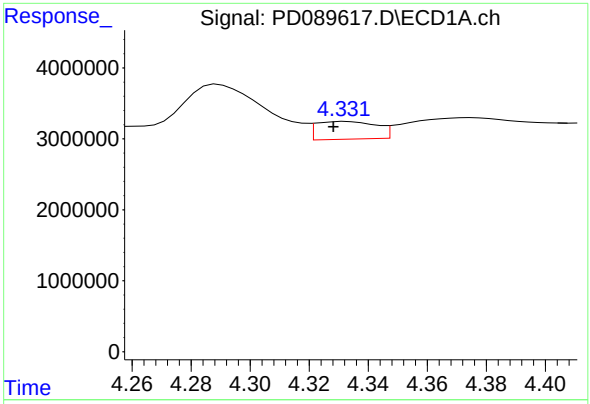
#2 alpha-BHC

R.T.: 3.981 min
Delta R.T.: -0.016 min
Response: 415907
Conc: 0.07 ng/ml



#2 alpha-BHC

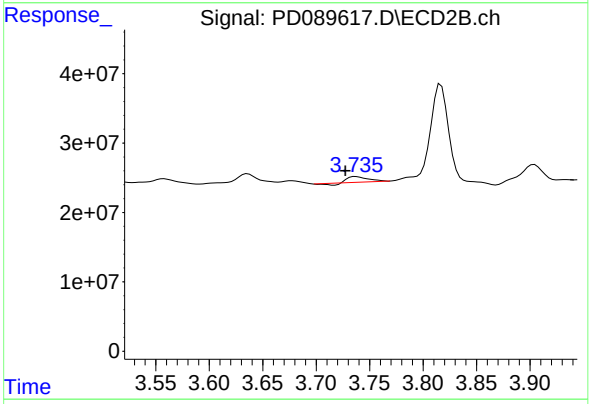
R.T.: 3.414 min
Delta R.T.: 0.023 min
Response: 162882575
Conc: 5.42 ng/ml



#3 gamma-BHC (Lindane)

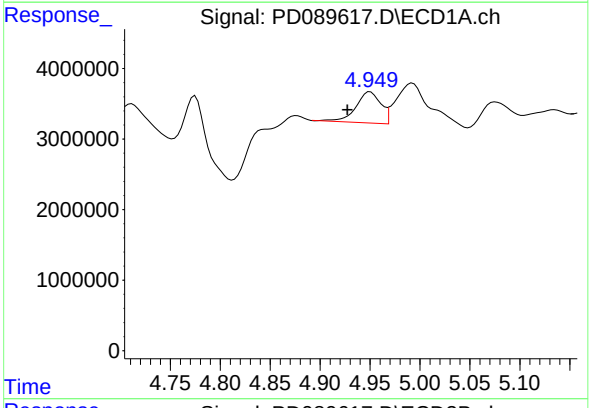
R.T.: 4.333 min
Delta R.T.: 0.004 min
Response: 3543662
Conc: 0.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725



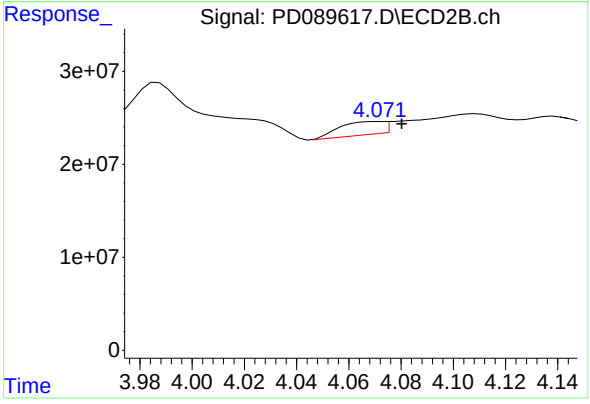
#3 gamma-BHC (Lindane)

R.T.: 3.737 min
Delta R.T.: 0.010 min
Response: 9713904
Conc: 0.35 ng/ml



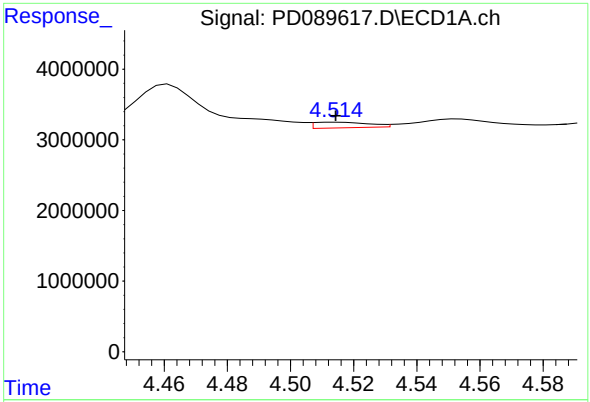
#4 Heptachlor

R.T.: 4.950 min
Delta R.T.: 0.023 min
Response: 7728656
Conc: 1.42 ng/ml



#4 Heptachlor

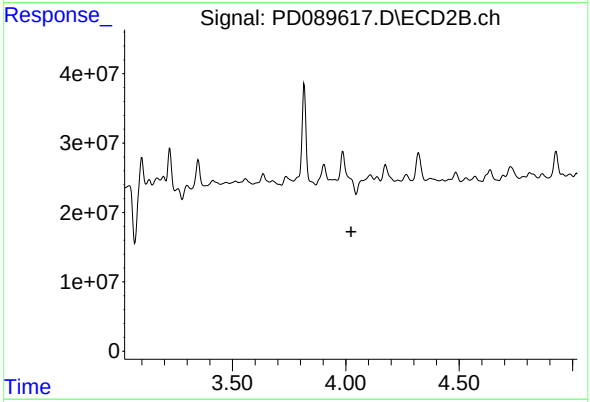
R.T.: 4.072 min
Delta R.T.: -0.008 min
Response: 16462532
Conc: 0.59 ng/ml



#6 beta-BHC

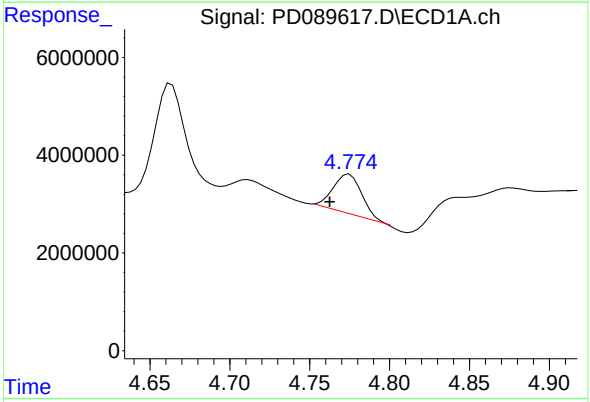
R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 972933
Conc: 0.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725



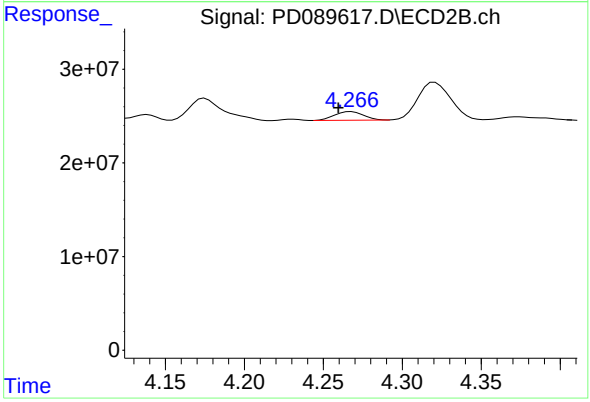
#6 beta-BHC

R.T.: 0.000 min
Exp R.T. : 4.023 min
Response: 0
Conc: N.D.



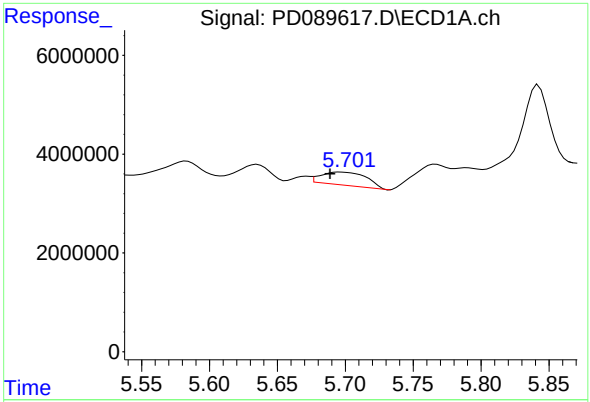
#7 delta-BHC

R.T.: 4.775 min
Delta R.T.: 0.012 min
Response: 8395293
Conc: 1.59 ng/ml



#7 delta-BHC

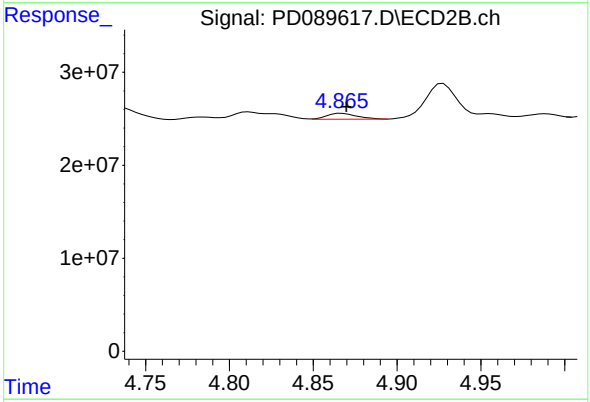
R.T.: 4.268 min
Delta R.T.: 0.008 min
Response: 11752177
Conc: 0.42 ng/ml



#8 Heptachlor epoxide

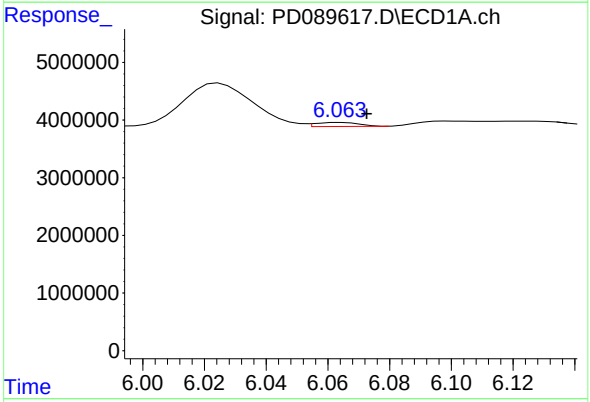
R.T.: 5.696 min
Delta R.T.: 0.008 min
Response: 6177502
Conc: 1.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725



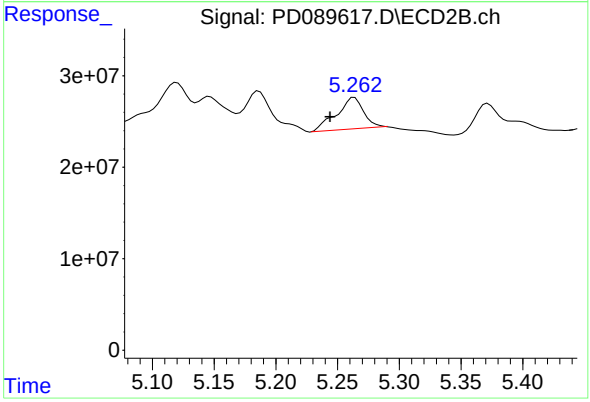
#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: -0.003 min
Response: 7751992
Conc: 0.31 ng/ml



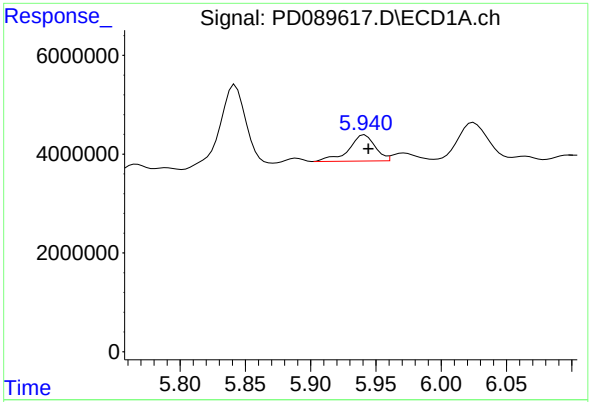
#9 Endosulfan I

R.T.: 6.064 min
Delta R.T.: -0.008 min
Response: 669211
Conc: 0.15 ng/ml



#9 Endosulfan I

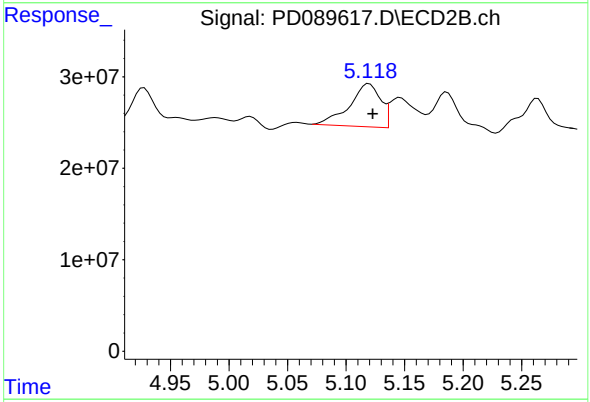
R.T.: 5.264 min
Delta R.T.: 0.020 min
Response: 51313572
Conc: 2.16 ng/ml



#10 gamma-Chlordane

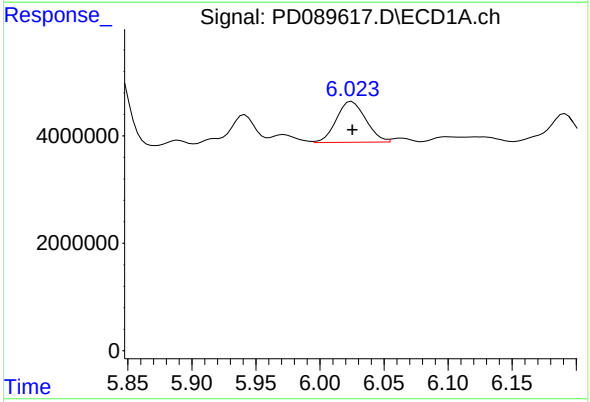
R.T.: 5.941 min
Delta R.T.: -0.003 min
Response: 7473934
Conc: 1.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725



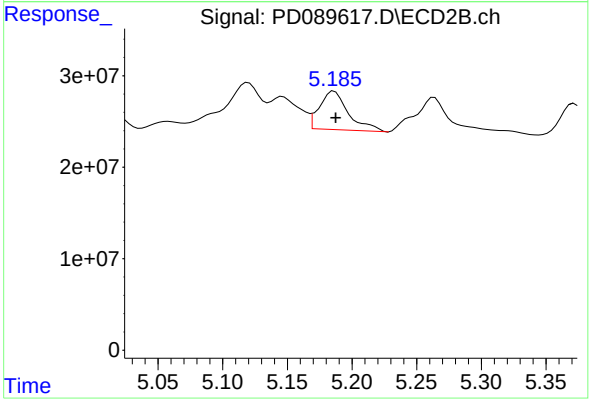
#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: -0.003 min
Response: 86625792
Conc: 3.24 ng/ml



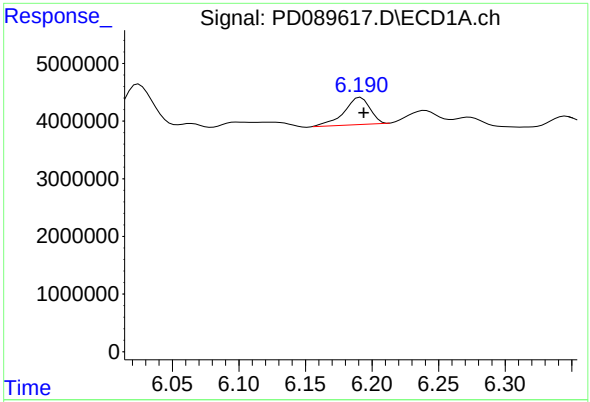
#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: 0.000 min
Response: 12156520
Conc: 2.55 ng/ml



#11 alpha-Chlordane

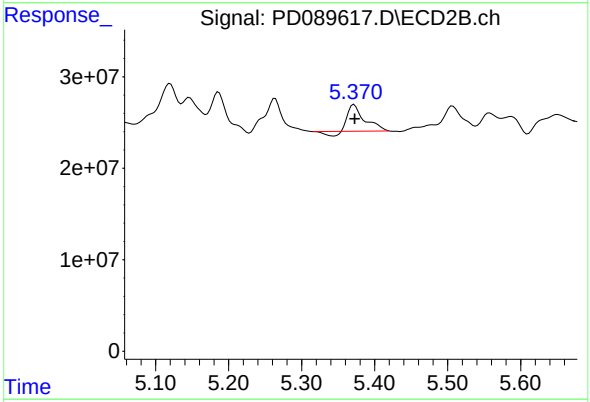
R.T.: 5.186 min
Delta R.T.: -0.001 min
Response: 65495781
Conc: 2.54 ng/ml



#12 4,4'-DDE

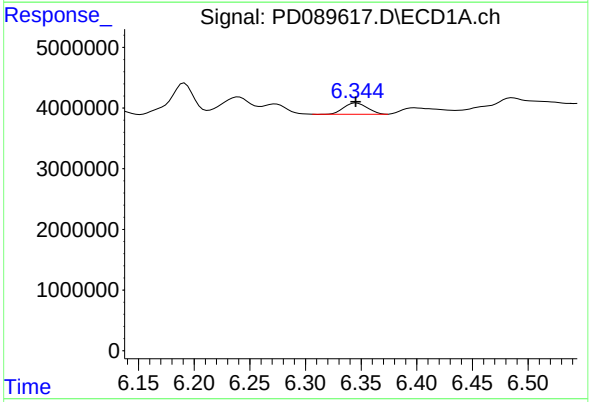
R.T.: 6.191 min
Delta R.T.: -0.002 min
Response: 6401842
Conc: 1.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725



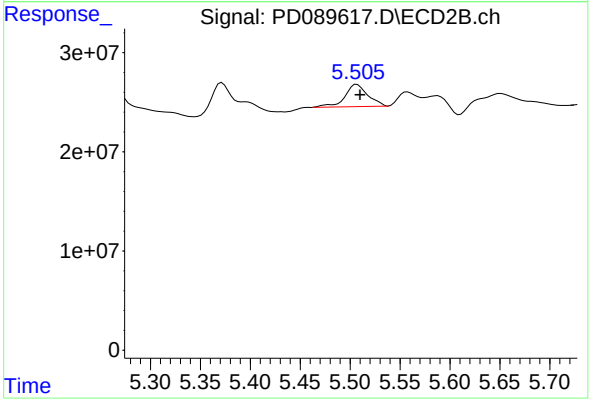
#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 41796713
Conc: 1.59 ng/ml



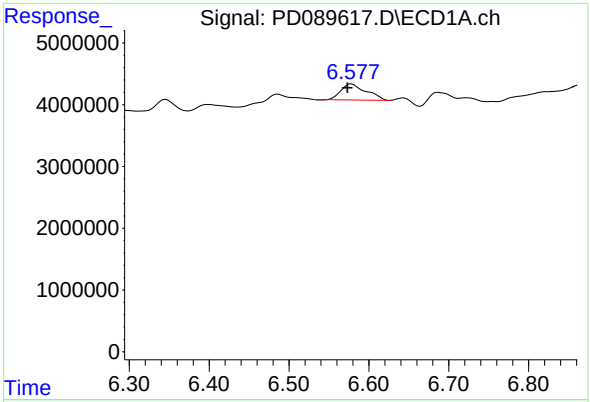
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 2679506
Conc: 0.57 ng/ml



#13 Dieldrin

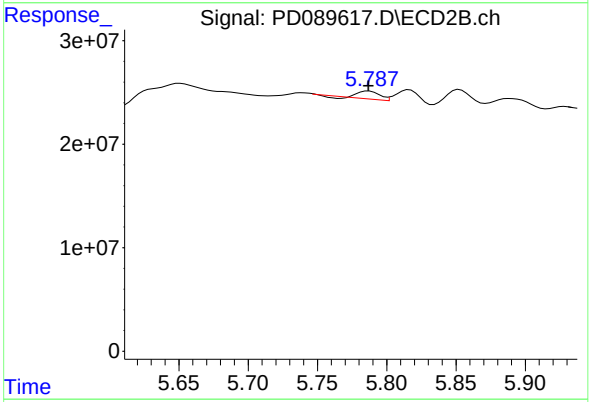
R.T.: 5.507 min
Delta R.T.: -0.003 min
Response: 35691848
Conc: 1.35 ng/ml



#14 Endrin

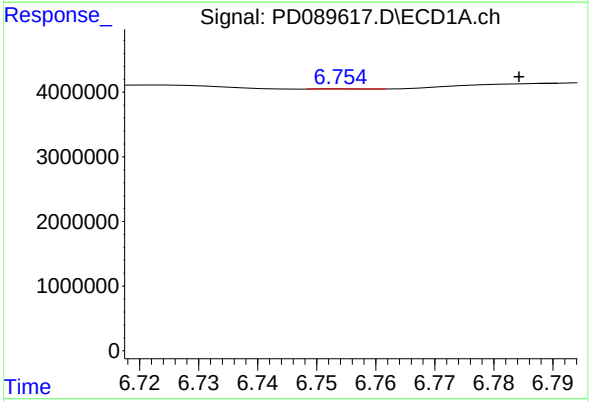
R.T.: 6.578 min
Delta R.T.: 0.005 min
Response: 5637455
Conc: 1.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725



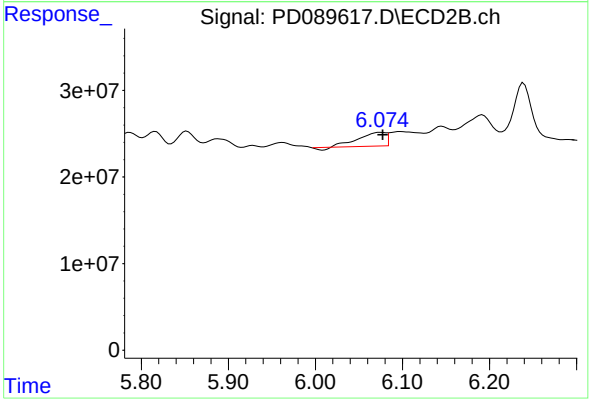
#14 Endrin

R.T.: 5.787 min
Delta R.T.: 0.000 min
Response: 8111479
Conc: 0.34 ng/ml



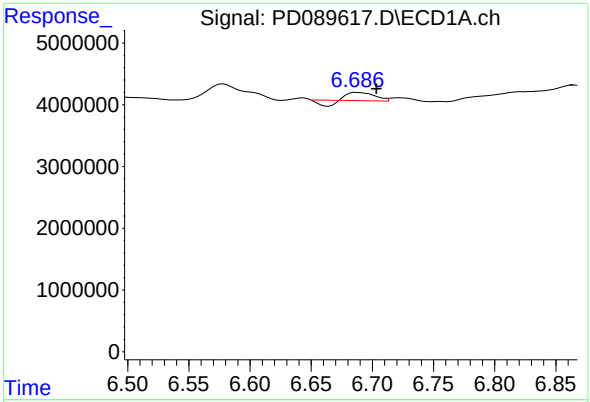
#15 Endosulfan II

R.T.: 6.755 min
Delta R.T.: -0.029 min
Response: 13627
Conc: 0.00 ng/ml



#15 Endosulfan II

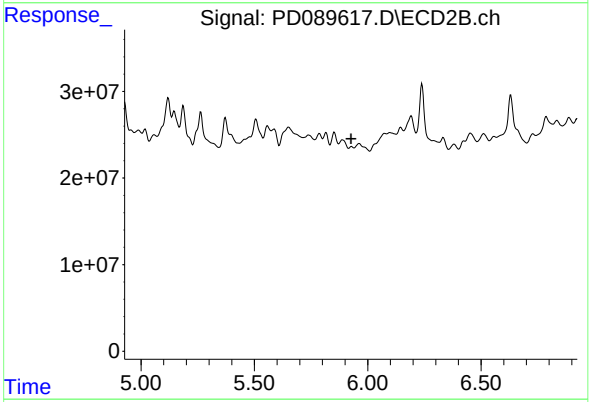
R.T.: 6.076 min
Delta R.T.: -0.002 min
Response: 33525302
Conc: 1.46 ng/ml



#16 4,4'-DDD

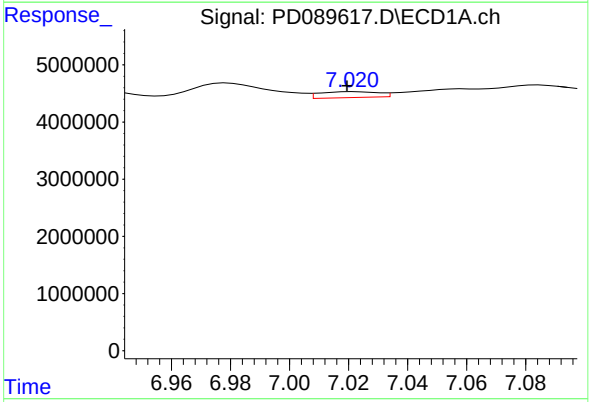
R.T.: 6.687 min
Delta R.T.: -0.016 min
Response: 1346844
Conc: 0.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725



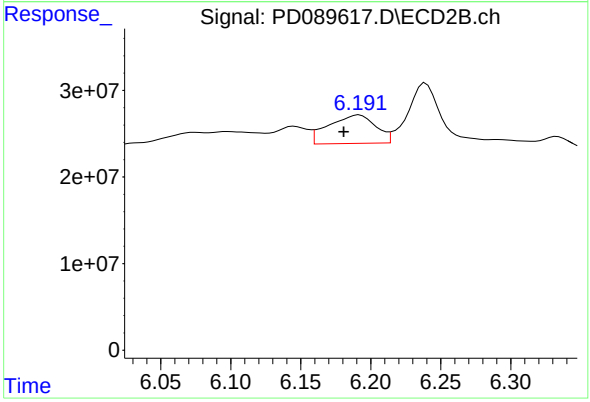
#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: 0.002 min
Response: -2795238
Conc: N.D.



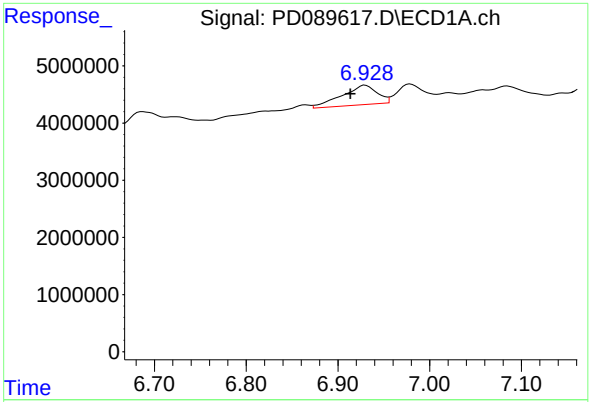
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.002 min
Response: 1406385
Conc: 0.37 ng/ml



#17 4,4'-DDT

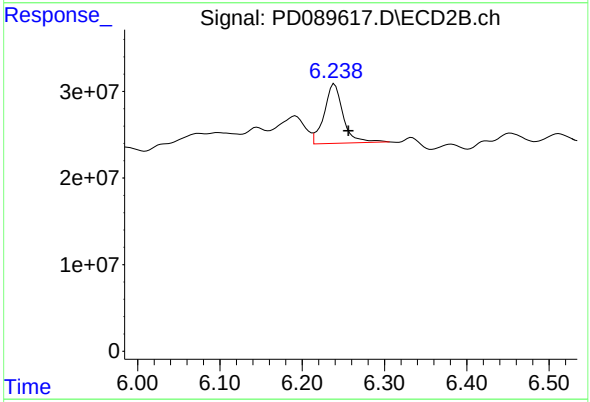
R.T.: 6.192 min
Delta R.T.: 0.011 min
Response: 76719453
Conc: 3.28 ng/ml



#18 Endrin aldehyde

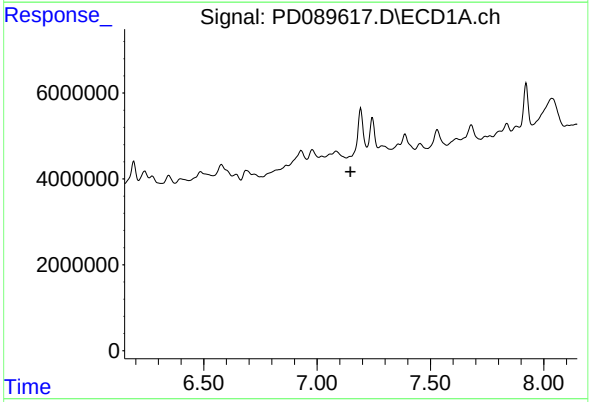
R.T.: 6.930 min
Delta R.T.: 0.016 min
Response: 9093275
Conc: 3.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725



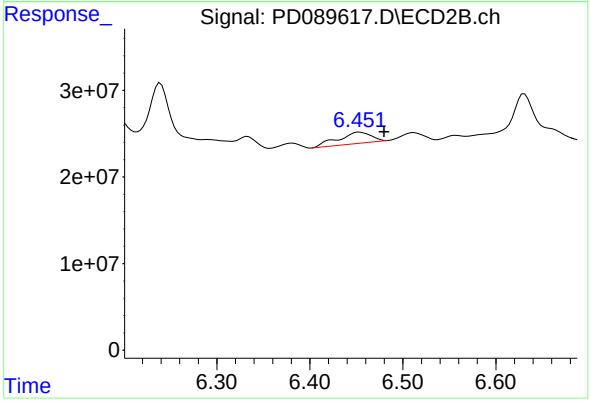
#18 Endrin aldehyde

R.T.: 6.239 min
Delta R.T.: -0.017 min
Response: 110328277
Conc: 6.65 ng/ml



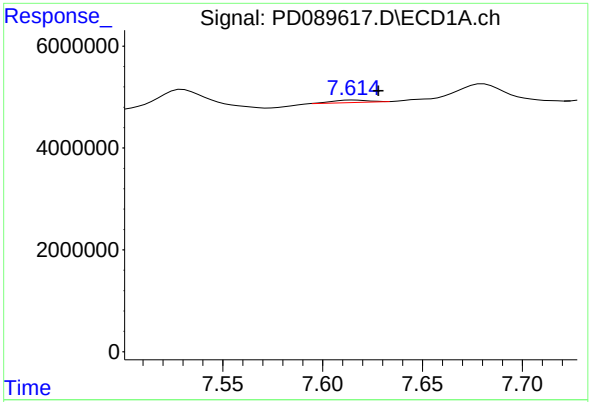
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T. : 7.148 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

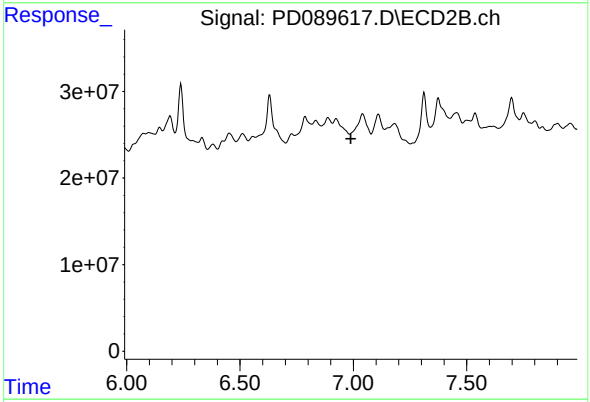
R.T.: 6.454 min
Delta R.T.: -0.026 min
Response: 32009369
Conc: 1.44 ng/ml



#21 Endrin ketone

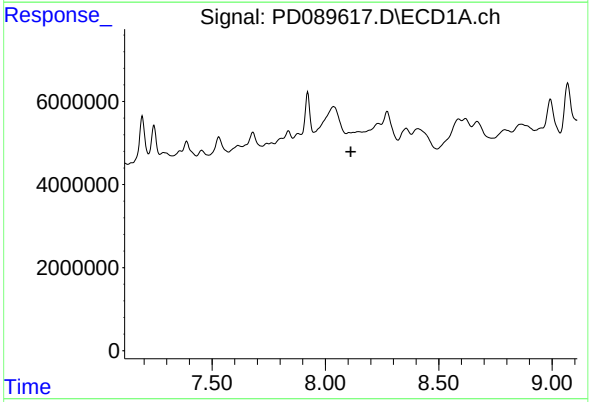
R.T.: 7.615 min
Delta R.T.: -0.013 min
Response: 602943
Conc: 0.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725



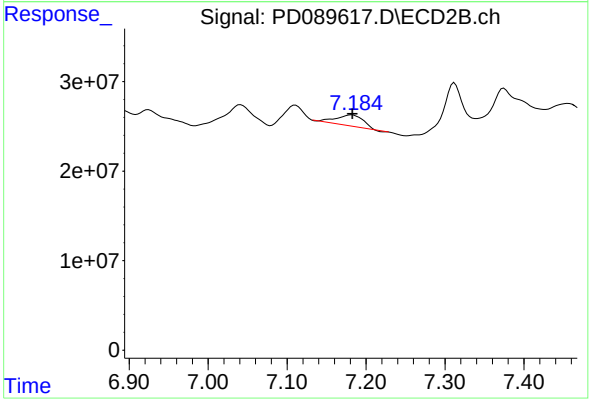
#21 Endrin ketone

R.T.: 0.000 min
Exp R.T. : 6.989 min
Response: 0
Conc: N.D.



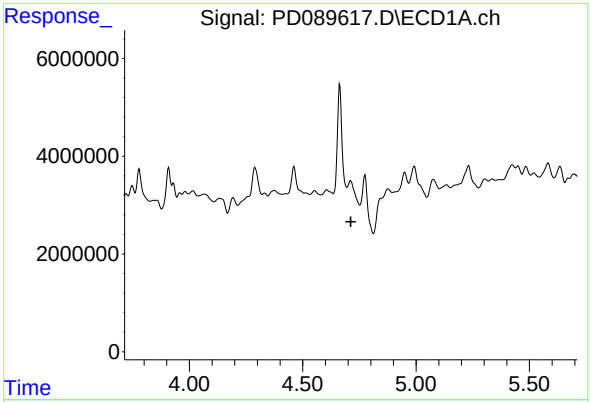
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.112 min
Response: 0
Conc: N.D.



#22 Mirex

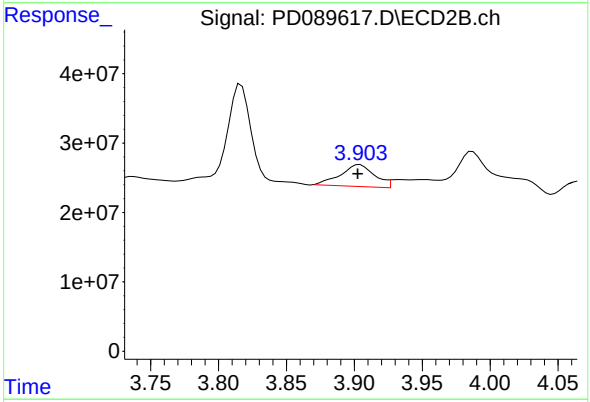
R.T.: 7.182 min
Delta R.T.: 0.000 min
Response: 27042836
Conc: 1.40 ng/ml



#23 Chlordane-1

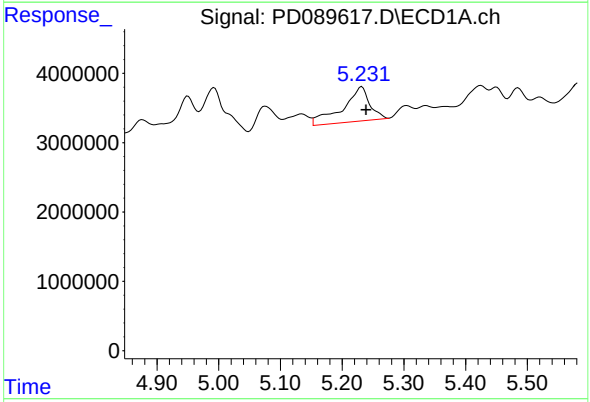
R.T.: 4.711 min
Delta R.T.: -0.001 min
Response: -16218228
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725



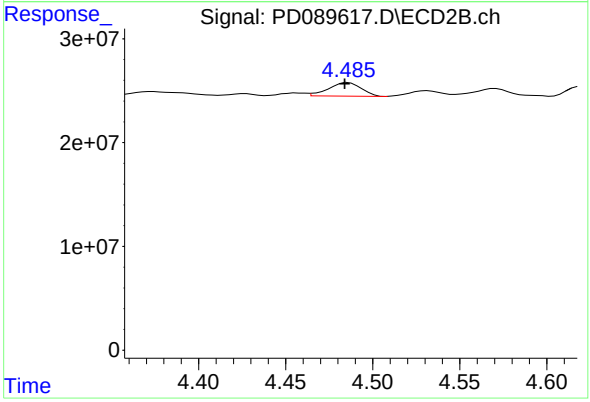
#23 Chlordane-1

R.T.: 3.904 min
Delta R.T.: 0.002 min
Response: 55276559
Conc: 59.52 ng/ml



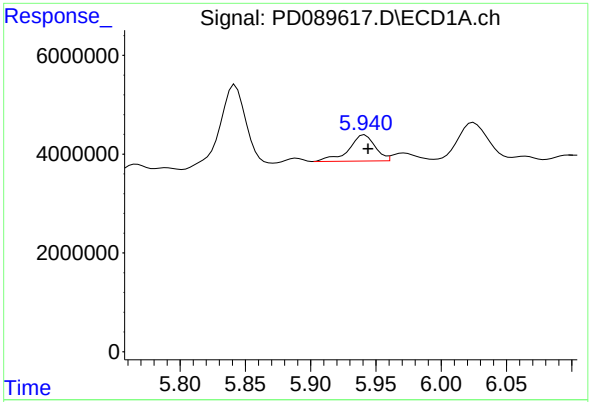
#24 Chlordane-2

R.T.: 5.232 min
Delta R.T.: -0.007 min
Response: 14992558
Conc: 74.56 ng/ml



#24 Chlordane-2

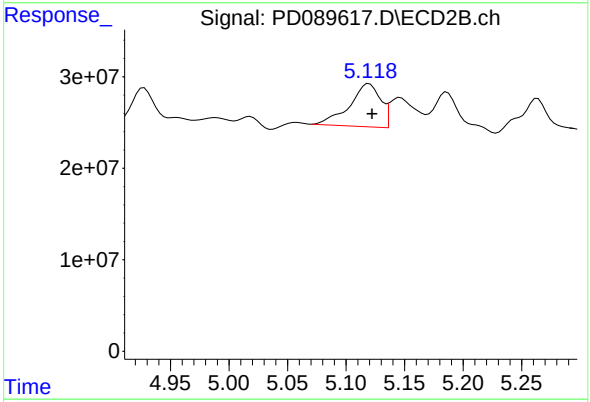
R.T.: 4.486 min
Delta R.T.: 0.002 min
Response: 17158950
Conc: 17.50 ng/ml



#25 Chlordane-3

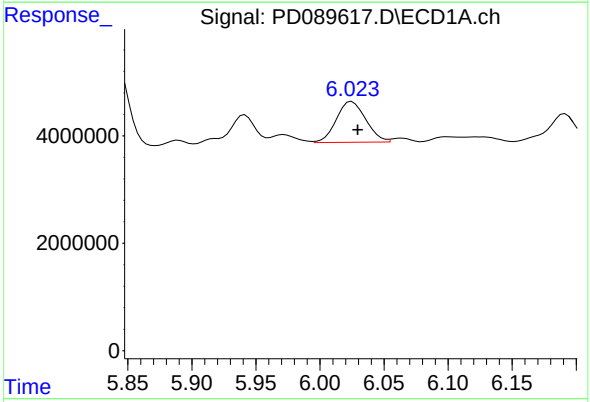
R.T.: 5.941 min
Delta R.T.: -0.003 min
Response: 7473934
Conc: 9.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725



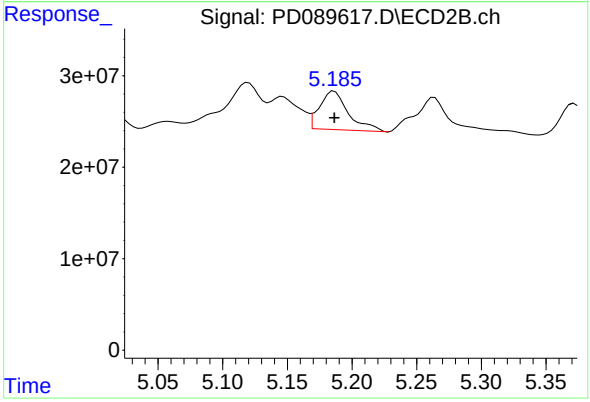
#25 Chlordane-3

R.T.: 5.120 min
Delta R.T.: -0.003 min
Response: 86625792
Conc: 30.01 ng/ml



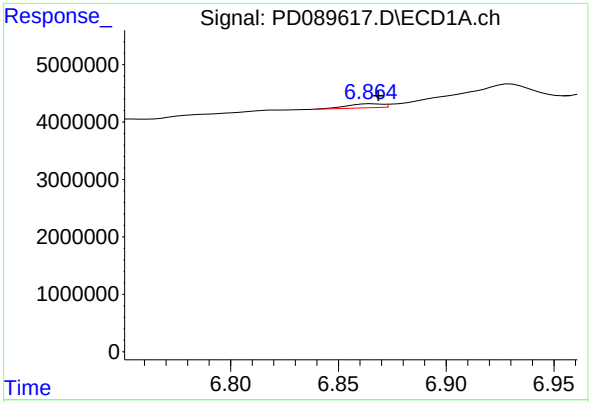
#26 Chlordane-4

R.T.: 6.025 min
Delta R.T.: -0.005 min
Response: 12156520
Conc: 12.81 ng/ml



#26 Chlordane-4

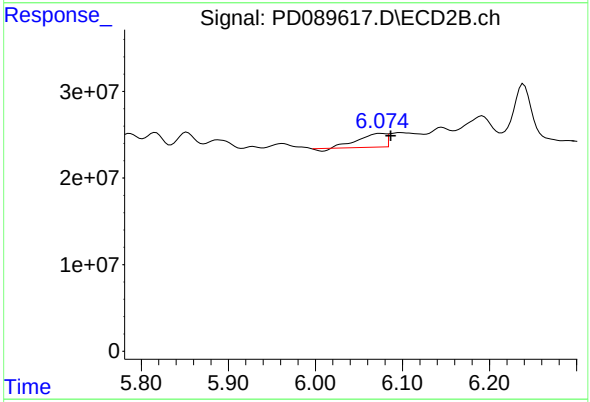
R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 65495781
Conc: 27.15 ng/ml



#27 Chlordane-5

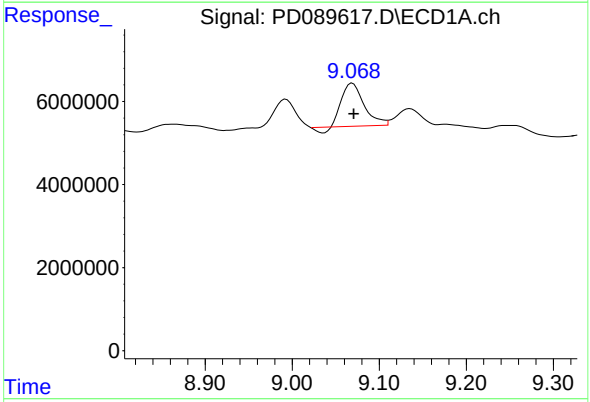
R.T.: 6.865 min
Delta R.T.: -0.003 min
Response: 779678
Conc: 4.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725



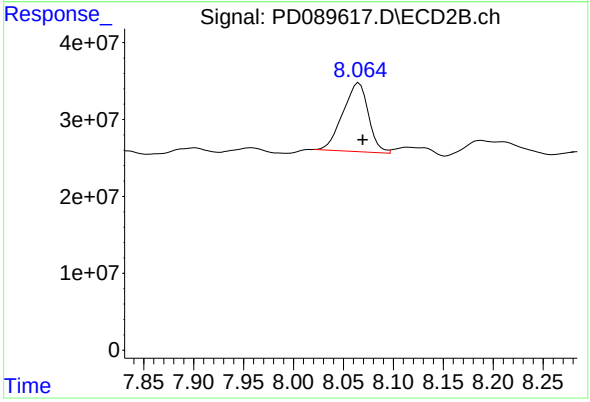
#27 Chlordane-5

R.T.: 6.076 min
Delta R.T.: -0.011 min
Response: 33525302
Conc: 28.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.001 min
Response: 17767467
Conc: 4.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: -0.004 min
Response: 159314341
Conc: 6.48 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089618.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 20:19
Operator : AR\AJ
Sample : Q2639-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:15:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.879	28790325	203.0E6	9.992	10.373	
28)	SA Decachlor...	9.068	8.067	23848044	143.5E6	5.807	5.839	
	Target Compounds							
2)	A alpha-BHC	0.000	3.380	0	3662157	N.D.	0.122	#
3)	MA gamma-BHC...	4.333	3.748f	195592	17393892	0.035	0.627	#
4)	MA Heptachlor	4.952f	4.076	4502356	19408296	0.826	0.693	
5)	MB Aldrin	5.299f	4.370	211300	849521	0.040	0.031	
6)	B beta-BHC	0.000	4.018	0	18436262	N.D.	1.549	#
7)	B delta-BHC	4.776	4.271	1441484	2879044	0.273	0.103	#
8)	B Heptachlo...	5.673f	4.868	1043552	2565954	0.221	0.103	#
9)	A Endosulfan I	6.074	5.248	208110	1801290	0.047	0.076	#
10)	B gamma-Chl...	5.943	5.123	5187873	24985657	1.094	0.934	
11)	B alpha-Chl...	6.027	5.186	9205527	42639698	1.931	1.653	
12)	B 4,4'-DDE	6.192	5.372	4380818	26767835	1.020	1.019	
13)	MA Dieldrin	0.000	5.506	0	11686148	N.D.	0.442	#
14)	MA Endrin	6.571	5.791	1035289	2083764	0.254	0.086	#
16)	A 4,4'-DDD	6.717	0.000	437616	0	0.129	N.D.	#
17)	MA 4,4'-DDT	7.022	6.176	601153	59245199	0.159	2.531	#
18)	B Endrin al...	6.918	0.000	2188239	0	0.751	N.D.	#
19)	B Endosulfa...	7.163f	6.477	147259	5452075	0.039	0.246	#
22)	Mirex	8.120	7.178	-1000063	29023831	N.D.	1.502	
23)	Chlordane-1	4.711	3.903	1824164	29360268	9.321	31.615	#
24)	Chlordane-2	5.238	4.487	3032455	9690999	15.080	9.886	#
25)	Chlordane-3	5.943	5.123	5187873	24985657	6.658	8.655	#
26)	Chlordane-4	6.027	5.186	9205527	42639698	9.698	17.677	#

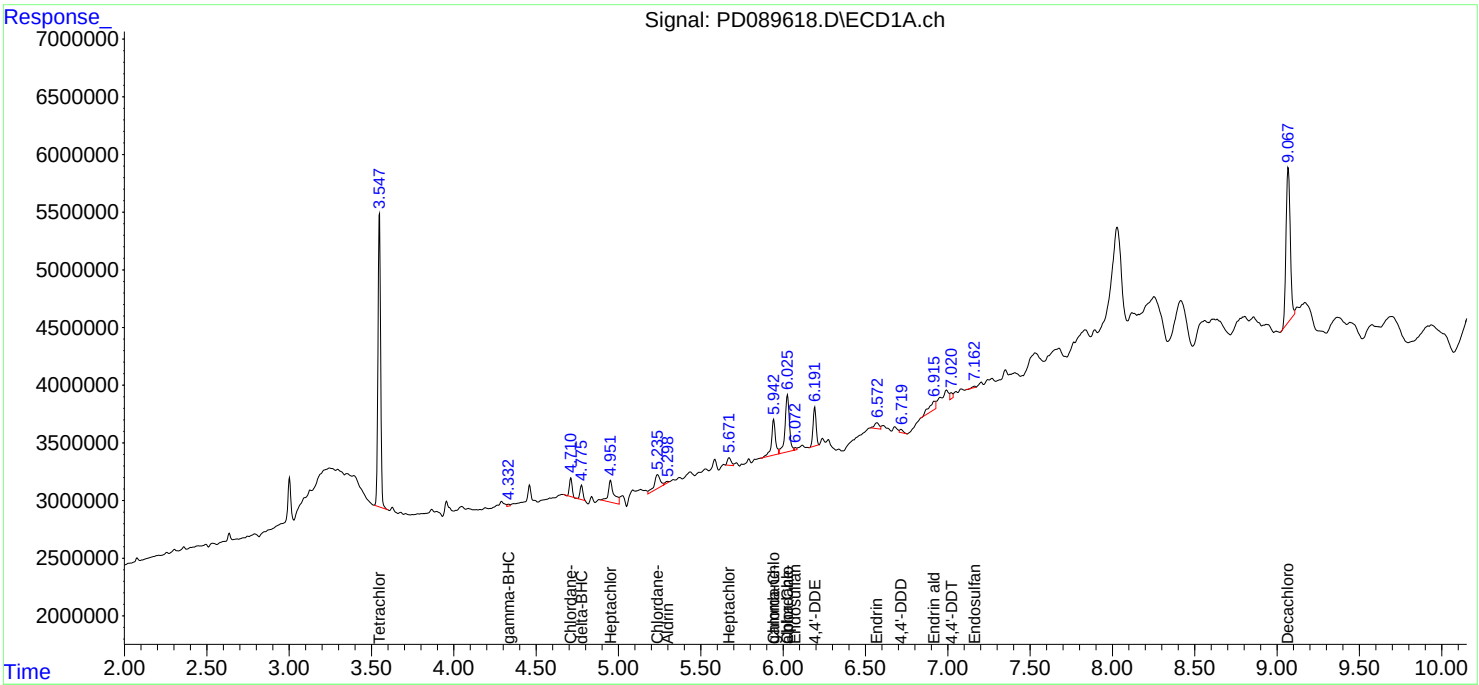
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

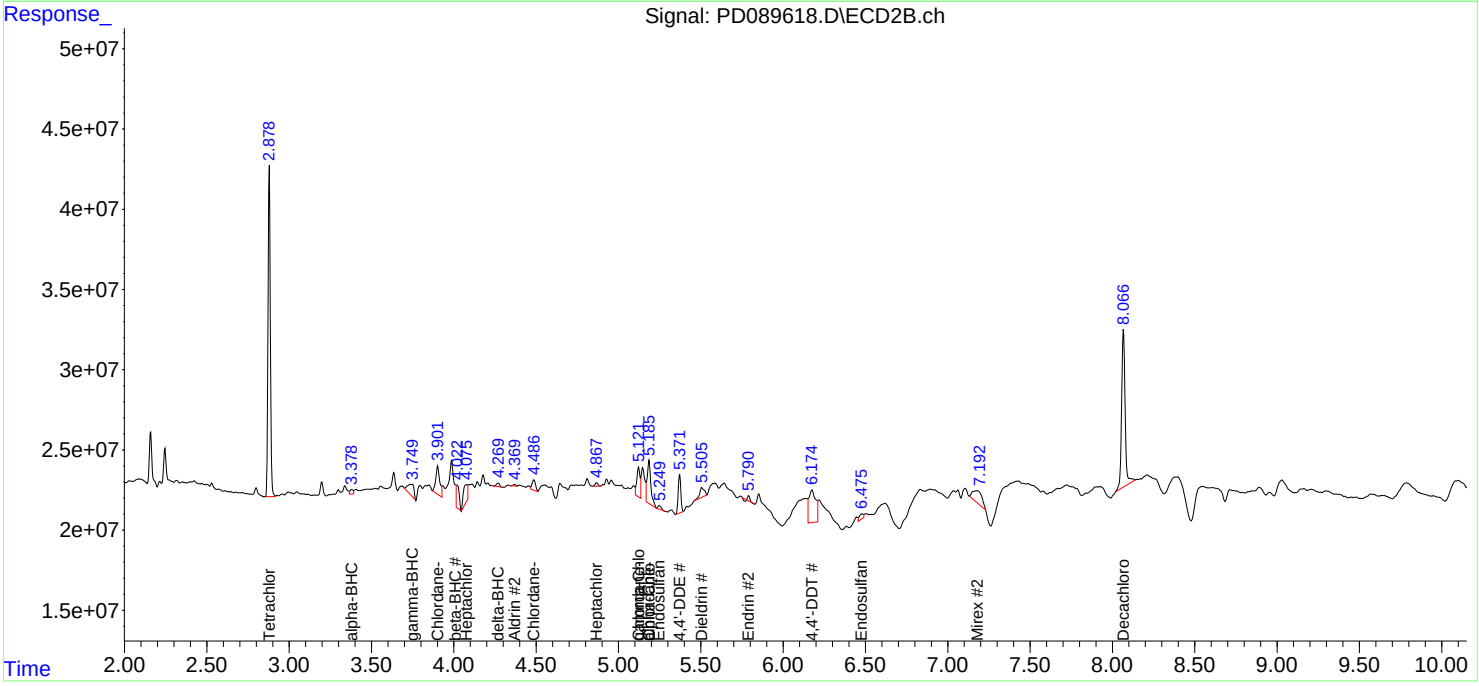
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072425\
Data File : PD089618.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jul 2025 20:19
Operator : AR\AJ
Sample : Q2639-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

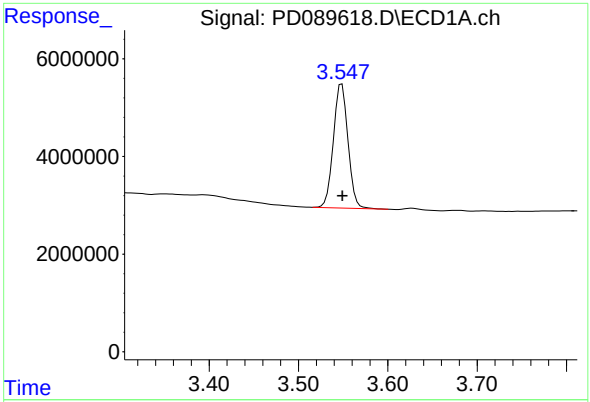
Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 02:15:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



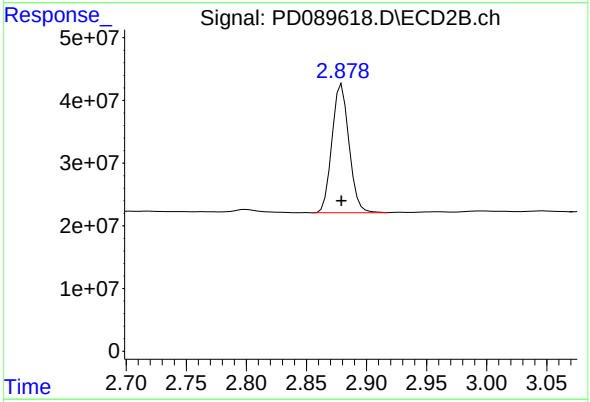




#1 Tetrachloro-m-xylene

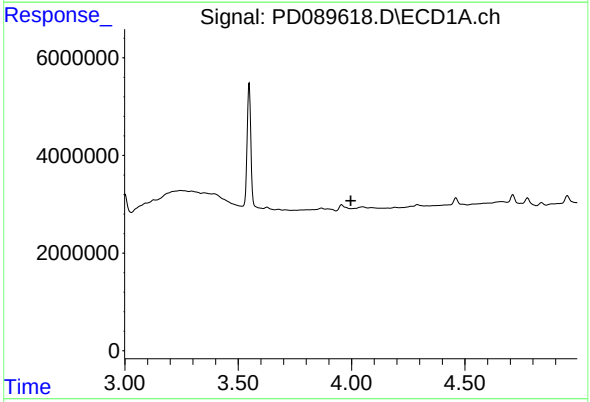
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 28790325
Conc: 9.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725



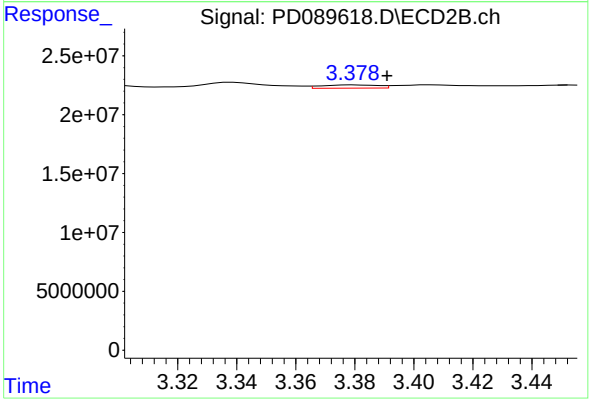
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 202952015
Conc: 10.37 ng/ml



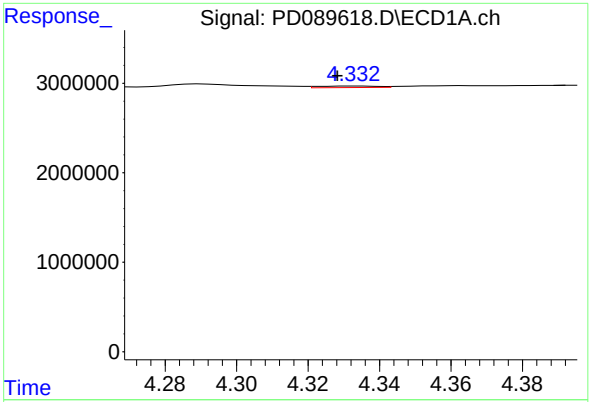
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.997 min
Response: 0
Conc: N.D.



#2 alpha-BHC

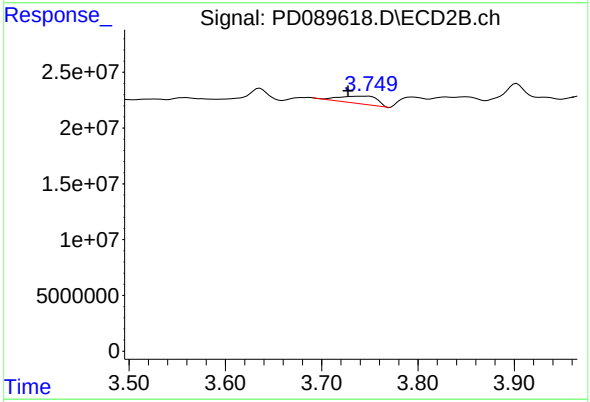
R.T.: 3.380 min
Delta R.T.: -0.011 min
Response: 3662157
Conc: 0.12 ng/ml



#3 gamma-BHC (Lindane)

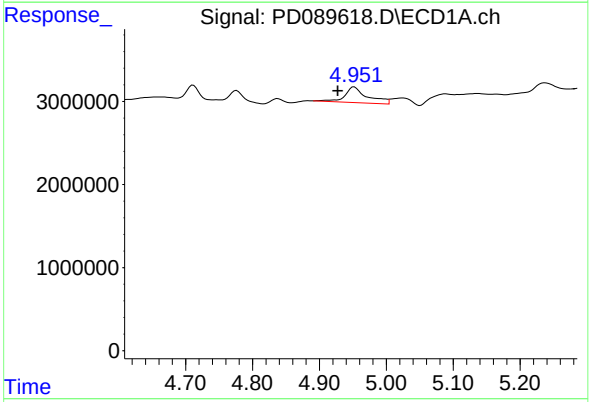
R.T.: 4.333 min
Delta R.T.: 0.005 min
Response: 195592
Conc: 0.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725



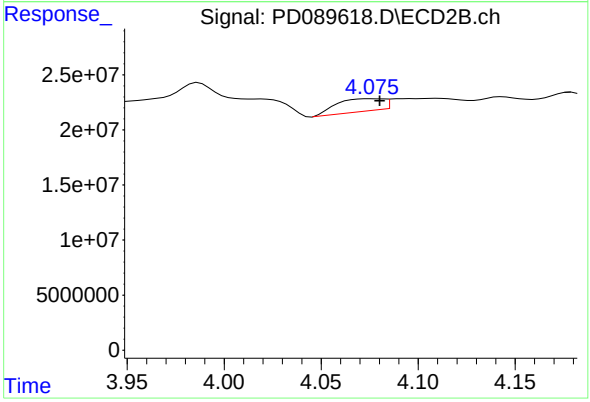
#3 gamma-BHC (Lindane)

R.T.: 3.748 min
Delta R.T.: 0.021 min
Response: 17393892
Conc: 0.63 ng/ml



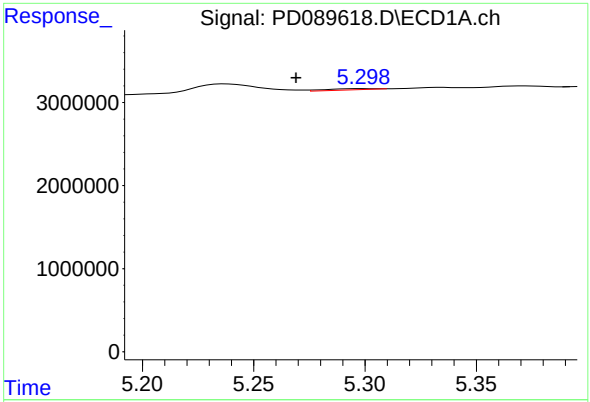
#4 Heptachlor

R.T.: 4.952 min
Delta R.T.: 0.025 min
Response: 4502356
Conc: 0.83 ng/ml



#4 Heptachlor

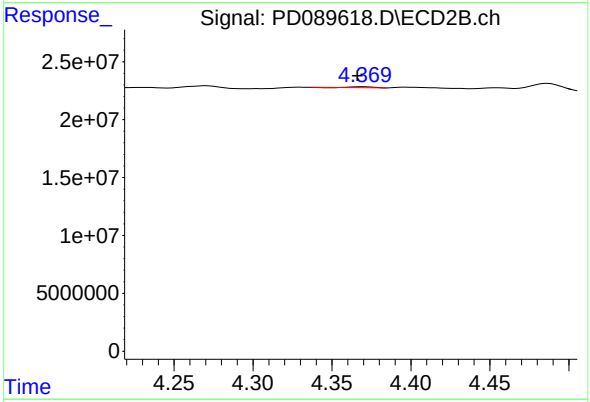
R.T.: 4.076 min
Delta R.T.: -0.004 min
Response: 19408296
Conc: 0.69 ng/ml



#5 Aldrin

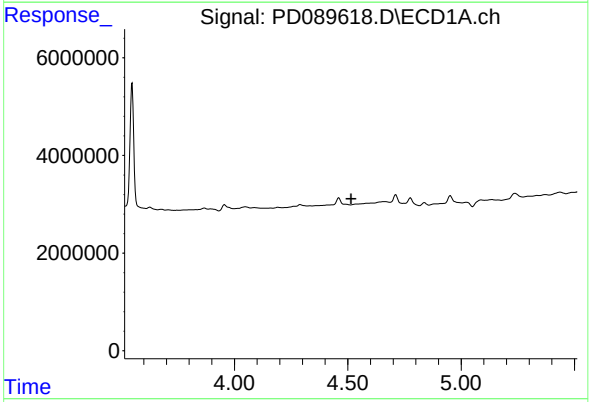
R.T.: 5.299 min
Delta R.T.: 0.030 min
Response: 211300
Conc: 0.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725



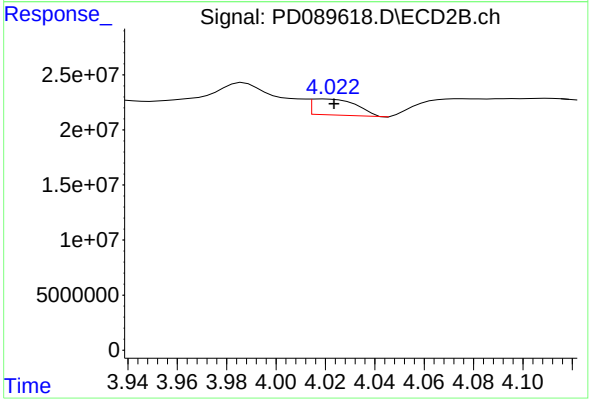
#5 Aldrin

R.T.: 4.370 min
Delta R.T.: 0.004 min
Response: 849521
Conc: 0.03 ng/ml



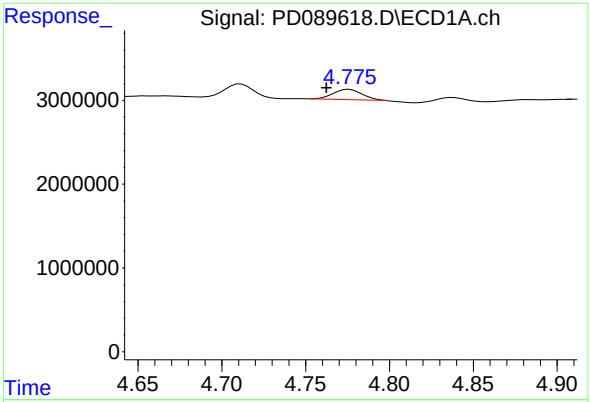
#6 beta-BHC

R.T.: 0.000 min
Exp R.T. : 4.514 min
Response: 0
Conc: N.D.



#6 beta-BHC

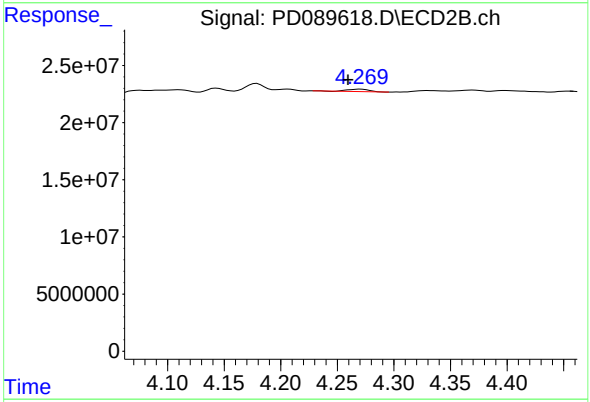
R.T.: 4.018 min
Delta R.T.: -0.005 min
Response: 18436262
Conc: 1.55 ng/ml



#7 delta-BHC

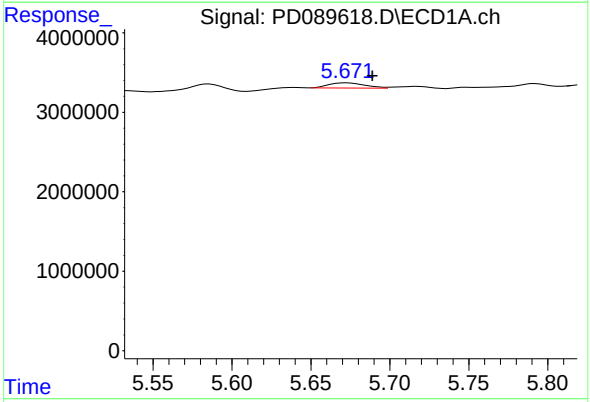
R.T.: 4.776 min
Delta R.T.: 0.014 min
Response: 1441484
Conc: 0.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725



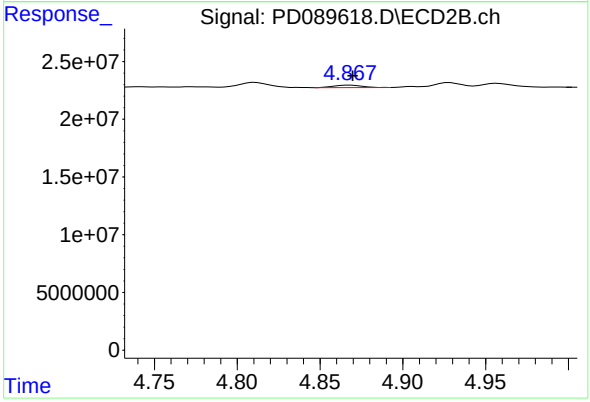
#7 delta-BHC

R.T.: 4.271 min
Delta R.T.: 0.011 min
Response: 2879044
Conc: 0.10 ng/ml



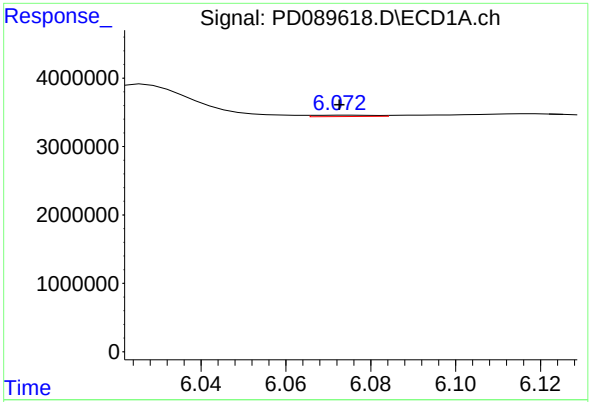
#8 Heptachlor epoxide

R.T.: 5.673 min
Delta R.T.: -0.016 min
Response: 1043552
Conc: 0.22 ng/ml



#8 Heptachlor epoxide

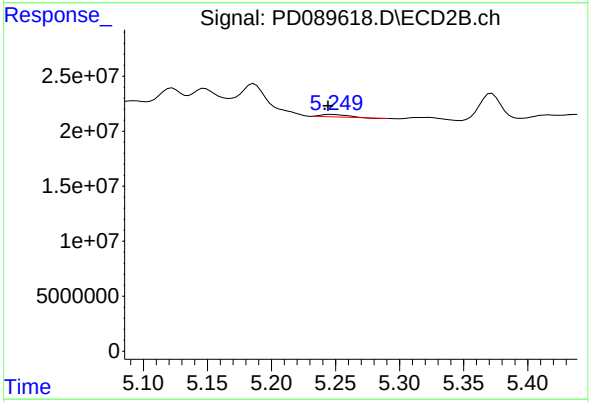
R.T.: 4.868 min
Delta R.T.: -0.002 min
Response: 2565954
Conc: 0.10 ng/ml



#9 Endosulfan I

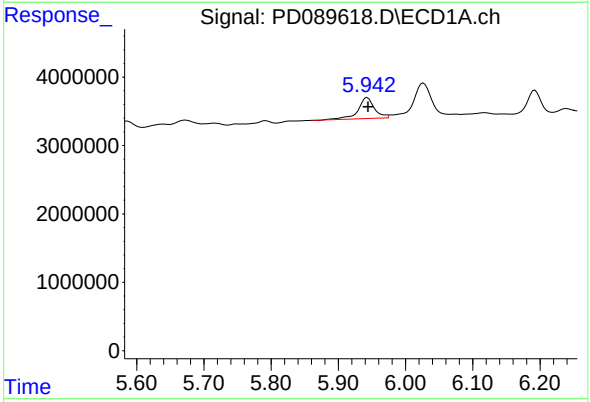
R.T.: 6.074 min
Delta R.T.: 0.002 min
Response: 208110
Conc: 0.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725



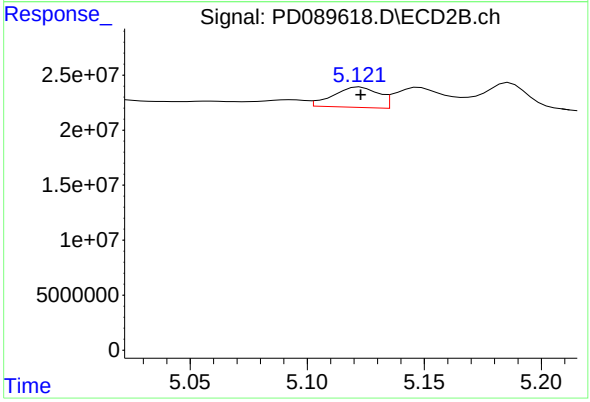
#9 Endosulfan I

R.T.: 5.248 min
Delta R.T.: 0.004 min
Response: 1801290
Conc: 0.08 ng/ml



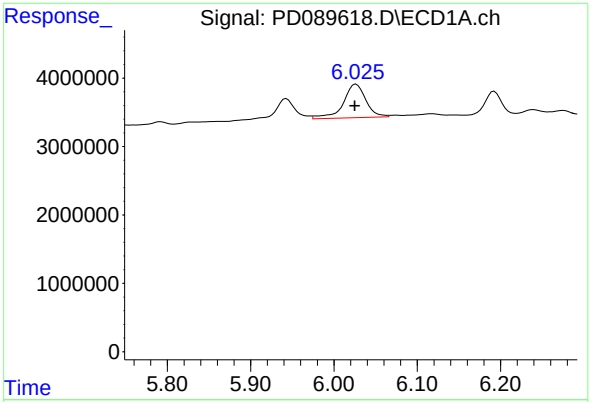
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: -0.001 min
Response: 5187873
Conc: 1.09 ng/ml



#10 gamma-Chlordane

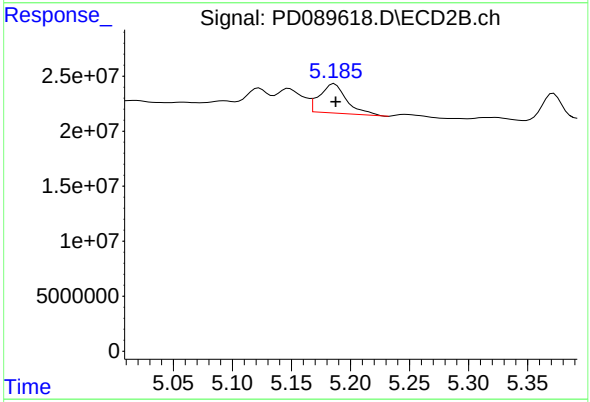
R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 24985657
Conc: 0.93 ng/ml



#11 alpha-Chlordane

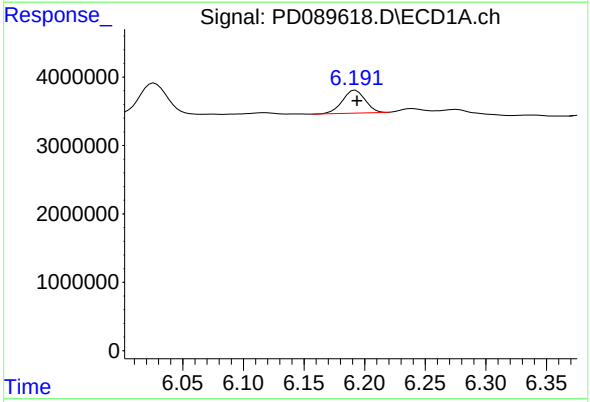
R.T.: 6.027 min
Delta R.T.: 0.001 min
Response: 9205527
Conc: 1.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725



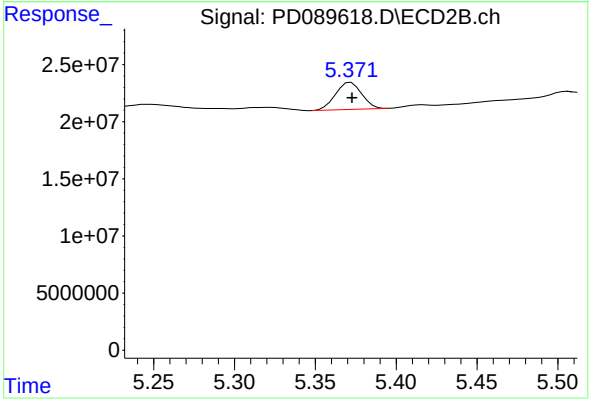
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 42639698
Conc: 1.65 ng/ml



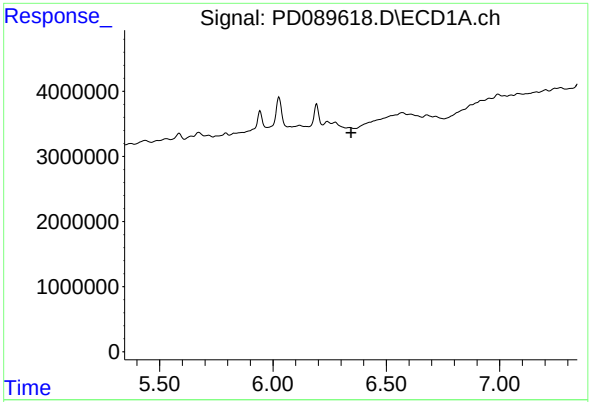
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.001 min
Response: 4380818
Conc: 1.02 ng/ml



#12 4,4'-DDE

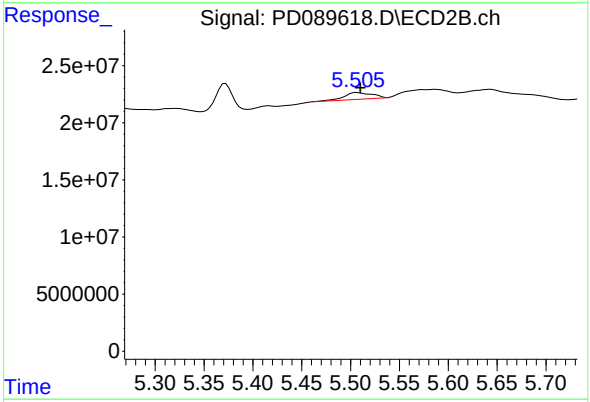
R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 26767835
Conc: 1.02 ng/ml



#13 Dieldrin

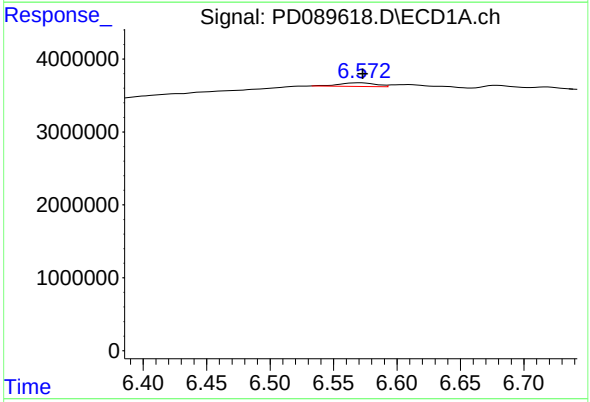
R.T.: 0.000 min
Exp R.T. : 6.345 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725



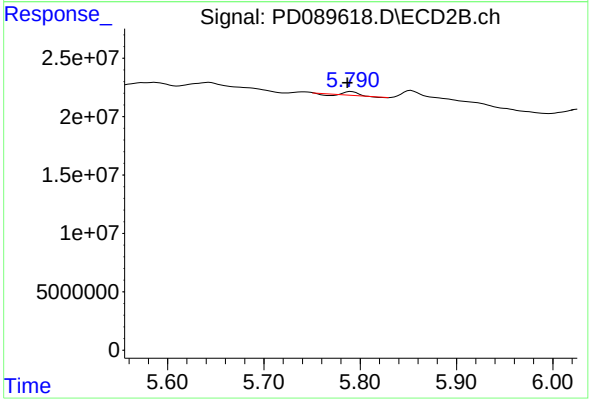
#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: -0.004 min
Response: 11686148
Conc: 0.44 ng/ml



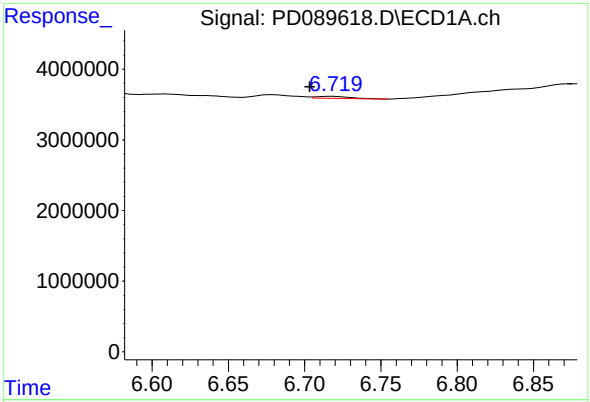
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 1035289
Conc: 0.25 ng/ml



#14 Endrin

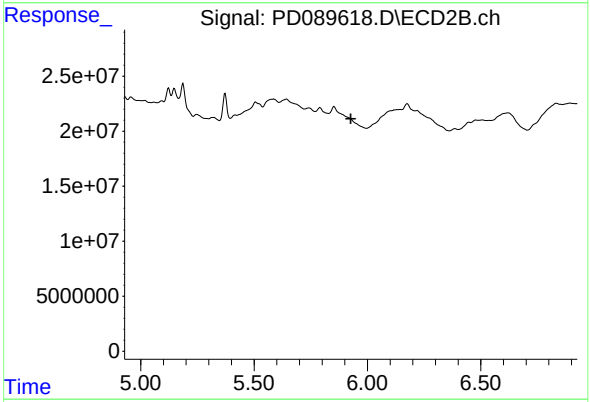
R.T.: 5.791 min
Delta R.T.: 0.004 min
Response: 2083764
Conc: 0.09 ng/ml



#16 4,4'-DDD

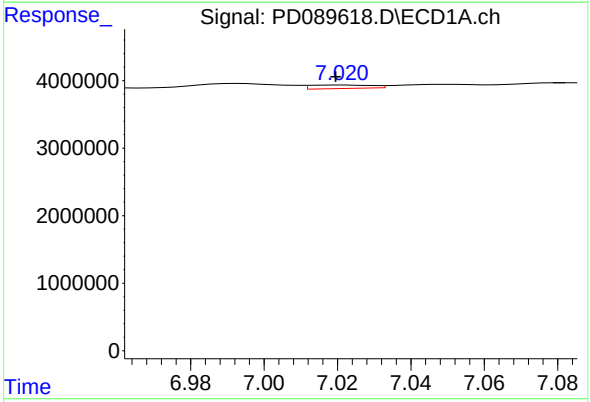
R.T.: 6.717 min
Delta R.T.: 0.014 min
Response: 437616
Conc: 0.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725



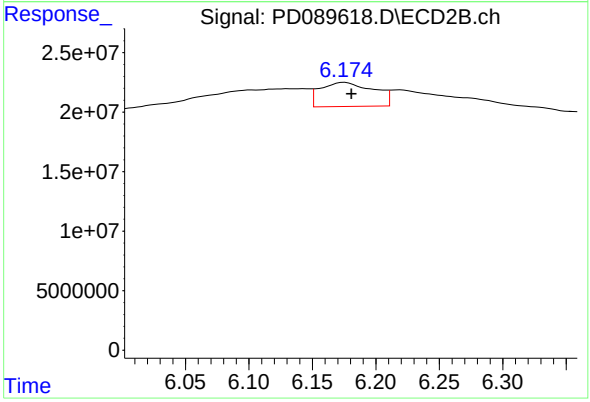
#16 4,4'-DDD

R.T.: 0.000 min
Exp R.T. : 5.927 min
Response: 0
Conc: N.D.



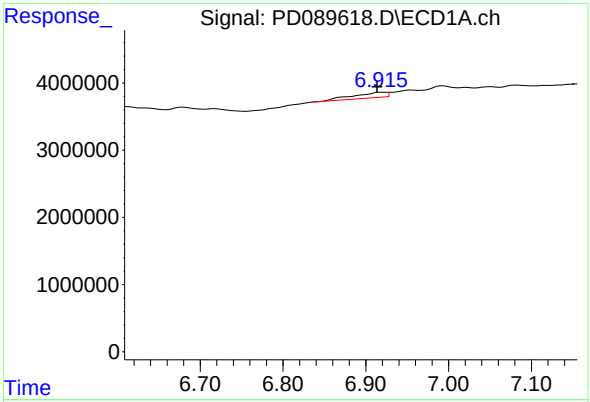
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.002 min
Response: 601153
Conc: 0.16 ng/ml



#17 4,4'-DDT

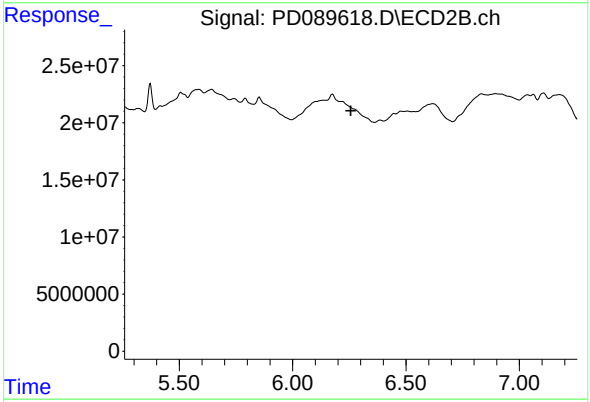
R.T.: 6.176 min
Delta R.T.: -0.005 min
Response: 59245199
Conc: 2.53 ng/ml



#18 Endrin aldehyde

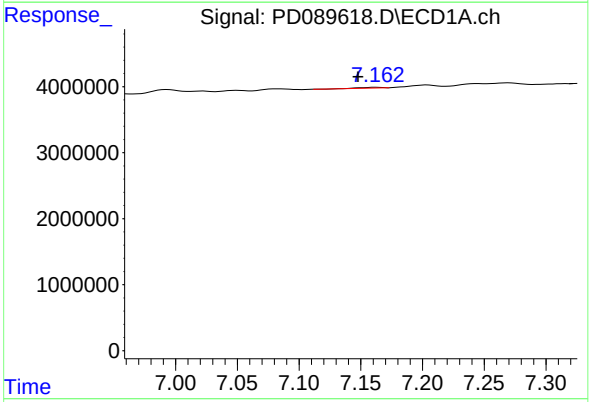
R.T.: 6.918 min
Delta R.T.: 0.004 min
Response: 2188239
Conc: 0.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725



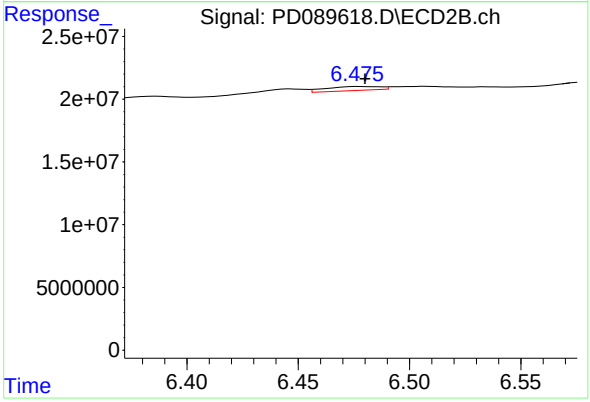
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.256 min
Response: 0
Conc: N.D.



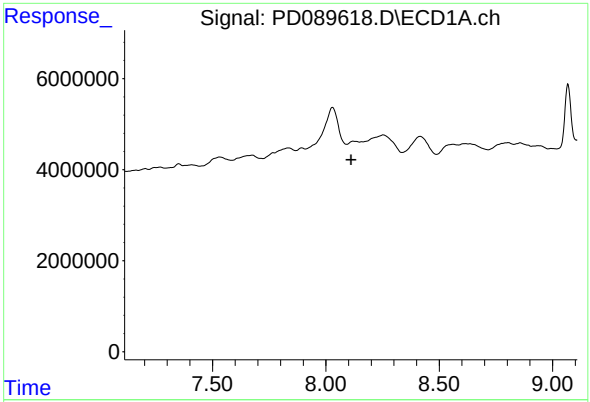
#19 Endosulfan Sulfate

R.T.: 7.163 min
Delta R.T.: 0.015 min
Response: 147259
Conc: 0.04 ng/ml



#19 Endosulfan Sulfate

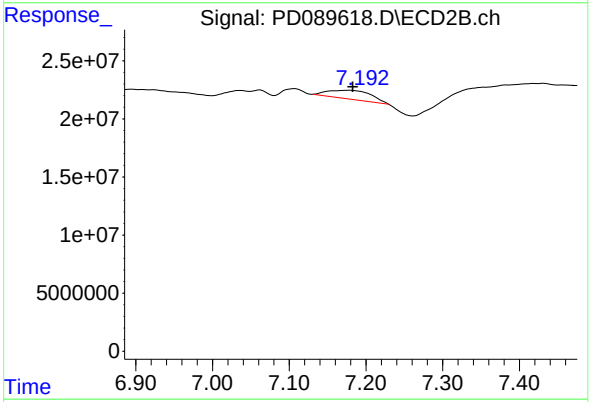
R.T.: 6.477 min
Delta R.T.: -0.003 min
Response: 5452075
Conc: 0.25 ng/ml



#22 Mirex

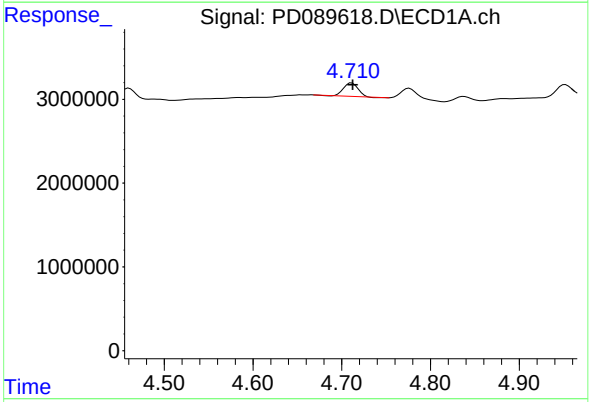
R.T.: 8.120 min
Delta R.T.: 0.008 min
Response: -1000063
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725



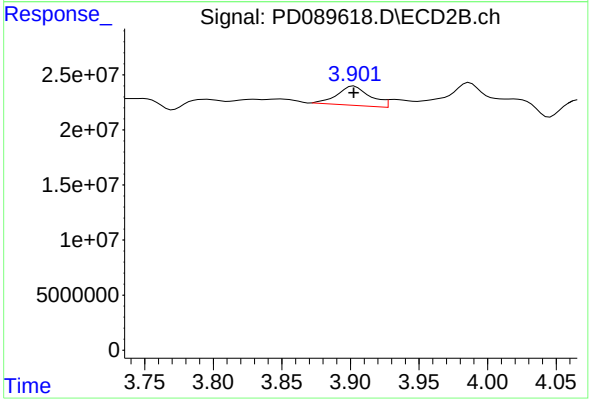
#22 Mirex

R.T.: 7.178 min
Delta R.T.: -0.004 min
Response: 29023831
Conc: 1.50 ng/ml



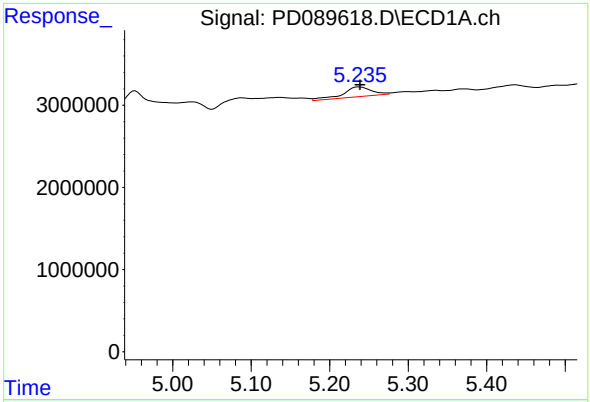
#23 Chlordane-1

R.T.: 4.711 min
Delta R.T.: 0.000 min
Response: 1824164
Conc: 9.32 ng/ml



#23 Chlordane-1

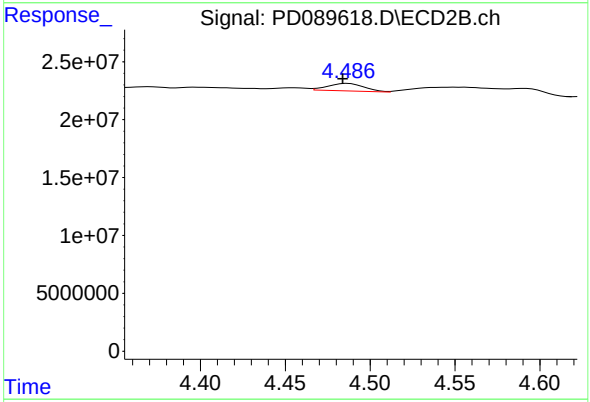
R.T.: 3.903 min
Delta R.T.: 0.000 min
Response: 29360268
Conc: 31.62 ng/ml



#24 Chlordane-2

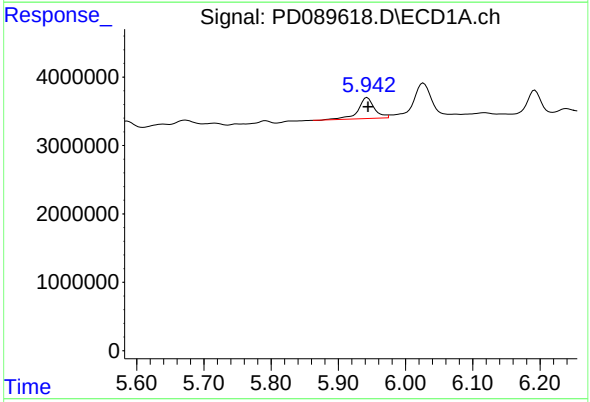
R.T.: 5.238 min
Delta R.T.: -0.001 min
Response: 3032455
Conc: 15.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725



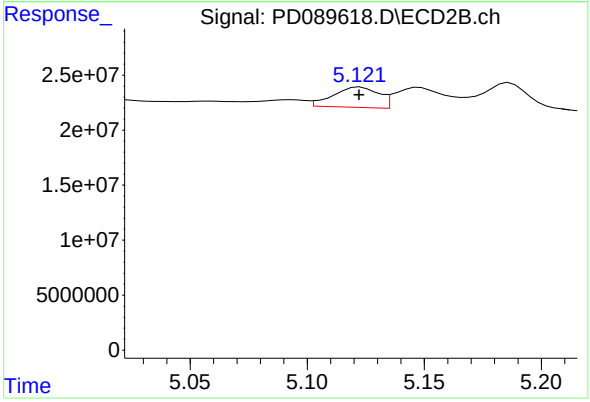
#24 Chlordane-2

R.T.: 4.487 min
Delta R.T.: 0.003 min
Response: 9690999
Conc: 9.89 ng/ml



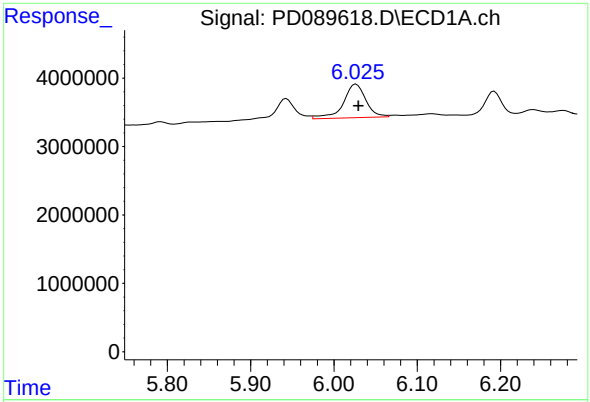
#25 Chlordane-3

R.T.: 5.943 min
Delta R.T.: -0.001 min
Response: 5187873
Conc: 6.66 ng/ml



#25 Chlordane-3

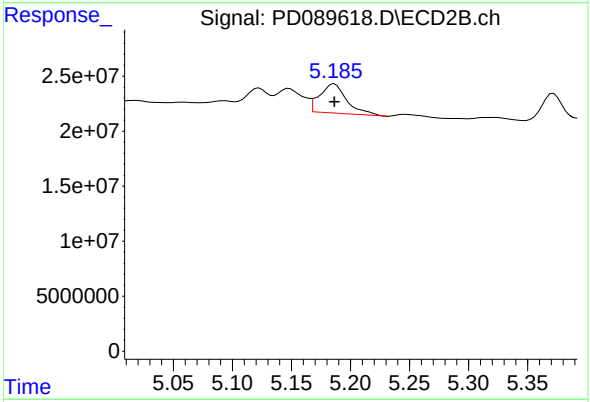
R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 24985657
Conc: 8.65 ng/ml



#26 Chlordane-4

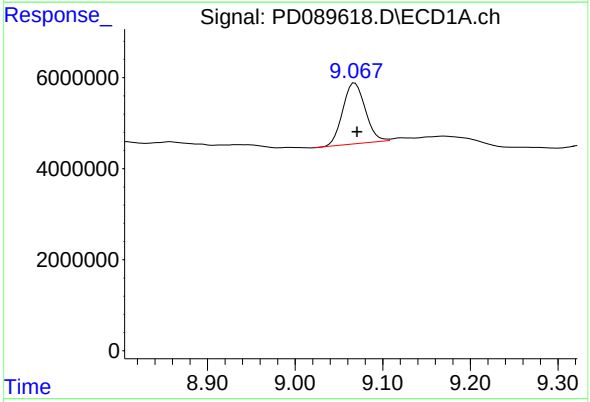
R.T.: 6.027 min
Delta R.T.: -0.003 min
Response: 9205527
Conc: 9.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725



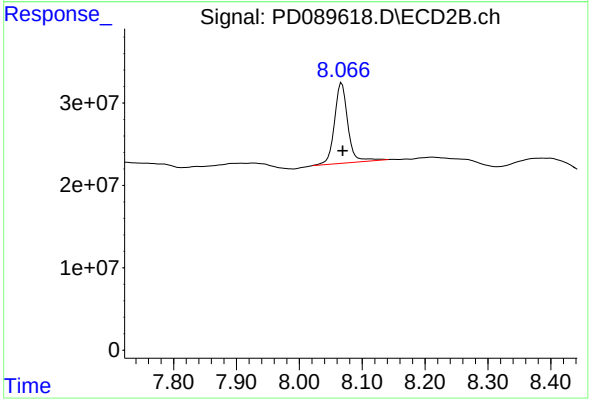
#26 Chlordane-4

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 42639698
Conc: 17.68 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.002 min
Response: 23848044
Conc: 5.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.002 min
Response: 143464664
Conc: 5.84 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072525\
Data File : PD089629.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 17:44
Operator : AR\AJ
Sample : Q2639-09RE
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:33:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.555	2.878	35218033	591.0E6	12.223	30.206	#
28)	SA Decachlor...	9.080	8.069	21400300	179.8E6	5.211	7.319	#
	Target Compounds							
2)	A alpha-BHC	3.988	3.414f	1313945	127.9E6	0.230	4.258	#
3)	MA gamma-BHC...	4.341	3.737	3110193	14074608	0.564	0.507	
4)	MA Heptachlor	4.958f	4.076	9963472	20776288	1.827	0.742	#
5)	MB Aldrin	5.242f	4.376	8803130	225559	1.682	0.008	#
7)	B delta-BHC	4.783f	4.267	7037341	11716246	1.332	0.420	#
8)	B Heptachlo...	5.696	4.868	4005025	9863617	0.848	0.397	#
9)	A Endosulfan I	6.073	5.266f	840872	53997583	0.189	2.274	#
10)	B gamma-Chl...	5.950	5.122	8644968	84490468	1.823	3.158	#
11)	B alpha-Chl...	6.033	5.188	12646038	71777519	2.653	2.783	
12)	B 4,4'-DDE	6.201	5.373	7473001	45963704	1.740	1.751	
13)	MA Dieldrin	6.356	5.509	3371352	38377423	0.714	1.452	#
14)	MA Endrin	6.587	5.791	6516744	59756658	1.600	2.471	#
15)	B Endosulfa...	0.000	6.077	0	16118950	N.D.	0.702	#
16)	A 4,4'-DDD	6.696	0.000	3957495	0	1.168	N.D.	#
17)	MA 4,4'-DDT	7.026	6.192	608123	34907631	0.161	1.491	#
18)	B Endrin al...	6.941f	6.242	6726764	93514337	2.307	5.634	#
19)	B Endosulfa...	0.000	6.454f	0	19222685	N.D.	0.866	#
20)	A Methoxychlor	7.464f	6.731f	1400055	16516427	0.698	1.355	#
21)	B Endrin ke...	7.621	6.967f	1796092	4398862	0.446	0.180	#
22)	Mirex	0.000	7.186	0	31262976	N.D.	1.617	#
23)	Chlordane-1	4.720	3.904	2939796	52796941	15.022	56.852	#
24)	Chlordane-2	5.242	4.487	8803130	16600804	43.778	16.935	#
25)	Chlordane-3	5.950	5.122	8644968	84490468	11.094	29.266	#
26)	Chlordane-4	6.033	5.188	12646038	71777519	13.322	29.756	#
27)	Chlordane-5	6.872	6.077	797653	16118950	4.837	13.795	#

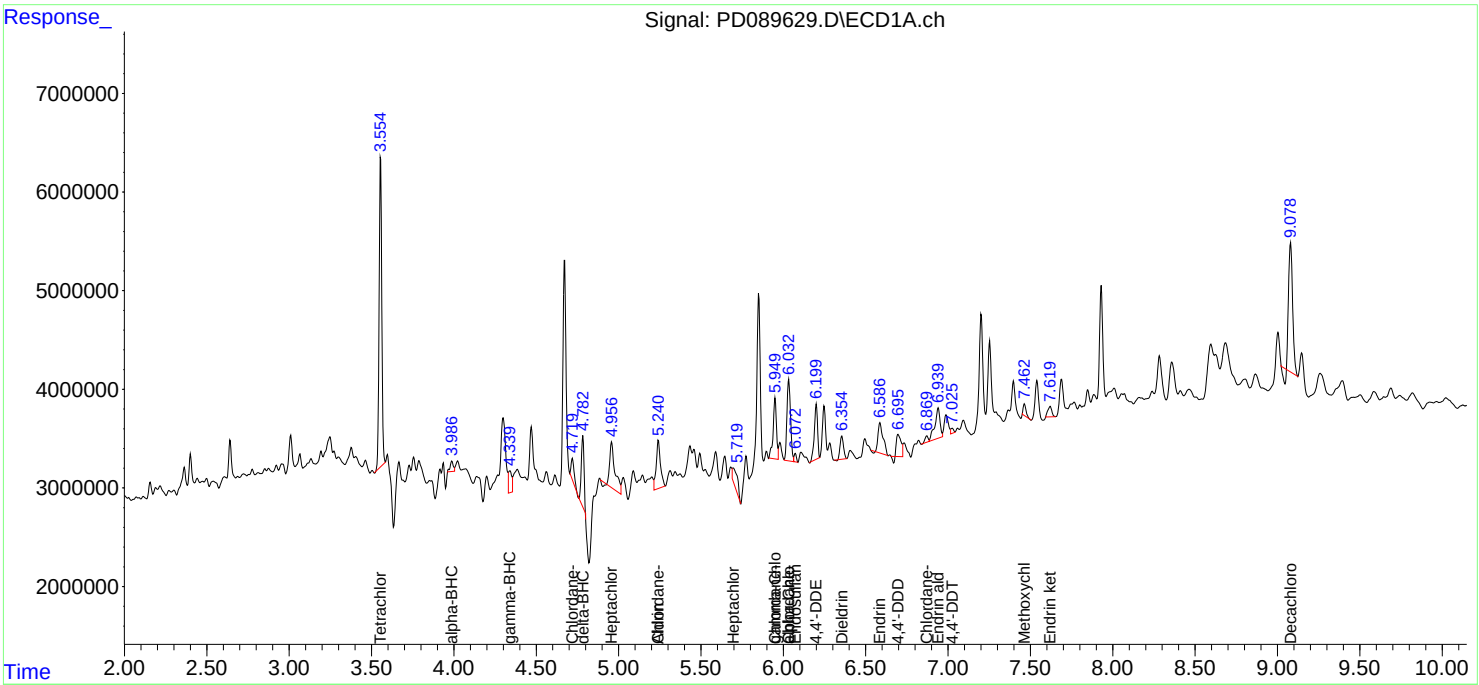
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

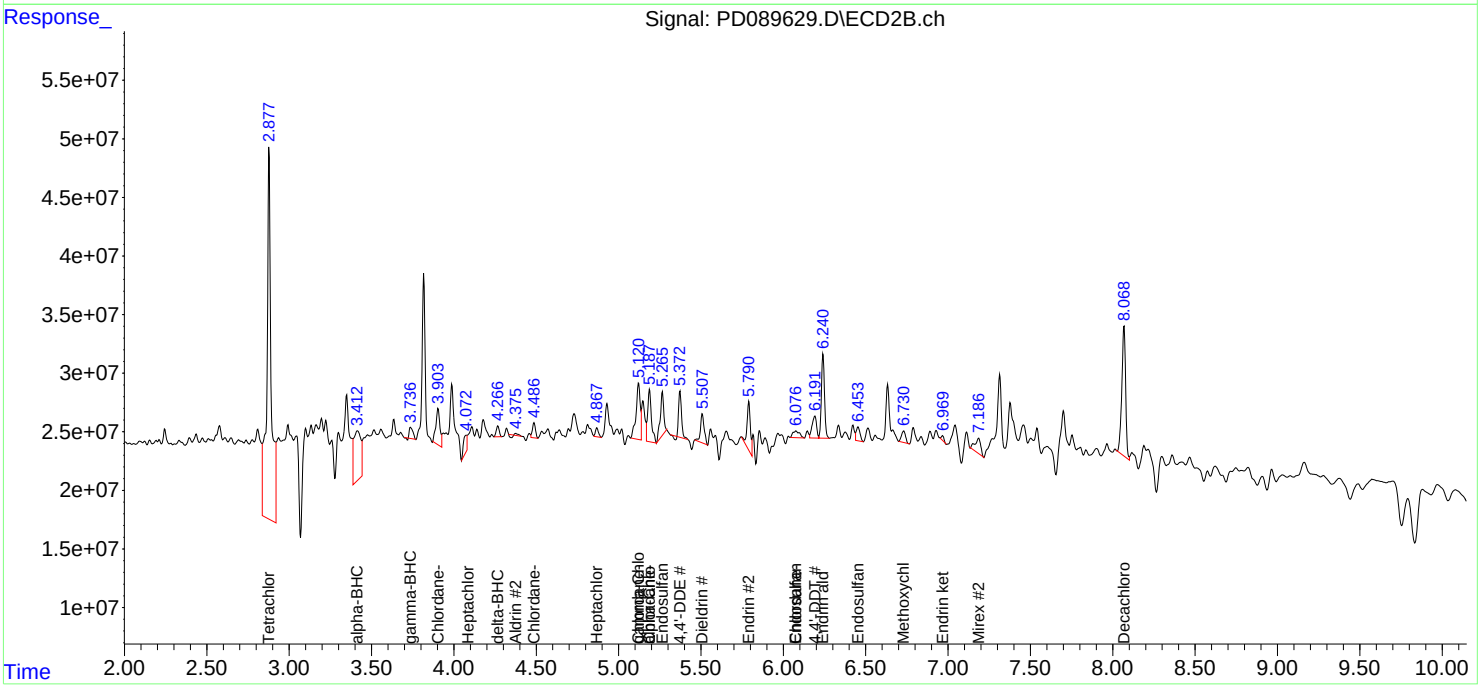
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072525\
Data File : PD089629.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 17:44
Operator : AR\AJ
Sample : Q2639-09RE
Misc :
ALS Vial : 7 Sample Multiplier: 1

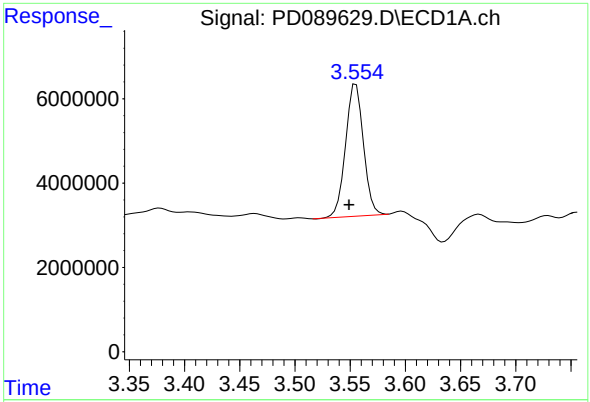
Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:33:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



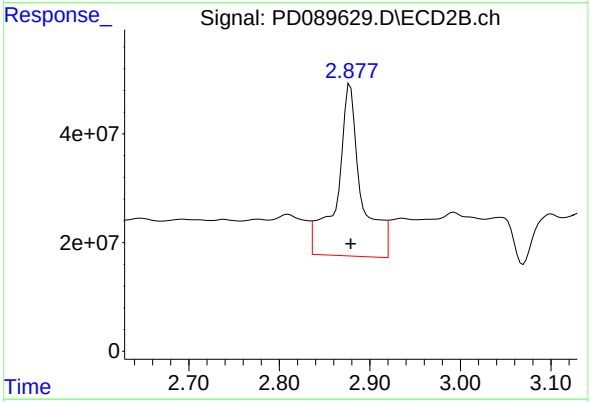




#1 Tetrachloro-m-xylene

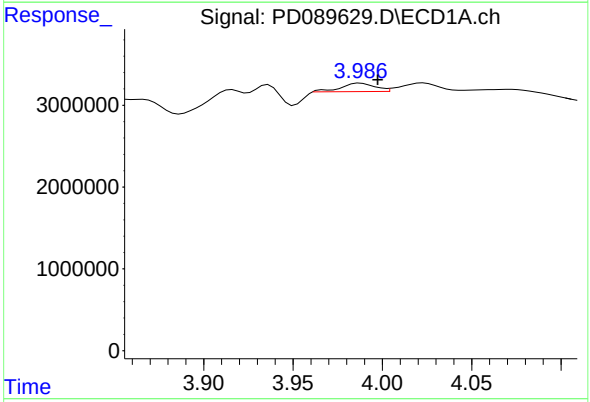
R.T.: 3.555 min
Delta R.T.: 0.006 min
Response: 35218033
Conc: 12.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725RE



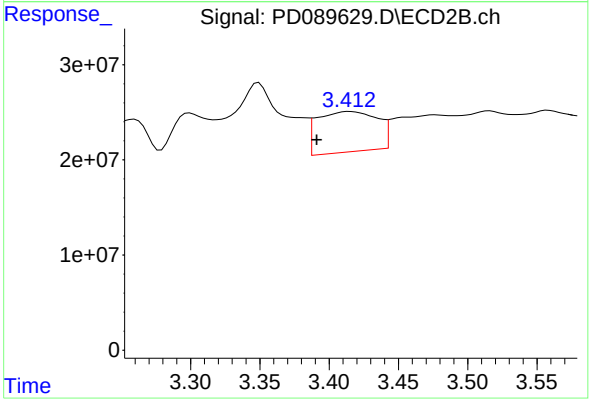
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 591016619
Conc: 30.21 ng/ml



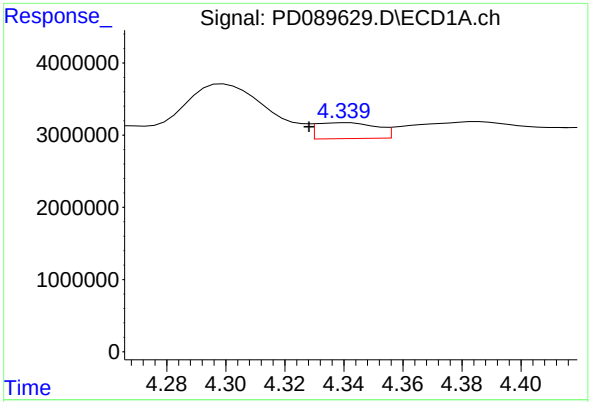
#2 alpha-BHC

R.T.: 3.988 min
Delta R.T.: -0.010 min
Response: 1313945
Conc: 0.23 ng/ml



#2 alpha-BHC

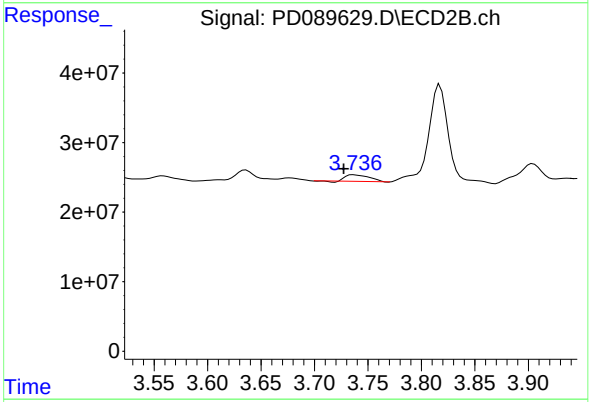
R.T.: 3.414 min
Delta R.T.: 0.024 min
Response: 127929054
Conc: 4.26 ng/ml



#3 gamma-BHC (Lindane)

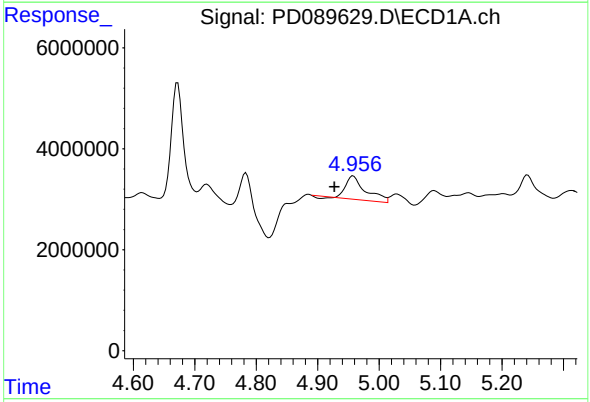
R.T.: 4.341 min
Delta R.T.: 0.013 min
Response: 3110193
Conc: 0.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725RE



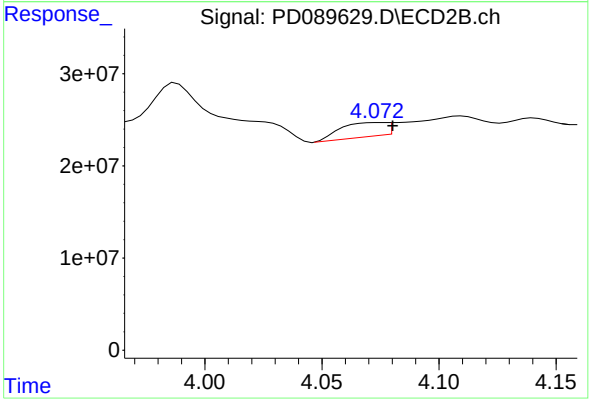
#3 gamma-BHC (Lindane)

R.T.: 3.737 min
Delta R.T.: 0.009 min
Response: 14074608
Conc: 0.51 ng/ml



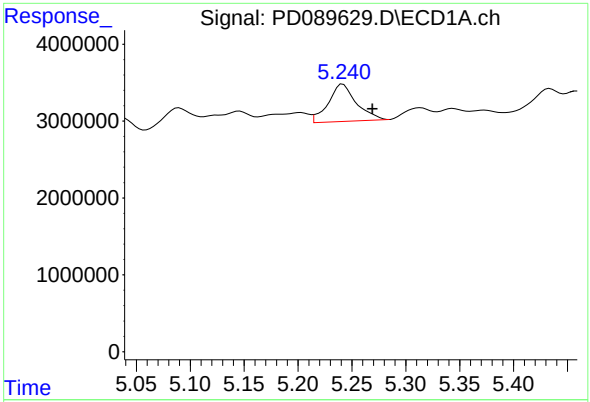
#4 Heptachlor

R.T.: 4.958 min
Delta R.T.: 0.031 min
Response: 9963472
Conc: 1.83 ng/ml



#4 Heptachlor

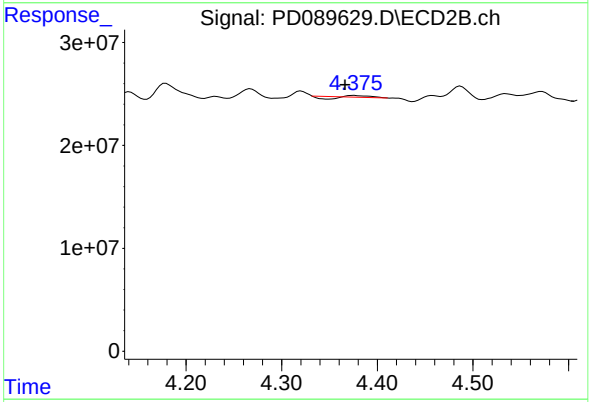
R.T.: 4.076 min
Delta R.T.: -0.004 min
Response: 20776288
Conc: 0.74 ng/ml



#5 Aldrin

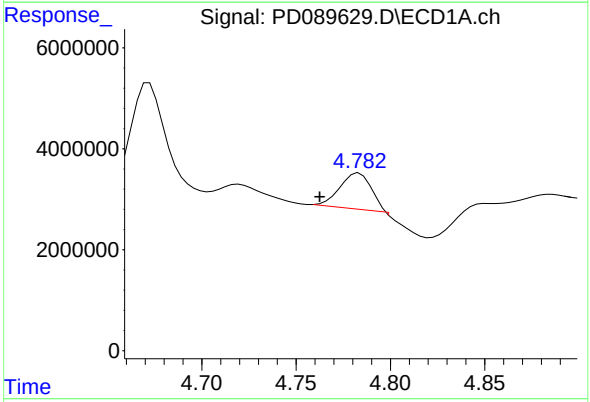
R.T.: 5.242 min
Delta R.T.: -0.027 min
Response: 8803130
Conc: 1.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725RE



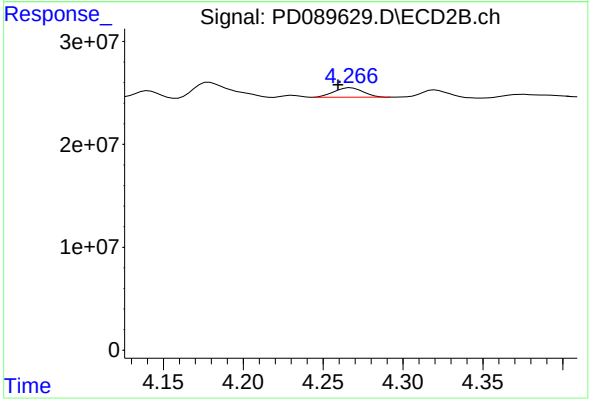
#5 Aldrin

R.T.: 4.376 min
Delta R.T.: 0.009 min
Response: 225559
Conc: 0.01 ng/ml



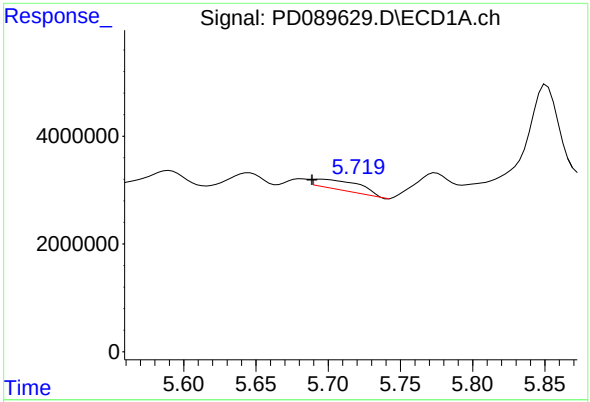
#7 delta-BHC

R.T.: 4.783 min
Delta R.T.: 0.021 min
Response: 7037341
Conc: 1.33 ng/ml



#7 delta-BHC

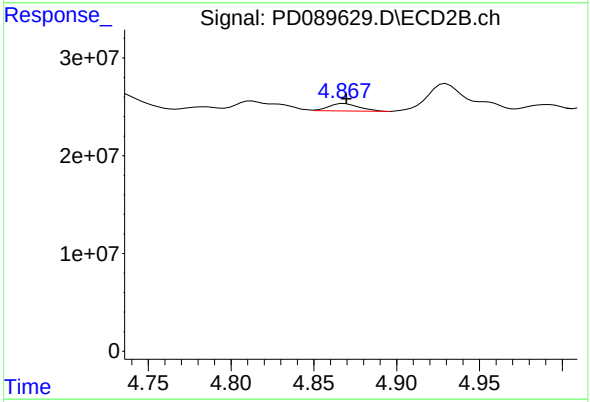
R.T.: 4.267 min
Delta R.T.: 0.008 min
Response: 11716246
Conc: 0.42 ng/ml



#8 Heptachlor epoxide

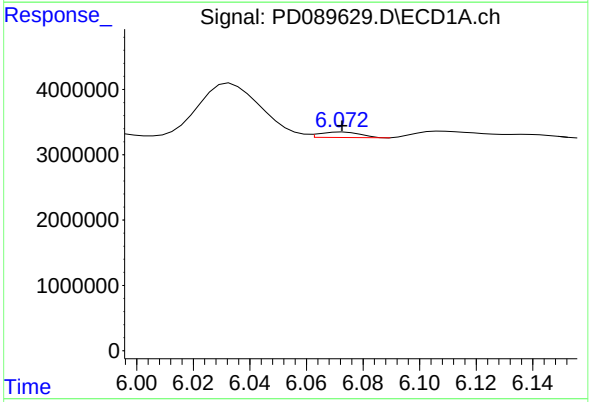
R.T.: 5.696 min
Delta R.T.: 0.007 min
Response: 4005025
Conc: 0.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725RE



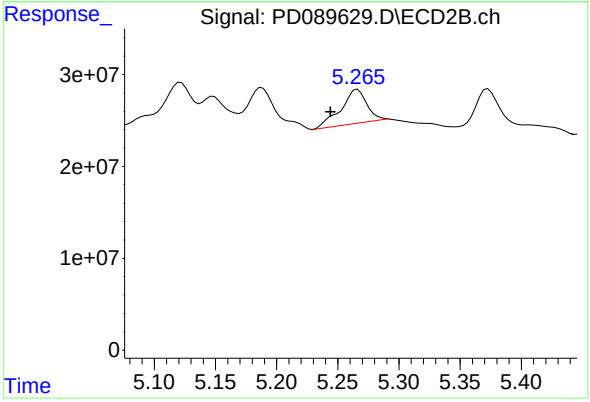
#8 Heptachlor epoxide

R.T.: 4.868 min
Delta R.T.: -0.001 min
Response: 9863617
Conc: 0.40 ng/ml



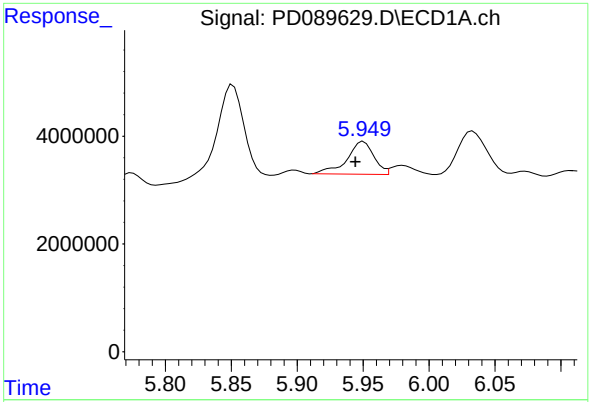
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 840872
Conc: 0.19 ng/ml



#9 Endosulfan I

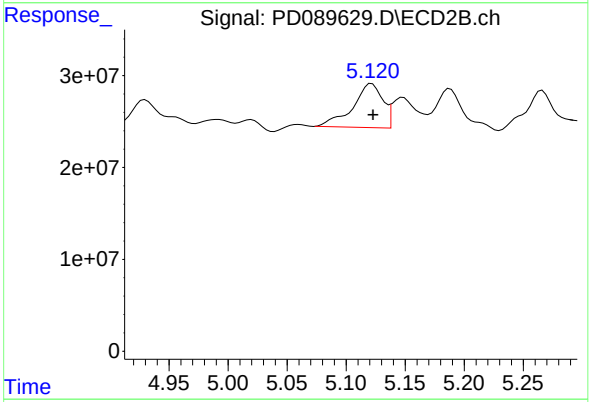
R.T.: 5.266 min
Delta R.T.: 0.022 min
Response: 53997583
Conc: 2.27 ng/ml



#10 gamma-Chlordane

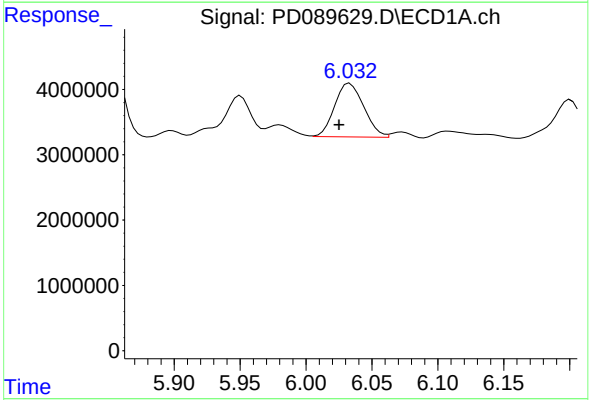
R.T.: 5.950 min
Delta R.T.: 0.006 min
Response: 8644968
Conc: 1.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725RE



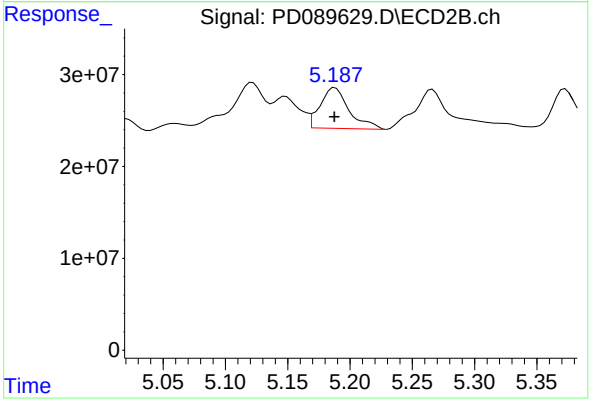
#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: -0.001 min
Response: 84490468
Conc: 3.16 ng/ml



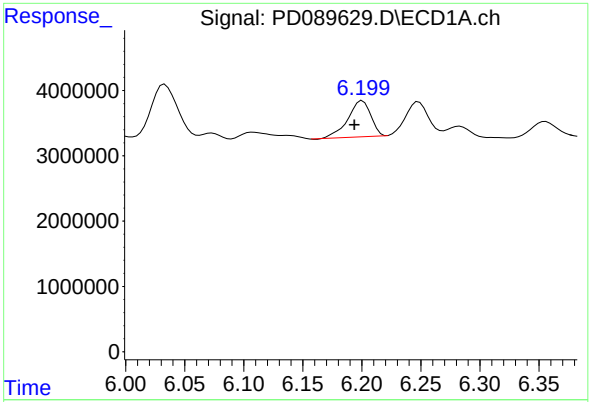
#11 alpha-Chlordane

R.T.: 6.033 min
Delta R.T.: 0.008 min
Response: 12646038
Conc: 2.65 ng/ml



#11 alpha-Chlordane

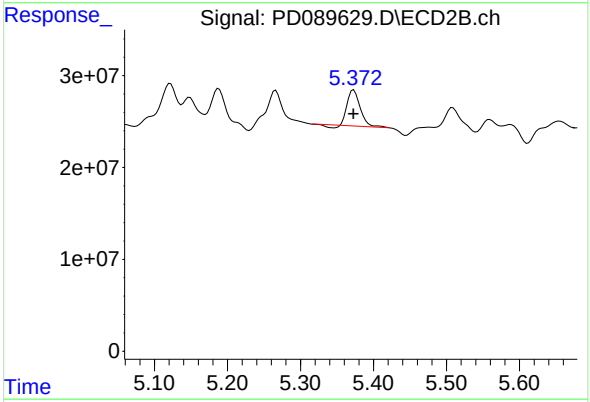
R.T.: 5.188 min
Delta R.T.: 0.000 min
Response: 71777519
Conc: 2.78 ng/ml



#12 4,4'-DDE

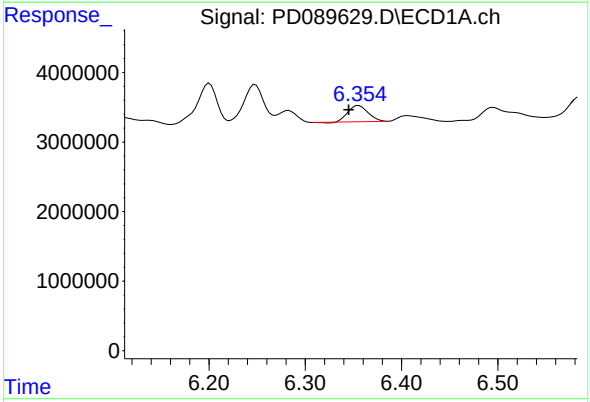
R.T.: 6.201 min
Delta R.T.: 0.007 min
Response: 7473001
Conc: 1.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725RE



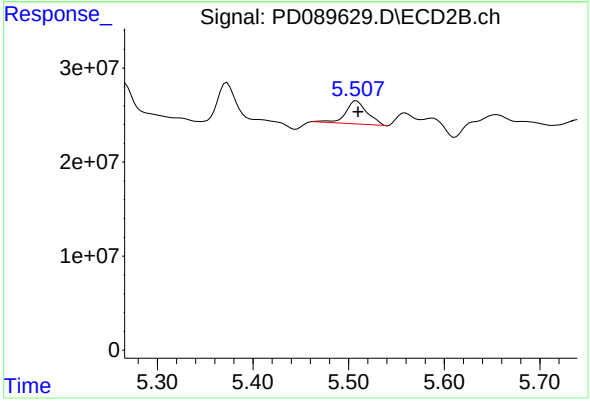
#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 45963704
Conc: 1.75 ng/ml



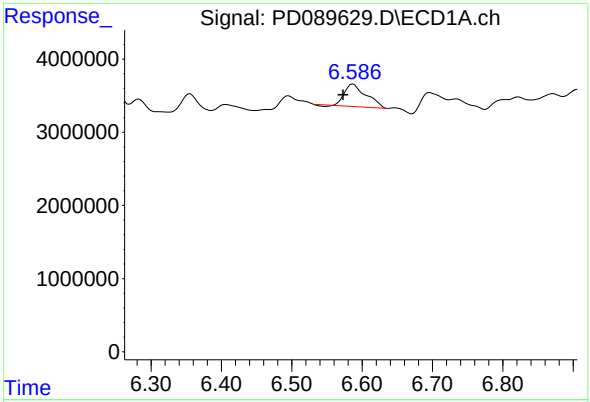
#13 Dieldrin

R.T.: 6.356 min
Delta R.T.: 0.010 min
Response: 3371352
Conc: 0.71 ng/ml



#13 Dieldrin

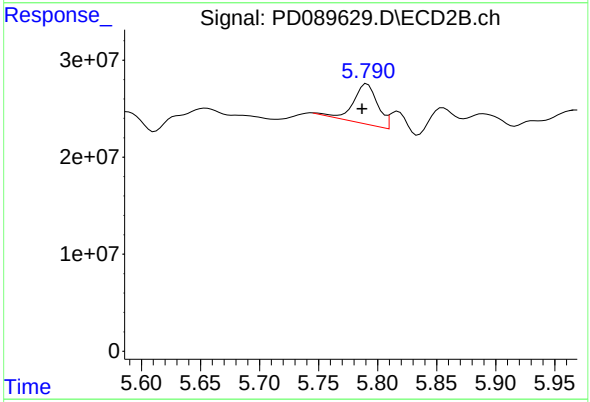
R.T.: 5.509 min
Delta R.T.: -0.001 min
Response: 38377423
Conc: 1.45 ng/ml



#14 Endrin

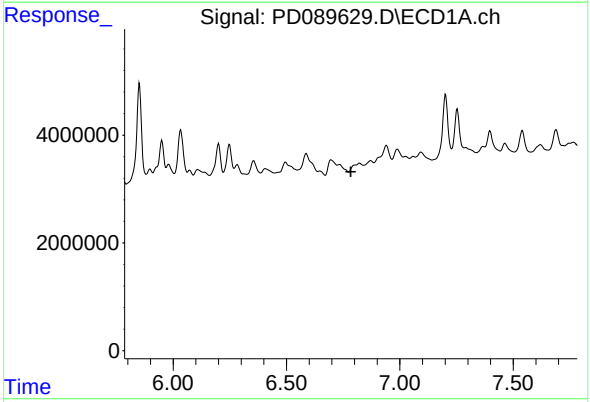
R.T.: 6.587 min
Delta R.T.: 0.014 min
Response: 6516744
Conc: 1.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725RE



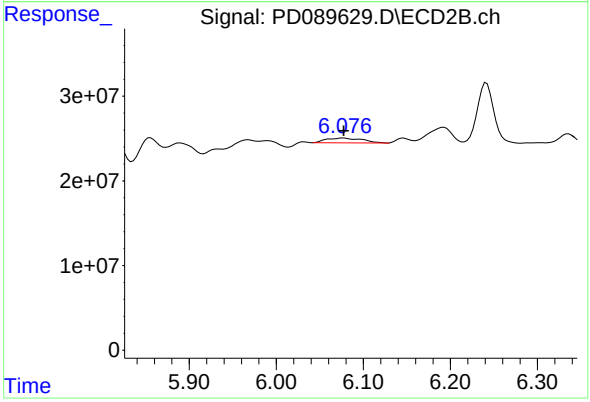
#14 Endrin

R.T.: 5.791 min
Delta R.T.: 0.004 min
Response: 59756658
Conc: 2.47 ng/ml



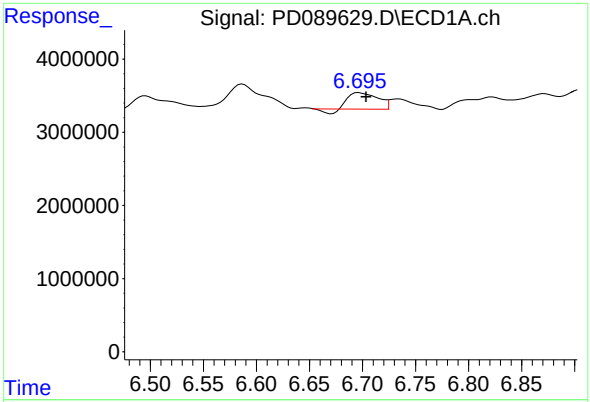
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.784 min
Response: 0
Conc: N.D.



#15 Endosulfan II

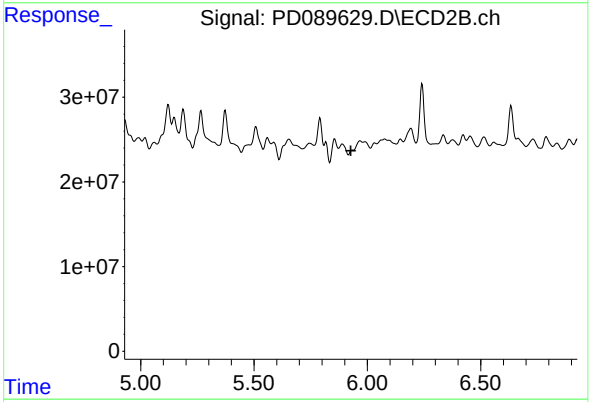
R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 16118950
Conc: 0.70 ng/ml



#16 4,4'-DDD

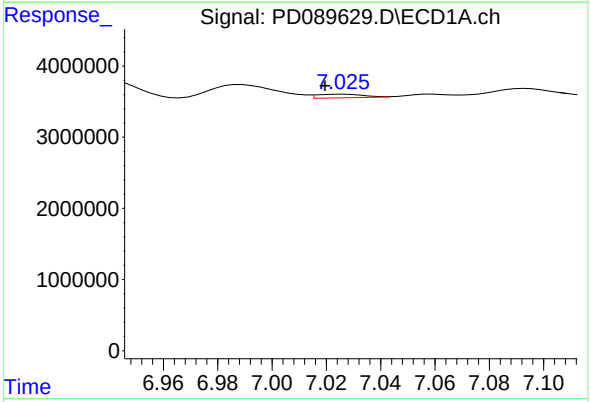
R.T.: 6.696 min
Delta R.T.: -0.007 min
Response: 3957495
Conc: 1.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725RE



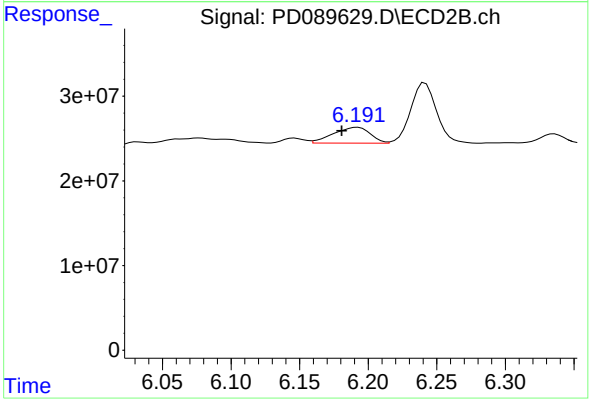
#16 4,4'-DDD

R.T.: 0.000 min
Exp R.T. : 5.927 min
Response: 0
Conc: N.D.



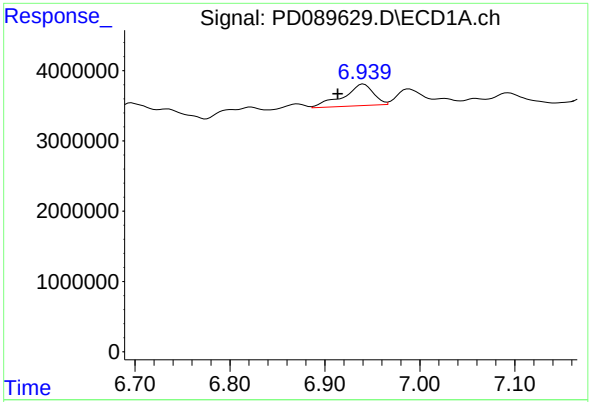
#17 4,4'-DDT

R.T.: 7.026 min
Delta R.T.: 0.007 min
Response: 608123
Conc: 0.16 ng/ml



#17 4,4'-DDT

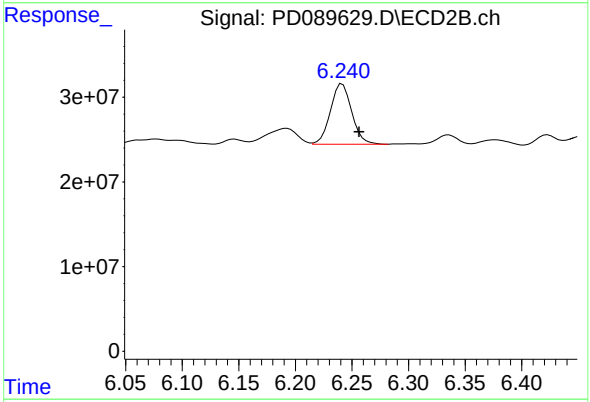
R.T.: 6.192 min
Delta R.T.: 0.011 min
Response: 34907631
Conc: 1.49 ng/ml



#18 Endrin aldehyde

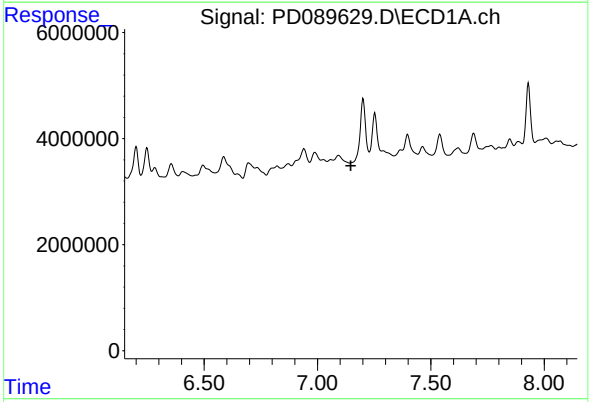
R.T.: 6.941 min
Delta R.T.: 0.027 min
Response: 6726764
Conc: 2.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725RE



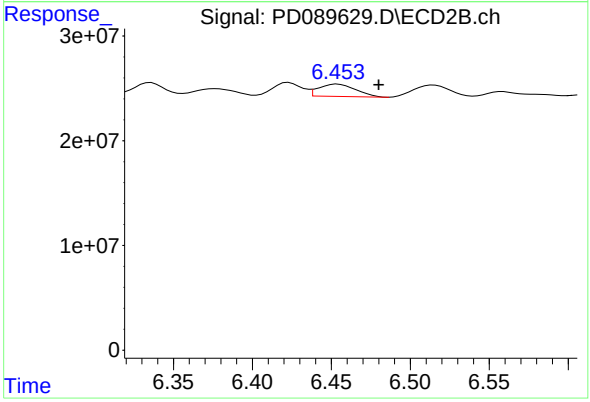
#18 Endrin aldehyde

R.T.: 6.242 min
Delta R.T.: -0.015 min
Response: 93514337
Conc: 5.63 ng/ml



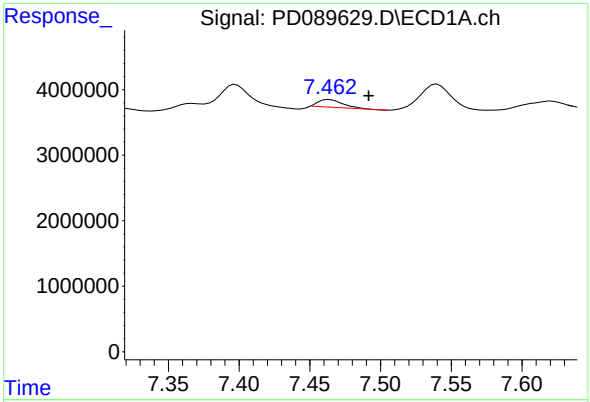
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T. : 7.148 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

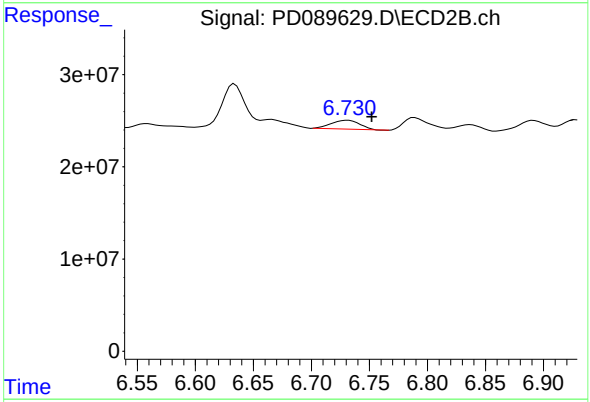
R.T.: 6.454 min
Delta R.T.: -0.026 min
Response: 19222685
Conc: 0.87 ng/ml



#20 Methoxychlor

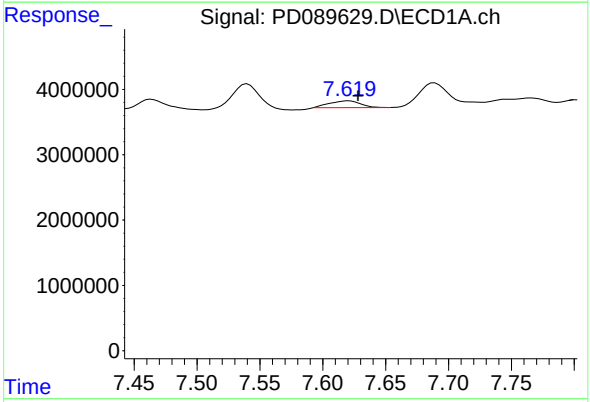
R.T.: 7.464 min
Delta R.T.: -0.028 min
Response: 1400055
Conc: 0.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725RE



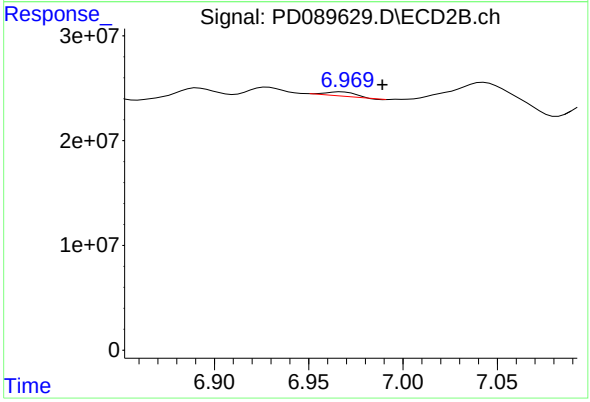
#20 Methoxychlor

R.T.: 6.731 min
Delta R.T.: -0.021 min
Response: 16516427
Conc: 1.35 ng/ml



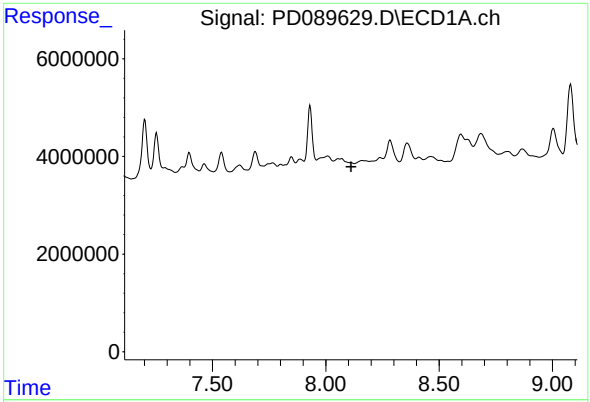
#21 Endrin ketone

R.T.: 7.621 min
Delta R.T.: -0.007 min
Response: 1796092
Conc: 0.45 ng/ml



#21 Endrin ketone

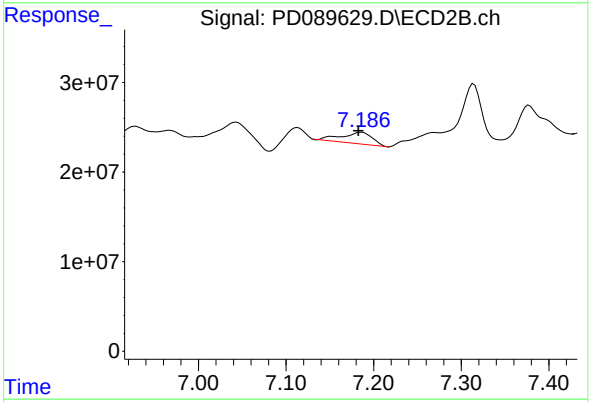
R.T.: 6.967 min
Delta R.T.: -0.022 min
Response: 4398862
Conc: 0.18 ng/ml



#22 Mirex

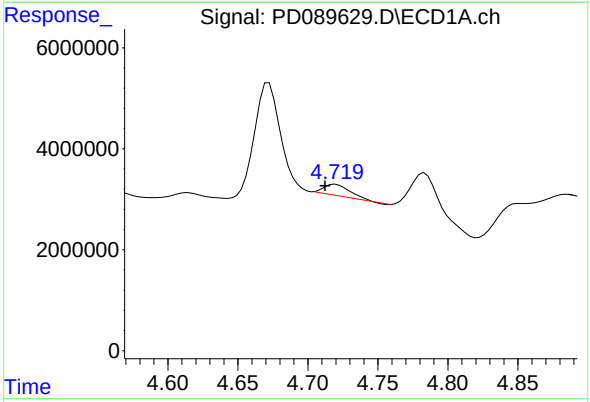
R.T.: 0.000 min
Exp R.T. : 8.112 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725RE



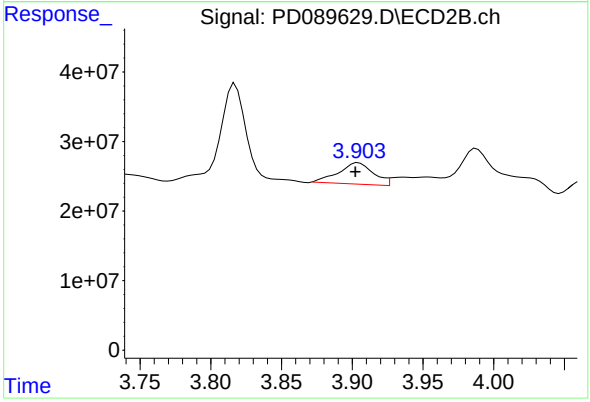
#22 Mirex

R.T.: 7.186 min
Delta R.T.: 0.003 min
Response: 31262976
Conc: 1.62 ng/ml



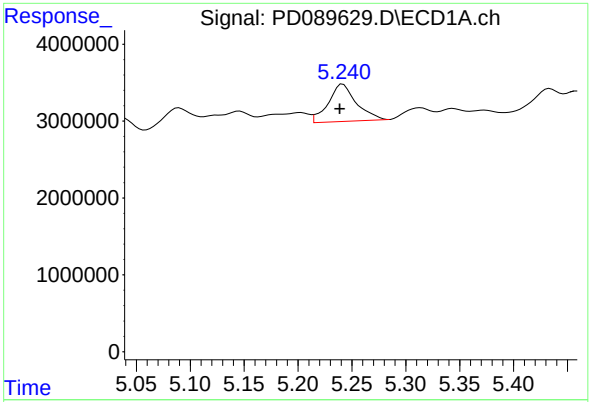
#23 Chlordane-1

R.T.: 4.720 min
Delta R.T.: 0.007 min
Response: 2939796
Conc: 15.02 ng/ml



#23 Chlordane-1

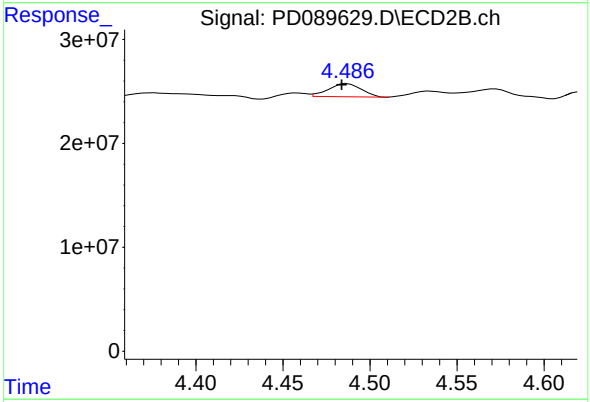
R.T.: 3.904 min
Delta R.T.: 0.002 min
Response: 52796941
Conc: 56.85 ng/ml



#24 Chlordane-2

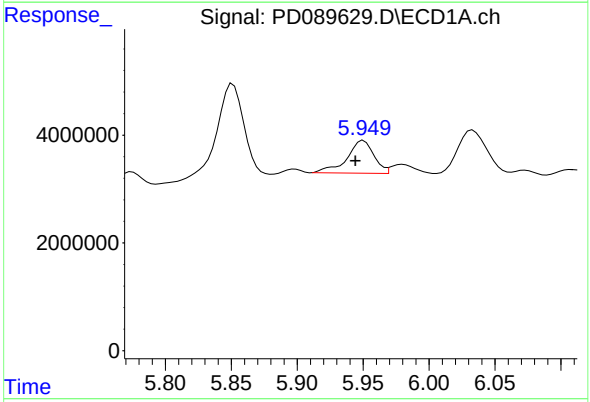
R.T.: 5.242 min
Delta R.T.: 0.003 min
Response: 8803130
Conc: 43.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725RE



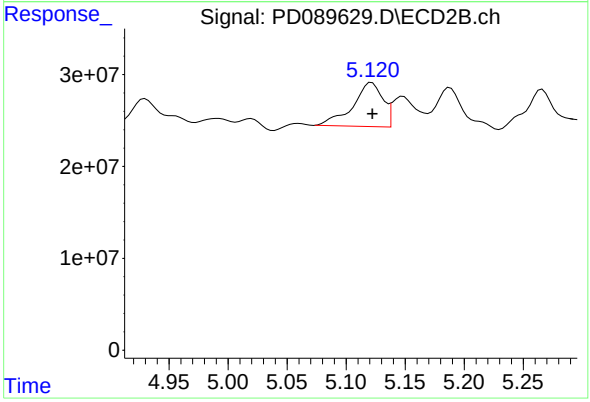
#24 Chlordane-2

R.T.: 4.487 min
Delta R.T.: 0.003 min
Response: 16600804
Conc: 16.94 ng/ml



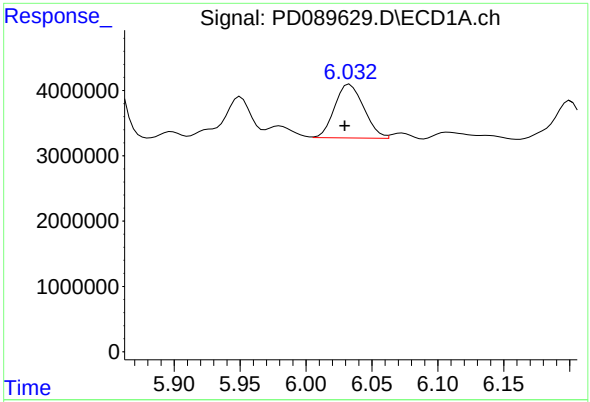
#25 Chlordane-3

R.T.: 5.950 min
Delta R.T.: 0.006 min
Response: 8644968
Conc: 11.09 ng/ml



#25 Chlordane-3

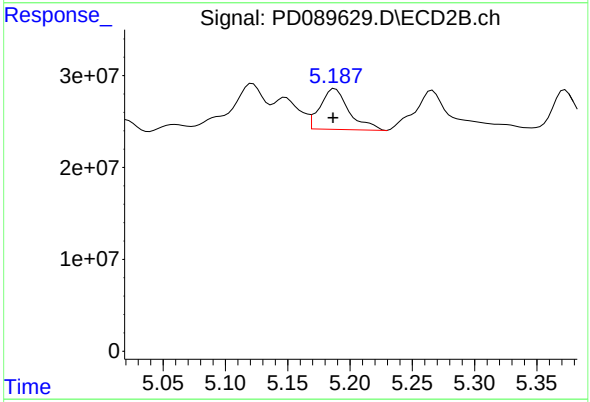
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 84490468
Conc: 29.27 ng/ml



#26 Chlordane-4

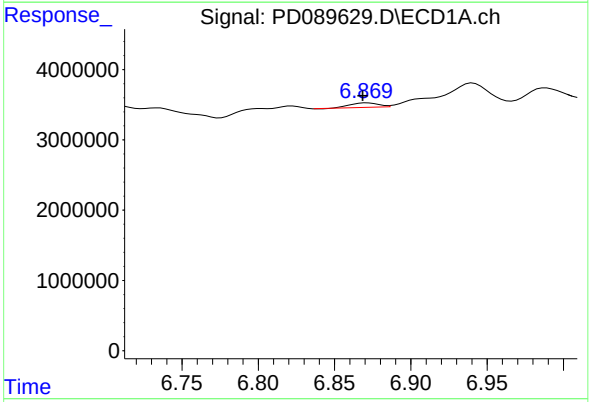
R.T.: 6.033 min
Delta R.T.: 0.004 min
Response: 12646038
Conc: 13.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725RE



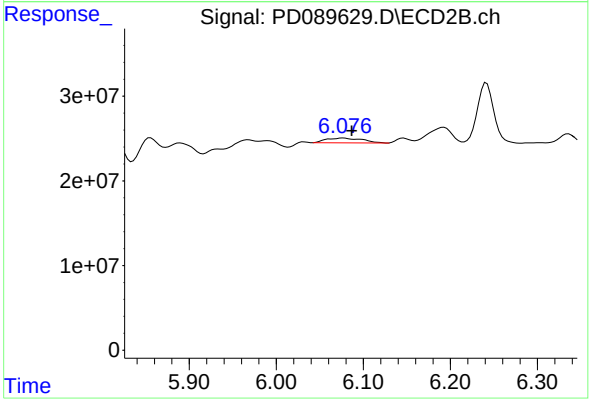
#26 Chlordane-4

R.T.: 5.188 min
Delta R.T.: 0.002 min
Response: 71777519
Conc: 29.76 ng/ml



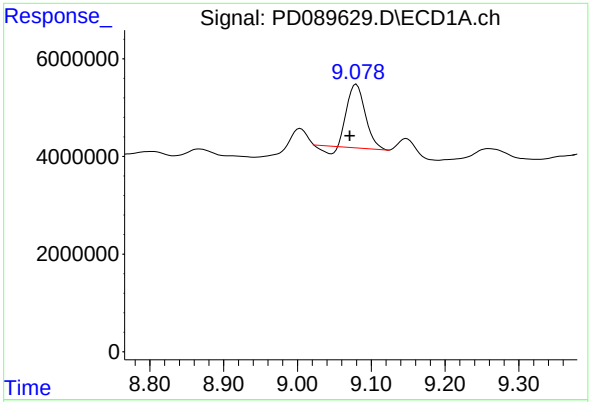
#27 Chlordane-5

R.T.: 6.872 min
Delta R.T.: 0.003 min
Response: 797653
Conc: 4.84 ng/ml



#27 Chlordane-5

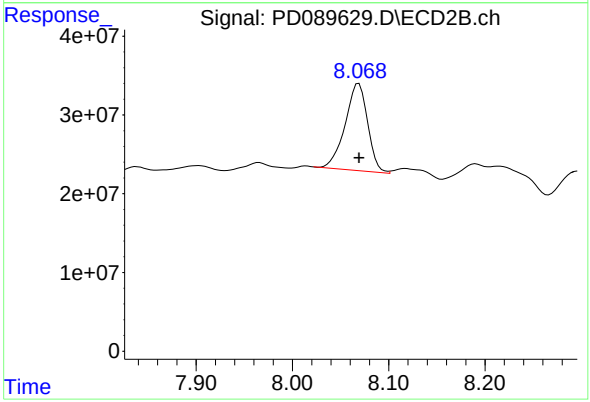
R.T.: 6.077 min
Delta R.T.: -0.010 min
Response: 16118950
Conc: 13.80 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.080 min
Delta R.T.: 0.009 min
Response: 21400300
Conc: 5.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-42-071725RE



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 179817200
Conc: 7.32 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072525\
Data File : PD089630.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 17:58
Operator : AR\AJ
Sample : Q2639-11RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:33:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.878	33673051	559.0E6	11.686	28.570	#
28)	SA Decachlor...	9.070	8.066	21408754	174.8E6	5.213	7.114	#
	Target Compounds							
2)	A alpha-BHC	3.982f	3.414f	581486	158.3E6	0.102	5.270	#
3)	MA gamma-BHC...	4.335	3.737	3338015	11877301	0.605	0.428	#
4)	MA Heptachlor	4.951f	4.108f	7456249	46492890	1.367	1.659	
6)	B beta-BHC	4.515	0.000	835219	0	0.387	N.D.	#
7)	B delta-BHC	4.775	4.268	9236106	12851137	1.748	0.461	#
8)	B Heptachlo...	5.679	4.867	9003776	12859253	1.906	0.517	#
9)	A Endosulfan I	6.064	5.266f	966252	41482188	0.217	1.747	#
10)	B gamma-Chl...	5.943	5.119	9227831	93988693	1.946	3.513	#
11)	B alpha-Chl...	6.027	5.186	13942933	82264416	2.925	3.190	
12)	B 4,4'-DDE	6.192	5.372	7142400	60238298	1.663	2.294	#
13)	MA Dieldrin	6.348	5.507	3361246	52925064	0.712	2.003	#
14)	MA Endrin	6.580	5.791	22905601	139.1E6	5.624	5.752	
15)	B Endosulfa...	0.000	6.104f	0	58524679	N.D.	2.548	#
16)	A 4,4'-DDD	6.690	5.930	16309442	-3548166	4.813	N.D.	#
17)	MA 4,4'-DDT	7.018	6.192	1022033	82664247	0.271	3.532	#
18)	B Endrin al...	6.932f	6.239f	7882497	124.6E6	2.704	7.505	#
19)	B Endosulfa...	0.000	6.453f	0	23206774	N.D.	1.045	#
20)	A Methoxychlor	0.000	6.725f	0	2555229	N.D.	0.210	#
22)	Mirex	0.000	7.183	0	29094442	N.D.	1.505	#
23)	Chlordane-1	4.712	3.904	295129	58620186	1.508	63.123	#
24)	Chlordane-2	5.233	4.486	14756329	51131333	73.382	52.161	#
25)	Chlordane-3	5.943	5.119	9227831	93988693	11.842	32.556	#
26)	Chlordane-4	6.027	5.186	13942933	82264416	14.689	34.104	#
27)	Chlordane-5	6.863	6.104	636800	58524679	3.861	50.088	#

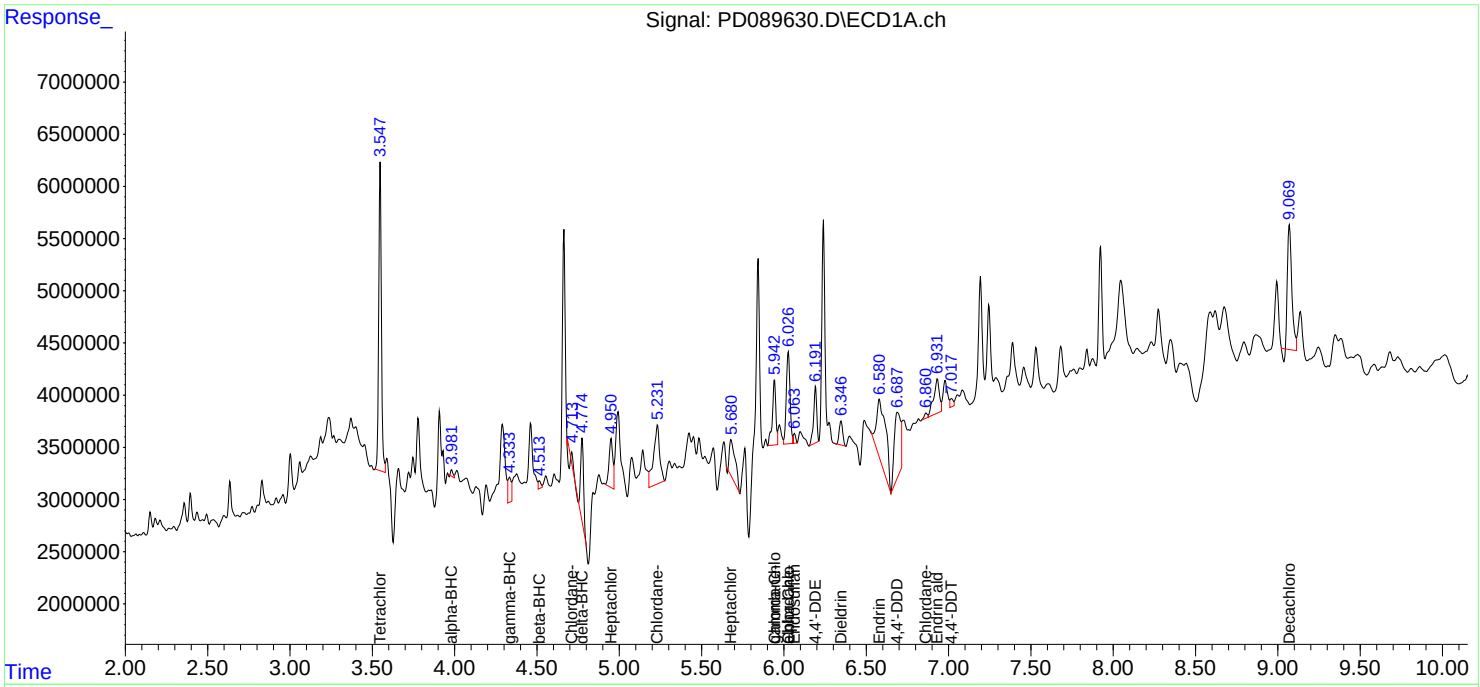
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

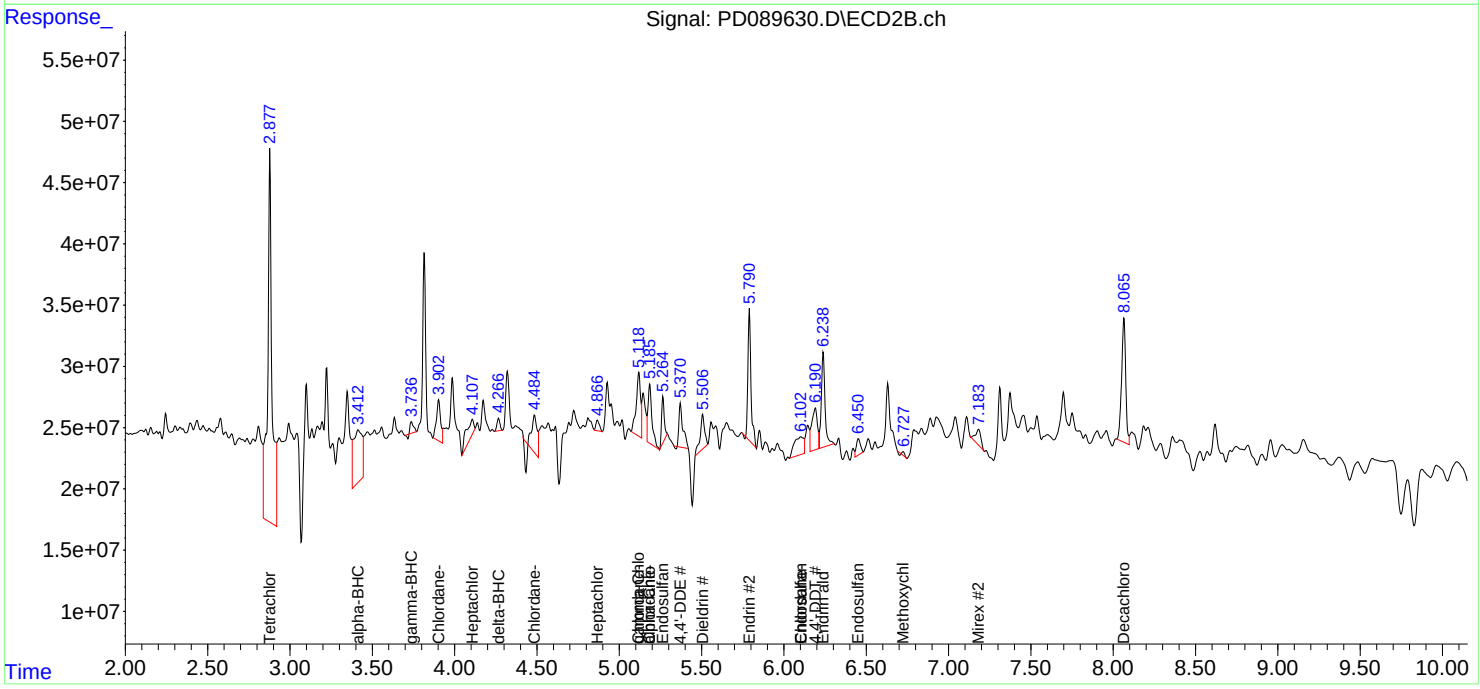
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072525\
Data File : PD089630.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 17:58
Operator : AR\AJ
Sample : Q2639-11RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

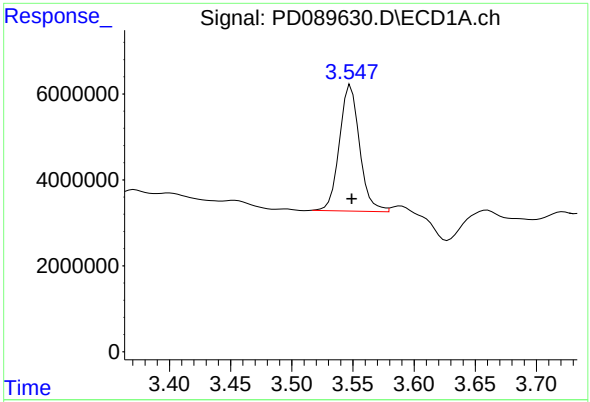
Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:33:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



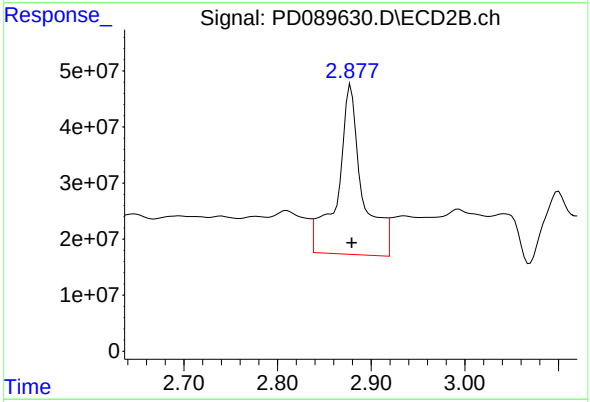




#1 Tetrachloro-m-xylene

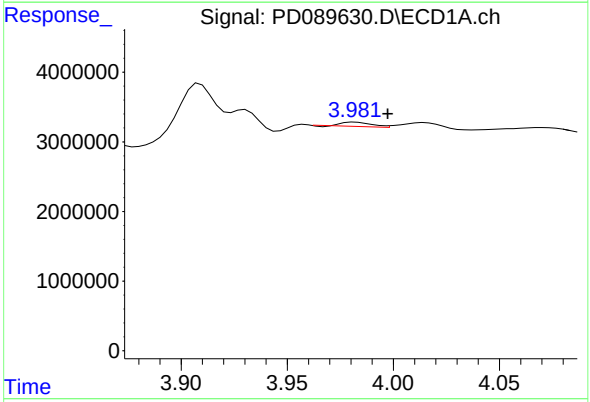
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 33673051
Conc: 11.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725RE



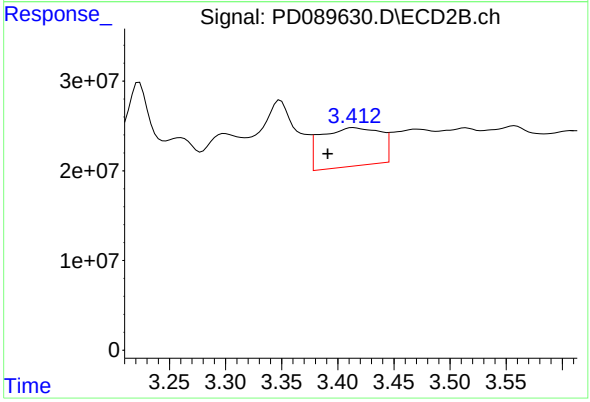
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 559009881
Conc: 28.57 ng/ml



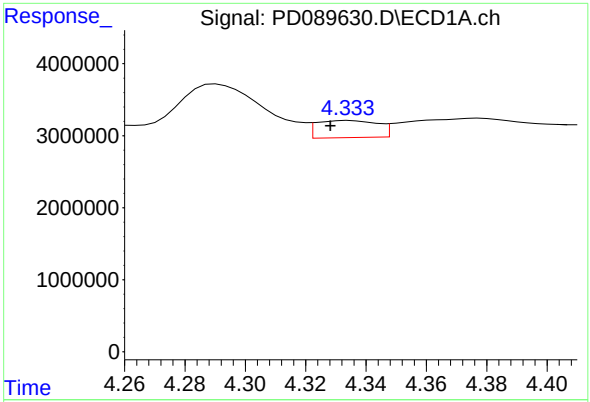
#2 alpha-BHC

R.T.: 3.982 min
Delta R.T.: -0.015 min
Response: 581486
Conc: 0.10 ng/ml



#2 alpha-BHC

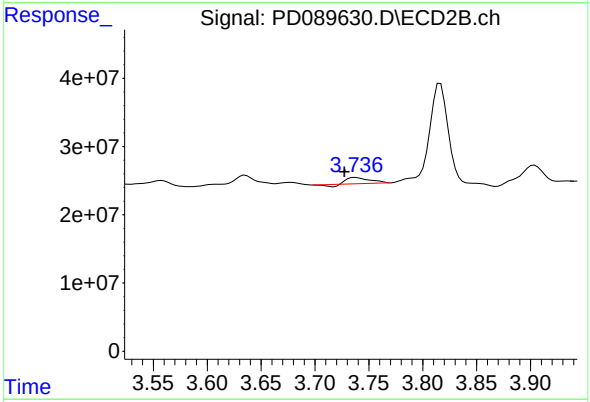
R.T.: 3.414 min
Delta R.T.: 0.023 min
Response: 158343535
Conc: 5.27 ng/ml



#3 gamma-BHC (Lindane)

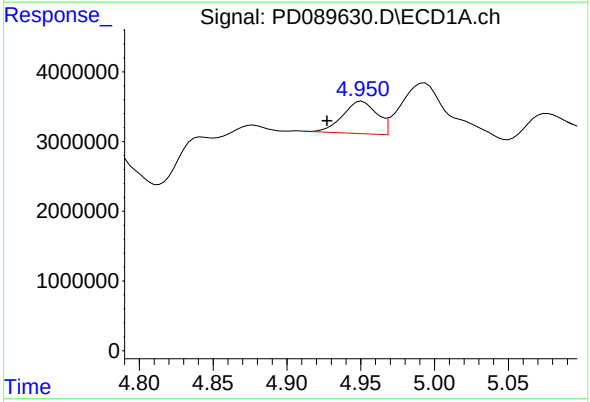
R.T.: 4.335 min
Delta R.T.: 0.006 min
Response: 3338015
Conc: 0.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725RE



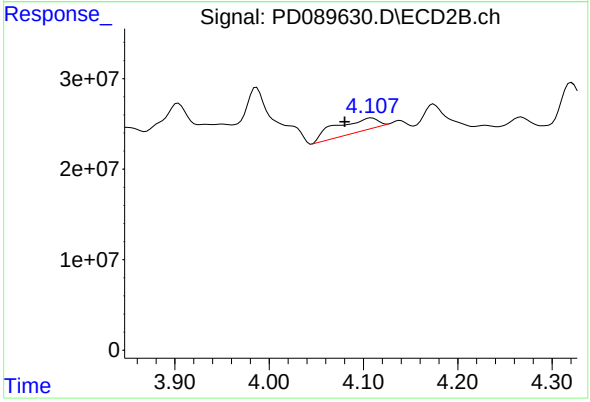
#3 gamma-BHC (Lindane)

R.T.: 3.737 min
Delta R.T.: 0.010 min
Response: 11877301
Conc: 0.43 ng/ml



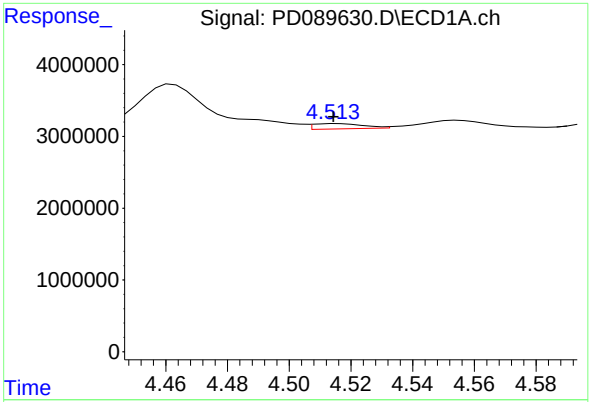
#4 Heptachlor

R.T.: 4.951 min
Delta R.T.: 0.024 min
Response: 7456249
Conc: 1.37 ng/ml



#4 Heptachlor

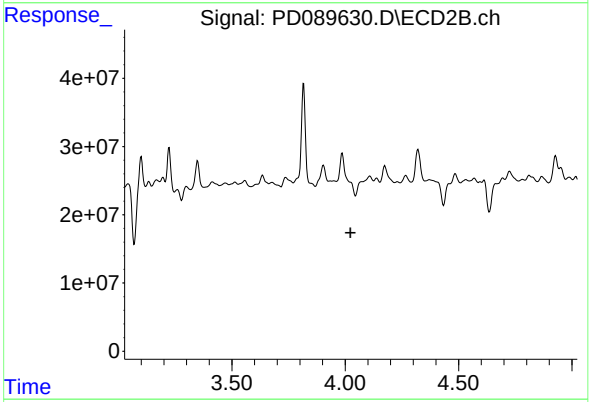
R.T.: 4.108 min
Delta R.T.: 0.028 min
Response: 46492890
Conc: 1.66 ng/ml



#6 beta-BHC

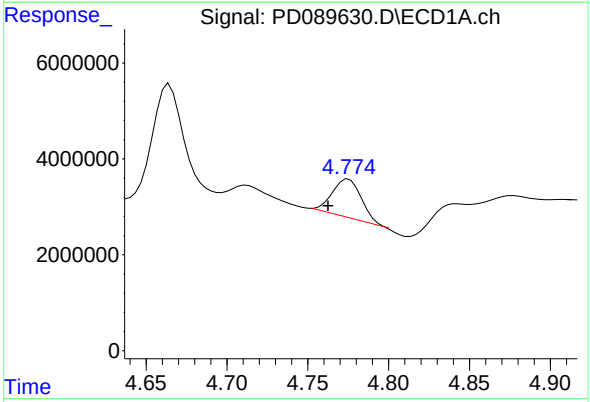
R.T.: 4.515 min
Delta R.T.: 0.001 min
Response: 835219
Conc: 0.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725RE



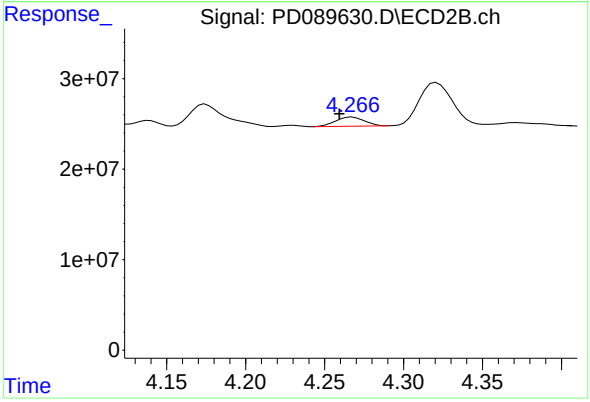
#6 beta-BHC

R.T.: 0.000 min
Exp R.T. : 4.023 min
Response: 0
Conc: N.D.



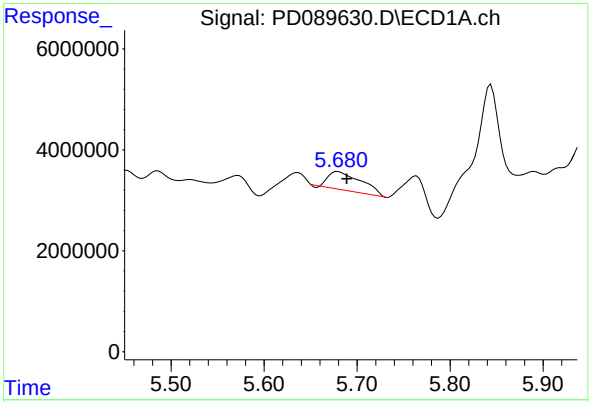
#7 delta-BHC

R.T.: 4.775 min
Delta R.T.: 0.013 min
Response: 9236106
Conc: 1.75 ng/ml



#7 delta-BHC

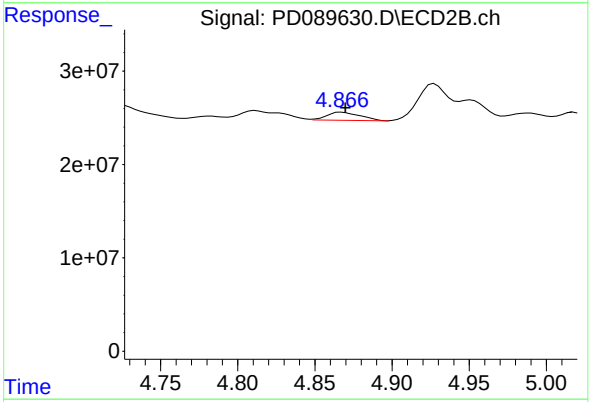
R.T.: 4.268 min
Delta R.T.: 0.008 min
Response: 12851137
Conc: 0.46 ng/ml



#8 Heptachlor epoxide

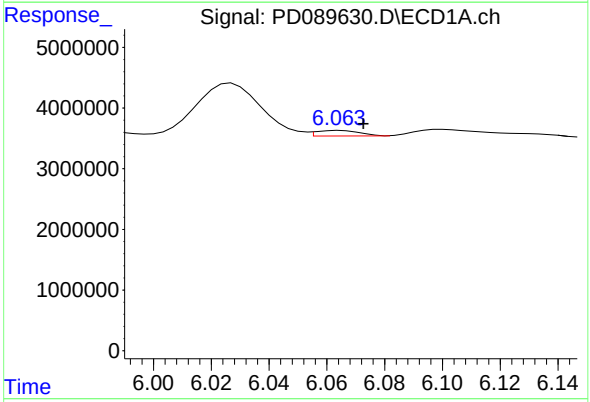
R.T.: 5.679 min
Delta R.T.: -0.010 min
Response: 9003776
Conc: 1.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725RE



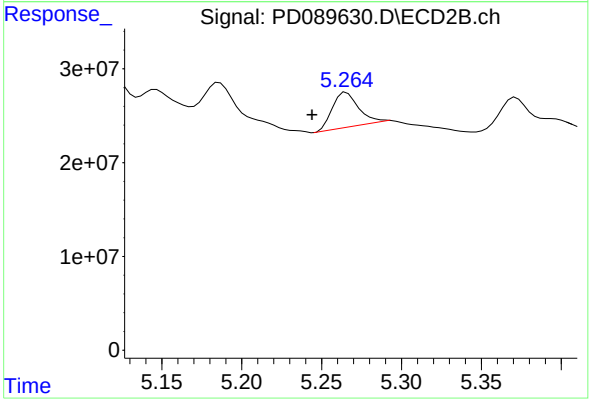
#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: -0.002 min
Response: 12859253
Conc: 0.52 ng/ml



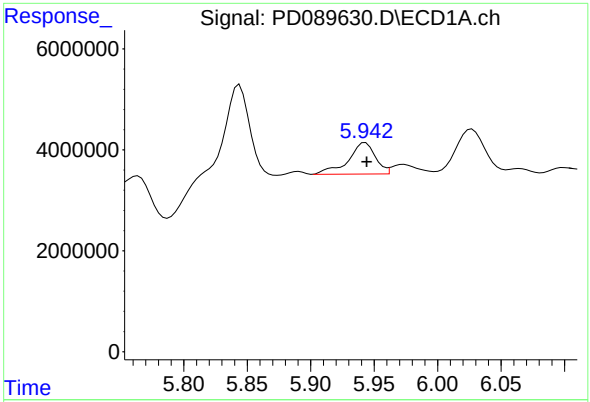
#9 Endosulfan I

R.T.: 6.064 min
Delta R.T.: -0.008 min
Response: 966252
Conc: 0.22 ng/ml



#9 Endosulfan I

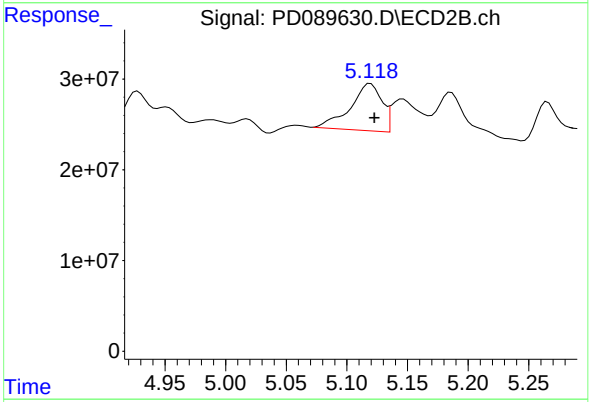
R.T.: 5.266 min
Delta R.T.: 0.021 min
Response: 41482188
Conc: 1.75 ng/ml



#10 gamma-Chlordane

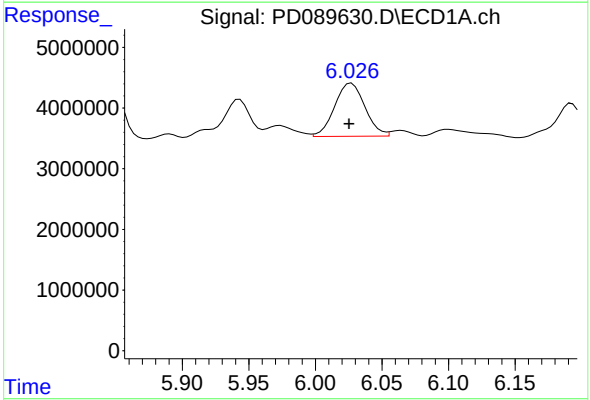
R.T.: 5.943 min
Delta R.T.: -0.001 min
Response: 9227831
Conc: 1.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725RE



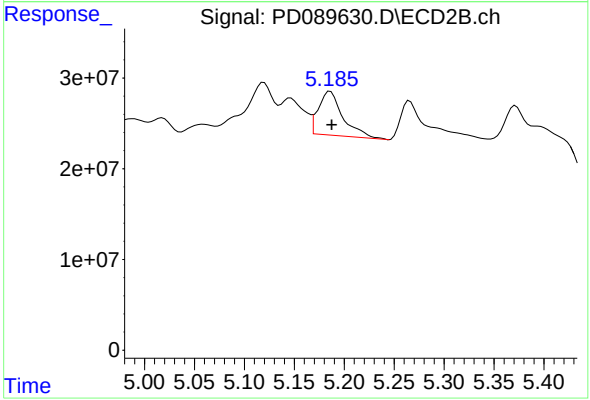
#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: -0.003 min
Response: 93988693
Conc: 3.51 ng/ml



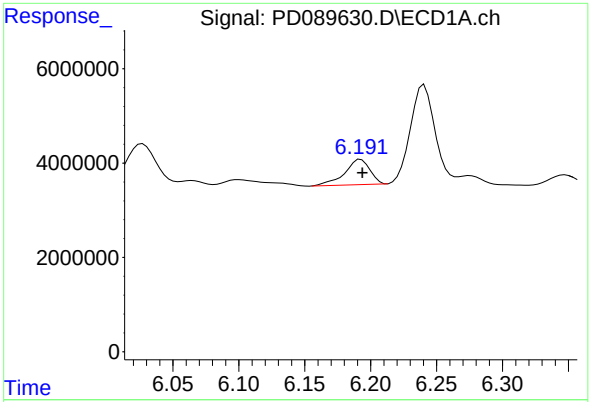
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.002 min
Response: 13942933
Conc: 2.93 ng/ml



#11 alpha-Chlordane

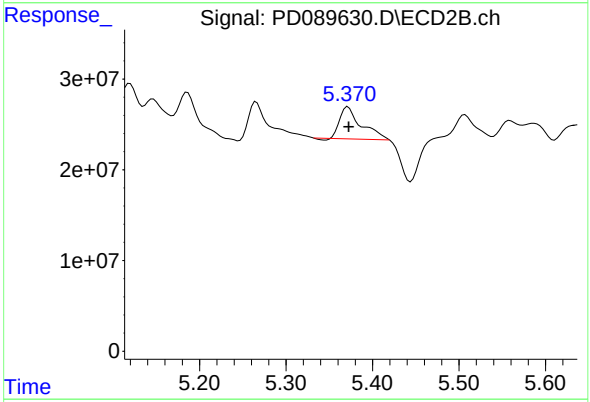
R.T.: 5.186 min
Delta R.T.: -0.001 min
Response: 82264416
Conc: 3.19 ng/ml



#12 4,4'-DDE

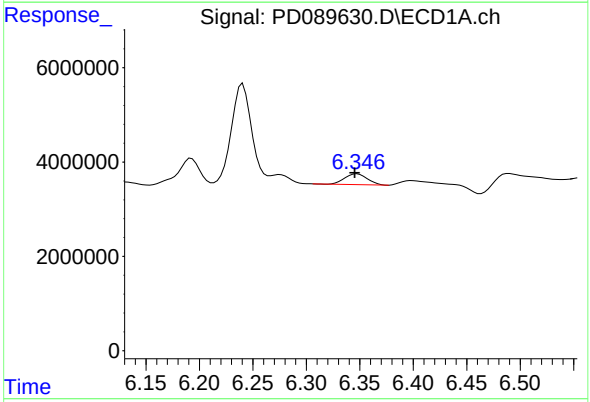
R.T.: 6.192 min
Delta R.T.: -0.001 min
Response: 7142400
Conc: 1.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725RE



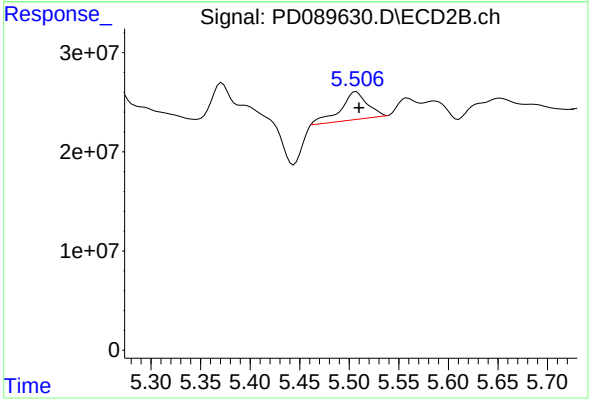
#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: -0.001 min
Response: 60238298
Conc: 2.29 ng/ml



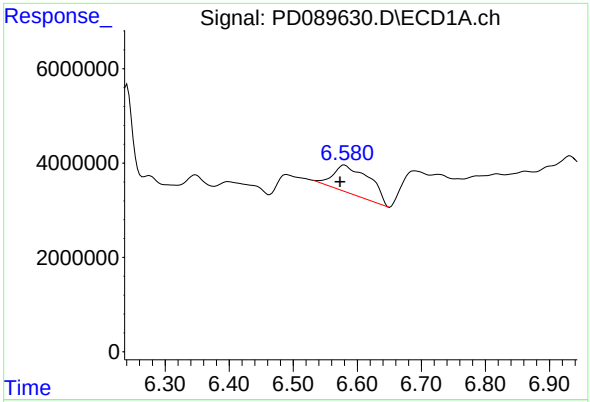
#13 Dieldrin

R.T.: 6.348 min
Delta R.T.: 0.002 min
Response: 3361246
Conc: 0.71 ng/ml



#13 Dieldrin

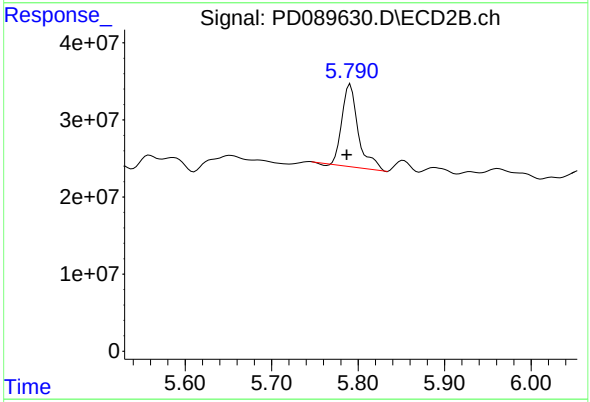
R.T.: 5.507 min
Delta R.T.: -0.003 min
Response: 52925064
Conc: 2.00 ng/ml



#14 Endrin

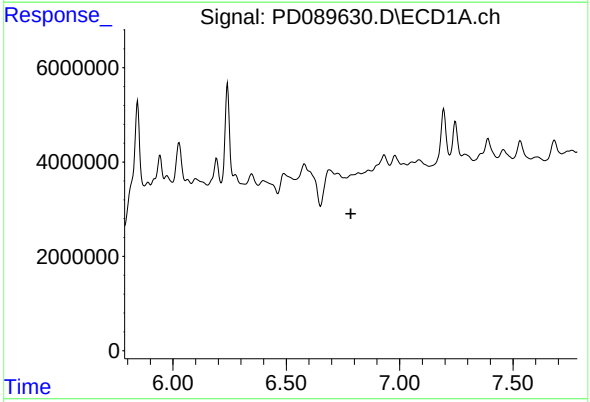
R.T.: 6.580 min
Delta R.T.: 0.007 min
Response: 22905601
Conc: 5.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725RE



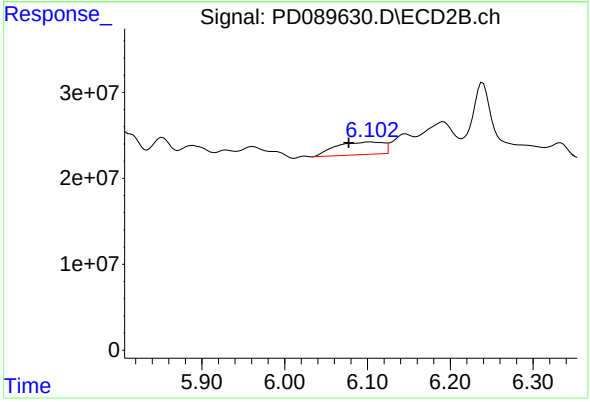
#14 Endrin

R.T.: 5.791 min
Delta R.T.: 0.004 min
Response: 139081881
Conc: 5.75 ng/ml



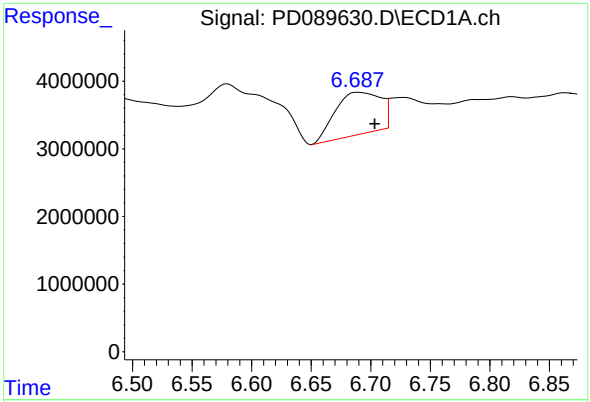
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.784 min
Response: 0
Conc: N.D.



#15 Endosulfan II

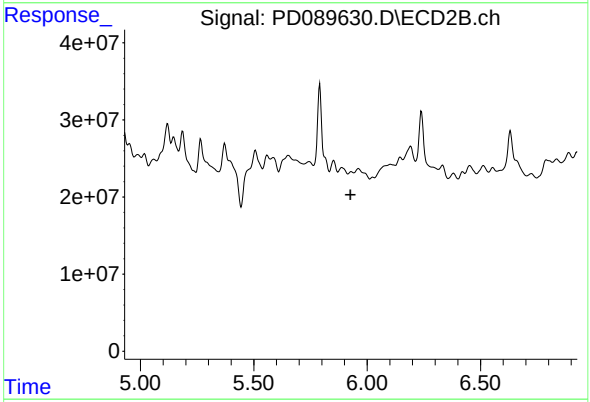
R.T.: 6.104 min
Delta R.T.: 0.026 min
Response: 58524679
Conc: 2.55 ng/ml



#16 4,4'-DDD

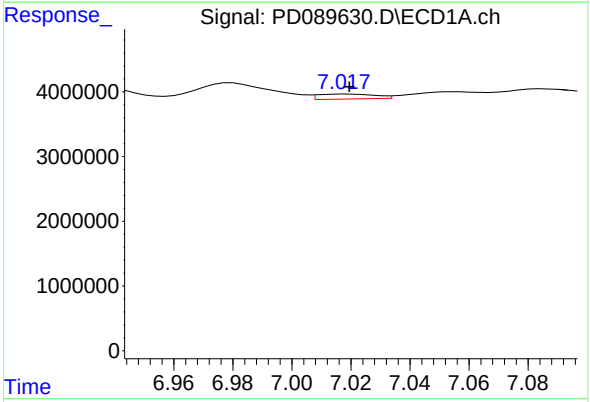
R.T.: 6.690 min
Delta R.T.: -0.014 min
Response: 16309442
Conc: 4.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725RE



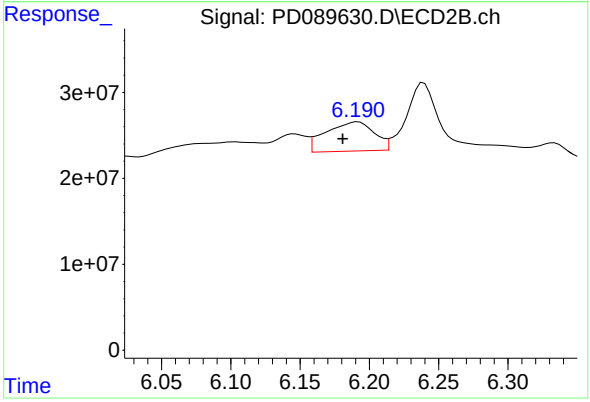
#16 4,4'-DDD

R.T.: 5.930 min
Delta R.T.: 0.003 min
Response: -3548166
Conc: N.D.



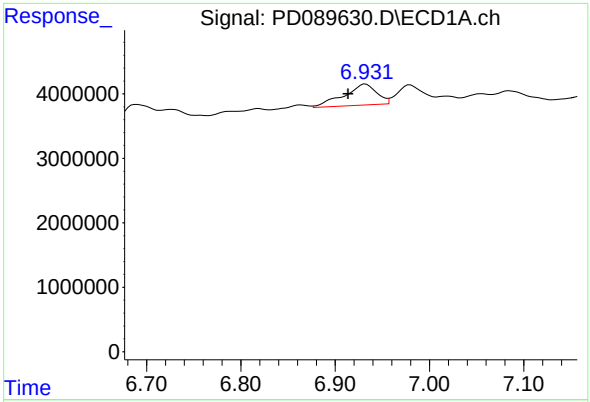
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: -0.001 min
Response: 1022033
Conc: 0.27 ng/ml



#17 4,4'-DDT

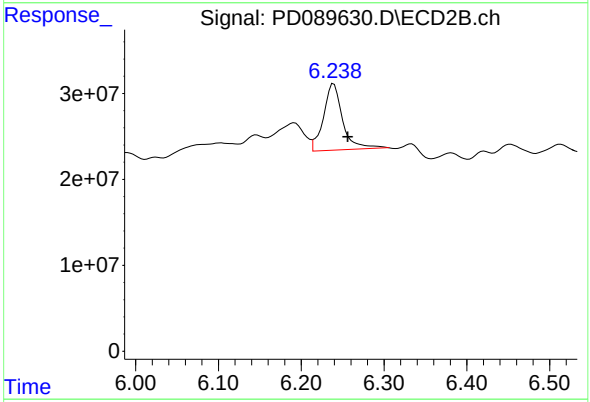
R.T.: 6.192 min
Delta R.T.: 0.011 min
Response: 82664247
Conc: 3.53 ng/ml



#18 Endrin aldehyde

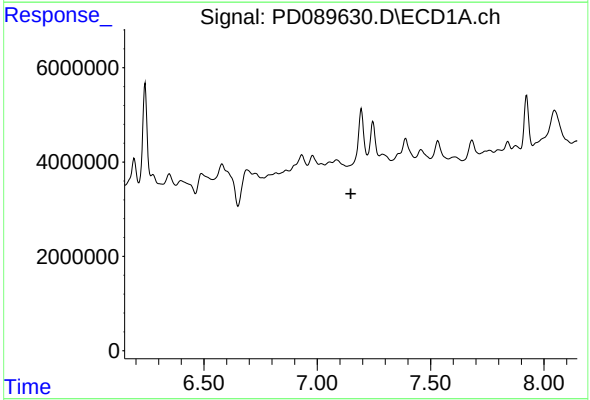
R.T.: 6.932 min
Delta R.T.: 0.019 min
Response: 7882497
Conc: 2.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725RE



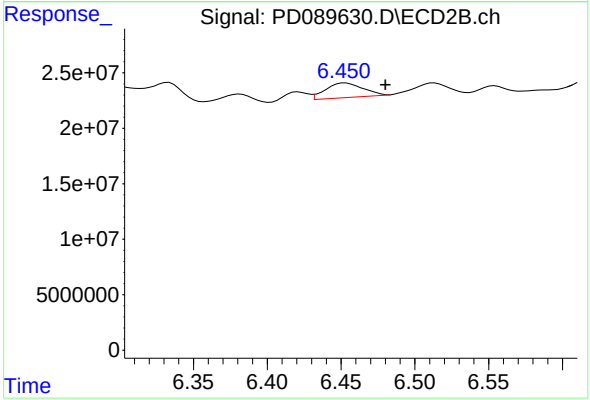
#18 Endrin aldehyde

R.T.: 6.239 min
Delta R.T.: -0.017 min
Response: 124558800
Conc: 7.50 ng/ml



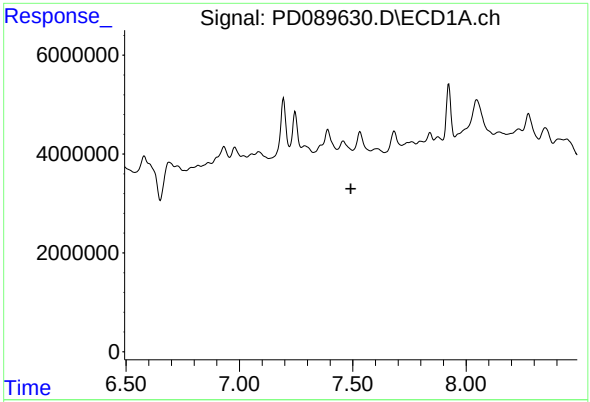
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T. : 7.148 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

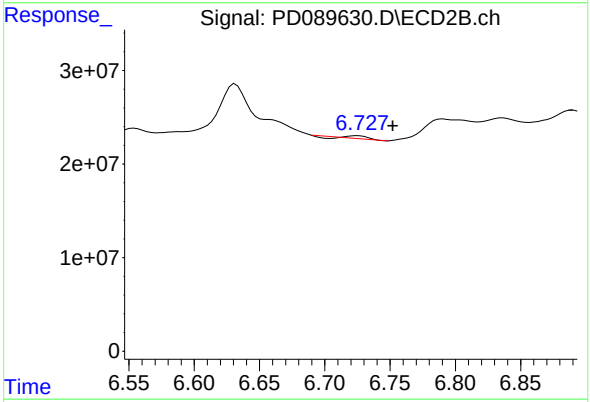
R.T.: 6.453 min
Delta R.T.: -0.027 min
Response: 23206774
Conc: 1.05 ng/ml



#20 Methoxychlor

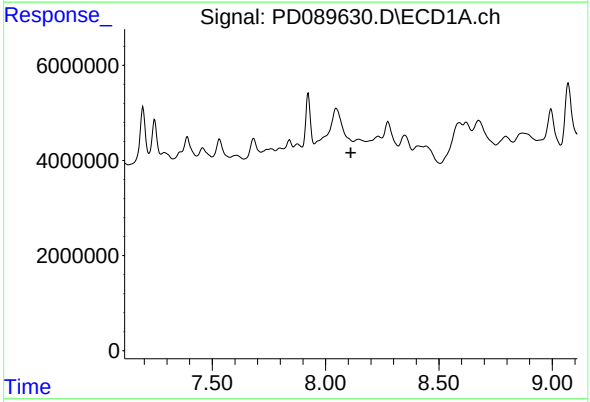
R.T.: 0.000 min
Exp R.T. : 7.492 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725RE



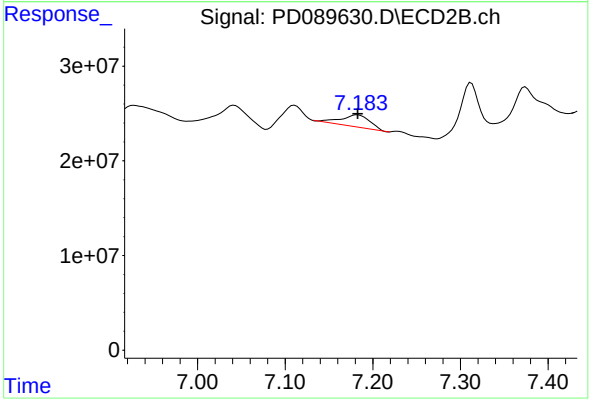
#20 Methoxychlor

R.T.: 6.725 min
Delta R.T.: -0.027 min
Response: 2555229
Conc: 0.21 ng/ml



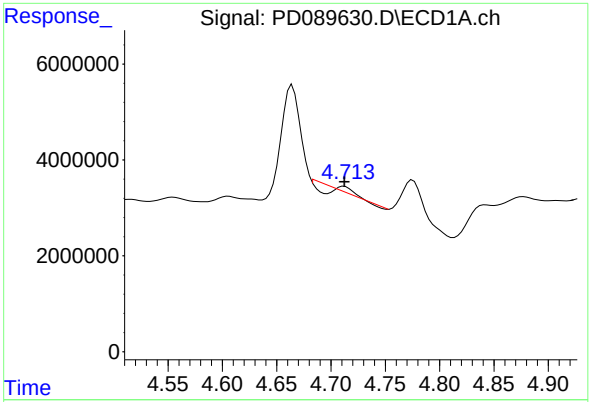
#22 Mirex

R.T.: 0.000 min
Exp R.T. : 8.112 min
Response: 0
Conc: N.D.



#22 Mirex

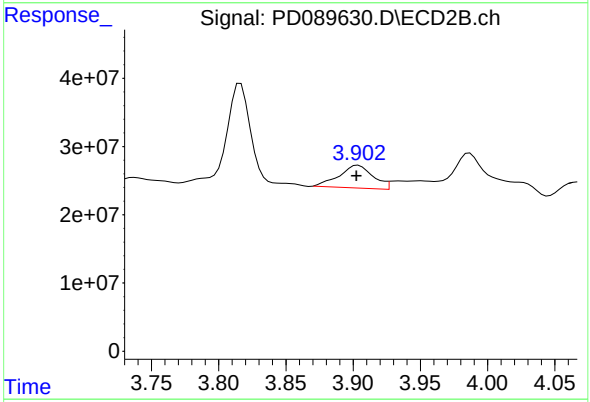
R.T.: 7.183 min
Delta R.T.: 0.000 min
Response: 29094442
Conc: 1.51 ng/ml



#23 Chlordane-1

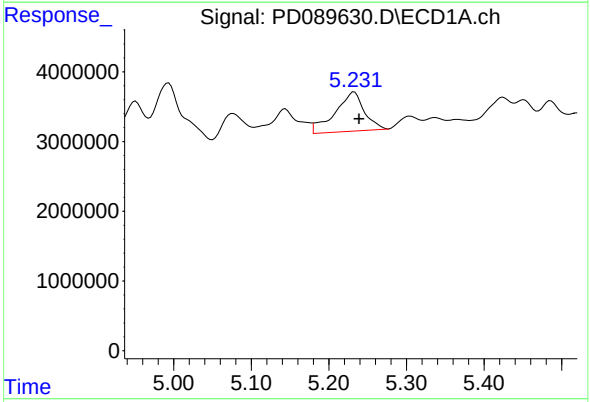
R.T.: 4.712 min
Delta R.T.: 0.000 min
Response: 295129
Conc: 1.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725RE



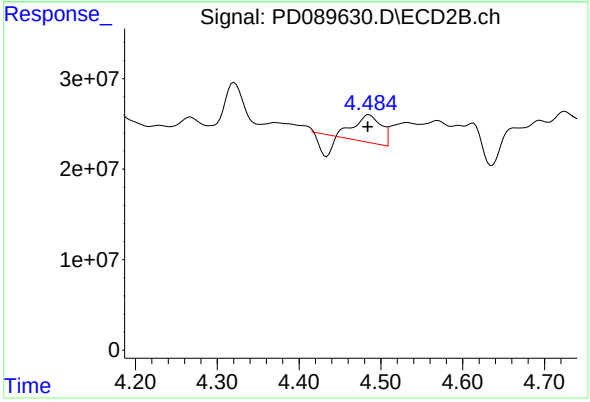
#23 Chlordane-1

R.T.: 3.904 min
Delta R.T.: 0.001 min
Response: 58620186
Conc: 63.12 ng/ml



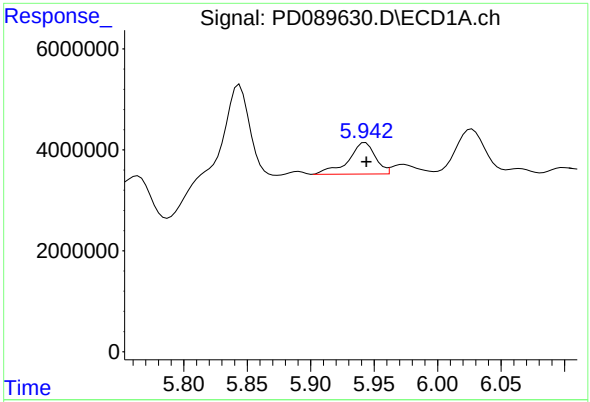
#24 Chlordane-2

R.T.: 5.233 min
Delta R.T.: -0.006 min
Response: 14756329
Conc: 73.38 ng/ml



#24 Chlordane-2

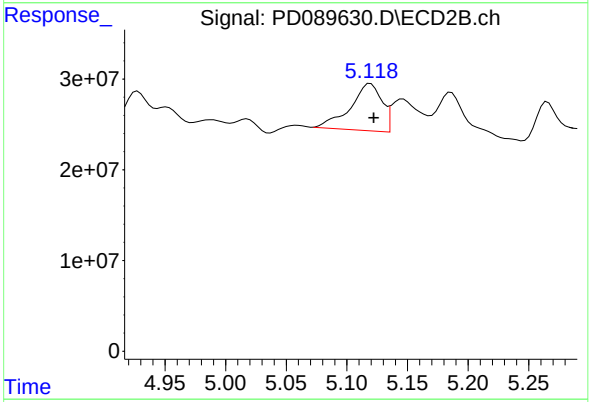
R.T.: 4.486 min
Delta R.T.: 0.002 min
Response: 51131333
Conc: 52.16 ng/ml



#25 Chlordane-3

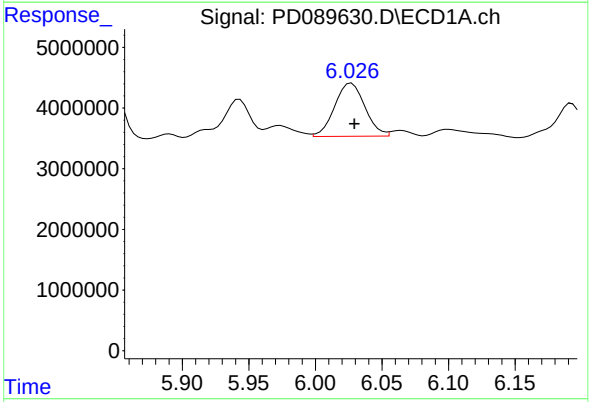
R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 9227831
Conc: 11.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725RE



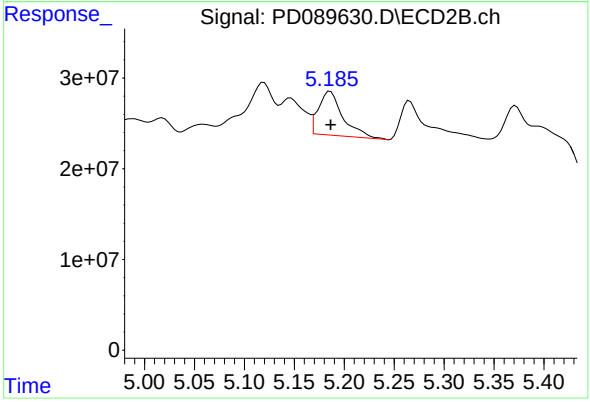
#25 Chlordane-3

R.T.: 5.119 min
Delta R.T.: -0.003 min
Response: 93988693
Conc: 32.56 ng/ml



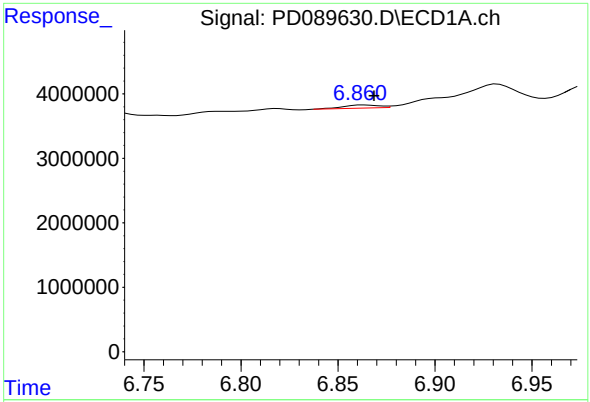
#26 Chlordane-4

R.T.: 6.027 min
Delta R.T.: -0.002 min
Response: 13942933
Conc: 14.69 ng/ml



#26 Chlordane-4

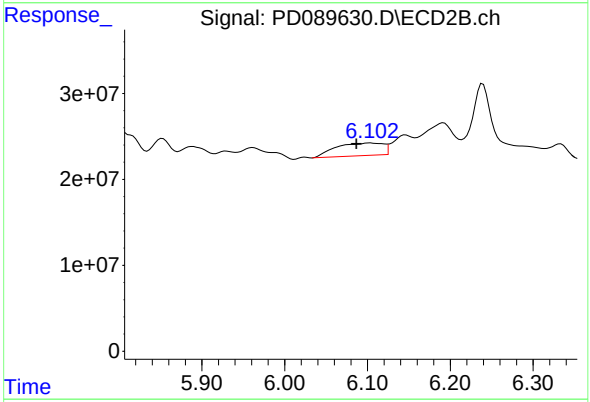
R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 82264416
Conc: 34.10 ng/ml



#27 Chlordane-5

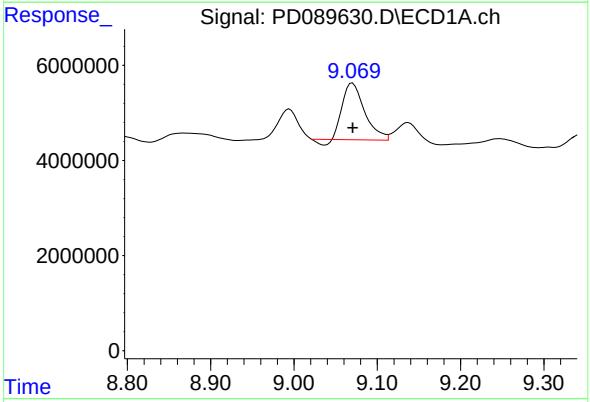
R.T.: 6.863 min
Delta R.T.: -0.005 min
Response: 636800
Conc: 3.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-43-071725RE



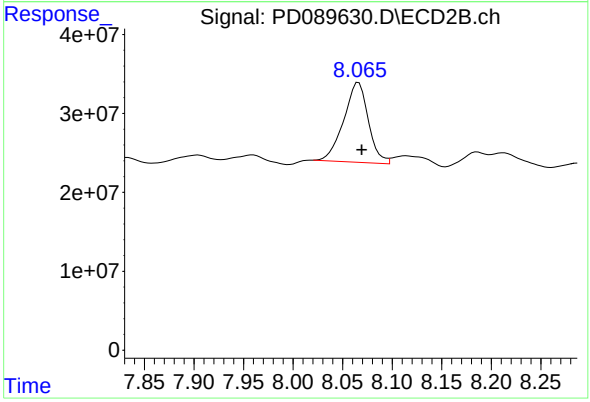
#27 Chlordane-5

R.T.: 6.104 min
Delta R.T.: 0.017 min
Response: 58524679
Conc: 50.09 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 21408754
Conc: 5.21 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.003 min
Response: 174776637
Conc: 7.11 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072525\
Data File : PD089631.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 18:12
Operator : AR\AJ
Sample : Q2639-13RE
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:34:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachlo...	3.548	2.879	30414515	209.8E6	10.556	10.721	
28)	SA Decachlor...	9.069	8.067	25140560	162.6E6	6.121	6.619	
	Target Compounds							
2)	A alpha-BHC	0.000	3.386	0	2609862	N.D.	0.087	#
3)	MA gamma-BHC...	4.355f	3.743f	139209	17981805	0.025	0.648	#
4)	MA Heptachlor	4.952f	4.077	4668139	28840350	0.856	1.029	
5)	MB Aldrin	0.000	4.366	0	741342	N.D.	0.027	#
6)	B beta-BHC	4.533f	0.000	113977	0	0.053	N.D.	#
7)	B delta-BHC	4.776	4.267	1955794	2628729	0.370	0.094	#
8)	B Heptachlo...	5.674f	4.867	1044461	2782523	0.221	0.112	#
9)	A Endosulfan I	0.000	5.245	0	3278895	N.D.	0.138	#
10)	B gamma-Chl...	5.943	5.122	5457748	28258114	1.151	1.056	
11)	B alpha-Chl...	6.026	5.186	10391595	45063780	2.180	1.747	
12)	B 4,4'-DDE	6.193	5.372	4645710	27345338	1.082	1.041	
13)	MA Dieldrin	0.000	5.507	0	12192658	N.D.	0.461	#
14)	MA Endrin	6.573	5.791	901925	7295112	0.221	0.302	#
16)	A 4,4'-DDD	6.682f	0.000	2665172	0	0.786	N.D.	#
17)	MA 4,4'-DDT	6.996f	6.176	4130484	61028009	1.095	2.607	#
19)	B Endosulfa...	7.155	6.478	109427	13215056	0.029	0.595	#
21)	B Endrin ke...	7.619	0.000	221736	0	0.055	N.D.	#
22)	Mirex	8.116	7.169	-983936	30141511	N.D.	1.559	
23)	Chlordane-1	4.712	3.902	2248135	42535613	11.488	45.803	#
24)	Chlordane-2	5.236	4.486	3659325	11894861	18.198	12.134	#
25)	Chlordane-3	5.943	5.122	5457748	28258114	7.004	9.788	#
26)	Chlordane-4	6.026	5.186	10391595	45063780	10.947	18.682	#
27)	Chlordane-5	6.875	0.000	446469	0	2.707	N.D.	#

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

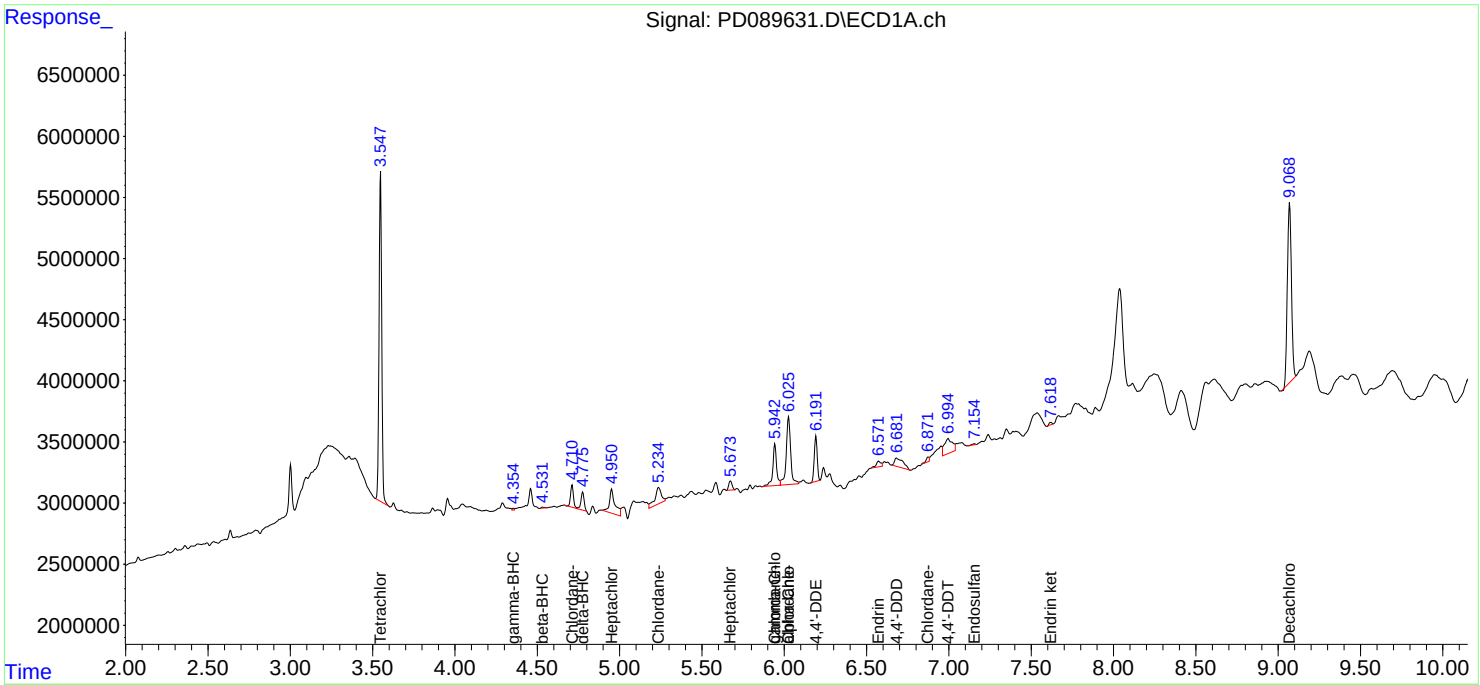
Quantitation Report (Not Reviewed)

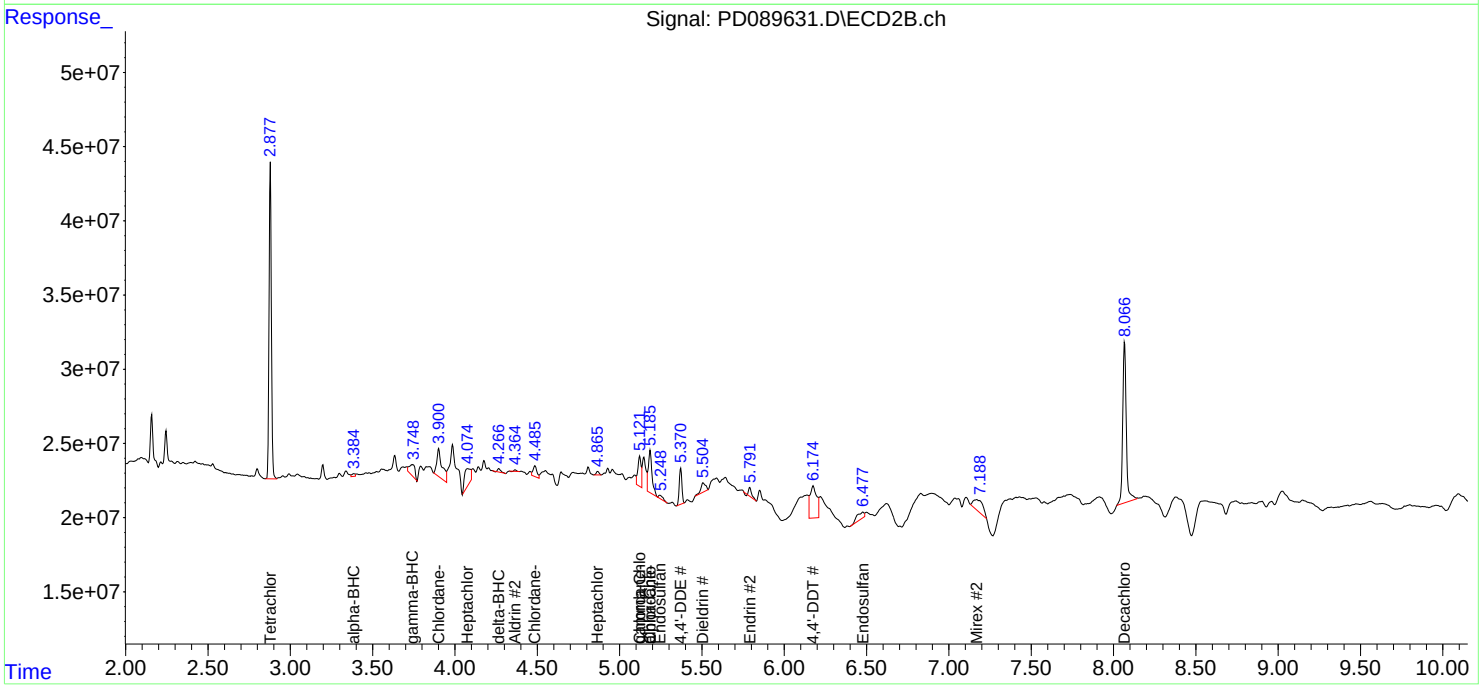
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD072525\
Data File : PD089631.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 18:12
Operator : AR\AJ
Sample : Q2639-13RE
Misc :
ALS Vial : 9 Sample Multiplier: 1

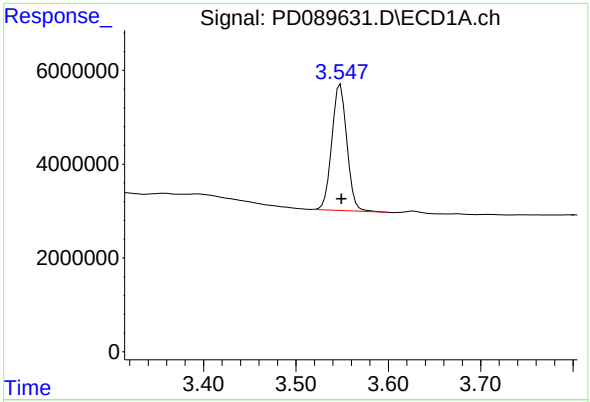
Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725RE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 24 23:34:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD072125.M
Quant Title : GC Extractables
QLast Update : Tue Jul 22 04:39:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



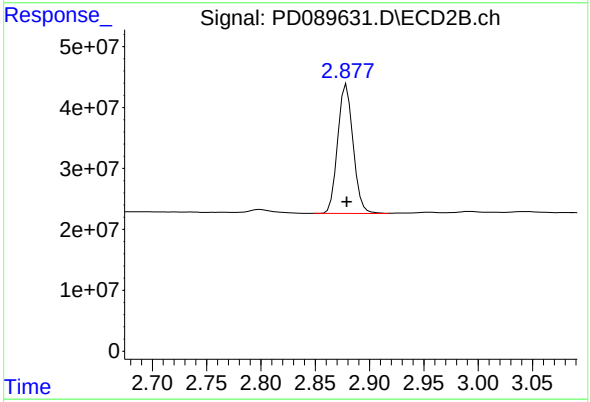




#1 Tetrachloro-m-xylene

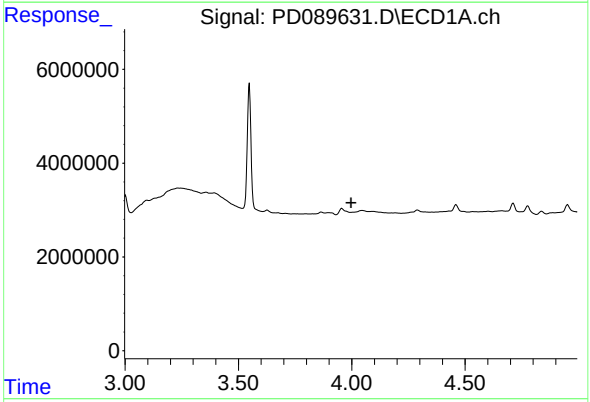
R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 30414515
Conc: 10.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725RE



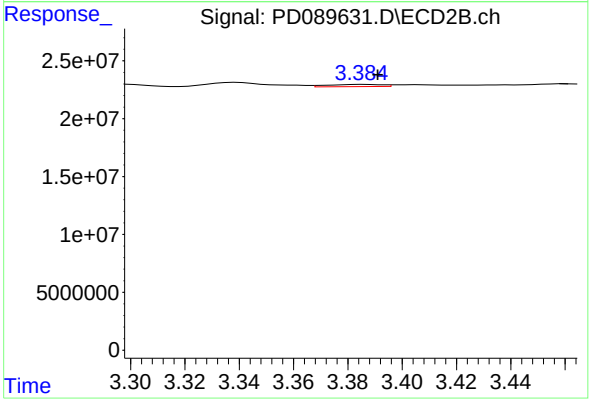
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: 0.000 min
Response: 209760116
Conc: 10.72 ng/ml



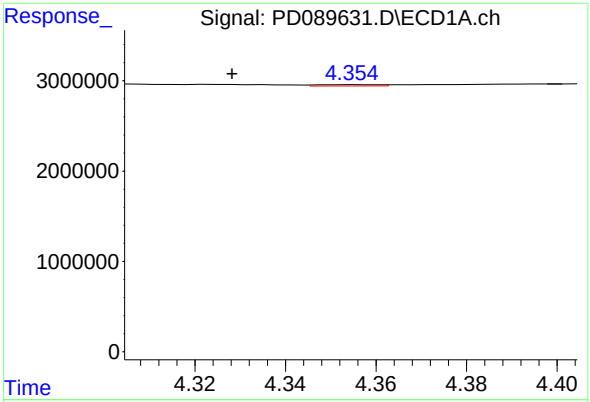
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.997 min
Response: 0
Conc: N.D.



#2 alpha-BHC

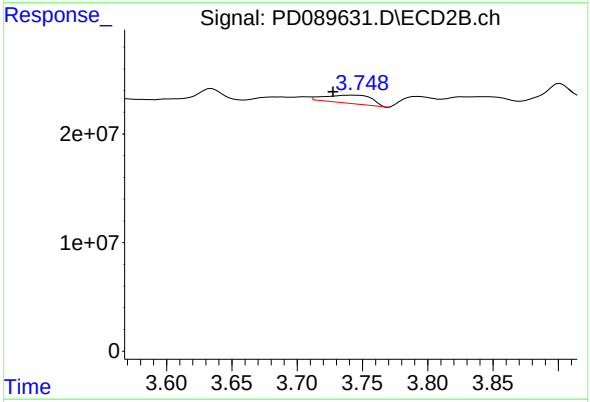
R.T.: 3.386 min
Delta R.T.: -0.005 min
Response: 2609862
Conc: 0.09 ng/ml



#3 gamma-BHC (Lindane)

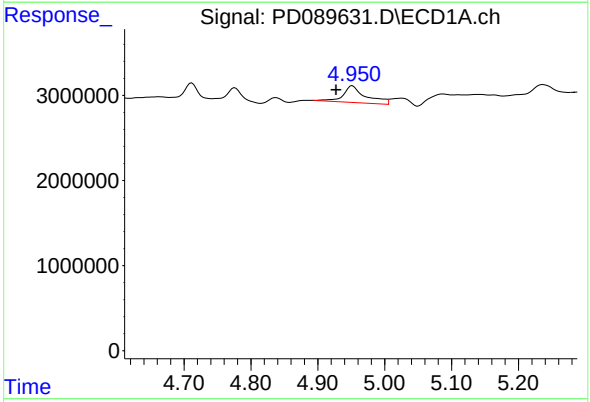
R.T.: 4.355 min
Delta R.T.: 0.027 min
Response: 139209
Conc: 0.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725RE



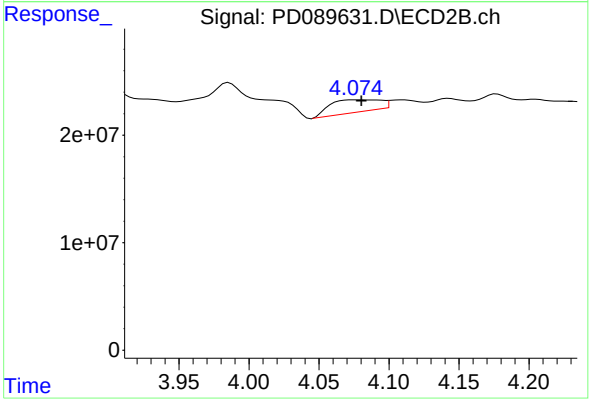
#3 gamma-BHC (Lindane)

R.T.: 3.743 min
Delta R.T.: 0.015 min
Response: 17981805
Conc: 0.65 ng/ml



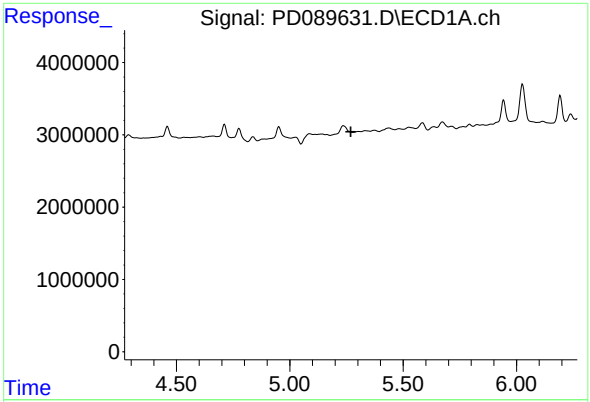
#4 Heptachlor

R.T.: 4.952 min
Delta R.T.: 0.025 min
Response: 4668139
Conc: 0.86 ng/ml



#4 Heptachlor

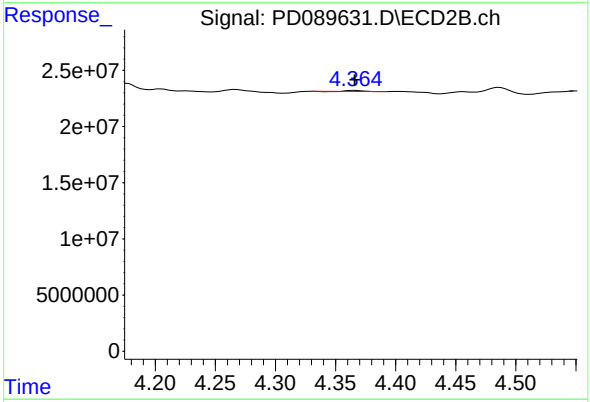
R.T.: 4.077 min
Delta R.T.: -0.003 min
Response: 28840350
Conc: 1.03 ng/ml



#5 Aldrin

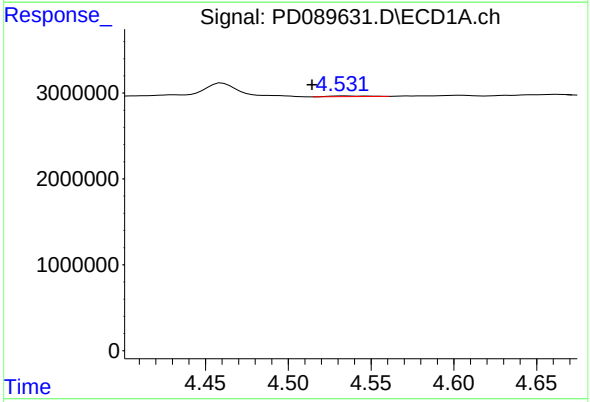
R.T.: 0.000 min
Exp R.T. : 5.269 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725RE



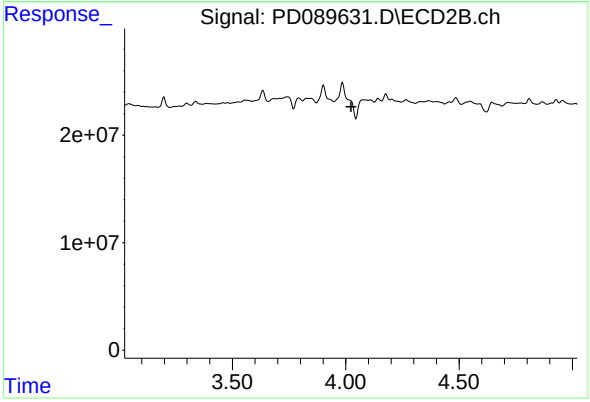
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: 0.000 min
Response: 741342
Conc: 0.03 ng/ml



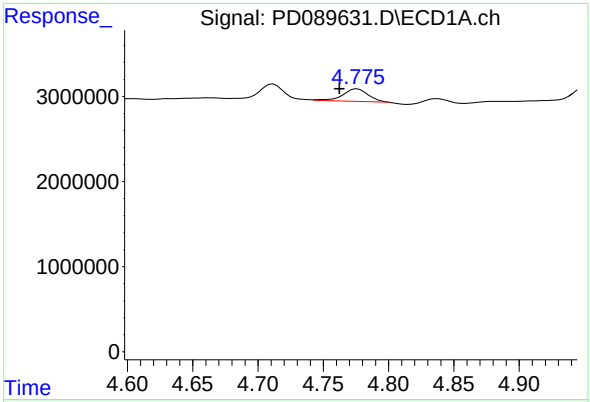
#6 beta-BHC

R.T.: 4.533 min
Delta R.T.: 0.019 min
Response: 113977
Conc: 0.05 ng/ml



#6 beta-BHC

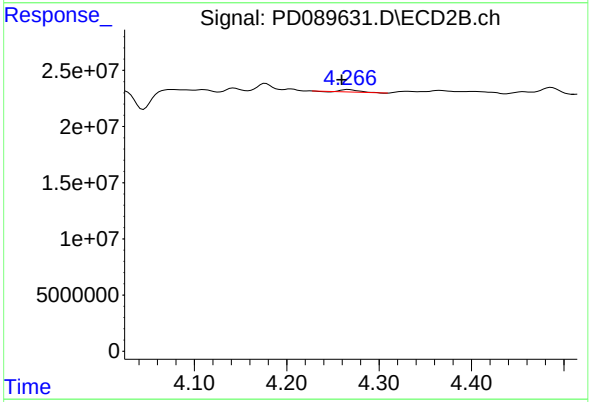
R.T.: 0.000 min
Exp R.T. : 4.023 min
Response: 0
Conc: N.D.



#7 delta-BHC

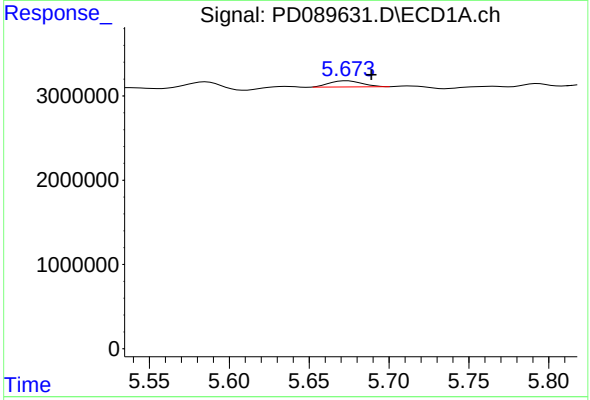
R.T.: 4.776 min
Delta R.T.: 0.014 min
Response: 1955794
Conc: 0.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725RE



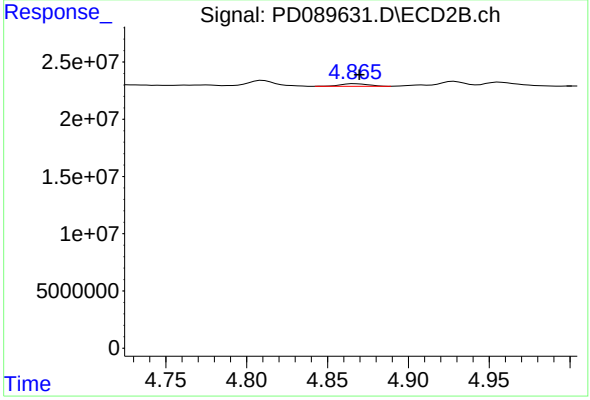
#7 delta-BHC

R.T.: 4.267 min
Delta R.T.: 0.008 min
Response: 2628729
Conc: 0.09 ng/ml



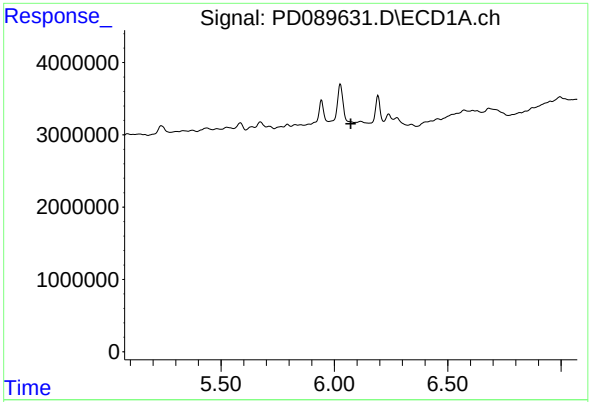
#8 Heptachlor epoxide

R.T.: 5.674 min
Delta R.T.: -0.015 min
Response: 1044461
Conc: 0.22 ng/ml



#8 Heptachlor epoxide

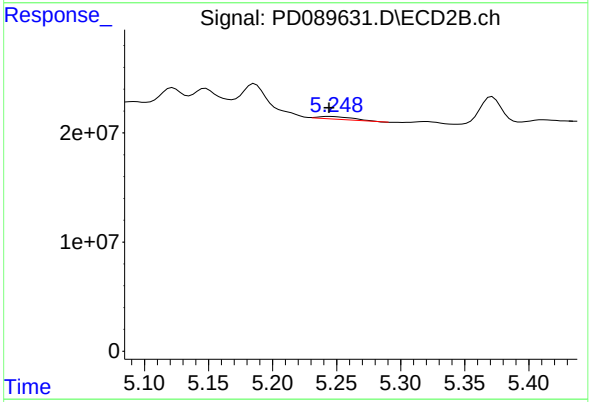
R.T.: 4.867 min
Delta R.T.: -0.003 min
Response: 2782523
Conc: 0.11 ng/ml



#9 Endosulfan I

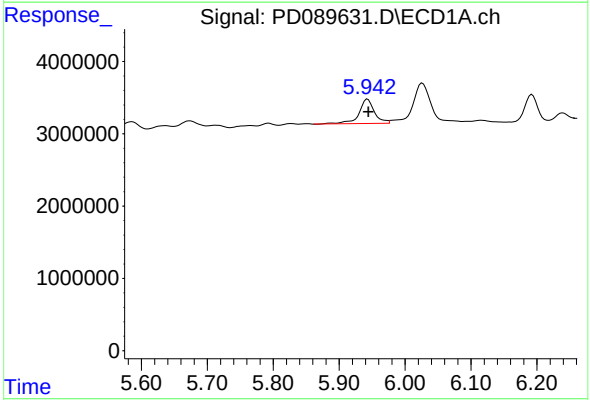
R.T.: 0.000 min
Exp R.T. : 6.073 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725RE



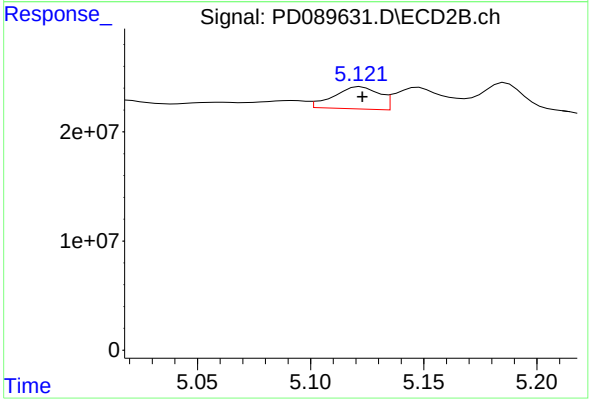
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: 0.000 min
Response: 3278895
Conc: 0.14 ng/ml



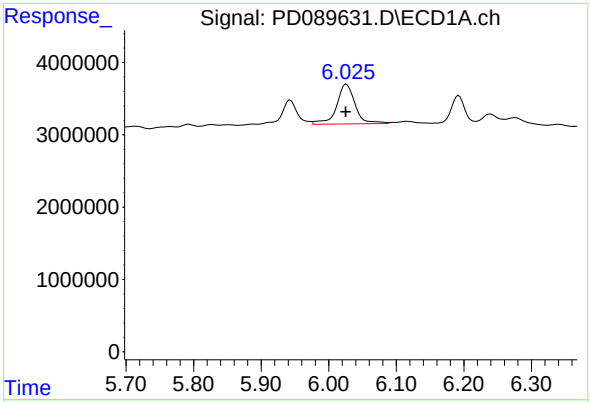
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: -0.001 min
Response: 5457748
Conc: 1.15 ng/ml



#10 gamma-Chlordane

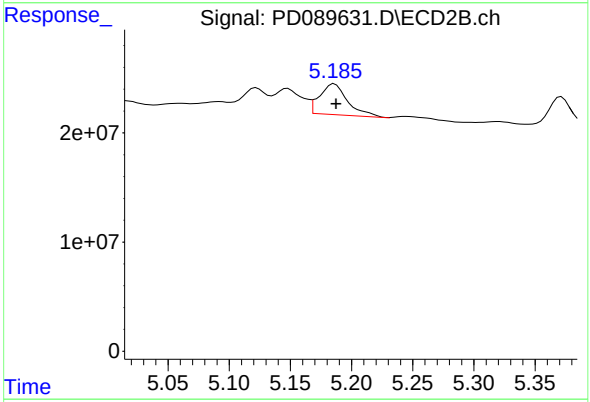
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 28258114
Conc: 1.06 ng/ml



#11 alpha-Chlordane

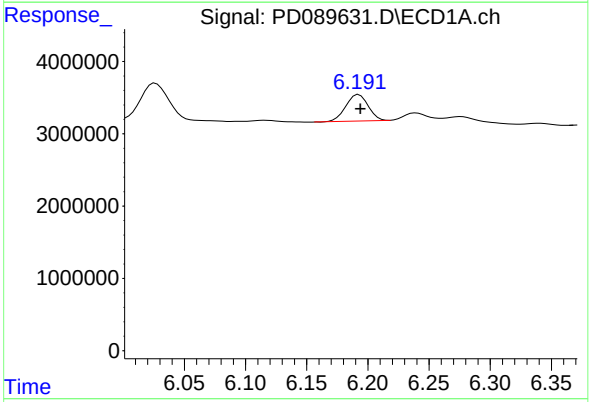
R.T.: 6.026 min
Delta R.T.: 0.001 min
Response: 10391595
Conc: 2.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725RE



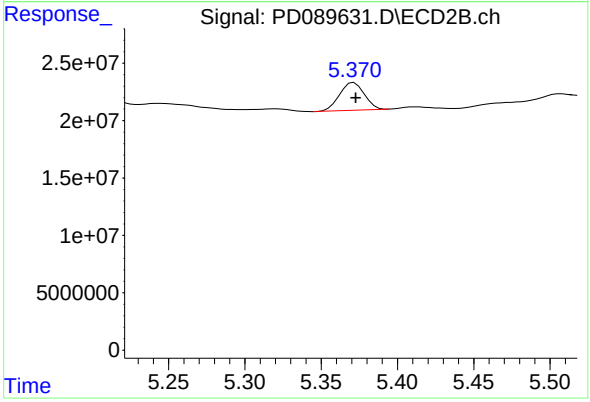
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: -0.001 min
Response: 45063780
Conc: 1.75 ng/ml



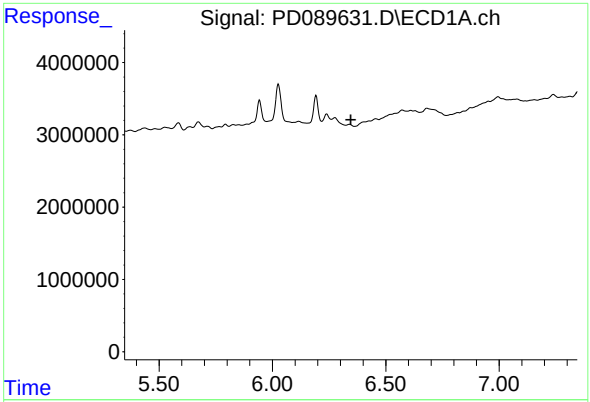
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: -0.001 min
Response: 4645710
Conc: 1.08 ng/ml



#12 4,4'-DDE

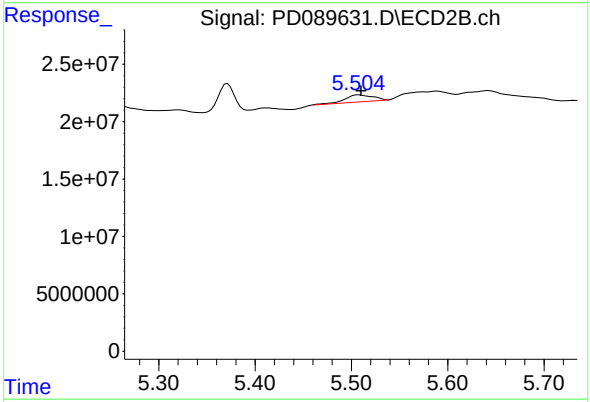
R.T.: 5.372 min
Delta R.T.: -0.001 min
Response: 27345338
Conc: 1.04 ng/ml



#13 Dieldrin

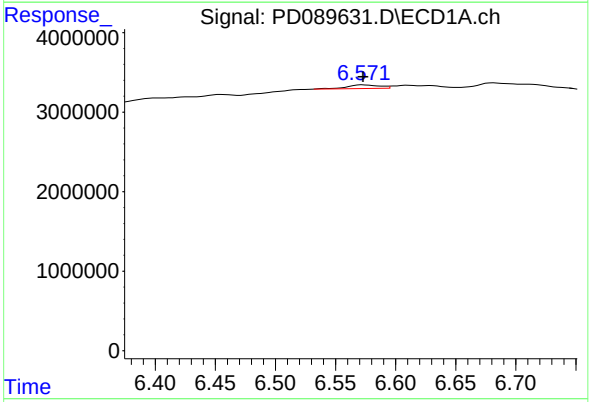
R.T.: 0.000 min
Exp R.T. : 6.345 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725RE



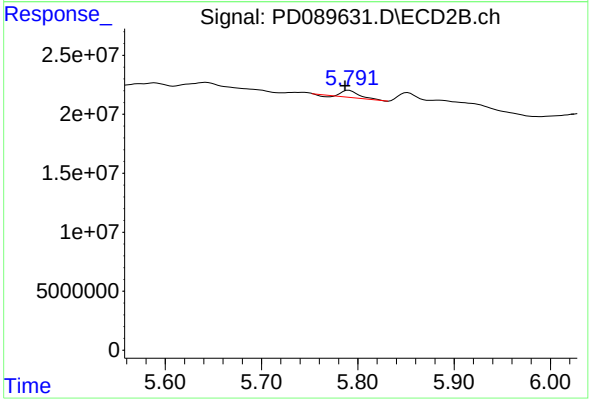
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: -0.002 min
Response: 12192658
Conc: 0.46 ng/ml



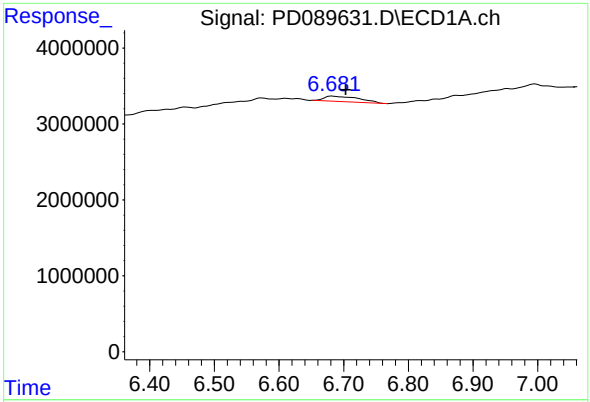
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 901925
Conc: 0.22 ng/ml



#14 Endrin

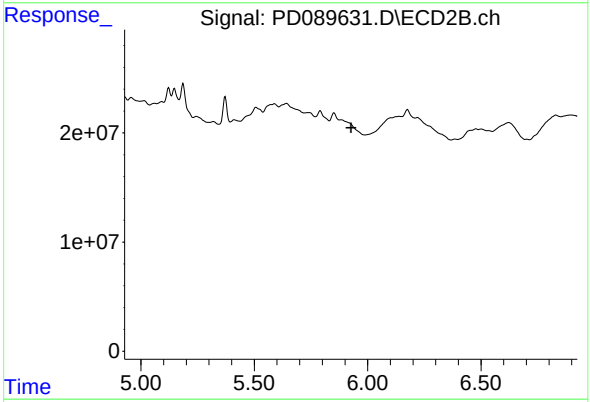
R.T.: 5.791 min
Delta R.T.: 0.004 min
Response: 7295112
Conc: 0.30 ng/ml



#16 4,4'-DDD

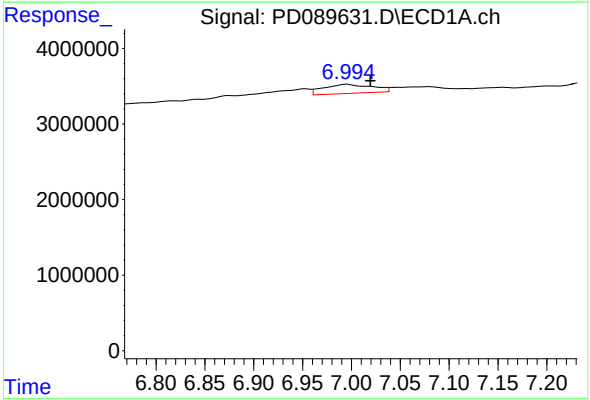
R.T.: 6.682 min
Delta R.T.: -0.021 min
Response: 2665172
Conc: 0.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725RE



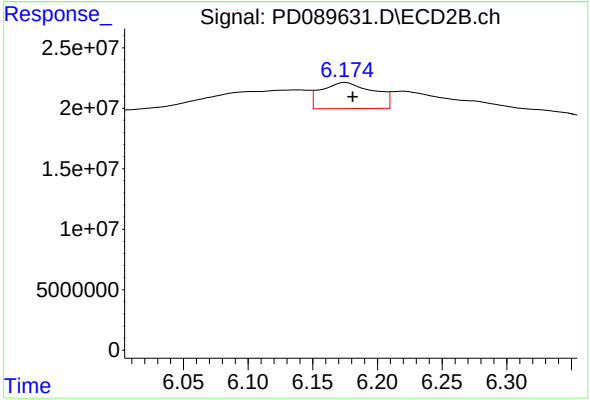
#16 4,4'-DDD

R.T.: 0.000 min
Exp R.T. : 5.927 min
Response: 0
Conc: N.D.



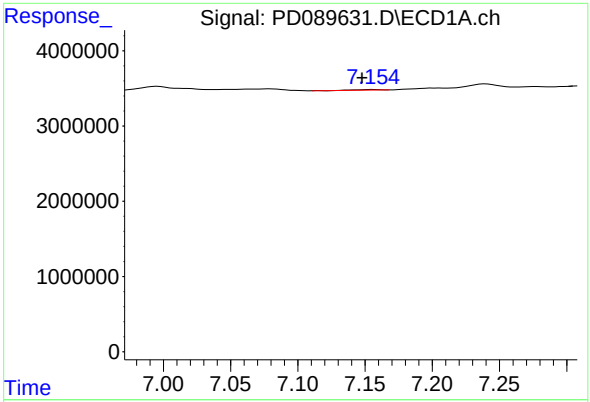
#17 4,4'-DDT

R.T.: 6.996 min
Delta R.T.: -0.024 min
Response: 4130484
Conc: 1.09 ng/ml



#17 4,4'-DDT

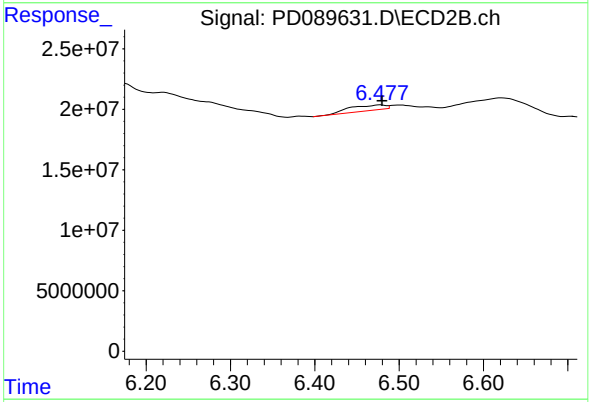
R.T.: 6.176 min
Delta R.T.: -0.005 min
Response: 61028009
Conc: 2.61 ng/ml



#19 Endosulfan Sulfate

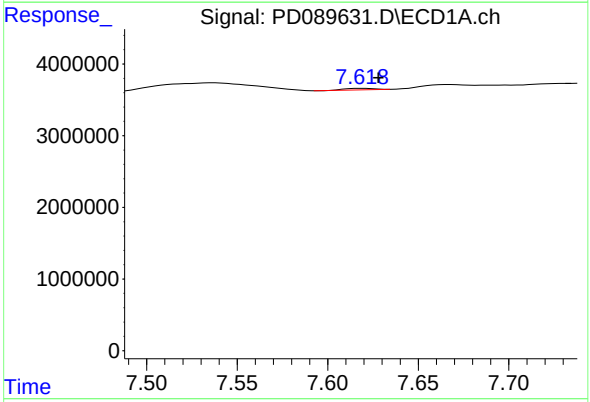
R.T.: 7.155 min
Delta R.T.: 0.008 min
Response: 109427
Conc: 0.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725RE



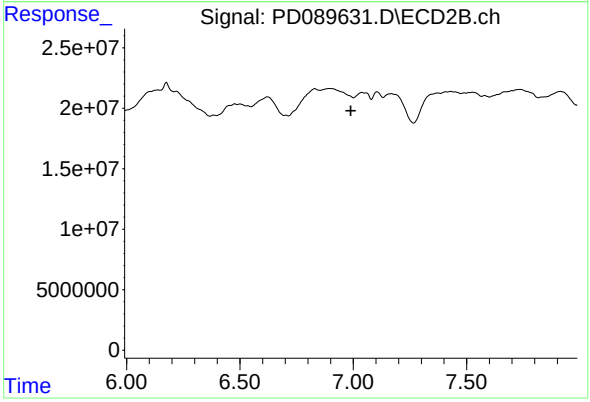
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: -0.002 min
Response: 13215056
Conc: 0.60 ng/ml



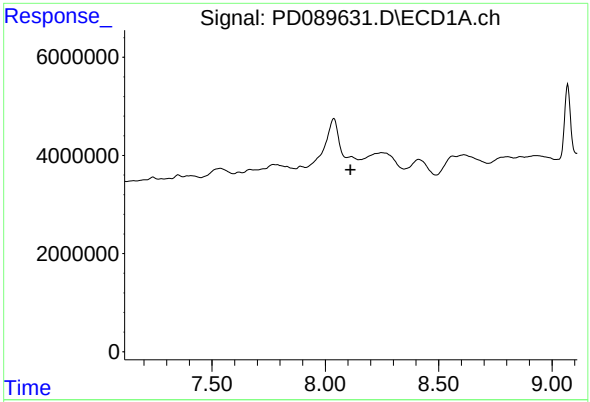
#21 Endrin ketone

R.T.: 7.619 min
Delta R.T.: -0.009 min
Response: 221736
Conc: 0.06 ng/ml



#21 Endrin ketone

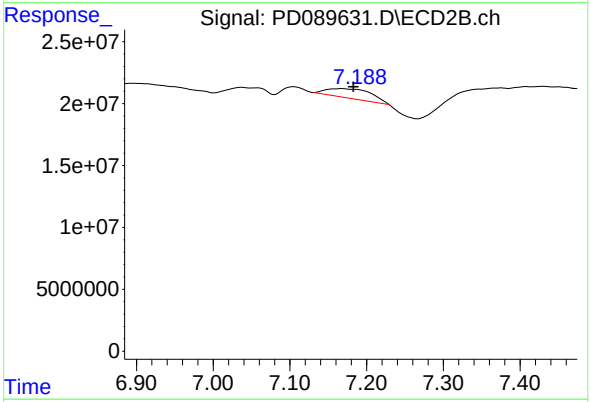
R.T.: 0.000 min
Exp R.T. : 6.989 min
Response: 0
Conc: N.D.



#22 Mirex

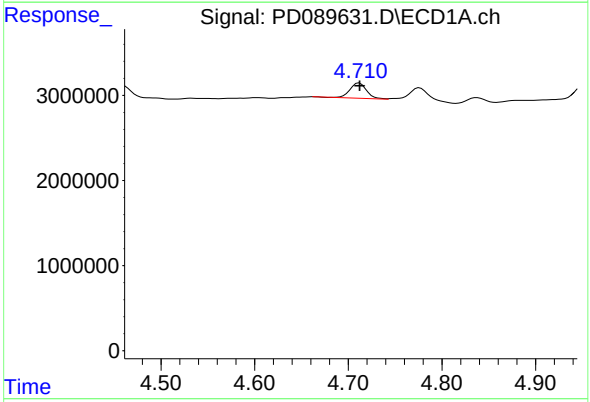
R.T.: 8.116 min
Delta R.T.: 0.004 min
Response: -983936
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725RE



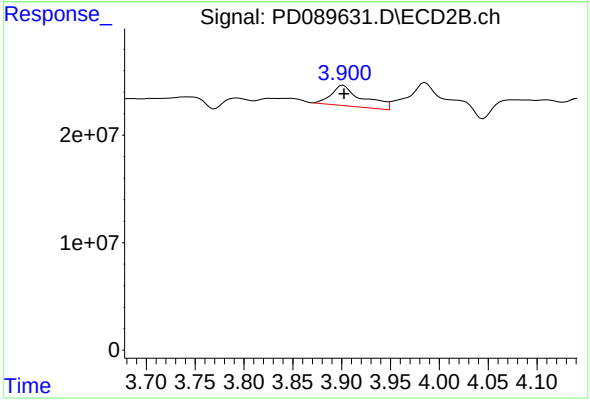
#22 Mirex

R.T.: 7.169 min
Delta R.T.: -0.014 min
Response: 30141511
Conc: 1.56 ng/ml



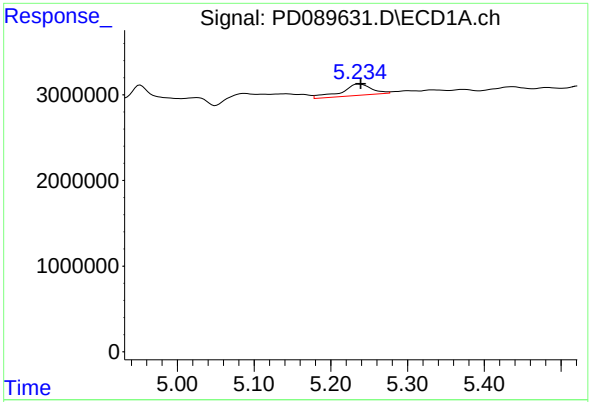
#23 Chlordane-1

R.T.: 4.712 min
Delta R.T.: 0.000 min
Response: 2248135
Conc: 11.49 ng/ml



#23 Chlordane-1

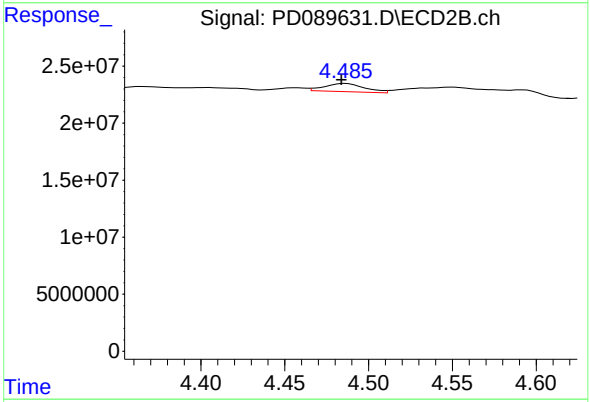
R.T.: 3.902 min
Delta R.T.: 0.000 min
Response: 42535613
Conc: 45.80 ng/ml



#24 Chlordane-2

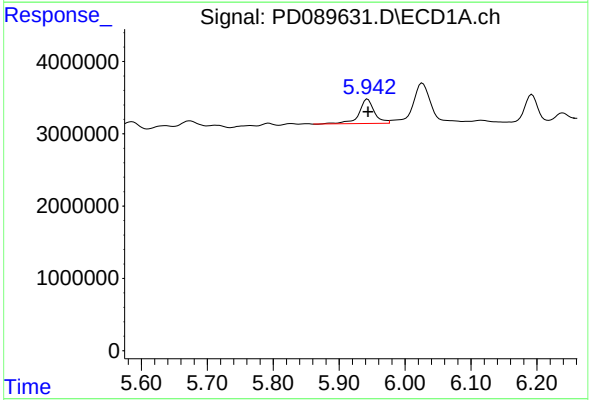
R.T.: 5.236 min
Delta R.T.: -0.002 min
Response: 3659325
Conc: 18.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725RE



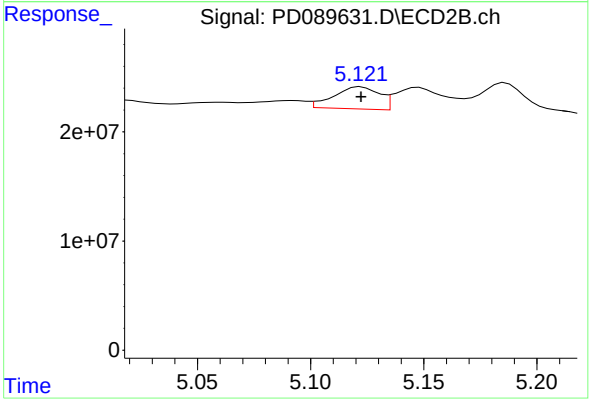
#24 Chlordane-2

R.T.: 4.486 min
Delta R.T.: 0.003 min
Response: 11894861
Conc: 12.13 ng/ml



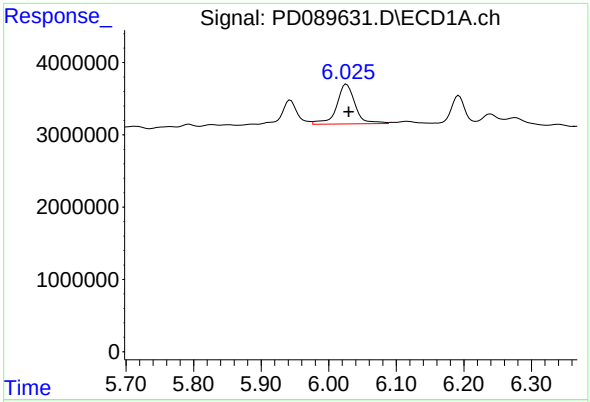
#25 Chlordane-3

R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 5457748
Conc: 7.00 ng/ml



#25 Chlordane-3

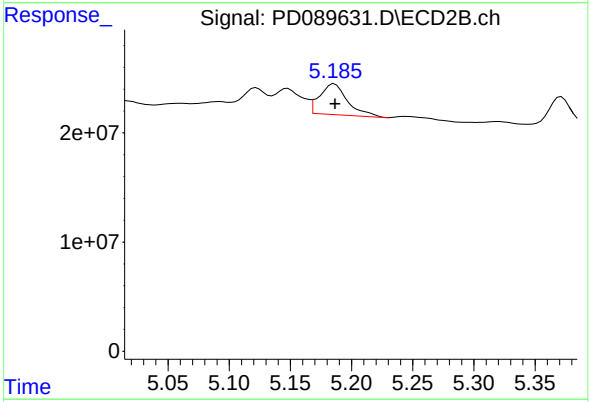
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 28258114
Conc: 9.79 ng/ml



#26 Chlordane-4

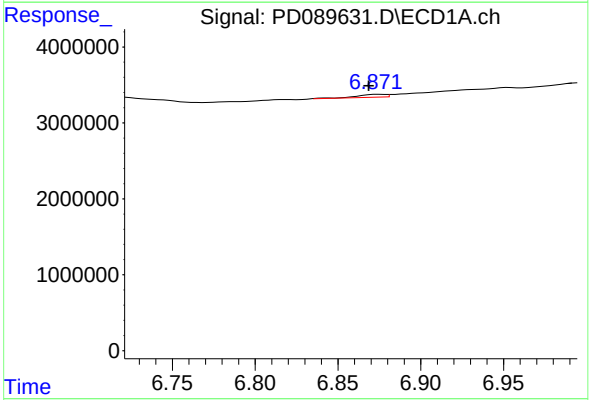
R.T.: 6.026 min
Delta R.T.: -0.003 min
Response: 10391595
Conc: 10.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725RE



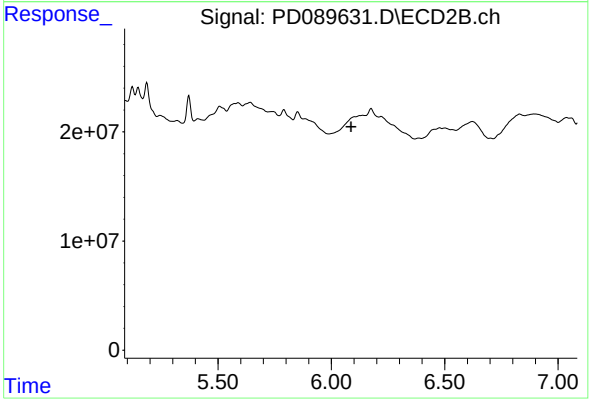
#26 Chlordane-4

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 45063780
Conc: 18.68 ng/ml



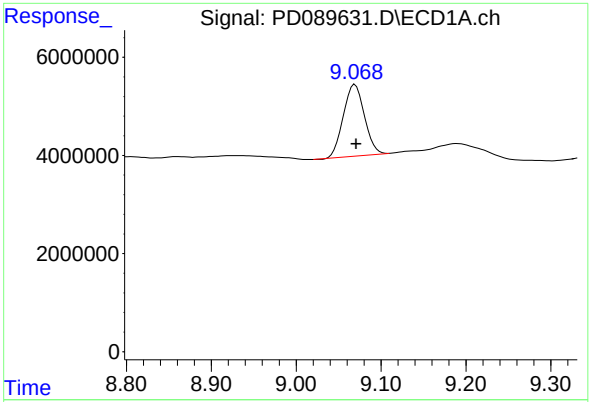
#27 Chlordane-5

R.T.: 6.875 min
Delta R.T.: 0.006 min
Response: 446469
Conc: 2.71 ng/ml



#27 Chlordane-5

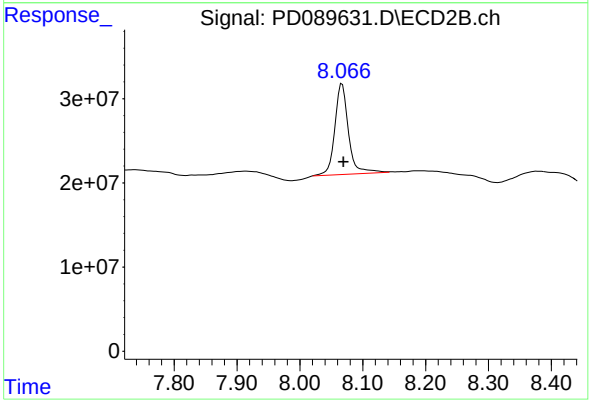
R.T.: 0.000 min
Exp R.T. : 6.087 min
Response: 0
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.001 min
Response: 25140560
Conc: 6.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
OU4-TS-44-071725RE



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.002 min
Response: 162628921
Conc: 6.62 ng/ml

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	#

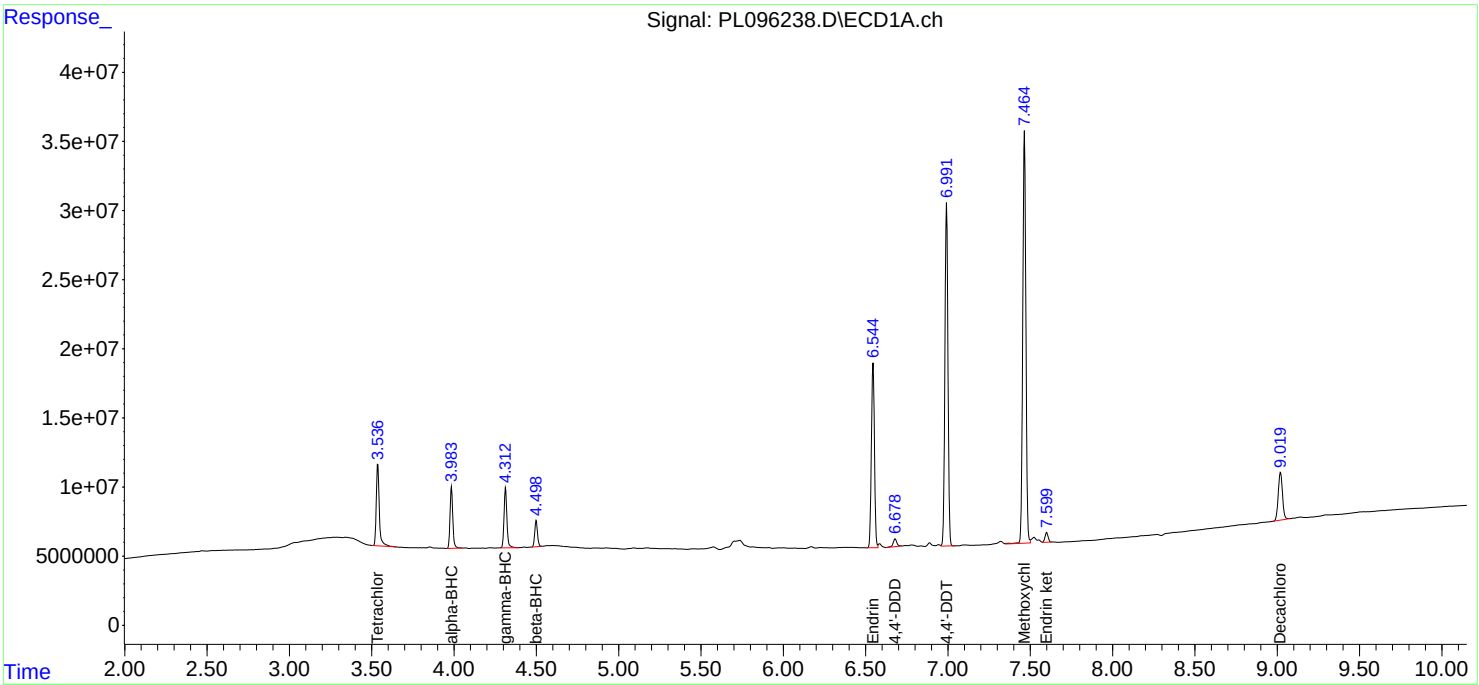
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

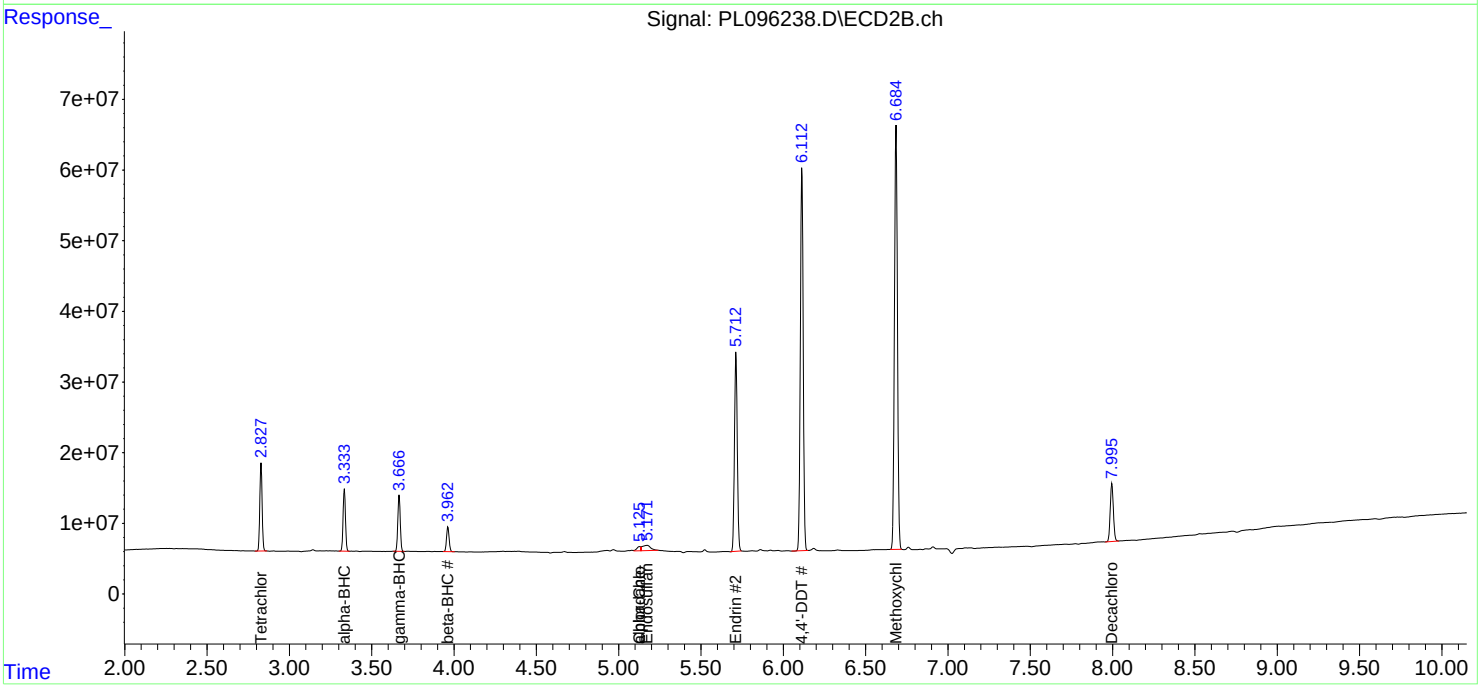
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096238.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:26
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

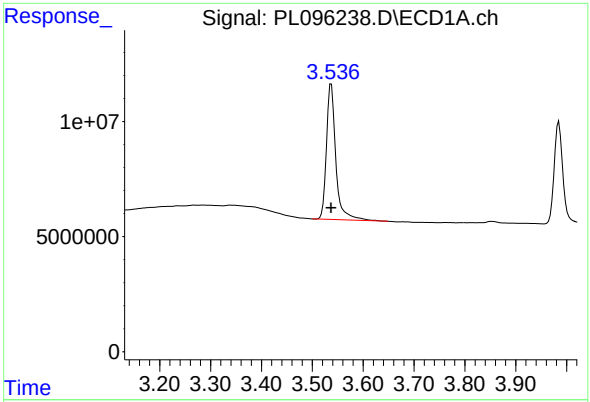
Instrument :
ECD_L
ClientSampleId :
PEM

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



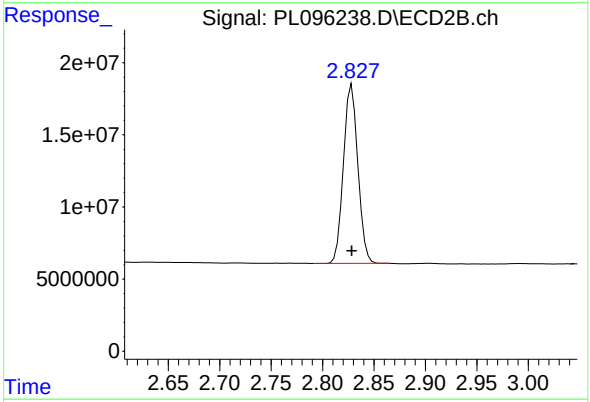




#1 Tetrachloro-m-xylene

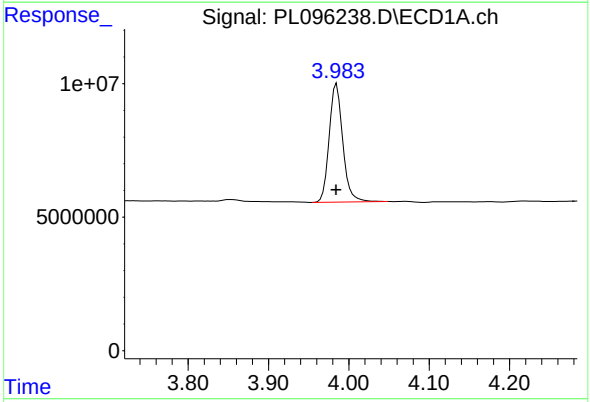
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 75321177
Conc: 20.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



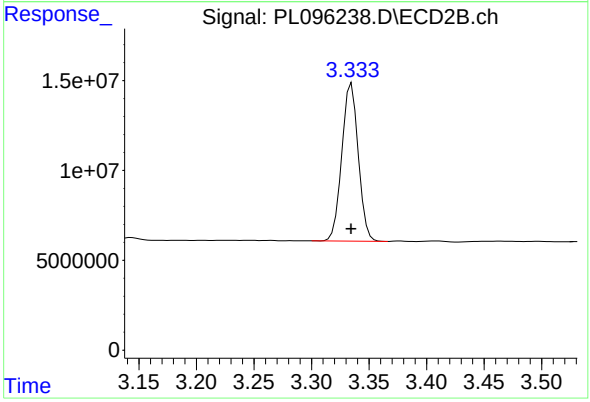
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 121250157
Conc: 21.01 ng/ml



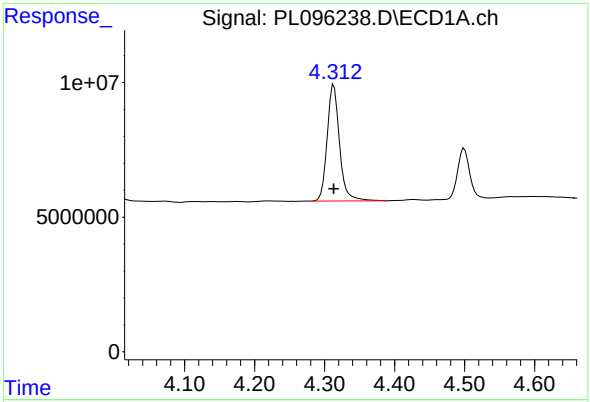
#2 alpha-BHC

R.T.: 3.985 min
Delta R.T.: 0.000 min
Response: 52179910
Conc: 10.15 ng/ml



#2 alpha-BHC

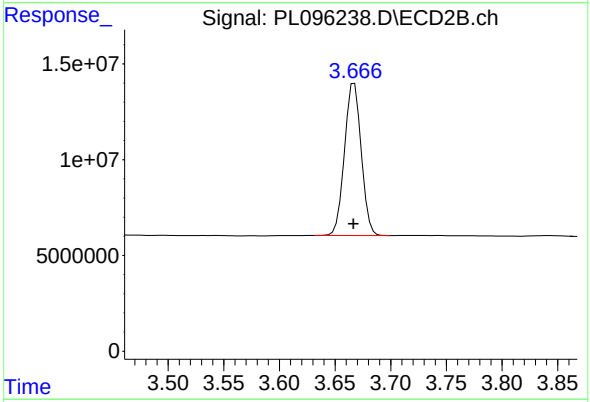
R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 87832663
Conc: 10.41 ng/ml



#3 gamma-BHC (Lindane)

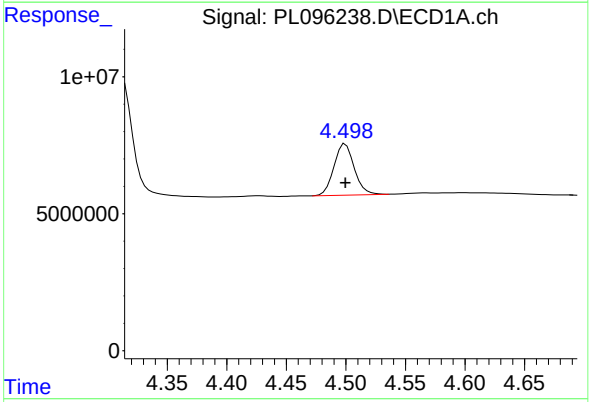
R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 52975484
Conc: 10.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



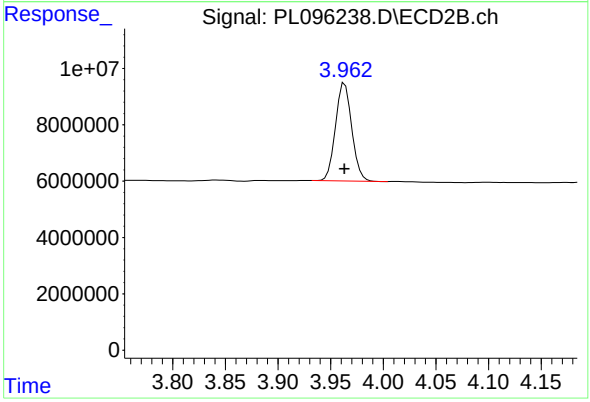
#3 gamma-BHC (Lindane)

R.T.: 3.667 min
Delta R.T.: 0.000 min
Response: 83194325
Conc: 10.56 ng/ml



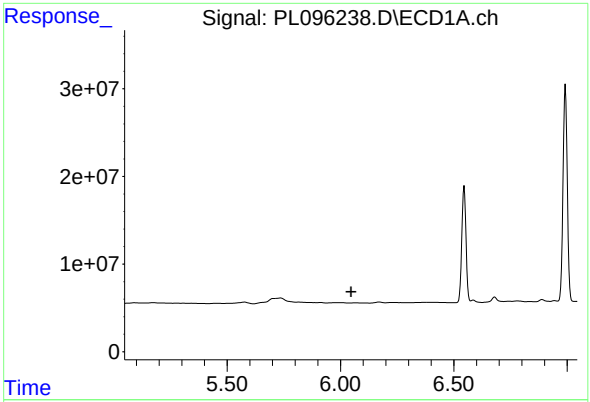
#6 beta-BHC

R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 22129275
Conc: 10.65 ng/ml



#6 beta-BHC

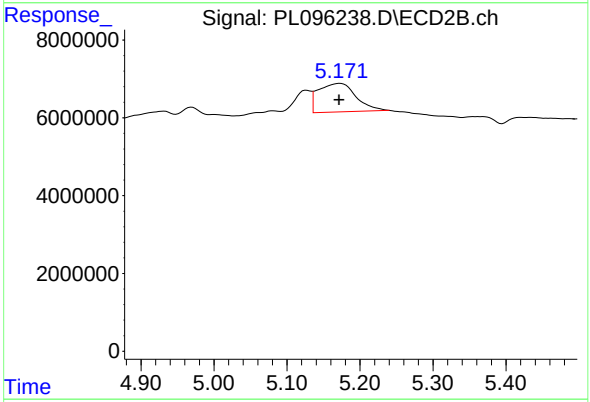
R.T.: 3.963 min
Delta R.T.: 0.000 min
Response: 37541154
Conc: 10.96 ng/ml



#9 Endosulfan I

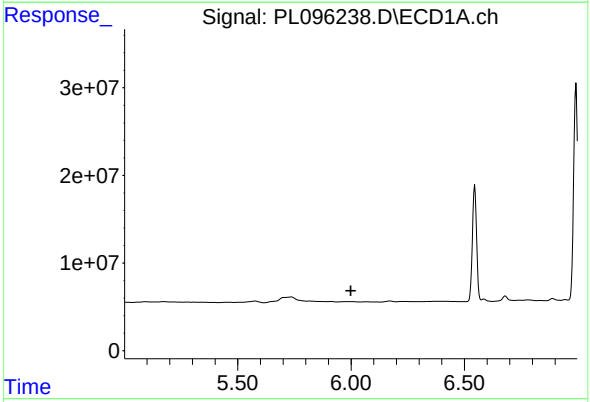
R.T.: 0.000 min
Exp R.T. : 6.047 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



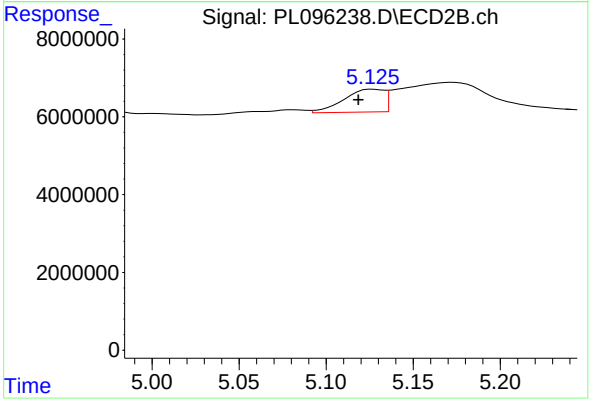
#9 Endosulfan I

R.T.: 5.173 min
Delta R.T.: 0.001 min
Response: 26405397
Conc: 3.68 ng/ml



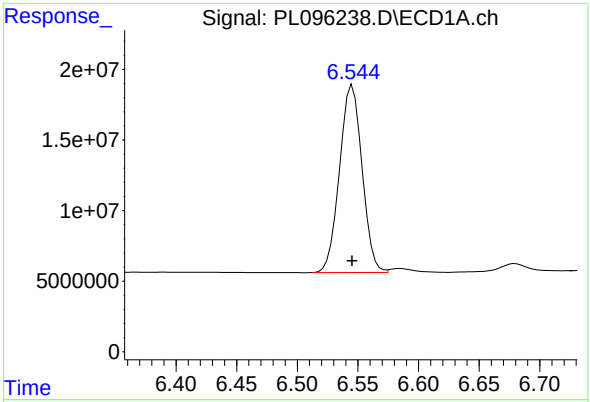
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T. : 6.000 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

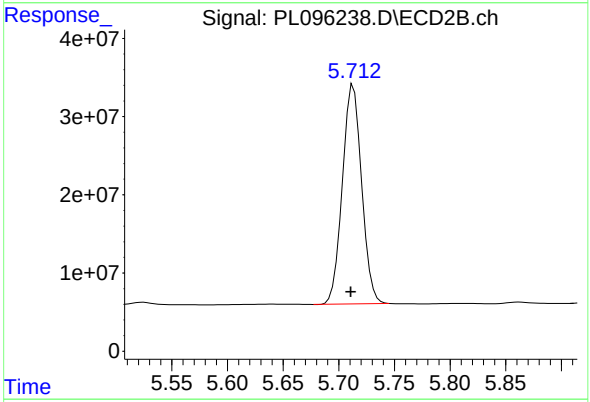
R.T.: 5.127 min
Delta R.T.: 0.008 min
Response: 9372876
Conc: 1.25 ng/ml



#14 Endrin

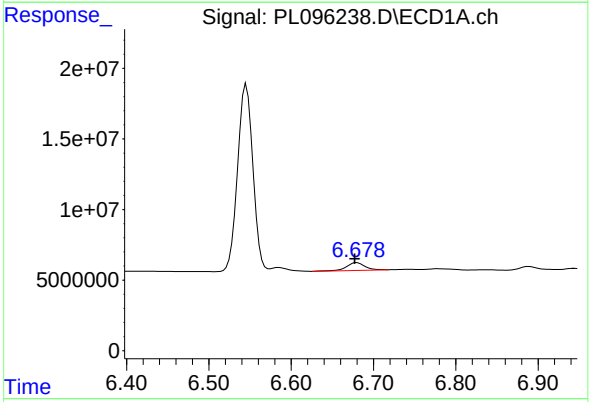
R.T.: 6.546 min
Delta R.T.: 0.000 min
Response: 171686207
Conc: 55.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



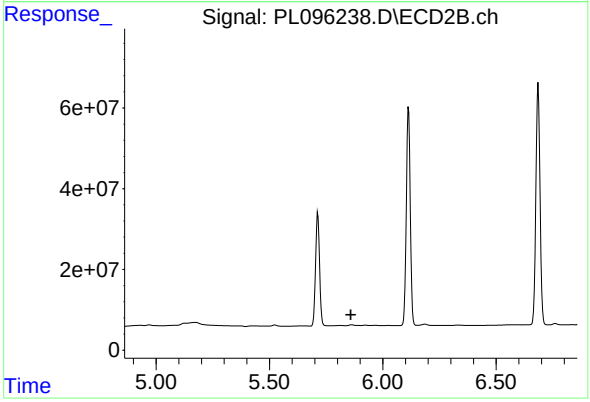
#14 Endrin

R.T.: 5.713 min
Delta R.T.: 0.002 min
Response: 337605121
Conc: 55.38 ng/ml



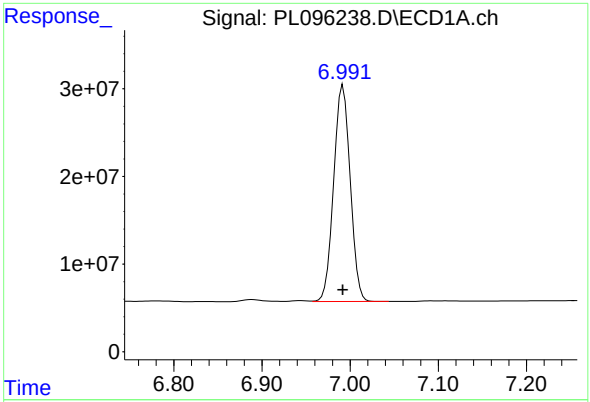
#16 4,4'-DDD

R.T.: 6.680 min
Delta R.T.: 0.003 min
Response: 8488821
Conc: 2.92 ng/ml



#16 4,4'-DDD

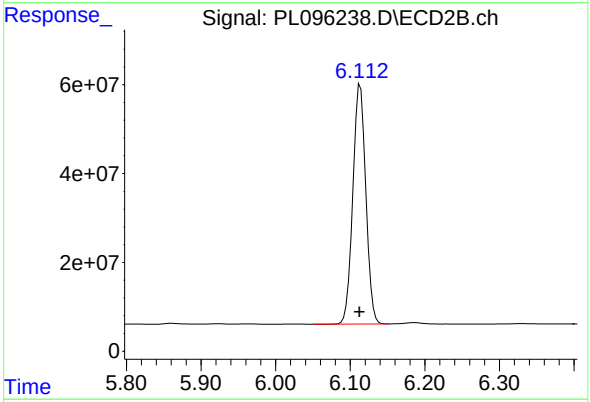
R.T.: 0.000 min
Exp R.T. : 5.859 min
Response: 0
Conc: N.D.



#17 4,4'-DDT

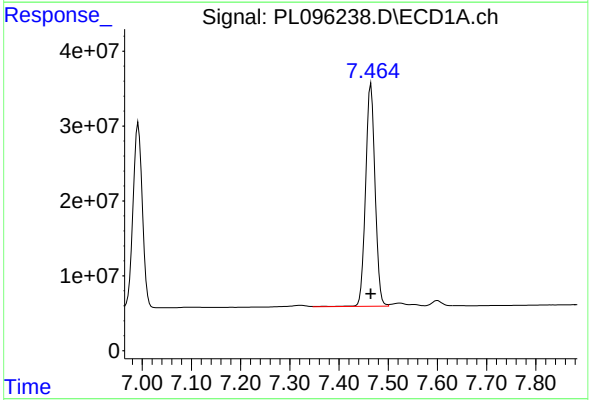
R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 321893056
Conc: 106.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



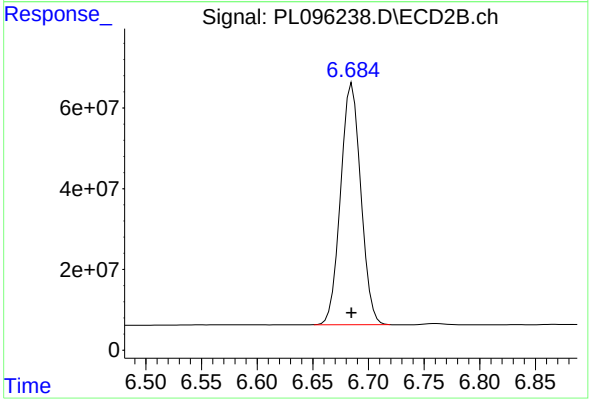
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 652208058
Conc: 113.72 ng/ml



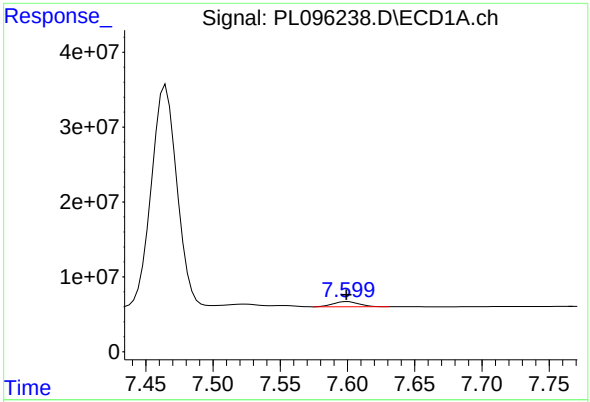
#20 Methoxychlor

R.T.: 7.465 min
Delta R.T.: 0.000 min
Response: 396812893
Conc: 251.88 ng/ml



#20 Methoxychlor

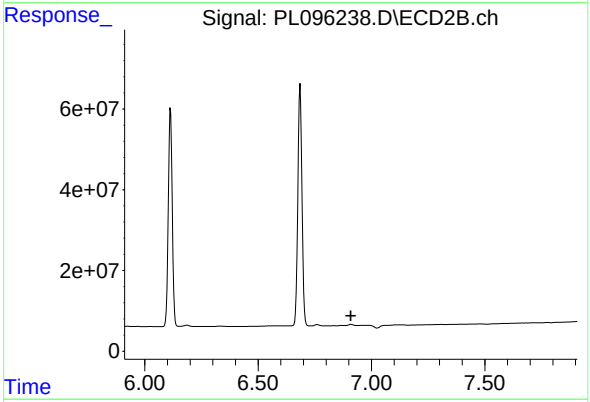
R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 755922283
Conc: 248.84 ng/ml



#21 Endrin ketone

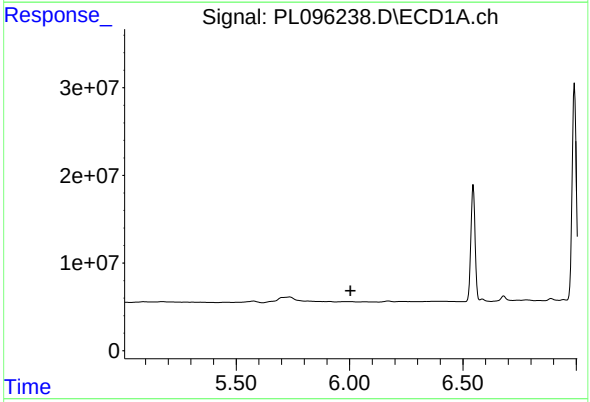
R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 9355435
Conc: 2.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



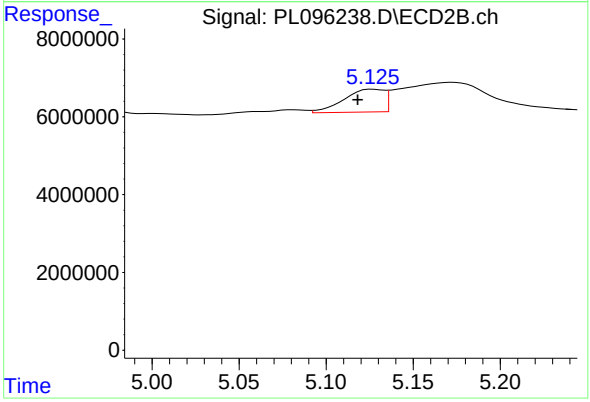
#21 Endrin ketone

R.T.: 0.000 min
Exp R.T. : 6.909 min
Response: 0
Conc: N.D.



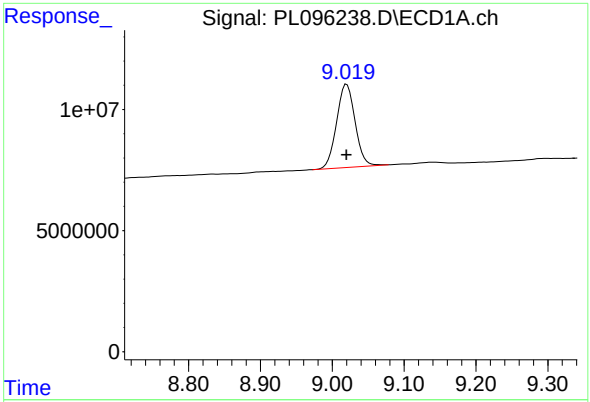
#26 Chlordane-4

R.T.: 0.000 min
Exp R.T. : 6.004 min
Response: 0
Conc: N.D.



#26 Chlordane-4

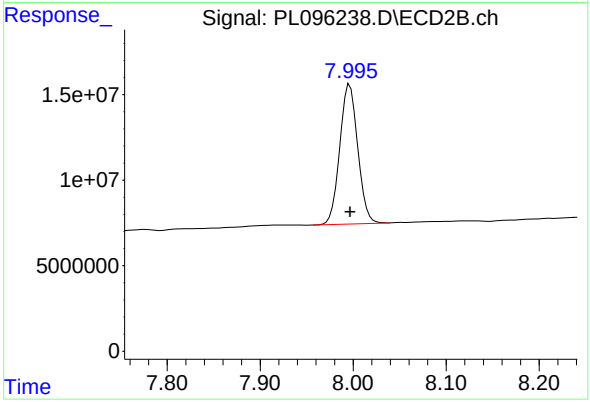
R.T.: 5.127 min
Delta R.T.: 0.009 min
Response: 9372876
Conc: 12.47 ng/ml



#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	#

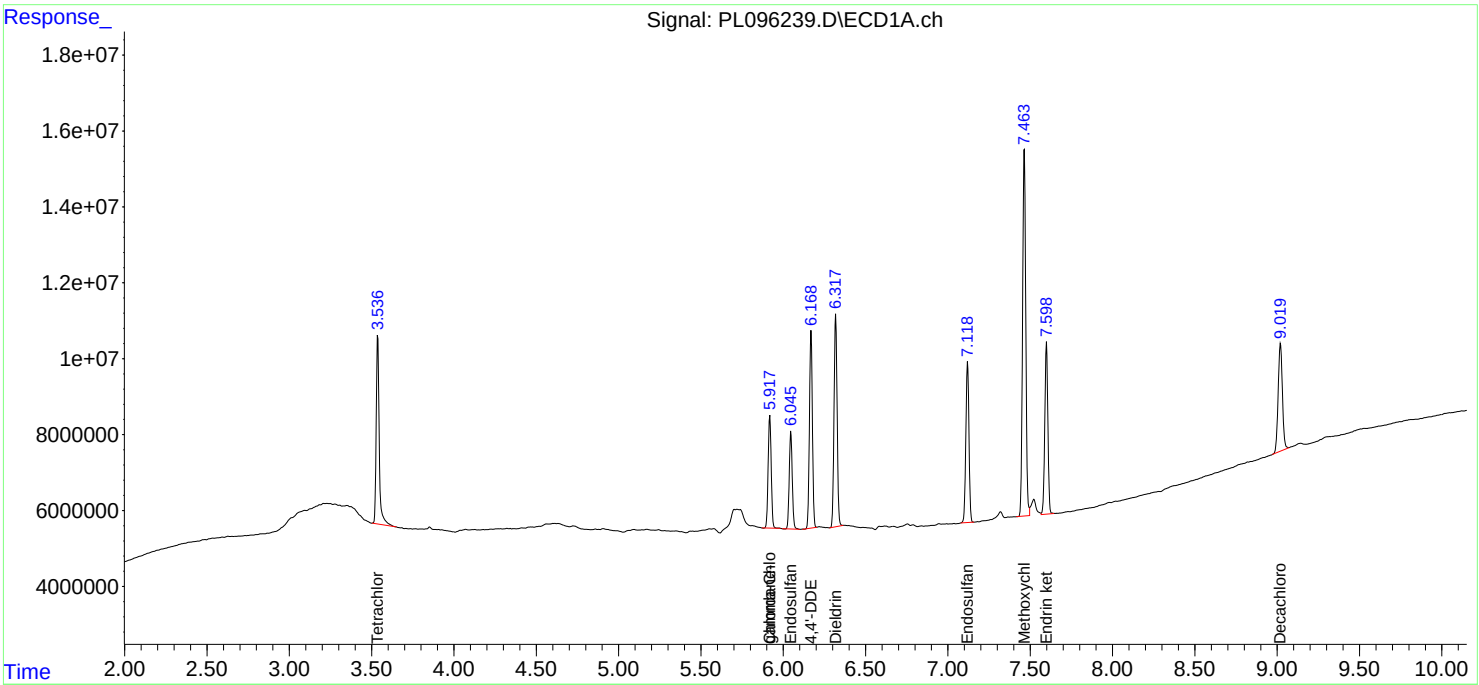
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

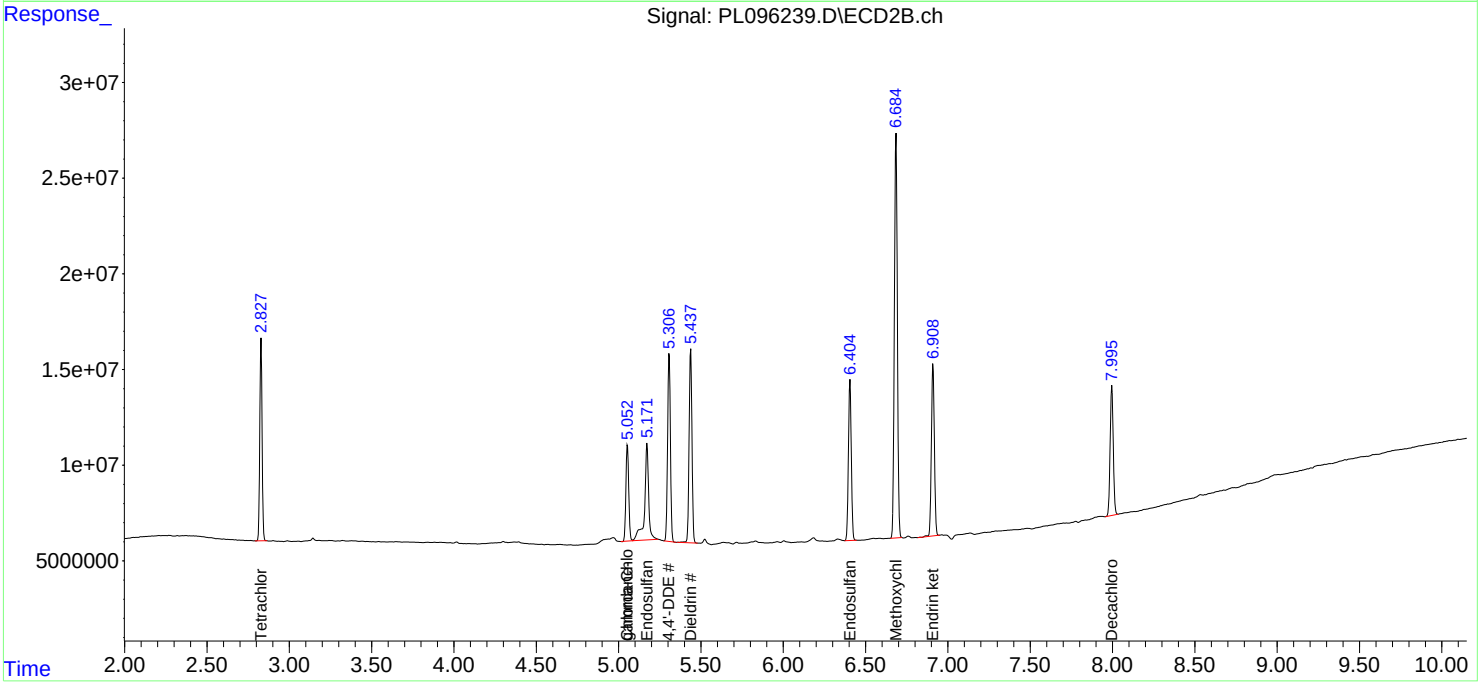
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096239.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:40
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

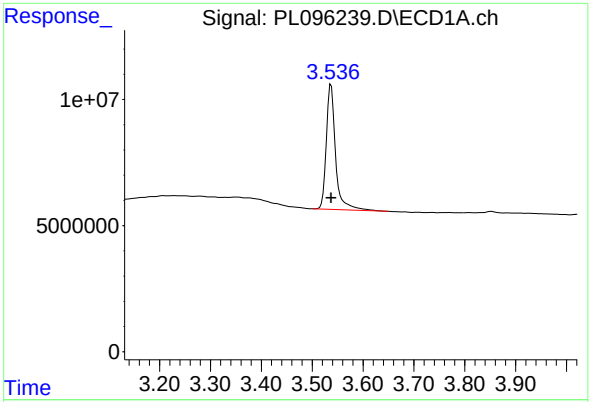
Instrument :
ECD_L
ClientSampleId :
RESCHK

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



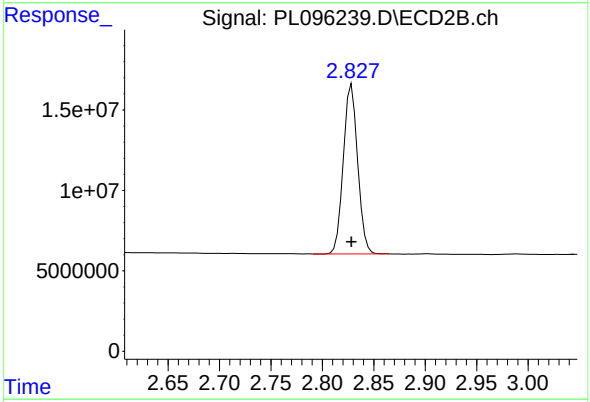




#1 Tetrachloro-m-xylene

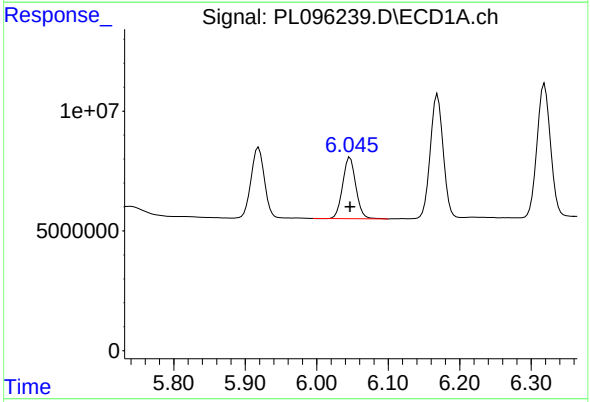
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 62690780
Conc: 17.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



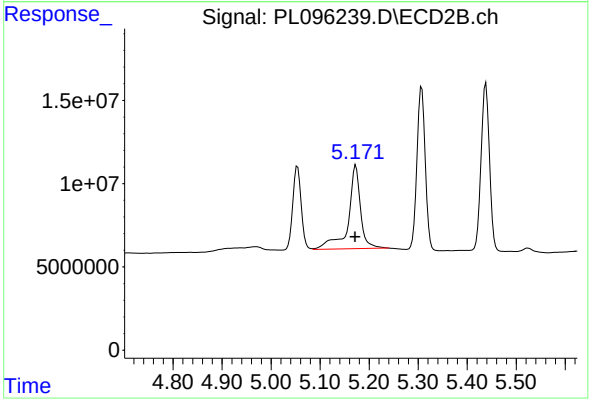
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 102171887
Conc: 17.70 ng/ml



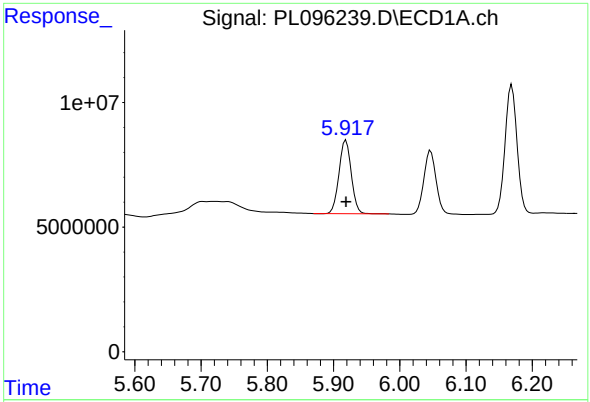
#9 Endosulfan I

R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 32887236
Conc: 8.15 ng/ml



#9 Endosulfan I

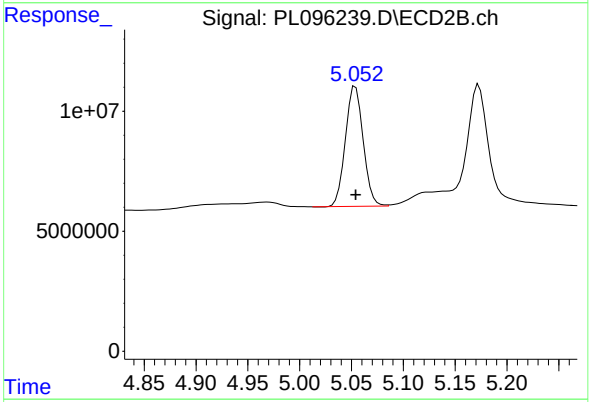
R.T.: 5.173 min
Delta R.T.: 0.001 min
Response: 87249187
Conc: 12.16 ng/ml



#10 gamma-Chlordane

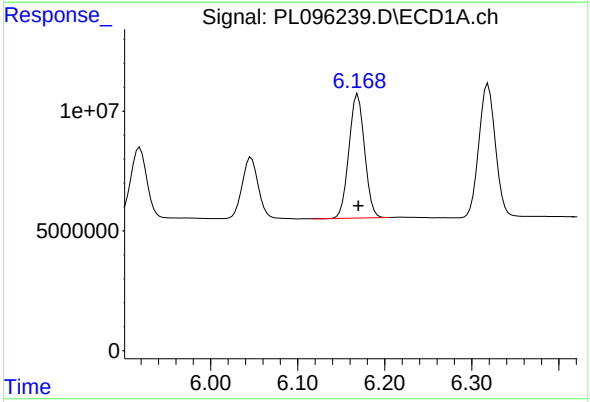
R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 38063125
Conc: 8.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



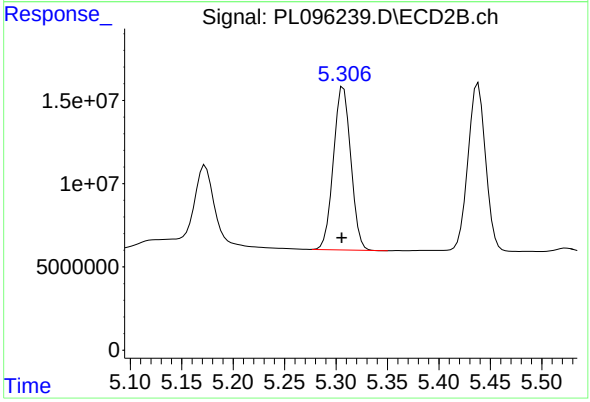
#10 gamma-Chlordane

R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 59640944
Conc: 8.50 ng/ml



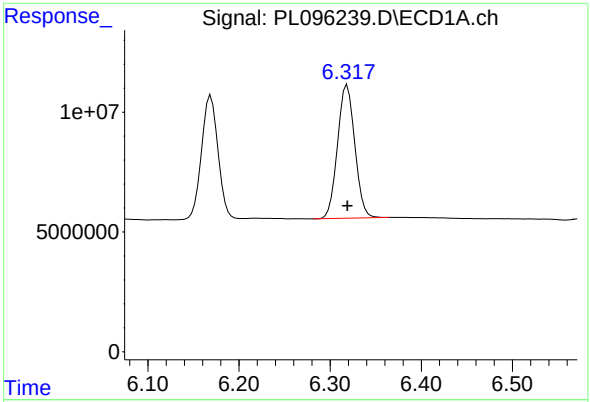
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 64648183
Conc: 17.44 ng/ml



#12 4,4'-DDE

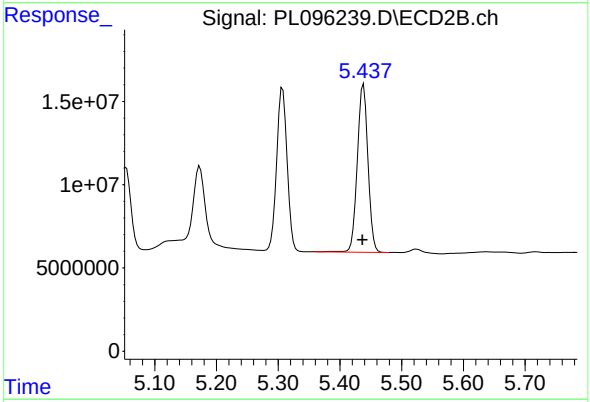
R.T.: 5.307 min
Delta R.T.: 0.002 min
Response: 115114975
Conc: 17.81 ng/ml



#13 Dieldrin

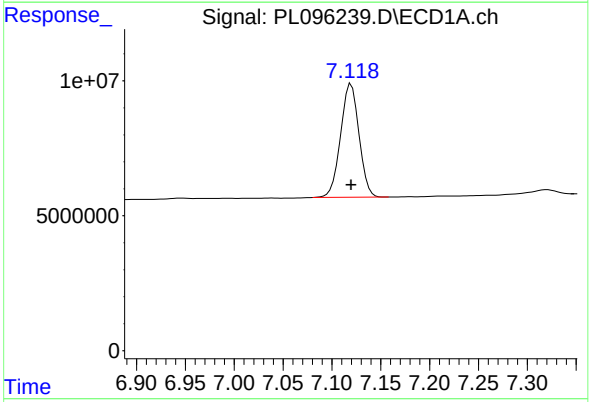
R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 73314501
Conc: 17.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



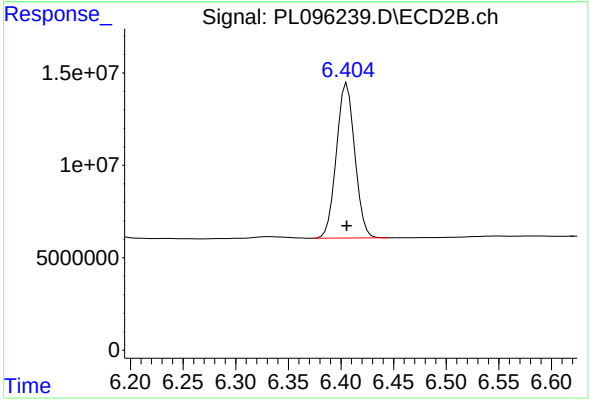
#13 Dieldrin

R.T.: 5.438 min
Delta R.T.: 0.002 min
Response: 120898616
Conc: 17.73 ng/ml



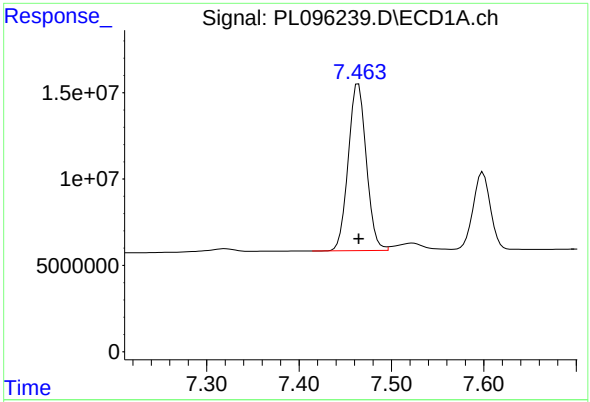
#19 Endosulfan Sulfate

R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 55307739
Conc: 18.08 ng/ml



#19 Endosulfan Sulfate

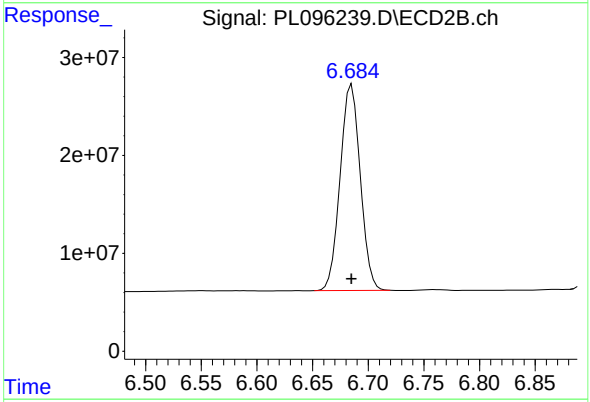
R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 102116369
Conc: 18.16 ng/ml



#20 Methoxychlor

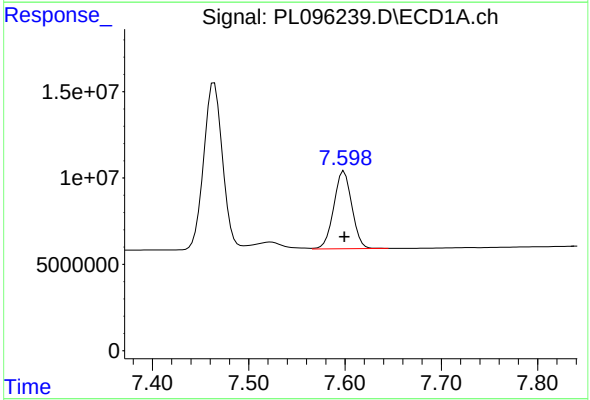
R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 131275919
Conc: 83.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



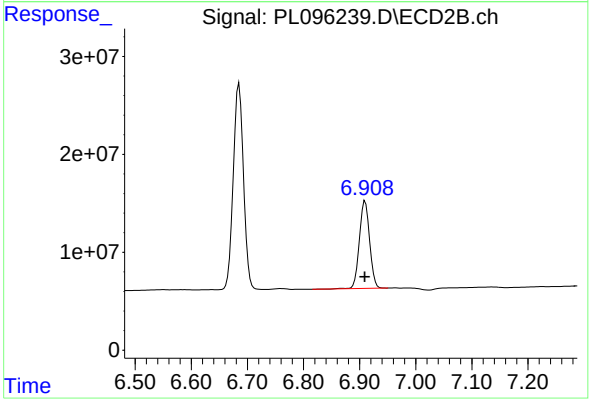
#20 Methoxychlor

R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 265510101
Conc: 87.40 ng/ml



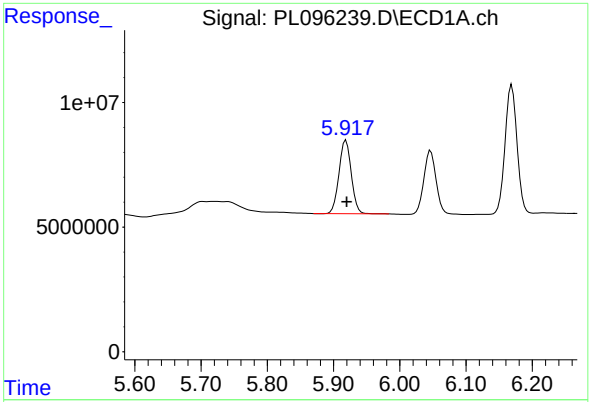
#21 Endrin ketone

R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 58507106
Conc: 17.72 ng/ml



#21 Endrin ketone

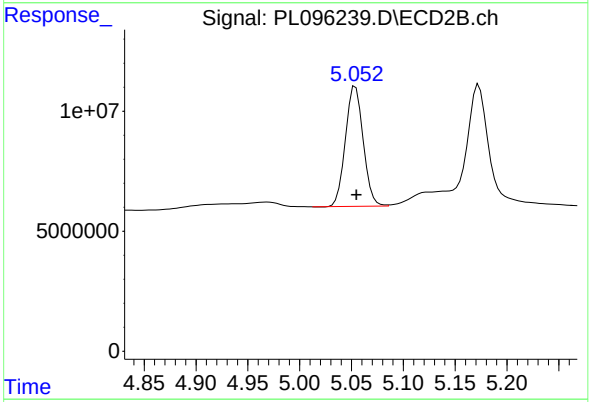
R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 113810797
Conc: 18.20 ng/ml



#25 Chlordane-3

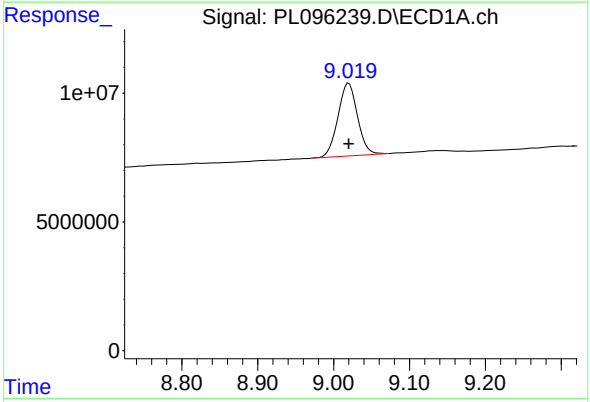
R.T.: 5.919 min
Delta R.T.: -0.001 min
Response: 38063125
Conc: 51.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



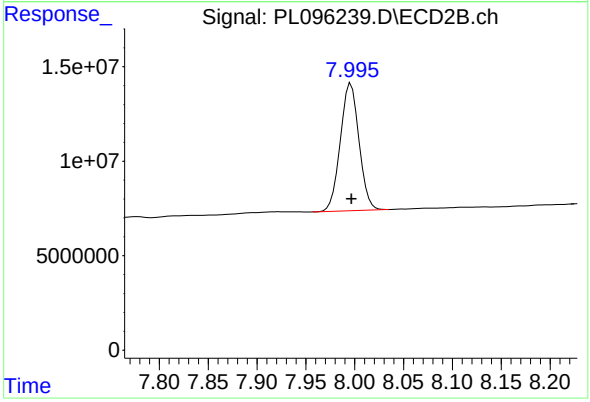
#25 Chlordane-3

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

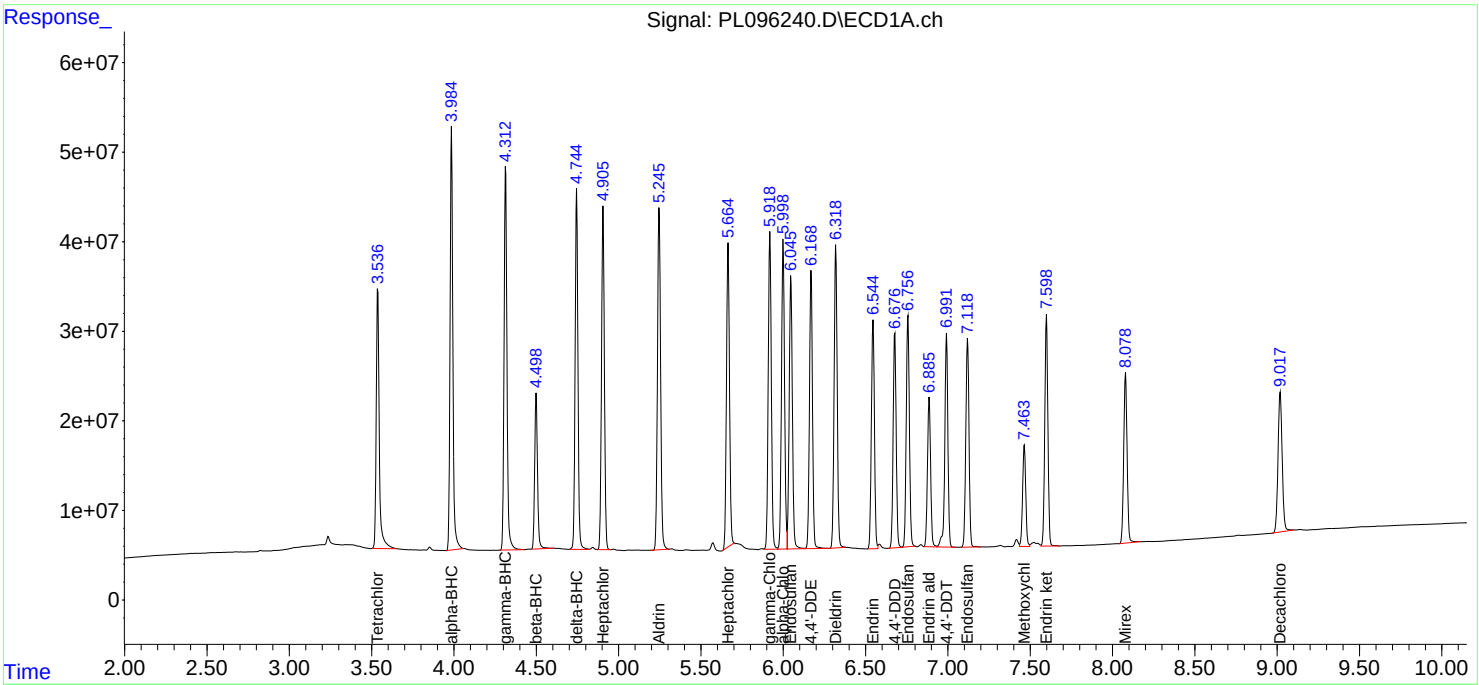
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

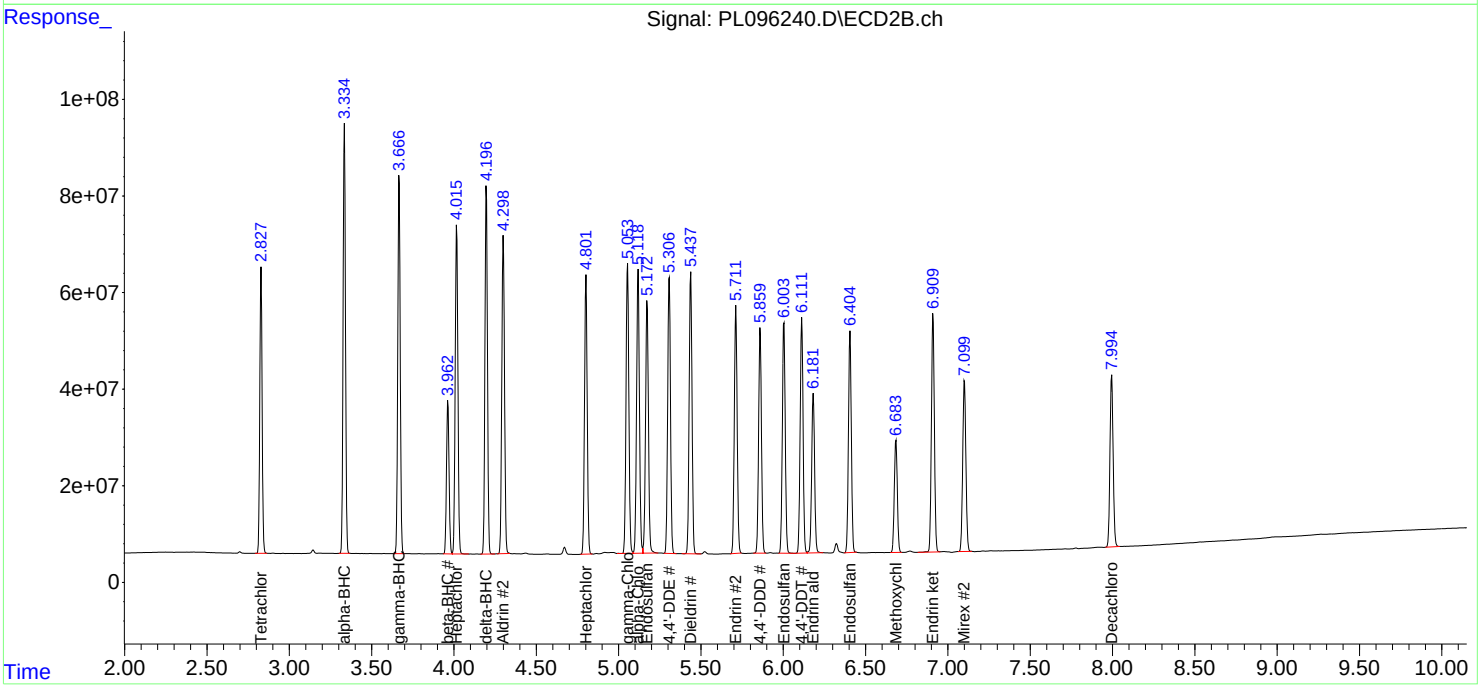
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096240.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:53
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

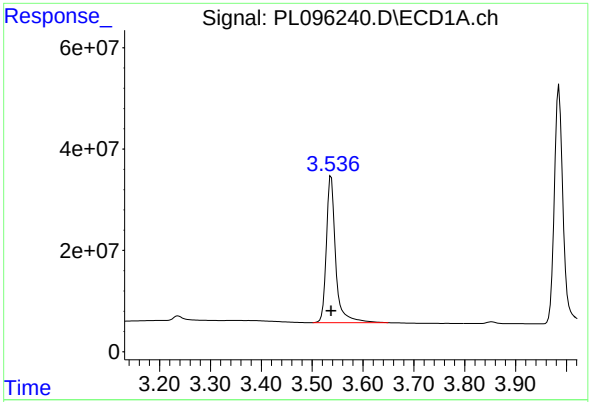
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

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



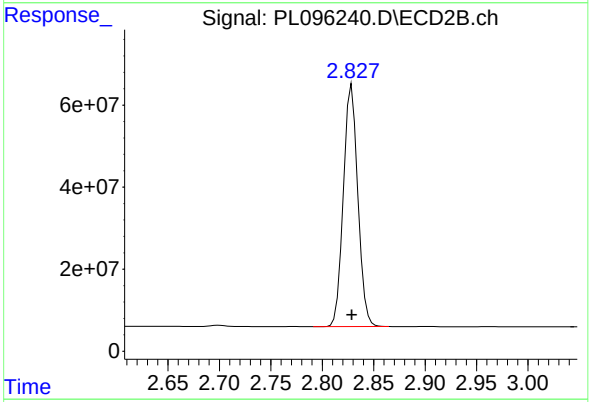




#1 Tetrachloro-m-xylene

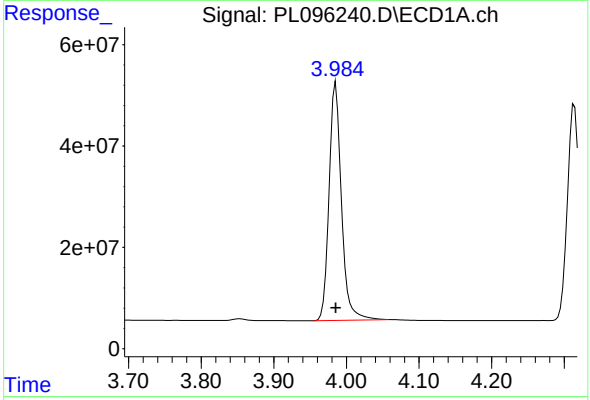
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 368713396
Conc: 101.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



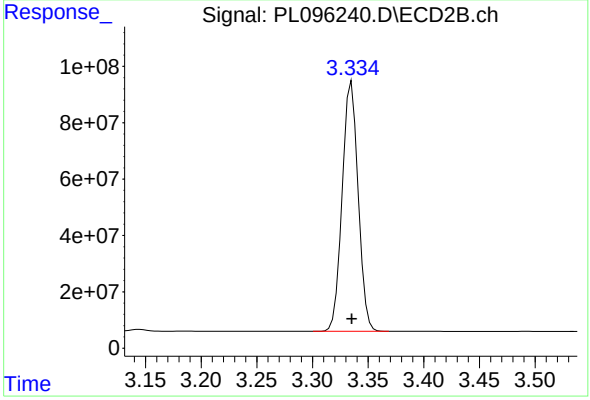
#1 Tetrachloro-m-xylene

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



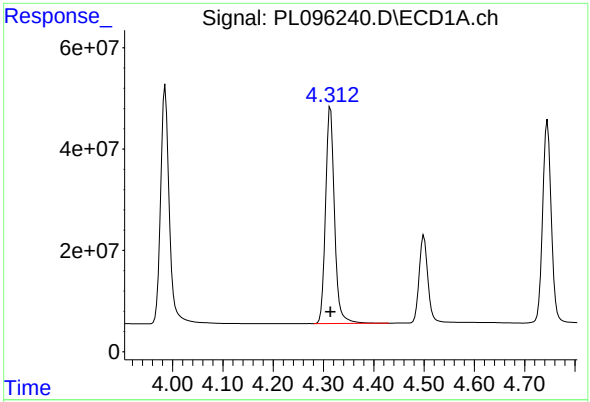
#2 alpha-BHC

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



#2 alpha-BHC

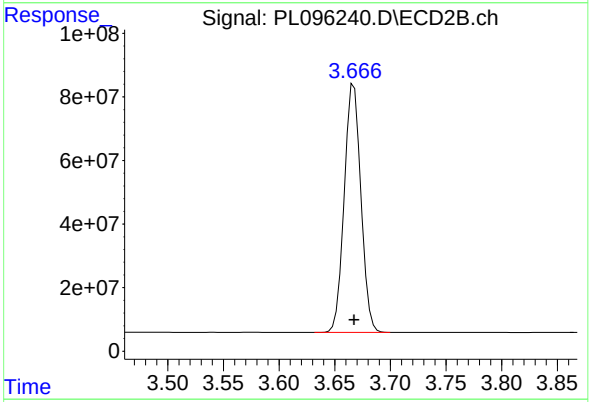
R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 884814859
Conc: 101.51 ng/ml



#3 gamma-BHC (Lindane)

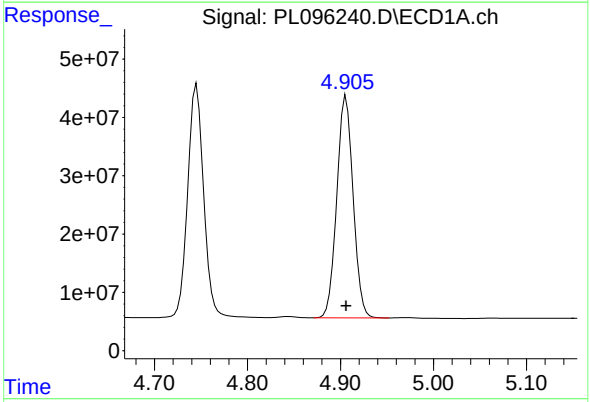
R.T.: 4.314 min
Delta R.T.: 0.000 min
Response: 527748889
Conc: 102.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



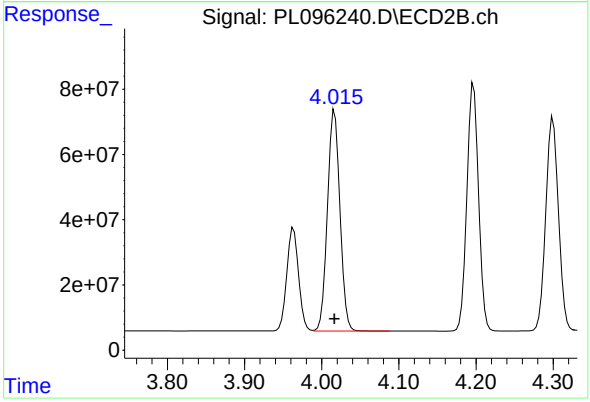
#3 gamma-BHC (Lindane)

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



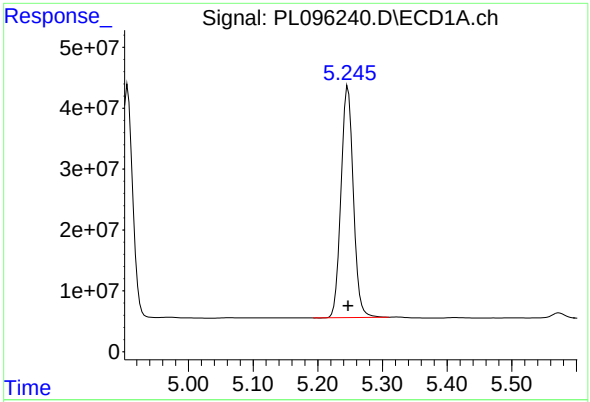
#4 Heptachlor

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



#4 Heptachlor

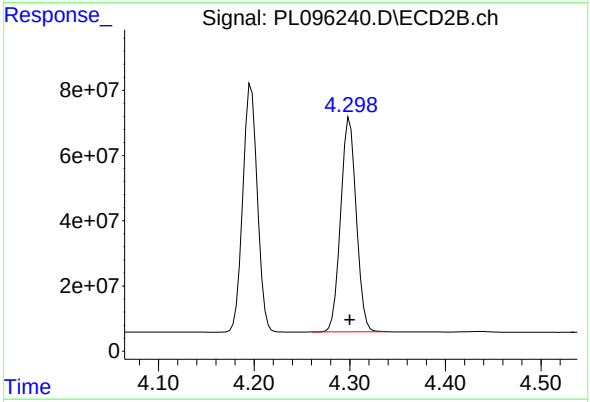
R.T.: 4.017 min
Delta R.T.: 0.000 min
Response: 766184215
Conc: 99.97 ng/ml



#5 Aldrin

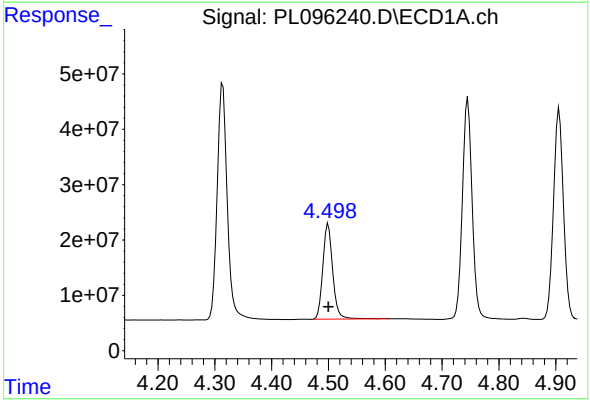
R.T.: 5.247 min
Delta R.T.: 0.000 min
Response: 504421526
Conc: 102.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



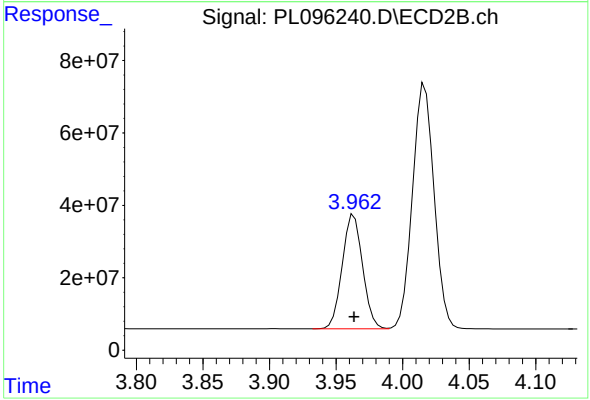
#5 Aldrin

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



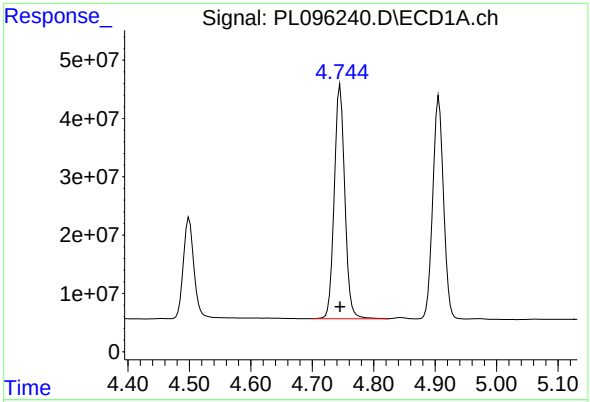
#6 beta-BHC

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



#6 beta-BHC

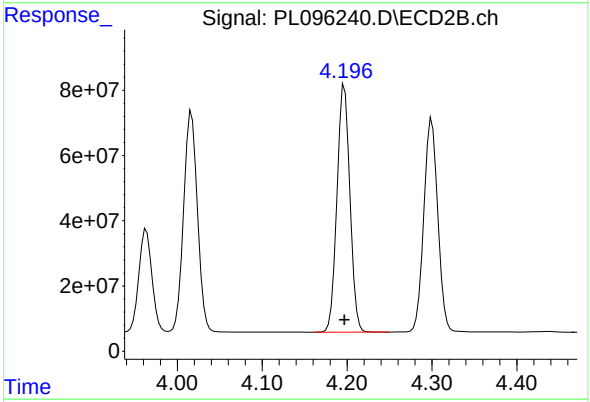
R.T.: 3.964 min
Delta R.T.: 0.000 min
Response: 336093656
Conc: 99.60 ng/ml



#7 delta-BHC

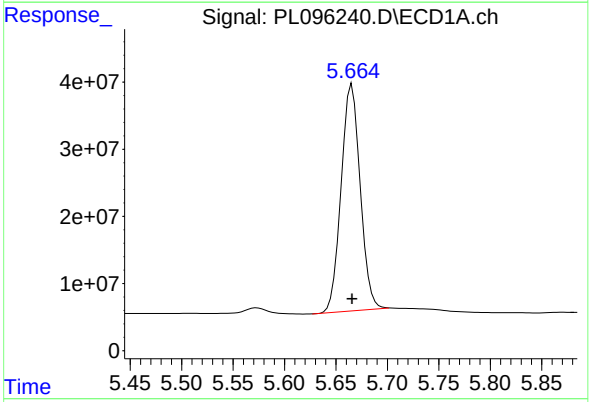
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 480409974
Conc: 103.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



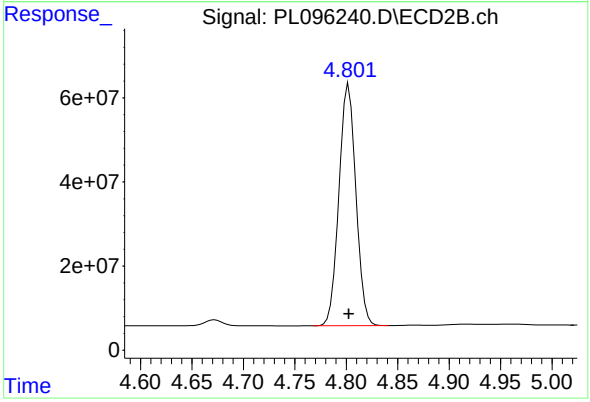
#7 delta-BHC

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



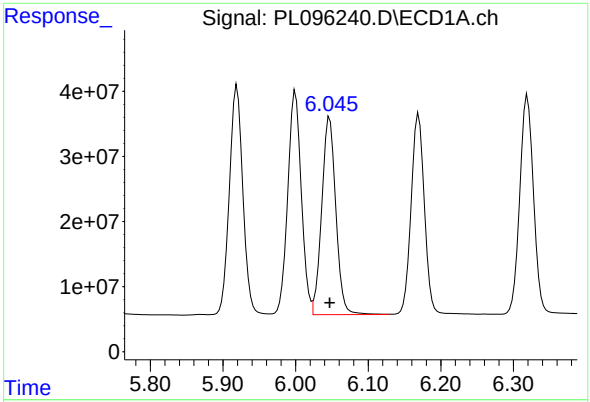
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

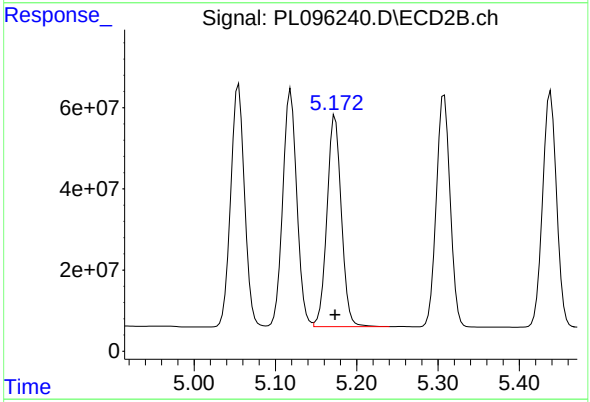
R.T.: 4.802 min
Delta R.T.: 0.000 min
Response: 658834978
Conc: 99.22 ng/ml



#9 Endosulfan I

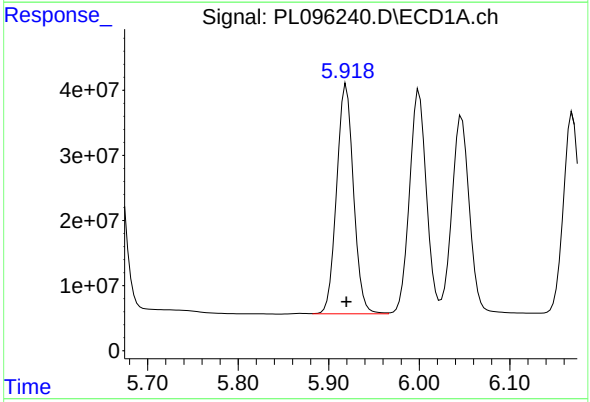
R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 410449369
Conc: 101.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



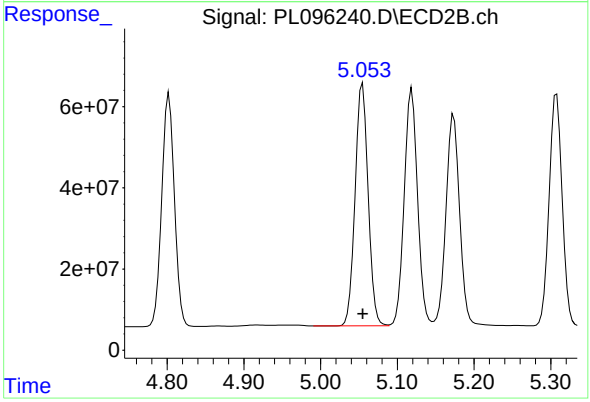
#9 Endosulfan I

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



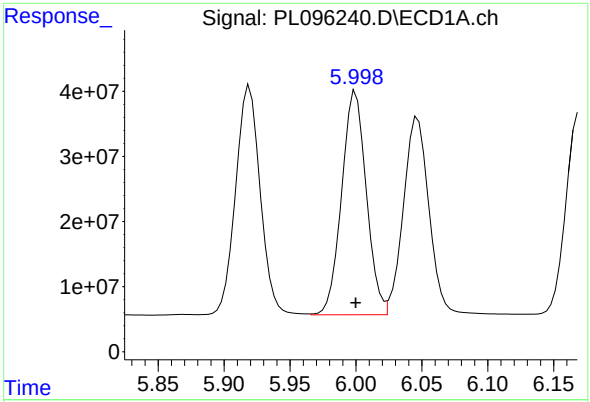
#10 gamma-Chlordane

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



#10 gamma-Chlordane

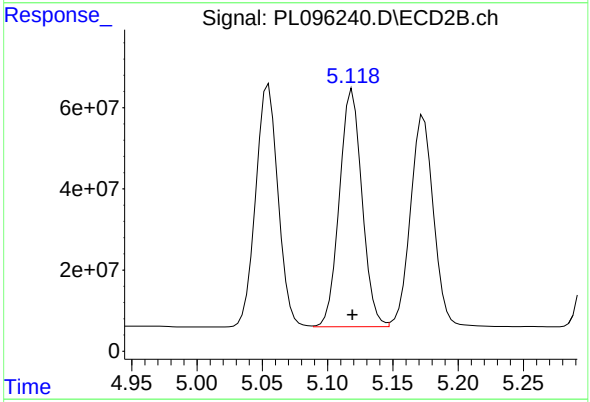
R.T.: 5.055 min
Delta R.T.: 0.000 min
Response: 709660522
Conc: 100.84 ng/ml



#11 alpha-Chlordane

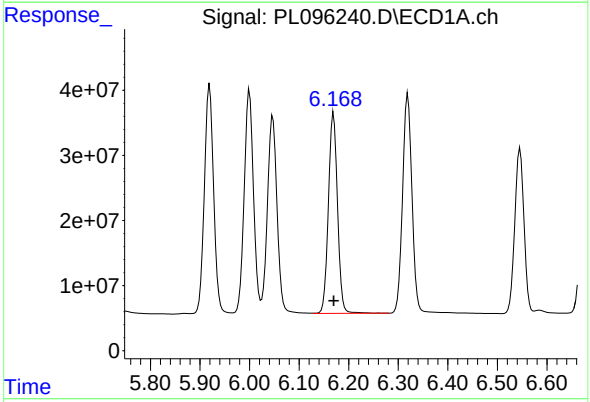
R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 446783941
Conc: 101.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



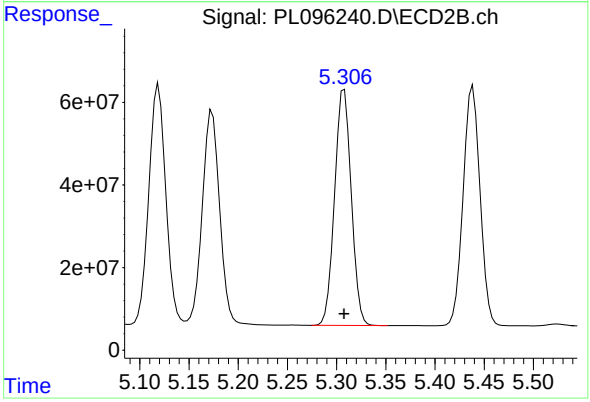
#11 alpha-Chlordane

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



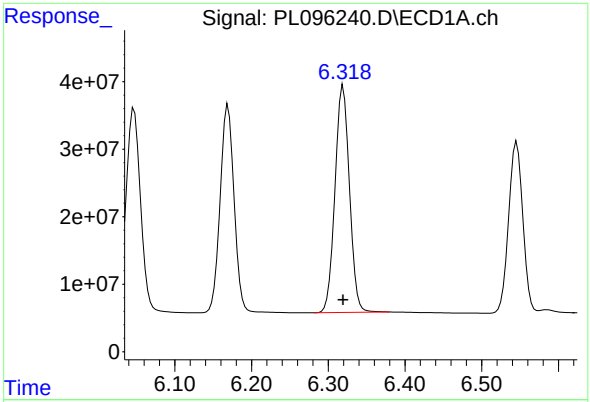
#12 4,4'-DDE

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



#12 4,4'-DDE

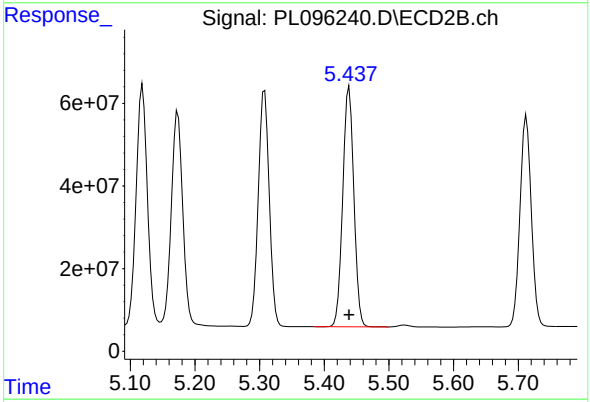
R.T.: 5.308 min
Delta R.T.: 0.000 min
Response: 673912776
Conc: 101.52 ng/ml



#13 Dieldrin

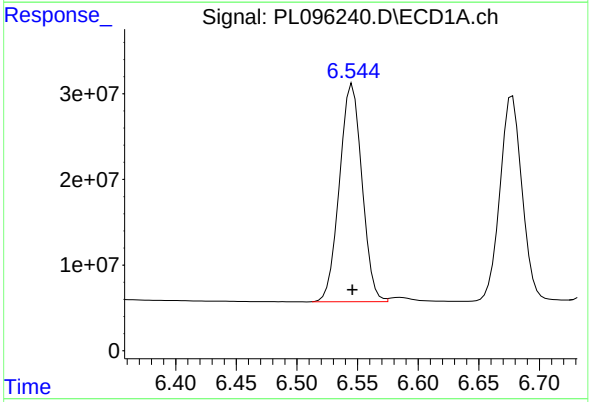
R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 441219717
Conc: 102.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



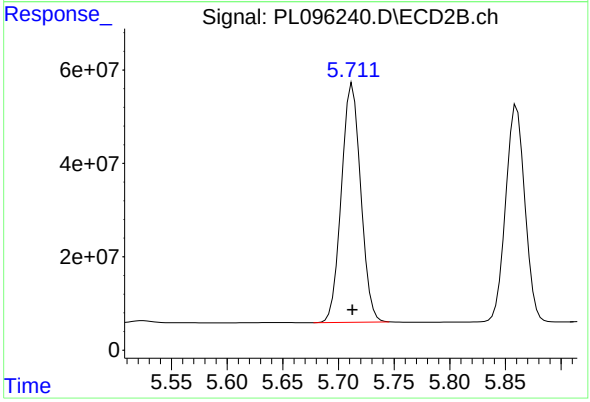
#13 Dieldrin

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



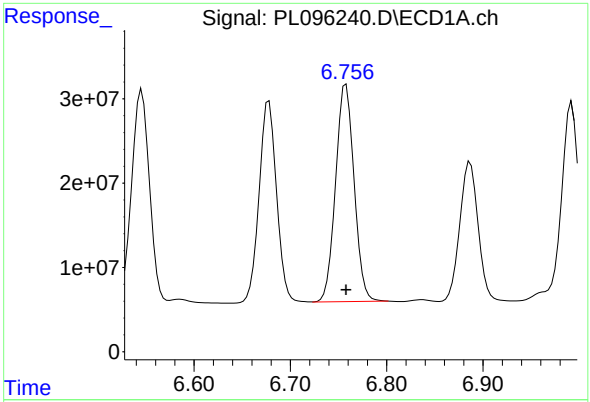
#14 Endrin

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



#14 Endrin

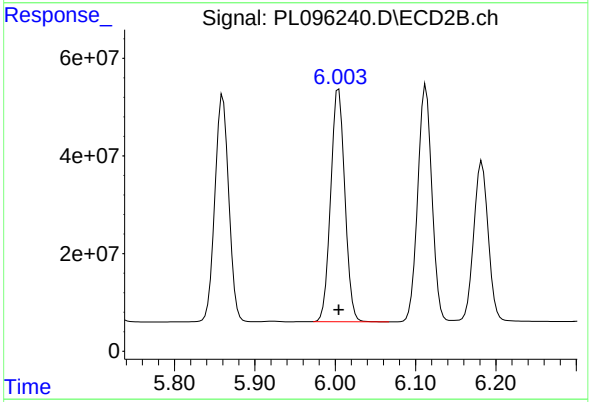
R.T.: 5.713 min
Delta R.T.: 0.000 min
Response: 617911586
Conc: 100.27 ng/ml



#15 Endosulfan II

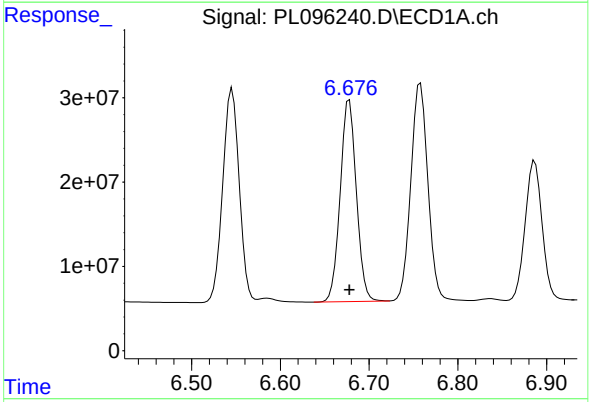
R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 343602098
Conc: 100.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



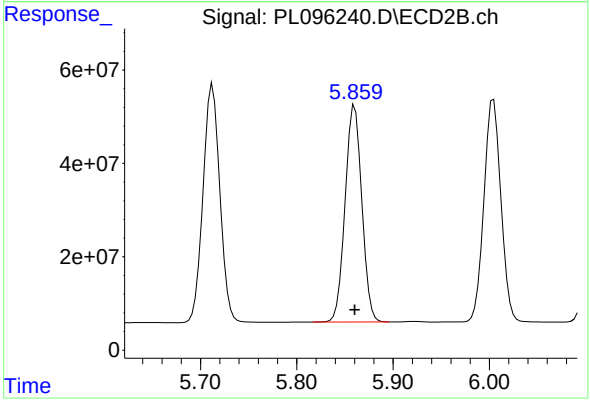
#15 Endosulfan II

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



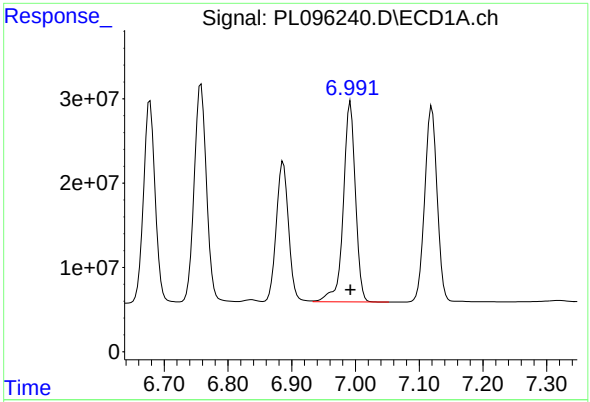
#16 4,4'-DDD

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



#16 4,4'-DDD

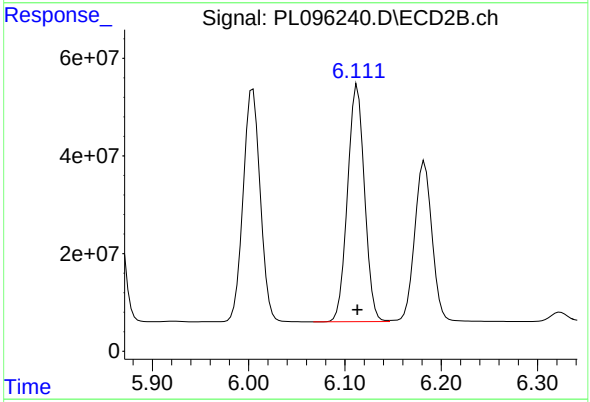
R.T.: 5.860 min
Delta R.T.: 0.000 min
Response: 557157332
Conc: 103.88 ng/ml



#17 4,4'-DDT

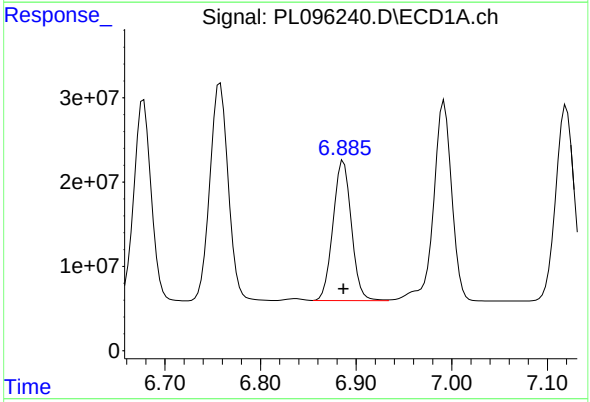
R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 313998795
Conc: 102.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



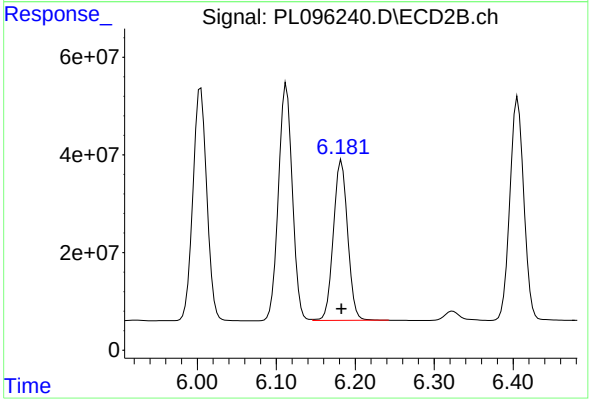
#17 4,4'-DDT

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



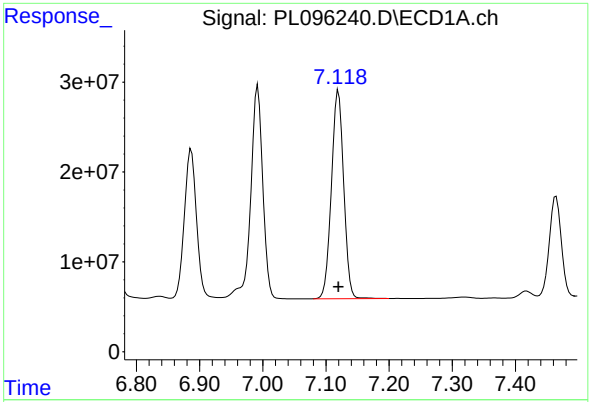
#18 Endrin aldehyde

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



#18 Endrin aldehyde

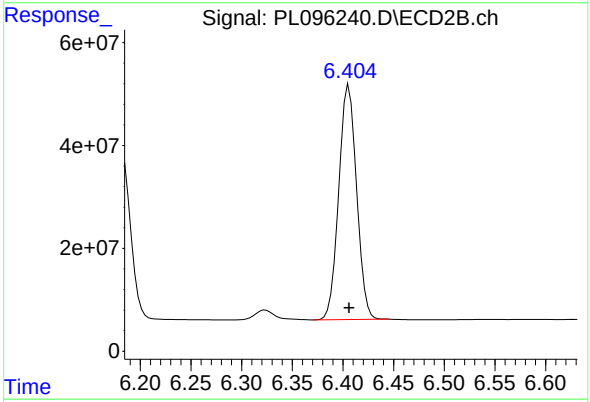
R.T.: 6.183 min
Delta R.T.: 0.000 min
Response: 412506550
Conc: 98.30 ng/ml



#19 Endosulfan Sulfate

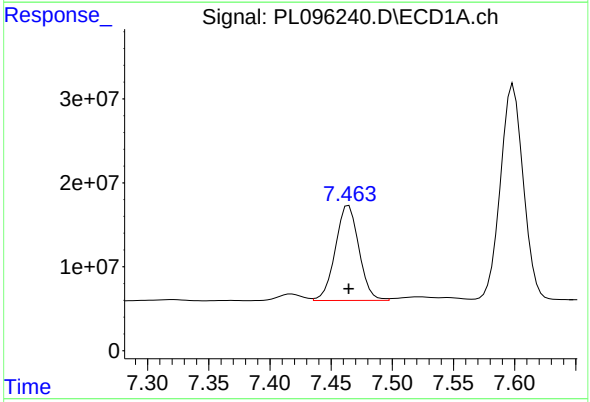
R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 313710860
Conc: 101.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



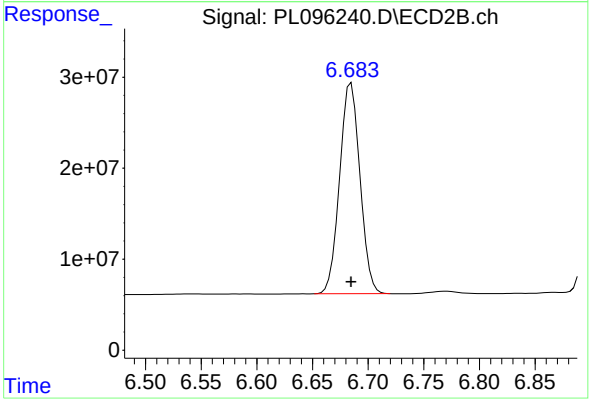
#19 Endosulfan Sulfate

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



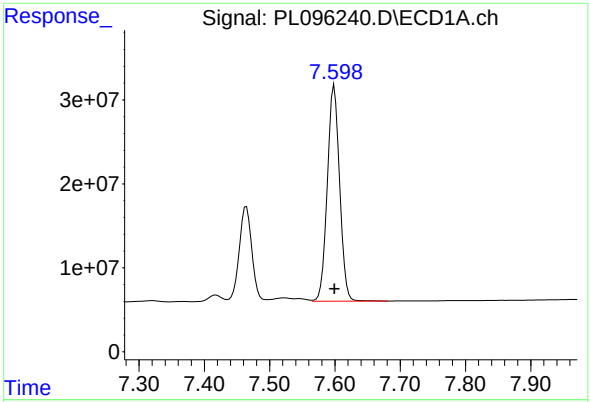
#20 Methoxychlor

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



#20 Methoxychlor

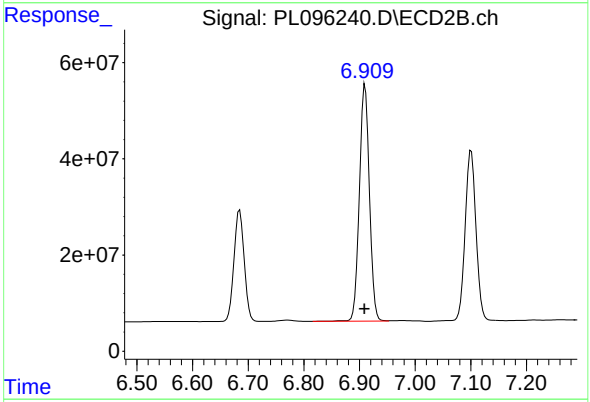
R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 294925098
Conc: 98.69 ng/ml



#21 Endrin ketone

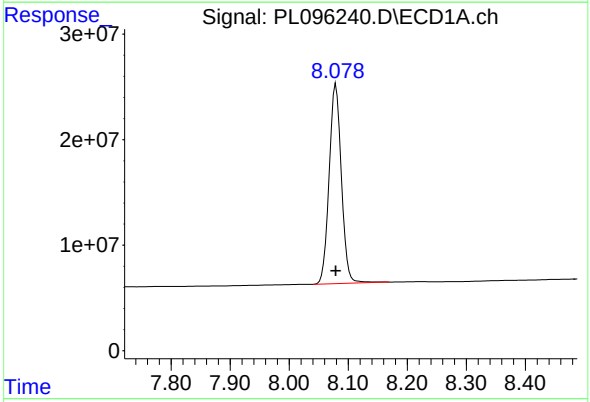
R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 337044938
Conc: 101.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



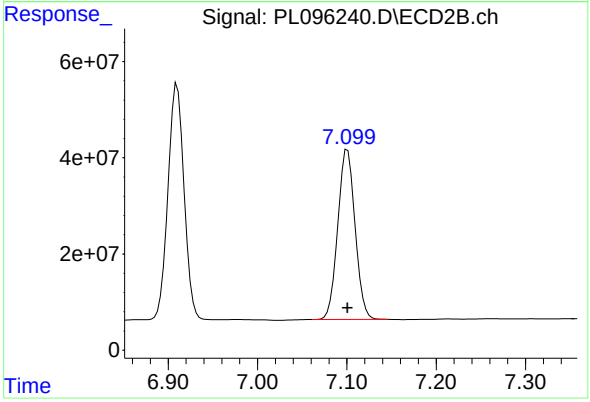
#21 Endrin ketone

R.T.: 6.910 min
Delta R.T.: 0.001 min
Response: 617636931
Conc: 99.49 ng/ml



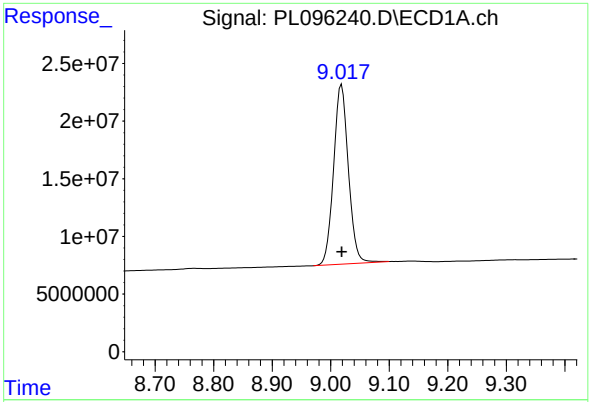
#22 Mirex

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



#22 Mirex

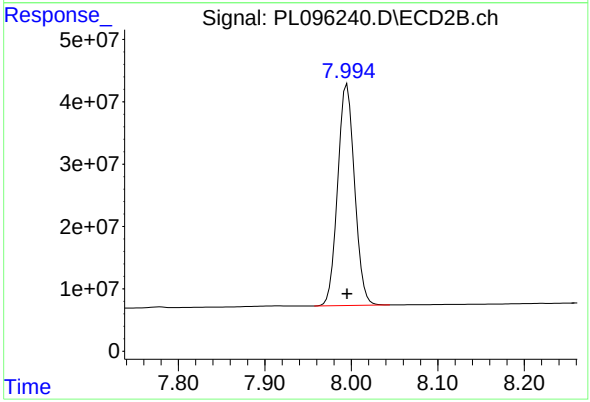
R.T.: 7.101 min
Delta R.T.: 0.000 min
Response: 474838332
Conc: 99.06 ng/ml



#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

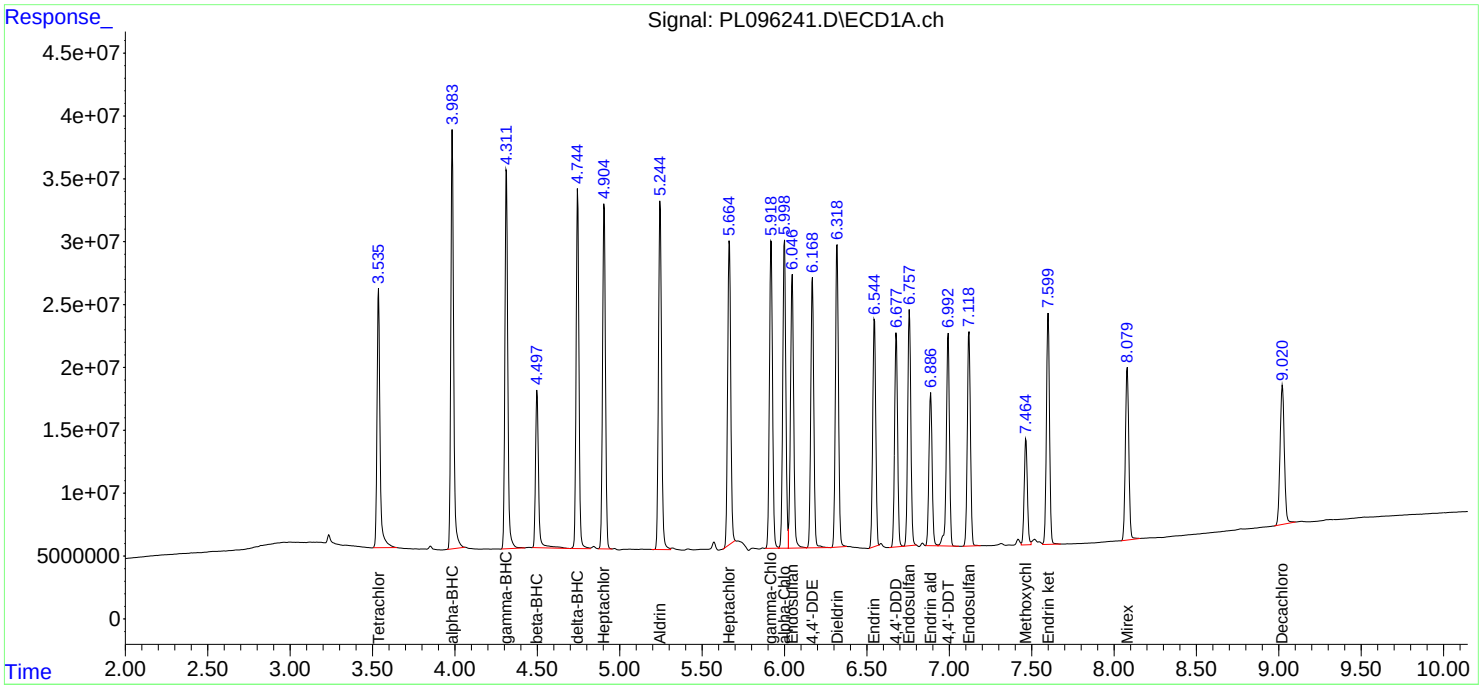
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

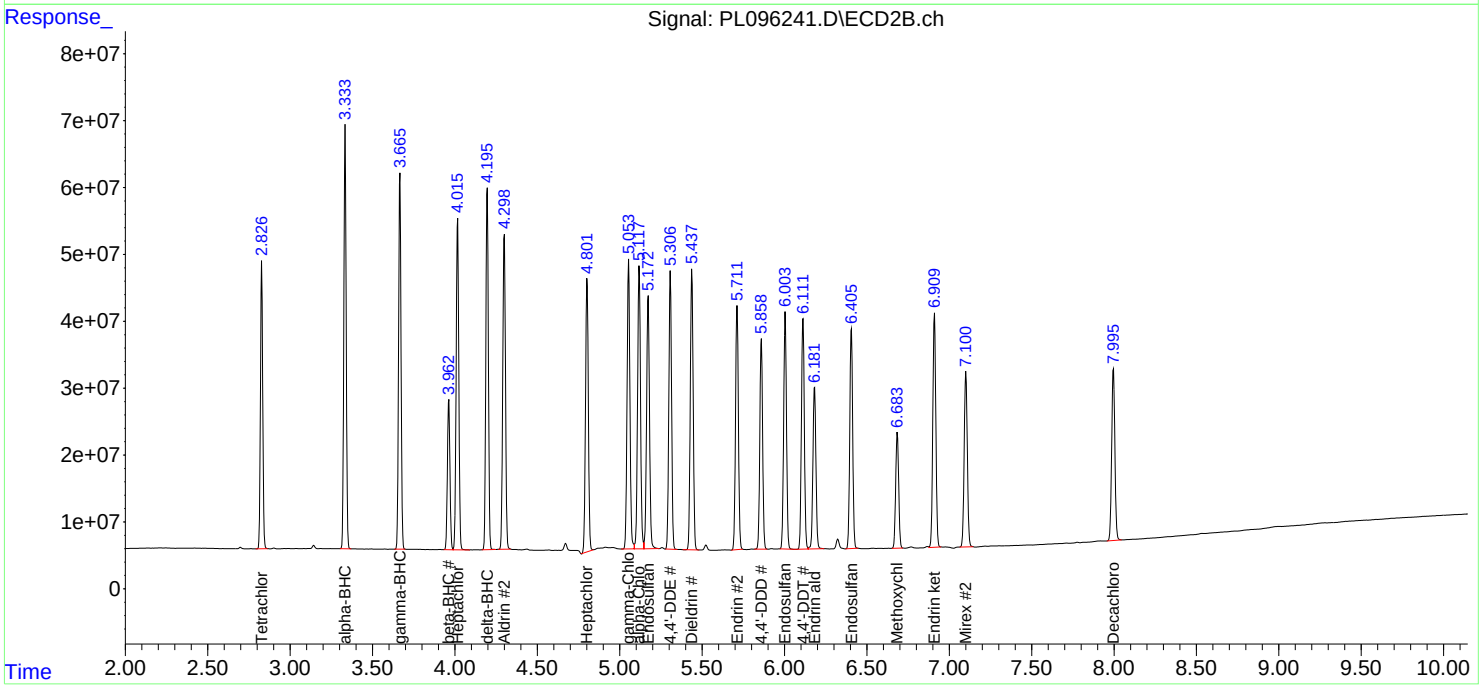
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096241.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:09
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

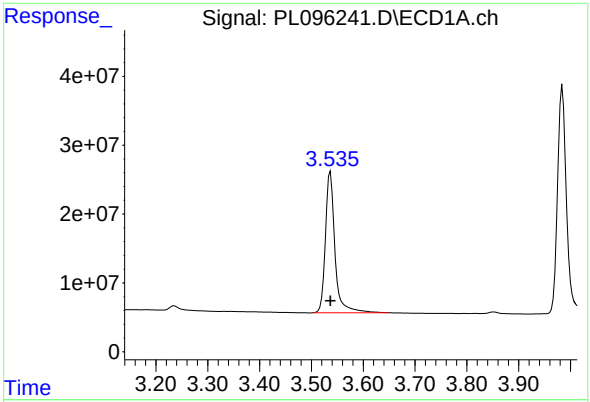
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

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



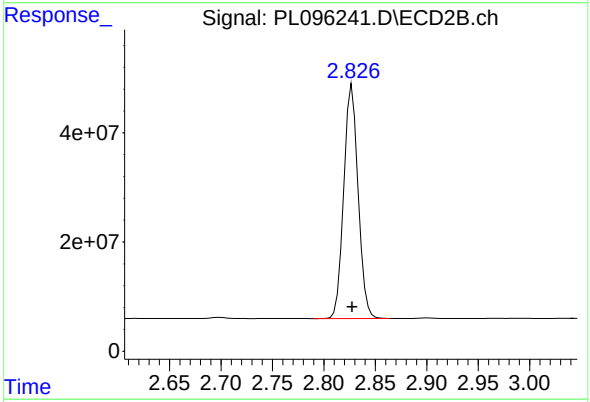




#1 Tetrachloro-m-xylene

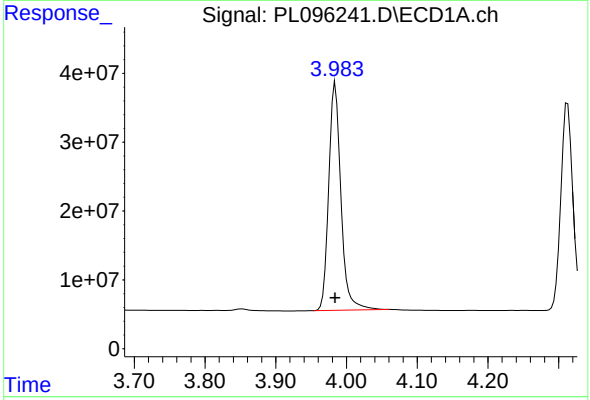
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 262543056
Conc: 72.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



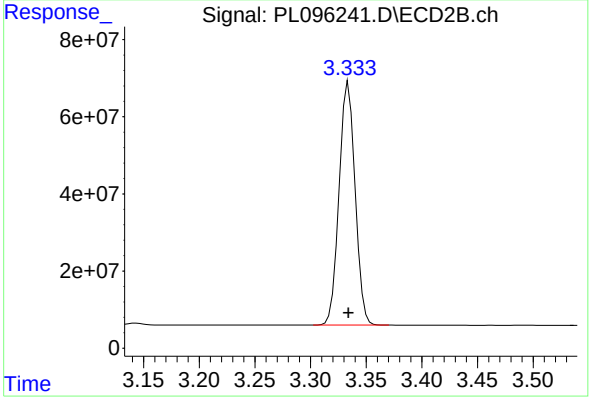
#1 Tetrachloro-m-xylene

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



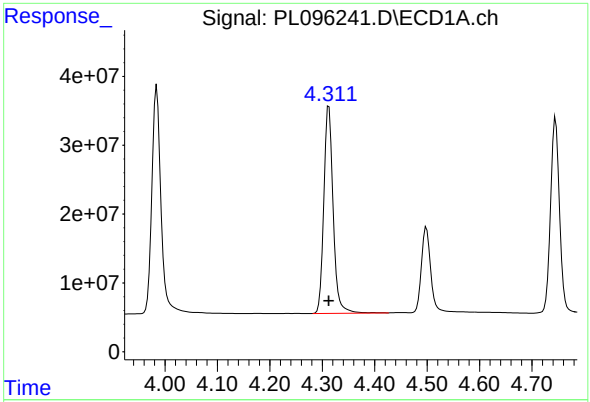
#2 alpha-BHC

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



#2 alpha-BHC

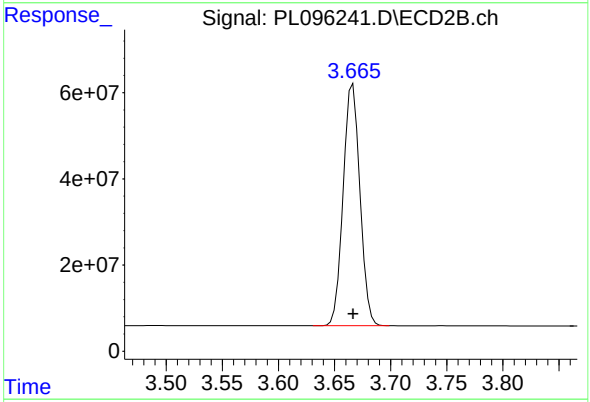
R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 631414881
Conc: 73.27 ng/ml



#3 gamma-BHC (Lindane)

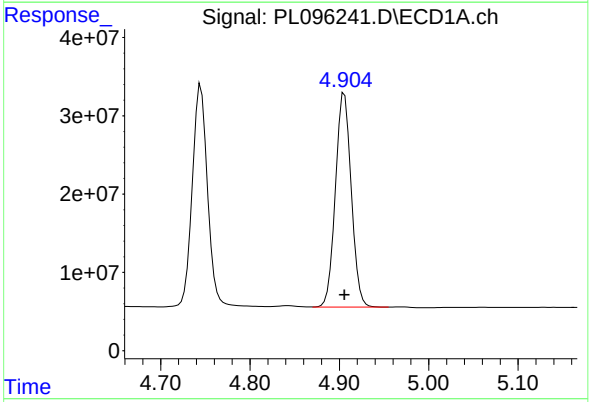
R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 370288063
Conc: 73.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



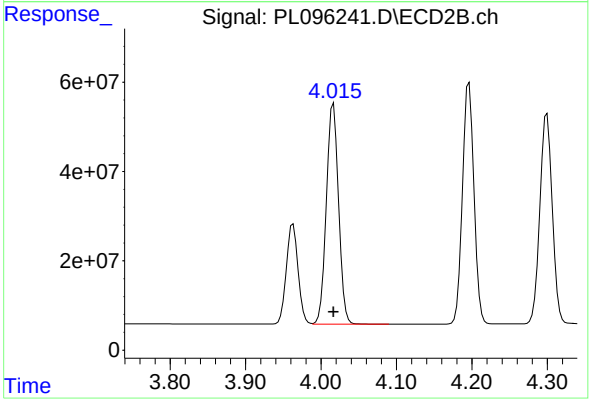
#3 gamma-BHC (Lindane)

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



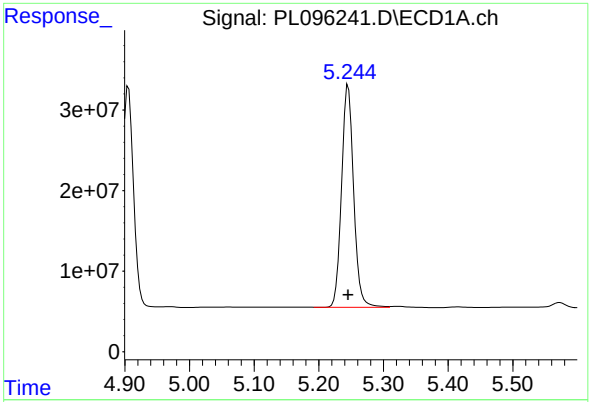
#4 Heptachlor

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



#4 Heptachlor

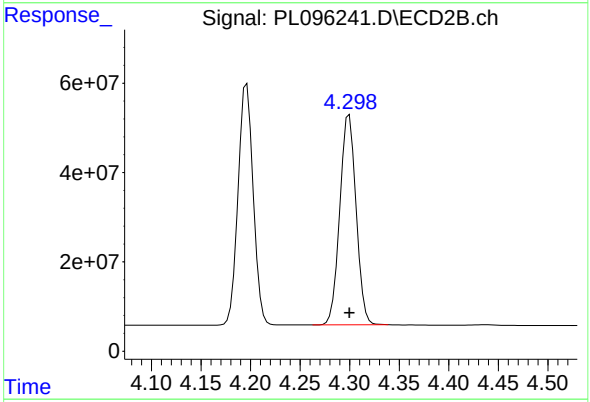
R.T.: 4.016 min
Delta R.T.: 0.000 min
Response: 555021848
Conc: 73.26 ng/ml



#5 Aldrin

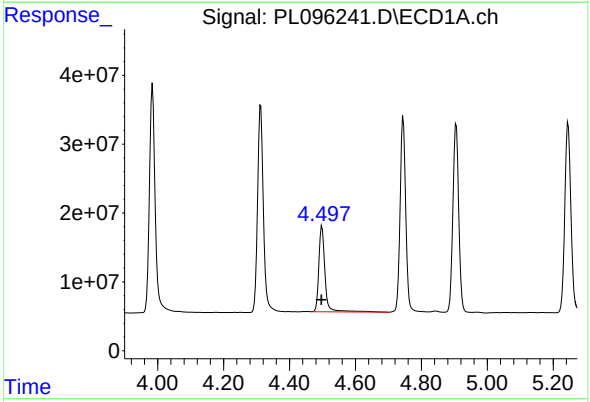
R.T.: 5.245 min
Delta R.T.: 0.000 min
Response: 359102683
Conc: 73.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



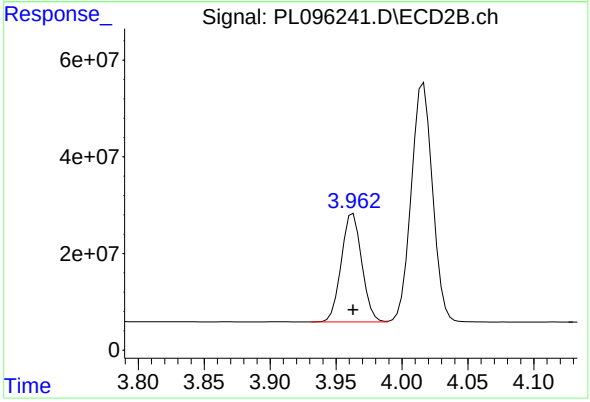
#5 Aldrin

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



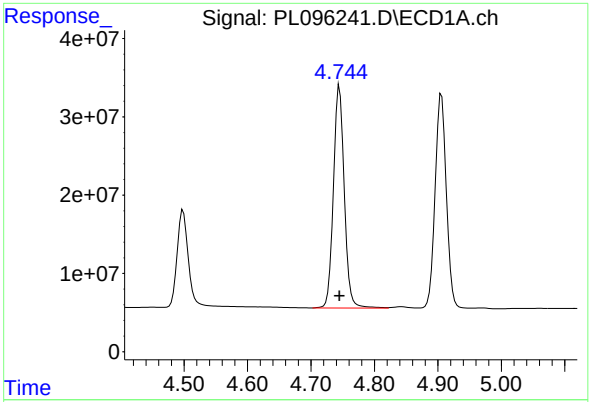
#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.001 min
Response: 161026970
Conc: 78.89 ng/ml



#6 beta-BHC

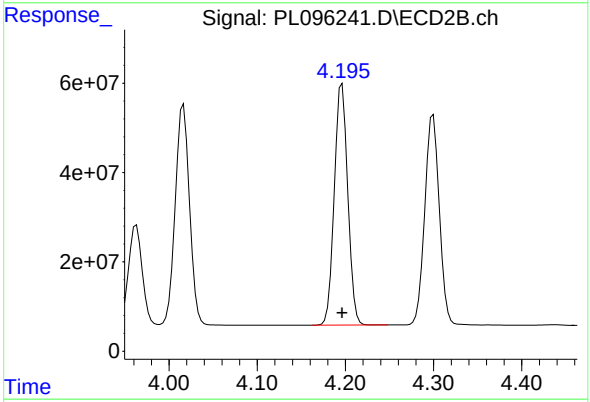
R.T.: 3.963 min
Delta R.T.: 0.000 min
Response: 241953093
Conc: 72.77 ng/ml



#7 delta-BHC

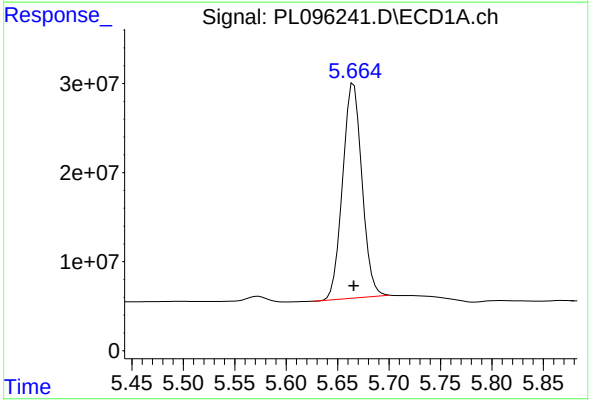
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 338239285
Conc: 73.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



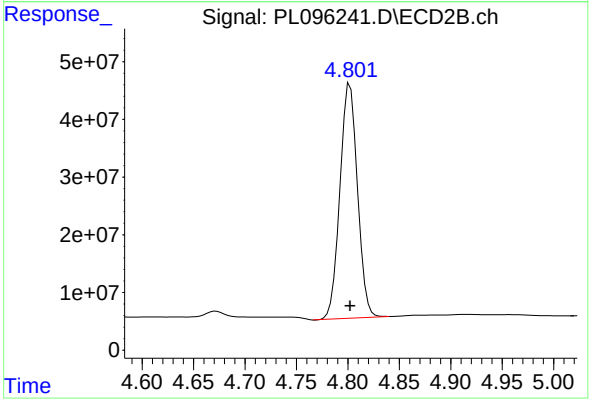
#7 delta-BHC

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



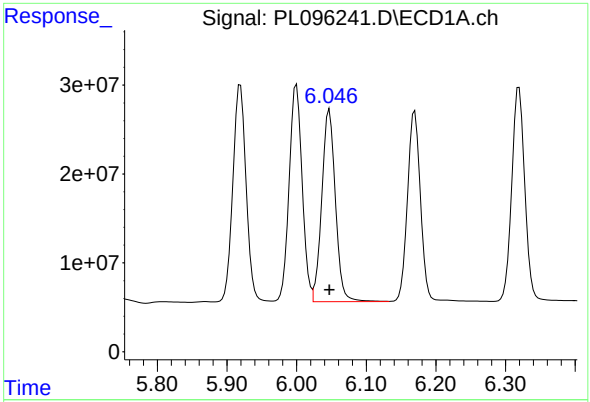
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

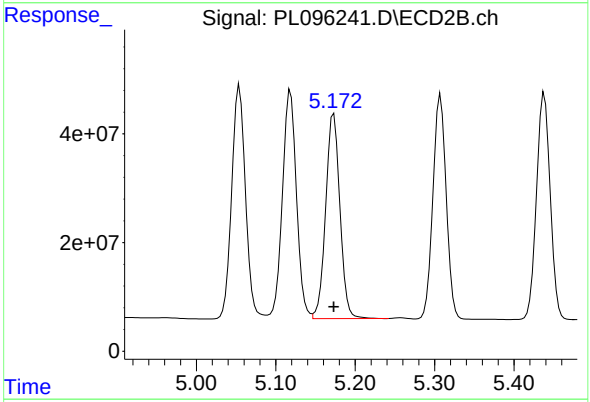
R.T.: 4.802 min
Delta R.T.: 0.000 min
Response: 483858685
Conc: 73.57 ng/ml



#9 Endosulfan I

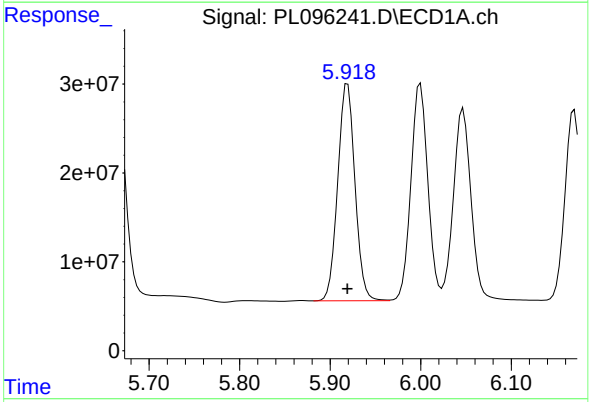
R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 294274733
Conc: 73.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



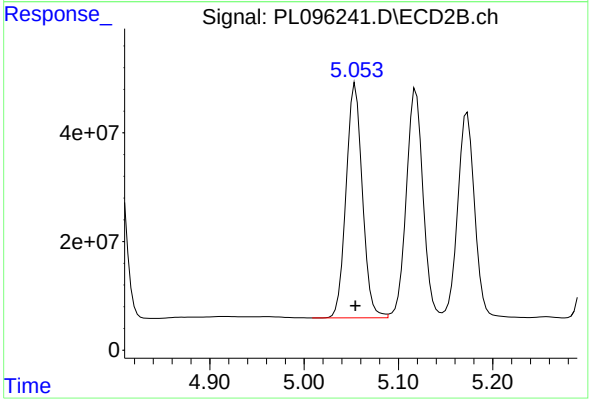
#9 Endosulfan I

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



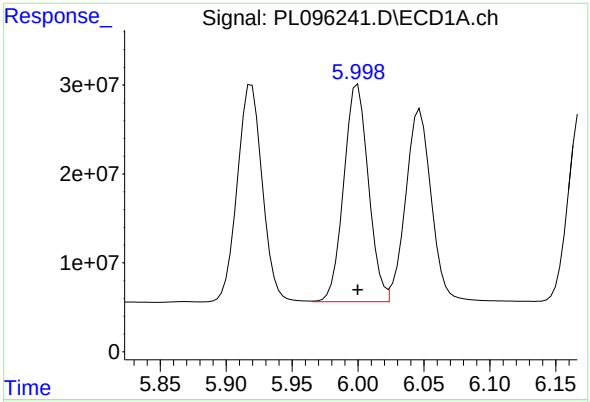
#10 gamma-Chlordane

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



#10 gamma-Chlordane

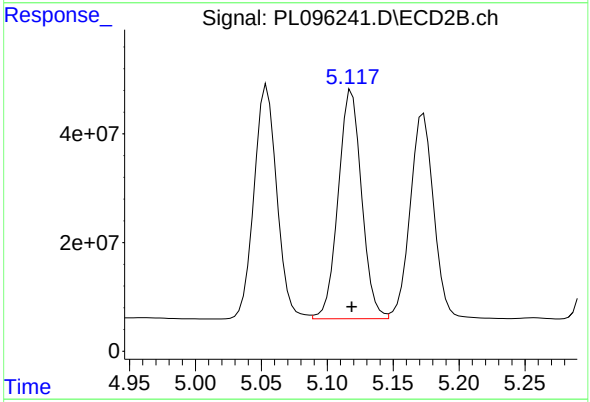
R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 518309627
Conc: 74.09 ng/ml



#11 alpha-Chlordane

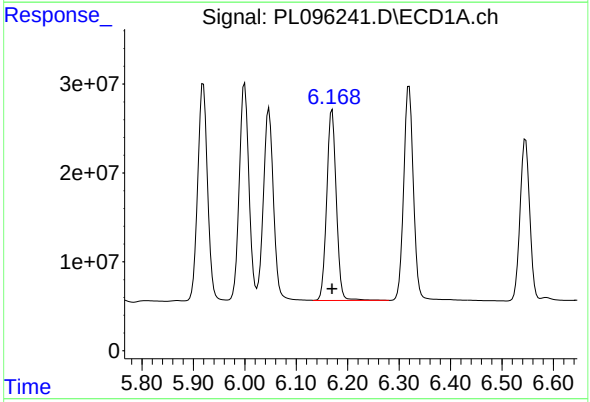
R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 317688612
Conc: 73.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



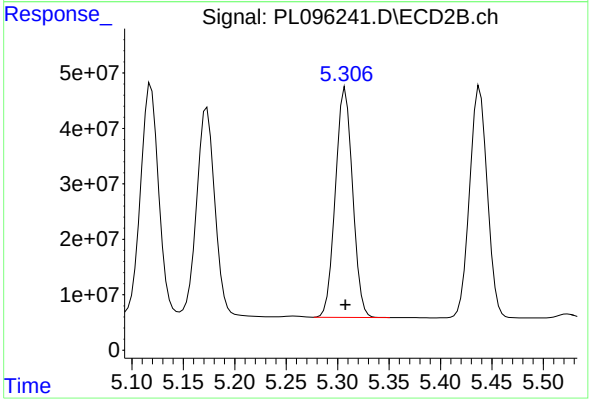
#11 alpha-Chlordane

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



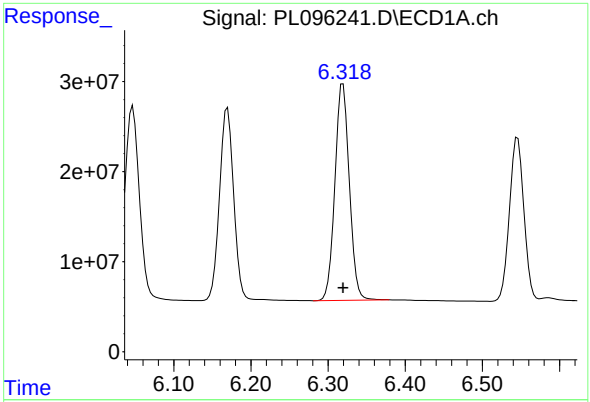
#12 4,4'-DDE

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



#12 4,4'-DDE

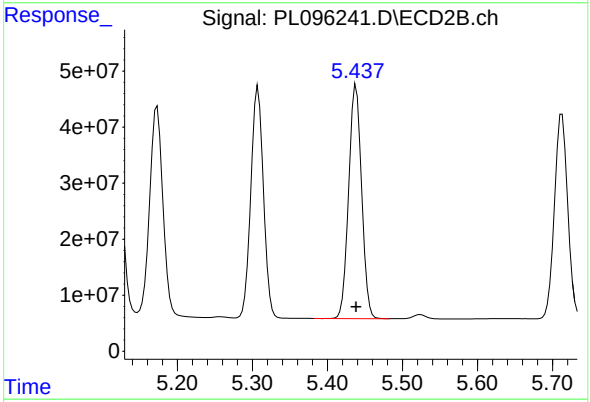
R.T.: 5.308 min
Delta R.T.: 0.000 min
Response: 481278531
Conc: 73.32 ng/ml



#13 Dieldrin

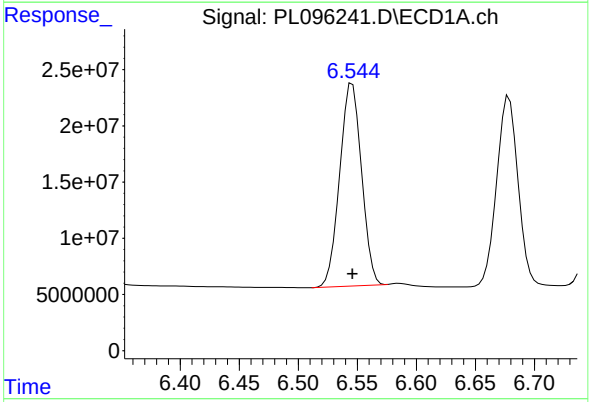
R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 312301591
Conc: 73.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



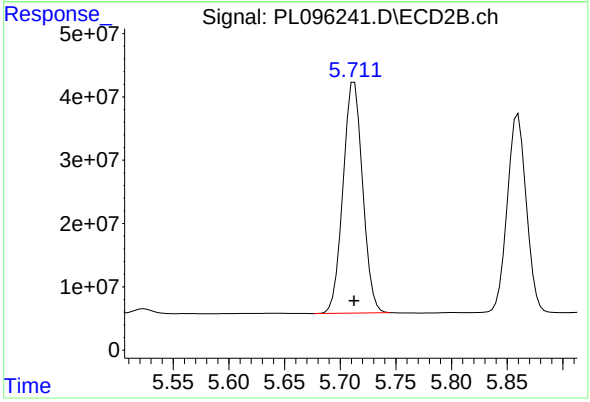
#13 Dieldrin

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



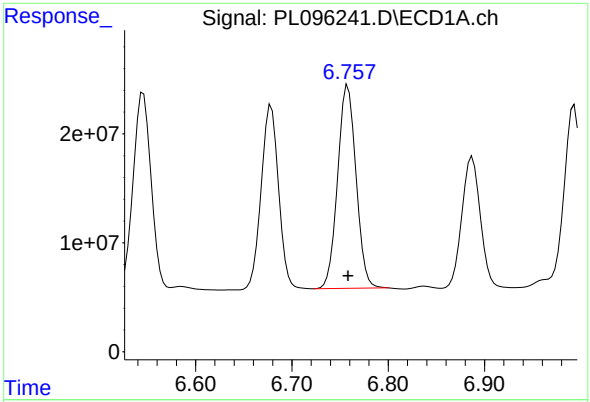
#14 Endrin

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



#14 Endrin

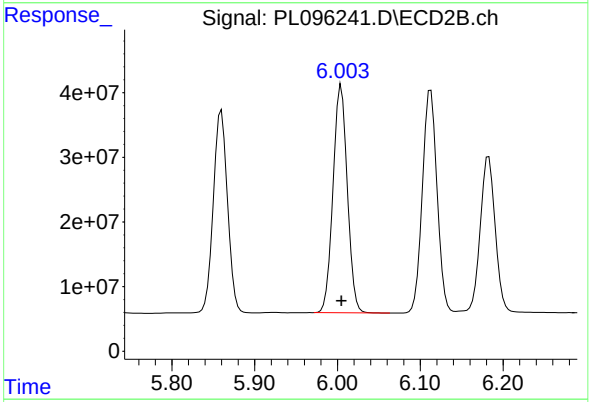
R.T.: 5.713 min
Delta R.T.: 0.000 min
Response: 447229804
Conc: 73.36 ng/ml



#15 Endosulfan II

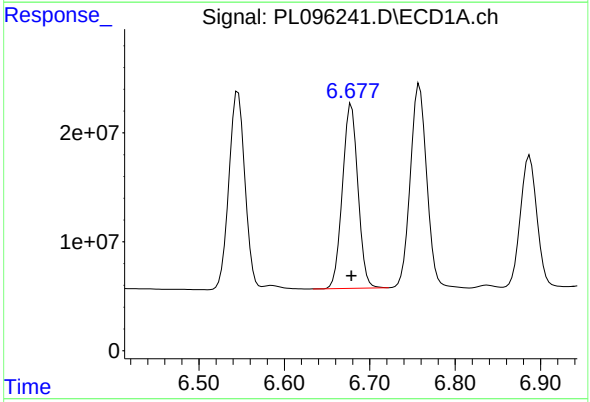
R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 247308429
Conc: 73.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



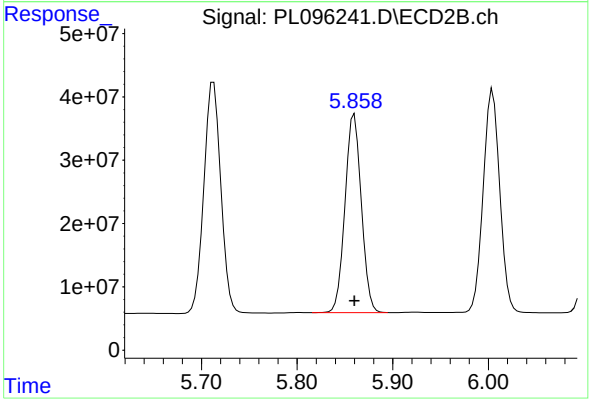
#15 Endosulfan II

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



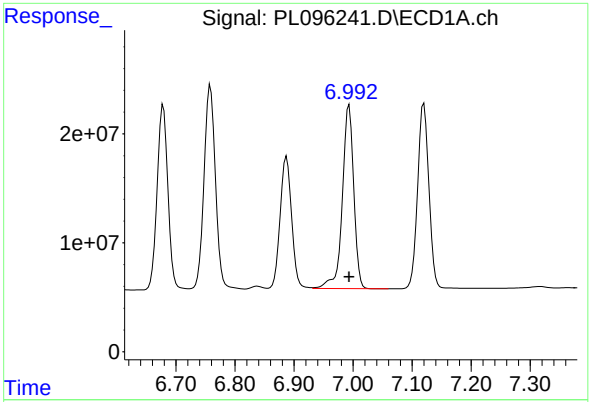
#16 4,4'-DDD

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



#16 4,4'-DDD

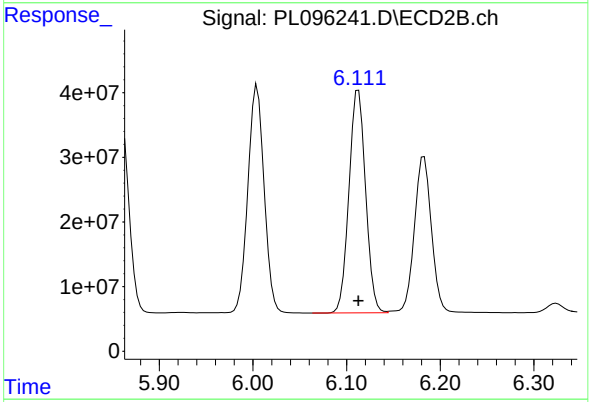
R.T.: 5.860 min
Delta R.T.: 0.000 min
Response: 373318019
Conc: 71.31 ng/ml



#17 4,4'-DDT

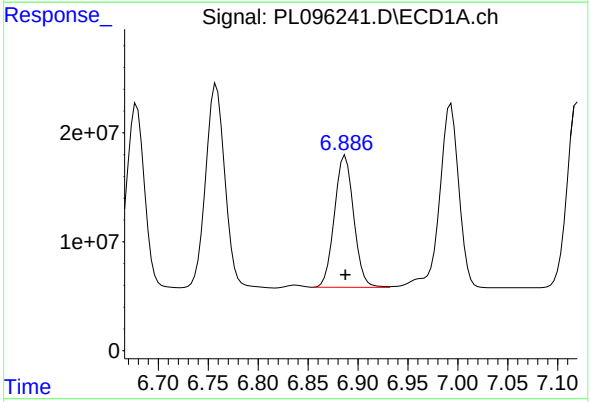
R.T.: 6.993 min
Delta R.T.: 0.000 min
Response: 226572574
Conc: 74.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



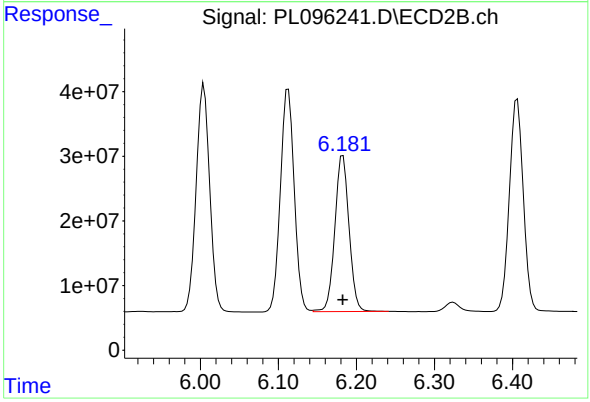
#17 4,4'-DDT

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



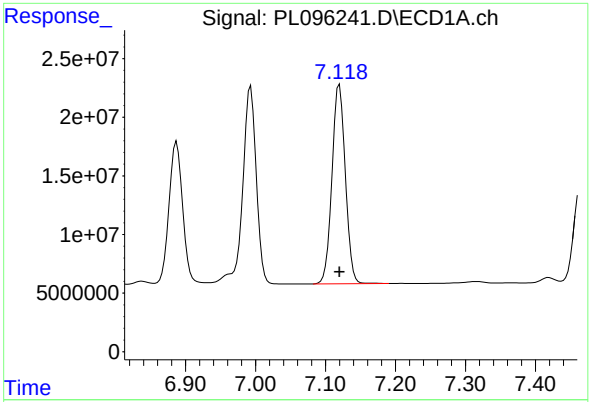
#18 Endrin aldehyde

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



#18 Endrin aldehyde

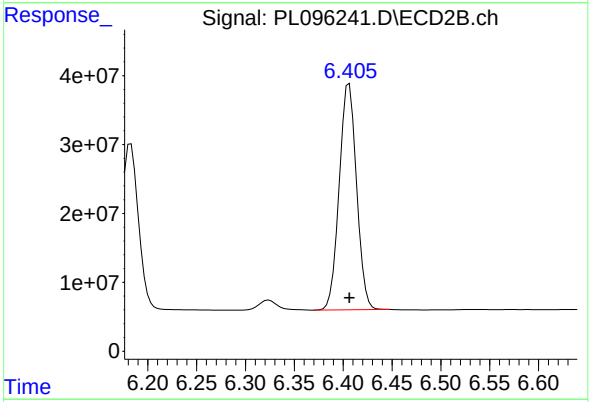
R.T.: 6.183 min
Delta R.T.: 0.000 min
Response: 304826260
Conc: 73.41 ng/ml



#19 Endosulfan Sulfate

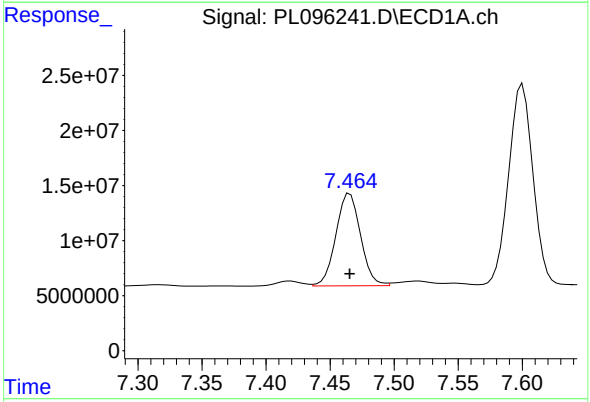
R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 225348743
Conc: 73.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



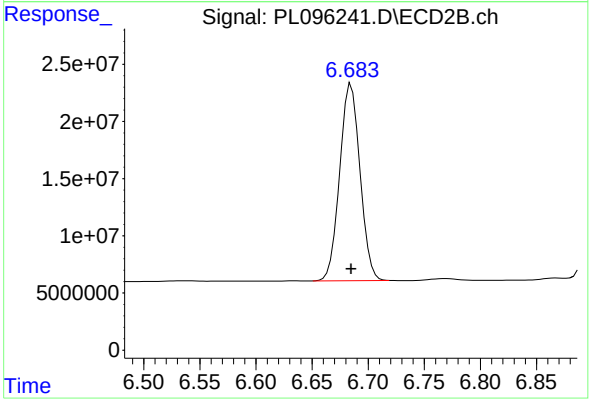
#19 Endosulfan Sulfate

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



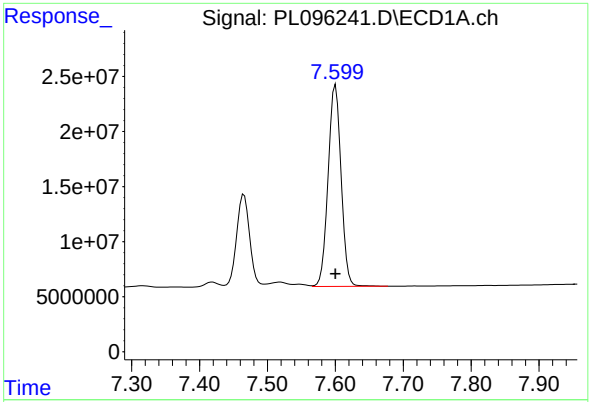
#20 Methoxychlor

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



#20 Methoxychlor

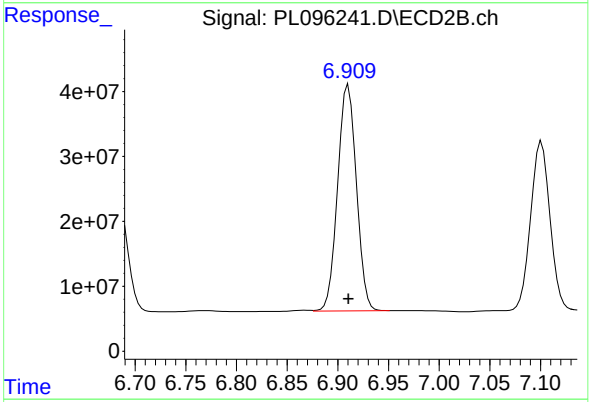
R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 216984559
Conc: 73.39 ng/ml



#21 Endrin ketone

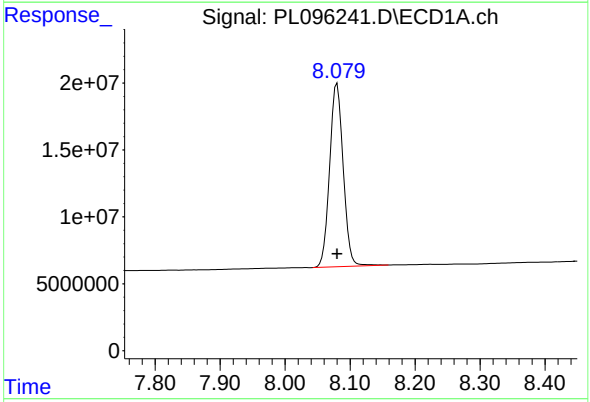
R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 243303097
Conc: 73.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



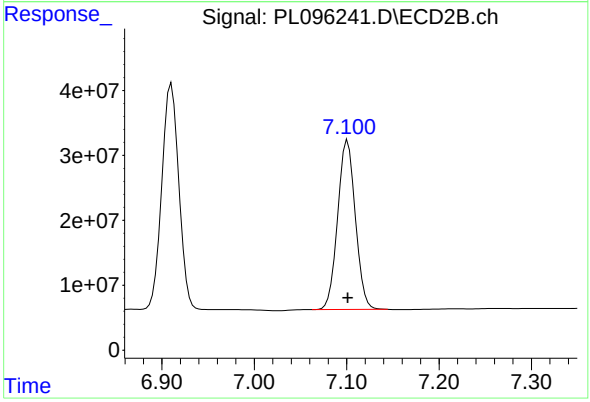
#21 Endrin ketone

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



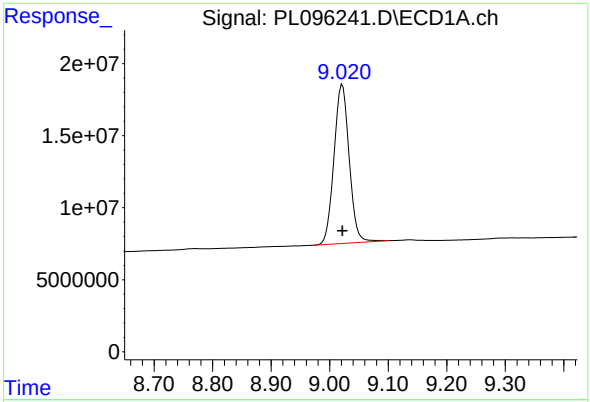
#22 Mirex

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



#22 Mirex

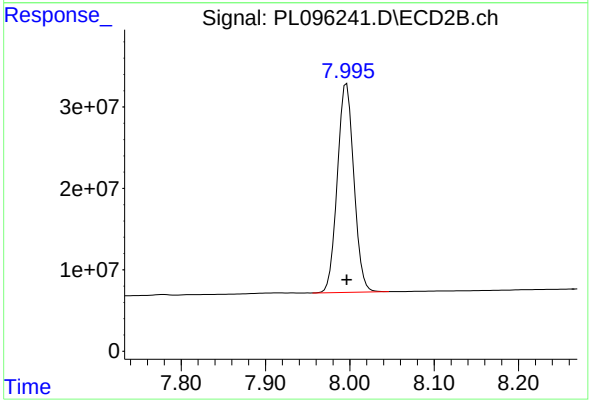
R.T.: 7.101 min
Delta R.T.: 0.000 min
Response: 347235656
Conc: 73.27 ng/ml



#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

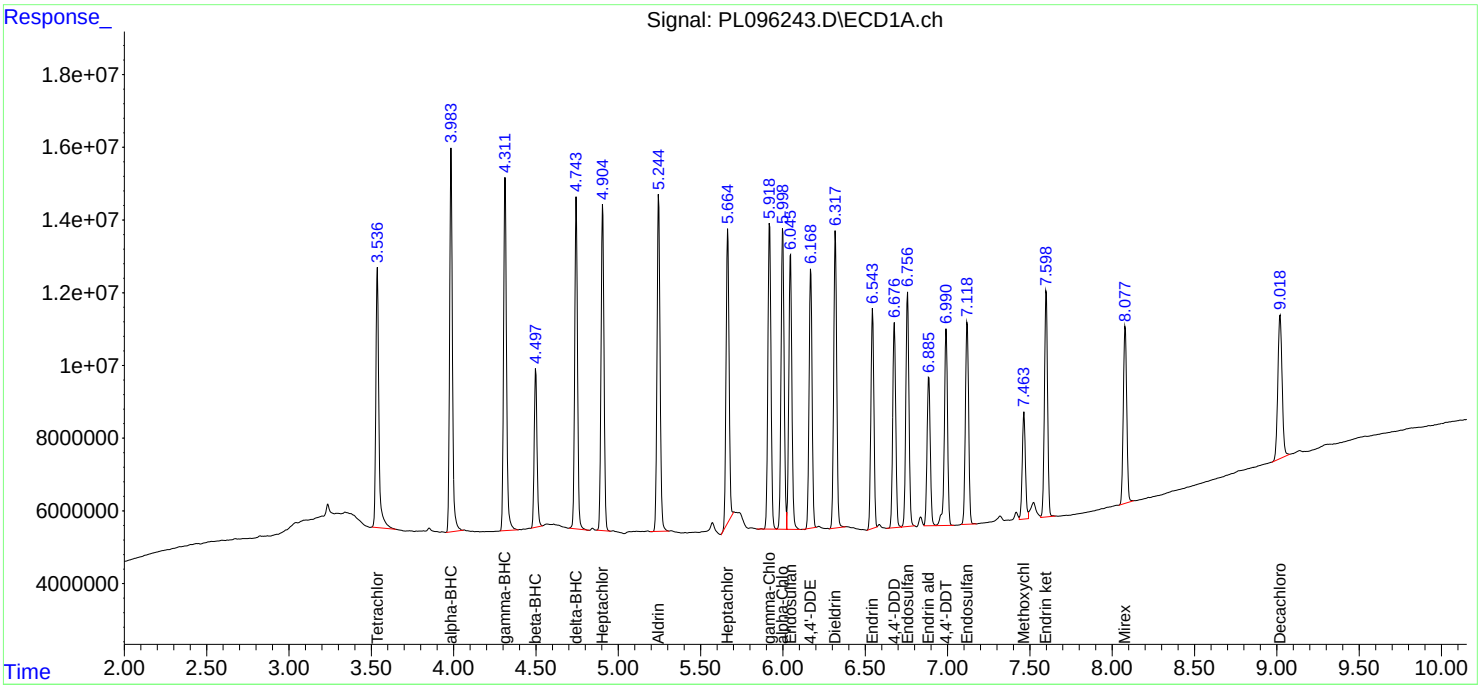
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

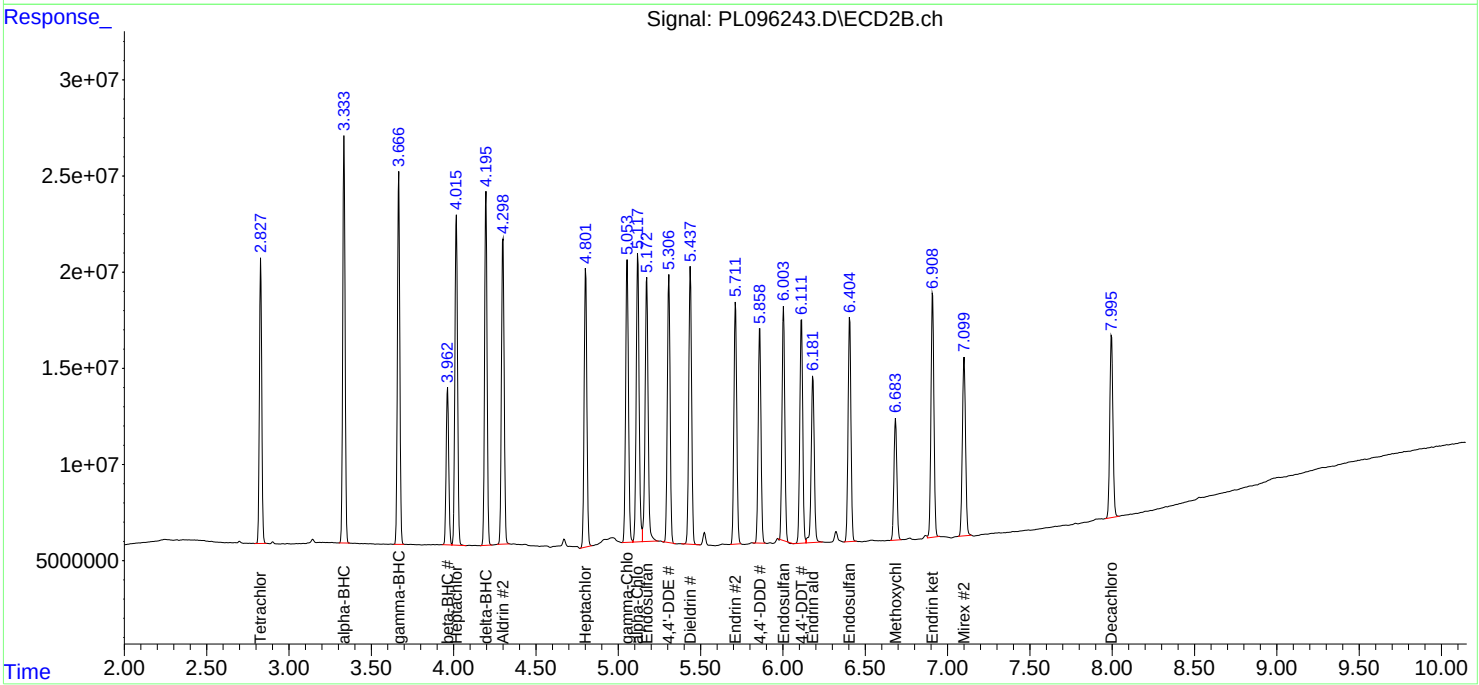
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096243.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:36
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

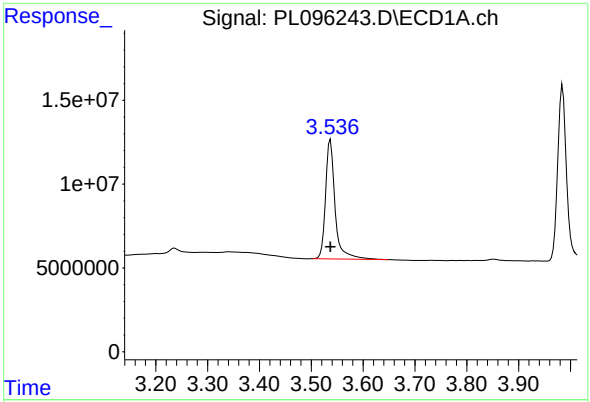
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

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



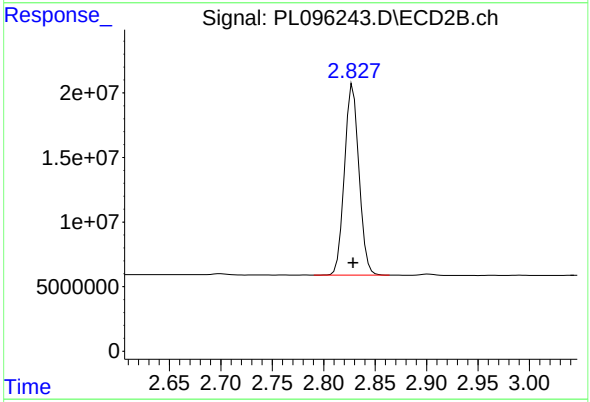




#1 Tetrachloro-m-xylene

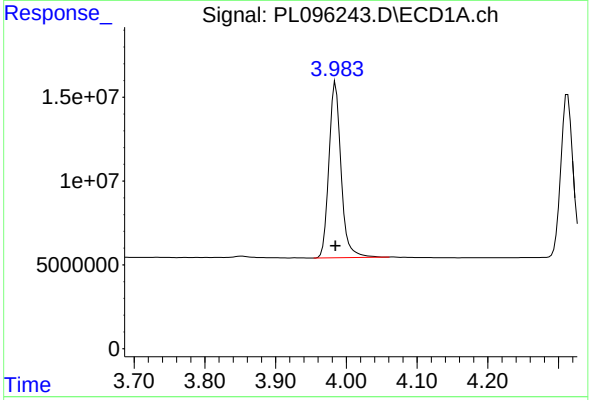
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 91131135
Conc: 25.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



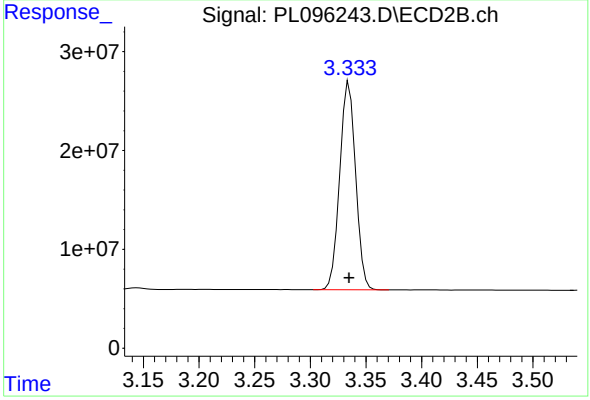
#1 Tetrachloro-m-xylene

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



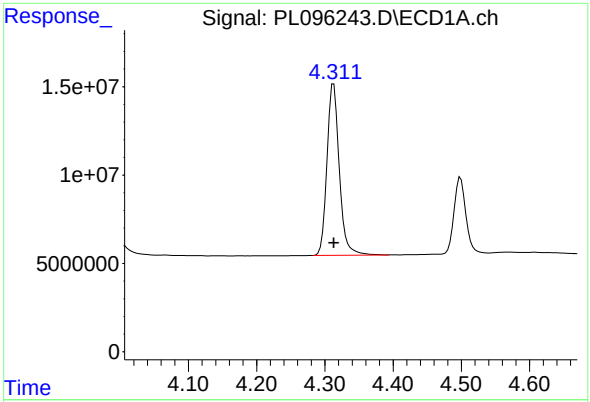
#2 alpha-BHC

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



#2 alpha-BHC

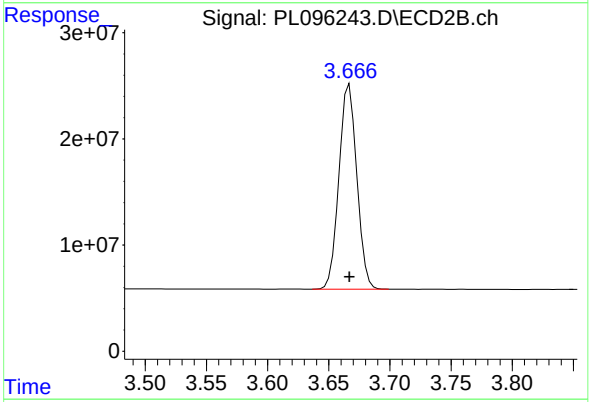
R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 209014460
Conc: 24.44 ng/ml



#3 gamma-BHC (Lindane)

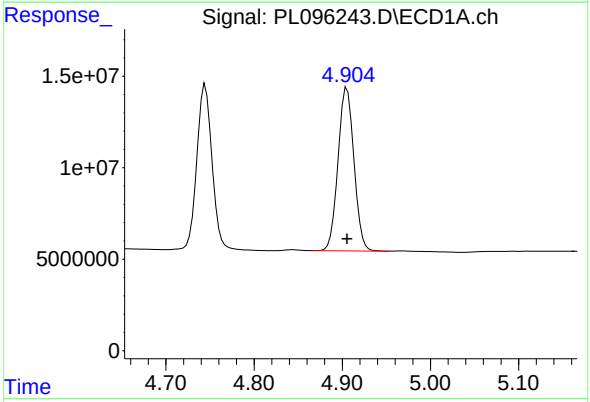
R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 121811219
Conc: 24.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



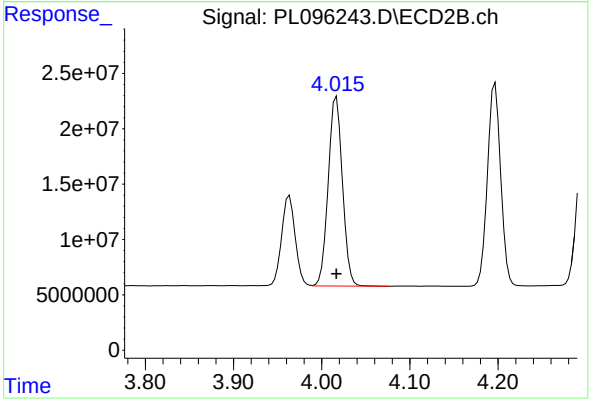
#3 gamma-BHC (Lindane)

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



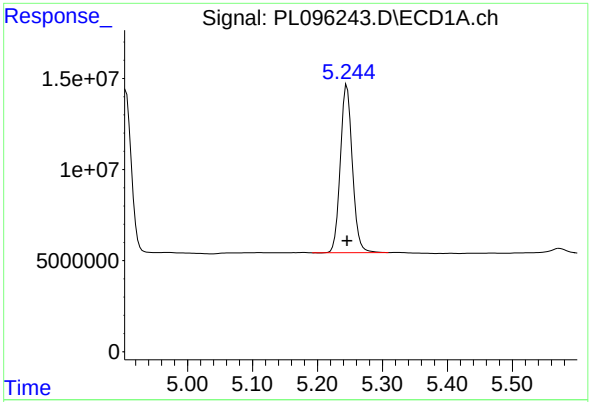
#4 Heptachlor

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



#4 Heptachlor

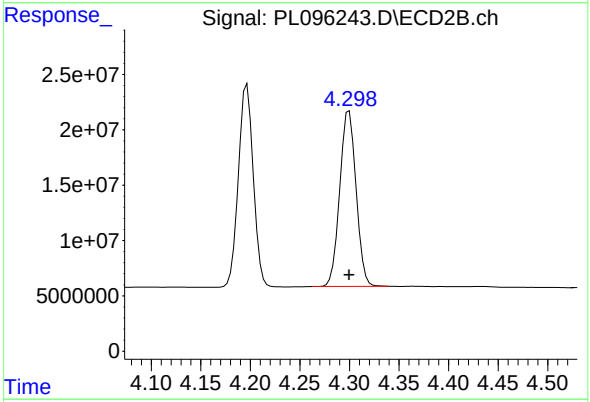
R.T.: 4.017 min
Delta R.T.: 0.000 min
Response: 191680190
Conc: 25.22 ng/ml



#5 Aldrin

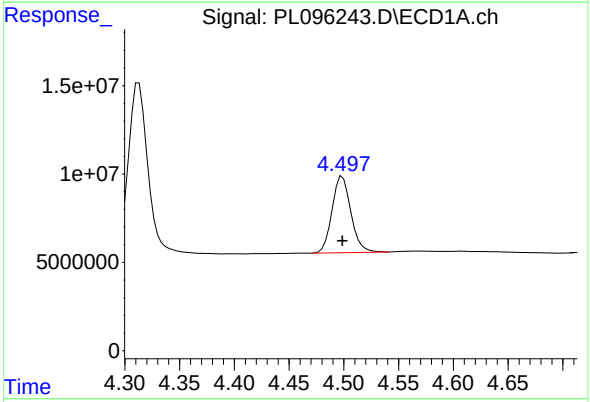
R.T.: 5.245 min
Delta R.T.: 0.000 min
Response: 118683013
Conc: 24.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



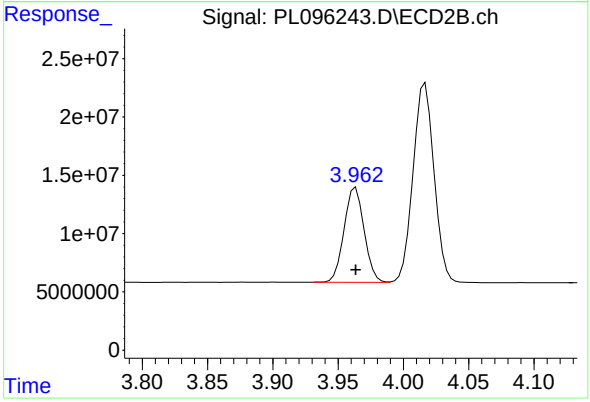
#5 Aldrin

R.T.: 4.300 min
Delta R.T.: 0.000 min
Response: 181901551
Conc: 24.85 ng/ml



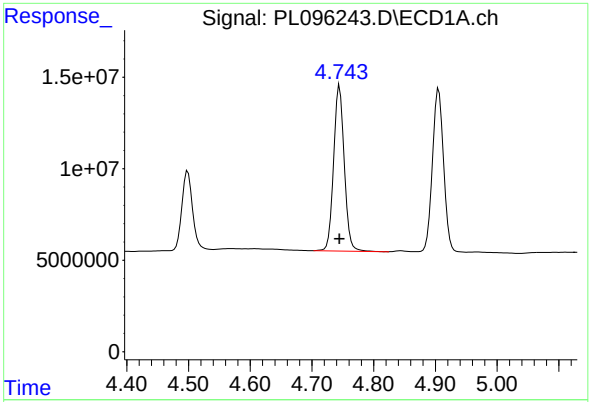
#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 51593189
Conc: 25.20 ng/ml



#6 beta-BHC

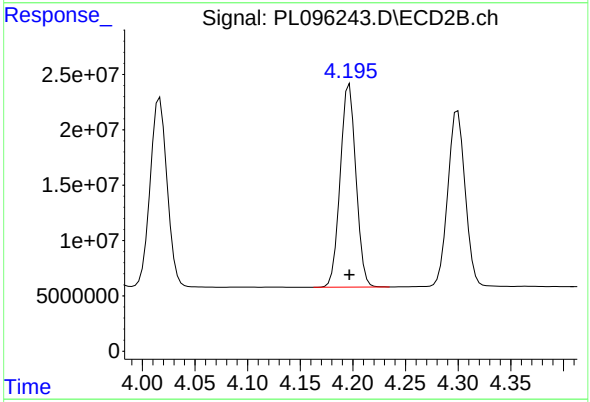
R.T.: 3.964 min
Delta R.T.: 0.000 min
Response: 86999189
Conc: 25.86 ng/ml



#7 delta-BHC

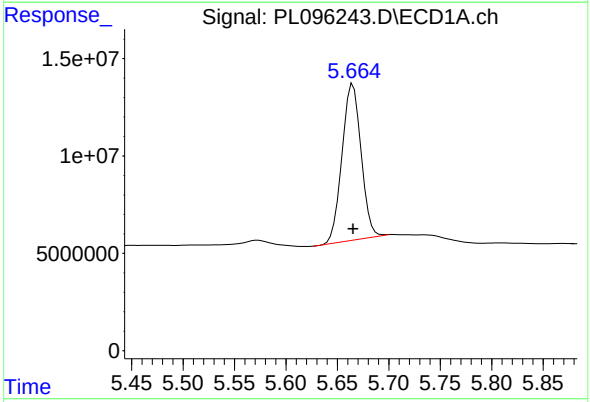
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 108668725
Conc: 23.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



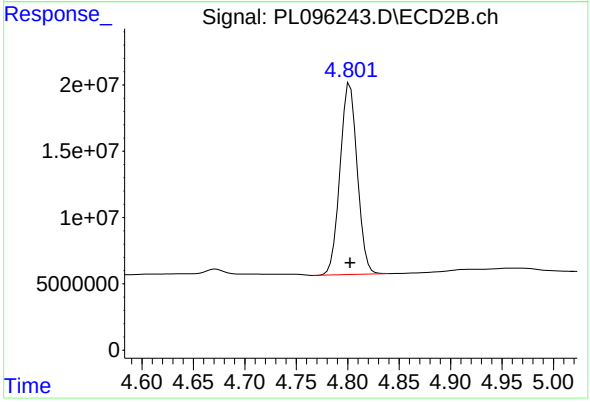
#7 delta-BHC

R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 191489716
Conc: 24.61 ng/ml



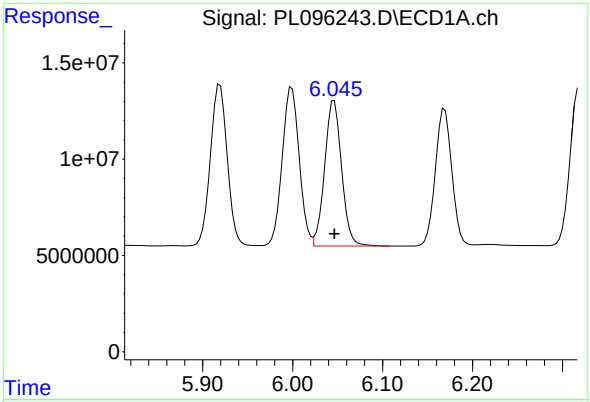
#8 Heptachlor epoxide

R.T.: 5.665 min
Delta R.T.: 0.000 min
Response: 104327998
Conc: 24.58 ng/ml



#8 Heptachlor epoxide

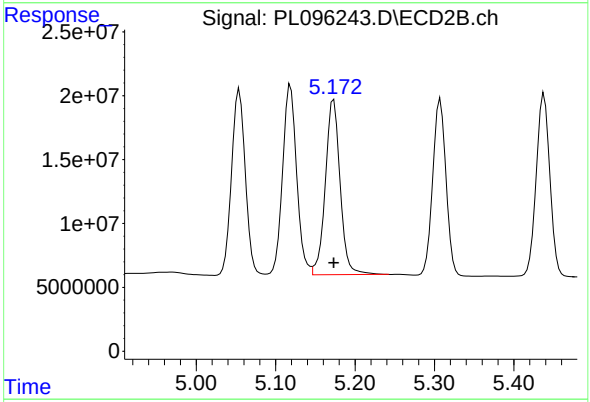
R.T.: 4.802 min
Delta R.T.: 0.000 min
Response: 168101653
Conc: 25.42 ng/ml



#9 Endosulfan I

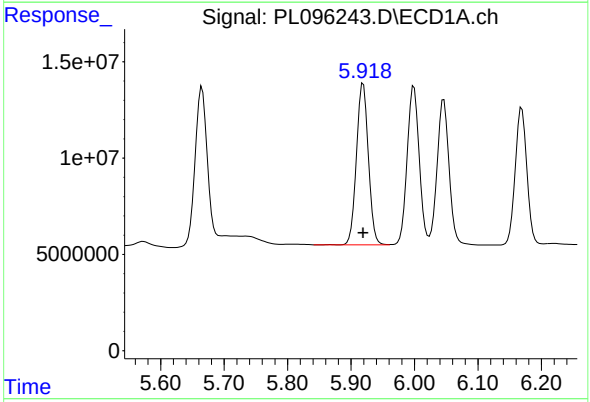
R.T.: 6.046 min
Delta R.T.: 0.000 min
Response: 99024442
Conc: 24.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



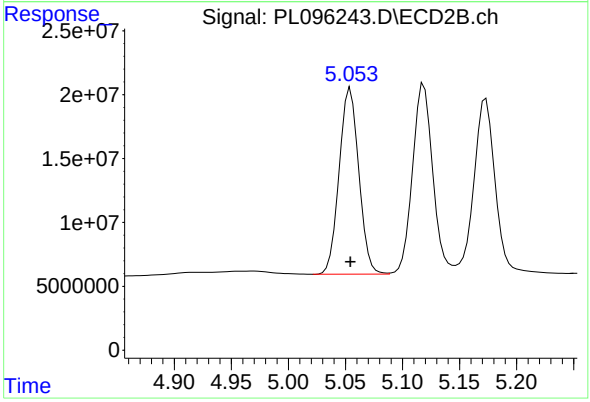
#9 Endosulfan I

R.T.: 5.173 min
Delta R.T.: 0.000 min
Response: 177299742
Conc: 26.92 ng/ml



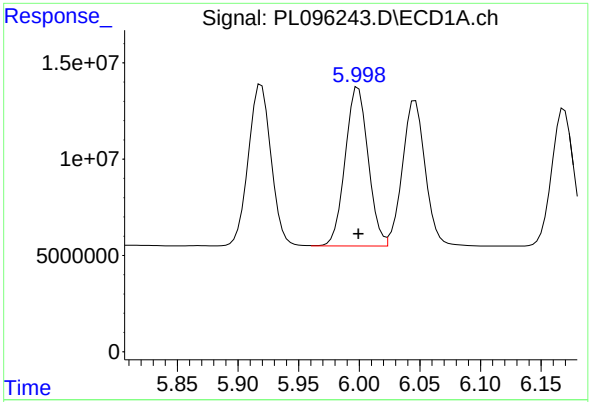
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 109411861
Conc: 24.77 ng/ml



#10 gamma-Chlordane

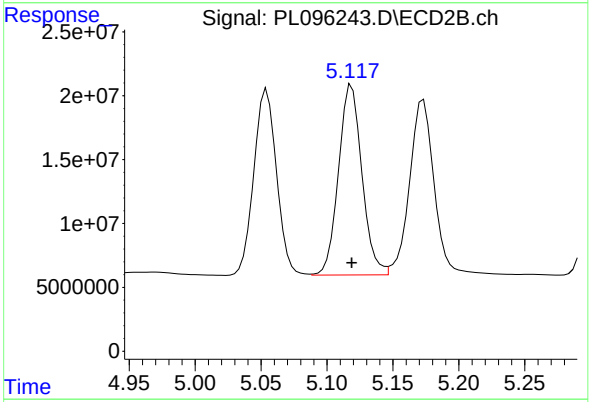
R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 174783686
Conc: 24.99 ng/ml



#11 alpha-Chlordane

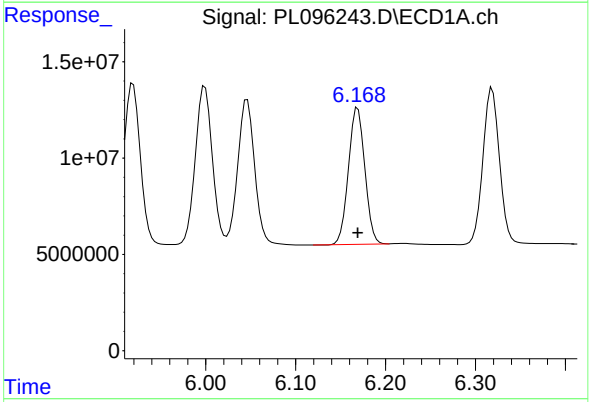
R.T.: 5.999 min
Delta R.T.: 0.000 min
Response: 108663198
Conc: 25.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



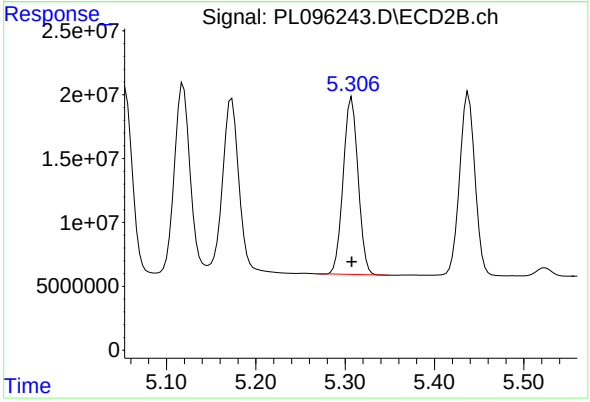
#11 alpha-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 184049107
Conc: 25.92 ng/ml



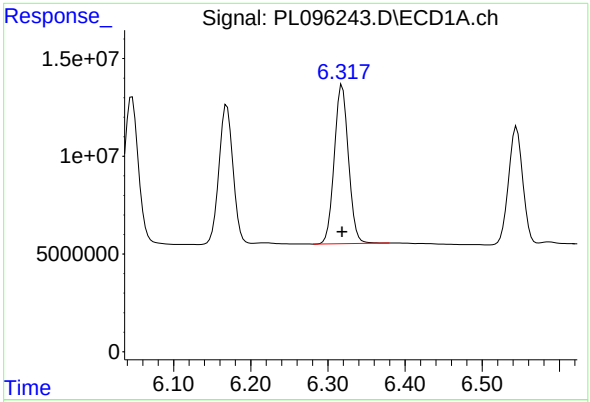
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 89563798
Conc: 24.09 ng/ml



#12 4,4'-DDE

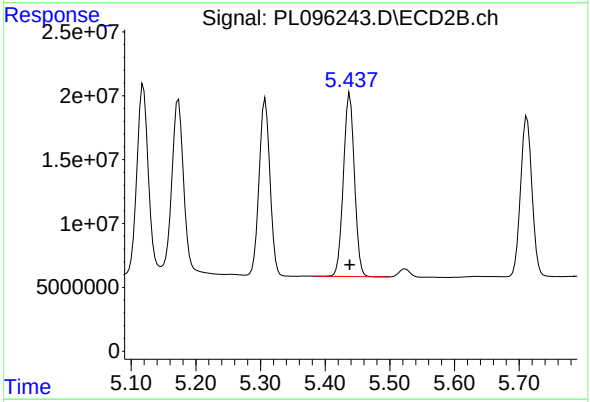
R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 160286767
Conc: 24.56 ng/ml



#13 Dieldrin

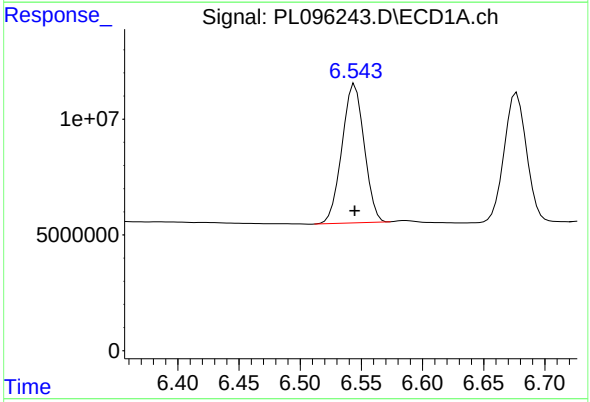
R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 103826097
Conc: 24.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



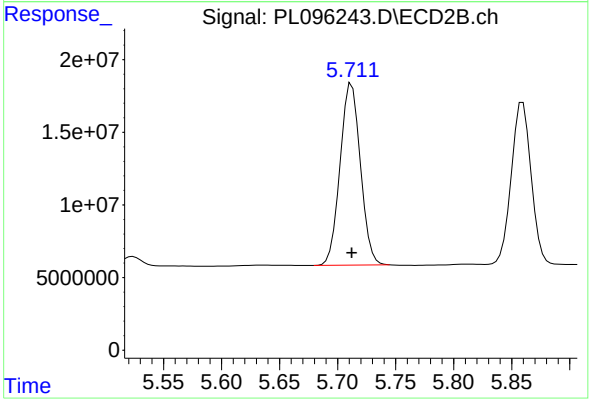
#13 Dieldrin

R.T.: 5.438 min
Delta R.T.: 0.000 min
Response: 170622291
Conc: 24.94 ng/ml



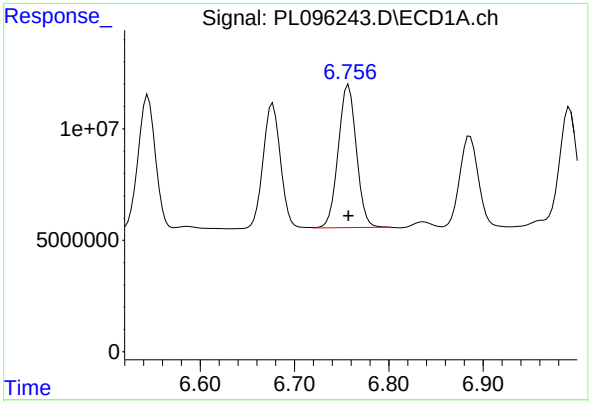
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 75881870
Conc: 24.16 ng/ml



#14 Endrin

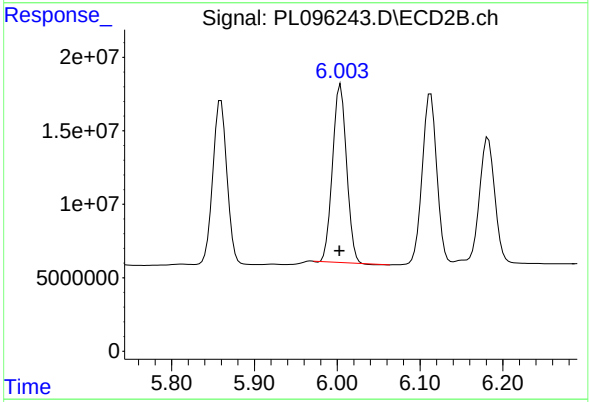
R.T.: 5.712 min
Delta R.T.: 0.000 min
Response: 152630829
Conc: 25.03 ng/ml



#15 Endosulfan II

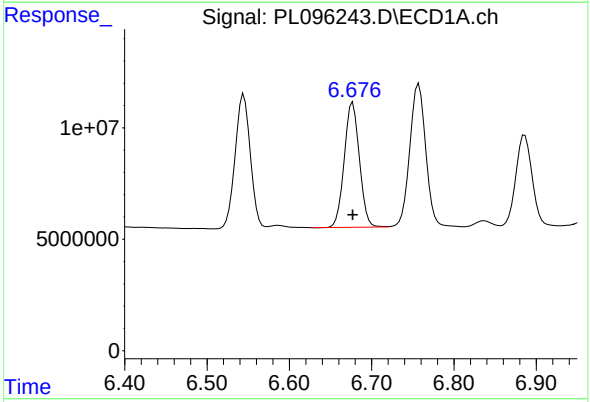
R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 85668436
Conc: 25.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



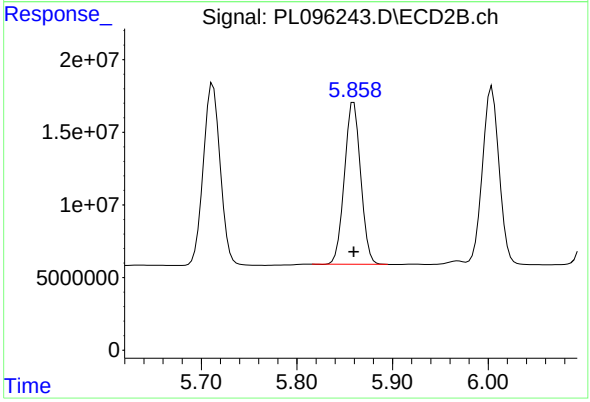
#15 Endosulfan II

R.T.: 6.004 min
Delta R.T.: 0.001 min
Response: 142425528
Conc: 24.53 ng/ml



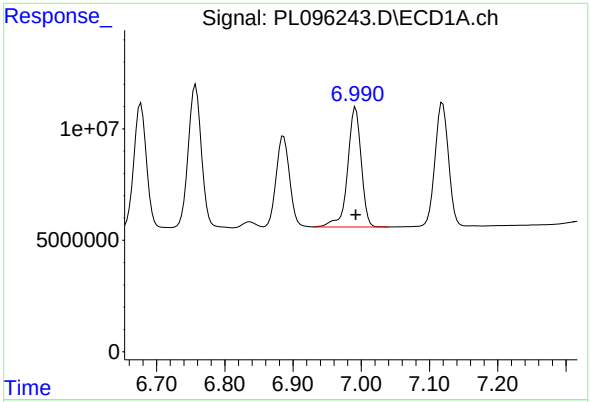
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 71650668
Conc: 24.60 ng/ml



#16 4,4'-DDD

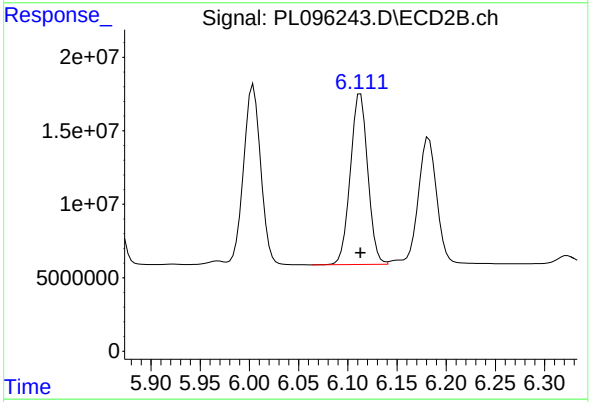
R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 132181861
Conc: 25.19 ng/ml



#17 4,4'-DDT

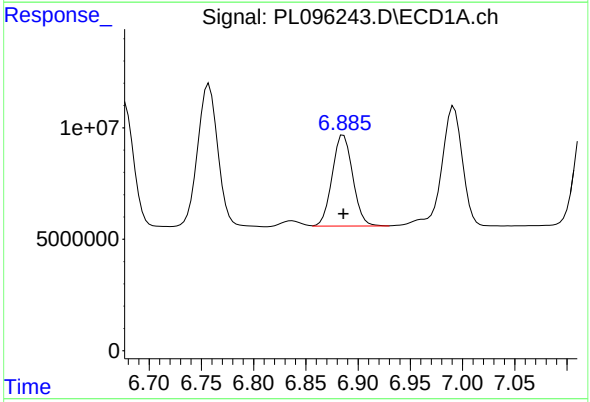
R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 74288680
Conc: 24.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



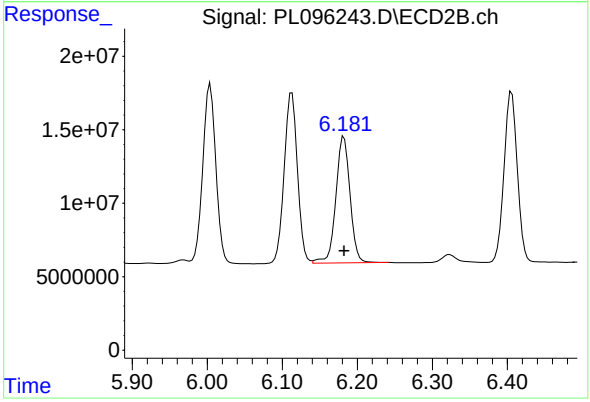
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 143037007
Conc: 24.75 ng/ml



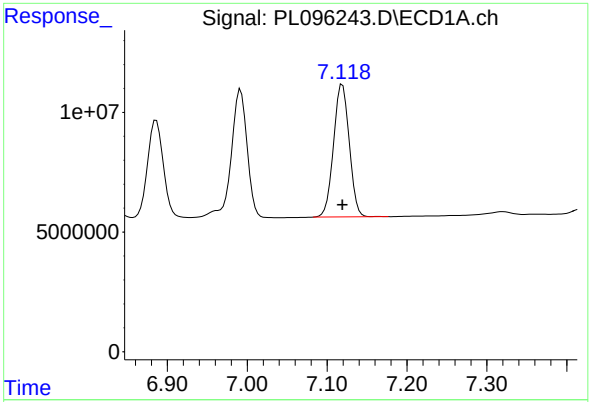
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 55834732
Conc: 25.29 ng/ml



#18 Endrin aldehyde

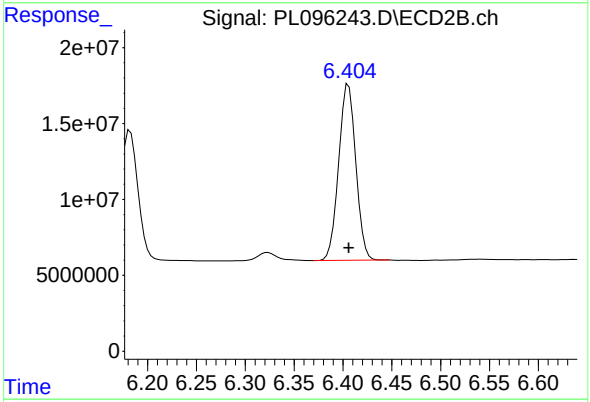
R.T.: 6.182 min
Delta R.T.: 0.000 min
Response: 113086713
Conc: 26.64 ng/ml



#19 Endosulfan Sulfate

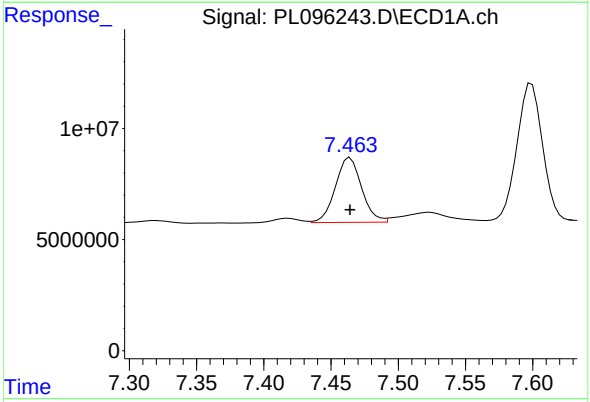
R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 75807591
Conc: 24.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



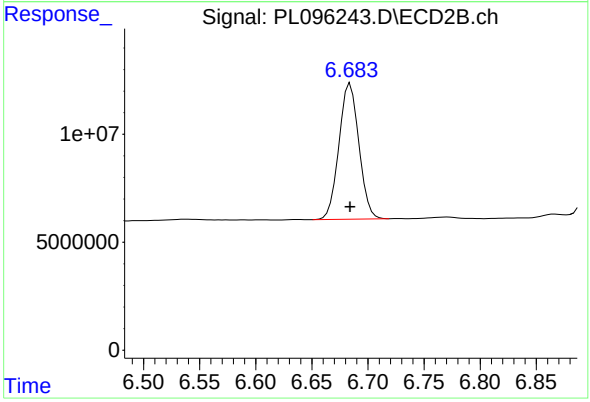
#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 141876171
Conc: 25.51 ng/ml



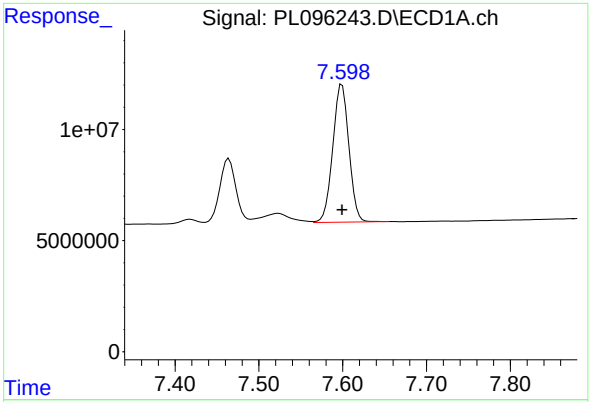
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 39522332
Conc: 25.77 ng/ml



#20 Methoxychlor

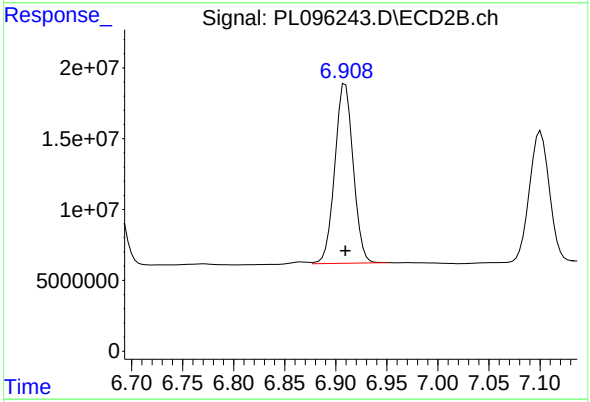
R.T.: 6.684 min
Delta R.T.: 0.000 min
Response: 77835403
Conc: 25.98 ng/ml



#21 Endrin ketone

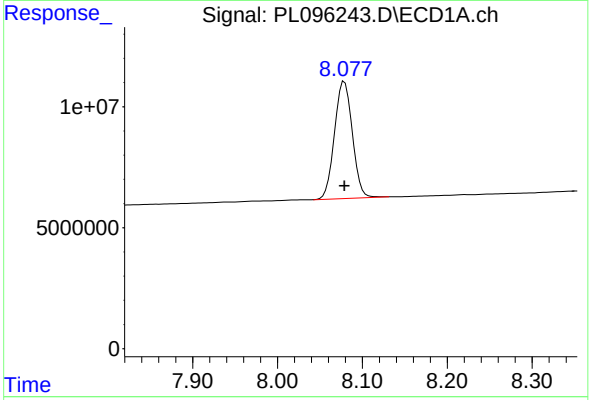
R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 82764438
Conc: 25.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



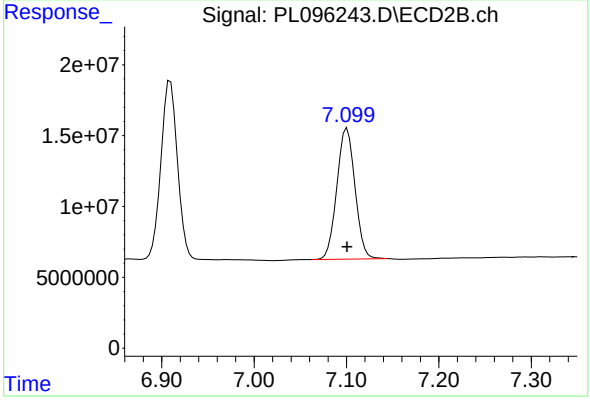
#21 Endrin ketone

R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 158785412
Conc: 25.65 ng/ml



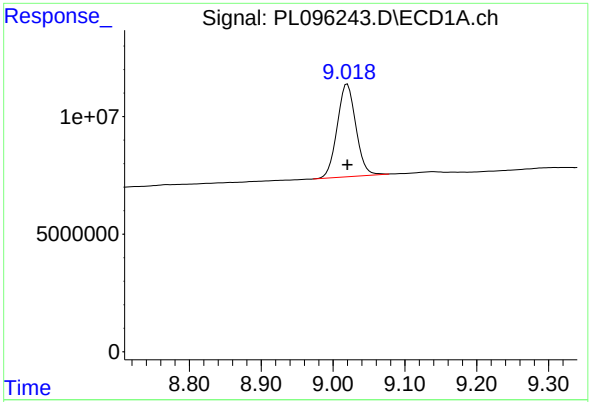
#22 Mirex

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 70613541
Conc: 25.85 ng/ml



#22 Mirex

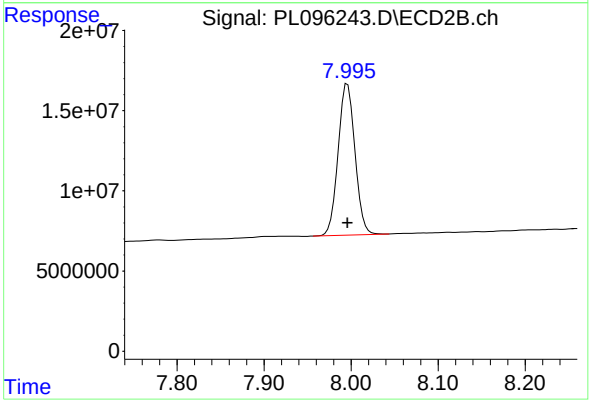
R.T.: 7.101 min
Delta R.T.: 0.000 min
Response: 126125125
Conc: 26.19 ng/ml



#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	

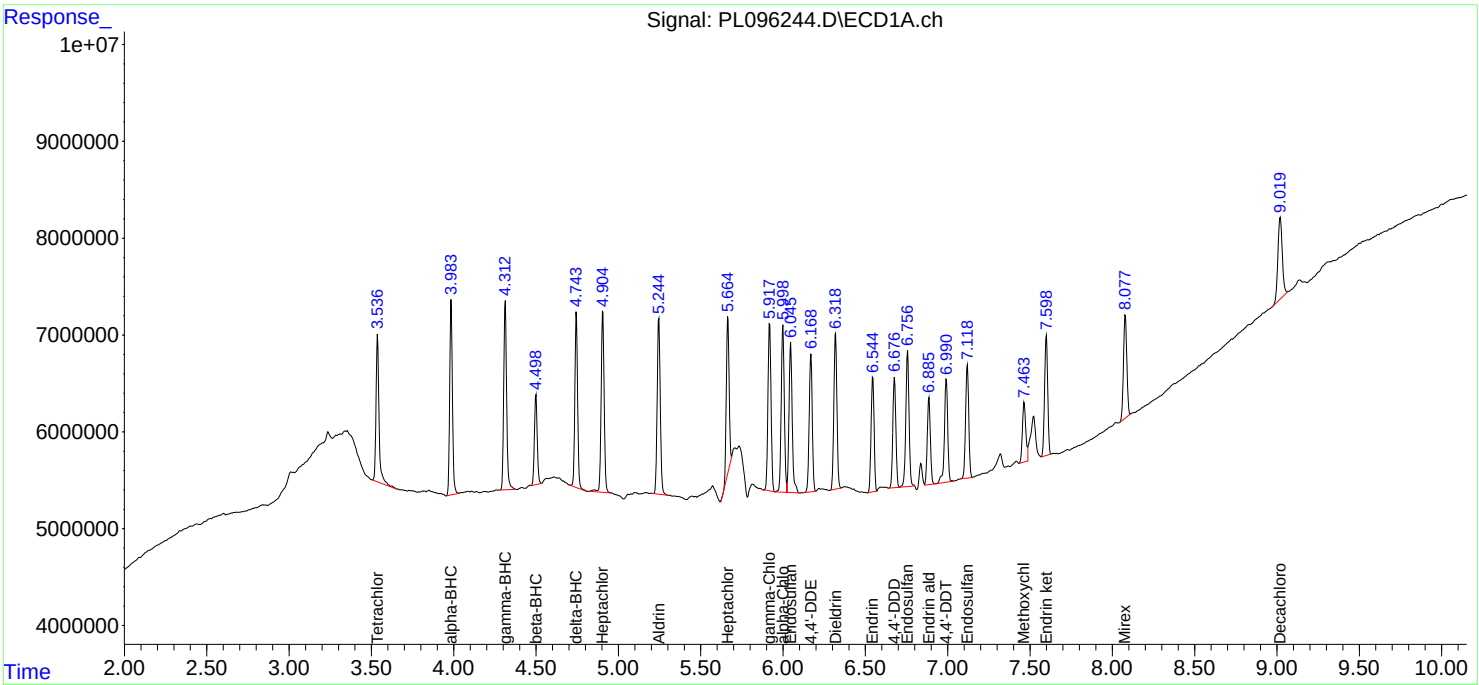
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

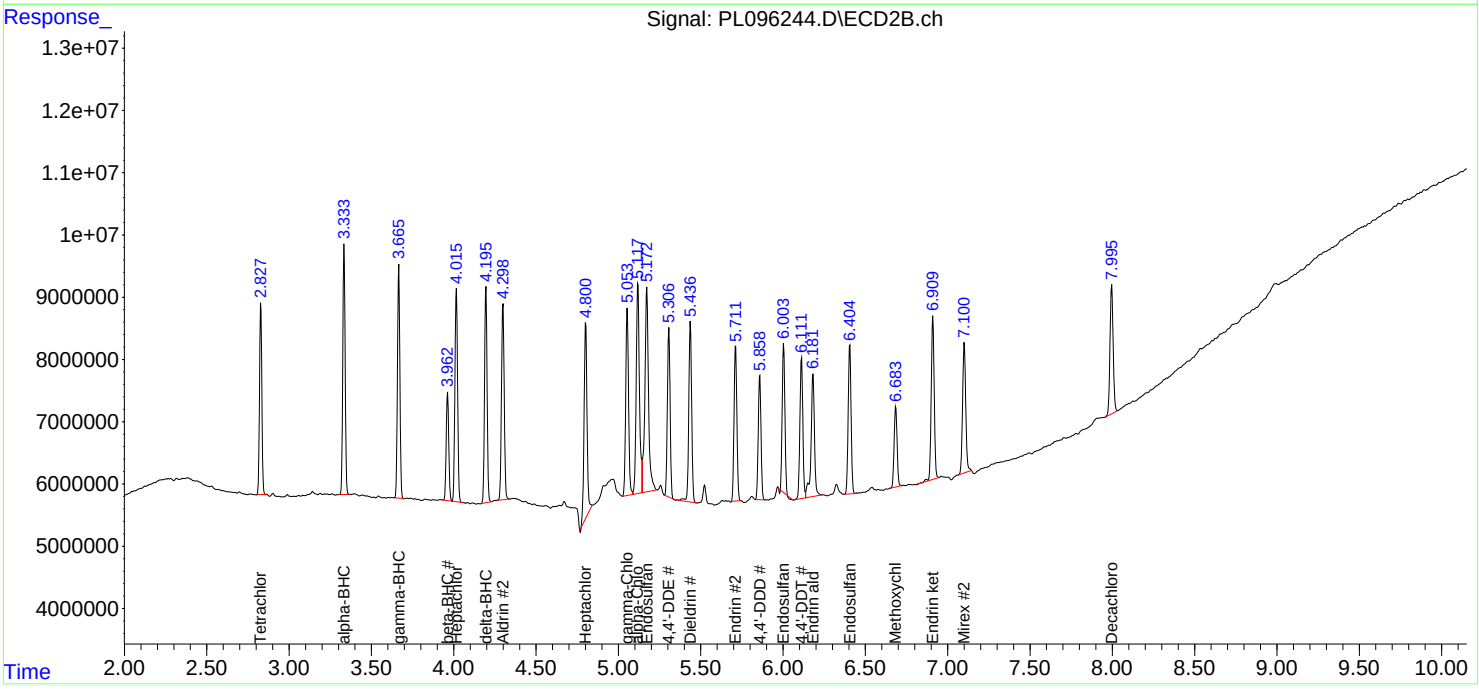
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096244.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:49
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

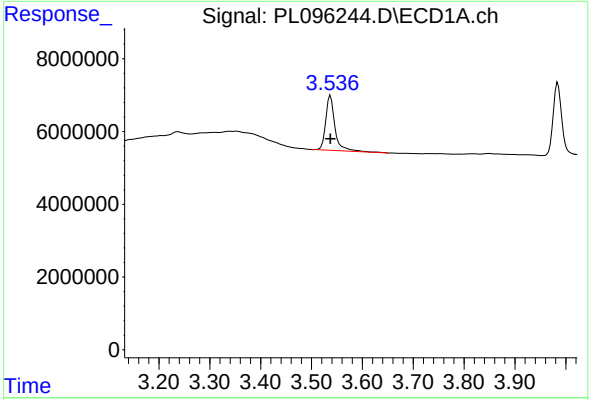
Instrument :
ECD_L
ClientSampleId :
PSTDICC005

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



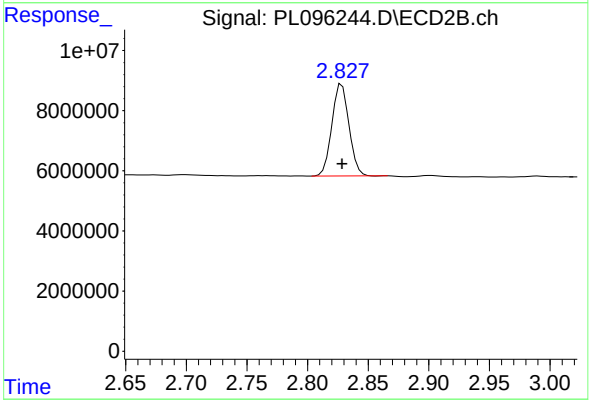




#1 Tetrachloro-m-xylene

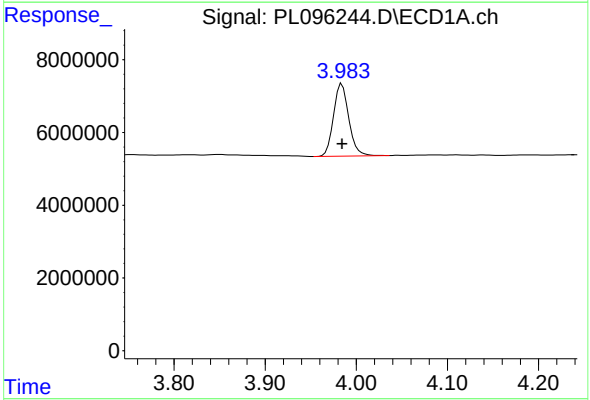
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 19025537
Conc: 5.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



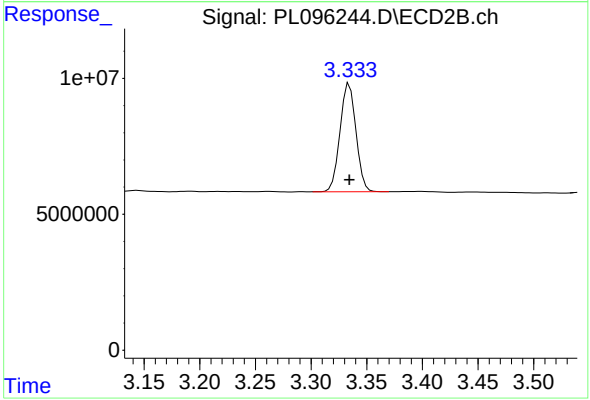
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 29948633
Conc: 5.19 ng/ml



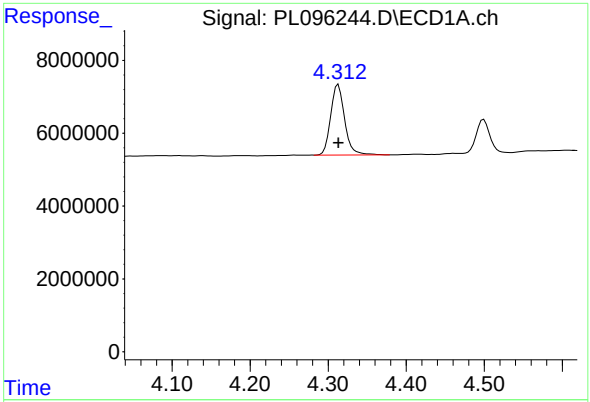
#2 alpha-BHC

R.T.: 3.984 min
Delta R.T.: 0.000 min
Response: 23234160
Conc: 4.52 ng/ml



#2 alpha-BHC

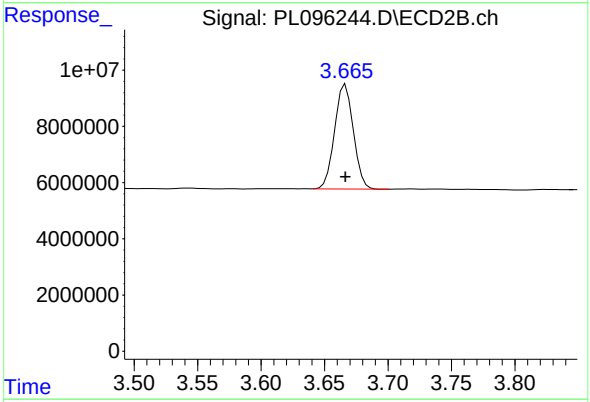
R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 39797350
Conc: 4.72 ng/ml



#3 gamma-BHC (Lindane)

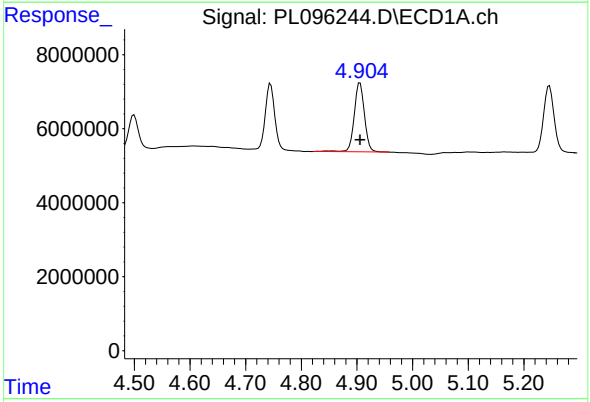
R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 24037524
Conc: 4.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



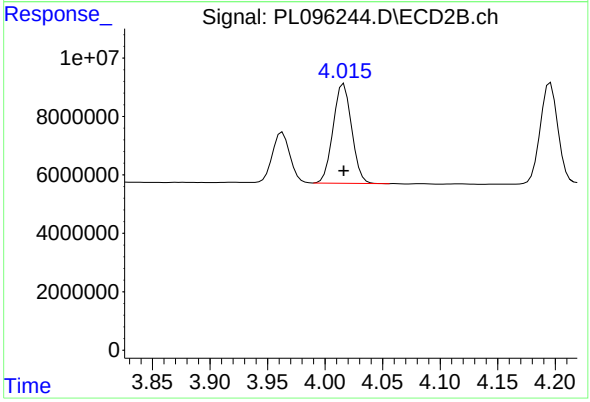
#3 gamma-BHC (Lindane)

R.T.: 3.667 min
Delta R.T.: 0.000 min
Response: 38230859
Conc: 4.85 ng/ml



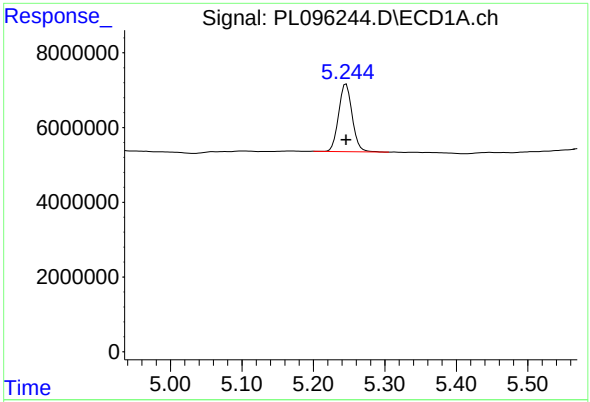
#4 Heptachlor

R.T.: 4.905 min
Delta R.T.: 0.000 min
Response: 24009255
Conc: 5.24 ng/ml



#4 Heptachlor

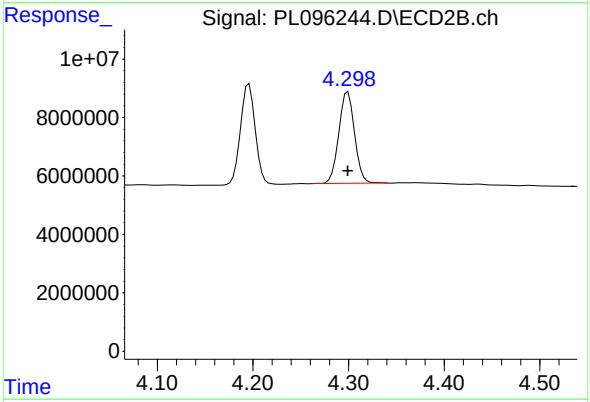
R.T.: 4.016 min
Delta R.T.: 0.000 min
Response: 38216999
Conc: 5.02 ng/ml



#5 Aldrin

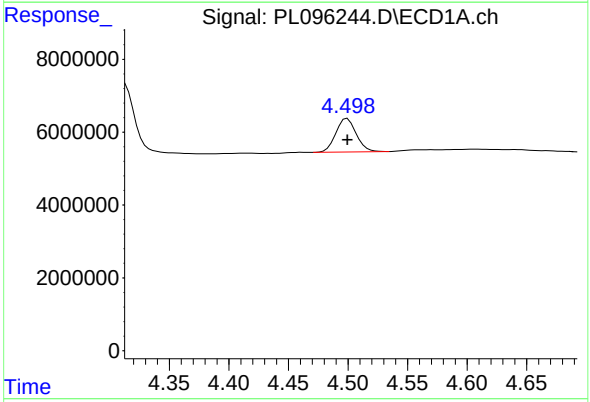
R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 23850765
Conc: 4.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



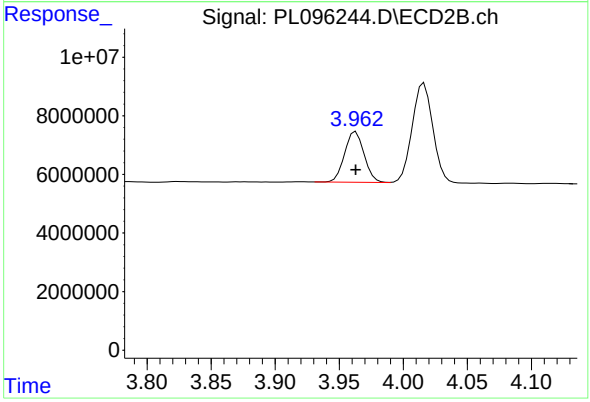
#5 Aldrin

R.T.: 4.299 min
Delta R.T.: 0.000 min
Response: 35971559
Conc: 4.93 ng/ml



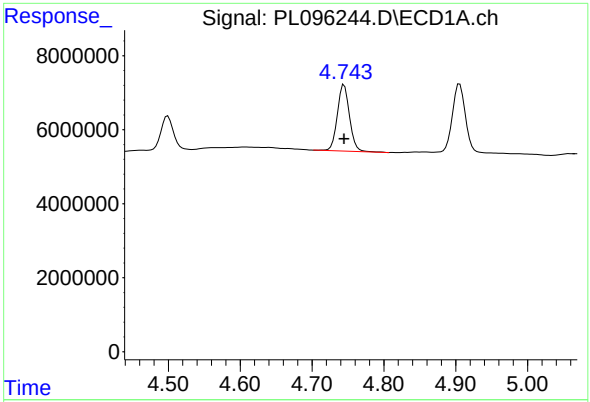
#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 11025016
Conc: 5.30 ng/ml



#6 beta-BHC

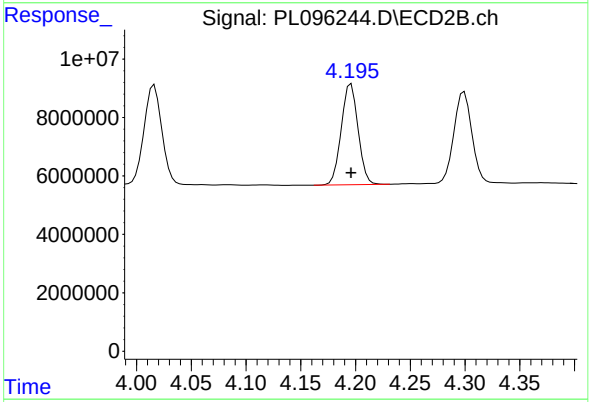
R.T.: 3.963 min
Delta R.T.: 0.000 min
Response: 18322787
Conc: 5.35 ng/ml



#7 delta-BHC

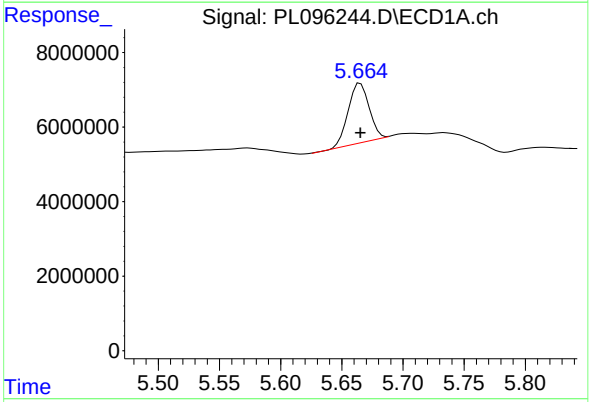
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 21146545
Conc: 4.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



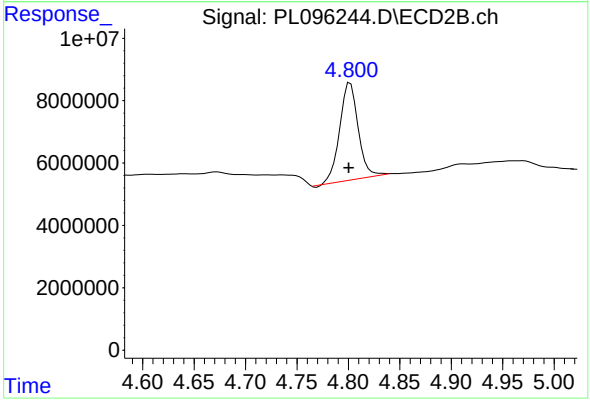
#7 delta-BHC

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 36946663
Conc: 4.80 ng/ml



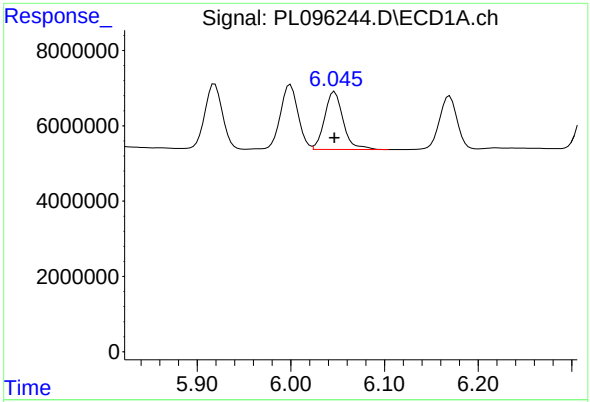
#8 Heptachlor epoxide

R.T.: 5.665 min
Delta R.T.: 0.000 min
Response: 18852553
Conc: 4.54 ng/ml



#8 Heptachlor epoxide

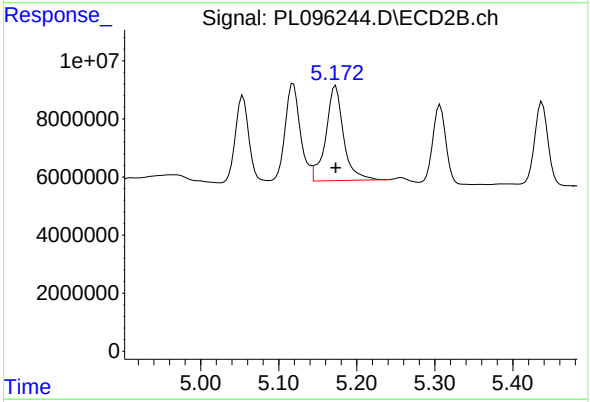
R.T.: 4.802 min
Delta R.T.: 0.001 min
Response: 39492717
Conc: 5.90 ng/ml



#9 Endosulfan I

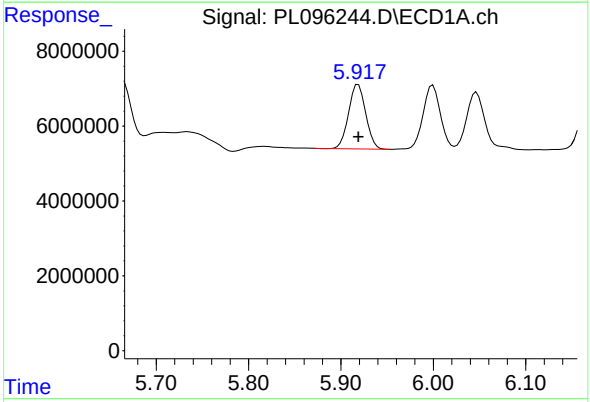
R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 21120955
Conc: 5.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



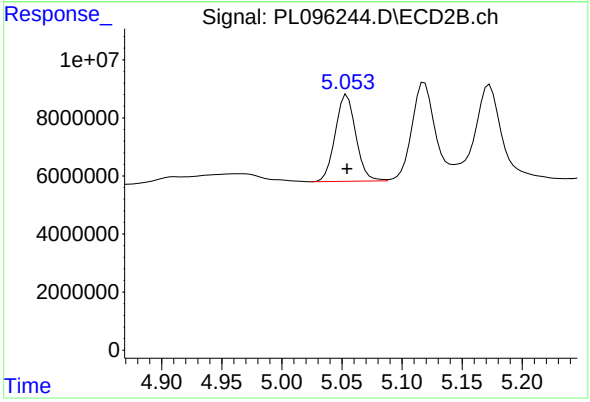
#9 Endosulfan I

R.T.: 5.173 min
Delta R.T.: 0.000 min
Response: 51672123
Conc: 7.04 ng/ml



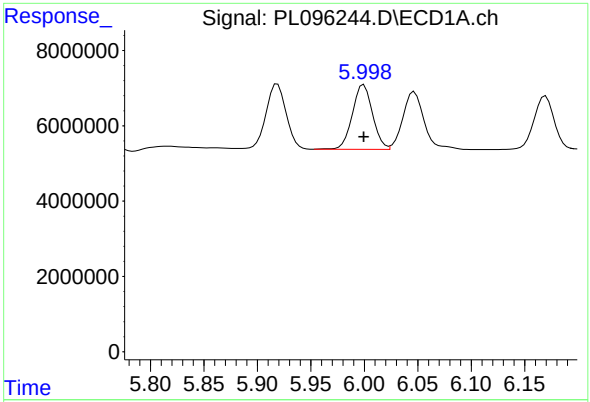
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 22271617
Conc: 5.03 ng/ml



#10 gamma-Chlordane

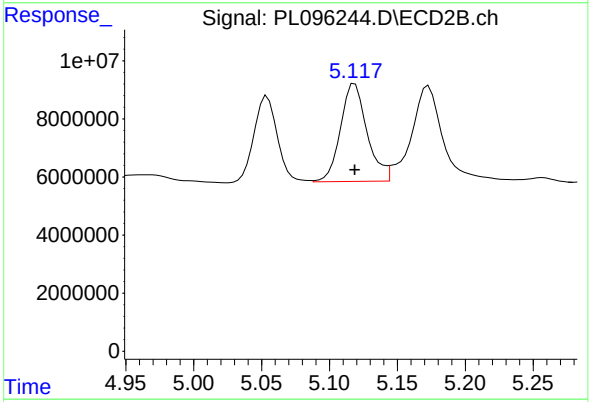
R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 35604780
Conc: 5.07 ng/ml



#11 alpha-Chlordane

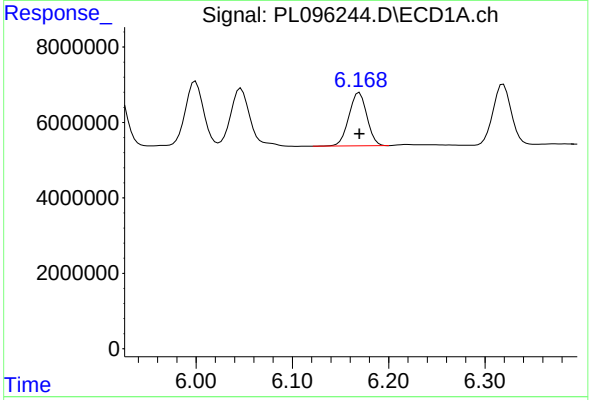
R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 22538956
Conc: 5.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



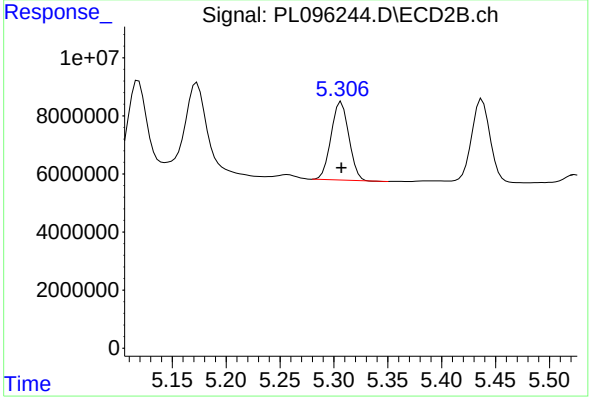
#11 alpha-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 45965555
Conc: 6.11 ng/ml



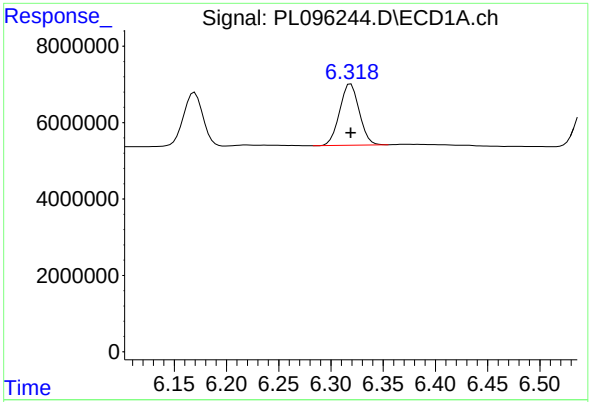
#12 4,4'-DDE

R.T.: 6.170 min
Delta R.T.: 0.000 min
Response: 18320455
Conc: 4.94 ng/ml



#12 4,4'-DDE

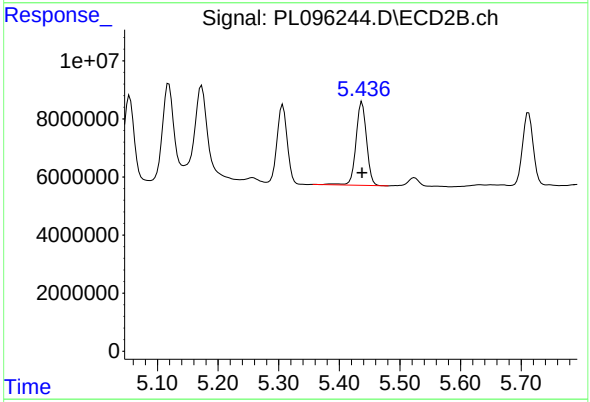
R.T.: 5.307 min
Delta R.T.: 0.000 min
Response: 30737055
Conc: 4.77 ng/ml



#13 Dieldrin

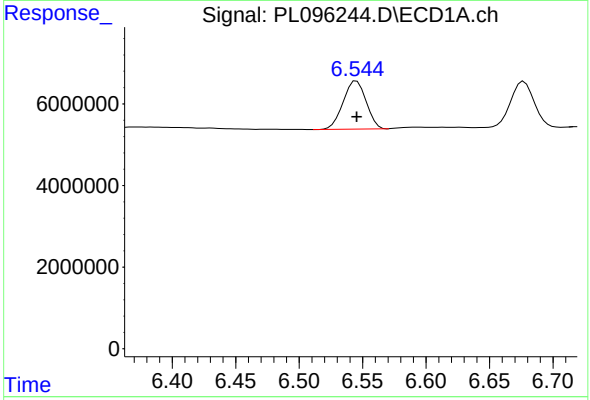
R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 20962161
Conc: 4.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



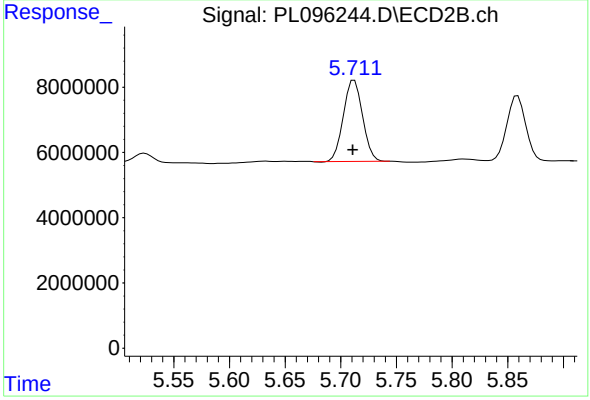
#13 Dieldrin

R.T.: 5.437 min
Delta R.T.: 0.000 min
Response: 34880035
Conc: 5.08 ng/ml



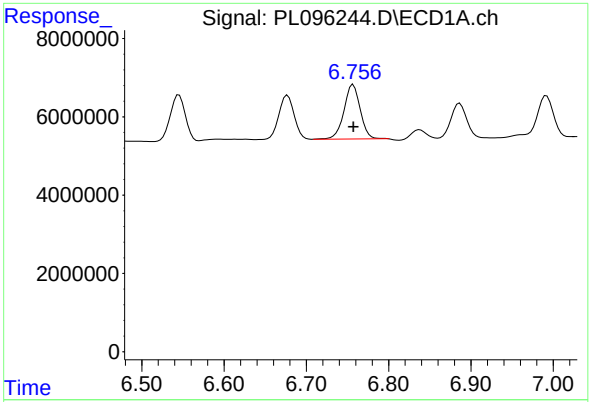
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 14943290
Conc: 4.80 ng/ml



#14 Endrin

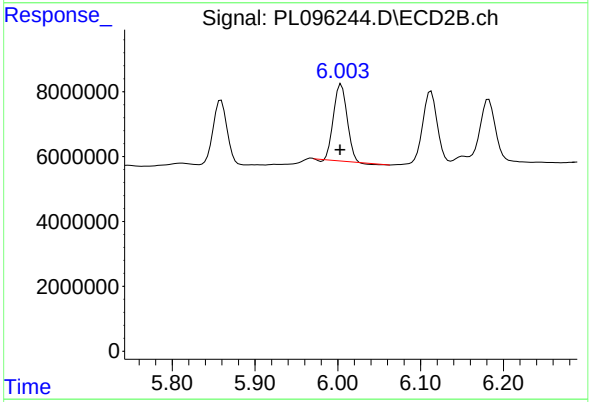
R.T.: 5.712 min
Delta R.T.: 0.001 min
Response: 29936643
Conc: 4.92 ng/ml



#15 Endosulfan II

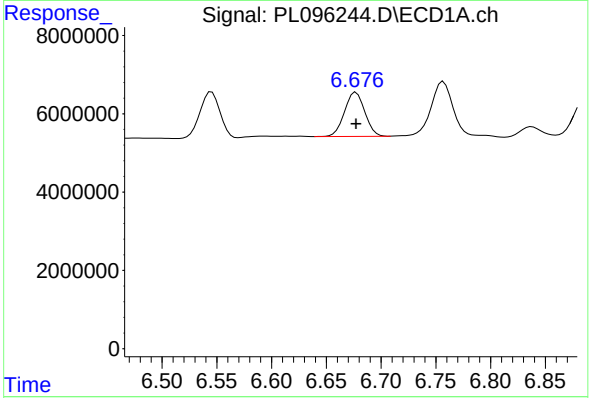
R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 19106695
Conc: 5.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



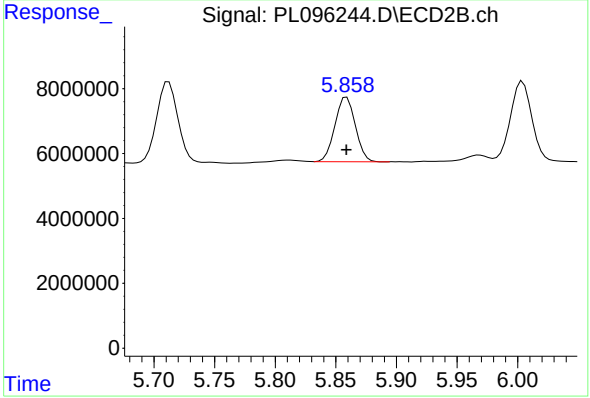
#15 Endosulfan II

R.T.: 6.004 min
Delta R.T.: 0.001 min
Response: 26781273
Conc: 4.57 ng/ml



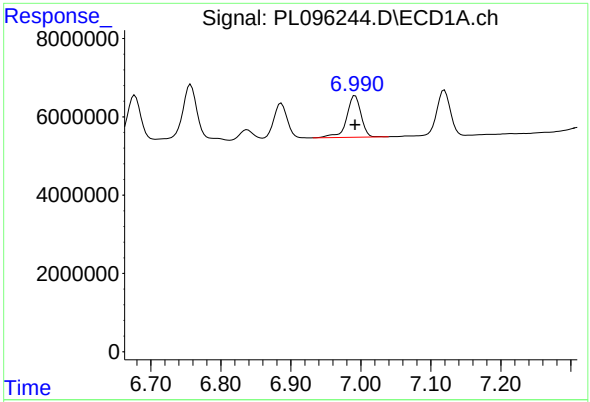
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 14539958
Conc: 4.99 ng/ml



#16 4,4'-DDD

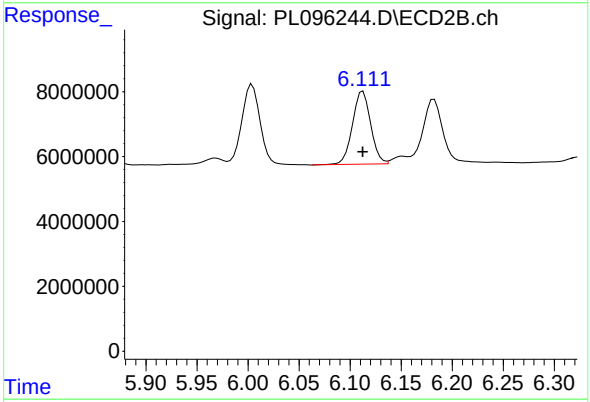
R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 23257862
Conc: 4.53 ng/ml



#17 4,4'-DDT

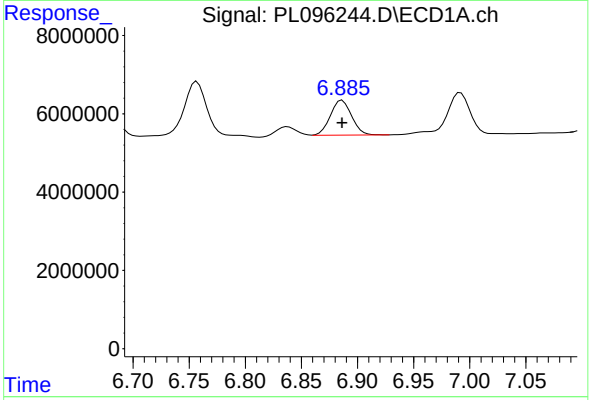
R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 15148387
Conc: 4.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



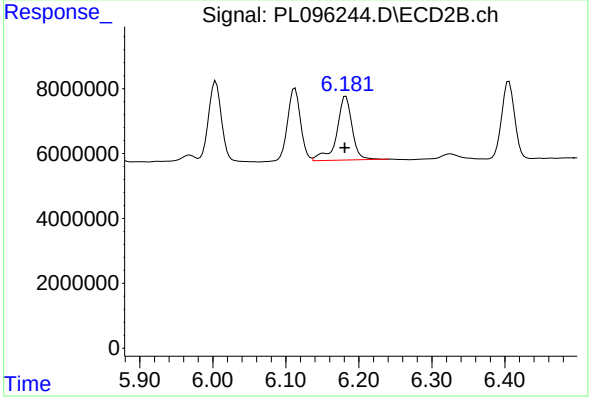
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 27808893
Conc: 4.85 ng/ml



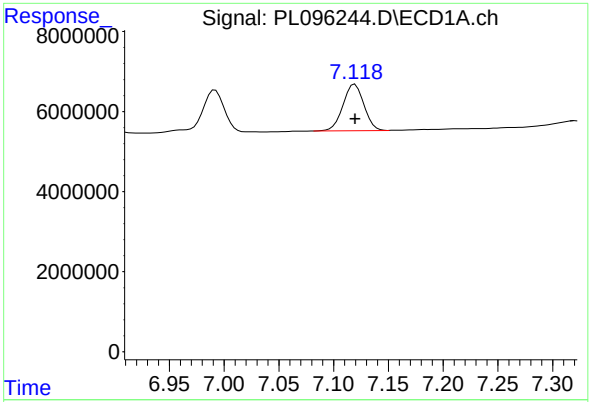
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 11735349
Conc: 5.25 ng/ml



#18 Endrin aldehyde

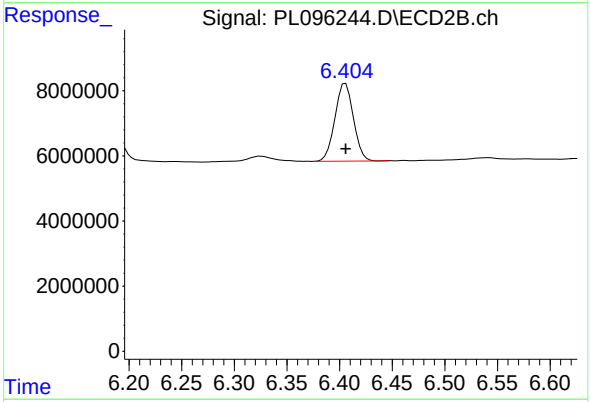
R.T.: 6.182 min
Delta R.T.: 0.001 min
Response: 28904097
Conc: 6.49 ng/ml



#19 Endosulfan Sulfate

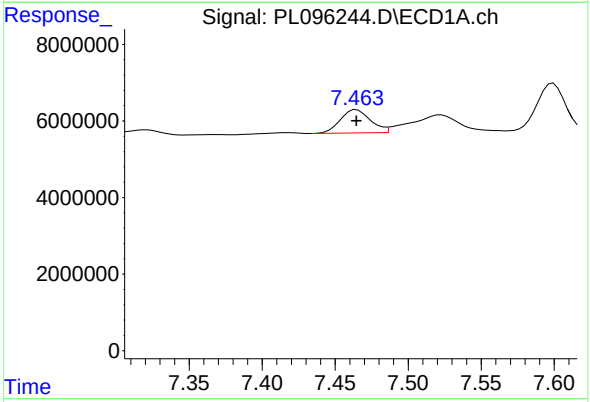
R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 15445201
Conc: 5.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



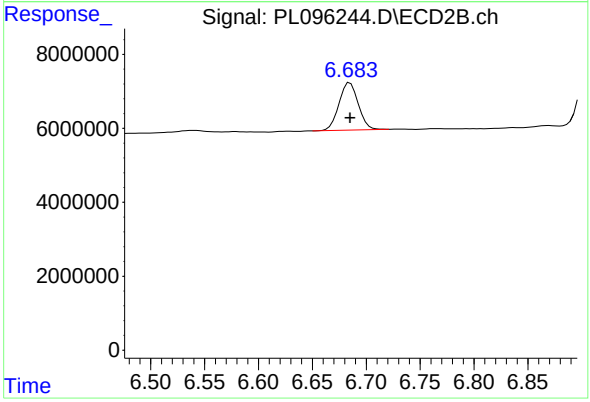
#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 29371565
Conc: 5.22 ng/ml



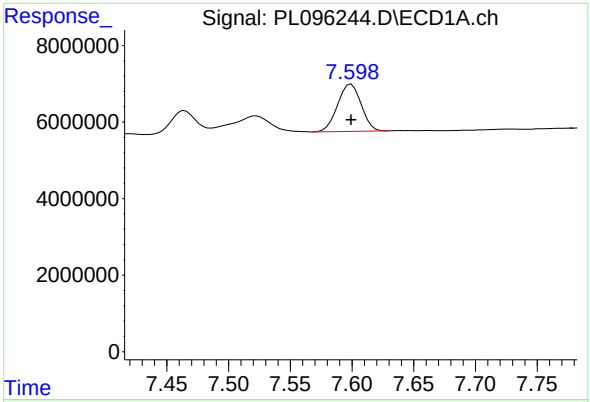
#20 Methoxychlor

R.T.: 7.465 min
Delta R.T.: 0.000 min
Response: 8712032
Conc: 5.53 ng/ml



#20 Methoxychlor

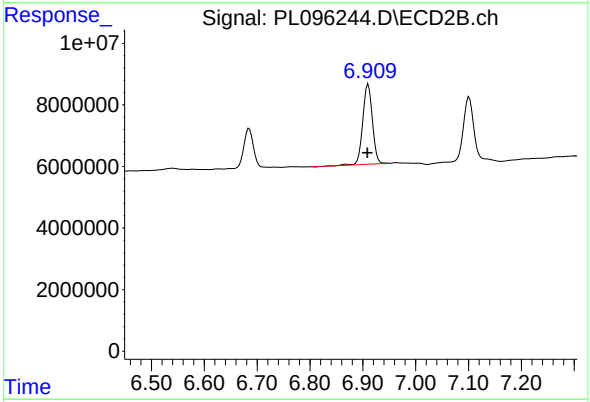
R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 16026571
Conc: 5.28 ng/ml



#21 Endrin ketone

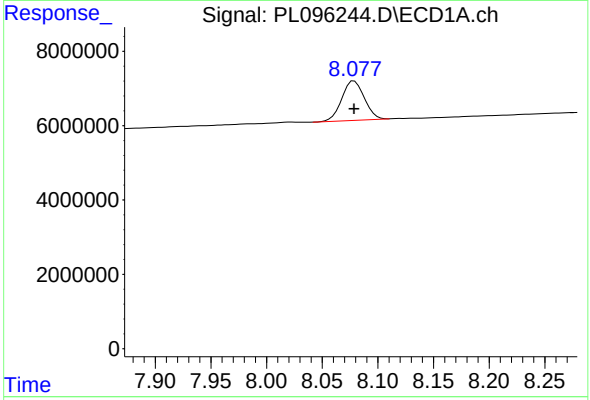
R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 16421079
Conc: 4.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



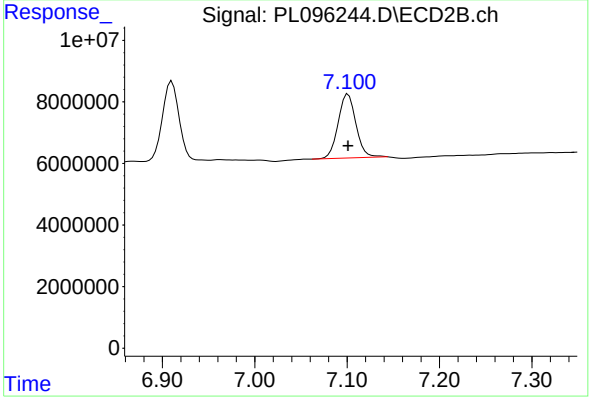
#21 Endrin ketone

R.T.: 6.910 min
Delta R.T.: 0.001 min
Response: 33217217
Conc: 5.31 ng/ml



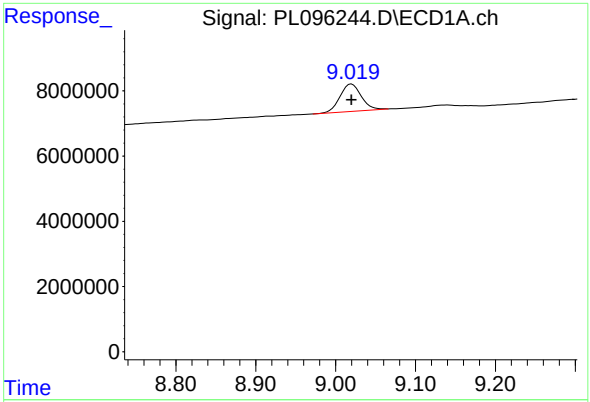
#22 Mirex

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 14920931
Conc: 5.36 ng/ml



#22 Mirex

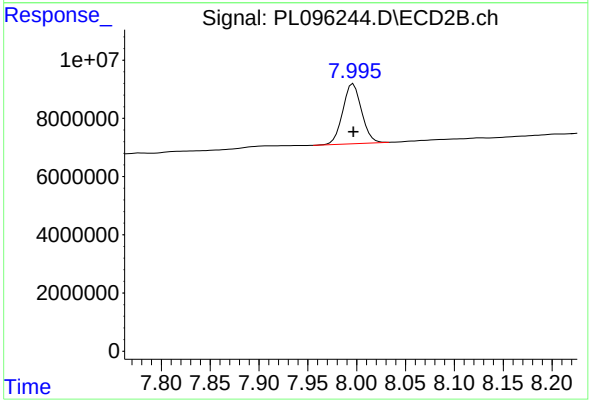
R.T.: 7.101 min
Delta R.T.: 0.000 min
Response: 27895605
Conc: 5.61 ng/ml



#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	#

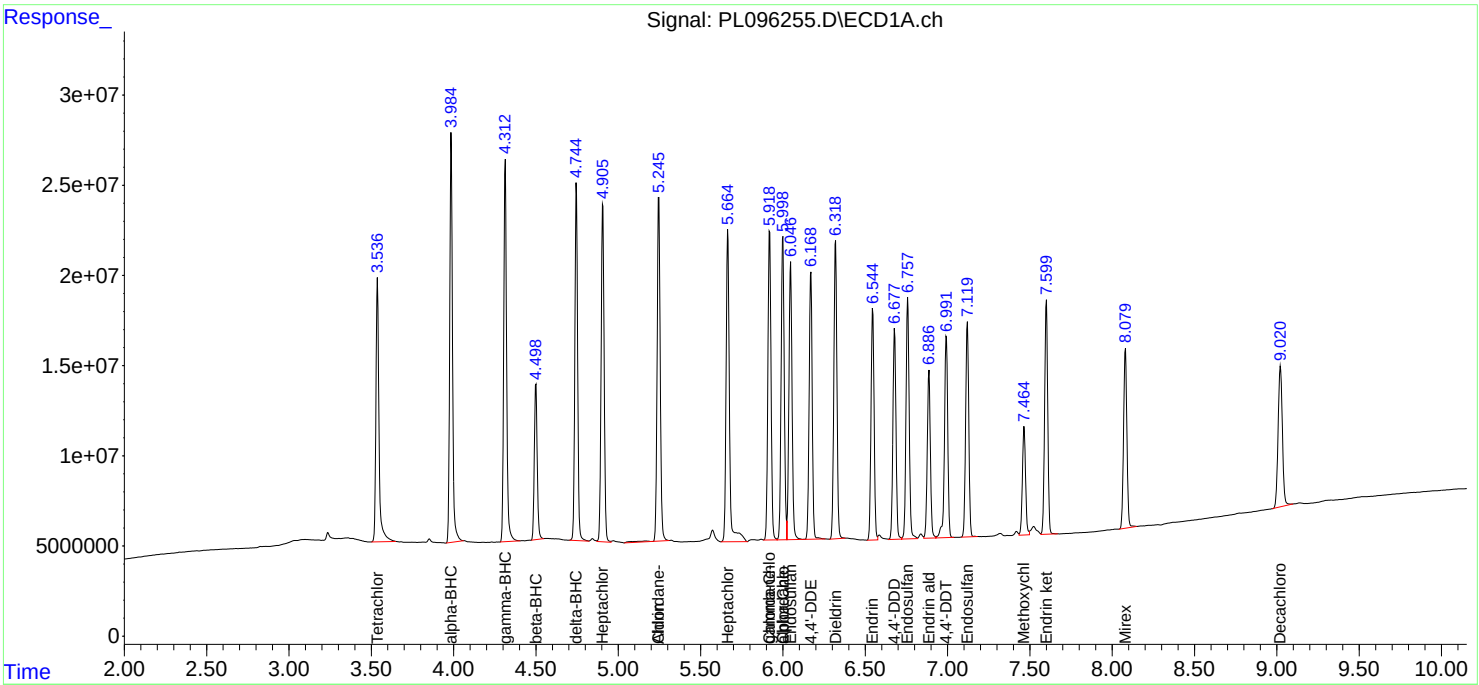
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

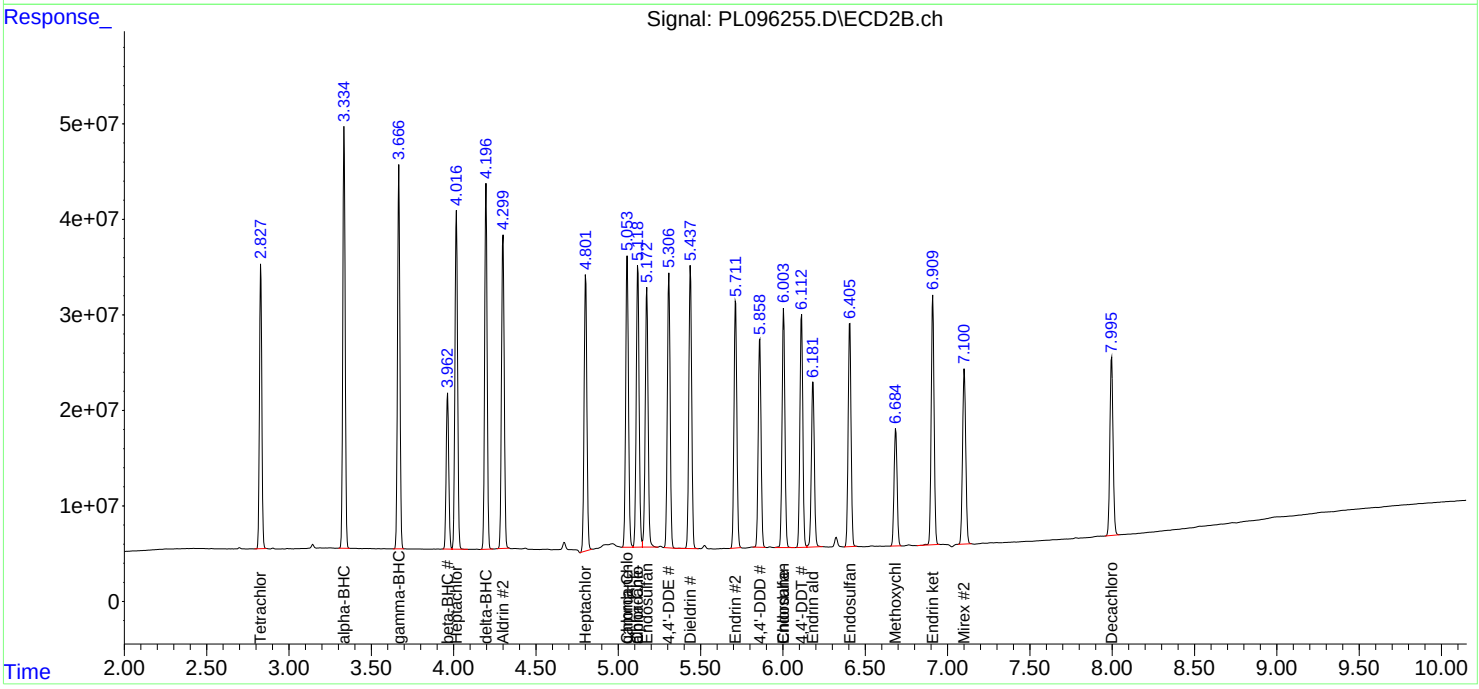
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070725\
Data File : PL096255.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 14:19
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

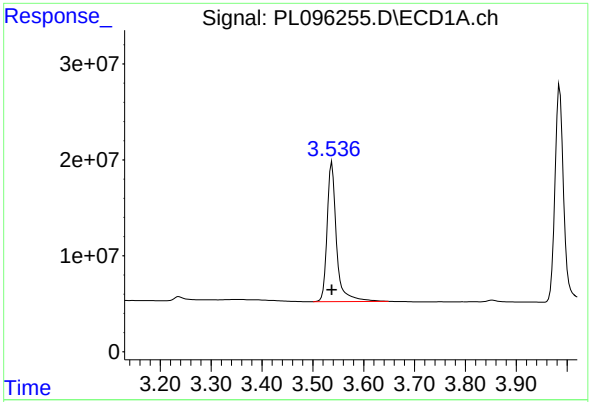
Instrument :
ECD_L
ClientSampleId :
ICVPL070725

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



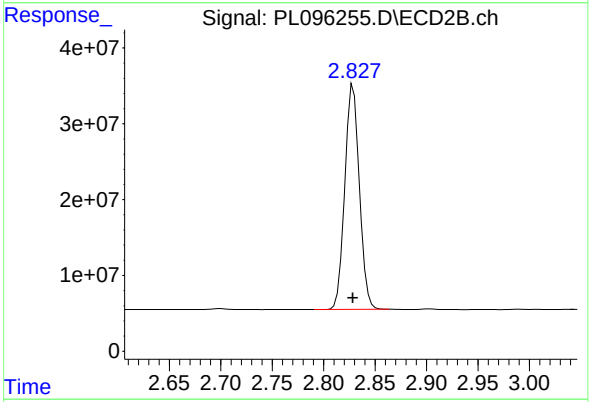




#1 Tetrachloro-m-xylene

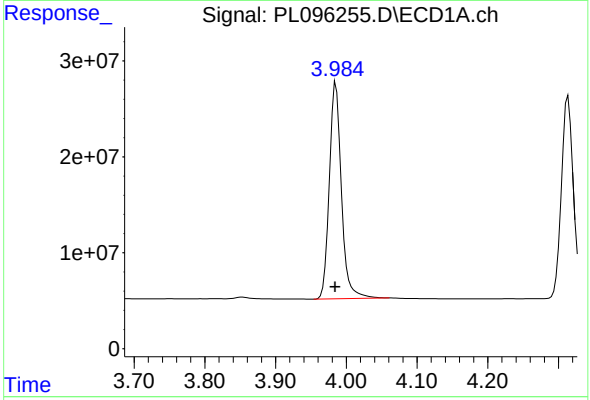
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 186539650
Conc: 51.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



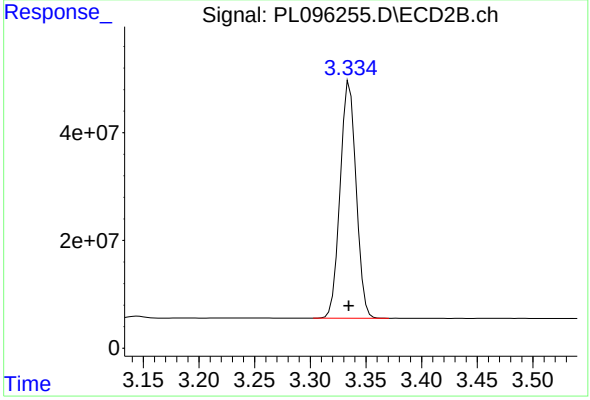
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 292757939
Conc: 50.73 ng/ml



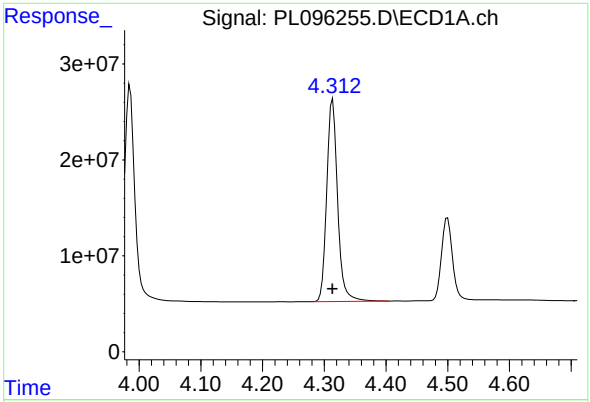
#2 alpha-BHC

R.T.: 3.985 min
Delta R.T.: 0.001 min
Response: 267907777
Conc: 52.09 ng/ml



#2 alpha-BHC

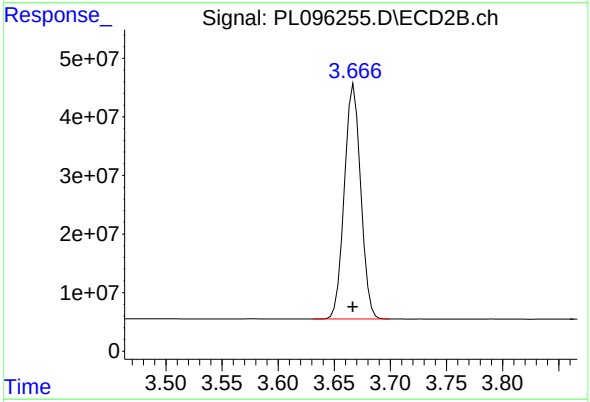
R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 439467282
Conc: 52.10 ng/ml



#3 gamma-BHC (Lindane)

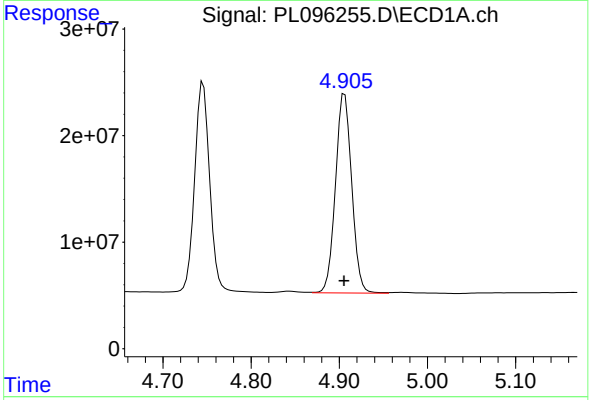
R.T.: 4.314 min
Delta R.T.: 0.000 min
Response: 258204975
Conc: 51.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



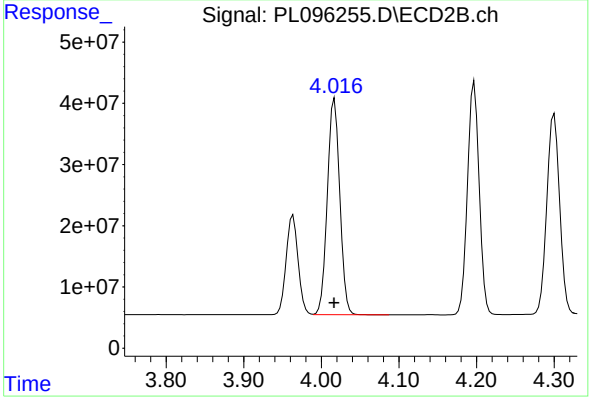
#3 gamma-BHC (Lindane)

R.T.: 3.668 min
Delta R.T.: 0.000 min
Response: 407224231
Conc: 51.71 ng/ml



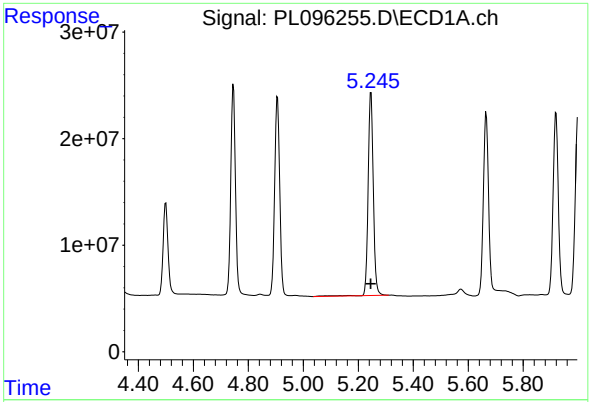
#4 Heptachlor

R.T.: 4.906 min
Delta R.T.: 0.000 min
Response: 239257721
Conc: 52.23 ng/ml



#4 Heptachlor

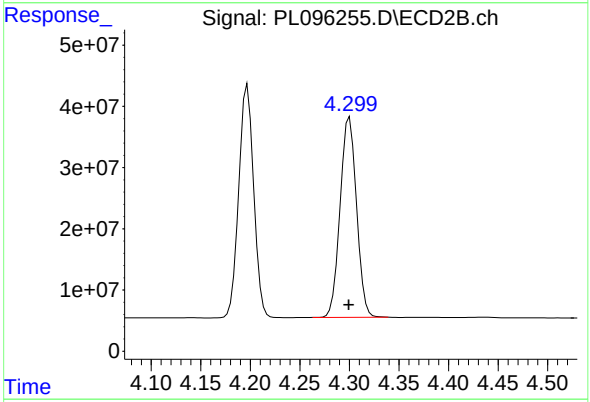
R.T.: 4.017 min
Delta R.T.: 0.000 min
Response: 393645051
Conc: 51.74 ng/ml



#5 Aldrin

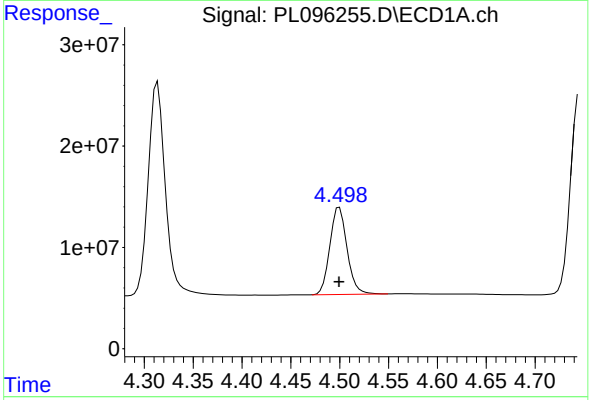
R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 251004503
Conc: 51.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



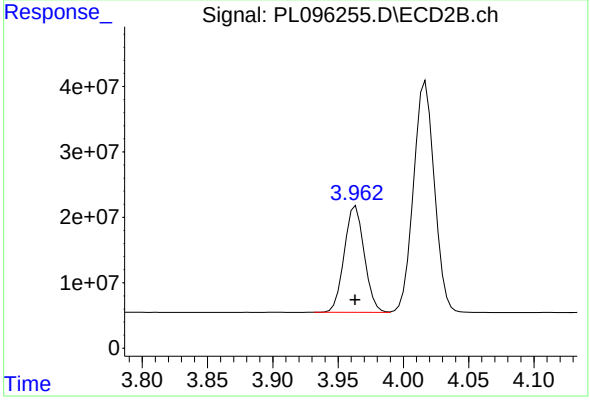
#5 Aldrin

R.T.: 4.300 min
Delta R.T.: 0.000 min
Response: 376963069
Conc: 51.67 ng/ml



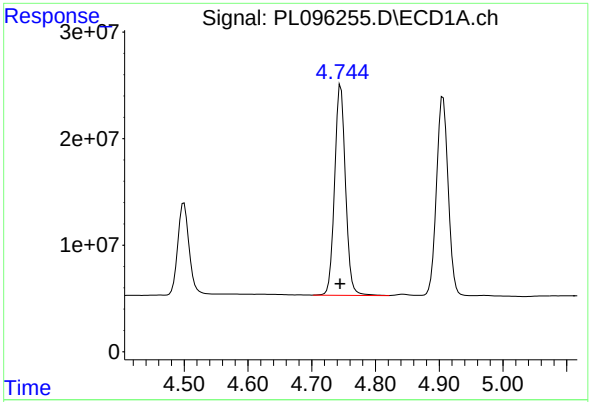
#6 beta-BHC

R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 105585547
Conc: 50.79 ng/ml



#6 beta-BHC

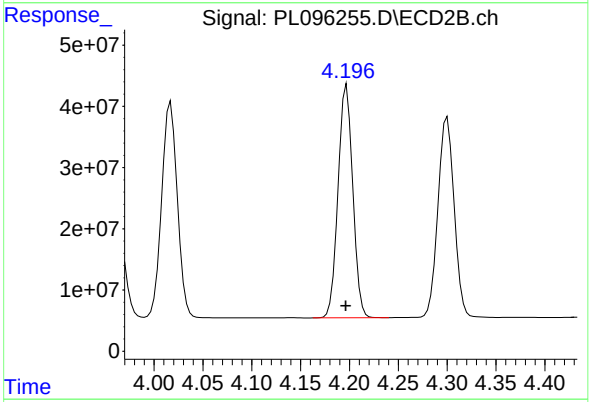
R.T.: 3.964 min
Delta R.T.: 0.000 min
Response: 173338446
Conc: 50.63 ng/ml



#7 delta-BHC

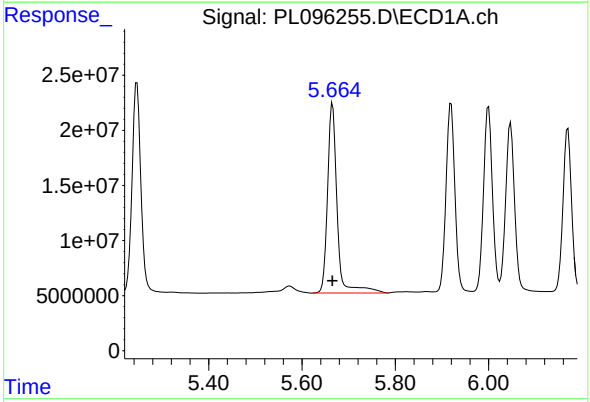
R.T.: 4.746 min
Delta R.T.: 0.000 min
Response: 234667452
Conc: 52.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



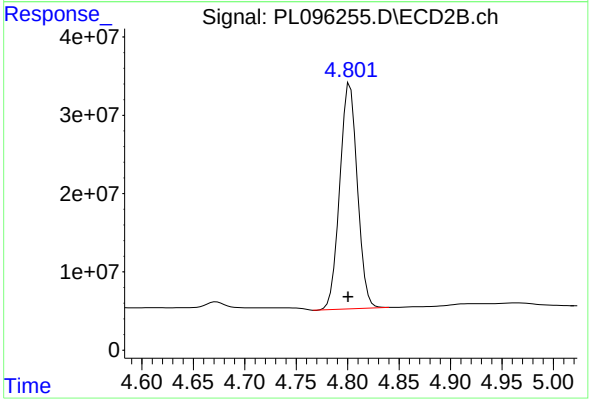
#7 delta-BHC

R.T.: 4.197 min
Delta R.T.: 0.001 min
Response: 398872355
Conc: 51.79 ng/ml



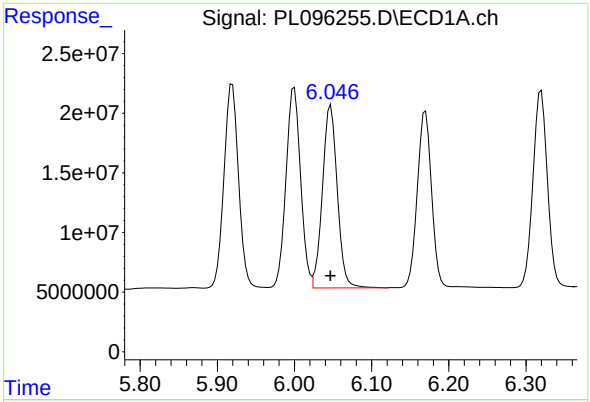
#8 Heptachlor epoxide

R.T.: 5.665 min
Delta R.T.: 0.000 min
Response: 246681583
Conc: 59.45 ng/ml



#8 Heptachlor epoxide

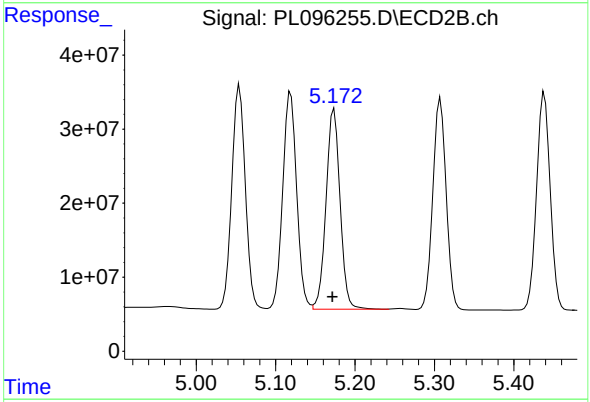
R.T.: 4.802 min
Delta R.T.: 0.002 min
Response: 343231658
Conc: 51.34 ng/ml



#9 Endosulfan I

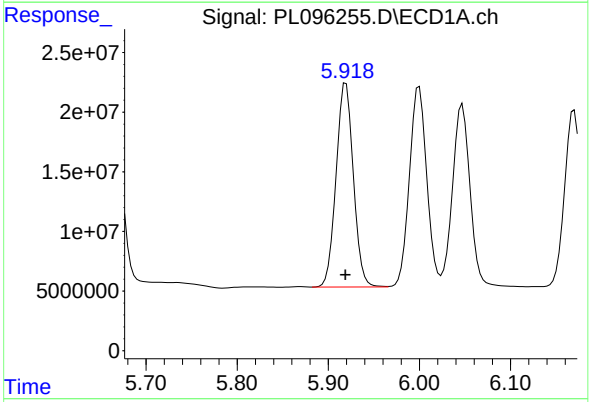
R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 205217213
Conc: 50.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



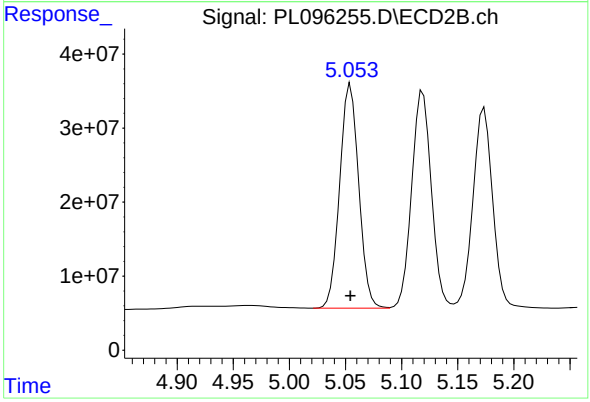
#9 Endosulfan I

R.T.: 5.174 min
Delta R.T.: 0.002 min
Response: 331072403
Conc: 46.15 ng/ml



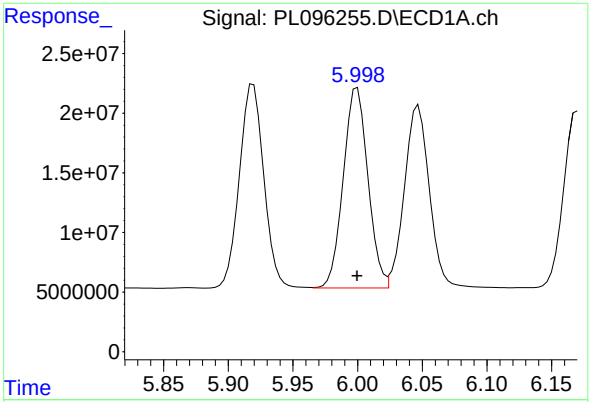
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 225536850
Conc: 50.97 ng/ml



#10 gamma-Chlordane

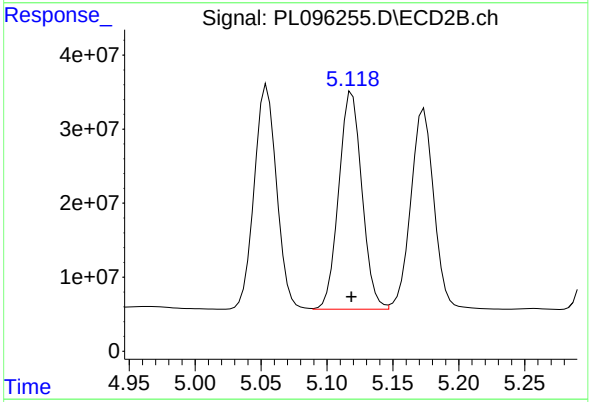
R.T.: 5.055 min
Delta R.T.: 0.000 min
Response: 357720812
Conc: 50.96 ng/ml



#11 alpha-Chlordane

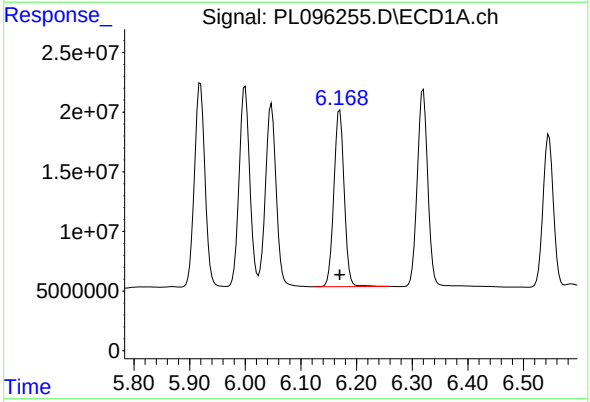
R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 222374257
Conc: 50.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



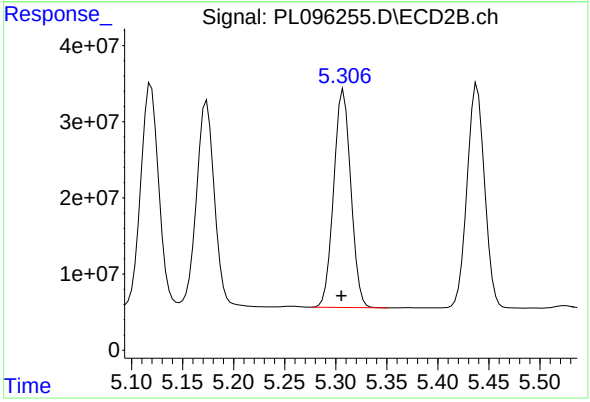
#11 alpha-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 359003046
Conc: 47.74 ng/ml



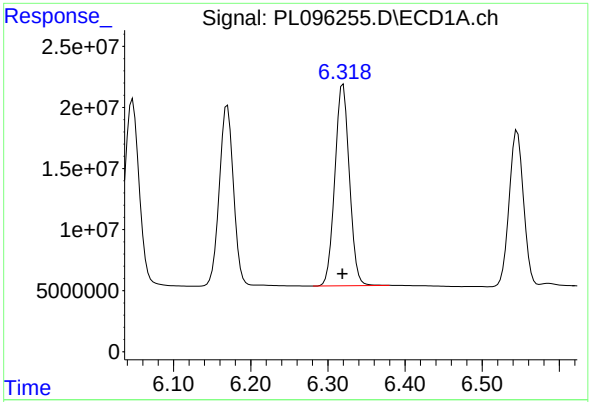
#12 4,4'-DDE

R.T.: 6.170 min
Delta R.T.: 0.000 min
Response: 190603296
Conc: 51.41 ng/ml



#12 4,4'-DDE

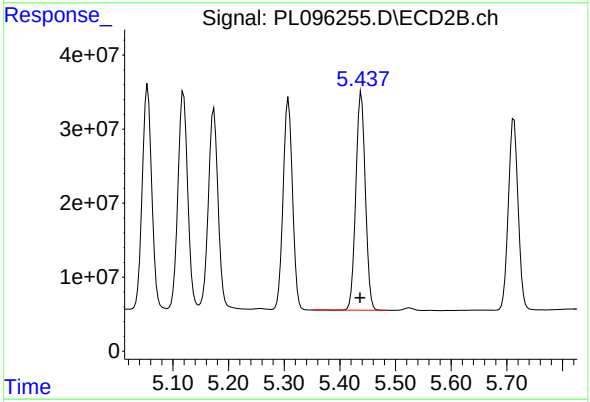
R.T.: 5.308 min
Delta R.T.: 0.002 min
Response: 334423899
Conc: 51.74 ng/ml



#13 Dieldrin

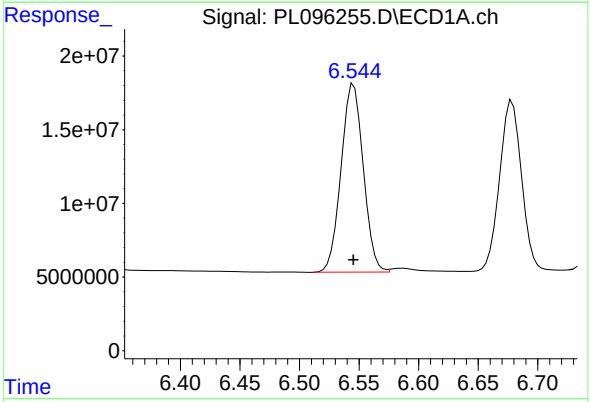
R.T.: 6.320 min
Delta R.T.: 0.000 min
Response: 215943692
Conc: 51.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



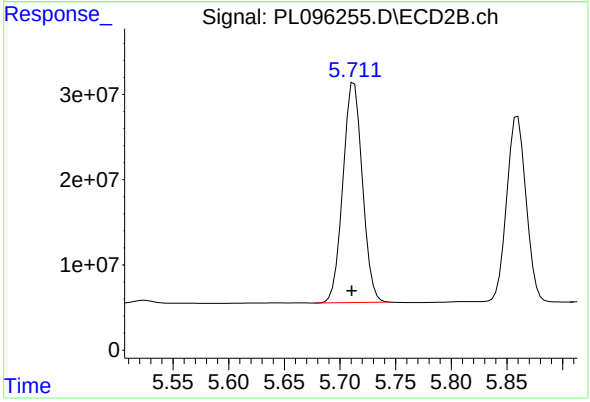
#13 Dieldrin

R.T.: 5.438 min
Delta R.T.: 0.002 min
Response: 351152654
Conc: 51.49 ng/ml



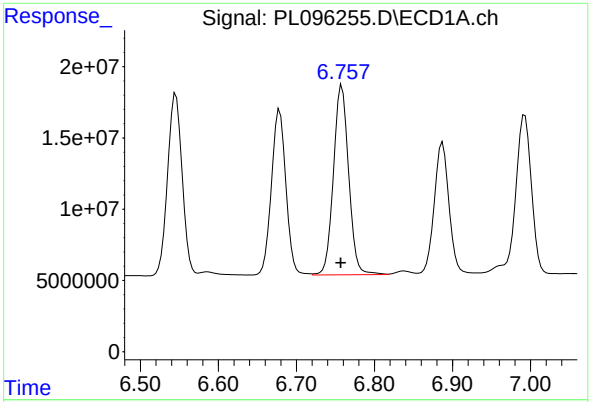
#14 Endrin

R.T.: 6.546 min
Delta R.T.: 0.000 min
Response: 165802977
Conc: 53.31 ng/ml



#14 Endrin

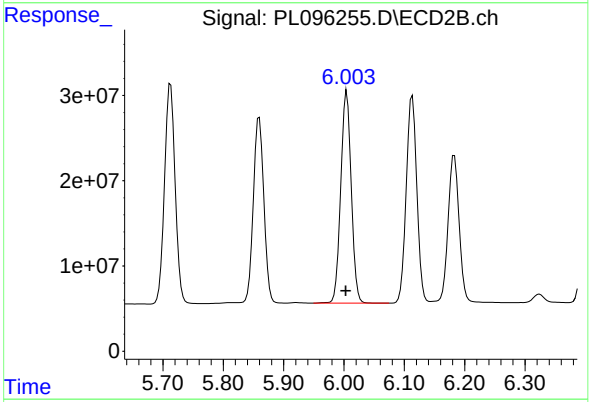
R.T.: 5.713 min
Delta R.T.: 0.002 min
Response: 314221022
Conc: 51.54 ng/ml



#15 Endosulfan II

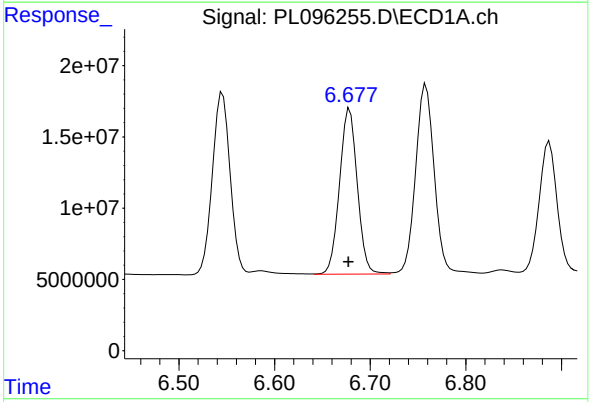
R.T.: 6.758 min
Delta R.T.: 0.001 min
Response: 180601073
Conc: 52.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



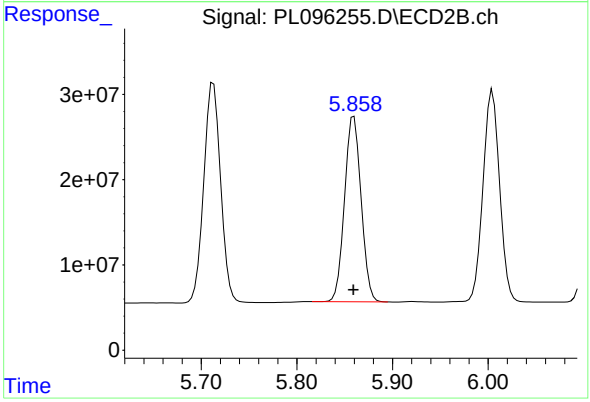
#15 Endosulfan II

R.T.: 6.005 min
Delta R.T.: 0.002 min
Response: 300706964
Conc: 51.28 ng/ml



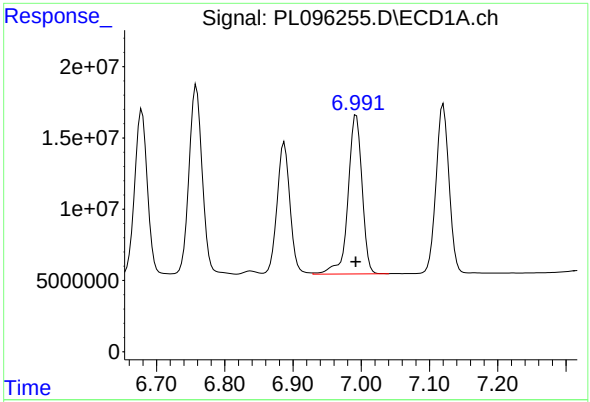
#16 4,4'-DDD

R.T.: 6.679 min
Delta R.T.: 0.001 min
Response: 150504521
Conc: 51.69 ng/ml



#16 4,4'-DDD

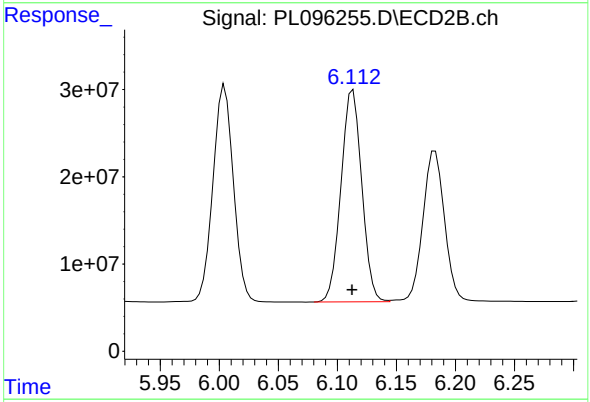
R.T.: 5.860 min
Delta R.T.: 0.000 min
Response: 262873762
Conc: 51.26 ng/ml



#17 4,4'-DDT

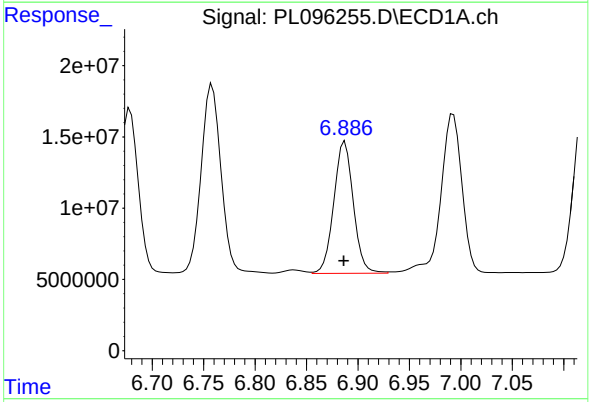
R.T.: 6.993 min
Delta R.T.: 0.000 min
Response: 158743261
Conc: 52.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



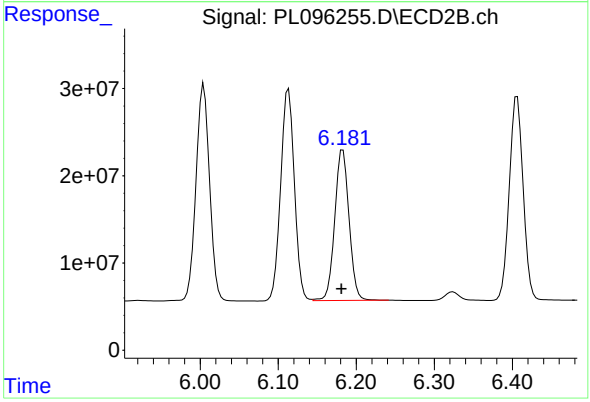
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 297635340
Conc: 51.90 ng/ml



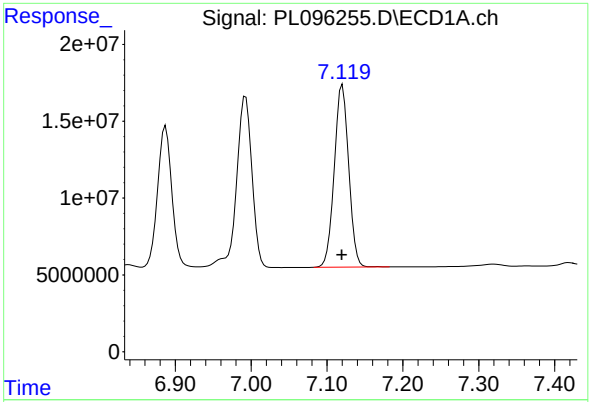
#18 Endrin aldehyde

R.T.: 6.887 min
Delta R.T.: 0.000 min
Response: 121960834
Conc: 54.56 ng/ml



#18 Endrin aldehyde

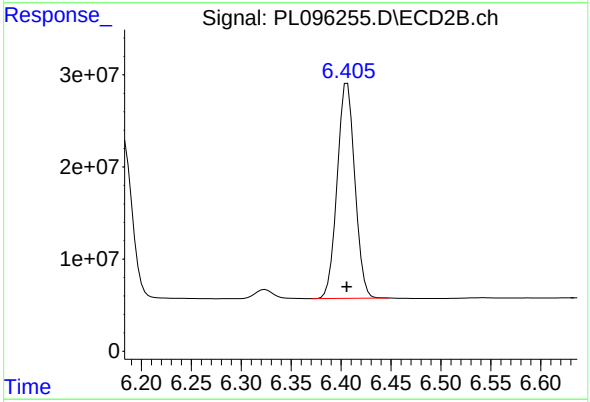
R.T.: 6.183 min
Delta R.T.: 0.002 min
Response: 220207892
Conc: 49.43 ng/ml



#19 Endosulfan Sulfate

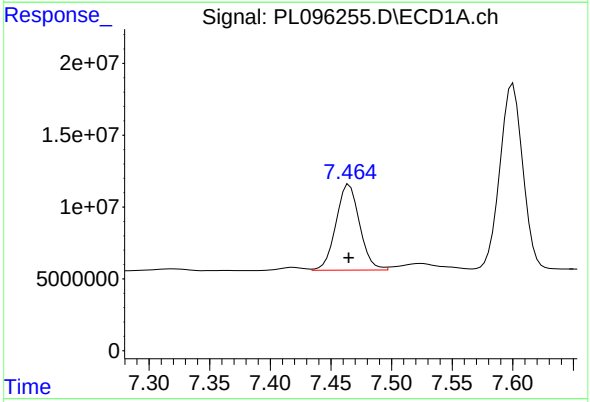
R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 156791775
Conc: 51.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



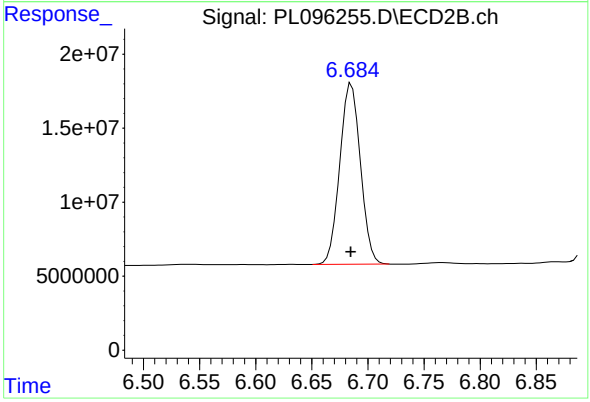
#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 287849227
Conc: 51.18 ng/ml



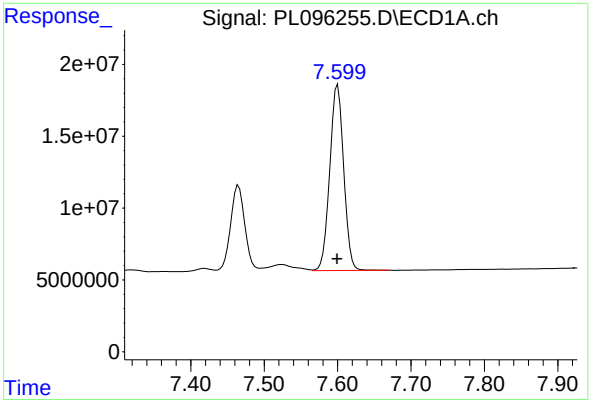
#20 Methoxychlor

R.T.: 7.465 min
Delta R.T.: 0.000 min
Response: 80931127
Conc: 51.37 ng/ml



#20 Methoxychlor

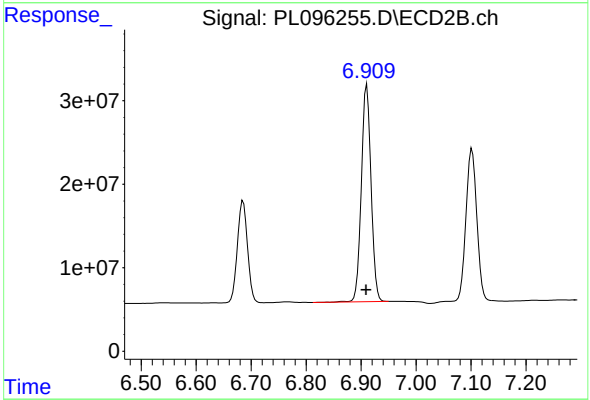
R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 156466302
Conc: 51.51 ng/ml



#21 Endrin ketone

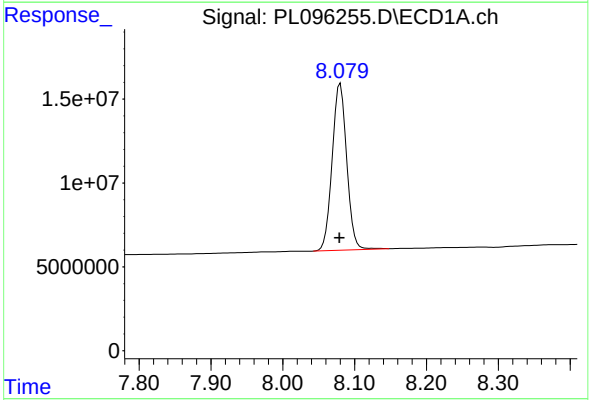
R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 170609060
Conc: 51.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



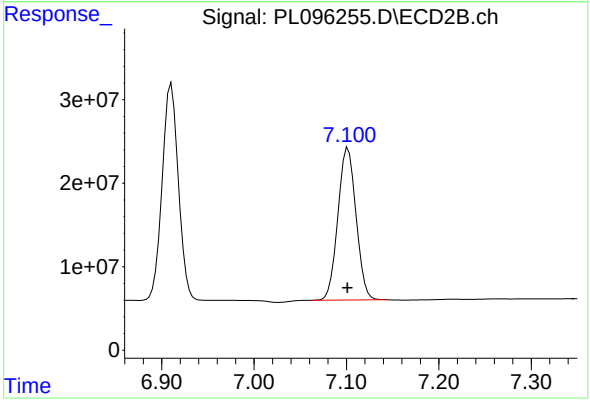
#21 Endrin ketone

R.T.: 6.911 min
Delta R.T.: 0.002 min
Response: 319242361
Conc: 51.06 ng/ml



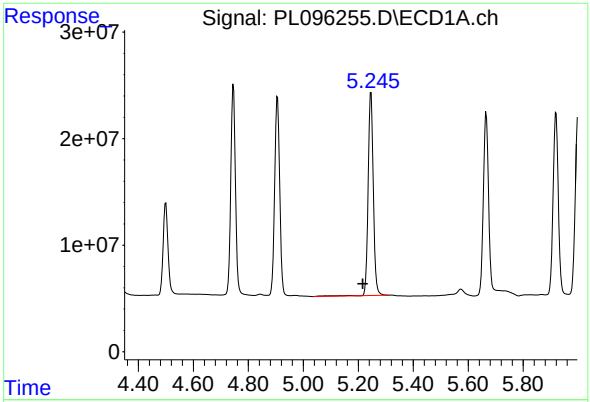
#22 Mirex

R.T.: 8.080 min
Delta R.T.: 0.002 min
Response: 139758073
Conc: 50.23 ng/ml



#22 Mirex

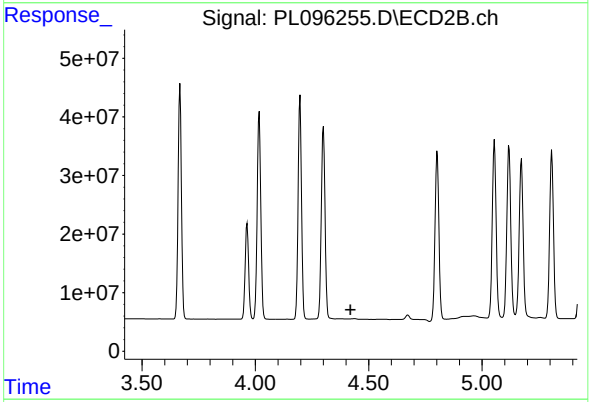
R.T.: 7.102 min
Delta R.T.: 0.000 min
Response: 249239419
Conc: 50.17 ng/ml



#24 Chlordane-2

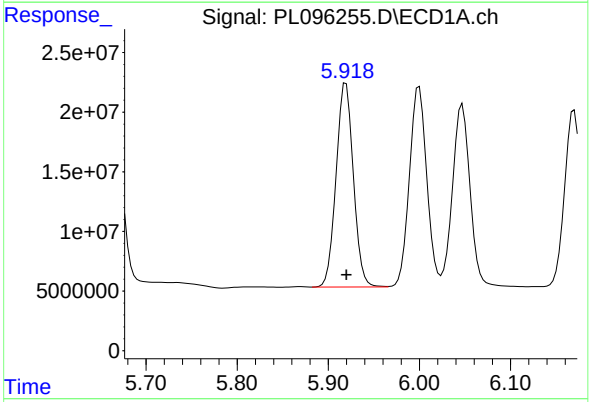
R.T.: 5.246 min
Delta R.T.: 0.029 min
Response: 251004503
Conc: 1282.07 ng/m

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



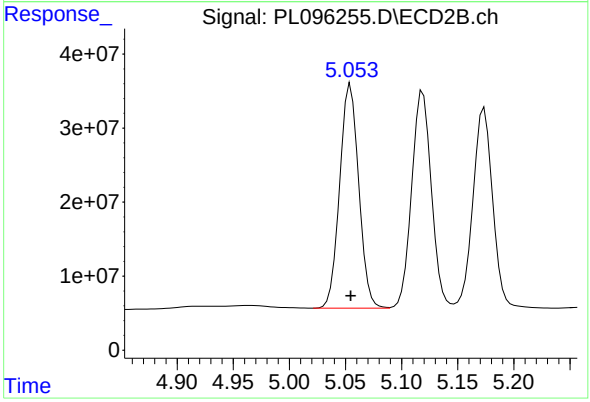
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.420 min
Response: 0
Conc: N.D.



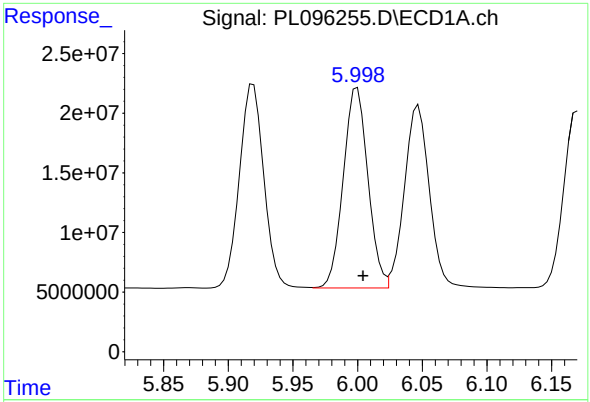
#25 Chlordane-3

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 225536850
Conc: 306.12 ng/ml



#25 Chlordane-3

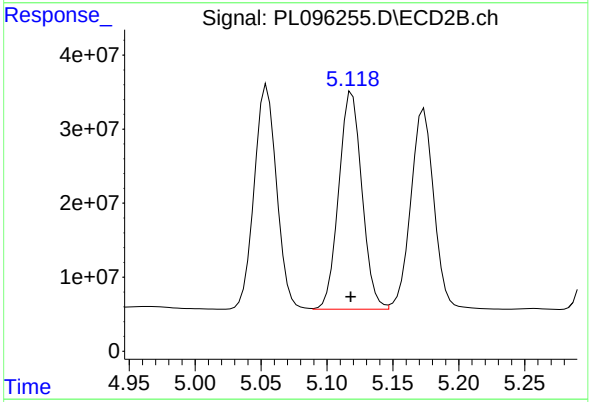
R.T.: 5.055 min
Delta R.T.: 0.000 min
Response: 357720812
Conc: 444.63 ng/ml



#26 Chlordane-4

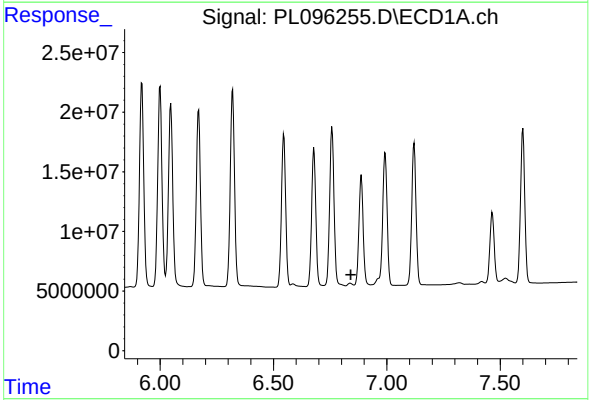
R.T.: 6.000 min
Delta R.T.: -0.004 min
Response: 222374257
Conc: 247.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL070725



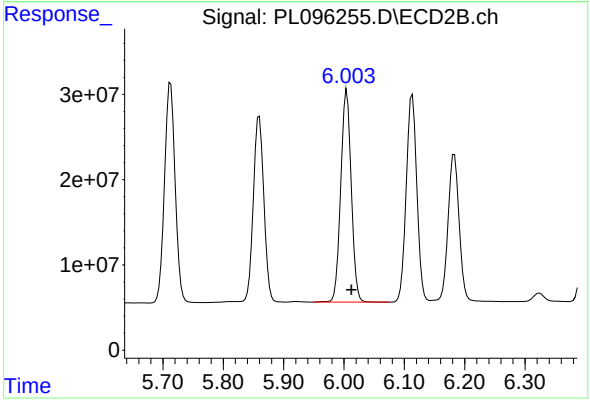
#26 Chlordane-4

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 359003046
Conc: 477.76 ng/ml



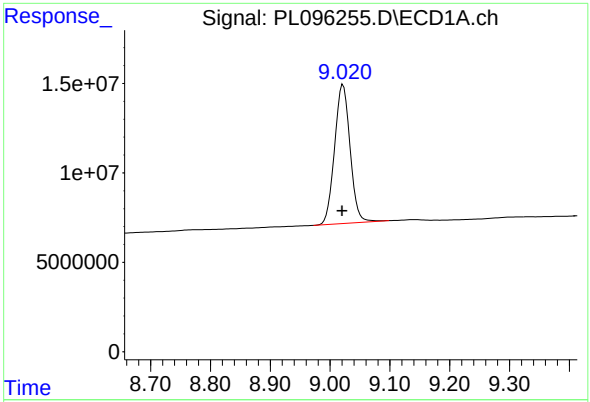
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.841 min
Response: 0
Conc: N.D.



#27 Chlordane-5

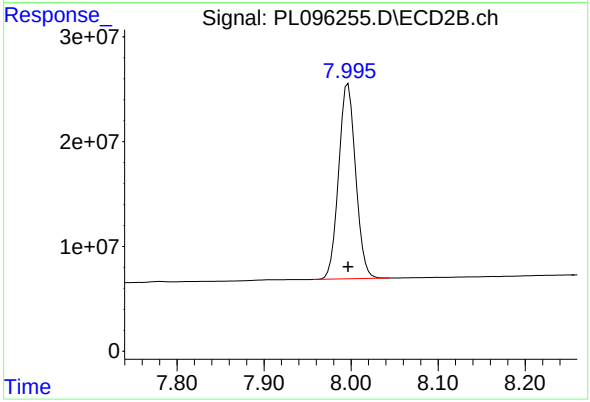
R.T.: 6.005 min
Delta R.T.: -0.008 min
Response: 300706964
Conc: 1060.88 ng/ml



#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	#

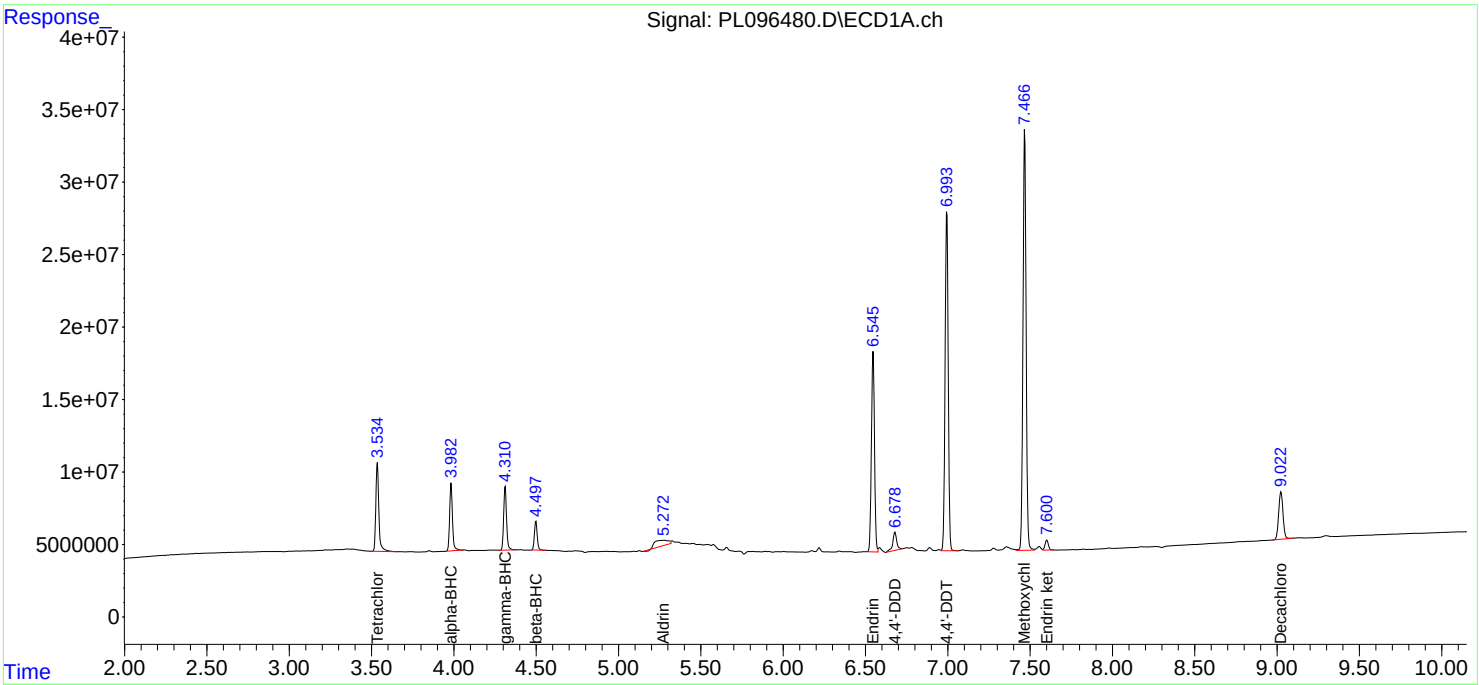
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

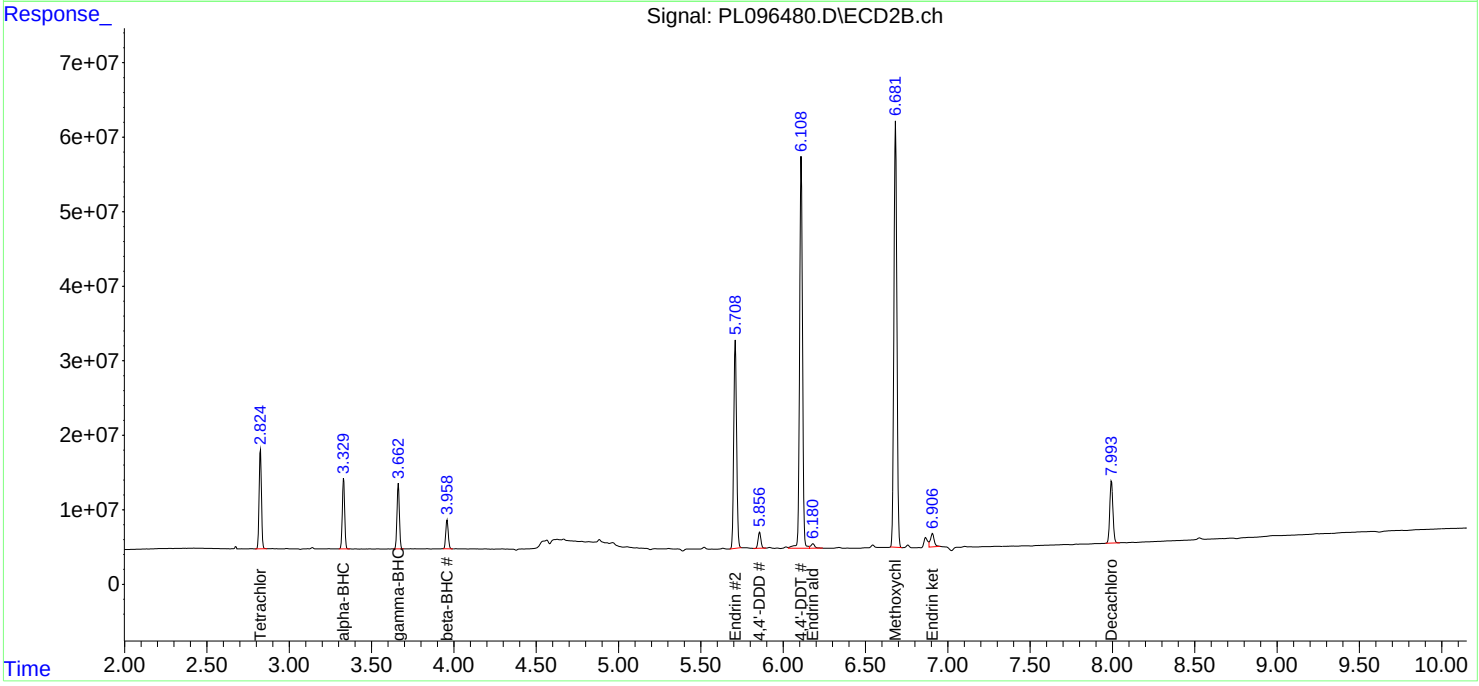
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096480.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:30
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

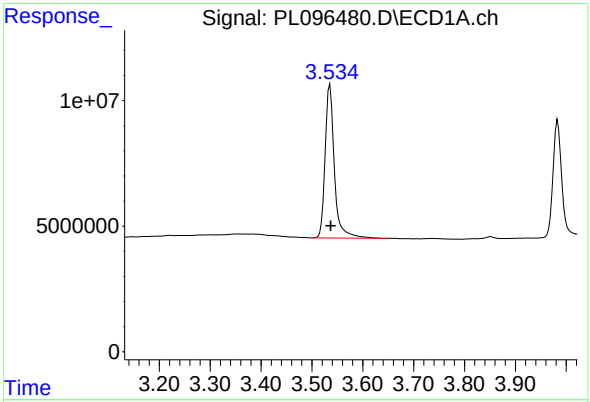
Instrument :
ECD_L
ClientSampleId :
PEM

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



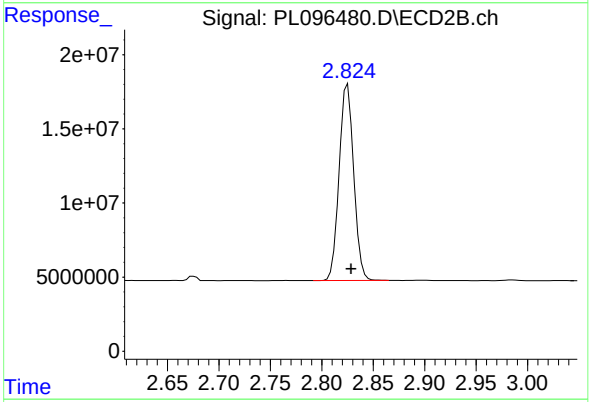




#1 Tetrachloro-m-xylene

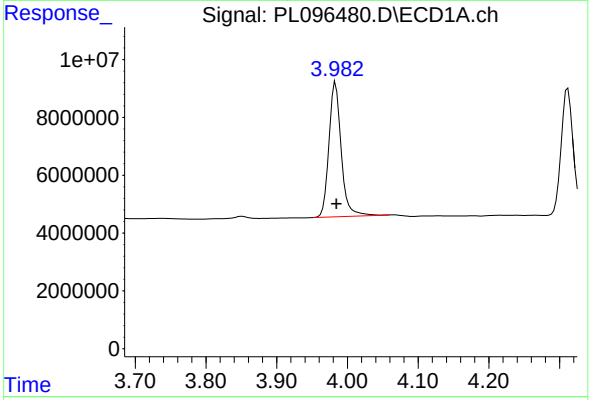
R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 77296470
Conc: 21.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



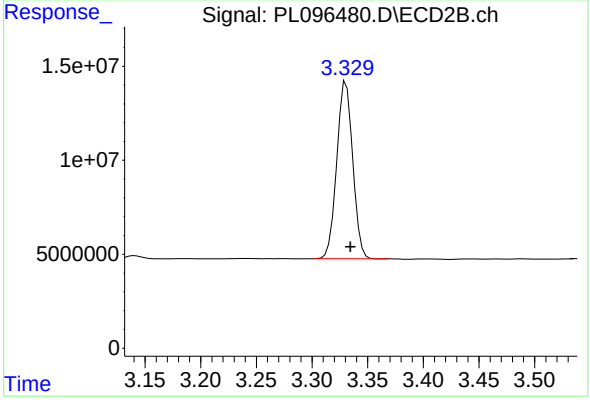
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 130429757
Conc: 22.60 ng/ml



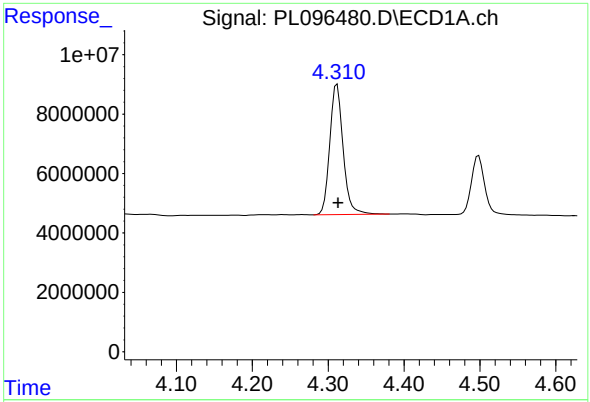
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: -0.001 min
Response: 56123842
Conc: 10.91 ng/ml



#2 alpha-BHC

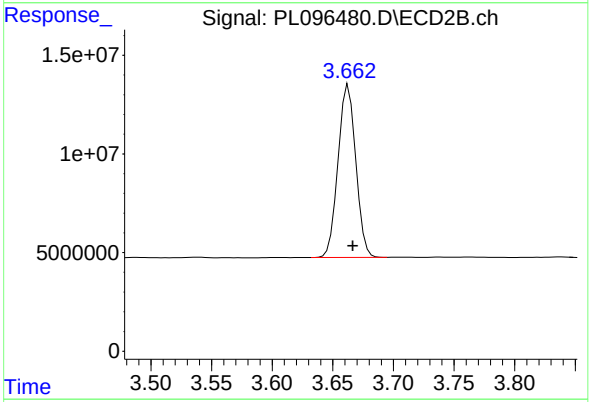
R.T.: 3.331 min
Delta R.T.: -0.004 min
Response: 94071420
Conc: 11.15 ng/ml



#3 gamma-BHC (Lindane)

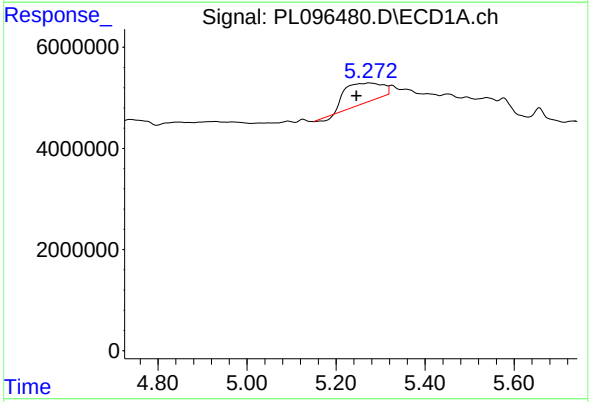
R.T.: 4.312 min
Delta R.T.: -0.001 min
Response: 53569568
Conc: 10.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



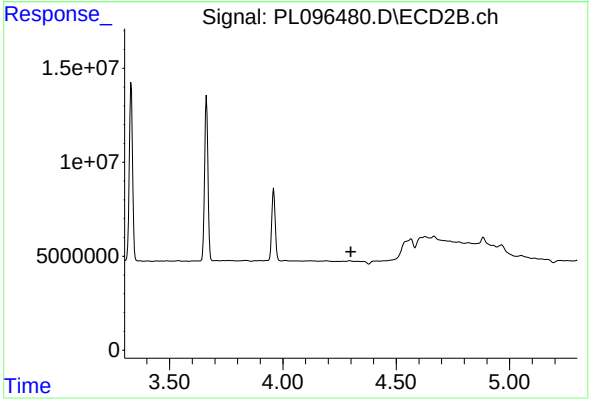
#3 gamma-BHC (Lindane)

R.T.: 3.663 min
Delta R.T.: -0.004 min
Response: 89058605
Conc: 11.31 ng/ml



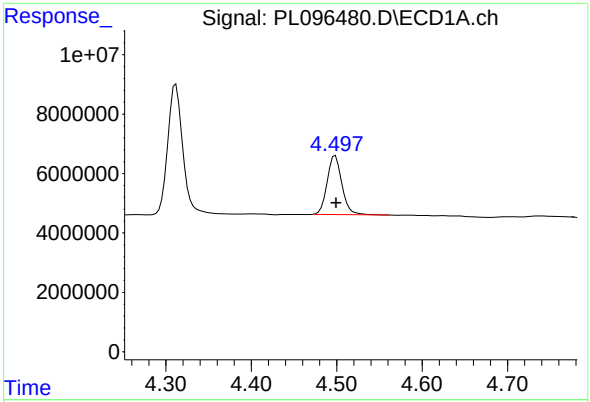
#5 Aldrin

R.T.: 5.274 min
Delta R.T.: 0.028 min
Response: 22131951
Conc: 4.58 ng/ml



#5 Aldrin

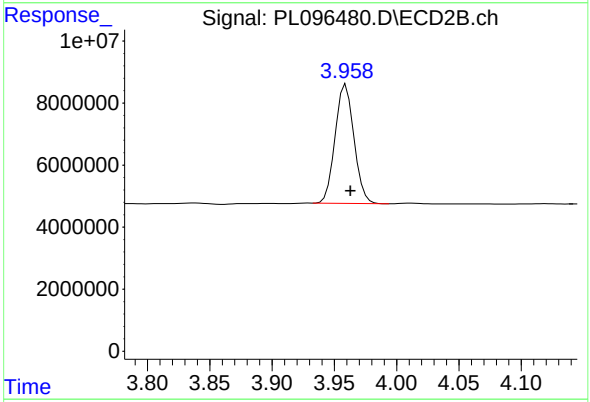
R.T.: 0.000 min
Exp R.T. : 4.299 min
Response: 0
Conc: N.D.



#6 beta-BHC

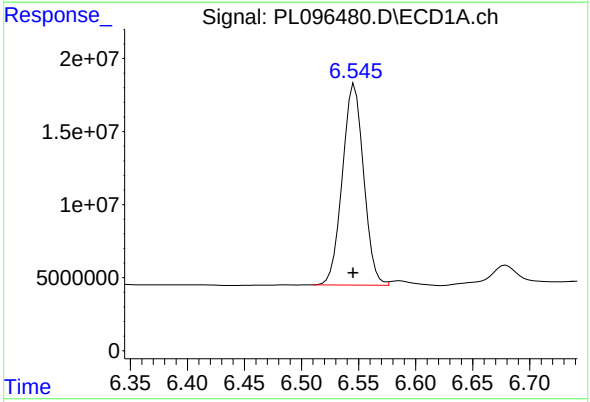
R.T.: 4.498 min
Delta R.T.: -0.001 min
Response: 23771543
Conc: 11.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



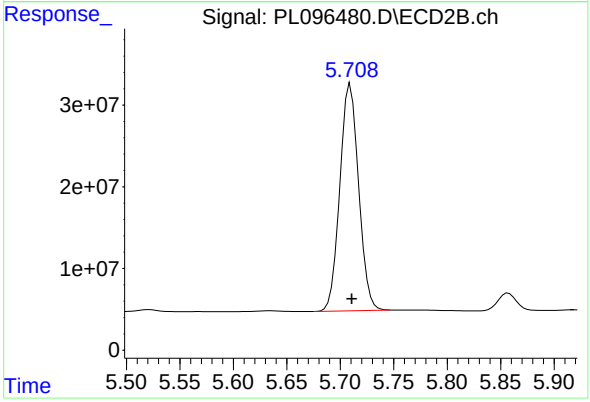
#6 beta-BHC

R.T.: 3.959 min
Delta R.T.: -0.004 min
Response: 40537724
Conc: 11.84 ng/ml



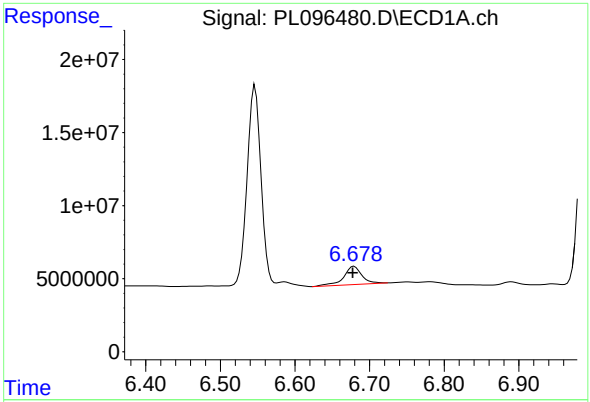
#14 Endrin

R.T.: 6.546 min
Delta R.T.: 0.001 min
Response: 178258492
Conc: 57.31 ng/ml



#14 Endrin

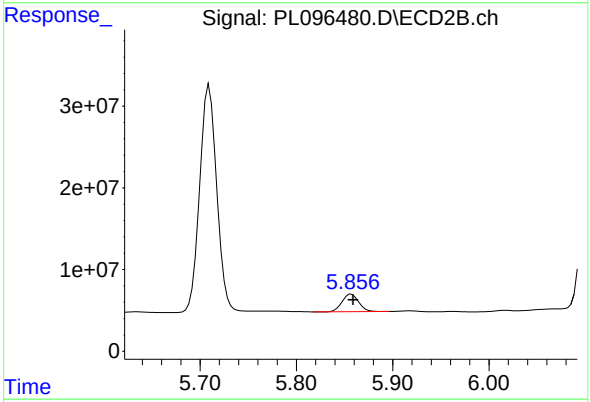
R.T.: 5.709 min
Delta R.T.: -0.001 min
Response: 340072131
Conc: 55.78 ng/ml



#16 4,4'-DDD

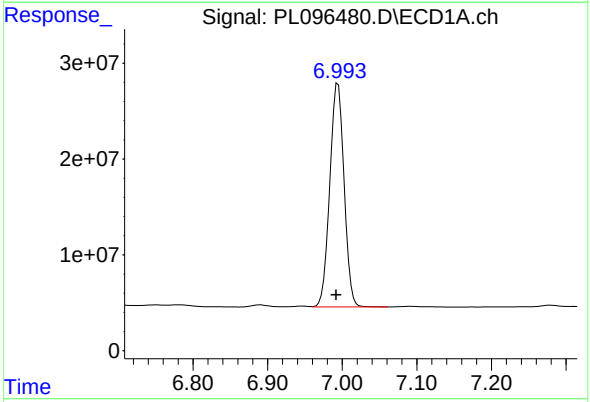
R.T.: 6.679 min
Delta R.T.: 0.002 min
Response: 20981587
Conc: 7.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



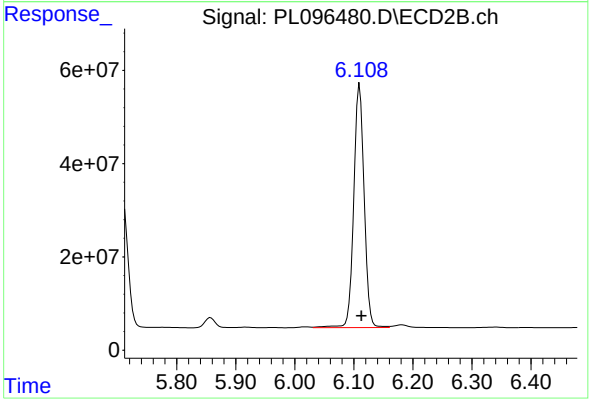
#16 4,4'-DDD

R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 25664408
Conc: 5.00 ng/ml



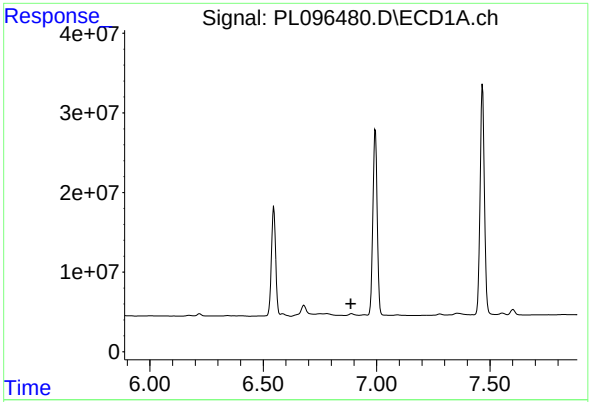
#17 4,4'-DDT

R.T.: 6.994 min
Delta R.T.: 0.003 min
Response: 311151793
Conc: 102.51 ng/ml



#17 4,4'-DDT

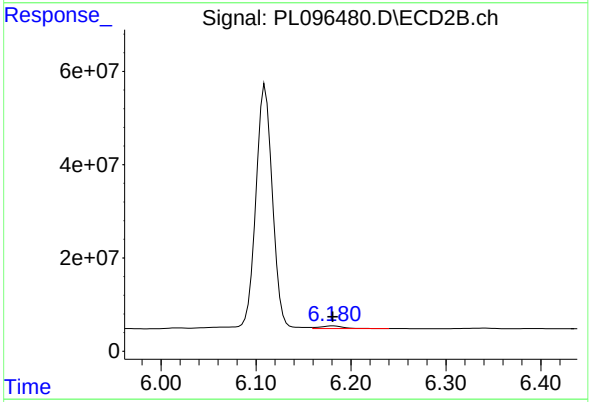
R.T.: 6.110 min
Delta R.T.: -0.003 min
Response: 639800180
Conc: 111.56 ng/ml



#18 Endrin aldehyde

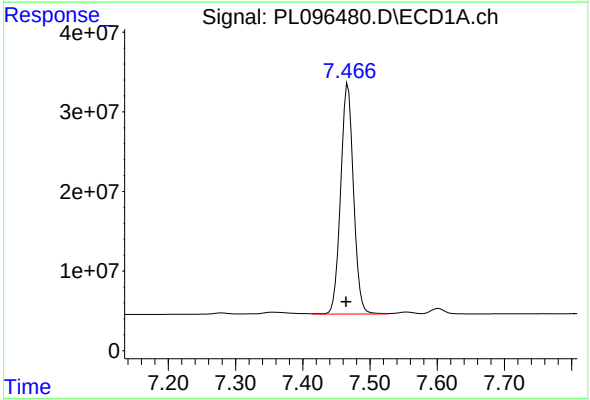
R.T.: 0.000 min
Exp R.T. : 6.886 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



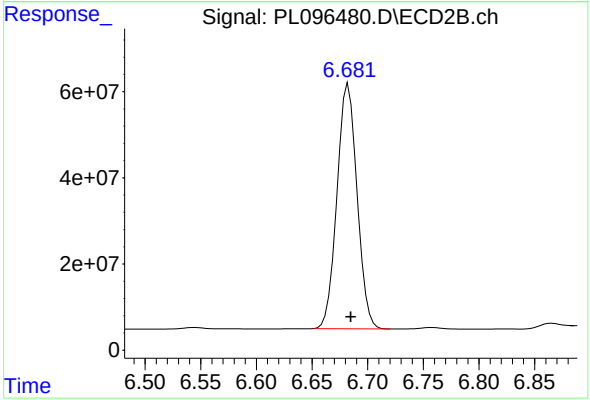
#18 Endrin aldehyde

R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 10054251
Conc: 2.26 ng/ml



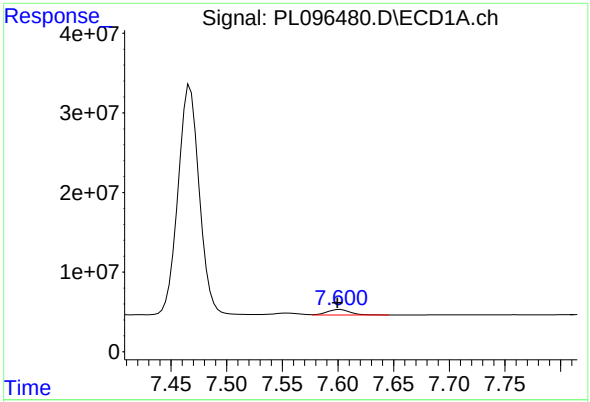
#20 Methoxychlor

R.T.: 7.467 min
Delta R.T.: 0.003 min
Response: 384679098
Conc: 244.18 ng/ml



#20 Methoxychlor

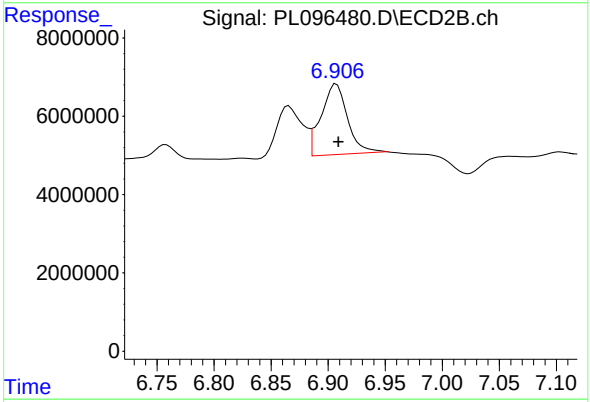
R.T.: 6.683 min
Delta R.T.: -0.002 min
Response: 713678352
Conc: 234.93 ng/ml



#21 Endrin ketone

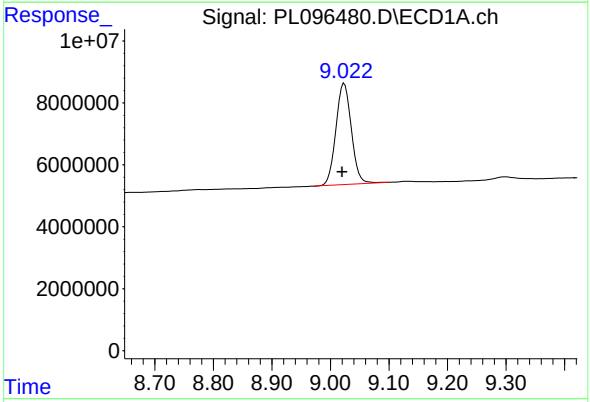
R.T.: 7.602 min
Delta R.T.: 0.002 min
Response: 9683418
Conc: 2.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



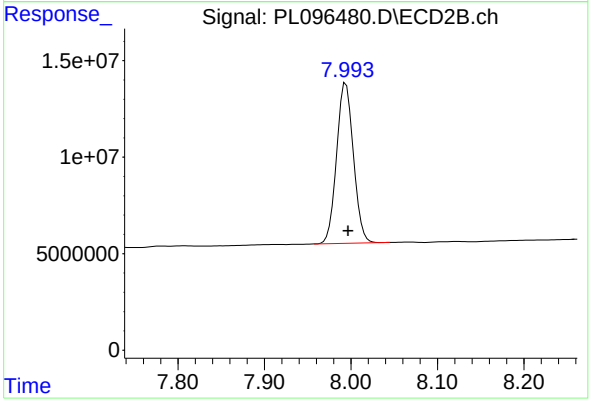
#21 Endrin ketone

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	#

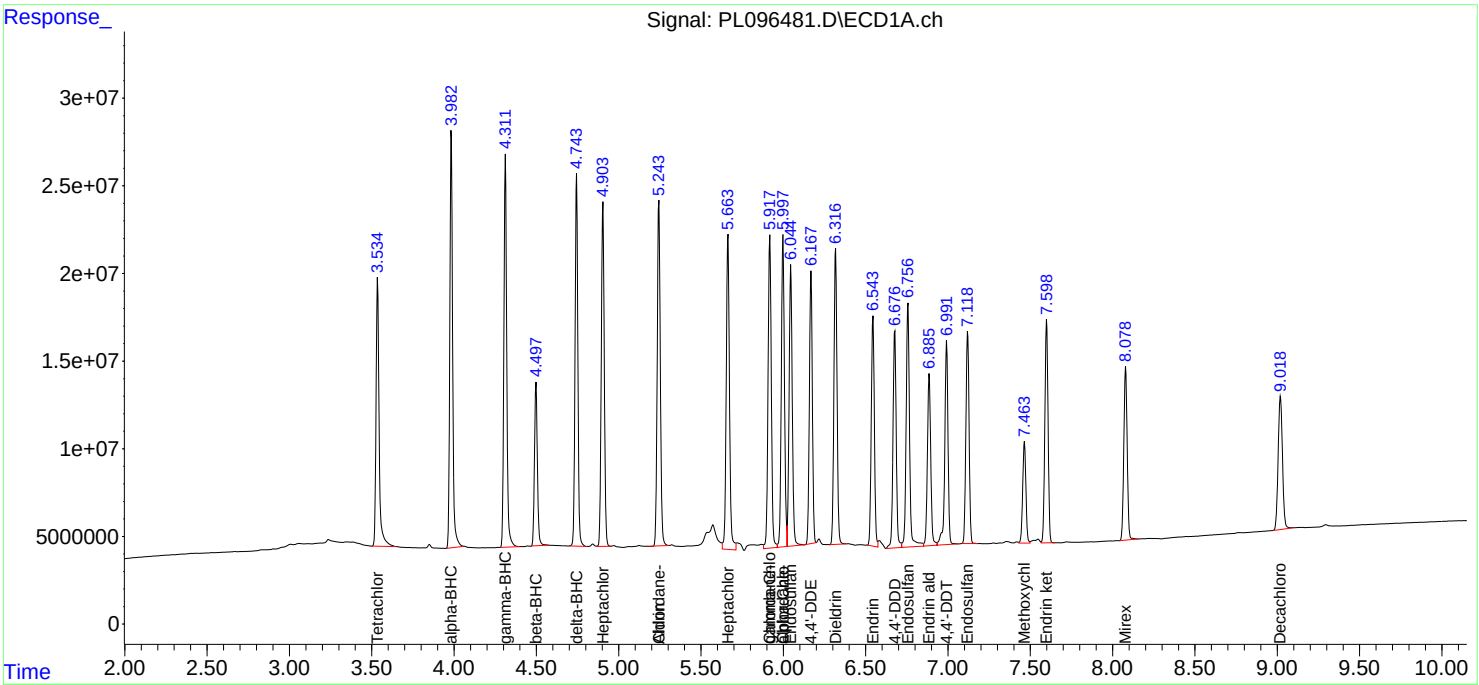
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

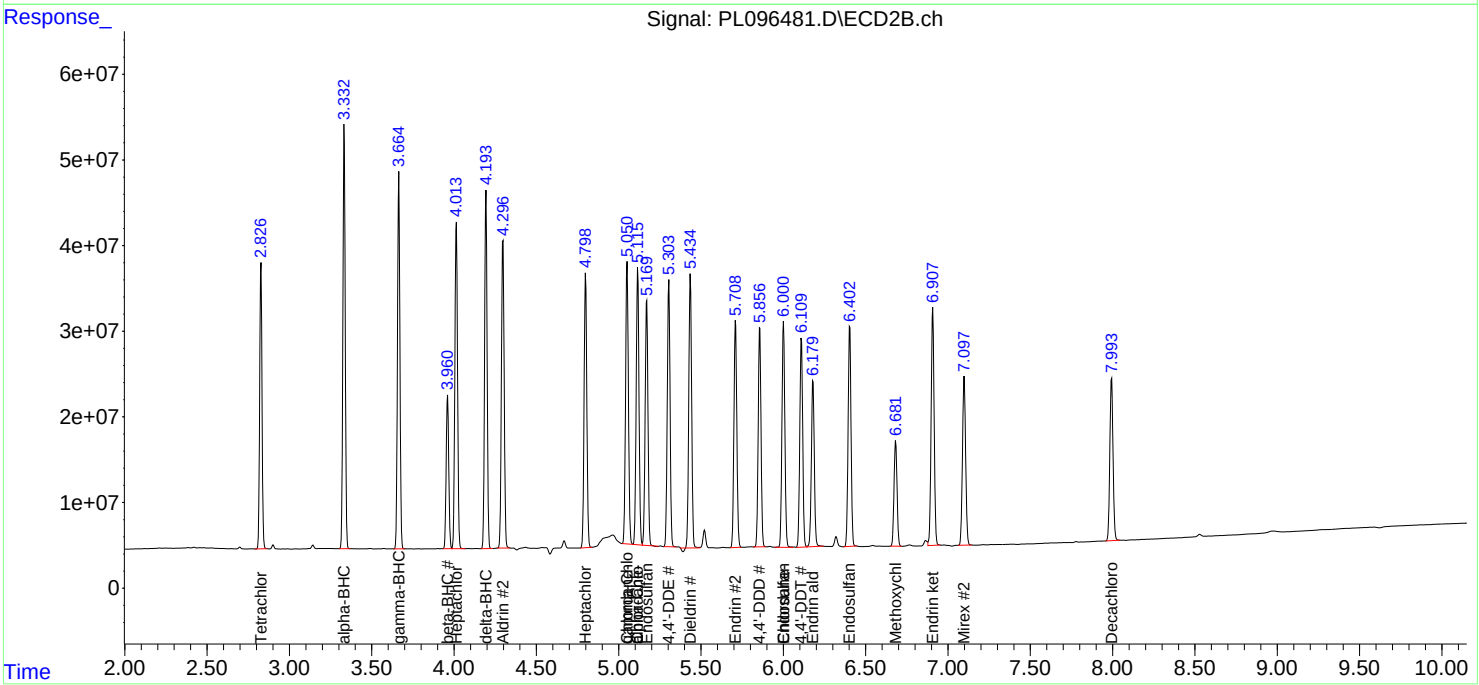
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096481.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:44
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

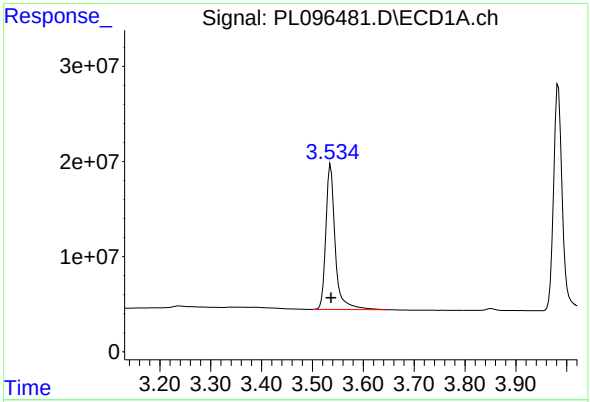
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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



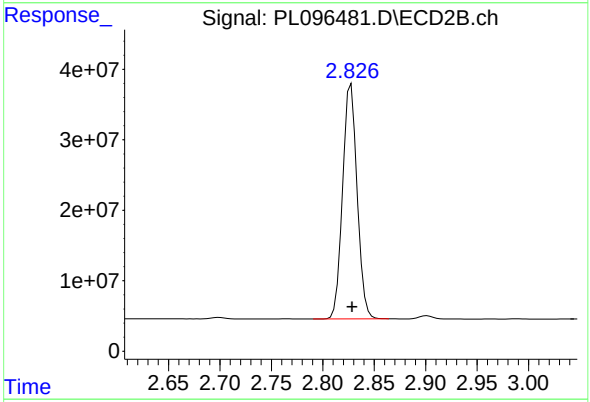




#1 Tetrachloro-m-xylene

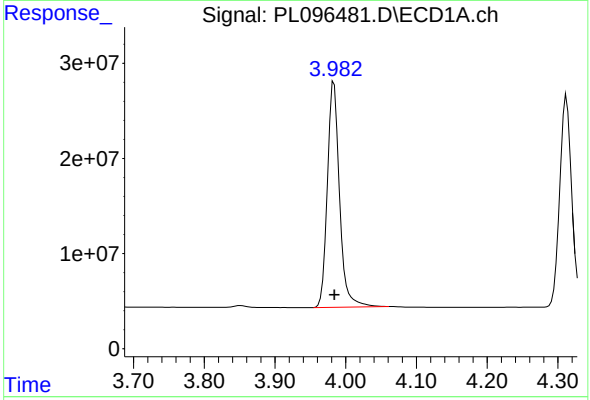
R.T.: 3.536 min
Delta R.T.: -0.001 min
Response: 195513760
Conc: 53.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



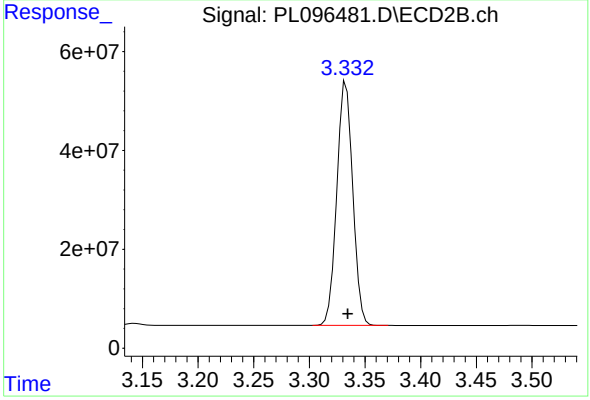
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 327412617
Conc: 56.73 ng/ml



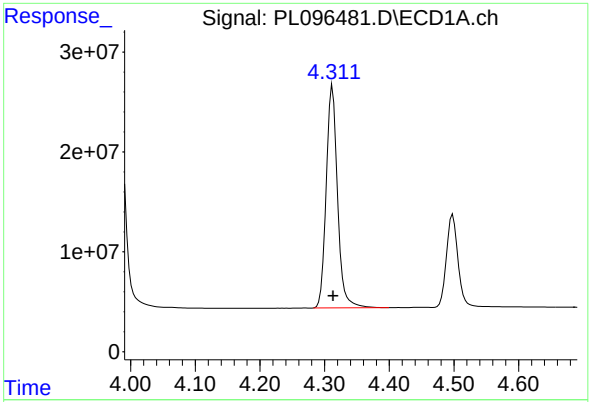
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 283356427
Conc: 55.09 ng/ml



#2 alpha-BHC

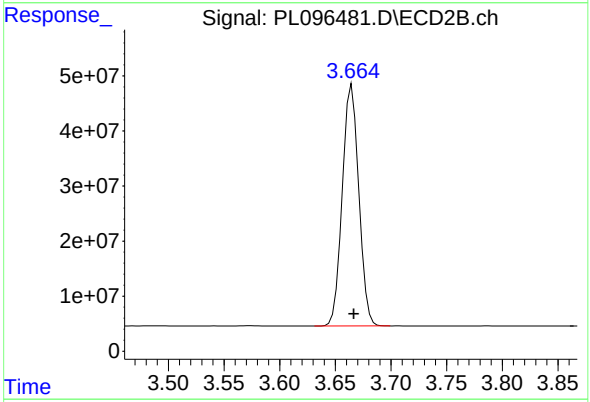
R.T.: 3.333 min
Delta R.T.: -0.001 min
Response: 491281508
Conc: 58.25 ng/ml



#3 gamma-BHC (Lindane)

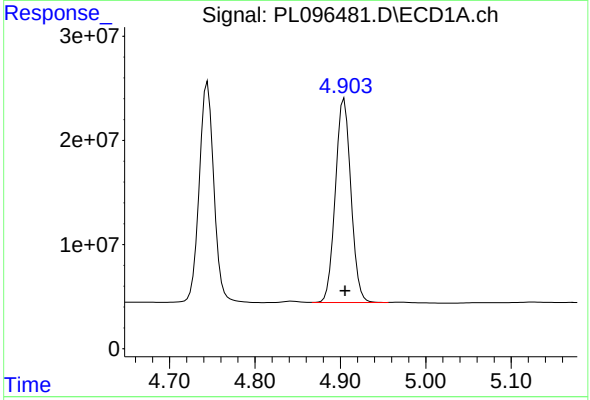
R.T.: 4.312 min
Delta R.T.: 0.000 min
Response: 270280418
Conc: 54.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



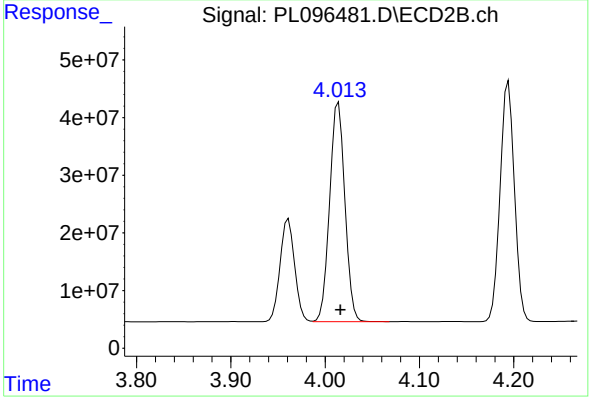
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: -0.002 min
Response: 452314672
Conc: 57.43 ng/ml



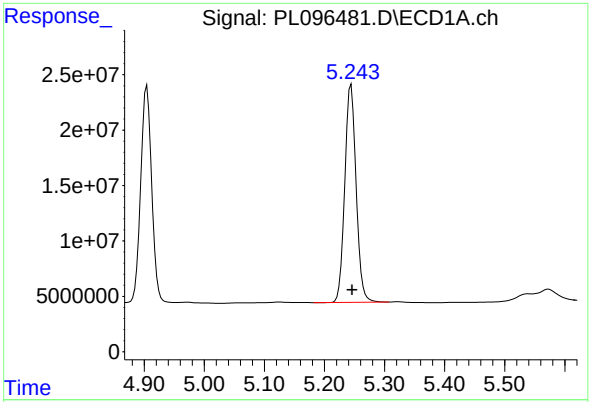
#4 Heptachlor

R.T.: 4.905 min
Delta R.T.: 0.000 min
Response: 248085203
Conc: 54.15 ng/ml



#4 Heptachlor

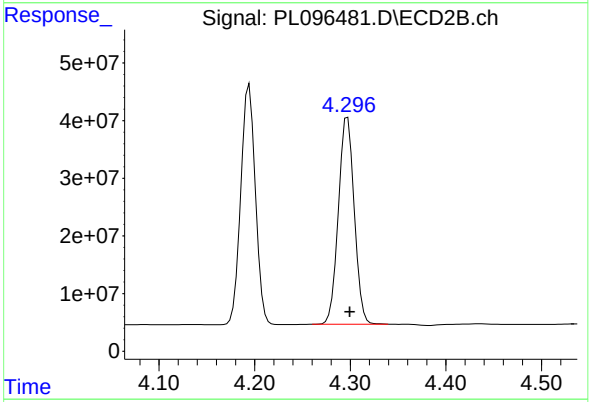
R.T.: 4.014 min
Delta R.T.: -0.002 min
Response: 426968562
Conc: 56.12 ng/ml



#5 Aldrin

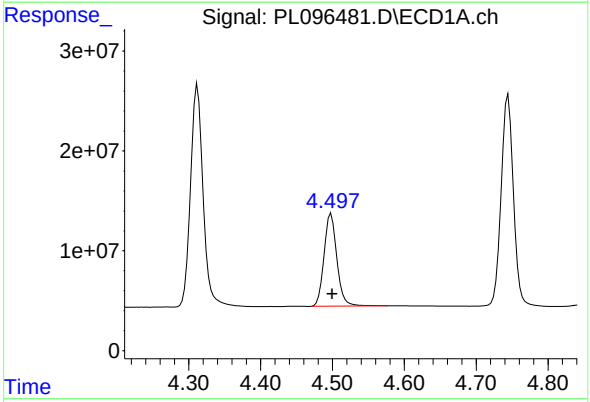
R.T.: 5.244 min
Delta R.T.: -0.002 min
Response: 256680586
Conc: 53.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



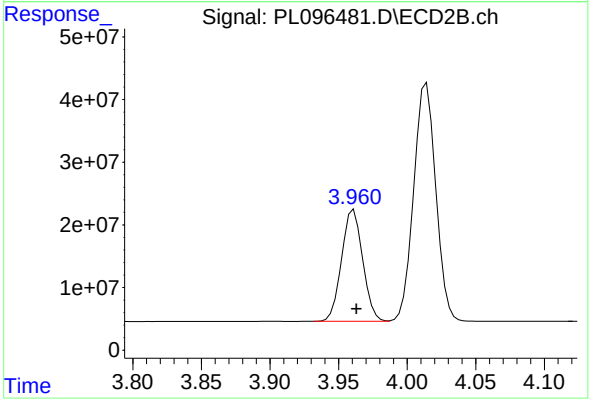
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: -0.002 min
Response: 415588424
Conc: 56.96 ng/ml



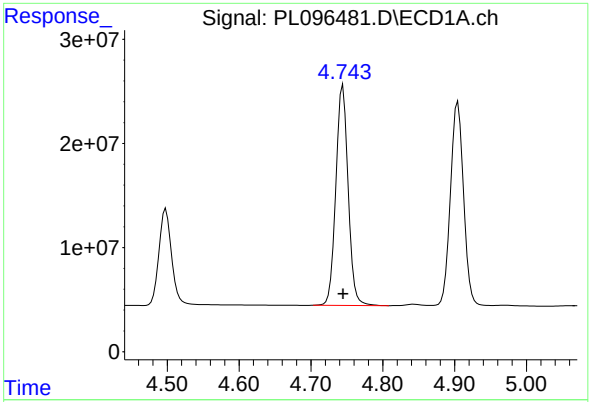
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: -0.001 min
Response: 114294654
Conc: 54.98 ng/ml



#6 beta-BHC

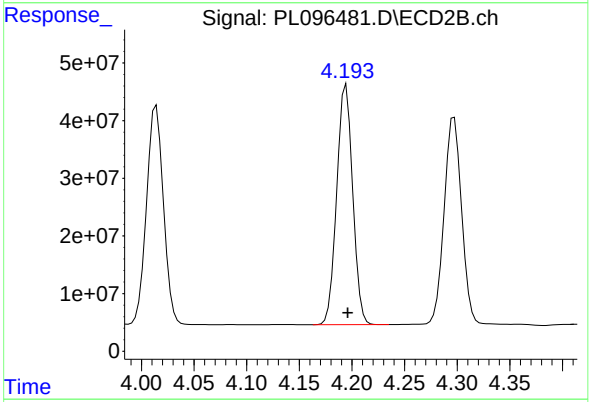
R.T.: 3.961 min
Delta R.T.: -0.002 min
Response: 191130987
Conc: 55.82 ng/ml



#7 delta-BHC

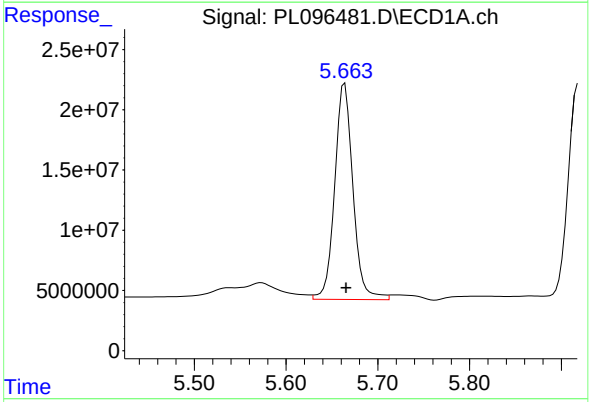
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 251135167
Conc: 56.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



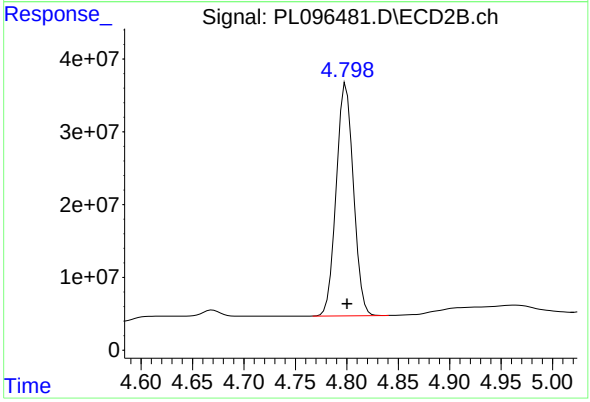
#7 delta-BHC

R.T.: 4.194 min
Delta R.T.: -0.002 min
Response: 440771516
Conc: 57.23 ng/ml



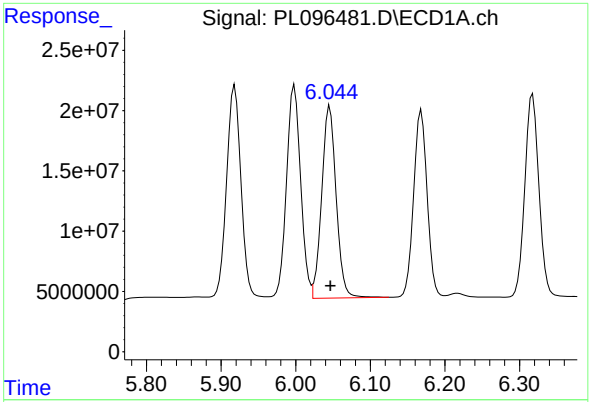
#8 Heptachlor epoxide

R.T.: 5.664 min
Delta R.T.: -0.001 min
Response: 248030349
Conc: 59.78 ng/ml



#8 Heptachlor epoxide

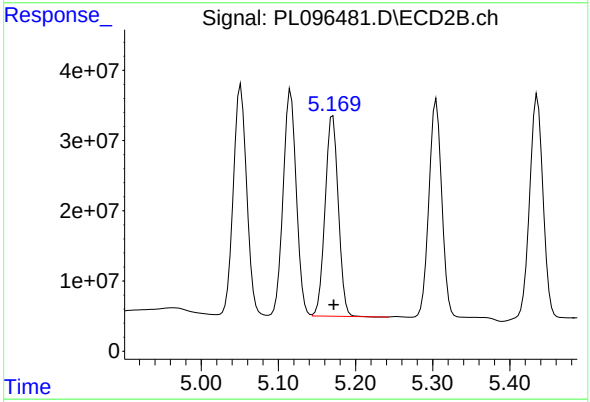
R.T.: 4.799 min
Delta R.T.: -0.001 min
Response: 371572433
Conc: 55.58 ng/ml



#9 Endosulfan I

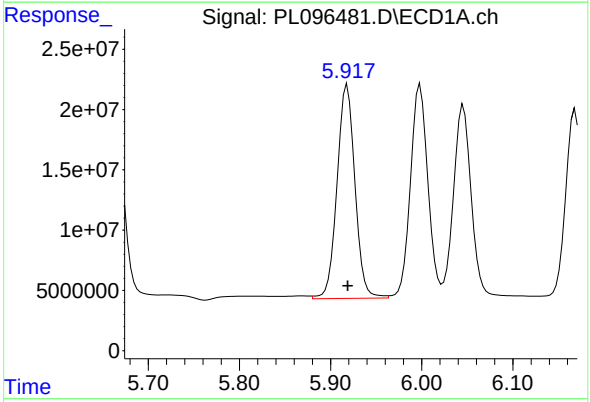
R.T.: 6.046 min
Delta R.T.: -0.001 min
Response: 214492932
Conc: 53.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



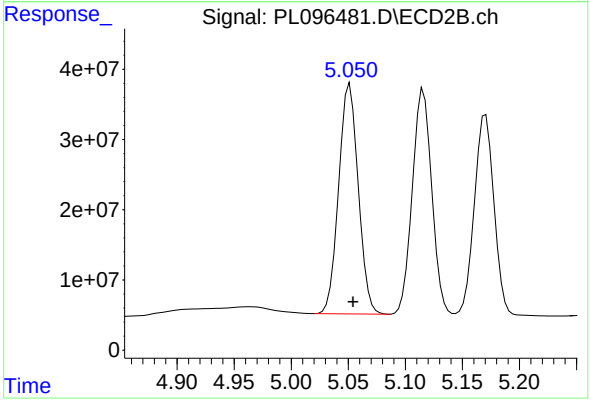
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: -0.001 min
Response: 340837162
Conc: 47.51 ng/ml



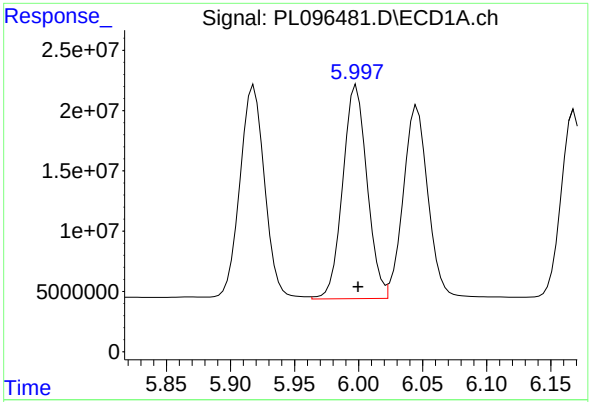
#10 gamma-Chlordane

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 242179956
Conc: 54.73 ng/ml



#10 gamma-Chlordane

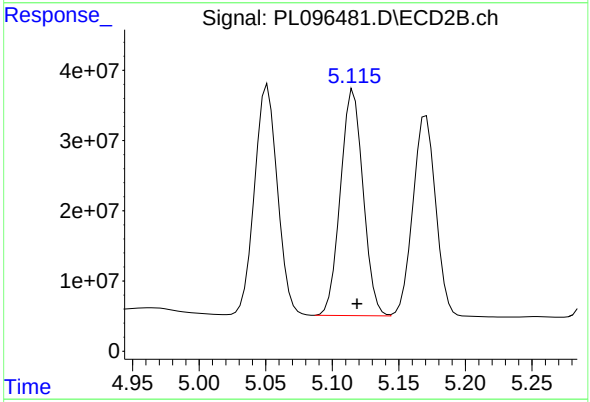
R.T.: 5.051 min
Delta R.T.: -0.003 min
Response: 391642865
Conc: 55.79 ng/ml



#11 alpha-Chlordane

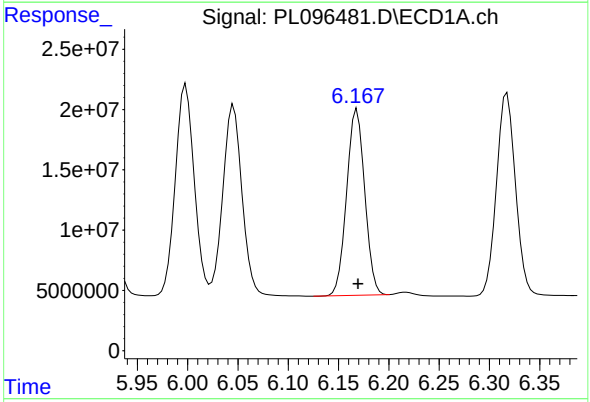
R.T.: 5.998 min
Delta R.T.: -0.001 min
Response: 234134052
Conc: 53.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



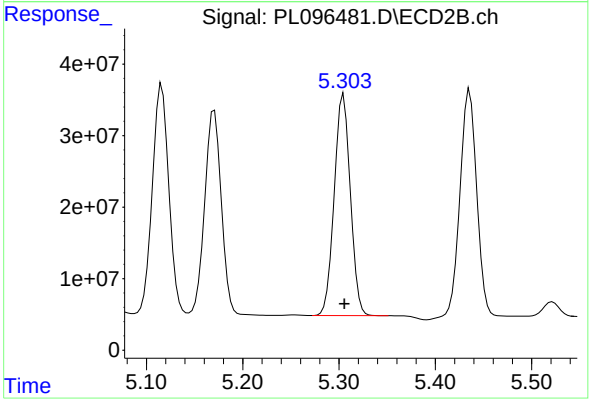
#11 alpha-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.003 min
Response: 381508807
Conc: 50.73 ng/ml



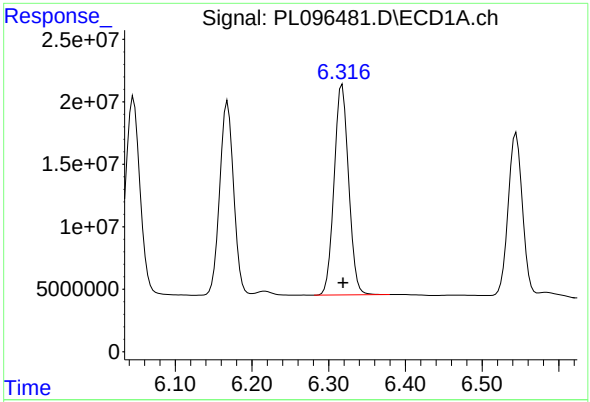
#12 4,4'-DDE

R.T.: 6.168 min
Delta R.T.: -0.001 min
Response: 192862822
Conc: 52.02 ng/ml



#12 4,4'-DDE

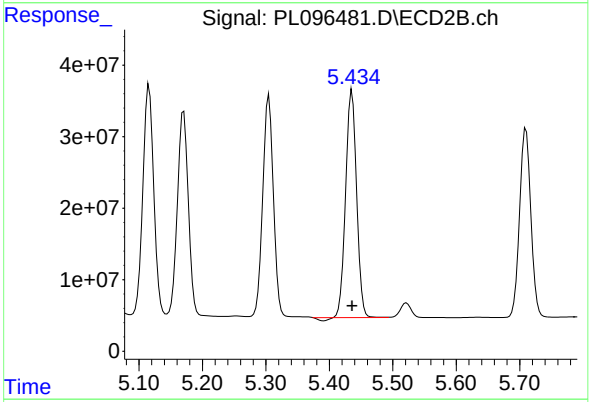
R.T.: 5.305 min
Delta R.T.: 0.000 min
Response: 359957365
Conc: 55.69 ng/ml



#13 Dieldrin

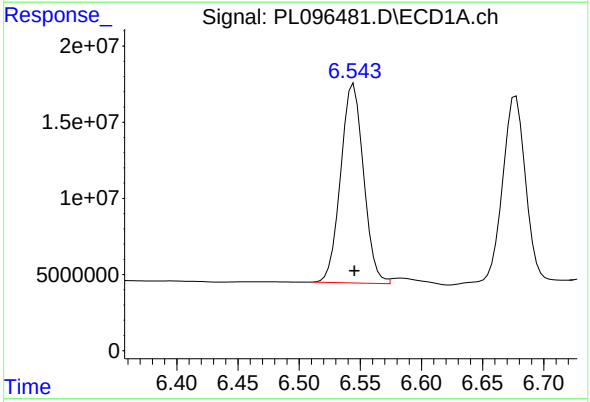
R.T.: 6.318 min
Delta R.T.: -0.001 min
Response: 221468778
Conc: 52.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



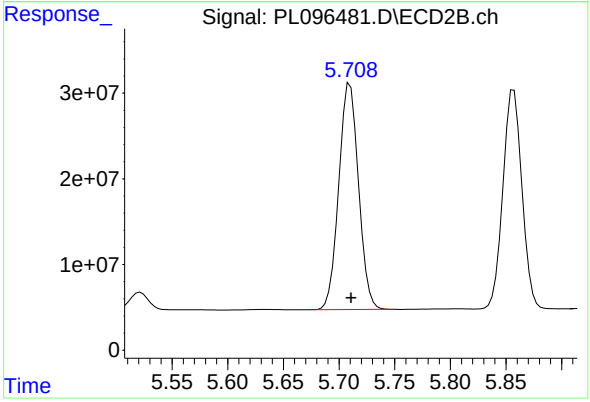
#13 Dieldrin

R.T.: 5.436 min
Delta R.T.: 0.000 min
Response: 379978107
Conc: 55.72 ng/ml



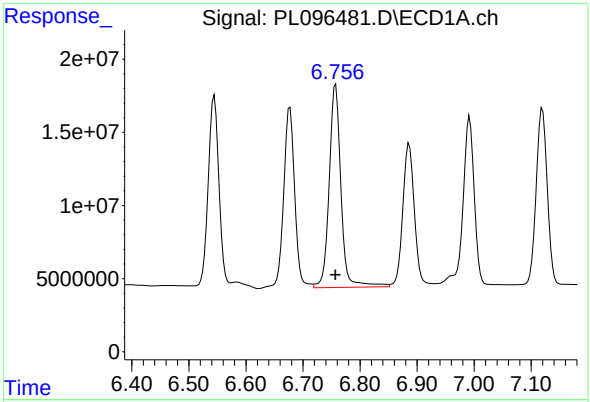
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 170016032
Conc: 54.66 ng/ml



#14 Endrin

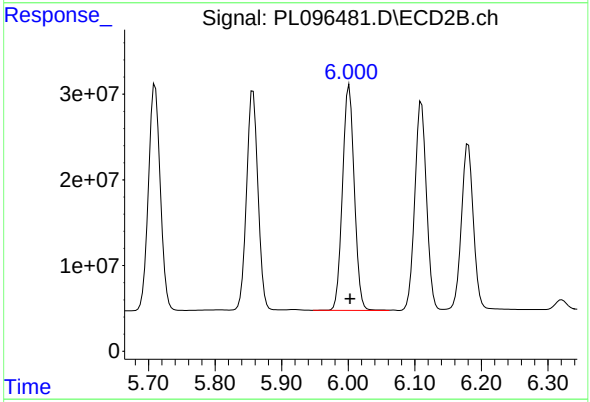
R.T.: 5.710 min
Delta R.T.: 0.000 min
Response: 325939824
Conc: 53.46 ng/ml



#15 Endosulfan II

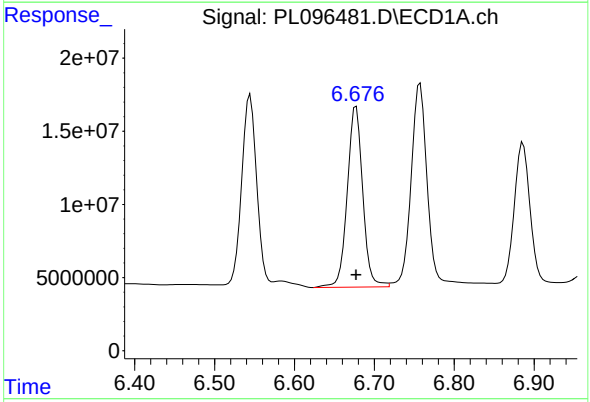
R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 200123748
Conc: 57.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



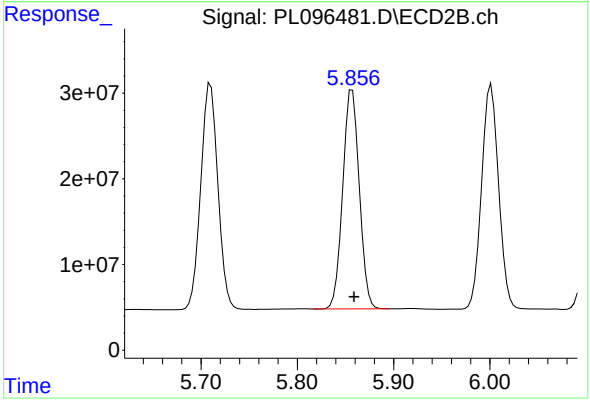
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: -0.001 min
Response: 323727891
Conc: 55.21 ng/ml



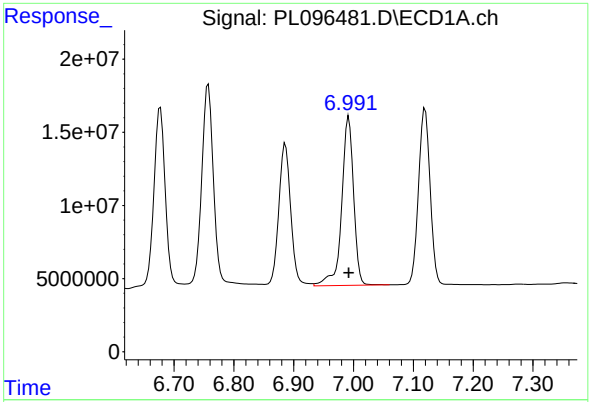
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 167036499
Conc: 57.37 ng/ml



#16 4,4'-DDD

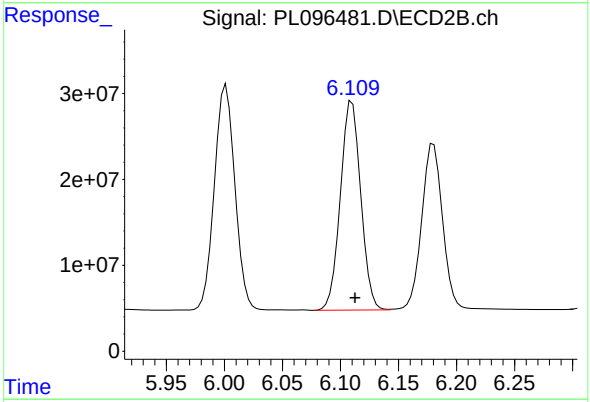
R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 304176848
Conc: 59.31 ng/ml



#17 4,4'-DDT

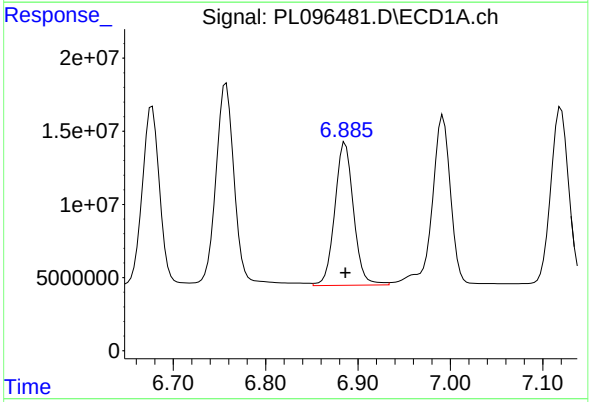
R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 160141968
Conc: 52.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



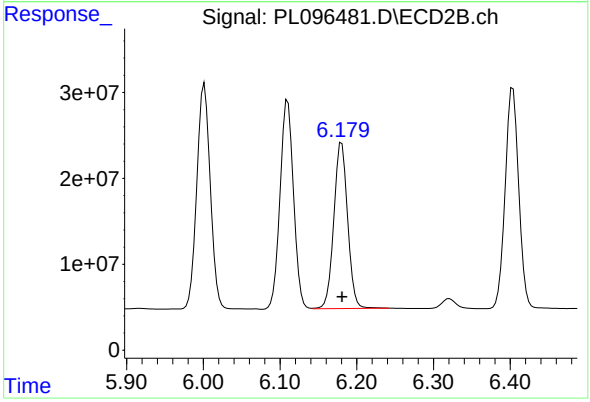
#17 4,4'-DDT

R.T.: 6.110 min
Delta R.T.: -0.003 min
Response: 297411752
Conc: 51.86 ng/ml



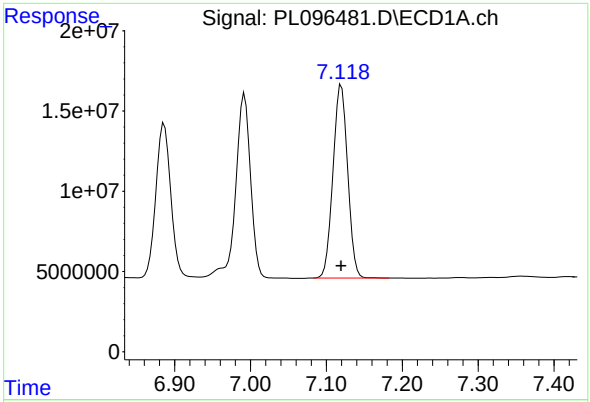
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 137795136
Conc: 61.64 ng/ml



#18 Endrin aldehyde

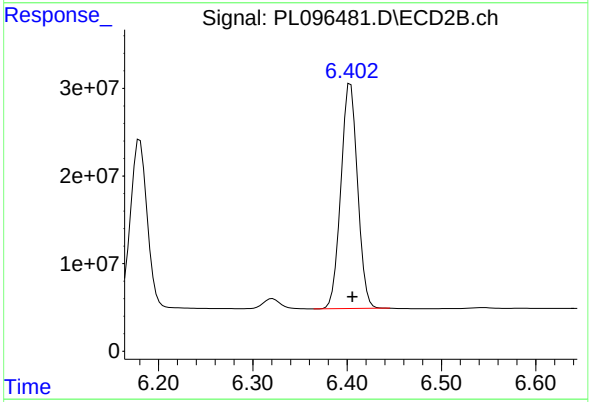
R.T.: 6.180 min
Delta R.T.: 0.000 min
Response: 241719954
Conc: 54.26 ng/ml



#19 Endosulfan Sulfate

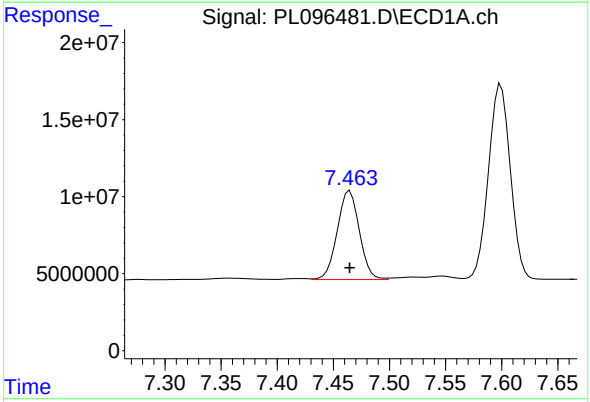
R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 161941490
Conc: 52.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



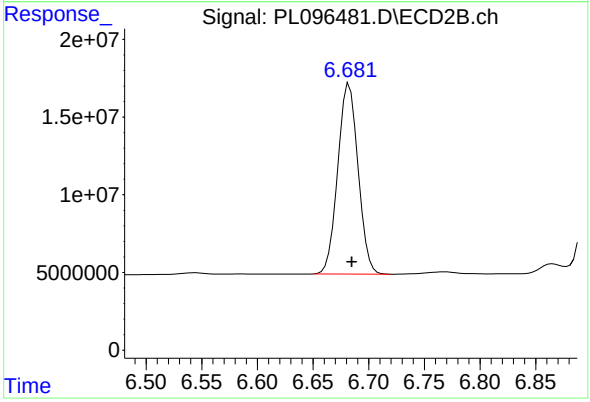
#19 Endosulfan Sulfate

R.T.: 6.404 min
Delta R.T.: -0.002 min
Response: 316362412
Conc: 56.25 ng/ml



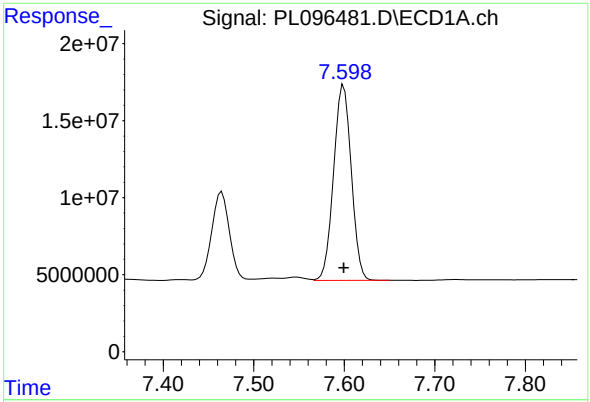
#20 Methoxychlor

R.T.: 7.465 min
Delta R.T.: 0.000 min
Response: 78916887
Conc: 50.09 ng/ml



#20 Methoxychlor

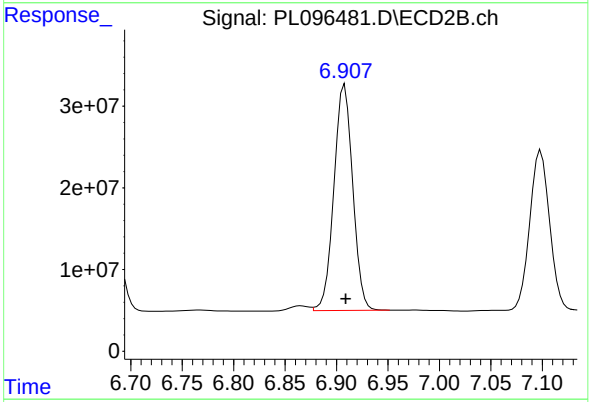
R.T.: 6.682 min
Delta R.T.: -0.002 min
Response: 155650726
Conc: 51.24 ng/ml



#21 Endrin ketone

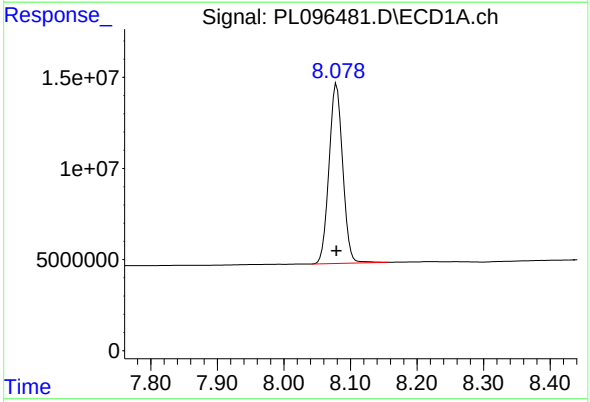
R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 172243759
Conc: 52.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



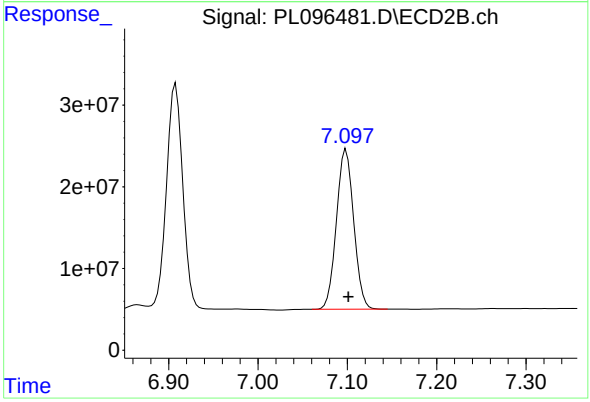
#21 Endrin ketone

R.T.: 6.908 min
Delta R.T.: 0.000 min
Response: 352111948
Conc: 56.32 ng/ml



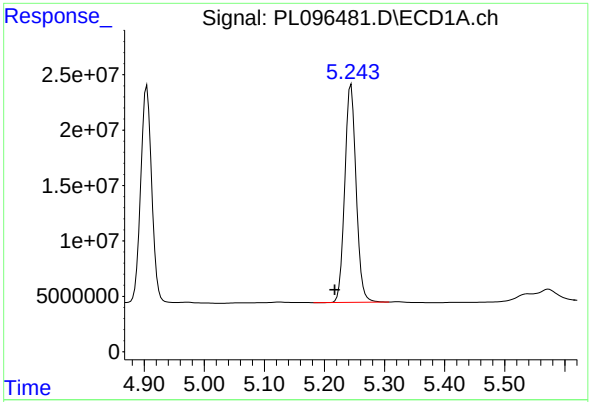
#22 Mirex

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 140910097
Conc: 50.65 ng/ml



#22 Mirex

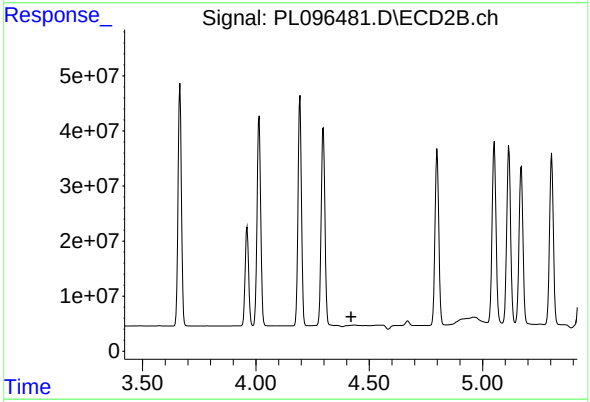
R.T.: 7.099 min
Delta R.T.: -0.002 min
Response: 262787795
Conc: 52.89 ng/ml



#24 Chlordane-2

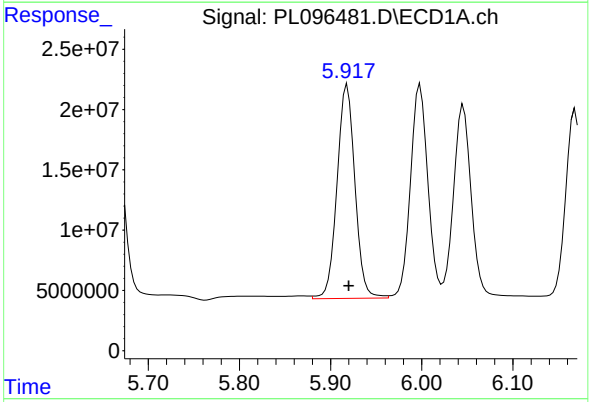
R.T.: 5.244 min
Delta R.T.: 0.027 min
Response: 256680586
Conc: 1311.07 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



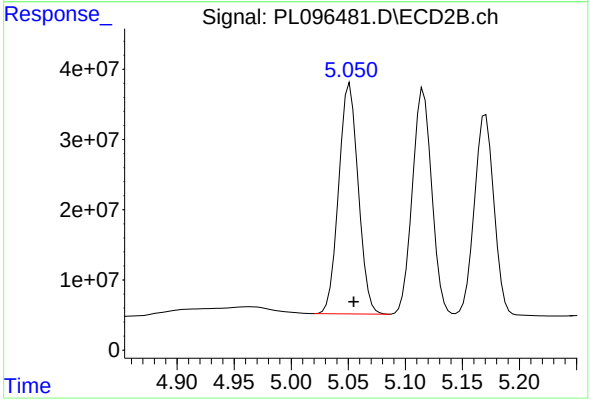
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.420 min
Response: 0
Conc: N.D.



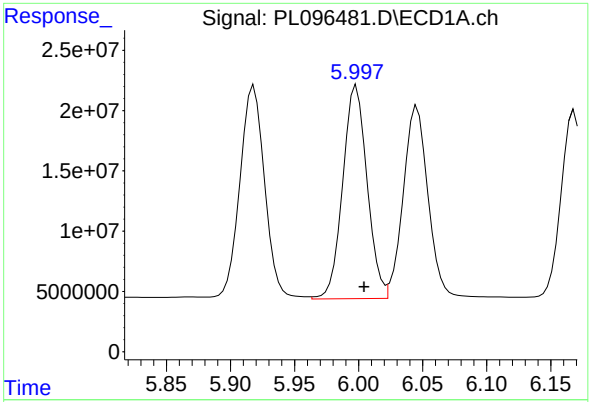
#25 Chlordane-3

R.T.: 5.918 min
Delta R.T.: -0.002 min
Response: 242179956
Conc: 328.71 ng/ml



#25 Chlordane-3

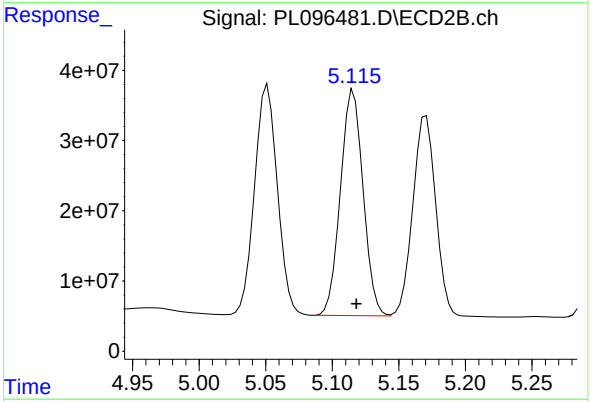
R.T.: 5.051 min
Delta R.T.: -0.003 min
Response: 391642865
Conc: 486.79 ng/ml



#26 Chlordane-4

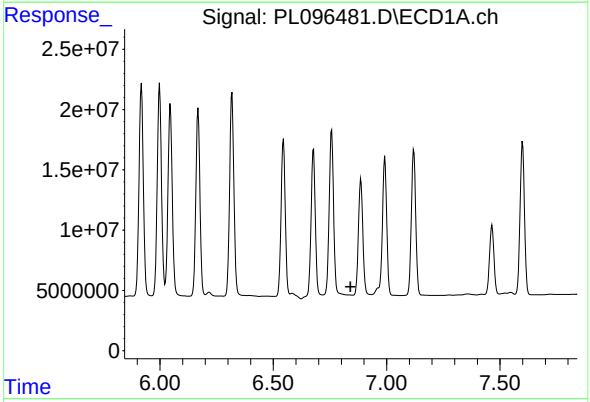
R.T.: 5.998 min
Delta R.T.: -0.006 min
Response: 234134052
Conc: 260.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



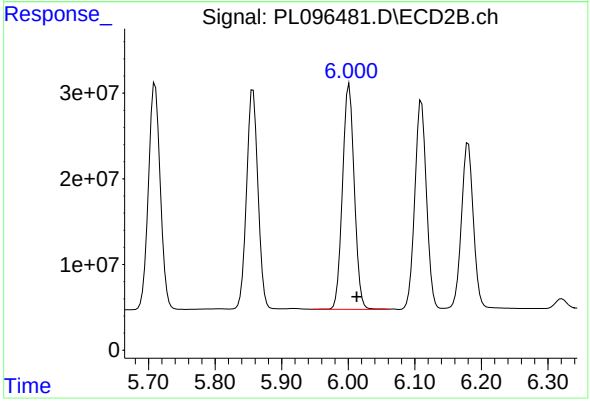
#26 Chlordane-4

R.T.: 5.116 min
Delta R.T.: -0.002 min
Response: 381508807
Conc: 507.71 ng/ml



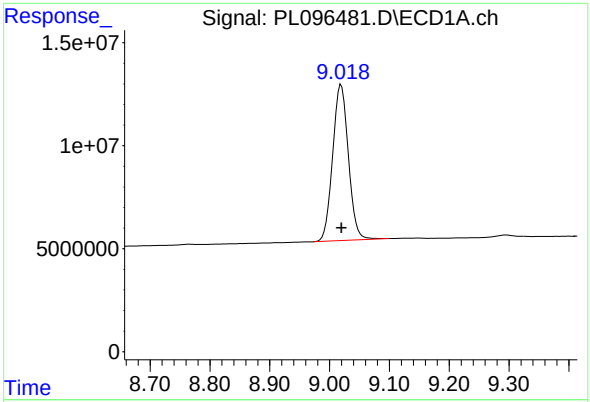
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.841 min
Response: 0
Conc: N.D.



#27 Chlordane-5

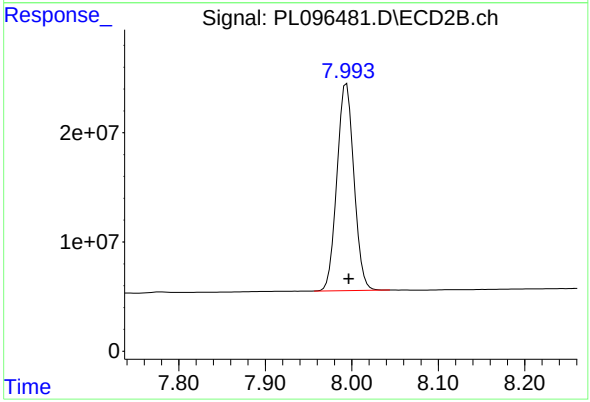
R.T.: 6.001 min
Delta R.T.: -0.011 min
Response: 323727891
Conc: 1142.10 ng/ml



#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	#

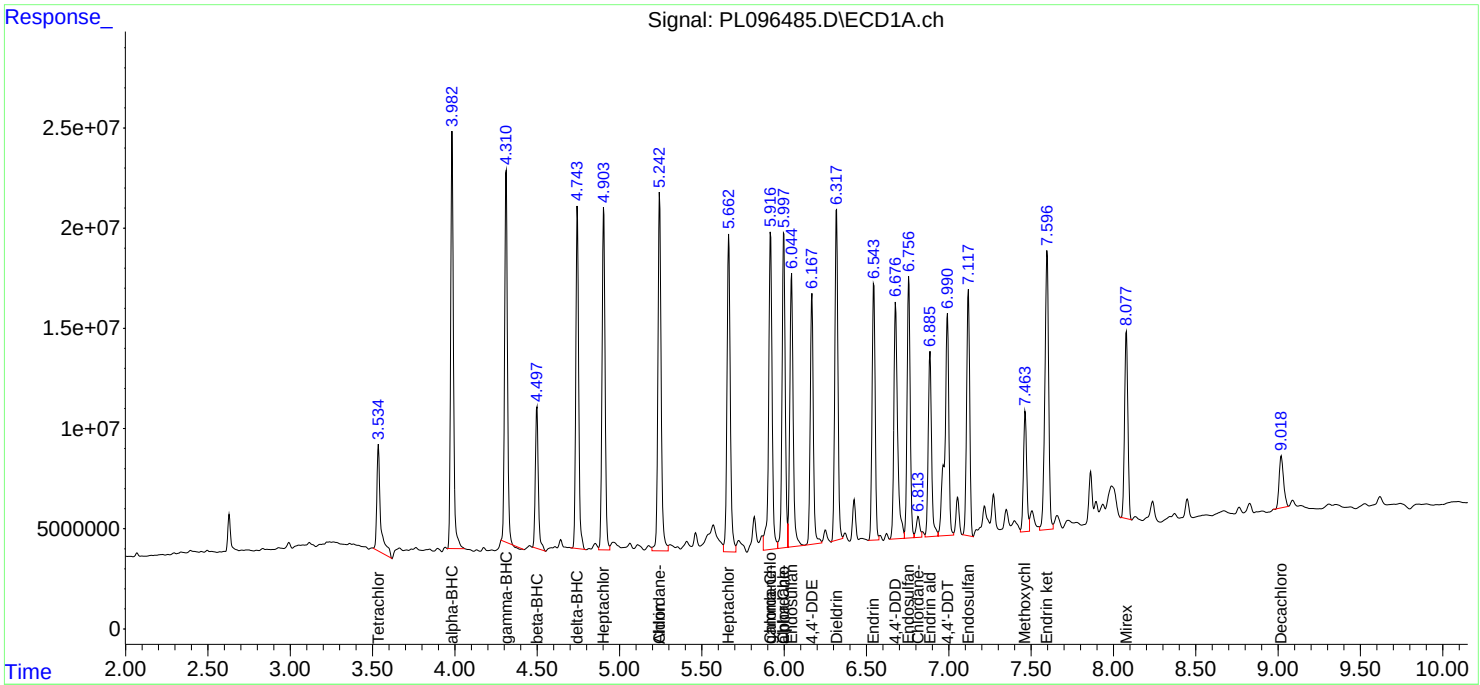
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

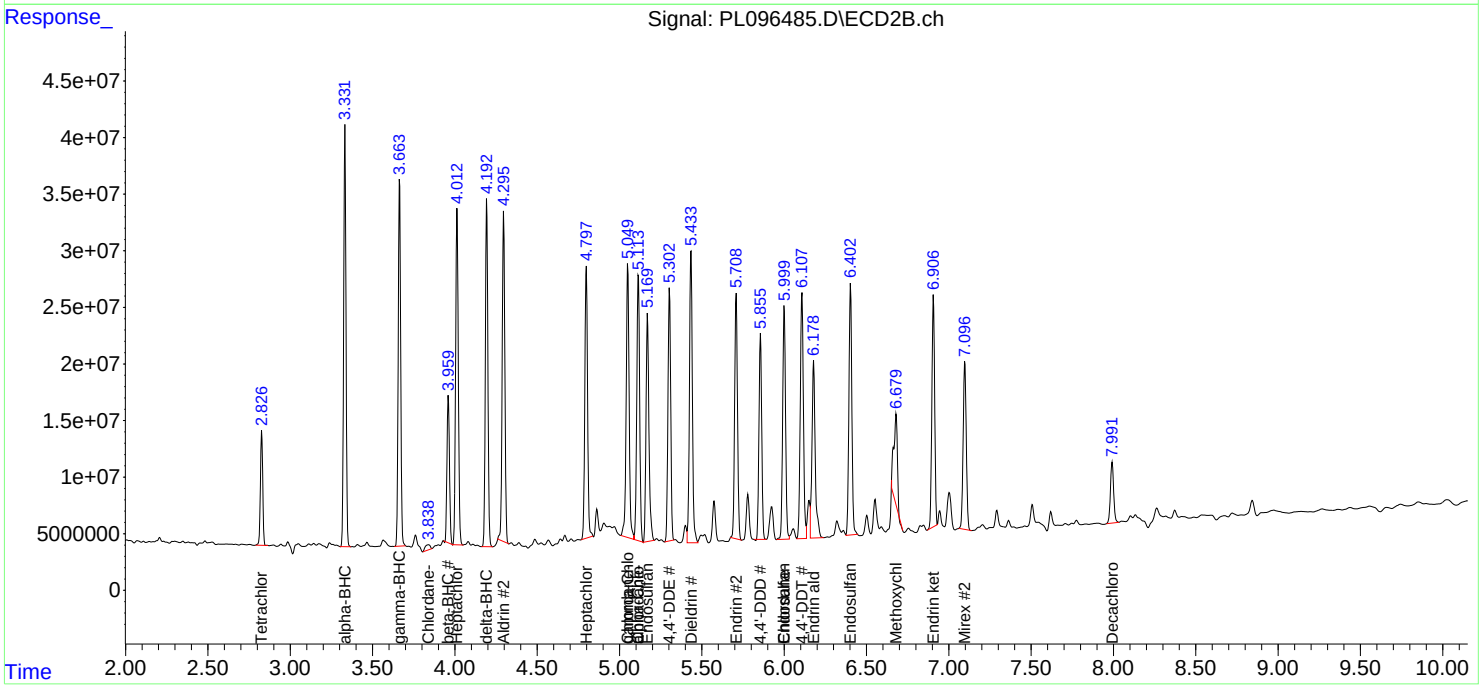
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096485.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:05
Operator : AR\AJ
Sample : Q2635-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

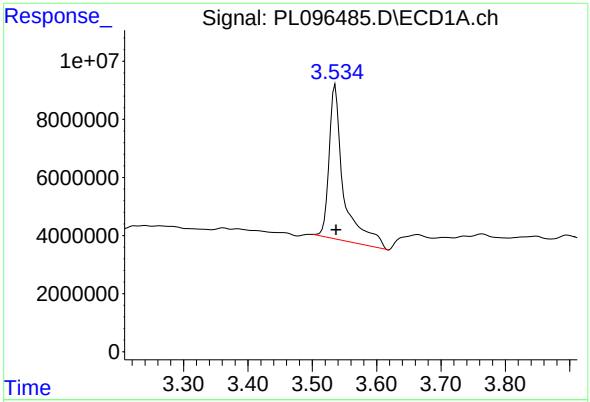
Instrument :
ECD_L
ClientSampleId :
RT2286MS

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



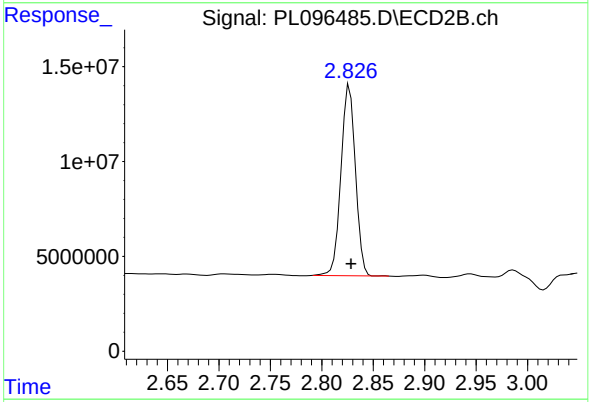




#1 Tetrachloro-m-xylene

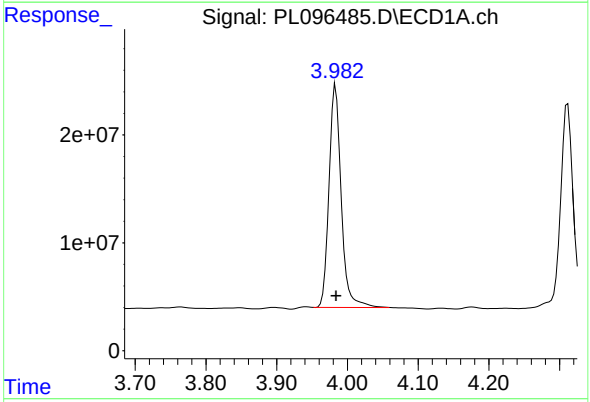
R.T.: 3.536 min
Delta R.T.: -0.001 min
Response: 83362672
Conc: 22.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



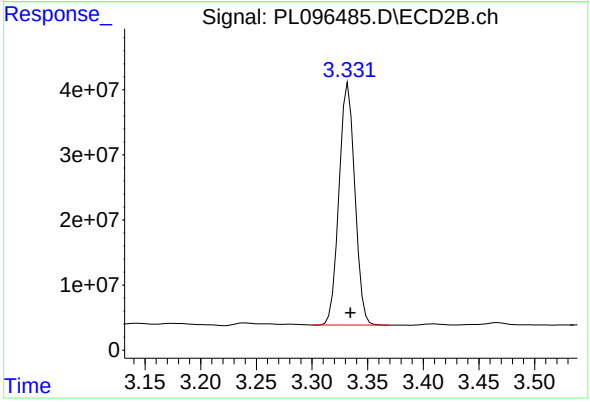
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.001 min
Response: 98410848
Conc: 17.05 ng/ml



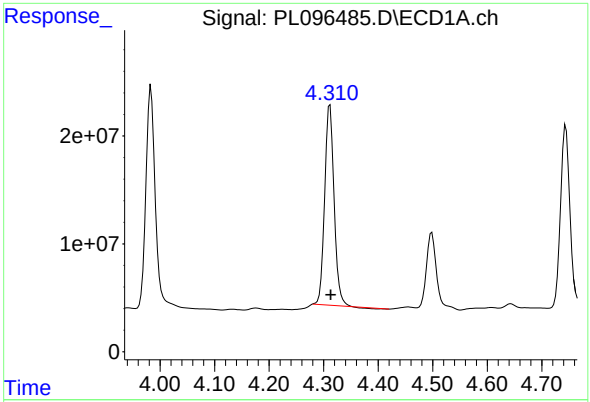
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 247477342
Conc: 48.12 ng/ml



#2 alpha-BHC

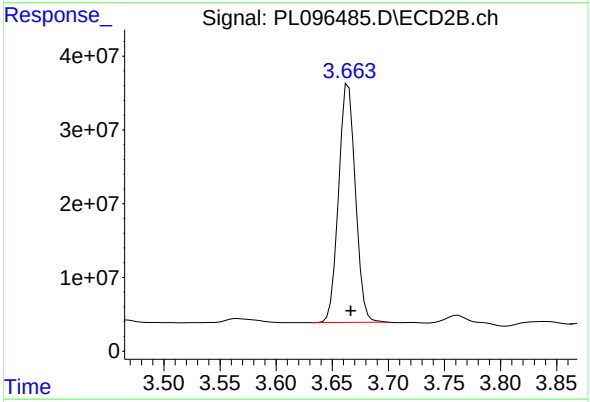
R.T.: 3.333 min
Delta R.T.: -0.002 min
Response: 367840051
Conc: 43.61 ng/ml



#3 gamma-BHC (Lindane)

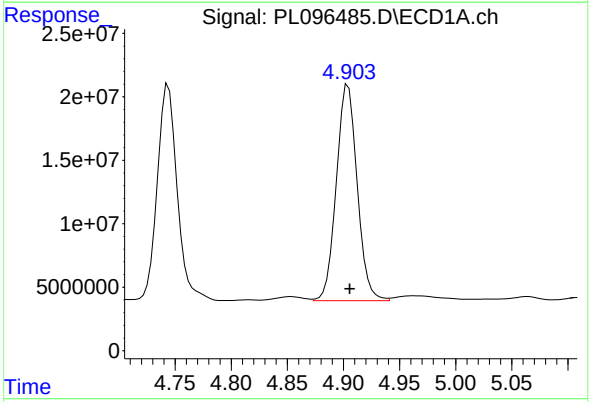
R.T.: 4.312 min
Delta R.T.: -0.001 min
Response: 221640004
Conc: 44.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



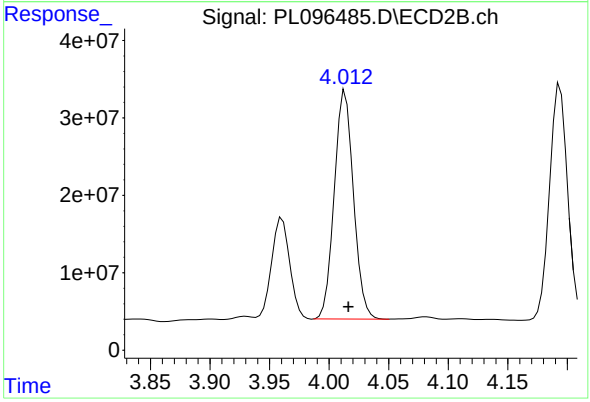
#3 gamma-BHC (Lindane)

R.T.: 3.664 min
Delta R.T.: -0.002 min
Response: 337702944
Conc: 42.88 ng/ml



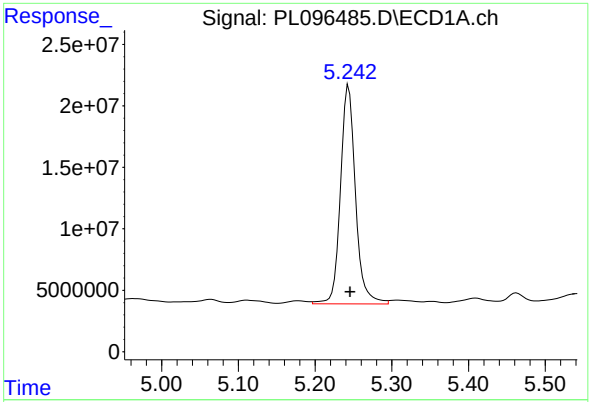
#4 Heptachlor

R.T.: 4.904 min
Delta R.T.: -0.001 min
Response: 220258730
Conc: 48.08 ng/ml



#4 Heptachlor

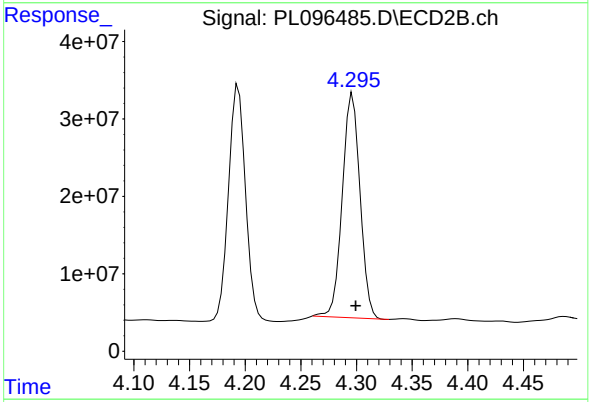
R.T.: 4.014 min
Delta R.T.: -0.003 min
Response: 330945867
Conc: 43.50 ng/ml



#5 Aldrin

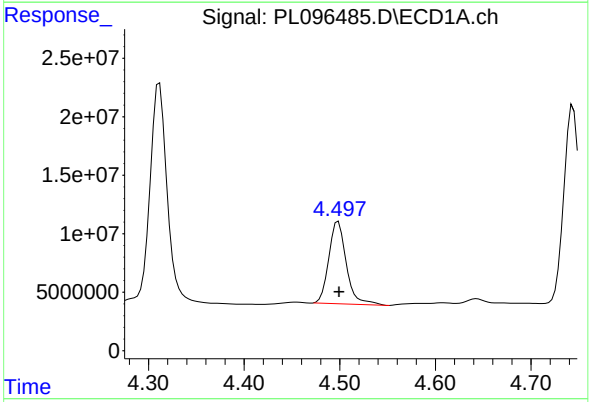
R.T.: 5.244 min
Delta R.T.: -0.002 min
Response: 243203854
Conc: 50.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



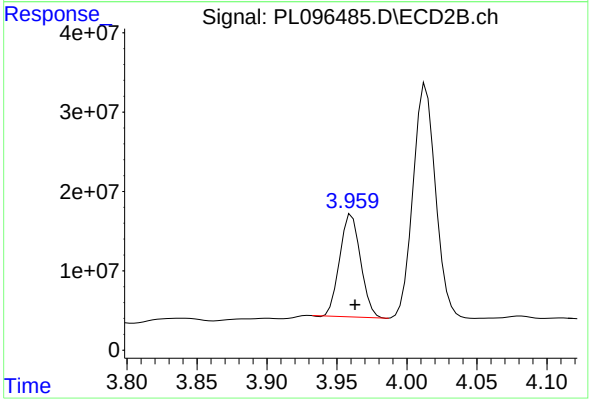
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: -0.003 min
Response: 322217232
Conc: 44.17 ng/ml



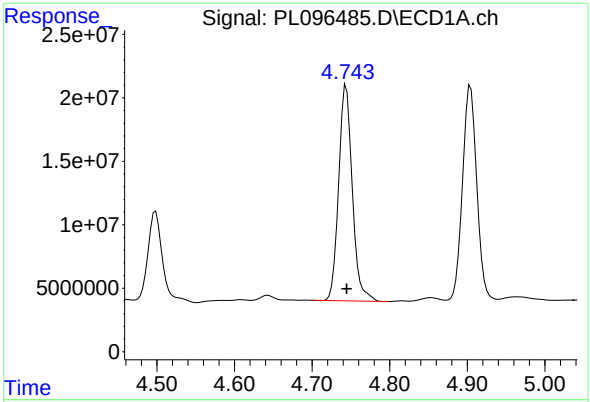
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: -0.001 min
Response: 89450562
Conc: 43.03 ng/ml



#6 beta-BHC

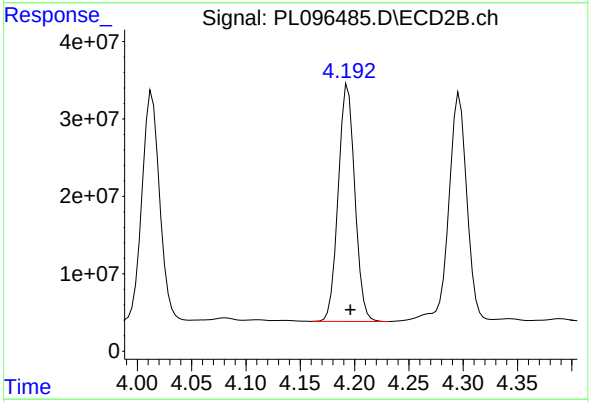
R.T.: 3.961 min
Delta R.T.: -0.002 min
Response: 134399340
Conc: 39.25 ng/ml



#7 delta-BHC

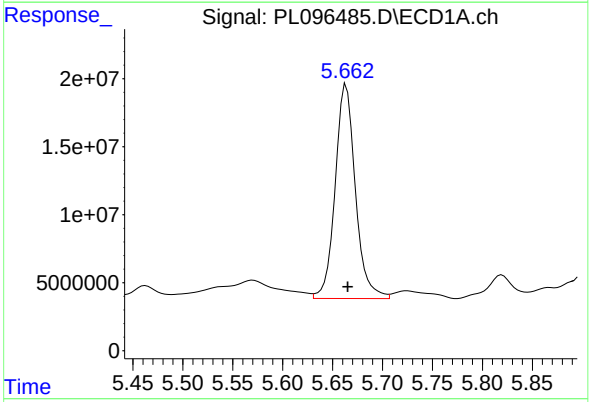
R.T.: 4.744 min
Delta R.T.: 0.000 min
Response: 207860865
Conc: 46.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



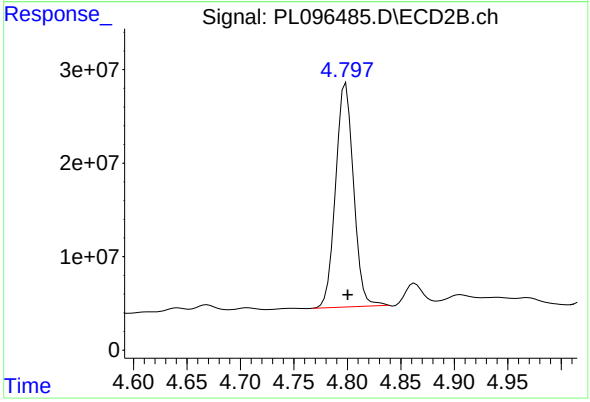
#7 delta-BHC

R.T.: 4.194 min
Delta R.T.: -0.002 min
Response: 325332332
Conc: 42.24 ng/ml



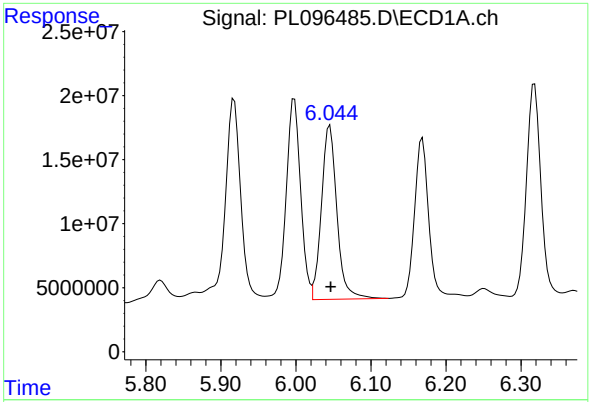
#8 Heptachlor epoxide

R.T.: 5.664 min
Delta R.T.: -0.002 min
Response: 222262155
Conc: 53.57 ng/ml



#8 Heptachlor epoxide

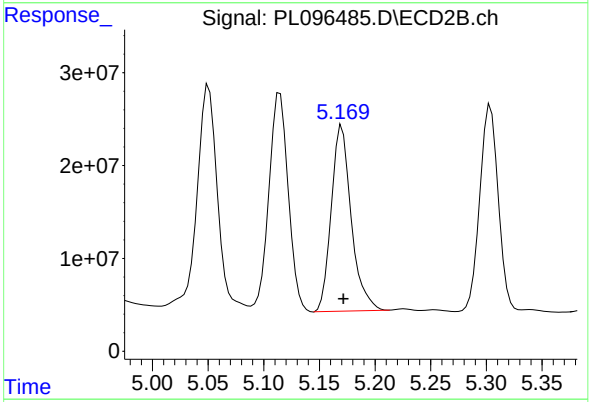
R.T.: 4.799 min
Delta R.T.: -0.002 min
Response: 280222115
Conc: 41.92 ng/ml



#9 Endosulfan I

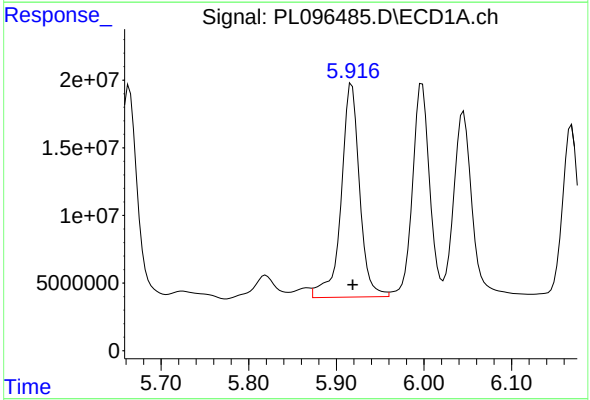
R.T.: 6.045 min
Delta R.T.: -0.001 min
Response: 194505009
Conc: 48.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



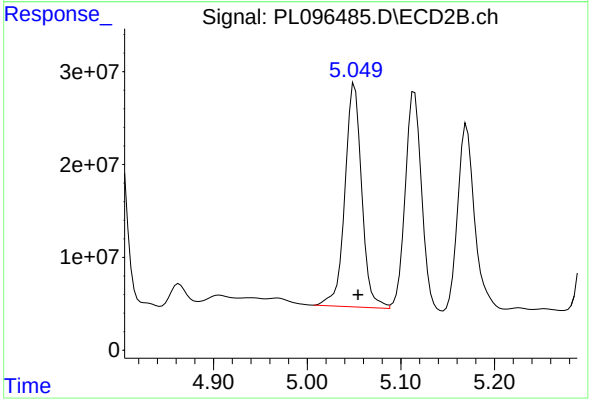
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: -0.001 min
Response: 249912652
Conc: 34.84 ng/ml



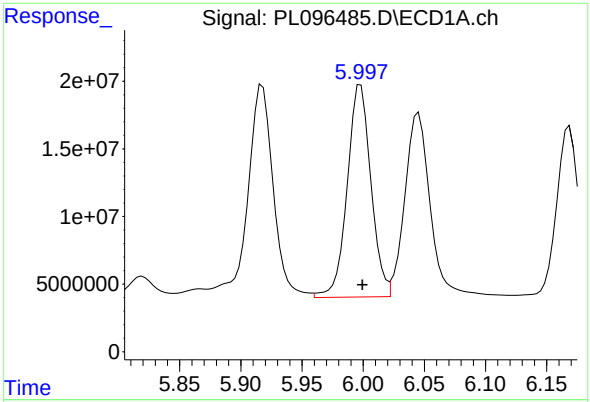
#10 gamma-Chlordane

R.T.: 5.918 min
Delta R.T.: -0.001 min
Response: 231006817
Conc: 52.21 ng/ml



#10 gamma-Chlordane

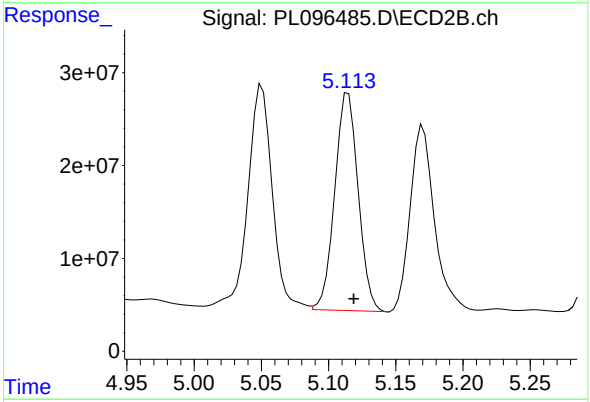
R.T.: 5.051 min
Delta R.T.: -0.004 min
Response: 301011434
Conc: 42.88 ng/ml



#11 alpha-Chlordane

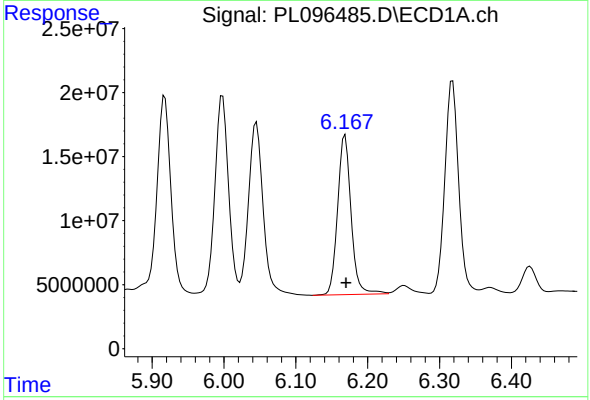
R.T.: 5.998 min
Delta R.T.: -0.002 min
Response: 211707088
Conc: 48.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



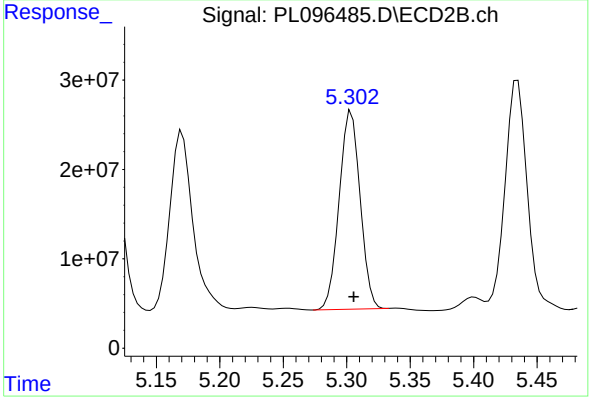
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.004 min
Response: 283125528
Conc: 37.65 ng/ml



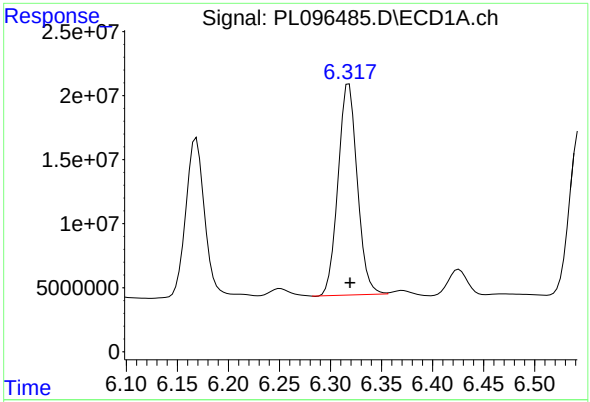
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: -0.001 min
Response: 162338558
Conc: 43.79 ng/ml



#12 4,4'-DDE

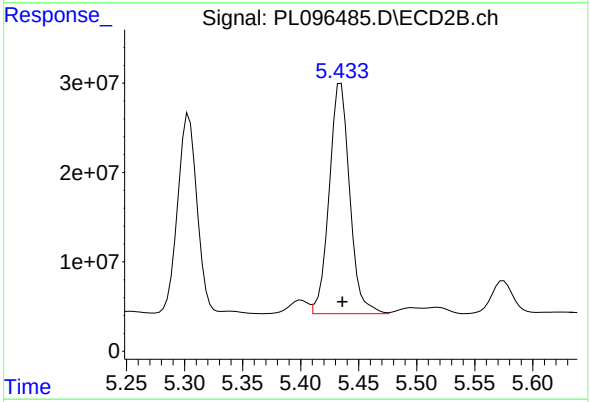
R.T.: 5.304 min
Delta R.T.: -0.002 min
Response: 254743071
Conc: 39.41 ng/ml



#13 Dieldrin

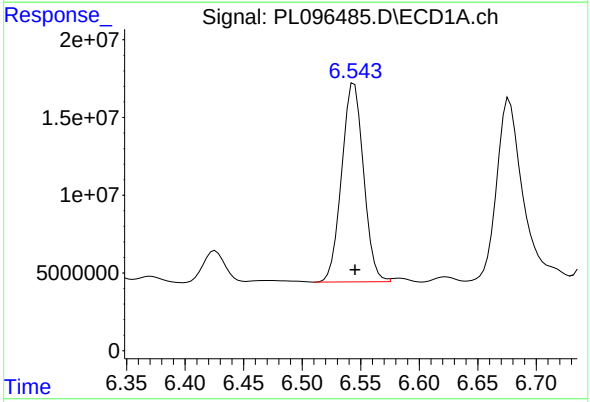
R.T.: 6.318 min
Delta R.T.: 0.000 min
Response: 216198759
Conc: 51.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



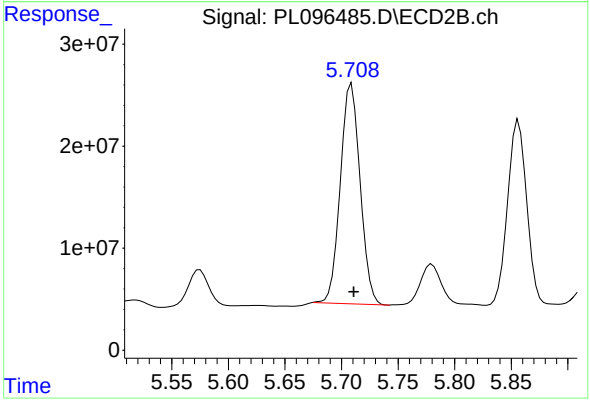
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: -0.001 min
Response: 317140615
Conc: 46.51 ng/ml



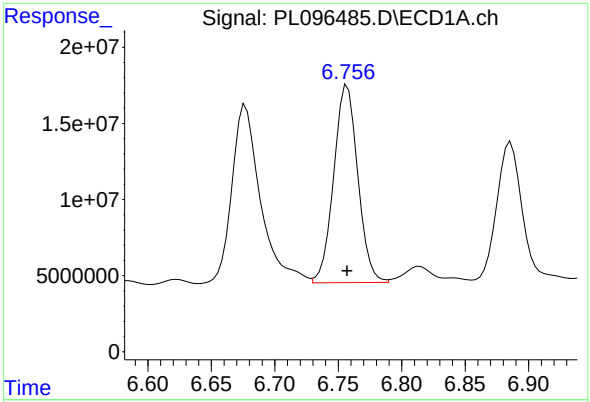
#14 Endrin

R.T.: 6.544 min
Delta R.T.: 0.000 min
Response: 166000838
Conc: 53.37 ng/ml



#14 Endrin

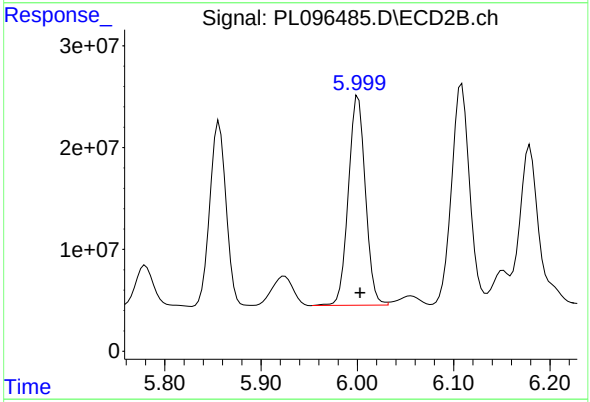
R.T.: 5.709 min
Delta R.T.: -0.002 min
Response: 262575142
Conc: 43.07 ng/ml



#15 Endosulfan II

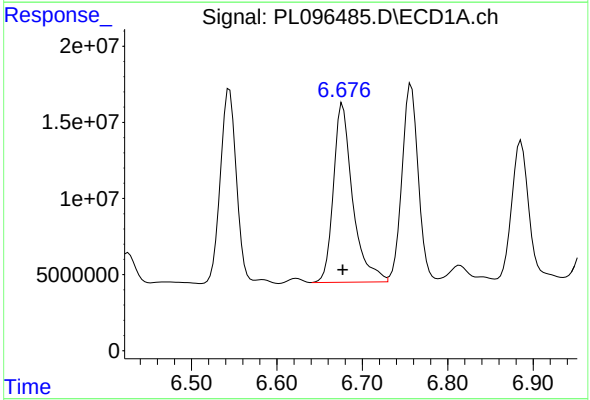
R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 171613188
Conc: 49.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



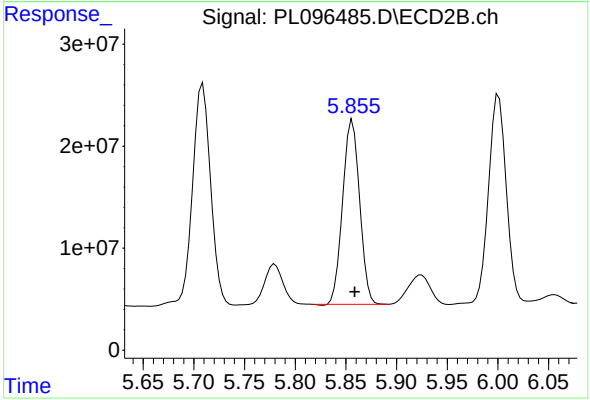
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: -0.002 min
Response: 252296729
Conc: 43.03 ng/ml



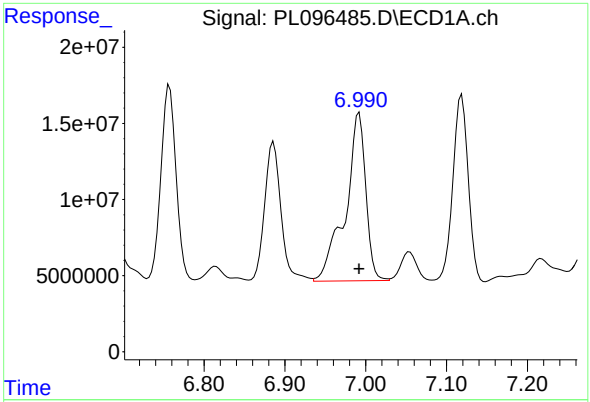
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 184374251
Conc: 63.32 ng/ml



#16 4,4'-DDD

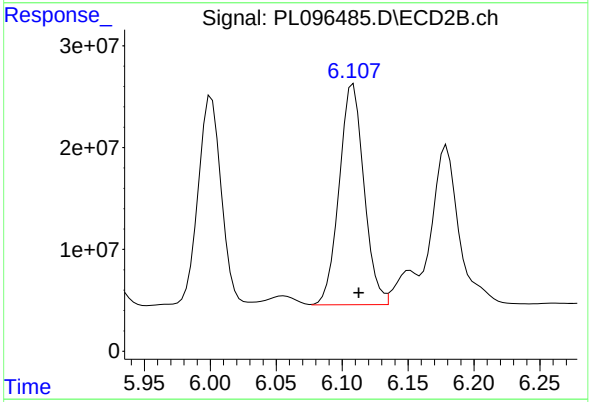
R.T.: 5.856 min
Delta R.T.: -0.002 min
Response: 210352325
Conc: 41.01 ng/ml



#17 4,4'-DDT

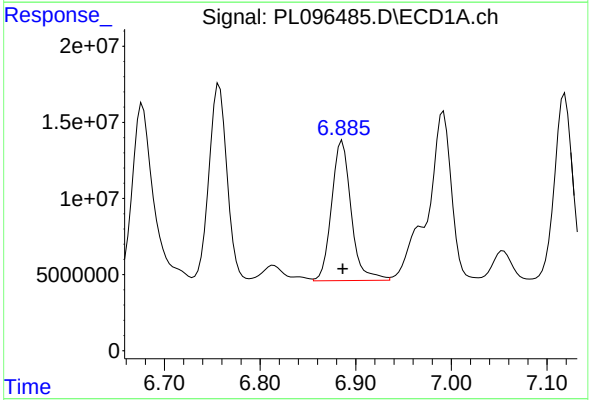
R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 193642340
Conc: 63.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



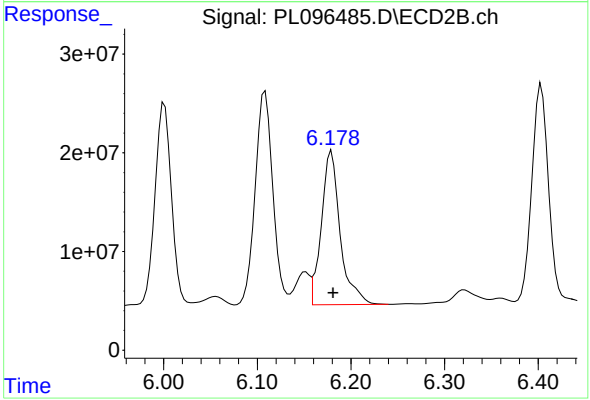
#17 4,4'-DDT

R.T.: 6.108 min
Delta R.T.: -0.004 min
Response: 283200636
Conc: 49.38 ng/ml



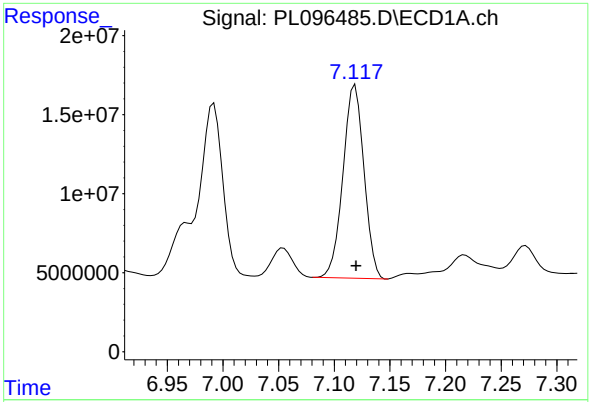
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 130703369
Conc: 58.47 ng/ml



#18 Endrin aldehyde

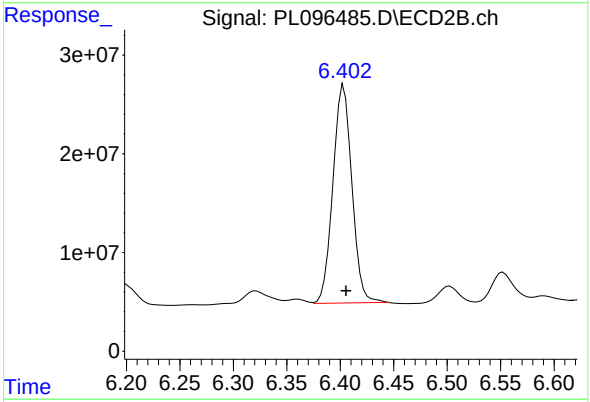
R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 217892290
Conc: 48.91 ng/ml



#19 Endosulfan Sulfate

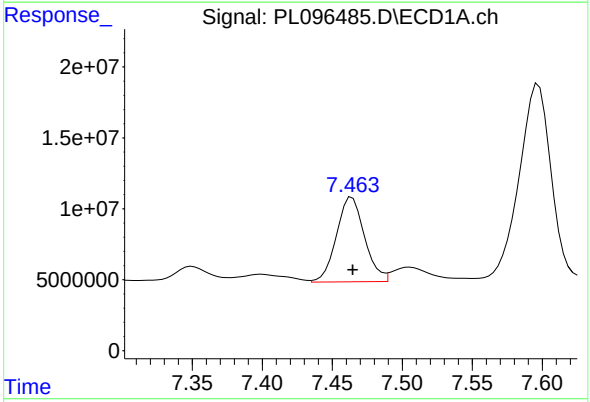
R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 160588718
Conc: 52.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



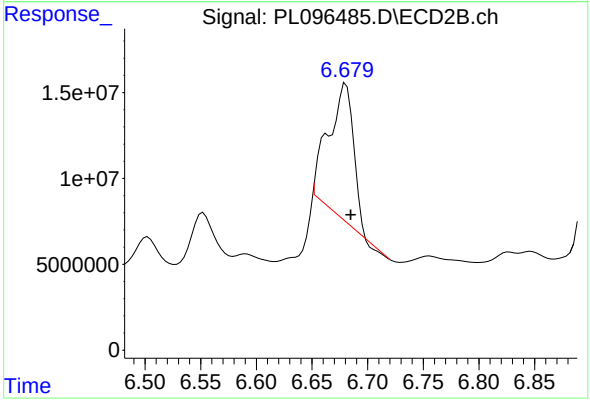
#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: -0.002 min
Response: 272912925
Conc: 48.52 ng/ml



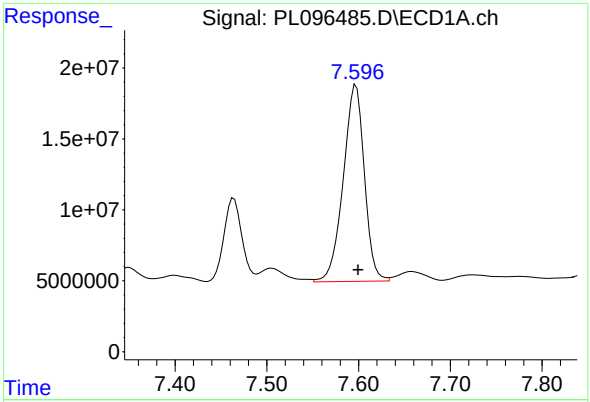
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 83440702
Conc: 52.96 ng/ml



#20 Methoxychlor

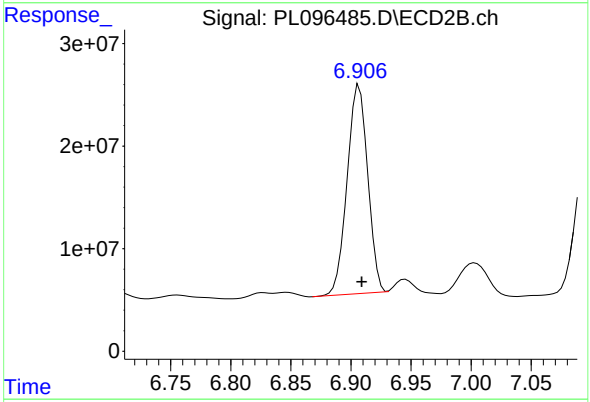
R.T.: 6.681 min
Delta R.T.: -0.004 min
Response: 116203911
Conc: 38.25 ng/ml



#21 Endrin ketone

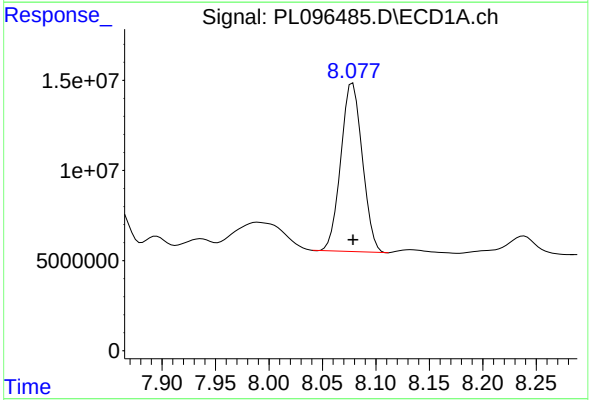
R.T.: 7.597 min
Delta R.T.: -0.002 min
Response: 221735458
Conc: 67.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



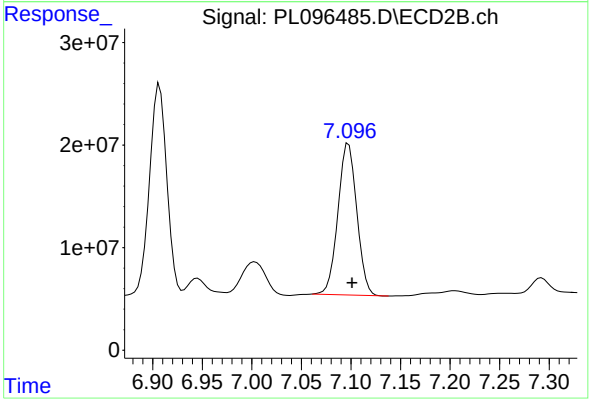
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: -0.002 min
Response: 242799225
Conc: 38.83 ng/ml



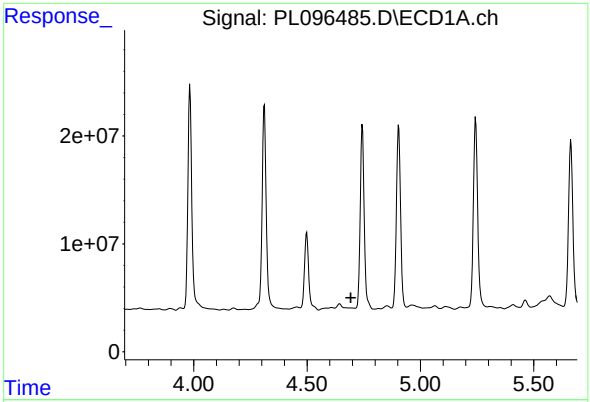
#22 Mirex

R.T.: 8.078 min
Delta R.T.: 0.000 min
Response: 131041880
Conc: 47.10 ng/ml



#22 Mirex

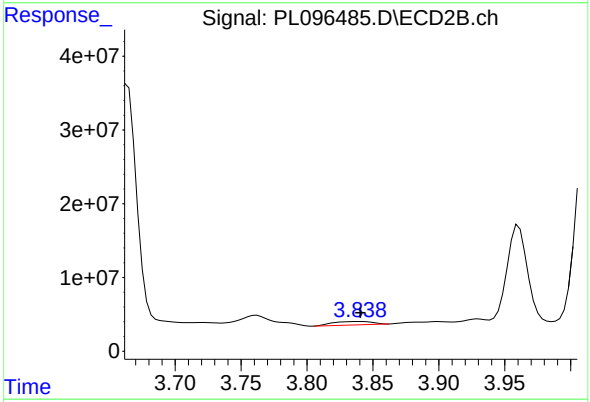
R.T.: 7.098 min
Delta R.T.: -0.003 min
Response: 195865261
Conc: 39.42 ng/ml



#23 Chlordane-1

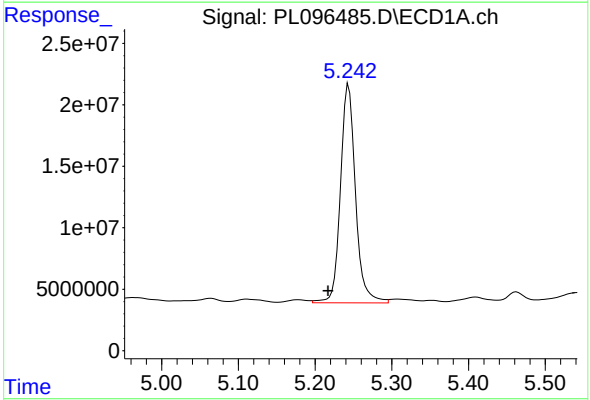
R.T.: 0.000 min
Exp R.T. : 4.693 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
RT2286MS



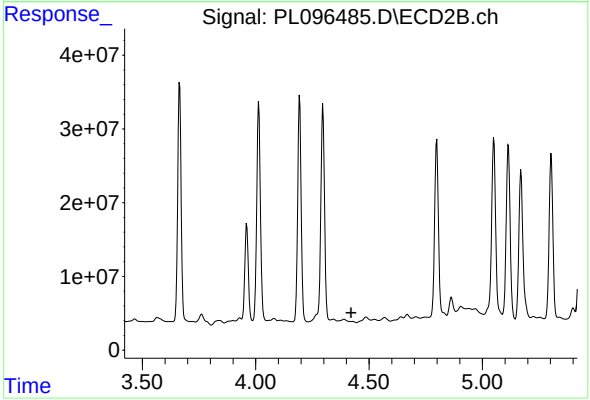
#23 Chlordane-1

R.T.: 3.840 min
Delta R.T.: 0.000 min
Response: 9883442
Conc: 41.82 ng/ml



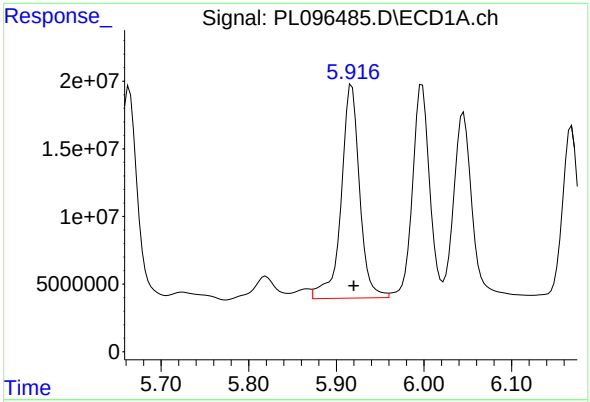
#24 Chlordane-2

R.T.: 5.244 min
Delta R.T.: 0.027 min
Response: 243203854
Conc: 1242.23 ng/ml



#24 Chlordane-2

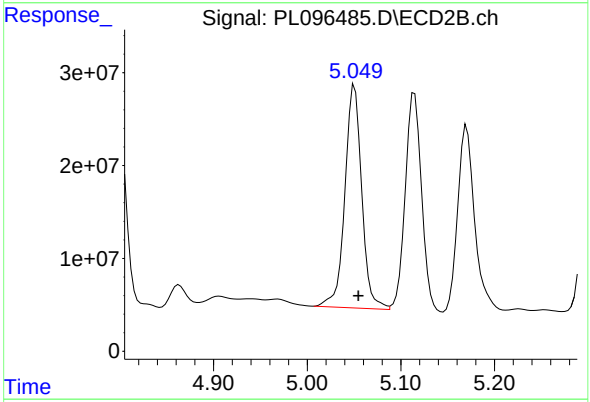
R.T.: 0.000 min
Exp R.T. : 4.420 min
Response: 0
Conc: N.D.



#25 Chlordane-3

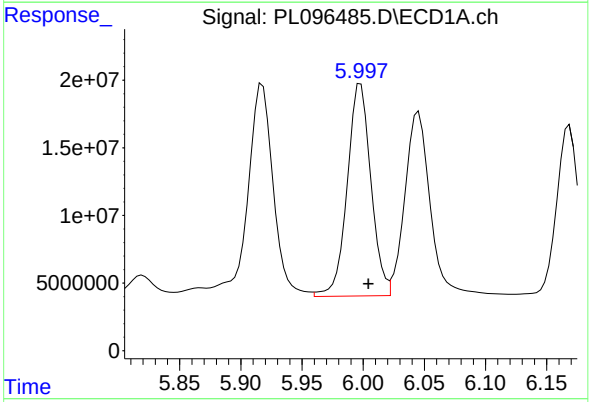
R.T.: 5.918 min
Delta R.T.: -0.002 min
Response: 231006817
Conc: 313.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



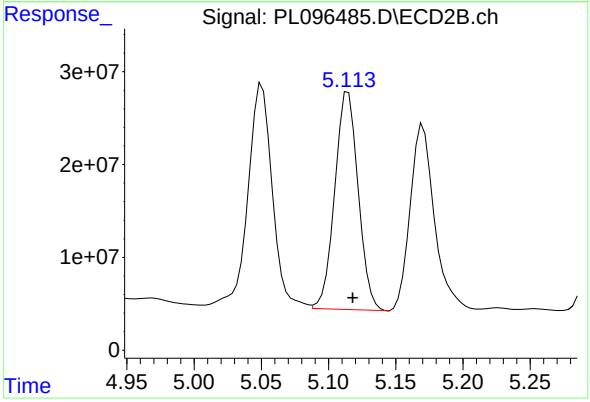
#25 Chlordane-3

R.T.: 5.051 min
Delta R.T.: -0.004 min
Response: 301011434
Conc: 374.14 ng/ml



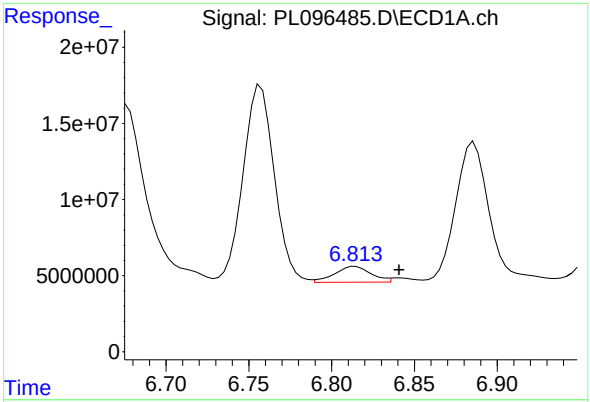
#26 Chlordane-4

R.T.: 5.998 min
Delta R.T.: -0.006 min
Response: 211707088
Conc: 235.96 ng/ml



#26 Chlordane-4

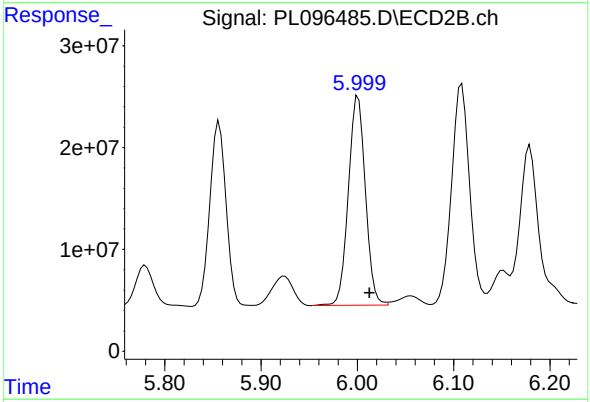
R.T.: 5.115 min
Delta R.T.: -0.003 min
Response: 283125528
Conc: 376.78 ng/ml



#27 Chlordane-5

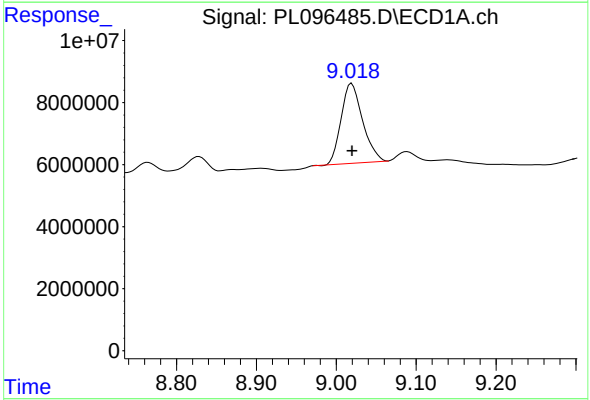
R.T.: 6.814 min
Delta R.T.: -0.026 min
Response: 15867270
Conc: 105.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MS



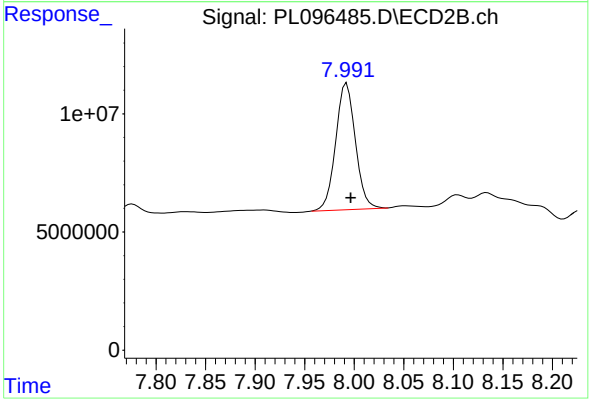
#27 Chlordane-5

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	#

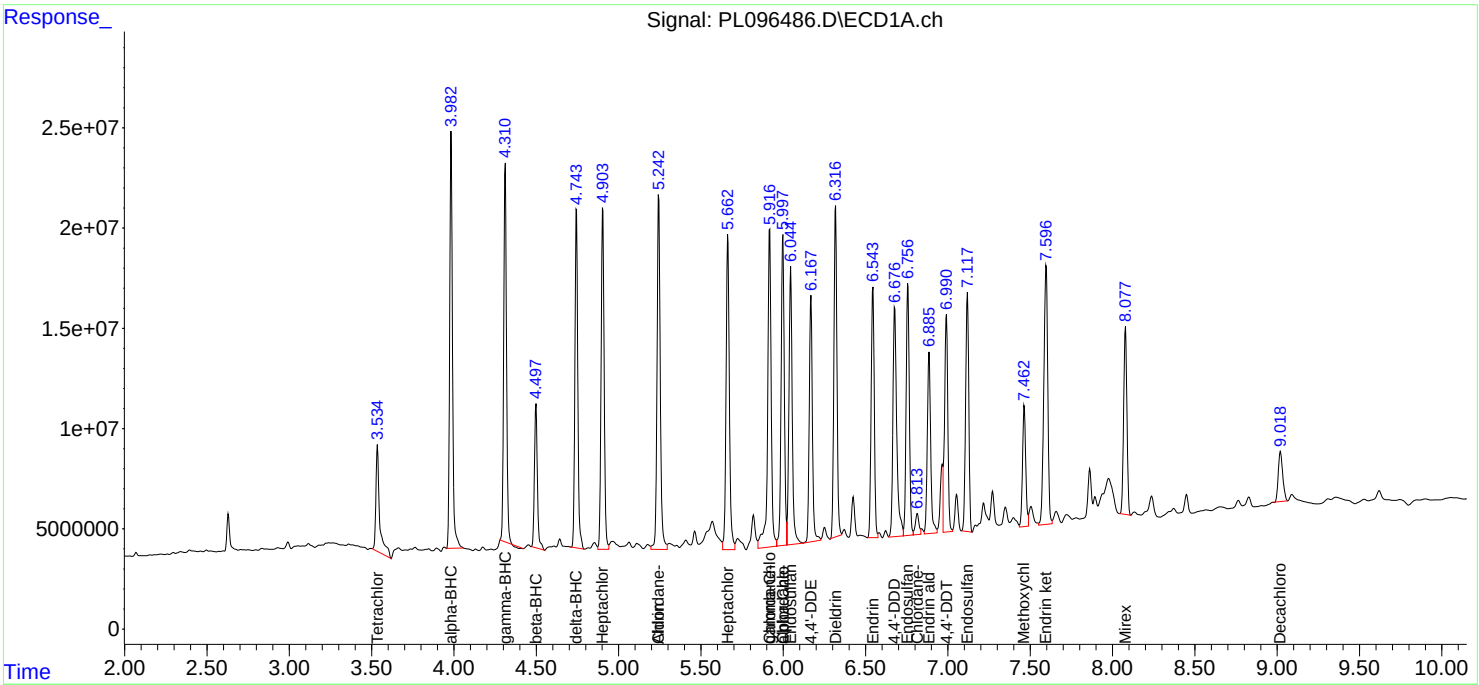
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

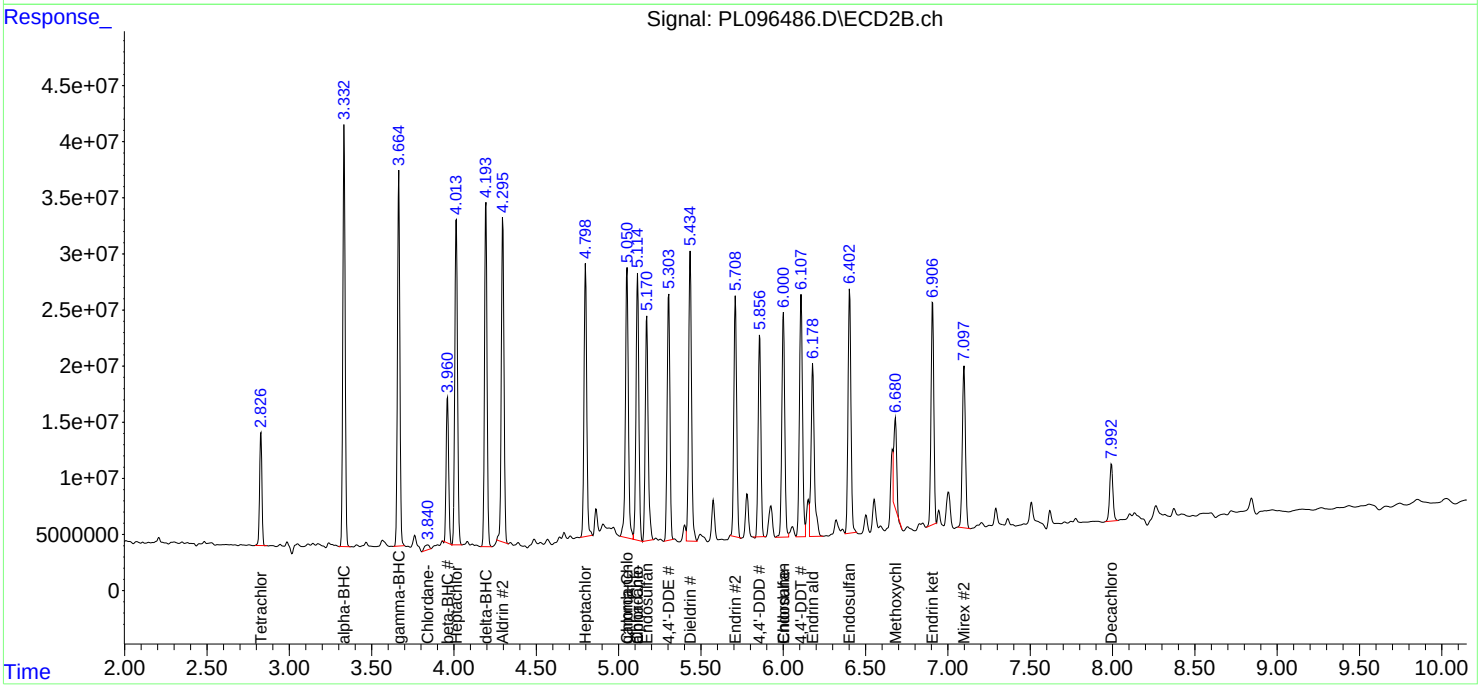
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096486.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 14:19
Operator : AR\AJ
Sample : Q2635-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

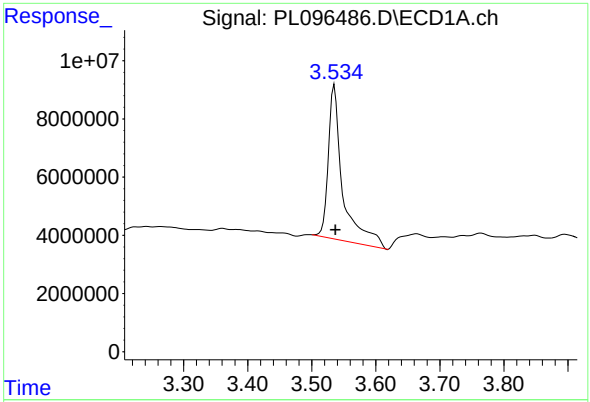
Instrument :
ECD_L
ClientSampleId :
RT2286MSD

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



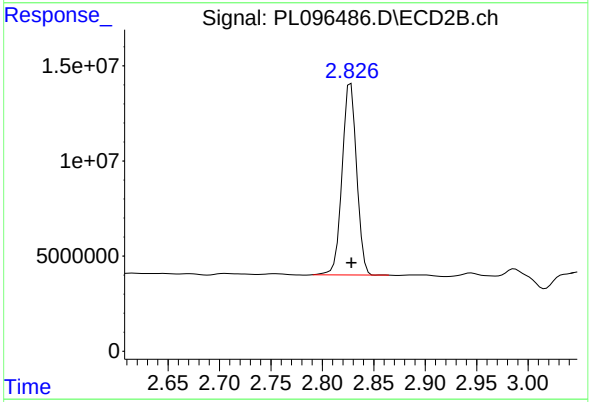




#1 Tetrachloro-m-xylene

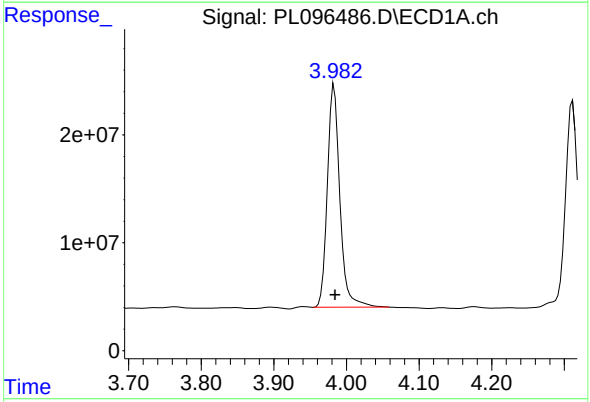
R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 83067997
Conc: 22.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



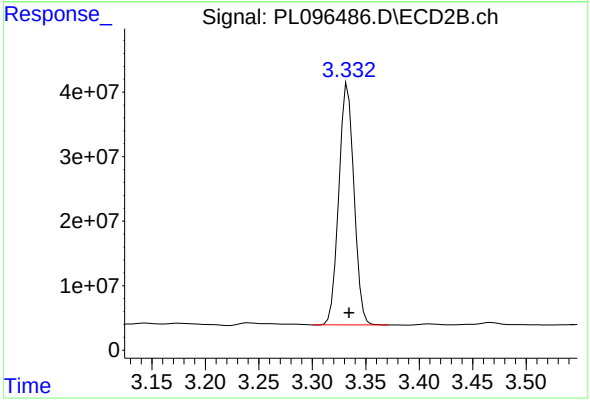
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 99006316
Conc: 17.16 ng/ml



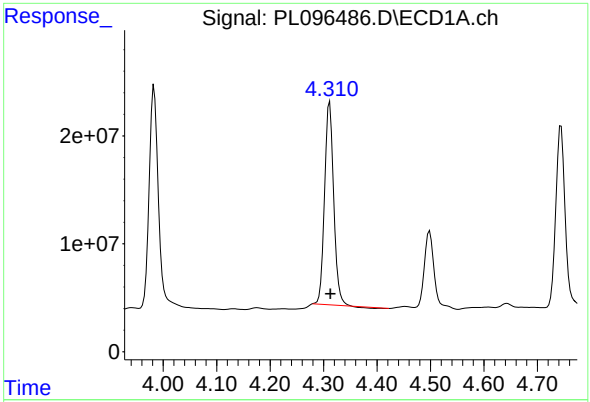
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: -0.001 min
Response: 248255323
Conc: 48.27 ng/ml



#2 alpha-BHC

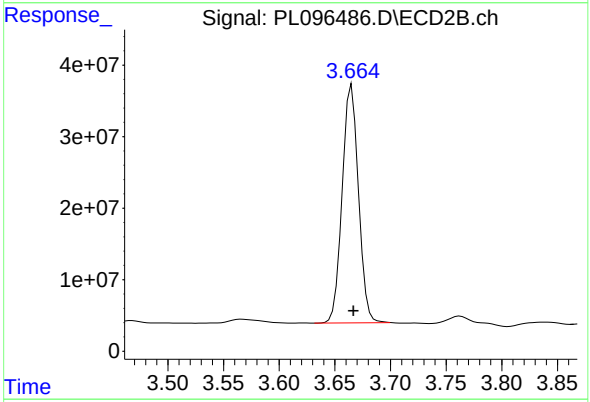
R.T.: 3.333 min
Delta R.T.: -0.001 min
Response: 369910903
Conc: 43.86 ng/ml



#3 gamma-BHC (Lindane)

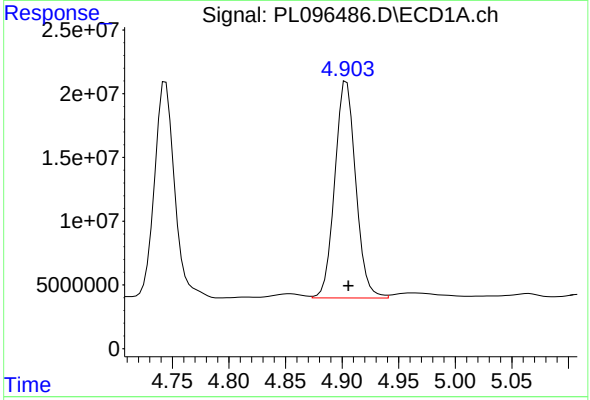
R.T.: 4.311 min
Delta R.T.: -0.002 min
Response: 221832492
Conc: 44.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



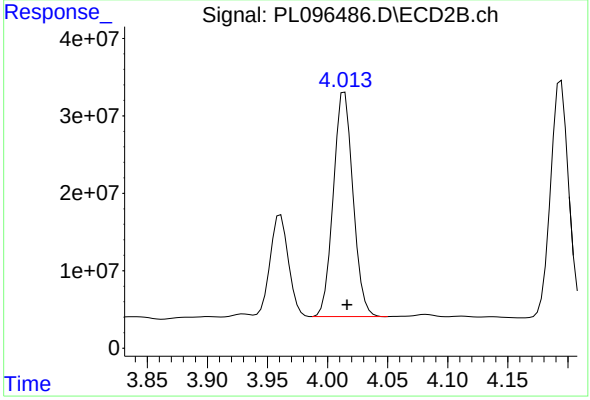
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: -0.001 min
Response: 338760978
Conc: 43.01 ng/ml



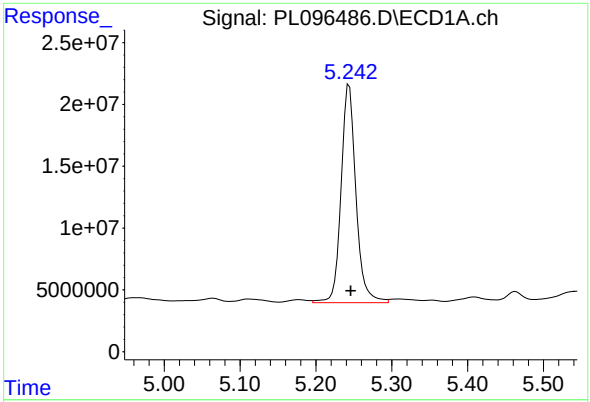
#4 Heptachlor

R.T.: 4.904 min
Delta R.T.: -0.001 min
Response: 219080076
Conc: 47.82 ng/ml



#4 Heptachlor

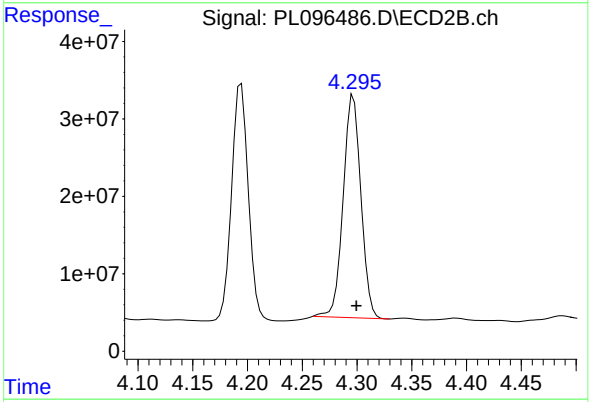
R.T.: 4.014 min
Delta R.T.: -0.002 min
Response: 330991751
Conc: 43.51 ng/ml



#5 Aldrin

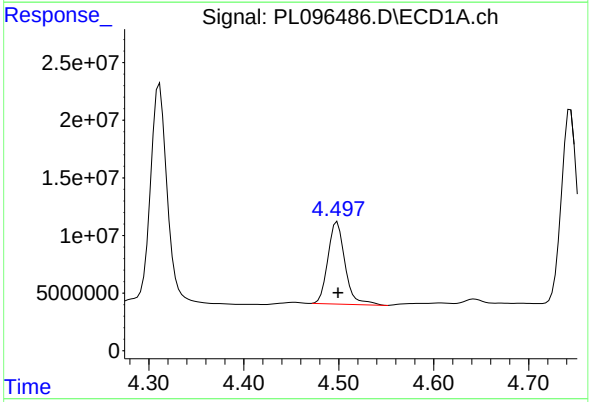
R.T.: 5.244 min
Delta R.T.: -0.002 min
Response: 240627539
Conc: 49.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



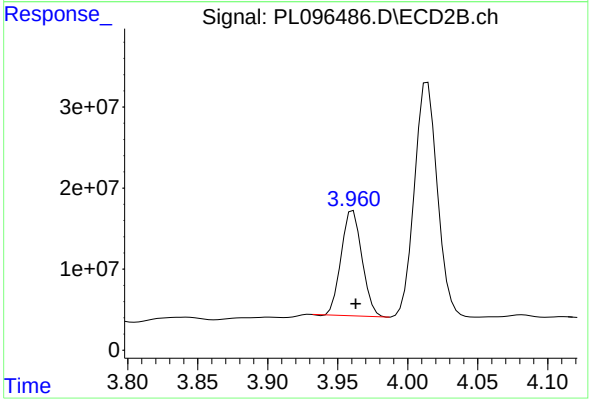
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: -0.002 min
Response: 323811610
Conc: 44.38 ng/ml



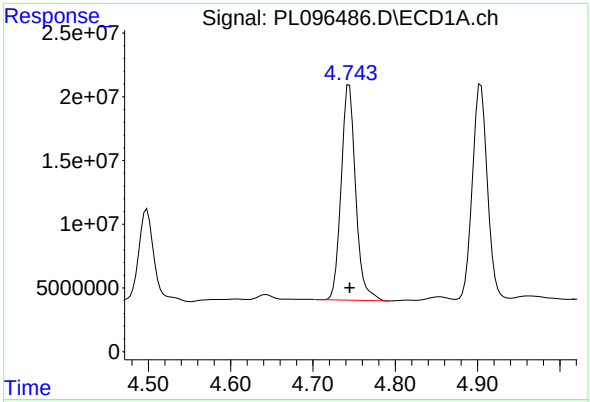
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: -0.001 min
Response: 89453895
Conc: 43.03 ng/ml



#6 beta-BHC

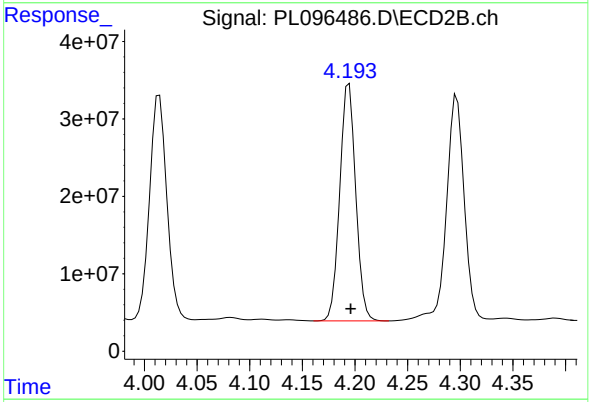
R.T.: 3.961 min
Delta R.T.: -0.002 min
Response: 134601742
Conc: 39.31 ng/ml



#7 delta-BHC

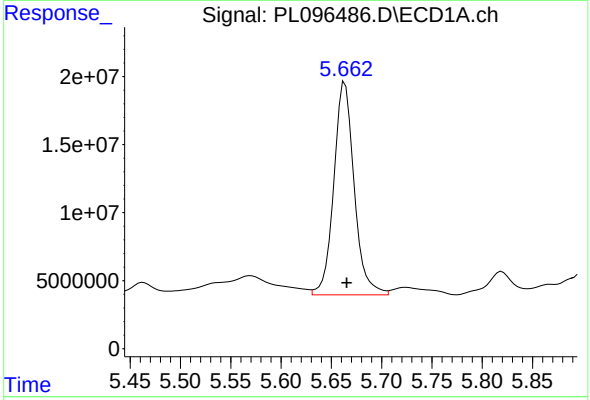
R.T.: 4.744 min
Delta R.T.: 0.000 min
Response: 207417305
Conc: 46.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



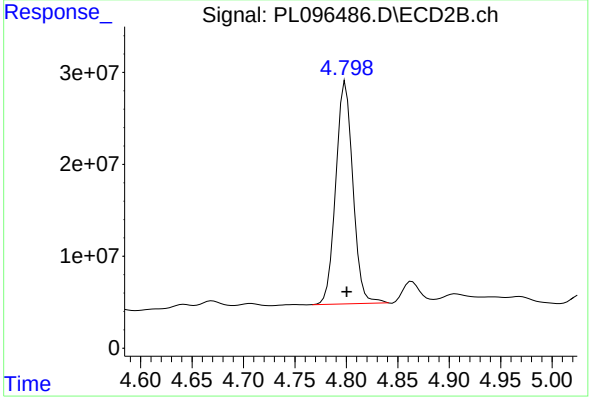
#7 delta-BHC

R.T.: 4.194 min
Delta R.T.: -0.002 min
Response: 325166817
Conc: 42.22 ng/ml



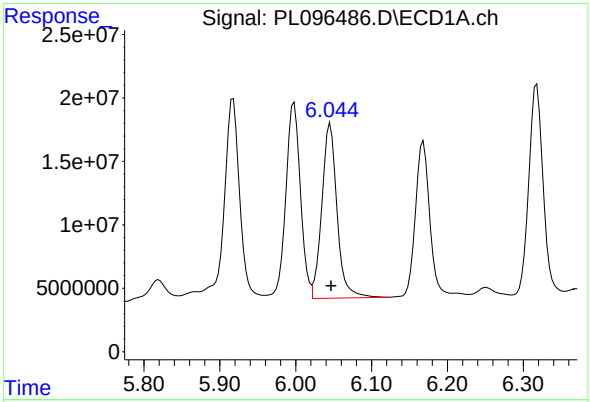
#8 Heptachlor epoxide

R.T.: 5.664 min
Delta R.T.: -0.002 min
Response: 220187841
Conc: 53.07 ng/ml



#8 Heptachlor epoxide

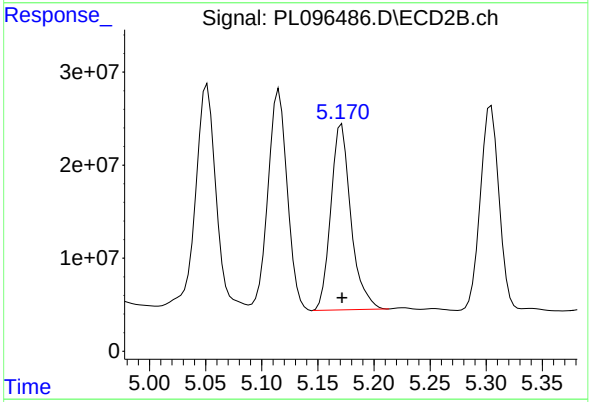
R.T.: 4.799 min
Delta R.T.: -0.001 min
Response: 280258916
Conc: 41.92 ng/ml



#9 Endosulfan I

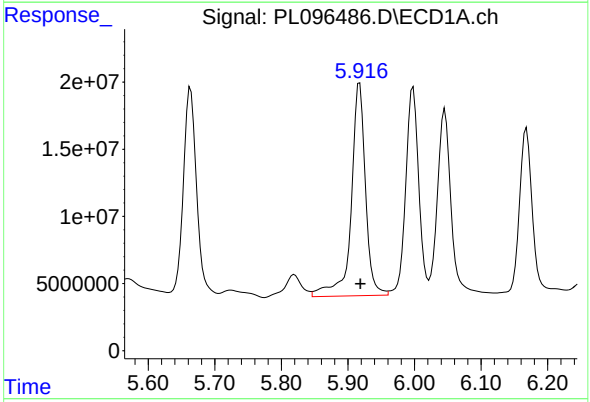
R.T.: 6.046 min
Delta R.T.: -0.001 min
Response: 192034717
Conc: 47.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



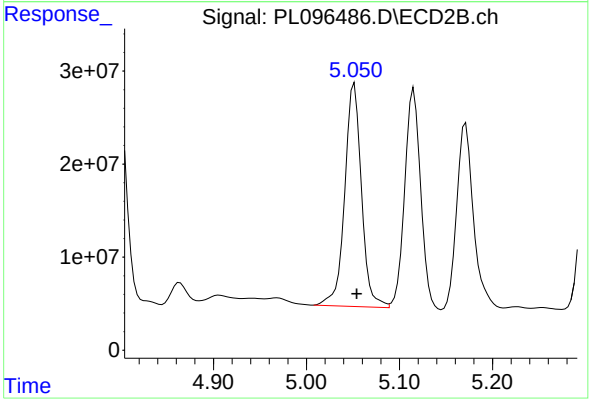
#9 Endosulfan I

R.T.: 5.171 min
Delta R.T.: 0.000 min
Response: 249129255
Conc: 34.73 ng/ml



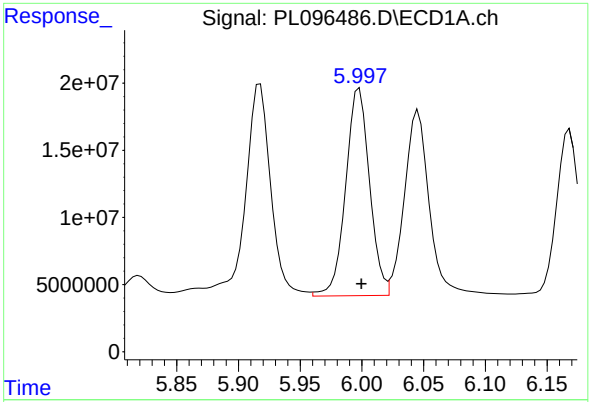
#10 gamma-Chlordane

R.T.: 5.918 min
Delta R.T.: -0.001 min
Response: 236812690
Conc: 53.52 ng/ml



#10 gamma-Chlordane

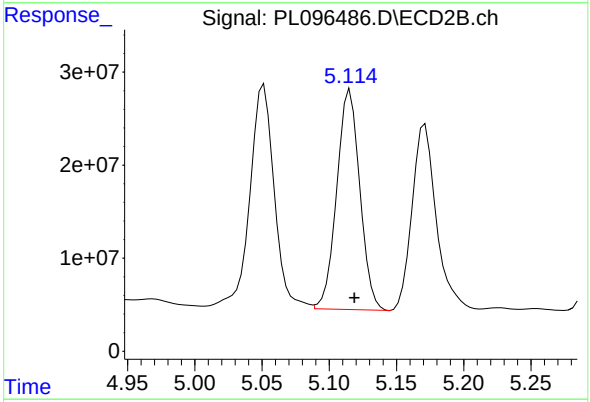
R.T.: 5.051 min
Delta R.T.: -0.003 min
Response: 300509123
Conc: 42.81 ng/ml



#11 alpha-Chlordane

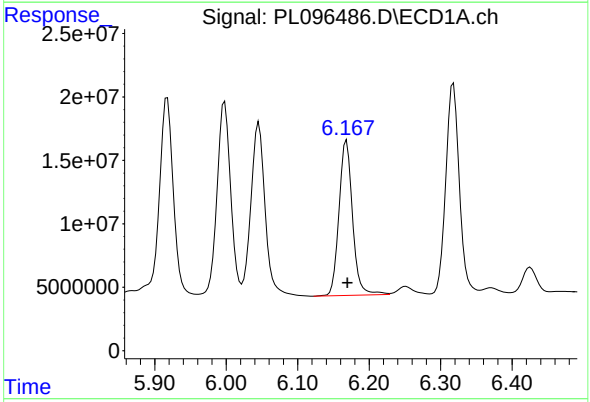
R.T.: 5.998 min
Delta R.T.: -0.002 min
Response: 208594827
Conc: 47.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



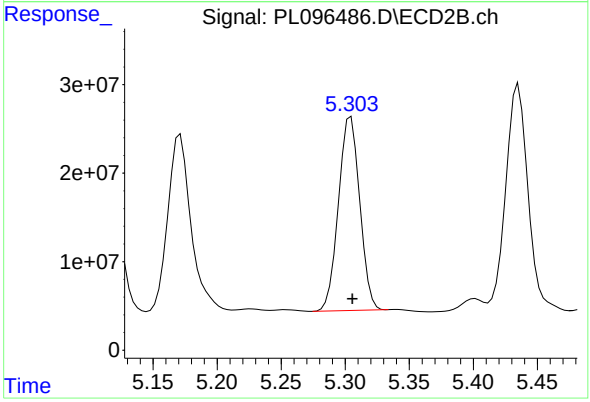
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.003 min
Response: 281895230
Conc: 37.48 ng/ml



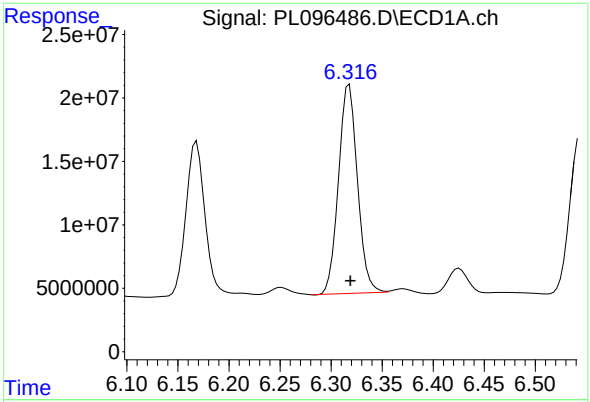
#12 4,4'-DDE

R.T.: 6.168 min
Delta R.T.: -0.001 min
Response: 161188898
Conc: 43.48 ng/ml



#12 4,4'-DDE

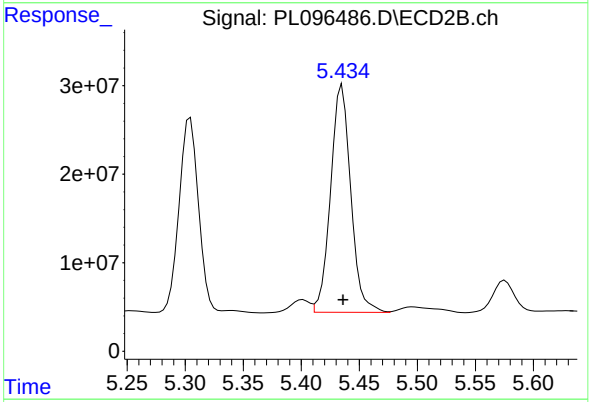
R.T.: 5.304 min
Delta R.T.: -0.001 min
Response: 252748541
Conc: 39.10 ng/ml



#13 Dieldrin

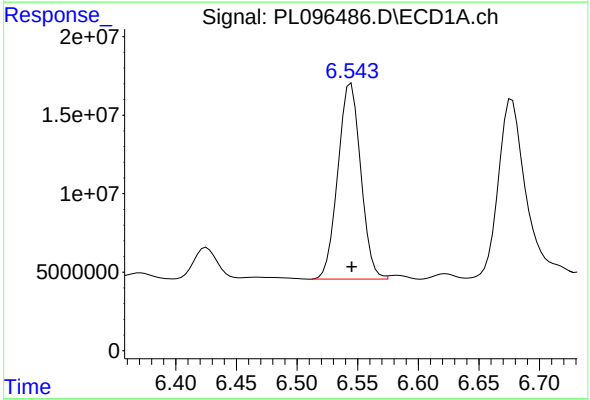
R.T.: 6.318 min
Delta R.T.: -0.001 min
Response: 212595047
Conc: 50.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



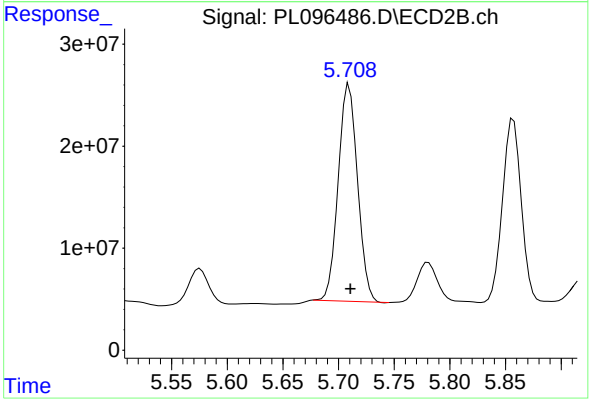
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: 0.000 min
Response: 311900838
Conc: 45.74 ng/ml



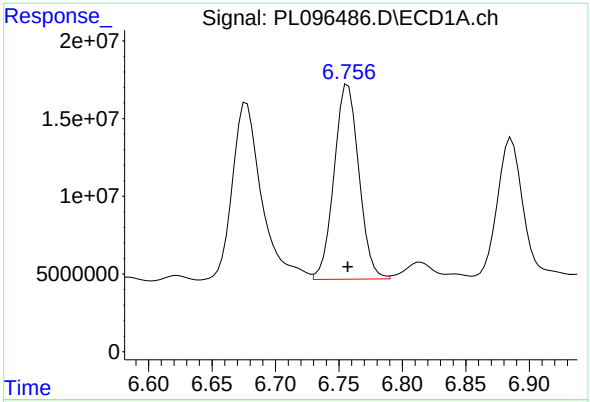
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 163977880
Conc: 52.72 ng/ml



#14 Endrin

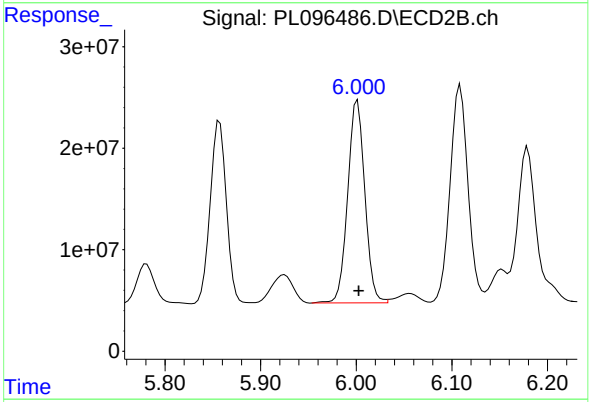
R.T.: 5.710 min
Delta R.T.: -0.001 min
Response: 256790190
Conc: 42.12 ng/ml



#15 Endosulfan II

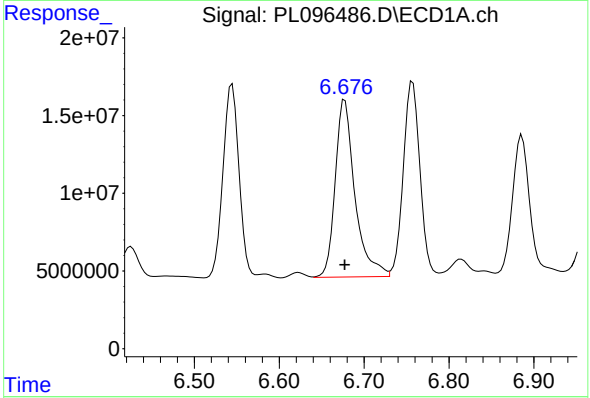
R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 170438313
Conc: 49.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



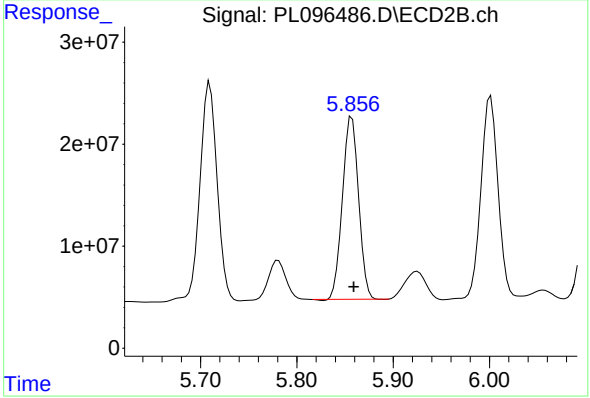
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: -0.001 min
Response: 249347370
Conc: 42.52 ng/ml



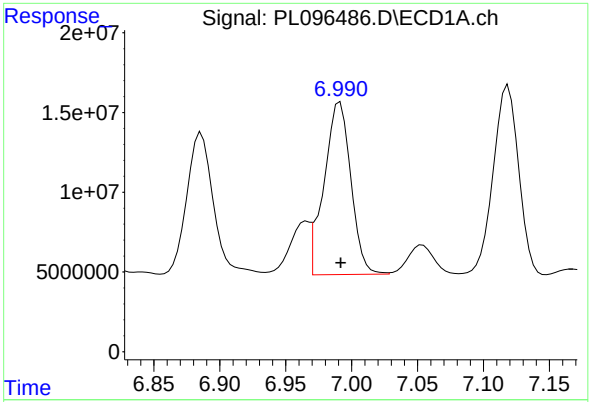
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 184022980
Conc: 63.20 ng/ml



#16 4,4'-DDD

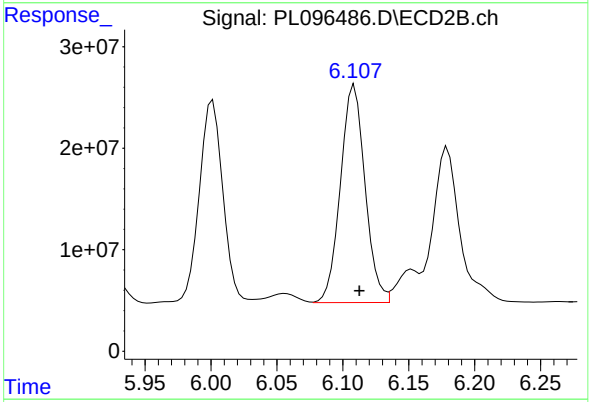
R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 207253912
Conc: 40.41 ng/ml



#17 4,4'-DDT

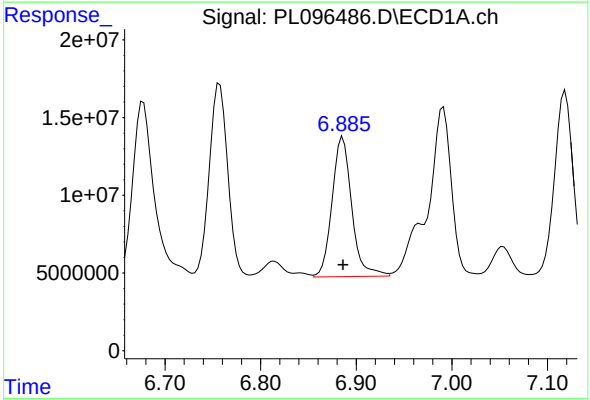
R.T.: 6.991 min
Delta R.T.: 0.000 min
Response: 153631870
Conc: 50.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



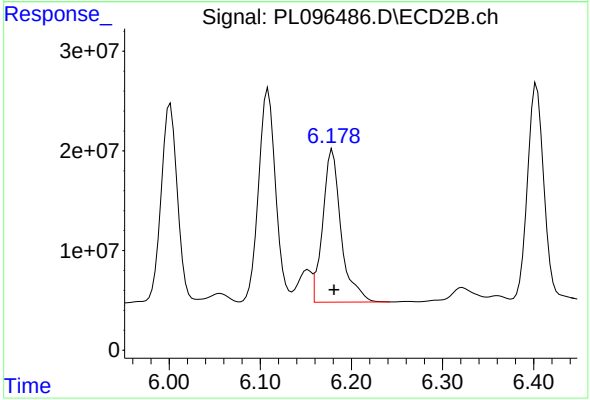
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: -0.004 min
Response: 278186278
Conc: 48.51 ng/ml



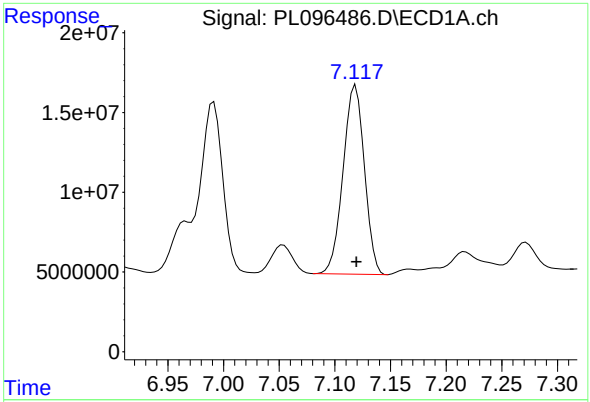
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 128660097
Conc: 57.55 ng/ml



#18 Endrin aldehyde

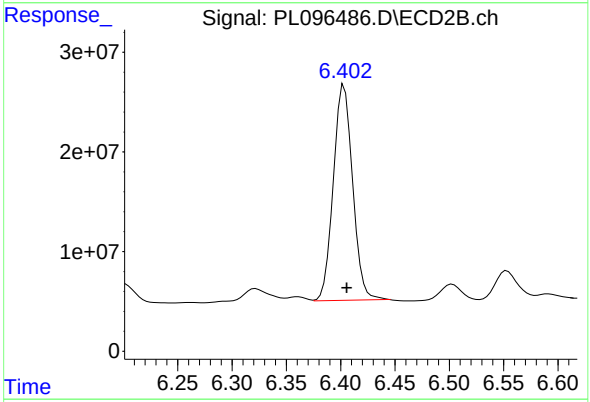
R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 215056220
Conc: 48.28 ng/ml



#19 Endosulfan Sulfate

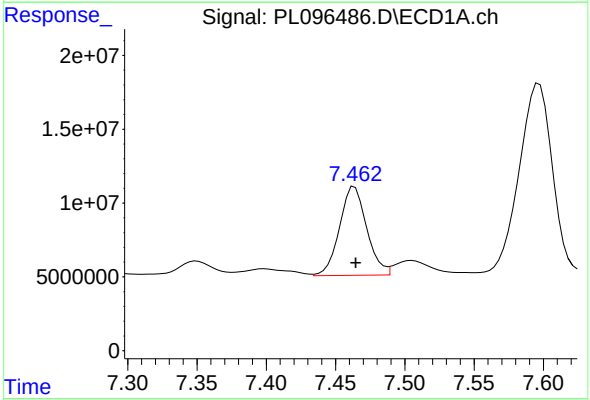
R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 158031598
Conc: 51.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



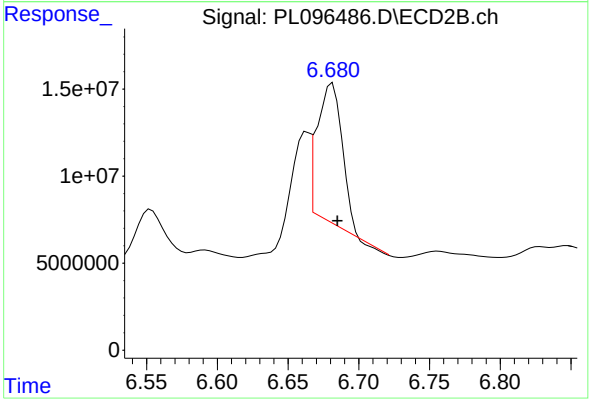
#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: -0.002 min
Response: 267851671
Conc: 47.62 ng/ml



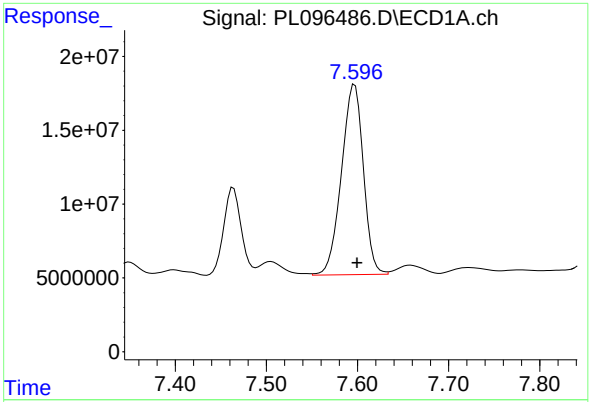
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 82126176
Conc: 52.13 ng/ml



#20 Methoxychlor

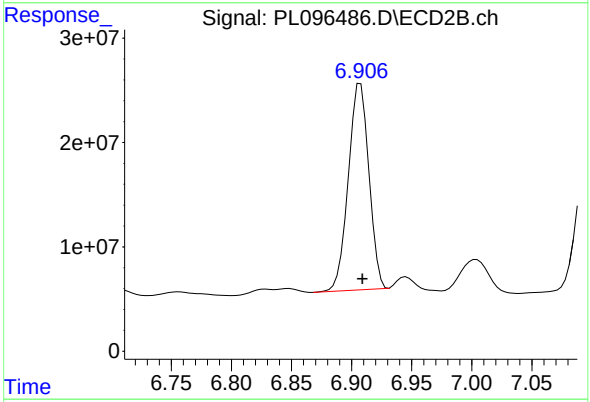
R.T.: 6.681 min
Delta R.T.: -0.003 min
Response: 95102587
Conc: 31.31 ng/ml



#21 Endrin ketone

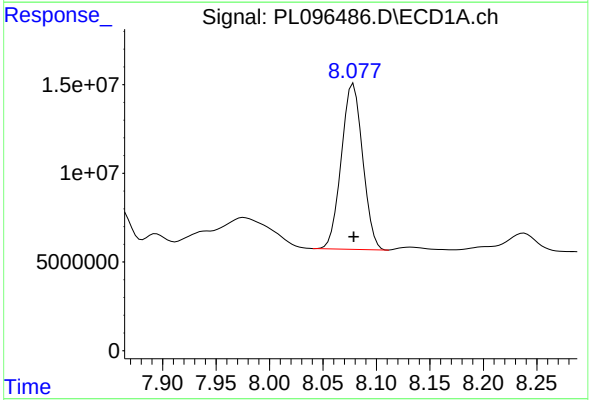
R.T.: 7.597 min
Delta R.T.: -0.002 min
Response: 215112605
Conc: 65.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



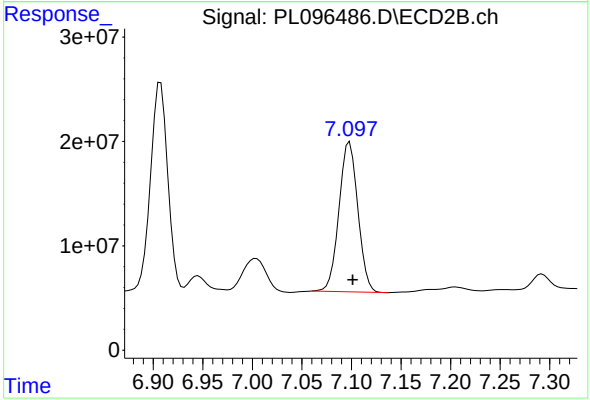
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: -0.002 min
Response: 235926998
Conc: 37.73 ng/ml



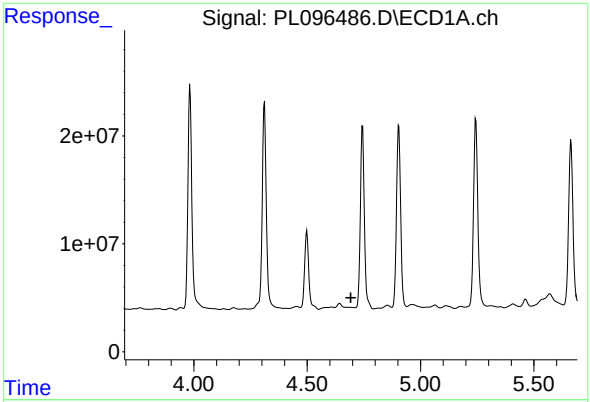
#22 Mirex

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 129796050
Conc: 46.65 ng/ml



#22 Mirex

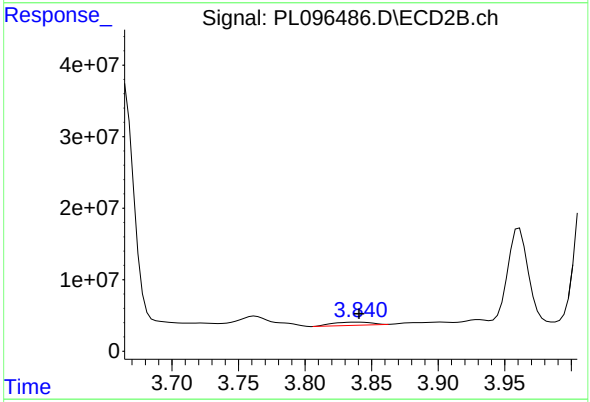
R.T.: 7.098 min
Delta R.T.: -0.003 min
Response: 190179361
Conc: 38.28 ng/ml



#23 Chlordane-1

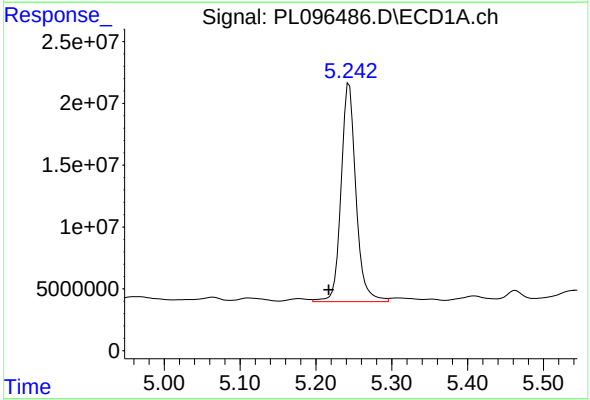
R.T.: 0.000 min
Exp R.T. : 4.693 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



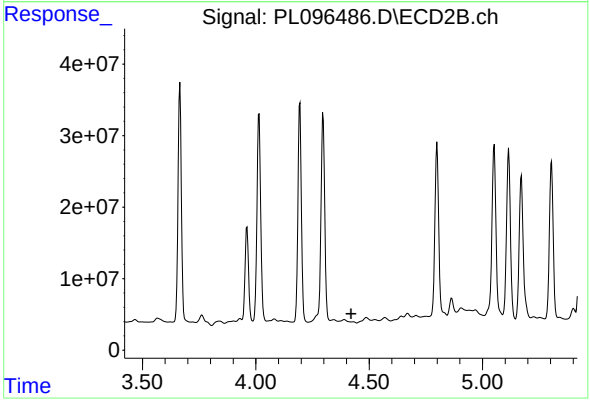
#23 Chlordane-1

R.T.: 3.841 min
Delta R.T.: 0.000 min
Response: 9362613
Conc: 39.61 ng/ml



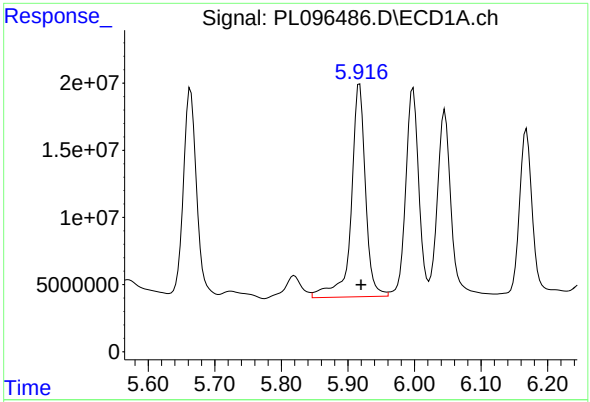
#24 Chlordane-2

R.T.: 5.244 min
Delta R.T.: 0.027 min
Response: 240627539
Conc: 1229.07 ng/ml



#24 Chlordane-2

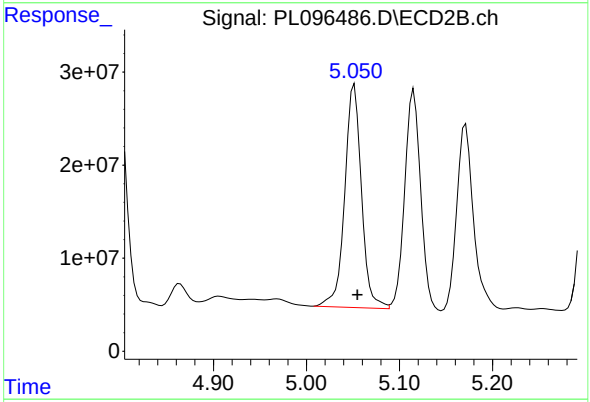
R.T.: 0.000 min
Exp R.T. : 4.420 min
Response: 0
Conc: N.D.



#25 Chlordane-3

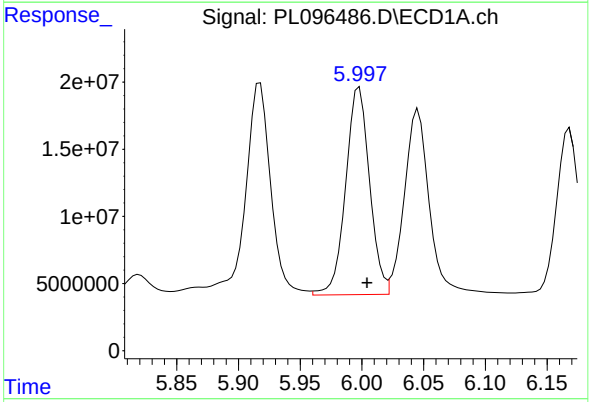
R.T.: 5.918 min
Delta R.T.: -0.002 min
Response: 236812690
Conc: 321.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



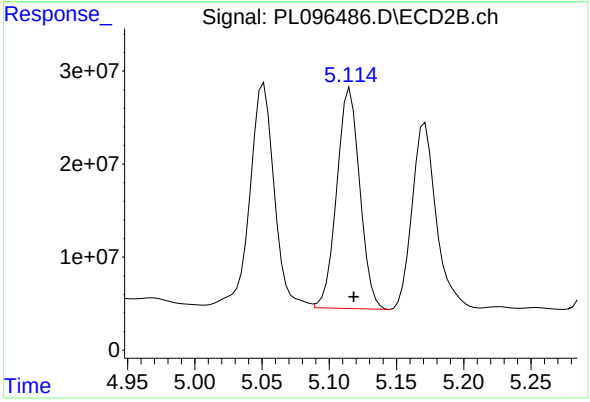
#25 Chlordane-3

R.T.: 5.051 min
Delta R.T.: -0.003 min
Response: 300509123
Conc: 373.52 ng/ml



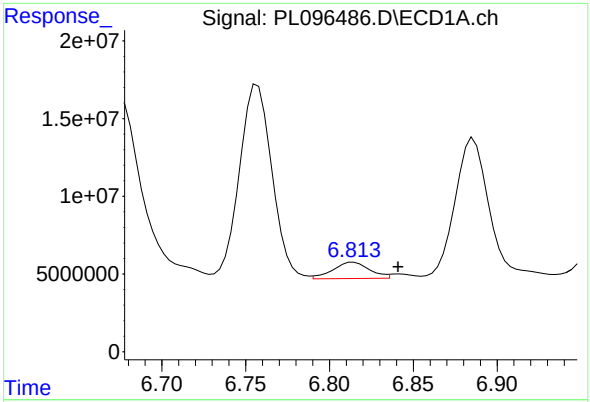
#26 Chlordane-4

R.T.: 5.998 min
Delta R.T.: -0.006 min
Response: 208594827
Conc: 232.49 ng/ml



#26 Chlordane-4

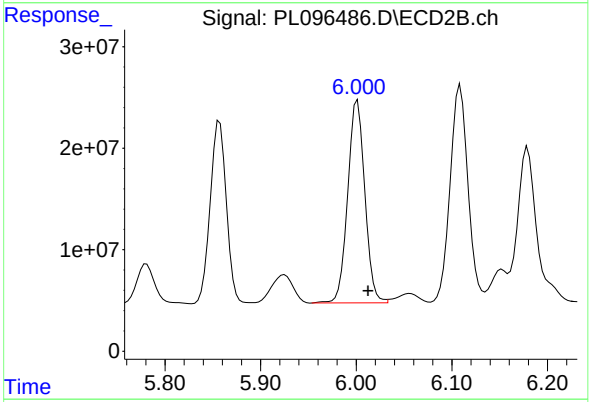
R.T.: 5.115 min
Delta R.T.: -0.003 min
Response: 281895230
Conc: 375.15 ng/ml



#27 Chlordane-5

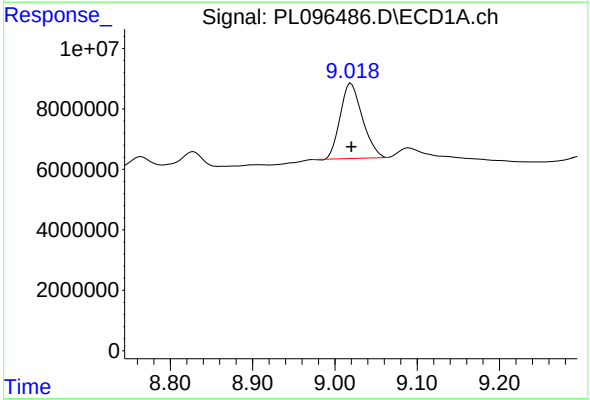
R.T.: 6.814 min
Delta R.T.: -0.026 min
Response: 15920770
Conc: 105.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
RT2286MSD



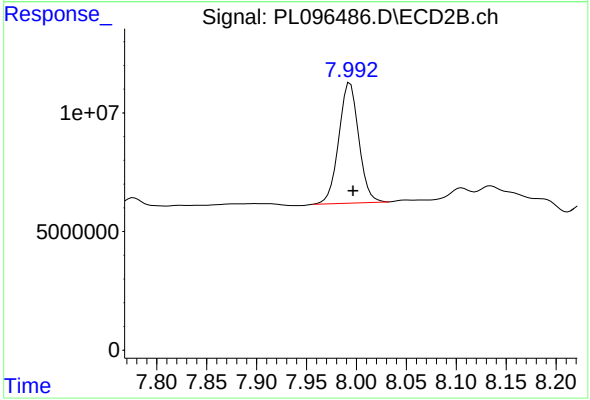
#27 Chlordane-5

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	#

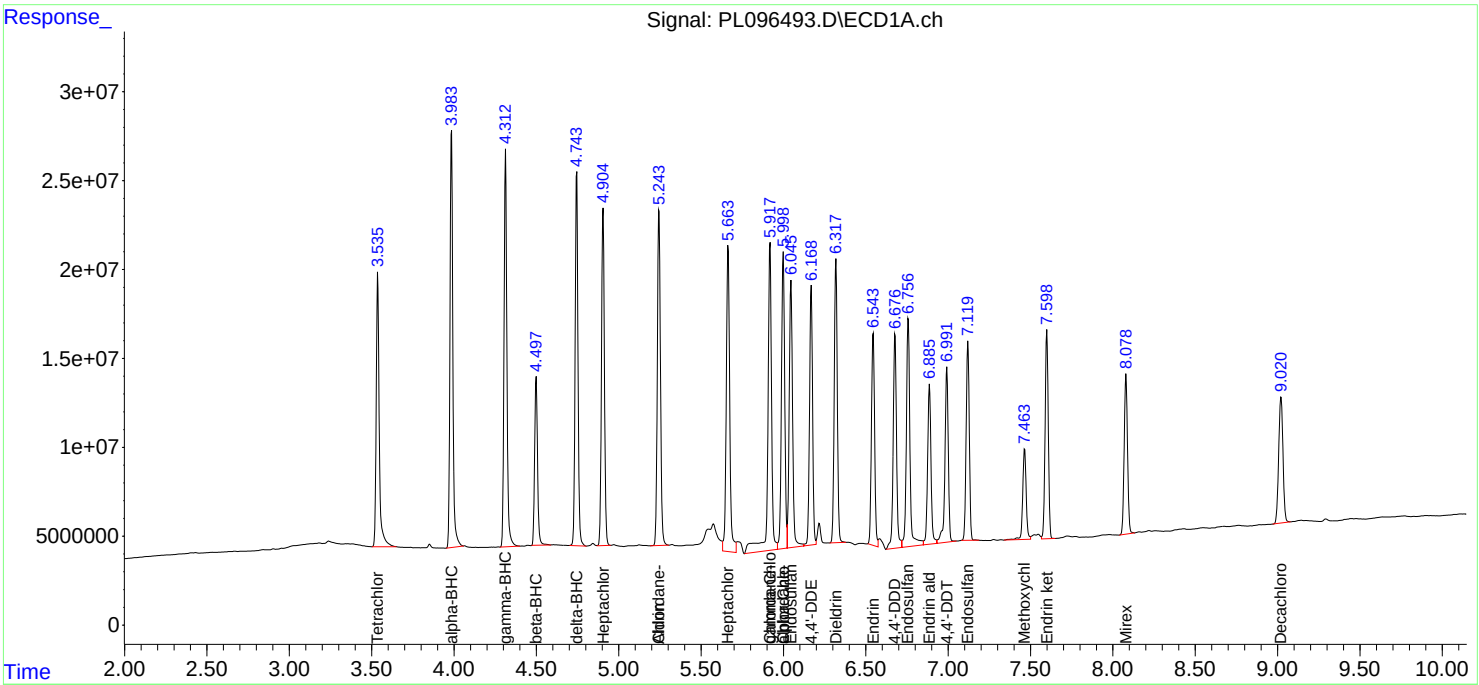
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

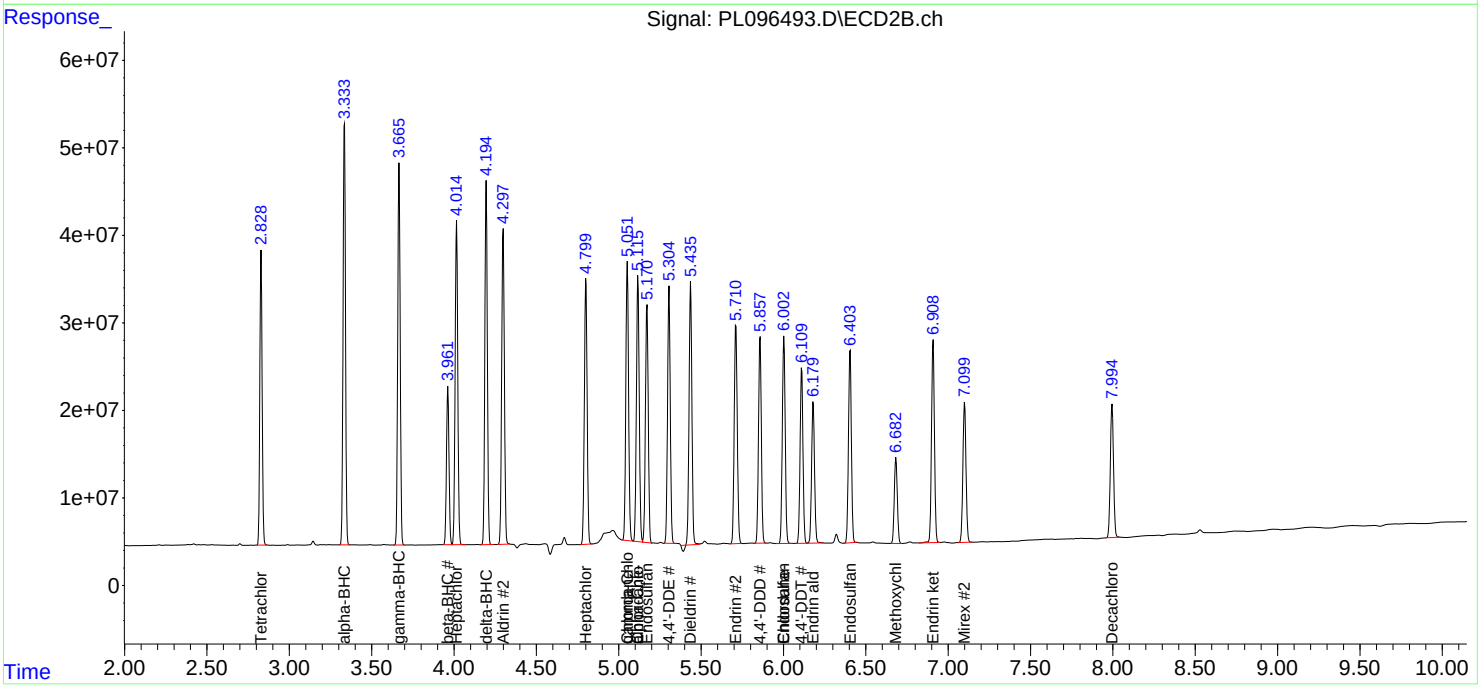
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
Data File : PL096493.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 16:08
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

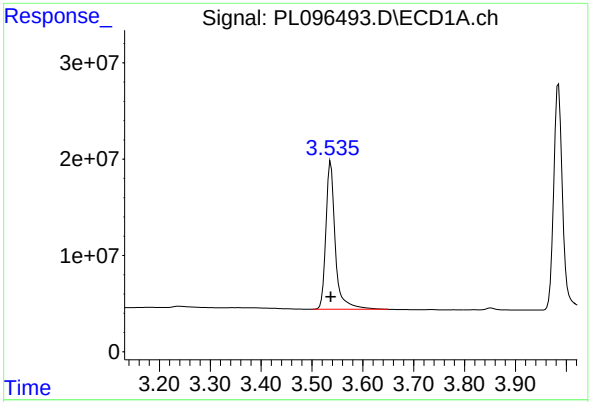
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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



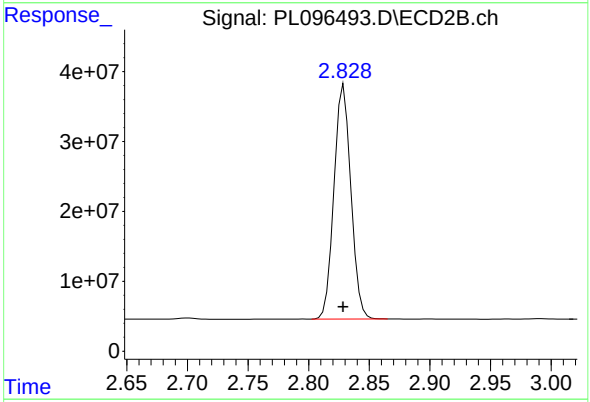




#1 Tetrachloro-m-xylene

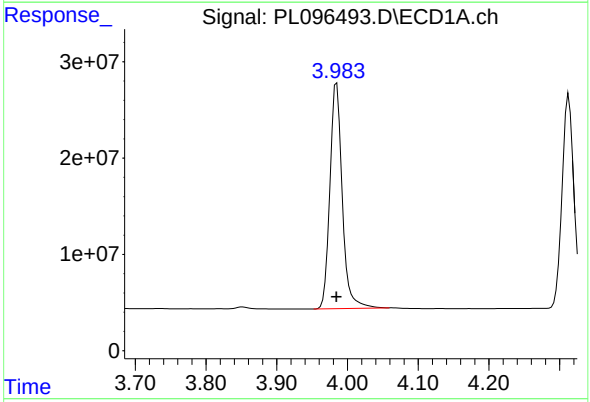
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 197433420
Conc: 54.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



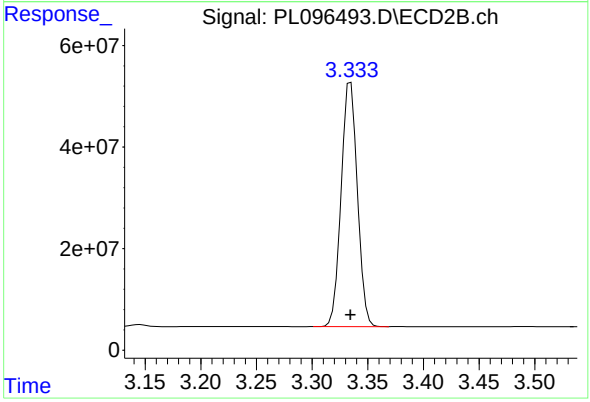
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 325102833
Conc: 56.33 ng/ml



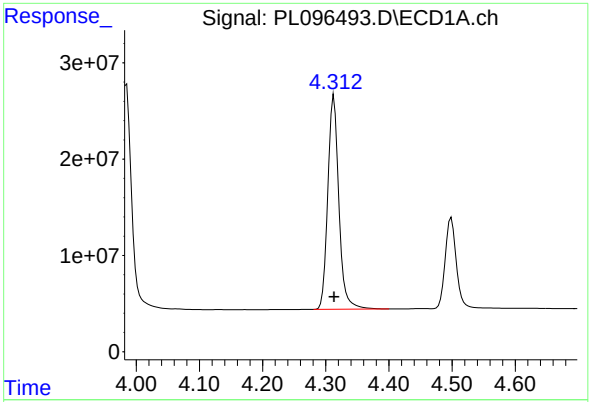
#2 alpha-BHC

R.T.: 3.985 min
Delta R.T.: 0.000 min
Response: 284319155
Conc: 55.28 ng/ml



#2 alpha-BHC

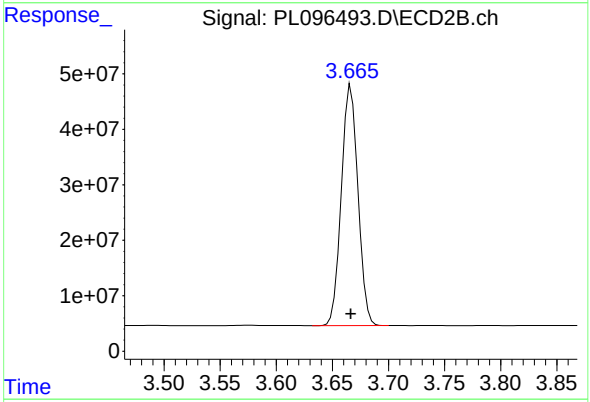
R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 488912408
Conc: 57.97 ng/ml



#3 gamma-BHC (Lindane)

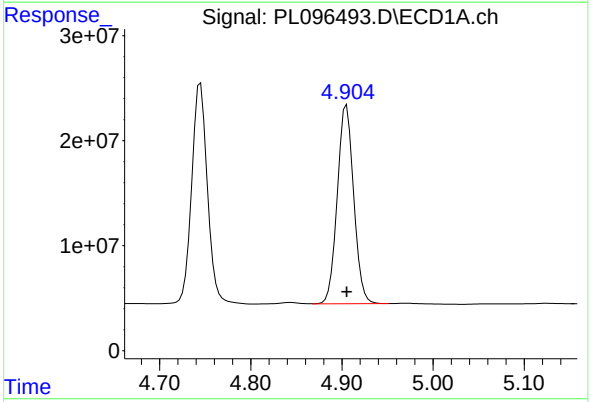
R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 270277240
Conc: 54.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



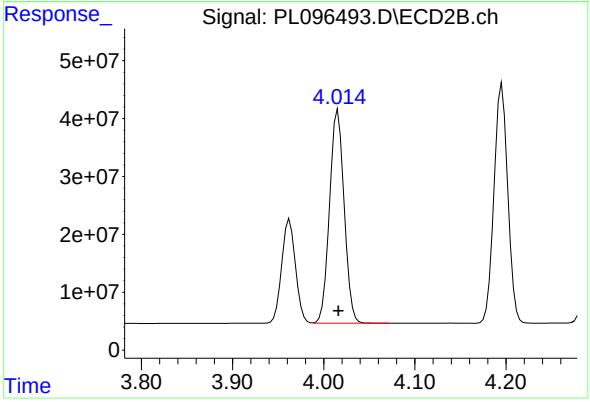
#3 gamma-BHC (Lindane)

R.T.: 3.667 min
Delta R.T.: 0.000 min
Response: 447042519
Conc: 56.76 ng/ml



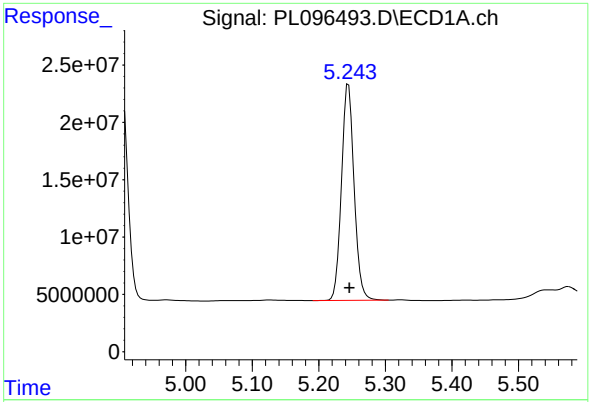
#4 Heptachlor

R.T.: 4.905 min
Delta R.T.: 0.000 min
Response: 236639992
Conc: 51.65 ng/ml



#4 Heptachlor

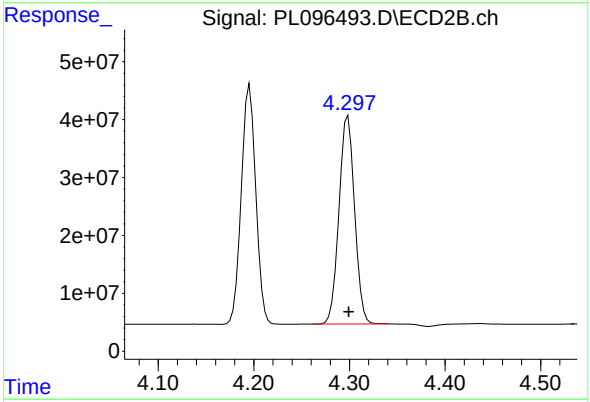
R.T.: 4.016 min
Delta R.T.: 0.000 min
Response: 410052631
Conc: 53.90 ng/ml



#5 Aldrin

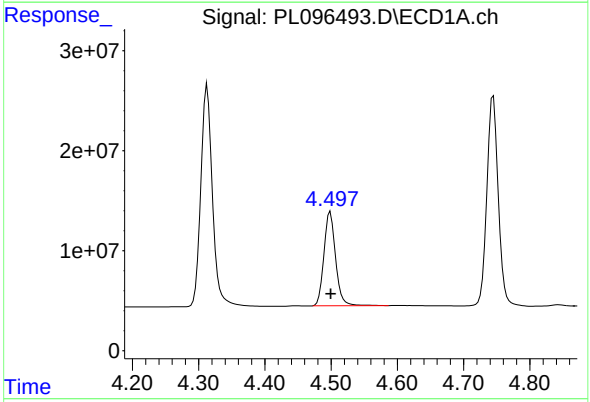
R.T.: 5.244 min
Delta R.T.: -0.001 min
Response: 248497535
Conc: 51.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



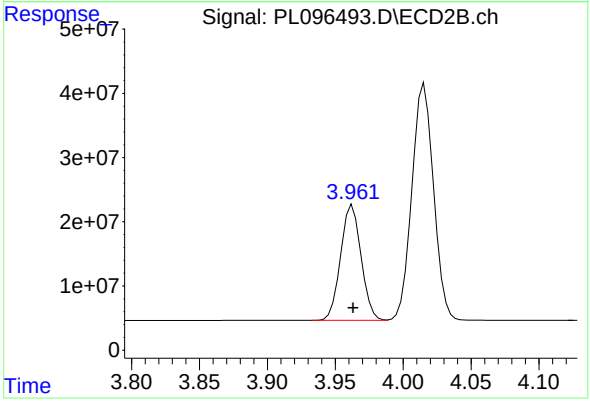
#5 Aldrin

R.T.: 4.299 min
Delta R.T.: 0.000 min
Response: 408622886
Conc: 56.01 ng/ml



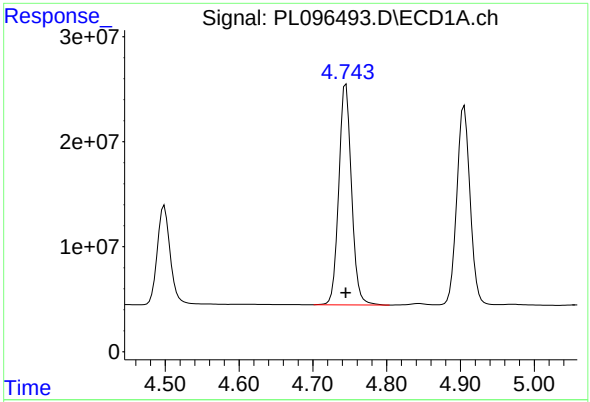
#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 115113441
Conc: 55.38 ng/ml



#6 beta-BHC

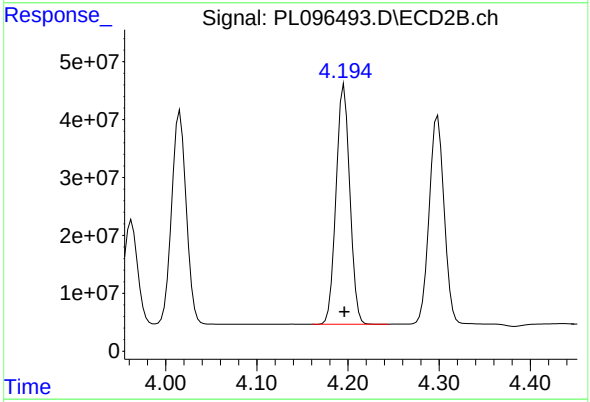
R.T.: 3.963 min
Delta R.T.: 0.000 min
Response: 188521058
Conc: 55.06 ng/ml



#7 delta-BHC

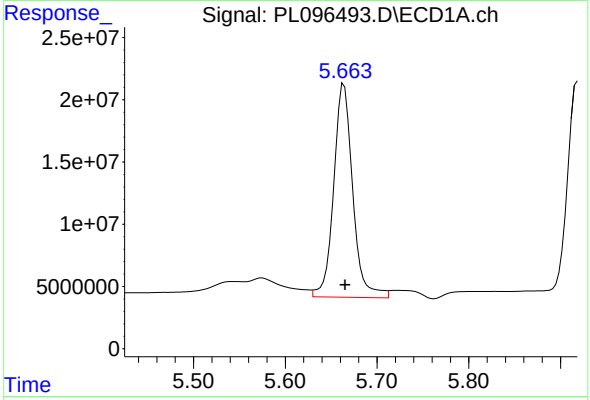
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 251716510
Conc: 56.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



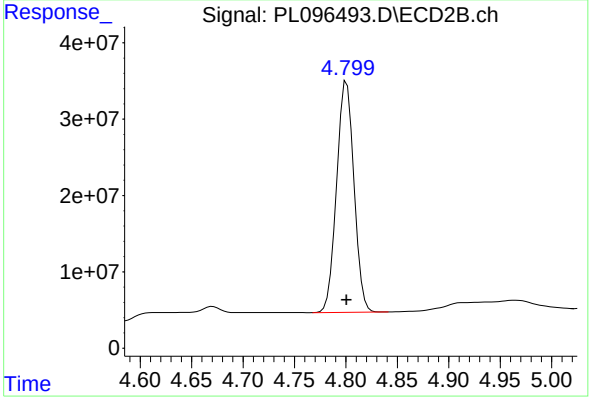
#7 delta-BHC

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 434191743
Conc: 56.37 ng/ml



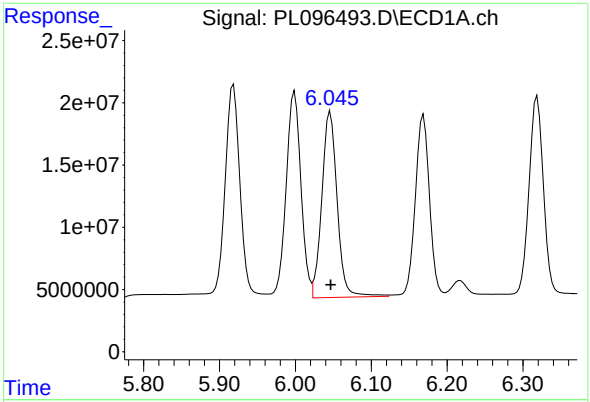
#8 Heptachlor epoxide

R.T.: 5.664 min
Delta R.T.: -0.001 min
Response: 247977318
Conc: 59.77 ng/ml



#8 Heptachlor epoxide

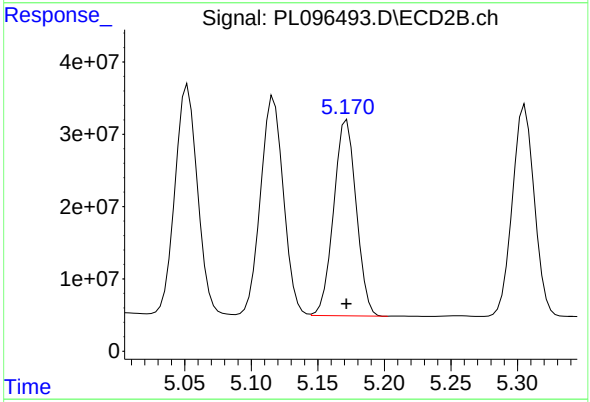
R.T.: 4.801 min
Delta R.T.: 0.000 min
Response: 356259430
Conc: 53.29 ng/ml



#9 Endosulfan I

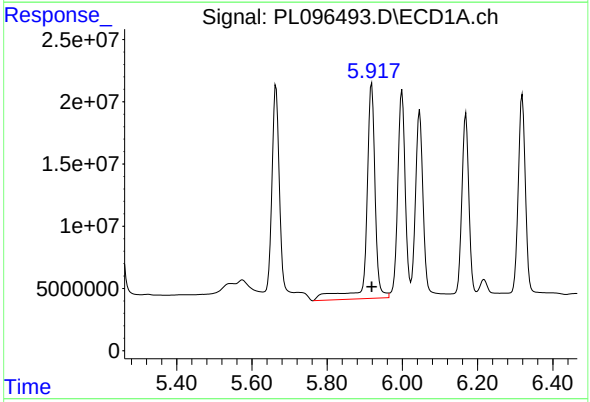
R.T.: 6.046 min
Delta R.T.: 0.000 min
Response: 210030023
Conc: 52.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



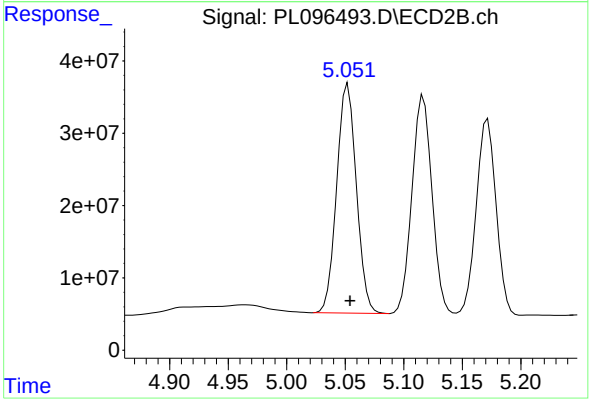
#9 Endosulfan I

R.T.: 5.172 min
Delta R.T.: 0.000 min
Response: 319669016
Conc: 44.56 ng/ml



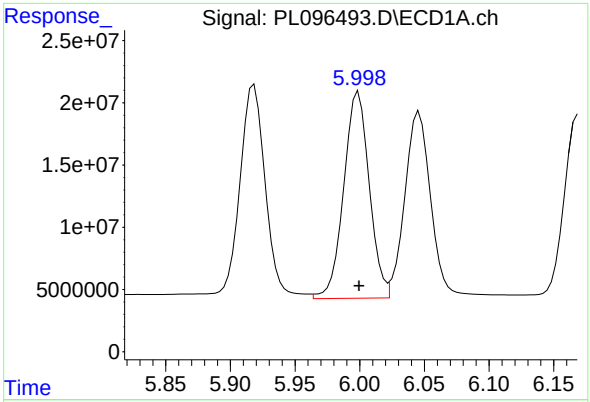
#10 gamma-Chlordane

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 274418686
Conc: 62.02 ng/ml



#10 gamma-Chlordane

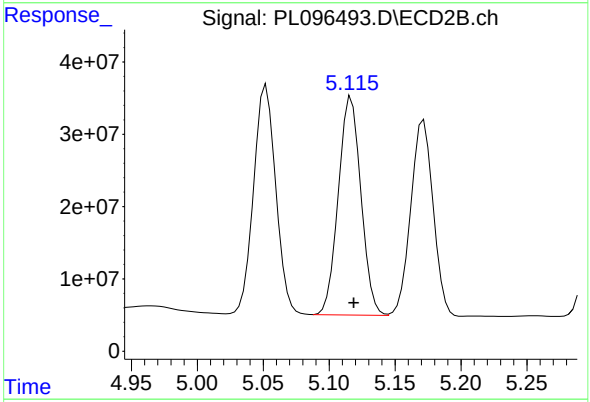
R.T.: 5.052 min
Delta R.T.: -0.002 min
Response: 371139869
Conc: 52.87 ng/ml



#11 alpha-Chlordane

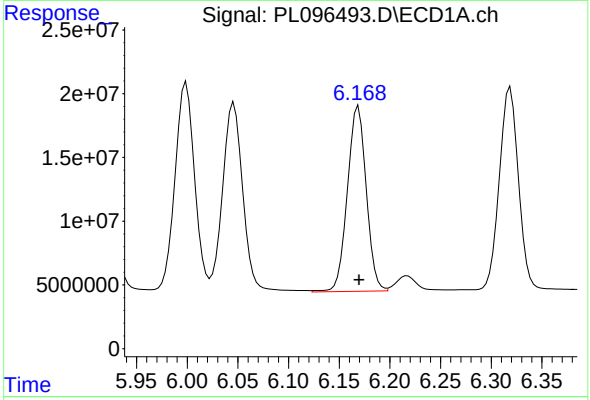
R.T.: 5.999 min
Delta R.T.: 0.000 min
Response: 227629669
Conc: 51.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



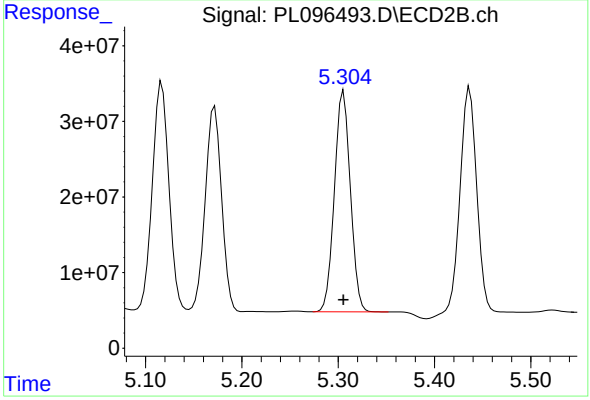
#11 alpha-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.002 min
Response: 360421669
Conc: 47.93 ng/ml



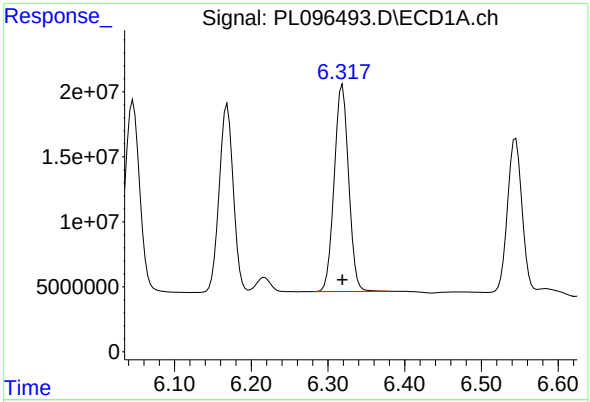
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 187986628
Conc: 50.70 ng/ml



#12 4,4'-DDE

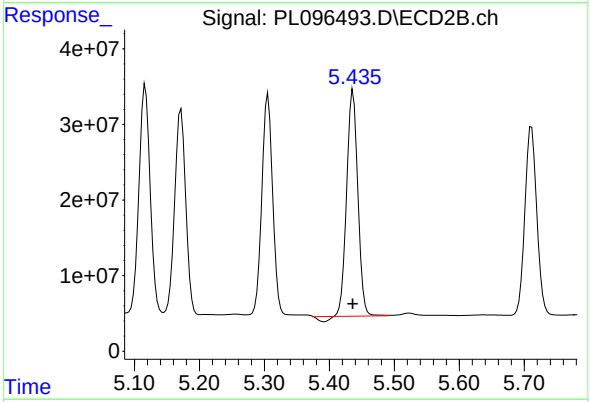
R.T.: 5.306 min
Delta R.T.: 0.000 min
Response: 336232232
Conc: 52.02 ng/ml



#13 Dieldrin

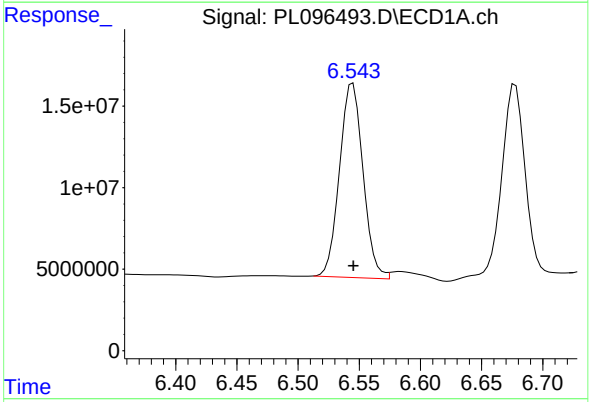
R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 207858497
Conc: 49.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



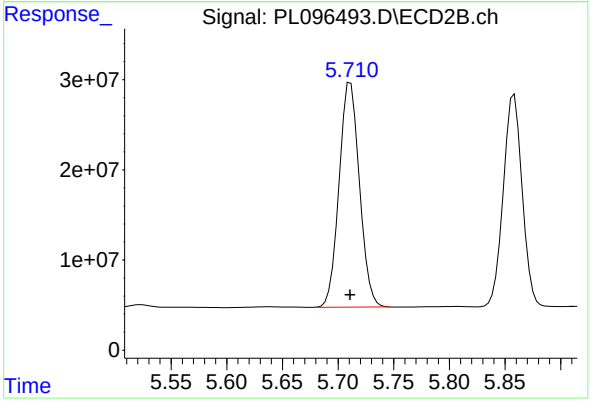
#13 Dieldrin

R.T.: 5.436 min
Delta R.T.: 0.000 min
Response: 354178504
Conc: 51.94 ng/ml



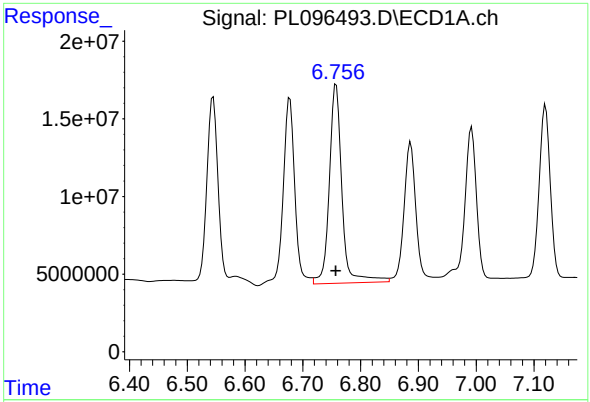
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 159349858
Conc: 51.23 ng/ml



#14 Endrin

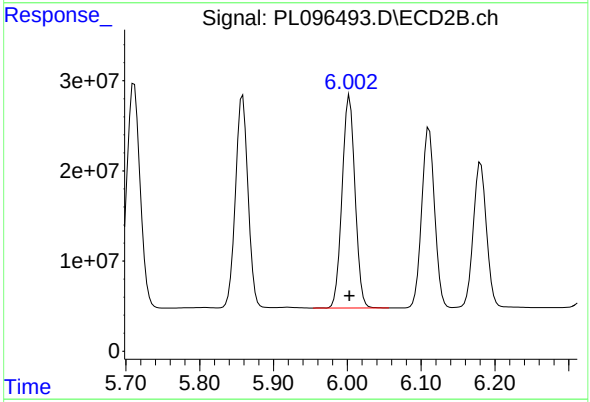
R.T.: 5.711 min
Delta R.T.: 0.000 min
Response: 317217062
Conc: 52.03 ng/ml



#15 Endosulfan II

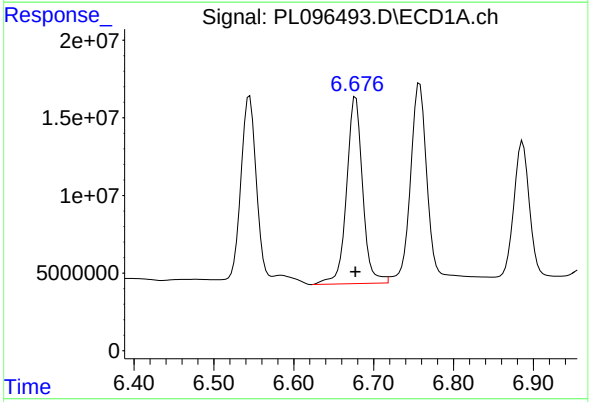
R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 195283823
Conc: 56.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



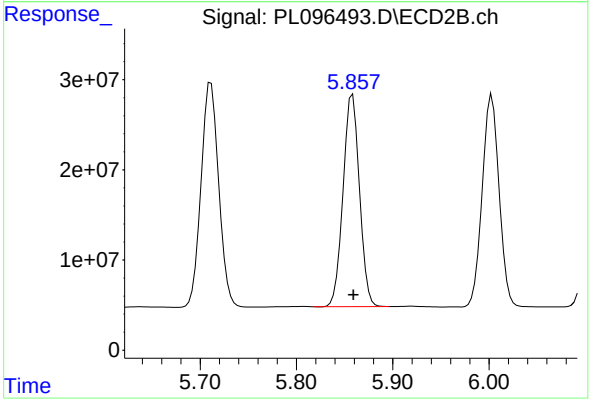
#15 Endosulfan II

R.T.: 6.003 min
Delta R.T.: 0.000 min
Response: 286988731
Conc: 48.94 ng/ml



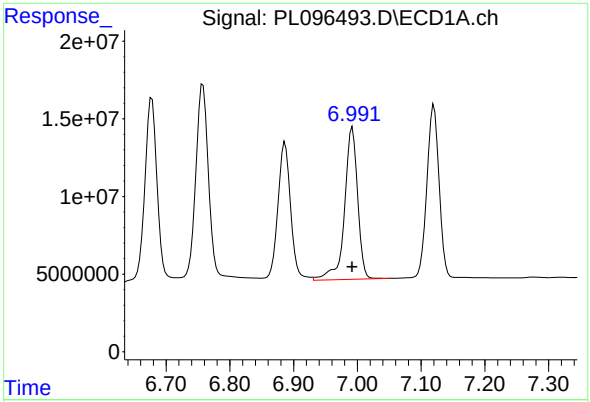
#16 4,4'-DDD

R.T.: 6.678 min
Delta R.T.: 0.000 min
Response: 168585323
Conc: 57.90 ng/ml



#16 4,4'-DDD

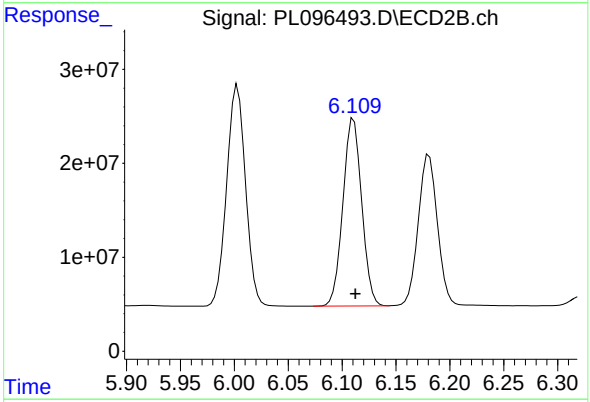
R.T.: 5.858 min
Delta R.T.: 0.000 min
Response: 277076635
Conc: 54.02 ng/ml



#17 4,4'-DDT

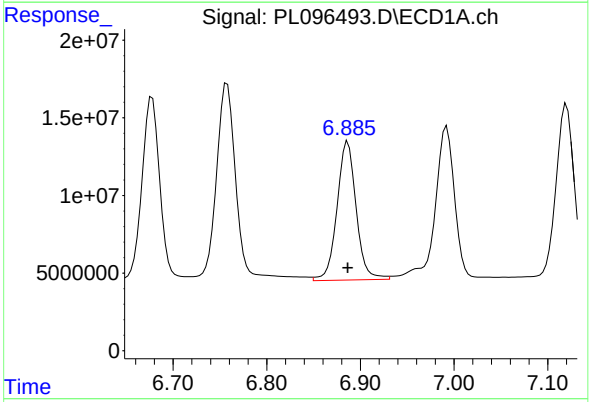
R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 140278736
Conc: 46.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



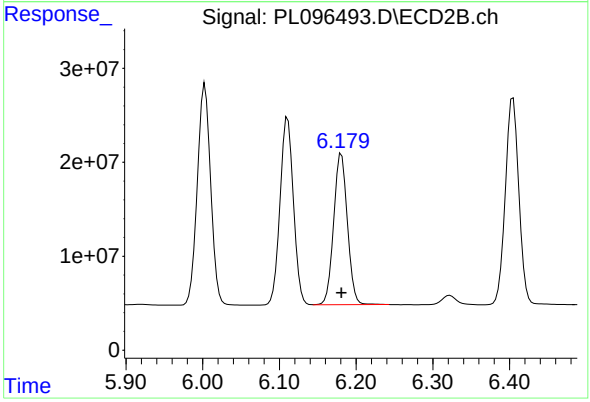
#17 4,4'-DDT

R.T.: 6.111 min
Delta R.T.: -0.002 min
Response: 242599364
Conc: 42.30 ng/ml



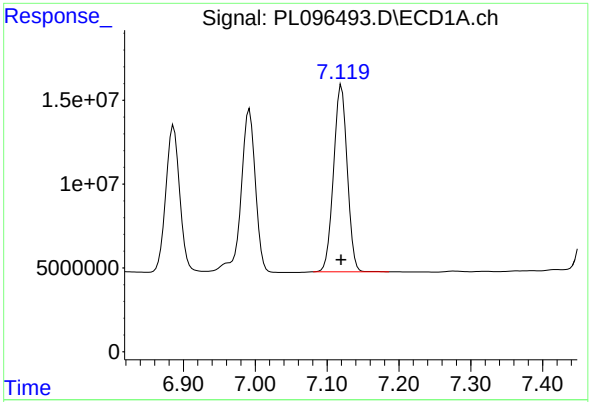
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 127067606
Conc: 56.84 ng/ml



#18 Endrin aldehyde

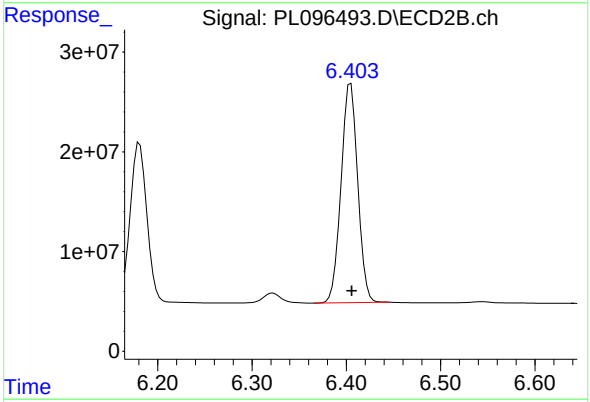
R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 200563363
Conc: 45.02 ng/ml



#19 Endosulfan Sulfate

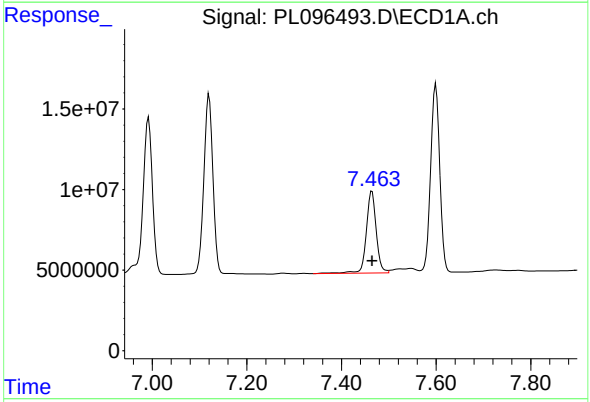
R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 147162779
Conc: 48.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



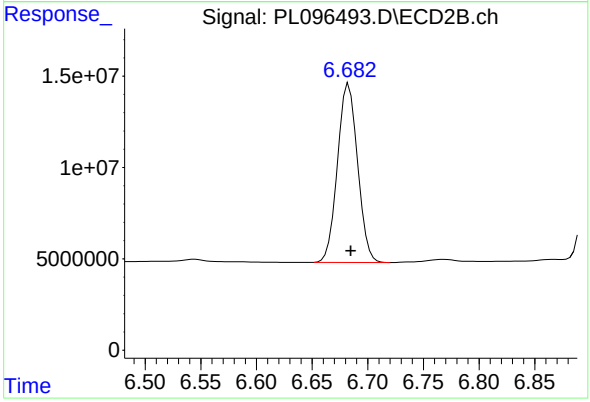
#19 Endosulfan Sulfate

R.T.: 6.405 min
Delta R.T.: 0.000 min
Response: 270039100
Conc: 48.01 ng/ml



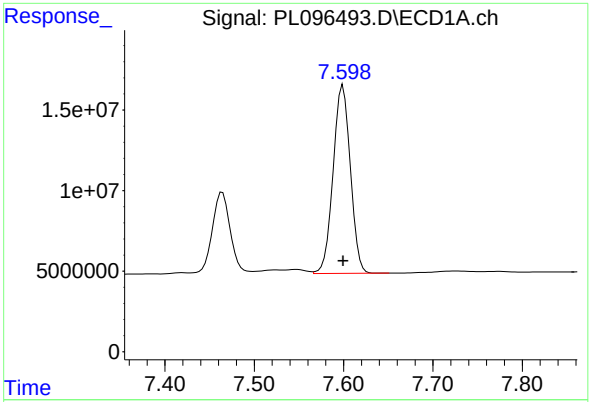
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 74352715
Conc: 47.20 ng/ml



#20 Methoxychlor

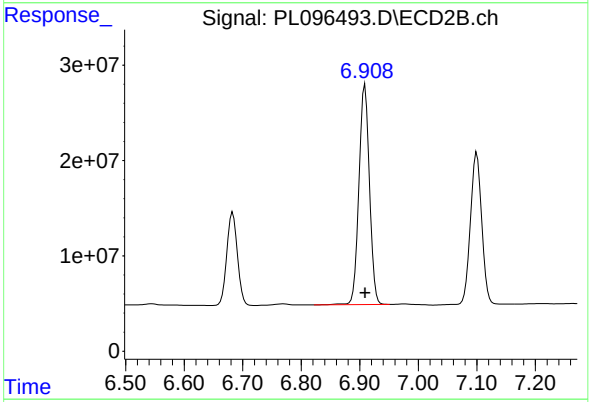
R.T.: 6.683 min
Delta R.T.: -0.002 min
Response: 123249318
Conc: 40.57 ng/ml



#21 Endrin ketone

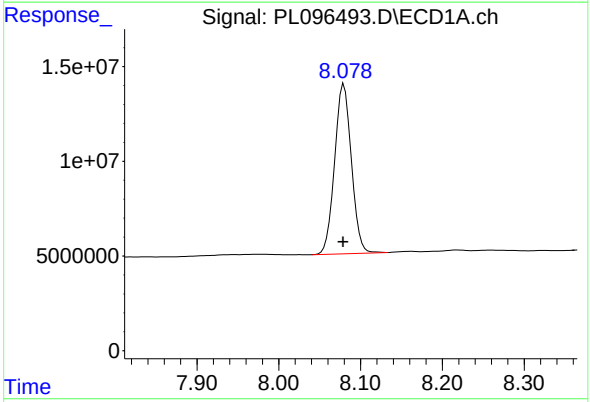
R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 156493430
Conc: 47.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



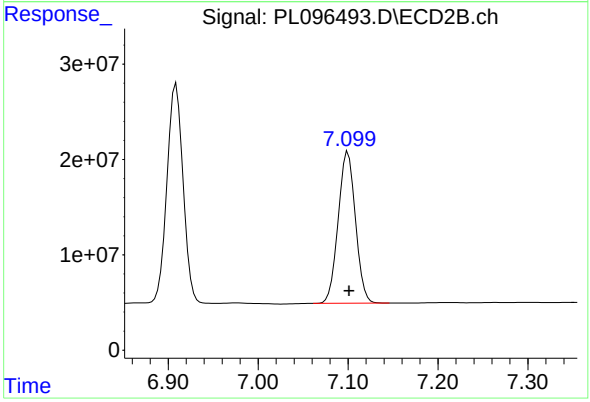
#21 Endrin ketone

R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 288787748
Conc: 46.19 ng/ml



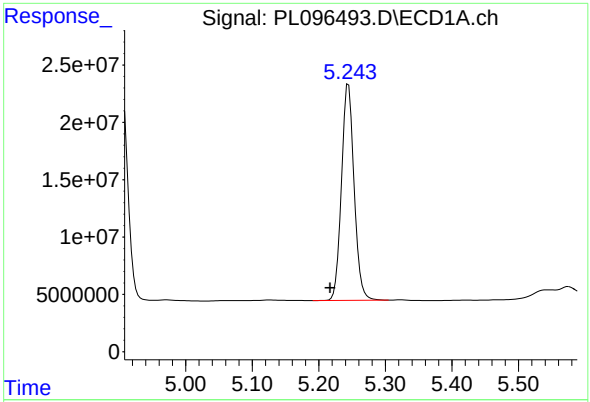
#22 Mirex

R.T.: 8.080 min
Delta R.T.: 0.001 min
Response: 127221657
Conc: 45.73 ng/ml



#22 Mirex

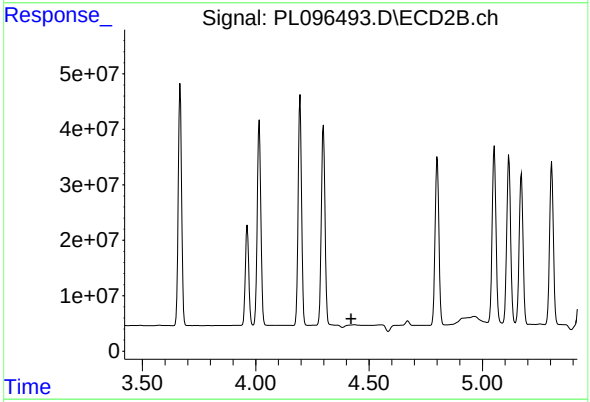
R.T.: 7.100 min
Delta R.T.: -0.001 min
Response: 212113580
Conc: 42.69 ng/ml



#24 Chlordane-2

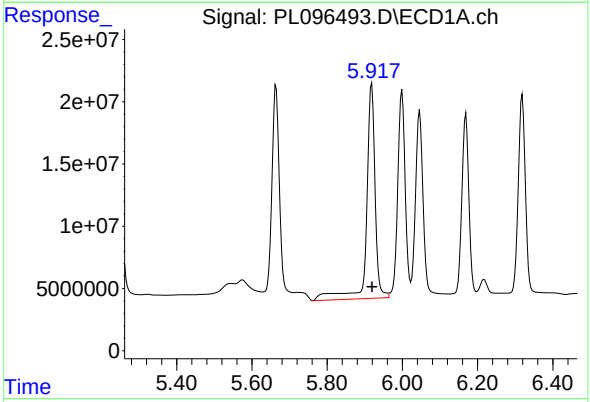
R.T.: 5.244 min
Delta R.T.: 0.028 min
Response: 248497535
Conc: 1269.27 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



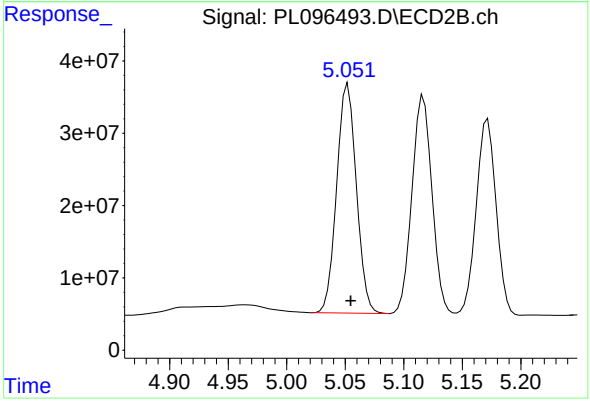
#24 Chlordane-2

R.T.: 4.437 min
Delta R.T.: 0.016 min
Response: -1703063
Conc: N.D.



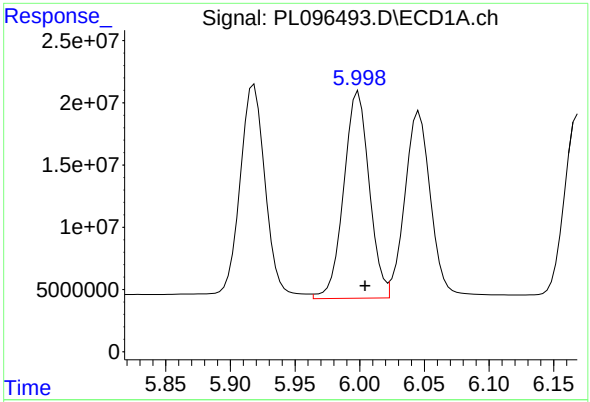
#25 Chlordane-3

R.T.: 5.918 min
Delta R.T.: -0.001 min
Response: 274418686
Conc: 372.47 ng/ml



#25 Chlordane-3

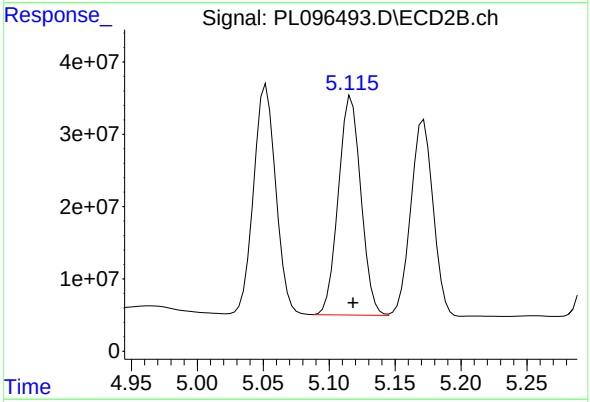
R.T.: 5.052 min
Delta R.T.: -0.003 min
Response: 371139869
Conc: 461.31 ng/ml



#26 Chlordane-4

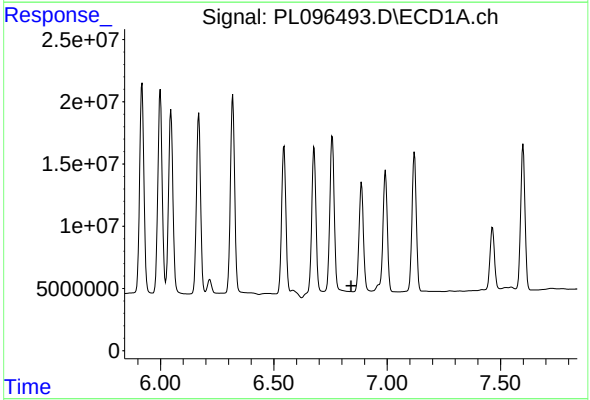
R.T.: 5.999 min
Delta R.T.: -0.005 min
Response: 227629669
Conc: 253.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



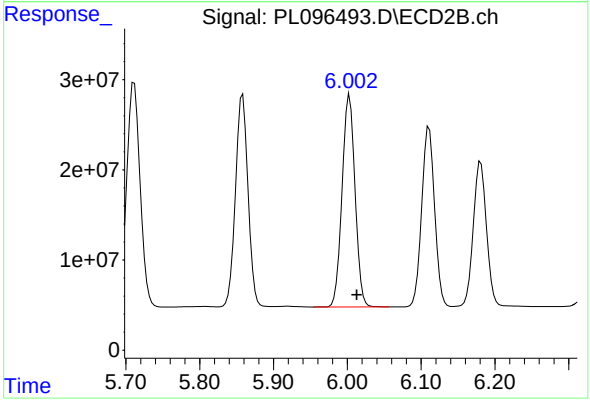
#26 Chlordane-4

R.T.: 5.117 min
Delta R.T.: -0.001 min
Response: 360421669
Conc: 479.65 ng/ml



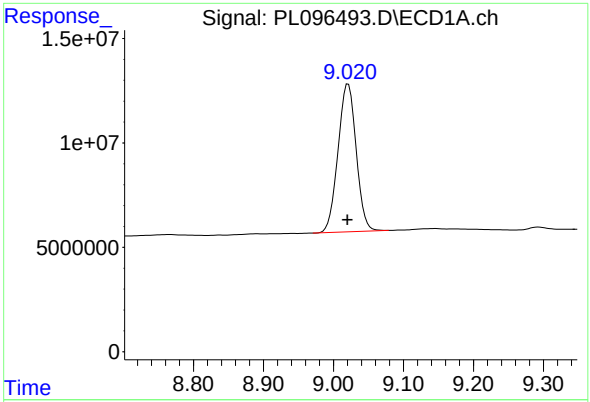
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.841 min
Response: 0
Conc: N.D.



#27 Chlordane-5

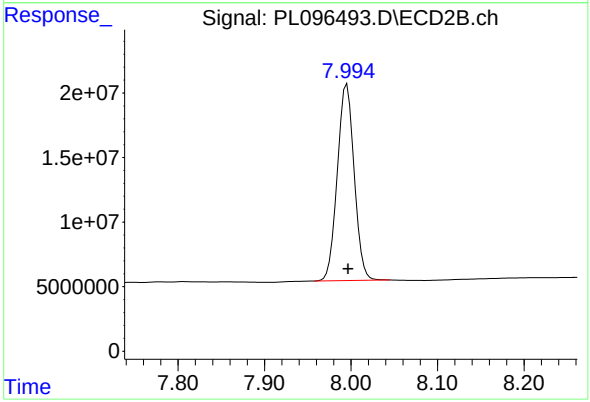
R.T.: 6.003 min
Delta R.T.: -0.009 min
Response: 286988731
Conc: 1012.48 ng/ml



#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