

Cover Page

Order ID : Q2879

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number

Q2879-01
Q2879-02
Q2879-03
Q2879-04
Q2879-05
Q2879-06
Q2879-07
Q2879-08
Q2879-09
Q2879-10
Q2879-11
Q2879-12
Q2879-13
Q2879-14
Q2879-15
Q2879-16
Q2879-17
Q2879-18

Client Sample Number

OU4-TS-GRILLO-TSCP03-081425
OU4-TS-GRILLO-TSCP03-081425
OU4-TS-GRILLO-TSCP04-081425
OU4-TS-GRILLO-TSCP04-081425
OU4-TS-GRILLO-TSCP05-081425
OU4-TS-GRILLO-TSCP05-081425
OU4-TS-GRILLO-TSCP06-081425
OU4-TS-GRILLO-TSCP06-081425
OU4-TS-GRILLO-TSCP07-081425
OU4-TS-GRILLO-TSCP07-081425
OU4-TS-GRILLO-TSCP08-081425
OU4-TS-GRILLO-TSCP08-081425
OU4-TS-GRILLO-TSCP09-081425
OU4-TS-GRILLO-TSCP09-081425
OU4-TS-GRILLO-TSCP10-081425
OU4-TS-GRILLO-TSCP10-081425
OU4-TS-GRILLO-TSCP11-081425
OU4-TS-GRILLO-TSCP11-081425

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: 8/26/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Order ID # Q2879

Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:

9 Solid samples were received on 08/15/2025.

B. Parameters

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

C. Analytical Techniques:

The analysis was performed on instrument ECD_L. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df.; Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017-11. The analysis of Pesticide-TCLs was based on method 8081B and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for OU4-TS-GRILLO-TSCP06-081425 [Decachlorobiphenyl(2)53%], OU4-TS-GRILLO-TSCP07-081425 [Decachlorobiphenyl(2)53%], OU4-TS-GRILLO-TSCP11-081425 [Decachlorobiphenyl(2)52%] AS per method one surrogate allowed to fail to meet the criteria per column, No further corrective action was taken and VNJ-210MS [Decachlorobiphenyl(1)136%] failing but Original sample and MSD passing for surrogate therefore no corrective action taken.

The Retention Times were met for all analysis.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the requirements for all compounds.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

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

The %RSD is greater than 20% in the Initial Calibration (Method PL072825.M) for Endrin aldehyde in 2nd column, this Compound is passing on Linear regression.

The Continuous Calibration met the requirements.



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E. Additional Comments:

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

The not QT review data is reported in the Miscellaneous.

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

F. Manual Integration Comments:

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

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

Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

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

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



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2879

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 %RSD is greater than 20% in the Initial Calibration (Method PL072825.M) for Endrin aldehyde in 2nd column, this Compound is passing on Linear regression.			
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-GRILLO-TSCP06-081425 [Decachlorobiphenyl(2)53%], OU4-TS-GRILLO-TSCP07-081425 [Decachlorobiphenyl(2)53%], OU4-TS-GRILLO-TSCP11-081425 [Decachlorobiphenyl(2)52%] AS per method one surrogate allowed to fail to meet the criteria per column, No further corrective action was taken and VNJ-210MS [Decachlorobiphenyl(1)136%] failing but Original sample and MSD passing for surrogate therefore no corrective action taken.			
6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
The MS recoveries met the requirements for all compounds.			
The MSD recoveries met the requirements for all compounds.			
The Blank Spike met requirements for all compounds.			
The RPD were met for all analysis.			
7. Retention Time Shift Meet Criteria (if applicable)			✓
Comments:			



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

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

ADDITIONAL COMMENTS:

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

The not QT review data is reported in the Miscellaneous.

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

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2879

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 Custody

✓

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: 08/26/2025

LAB CHRONICLE

OrderID:	Q2879	OrderDate:	8/15/2025 9:15:00 AM
Client:	Nobis Group	Project:	Raymark Superfund Site
Contact:	Adam Roy	Location:	J23,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2879-01	OU4-TS-GRILLO-TSCP 03-081425	SOIL			08/14/25			08/15/25
			PCB	8082A		08/18/25	08/18/25	
			Pesticide-TCL	8081B		08/18/25	08/18/25	
Q2879-03	OU4-TS-GRILLO-TSCP 04-081425	SOIL			08/14/25			08/15/25
			PCB	8082A		08/18/25	08/18/25	
			Pesticide-TCL	8081B		08/18/25	08/18/25	
Q2879-05	OU4-TS-GRILLO-TSCP 05-081425	SOIL			08/14/25			08/15/25
			PCB	8082A		08/18/25	08/18/25	
			Pesticide-TCL	8081B		08/18/25	08/18/25	
Q2879-07	OU4-TS-GRILLO-TSCP 06-081425	SOIL			08/14/25			08/15/25
			PCB	8082A		08/18/25	08/18/25	
			Pesticide-TCL	8081B		08/18/25	08/18/25	
Q2879-09	OU4-TS-GRILLO-TSCP 07-081425	SOIL			08/14/25			08/15/25
			PCB	8082A		08/18/25	08/18/25	
			Pesticide-TCL	8081B		08/18/25	08/18/25	
Q2879-11	OU4-TS-GRILLO-TSCP 08-081425	SOIL			08/14/25			08/15/25
			PCB	8082A		08/18/25	08/18/25	
			Pesticide-TCL	8081B		08/18/25	08/18/25	
Q2879-13	OU4-TS-GRILLO-TSCP 09-081425	SOIL			08/14/25			08/15/25
			PCB	8082A		08/18/25	08/18/25	
			Pesticide-TCL	8081B		08/18/25	08/19/25	

LAB CHRONICLE

Q2879-15	OU4-TS-GRILLO-TSCP 10-081425	SOIL	08/14/25				08/15/25
			PCB	8082A	08/18/25	08/18/25	
			Pesticide-TCL	8081B	08/18/25	08/19/25	
Q2879-17	OU4-TS-GRILLO-TSCP 11-081425	SOIL	08/14/25				08/15/25
			PCB	8082A	08/18/25	08/18/25	
			Pesticide-TCL	8081B	08/18/25	08/19/25	

Hit Summary Sheet SW-846

SDG No.: Q2879

Order ID: Q2879

Client: Nobis Group

Project ID: Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-TS-GRILLO-TSCP03-08142									
Q2879-01	OU4-TS-GRILLO-TS	SOIL	4,4-DDE	0.0083		0.00016	0.00037	0.0019	mg/Kg
Q2879-01	OU4-TS-GRILLO-TS	SOIL	4,4-DDD	0.0022	P	0.00017	0.00037	0.0019	mg/Kg
Q2879-01	OU4-TS-GRILLO-TS	SOIL	4,4-DDT	0.0041		0.00016	0.00037	0.0019	mg/Kg
Q2879-01	OU4-TS-GRILLO-TS	SOIL	alpha-Chlordane	0.011	P	0.00013	0.00037	0.0019	mg/Kg
Q2879-01	OU4-TS-GRILLO-TS	SOIL	gamma-Chlordane	0.0060	P	0.00017	0.00037	0.0019	mg/Kg
Total Concentration:						0.03160			
Client ID : OU4-TS-GRILLO-TSCP04-08142									
Q2879-03	OU4-TS-GRILLO-TS	SOIL	4,4-DDE	0.0080		0.00016	0.00038	0.0019	mg/Kg
Q2879-03	OU4-TS-GRILLO-TS	SOIL	4,4-DDD	0.0017	JP	0.00017	0.00038	0.0019	mg/Kg
Q2879-03	OU4-TS-GRILLO-TS	SOIL	4,4-DDT	0.0033		0.00016	0.00038	0.0019	mg/Kg
Q2879-03	OU4-TS-GRILLO-TS	SOIL	alpha-Chlordane	0.012	P	0.00014	0.00038	0.0019	mg/Kg
Q2879-03	OU4-TS-GRILLO-TS	SOIL	gamma-Chlordane	0.0065	P	0.00017	0.00038	0.0019	mg/Kg
Total Concentration:						0.03150			
Client ID : OU4-TS-GRILLO-TSCP05-08142									
Q2879-05	OU4-TS-GRILLO-TS	SOIL	4,4-DDE	0.0069		0.00015	0.00035	0.0018	mg/Kg
Q2879-05	OU4-TS-GRILLO-TS	SOIL	4,4-DDD	0.0017	JP	0.00016	0.00035	0.0018	mg/Kg
Q2879-05	OU4-TS-GRILLO-TS	SOIL	4,4-DDT	0.0029		0.00015	0.00035	0.0018	mg/Kg
Q2879-05	OU4-TS-GRILLO-TS	SOIL	alpha-Chlordane	0.0093	P	0.00013	0.00035	0.0018	mg/Kg
Q2879-05	OU4-TS-GRILLO-TS	SOIL	gamma-Chlordane	0.0052	P	0.00016	0.00035	0.0018	mg/Kg
Total Concentration:						0.02600			
Client ID : OU4-TS-GRILLO-TSCP06-08142									
Q2879-07	OU4-TS-GRILLO-TS	SOIL	4,4-DDE	0.0061		0.00015	0.00036	0.0019	mg/Kg
Q2879-07	OU4-TS-GRILLO-TS	SOIL	4,4-DDD	0.0012	JP	0.00017	0.00036	0.0019	mg/Kg
Q2879-07	OU4-TS-GRILLO-TS	SOIL	4,4-DDT	0.0022		0.00015	0.00036	0.0019	mg/Kg
Q2879-07	OU4-TS-GRILLO-TS	SOIL	alpha-Chlordane	0.0078	P	0.00013	0.00036	0.0019	mg/Kg
Q2879-07	OU4-TS-GRILLO-TS	SOIL	gamma-Chlordane	0.0038	P	0.00017	0.00036	0.0019	mg/Kg
Total Concentration:						0.02110			
Client ID : OU4-TS-GRILLO-TSCP07-08142									
Q2879-09	OU4-TS-GRILLO-TS	SOIL	4,4-DDE	0.0075		0.00015	0.00035	0.0018	mg/Kg
Q2879-09	OU4-TS-GRILLO-TS	SOIL	4,4-DDD	0.0023	P	0.00016	0.00035	0.0018	mg/Kg
Q2879-09	OU4-TS-GRILLO-TS	SOIL	4,4-DDT	0.0033		0.00015	0.00035	0.0018	mg/Kg
Q2879-09	OU4-TS-GRILLO-TS	SOIL	alpha-Chlordane	0.0085	P	0.00013	0.00035	0.0018	mg/Kg
Q2879-09	OU4-TS-GRILLO-TS	SOIL	gamma-Chlordane	0.0044	P	0.00016	0.00035	0.0018	mg/Kg
Total Concentration:						0.02600			

Hit Summary Sheet
SW-846

SDG No.: Q2879

Order ID: Q2879

Client: Nobis Group

Project ID: Raymark Superfund Site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : OU4-TS-GRILLO-TSCP08-08142									
Q2879-11	OU4-TS-GRILLO-TS ¹ SOIL		4,4-DDE	0.0091		0.00015	0.00036	0.0019	mg/Kg
Q2879-11	OU4-TS-GRILLO-TS ¹ SOIL		4,4-DDD	0.0027	P	0.00016	0.00036	0.0019	mg/Kg
Q2879-11	OU4-TS-GRILLO-TS ¹ SOIL		4,4-DDT	0.0047		0.00015	0.00036	0.0019	mg/Kg
Q2879-11	OU4-TS-GRILLO-TS ¹ SOIL		alpha-Chlordane	0.012	P	0.00013	0.00036	0.0019	mg/Kg
Q2879-11	OU4-TS-GRILLO-TS ¹ SOIL		gamma-Chlordane	0.0059		0.00016	0.00036	0.0019	mg/Kg
Total Concentration:						0.03440			
Client ID : OU4-TS-GRILLO-TSCP09-08142									
Q2879-13	OU4-TS-GRILLO-TS ¹ SOIL		4,4-DDE	0.010		0.00015	0.00036	0.0018	mg/Kg
Q2879-13	OU4-TS-GRILLO-TS ¹ SOIL		4,4-DDD	0.0016	J	0.00016	0.00036	0.0018	mg/Kg
Q2879-13	OU4-TS-GRILLO-TS ¹ SOIL		4,4-DDT	0.0060		0.00015	0.00036	0.0018	mg/Kg
Q2879-13	OU4-TS-GRILLO-TS ¹ SOIL		alpha-Chlordane	0.012	P	0.00013	0.00036	0.0018	mg/Kg
Q2879-13	OU4-TS-GRILLO-TS ¹ SOIL		gamma-Chlordane	0.0055	P	0.00016	0.00036	0.0018	mg/Kg
Total Concentration:						0.03510			
Client ID : OU4-TS-GRILLO-TSCP10-08142									
Q2879-15	OU4-TS-GRILLO-TS ¹ SOIL		4,4-DDE	0.011		0.00015	0.00036	0.0019	mg/Kg
Q2879-15	OU4-TS-GRILLO-TS ¹ SOIL		4,4-DDD	0.0021	P	0.00016	0.00036	0.0019	mg/Kg
Q2879-15	OU4-TS-GRILLO-TS ¹ SOIL		4,4-DDT	0.0058		0.00015	0.00036	0.0019	mg/Kg
Q2879-15	OU4-TS-GRILLO-TS ¹ SOIL		alpha-Chlordane	0.013	P	0.00013	0.00036	0.0019	mg/Kg
Q2879-15	OU4-TS-GRILLO-TS ¹ SOIL		gamma-Chlordane	0.0062	P	0.00016	0.00036	0.0019	mg/Kg
Total Concentration:						0.03810			
Client ID : OU4-TS-GRILLO-TSCP11-08142									
Q2879-17	OU4-TS-GRILLO-TS ¹ SOIL		4,4-DDE	0.0087		0.00018	0.00043	0.0022	mg/Kg
Q2879-17	OU4-TS-GRILLO-TS ¹ SOIL		4,4-DDD	0.0013	JP	0.00019	0.00043	0.0022	mg/Kg
Q2879-17	OU4-TS-GRILLO-TS ¹ SOIL		4,4-DDT	0.0048		0.00018	0.00043	0.0022	mg/Kg
Q2879-17	OU4-TS-GRILLO-TS ¹ SOIL		alpha-Chlordane	0.015	P	0.00016	0.00043	0.0022	mg/Kg
Q2879-17	OU4-TS-GRILLO-TS ¹ SOIL		gamma-Chlordane	0.0069	P	0.00019	0.00043	0.0022	mg/Kg
Total Concentration:						0.03670			



QC SUMMARY

Surrogate Summary

SDG No.: **Q2879**

Client: **Nobis Group**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PL096593.D	PIBLK-PL096593.D	Decachlorobiphen	1	20	19.2	96		30	135
		Tetrachloro-m-xyl	1	20	18.6	93		44	124
		Decachlorobiphen	2	20	19.1	95		30	135
		Tetrachloro-m-xyl	2	20	18.3	92		44	124
I.BLK-PL096843.D	PIBLK-PL096843.D	Decachlorobiphen	1	20	22.3	112		30	135
		Tetrachloro-m-xyl	1	20	21.7	108		44	124
		Decachlorobiphen	2	20	19.8	99		30	135
		Tetrachloro-m-xyl	2	20	21.1	105		44	124
PB169283BL	PB169283BL	Decachlorobiphen	1	20	18.7	94		55	130
		Tetrachloro-m-xyl	1	20	18.6	93		42	129
		Decachlorobiphen	2	20	19.2	96		55	130
		Tetrachloro-m-xyl	2	20	19.2	96		42	129
I.BLK-PL096849.D	PIBLK-PL096849.D	Decachlorobiphen	1	20	22.3	111		30	135
		Tetrachloro-m-xyl	1	20	21.1	106		44	124
		Decachlorobiphen	2	20	21.0	105		30	135
		Tetrachloro-m-xyl	2	20	21.3	107		44	124
I.BLK-PL096857.D	PIBLK-PL096857.D	Decachlorobiphen	1	20	22.5	112		30	135
		Tetrachloro-m-xyl	1	20	21.1	105		44	124
		Decachlorobiphen	2	20	22.0	110		30	135
		Tetrachloro-m-xyl	2	20	21.0	105		44	124
Q2879-01	OU4-TS-GRILLO-TSCP03-0814	Decachlorobiphen	1	20	13.9	70		55	130
		Tetrachloro-m-xyl	1	20	13.5	68		42	129
		Decachlorobiphen	2	20	14.1	71		55	130
		Tetrachloro-m-xyl	2	20	12.5	63		42	129
Q2879-03	OU4-TS-GRILLO-TSCP04-0814	Decachlorobiphen	1	20	12.3	62		55	130
		Tetrachloro-m-xyl	1	20	13.1	65		42	129
		Decachlorobiphen	2	20	12.0	60		55	130
		Tetrachloro-m-xyl	2	20	12.0	60		42	129
Q2879-05	OU4-TS-GRILLO-TSCP05-0814	Decachlorobiphen	1	20	12.0	60		55	130
		Tetrachloro-m-xyl	1	20	13.1	65		42	129
		Decachlorobiphen	2	20	11.6	58		55	130
		Tetrachloro-m-xyl	2	20	12.1	61		42	129
Q2879-07	OU4-TS-GRILLO-TSCP06-0814	Decachlorobiphen	1	20	11.1	55		55	130
		Tetrachloro-m-xyl	1	20	12.0	60		42	129
		Decachlorobiphen	2	20	10.7	53	*	55	130
		Tetrachloro-m-xyl	2	20	11.1	55		42	129
Q2879-09	OU4-TS-GRILLO-TSCP07-0814	Decachlorobiphen	1	20	11.0	55		55	130
		Tetrachloro-m-xyl	1	20	11.0	55		42	129
		Decachlorobiphen	2	20	10.7	53	*	55	130
		Tetrachloro-m-xyl	2	20	10.4	52		42	129
Q2879-11	OU4-TS-GRILLO-TSCP08-0814	Decachlorobiphen	1	20	15.3	76		55	130

Surrogate Summary

SDG No.: Q2879

Client: Nobis Group

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
Q2879-11	OU4-TS-GRILLO-TSCP08-0814	Tetrachloro-m-xyl	1	20	13.7	68		42	129
		Decachlorobiphen	2	20	14.7	73		55	130
		Tetrachloro-m-xyl	2	20	12.6	63		42	129
I.BLK-PL096866.D	PIBLK-PL096866.D	Decachlorobiphen	1	20	23.2	116		30	135
		Tetrachloro-m-xyl	1	20	21.3	106		44	124
		Decachlorobiphen	2	20	20.8	104		30	135
I.BLK-PL096881.D	PIBLK-PL096881.D	Tetrachloro-m-xyl	2	20	20.6	103		44	124
		Decachlorobiphen	1	20	24.0	120		30	135
		Tetrachloro-m-xyl	1	20	23.1	115		44	124
Q2879-13	OU4-TS-GRILLO-TSCP09-0814	Decachlorobiphen	2	20	19.2	96		30	135
		Tetrachloro-m-xyl	2	20	21.4	107		44	124
		Decachlorobiphen	1	20	16.1	80		55	130
Q2879-15	OU4-TS-GRILLO-TSCP10-0814	Tetrachloro-m-xyl	1	20	13.1	66		42	129
		Decachlorobiphen	2	20	15.1	75		55	130
		Tetrachloro-m-xyl	2	20	12.6	63		42	129
Q2879-17	OU4-TS-GRILLO-TSCP11-0814	Decachlorobiphen	1	20	17.5	88		55	130
		Tetrachloro-m-xyl	1	20	15.4	77		42	129
		Decachlorobiphen	2	20	15.8	79		55	130
Q2888-01MS	VNJ-210MS	Tetrachloro-m-xyl	2	20	13.8	69		42	129
		Decachlorobiphen	1	20	12.0	60		55	130
		Tetrachloro-m-xyl	1	20	13.0	65		42	129
Q2888-01MSD	VNJ-210MSD	Decachlorobiphen	2	20	10.5	52	*	55	130
		Tetrachloro-m-xyl	2	20	12.4	62		42	129
		Decachlorobiphen	1	20	27.3	136	*	55	130
PB169283BS	PB169283BS	Tetrachloro-m-xyl	1	20	20.8	104		42	129
		Decachlorobiphen	2	20	24.1	120		55	130
		Tetrachloro-m-xyl	2	20	20.7	104		42	129
I.BLK-PL096894.D	PIBLK-PL096894.D	Decachlorobiphen	1	20	23.5	117		55	130
		Tetrachloro-m-xyl	1	20	21.1	106		42	129
		Decachlorobiphen	2	20	23.4	117		55	130
I.BLK-PL096894.D	PIBLK-PL096894.D	Tetrachloro-m-xyl	2	20	21.0	105		42	129
		Decachlorobiphen	1	20	20.3	101		55	130
		Tetrachloro-m-xyl	1	20	18.5	92		42	129
I.BLK-PL096894.D	PIBLK-PL096894.D	Decachlorobiphen	2	20	16.2	81		55	130
		Tetrachloro-m-xyl	2	20	19.2	96		42	129
		Decachlorobiphen	1	20	24.7	124		30	135
I.BLK-PL096894.D	PIBLK-PL096894.D	Tetrachloro-m-xyl	1	20	22.8	114		44	124
		Decachlorobiphen	2	20	20.1	100		30	135
		Tetrachloro-m-xyl	2	20	23.3	117		44	124

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2879</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Nobis Group</u>	DataFile :	<u>PL096890.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits	
			Result								High	RPD
Lab Sample ID:	Q2888-01MS (Column 1)	Client Sample ID:		VNJ-210MS								
	alpha-BHC	17.52	0	17.6	ug/kg	100				45	137	
	beta-BHC	17.52	0	15.6	ug/kg	89				50	136	
	delta-BHC	17.52	0	15.5	ug/kg	88				47	139	
	gamma-BHC (Lindane)	17.52	0	18.0	ug/kg	103				49	135	
	Heptachlor	17.52	0	19.5	ug/kg	111				47	136	
	Aldrin	17.52	0	19.0	ug/kg	108				45	136	
	Heptachlor epoxide	17.52	0	18.0	ug/kg	103				52	136	
	Endosulfan I	17.52	0	19.1	ug/kg	109				53	132	
	Dieldrin	17.52	0	16.7	ug/kg	95				56	136	
	4,4'-DDE	17.52	2.50	19.2	ug/kg	95				56	134	
	Endrin	17.52	0	16.7	ug/kg	95				57	140	
	Endosulfan II	17.52	0	16.0	ug/kg	91				53	134	
	4,4'-DDD	17.52	0	19.3	ug/kg	110				56	139	
	Endosulfan sulfate	17.52	0	16.3	ug/kg	93				55	136	
	4,4'-DDT	17.52	4.30	23.2	ug/kg	108				50	141	
	Methoxychlor	17.52	0	19.1	ug/kg	109				52	143	
	Endrin ketone	17.52	0	16.1	ug/kg	92				55	136	
	Endrin aldehyde	17.52	0	17.9	ug/kg	102				35	137	
	alpha-Chlordane	17.52	2.60	19.4	ug/kg	96				54	133	
	gamma-Chlordane	17.52	1.30	19.0	ug/kg	101				53	135	
Lab Sample ID:	Q2888-01MS (Column 2)	Client Sample ID:		VNJ-210MS								
	alpha-BHC	17.52	0	18.1	ug/kg	103				45	137	
	beta-BHC	17.52	0	18.2	ug/kg	104				50	136	
	delta-BHC	17.52	0	15.0	ug/kg	86				47	139	
	gamma-BHC (Lindane)	17.52	0	17.9	ug/kg	102				49	135	
	Heptachlor	17.52	0	17.6	ug/kg	100				47	136	
	Aldrin	17.52	0	17.4	ug/kg	99				45	136	
	Heptachlor epoxide	17.52	0	16.7	ug/kg	95				52	136	
	Endosulfan I	17.52	0	17.0	ug/kg	97				53	132	
	Dieldrin	17.52	0	18.4	ug/kg	105				56	136	
	4,4'-DDE	17.52	3.0	20.6	ug/kg	100				56	134	
	Endrin	17.52	0	17.7	ug/kg	101				57	140	
	Endosulfan II	17.52	0	17.4	ug/kg	99				53	134	
	4,4'-DDD	17.52	0	14.7	ug/kg	84				56	139	
	Endosulfan sulfate	17.52	0	14.6	ug/kg	83				55	136	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2879</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Nobis Group</u>	DataFile :	<u>PL096890.D</u>

Parameter	Spike	Sample		Units	Rec	Rec	RPD		Limits	RPD
		Result	Result				Qual	RPD		
4,4'-DDT	17.52	4.10	21.2	ug/kg	98				50	141
Methoxychlor	17.52	0	13.9	ug/kg	79				52	143
Endrin ketone	17.52	0	14.3	ug/kg	82				55	136
Endrin aldehyde	17.52	0	17.1	ug/kg	98				35	137
alpha-Chlordane	17.52	1.50	19.4	ug/kg	102				54	133
gamma-Chlordane	17.52	0.93	18.1	ug/kg	98				53	135

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2879</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Nobis Group</u>	DataFile :	<u>PL096891.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Limits		
			Qual	RPD			Qual	Low	High	RPD		
Lab Sample ID:	Q2888-01MSD	Client Sample ID:		VNJ-210MSD								
	(Column 1)											
	alpha-BHC	17.5	0	18.1	ug/kg	103		3		45	137	20
	beta-BHC	17.5	0	16.1	ug/kg	92		3		50	136	20
	delta-BHC	17.5	0	16.0	ug/kg	91		3		47	139	20
	gamma-BHC (Lindane)	17.5	0	18.4	ug/kg	105		2		49	135	20
	Heptachlor	17.5	0	20.3	ug/kg	116		4		47	136	20
	Aldrin	17.5	0	19.7	ug/kg	113		5		45	136	20
	Heptachlor epoxide	17.5	0	18.7	ug/kg	107		4		52	136	20
	Endosulfan I	17.5	0	20.2	ug/kg	115		5		53	132	20
	Dieldrin	17.5	0	17.5	ug/kg	100		5		56	136	20
	4,4'-DDE	17.5	2.50	19.5	ug/kg	97		2		56	134	20
	Endrin	17.5	0	17.4	ug/kg	99		4		57	140	20
	Endosulfan II	17.5	0	16.0	ug/kg	91		0		53	134	20
	4,4'-DDD	17.5	0	20.5	ug/kg	117		6		56	139	20
	Endosulfan sulfate	17.5	0	16.7	ug/kg	95		2		55	136	20
	4,4'-DDT	17.5	4.30	24.0	ug/kg	113		5		50	141	20
	Methoxychlor	17.5	0	21.1	ug/kg	121		10		52	143	20
	Endrin ketone	17.5	0	16.6	ug/kg	95		3		55	136	20
	Endrin aldehyde	17.5	0	18.0	ug/kg	103		1		35	137	20
	alpha-Chlordane	17.5	2.60	20.5	ug/kg	102		6		54	133	20
	gamma-Chlordane	17.5	1.30	20.0	ug/kg	107		6		53	135	20
Lab Sample ID:	Q2888-01MSD	Client Sample ID:		VNJ-210MSD								
	(Column 2)											
	alpha-BHC	17.5	0	18.4	ug/kg	105		2		45	137	20
	beta-BHC	17.5	0	18.6	ug/kg	106		2		50	136	20
	delta-BHC	17.5	0	15.3	ug/kg	87		1		47	139	20
	gamma-BHC (Lindane)	17.5	0	18.2	ug/kg	104		2		49	135	20
	Heptachlor	17.5	0	17.9	ug/kg	102		2		47	136	20
	Aldrin	17.5	0	17.8	ug/kg	102		3		45	136	20
	Heptachlor epoxide	17.5	0	17.0	ug/kg	97		2		52	136	20
	Endosulfan I	17.5	0	17.4	ug/kg	99		2		53	132	20
	Dieldrin	17.5	0	19.2	ug/kg	110		5		56	136	20
	4,4'-DDE	17.5	3.0	21.3	ug/kg	105		5		56	134	20
	Endrin	17.5	0	18.3	ug/kg	105		4		57	140	20
	Endosulfan II	17.5	0	18.1	ug/kg	103		4		53	134	20
	4,4'-DDD	17.5	0	15.1	ug/kg	86		2		56	139	20
	Endosulfan sulfate	17.5	0	14.8	ug/kg	85		2		55	136	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2879</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Nobis Group</u>	DataFile :	<u>PL096891.D</u>

Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD		Limits High	RPD
		Result	Result				RPD	Qual		
4,4'-DDT	17.5	4.10	21.9	ug/kg	102		4		50	20
Methoxychlor	17.5	0	14.4	ug/kg	82		4		52	20
Endrin ketone	17.5	0	14.9	ug/kg	85		4		55	20
Endrin aldehyde	17.5	0	17.0	ug/kg	97		1		35	20
alpha-Chlordane	17.5	1.50	19.9	ug/kg	105		3		54	20
gamma-Chlordane	17.5	0.93	19.0	ug/kg	103		5		53	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2879</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Nobis Group</u>	Datafile :	<u>PL096893.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB169283BS (Column 1)	alpha-BHC	16.66	17.0	ug/kg	102				45	137	
	beta-BHC	16.66	16.7	ug/kg	100				50	136	
	delta-BHC	16.66	17.0	ug/kg	102				47	139	
	gamma-BHC (Lindane)	16.66	16.6	ug/kg	100				49	135	
	Heptachlor	16.66	17.2	ug/kg	103				47	136	
	Aldrin	16.66	16.0	ug/kg	96				45	136	
	Heptachlor epoxide	16.66	16.5	ug/kg	99				52	136	
	Endosulfan I	16.66	15.6	ug/kg	94				53	132	
	Dieldrin	16.66	15.6	ug/kg	94				56	136	
	4,4'-DDE	16.66	16.0	ug/kg	96				56	134	
	Endrin	16.66	15.8	ug/kg	95				57	140	
	Endosulfan II	16.66	15.3	ug/kg	92				53	134	
	4,4'-DDD	16.66	16.3	ug/kg	98				56	139	
	Endosulfan sulfate	16.66	14.8	ug/kg	89				55	136	
	4,4'-DDT	16.66	15.0	ug/kg	90				50	141	
	Methoxychlor	16.66	14.8	ug/kg	89				52	143	
	Endrin ketone	16.66	15.0	ug/kg	90				55	136	
	Endrin aldehyde	16.66	16.3	ug/kg	98				35	137	
	alpha-Chlordane	16.66	15.9	ug/kg	95				54	133	
	gamma-Chlordane	16.66	16.3	ug/kg	98				53	135	
PB169283BS (Column 2)	alpha-BHC	16.66	16.9	ug/kg	101				45	137	
	beta-BHC	16.66	16.3	ug/kg	98				50	136	
	delta-BHC	16.66	16.3	ug/kg	98				47	139	
	gamma-BHC (Lindane)	16.66	16.7	ug/kg	100				49	135	
	Heptachlor	16.66	16.1	ug/kg	97				47	136	
	Aldrin	16.66	16.2	ug/kg	97				45	136	
	Heptachlor epoxide	16.66	15.6	ug/kg	94				52	136	
	Endosulfan I	16.66	14.6	ug/kg	88				53	132	
	Dieldrin	16.66	15.0	ug/kg	90				56	136	
	4,4'-DDE	16.66	15.2	ug/kg	91				56	134	
	Endrin	16.66	14.4	ug/kg	86				57	140	
	Endosulfan II	16.66	14.2	ug/kg	85				53	134	
	4,4'-DDD	16.66	14.5	ug/kg	87				56	139	
	Endosulfan sulfate	16.66	13.5	ug/kg	81				55	136	
	4,4'-DDT	16.66	13.6	ug/kg	82				50	141	
	Methoxychlor	16.66	13.3	ug/kg	80				52	143	
	Endrin ketone	16.66	13.0	ug/kg	78				55	136	
	Endrin aldehyde	16.66	14.9	ug/kg	89				35	137	
	alpha-Chlordane	16.66	15.1	ug/kg	91				54	133	
	gamma-Chlordane	16.66	15.5	ug/kg	93				53	135	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB169283BL

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

Lab Sample ID: PB169283BL

Lab File ID: PL096846.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 08/18/2025

Date Analyzed (1): 08/18/2025

Date Analyzed (2): 08/18/2025

Time Analyzed (1): 11:56

Time Analyzed (2): 11:56

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-GRILLO-TSCP03-081425	Q2879-01	PL096860.D	08/18/2025	08/18/2025
OU4-TS-GRILLO-TSCP04-081425	Q2879-03	PL096861.D	08/18/2025	08/18/2025
OU4-TS-GRILLO-TSCP05-081425	Q2879-05	PL096862.D	08/18/2025	08/18/2025
OU4-TS-GRILLO-TSCP06-081425	Q2879-07	PL096863.D	08/18/2025	08/18/2025
OU4-TS-GRILLO-TSCP07-081425	Q2879-09	PL096864.D	08/18/2025	08/18/2025
OU4-TS-GRILLO-TSCP08-081425	Q2879-11	PL096865.D	08/18/2025	08/18/2025
OU4-TS-GRILLO-TSCP09-081425	Q2879-13	PL096884.D	08/19/2025	08/19/2025
OU4-TS-GRILLO-TSCP10-081425	Q2879-15	PL096885.D	08/19/2025	08/19/2025
OU4-TS-GRILLO-TSCP11-081425	Q2879-17	PL096886.D	08/19/2025	08/19/2025
VNJ-210MS	Q2888-01MS	PL096890.D	08/19/2025	08/19/2025
VNJ-210MSD	Q2888-01MSD	PL096891.D	08/19/2025	08/19/2025
PB169283BS	PB169283BS	PL096893.D	08/19/2025	08/19/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP03-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89.1 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
PL096860.D	1	08/18/25 08:06	08/18/25 17:38	PB169283

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00037	U	0.00015	0.00037	0.0019	mg/Kg
319-85-7	beta-BHC	0.00093	U	0.00020	0.00093	0.0019	mg/Kg
319-86-8	delta-BHC	0.00093	U	0.00044	0.00093	0.0019	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00037	U	0.00016	0.00037	0.0019	mg/Kg
76-44-8	Heptachlor	0.00037	U	0.00013	0.00037	0.0019	mg/Kg
309-00-2	Aldrin	0.00037	U	0.00013	0.00037	0.0019	mg/Kg
1024-57-3	Heptachlor epoxide	0.00093	U	0.00021	0.00093	0.0019	mg/Kg
959-98-8	Endosulfan I	0.00037	U	0.00016	0.00037	0.0019	mg/Kg
60-57-1	Dieldrin	0.00037	U	0.00016	0.00037	0.0019	mg/Kg
72-55-9	4,4-DDE	0.0083		0.00016	0.00037	0.0019	mg/Kg
72-20-8	Endrin	0.00037	U	0.00016	0.00037	0.0019	mg/Kg
33213-65-9	Endosulfan II	0.00093	U	0.00032	0.00093	0.0019	mg/Kg
72-54-8	4,4-DDD	0.0022	P	0.00017	0.00037	0.0019	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00037	U	0.00015	0.00037	0.0019	mg/Kg
50-29-3	4,4-DDT	0.0041		0.00016	0.00037	0.0019	mg/Kg
72-43-5	Methoxychlor	0.00093	U	0.00041	0.00093	0.0019	mg/Kg
53494-70-5	Endrin ketone	0.00093	U	0.00021	0.00093	0.0019	mg/Kg
7421-93-4	Endrin aldehyde	0.00093	U	0.00041	0.00093	0.0019	mg/Kg
5103-71-9	alpha-Chlordane	0.011	P	0.00013	0.00037	0.0019	mg/Kg
5103-74-2	gamma-Chlordane	0.0060	P	0.00017	0.00037	0.0019	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0061	0.019	0.037	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	14.1		55 - 130		71%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.5		42 - 129		68%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	08/14/25	
Project:	Raymark Superfund Site		Date Received:	08/15/25	
Client Sample ID:	OU4-TS-GRILLO-TSCP03-081425		SDG No.:	Q2879	
Lab Sample ID:	Q2879-01		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	89.1	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
PL096860.D	1	08/18/25 08:06	08/18/25 17:38	PB169283

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\PL081825\
 Data File : PL096860.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 17:38
 Operator : AR\AJ
 Sample : Q2879-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-TS-GRILLO-TSCP03-081425

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
 Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:00:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.825	43075306	59926286	13.542	12.543
28) SA Decachlor...	9.003	7.984	33145520	61158015	13.899m	14.097m
Target Compounds						
10) B gamma-Chl...	5.910	5.046	61273536	35540417	16.102	6.044m#
11) B alpha-Chl...	5.994	5.111	114.9E6	88689315	29.810	15.035 #
12) B 4,4'-DDE	6.160	5.300	71199777	106.2E6	22.172	19.253
16) A 4,4'-DDD	6.670	5.850	14565589	15891534	5.761m	3.377m#
17) MA 4,4'-DDT	6.981	6.103	24417852	55553677	8.515m	10.983 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096860.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 17:38
Operator : AR\AJ
Sample : Q2879-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

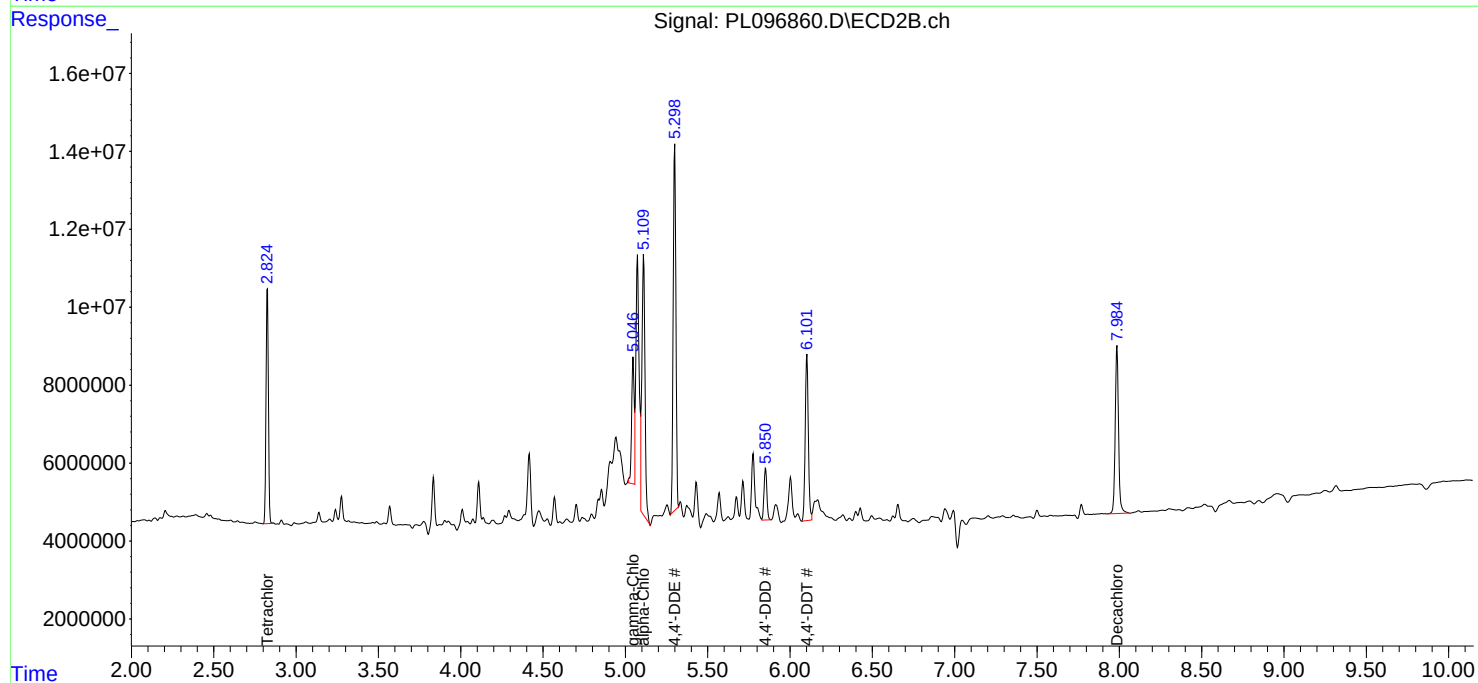
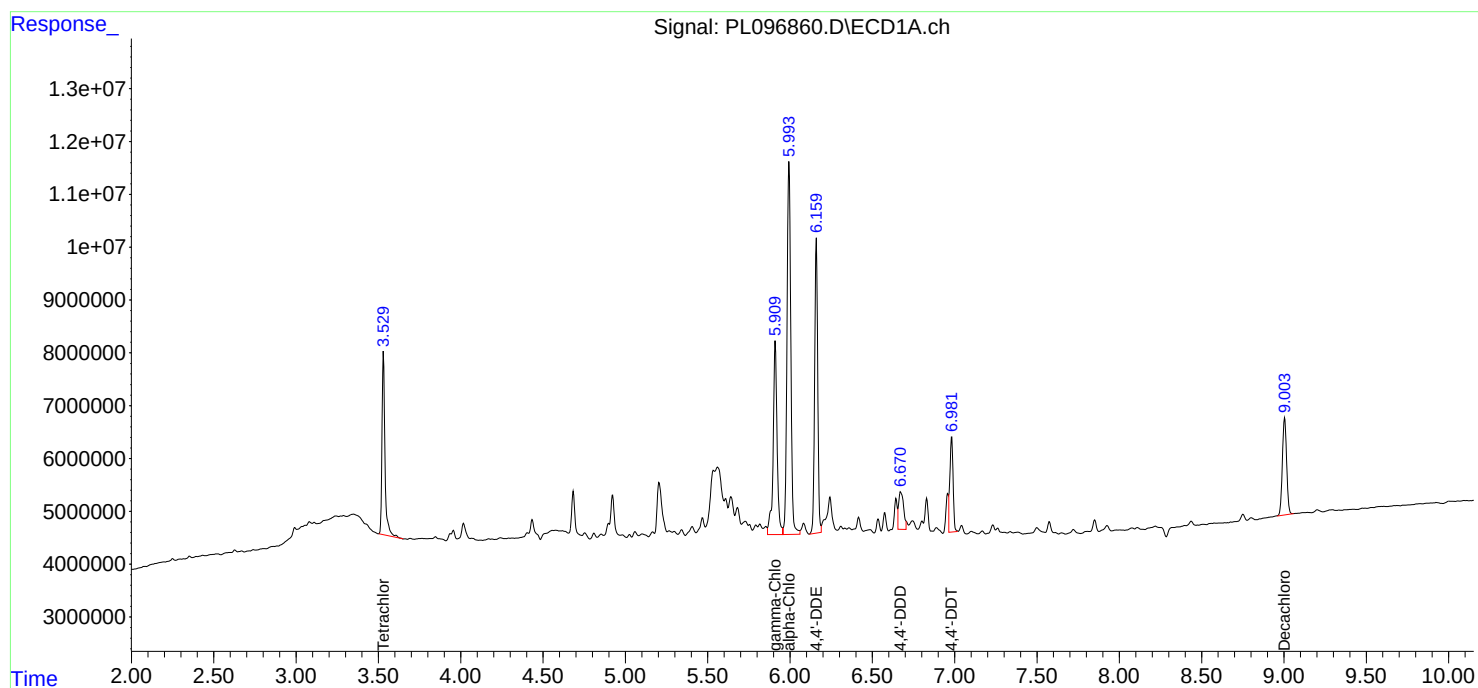
Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

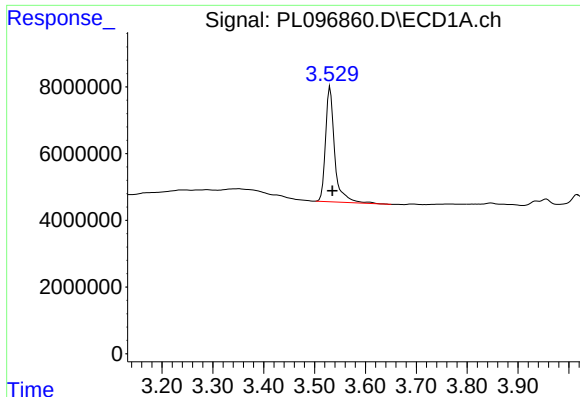
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 06:00:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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.: 3.531 min
Delta R.T.: -0.004 min
Response: 43075306
Conc: 13.54 ng/ml

Instrument :

ECD_L

ClientSampleId :

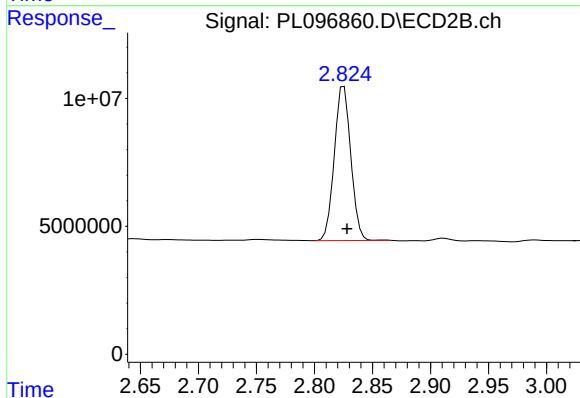
OU4-TS-GRILLO-TSCP03-081425

Manual Integrations

APPROVED

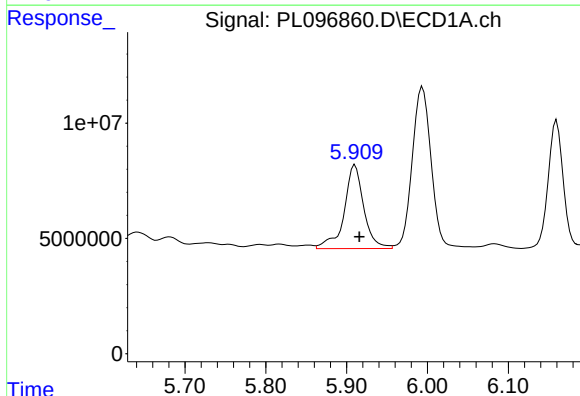
Reviewed By :Abdul Mirza 08/19/2025

Supervised By :mohammad ahmed 08/20/2025



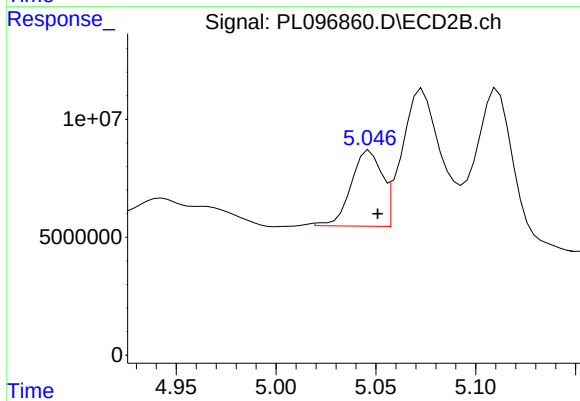
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 59926286
Conc: 12.54 ng/ml



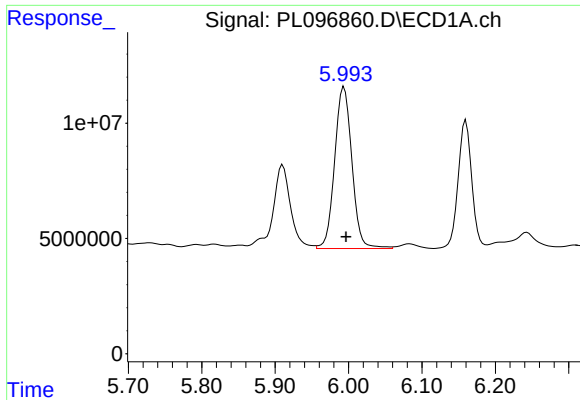
#10 gamma-Chlordane

R.T.: 5.910 min
Delta R.T.: -0.005 min
Response: 61273536
Conc: 16.10 ng/ml



#10 gamma-Chlordane

R.T.: 5.046 min
Delta R.T.: -0.005 min
Response: 35540417
Conc: 6.04 ng/ml m



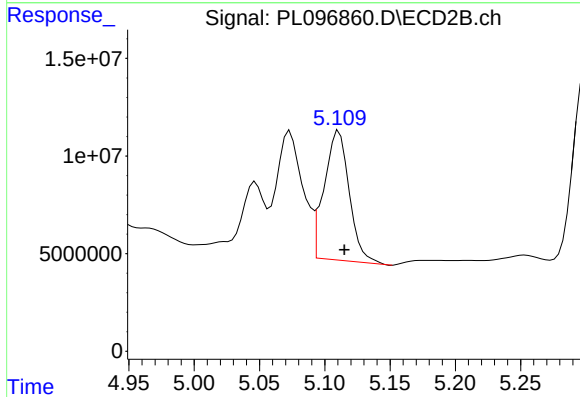
#11 alpha-Chlordane

R.T.: 5.994 min
Delta R.T.: -0.003 min
Response: 114906980
Conc: 29.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

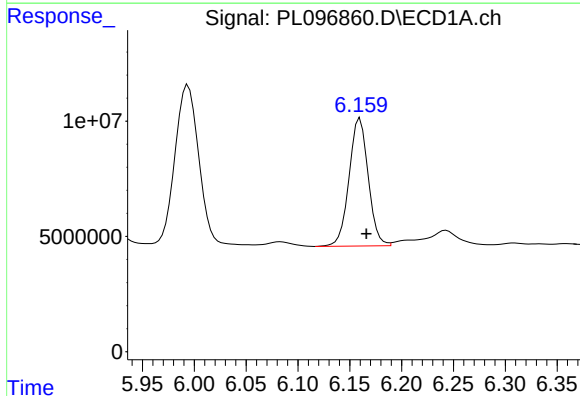
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



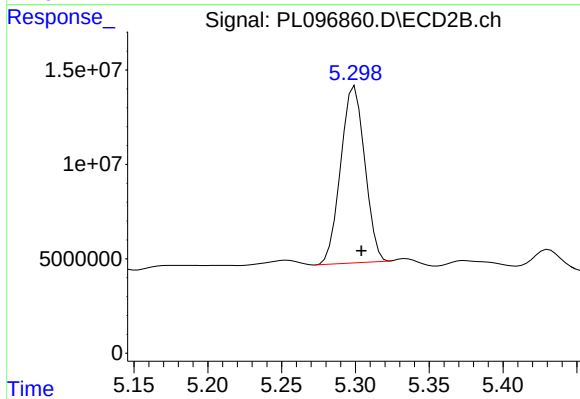
#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 88689315
Conc: 15.03 ng/ml



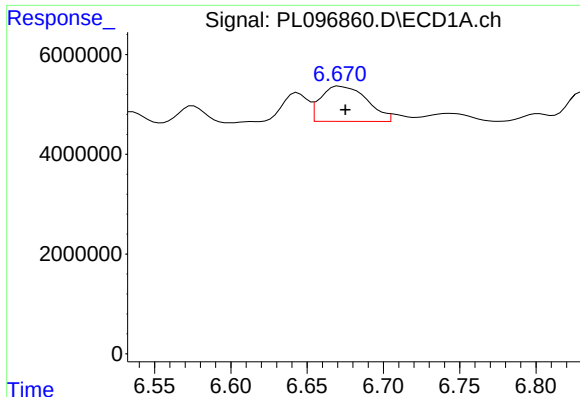
#12 4,4'-DDE

R.T.: 6.160 min
Delta R.T.: -0.006 min
Response: 71199777
Conc: 22.17 ng/ml



#12 4,4'-DDE

R.T.: 5.300 min
Delta R.T.: -0.004 min
Response: 106169392
Conc: 19.25 ng/ml



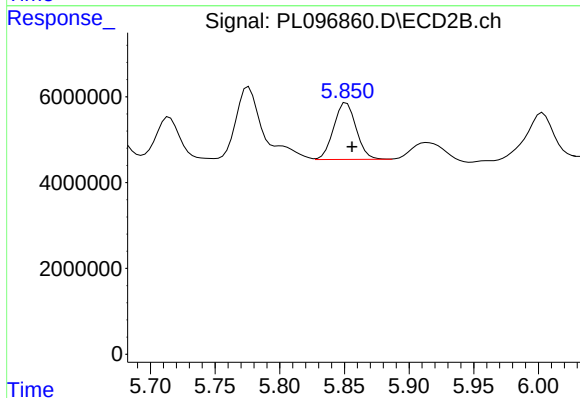
#16 4,4'-DDD

R.T.: 6.670 min
Delta R.T.: -0.005 min
Response: 14565589
Conc: 5.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

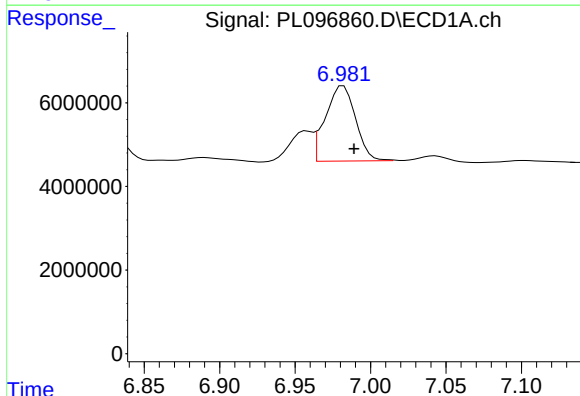
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



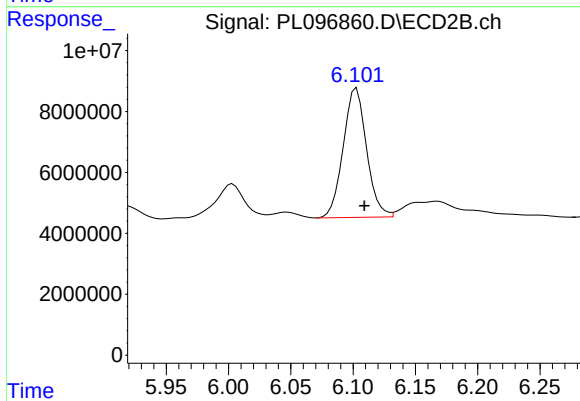
#16 4,4'-DDD

R.T.: 5.850 min
Delta R.T.: -0.006 min
Response: 15891534
Conc: 3.38 ng/ml m



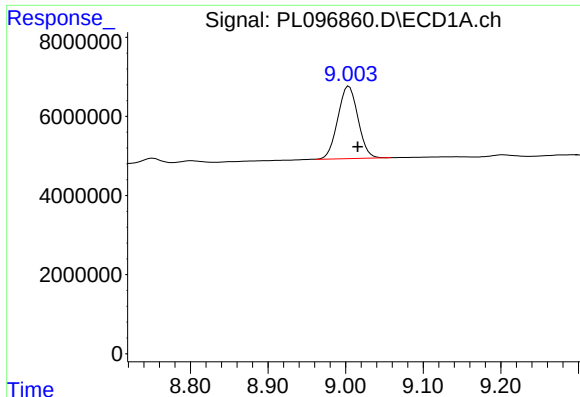
#17 4,4'-DDT

R.T.: 6.981 min
Delta R.T.: -0.009 min
Response: 24417852
Conc: 8.51 ng/ml m



#17 4,4'-DDT

R.T.: 6.103 min
Delta R.T.: -0.006 min
Response: 55553677
Conc: 10.98 ng/ml



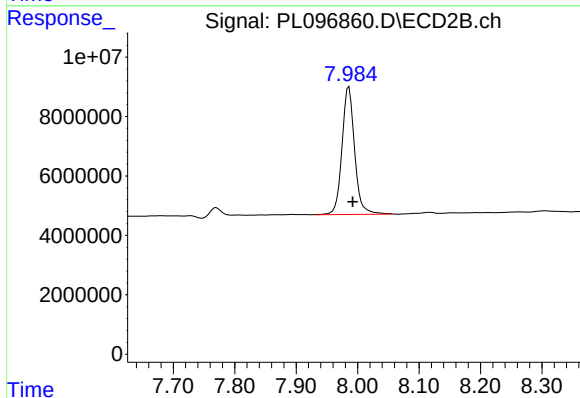
#28 Decachlorobiphenyl

R.T.: 9.003 min
Delta R.T.: -0.013 min
Response: 33145520
Conc: 13.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



#28 Decachlorobiphenyl

R.T.: 7.984 min
Delta R.T.: -0.008 min
Response: 61158015
Conc: 14.10 ng/ml m

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP04-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.1 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
PL096861.D	1	08/18/25 08:06	08/18/25 17:52	PB169283

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00038	U	0.00015	0.00038	0.0019	mg/Kg
319-85-7	beta-BHC	0.00095	U	0.00021	0.00095	0.0019	mg/Kg
319-86-8	delta-BHC	0.00095	U	0.00045	0.00095	0.0019	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00038	U	0.00016	0.00038	0.0019	mg/Kg
76-44-8	Heptachlor	0.00038	U	0.00014	0.00038	0.0019	mg/Kg
309-00-2	Aldrin	0.00038	U	0.00014	0.00038	0.0019	mg/Kg
1024-57-3	Heptachlor epoxide	0.00095	U	0.00022	0.00095	0.0019	mg/Kg
959-98-8	Endosulfan I	0.00038	U	0.00016	0.00038	0.0019	mg/Kg
60-57-1	Dieldrin	0.00038	U	0.00016	0.00038	0.0019	mg/Kg
72-55-9	4,4-DDE	0.0080		0.00016	0.00038	0.0019	mg/Kg
72-20-8	Endrin	0.00038	U	0.00016	0.00038	0.0019	mg/Kg
33213-65-9	Endosulfan II	0.00095	U	0.00033	0.00095	0.0019	mg/Kg
72-54-8	4,4-DDD	0.0017	JP	0.00017	0.00038	0.0019	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00038	U	0.00015	0.00038	0.0019	mg/Kg
50-29-3	4,4-DDT	0.0033		0.00016	0.00038	0.0019	mg/Kg
72-43-5	Methoxychlor	0.00095	U	0.00042	0.00095	0.0019	mg/Kg
53494-70-5	Endrin ketone	0.00095	U	0.00022	0.00095	0.0019	mg/Kg
7421-93-4	Endrin aldehyde	0.00095	U	0.00042	0.00095	0.0019	mg/Kg
5103-71-9	alpha-Chlordane	0.012	P	0.00014	0.00038	0.0019	mg/Kg
5103-74-2	gamma-Chlordane	0.0065	P	0.00017	0.00038	0.0019	mg/Kg
8001-35-2	Toxaphene	0.020	U	0.0062	0.020	0.038	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	12.3		55 - 130		62%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.1		42 - 129		65%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	08/14/25	
Project:	Raymark Superfund Site		Date Received:	08/15/25	
Client Sample ID:	OU4-TS-GRILLO-TSCP04-081425		SDG No.:	Q2879	
Lab Sample ID:	Q2879-03		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	87.1	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
PL096861.D	1	08/18/25 08:06	08/18/25 17:52	PB169283

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\PL081825\
 Data File : PL096861.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 17:52
 Operator : AR\AJ
 Sample : Q2879-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-TS-GRILLO-TSCP04-081425

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/19/2025
 Supervised By : mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:01:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.826	41554457	57151032	13.064	11.962
28)	SA Decachlor...	9.002	7.985	29412999	52084682	12.334m	12.006m
Target Compounds							
10)	B gamma-Chl...	5.910	5.046	64331286	51252644	16.906	8.716m#
11)	B alpha-Chl...	5.994	5.110	125.2E6	98626205	32.484	16.719 #
12)	B 4,4'-DDE	6.160	5.299	67408401	99374175	20.991	18.021
16)	A 4,4'-DDD	6.669	5.850	11176992	12768982	4.421m	2.714m#
17)	MA 4,4'-DDT	6.980	6.103	20644488	44007975	7.199m	8.700

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096861.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 17:52
Operator : AR\AJ
Sample : Q2879-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

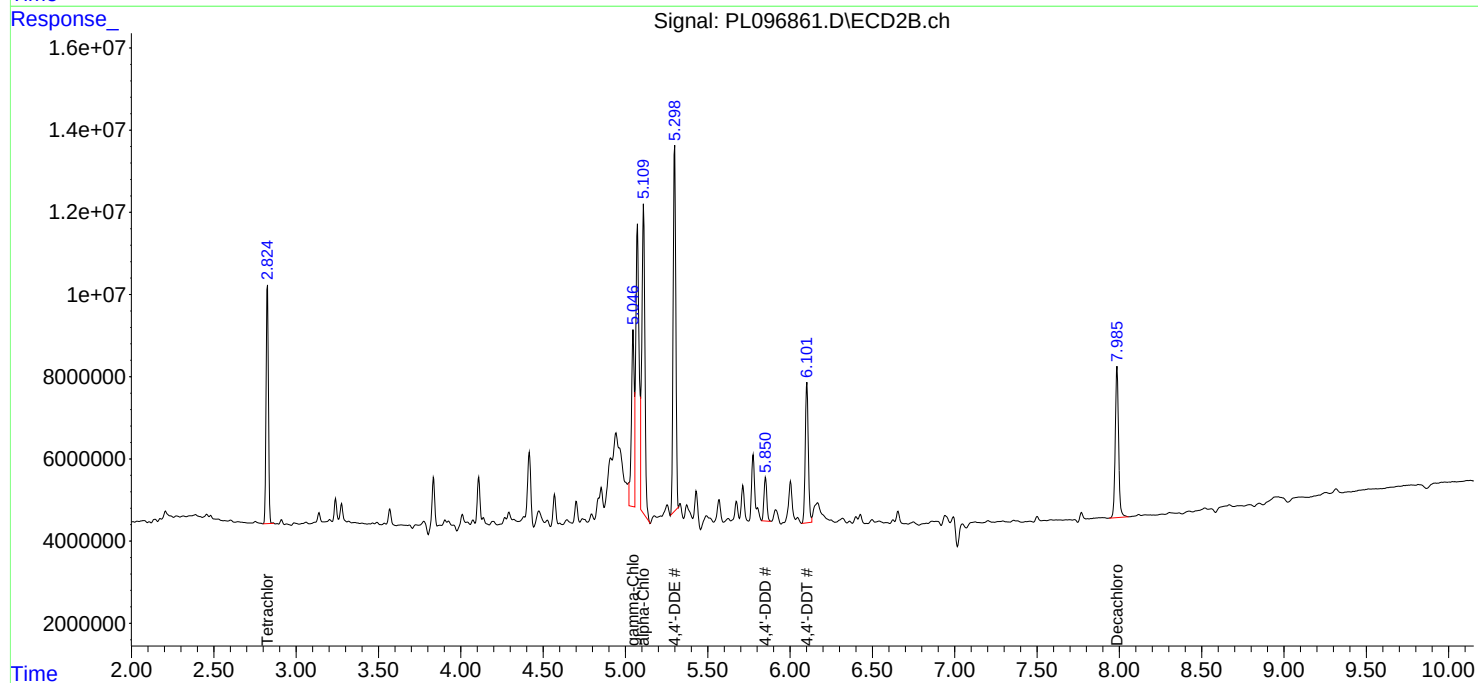
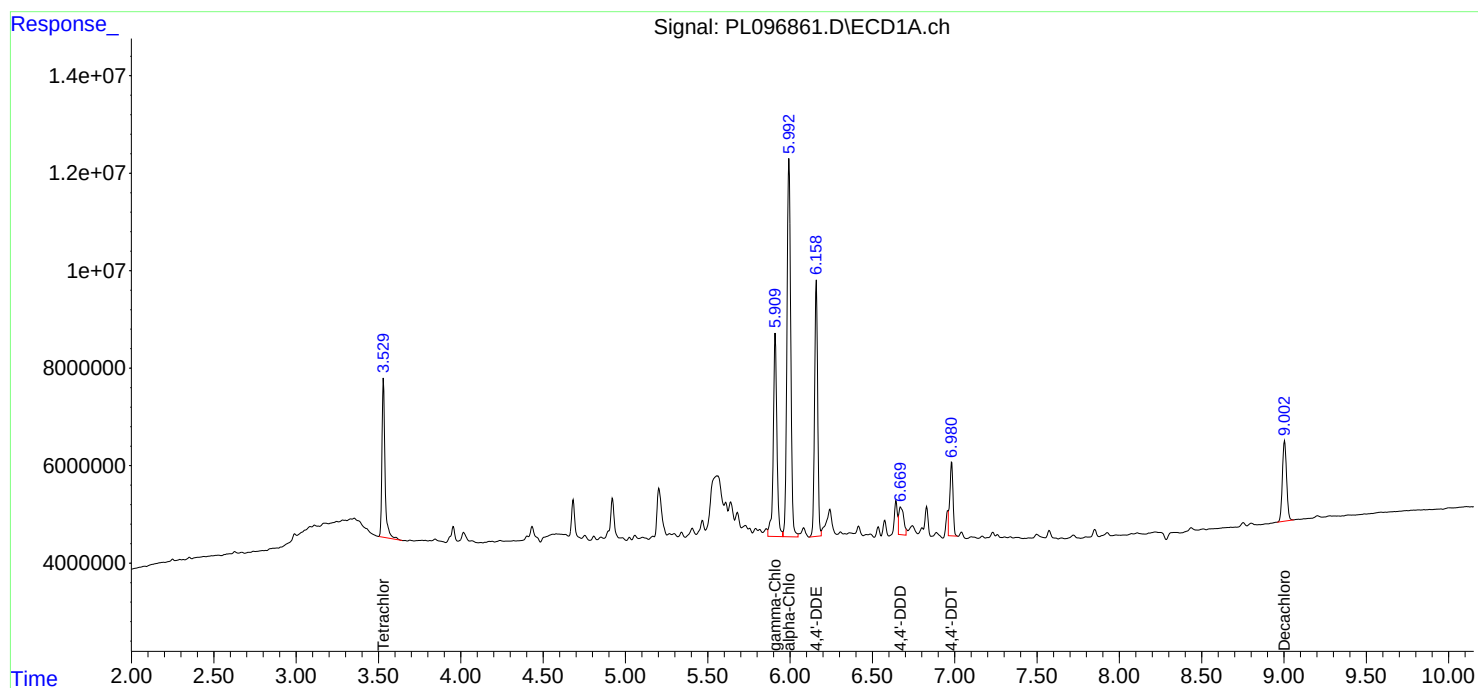
Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Manual Integrations
APPROVED

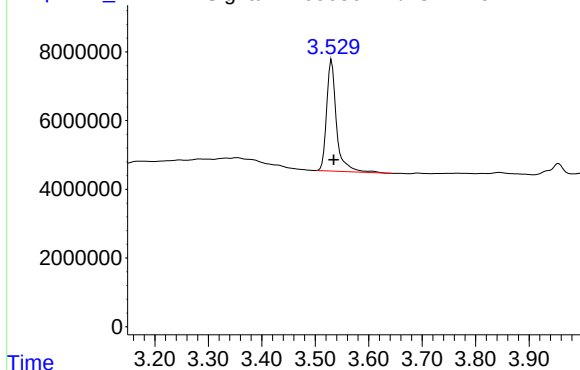
Reviewed By : Abdul Mirza 08/19/2025
Supervised By : mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 06:01:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PL096861.D\ECD1A.ch



#1 Tetrachloro-m-xylene

R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 41554457
Conc: 13.06 ng/ml

Instrument :

ECD_L

ClientSampleId :

OU4-TS-GRILLO-TSCP04-081425

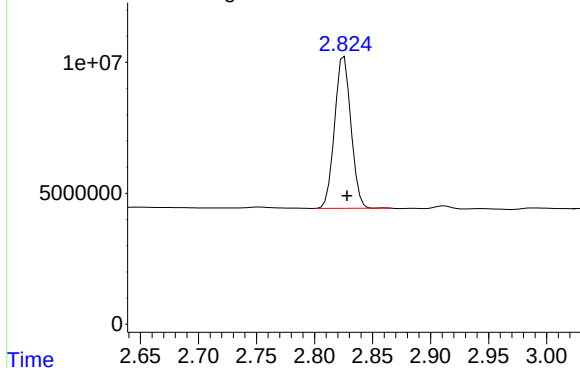
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 08/19/2025

Supervised By :mohammad ahmed 08/20/2025

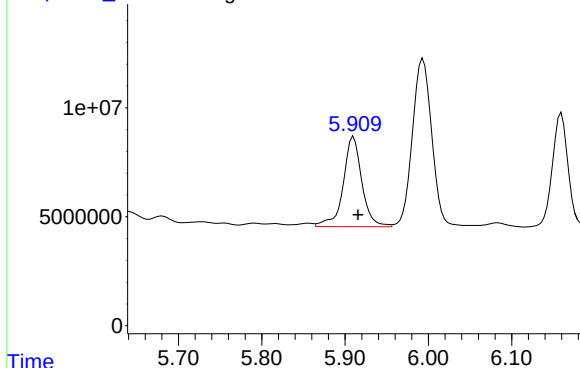
Response_ Signal: PL096861.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 57151032
Conc: 11.96 ng/ml

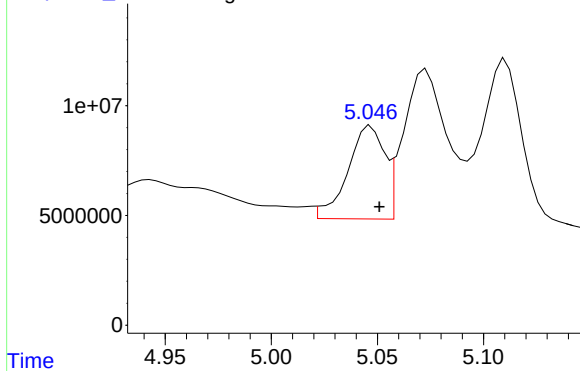
Response_ Signal: PL096861.D\ECD1A.ch



#10 gamma-Chlordane

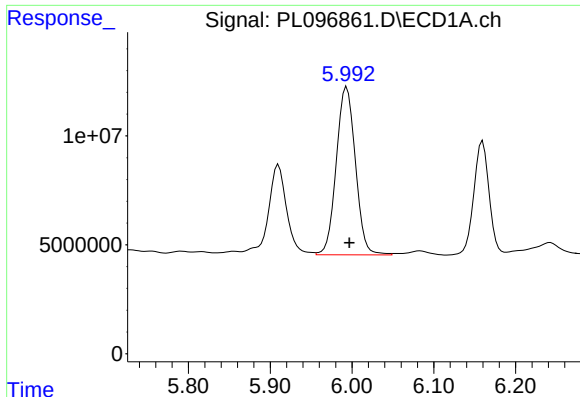
R.T.: 5.910 min
Delta R.T.: -0.006 min
Response: 64331286
Conc: 16.91 ng/ml

Response_ Signal: PL096861.D\ECD2B.ch



#10 gamma-Chlordane

R.T.: 5.046 min
Delta R.T.: -0.005 min
Response: 51252644
Conc: 8.72 ng/ml m



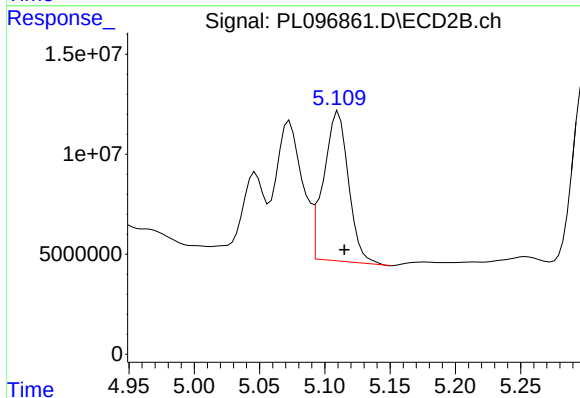
#11 alpha-Chlordane

R.T.: 5.994 min
Delta R.T.: -0.003 min
Response: 125215441
Conc: 32.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

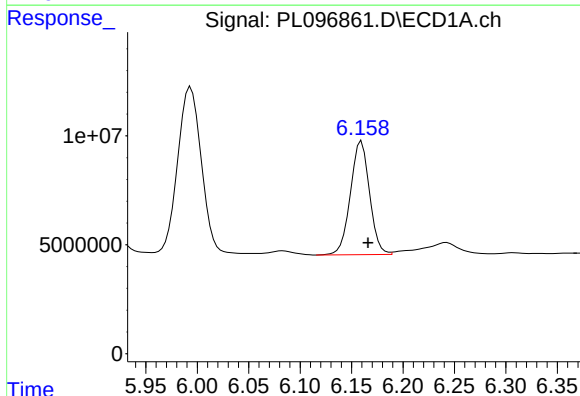
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



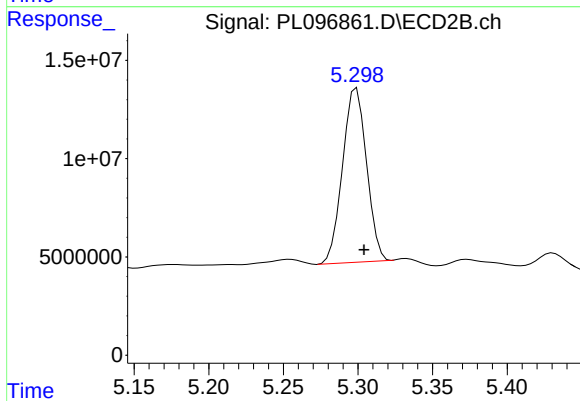
#11 alpha-Chlordane

R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 98626205
Conc: 16.72 ng/ml



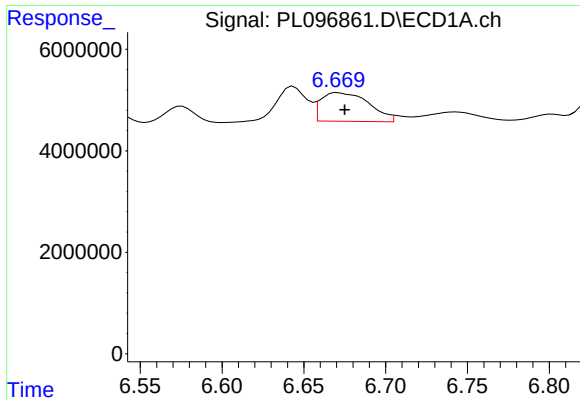
#12 4,4'-DDE

R.T.: 6.160 min
Delta R.T.: -0.006 min
Response: 67408401
Conc: 20.99 ng/ml



#12 4,4'-DDE

R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 99374175
Conc: 18.02 ng/ml



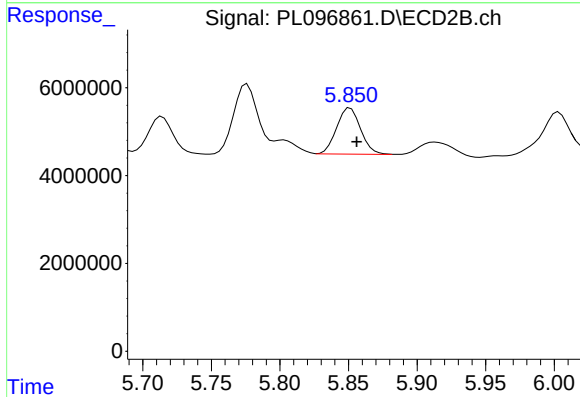
#16 4,4'-DDD

R.T.: 6.669 min
Delta R.T.: -0.006 min
Response: 11176992
Conc: 4.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

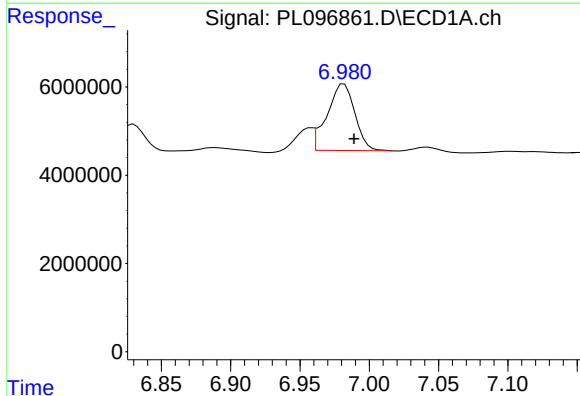
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



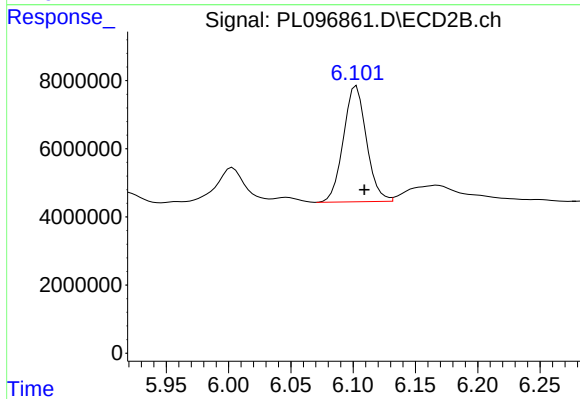
#16 4,4'-DDD

R.T.: 5.850 min
Delta R.T.: -0.006 min
Response: 12768982
Conc: 2.71 ng/ml m



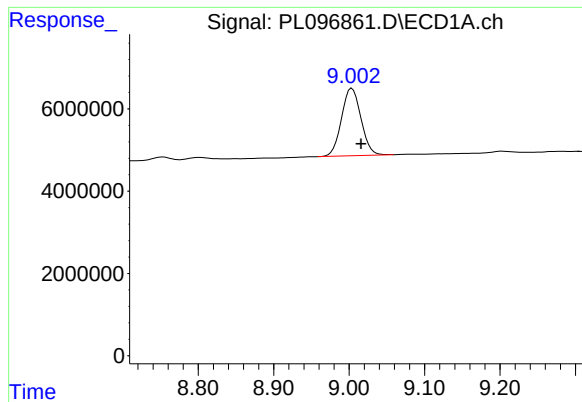
#17 4,4'-DDT

R.T.: 6.980 min
Delta R.T.: -0.009 min
Response: 20644488
Conc: 7.20 ng/ml m



#17 4,4'-DDT

R.T.: 6.103 min
Delta R.T.: -0.006 min
Response: 44007975
Conc: 8.70 ng/ml



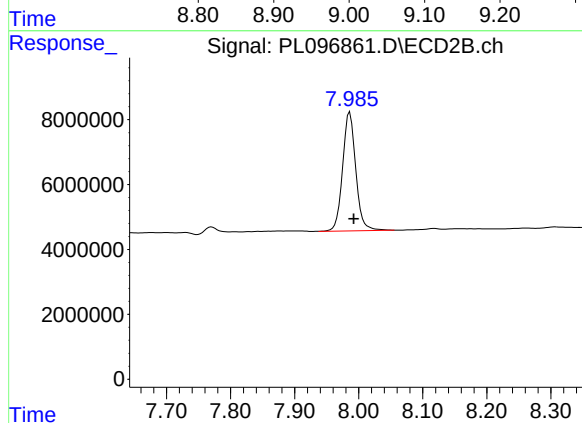
#28 Decachlorobiphenyl

R.T.: 9.002 min
Delta R.T.: -0.013 min
Response: 29412999
Conc: 12.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



#28 Decachlorobiphenyl

R.T.: 7.985 min
Delta R.T.: -0.007 min
Response: 52084682
Conc: 12.01 ng/ml m

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP05-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	93.1 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096862.D	1	08/18/25 08:06	08/18/25 18:06	PB169283

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00035	U	0.00014	0.00035	0.0018	mg/Kg
319-85-7	beta-BHC	0.00089	U	0.00019	0.00089	0.0018	mg/Kg
319-86-8	delta-BHC	0.00089	U	0.00042	0.00089	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
76-44-8	Heptachlor	0.00035	U	0.00013	0.00035	0.0018	mg/Kg
309-00-2	Aldrin	0.00035	U	0.00013	0.00035	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00089	U	0.00020	0.00089	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
60-57-1	Dieldrin	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
72-55-9	4,4-DDE	0.0069		0.00015	0.00035	0.0018	mg/Kg
72-20-8	Endrin	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00089	U	0.00031	0.00089	0.0018	mg/Kg
72-54-8	4,4-DDD	0.0017	JP	0.00016	0.00035	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00035	U	0.00014	0.00035	0.0018	mg/Kg
50-29-3	4,4-DDT	0.0029		0.00015	0.00035	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00089	U	0.00040	0.00089	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00089	U	0.00020	0.00089	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00089	U	0.00040	0.00089	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.0093	P	0.00013	0.00035	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.0052	P	0.00016	0.00035	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0058	0.018	0.035	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	12.0		55 - 130		60%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.1		42 - 129		65%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	08/14/25	
Project:	Raymark Superfund Site		Date Received:	08/15/25	
Client Sample ID:	OU4-TS-GRILLO-TSCP05-081425		SDG No.:	Q2879	
Lab Sample ID:	Q2879-05		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	93.1	Decanted:
Sample Wt/Vol:	30.07	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096862.D	1	08/18/25 08:06	08/18/25 18:06	PB169283

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\PL081825\
 Data File : PL096862.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 18:06
 Operator : AR\AJ
 Sample : Q2879-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-TS-GRILLO-TSCP05-081425

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/19/2025
 Supervised By : mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:01:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.826	41545199	57840532	13.061	12.106
28) SA Decachlor...	9.003	7.985	28520868	50486189	11.960m	11.637m
Target Compounds						
10) B gamma-Chl...	5.910	5.046	55214734	43793351	14.510	7.448m#
11) B alpha-Chl...	5.994	5.111	100.6E6	77865266	26.087	13.200 #
12) B 4,4'-DDE	6.159	5.299	62001399	91319554	19.308	16.560
16) A 4,4'-DDD	6.669	5.850	12107412	12804044	4.789m	2.721m#
17) MA 4,4'-DDT	6.980	6.103	18363103	41425685	6.403m	8.190 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096862.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 18:06
Operator : AR\AJ
Sample : Q2879-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

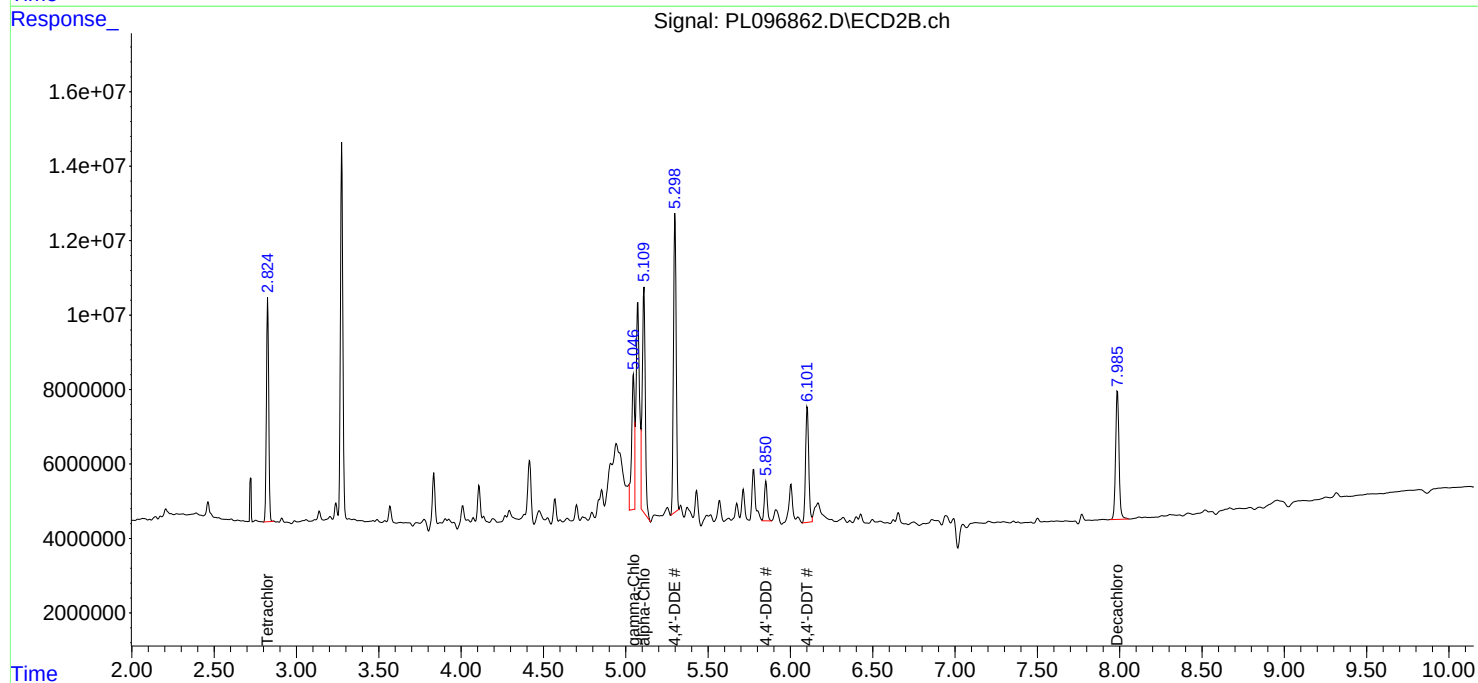
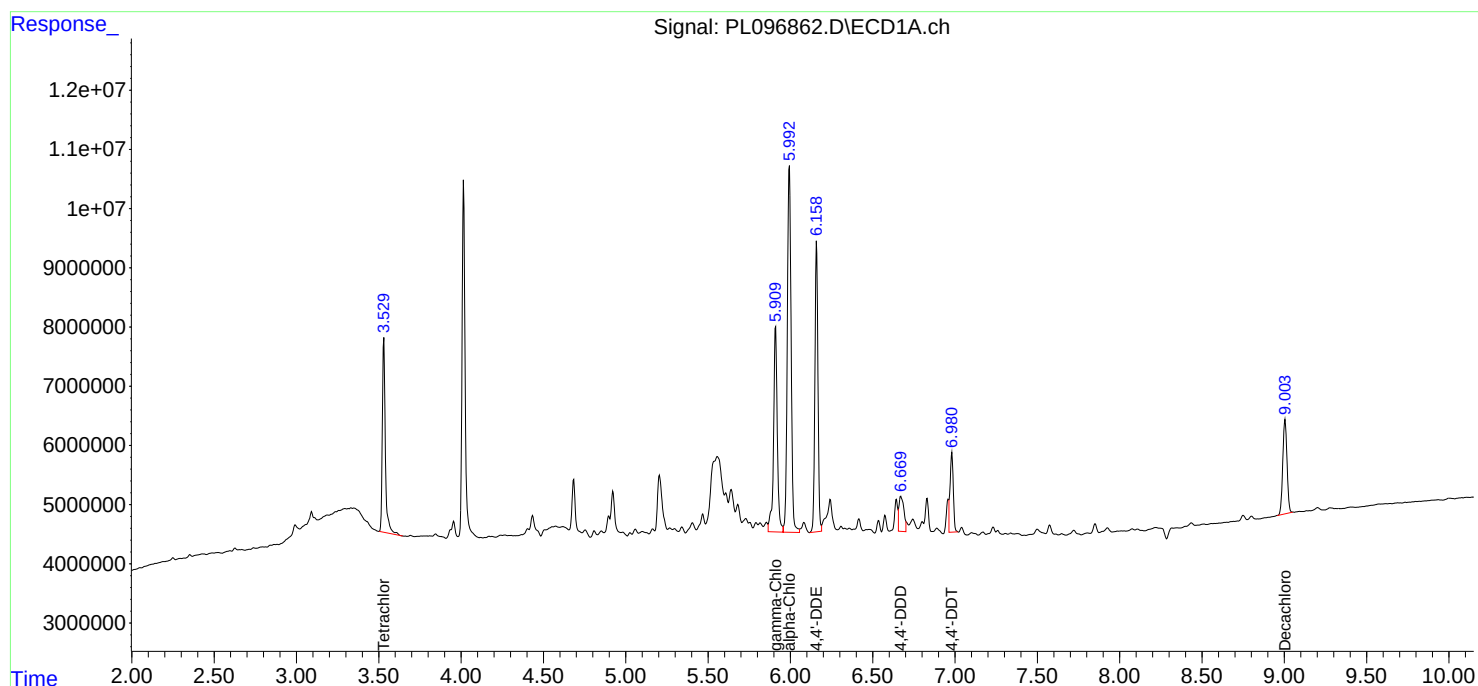
Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

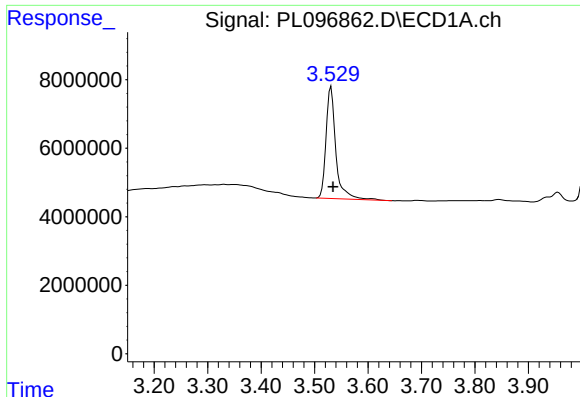
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 06:01:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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





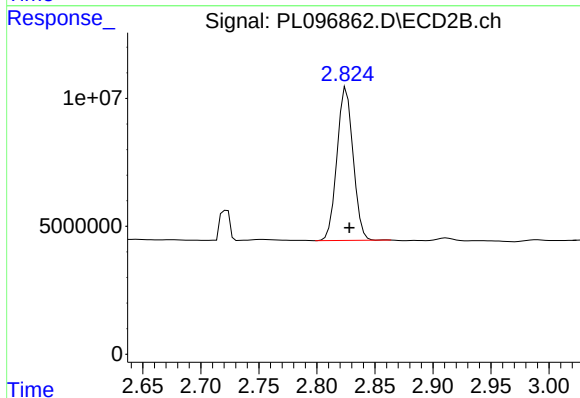
#1 Tetrachloro-m-xylene

R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 41545199
Conc: 13.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

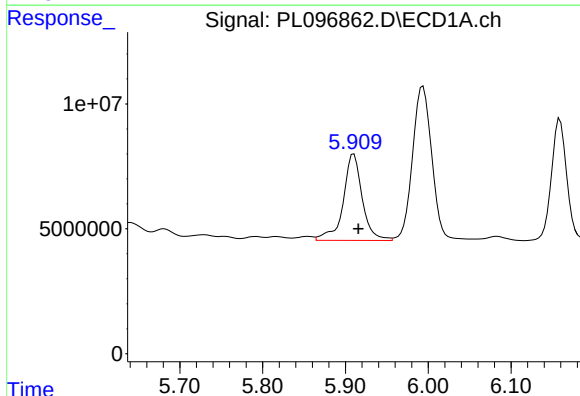
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



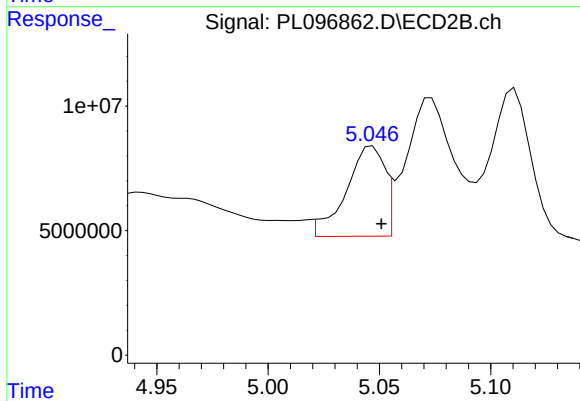
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 57840532
Conc: 12.11 ng/ml



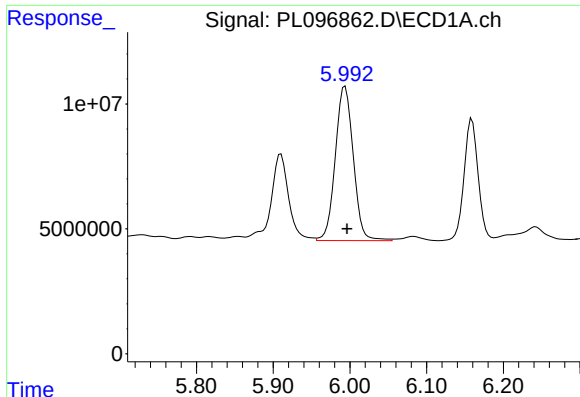
#10 gamma-Chlordane

R.T.: 5.910 min
Delta R.T.: -0.006 min
Response: 55214734
Conc: 14.51 ng/ml



#10 gamma-Chlordane

R.T.: 5.046 min
Delta R.T.: -0.005 min
Response: 43793351
Conc: 7.45 ng/ml m



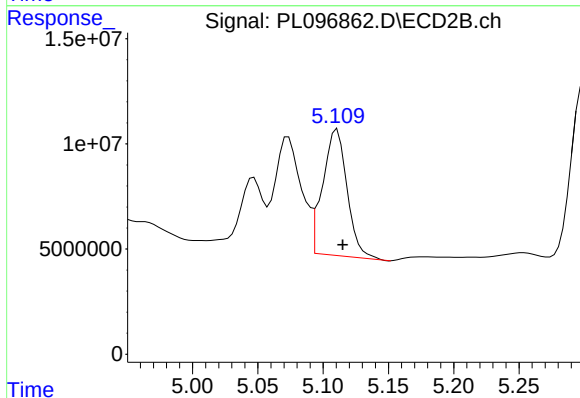
#11 alpha-Chlordane

R.T.: 5.994 min
Delta R.T.: -0.003 min
Response: 100554265
Conc: 26.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

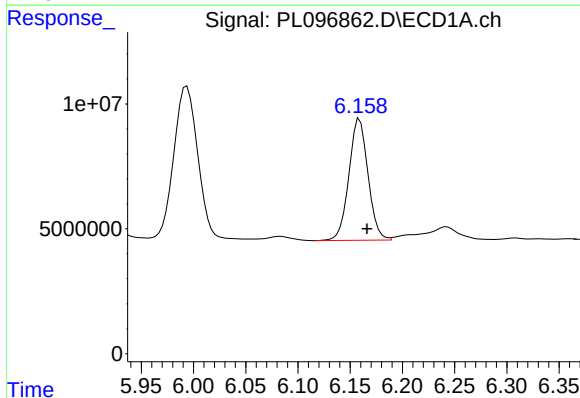
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



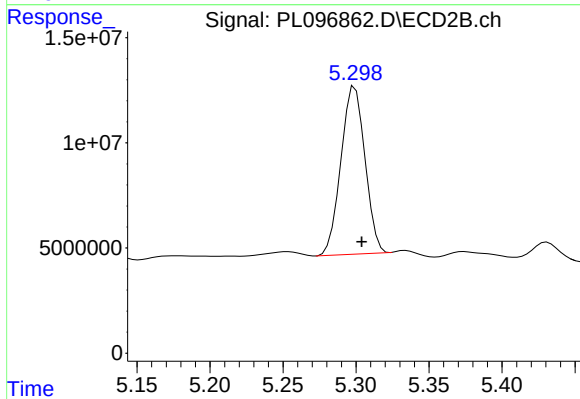
#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 77865266
Conc: 13.20 ng/ml



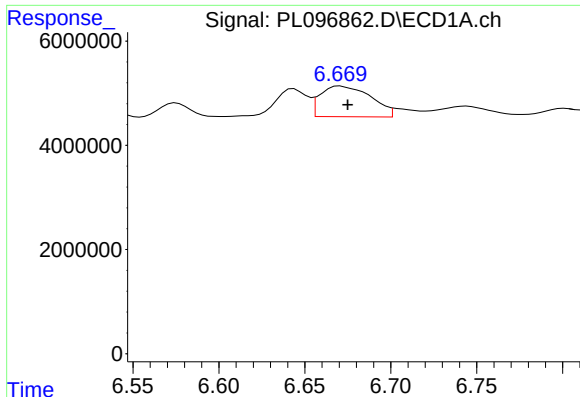
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 62001399
Conc: 19.31 ng/ml



#12 4,4'-DDE

R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 91319554
Conc: 16.56 ng/ml



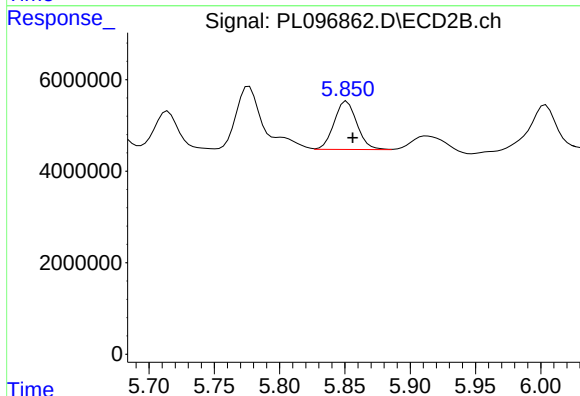
#16 4,4'-DDD

R.T.: 6.669 min
Delta R.T.: -0.006 min
Response: 12107412
Conc: 4.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

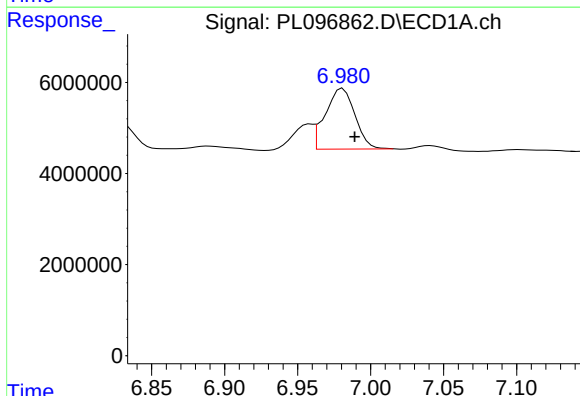
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



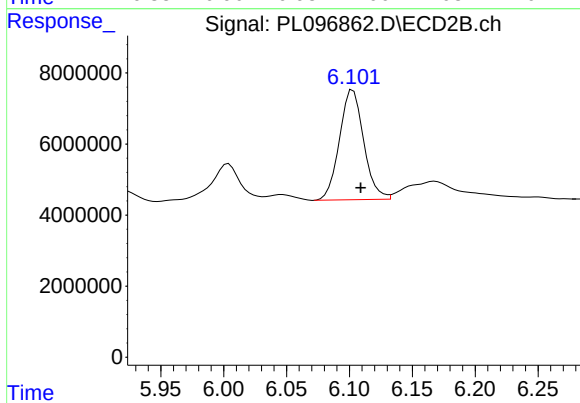
#16 4,4'-DDD

R.T.: 5.850 min
Delta R.T.: -0.006 min
Response: 12804044
Conc: 2.72 ng/ml m



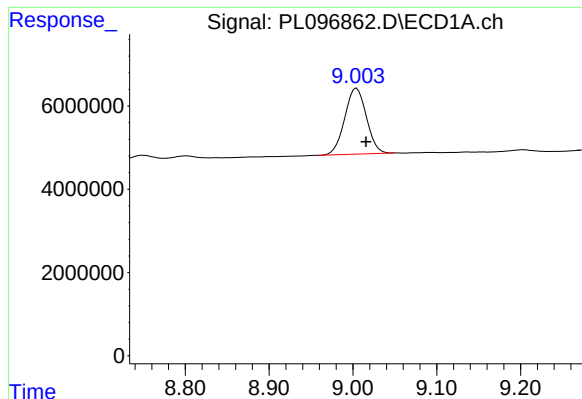
#17 4,4'-DDT

R.T.: 6.980 min
Delta R.T.: -0.010 min
Response: 18363103
Conc: 6.40 ng/ml m



#17 4,4'-DDT

R.T.: 6.103 min
Delta R.T.: -0.006 min
Response: 41425685
Conc: 8.19 ng/ml



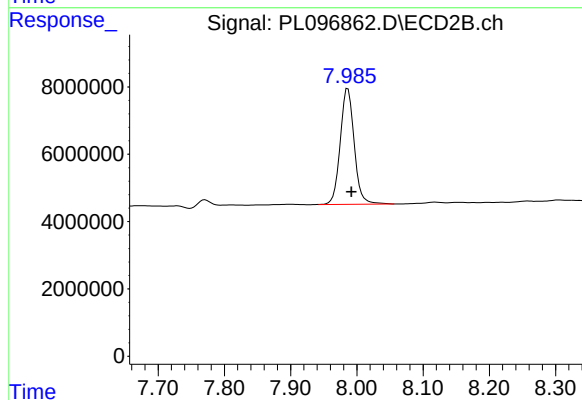
#28 Decachlorobiphenyl

R.T.: 9.003 min
Delta R.T.: -0.013 min
Response: 28520868
Conc: 11.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



#28 Decachlorobiphenyl

R.T.: 7.985 min
Delta R.T.: -0.007 min
Response: 50486189
Conc: 11.64 ng/ml m

Report of Analysis

Client:	Nobis Group		Date Collected:	08/14/25	
Project:	Raymark Superfund Site		Date Received:	08/15/25	
Client Sample ID:	OU4-TS-GRILLO-TSCP06-081425		SDG No.:	Q2879	
Lab Sample ID:	Q2879-07		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	90.8	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
PL096863.D	1	08/18/25 08:06	08/18/25 18:19	PB169283

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00036	U	0.00014	0.00036	0.0019	mg/Kg
319-85-7	beta-BHC	0.00091	U	0.00020	0.00091	0.0019	mg/Kg
319-86-8	delta-BHC	0.00091	U	0.00043	0.00091	0.0019	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
76-44-8	Heptachlor	0.00036	U	0.00013	0.00036	0.0019	mg/Kg
309-00-2	Aldrin	0.00036	U	0.00013	0.00036	0.0019	mg/Kg
1024-57-3	Heptachlor epoxide	0.00091	U	0.00021	0.00091	0.0019	mg/Kg
959-98-8	Endosulfan I	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
60-57-1	Dieldrin	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
72-55-9	4,4-DDE	0.0061		0.00015	0.00036	0.0019	mg/Kg
72-20-8	Endrin	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
33213-65-9	Endosulfan II	0.00091	U	0.00032	0.00091	0.0019	mg/Kg
72-54-8	4,4-DDD	0.0012	JP	0.00017	0.00036	0.0019	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00036	U	0.00014	0.00036	0.0019	mg/Kg
50-29-3	4,4-DDT	0.0022		0.00015	0.00036	0.0019	mg/Kg
72-43-5	Methoxychlor	0.00091	U	0.00041	0.00091	0.0019	mg/Kg
53494-70-5	Endrin ketone	0.00091	U	0.00021	0.00091	0.0019	mg/Kg
7421-93-4	Endrin aldehyde	0.00091	U	0.00041	0.00091	0.0019	mg/Kg
5103-71-9	alpha-Chlordane	0.0078	P	0.00013	0.00036	0.0019	mg/Kg
5103-74-2	gamma-Chlordane	0.0038	P	0.00017	0.00036	0.0019	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0060	0.019	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	11.1		55 - 130		55%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.0		42 - 129		60%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	08/14/25	
Project:	Raymark Superfund Site		Date Received:	08/15/25	
Client Sample ID:	OU4-TS-GRILLO-TSCP06-081425		SDG No.:	Q2879	
Lab Sample ID:	Q2879-07		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	90.8	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
PL096863.D	1	08/18/25 08:06	08/18/25 18:19	PB169283

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\PL081825\
 Data File : PL096863.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 18:19
 Operator : AR\AJ
 Sample : Q2879-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-TS-GRILLO-TSCP06-081425

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
 Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:01:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.826	38270986	52913686	12.032	11.075
28) SA Decachlor...	9.004	7.985	26370800	46392650	11.059	10.694m
Target Compounds						
10) B gamma-Chl...	5.908	5.045	38956882	33316648	10.238m	5.666m#
11) B alpha-Chl...	5.992	5.110	82461598	67998415	21.393m	11.527 #
12) B 4,4'-DDE	6.159	5.299	53422873	77181620	16.636	13.996
16) A 4,4'-DDD	6.670	5.850	8156950	10172842	3.226m	2.162m#
17) MA 4,4'-DDT	6.981	6.103	14853624	30612679	5.180	6.052

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096863.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 18:19
Operator : AR\AJ
Sample : Q2879-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

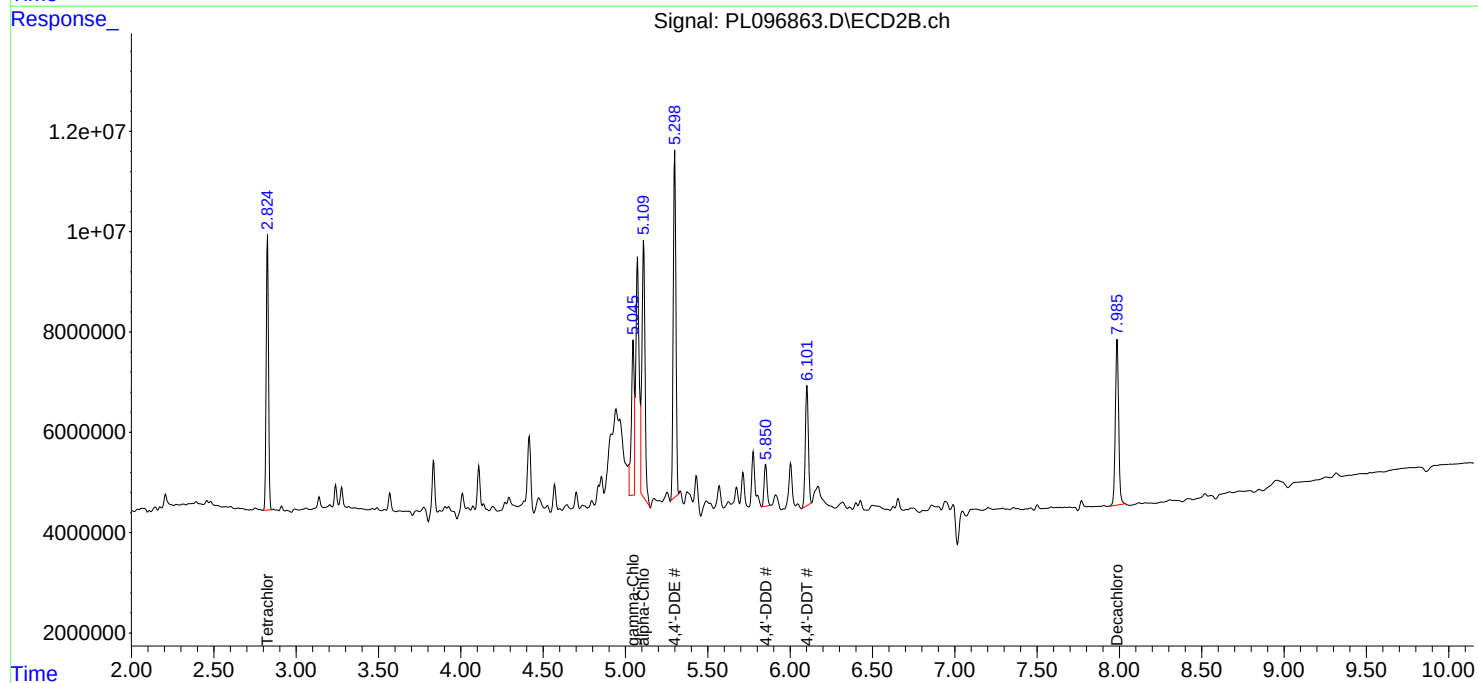
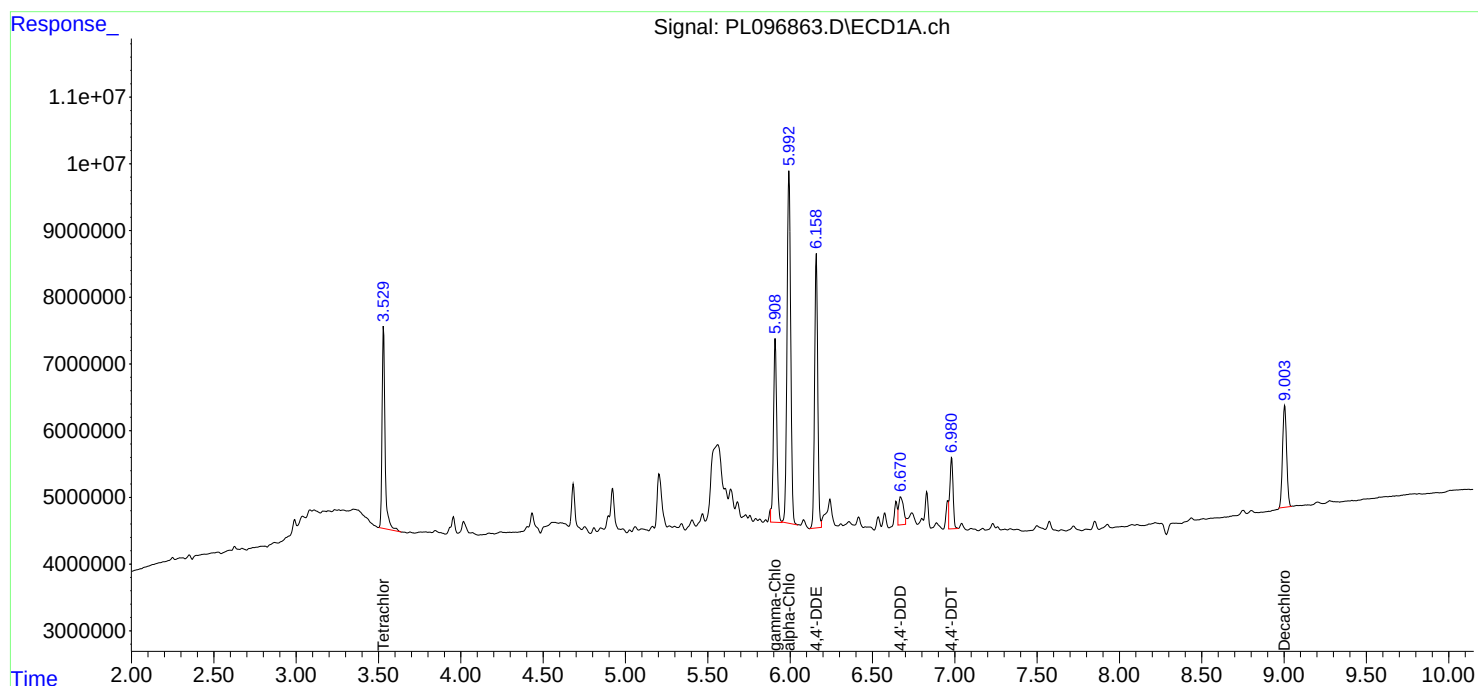
Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

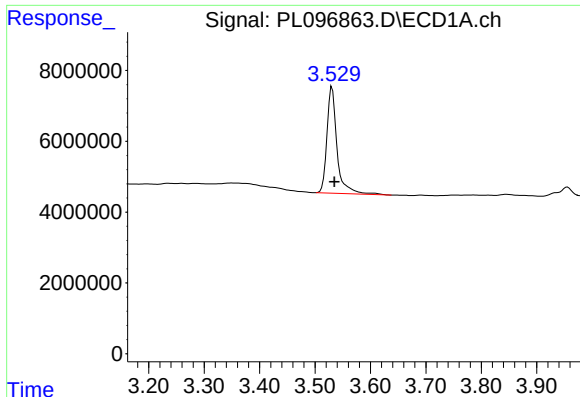
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 06:01:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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.: 3.531 min
Delta R.T.: -0.004 min
Response: 38270986
Conc: 12.03 ng/ml

Instrument :

ECD_L

ClientSampleId :

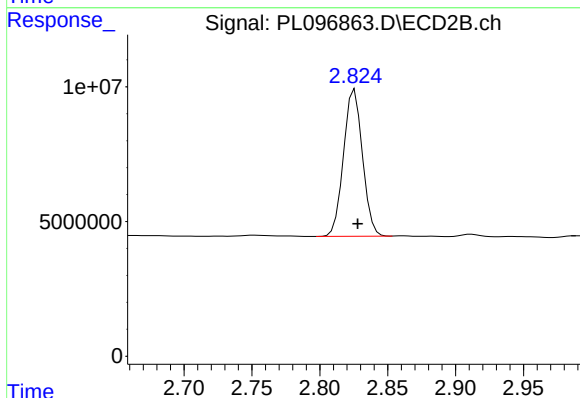
OU4-TS-GRILLO-TSCP06-081425

Manual Integrations

APPROVED

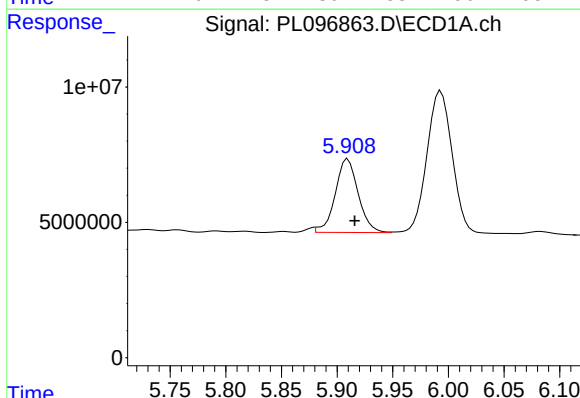
Reviewed By :Abdul Mirza 08/19/2025

Supervised By :mohammad ahmed 08/20/2025



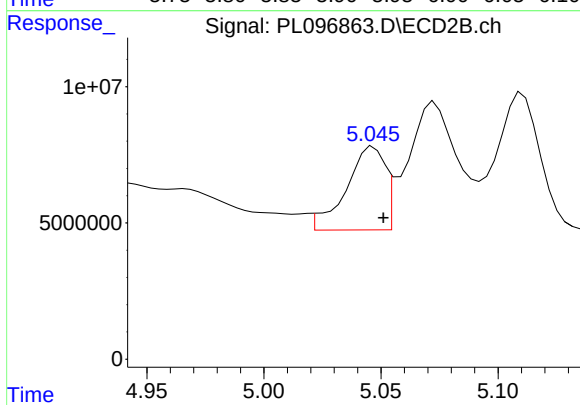
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 52913686
Conc: 11.07 ng/ml



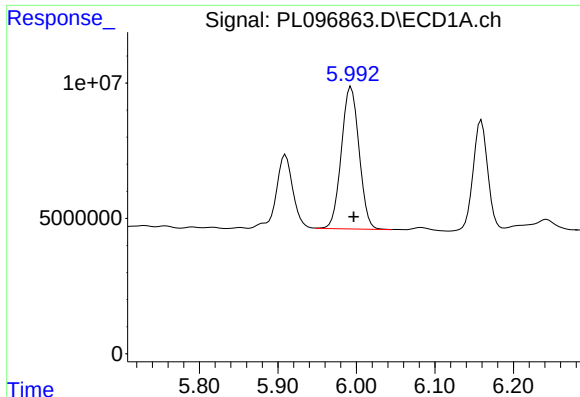
#10 gamma-Chlordane

R.T.: 5.908 min
Delta R.T.: -0.007 min
Response: 38956882
Conc: 10.24 ng/ml m



#10 gamma-Chlordane

R.T.: 5.045 min
Delta R.T.: -0.006 min
Response: 33316648
Conc: 5.67 ng/ml m



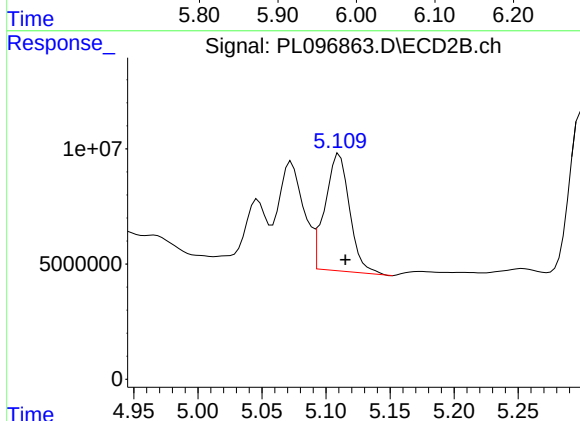
#11 alpha-Chlordane

R.T.: 5.992 min
Delta R.T.: -0.005 min
Response: 82461598
Conc: 21.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

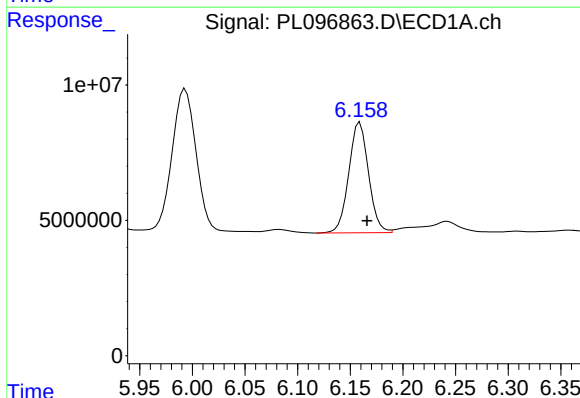
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



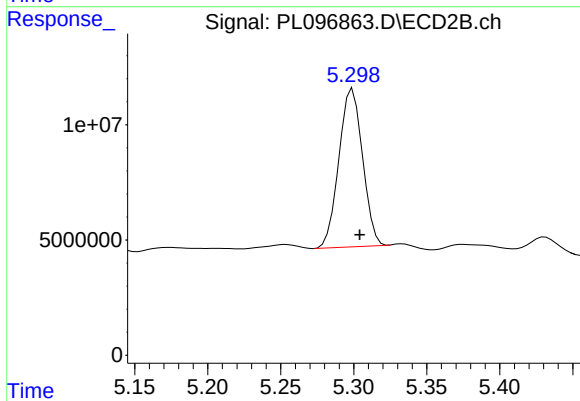
#11 alpha-Chlordane

R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 67998415
Conc: 11.53 ng/ml



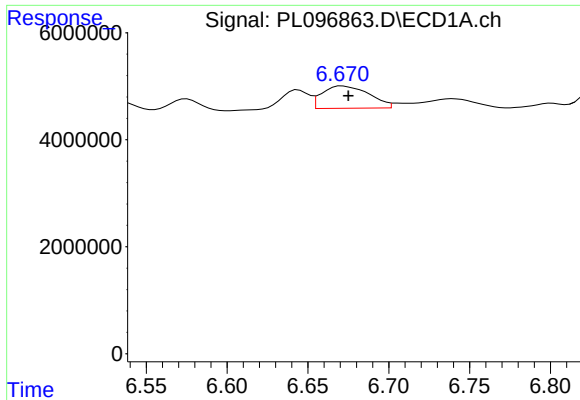
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 53422873
Conc: 16.64 ng/ml



#12 4,4'-DDE

R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 77181620
Conc: 14.00 ng/ml



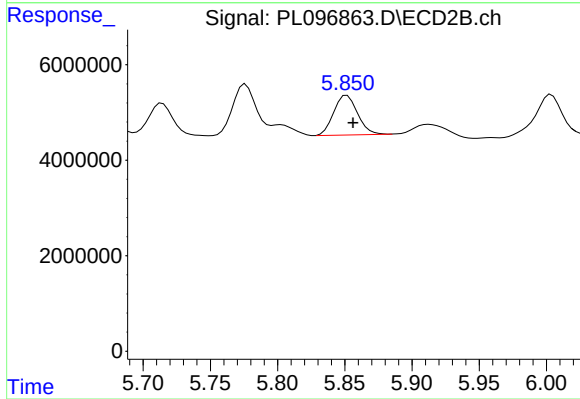
#16 4,4'-DDD

R.T.: 6.670 min
Delta R.T.: -0.005 min
Response: 8156950
Conc: 3.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

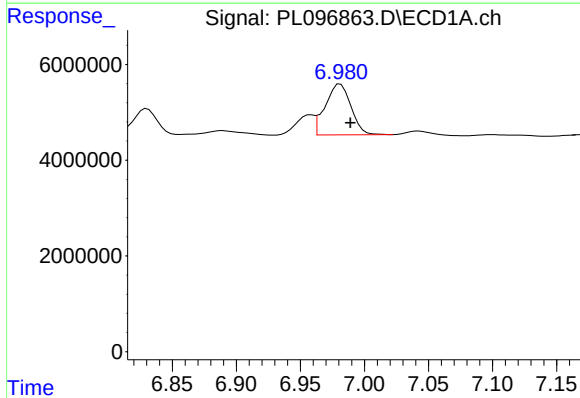
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



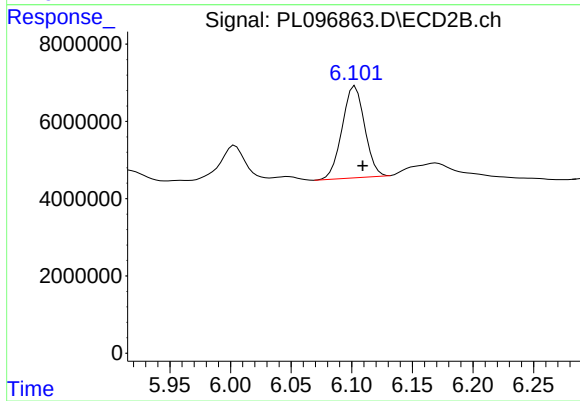
#16 4,4'-DDD

R.T.: 5.850 min
Delta R.T.: -0.006 min
Response: 10172842
Conc: 2.16 ng/ml m



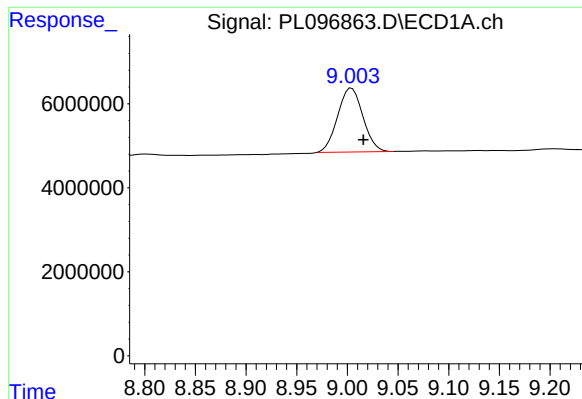
#17 4,4'-DDT

R.T.: 6.981 min
Delta R.T.: -0.008 min
Response: 14853624
Conc: 5.18 ng/ml



#17 4,4'-DDT

R.T.: 6.103 min
Delta R.T.: -0.006 min
Response: 30612679
Conc: 6.05 ng/ml



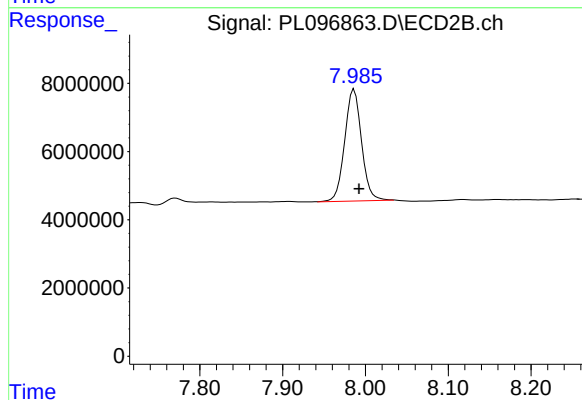
#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.011 min
Response: 26370800
Conc: 11.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



#28 Decachlorobiphenyl

R.T.: 7.985 min
Delta R.T.: -0.007 min
Response: 46392650
Conc: 10.69 ng/ml m

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP07-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	93.5
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096864.D	1	08/18/25 08:06	08/18/25 18:33	PB169283

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00035	U	0.00014	0.00035	0.0018	mg/Kg
319-85-7	beta-BHC	0.00089	U	0.00019	0.00089	0.0018	mg/Kg
319-86-8	delta-BHC	0.00089	U	0.00042	0.00089	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
76-44-8	Heptachlor	0.00035	U	0.00013	0.00035	0.0018	mg/Kg
309-00-2	Aldrin	0.00035	U	0.00013	0.00035	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00089	U	0.00020	0.00089	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
60-57-1	Dieldrin	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
72-55-9	4,4-DDE	0.0075		0.00015	0.00035	0.0018	mg/Kg
72-20-8	Endrin	0.00035	U	0.00015	0.00035	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00089	U	0.00031	0.00089	0.0018	mg/Kg
72-54-8	4,4-DDD	0.0023	P	0.00016	0.00035	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00035	U	0.00014	0.00035	0.0018	mg/Kg
50-29-3	4,4-DDT	0.0033		0.00015	0.00035	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00089	U	0.00039	0.00089	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00089	U	0.00020	0.00089	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00089	U	0.00039	0.00089	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.0085	P	0.00013	0.00035	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.0044	P	0.00016	0.00035	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0058	0.018	0.035	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	11.0		55 - 130		55%	SPK: 20
877-09-8	Tetrachloro-m-xylene	11.0		42 - 129		55%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	08/14/25	
Project:	Raymark Superfund Site		Date Received:	08/15/25	
Client Sample ID:	OU4-TS-GRILLO-TSCP07-081425		SDG No.:	Q2879	
Lab Sample ID:	Q2879-09		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	93.5	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096864.D	1	08/18/25 08:06	08/18/25 18:33	PB169283

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\PL081825\
 Data File : PL096864.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 18:33
 Operator : AR\AJ
 Sample : Q2879-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-TS-GRILLO-TSCP07-081425

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
 Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:01:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.826	34922262	49706179	10.979	10.404
28)	SA Decachlor...	9.003	7.984	26164006	46389979	10.972m	10.693m
Target Compounds							
10)	B gamma-Chl...	5.910	5.046	47215616	41041348	12.408	6.980m#
11)	B alpha-Chl...	5.994	5.110	92622648	74384626	24.029	12.610 #
12)	B 4,4'-DDE	6.160	5.299	68098462	101.0E6	21.206	18.320
16)	A 4,4'-DDD	6.667	5.850	16304705	17777574	6.449m	3.778m#
17)	MA 4,4'-DDT	6.981	6.103	22955260	47550547	8.005m	9.401

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096864.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 18:33
Operator : AR\AJ
Sample : Q2879-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

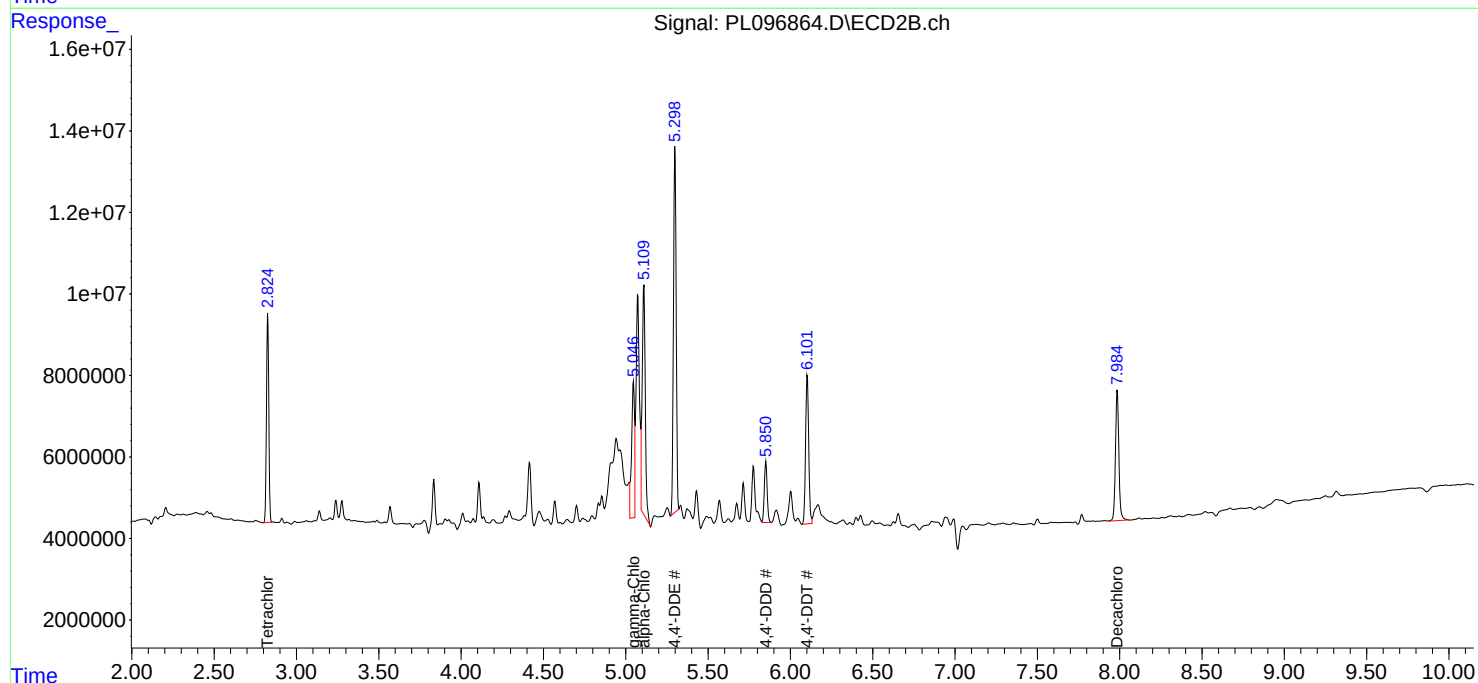
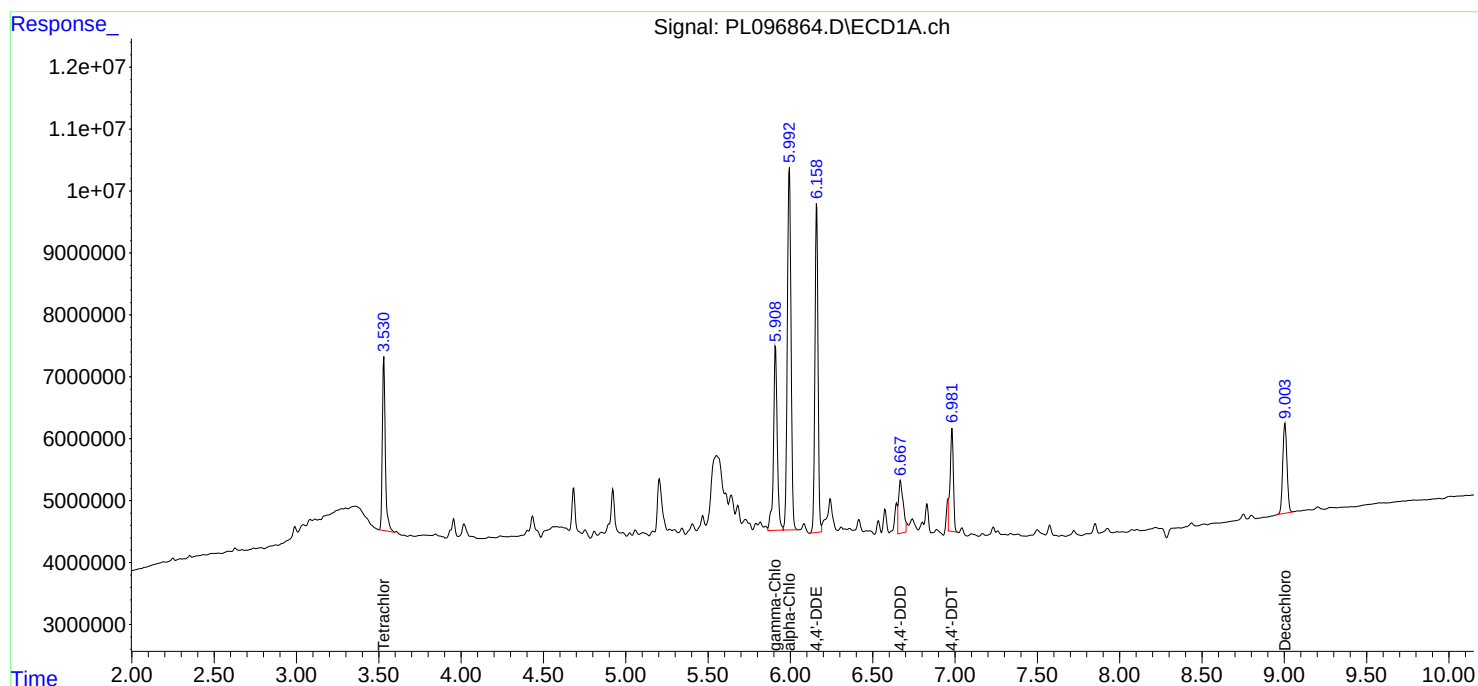
Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

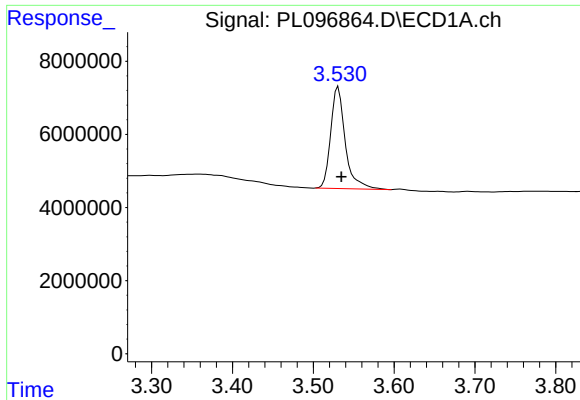
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 06:01:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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





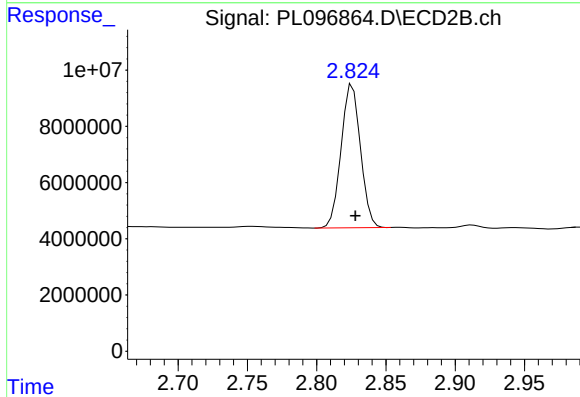
#1 Tetrachloro-m-xylene

R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 34922262
Conc: 10.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

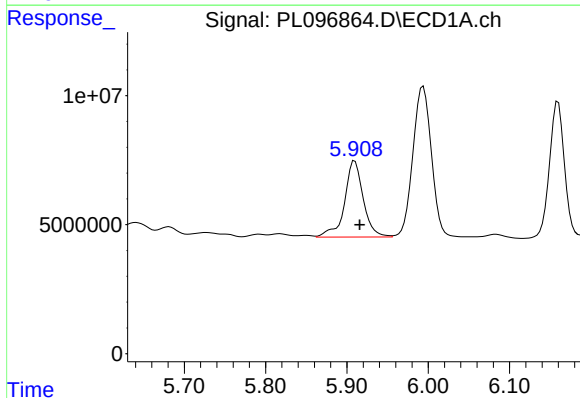
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



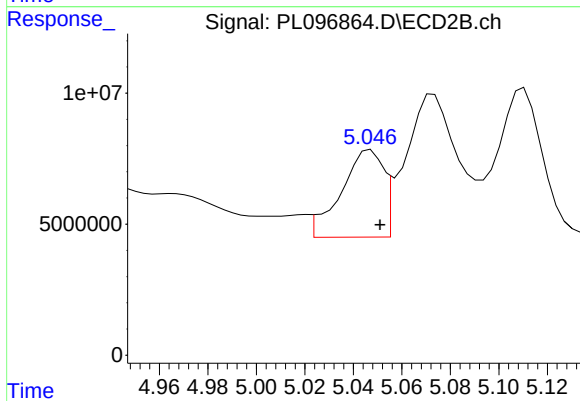
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 49706179
Conc: 10.40 ng/ml



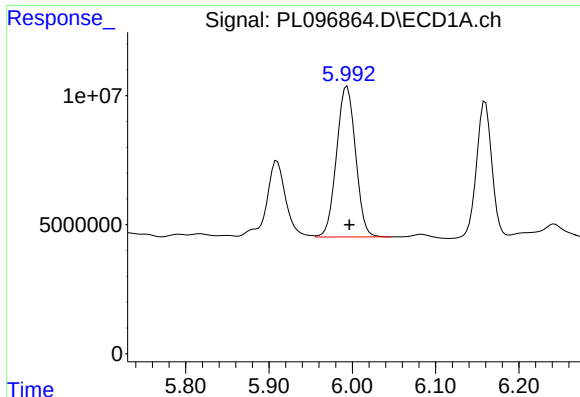
#10 gamma-Chlordane

R.T.: 5.910 min
Delta R.T.: -0.006 min
Response: 47215616
Conc: 12.41 ng/ml



#10 gamma-Chlordane

R.T.: 5.046 min
Delta R.T.: -0.005 min
Response: 41041348
Conc: 6.98 ng/ml m



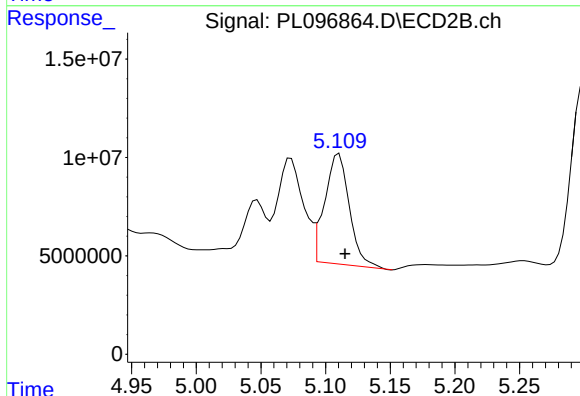
#11 alpha-Chlordane

R.T.: 5.994 min
Delta R.T.: -0.003 min
Response: 92622648
Conc: 24.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

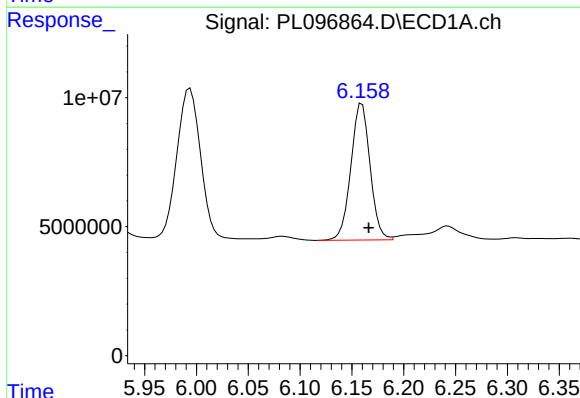
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



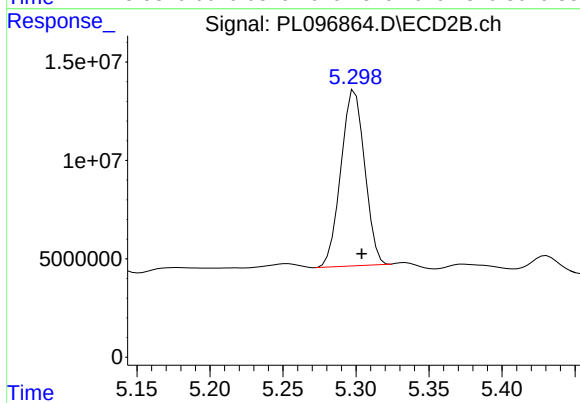
#11 alpha-Chlordane

R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 74384626
Conc: 12.61 ng/ml



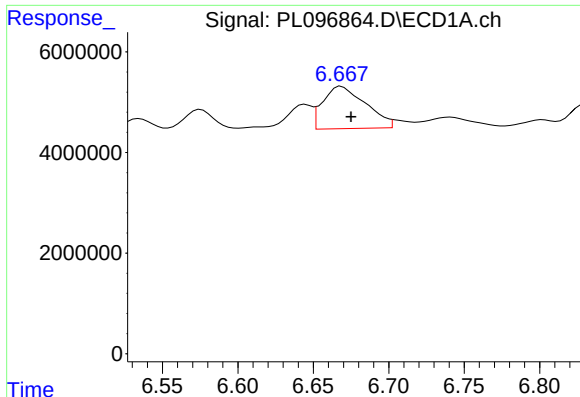
#12 4,4'-DDE

R.T.: 6.160 min
Delta R.T.: -0.006 min
Response: 68098462
Conc: 21.21 ng/ml



#12 4,4'-DDE

R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 101023430
Conc: 18.32 ng/ml



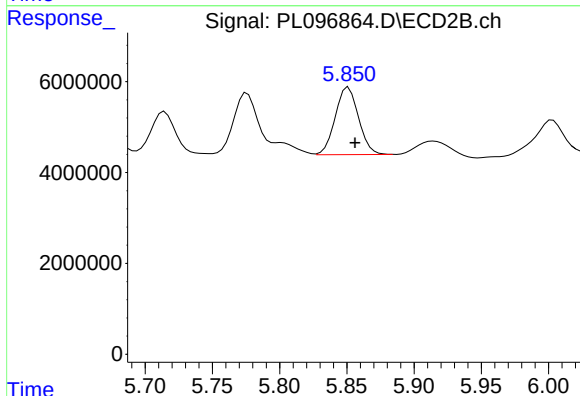
#16 4,4'-DDD

R.T.: 6.667 min
Delta R.T.: -0.008 min
Response: 16304705
Conc: 6.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

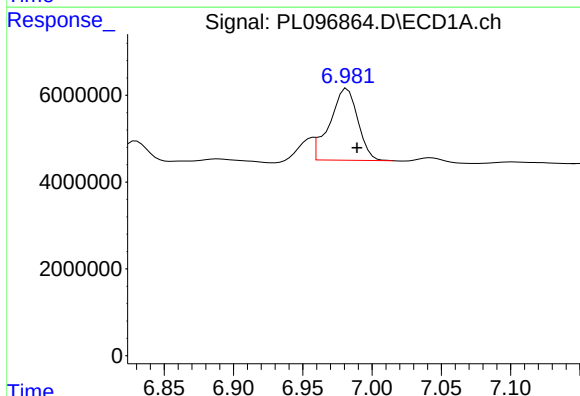
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



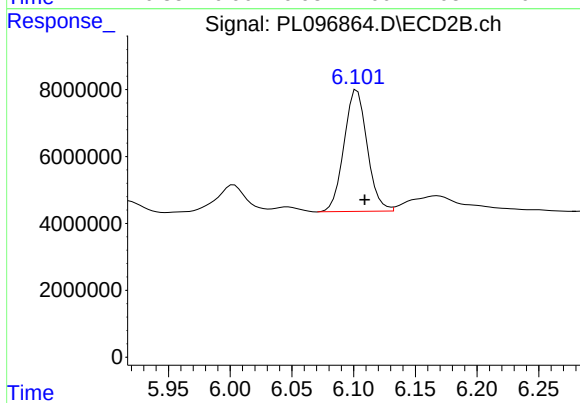
#16 4,4'-DDD

R.T.: 5.850 min
Delta R.T.: -0.006 min
Response: 17777574
Conc: 3.78 ng/ml m



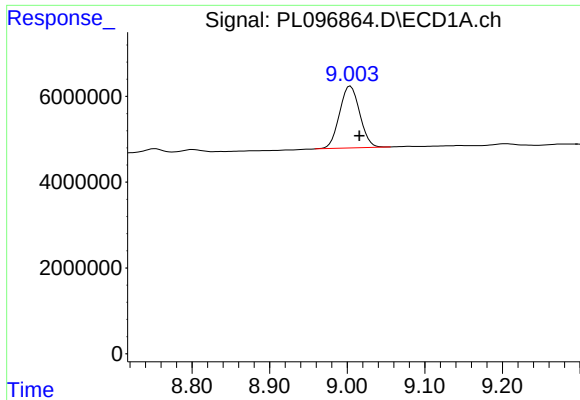
#17 4,4'-DDT

R.T.: 6.981 min
Delta R.T.: -0.009 min
Response: 22955260
Conc: 8.00 ng/ml m



#17 4,4'-DDT

R.T.: 6.103 min
Delta R.T.: -0.006 min
Response: 47550547
Conc: 9.40 ng/ml



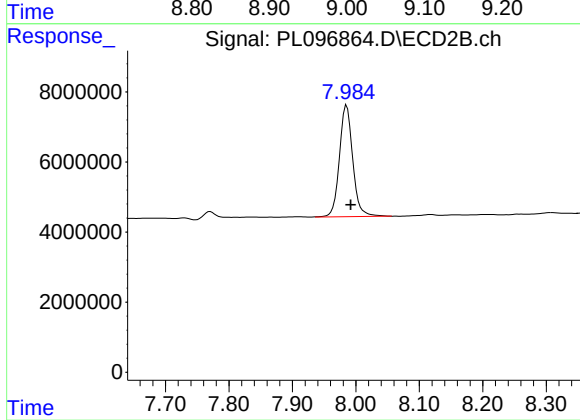
#28 Decachlorobiphenyl

R.T.: 9.003 min
Delta R.T.: -0.013 min
Response: 26164006
Conc: 10.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



#28 Decachlorobiphenyl

R.T.: 7.984 min
Delta R.T.: -0.008 min
Response: 46389979
Conc: 10.69 ng/ml m

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP08-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-11	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	91.3 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
PL096865.D	1	08/18/25 08:06	08/18/25 18:46	PB169283

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00036	U	0.00014	0.00036	0.0019	mg/Kg
319-85-7	beta-BHC	0.00091	U	0.00020	0.00091	0.0019	mg/Kg
319-86-8	delta-BHC	0.00091	U	0.00043	0.00091	0.0019	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
76-44-8	Heptachlor	0.00036	U	0.00013	0.00036	0.0019	mg/Kg
309-00-2	Aldrin	0.00036	U	0.00013	0.00036	0.0019	mg/Kg
1024-57-3	Heptachlor epoxide	0.00091	U	0.00021	0.00091	0.0019	mg/Kg
959-98-8	Endosulfan I	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
60-57-1	Dieldrin	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
72-55-9	4,4-DDE	0.0091		0.00015	0.00036	0.0019	mg/Kg
72-20-8	Endrin	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
33213-65-9	Endosulfan II	0.00091	U	0.00032	0.00091	0.0019	mg/Kg
72-54-8	4,4-DDD	0.0027	P	0.00016	0.00036	0.0019	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00036	U	0.00014	0.00036	0.0019	mg/Kg
50-29-3	4,4-DDT	0.0047		0.00015	0.00036	0.0019	mg/Kg
72-43-5	Methoxychlor	0.00091	U	0.00040	0.00091	0.0019	mg/Kg
53494-70-5	Endrin ketone	0.00091	U	0.00021	0.00091	0.0019	mg/Kg
7421-93-4	Endrin aldehyde	0.00091	U	0.00040	0.00091	0.0019	mg/Kg
5103-71-9	alpha-Chlordane	0.012	P	0.00013	0.00036	0.0019	mg/Kg
5103-74-2	gamma-Chlordane	0.0059		0.00016	0.00036	0.0019	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0059	0.019	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	15.3		55 - 130		76%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.7		42 - 129		68%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	08/14/25	
Project:	Raymark Superfund Site		Date Received:	08/15/25	
Client Sample ID:	OU4-TS-GRILLO-TSCP08-081425		SDG No.:	Q2879	
Lab Sample ID:	Q2879-11		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	91.3	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
PL096865.D	1	08/18/25 08:06	08/18/25 18:46	PB169283

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\PL081825\
 Data File : PL096865.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 18:46
 Operator : AR\AJ
 Sample : Q2879-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-TS-GRILLO-TSCP08-081425

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
 Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:01:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.826	43489944	60007514	13.673	12.560
28)	SA Decachlor...	9.003	7.985	36388572	63723369	15.259m	14.688m
Target Compounds							
10)	B gamma-Chl...	5.909	5.046	61857783	67949897	16.256m	11.556m#
11)	B alpha-Chl...	5.993	5.109	126.9E6	100.5E6	32.930m	17.043m#
12)	B 4,4'-DDE	6.160	5.300	79881387	128.4E6	24.875	23.276
16)	A 4,4'-DDD	6.669	5.850	18477299	17886023	7.308m	3.801m#
17)	MA 4,4'-DDT	6.980	6.102	29578509	65010376	10.314m	12.852

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096865.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 18:46
Operator : AR\AJ
Sample : Q2879-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

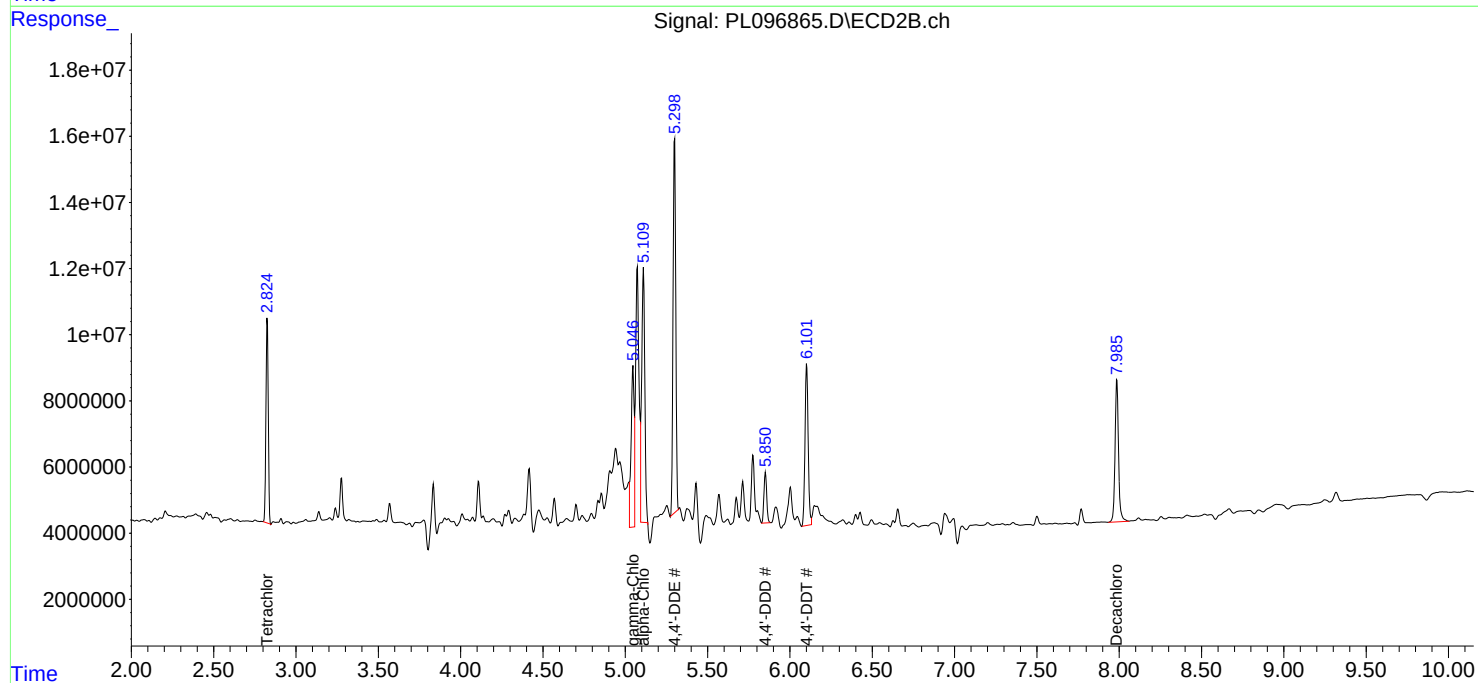
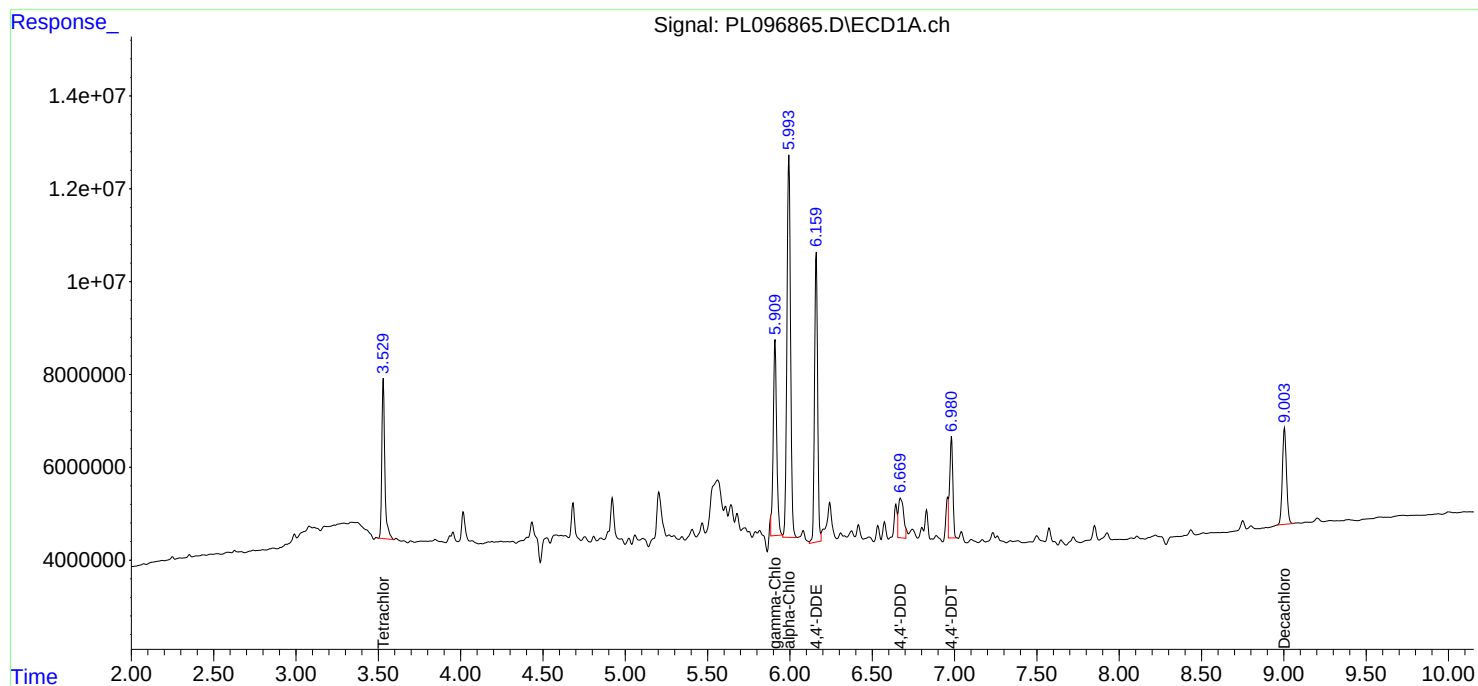
Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

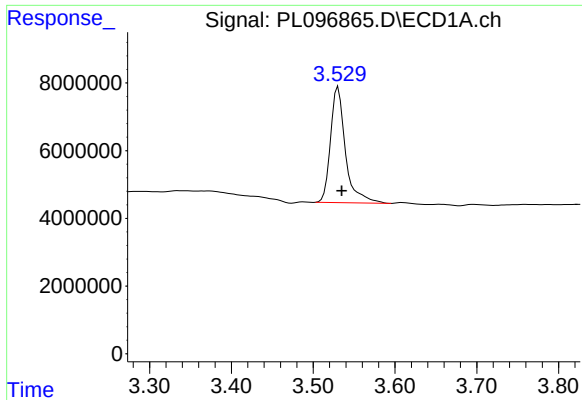
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/19/2025
Supervised By : mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 06:01:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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





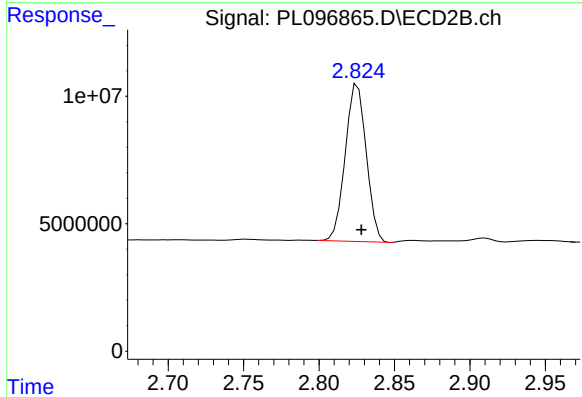
#1 Tetrachloro-m-xylene

R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 43489944
Conc: 13.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

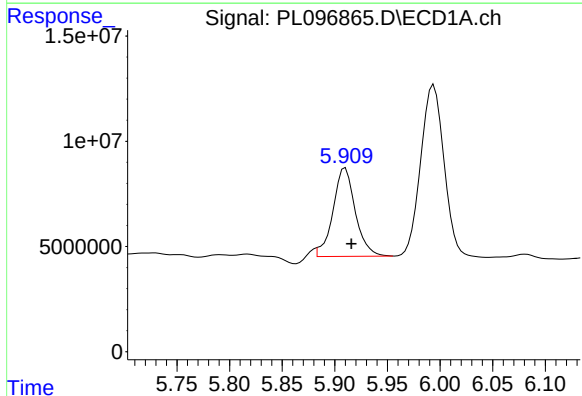
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



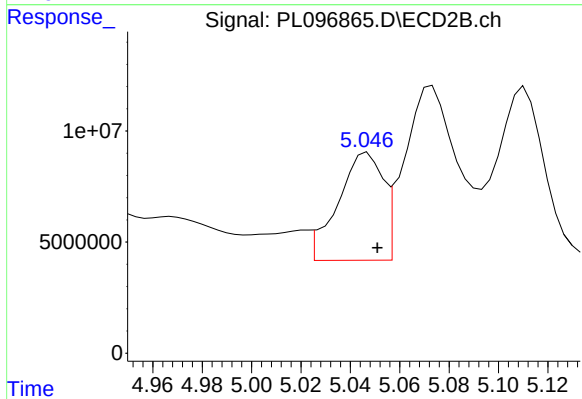
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 60007514
Conc: 12.56 ng/ml



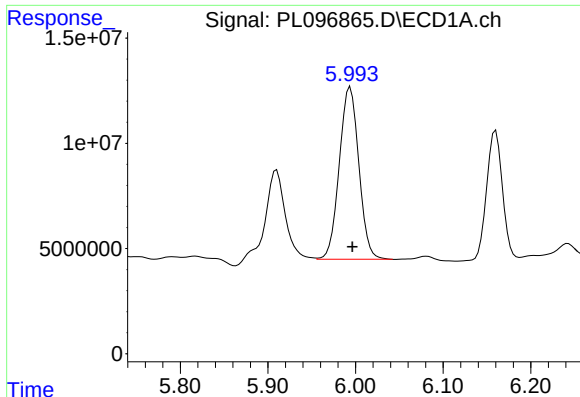
#10 gamma-Chlordane

R.T.: 5.909 min
Delta R.T.: -0.007 min
Response: 61857783
Conc: 16.26 ng/ml m



#10 gamma-Chlordane

R.T.: 5.046 min
Delta R.T.: -0.005 min
Response: 67949897
Conc: 11.56 ng/ml m



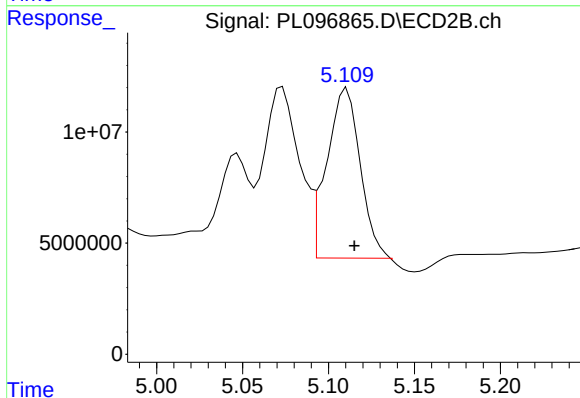
#11 alpha-Chlordane

R.T.: 5.993 min
Delta R.T.: -0.004 min
Response: 126932751
Conc: 32.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

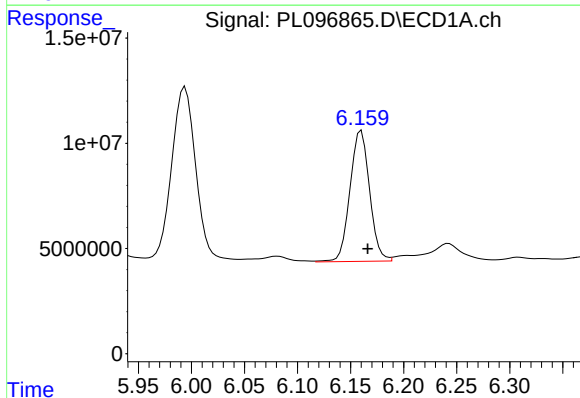
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



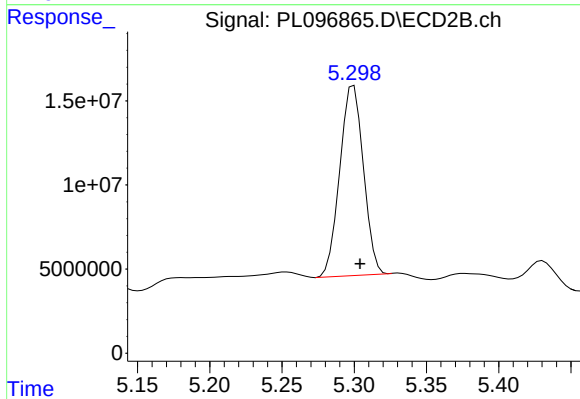
#11 alpha-Chlordane

R.T.: 5.109 min
Delta R.T.: -0.006 min
Response: 100534216
Conc: 17.04 ng/ml m



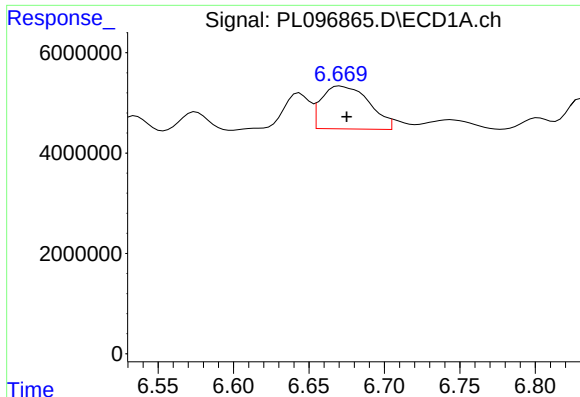
#12 4,4'-DDE

R.T.: 6.160 min
Delta R.T.: -0.006 min
Response: 79881387
Conc: 24.88 ng/ml



#12 4,4'-DDE

R.T.: 5.300 min
Delta R.T.: -0.004 min
Response: 128355178
Conc: 23.28 ng/ml



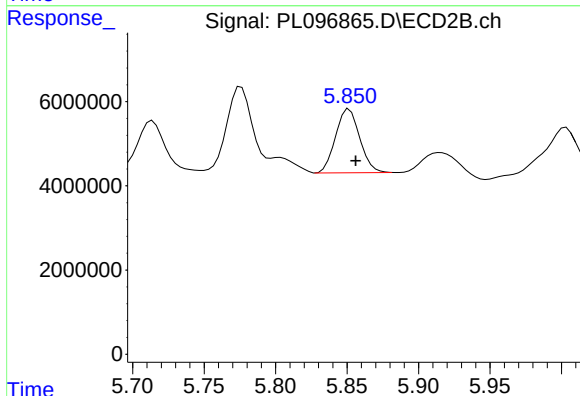
#16 4,4'-DDD

R.T.: 6.669 min
Delta R.T.: -0.006 min
Response: 18477299
Conc: 7.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

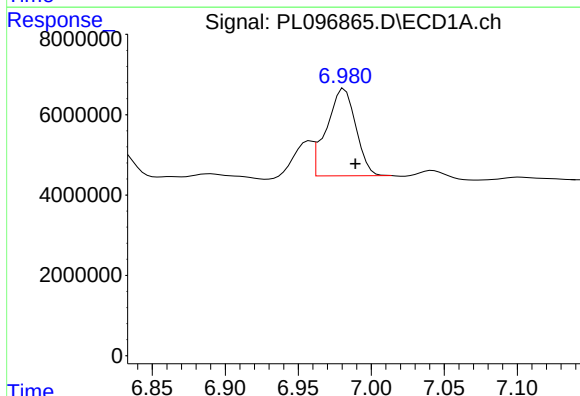
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



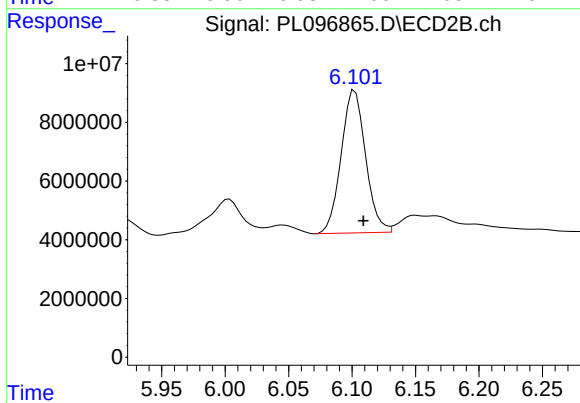
#16 4,4'-DDD

R.T.: 5.850 min
Delta R.T.: -0.006 min
Response: 17886023
Conc: 3.80 ng/ml m



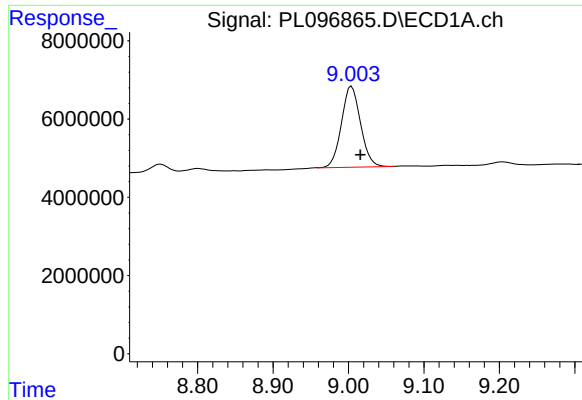
#17 4,4'-DDT

R.T.: 6.980 min
Delta R.T.: -0.009 min
Response: 29578509
Conc: 10.31 ng/ml m



#17 4,4'-DDT

R.T.: 6.102 min
Delta R.T.: -0.007 min
Response: 65010376
Conc: 12.85 ng/ml



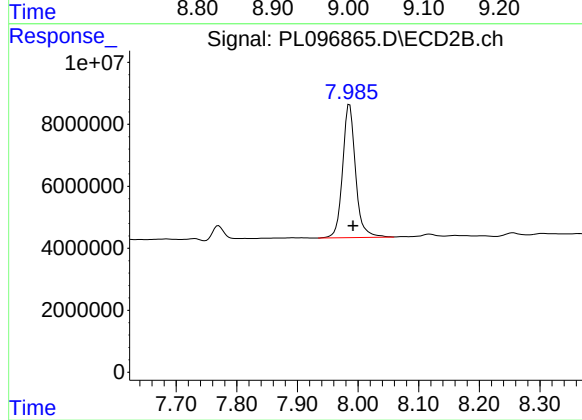
#28 Decachlorobiphenyl

R.T.: 9.003 min
Delta R.T.: -0.013 min
Response: 36388572
Conc: 15.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



#28 Decachlorobiphenyl

R.T.: 7.985 min
Delta R.T.: -0.007 min
Response: 63723369
Conc: 14.69 ng/ml m

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP09-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-13	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	92.8 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
PL096884.D	1	08/18/25 08:06	08/19/25 12:51	PB169283

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00036	U	0.00014	0.00036	0.0018	mg/Kg
319-85-7	beta-BHC	0.00089	U	0.00019	0.00089	0.0018	mg/Kg
319-86-8	delta-BHC	0.00089	U	0.00042	0.00089	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00036	U	0.00015	0.00036	0.0018	mg/Kg
76-44-8	Heptachlor	0.00036	U	0.00013	0.00036	0.0018	mg/Kg
309-00-2	Aldrin	0.00036	U	0.00013	0.00036	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.00089	U	0.00020	0.00089	0.0018	mg/Kg
959-98-8	Endosulfan I	0.00036	U	0.00015	0.00036	0.0018	mg/Kg
60-57-1	Dieldrin	0.00036	U	0.00015	0.00036	0.0018	mg/Kg
72-55-9	4,4-DDE	0.010		0.00015	0.00036	0.0018	mg/Kg
72-20-8	Endrin	0.00036	U	0.00015	0.00036	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.00089	U	0.00031	0.00089	0.0018	mg/Kg
72-54-8	4,4-DDD	0.0016	J	0.00016	0.00036	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00036	U	0.00014	0.00036	0.0018	mg/Kg
50-29-3	4,4-DDT	0.0060		0.00015	0.00036	0.0018	mg/Kg
72-43-5	Methoxychlor	0.00089	U	0.00040	0.00089	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.00089	U	0.00020	0.00089	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.00089	U	0.00040	0.00089	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.012	P	0.00013	0.00036	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.0055	P	0.00016	0.00036	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0058	0.018	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	16.1		55 - 130		80%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.1		42 - 129		66%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	08/14/25	
Project:	Raymark Superfund Site		Date Received:	08/15/25	
Client Sample ID:	OU4-TS-GRILLO-TSCP09-081425		SDG No.:	Q2879	
Lab Sample ID:	Q2879-13		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	92.8	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
PL096884.D	1	08/18/25 08:06	08/19/25 12:51	PB169283

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\PL081925\
 Data File : PL096884.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 12:51
 Operator : AR\AJ
 Sample : Q2879-13
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-TS-GRILLO-TSCP09-081425

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/20/2025
 Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 20 01:36:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.529	2.822	41697374	60149451	13.109	12.589
28)	SA Decachlor...	9.009	7.985	38286540	65286767	16.055	15.049m
Target Compounds							
10)	B gamma-Chl...	5.910	5.043	58320637	41406143	15.326m	7.042m#
11)	B alpha-Chl...	5.994	5.109	124.0E6	109.6E6	32.175m	18.577 #
12)	B 4,4'-DDE	6.160	5.298	90939116	136.7E6	28.319m	24.790
16)	A 4,4'-DDD	6.682	5.848	11177833	13836346	4.421m	2.941m#
17)	MA 4,4'-DDT	6.982	6.102	35357349	84884106	12.330m	16.781 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
Data File : PL096884.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 12:51
Operator : AR\AJ
Sample : Q2879-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

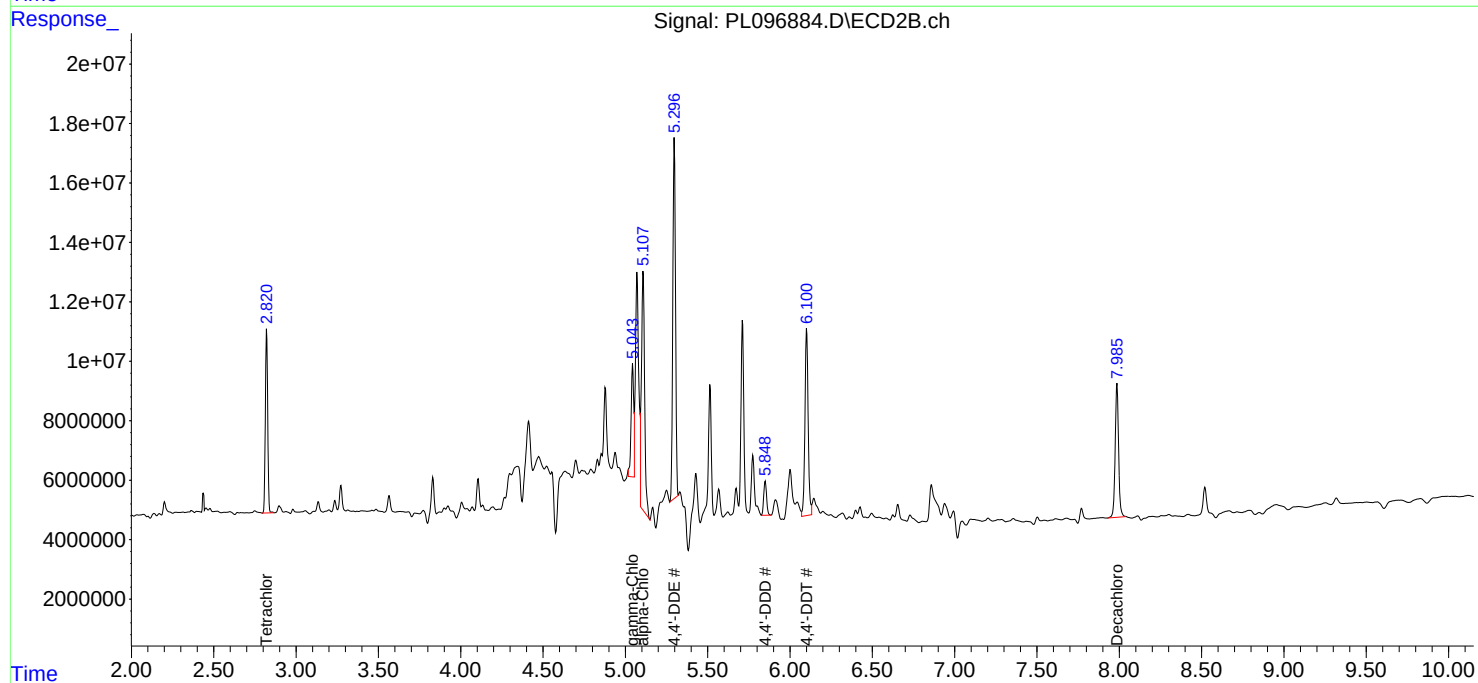
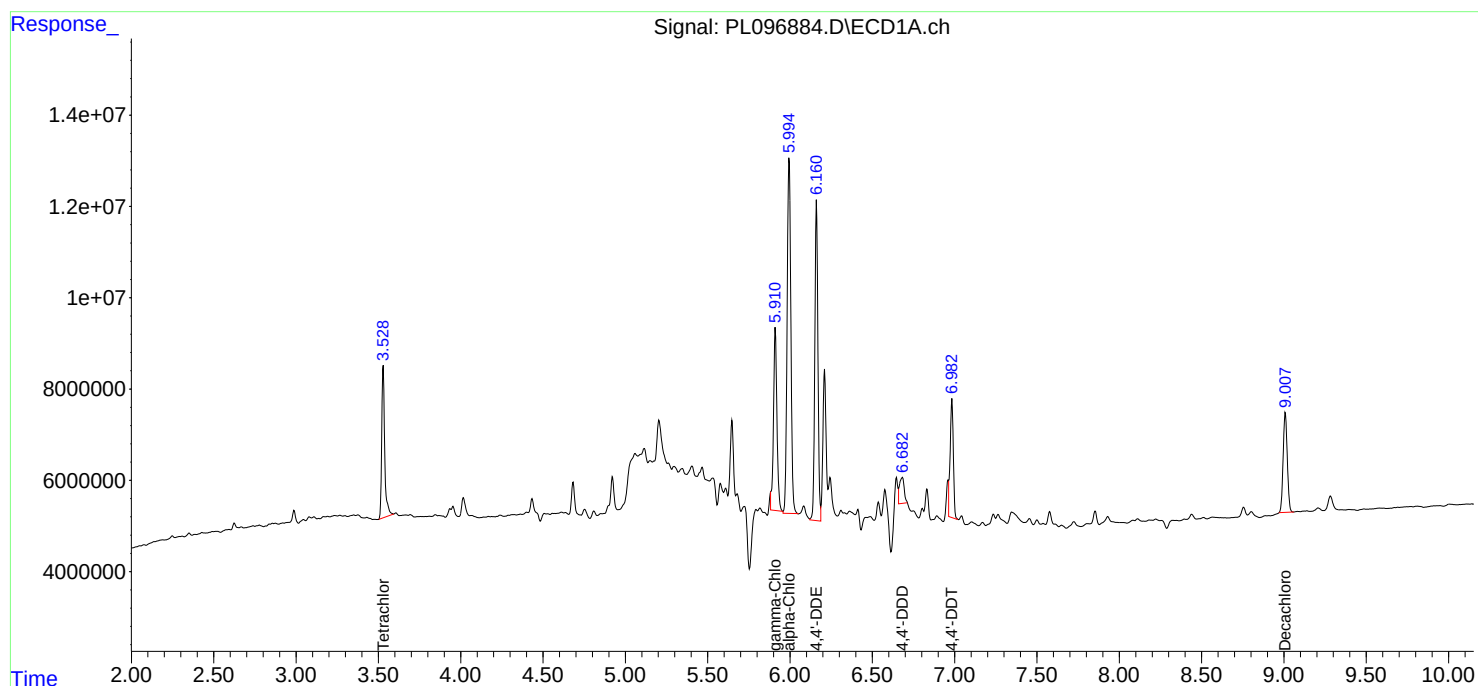
Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

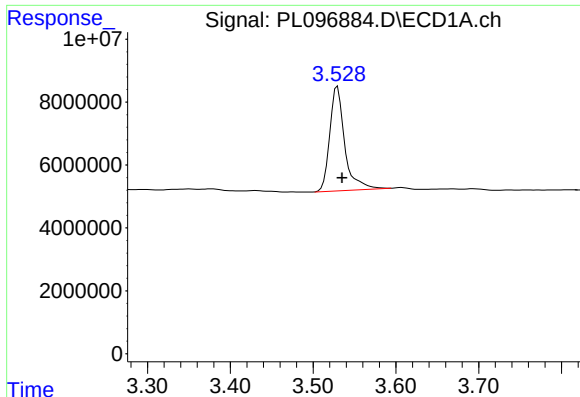
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 01:36:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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





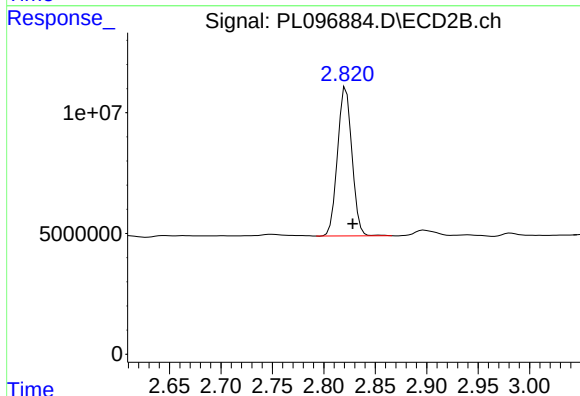
#1 Tetrachloro-m-xylene

R.T.: 3.529 min
Delta R.T.: -0.006 min
Response: 41697374
Conc: 13.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

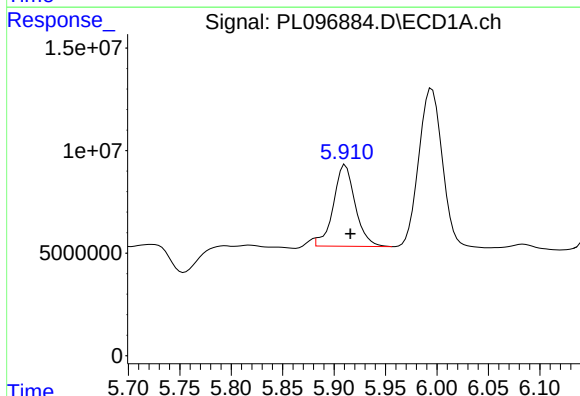
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



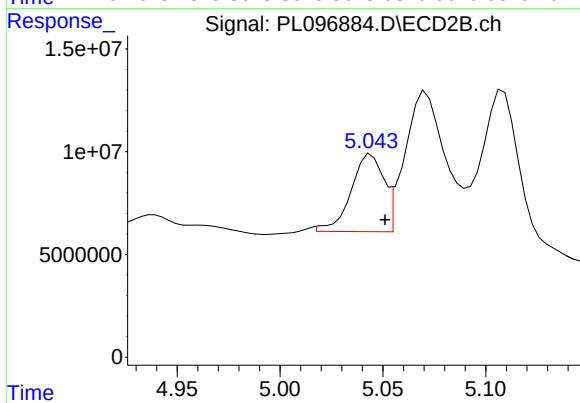
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.006 min
Response: 60149451
Conc: 12.59 ng/ml



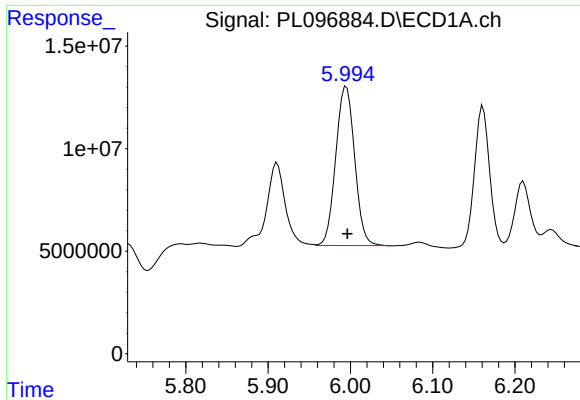
#10 gamma-Chlordane

R.T.: 5.910 min
Delta R.T.: -0.006 min
Response: 58320637
Conc: 15.33 ng/ml m



#10 gamma-Chlordane

R.T.: 5.043 min
Delta R.T.: -0.008 min
Response: 41406143
Conc: 7.04 ng/ml m



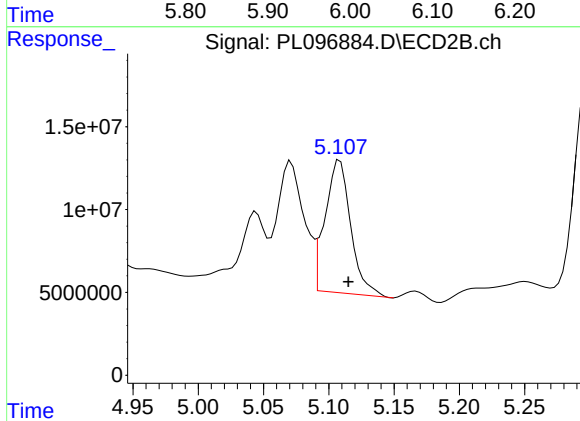
#11 alpha-Chlordane

R.T.: 5.994 min
Delta R.T.: -0.003 min
Response: 124022026
Conc: 32.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

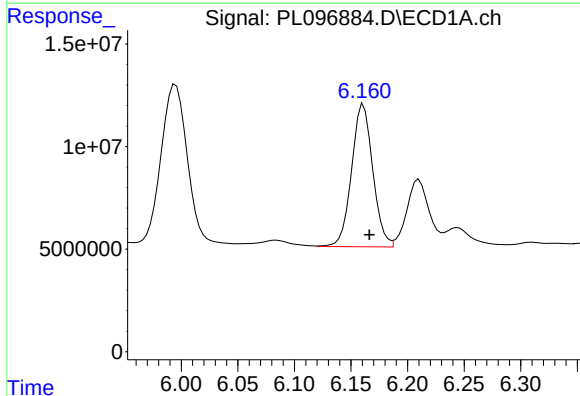
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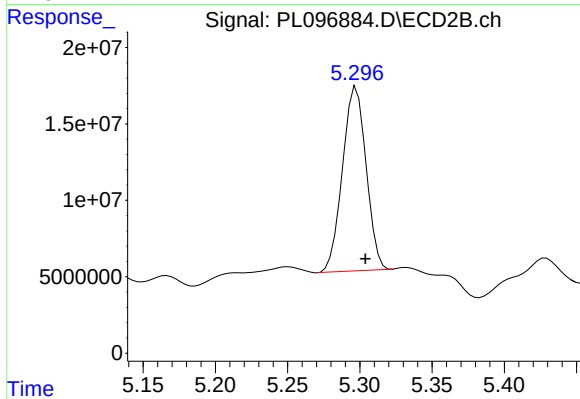
#11 alpha-Chlordane

R.T.: 5.109 min
Delta R.T.: -0.006 min
Response: 109583827
Conc: 18.58 ng/ml



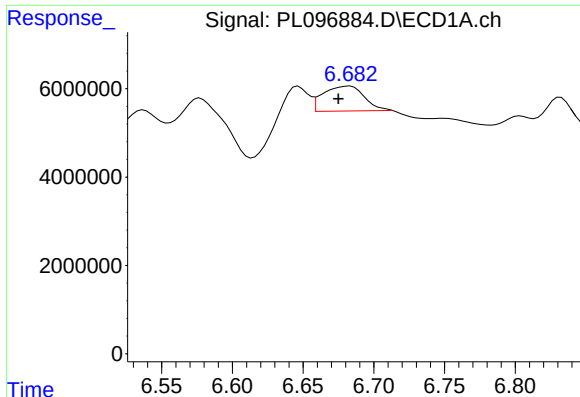
#12 4,4'-DDE

R.T.: 6.160 min
Delta R.T.: -0.006 min
Response: 90939116
Conc: 28.32 ng/ml m



#12 4,4'-DDE

R.T.: 5.298 min
Delta R.T.: -0.006 min
Response: 136701054
Conc: 24.79 ng/ml



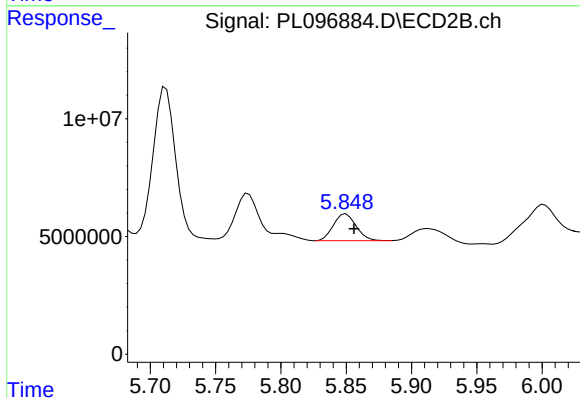
#16 4,4'-DDD

R.T.: 6.682 min
Delta R.T.: 0.007 min
Response: 11177833
Conc: 4.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

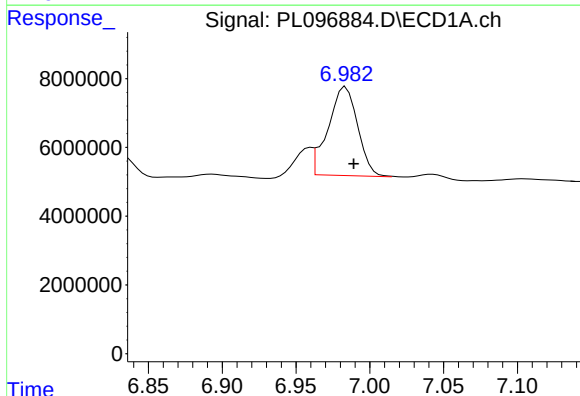
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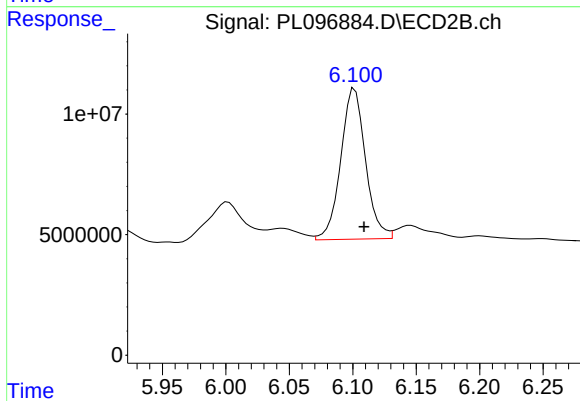
#16 4,4'-DDD

R.T.: 5.848 min
Delta R.T.: -0.008 min
Response: 13836346
Conc: 2.94 ng/ml m



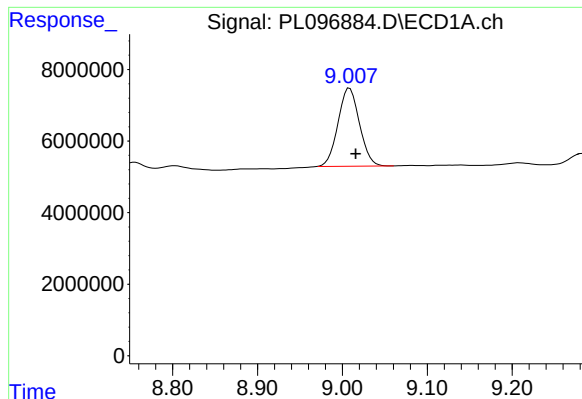
#17 4,4'-DDT

R.T.: 6.982 min
Delta R.T.: -0.007 min
Response: 35357349
Conc: 12.33 ng/ml m



#17 4,4'-DDT

R.T.: 6.102 min
Delta R.T.: -0.007 min
Response: 84884106
Conc: 16.78 ng/ml



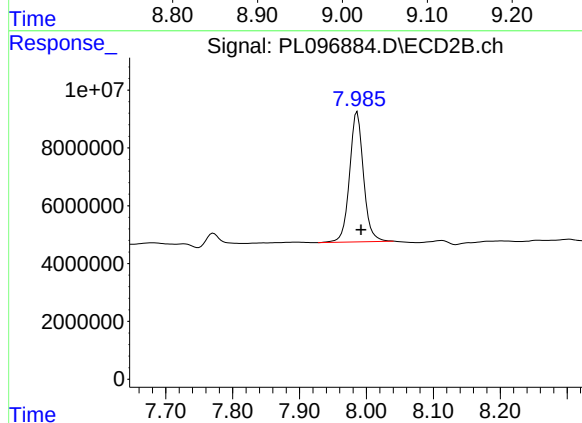
#28 Decachlorobiphenyl

R.T.: 9.009 min
Delta R.T.: -0.007 min
Response: 38286540
Conc: 16.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

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#28 Decachlorobiphenyl

R.T.: 7.985 min
Delta R.T.: -0.007 min
Response: 65286767
Conc: 15.05 ng/ml m

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP10-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-15	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	91.3
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	10000
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096885.D	1	08/18/25 08:06	08/19/25 13:04	PB169283

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00036	U	0.00014	0.00036	0.0019	mg/Kg
319-85-7	beta-BHC	0.00091	U	0.00020	0.00091	0.0019	mg/Kg
319-86-8	delta-BHC	0.00091	U	0.00043	0.00091	0.0019	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
76-44-8	Heptachlor	0.00036	U	0.00013	0.00036	0.0019	mg/Kg
309-00-2	Aldrin	0.00036	U	0.00013	0.00036	0.0019	mg/Kg
1024-57-3	Heptachlor epoxide	0.00091	U	0.00021	0.00091	0.0019	mg/Kg
959-98-8	Endosulfan I	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
60-57-1	Dieldrin	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
72-55-9	4,4-DDE	0.011		0.00015	0.00036	0.0019	mg/Kg
72-20-8	Endrin	0.00036	U	0.00015	0.00036	0.0019	mg/Kg
33213-65-9	Endosulfan II	0.00091	U	0.00032	0.00091	0.0019	mg/Kg
72-54-8	4,4-DDD	0.0021	P	0.00016	0.00036	0.0019	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00036	U	0.00014	0.00036	0.0019	mg/Kg
50-29-3	4,4-DDT	0.0058		0.00015	0.00036	0.0019	mg/Kg
72-43-5	Methoxychlor	0.00091	U	0.00040	0.00091	0.0019	mg/Kg
53494-70-5	Endrin ketone	0.00091	U	0.00021	0.00091	0.0019	mg/Kg
7421-93-4	Endrin aldehyde	0.00091	U	0.00040	0.00091	0.0019	mg/Kg
5103-71-9	alpha-Chlordane	0.013	P	0.00013	0.00036	0.0019	mg/Kg
5103-74-2	gamma-Chlordane	0.0062	P	0.00016	0.00036	0.0019	mg/Kg
8001-35-2	Toxaphene	0.019	U	0.0059	0.019	0.036	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	17.5		55 - 130		88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.4		42 - 129		77%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	08/14/25	
Project:	Raymark Superfund Site		Date Received:	08/15/25	
Client Sample ID:	OU4-TS-GRILLO-TSCP10-081425		SDG No.:	Q2879	
Lab Sample ID:	Q2879-15		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	91.3	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
PL096885.D	1	08/18/25 08:06	08/19/25 13:04	PB169283

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\PL081925\
 Data File : PL096885.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 13:04
 Operator : AR\AJ
 Sample : Q2879-15
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-TS-GRILLO-TSCP10-081425

Manual Integrations
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 Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 20 01:36:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.530	2.824	48854269	66109706	15.359	13.837
28)	SA Decachlor...	9.002	7.984	41832322	68633687	17.542m	15.820m
Target Compounds							
10)	B gamma-Chl...	5.907	5.044	64393478	42131026	16.922m	7.165m#
11)	B alpha-Chl...	5.992	5.109	137.8E6	114.7E6	35.747m	19.446 #
12)	B 4,4'-DDE	6.159	5.298	94061912	140.6E6	29.291	25.504
16)	A 4,4'-DDD	6.677	5.850	14381167	13341384	5.688m	2.835 #
17)	MA 4,4'-DDT	6.980	6.102	41111740	80312943	14.336m	15.877

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
Data File : PL096885.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 13:04
Operator : AR\AJ
Sample : Q2879-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

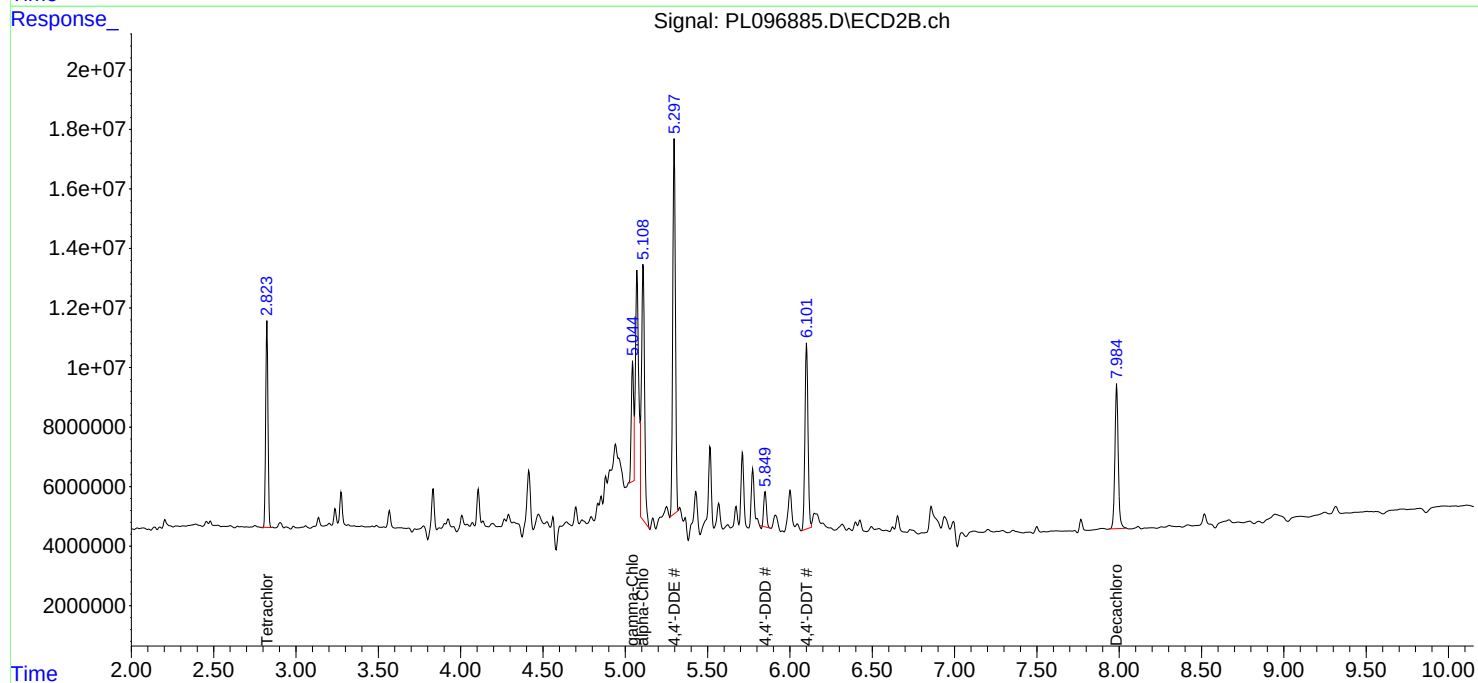
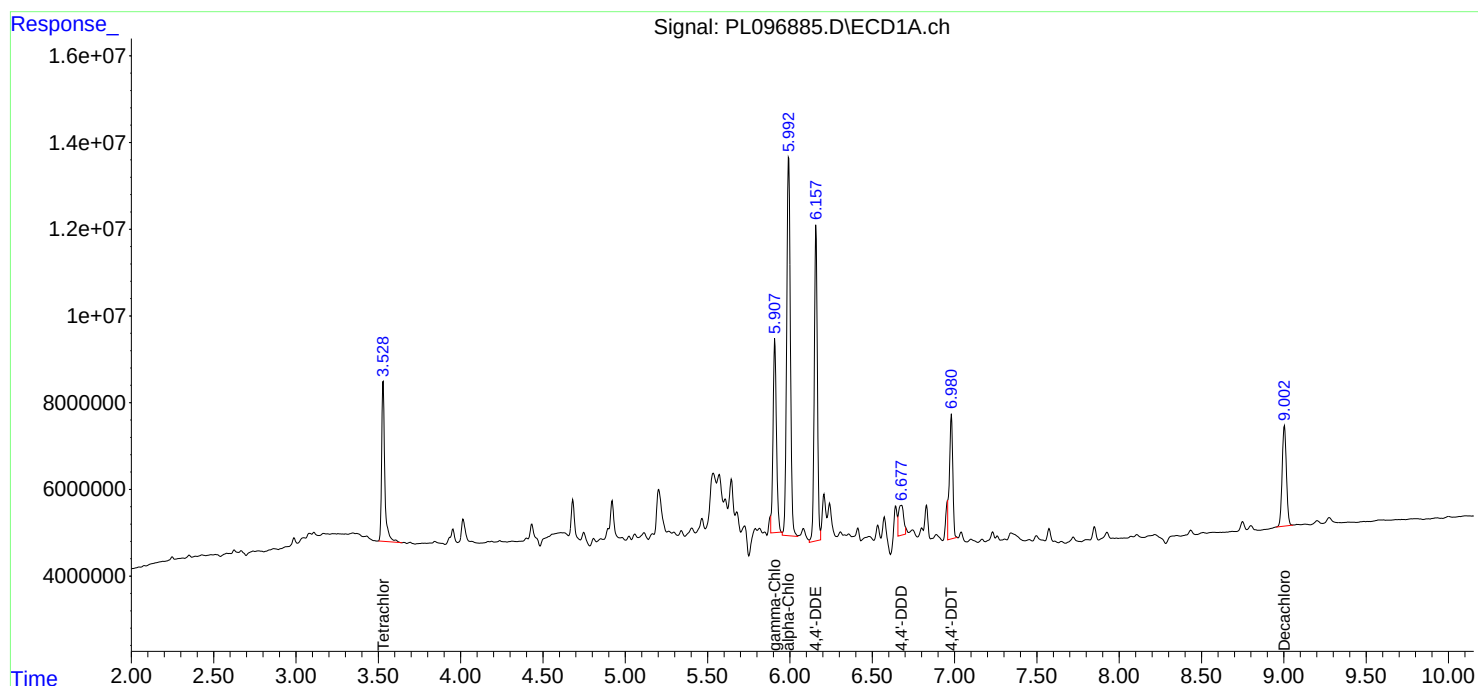
Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

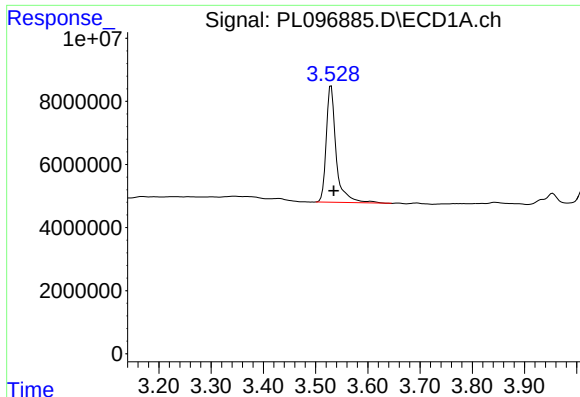
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Reviewed By : Abdul Mirza 08/20/2025
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 01:36:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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





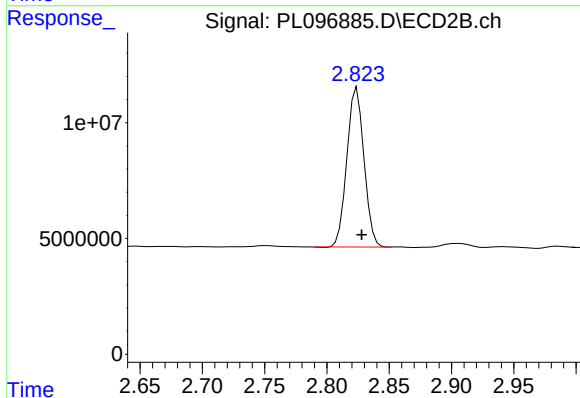
#1 Tetrachloro-m-xylene

R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 48854269
Conc: 15.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

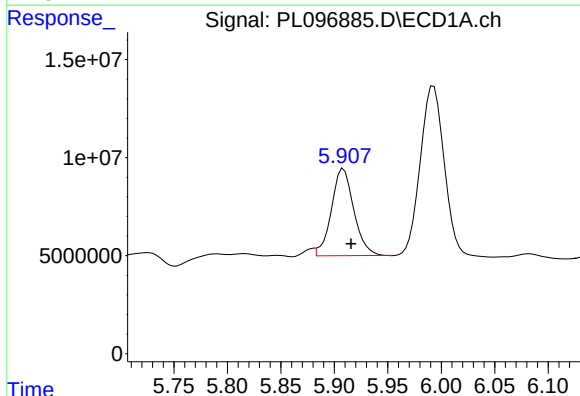
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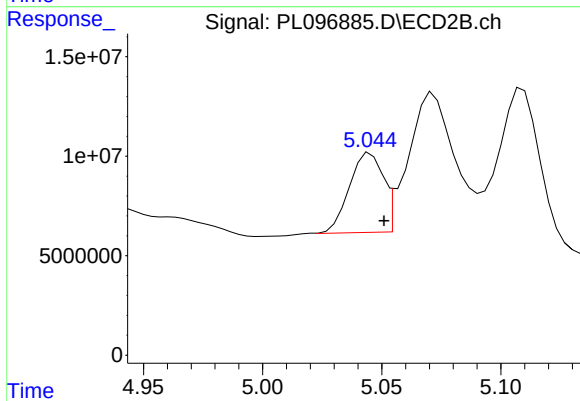
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: -0.004 min
Response: 66109706
Conc: 13.84 ng/ml



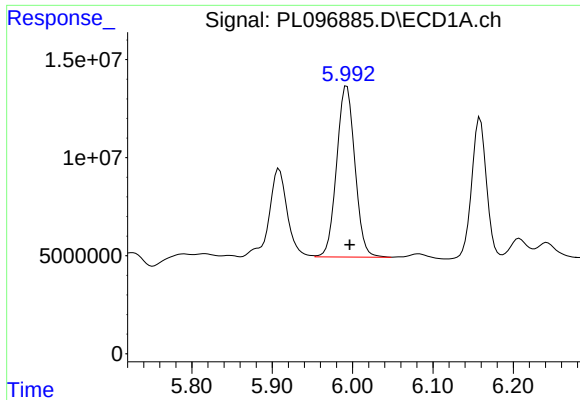
#10 gamma-Chlordane

R.T.: 5.907 min
Delta R.T.: -0.009 min
Response: 64393478
Conc: 16.92 ng/ml m



#10 gamma-Chlordane

R.T.: 5.044 min
Delta R.T.: -0.007 min
Response: 42131026
Conc: 7.17 ng/ml m



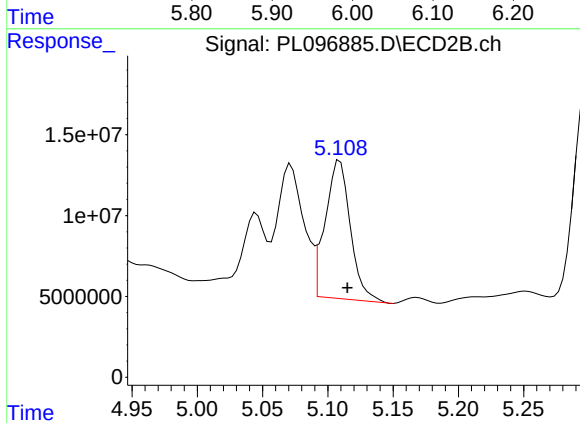
#11 alpha-Chlordane

R.T.: 5.992 min
Delta R.T.: -0.005 min
Response: 137791155
Conc: 35.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

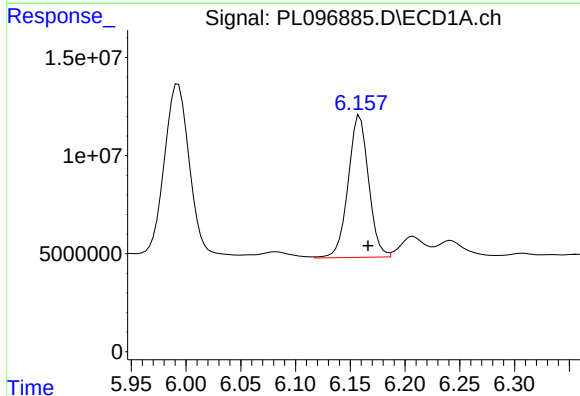
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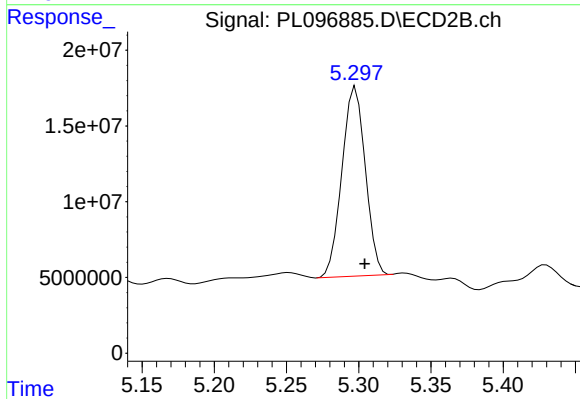
#11 alpha-Chlordane

R.T.: 5.109 min
Delta R.T.: -0.006 min
Response: 114709189
Conc: 19.45 ng/ml



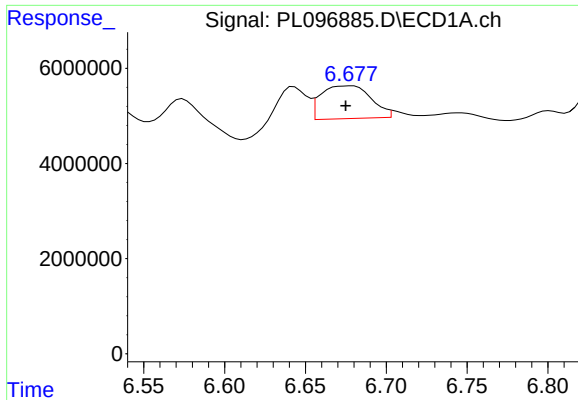
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 94061912
Conc: 29.29 ng/ml



#12 4,4'-DDE

R.T.: 5.298 min
Delta R.T.: -0.006 min
Response: 140638088
Conc: 25.50 ng/ml



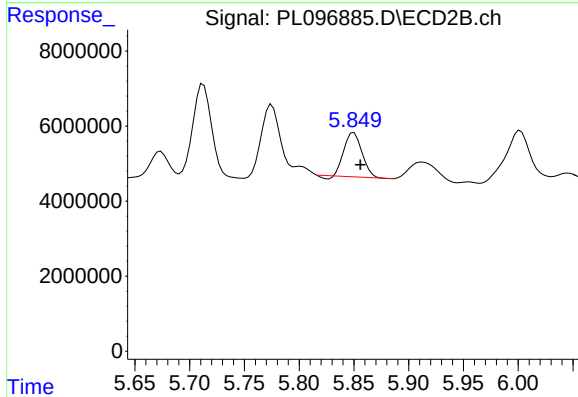
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.002 min
Response: 14381167
Conc: 5.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

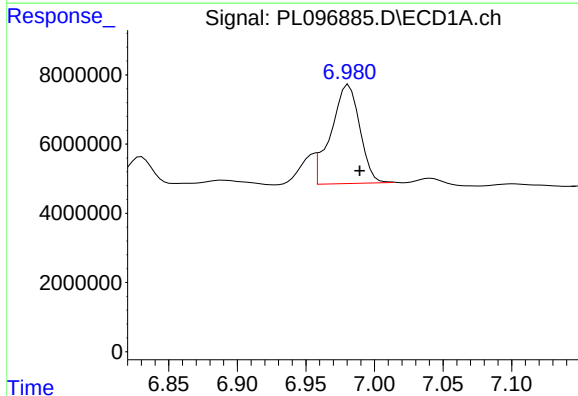
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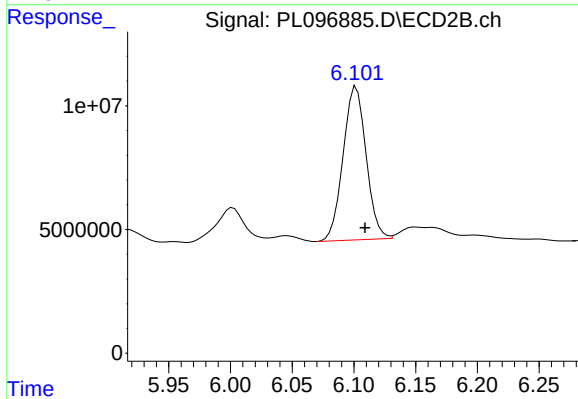
#16 4,4'-DDD

R.T.: 5.850 min
Delta R.T.: -0.006 min
Response: 13341384
Conc: 2.84 ng/ml



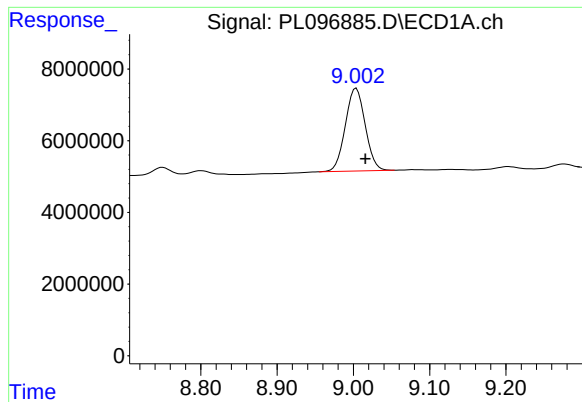
#17 4,4'-DDT

R.T.: 6.980 min
Delta R.T.: -0.009 min
Response: 41111740
Conc: 14.34 ng/ml m



#17 4,4'-DDT

R.T.: 6.102 min
Delta R.T.: -0.007 min
Response: 80312943
Conc: 15.88 ng/ml



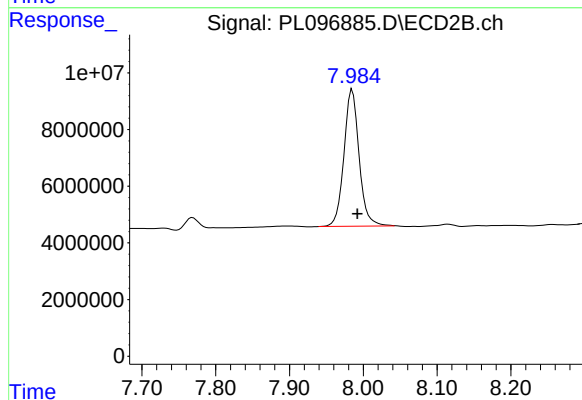
#28 Decachlorobiphenyl

R.T.: 9.002 min
Delta R.T.: -0.013 min
Response: 41832322
Conc: 17.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

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#28 Decachlorobiphenyl

R.T.: 7.984 min
Delta R.T.: -0.008 min
Response: 68633687
Conc: 15.82 ng/ml m

Report of Analysis

Client:	Nobis Group	Date Collected:	08/14/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	OU4-TS-GRILLO-TSCP11-081425	SDG No.:	Q2879
Lab Sample ID:	Q2879-17	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	77
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096886.D	1	08/18/25 08:06	08/19/25 13:18	PB169283

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.00043	U	0.00017	0.00043	0.0022	mg/Kg
319-85-7	beta-BHC	0.0011	U	0.00023	0.0011	0.0022	mg/Kg
319-86-8	delta-BHC	0.0011	U	0.00051	0.0011	0.0022	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.00043	U	0.00018	0.00043	0.0022	mg/Kg
76-44-8	Heptachlor	0.00043	U	0.00016	0.00043	0.0022	mg/Kg
309-00-2	Aldrin	0.00043	U	0.00016	0.00043	0.0022	mg/Kg
1024-57-3	Heptachlor epoxide	0.0011	U	0.00025	0.0011	0.0022	mg/Kg
959-98-8	Endosulfan I	0.00043	U	0.00018	0.00043	0.0022	mg/Kg
60-57-1	Dieldrin	0.00043	U	0.00018	0.00043	0.0022	mg/Kg
72-55-9	4,4-DDE	0.0087		0.00018	0.00043	0.0022	mg/Kg
72-20-8	Endrin	0.00043	U	0.00018	0.00043	0.0022	mg/Kg
33213-65-9	Endosulfan II	0.0011	U	0.00038	0.0011	0.0022	mg/Kg
72-54-8	4,4-DDD	0.0013	JP	0.00019	0.00043	0.0022	mg/Kg
1031-07-8	Endosulfan Sulfate	0.00043	U	0.00017	0.00043	0.0022	mg/Kg
50-29-3	4,4-DDT	0.0048		0.00018	0.00043	0.0022	mg/Kg
72-43-5	Methoxychlor	0.0011	U	0.00048	0.0011	0.0022	mg/Kg
53494-70-5	Endrin ketone	0.0011	U	0.00025	0.0011	0.0022	mg/Kg
7421-93-4	Endrin aldehyde	0.0011	U	0.00048	0.0011	0.0022	mg/Kg
5103-71-9	alpha-Chlordane	0.015	P	0.00016	0.00043	0.0022	mg/Kg
5103-74-2	gamma-Chlordane	0.0069	P	0.00019	0.00043	0.0022	mg/Kg
8001-35-2	Toxaphene	0.022	U	0.0070	0.022	0.043	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	12.0		55 - 130		60%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.0		42 - 129		65%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	08/14/25	
Project:	Raymark Superfund Site		Date Received:	08/15/25	
Client Sample ID:	OU4-TS-GRILLO-TSCP11-081425		SDG No.:	Q2879	
Lab Sample ID:	Q2879-17		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	77	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
PL096886.D	1	08/18/25 08:06	08/19/25 13:18	PB169283

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\PL081925\
 Data File : PL096886.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 13:18
 Operator : AR\AJ
 Sample : Q2879-17
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-TS-GRILLO-TSCP11-081425

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
 Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 20 01:36:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.530	2.825	41456422	59236498	13.033	12.398
28)	SA Decachlor...	9.003	7.986	28561576	45510798	11.977m	10.490
Target Compounds							
10)	B gamma-Chl...	5.909	5.045	60997126	41432621	16.030	7.046m#
11)	B alpha-Chl...	5.993	5.110	133.0E6	118.5E6	34.514	20.095 #
12)	B 4,4'-DDE	6.159	5.299	64718340	104.8E6	20.154	19.005
16)	A 4,4'-DDD	6.681	5.849	7450437	7731797	2.947m	1.643m#
17)	MA 4,4'-DDT	6.981	6.103	31694604	55807607	11.052m	11.033

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
Data File : PL096886.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 13:18
Operator : AR\AJ
Sample : Q2879-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

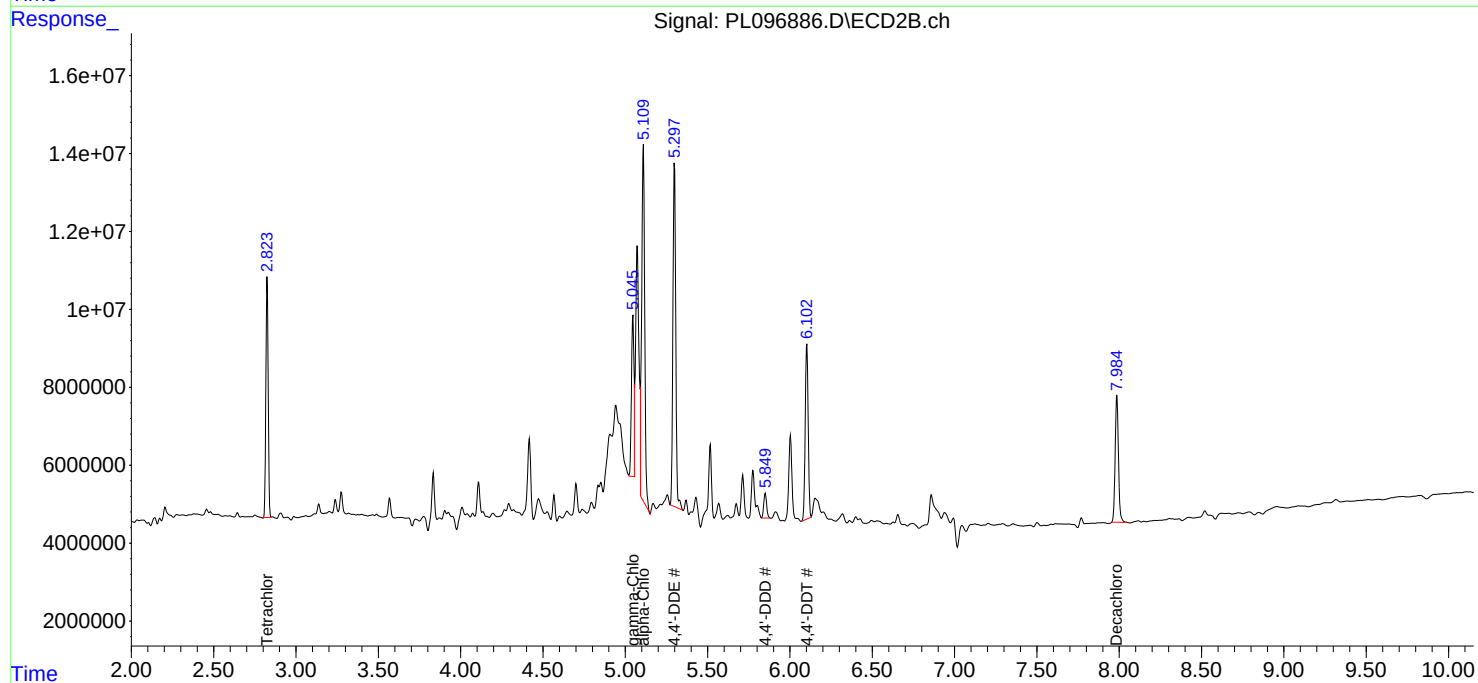
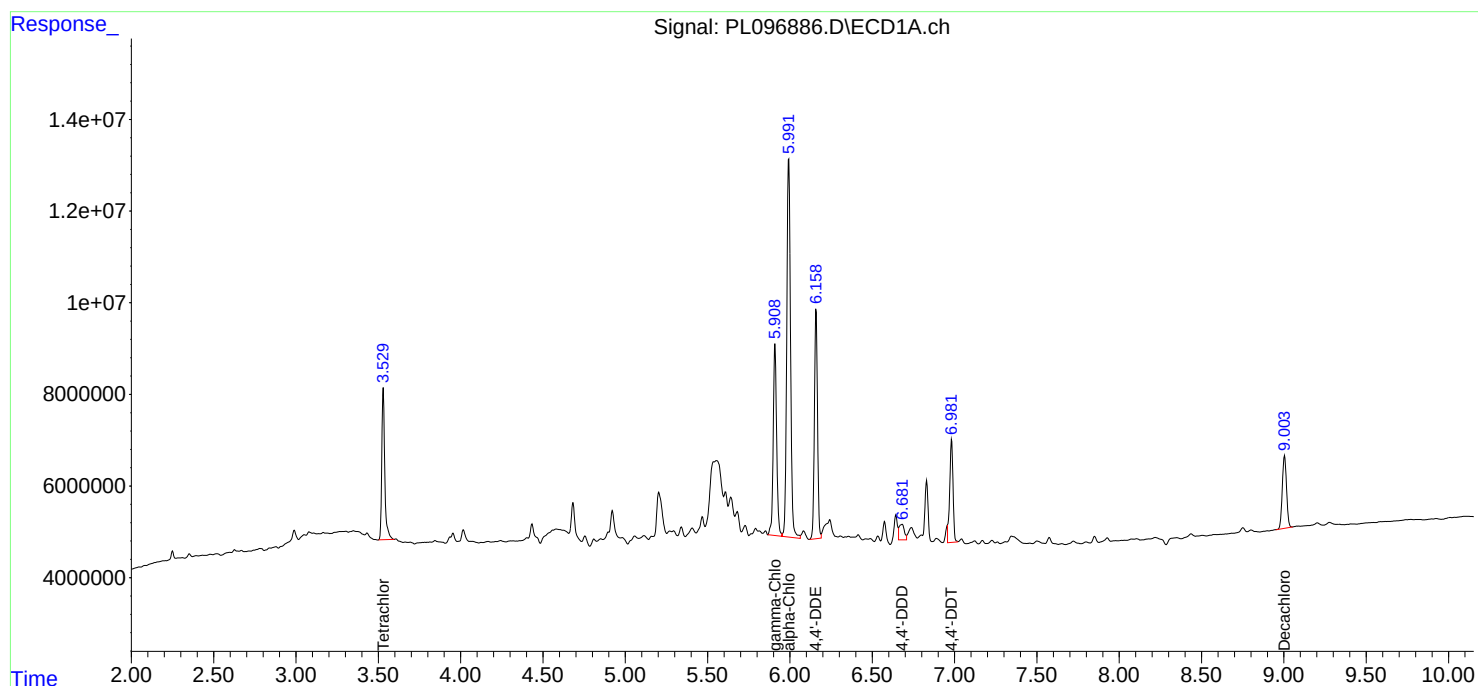
Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

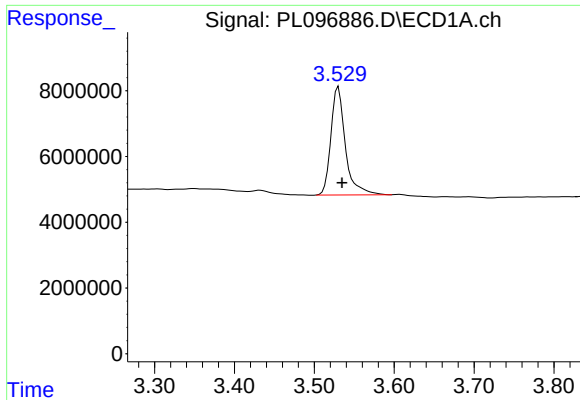
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/20/2025
Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 01:36:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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





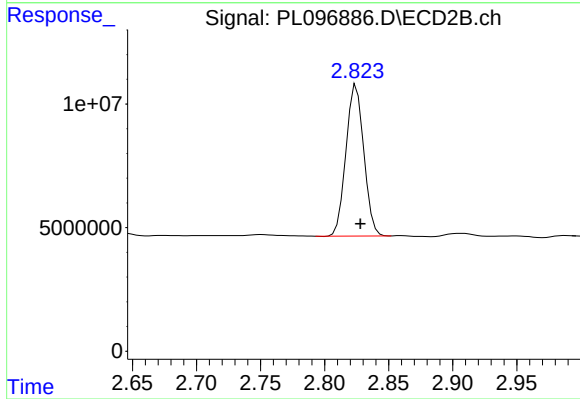
#1 Tetrachloro-m-xylene

R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 41456422
Conc: 13.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

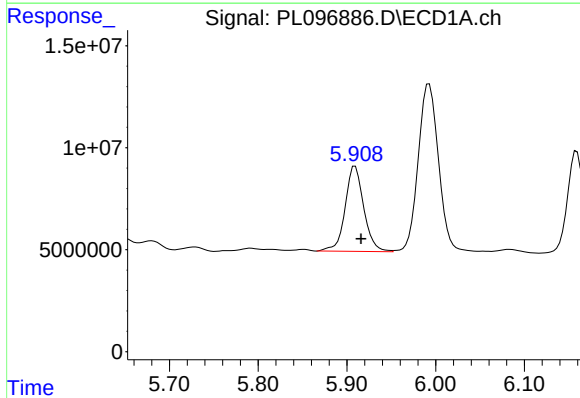
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



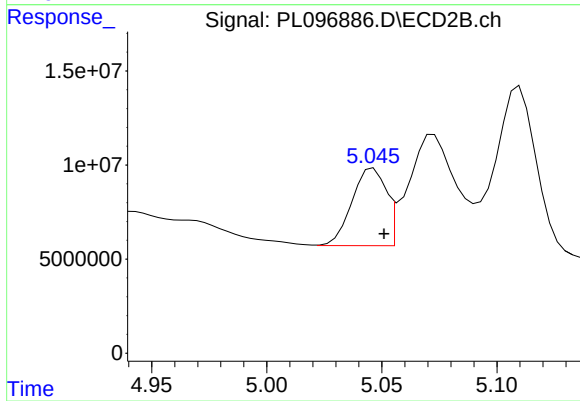
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 59236498
Conc: 12.40 ng/ml



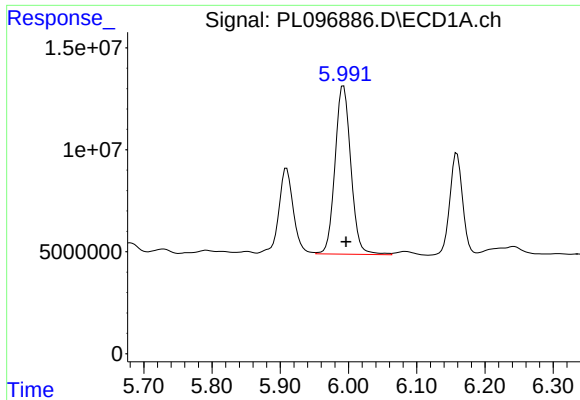
#10 gamma-Chlordane

R.T.: 5.909 min
Delta R.T.: -0.007 min
Response: 60997126
Conc: 16.03 ng/ml



#10 gamma-Chlordane

R.T.: 5.045 min
Delta R.T.: -0.006 min
Response: 41432621
Conc: 7.05 ng/ml m



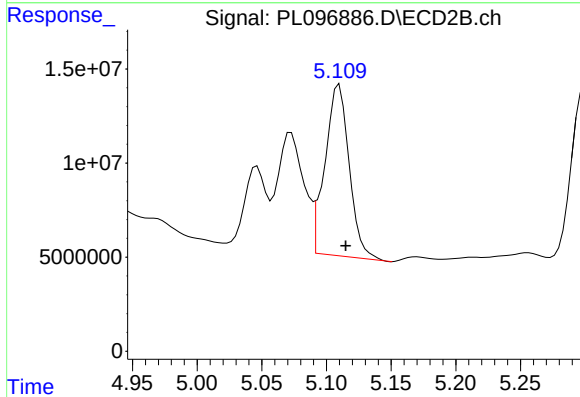
#11 alpha-Chlordane

R.T.: 5.993 min
Delta R.T.: -0.004 min
Response: 133037591
Conc: 34.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

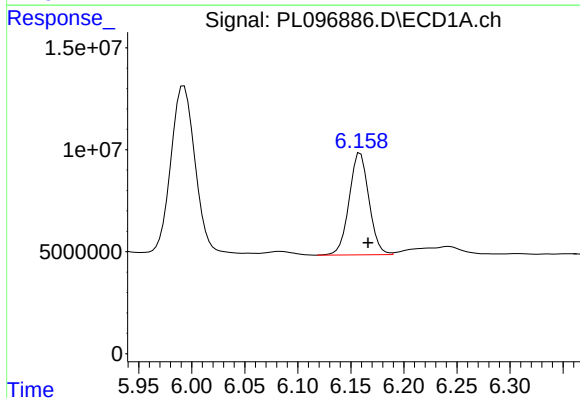
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



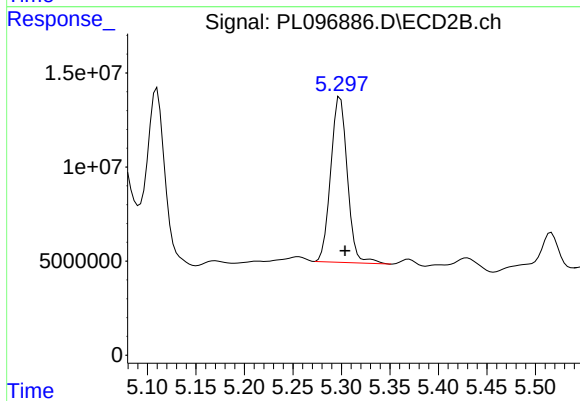
#11 alpha-Chlordane

R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 118539244
Conc: 20.10 ng/ml



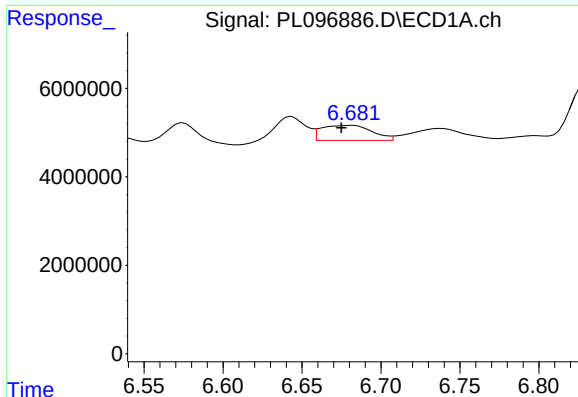
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 64718340
Conc: 20.15 ng/ml



#12 4,4'-DDE

R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 104803924
Conc: 19.01 ng/ml



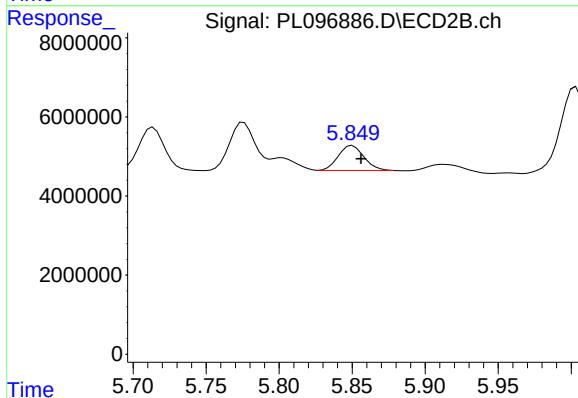
#16 4,4'-DDD

R.T.: 6.681 min
Delta R.T.: 0.006 min
Response: 7450437
Conc: 2.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

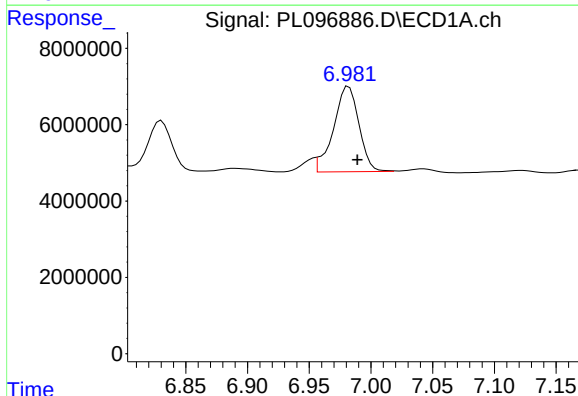
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



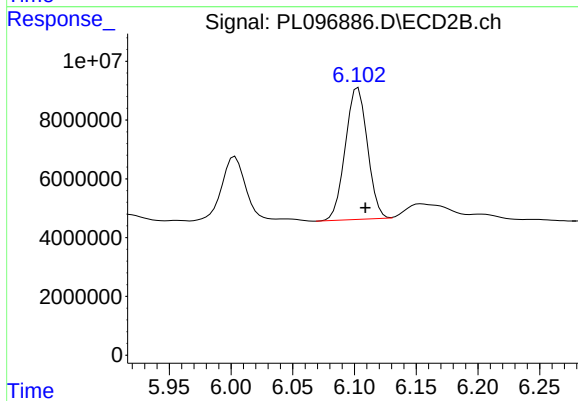
#16 4,4'-DDD

R.T.: 5.849 min
Delta R.T.: -0.007 min
Response: 7731797
Conc: 1.64 ng/ml m



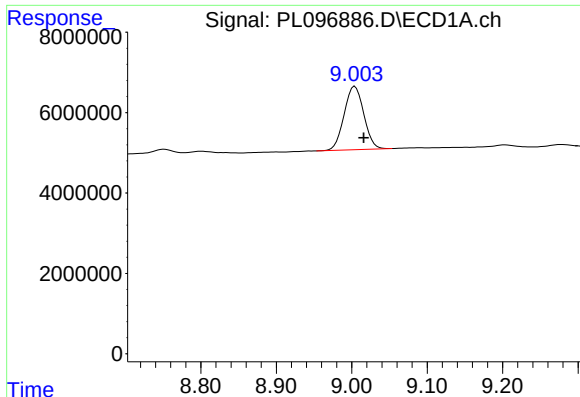
#17 4,4'-DDT

R.T.: 6.981 min
Delta R.T.: -0.009 min
Response: 31694604
Conc: 11.05 ng/ml m



#17 4,4'-DDT

R.T.: 6.103 min
Delta R.T.: -0.006 min
Response: 55807607
Conc: 11.03 ng/ml



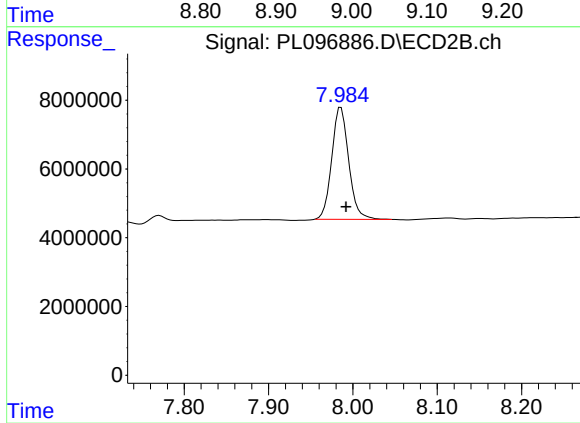
#28 Decachlorobiphenyl

R.T.: 9.003 min
Delta R.T.: -0.013 min
Response: 28561576
Conc: 11.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 45510798
Conc: 10.49 ng/ml



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>NOBI03</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2879</u>
Instrument ID:	<u>ECD_L</u>	Calibration Date(s):	<u>07/28/2025</u> <u>07/28/2025</u>
		Calibration Times:	<u>16:52</u> <u>17:47</u>

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

LAB FILE ID:	RT 100 = <u>PL096596.D</u>	RT 075 = <u>PL096597.D</u>
RT 050 = <u>PL096598.D</u>	RT 025 = <u>PL096599.D</u>	RT 005 = <u>PL096600.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	6.68	6.68	6.68	6.68	6.67	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	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
alpha-BHC	3.98	3.98	3.98	3.98	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	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Dieldrin	6.32	6.32	6.32	6.32	6.32	6.32	6.22	6.42
Endosulfan I	6.04	6.04	6.04	6.04	6.04	6.04	5.94	6.14
Endosulfan II	6.76	6.76	6.76	6.76	6.75	6.75	6.65	6.85
Endosulfan sulfate	7.12	7.12	7.12	7.12	7.12	7.12	7.02	7.22
Endrin	6.54	6.54	6.54	6.54	6.54	6.54	6.44	6.64
Endrin aldehyde	6.88	6.88	6.88	6.88	6.88	6.88	6.78	6.98
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	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Heptachlor epoxide	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Methoxychlor	7.46	7.46	7.46	7.46	7.46	7.46	7.36	7.56
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.53	3.53	3.43	3.63

Contract:	NOBI03	
SDG NO.:	Q2879	
Calibration Date(s):	07/28/2025	07/28/2025
Calibration Times:	16:52	17:47

LAB FILE ID:	RT 100 =	<u>PL096596.D</u>	RT 075 =	<u>PL096597.D</u>	
RT 050 =	PL096598.D	RT 025 =	PL096599.D	RT 005 =	PL096600.D

[illegible]



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_L

Contract: NOBI03
SDG NO.: Q2879

Calibration Date(s): 07/28/2025 07/28/2025
Calibration Times: 16:52 17:47

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

LAB FILE ID:		CF 100 =	<u>PL096596.D</u>	CF 075 =	<u>PL096597.D</u>		
CF 050 =		<u>PL096598.D</u>	CF 025 =	<u>PL096599.D</u>	CF 005 =	<u>PL096600.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2615150000	2542280000	2523890000	2500980000	2459540000	2528370000	2
4,4'-DDE	3382020000	3179740000	3147240000	3113410000	3233830000	3211250000	3
4,4'-DDT	2980050000	2901890000	2884740000	2837350000	2734400000	2867690000	3
Aldrin	4418080000	4273520000	4268380000	4243090000	4301950000	4301000000	2
alpha-BHC	4873630000	4685670000	4645170000	4549100000	4378210000	4626350000	4
alpha-Chlordane	3883510000	3780330000	3801880000	3877780000	3929720000	3854650000	2
beta-BHC	1772460000	1750490000	1781040000	1856990000	1863870000	1804970000	3
Decachlorobiphenyl	2289370000	2250980000	2316430000	2450150000	2616360000	2384660000	6
delta-BHC	4161630000	4012240000	3978460000	3955030000	3841950000	3989860000	3
Dieldrin	3849470000	3737590000	3712880000	3678490000	3577310000	3711150000	3
Endosulfan I	3668500000	3524950000	3536580000	3570970000	3680850000	3596370000	2
Endosulfan II	3069420000	3008630000	3042800000	3175650000	3716720000	3202640000	9
Endosulfan sulfate	2875180000	2814890000	2851640000	2870280000	2956480000	2873690000	2
Endrin	3129990000	2990370000	2986700000	3066080000	2960790000	3026790000	2
Endrin aldehyde	2129160000	2102960000	2124970000	2164420000	2208060000	2145920000	2
Endrin ketone	3023290000	2975820000	3003920000	3029220000	3001370000	3006720000	1
gamma-BHC (Lindane)	4576650000	4410990000	4390520000	4378210000	4360850000	4423440000	2
gamma-Chlordane	3912350000	3800880000	3800750000	3806650000	3705560000	3805240000	2
Heptachlor	4215340000	4096230000	4129500000	4154230000	4183150000	4155690000	1
Heptachlor epoxide	3888140000	3791890000	3847180000	3911860000	3843640000	3856540000	1
Methoxychlor	1449590000	1444460000	1478010000	1507550000	1462160000	1468350000	2
Tetrachloro-m-xylene	3176500000	3106160000	3136600000	3226680000	3257980000	3180780000	2



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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.: Q2879

Calibration Date(s): 07/28/2025 07/28/2025
Calibration Times: 16:52 17:47

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

LAB FILE ID:		CF 100 =	PL096596.D	CF 075 =	PL096597.D		
CF 050 =		PL096598.D	CF 025 =	PL096599.D	CF 005 =	PL096600.D	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	4739770000	4648800000	4693360000	4702740000	4741750000	4705280000	1
4,4'-DDE	5653430000	5561070000	5540610000	5437860000	5379080000	5514410000	2
4,4'-DDT	5212890000	5114220000	5118490000	5045850000	4800030000	5058300000	3
Aldrin	6310530000	6202530000	6230090000	6182780000	6109380000	6207060000	1
alpha-BHC	7308810000	7159610000	7137170000	7045380000	6734230000	7077040000	3
alpha-Chlordane	5806170000	5731520000	5800200000	5896310000	6260360000	5898910000	4
beta-BHC	2740170000	2730810000	2782730000	2873420000	2977360000	2820900000	4
Decachlorobiphenyl	4108230000	4098750000	4223500000	4429960000	4831160000	4338320000	7
delta-BHC	6621180000	6509520000	6495090000	6469880000	6272460000	6473630000	2
Dieldrin	5973840000	5884270000	5897970000	5923090000	5853560000	5906550000	1
Endosulfan I	5357100000	5308830000	5362730000	5541910000	6086480000	5531410000	6
Endosulfan II	5116760000	5062950000	5122660000	5175210000	5203600000	5136240000	1
Endosulfan sulfate	5007540000	4977340000	5062730000	5135950000	5247510000	5086210000	2
Endrin	5415430000	5344790000	5376200000	5344400000	5549010000	5405970000	2
Endrin aldehyde	3589550000	3619430000	3751370000	3952130000	5791870000	4140870000	23
Endrin ketone	5489410000	5439780000	5529300000	5876580000	5513690000	5569750000	3
gamma-BHC (Lindane)	6730030000	6610730000	6634310000	6589530000	6452200000	6603360000	2
gamma-Chlordane	5958660000	5857990000	5898300000	5915340000	5770280000	5880110000	1
Heptachlor	6694450000	6605950000	6658580000	6695280000	6655490000	6661950000	1
Heptachlor epoxide	5706360000	5635230000	5698940000	5730960000	5785230000	5711340000	1
Methoxychlor	2677460000	2673930000	2731560000	2788840000	2830690000	2740500000	3
Tetrachloro-m-xylene	4740810000	4674260000	4731000000	4815490000	4927290000	4777770000	2



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2879
Instrument ID: ECD_L **Date(s) Analyzed:** 07/28/2025 07/28/2025
GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.21	6.11	6.31	29153500
		2	6.61	6.51	6.71	24445000
		3	7.02	6.92	7.12	110273000
		4	7.11	7.01	7.21	81046400
		5	7.89	7.79	7.99	57873100



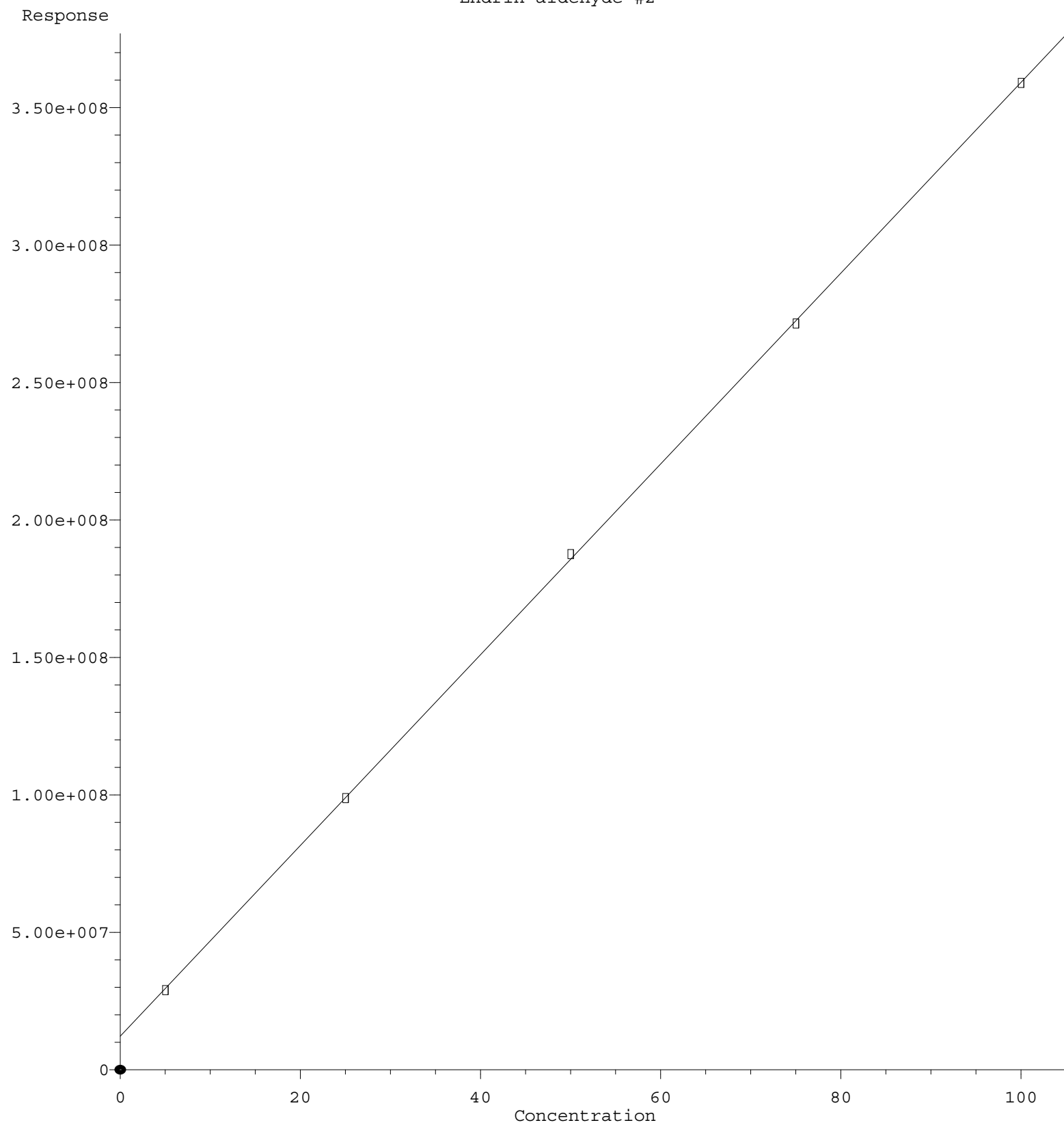
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2879
Instrument ID: ECD_L **Date(s) Analyzed:** 07/28/2025 07/28/2025
GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.07	4.97	5.17	34047600
		2	5.76	5.66	5.86	44078700
		3	6.04	5.94	6.14	44632800
		4	6.67	6.57	6.77	147063000
		5	7.11	7.01	7.21	92006100

Endrin aldehyde #2



Response = 3.469e+006 * Amt + 1.224e+007
Coef of Det (r^2) = 0.999929 Curve Fit: Linear
Method Name: Z:\pestpcbsrv\HPCHEM1\ECD L\methods\PL072825.M
Calibration Table Last Updated: Fri Aug 08 15:43:38 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
 Data File : PL096596.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 16:52
 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 29 07:44:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 07:36:56 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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	317.6E6	474.1E6	101.272	100.207
2)	SA Decachlor...	9.015	7.992	228.9E6	410.8E6	98.832	97.271
Target Compounds							
2)	A alpha-BHC	3.983	3.333	487.4E6	730.9E6	104.918	102.405
3)	MA gamma-BHC...	4.311	3.665	457.7E6	673.0E6	104.239	101.443
4)	MA Heptachlor	4.903	4.014	421.5E6	669.4E6	102.079	100.539
5)	MB Aldrin	5.243	4.297	441.8E6	631.1E6	103.507	101.291
6)	B beta-BHC	4.497	3.962	177.2E6	274.0E6	99.519	98.471
7)	B delta-BHC	4.743	4.195	416.2E6	662.1E6	104.604	101.941
8)	B Heptachlo...	5.663	4.799	388.8E6	570.6E6	101.065	100.130
9)	A Endosulfan I	6.044	5.170	366.8E6	535.7E6	103.730	99.895
10)	B gamma-Chl...	5.916	5.051	391.2E6	595.9E6	102.936	101.023
11)	B alpha-Chl...	5.997	5.115	388.4E6	580.6E6	102.147	100.103
12)	B 4,4'-DDE	6.167	5.304	338.2E6	565.3E6	107.460	102.036
13)	MA Dieldrin	6.316	5.435	384.9E6	597.4E6	103.679	101.286
14)	MA Endrin	6.543	5.709	313.0E6	541.5E6	104.797	100.730
15)	B Endosulfa...	6.755	6.001	306.9E6	511.7E6	100.875	99.885
16)	A 4,4'-DDD	6.676	5.857	261.5E6	474.0E6	103.616	100.989
17)	MA 4,4'-DDT	6.989	6.109	298.0E6	521.3E6	103.304	101.844
18)	B Endrin al...	6.883	6.179	212.9E6	359.0E6	100.197	95.686
19)	B Endosulfa...	7.118	6.403	287.5E6	500.8E6	100.826	98.910
20)	A Methoxychlor	7.462	6.681	145.0E6	267.7E6	98.077	98.019
21)	B Endrin ke...	7.597	6.907	302.3E6	548.9E6	100.645	99.278
22)	Mirex	8.076	7.098	237.9E6	412.0E6	97.547	96.837

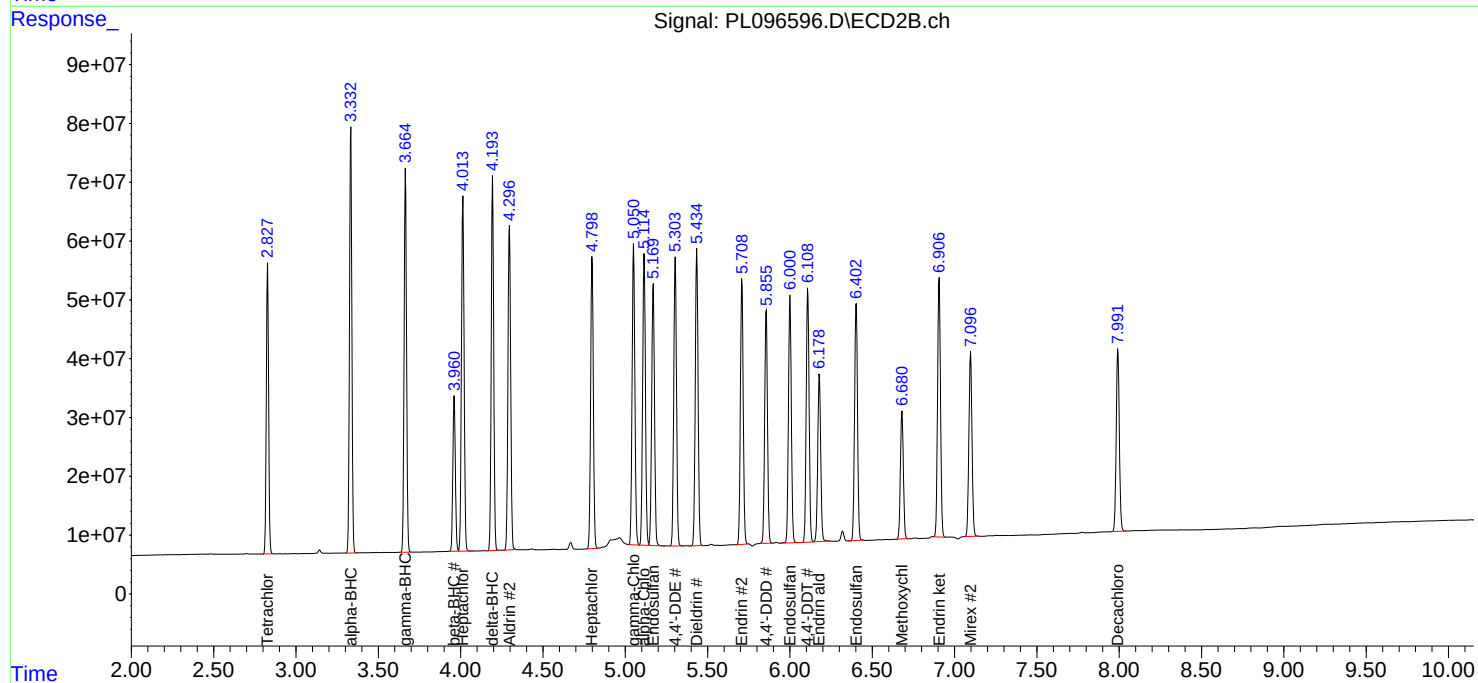
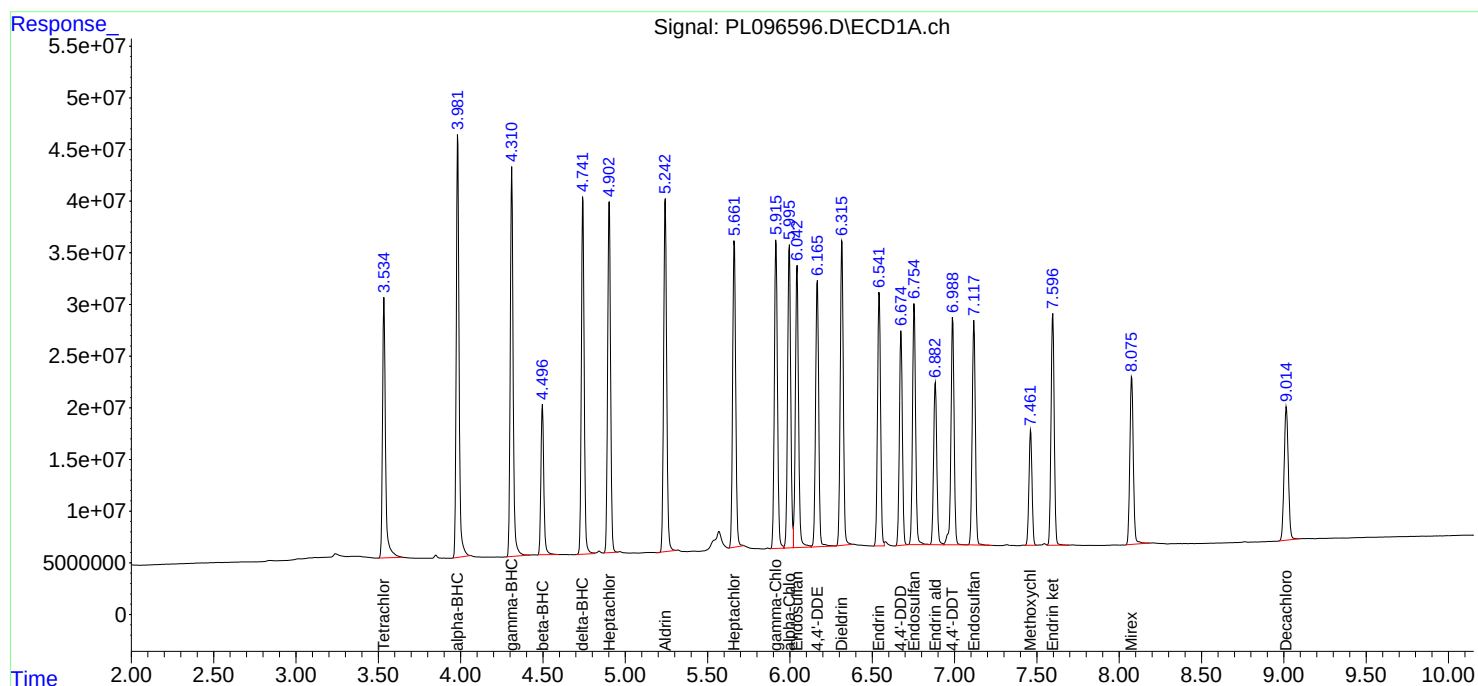
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

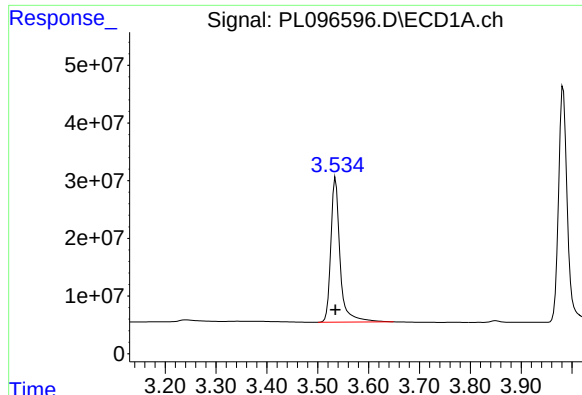
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:52
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 07:44:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

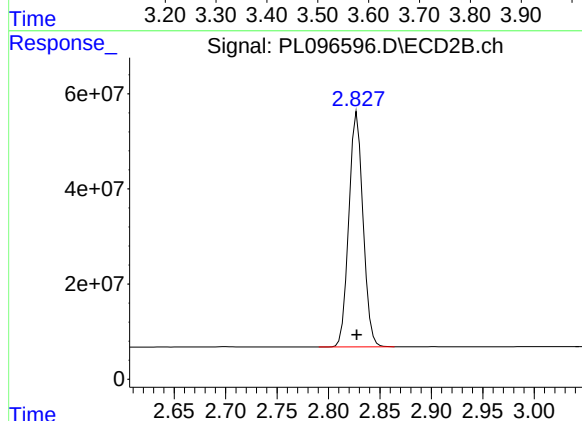




#1 Tetrachloro-m-xylene

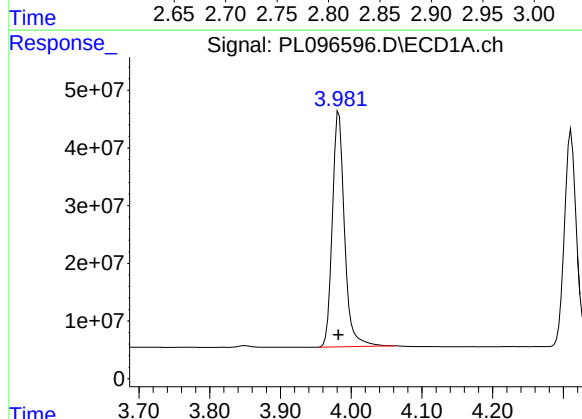
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 317649612
Conc: 101.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



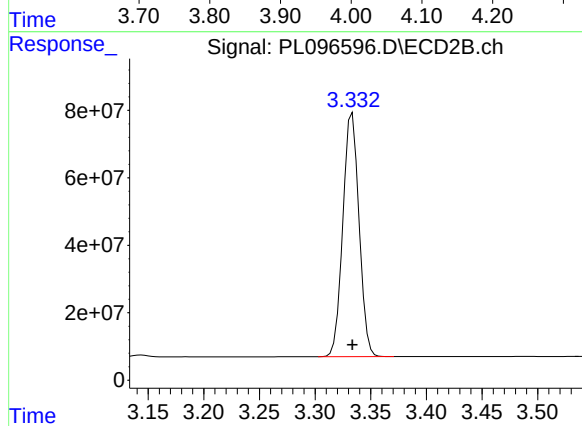
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 474080616
Conc: 100.21 ng/ml



#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 487363323
Conc: 104.92 ng/ml



#2 alpha-BHC

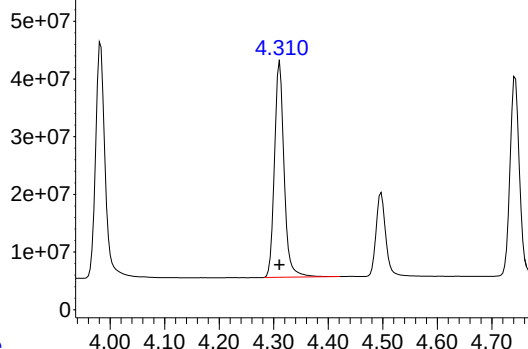
R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 730880517
Conc: 102.40 ng/ml

Response_

Signal: PL096596.D\ECD1A.ch

#3 gamma-BHC (Lindane)

ICAL Form



R.T.: 4.311 min
Delta R.T.: 0.000 min
Response: 457665420
Conc: 104.24 ng/ml

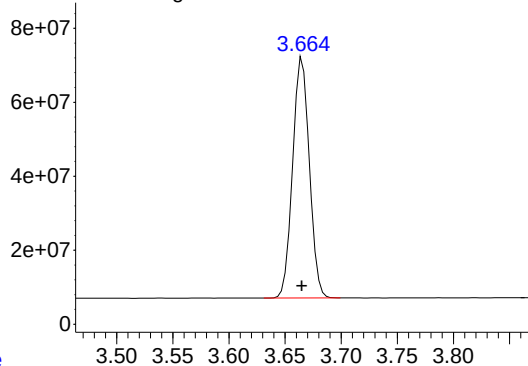
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PL096596.D\ECD2B.ch

#3 gamma-BHC (Lindane)



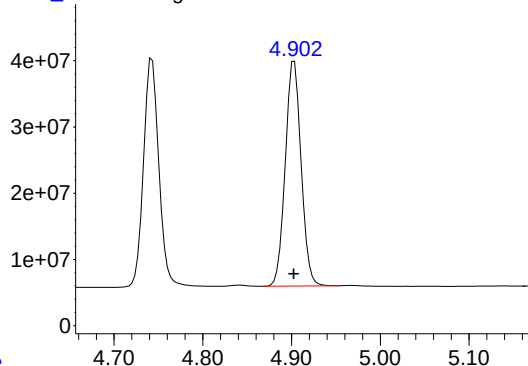
R.T.: 3.665 min
Delta R.T.: 0.000 min
Response: 673002560
Conc: 101.44 ng/ml

Time

Response_

Signal: PL096596.D\ECD1A.ch

#4 Heptachlor



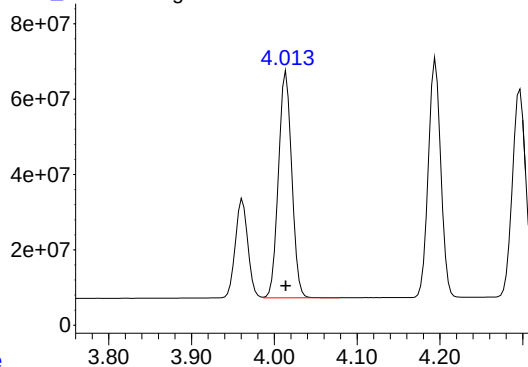
R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 421533951
Conc: 102.08 ng/ml

Time

Response_

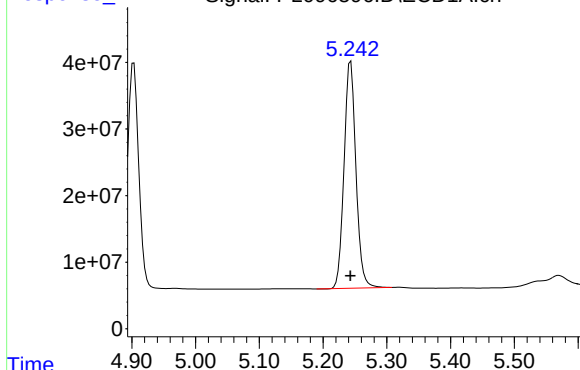
Signal: PL096596.D\ECD2B.ch

#4 Heptachlor



R.T.: 4.014 min
Delta R.T.: 0.000 min
Response: 669445389
Conc: 100.54 ng/ml

Time



R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 441807820
Conc: 103.51 ng/ml

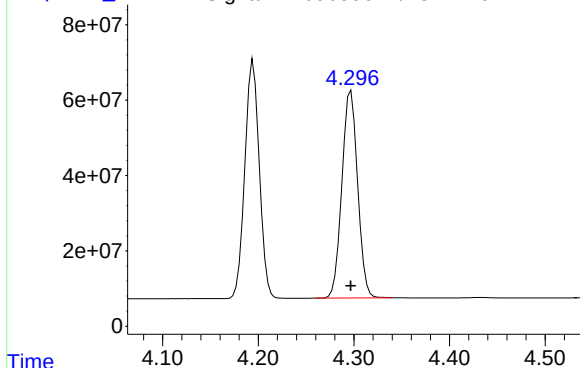
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PL096596.D\ECD2B.ch

#5 Aldrin



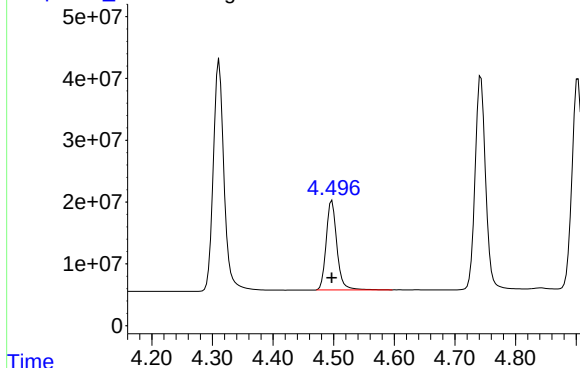
R.T.: 4.297 min
Delta R.T.: 0.000 min
Response: 631053302
Conc: 101.29 ng/ml

Time

Response_

Signal: PL096596.D\ECD1A.ch

#6 beta-BHC



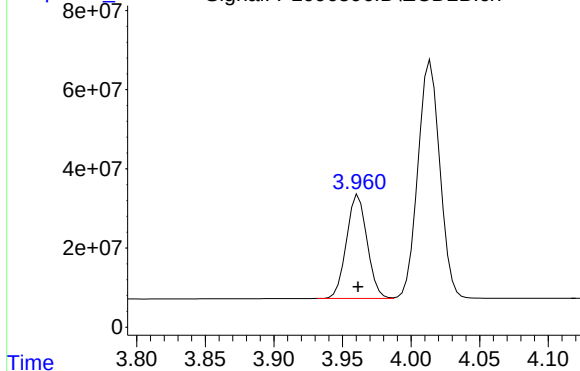
R.T.: 4.497 min
Delta R.T.: 0.000 min
Response: 177246384
Conc: 99.52 ng/ml

Time

Response_

Signal: PL096596.D\ECD2B.ch

#6 beta-BHC



R.T.: 3.962 min
Delta R.T.: 0.000 min
Response: 274017290
Conc: 98.47 ng/ml

Time

Response_ Signal: PL096596.D\ECD1A.ch

#7 delta-BHC

R.T.: 4.743 min
Delta R.T.: 0.000 min
Response: 416162516
Conc: 104.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Time

Response_ Signal: PL096596.D\ECD2B.ch

#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 662118416
Conc: 101.94 ng/ml

Time

Response_ Signal: PL096596.D\ECD1A.ch

#8 Heptachlor epoxide

R.T.: 5.663 min
Delta R.T.: 0.000 min
Response: 388813747
Conc: 101.06 ng/ml

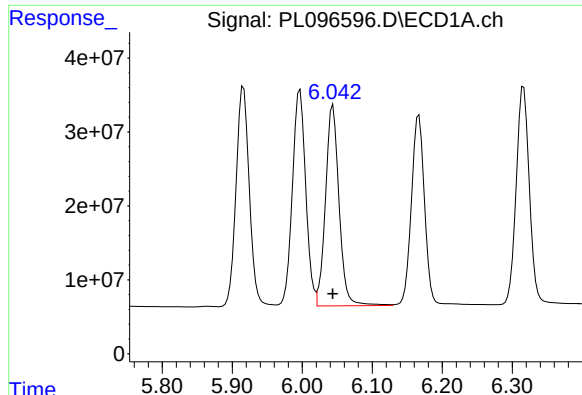
Time

Response_ Signal: PL096596.D\ECD2B.ch

#8 Heptachlor epoxide

R.T.: 4.799 min
Delta R.T.: 0.000 min
Response: 570635747
Conc: 100.13 ng/ml

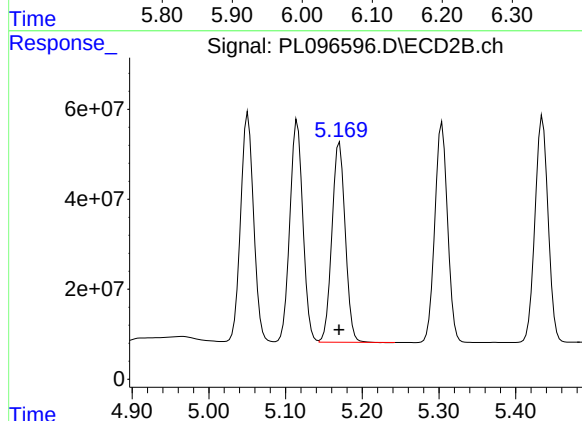
Time



#9 Endosulfan I

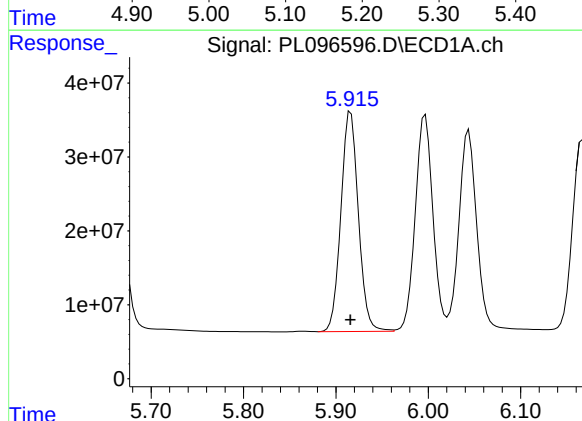
R.T.: 6.044 min
Delta R.T.: 0.000 min
Response: 366849911
Conc: 103.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



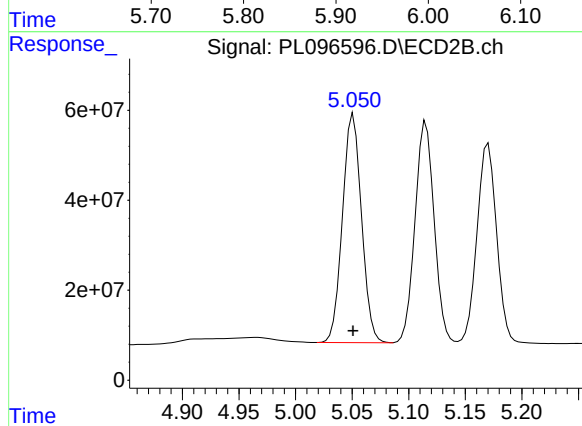
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: 0.000 min
Response: 535710057
Conc: 99.90 ng/ml



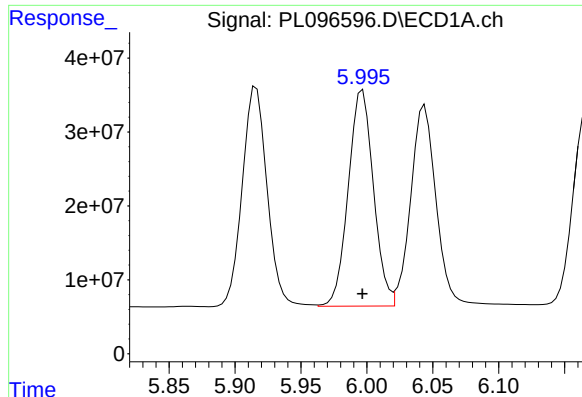
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 391234530
Conc: 102.94 ng/ml



#10 gamma-Chlordane

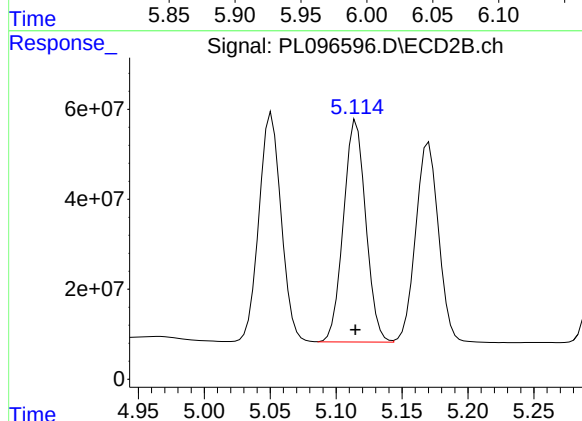
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 595865751
Conc: 101.02 ng/ml



#11 alpha-Chlordane

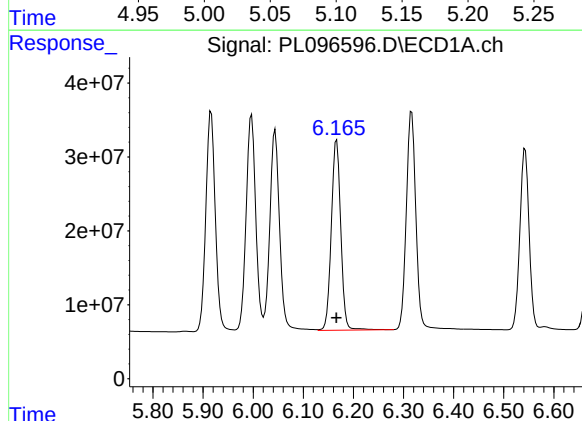
R.T.: 5.997 min
Delta R.T.: 0.000 min
Response: 388351267
Conc: 102.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



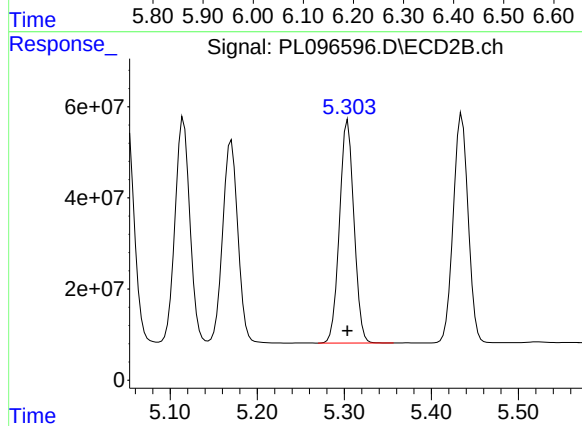
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 580616706
Conc: 100.10 ng/ml



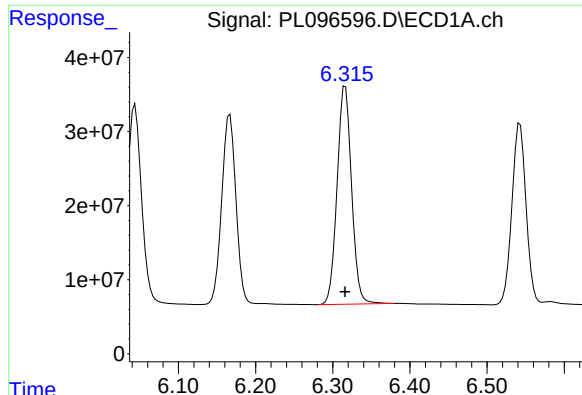
#12 4,4'-DDE

R.T.: 6.167 min
Delta R.T.: 0.000 min
Response: 338202440
Conc: 107.46 ng/ml



#12 4,4'-DDE

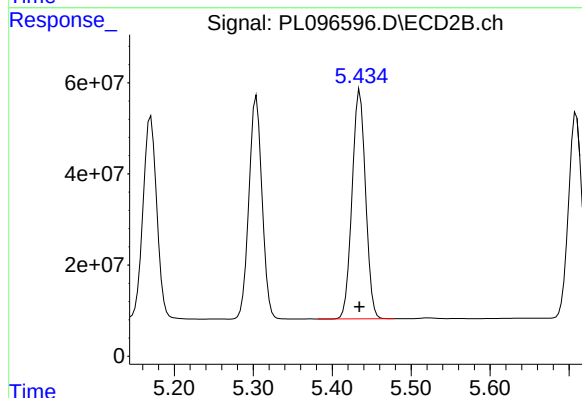
R.T.: 5.304 min
Delta R.T.: 0.000 min
Response: 565343423
Conc: 102.04 ng/ml



#13 Dieldrin

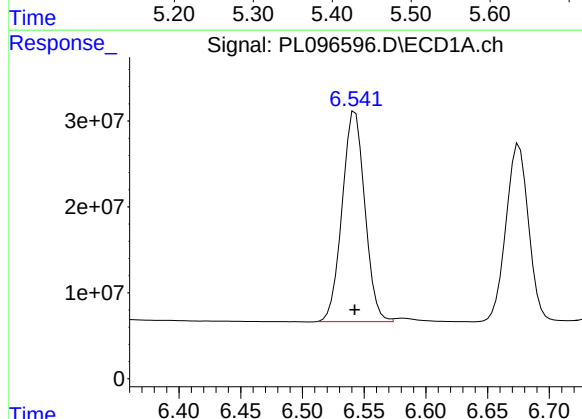
R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 384947334
Conc: 103.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



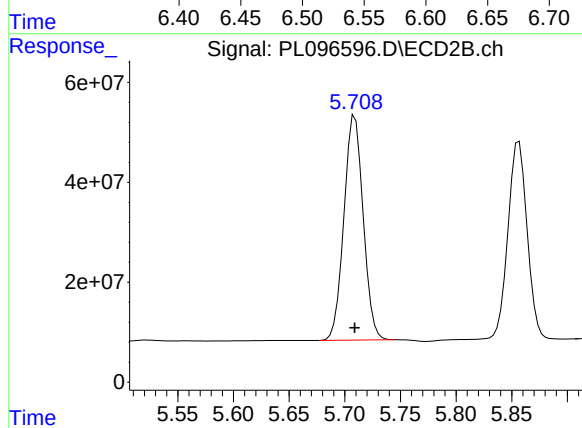
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: 0.000 min
Response: 597384135
Conc: 101.29 ng/ml



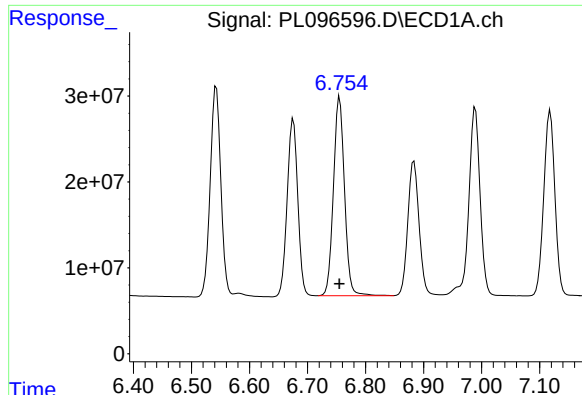
#14 Endrin

R.T.: 6.543 min
Delta R.T.: 0.000 min
Response: 312998820
Conc: 104.80 ng/ml



#14 Endrin

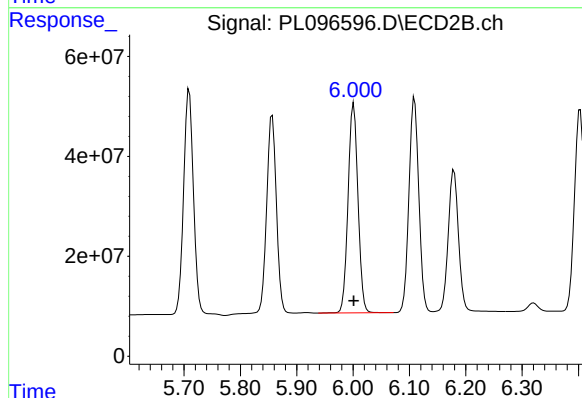
R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 541542527
Conc: 100.73 ng/ml



#15 Endosulfan II

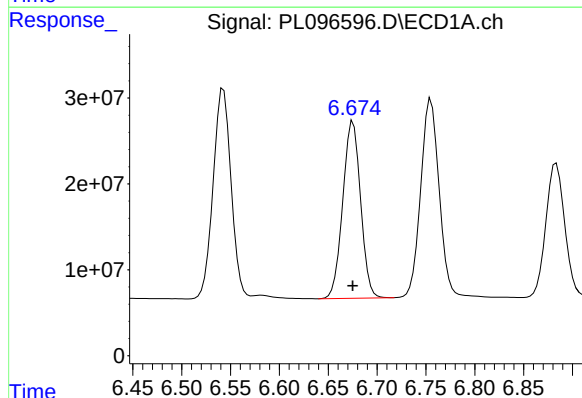
R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 306942268
Conc: 100.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



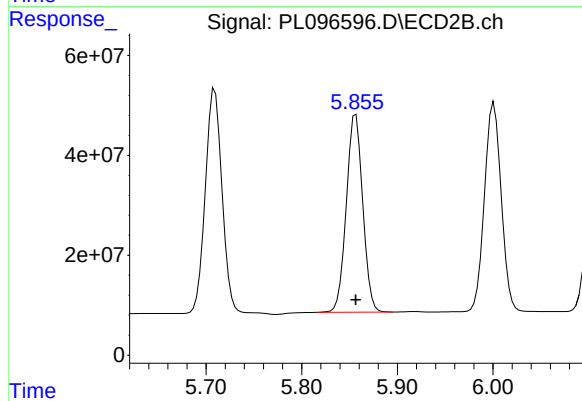
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: 0.000 min
Response: 511675779
Conc: 99.88 ng/ml



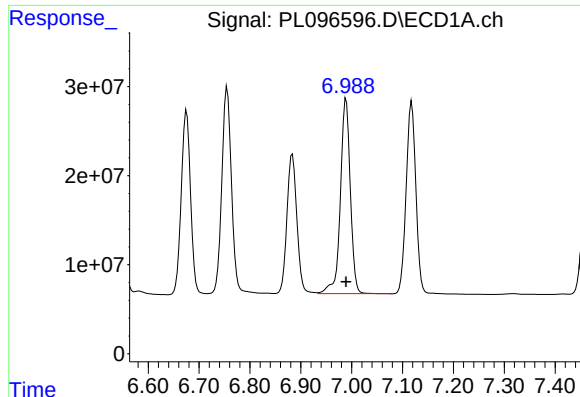
#16 4,4'-DDD

R.T.: 6.676 min
Delta R.T.: 0.000 min
Response: 261514558
Conc: 103.62 ng/ml



#16 4,4'-DDD

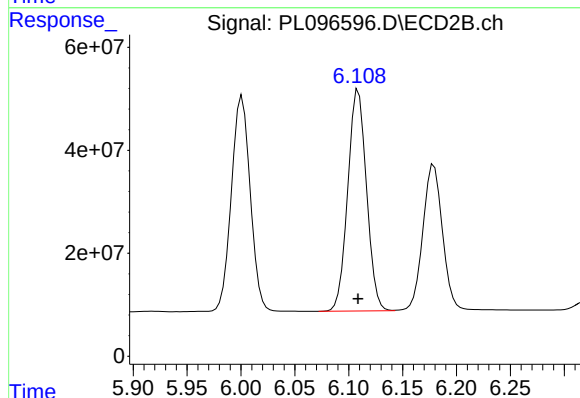
R.T.: 5.857 min
Delta R.T.: 0.000 min
Response: 473976803
Conc: 100.99 ng/ml



#17 4,4'-DDT

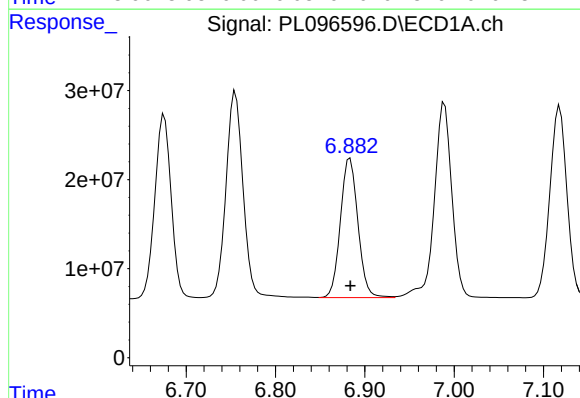
R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 298004870
Conc: 103.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



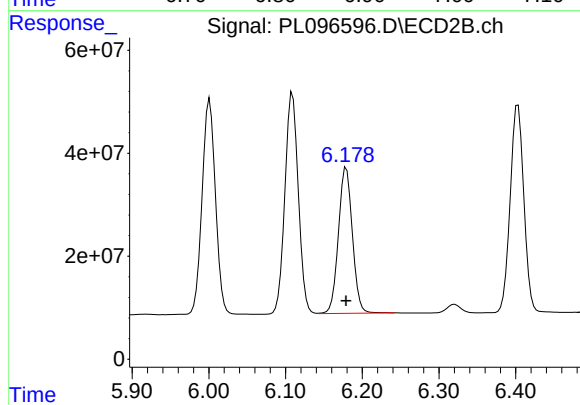
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 521289312
Conc: 101.84 ng/ml



#18 Endrin aldehyde

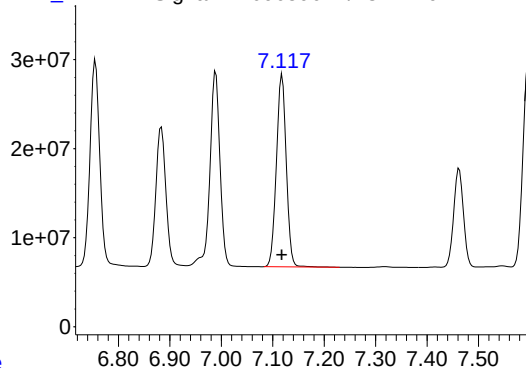
R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 212916204
Conc: 100.20 ng/ml



#18 Endrin aldehyde

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 358954906
Conc: 95.69 ng/ml

Response_ Signal: PL096596.D\ECD1A.ch

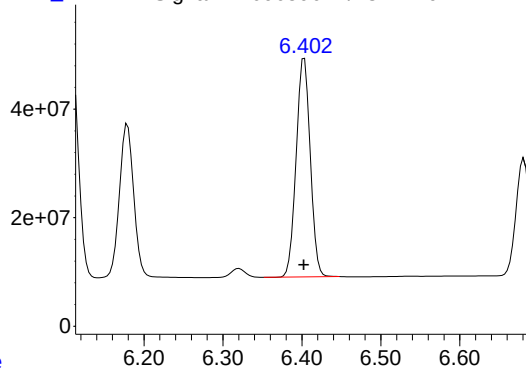


#19 Endosulfan Sulfate

R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 287518219
Conc: 100.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

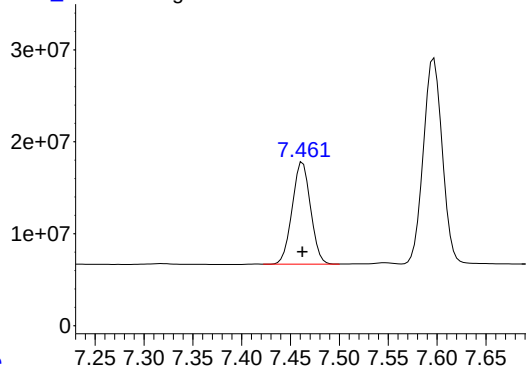
Time Response_ Signal: PL096596.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: 0.000 min
Response: 500753542
Conc: 98.91 ng/ml

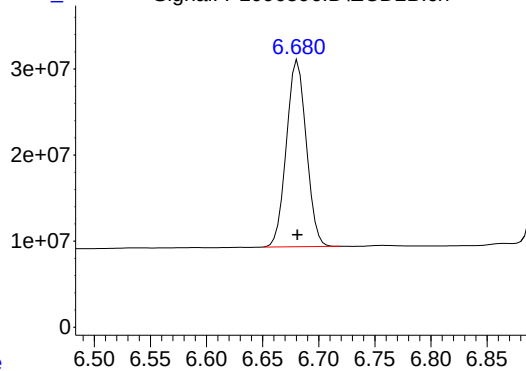
Time Response_ Signal: PL096596.D\ECD1A.ch



#20 Methoxychlor

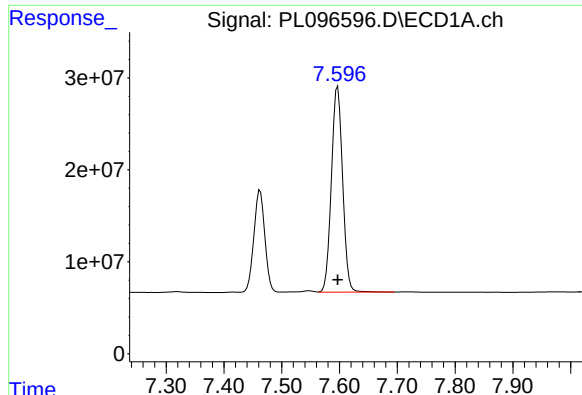
R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 144959027
Conc: 98.08 ng/ml

Time Response_ Signal: PL096596.D\ECD2B.ch



#20 Methoxychlor

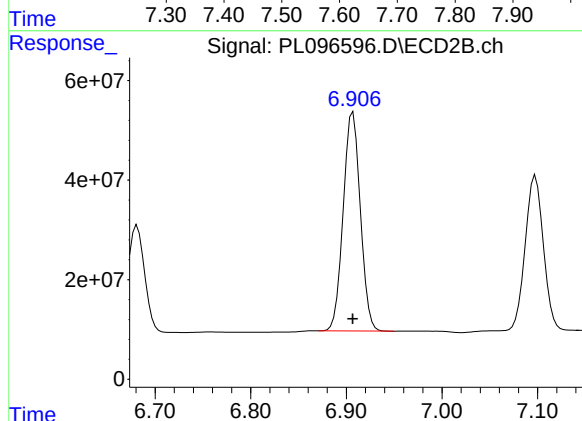
R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 267745710
Conc: 98.02 ng/ml



#21 Endrin ketone

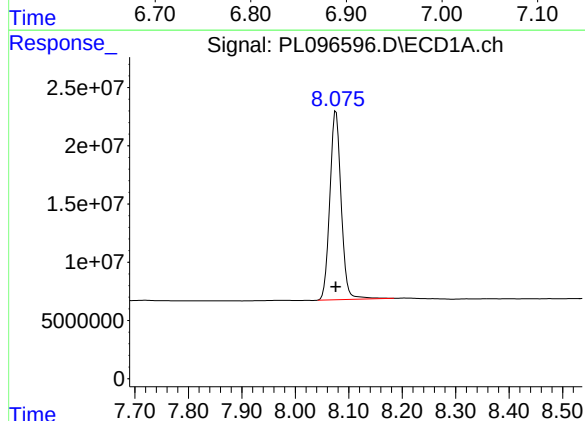
R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 302328647
Conc: 100.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



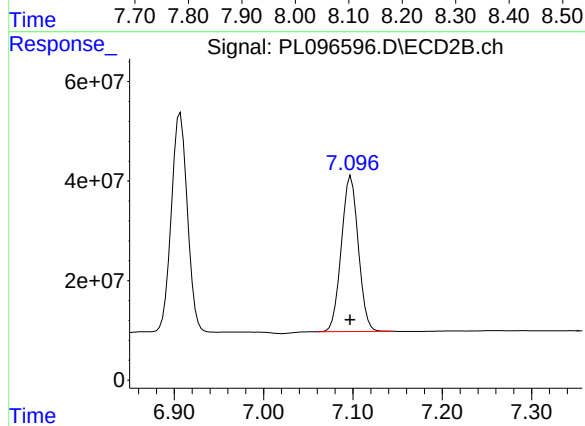
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 548940584
Conc: 99.28 ng/ml



#22 Mirex

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 237884655
Conc: 97.55 ng/ml



#22 Mirex

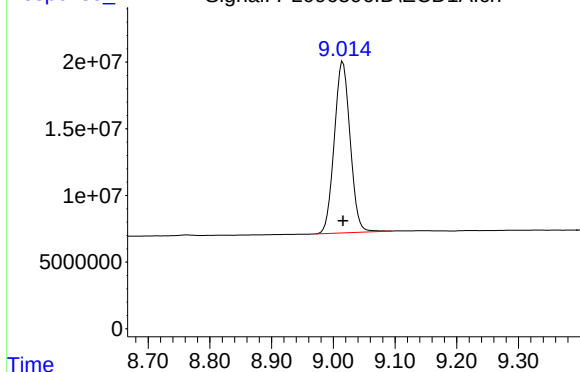
R.T.: 7.098 min
Delta R.T.: 0.001 min
Response: 411955568
Conc: 96.84 ng/ml

Response_

Signal: PL096596.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 9.015 min
Delta R.T.: 0.000 min
Response: 228937183
Conc: 98.83 ng/ml

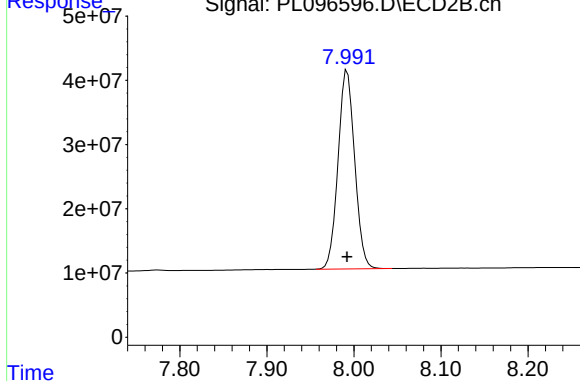
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Time

Response

Signal: PL096596.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 410823200
Conc: 97.27 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
 Data File : PL096597.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 17:06
 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 29 07:45:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 07:36:56 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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	233.0E6	350.6E6	74.272	74.101
28)	SA Decachlor...	9.016	7.992	168.8E6	307.4E6	72.881	72.785
Target Compounds							
2)	A alpha-BHC	3.983	3.334	351.4E6	537.0E6	75.654	75.236
3)	MA gamma-BHC...	4.311	3.665	330.8E6	495.8E6	75.350	74.733
4)	MA Heptachlor	4.903	4.014	307.2E6	495.4E6	74.396	74.407
5)	MB Aldrin	5.243	4.297	320.5E6	465.2E6	75.090	74.668
6)	B beta-BHC	4.497	3.961	131.3E6	204.8E6	73.714	73.601
7)	B delta-BHC	4.743	4.195	300.9E6	488.2E6	75.637	75.167
8)	B Heptachlo...	5.662	4.799	284.4E6	422.6E6	73.922	74.162
9)	A Endosulfan I	6.044	5.170	264.4E6	398.2E6	74.753	74.246
10)	B gamma-Chl...	5.916	5.051	285.1E6	439.3E6	75.003	74.487
11)	B alpha-Chl...	5.996	5.115	283.5E6	429.9E6	74.575	74.112
12)	B 4,4'-DDE	6.167	5.304	238.5E6	417.1E6	75.774	75.277
13)	MA Dieldrin	6.316	5.435	280.3E6	441.3E6	75.499	74.826
14)	MA Endrin	6.543	5.709	224.3E6	400.9E6	75.092	74.562
15)	B Endosulfa...	6.755	6.001	225.6E6	379.7E6	74.158	74.126
16)	A 4,4'-DDD	6.675	5.857	190.7E6	348.7E6	75.547	74.288
17)	MA 4,4'-DDT	6.990	6.109	217.6E6	383.6E6	75.446	74.937
18)	B Endrin al...	6.884	6.179	157.7E6	271.5E6	74.223	72.362
19)	B Endosulfa...	7.118	6.403	211.1E6	373.3E6	74.033	73.735
20)	A Methoxychlor	7.462	6.681	108.3E6	200.5E6	73.298	73.418
21)	B Endrin ke...	7.597	6.907	223.2E6	408.0E6	74.299	73.786
22)	Mirex	8.076	7.098	177.1E6	309.7E6	72.625	72.793

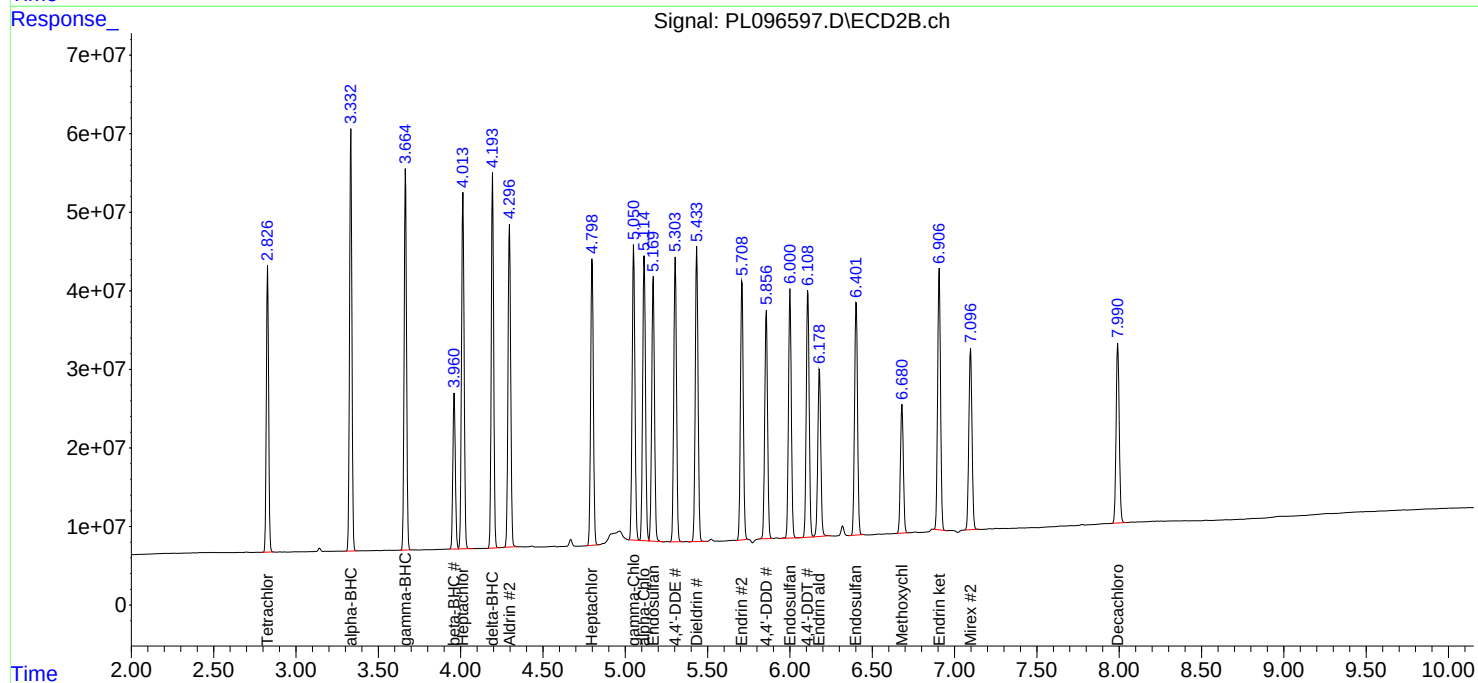
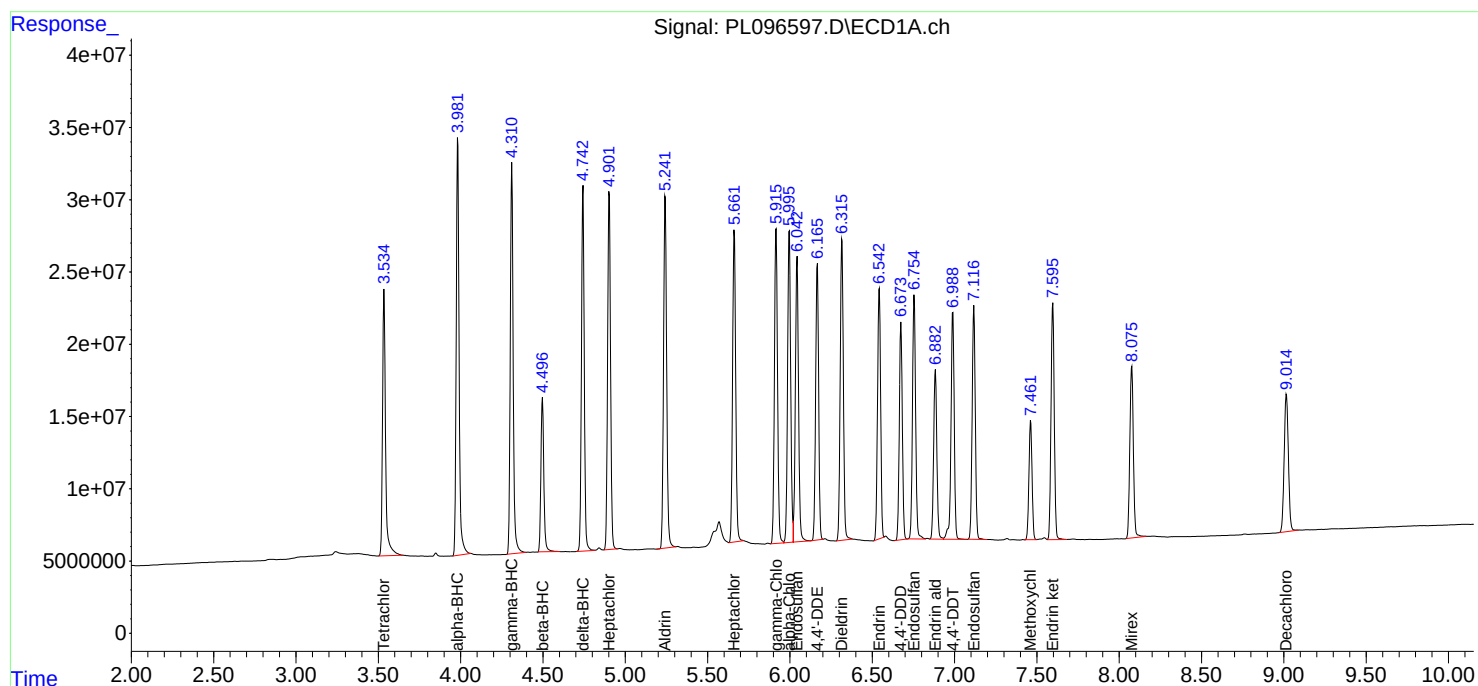
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

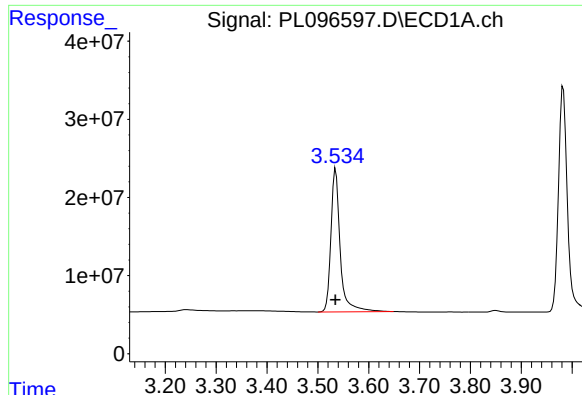
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096597.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:06
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 07:45:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

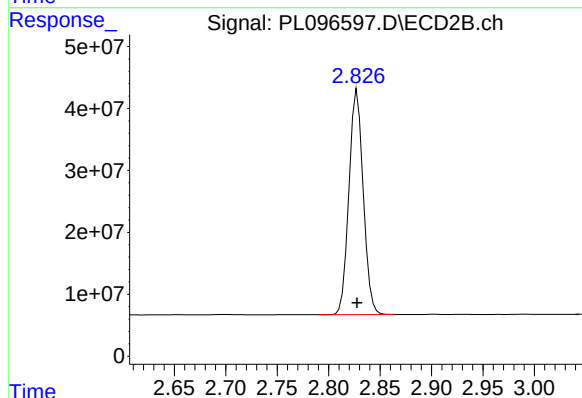




#1 Tetrachloro-m-xylene

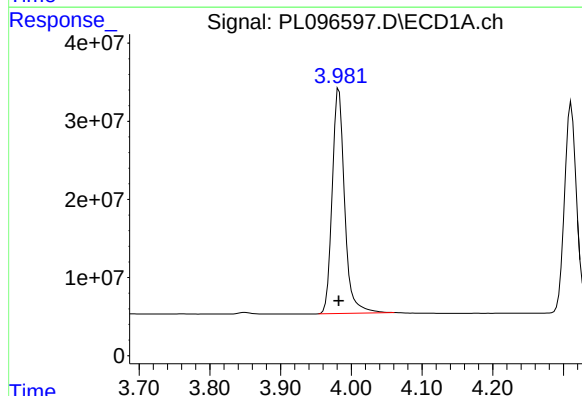
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 232961822
Conc: 74.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



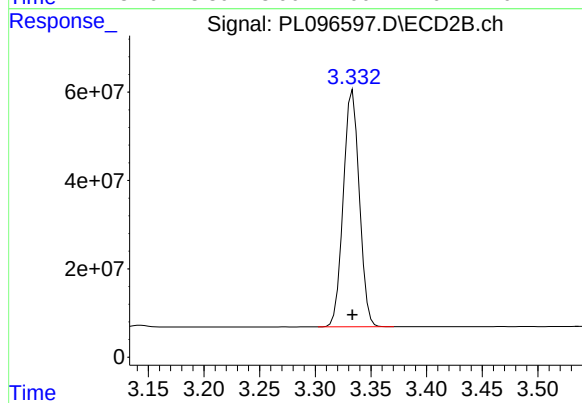
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 350569391
Conc: 74.10 ng/ml



#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 351424905
Conc: 75.65 ng/ml



#2 alpha-BHC

R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 536970875
Conc: 75.24 ng/ml

Response_ Signal: PL096597.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.311 min
Delta R.T.: 0.000 min
Response: 330824316
Conc: 75.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Time

Response_ Signal: PL096597.D\ECD2B.ch

#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: 0.000 min
Response: 495804891
Conc: 74.73 ng/ml

Time

Response_ Signal: PL096597.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 307217245
Conc: 74.40 ng/ml

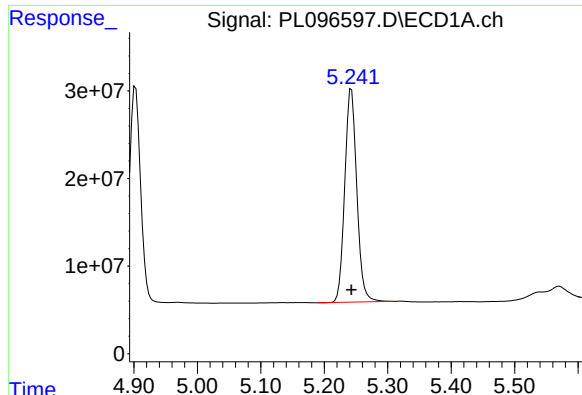
Time

Response_ Signal: PL096597.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.014 min
Delta R.T.: 0.000 min
Response: 495446498
Conc: 74.41 ng/ml

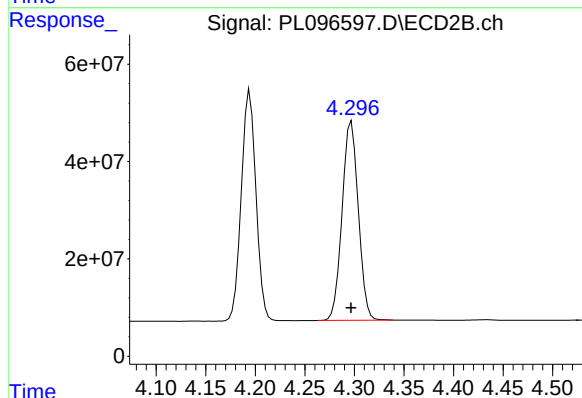
Time



#5 Aldrin

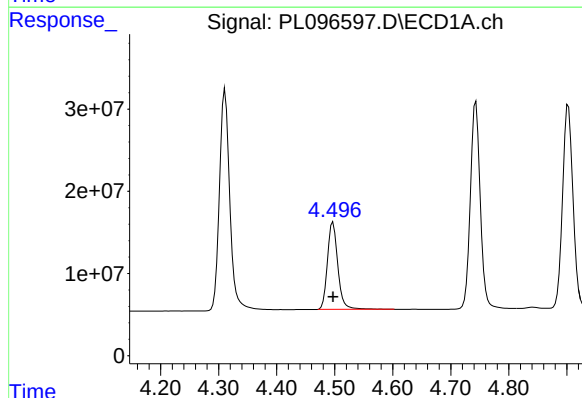
R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 320513876
Conc: 75.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



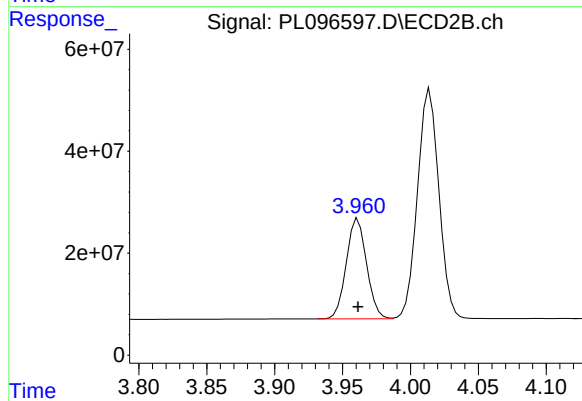
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: 0.000 min
Response: 465189508
Conc: 74.67 ng/ml



#6 beta-BHC

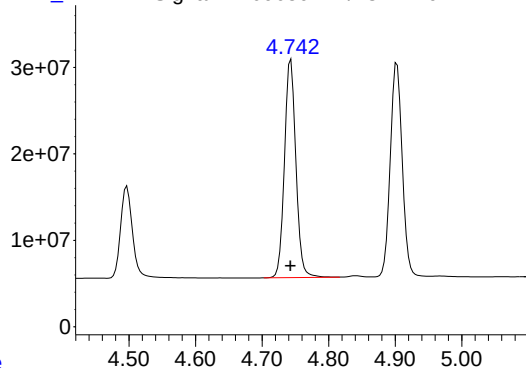
R.T.: 4.497 min
Delta R.T.: 0.000 min
Response: 131286587
Conc: 73.71 ng/ml



#6 beta-BHC

R.T.: 3.961 min
Delta R.T.: 0.000 min
Response: 204810930
Conc: 73.60 ng/ml

Response_ Signal: PL096597.D\ECD1A.ch

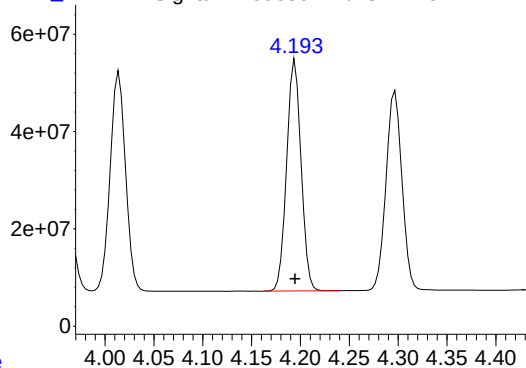


#7 delta-BHC

R.T.: 4.743 min
Delta R.T.: 0.000 min
Response: 300917635
Conc: 75.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

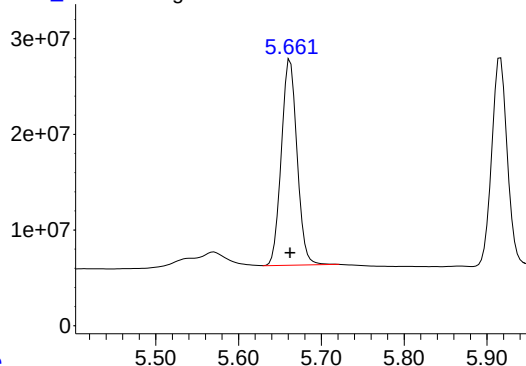
Time Response_ Signal: PL096597.D\ECD2B.ch



#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 488213801
Conc: 75.17 ng/ml

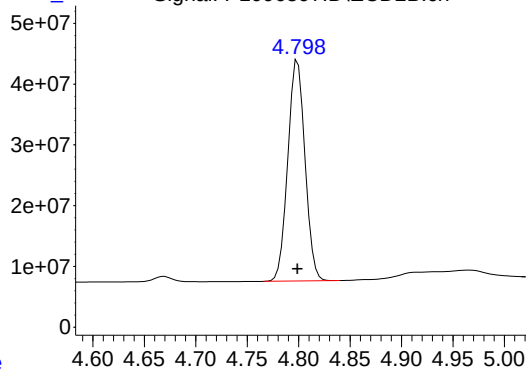
Time Response_ Signal: PL096597.D\ECD1A.ch



#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: 0.000 min
Response: 284391514
Conc: 73.92 ng/ml

Time Response_ Signal: PL096597.D\ECD2B.ch



#8 Heptachlor epoxide

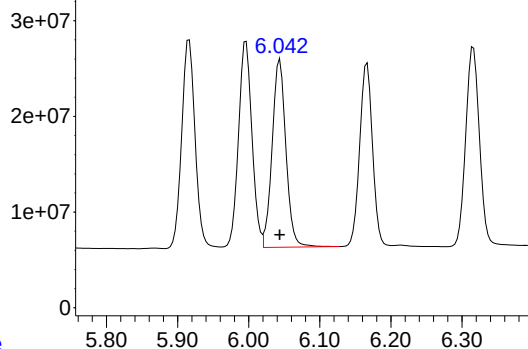
R.T.: 4.799 min
Delta R.T.: 0.000 min
Response: 422642097
Conc: 74.16 ng/ml

Response_

Signal: PL096597.D\ECD1A.ch

#9 Endosulfan I

ICAL Form



R.T.: 6.044 min
Delta R.T.: 0.000 min
Response: 264371314
Conc: 74.75 ng/ml

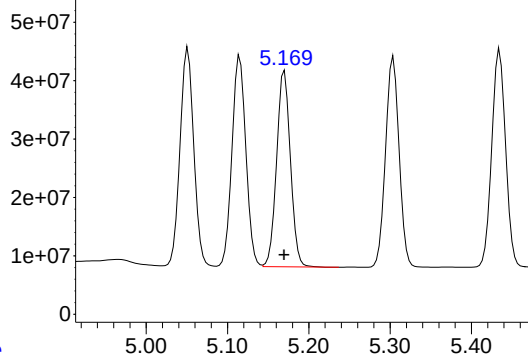
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PL096597.D\ECD2B.ch

#9 Endosulfan I



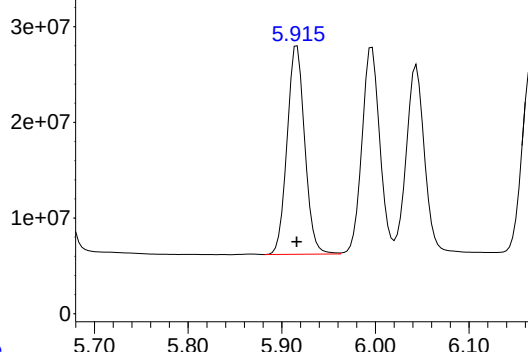
R.T.: 5.170 min
Delta R.T.: 0.000 min
Response: 398162363
Conc: 74.25 ng/ml

Time

Response_

Signal: PL096597.D\ECD1A.ch

#10 gamma-Chlordane



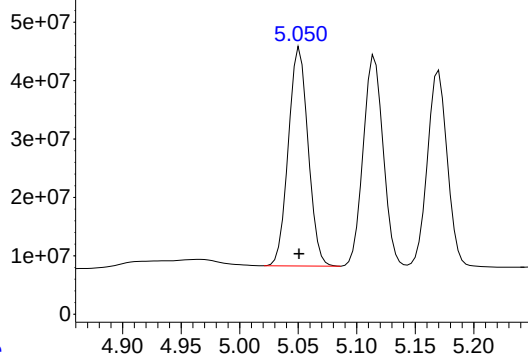
R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 285066035
Conc: 75.00 ng/ml

Time

Response_

Signal: PL096597.D\ECD2B.ch

#10 gamma-Chlordane



R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 439349234
Conc: 74.49 ng/ml

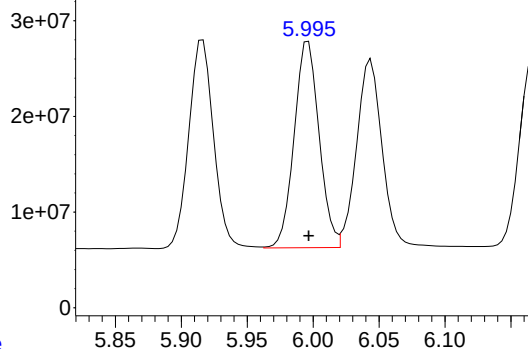
Time

Response_

Signal: PL096597.D\ECD1A.ch

#11 alpha-Chlordane

ICAL Form



R.T.: 5.996 min
Delta R.T.: 0.000 min
Response: 283525040
Conc: 74.57 ng/ml

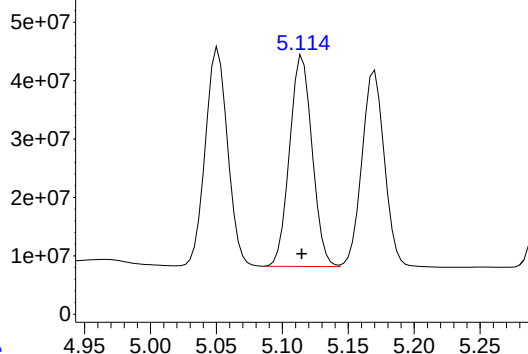
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PL096597.D\ECD2B.ch

#11 alpha-Chlordane



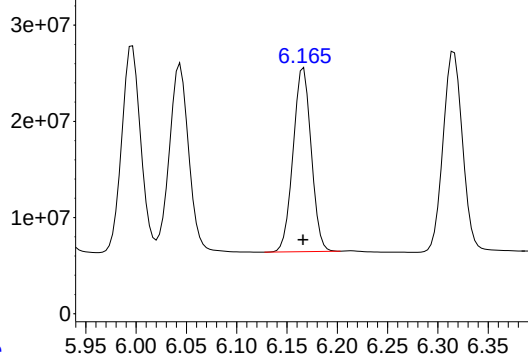
R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 429864118
Conc: 74.11 ng/ml

Time

Response_

Signal: PL096597.D\ECD1A.ch

#12 4,4'-DDE



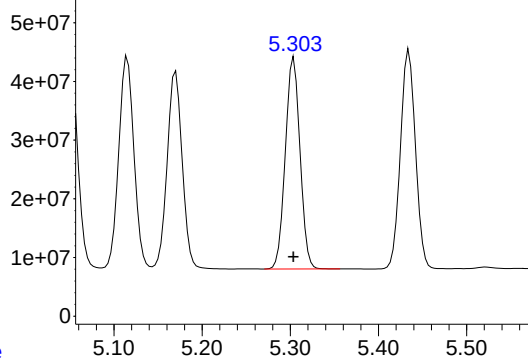
R.T.: 6.167 min
Delta R.T.: 0.000 min
Response: 238480667
Conc: 75.77 ng/ml

Time

Response_

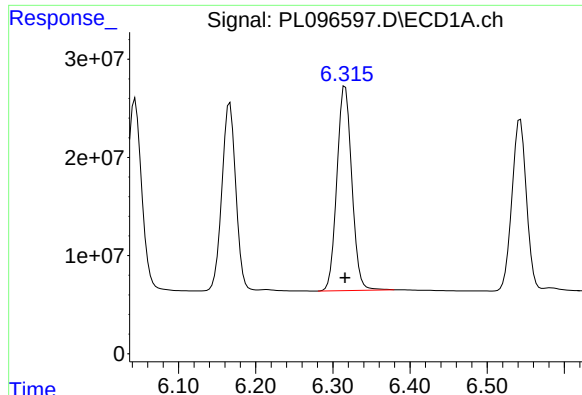
Signal: PL096597.D\ECD2B.ch

#12 4,4'-DDE



R.T.: 5.304 min
Delta R.T.: 0.000 min
Response: 417080341
Conc: 75.28 ng/ml

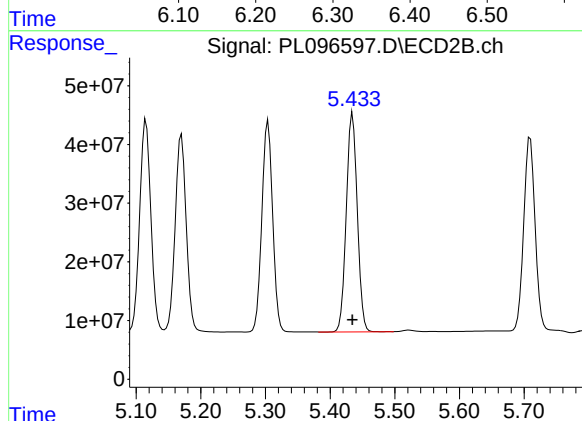
Time



#13 Dieldrin

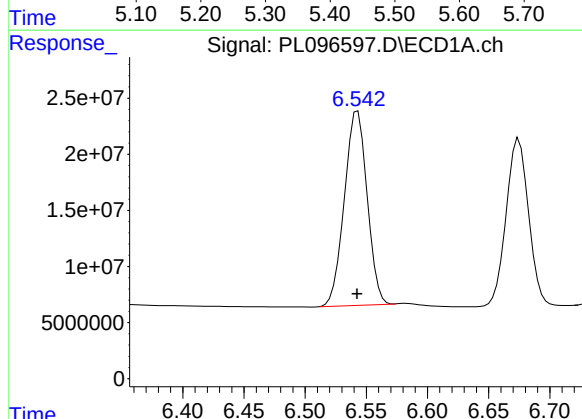
R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 280319278
Conc: 75.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



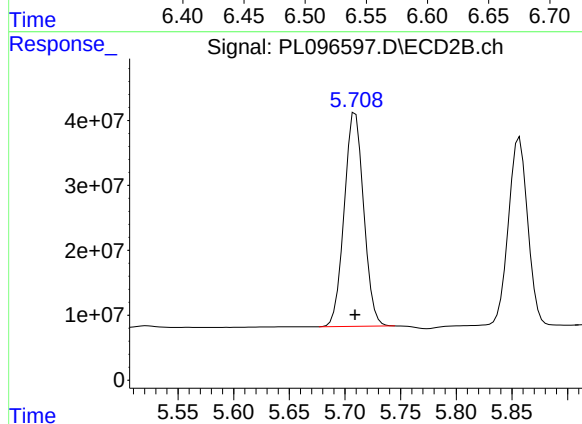
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: 0.000 min
Response: 441320179
Conc: 74.83 ng/ml



#14 Endrin

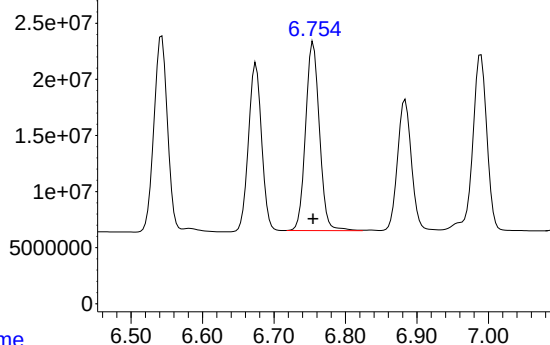
R.T.: 6.543 min
Delta R.T.: 0.000 min
Response: 224278091
Conc: 75.09 ng/ml



#14 Endrin

R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 400859370
Conc: 74.56 ng/ml

Response_ Signal: PL096597.D\ECD1A.ch

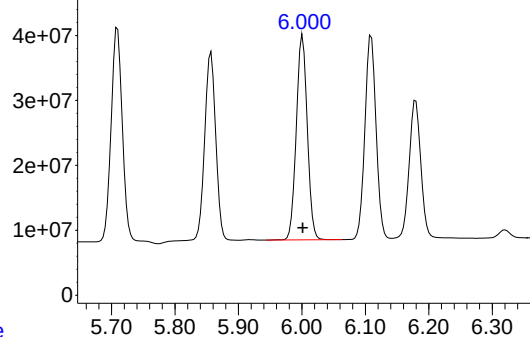


#15 Endosulfan II

R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 225647134
Conc: 74.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

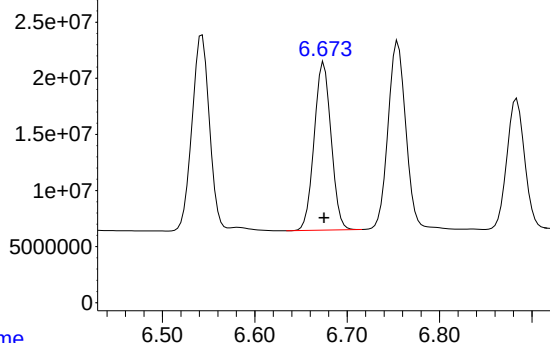
Time Response_ Signal: PL096597.D\ECD2B.ch



#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: 0.000 min
Response: 379721248
Conc: 74.13 ng/ml

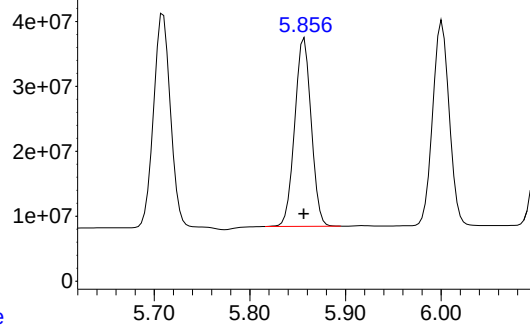
Time Response_ Signal: PL096597.D\ECD1A.ch



#16 4,4'-DDD

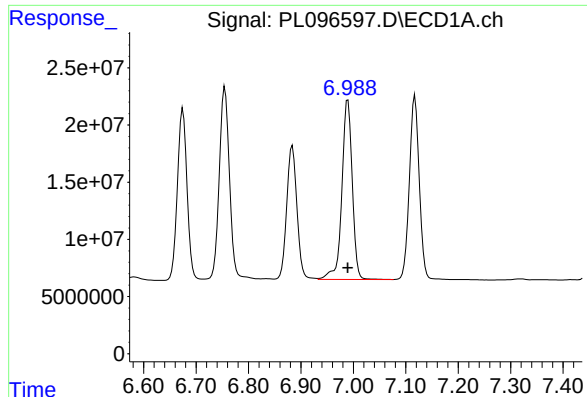
R.T.: 6.675 min
Delta R.T.: 0.000 min
Response: 190671313
Conc: 75.55 ng/ml

Time Response_ Signal: PL096597.D\ECD2B.ch



#16 4,4'-DDD

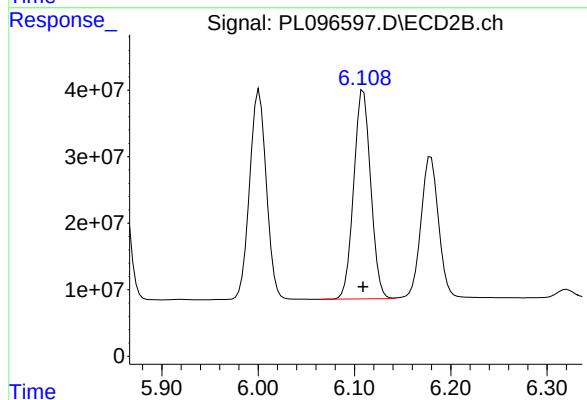
R.T.: 5.857 min
Delta R.T.: 0.000 min
Response: 348660112
Conc: 74.29 ng/ml



#17 4,4'-DDT

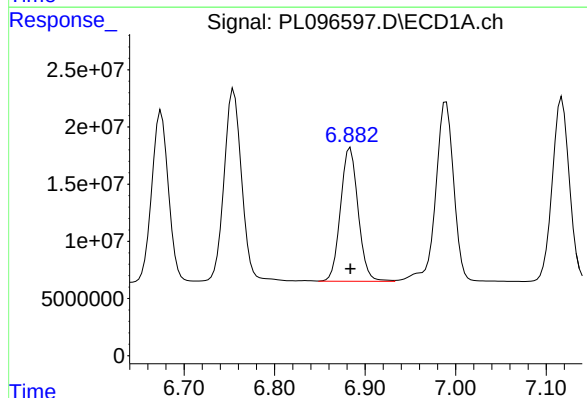
R.T.: 6.990 min
Delta R.T.: 0.000 min
Response: 217641704
Conc: 75.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



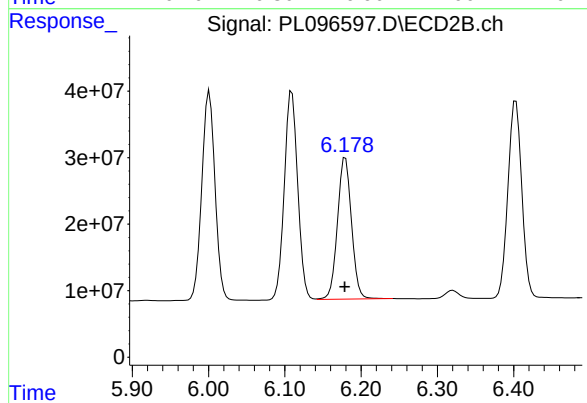
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 383566750
Conc: 74.94 ng/ml



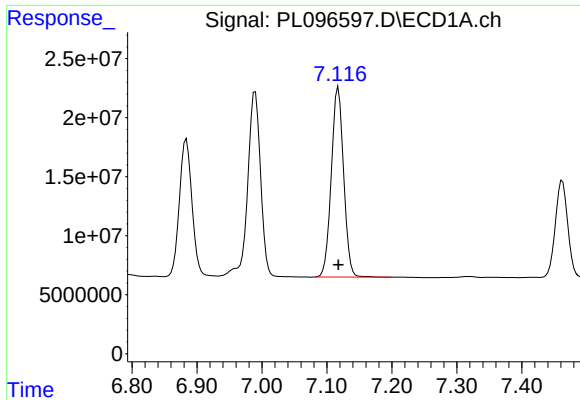
#18 Endrin aldehyde

R.T.: 6.884 min
Delta R.T.: 0.000 min
Response: 157721830
Conc: 74.22 ng/ml



#18 Endrin aldehyde

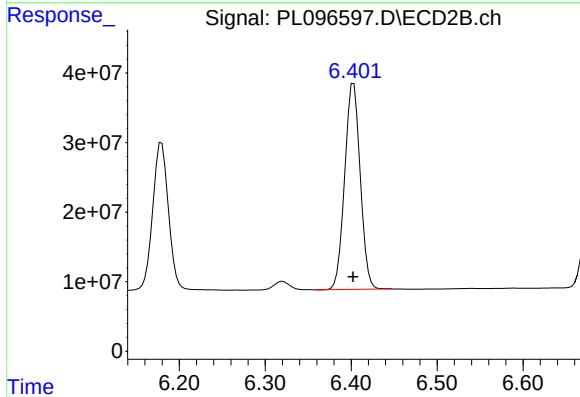
R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 271456969
Conc: 72.36 ng/ml



#19 Endosulfan Sulfate

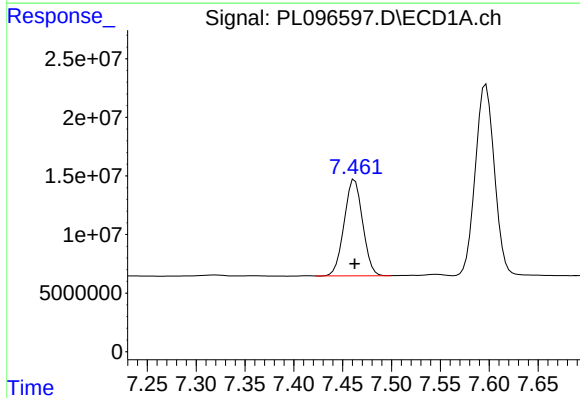
R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 211116580
Conc: 74.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



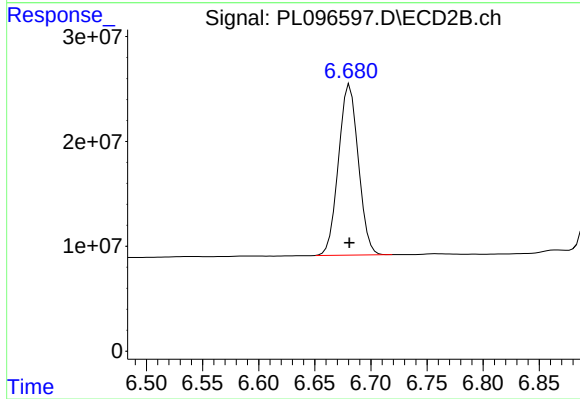
#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: 0.000 min
Response: 373300857
Conc: 73.74 ng/ml



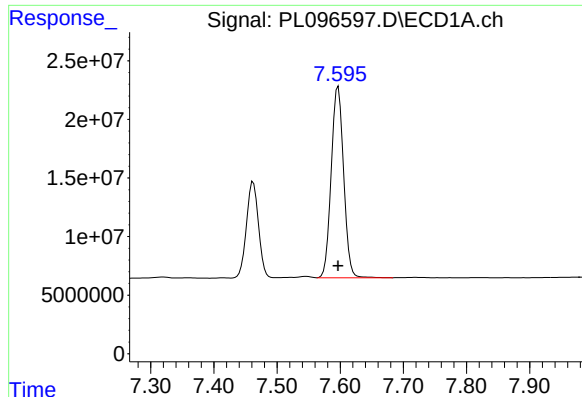
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 108334576
Conc: 73.30 ng/ml



#20 Methoxychlor

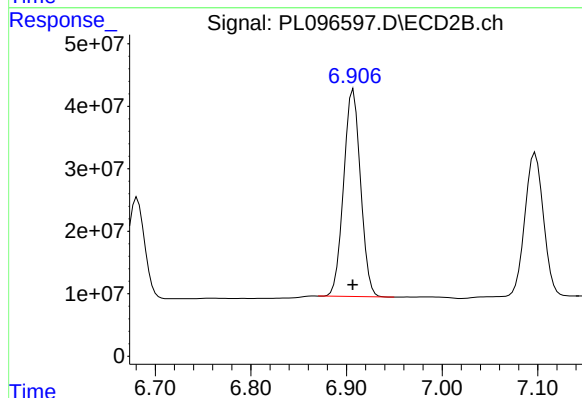
R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 200544716
Conc: 73.42 ng/ml



#21 Endrin ketone

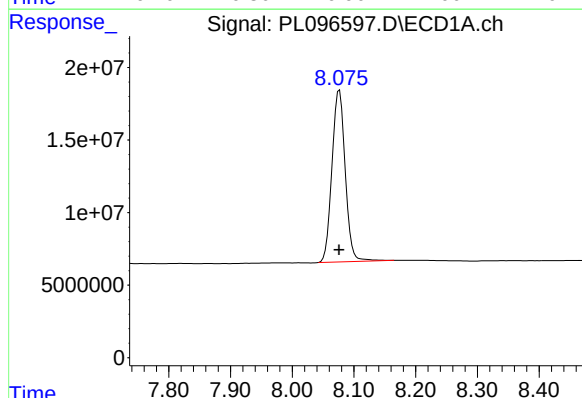
R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 223186820
Conc: 74.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



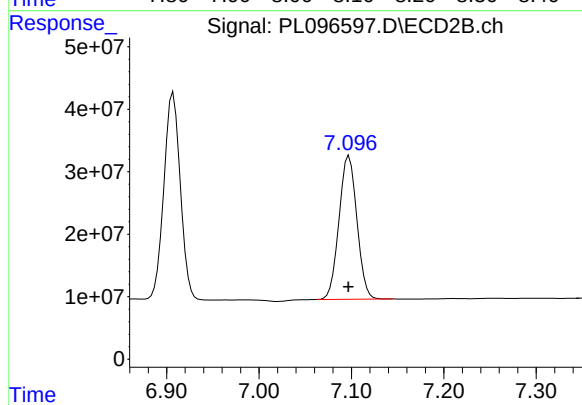
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 407983144
Conc: 73.79 ng/ml



#22 Mirex

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 177107922
Conc: 72.63 ng/ml



#22 Mirex

R.T.: 7.098 min
Delta R.T.: 0.000 min
Response: 309671656
Conc: 72.79 ng/ml

Response_

Signal: PL096597.D\ECD1A.ch

#28 Decachlorobiphenyl

R.T.: 9.016 min

Delta R.T.: 0.000 min

Response: 168823757

Conc: 72.88 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDICC075

Time

Response

Signal: PL096597.D\ECD2B.ch

#28 Decachlorobiphenyl

R.T.: 7.992 min

Delta R.T.: 0.000 min

Response: 307406585

Conc: 72.78 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
 Data File : PL096598.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 17:19
 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 29 07:45:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 07:36:56 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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	156.8E6	236.5E6	50.000	50.000
28)	SA Decachlor...	9.016	7.992	115.8E6	211.2E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	3.982	3.333	232.3E6	356.9E6	50.000	50.000
3)	MA gamma-BHC...	4.310	3.665	219.5E6	331.7E6	50.000	50.000
4)	MA Heptachlor	4.903	4.014	206.5E6	332.9E6	50.000	50.000
5)	MB Aldrin	5.243	4.297	213.4E6	311.5E6	50.000	50.000
6)	B beta-BHC	4.497	3.961	89051761	139.1E6	50.000	50.000
7)	B delta-BHC	4.743	4.195	198.9E6	324.8E6	50.000	50.000
8)	B Heptachlo...	5.662	4.799	192.4E6	284.9E6	50.000	50.000
9)	A Endosulfan I	6.044	5.169	176.8E6	268.1E6	50.000	50.000
10)	B gamma-Chl...	5.916	5.051	190.0E6	294.9E6	50.000	50.000
11)	B alpha-Chl...	5.997	5.115	190.1E6	290.0E6	50.000	50.000
12)	B 4,4'-DDE	6.166	5.304	157.4E6	277.0E6	50.000	50.000
13)	MA Dieldrin	6.316	5.434	185.6E6	294.9E6	50.000	50.000
14)	MA Endrin	6.542	5.709	149.3E6	268.8E6	50.000	50.000
15)	B Endosulfa...	6.755	6.001	152.1E6	256.1E6	50.000	50.000
16)	A 4,4'-DDD	6.675	5.856	126.2E6	234.7E6	50.000	50.000
17)	MA 4,4'-DDT	6.989	6.109	144.2E6	255.9E6	50.000	50.000
18)	B Endrin al...	6.884	6.179	106.2E6	187.6E6	50.000	50.000
19)	B Endosulfa...	7.118	6.402	142.6E6	253.1E6	50.000	50.000
20)	A Methoxychlor	7.462	6.681	73900571	136.6E6	50.000	50.000
21)	B Endrin ke...	7.597	6.907	150.2E6	276.5E6	50.000	50.000
22)	Mirex	8.076	7.097	121.9E6	212.7E6	50.000	50.000

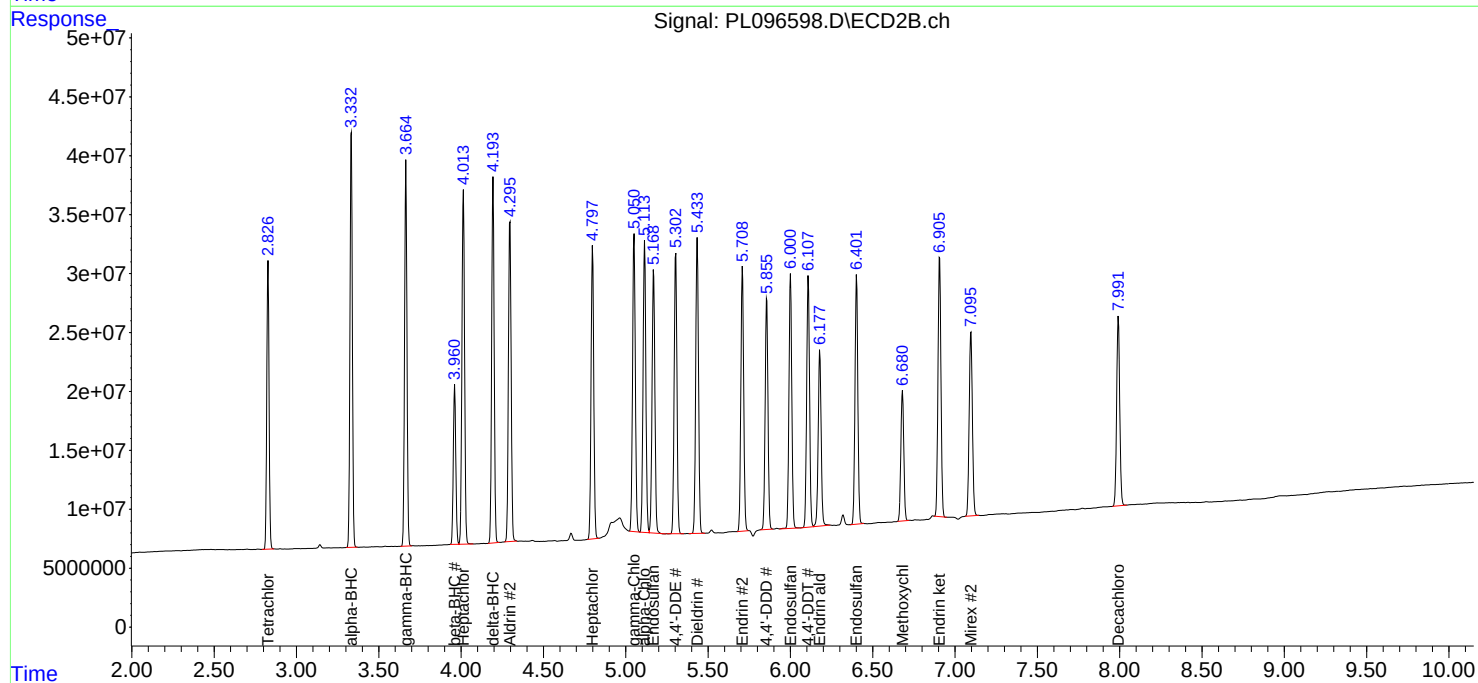
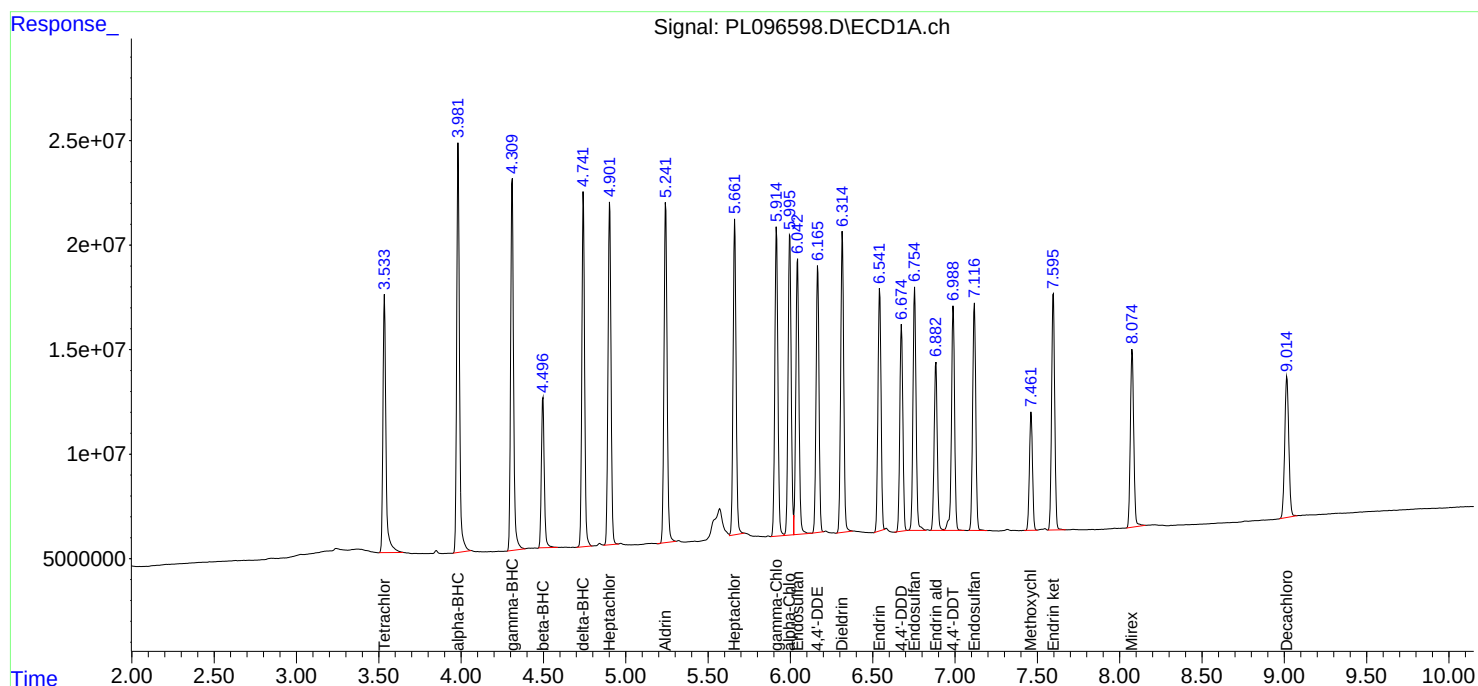
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

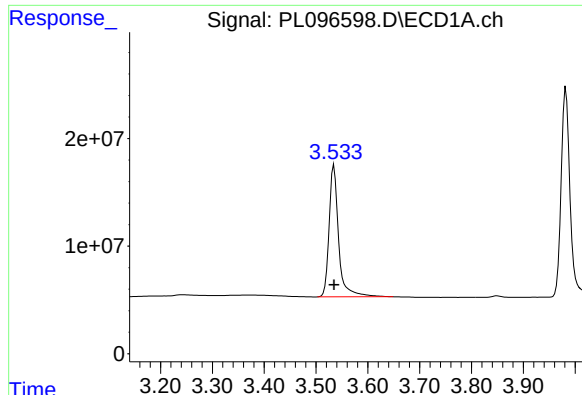
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:19
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 07:45:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

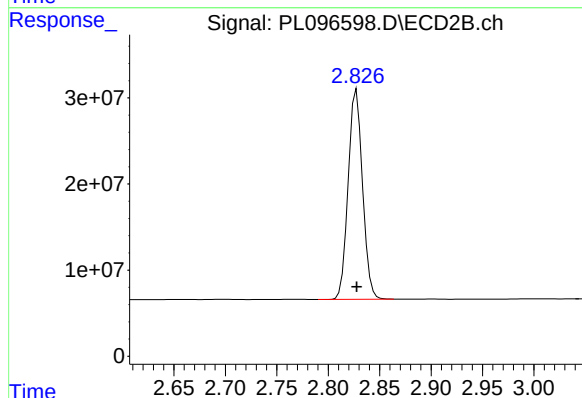




#1 Tetrachloro-m-xylene

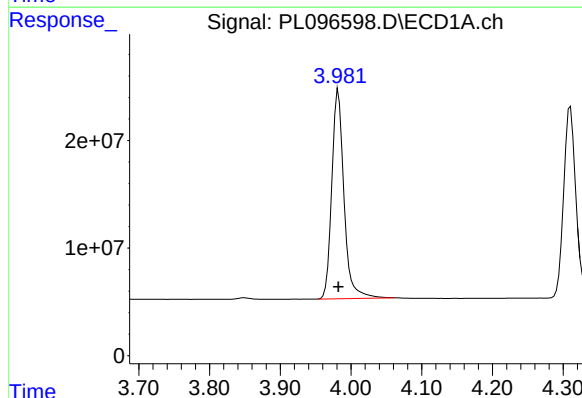
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 156830016
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



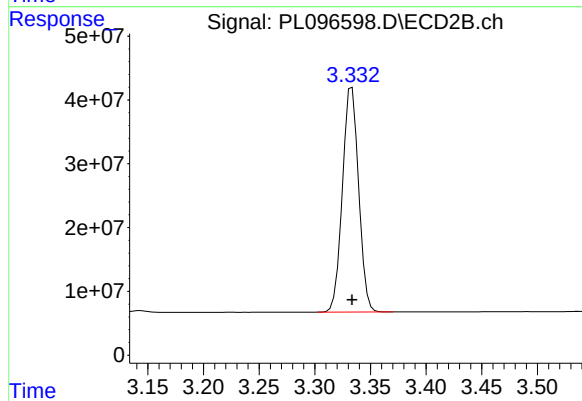
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 236549853
Conc: 50.00 ng/ml



#2 alpha-BHC

R.T.: 3.982 min
Delta R.T.: 0.000 min
Response: 232258676
Conc: 50.00 ng/ml



#2 alpha-BHC

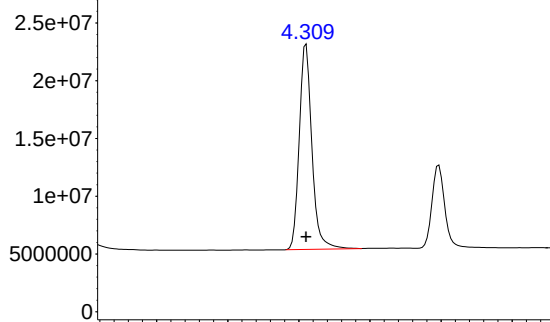
R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 356858706
Conc: 50.00 ng/ml

Response_

Signal: PL096598.D\ECD1A.ch

#3 gamma-BHC (Lindane)

ICAL Form



R.T.: 4.310 min
Delta R.T.: 0.000 min
Response: 219526089
Conc: 50.00 ng/ml

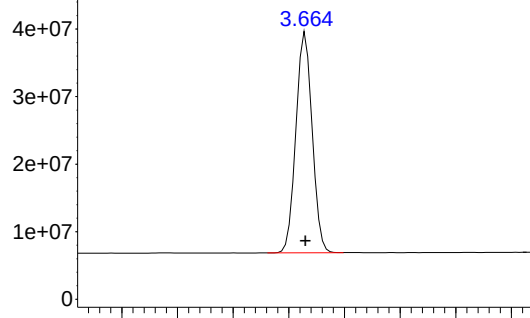
Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Time

Response_

Signal: PL096598.D\ECD2B.ch

#3 gamma-BHC (Lindane)



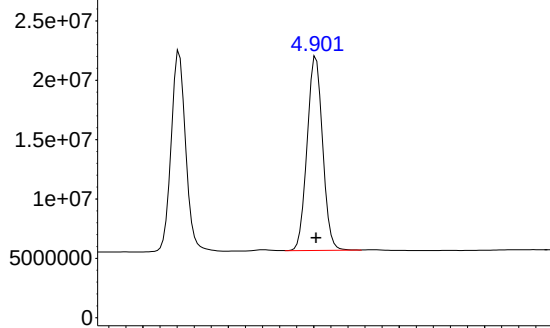
R.T.: 3.665 min
Delta R.T.: 0.000 min
Response: 331715507
Conc: 50.00 ng/ml

Time

Response_

Signal: PL096598.D\ECD1A.ch

#4 Heptachlor



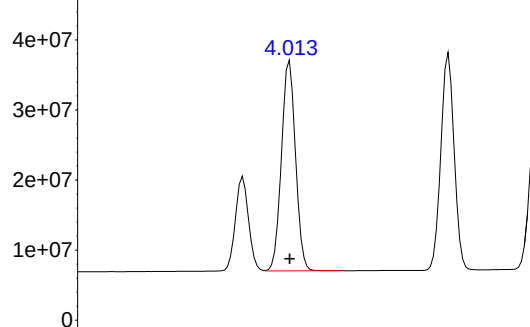
R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 206474907
Conc: 50.00 ng/ml

Time

Response_

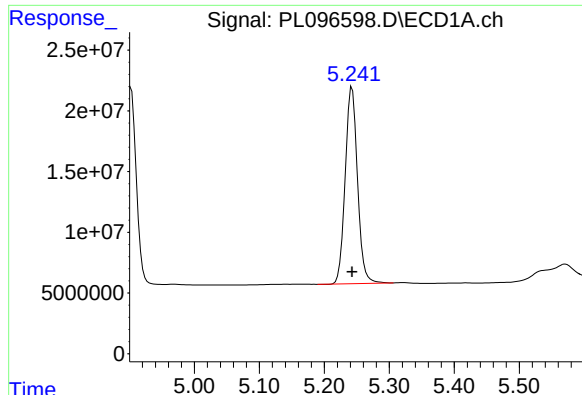
Signal: PL096598.D\ECD2B.ch

#4 Heptachlor



R.T.: 4.014 min
Delta R.T.: 0.000 min
Response: 332929030
Conc: 50.00 ng/ml

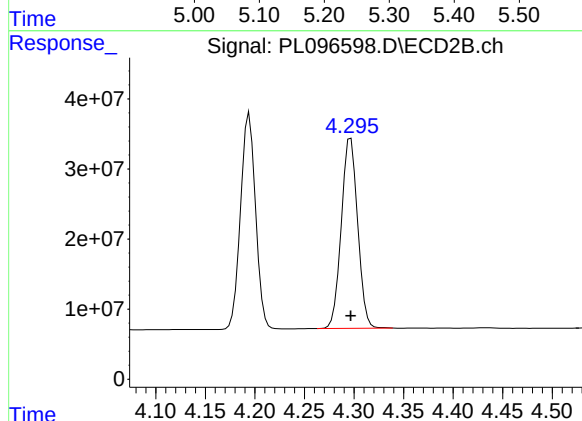
Time



#5 Aldrin

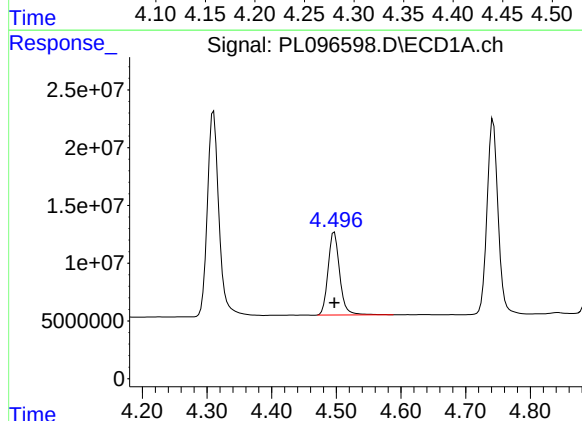
R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 213418935
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



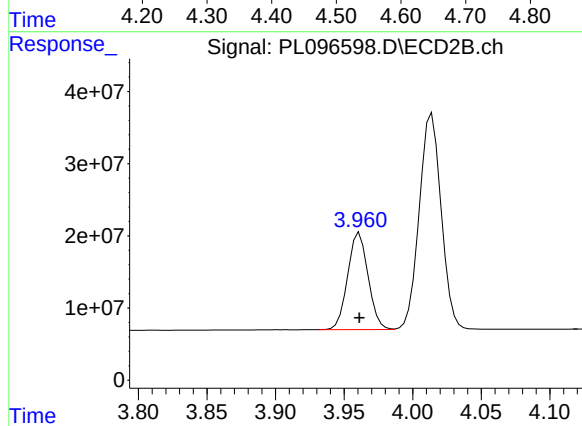
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: 0.000 min
Response: 311504423
Conc: 50.00 ng/ml



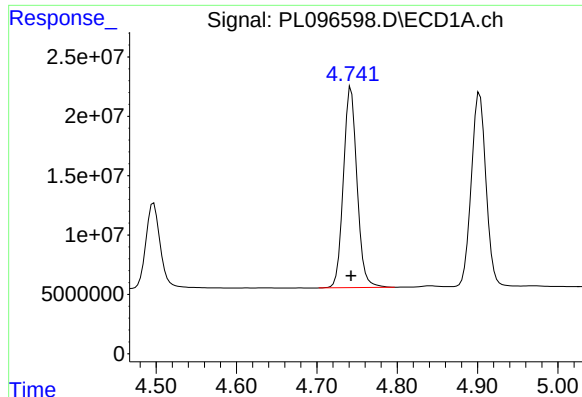
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: 0.000 min
Response: 89051761
Conc: 50.00 ng/ml



#6 beta-BHC

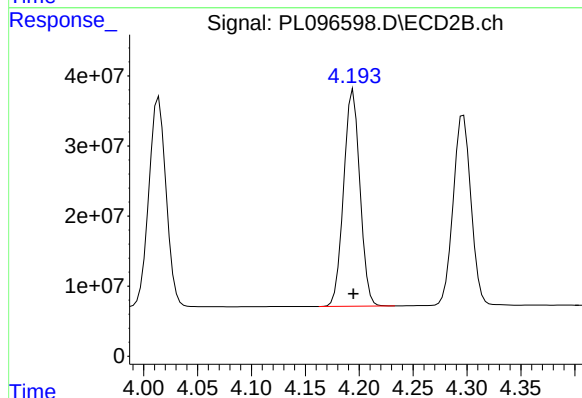
R.T.: 3.961 min
Delta R.T.: 0.000 min
Response: 139136358
Conc: 50.00 ng/ml



#7 delta-BHC

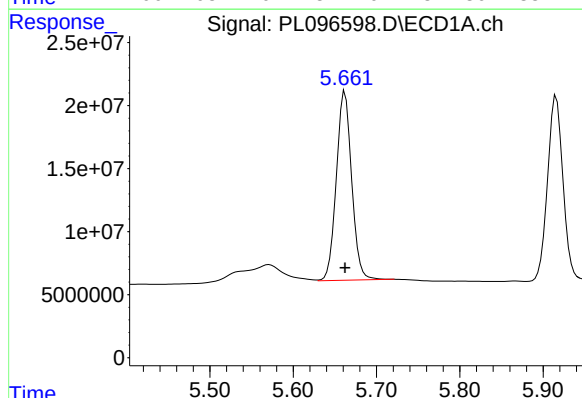
R.T.: 4.743 min
Delta R.T.: 0.000 min
Response: 198923133
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



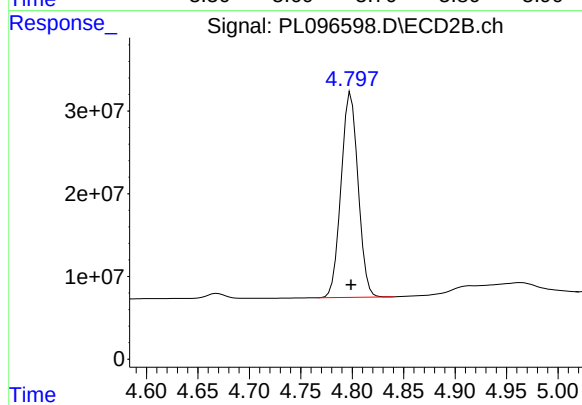
#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 324754328
Conc: 50.00 ng/ml



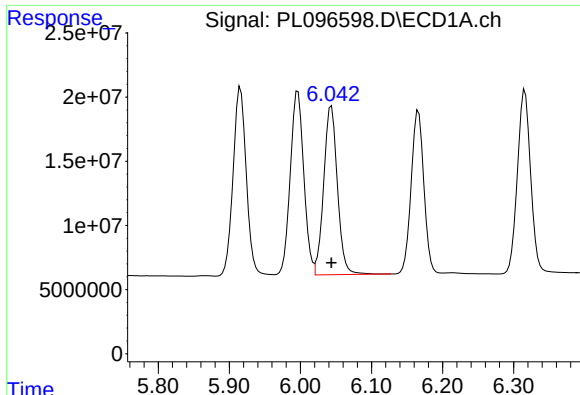
#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: 0.000 min
Response: 192358965
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

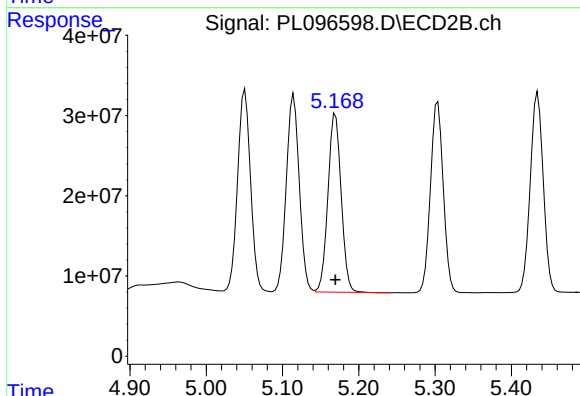
R.T.: 4.799 min
Delta R.T.: 0.000 min
Response: 284946767
Conc: 50.00 ng/ml



#9 Endosulfan I

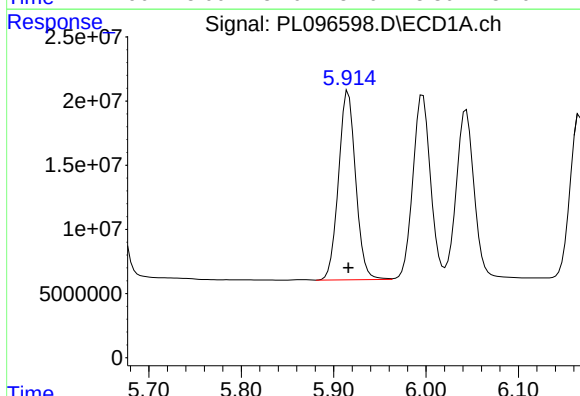
R.T.: 6.044 min
Delta R.T.: 0.000 min
Response: 176829163
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



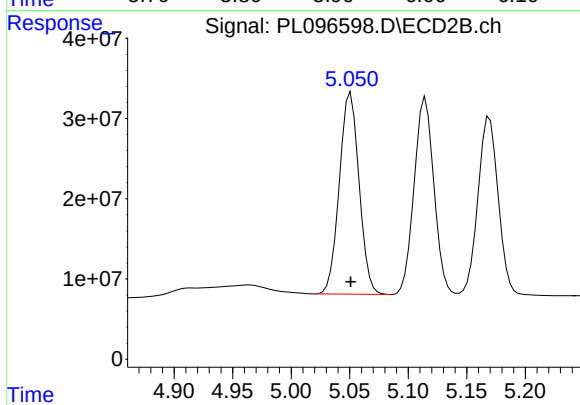
#9 Endosulfan I

R.T.: 5.169 min
Delta R.T.: 0.000 min
Response: 268136431
Conc: 50.00 ng/ml



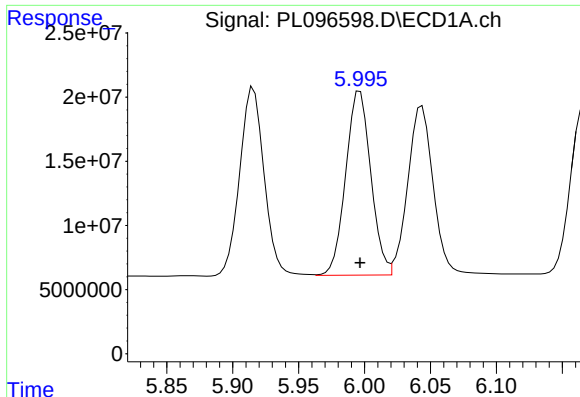
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 190037398
Conc: 50.00 ng/ml



#10 gamma-Chlordane

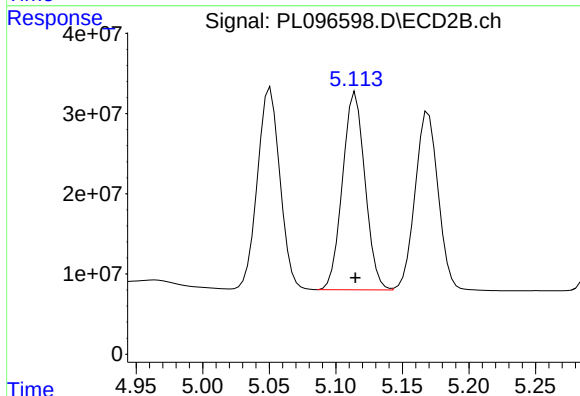
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 294914893
Conc: 50.00 ng/ml



#11 alpha-Chlordane

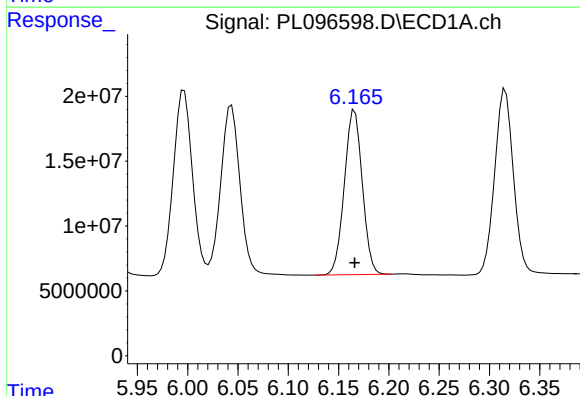
R.T.: 5.997 min
Delta R.T.: 0.000 min
Response: 190094073
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



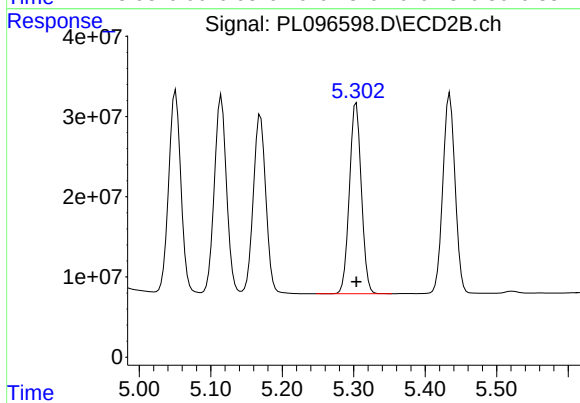
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 290010102
Conc: 50.00 ng/ml



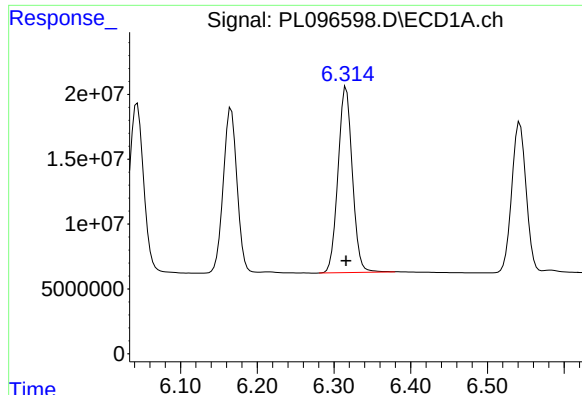
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 157362162
Conc: 50.00 ng/ml



#12 4,4'-DDE

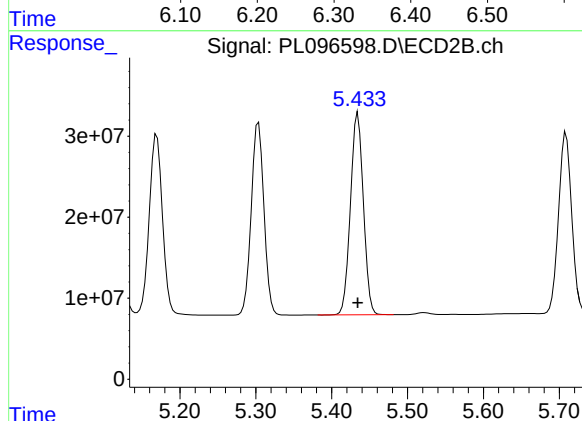
R.T.: 5.304 min
Delta R.T.: 0.000 min
Response: 277030353
Conc: 50.00 ng/ml



#13 Dieldrin

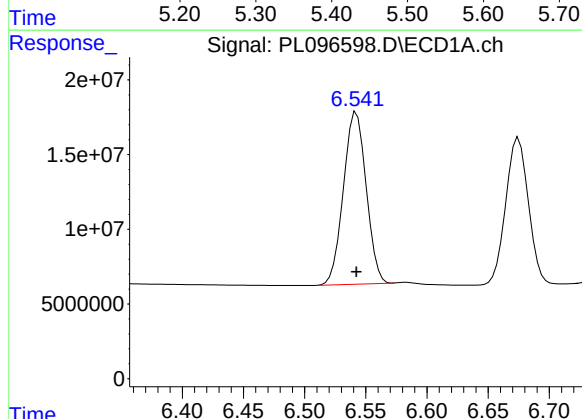
R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 185644019
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



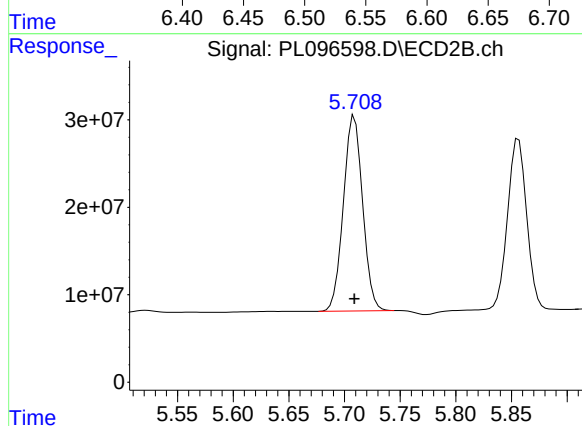
#13 Dieldrin

R.T.: 5.434 min
Delta R.T.: 0.000 min
Response: 294898417
Conc: 50.00 ng/ml



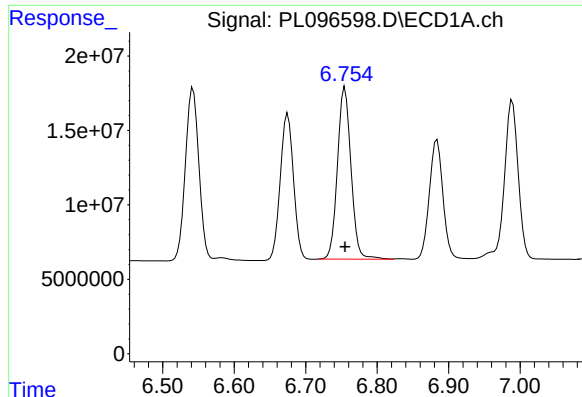
#14 Endrin

R.T.: 6.542 min
Delta R.T.: 0.000 min
Response: 149335231
Conc: 50.00 ng/ml



#14 Endrin

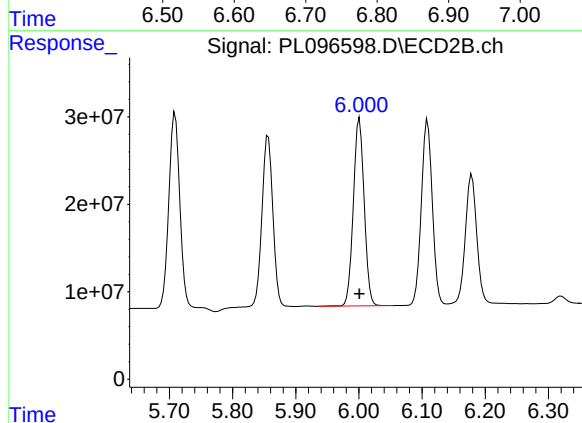
R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 268809924
Conc: 50.00 ng/ml



#15 Endosulfan II

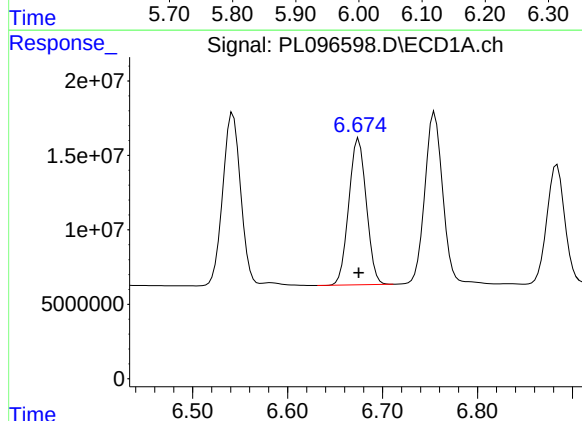
R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 152139869
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



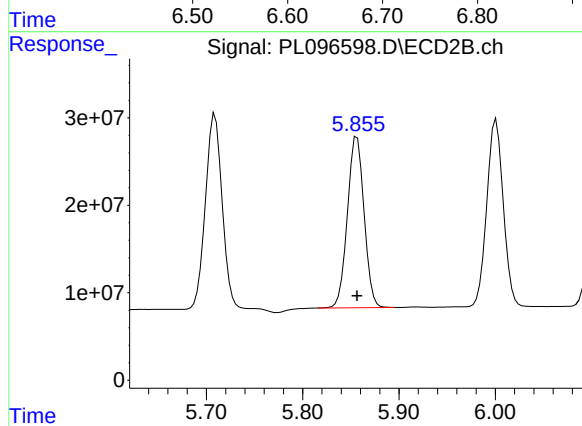
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: 0.000 min
Response: 256133247
Conc: 50.00 ng/ml



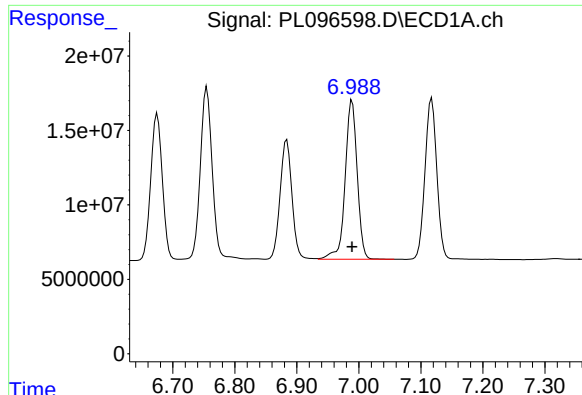
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: 0.000 min
Response: 126194489
Conc: 50.00 ng/ml



#16 4,4'-DDD

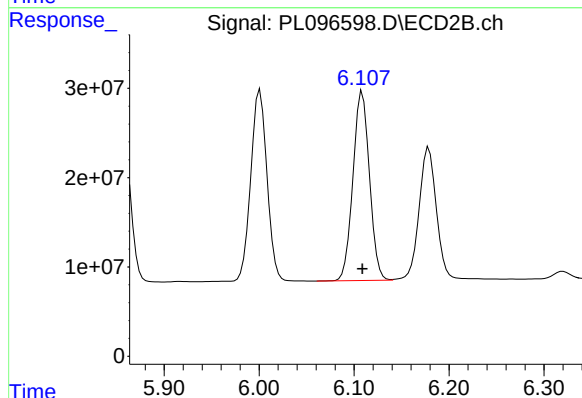
R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 234668190
Conc: 50.00 ng/ml



#17 4,4'-DDT

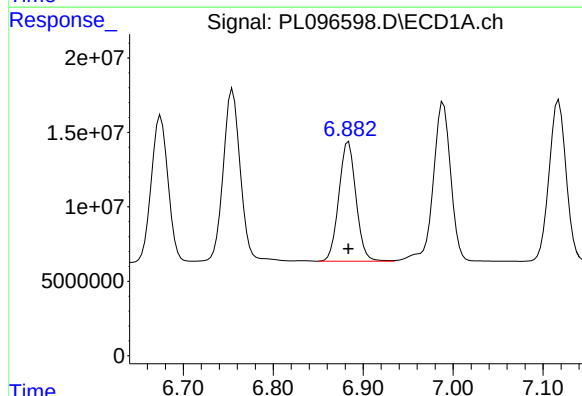
R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 144237122
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



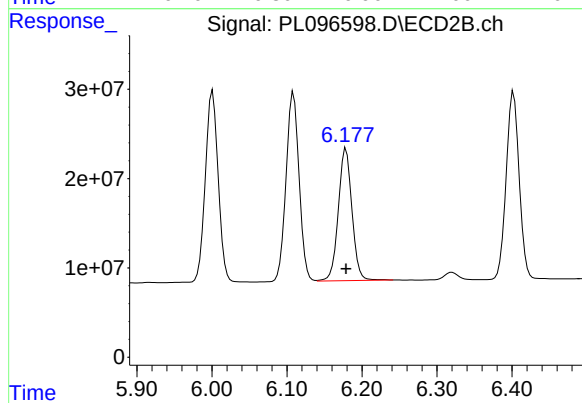
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 255924551
Conc: 50.00 ng/ml



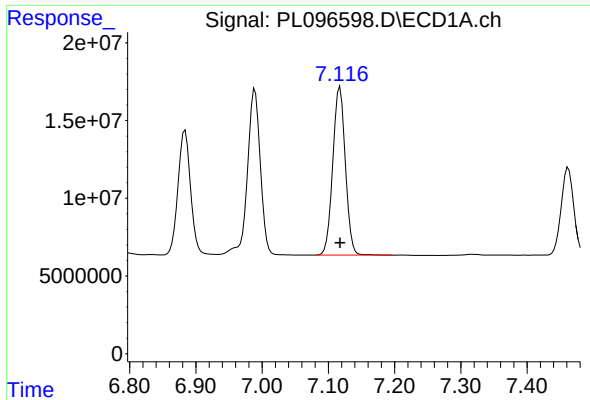
#18 Endrin aldehyde

R.T.: 6.884 min
Delta R.T.: 0.000 min
Response: 106248721
Conc: 50.00 ng/ml



#18 Endrin aldehyde

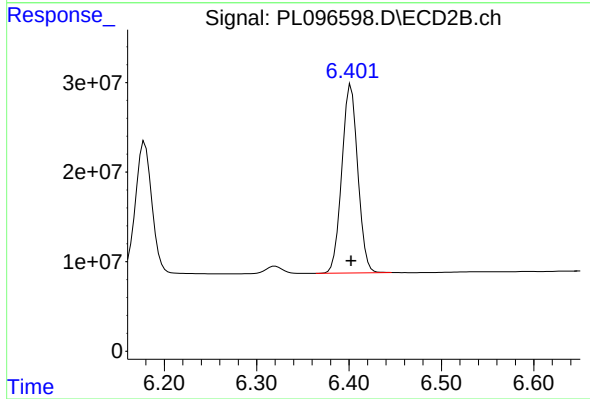
R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 187568317
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

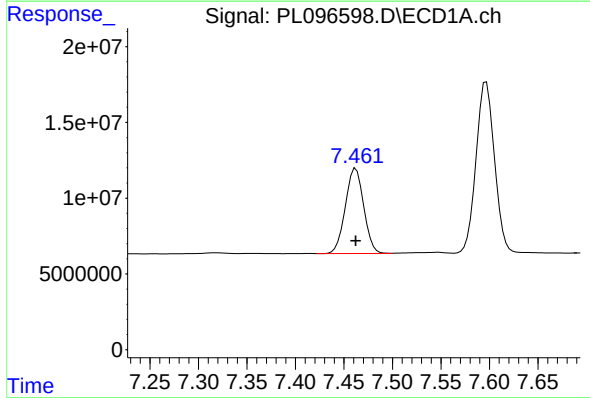
R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 142581938
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



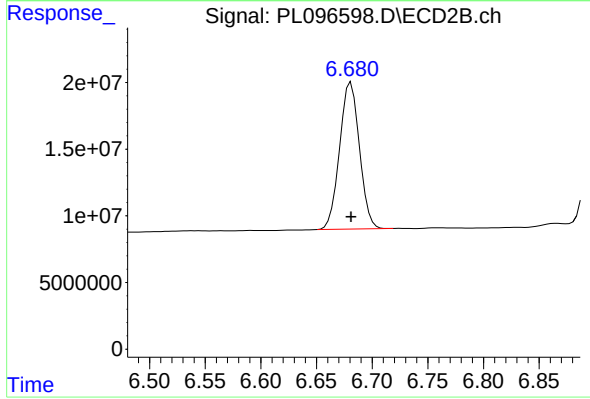
#19 Endosulfan Sulfate

R.T.: 6.402 min
Delta R.T.: 0.000 min
Response: 253136738
Conc: 50.00 ng/ml



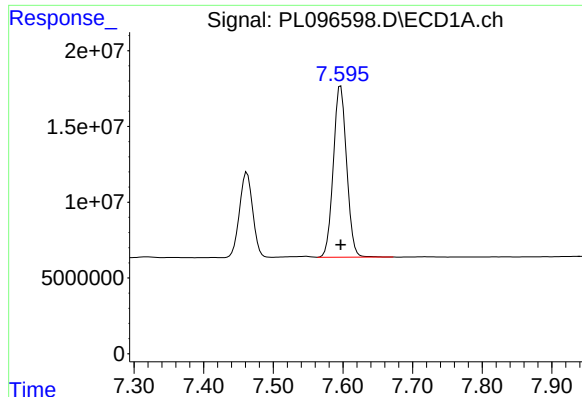
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 73900571
Conc: 50.00 ng/ml



#20 Methoxychlor

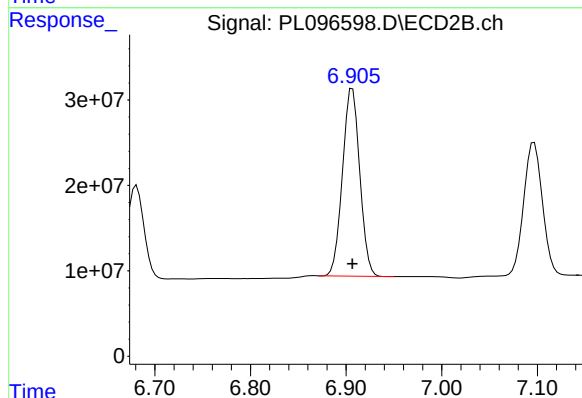
R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 136578007
Conc: 50.00 ng/ml



#21 Endrin ketone

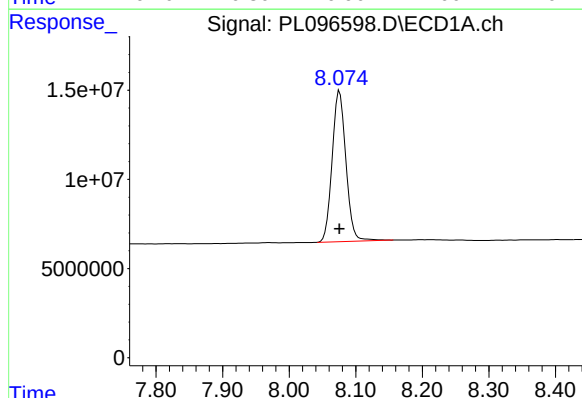
R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 150195843
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



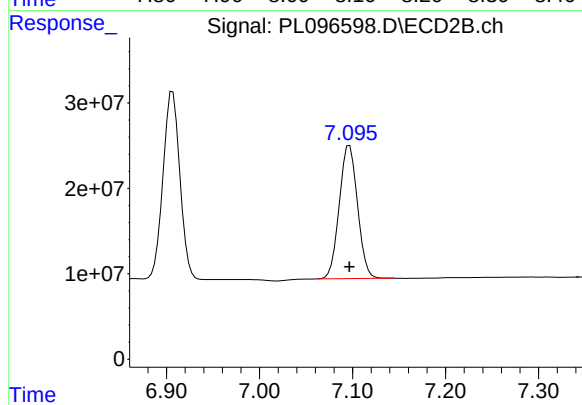
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 276465208
Conc: 50.00 ng/ml



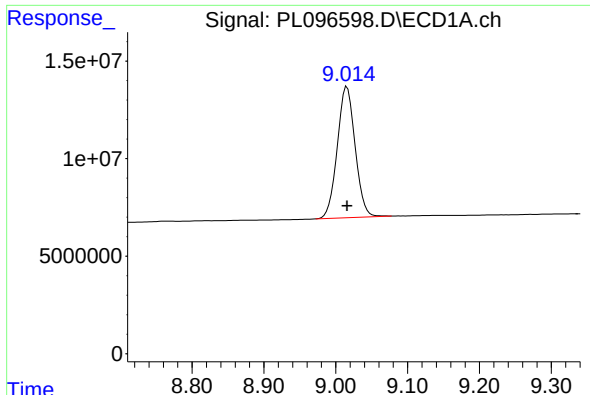
#22 Mirex

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 121932948
Conc: 50.00 ng/ml



#22 Mirex

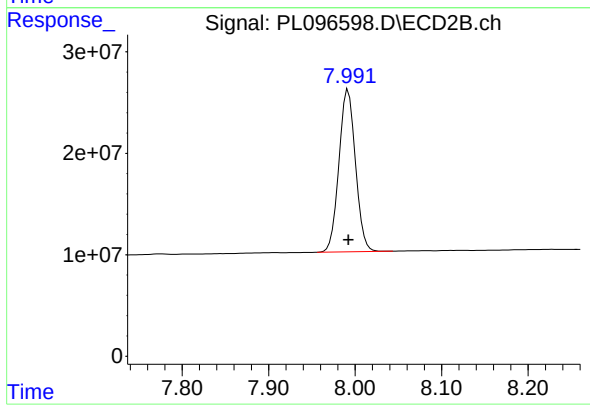
R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 212706537
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: 0.000 min
Response: 115821567
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 211174905
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
 Data File : PL096599.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 17:33
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC025

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/29/2025
 Supervised By : mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 29 07:45:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 07:36:56 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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	80667083	120.4E6	25.718	25.447
28)	SA Decachlor...	9.016	7.992	61253778	110.7E6	26.443	26.222
Target Compounds							
2)	A alpha-BHC	3.983	3.333	113.7E6	176.1E6	24.483	24.678
3)	MA gamma-BHC...	4.311	3.665	109.5E6	164.7E6	24.930	24.831
4)	MA Heptachlor	4.903	4.014	103.9E6	167.4E6	25.150	25.138
5)	MB Aldrin	5.242	4.297	106.1E6	154.6E6	24.852	24.810
6)	B beta-BHC	4.497	3.961	46424655	71835591	26.066	25.815
7)	B delta-BHC	4.743	4.195	98875722	161.7E6	24.853	24.903
8)	B Heptachlo...	5.662	4.799	97796537	143.3E6	25.420	25.140
9)	A Endosulfan I	6.044	5.170	89274310	138.5E6	25.243	25.835
10)	B gamma-Chl...	5.916	5.051	95166219	147.9E6	25.039	25.072
11)	B alpha-Chl...	5.996	5.115	96944619	147.4E6	25.499	25.414
12)	B 4,4'-DDE	6.166	5.303	77835138	135.9E6	24.731	24.536
13)	MA Dieldrin	6.316	5.434	91962286	148.1E6	24.768	25.106
14)	MA Endrin	6.542	5.709	76652120	133.6E6	25.664	24.852
15)	B Endosulfa...	6.755	6.001	79391270	129.4E6	26.092	25.256
16)	A 4,4'-DDD	6.675	5.856	62524397	117.6E6	24.773	25.050
17)	MA 4,4'-DDT	6.989	6.109	70933756	126.1E6	24.589	24.645
18)	B Endrin al...	6.884	6.177	54110594	98803191	25.464	26.338m
19)	B Endosulfa...	7.117	6.403	71756969	128.4E6	25.163	25.362
20)	A Methoxychlor	7.462	6.681	37688830	69721101	25.500	25.524
21)	B Endrin ke...	7.597	6.905	75730573	146.9E6	25.211	26.570m
22)	Mirex	8.076	7.097	63693911	111.6E6	26.118	26.231

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:33
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

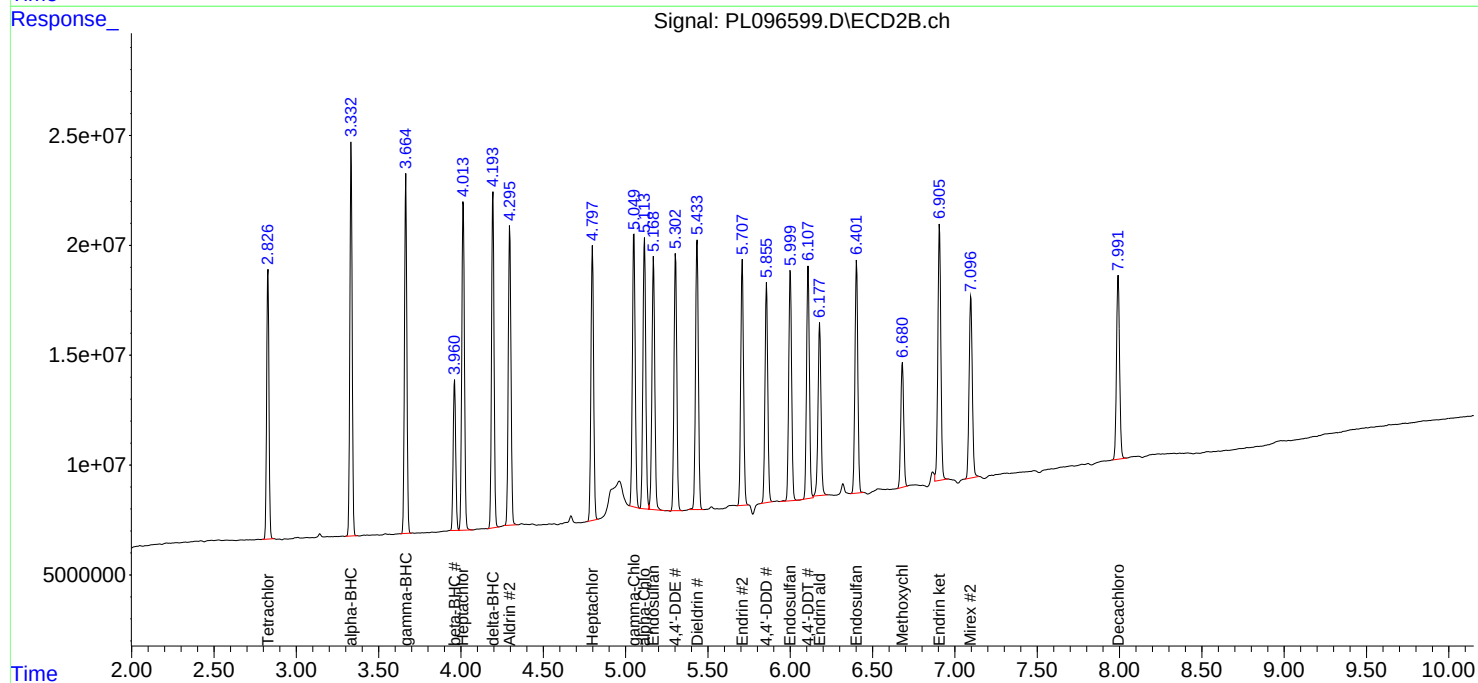
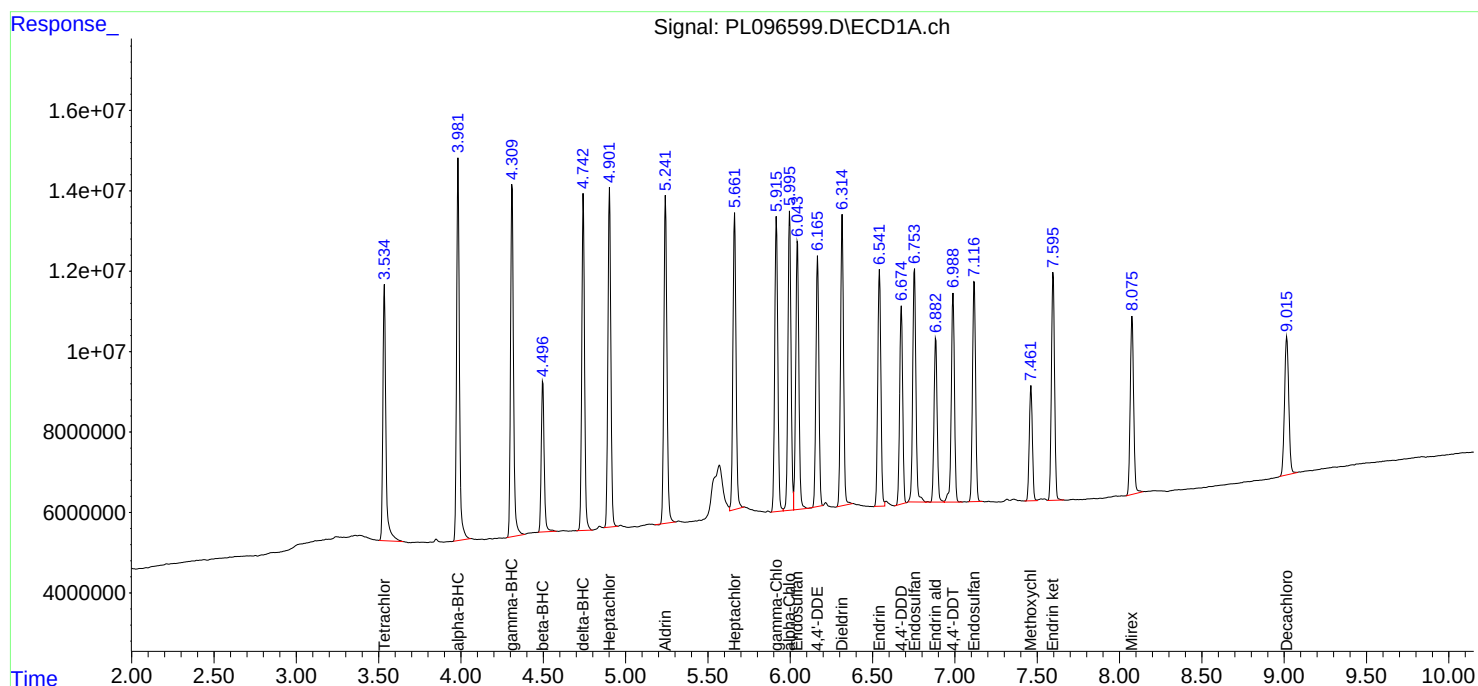
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

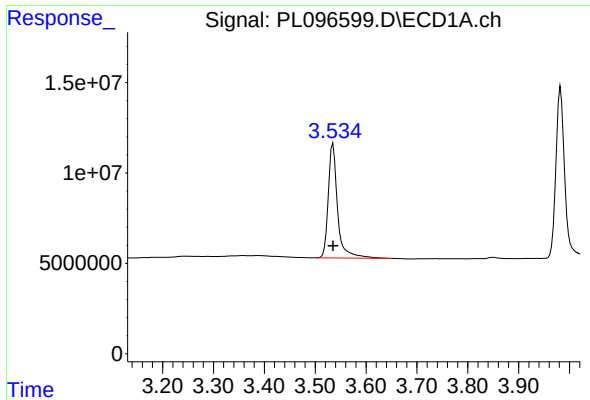
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 07:45:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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

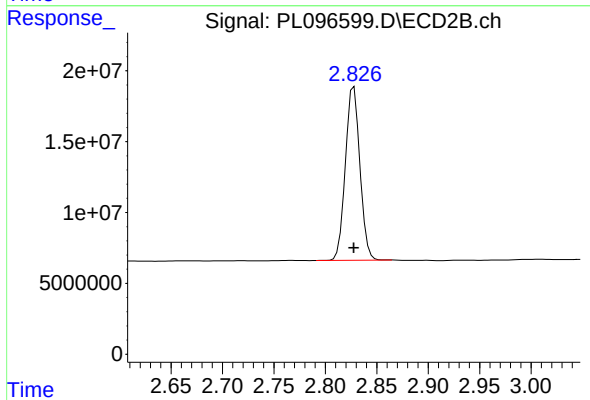
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 80667083
Conc: 25.72 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

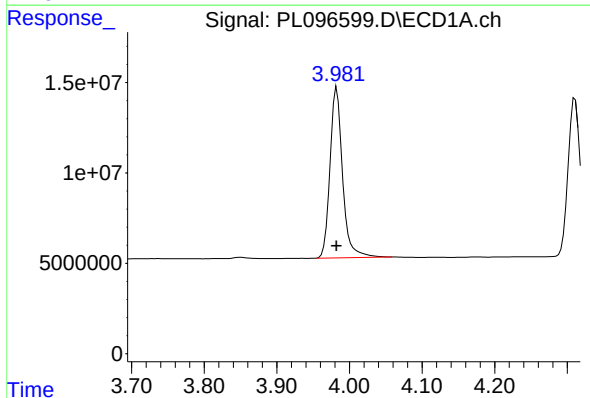
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



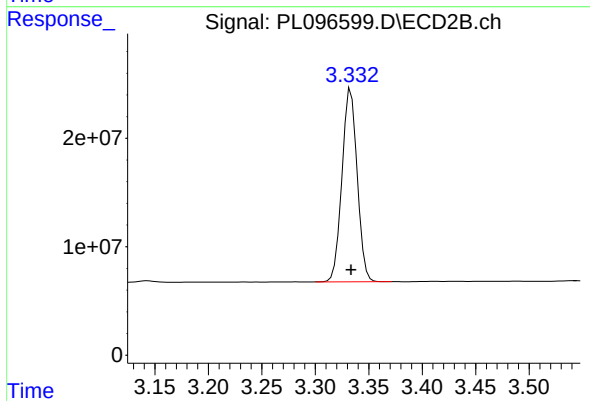
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 120387362
Conc: 25.45 ng/ml



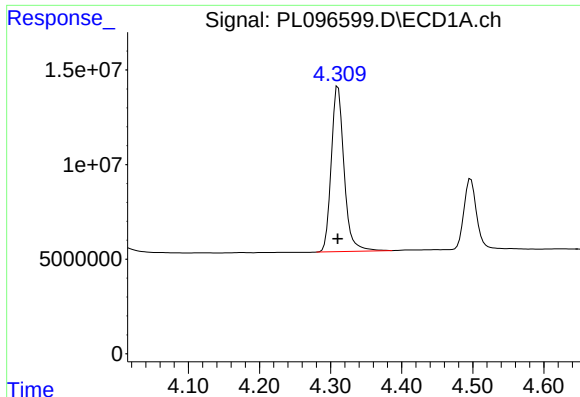
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 113727400
Conc: 24.48 ng/ml



#2 alpha-BHC

R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 176134463
Conc: 24.68 ng/ml



#3 gamma-BHC (Lindane)

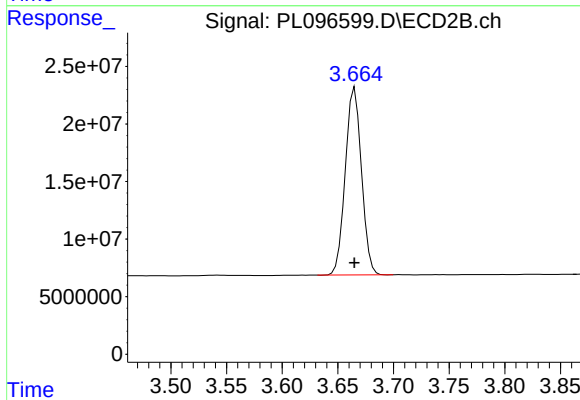
R.T.: 4.311 min
Delta R.T.: 0.000 min
Response: 109455262
Conc: 24.93 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

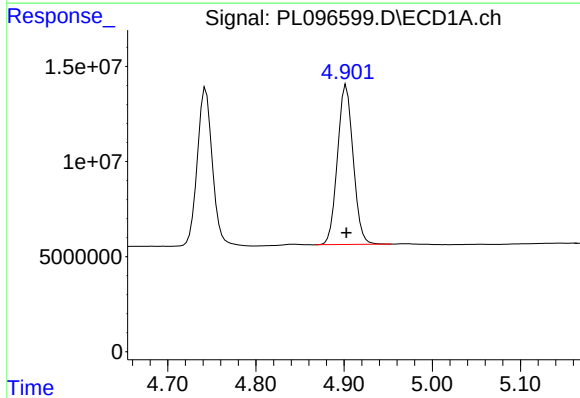
Manual Integrations
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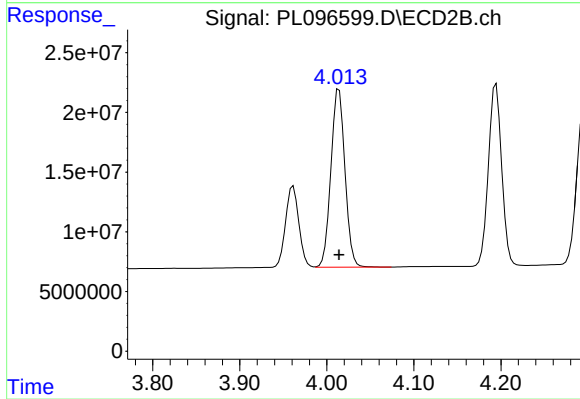
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: 0.000 min
Response: 164738265
Conc: 24.83 ng/ml



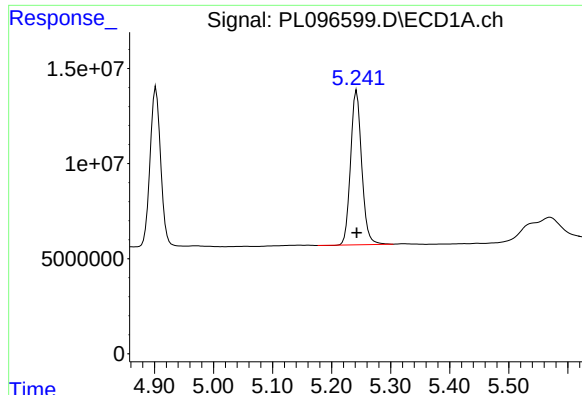
#4 Heptachlor

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 103855678
Conc: 25.15 ng/ml



#4 Heptachlor

R.T.: 4.014 min
Delta R.T.: 0.000 min
Response: 167381908
Conc: 25.14 ng/ml



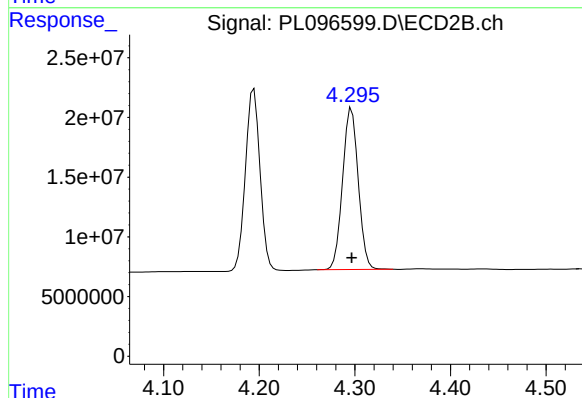
#5 Aldrin

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 106077325
Conc: 24.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

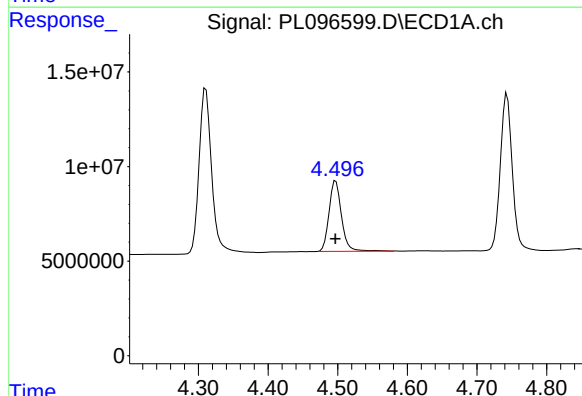
Manual Integrations
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Supervised By :mohammad ahmed 07/30/2025



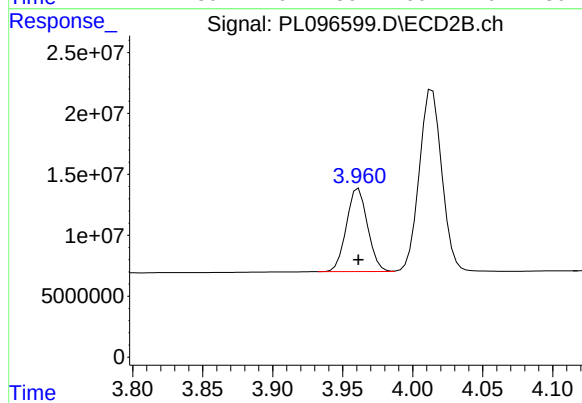
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: 0.000 min
Response: 154569484
Conc: 24.81 ng/ml



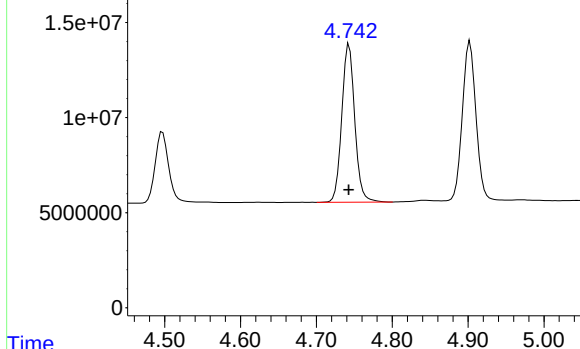
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: 0.000 min
Response: 46424655
Conc: 26.07 ng/ml



#6 beta-BHC

R.T.: 3.961 min
Delta R.T.: 0.000 min
Response: 71835591
Conc: 25.81 ng/ml



R.T.: 4.743 min
Delta R.T.: 0.000 min
Response: 98875722
Conc: 24.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations
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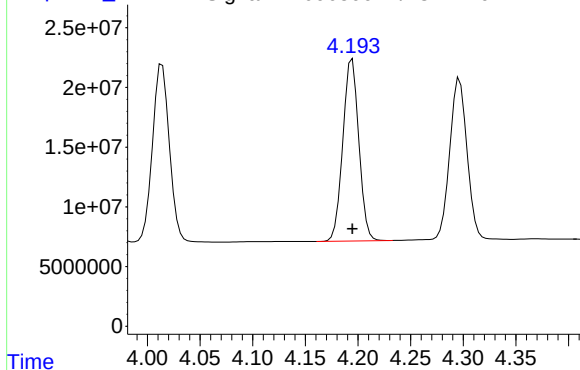
Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025

Time

Response_

Signal: PL096599.D\ECD2B.ch

#7 delta-BHC



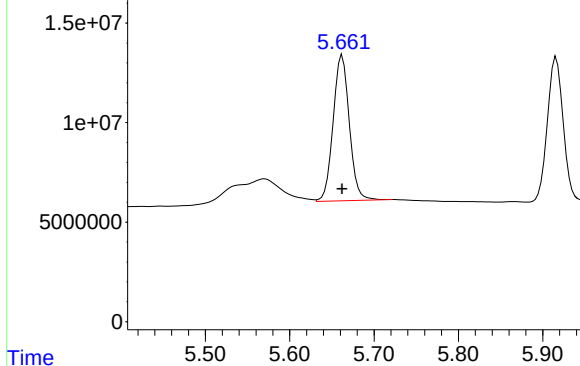
R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 161747114
Conc: 24.90 ng/ml

Time

Response_

Signal: PL096599.D\ECD1A.ch

#8 Heptachlor epoxide



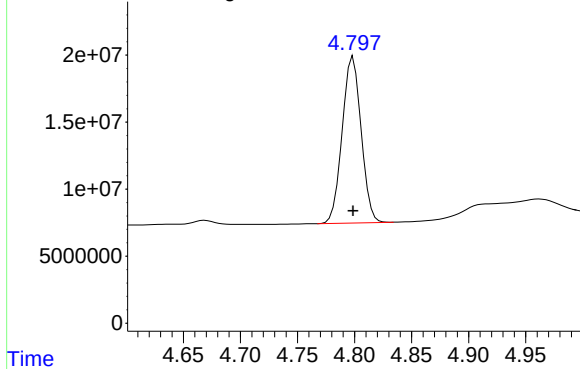
R.T.: 5.662 min
Delta R.T.: 0.000 min
Response: 97796537
Conc: 25.42 ng/ml

Time

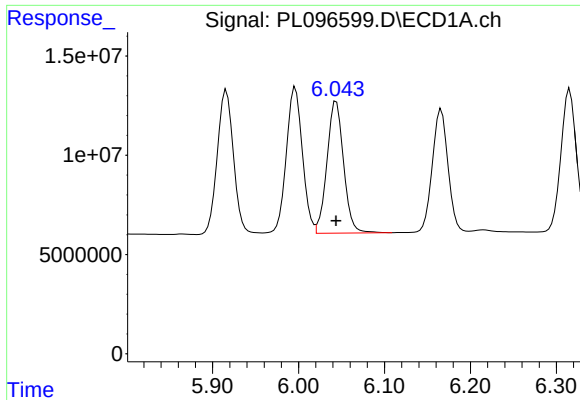
Response_

Signal: PL096599.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.799 min
Delta R.T.: 0.000 min
Response: 143274077
Conc: 25.14 ng/ml



#9 Endosulfan I

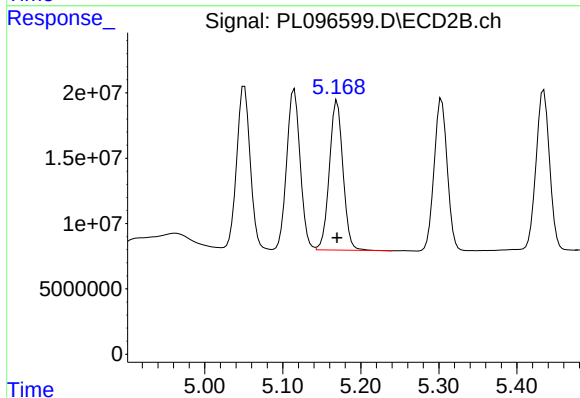
R.T.: 6.044 min
Delta R.T.: 0.000 min
Response: 89274310
Conc: 25.24 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

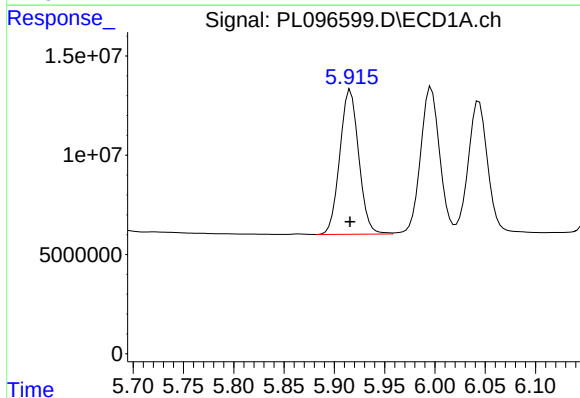
Manual Integrations
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Supervised By :mohammad ahmed 07/30/2025



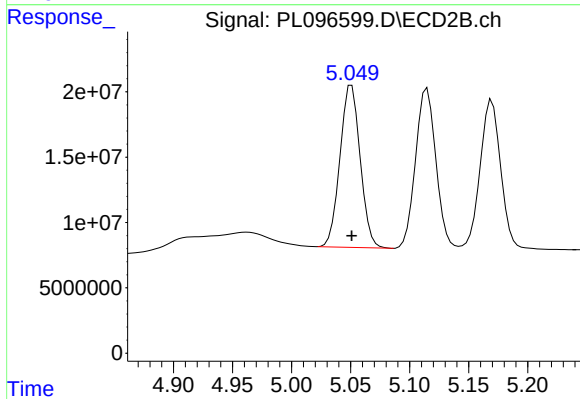
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: 0.000 min
Response: 138547710
Conc: 25.84 ng/ml



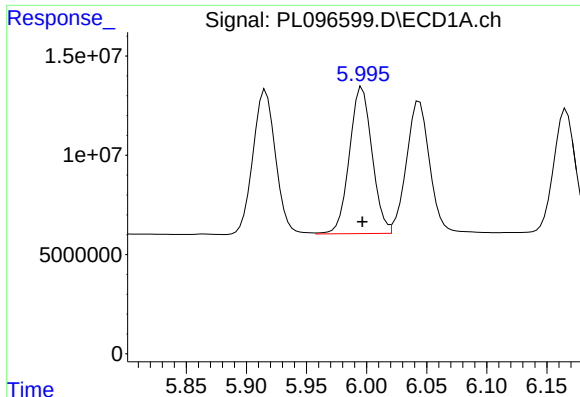
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 95166219
Conc: 25.04 ng/ml



#10 gamma-Chlordane

R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 147883477
Conc: 25.07 ng/ml



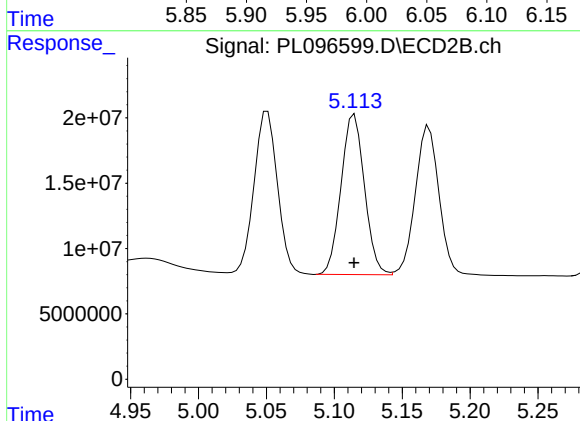
#11 alpha-Chlordane

R.T.: 5.996 min
Delta R.T.: 0.000 min
Response: 96944619
Conc: 25.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

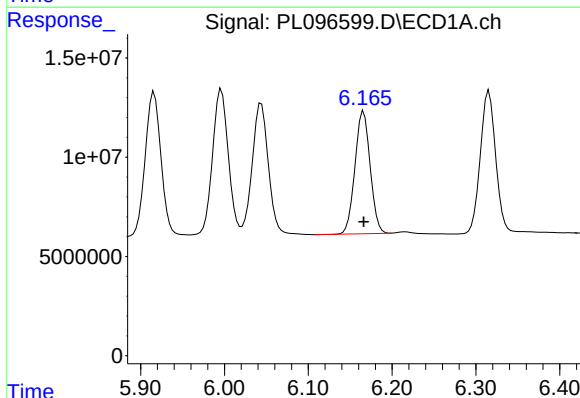
Manual Integrations
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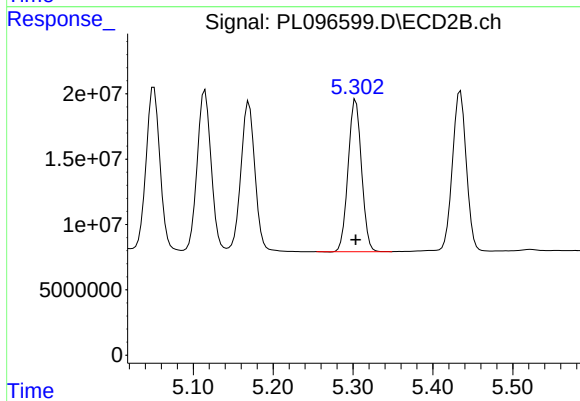
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 147407858
Conc: 25.41 ng/ml



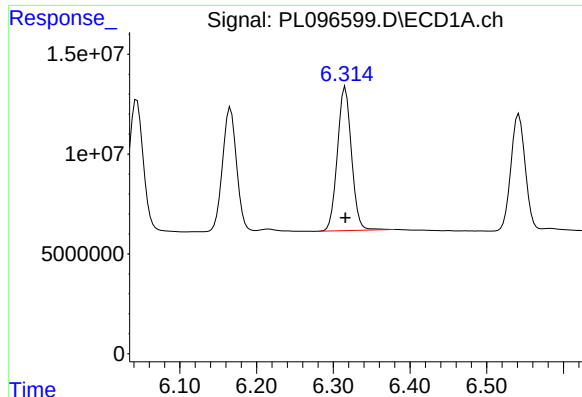
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 77835138
Conc: 24.73 ng/ml



#12 4,4'-DDE

R.T.: 5.303 min
Delta R.T.: 0.000 min
Response: 135946511
Conc: 24.54 ng/ml



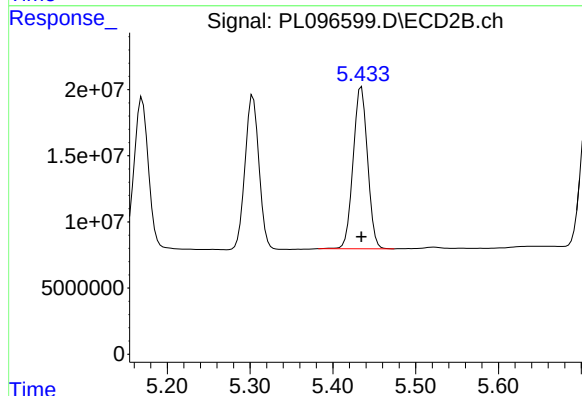
#13 Dieldrin

R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 91962286
Conc: 24.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

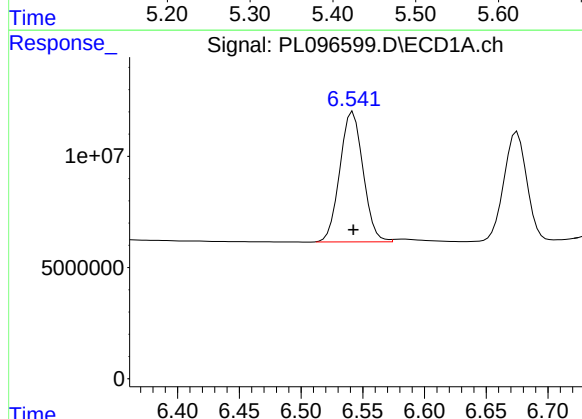
Manual Integrations
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Supervised By :mohammad ahmed 07/30/2025



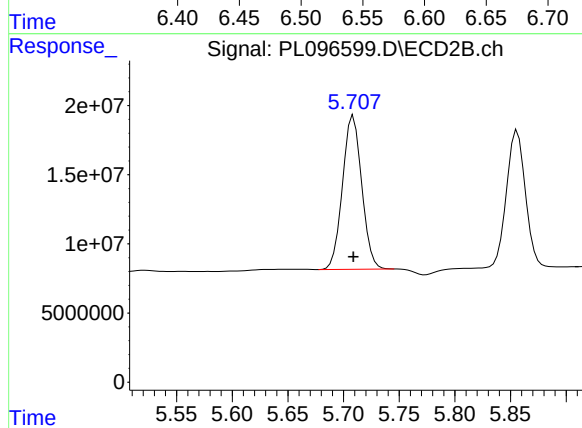
#13 Dieldrin

R.T.: 5.434 min
Delta R.T.: 0.000 min
Response: 148077198
Conc: 25.11 ng/ml



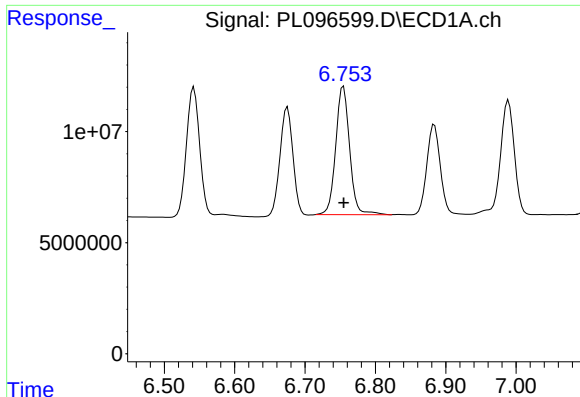
#14 Endrin

R.T.: 6.542 min
Delta R.T.: 0.000 min
Response: 76652120
Conc: 25.66 ng/ml



#14 Endrin

R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 133610110
Conc: 24.85 ng/ml



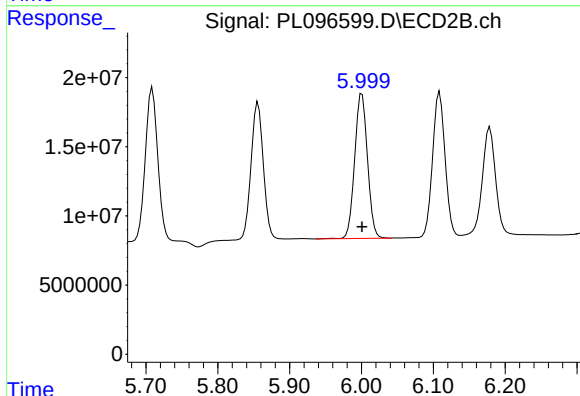
#15 Endosulfan II

R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 79391270
Conc: 26.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

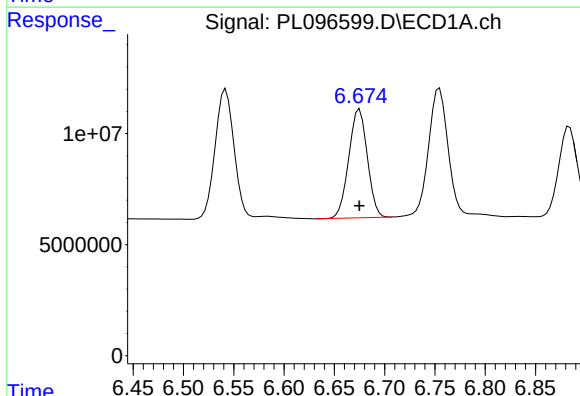
Manual Integrations
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Supervised By :mohammad ahmed 07/30/2025



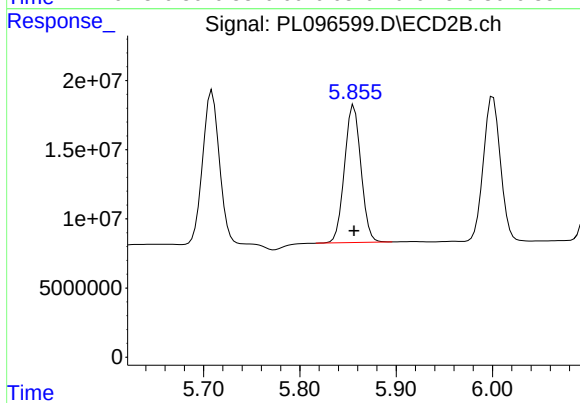
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: 0.000 min
Response: 129380147
Conc: 25.26 ng/ml



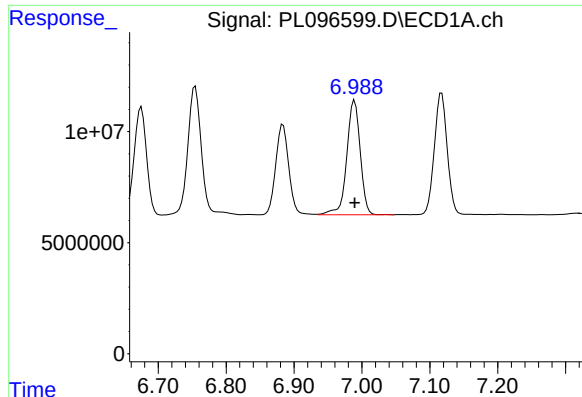
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: 0.000 min
Response: 62524397
Conc: 24.77 ng/ml



#16 4,4'-DDD

R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 117568590
Conc: 25.05 ng/ml



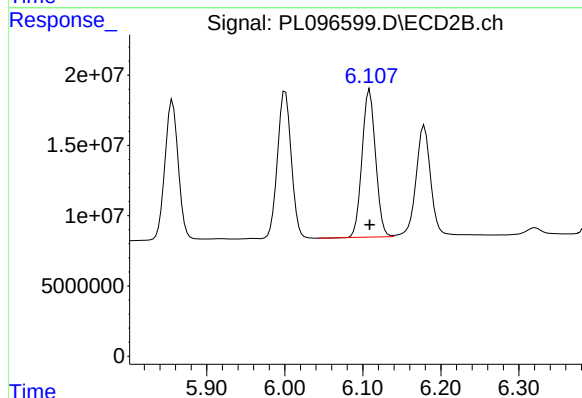
#17 4,4'-DDT

R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 70933756
Conc: 24.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

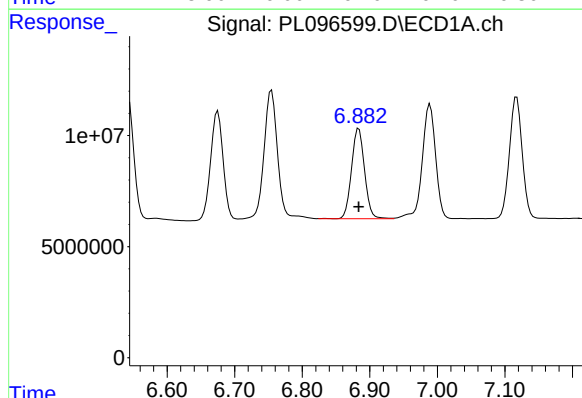
Manual Integrations
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Supervised By :mohammad ahmed 07/30/2025



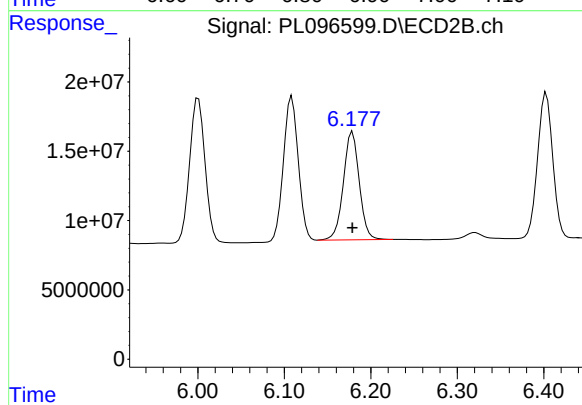
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 126146252
Conc: 24.65 ng/ml



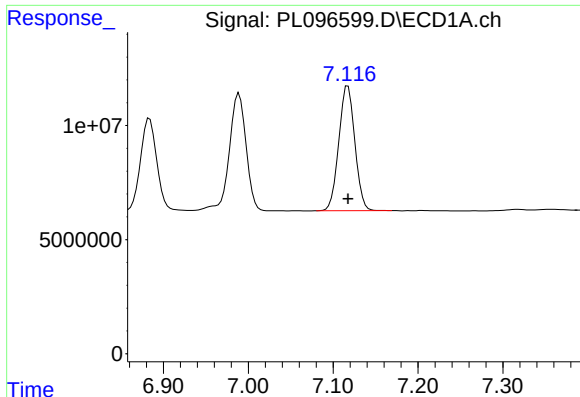
#18 Endrin aldehyde

R.T.: 6.884 min
Delta R.T.: 0.000 min
Response: 54110594
Conc: 25.46 ng/ml



#18 Endrin aldehyde

R.T.: 6.177 min
Delta R.T.: -0.001 min
Response: 98803191
Conc: 26.34 ng/ml m



#19 Endosulfan Sulfate

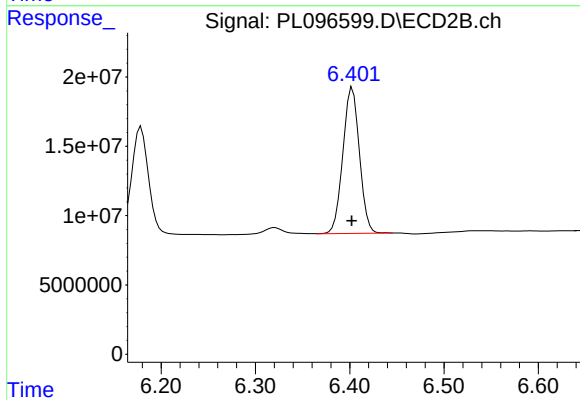
R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 71756969
Conc: 25.16 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

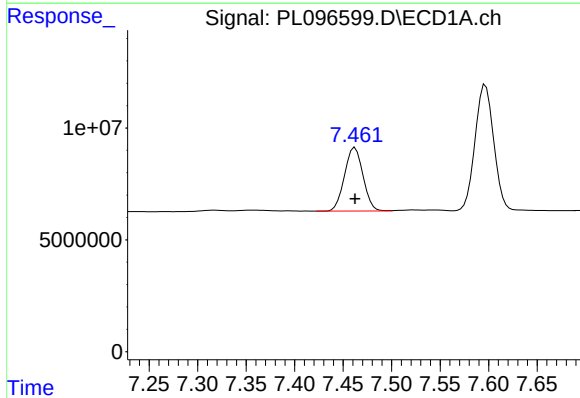
Manual Integrations
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Supervised By :mohammad ahmed 07/30/2025



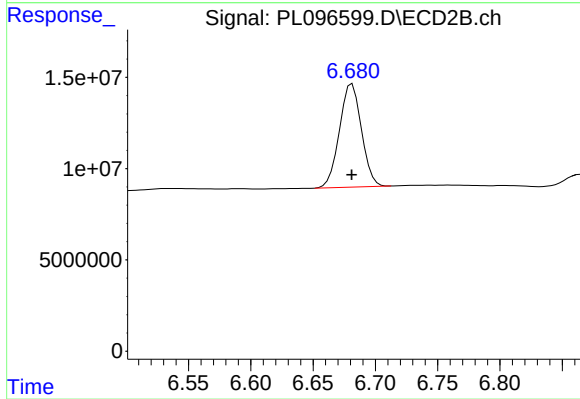
#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: 0.000 min
Response: 128398736
Conc: 25.36 ng/ml



#20 Methoxychlor

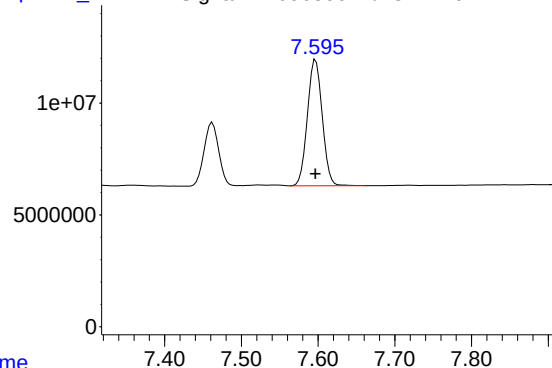
R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 37688830
Conc: 25.50 ng/ml



#20 Methoxychlor

R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 69721101
Conc: 25.52 ng/ml

Response_ Signal: PL096599.D\ECD1A.ch



#21 Endrin ketone

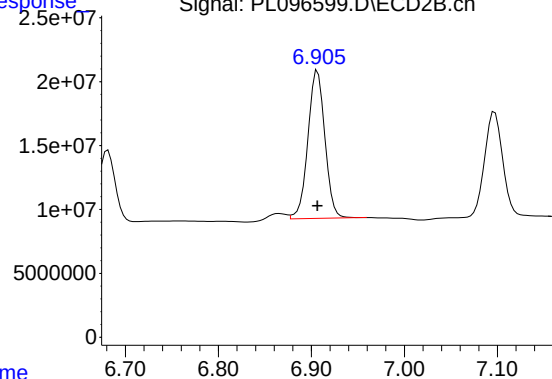
R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 75730573
Conc: 25.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025

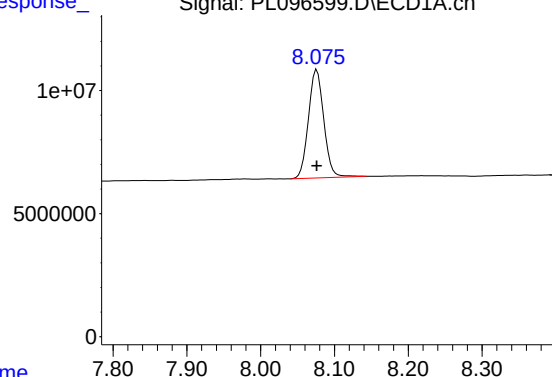
Time Response Signal: PL096599.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.905 min
Delta R.T.: -0.001 min
Response: 146914534
Conc: 26.57 ng/ml m

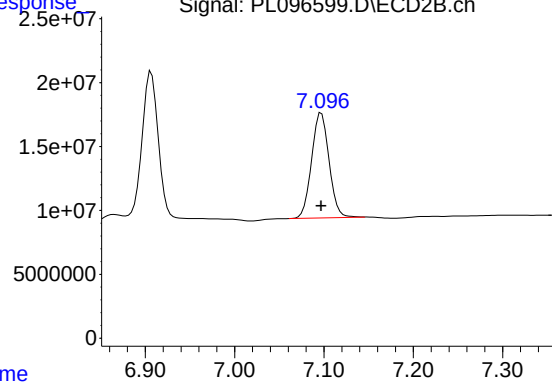
Time Response_ Signal: PL096599.D\ECD1A.ch



#22 Mirex

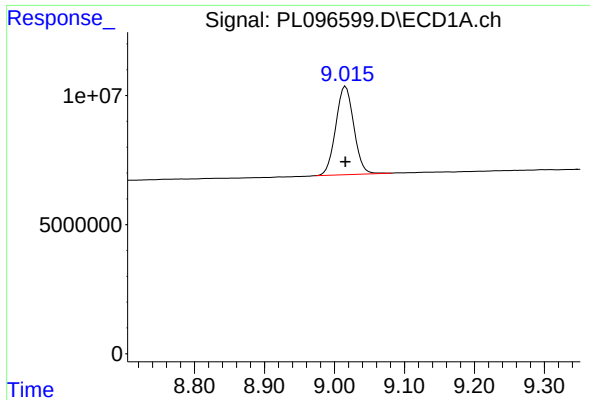
R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 63693911
Conc: 26.12 ng/ml

Time Response Signal: PL096599.D\ECD2B.ch



#22 Mirex

R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 111590978
Conc: 26.23 ng/ml



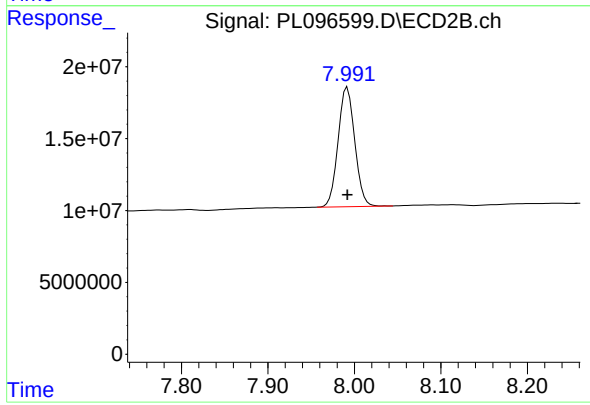
#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: 0.000 min
Response: 61253778
Conc: 26.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 110748988
Conc: 26.22 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
 Data File : PL096600.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 17:47
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/29/2025
 Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 29 07:45:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 07:36:56 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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	16289913	24636469	5.193	5.207
28) SA Decachlor...	9.016	7.992	13081800	24155779	5.647	5.719
Target Compounds						
2) A alpha-BHC	3.981	3.333	21891026	33671129	4.713	4.718
3) MA gamma-BHC...	4.310	3.664	21804234	32260997	4.966	4.863
4) MA Heptachlor	4.901	4.013	20915741	33277461	5.065m	4.998
5) MB Aldrin	5.240	4.296	21509762	30546909	5.039m	4.903
6) B beta-BHC	4.497	3.961	9319336	14886777	5.233	5.350
7) B delta-BHC	4.742	4.194	19209773	31362311	4.828	4.829
8) B Heptachlo...	5.660	4.798	19218202	28926139	4.995m	5.076
9) A Endosulfan I	6.043	5.169	18404240	30432392	5.204	5.675
10) B gamma-Chl...	5.915	5.050	18527805	28851412	4.875	4.891
11) B alpha-Chl...	5.996	5.115	19648624	31301796	5.168	5.397
12) B 4,4'-DDE	6.165	5.303	16169148	26895387	5.138	4.854
13) MA Dieldrin	6.315	5.434	17886564	29267822	4.817	4.962
14) MA Endrin	6.541	5.709	14803966	27745055	4.957	5.161
15) B Endosulfa...	6.753	6.000	18583621	26018008	6.107m	5.079
16) A 4,4'-DDD	6.674	5.856	12297723	23708739	4.873	5.052
17) MA 4,4'-DDT	6.989	6.108	13672011	24000169	4.739	4.689
18) B Endrin al...	6.884	6.177	11040304	28959356	5.195	7.720m#
19) B Endosulfa...	7.117	6.402	14782385	26237528	5.184	5.182
20) A Methoxychlor	7.462	6.681	7310793	14153462	4.946	5.181
21) B Endrin ke...	7.597	6.907	15006830	27568439	4.996	4.986
22) Mirex	8.076	7.097	13350221	24190284	5.474	5.686

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:47
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

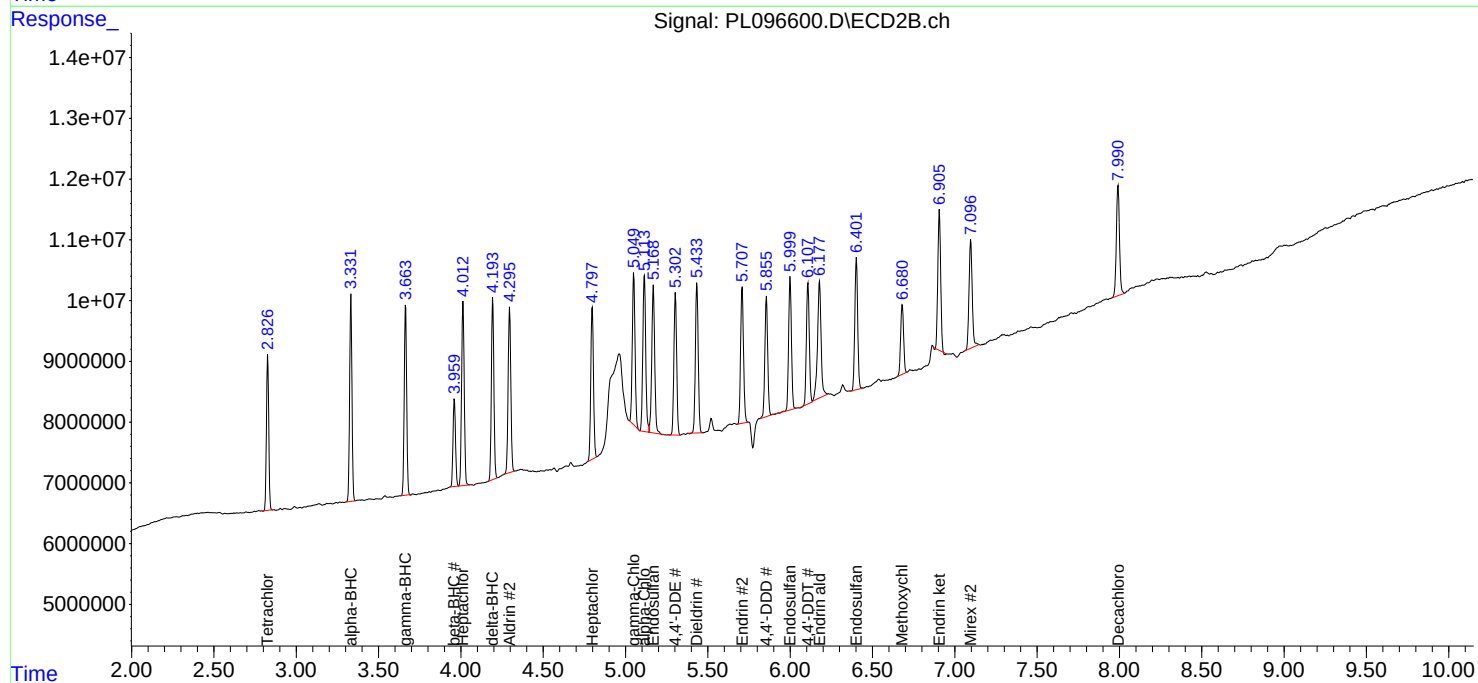
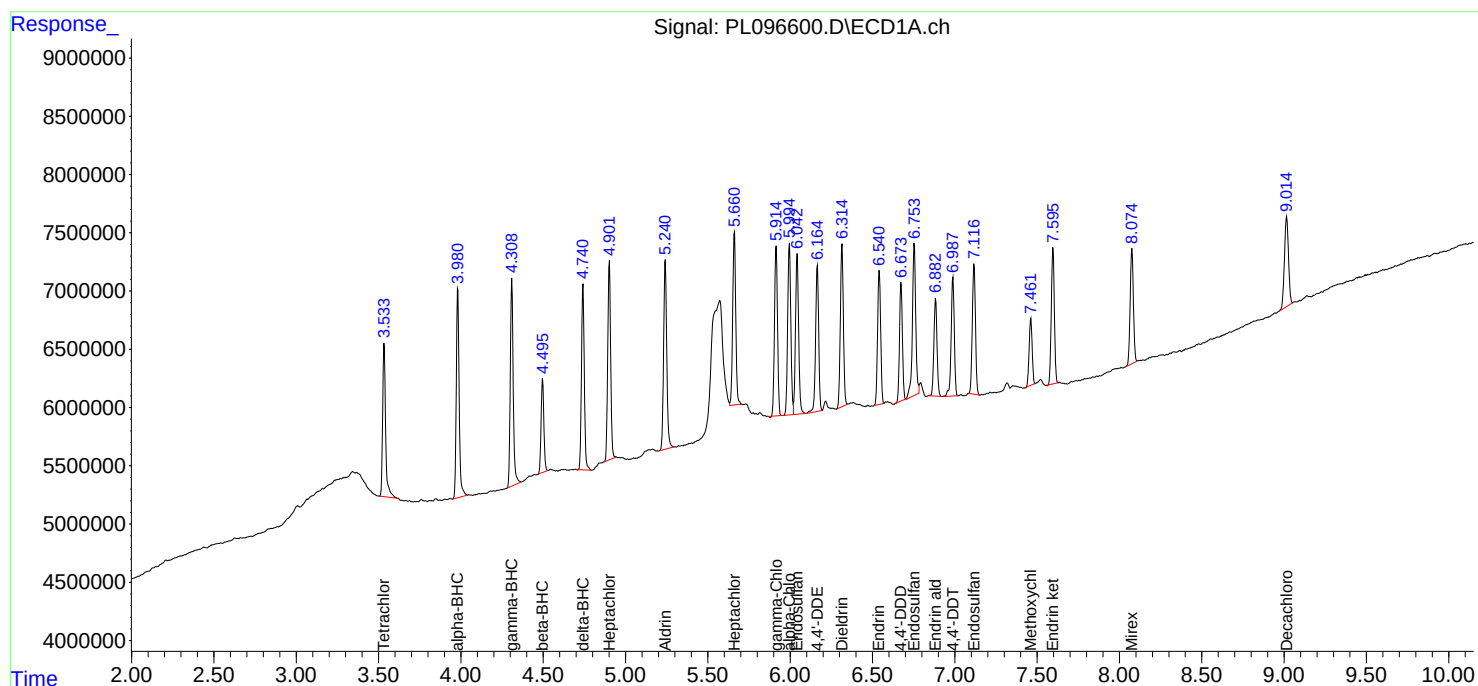
APPROVED

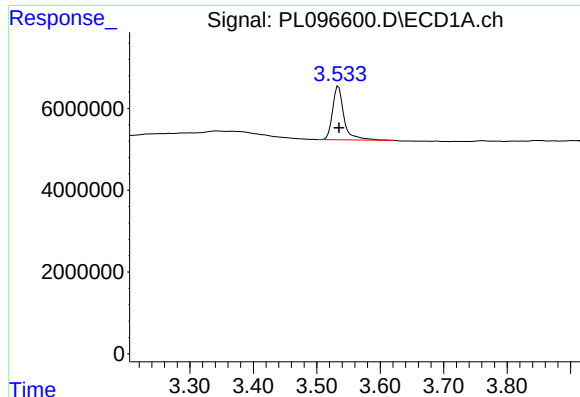
Reviewed By :Abdul Mirza 07/29/2025

Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 07:45:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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





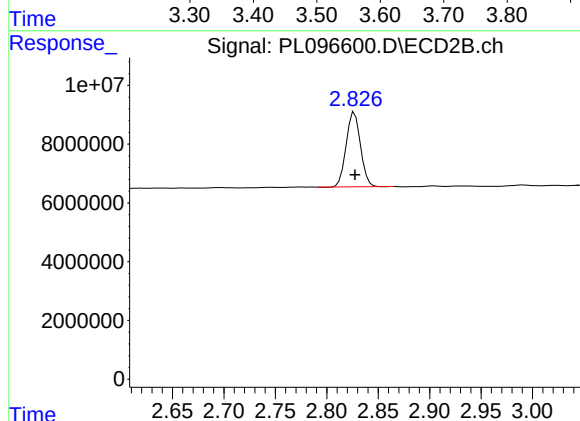
#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: 0.000 min
Response: 16289913
Conc: 5.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

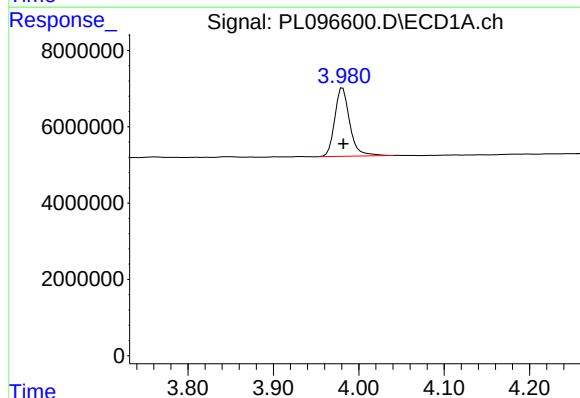
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



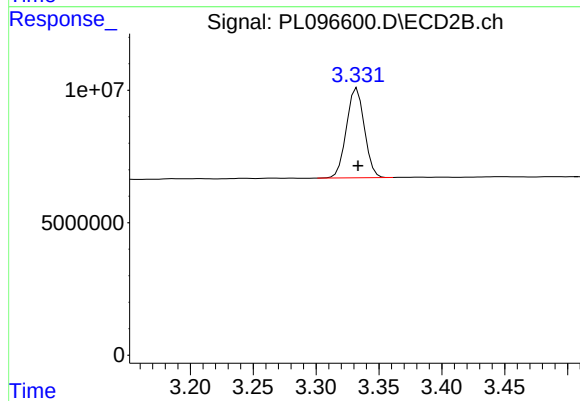
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: 0.000 min
Response: 24636469
Conc: 5.21 ng/ml



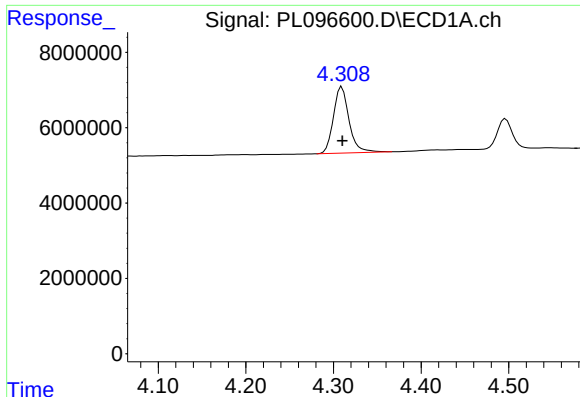
#2 alpha-BHC

R.T.: 3.981 min
Delta R.T.: 0.000 min
Response: 21891026
Conc: 4.71 ng/ml



#2 alpha-BHC

R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 33671129
Conc: 4.72 ng/ml



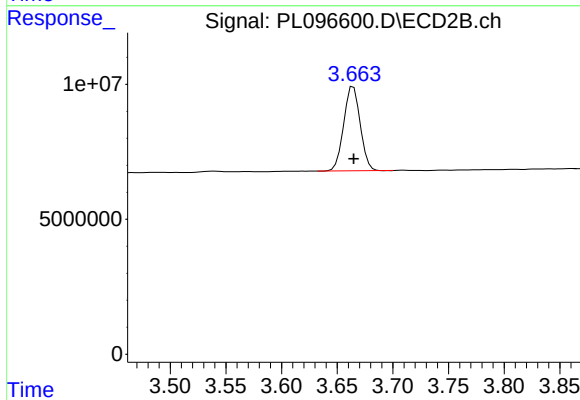
#3 gamma-BHC (Lindane)

R.T.: 4.310 min
Delta R.T.: 0.000 min
Response: 21804234
Conc: 4.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

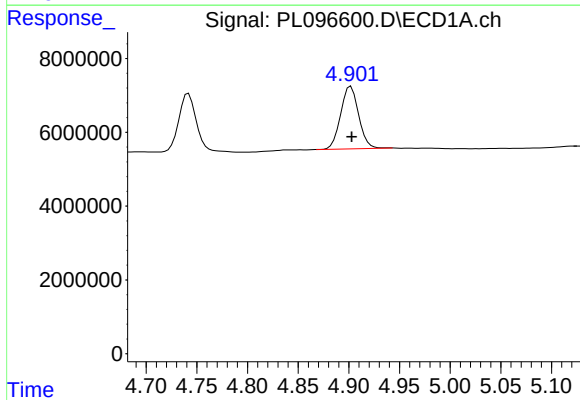
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



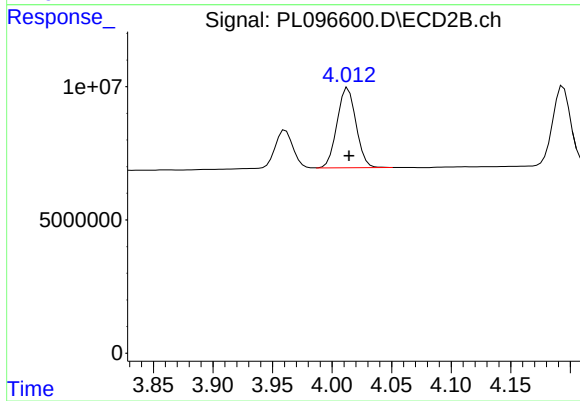
#3 gamma-BHC (Lindane)

R.T.: 3.664 min
Delta R.T.: 0.000 min
Response: 32260997
Conc: 4.86 ng/ml



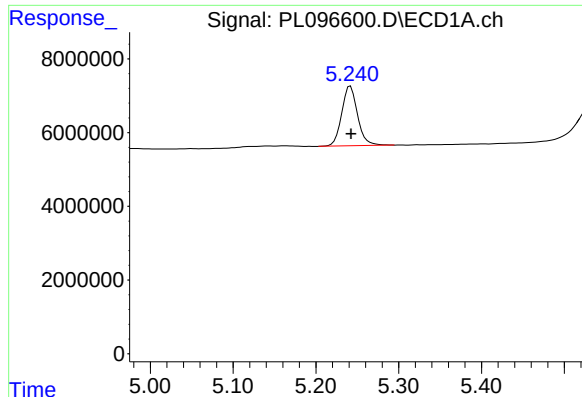
#4 Heptachlor

R.T.: 4.901 min
Delta R.T.: -0.002 min
Response: 20915741
Conc: 5.06 ng/ml m



#4 Heptachlor

R.T.: 4.013 min
Delta R.T.: 0.000 min
Response: 33277461
Conc: 5.00 ng/ml



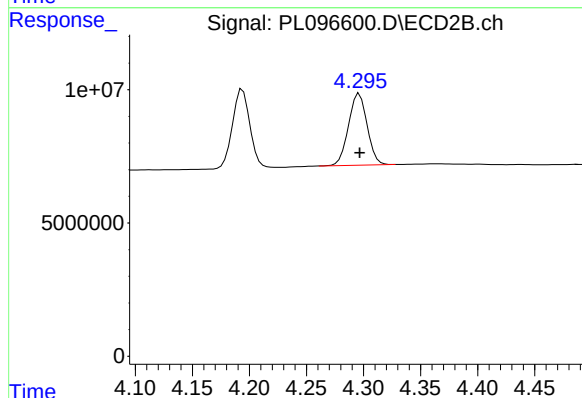
#5 Aldrin

R.T.: 5.240 min
Delta R.T.: -0.002 min
Response: 21509762
Conc: 5.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

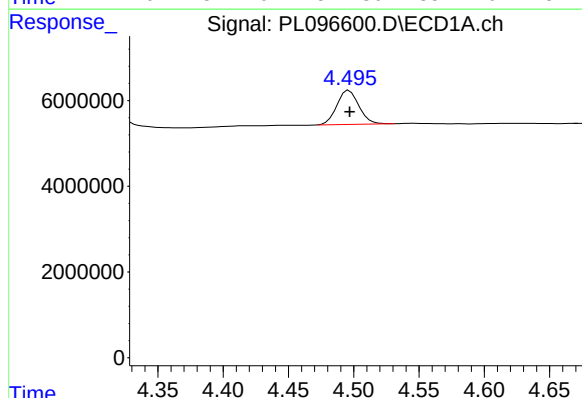
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



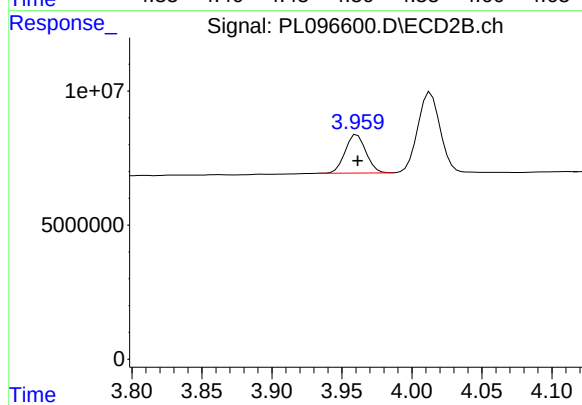
#5 Aldrin

R.T.: 4.296 min
Delta R.T.: 0.000 min
Response: 30546909
Conc: 4.90 ng/ml



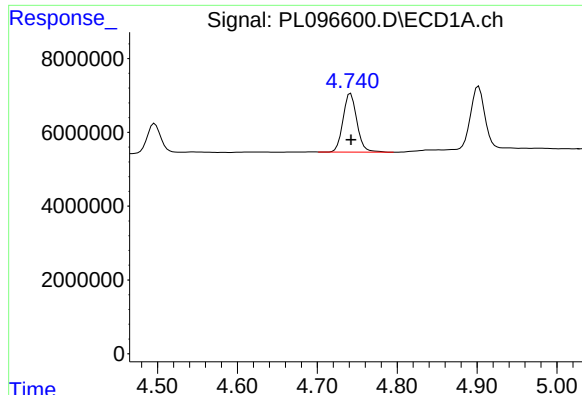
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: 0.000 min
Response: 9319336
Conc: 5.23 ng/ml



#6 beta-BHC

R.T.: 3.961 min
Delta R.T.: 0.000 min
Response: 14886777
Conc: 5.35 ng/ml



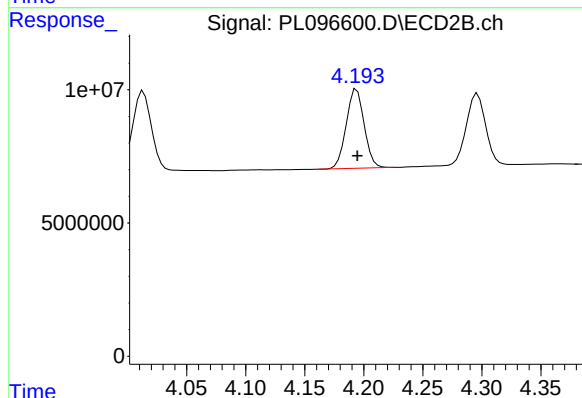
#7 delta-BHC

R.T.: 4.742 min
Delta R.T.: 0.000 min
Response: 19209773
Conc: 4.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

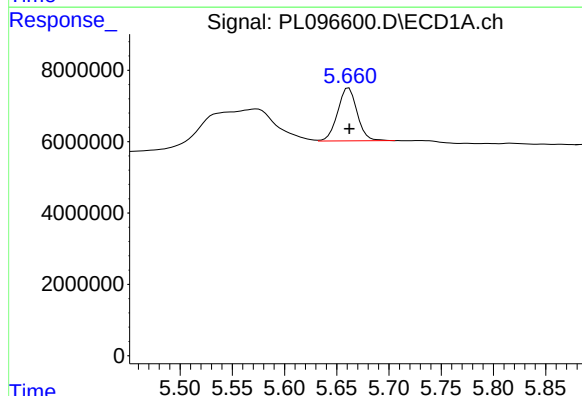
Manual Integrations
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Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



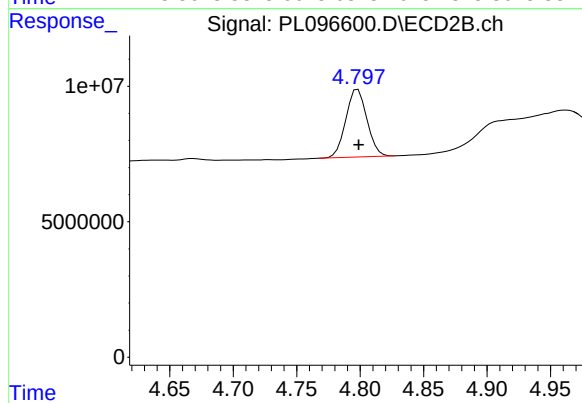
#7 delta-BHC

R.T.: 4.194 min
Delta R.T.: 0.000 min
Response: 31362311
Conc: 4.83 ng/ml



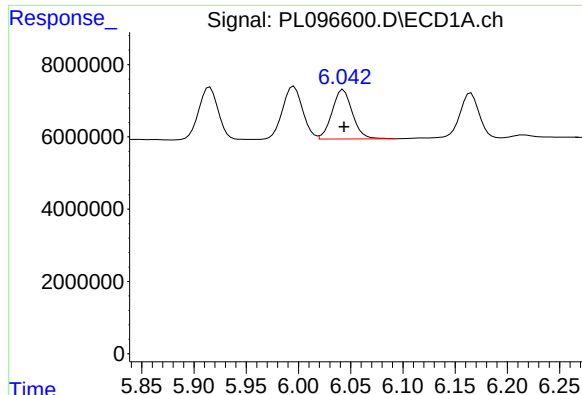
#8 Heptachlor epoxide

R.T.: 5.660 min
Delta R.T.: -0.002 min
Response: 19218202
Conc: 5.00 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 28926139
Conc: 5.08 ng/ml



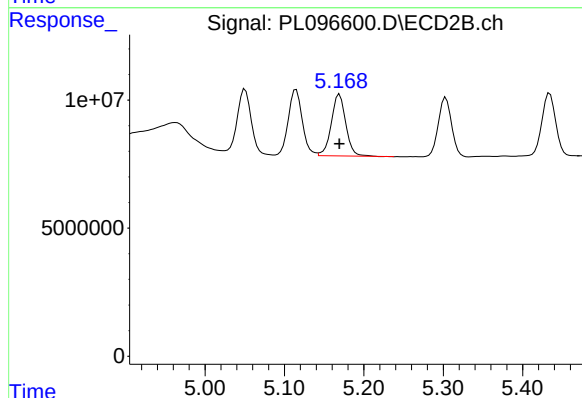
#9 Endosulfan I

R.T.: 6.043 min
Delta R.T.: 0.000 min
Response: 18404240
Conc: 5.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

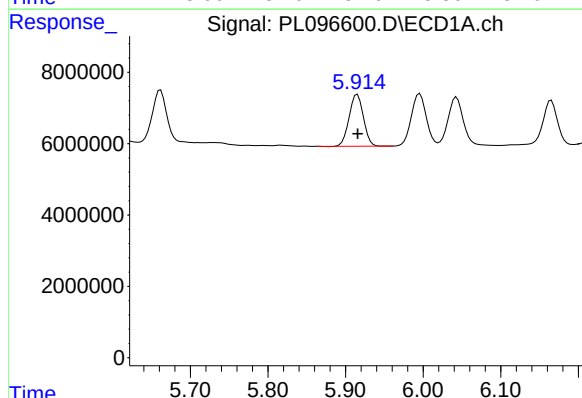
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



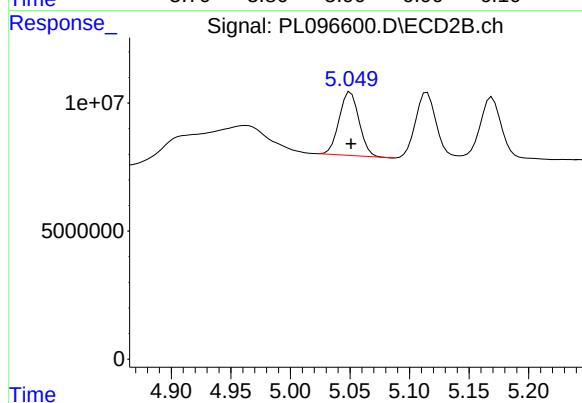
#9 Endosulfan I

R.T.: 5.169 min
Delta R.T.: 0.000 min
Response: 30432392
Conc: 5.67 ng/ml



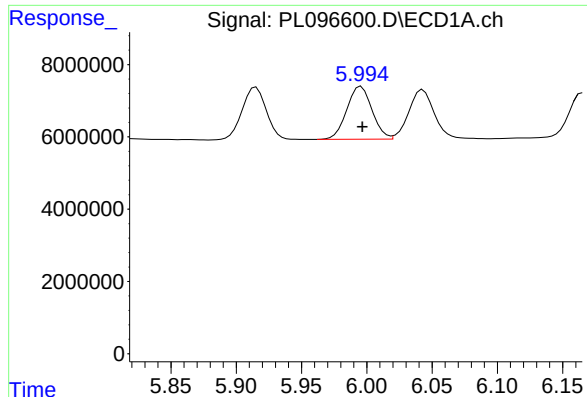
#10 gamma-Chlordane

R.T.: 5.915 min
Delta R.T.: 0.000 min
Response: 18527805
Conc: 4.87 ng/ml



#10 gamma-Chlordane

R.T.: 5.050 min
Delta R.T.: 0.000 min
Response: 28851412
Conc: 4.89 ng/ml



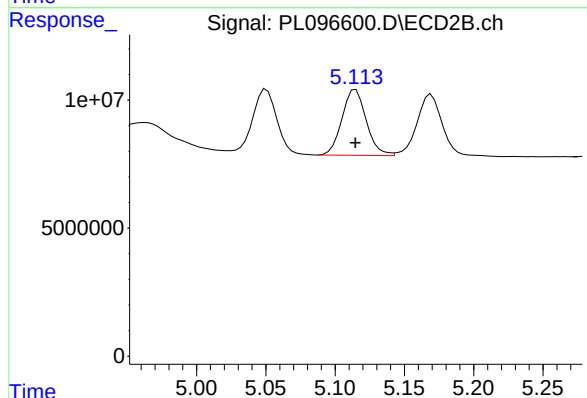
#11 alpha-Chlordane

R.T.: 5.996 min
Delta R.T.: 0.000 min
Response: 19648624
Conc: 5.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

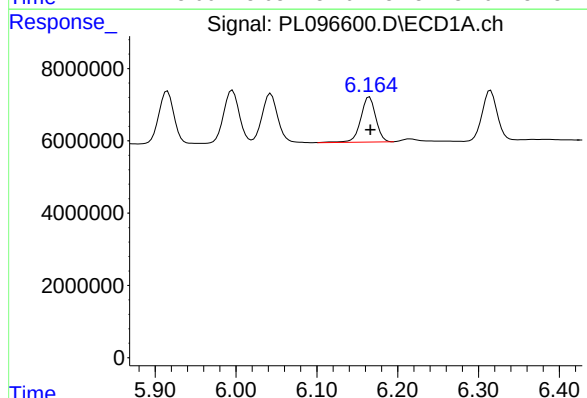
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



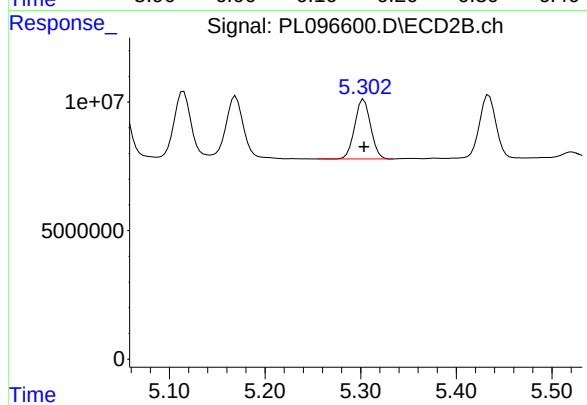
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 31301796
Conc: 5.40 ng/ml



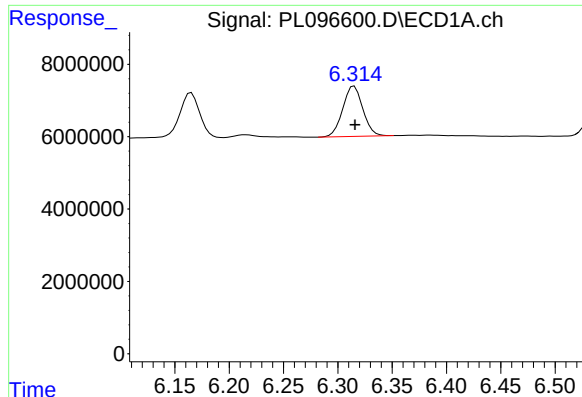
#12 4,4'-DDE

R.T.: 6.165 min
Delta R.T.: 0.000 min
Response: 16169148
Conc: 5.14 ng/ml



#12 4,4'-DDE

R.T.: 5.303 min
Delta R.T.: 0.000 min
Response: 26895387
Conc: 4.85 ng/ml



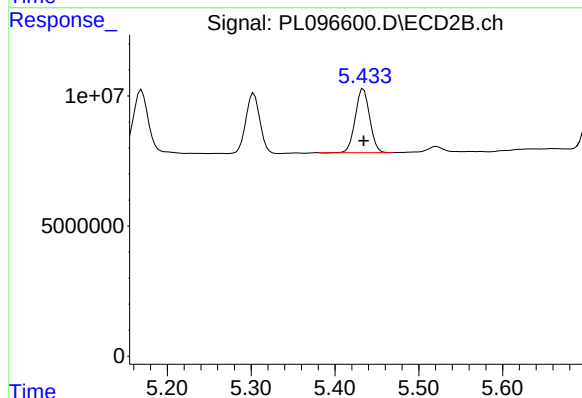
#13 Dieldrin

R.T.: 6.315 min
Delta R.T.: 0.000 min
Response: 17886564
Conc: 4.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

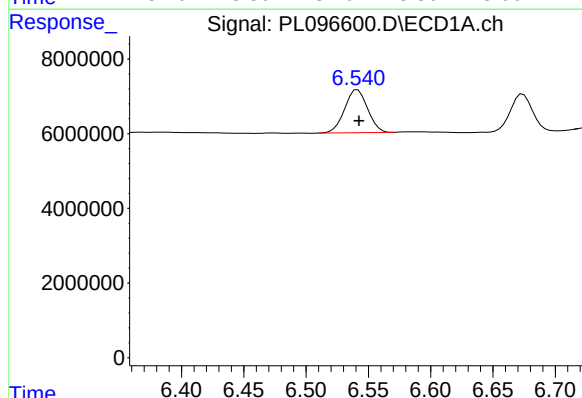
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



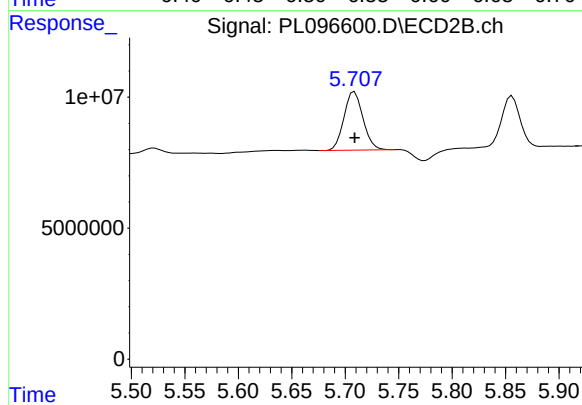
#13 Dieldrin

R.T.: 5.434 min
Delta R.T.: 0.000 min
Response: 29267822
Conc: 4.96 ng/ml



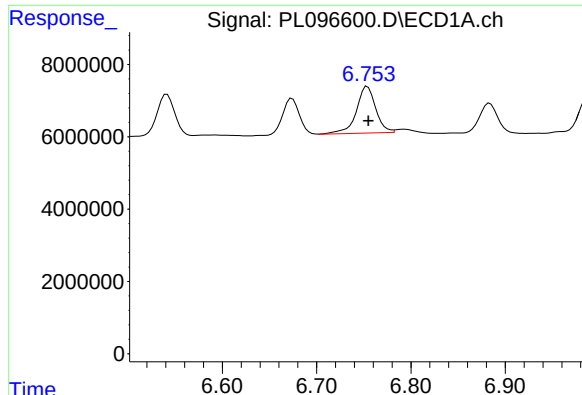
#14 Endrin

R.T.: 6.541 min
Delta R.T.: -0.001 min
Response: 14803966
Conc: 4.96 ng/ml



#14 Endrin

R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 27745055
Conc: 5.16 ng/ml



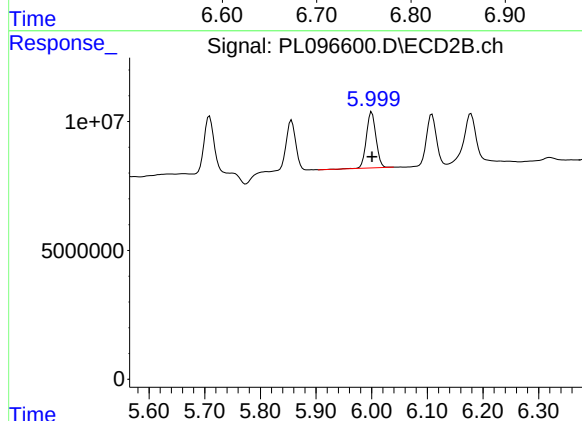
#15 Endosulfan II

R.T.: 6.753 min
Delta R.T.: -0.002 min
Response: 18583621
Conc: 6.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

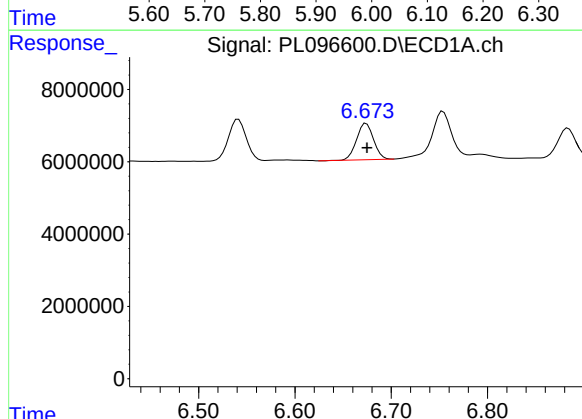
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



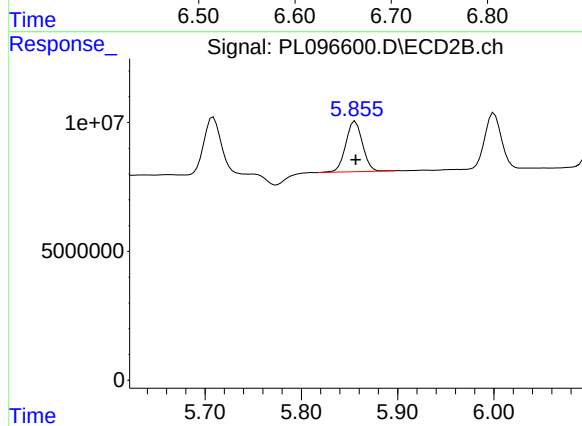
#15 Endosulfan II

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 26018008
Conc: 5.08 ng/ml



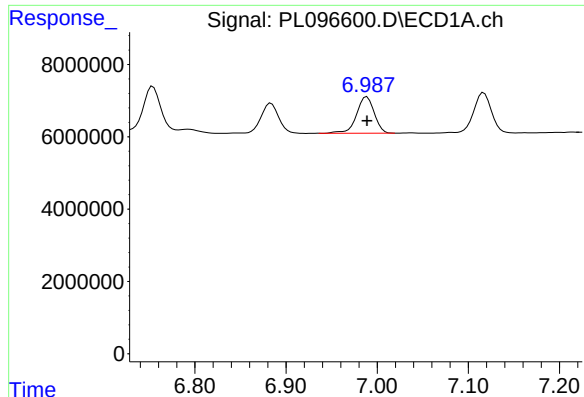
#16 4,4'-DDD

R.T.: 6.674 min
Delta R.T.: 0.000 min
Response: 12297723
Conc: 4.87 ng/ml



#16 4,4'-DDD

R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 23708739
Conc: 5.05 ng/ml



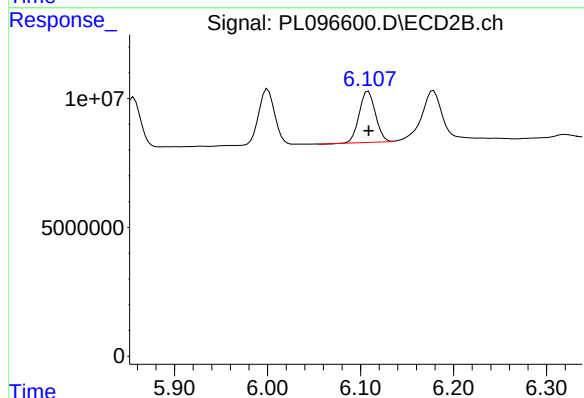
#17 4,4'-DDT

R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 13672011
Conc: 4.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

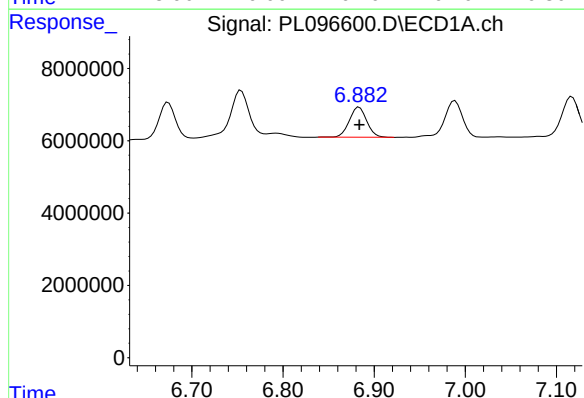
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



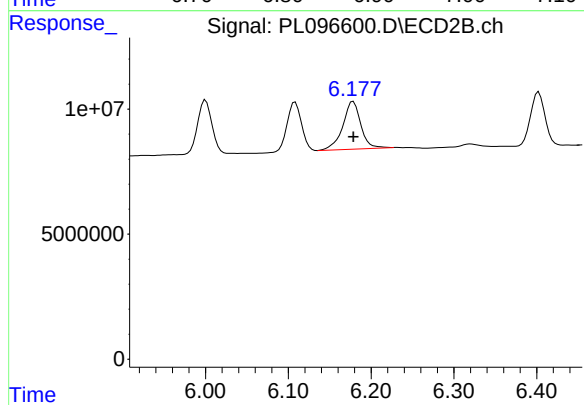
#17 4,4'-DDT

R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 24000169
Conc: 4.69 ng/ml



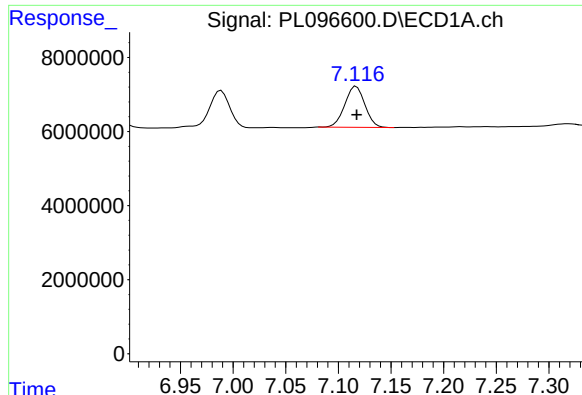
#18 Endrin aldehyde

R.T.: 6.884 min
Delta R.T.: 0.000 min
Response: 11040304
Conc: 5.20 ng/ml



#18 Endrin aldehyde

R.T.: 6.177 min
Delta R.T.: -0.002 min
Response: 28959356
Conc: 7.72 ng/ml m



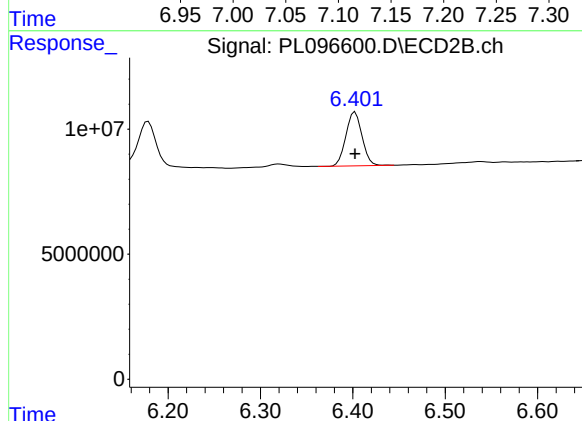
#19 Endosulfan Sulfate

R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 14782385
Conc: 5.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

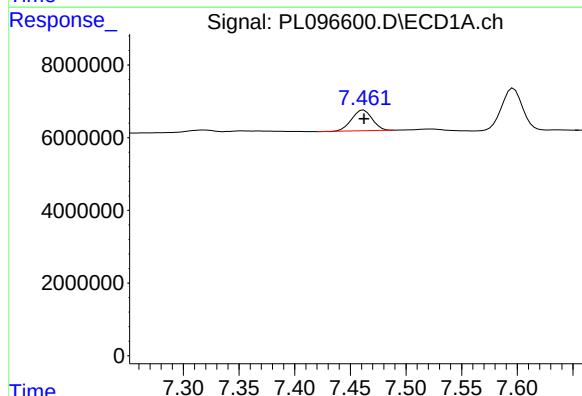
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



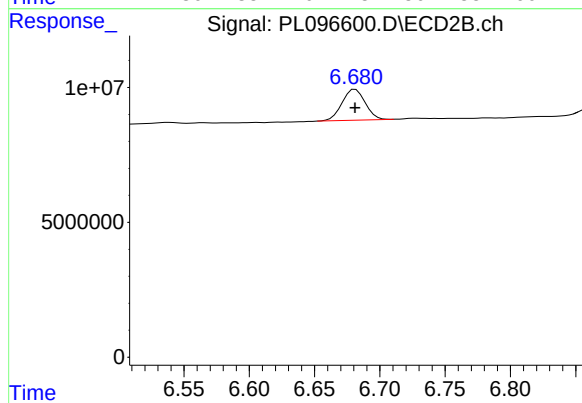
#19 Endosulfan Sulfate

R.T.: 6.402 min
Delta R.T.: 0.000 min
Response: 26237528
Conc: 5.18 ng/ml



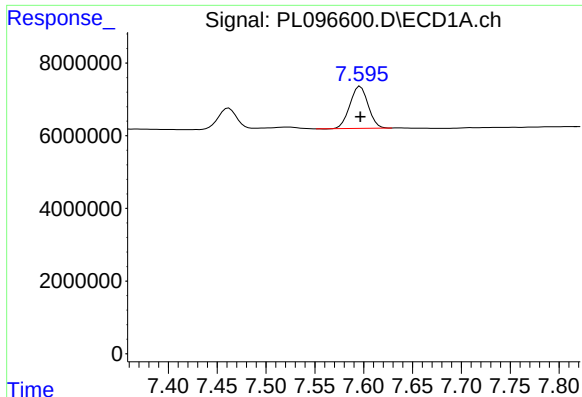
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 7310793
Conc: 4.95 ng/ml



#20 Methoxychlor

R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 14153462
Conc: 5.18 ng/ml



#21 Endrin ketone

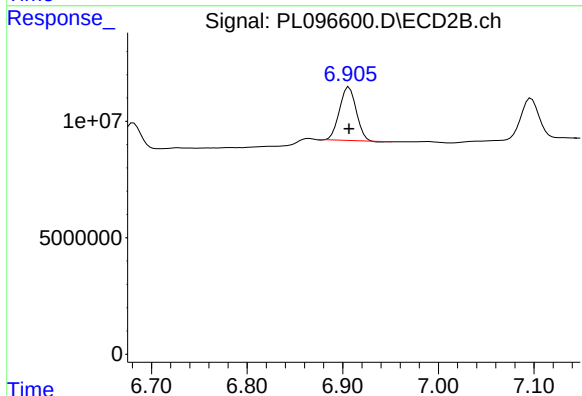
R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 15006830
Conc: 5.00 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

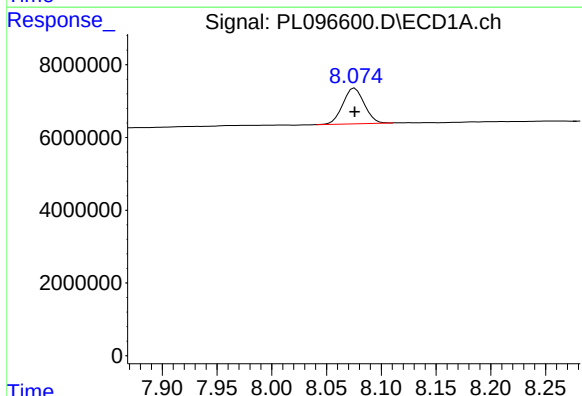
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



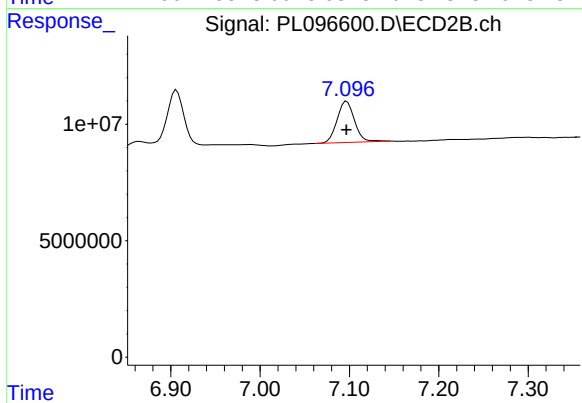
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 27568439
Conc: 4.99 ng/ml



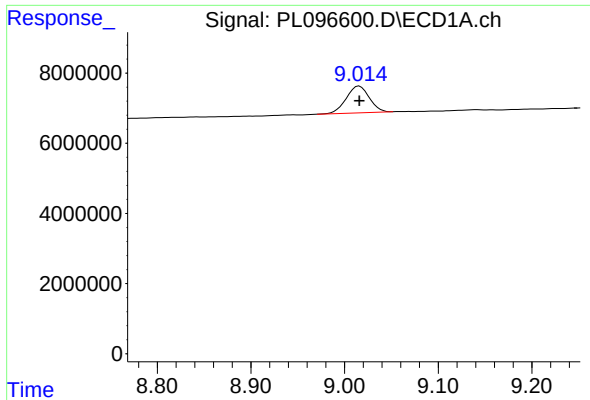
#22 Mirex

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 13350221
Conc: 5.47 ng/ml



#22 Mirex

R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 24190284
Conc: 5.69 ng/ml



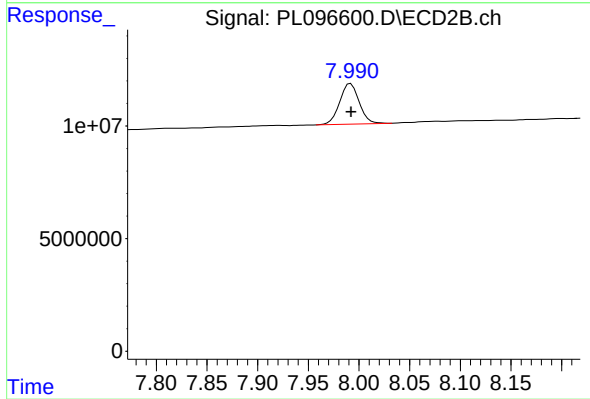
#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: 0.000 min
Response: 13081800
Conc: 5.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 24155779
Conc: 5.72 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
 Data File : PL096603.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 18:27
 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 29 08:11:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:08:04 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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	154.7E6	305.4E6	50.000	50.000
28)	SA Decachlor...	9.015	7.991	113.6E6	210.4E6	50.000	50.000
Target Compounds							
23)	Chlordane-1	4.689	3.838	80999277	100.1E6	500.000	500.000
24)	Chlordane-2	5.213	4.418	83409909	115.0E6	500.000	500.000
25)	Chlordane-3	5.917	5.052	326.5E6	336.1E6	500.000	500.000
26)	Chlordane-4	6.001	5.115	403.5E6	300.6E6	500.000	500.000
27)	Chlordane-5	6.838	6.009	63996555	122.4E6	500.000	500.000

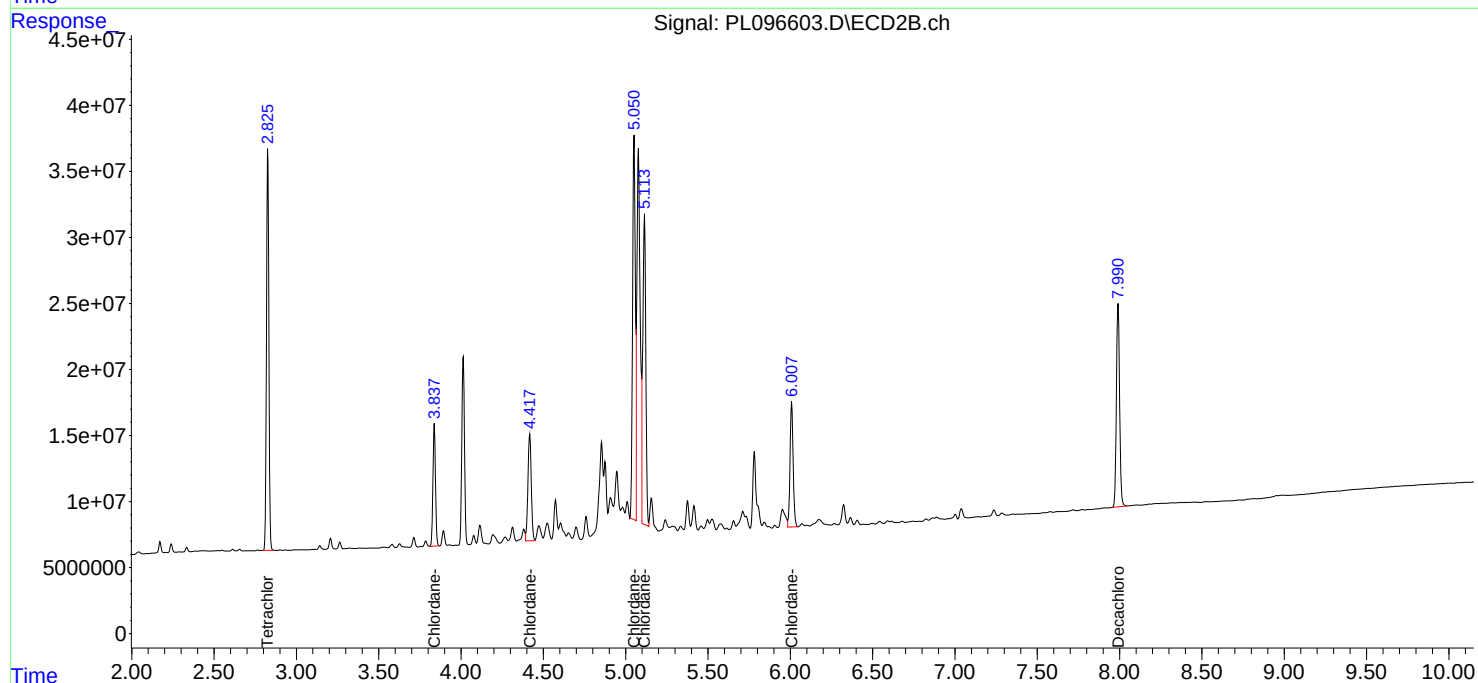
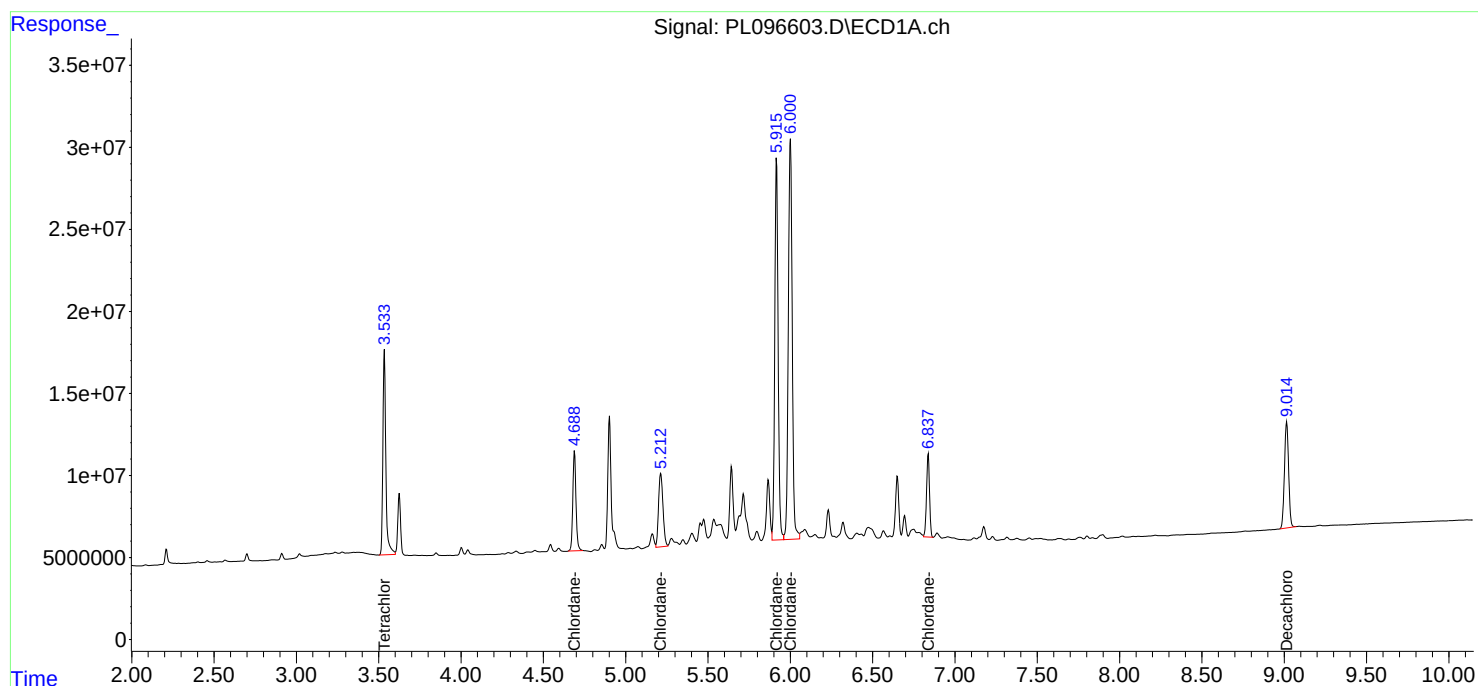
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

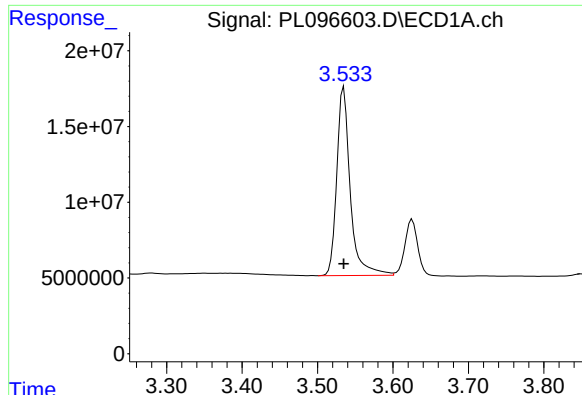
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 18:27
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:11:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:08:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

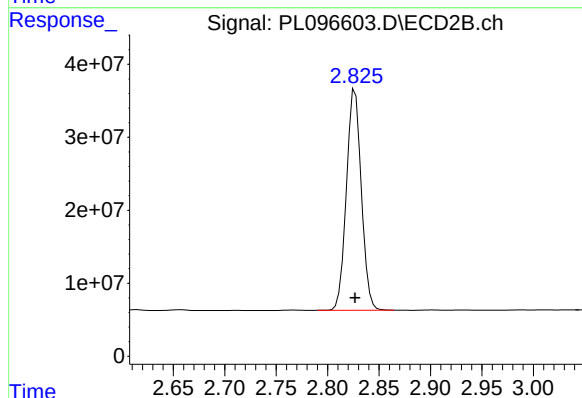




#1 Tetrachloro-m-xylene

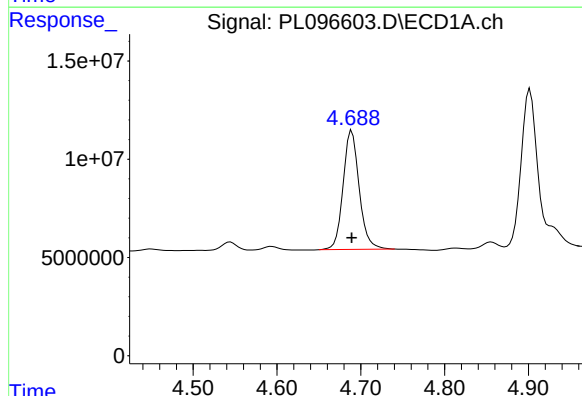
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 154680305
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



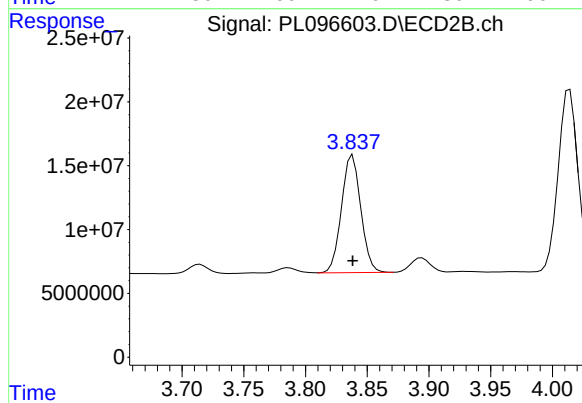
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: 0.000 min
Response: 305382843
Conc: 50.00 ng/ml



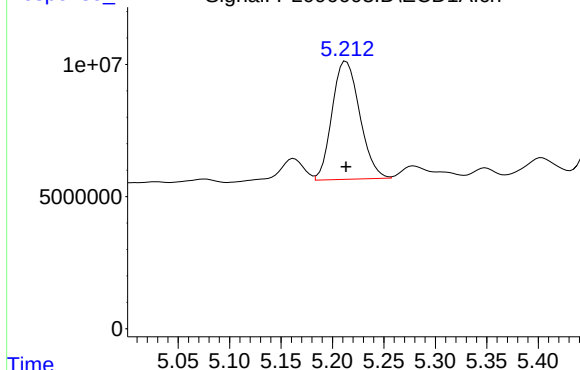
#23 Chlordane-1

R.T.: 4.689 min
Delta R.T.: 0.000 min
Response: 80999277
Conc: 500.00 ng/ml



#23 Chlordane-1

R.T.: 3.838 min
Delta R.T.: 0.000 min
Response: 100066760
Conc: 500.00 ng/ml



R.T.: 5.213 min
Delta R.T.: 0.000 min
Response: 83409909
Conc: 500.00 ng/ml

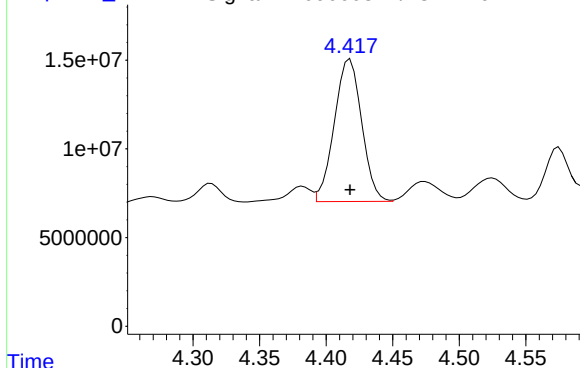
Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Time

Response_

Signal: PL096603.D\ECD2B.ch

#24 Chlordane-2



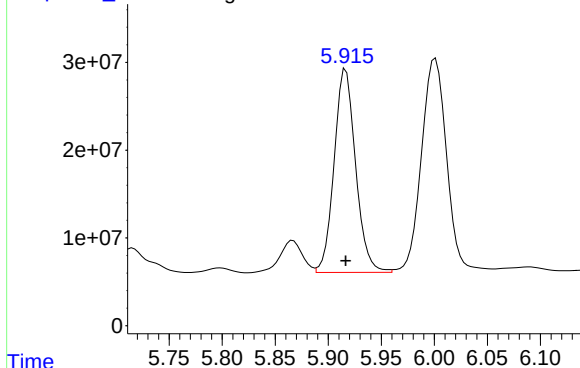
R.T.: 4.418 min
Delta R.T.: 0.000 min
Response: 115003204
Conc: 500.00 ng/ml

Time

Response_

Signal: PL096603.D\ECD1A.ch

#25 Chlordane-3



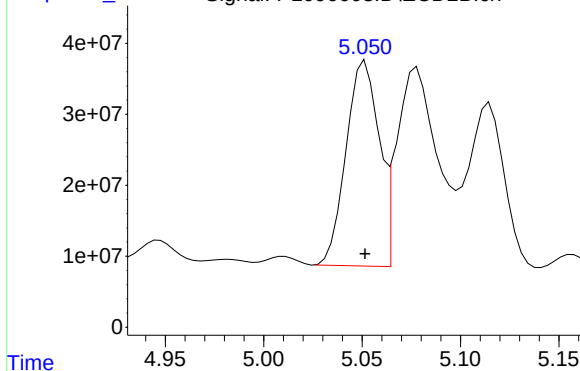
R.T.: 5.917 min
Delta R.T.: 0.000 min
Response: 326513783
Conc: 500.00 ng/ml

Time

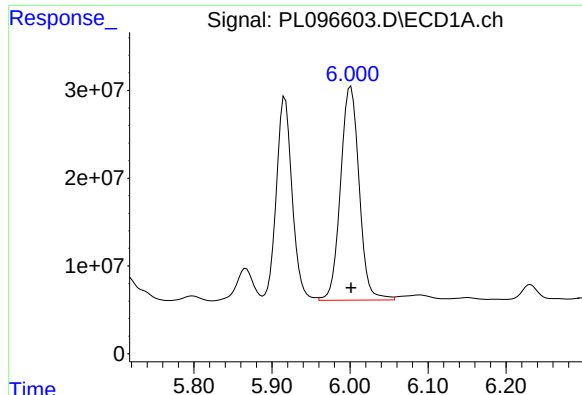
Response_

Signal: PL096603.D\ECD2B.ch

#25 Chlordane-3



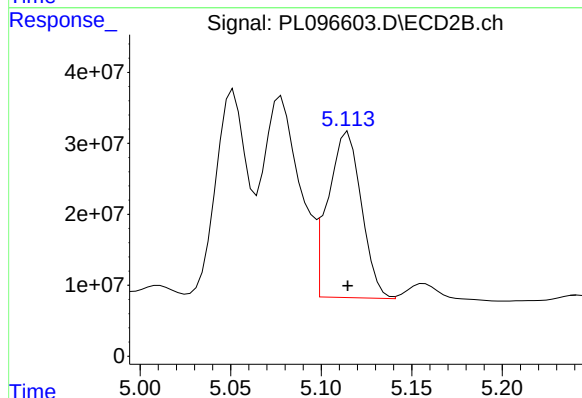
R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 336093734
Conc: 500.00 ng/ml



#26 Chlordane-4

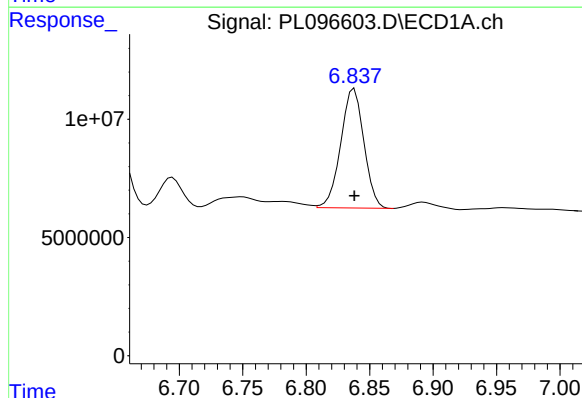
R.T.: 6.001 min
Delta R.T.: 0.000 min
Response: 403531433
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



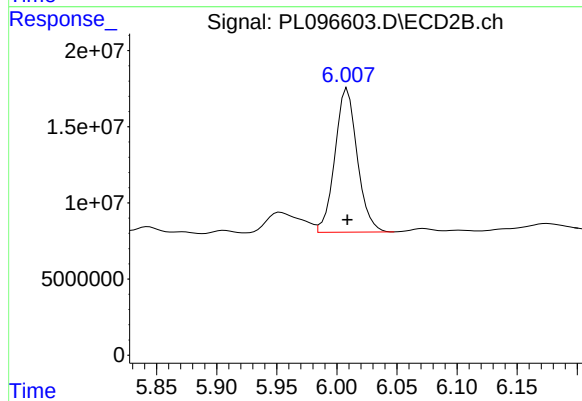
#26 Chlordane-4

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 300621016
Conc: 500.00 ng/ml



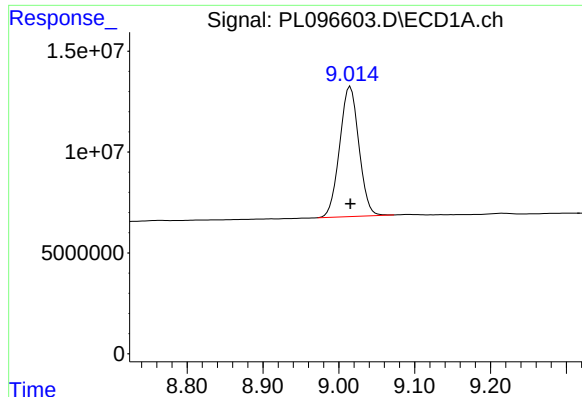
#27 Chlordane-5

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 63996555
Conc: 500.00 ng/ml



#27 Chlordane-5

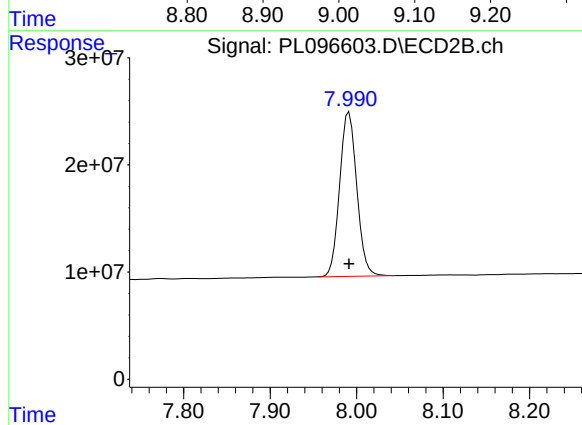
R.T.: 6.009 min
Delta R.T.: 0.000 min
Response: 122398851
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.015 min
Delta R.T.: 0.000 min
Response: 113631254
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 7.991 min
Delta R.T.: 0.000 min
Response: 210412831
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
 Data File : PL096608.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 19:36
 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 29 08:35:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:34:10 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 x 0.3 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...	3.535	2.828	165.3E6	248.4E6	50.000	50.000
7) SA Decachlor...	9.015	7.992	122.2E6	228.1E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.211	5.073	14576752	17023794	500.000	500.000
3) Toxaphene-2	6.610	5.758	12222511	22039332	500.000	500.000
4) Toxaphene-3	7.024	6.039	55136340	22316397	500.000	500.000
5) Toxaphene-4	7.114	6.673	40523177	73531411	500.000	500.000
6) Toxaphene-5	7.892	7.114	28936559	46003063	500.000	500.000

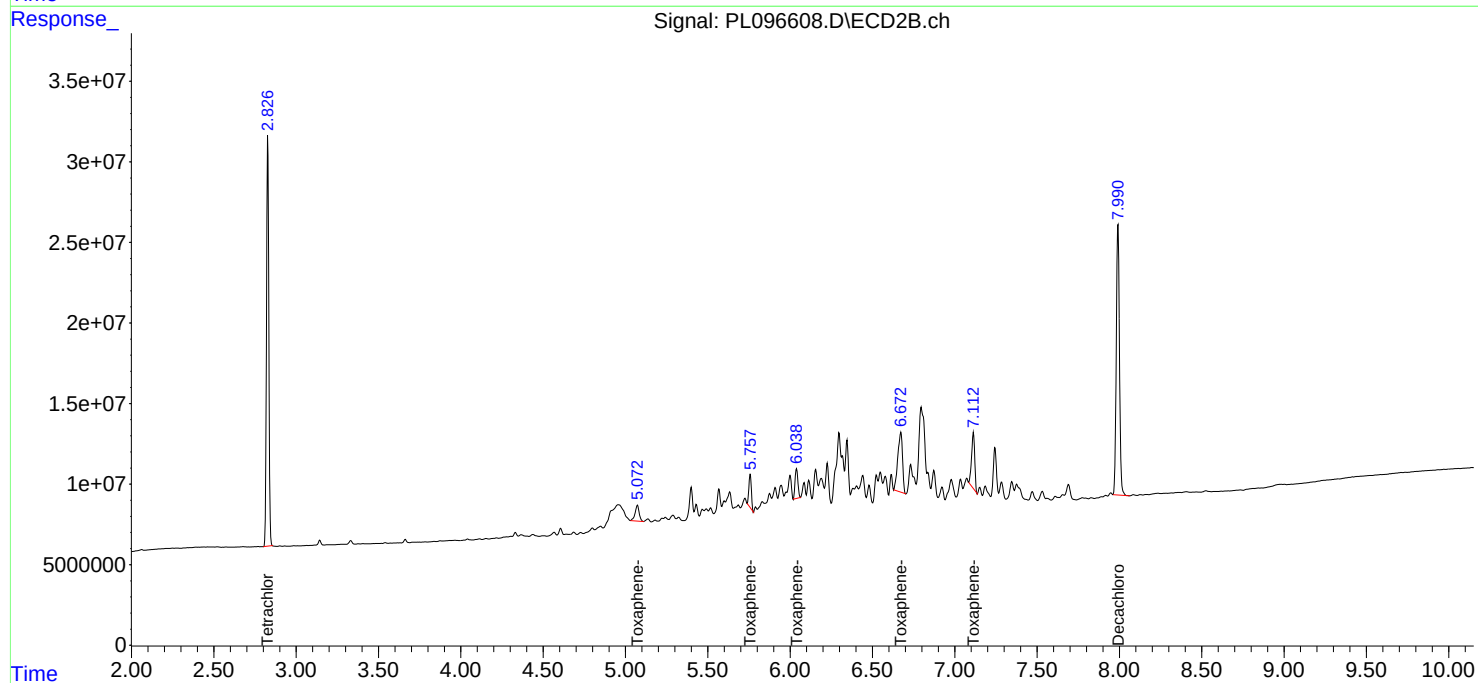
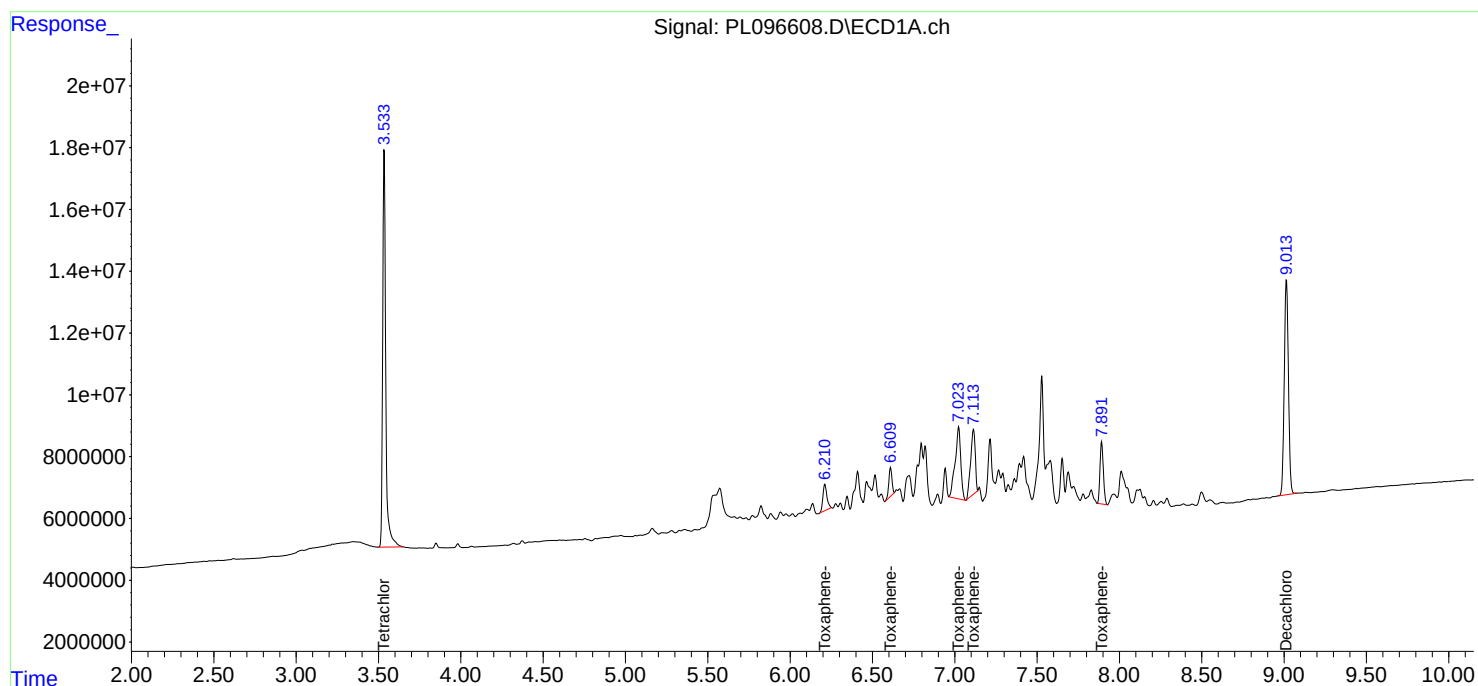
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

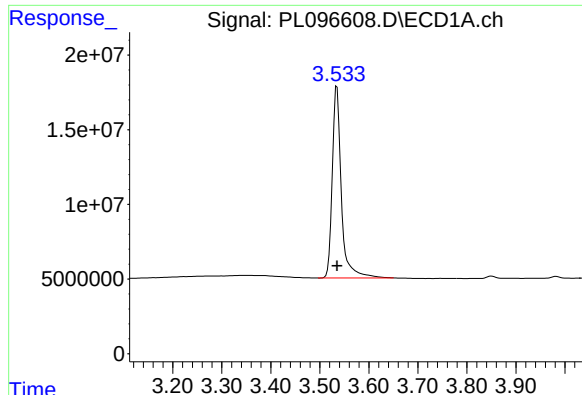
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 19:36
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:35:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:34:10 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

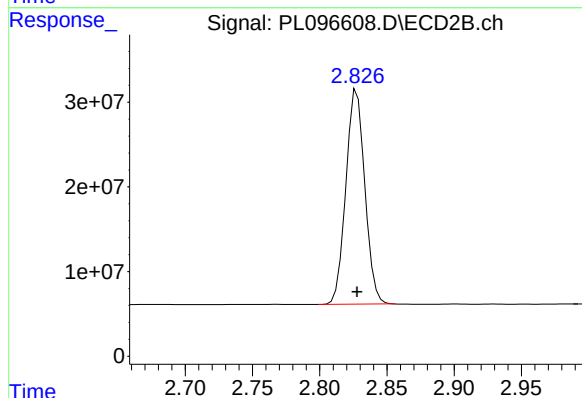




#1 Tetrachloro-m-xylene

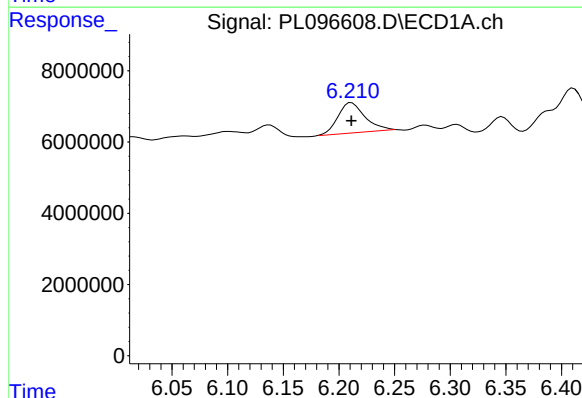
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 165314687
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



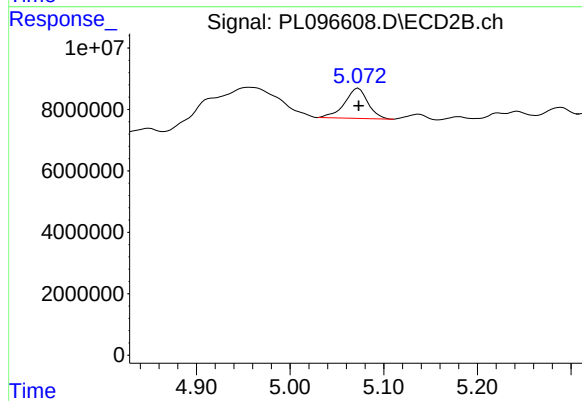
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 248396246
Conc: 50.00 ng/ml



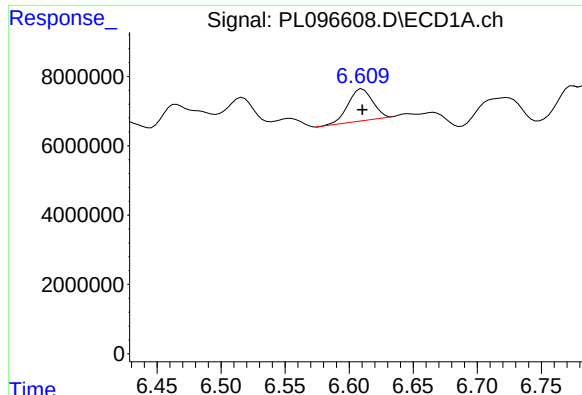
#2 Toxaphene-1

R.T.: 6.211 min
Delta R.T.: 0.000 min
Response: 14576752
Conc: 500.00 ng/ml



#2 Toxaphene-1

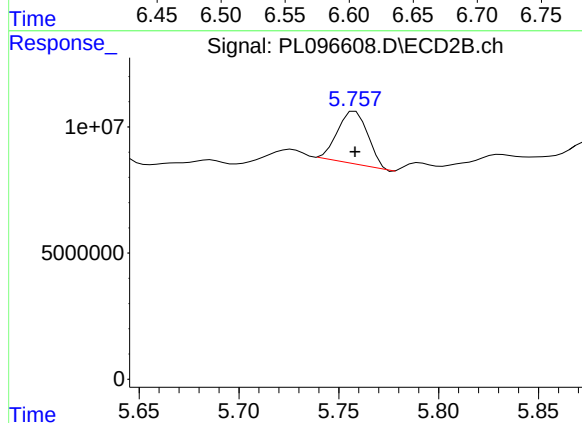
R.T.: 5.073 min
Delta R.T.: 0.000 min
Response: 17023794
Conc: 500.00 ng/ml



#3 Toxaphene-2

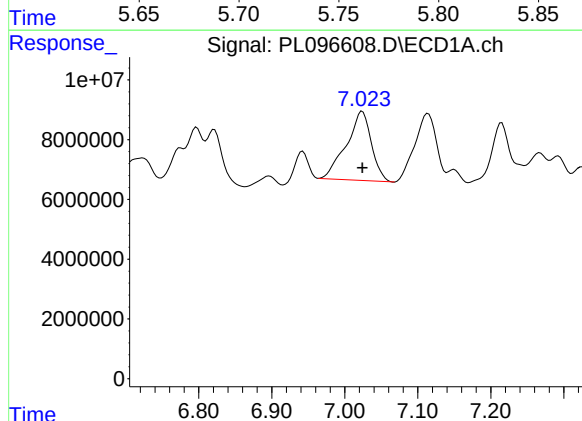
R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 12222511
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



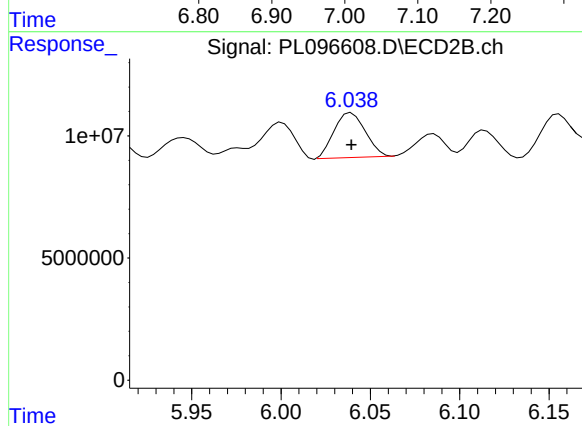
#3 Toxaphene-2

R.T.: 5.758 min
Delta R.T.: 0.000 min
Response: 22039332
Conc: 500.00 ng/ml



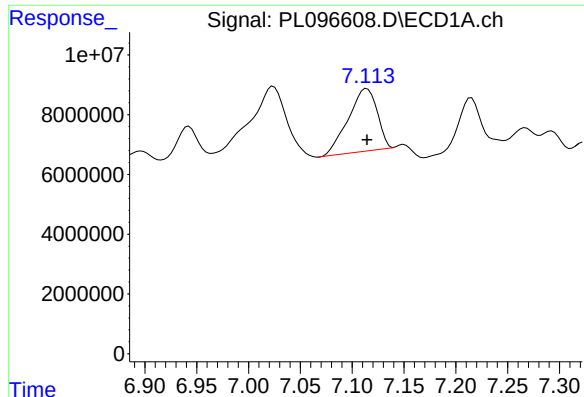
#4 Toxaphene-3

R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 55136340
Conc: 500.00 ng/ml



#4 Toxaphene-3

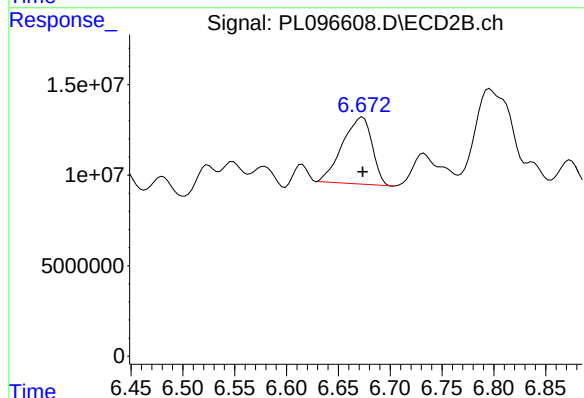
R.T.: 6.039 min
Delta R.T.: 0.000 min
Response: 22316397
Conc: 500.00 ng/ml



#5 Toxaphene-4

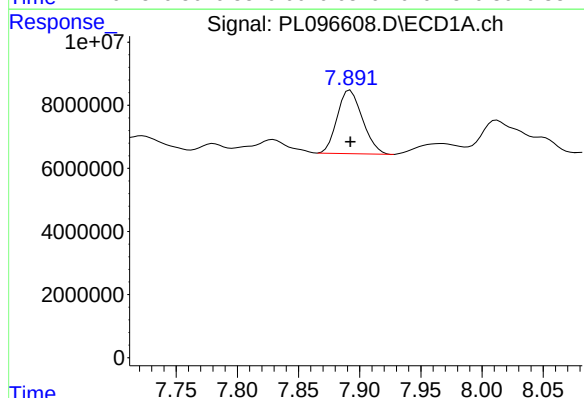
R.T.: 7.114 min
Delta R.T.: 0.000 min
Response: 40523177
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



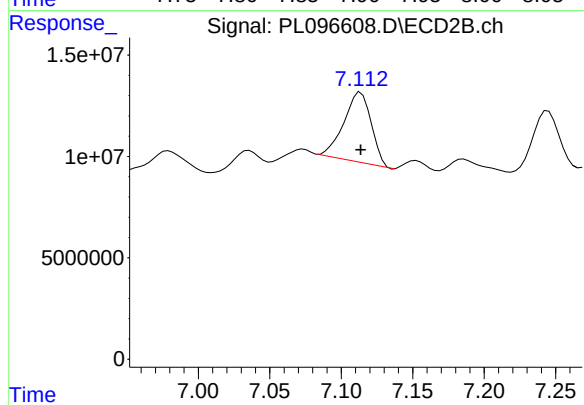
#5 Toxaphene-4

R.T.: 6.673 min
Delta R.T.: 0.000 min
Response: 73531411
Conc: 500.00 ng/ml



#6 Toxaphene-5

R.T.: 7.892 min
Delta R.T.: 0.000 min
Response: 28936559
Conc: 500.00 ng/ml



#6 Toxaphene-5

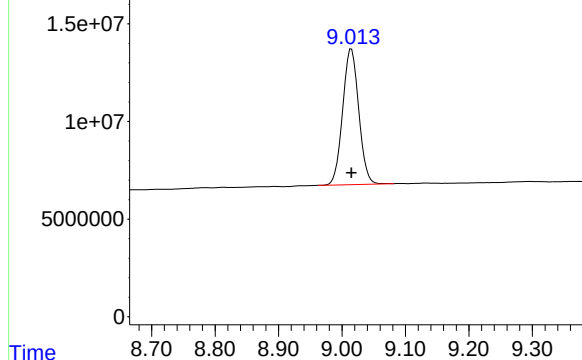
R.T.: 7.114 min
Delta R.T.: 0.000 min
Response: 46003063
Conc: 500.00 ng/ml

Response_

Signal: PL096608.D\ECD1A.ch

#7 Decachlorobiphenyl

ICAL Form



R.T.: 9.015 min
Delta R.T.: 0.000 min
Response: 122190524
Conc: 50.00 ng/ml

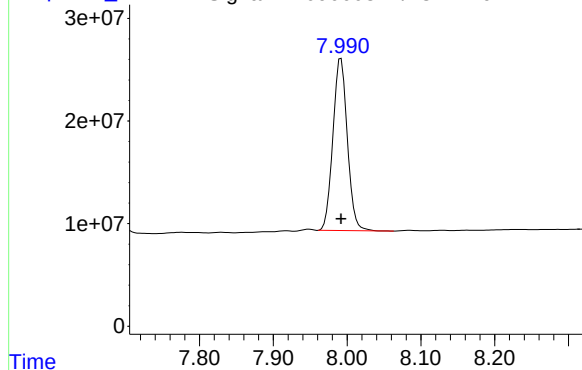
Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Time

Response_

Signal: PL096608.D\ECD2B.ch

#7 Decachlorobiphenyl



R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 228076815
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
 Data File : PL096611.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 20:17
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL072825

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/29/2025
 Supervised By : mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 29 08:47:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:20:04 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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	161.0E6	247.3E6	50.630	51.756
28)	SA Decachlor...	9.015	7.992	117.1E6	221.9E6	49.100	51.159
Target Compounds							
2)	A alpha-BHC	3.983	3.334	237.2E6	373.0E6	51.282	52.705
3)	MA gamma-BHC...	4.311	3.666	223.6E6	346.0E6	50.545	52.400
4)	MA Heptachlor	4.903	4.014	211.3E6	346.4E6	50.843	51.992
5)	MB Aldrin	5.243	4.297	215.6E6	324.1E6	50.122	52.220
6)	B beta-BHC	4.497	3.961	91859349	145.4E6	50.893	51.555
7)	B delta-BHC	4.742	4.195	202.5E6	338.7E6	50.758m	52.325
8)	B Heptachlo...	5.662	4.799	194.2E6	295.6E6	50.346	51.754
9)	A Endosulfan I	6.044	5.170	178.4E6	277.2E6	49.613	50.116
10)	B gamma-Chl...	5.916	5.051	193.4E6	305.7E6	50.837	51.997
11)	B alpha-Chl...	5.996	5.115	191.7E6	300.1E6	49.735	50.869
12)	B 4,4'-DDE	6.166	5.304	158.1E6	286.3E6	49.223	51.924
13)	MA Dieldrin	6.316	5.435	186.8E6	306.3E6	50.341	51.858
14)	MA Endrin	6.543	5.709	147.3E6	272.8E6	48.674	50.462
15)	B Endosulfa...	6.755	6.001	158.8E6	265.2E6	49.582	51.632
16)	A 4,4'-DDD	6.675	5.856	126.9E6	242.0E6	50.209	51.423
17)	MA 4,4'-DDT	6.989	6.109	144.5E6	261.7E6	50.400	51.730
18)	B Endrin al...	6.883	6.179	108.5E6	197.4E6	50.570	53.386
19)	B Endosulfa...	7.117	6.402	143.9E6	262.8E6	50.068	51.670
20)	A Methoxychlor	7.462	6.681	74330342	140.5E6	50.622	51.276
21)	B Endrin ke...	7.597	6.907	153.3E6	289.7E6	50.977	52.006
22)	Mirex	8.076	7.097	123.5E6	221.2E6	49.793	50.730

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 20:17
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

ICVPL072825

Manual Integrations

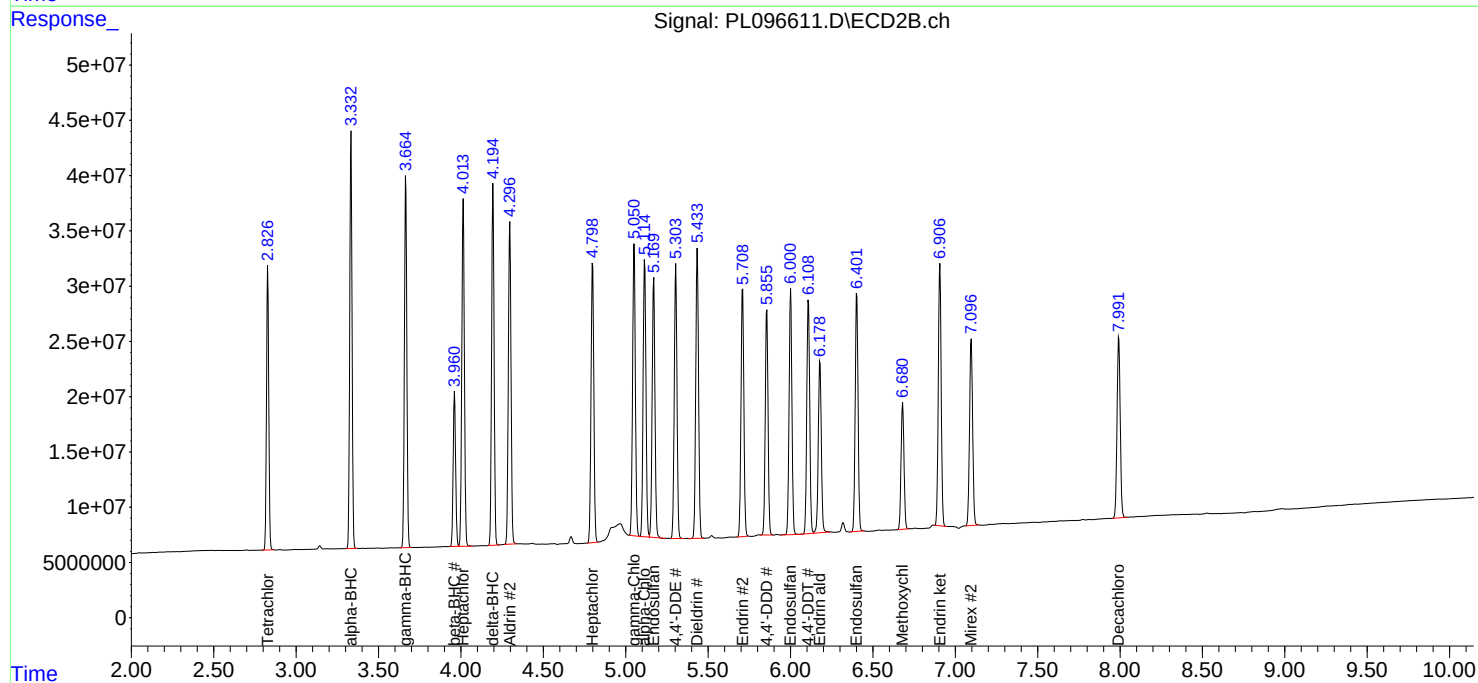
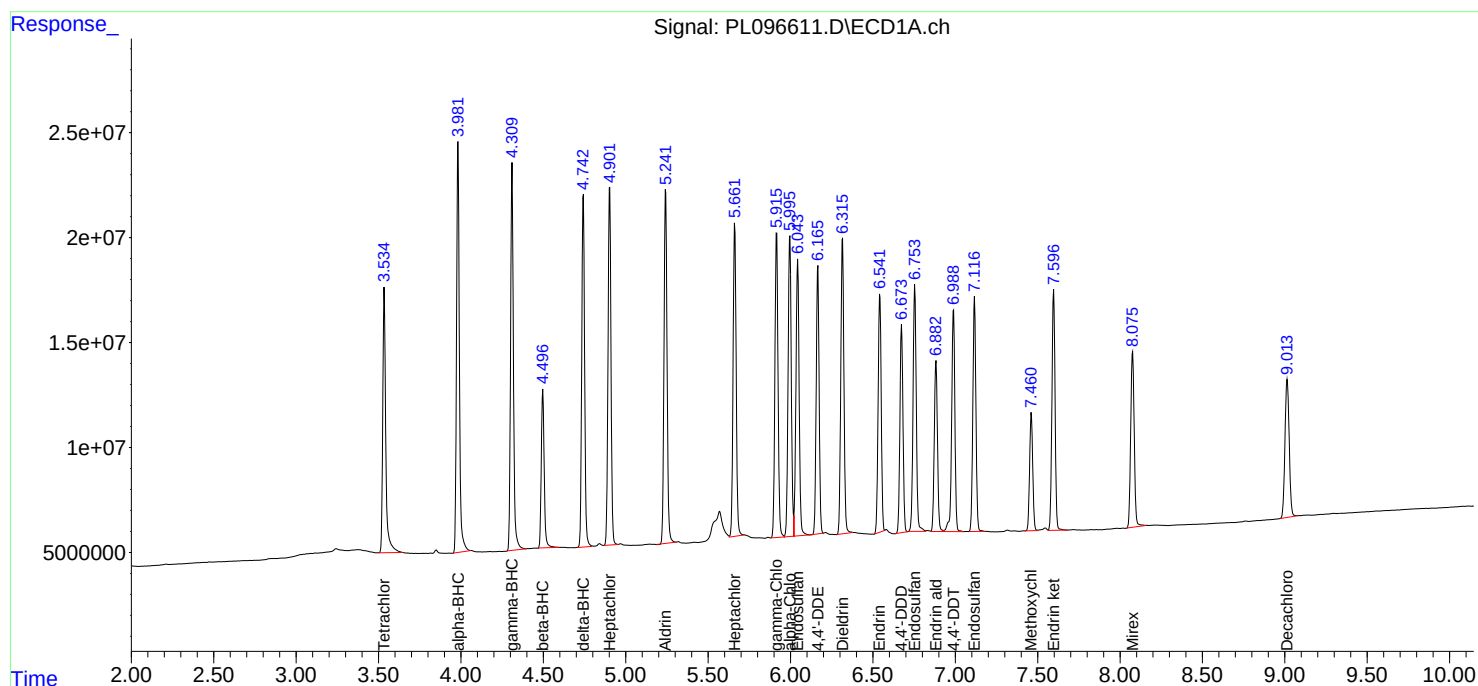
APPROVED

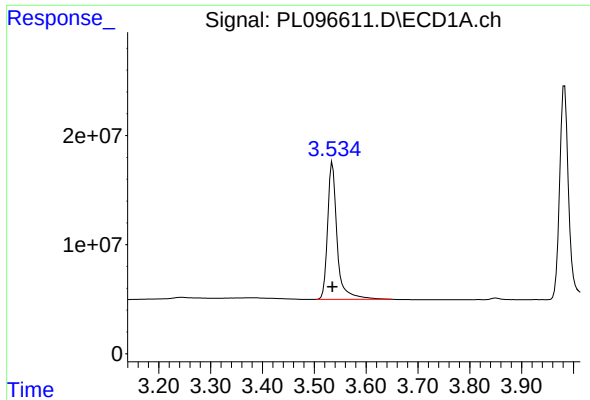
Reviewed By :Abdul Mirza 07/29/2025

Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:47:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:20:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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

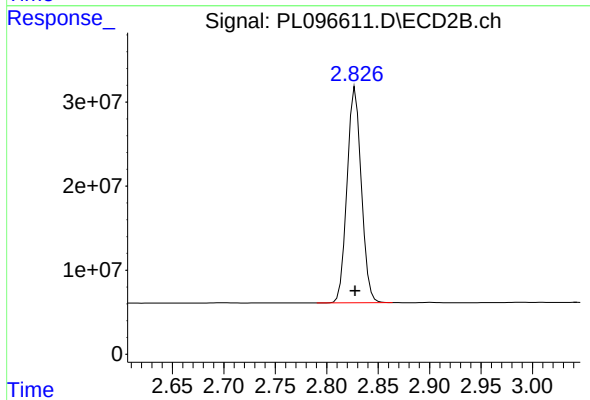
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 161043183
Conc: 50.63 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

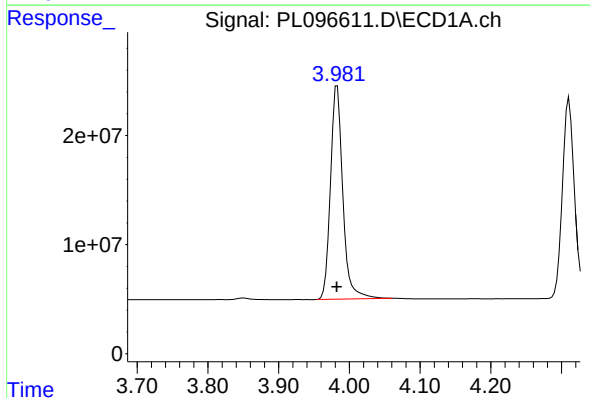
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



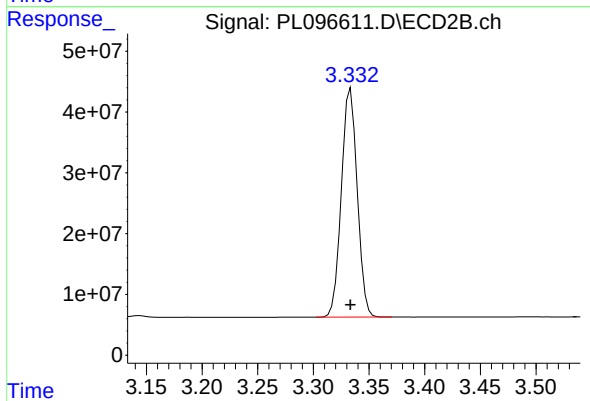
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 247278851
Conc: 51.76 ng/ml



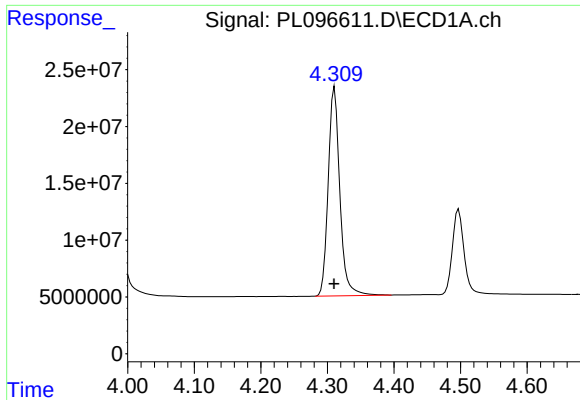
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 237249143
Conc: 51.28 ng/ml



#2 alpha-BHC

R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 372995453
Conc: 52.71 ng/ml



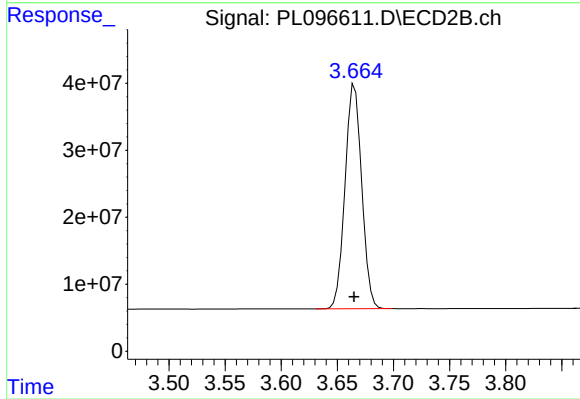
#3 gamma-BHC (Lindane)

R.T.: 4.311 min
Delta R.T.: 0.000 min
Response: 223584100
Conc: 50.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

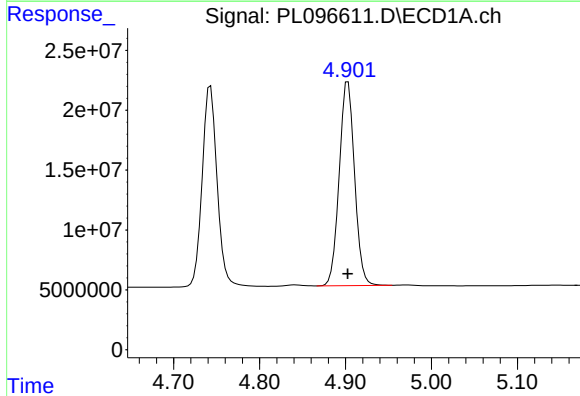
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



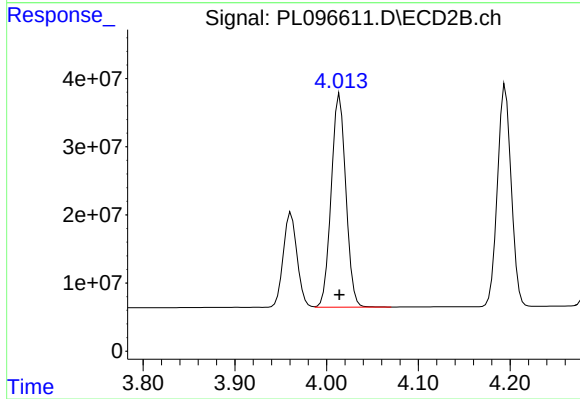
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 346014885
Conc: 52.40 ng/ml



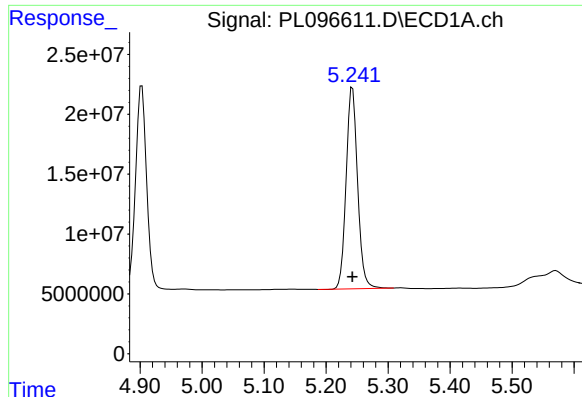
#4 Heptachlor

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 211285693
Conc: 50.84 ng/ml



#4 Heptachlor

R.T.: 4.014 min
Delta R.T.: 0.000 min
Response: 346369326
Conc: 51.99 ng/ml



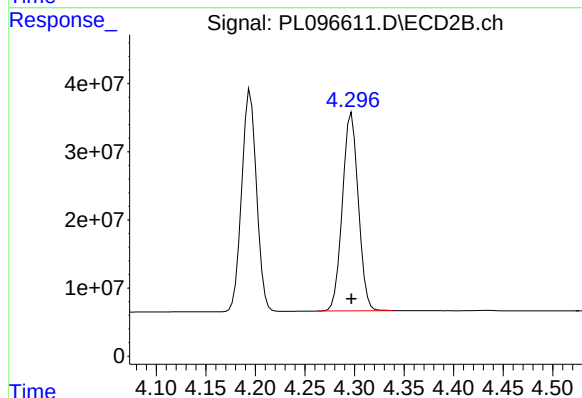
#5 Aldrin

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 215573068
Conc: 50.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

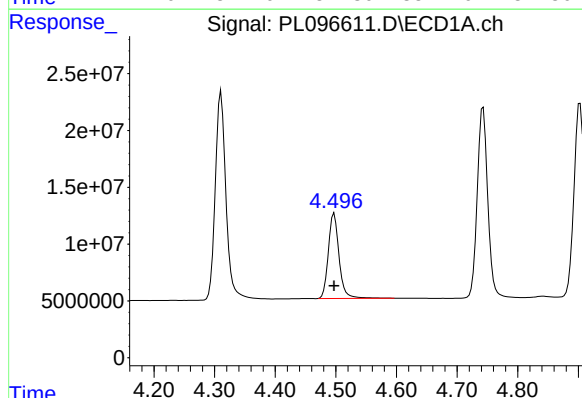
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



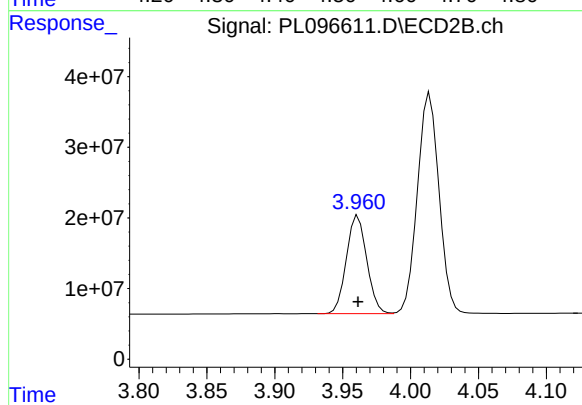
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: 0.000 min
Response: 324132499
Conc: 52.22 ng/ml



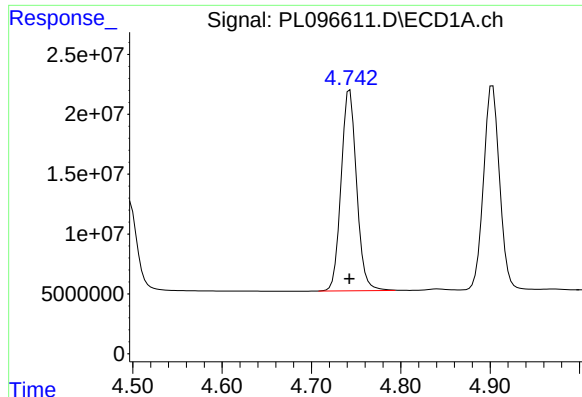
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: 0.000 min
Response: 91859349
Conc: 50.89 ng/ml



#6 beta-BHC

R.T.: 3.961 min
Delta R.T.: 0.000 min
Response: 145431130
Conc: 51.55 ng/ml



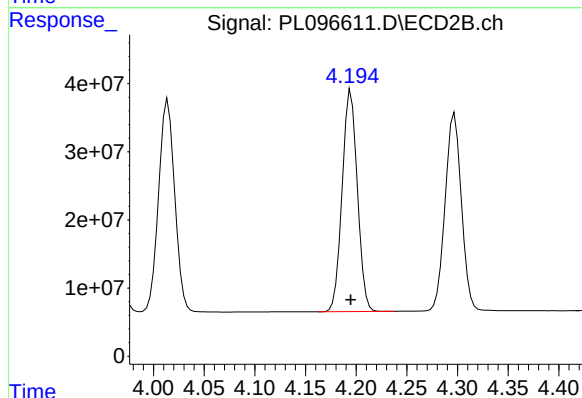
#7 delta-BHC

R.T.: 4.742 min
Delta R.T.: 0.000 min
Response: 202516027
Conc: 50.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

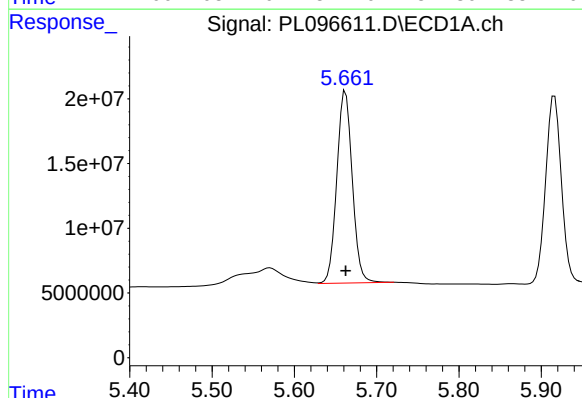
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



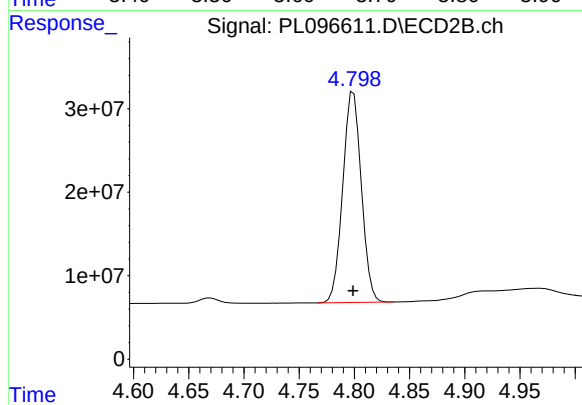
#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 338731728
Conc: 52.32 ng/ml



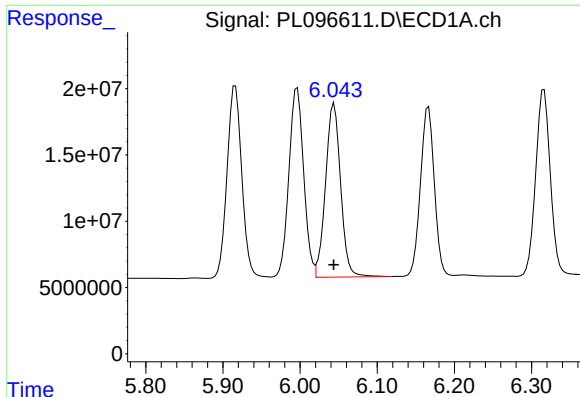
#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: 0.000 min
Response: 194162959
Conc: 50.35 ng/ml



#8 Heptachlor epoxide

R.T.: 4.799 min
Delta R.T.: 0.000 min
Response: 295584103
Conc: 51.75 ng/ml



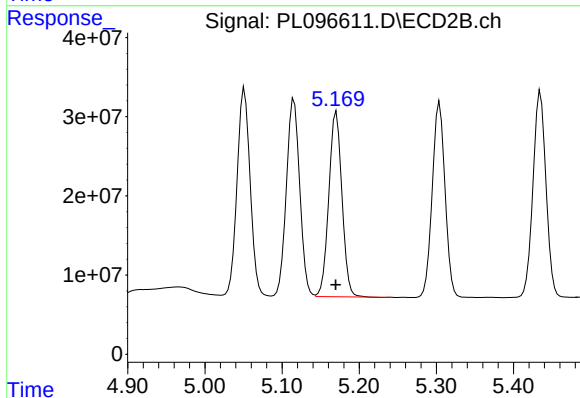
#9 Endosulfan I

R.T.: 6.044 min
Delta R.T.: 0.000 min
Response: 178427332
Conc: 49.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

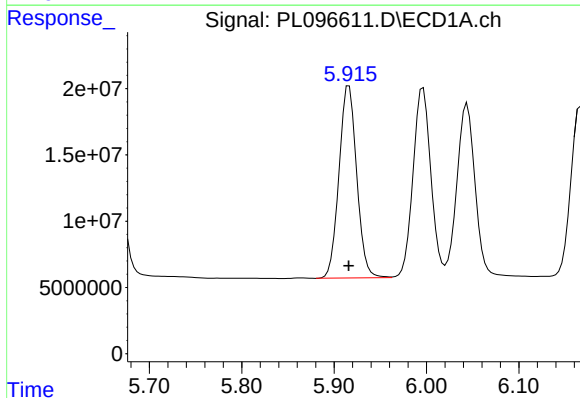
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



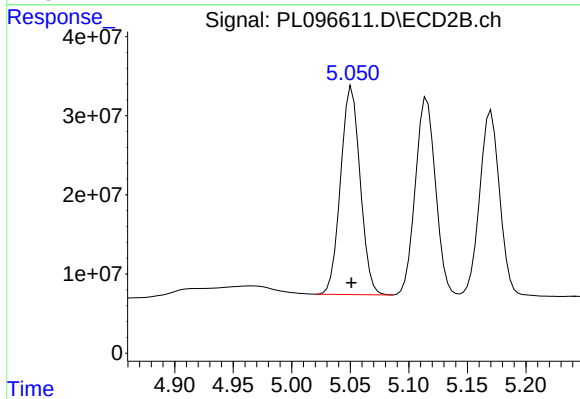
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: 0.000 min
Response: 277213283
Conc: 50.12 ng/ml



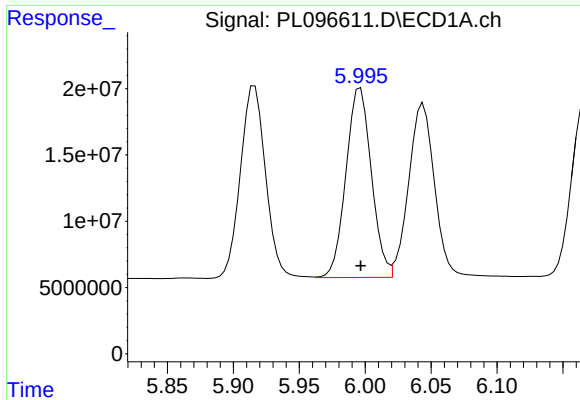
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 193445906
Conc: 50.84 ng/ml



#10 gamma-Chlordane

R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 305748780
Conc: 52.00 ng/ml



#11 alpha-Chlordane

R.T.: 5.996 min
Delta R.T.: 0.000 min
Response: 191709507
Conc: 49.73 ng/ml

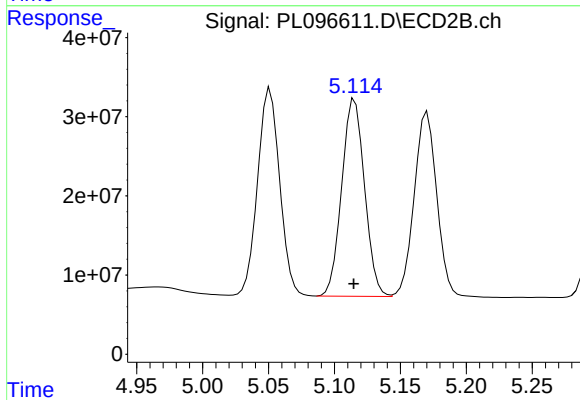
Instrument :

ECD_L

ClientSampleId :
ICVPL072825

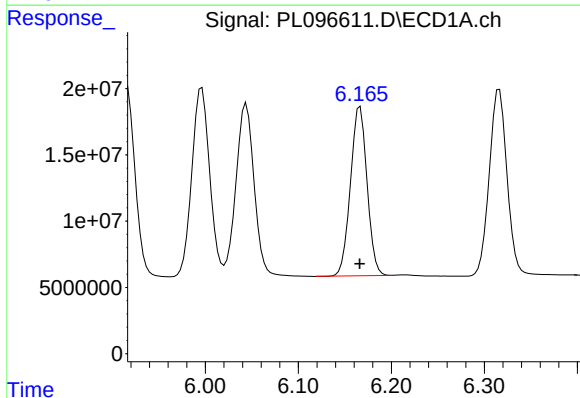
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



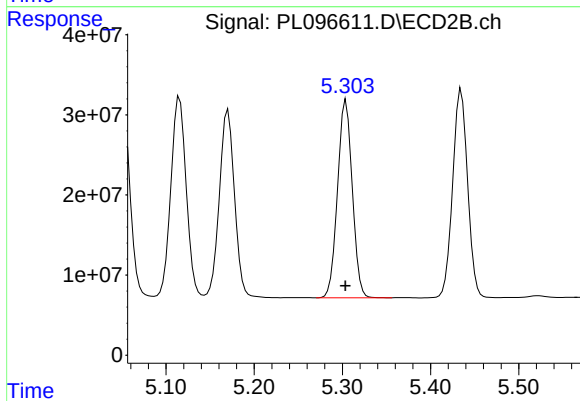
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 300071767
Conc: 50.87 ng/ml



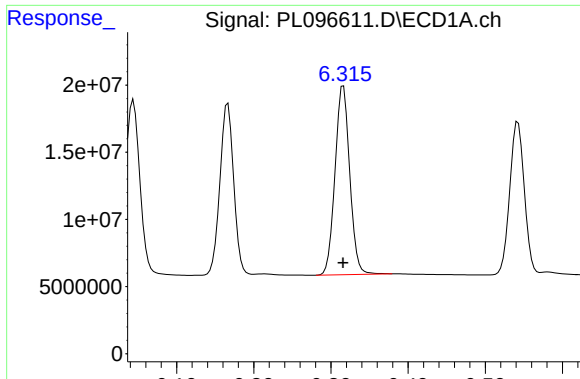
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 158068181
Conc: 49.22 ng/ml



#12 4,4'-DDE

R.T.: 5.304 min
Delta R.T.: 0.000 min
Response: 286332408
Conc: 51.92 ng/ml



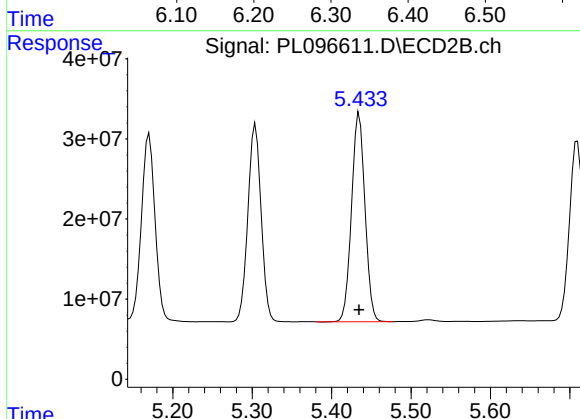
#13 Dieldrin

R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 186821697
Conc: 50.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

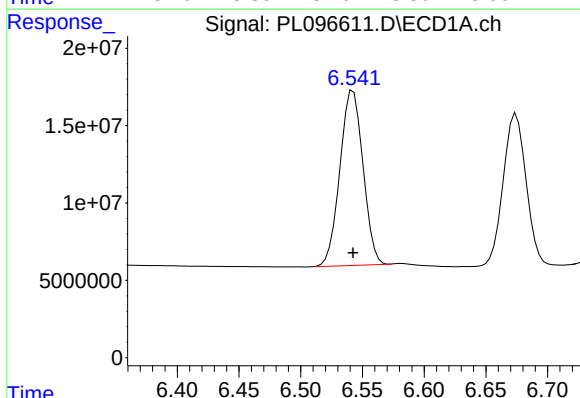
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



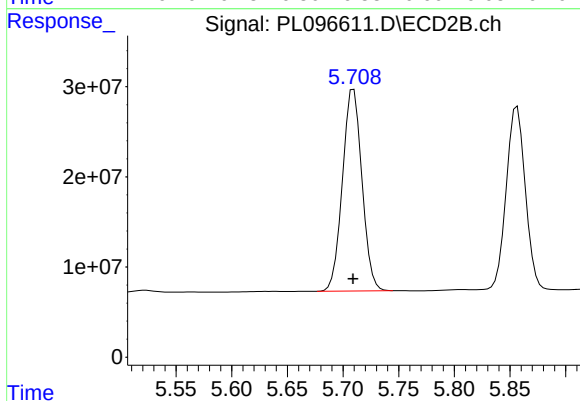
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: 0.000 min
Response: 306303510
Conc: 51.86 ng/ml



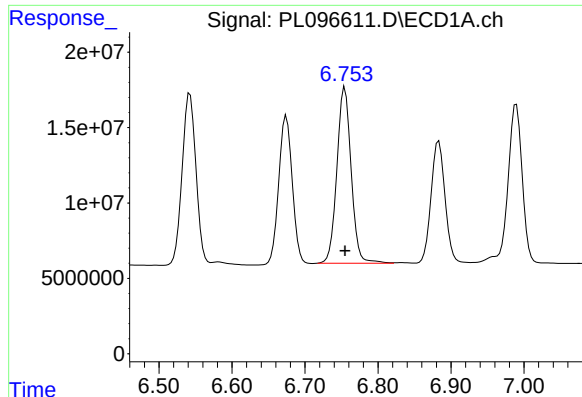
#14 Endrin

R.T.: 6.543 min
Delta R.T.: 0.000 min
Response: 147327440
Conc: 48.67 ng/ml



#14 Endrin

R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 272795312
Conc: 50.46 ng/ml



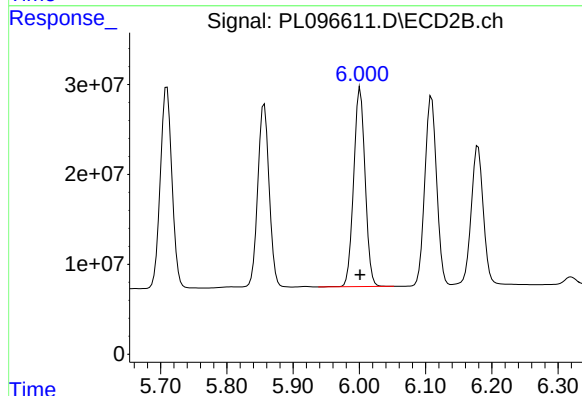
#15 Endosulfan II

R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 158792104
Conc: 49.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

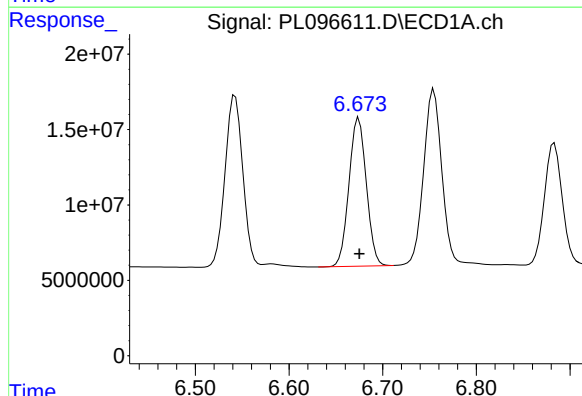
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



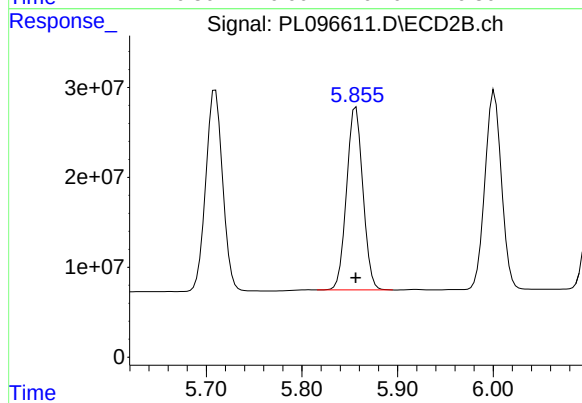
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: 0.000 min
Response: 265195055
Conc: 51.63 ng/ml



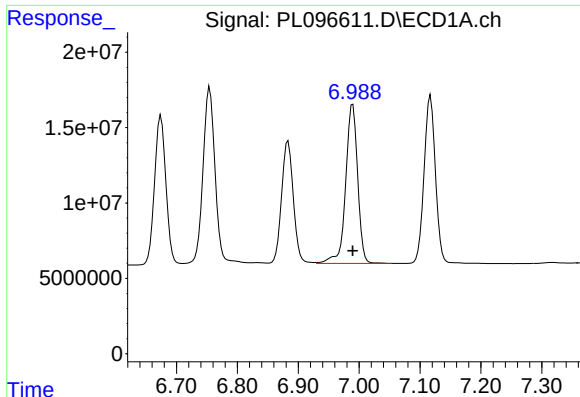
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: 0.000 min
Response: 126947170
Conc: 50.21 ng/ml



#16 4,4'-DDD

R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 241958902
Conc: 51.42 ng/ml



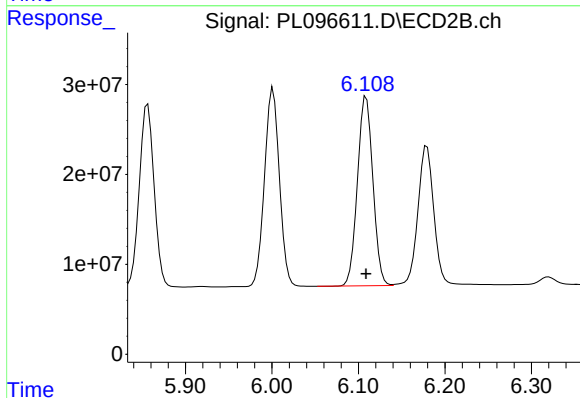
#17 4,4'-DDT

R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 144531756
Conc: 50.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

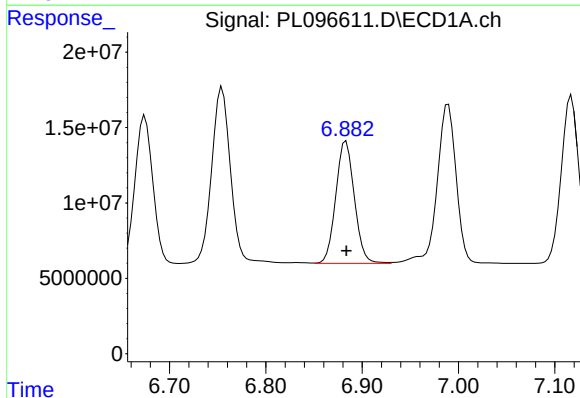
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



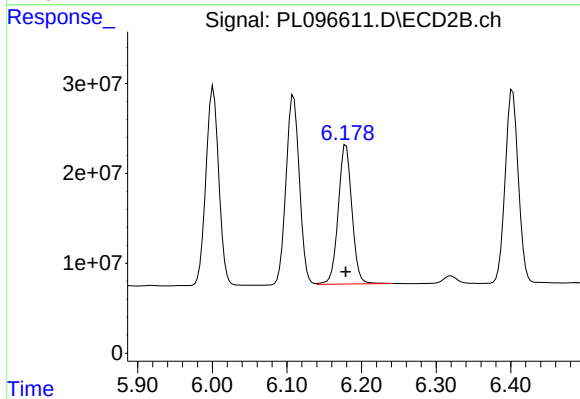
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 261665047
Conc: 51.73 ng/ml



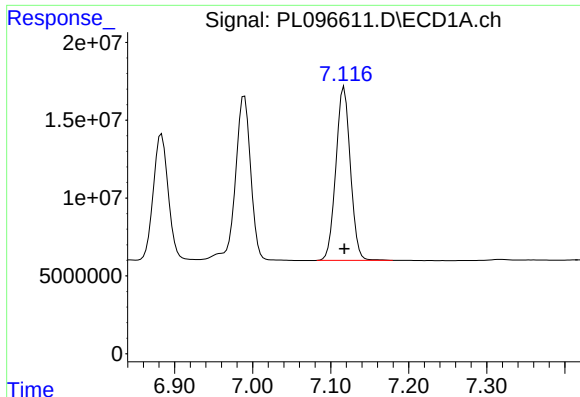
#18 Endrin aldehyde

R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 108518783
Conc: 50.57 ng/ml



#18 Endrin aldehyde

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 197425966
Conc: 53.39 ng/ml



#19 Endosulfan Sulfate

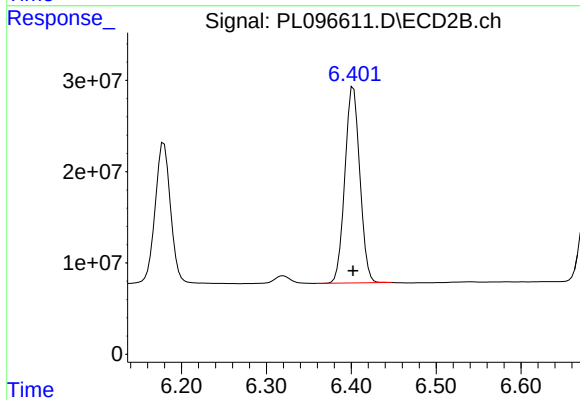
R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 143881166
Conc: 50.07 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

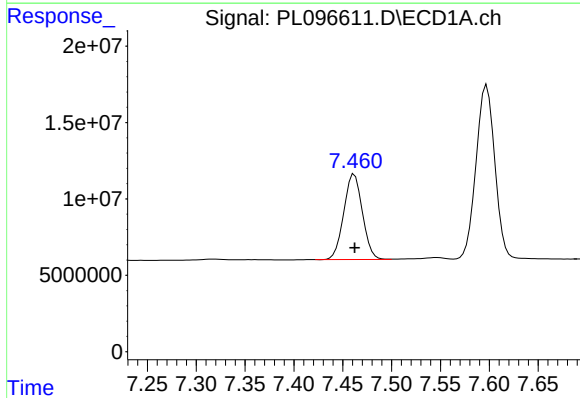
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



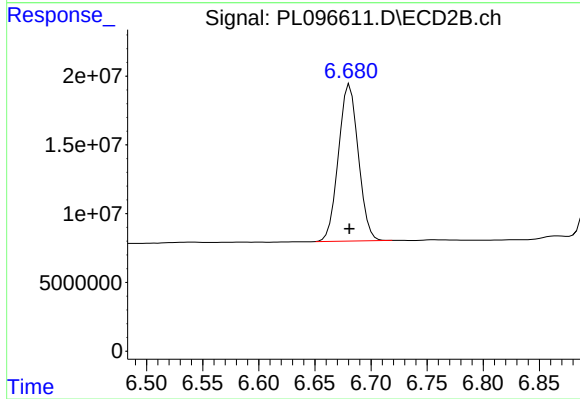
#19 Endosulfan Sulfate

R.T.: 6.402 min
Delta R.T.: 0.000 min
Response: 262804486
Conc: 51.67 ng/ml



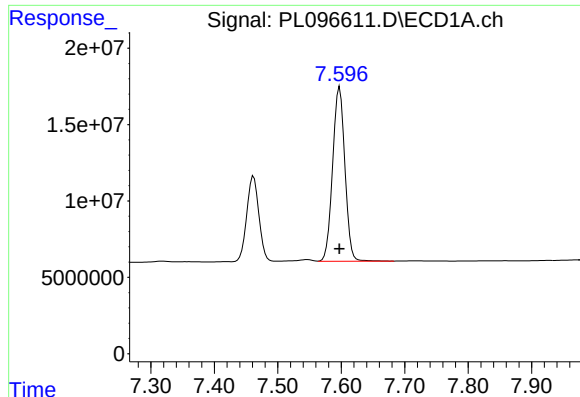
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 74330342
Conc: 50.62 ng/ml



#20 Methoxychlor

R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 140523051
Conc: 51.28 ng/ml



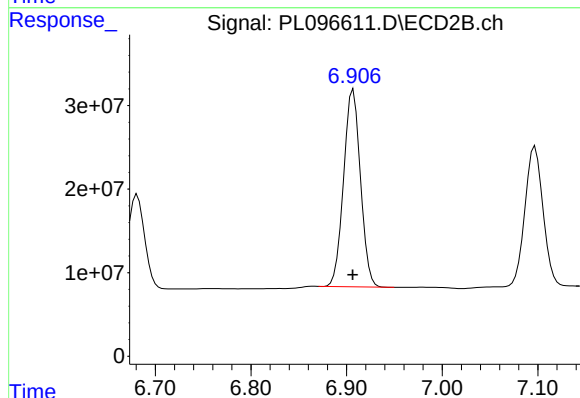
#21 Endrin ketone

R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 153274359
Conc: 50.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

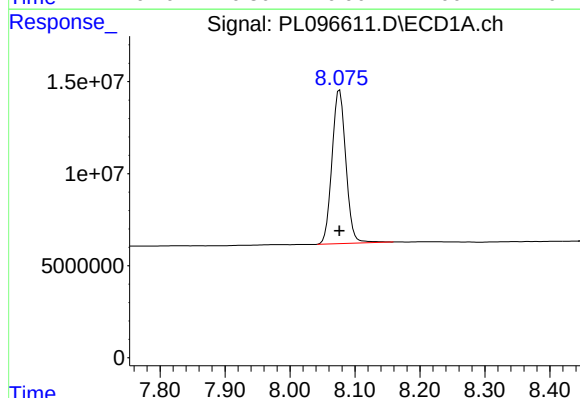
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



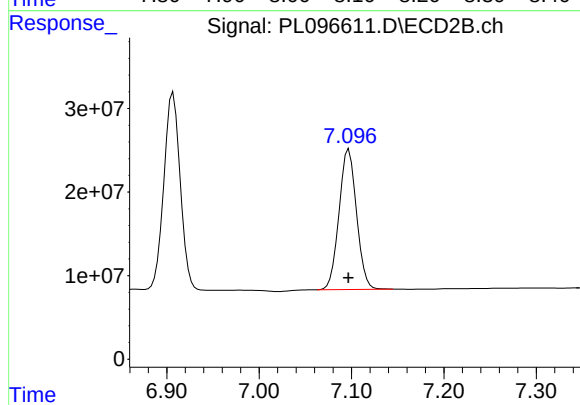
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 289661773
Conc: 52.01 ng/ml



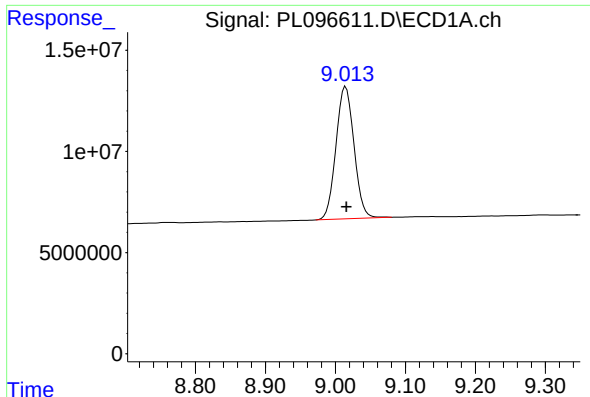
#22 Mirex

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 123454153
Conc: 49.79 ng/ml



#22 Mirex

R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 221225472
Conc: 50.73 ng/ml



#28 Decachlorobiphenyl

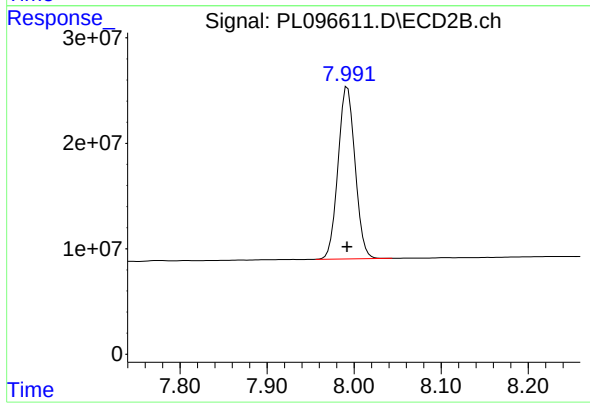
R.T.: 9.015 min
Delta R.T.: -0.001 min
Response: 117087022
Conc: 49.10 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 221944303
Conc: 51.16 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

Continuing Calib Date: 08/18/2025

Initial Calibration Date(s): 07/28/2025

07/28/2025

Continuing Calib Time: 11:25

Initial Calibration Time(s): 16:52

17:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.01	9.02	8.92	9.12	0.01
Tetrachloro-m-xylene	3.53	3.54	3.44	3.64	0.01
alpha-BHC	3.98	3.98	3.88	4.08	0.00
beta-BHC	4.49	4.50	4.40	4.60	0.01
delta-BHC	4.74	4.74	4.64	4.84	0.00
gamma-BHC (Lindane)	4.30	4.31	4.21	4.41	0.01
Heptachlor	4.90	4.90	4.80	5.00	0.00
Aldrin	5.24	5.24	5.14	5.34	0.00
Heptachlor epoxide	5.66	5.66	5.56	5.76	0.00
Endosulfan I	6.04	6.04	5.94	6.14	0.00
Dieldrin	6.31	6.32	6.22	6.42	0.01
4,4'-DDE	6.16	6.17	6.07	6.27	0.01
Endrin	6.54	6.54	6.44	6.64	0.00
Endosulfan II	6.75	6.76	6.66	6.86	0.01
4,4'-DDD	6.67	6.68	6.58	6.78	0.01
Endosulfan sulfate	7.11	7.12	7.02	7.22	0.01
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	7.59	7.60	7.50	7.70	0.01
Endrin aldehyde	6.88	6.88	6.78	6.98	0.00
alpha-Chlordane	5.99	6.00	5.90	6.10	0.01
gamma-Chlordane	5.91	5.92	5.82	6.02	0.01



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.: Q2879

Continuing Calib Date: 08/18/2025

Initial Calibration Date(s): 07/28/2025

07/28/2025

Continuing Calib Time: 11:25

Initial Calibration Time(s): 16:52

17:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.99	7.99	7.89	8.09	0.00
Tetrachloro-m-xylene	2.82	2.83	2.73	2.93	0.01
alpha-BHC	3.33	3.33	3.23	3.43	0.00
beta-BHC	3.96	3.96	3.86	4.06	0.00
delta-BHC	4.19	4.20	4.10	4.30	0.01
gamma-BHC (Lindane)	3.66	3.67	3.57	3.77	0.01
Heptachlor	4.01	4.01	3.91	4.11	0.00
Aldrin	4.29	4.30	4.20	4.40	0.01
Heptachlor epoxide	4.79	4.80	4.70	4.90	0.01
Endosulfan I	5.16	5.17	5.07	5.27	0.01
Dieldrin	5.43	5.43	5.33	5.53	0.00
4,4'-DDE	5.30	5.30	5.20	5.40	0.00
Endrin	5.70	5.71	5.61	5.81	0.01
Endosulfan II	6.00	6.00	5.90	6.10	0.00
4,4'-DDD	5.85	5.86	5.76	5.96	0.01
Endosulfan sulfate	6.40	6.40	6.30	6.50	0.00
4,4'-DDT	6.10	6.11	6.01	6.21	0.01
Methoxychlor	6.68	6.68	6.58	6.78	0.00
Endrin ketone	6.90	6.91	6.81	7.01	0.01
Endrin aldehyde	6.17	6.18	6.08	6.28	0.01
alpha-Chlordane	5.11	5.12	5.02	5.22	0.01
gamma-Chlordane	5.05	5.05	4.95	5.15	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2879
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/18/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096845.D **Time Analyzed:** 11:25

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.671	6.575	6.775	58.810	50.000	17.6
4,4'-DDE	6.162	6.066	6.266	55.060	50.000	10.1
4,4'-DDT	6.985	6.889	7.089	51.350	50.000	2.7
Aldrin	5.237	5.143	5.343	55.640	50.000	11.3
alpha-BHC	3.976	3.882	4.082	58.260	50.000	16.5
alpha-Chlordane	5.991	5.897	6.097	55.680	50.000	11.4
beta-BHC	4.491	4.397	4.597	57.030	50.000	14.1
Decachlorobiphenyl	9.007	8.916	9.116	54.300	50.000	8.6
delta-BHC	4.738	4.643	4.843	58.180	50.000	16.4
Dieldrin	6.311	6.216	6.416	55.550	50.000	11.1
Endosulfan I	6.039	5.944	6.144	54.980	50.000	10.0
Endosulfan II	6.751	6.655	6.855	54.190	50.000	8.4
Endosulfan sulfate	7.114	7.018	7.218	53.590	50.000	7.2
Endrin	6.538	6.442	6.642	53.450	50.000	6.9
Endrin aldehyde	6.880	6.784	6.984	54.960	50.000	9.9
Endrin ketone	7.593	7.497	7.697	55.190	50.000	10.4
gamma-BHC (Lindane)	4.304	4.210	4.410	56.830	50.000	13.7
gamma-Chlordane	5.912	5.816	6.016	56.840	50.000	13.7
Heptachlor	4.896	4.803	5.003	59.120	50.000	18.2
Heptachlor epoxide	5.657	5.562	5.762	55.930	50.000	11.9
Methoxychlor	7.458	7.362	7.562	49.100	50.000	-1.8
Tetrachloro-m-xylene	3.529	3.435	3.635	56.430	50.000	12.9



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2879
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/18/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096845.D **Time Analyzed:** 11:25

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.852	5.756	5.956	52.300	50.000	4.6
4,4'-DDE	5.298	5.204	5.404	52.310	50.000	4.6
4,4'-DDT	6.104	6.009	6.209	48.580	50.000	-2.8
Aldrin	4.291	4.197	4.397	52.640	50.000	5.3
alpha-BHC	3.327	3.233	3.433	54.110	50.000	8.2
alpha-Chlordane	5.109	5.015	5.215	51.930	50.000	3.9
beta-BHC	3.956	3.861	4.061	53.470	50.000	6.9
Decachlorobiphenyl	7.989	7.892	8.092	50.280	50.000	0.6
delta-BHC	4.189	4.095	4.295	53.140	50.000	6.3
Dieldrin	5.429	5.334	5.534	51.410	50.000	2.8
Endosulfan I	5.164	5.069	5.269	49.870	50.000	-0.3
Endosulfan II	5.996	5.901	6.101	51.110	50.000	2.2
Endosulfan sulfate	6.398	6.302	6.502	50.380	50.000	0.8
Endrin	5.704	5.609	5.809	48.160	50.000	-3.7
Endrin aldehyde	6.174	6.079	6.279	51.420	50.000	2.8
Endrin ketone	6.903	6.807	7.007	53.880	50.000	7.8
gamma-BHC (Lindane)	3.659	3.565	3.765	53.810	50.000	7.6
gamma-Chlordane	5.045	4.951	5.151	53.260	50.000	6.5
Heptachlor	4.008	3.914	4.114	51.750	50.000	3.5
Heptachlor epoxide	4.793	4.699	4.899	51.640	50.000	3.3
Methoxychlor	6.677	6.581	6.781	47.000	50.000	-6.0
Tetrachloro-m-xylene	2.822	2.728	2.928	54.520	50.000	9.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
 Data File : PL096845.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 11:25
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 08/19/2025

Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 12:38:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.529	2.822	179.5E6	260.5E6	56.435m	54.518
28)	SA Decachlor...	9.007	7.989	129.5E6	218.1E6	54.303m	50.281
Target Compounds							
2)	A alpha-BHC	3.976	3.327	269.6E6	382.9E6	58.265m	54.109
3)	MA gamma-BHC...	4.304	3.659	251.4E6	355.3E6	56.832m	53.810
4)	MA Heptachlor	4.896	4.008	245.7E6	344.8E6	59.122m	51.753
5)	MB Aldrin	5.237	4.291	239.3E6	326.8E6	55.640	52.642
6)	B beta-BHC	4.491	3.956	102.9E6	150.8E6	57.030m	53.467
7)	B delta-BHC	4.738	4.189	232.1E6	344.0E6	58.179	53.141
8)	B Heptachlo...	5.657	4.793	215.7E6	295.0E6	55.928	51.644
9)	A Endosulfan I	6.039	5.164	197.7E6	275.9E6	54.976	49.870
10)	B gamma-Chl...	5.912	5.045	216.3E6	313.2E6	56.843	53.262
11)	B alpha-Chl...	5.991	5.109	214.6E6	306.3E6	55.682	51.929
12)	B 4,4'-DDE	6.162	5.298	176.8E6	288.5E6	55.064	52.309
13)	MA Dieldrin	6.311	5.429	206.2E6	303.6E6	55.553	51.408
14)	MA Endrin	6.538	5.704	161.8E6	260.4E6	53.450	48.164
15)	B Endosulfa...	6.751	5.996	173.5E6	262.5E6	54.185	51.106
16)	A 4,4'-DDD	6.671	5.852	148.7E6	246.1E6	58.811	52.295
17)	MA 4,4'-DDT	6.985	6.104	147.3E6	245.7E6	51.350	48.581
18)	B Endrin al...	6.880	6.174	117.9E6	186.9E6	54.956	51.423
19)	B Endosulfa...	7.114	6.398	154.0E6	256.3E6	53.592	50.382
20)	A Methoxychlor	7.458	6.677	72091292	128.8E6	49.097	46.997
21)	B Endrin ke...	7.593	6.903	166.0E6	300.1E6	55.194	53.883
22)	Mirex	8.070	7.092	129.3E6	222.9E6	52.136m	51.114m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096845.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 11:25
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

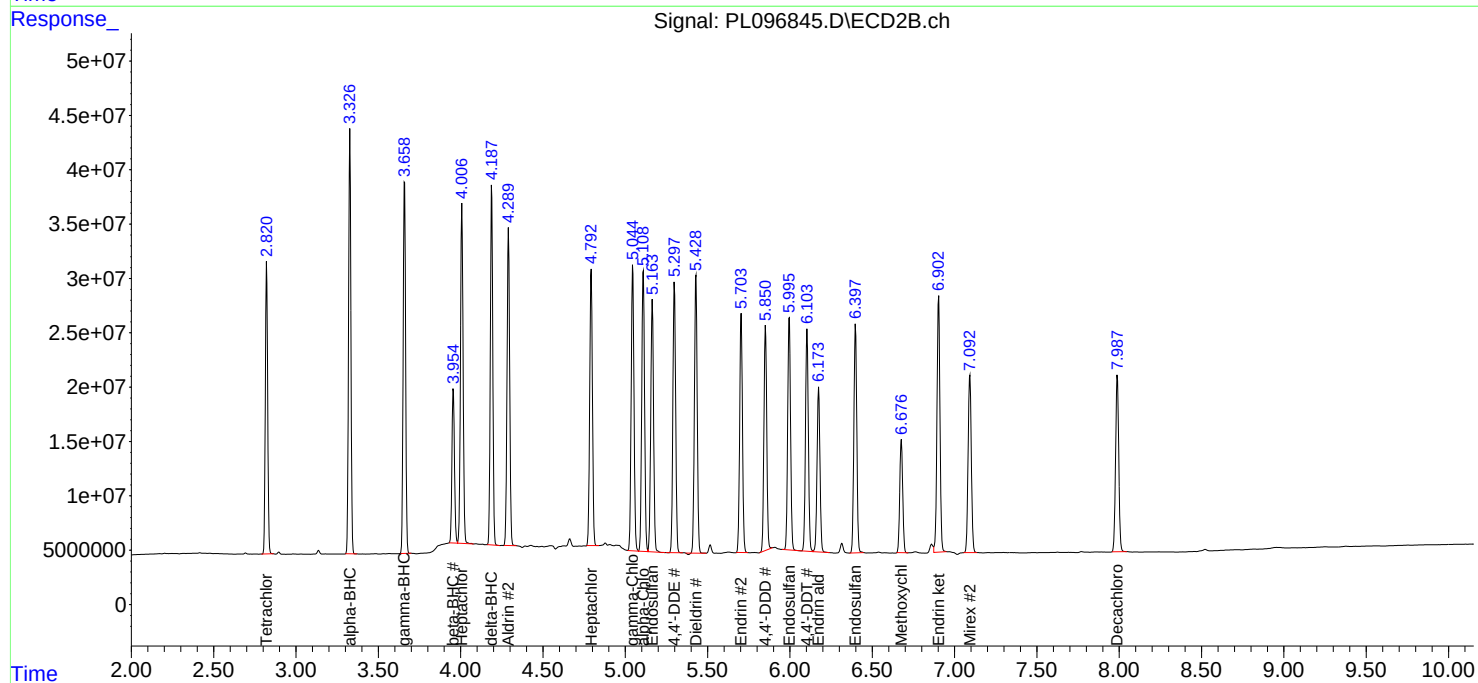
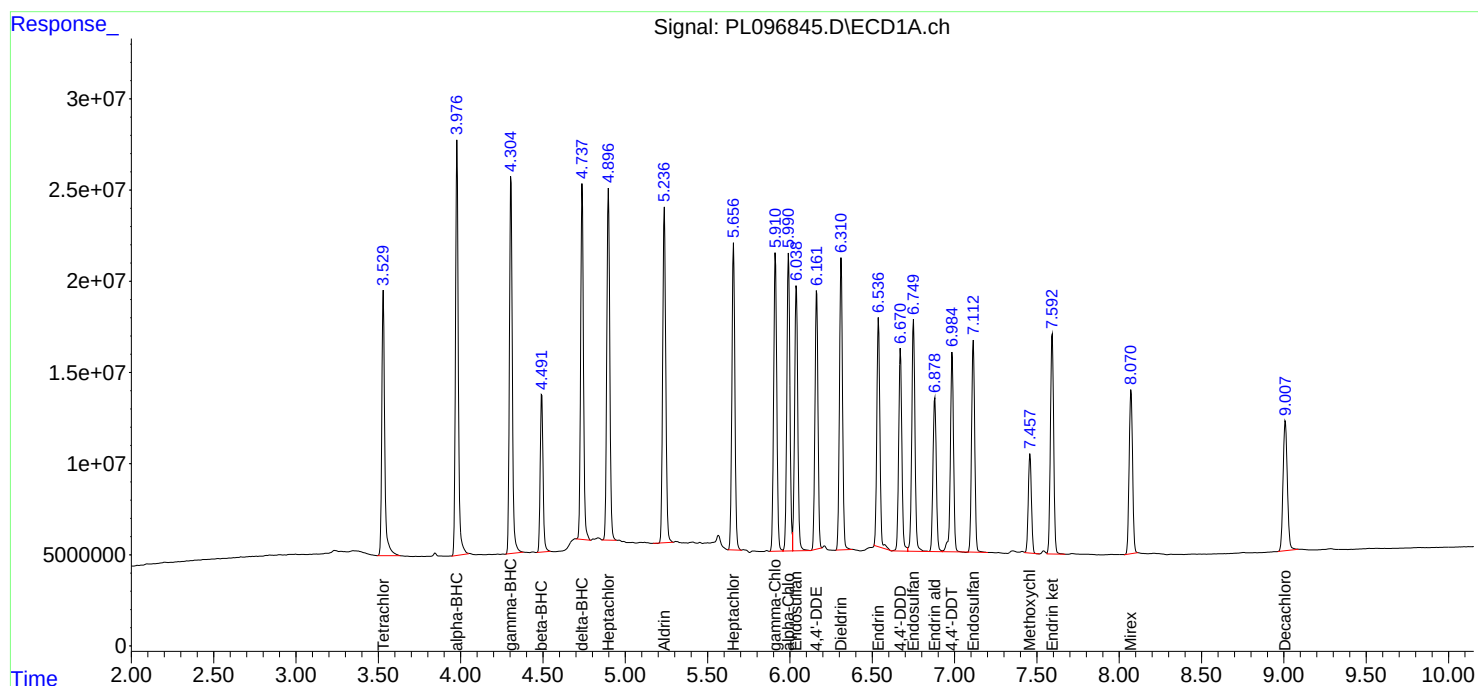
APPROVED

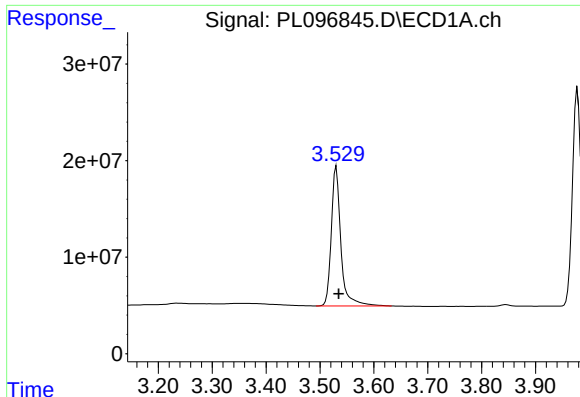
Reviewed By :Abdul Mirza 08/19/2025

Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 12:38:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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





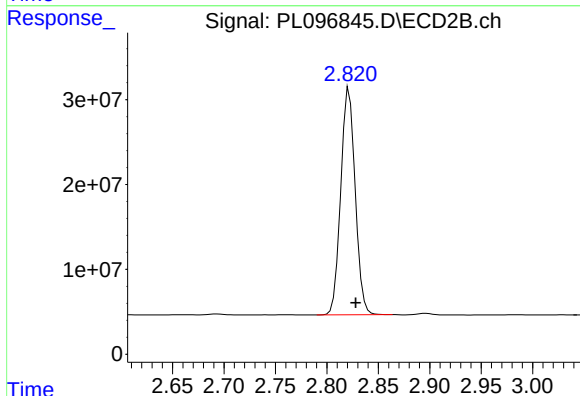
#1 Tetrachloro-m-xylene

R.T.: 3.529 min
Delta R.T.: -0.006 min
Response: 179506751
Conc: 56.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

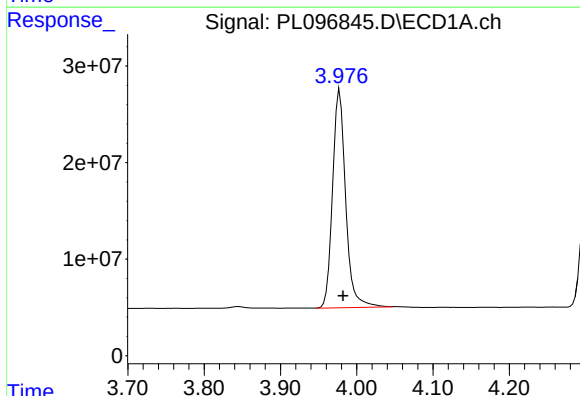
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



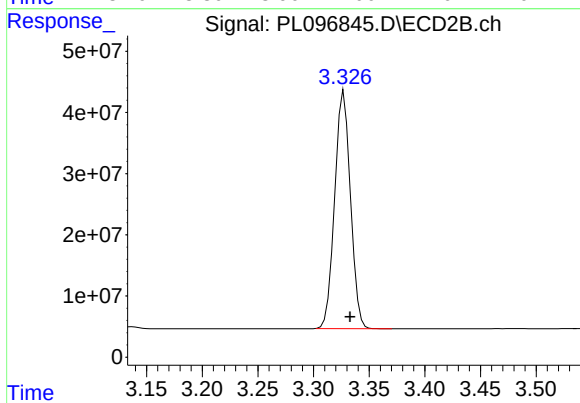
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.006 min
Response: 260475552
Conc: 54.52 ng/ml



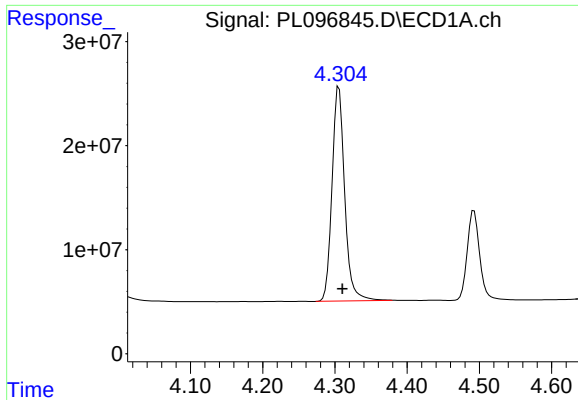
#2 alpha-BHC

R.T.: 3.976 min
Delta R.T.: -0.006 min
Response: 269552802
Conc: 58.26 ng/ml m



#2 alpha-BHC

R.T.: 3.327 min
Delta R.T.: -0.006 min
Response: 382933748
Conc: 54.11 ng/ml



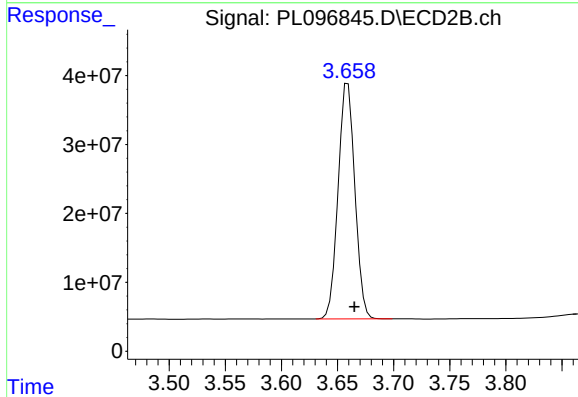
#3 gamma-BHC (Lindane)

R.T.: 4.304 min
Delta R.T.: -0.006 min
Response: 251392894
Conc: 56.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

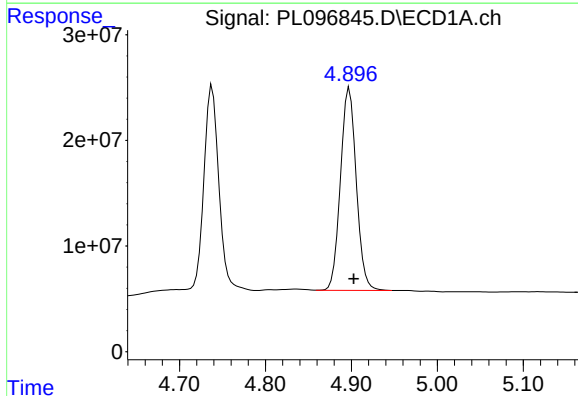
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



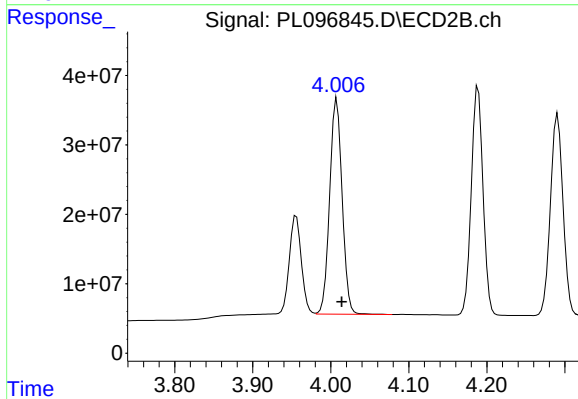
#3 gamma-BHC (Lindane)

R.T.: 3.659 min
Delta R.T.: -0.006 min
Response: 355328772
Conc: 53.81 ng/ml



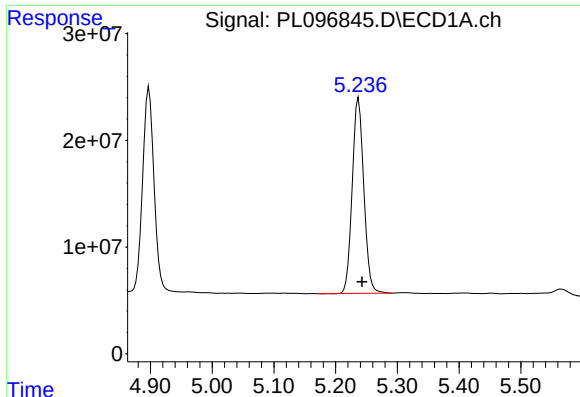
#4 Heptachlor

R.T.: 4.896 min
Delta R.T.: -0.006 min
Response: 245693173
Conc: 59.12 ng/ml m



#4 Heptachlor

R.T.: 4.008 min
Delta R.T.: -0.006 min
Response: 344773832
Conc: 51.75 ng/ml



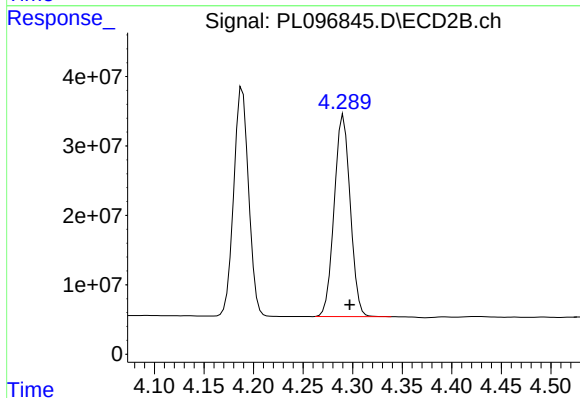
#5 Aldrin

R.T.: 5.237 min
Delta R.T.: -0.006 min
Response: 239307933
Conc: 55.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

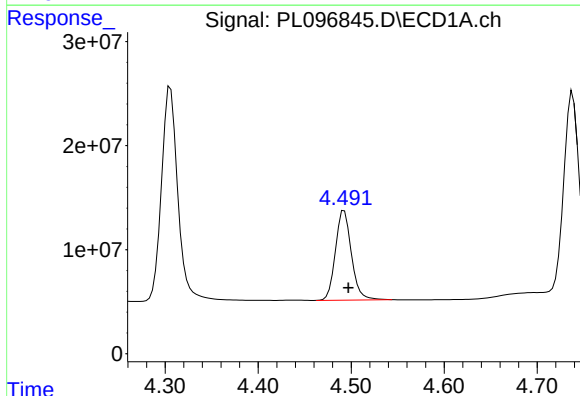
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



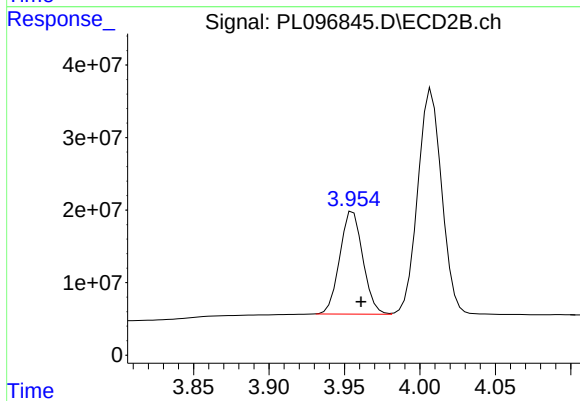
#5 Aldrin

R.T.: 4.291 min
Delta R.T.: -0.006 min
Response: 326750438
Conc: 52.64 ng/ml



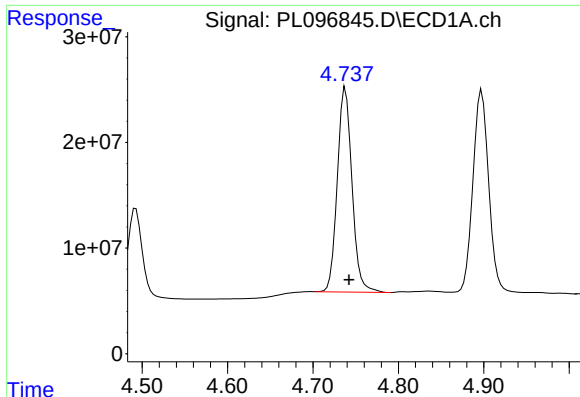
#6 beta-BHC

R.T.: 4.491 min
Delta R.T.: -0.006 min
Response: 102937877
Conc: 57.03 ng/ml m



#6 beta-BHC

R.T.: 3.956 min
Delta R.T.: -0.005 min
Response: 150825602
Conc: 53.47 ng/ml



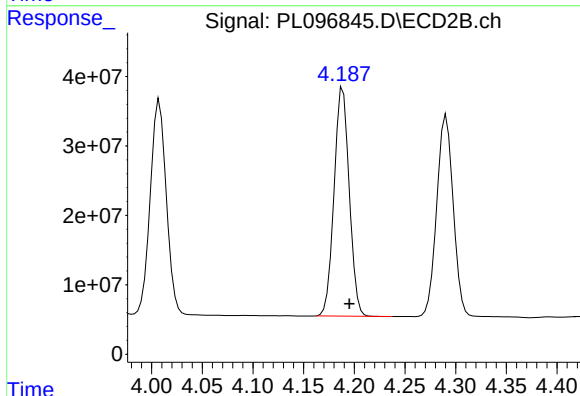
#7 delta-BHC

R.T.: 4.738 min
Delta R.T.: -0.004 min
Response: 232126621
Conc: 58.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

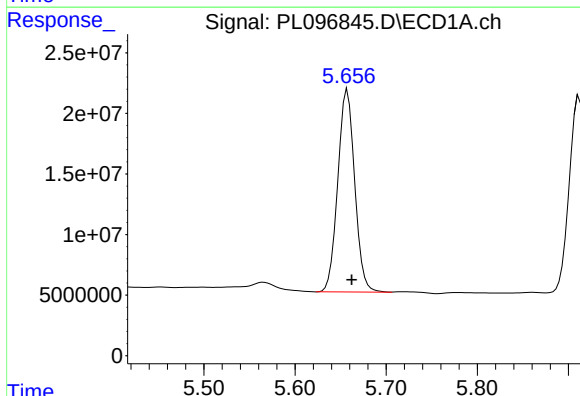
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



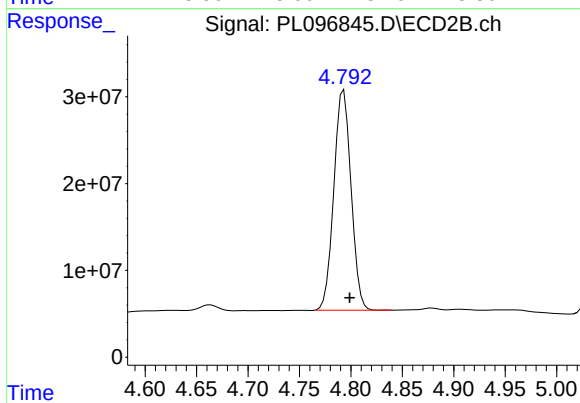
#7 delta-BHC

R.T.: 4.189 min
Delta R.T.: -0.006 min
Response: 344014546
Conc: 53.14 ng/ml



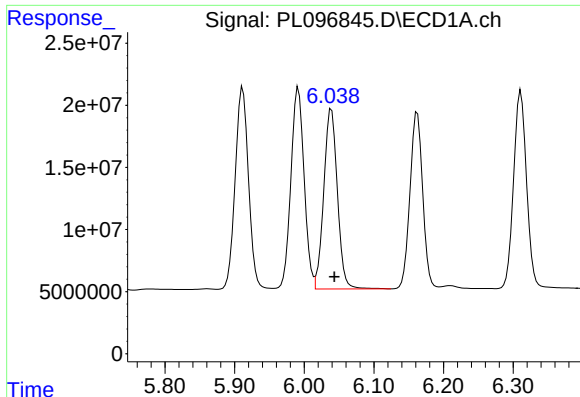
#8 Heptachlor epoxide

R.T.: 5.657 min
Delta R.T.: -0.005 min
Response: 215688491
Conc: 55.93 ng/ml



#8 Heptachlor epoxide

R.T.: 4.793 min
Delta R.T.: -0.006 min
Response: 294959375
Conc: 51.64 ng/ml



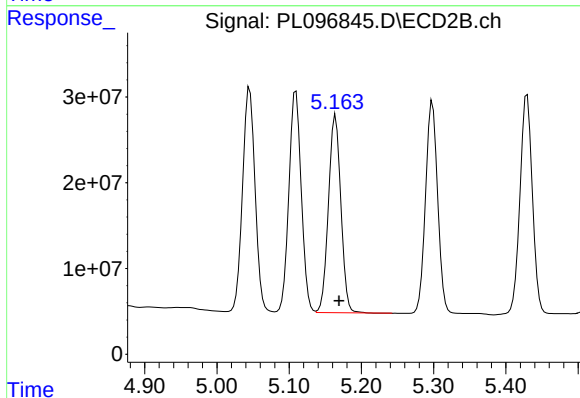
#9 Endosulfan I

R.T.: 6.039 min
Delta R.T.: -0.005 min
Response: 197715086
Conc: 54.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

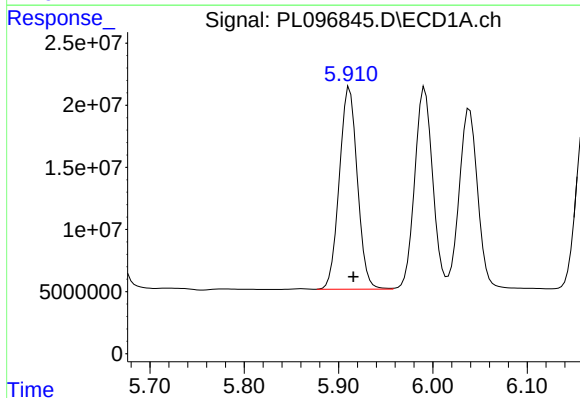
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



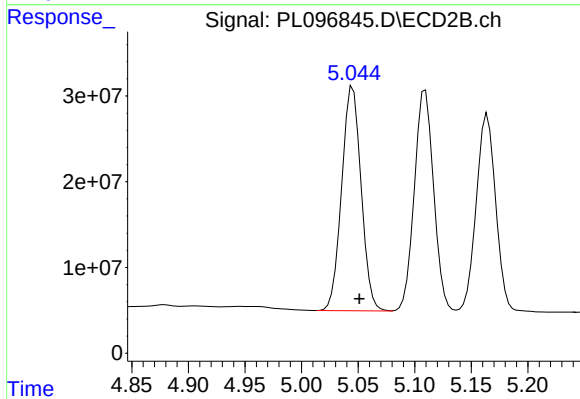
#9 Endosulfan I

R.T.: 5.164 min
Delta R.T.: -0.005 min
Response: 275850741
Conc: 49.87 ng/ml



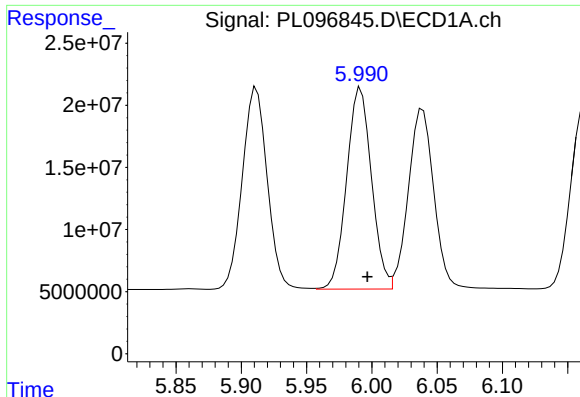
#10 gamma-Chlordane

R.T.: 5.912 min
Delta R.T.: -0.004 min
Response: 216300962
Conc: 56.84 ng/ml



#10 gamma-Chlordane

R.T.: 5.045 min
Delta R.T.: -0.006 min
Response: 313186300
Conc: 53.26 ng/ml



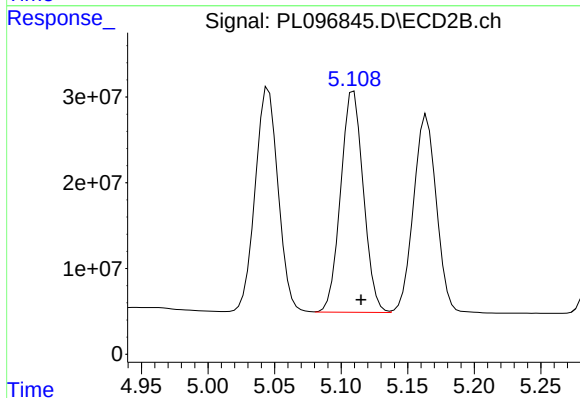
#11 alpha-Chlordane

R.T.: 5.991 min
Delta R.T.: -0.005 min
Response: 214632911
Conc: 55.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

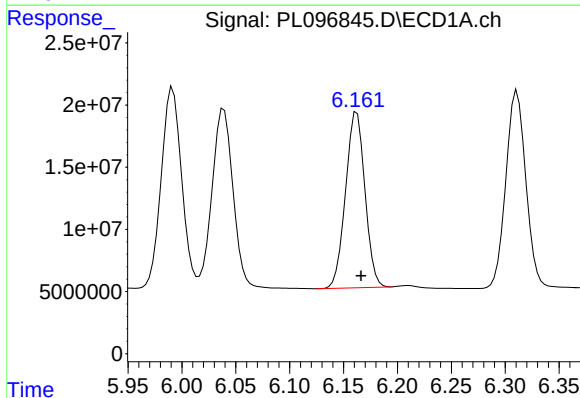
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



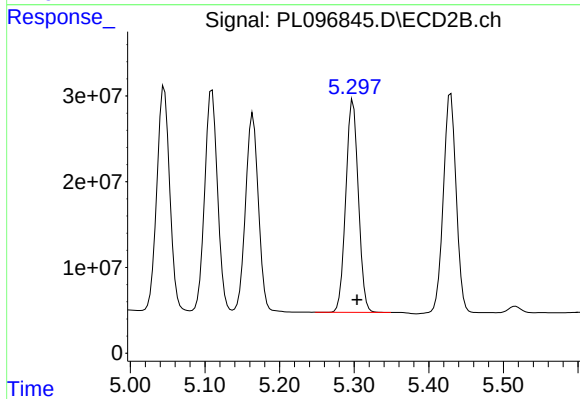
#11 alpha-Chlordane

R.T.: 5.109 min
Delta R.T.: -0.006 min
Response: 306324746
Conc: 51.93 ng/ml



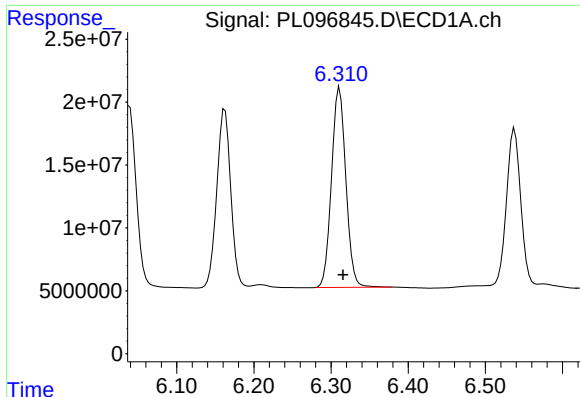
#12 4,4'-DDE

R.T.: 6.162 min
Delta R.T.: -0.004 min
Response: 176823674
Conc: 55.06 ng/ml



#12 4,4'-DDE

R.T.: 5.298 min
Delta R.T.: -0.006 min
Response: 288452466
Conc: 52.31 ng/ml



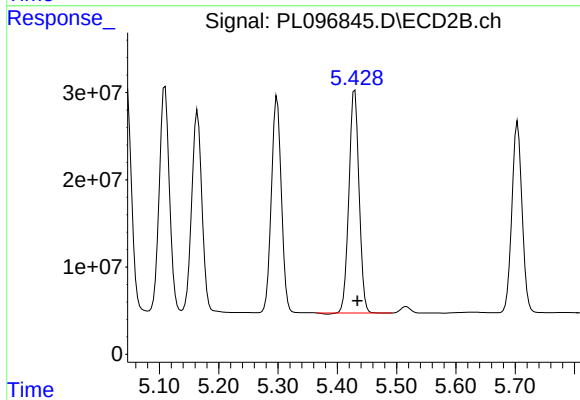
#13 Dieldrin

R.T.: 6.311 min
Delta R.T.: -0.005 min
Response: 206164779
Conc: 55.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

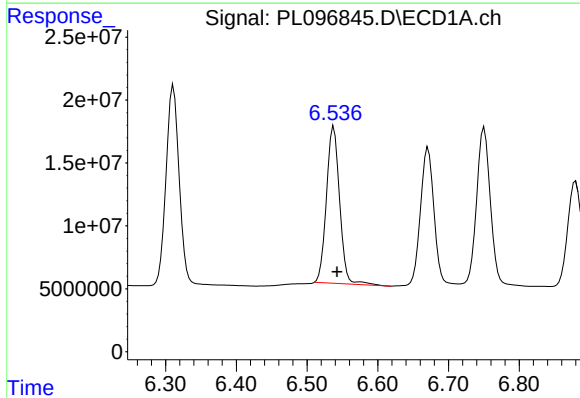
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



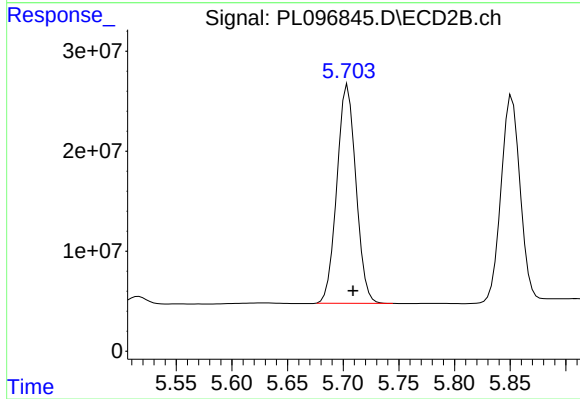
#13 Dieldrin

R.T.: 5.429 min
Delta R.T.: -0.005 min
Response: 303640842
Conc: 51.41 ng/ml



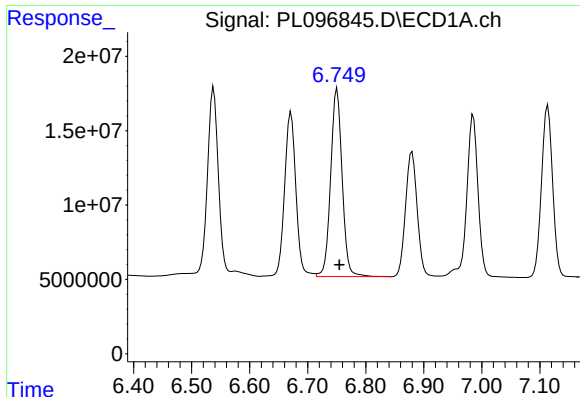
#14 Endrin

R.T.: 6.538 min
Delta R.T.: -0.005 min
Response: 161780527
Conc: 53.45 ng/ml



#14 Endrin

R.T.: 5.704 min
Delta R.T.: -0.005 min
Response: 260371798
Conc: 48.16 ng/ml



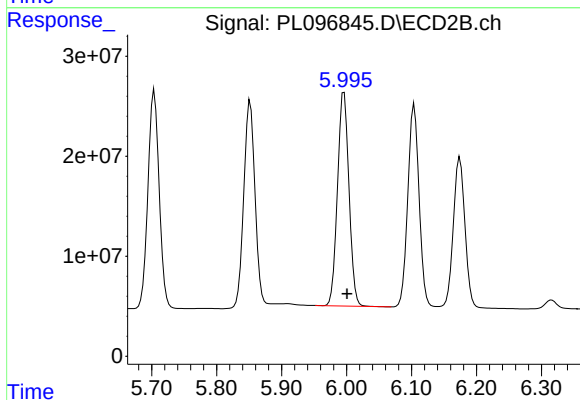
#15 Endosulfan II

R.T.: 6.751 min
Delta R.T.: -0.004 min
Response: 173536077
Conc: 54.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

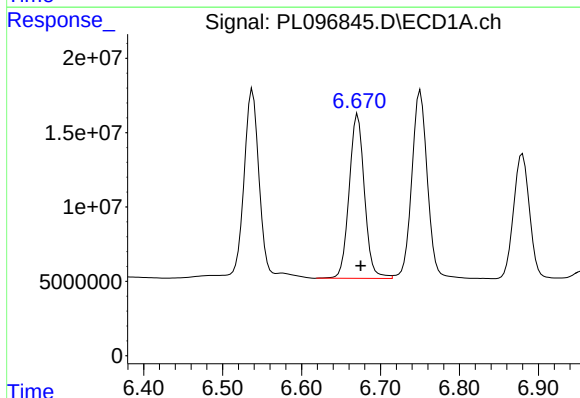
Manual Integrations
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Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



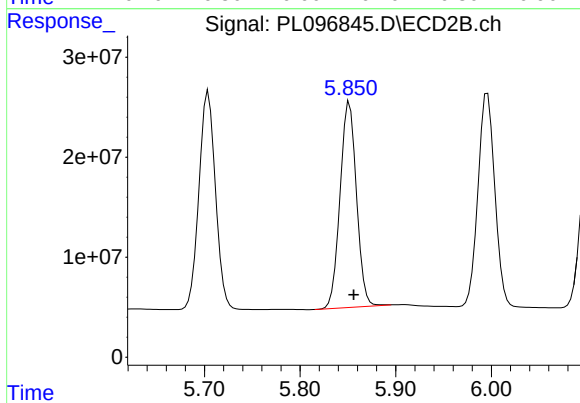
#15 Endosulfan II

R.T.: 5.996 min
Delta R.T.: -0.005 min
Response: 262493294
Conc: 51.11 ng/ml



#16 4,4'-DDD

R.T.: 6.671 min
Delta R.T.: -0.004 min
Response: 148695821
Conc: 58.81 ng/ml

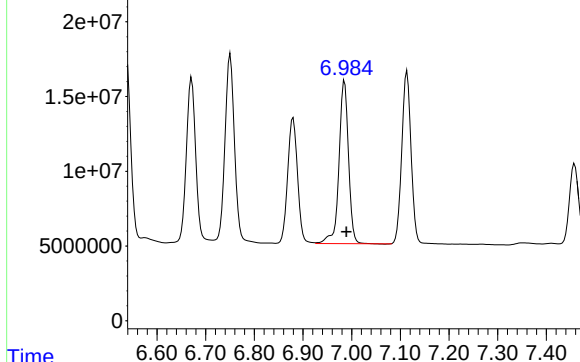


#16 4,4'-DDD

R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 246064001
Conc: 52.30 ng/ml

Response_ Signal: PL096845.D\ECD1A.ch

#17 4,4'-DDT



R.T.: 6.985 min
Delta R.T.: -0.004 min
Response: 147255191
Conc: 51.35 ng/ml

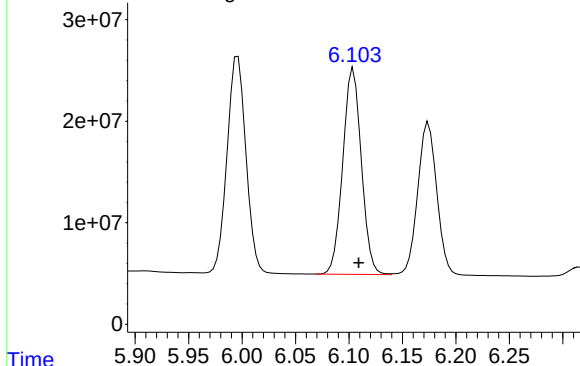
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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Supervised By :mohammad ahmed 08/20/2025

Time Response_ Signal: PL096845.D\ECD2B.ch

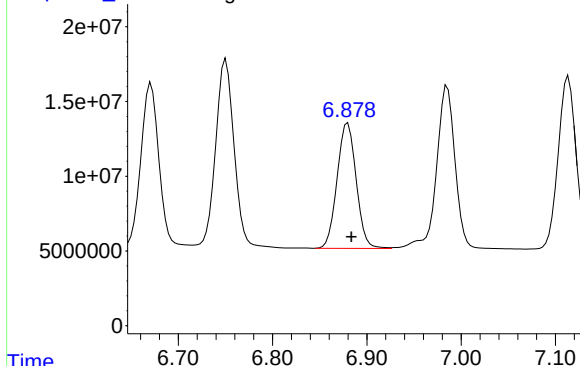
#17 4,4'-DDT



R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 245739224
Conc: 48.58 ng/ml

Time Response_ Signal: PL096845.D\ECD1A.ch

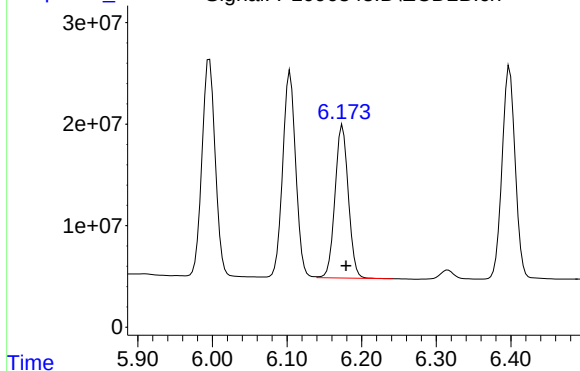
#18 Endrin aldehyde



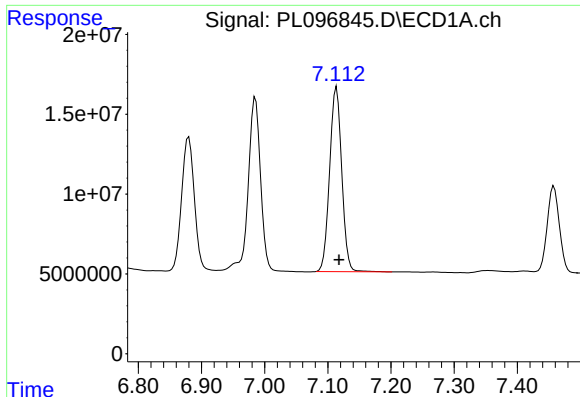
R.T.: 6.880 min
Delta R.T.: -0.004 min
Response: 117931640
Conc: 54.96 ng/ml

Time Response_ Signal: PL096845.D\ECD2B.ch

#18 Endrin aldehyde



R.T.: 6.174 min
Delta R.T.: -0.005 min
Response: 186925672
Conc: 51.42 ng/ml



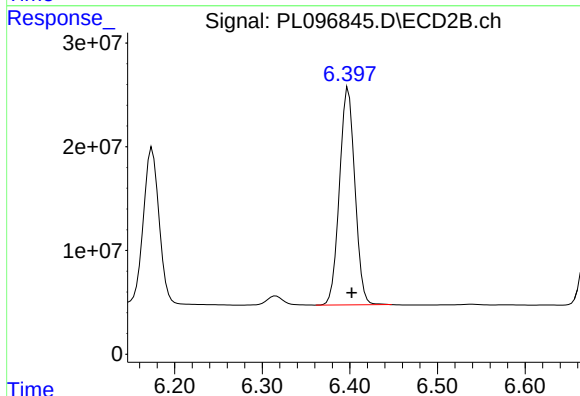
#19 Endosulfan Sulfate

R.T.: 7.114 min
Delta R.T.: -0.004 min
Response: 154007200
Conc: 53.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

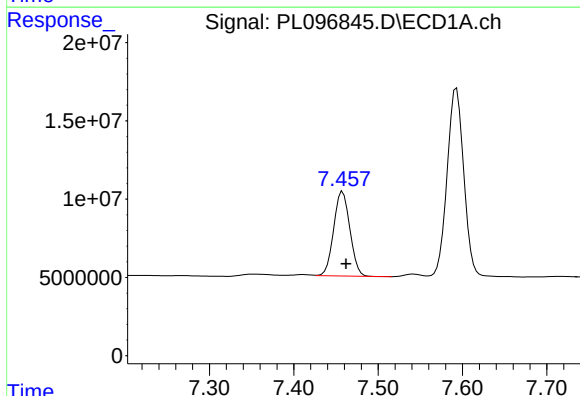
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 08/20/2025



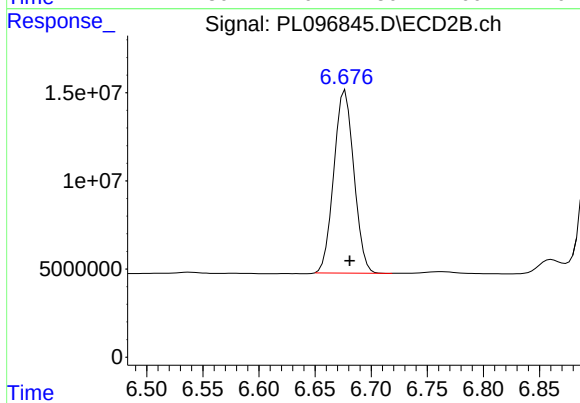
#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 256253832
Conc: 50.38 ng/ml



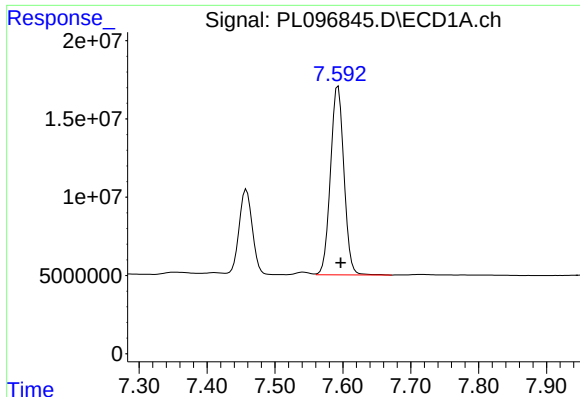
#20 Methoxychlor

R.T.: 7.458 min
Delta R.T.: -0.004 min
Response: 72091292
Conc: 49.10 ng/ml



#20 Methoxychlor

R.T.: 6.677 min
Delta R.T.: -0.004 min
Response: 128795259
Conc: 47.00 ng/ml



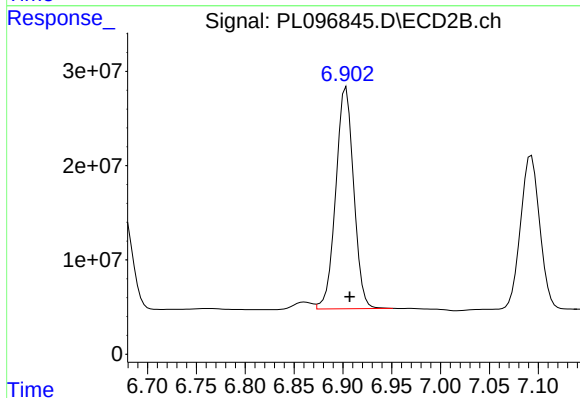
#21 Endrin ketone

R.T.: 7.593 min
Delta R.T.: -0.004 min
Response: 165953120
Conc: 55.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

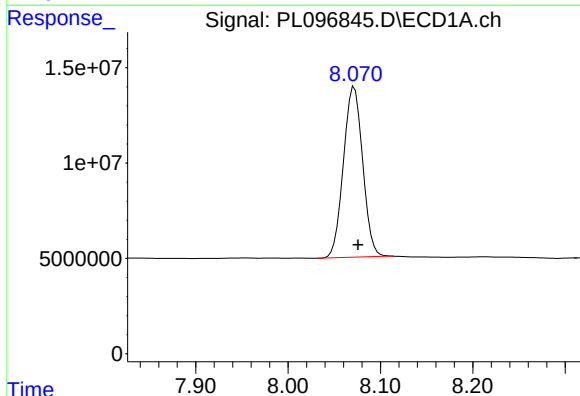
Manual Integrations
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Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



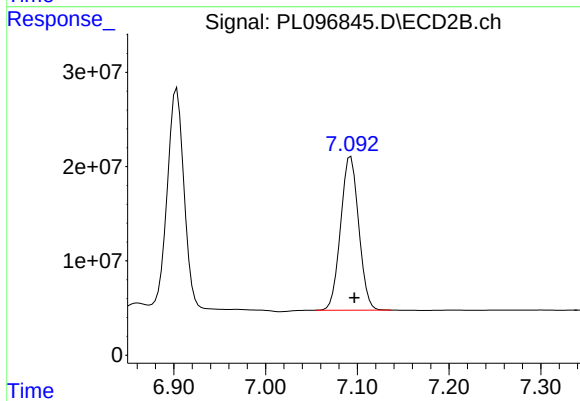
#21 Endrin ketone

R.T.: 6.903 min
Delta R.T.: -0.004 min
Response: 300116611
Conc: 53.88 ng/ml



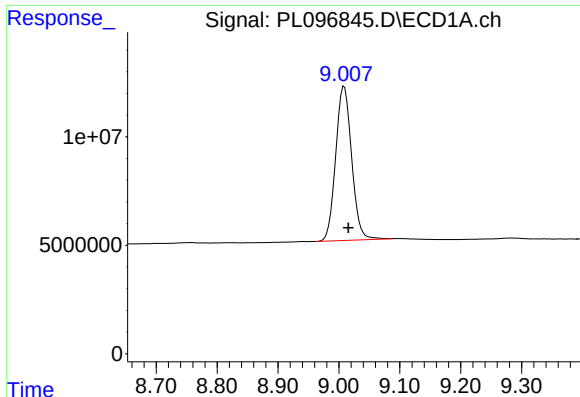
#22 Mirex

R.T.: 8.070 min
Delta R.T.: -0.005 min
Response: 129262489
Conc: 52.14 ng/ml m



#22 Mirex

R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 222902285
Conc: 51.11 ng/ml m



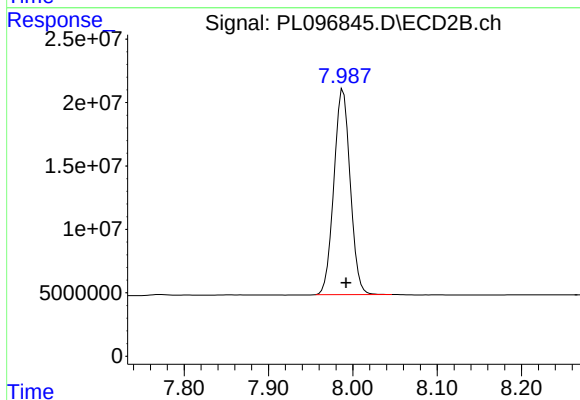
#28 Decachlorobiphenyl

R.T.: 9.007 min
Delta R.T.: -0.008 min
Response: 129493961
Conc: 54.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



#28 Decachlorobiphenyl

R.T.: 7.989 min
Delta R.T.: -0.004 min
Response: 218134870
Conc: 50.28 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

Continuing Calib Date: 08/18/2025

Initial Calibration Date(s): 07/28/2025

07/28/2025

Continuing Calib Time: 12:53

Initial Calibration Time(s): 16:52

17:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.00	9.02	8.92	9.12	0.02
Tetrachloro-m-xylene	3.53	3.54	3.44	3.64	0.01
alpha-BHC	3.98	3.98	3.88	4.08	0.00
beta-BHC	4.49	4.50	4.40	4.60	0.01
delta-BHC	4.74	4.74	4.64	4.84	0.00
gamma-BHC (Lindane)	4.30	4.31	4.21	4.41	0.01
Heptachlor	4.90	4.90	4.80	5.00	0.00
Aldrin	5.24	5.24	5.14	5.34	0.00
Heptachlor epoxide	5.66	5.66	5.56	5.76	0.00
Endosulfan I	6.04	6.04	5.94	6.14	0.00
Dieldrin	6.31	6.32	6.22	6.42	0.01
4,4'-DDE	6.16	6.17	6.07	6.27	0.01
Endrin	6.53	6.54	6.44	6.64	0.01
Endosulfan II	6.75	6.76	6.66	6.86	0.01
4,4'-DDD	6.67	6.68	6.58	6.78	0.01
Endosulfan sulfate	7.11	7.12	7.02	7.22	0.01
4,4'-DDT	6.98	6.99	6.89	7.09	0.01
Methoxychlor	7.46	7.46	7.36	7.56	0.01
Endrin ketone	7.59	7.60	7.50	7.70	0.01
Endrin aldehyde	6.88	6.88	6.78	6.98	0.00
alpha-Chlordane	5.99	6.00	5.90	6.10	0.01
gamma-Chlordane	5.91	5.92	5.82	6.02	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

Continuing Calib Date: 08/18/2025

Initial Calibration Date(s): 07/28/2025

07/28/2025

Continuing Calib Time: 12:53

Initial Calibration Time(s): 16:52

17:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.99	7.99	7.89	8.09	0.00
Tetrachloro-m-xylene	2.83	2.83	2.73	2.93	0.00
alpha-BHC	3.33	3.33	3.23	3.43	0.00
beta-BHC	3.96	3.96	3.86	4.06	0.00
delta-BHC	4.19	4.20	4.10	4.30	0.01
gamma-BHC (Lindane)	3.66	3.67	3.57	3.77	0.01
Heptachlor	4.01	4.01	3.91	4.11	0.00
Aldrin	4.29	4.30	4.20	4.40	0.01
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	5.43	5.33	5.53	0.00
4,4'-DDE	5.30	5.30	5.20	5.40	0.00
Endrin	5.71	5.71	5.61	5.81	0.01
Endosulfan II	6.00	6.00	5.90	6.10	0.00
4,4'-DDD	5.85	5.86	5.76	5.96	0.01
Endosulfan sulfate	6.40	6.40	6.30	6.50	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	6.90	6.91	6.81	7.01	0.01
Endrin aldehyde	6.18	6.18	6.08	6.28	0.00
alpha-Chlordane	5.11	5.12	5.02	5.22	0.01
gamma-Chlordane	5.05	5.05	4.95	5.15	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2879
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/18/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096850.D **Time Analyzed:** 12:53

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.669	6.575	6.775	57.210	50.000	14.4
4,4'-DDE	6.160	6.066	6.266	55.120	50.000	10.2
4,4'-DDT	6.983	6.889	7.089	51.140	50.000	2.3
Aldrin	5.236	5.143	5.343	55.700	50.000	11.4
alpha-BHC	3.976	3.882	4.082	57.600	50.000	15.2
alpha-Chlordane	5.990	5.897	6.097	55.490	50.000	11.0
beta-BHC	4.491	4.397	4.597	57.540	50.000	15.1
Decachlorobiphenyl	9.003	8.916	9.116	53.820	50.000	7.6
delta-BHC	4.738	4.643	4.843	57.850	50.000	15.7
Dieldrin	6.309	6.216	6.416	54.640	50.000	9.3
Endosulfan I	6.037	5.944	6.144	54.130	50.000	8.3
Endosulfan II	6.748	6.655	6.855	56.140	50.000	12.3
Endosulfan sulfate	7.109	7.018	7.218	52.640	50.000	5.3
Endrin	6.534	6.442	6.642	52.070	50.000	4.1
Endrin aldehyde	6.877	6.784	6.984	55.540	50.000	11.1
Endrin ketone	7.590	7.497	7.697	54.010	50.000	8.0
gamma-BHC (Lindane)	4.304	4.210	4.410	56.550	50.000	13.1
gamma-Chlordane	5.909	5.816	6.016	56.430	50.000	12.9
Heptachlor	4.897	4.803	5.003	58.560	50.000	17.1
Heptachlor epoxide	5.656	5.562	5.762	56.230	50.000	12.5
Methoxychlor	7.455	7.362	7.562	49.070	50.000	-1.9
Tetrachloro-m-xylene	3.531	3.435	3.635	56.740	50.000	13.5



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2879
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/18/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096850.D **Time Analyzed:** 12:53

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.852	5.756	5.956	52.090	50.000	4.2
4,4'-DDE	5.300	5.204	5.404	51.640	50.000	3.3
4,4'-DDT	6.105	6.009	6.209	47.630	50.000	-4.7
Aldrin	4.293	4.197	4.397	52.560	50.000	5.1
alpha-BHC	3.331	3.233	3.433	54.010	50.000	8.0
alpha-Chlordane	5.111	5.015	5.215	51.140	50.000	2.3
beta-BHC	3.959	3.861	4.061	53.850	50.000	7.7
Decachlorobiphenyl	7.987	7.892	8.092	49.740	50.000	-0.5
delta-BHC	4.191	4.095	4.295	53.360	50.000	6.7
Dieldrin	5.431	5.334	5.534	51.330	50.000	2.7
Endosulfan I	5.166	5.069	5.269	49.310	50.000	-1.4
Endosulfan II	5.997	5.901	6.101	50.630	50.000	1.3
Endosulfan sulfate	6.398	6.302	6.502	49.500	50.000	-1.0
Endrin	5.705	5.609	5.809	47.970	50.000	-4.1
Endrin aldehyde	6.175	6.079	6.279	52.470	50.000	4.9
Endrin ketone	6.902	6.807	7.007	53.400	50.000	6.8
gamma-BHC (Lindane)	3.663	3.565	3.765	53.650	50.000	7.3
gamma-Chlordane	5.047	4.951	5.151	52.310	50.000	4.6
Heptachlor	4.011	3.914	4.114	51.450	50.000	2.9
Heptachlor epoxide	4.795	4.699	4.899	51.660	50.000	3.3
Methoxychlor	6.676	6.581	6.781	46.580	50.000	-6.8
Tetrachloro-m-xylene	2.825	2.728	2.928	54.010	50.000	8.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
 Data File : PL096850.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 12:53
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
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Reviewed By : Abdul Mirza 08/19/2025
 Supervised By : mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 16:14:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.825	180.5E6	258.1E6	56.743	54.013
28)	SA Decachlor...	9.003	7.987	128.3E6	215.8E6	53.820m	49.743
Target Compounds							
2)	A alpha-BHC	3.976	3.331	266.5E6	382.2E6	57.604m	54.010
3)	MA gamma-BHC...	4.304	3.663	250.2E6	354.3E6	56.552m	53.650
4)	MA Heptachlor	4.897	4.011	243.4E6	342.8E6	58.563	51.453
5)	MB Aldrin	5.236	4.293	239.5E6	326.2E6	55.696	52.556
6)	B beta-BHC	4.491	3.959	103.9E6	151.9E6	57.544m	53.854
7)	B delta-BHC	4.738	4.191	230.8E6	345.4E6	57.846	53.355
8)	B Heptachlo...	5.656	4.795	216.8E6	295.1E6	56.227	51.661
9)	A Endosulfan I	6.037	5.166	194.7E6	272.8E6	54.131	49.314
10)	B gamma-Chl...	5.909	5.047	214.7E6	307.6E6	56.428	52.309
11)	B alpha-Chl...	5.990	5.111	213.9E6	301.7E6	55.491	51.139
12)	B 4,4'-DDE	6.160	5.300	177.0E6	284.8E6	55.124	51.643
13)	MA Dieldrin	6.309	5.431	202.8E6	303.2E6	54.636	51.330
14)	MA Endrin	6.534	5.705	157.6E6	259.3E6	52.066m	47.971
15)	B Endosulfa...	6.748	5.997	179.8E6	260.0E6	56.140	50.628
16)	A 4,4'-DDD	6.669	5.852	144.7E6	245.1E6	57.213	52.092
17)	MA 4,4'-DDT	6.983	6.105	146.7E6	240.9E6	51.141	47.630
18)	B Endrin al...	6.877	6.175	119.2E6	190.7E6	55.544	52.471
19)	B Endosulfa...	7.109	6.398	151.3E6	251.8E6	52.640m	49.499
20)	A Methoxychlor	7.455	6.676	72047040	127.7E6	49.067	46.583
21)	B Endrin ke...	7.590	6.902	162.4E6	297.4E6	54.012	53.401
22)	Mirex	8.067	7.091	129.4E6	219.8E6	52.182m	50.393m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 12:53
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

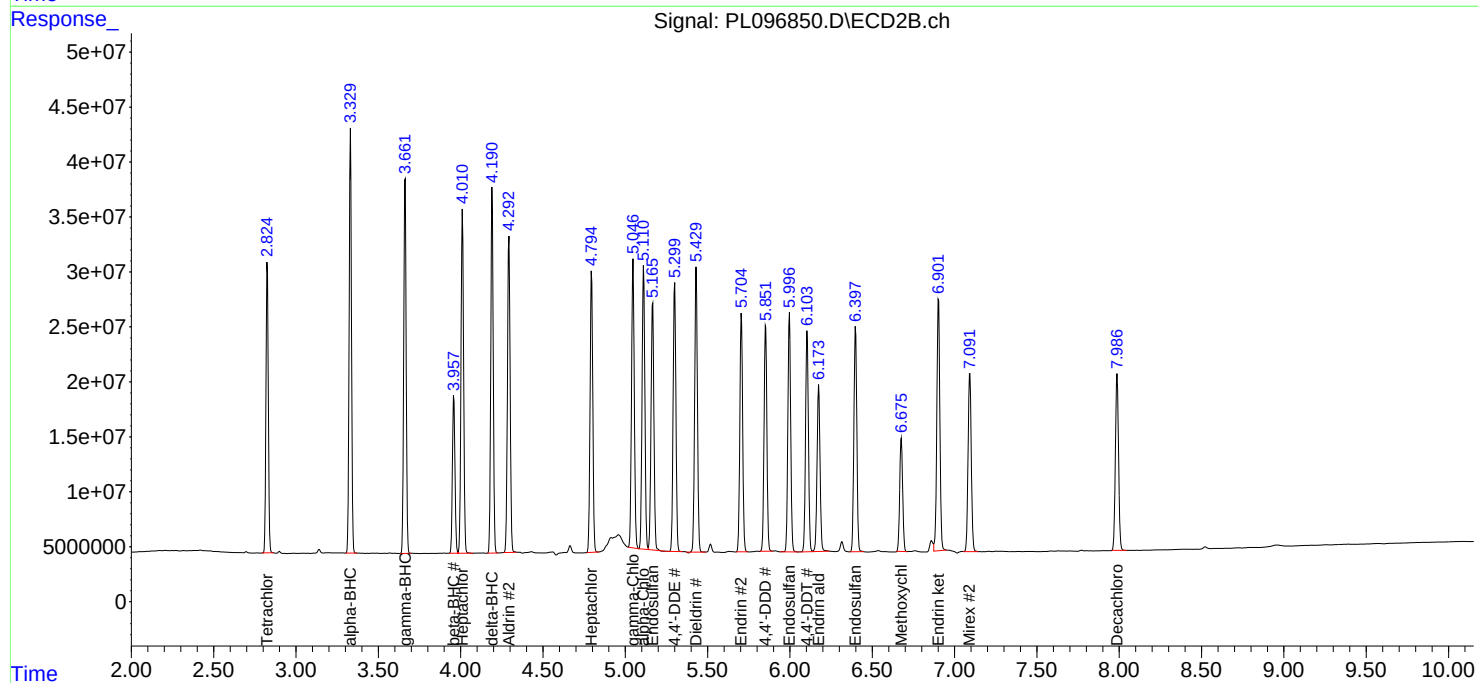
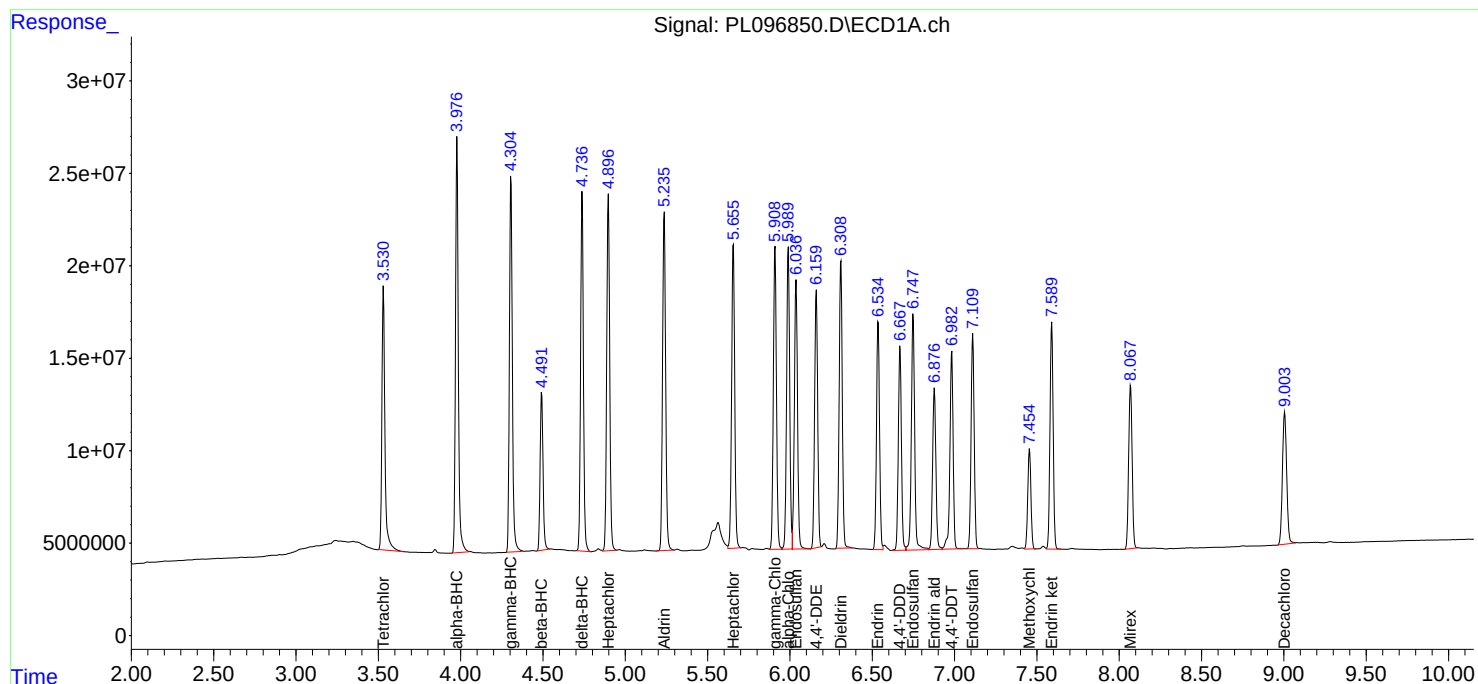
APPROVED

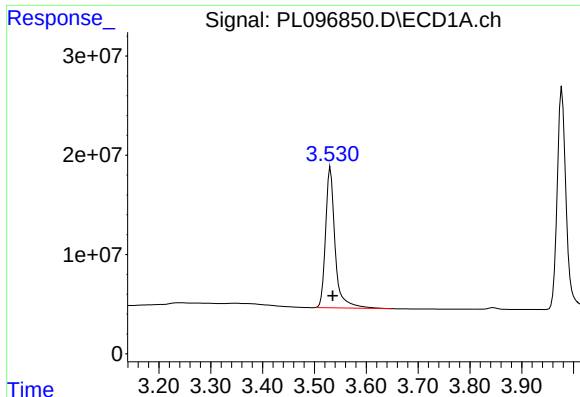
Reviewed By :Abdul Mirza 08/19/2025

Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 16:14:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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





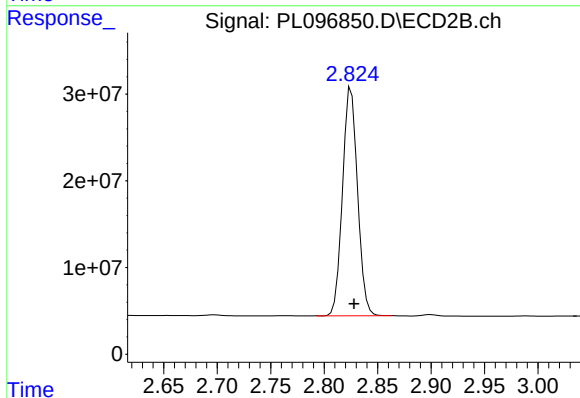
#1 Tetrachloro-m-xylene

R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 180486809
Conc: 56.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

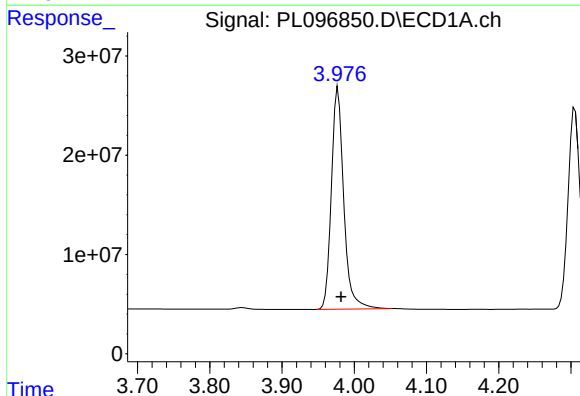
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



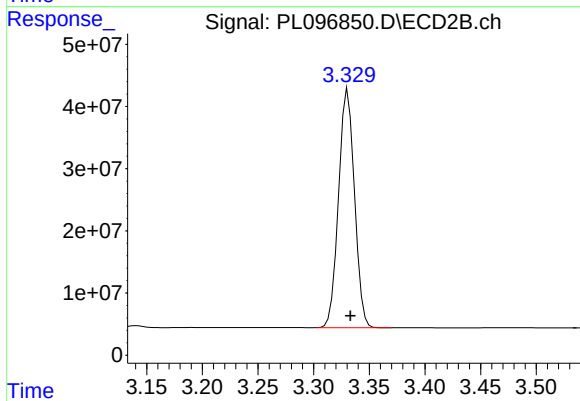
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 258062587
Conc: 54.01 ng/ml



#2 alpha-BHC

R.T.: 3.976 min
Delta R.T.: -0.006 min
Response: 266497544
Conc: 57.60 ng/ml m



#2 alpha-BHC

R.T.: 3.331 min
Delta R.T.: -0.002 min
Response: 382230166
Conc: 54.01 ng/ml

Response_ Signal: PL096850.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.304 min
Delta R.T.: -0.006 min
Response: 250153591
Conc: 56.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

**Manual Integrations
APPROVED**

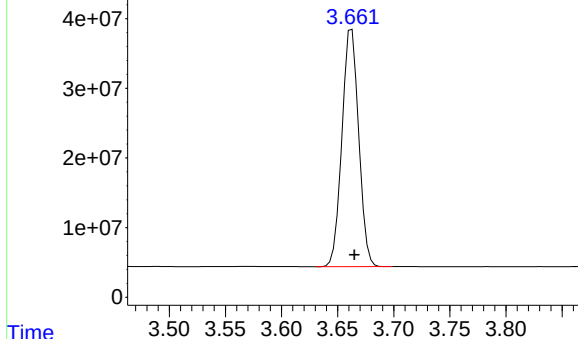
Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

Time

Response_ Signal: PL096850.D\ECD2B.ch

#3 gamma-BHC (Lindane)

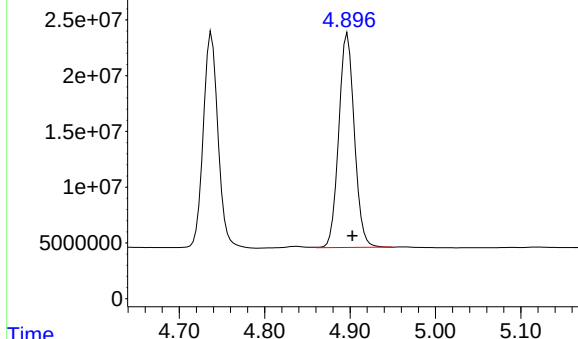
R.T.: 3.663 min
Delta R.T.: -0.002 min
Response: 354267631
Conc: 53.65 ng/ml



Response_ Signal: PL096850.D\ECD1A.ch

#4 Heptachlor

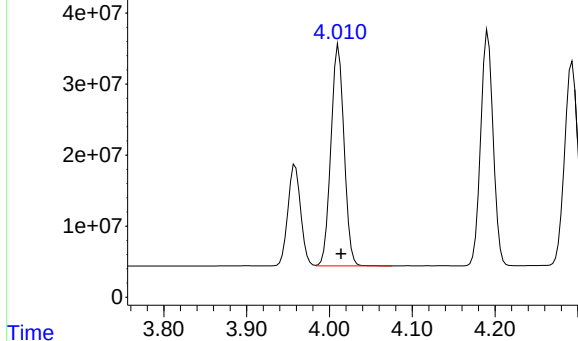
R.T.: 4.897 min
Delta R.T.: -0.006 min
Response: 243370604
Conc: 58.56 ng/ml

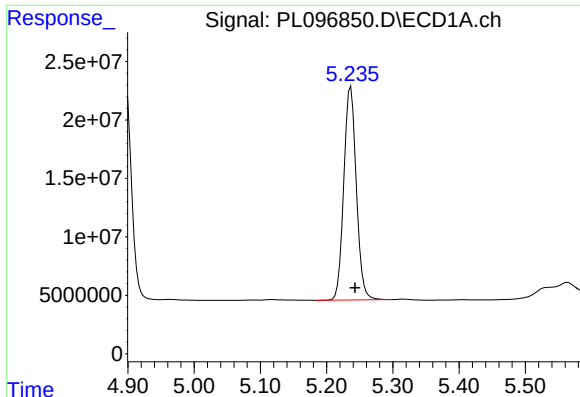


Response_ Signal: PL096850.D\ECD2B.ch

#4 Heptachlor

R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 342778742
Conc: 51.45 ng/ml





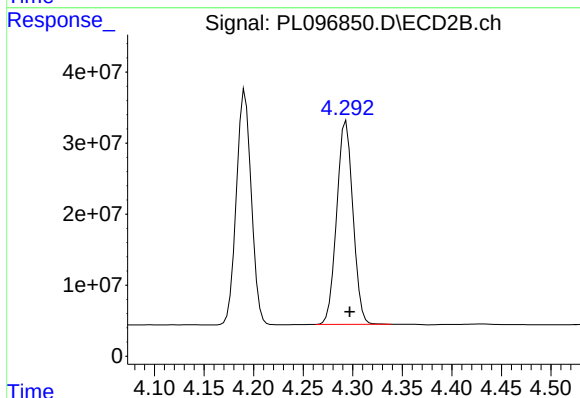
#5 Aldrin

R.T.: 5.236 min
Delta R.T.: -0.006 min
Response: 239548150
Conc: 55.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

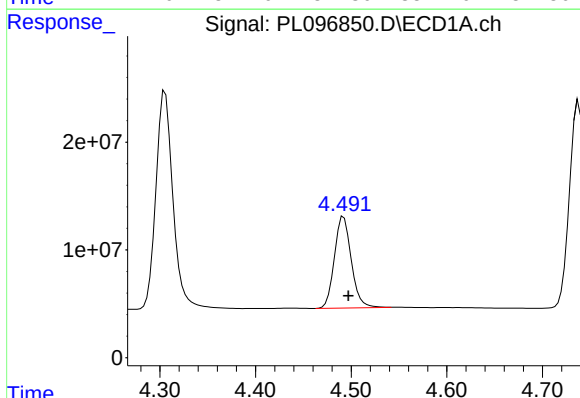
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



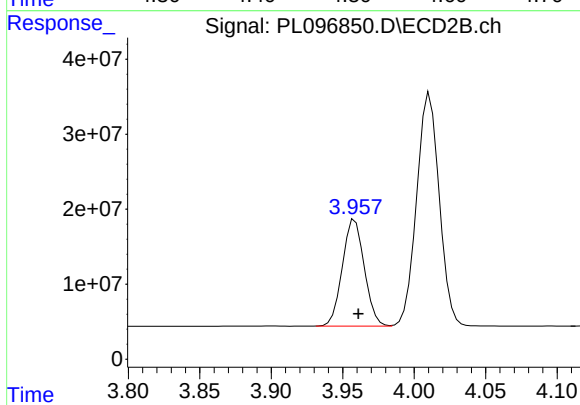
#5 Aldrin

R.T.: 4.293 min
Delta R.T.: -0.004 min
Response: 326218108
Conc: 52.56 ng/ml



#6 beta-BHC

R.T.: 4.491 min
Delta R.T.: -0.006 min
Response: 103865692
Conc: 57.54 ng/ml m

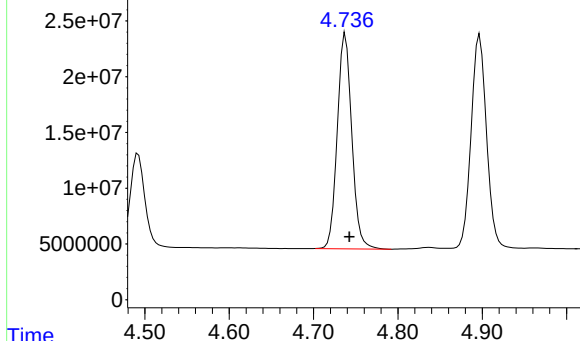


#6 beta-BHC

R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 151916219
Conc: 53.85 ng/ml

Response_ Signal: PL096850.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.738 min
Delta R.T.: -0.005 min
Response: 230798856
Conc: 57.85 ng/ml

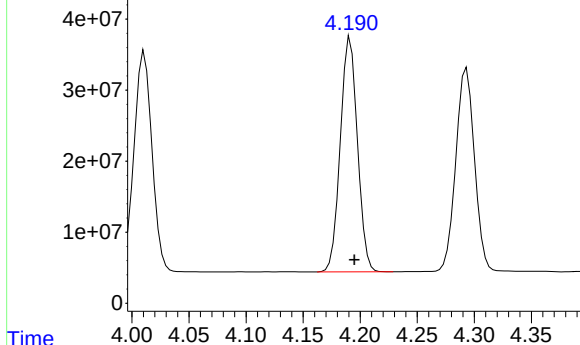
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

Time Response_ Signal: PL096850.D\ECD2B.ch

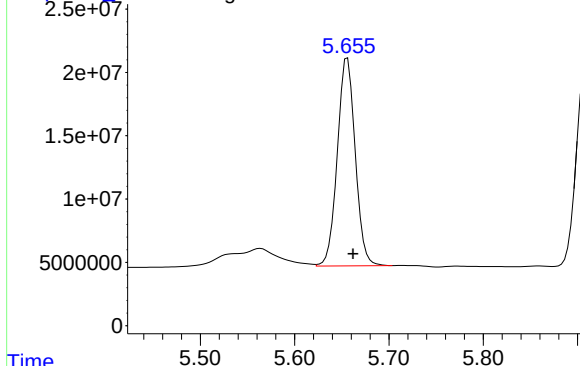
#7 delta-BHC



R.T.: 4.191 min
Delta R.T.: -0.004 min
Response: 345402486
Conc: 53.36 ng/ml

Time Response_ Signal: PL096850.D\ECD1A.ch

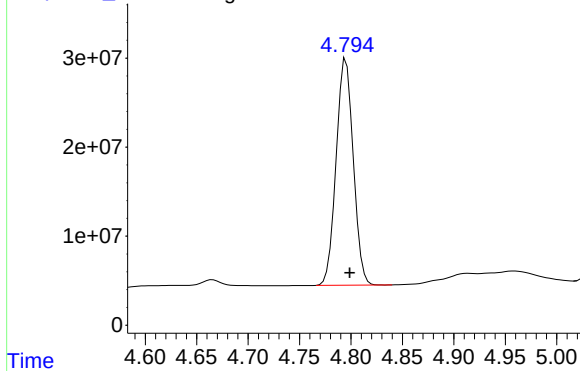
#8 Heptachlor epoxide



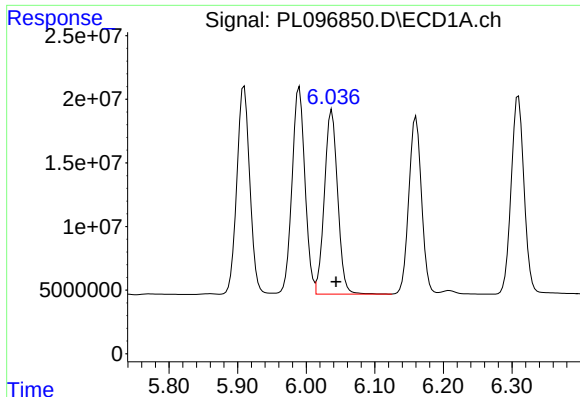
R.T.: 5.656 min
Delta R.T.: -0.006 min
Response: 216841548
Conc: 56.23 ng/ml

Time Response_ Signal: PL096850.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.795 min
Delta R.T.: -0.004 min
Response: 295053706
Conc: 51.66 ng/ml



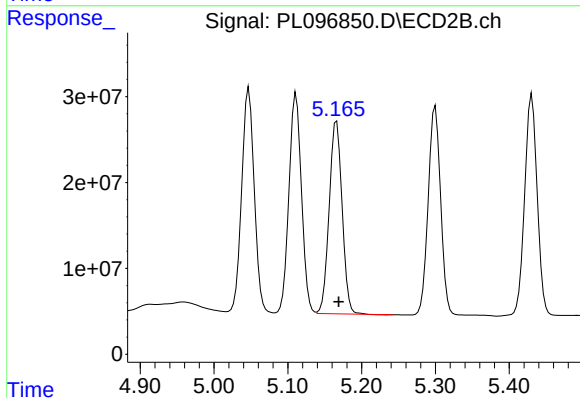
#9 Endosulfan I

R.T.: 6.037 min
Delta R.T.: -0.006 min
Response: 194673996
Conc: 54.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

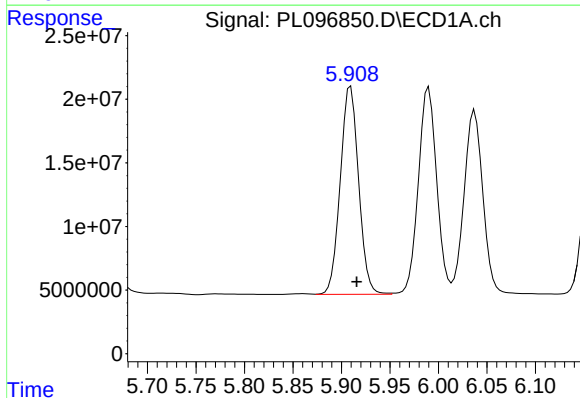
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



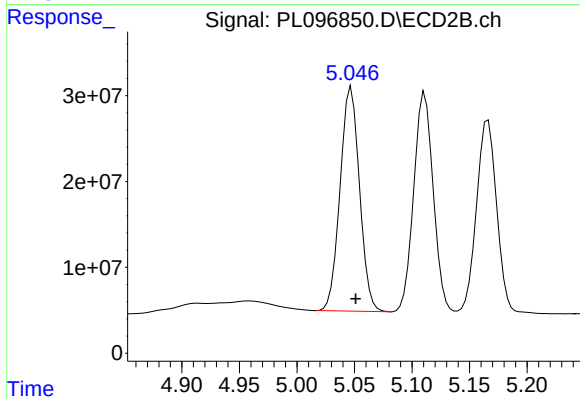
#9 Endosulfan I

R.T.: 5.166 min
Delta R.T.: -0.003 min
Response: 272775922
Conc: 49.31 ng/ml



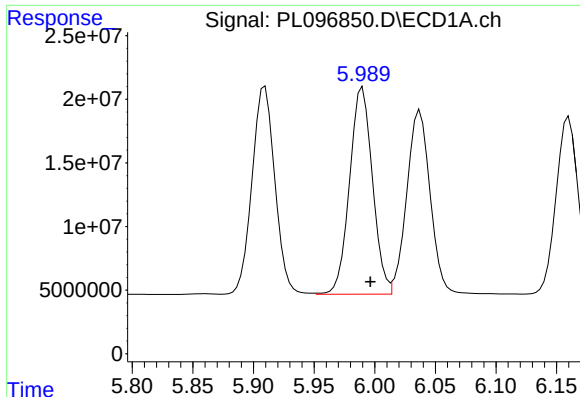
#10 gamma-Chlordane

R.T.: 5.909 min
Delta R.T.: -0.006 min
Response: 214722800
Conc: 56.43 ng/ml



#10 gamma-Chlordane

R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 307585622
Conc: 52.31 ng/ml



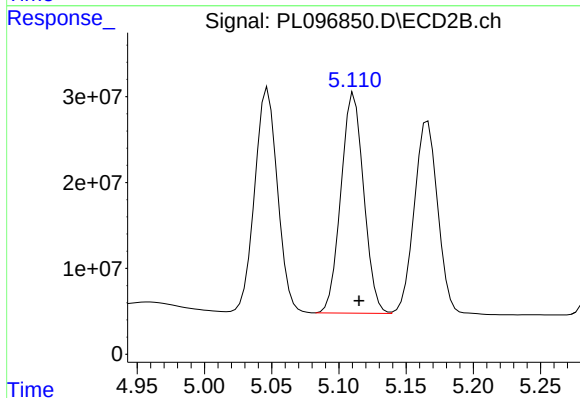
#11 alpha-Chlordane

R.T.: 5.990 min
Delta R.T.: -0.007 min
Response: 21390002
Conc: 55.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

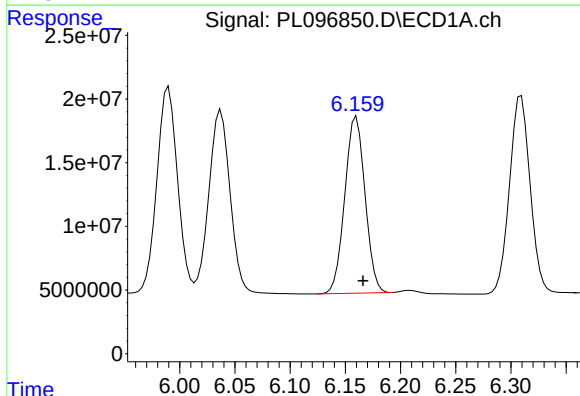
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



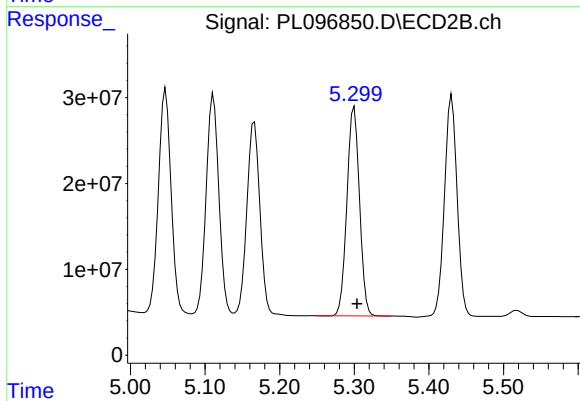
#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 301663826
Conc: 51.14 ng/ml



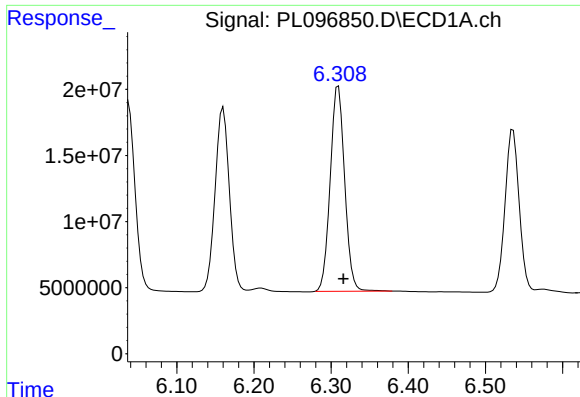
#12 4,4'-DDE

R.T.: 6.160 min
Delta R.T.: -0.006 min
Response: 177016085
Conc: 55.12 ng/ml



#12 4,4'-DDE

R.T.: 5.300 min
Delta R.T.: -0.004 min
Response: 284781762
Conc: 51.64 ng/ml



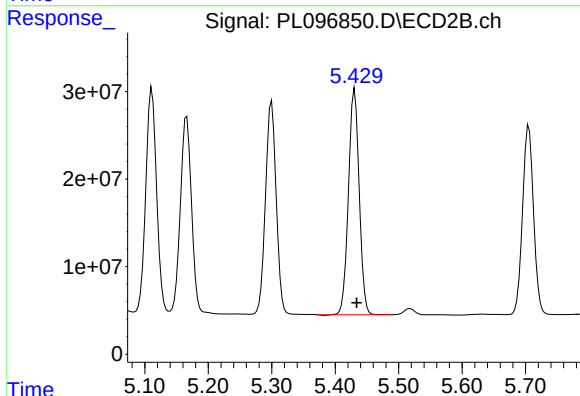
#13 Dieldrin

R.T.: 6.309 min
Delta R.T.: -0.006 min
Response: 202760836
Conc: 54.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

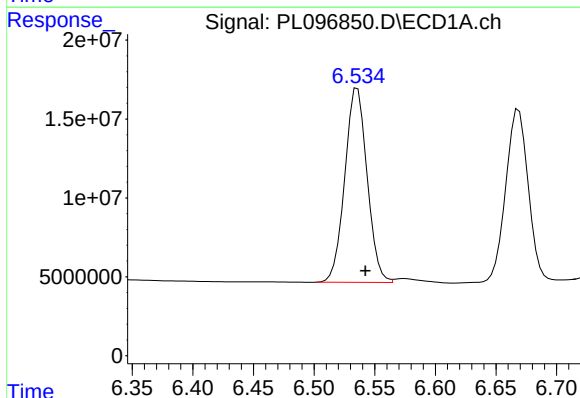
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



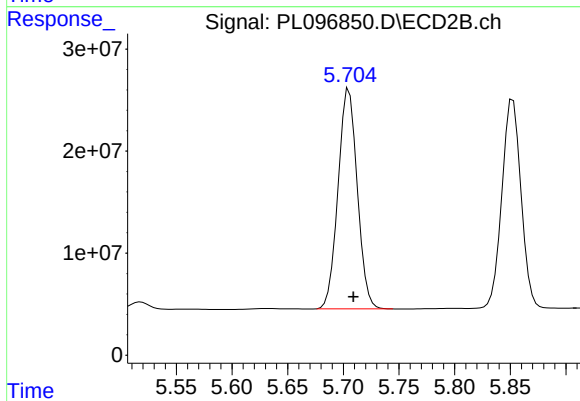
#13 Dieldrin

R.T.: 5.431 min
Delta R.T.: -0.003 min
Response: 303181110
Conc: 51.33 ng/ml



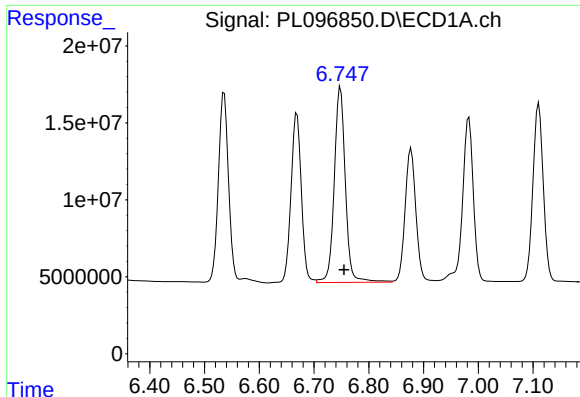
#14 Endrin

R.T.: 6.534 min
Delta R.T.: -0.008 min
Response: 157593192
Conc: 52.07 ng/ml m



#14 Endrin

R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 259330218
Conc: 47.97 ng/ml



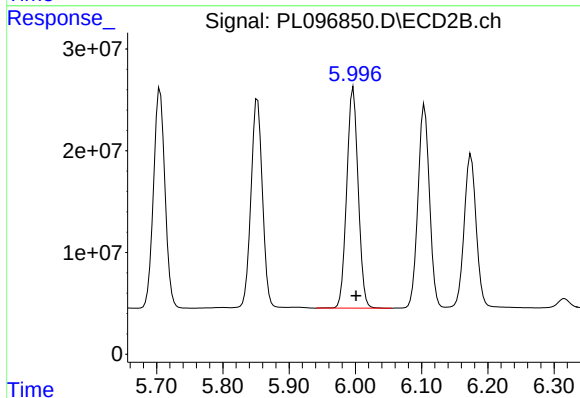
#15 Endosulfan II

R.T.: 6.748 min
Delta R.T.: -0.007 min
Response: 179795338
Conc: 56.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

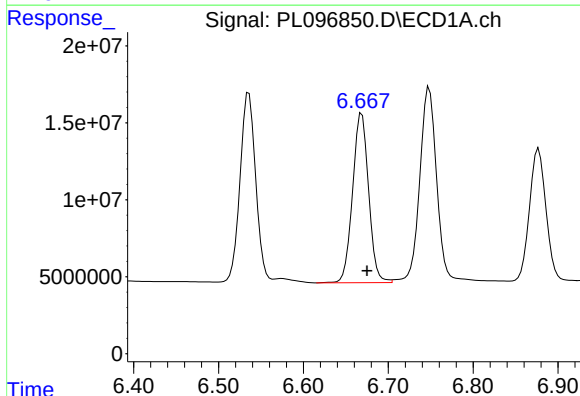
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 08/20/2025



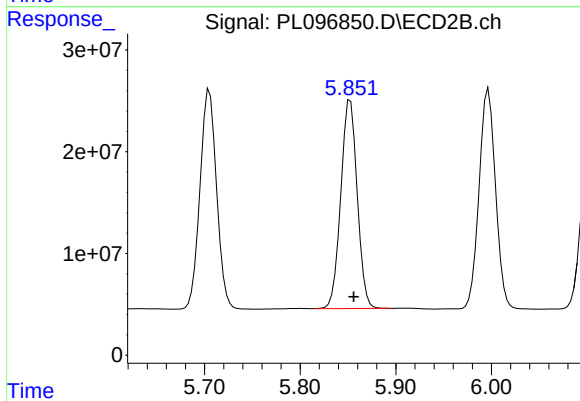
#15 Endosulfan II

R.T.: 5.997 min
Delta R.T.: -0.004 min
Response: 260037643
Conc: 50.63 ng/ml



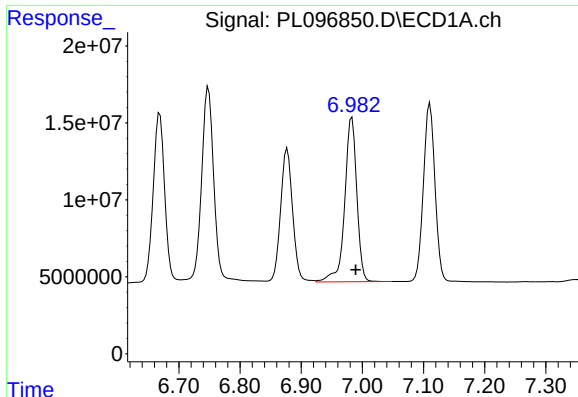
#16 4,4'-DDD

R.T.: 6.669 min
Delta R.T.: -0.006 min
Response: 144655392
Conc: 57.21 ng/ml



#16 4,4'-DDD

R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 245109783
Conc: 52.09 ng/ml



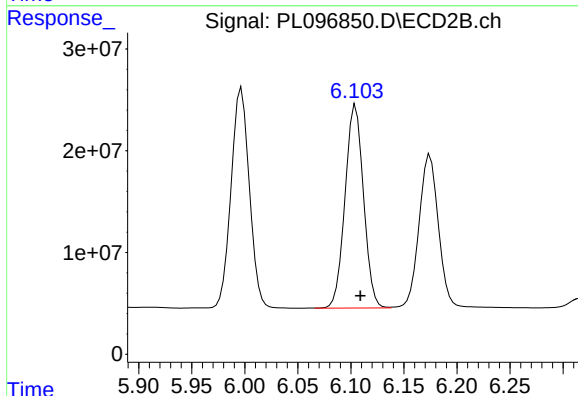
#17 4,4'-DDT

R.T.: 6.983 min
Delta R.T.: -0.006 min
Response: 146657638
Conc: 51.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

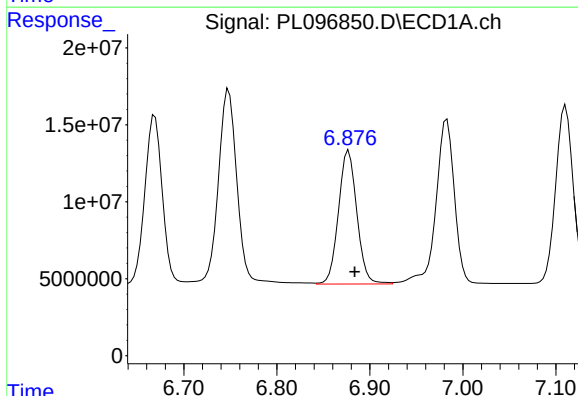
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



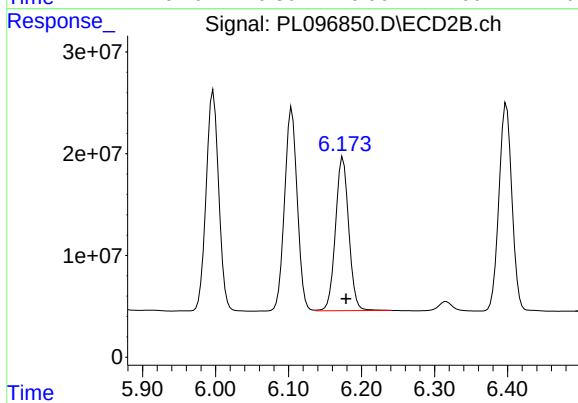
#17 4,4'-DDT

R.T.: 6.105 min
Delta R.T.: -0.004 min
Response: 240928658
Conc: 47.63 ng/ml



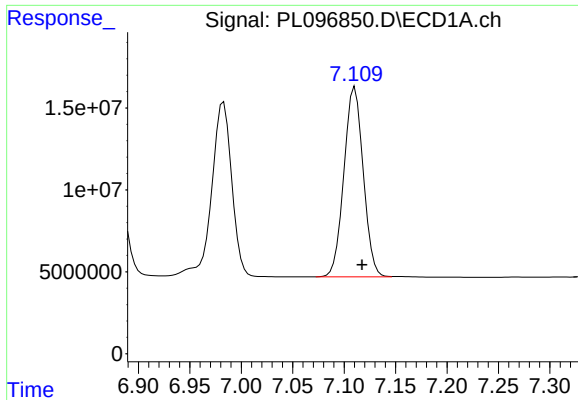
#18 Endrin aldehyde

R.T.: 6.877 min
Delta R.T.: -0.006 min
Response: 119191848
Conc: 55.54 ng/ml



#18 Endrin aldehyde

R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 190732922
Conc: 52.47 ng/ml



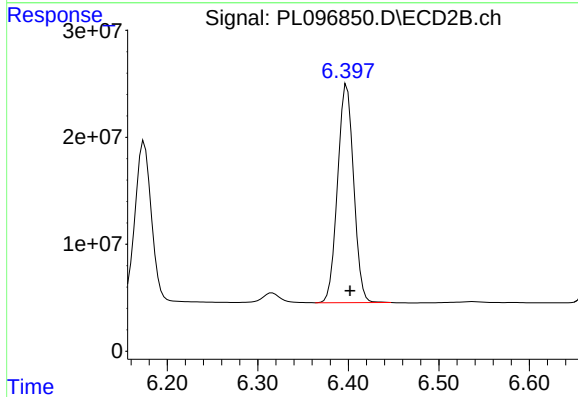
#19 Endosulfan Sulfate

R.T.: 7.109 min
Delta R.T.: -0.008 min
Response: 151272628
Conc: 52.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

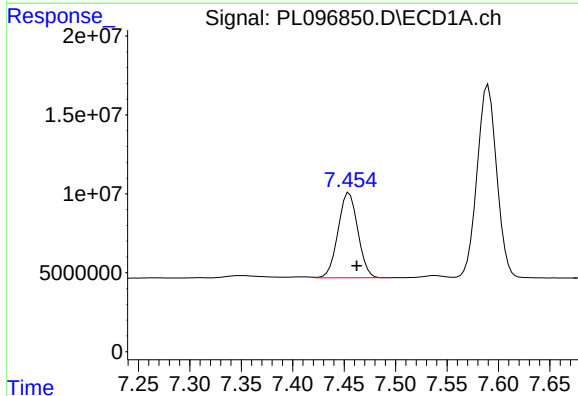
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



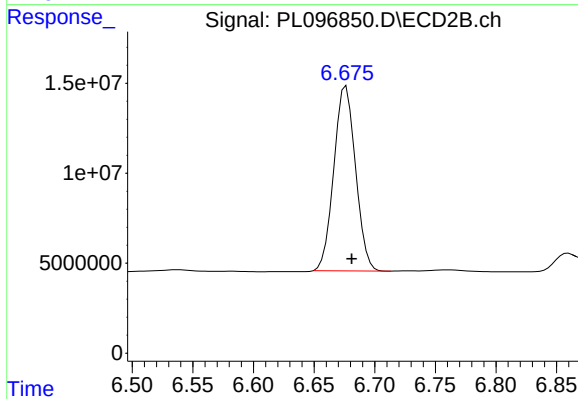
#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 251764095
Conc: 49.50 ng/ml



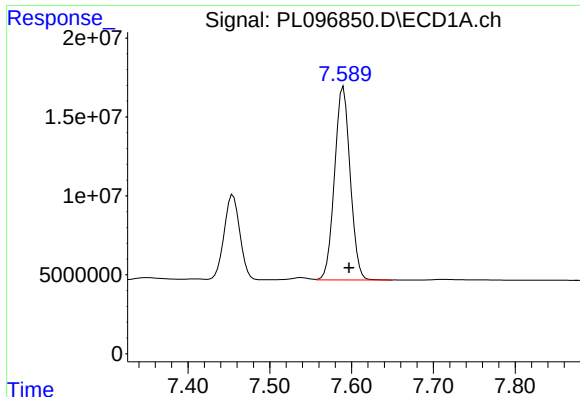
#20 Methoxychlor

R.T.: 7.455 min
Delta R.T.: -0.007 min
Response: 72047040
Conc: 49.07 ng/ml



#20 Methoxychlor

R.T.: 6.676 min
Delta R.T.: -0.005 min
Response: 127661189
Conc: 46.58 ng/ml



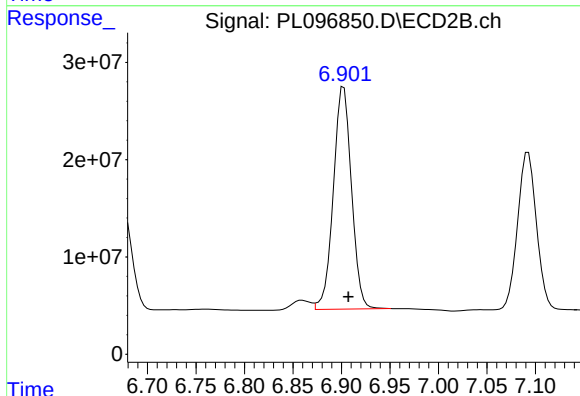
#21 Endrin ketone

R.T.: 7.590 min
Delta R.T.: -0.007 min
Response: 162398327
Conc: 54.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

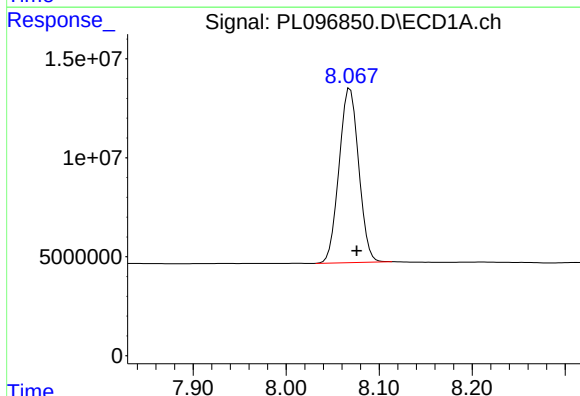
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



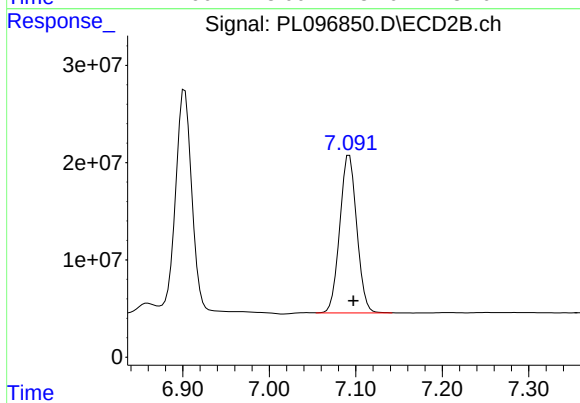
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 297432233
Conc: 53.40 ng/ml



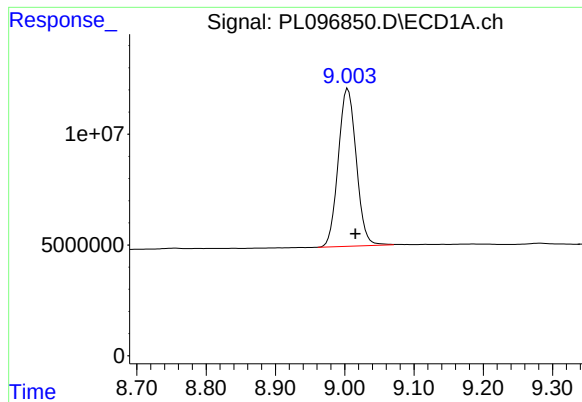
#22 Mirex

R.T.: 8.067 min
Delta R.T.: -0.008 min
Response: 129378159
Conc: 52.18 ng/ml m



#22 Mirex

R.T.: 7.091 min
Delta R.T.: -0.006 min
Response: 219758637
Conc: 50.39 ng/ml m



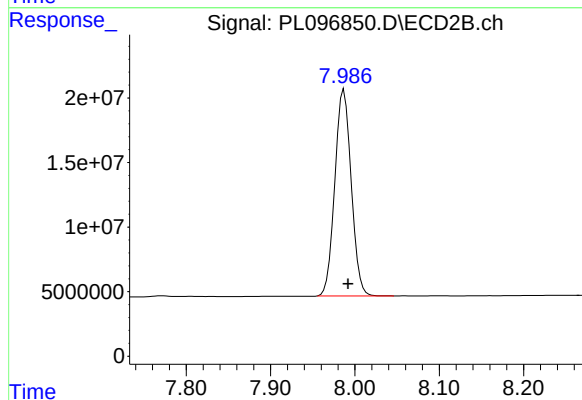
#28 Decachlorobiphenyl

R.T.: 9.003 min
Delta R.T.: -0.012 min
Response: 128342711
Conc: 53.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 215802739
Conc: 49.74 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

Continuing Calib Date: 08/18/2025

Initial Calibration Date(s): 07/28/2025

07/28/2025

Continuing Calib Time: 17:11

Initial Calibration Time(s): 16:52

17:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.00	9.02	8.92	9.12	0.02
Tetrachloro-m-xylene	3.53	3.54	3.44	3.64	0.01
alpha-BHC	3.98	3.98	3.88	4.08	0.00
beta-BHC	4.49	4.50	4.40	4.60	0.01
delta-BHC	4.74	4.74	4.64	4.84	0.00
gamma-BHC (Lindane)	4.31	4.31	4.21	4.41	0.00
Heptachlor	4.90	4.90	4.80	5.00	0.00
Aldrin	5.24	5.24	5.14	5.34	0.00
Heptachlor epoxide	5.66	5.66	5.56	5.76	0.00
Endosulfan I	6.04	6.04	5.94	6.14	0.00
Dieldrin	6.31	6.32	6.22	6.42	0.01
4,4'-DDE	6.16	6.17	6.07	6.27	0.01
Endrin	6.53	6.54	6.44	6.64	0.01
Endosulfan II	6.75	6.76	6.66	6.86	0.01
4,4'-DDD	6.67	6.68	6.58	6.78	0.01
Endosulfan sulfate	7.11	7.12	7.02	7.22	0.01
4,4'-DDT	6.98	6.99	6.89	7.09	0.01
Methoxychlor	7.45	7.46	7.36	7.56	0.01
Endrin ketone	7.59	7.60	7.50	7.70	0.01
Endrin aldehyde	6.88	6.88	6.78	6.98	0.00
alpha-Chlordane	5.99	6.00	5.90	6.10	0.01
gamma-Chlordane	5.91	5.92	5.82	6.02	0.01



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.: Q2879

Continuing Calib Date: 08/18/2025

Initial Calibration Date(s): 07/28/2025

07/28/2025

Continuing Calib Time: 17:11

Initial Calibration Time(s): 16:52

17:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.98	7.99	7.89	8.09	0.01
Tetrachloro-m-xylene	2.83	2.83	2.73	2.93	0.00
alpha-BHC	3.33	3.33	3.23	3.43	0.00
beta-BHC	3.96	3.96	3.86	4.06	0.00
delta-BHC	4.19	4.20	4.10	4.30	0.01
gamma-BHC (Lindane)	3.66	3.67	3.57	3.77	0.01
Heptachlor	4.01	4.01	3.91	4.11	0.00
Aldrin	4.29	4.30	4.20	4.40	0.01
Heptachlor epoxide	4.79	4.80	4.70	4.90	0.01
Endosulfan I	5.17	5.17	5.07	5.27	0.01
Dieldrin	5.43	5.43	5.33	5.53	0.00
4,4'-DDE	5.30	5.30	5.20	5.40	0.00
Endrin	5.70	5.71	5.61	5.81	0.01
Endosulfan II	6.00	6.00	5.90	6.10	0.00
4,4'-DDD	5.85	5.86	5.76	5.96	0.01
Endosulfan sulfate	6.40	6.40	6.30	6.50	0.00
4,4'-DDT	6.10	6.11	6.01	6.21	0.01
Methoxychlor	6.67	6.68	6.58	6.78	0.01
Endrin ketone	6.90	6.91	6.81	7.01	0.01
Endrin aldehyde	6.17	6.18	6.08	6.28	0.01
alpha-Chlordane	5.11	5.12	5.02	5.22	0.01
gamma-Chlordane	5.05	5.05	4.95	5.15	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2879
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/18/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096858.D **Time Analyzed:** 17:11

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.667	6.575	6.775	57.290	50.000	14.6
4,4'-DDE	6.159	6.066	6.266	55.290	50.000	10.6
4,4'-DDT	6.982	6.889	7.089	49.120	50.000	-1.8
Aldrin	5.236	5.143	5.343	55.400	50.000	10.8
alpha-BHC	3.978	3.882	4.082	57.140	50.000	14.3
alpha-Chlordane	5.989	5.897	6.097	55.080	50.000	10.2
beta-BHC	4.491	4.397	4.597	57.580	50.000	15.2
Decachlorobiphenyl	9.003	8.916	9.116	53.130	50.000	6.3
delta-BHC	4.738	4.643	4.843	57.850	50.000	15.7
Dieldrin	6.307	6.216	6.416	54.620	50.000	9.2
Endosulfan I	6.037	5.944	6.144	54.090	50.000	8.2
Endosulfan II	6.746	6.655	6.855	52.410	50.000	4.8
Endosulfan sulfate	7.108	7.018	7.218	52.270	50.000	4.5
Endrin	6.533	6.442	6.642	50.940	50.000	1.9
Endrin aldehyde	6.876	6.784	6.984	54.910	50.000	9.8
Endrin ketone	7.589	7.497	7.697	54.340	50.000	8.7
gamma-BHC (Lindane)	4.306	4.210	4.410	56.040	50.000	12.1
gamma-Chlordane	5.909	5.816	6.016	56.400	50.000	12.8
Heptachlor	4.897	4.803	5.003	57.590	50.000	15.2
Heptachlor epoxide	5.655	5.562	5.762	58.000	50.000	16.0
Methoxychlor	7.454	7.362	7.562	47.530	50.000	-4.9
Tetrachloro-m-xylene	3.531	3.435	3.635	56.050	50.000	12.1



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.:** Q2879
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/18/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096858.D **Time Analyzed:** 17:11

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.851	5.756	5.956	53.230	50.000	6.5
4,4'-DDE	5.299	5.204	5.404	52.000	50.000	4.0
4,4'-DDT	6.104	6.009	6.209	46.430	50.000	-7.1
Aldrin	4.293	4.197	4.397	52.560	50.000	5.1
alpha-BHC	3.330	3.233	3.433	53.570	50.000	7.1
alpha-Chlordane	5.110	5.015	5.215	51.430	50.000	2.9
beta-BHC	3.958	3.861	4.061	53.580	50.000	7.2
Decachlorobiphenyl	7.984	7.892	8.092	51.580	50.000	3.2
delta-BHC	4.191	4.095	4.295	53.250	50.000	6.5
Dieldrin	5.430	5.334	5.534	51.480	50.000	3.0
Endosulfan I	5.165	5.069	5.269	49.760	50.000	-0.5
Endosulfan II	5.996	5.901	6.101	51.220	50.000	2.4
Endosulfan sulfate	6.397	6.302	6.502	50.320	50.000	0.6
Endrin	5.704	5.609	5.809	49.140	50.000	-1.7
Endrin aldehyde	6.174	6.079	6.279	53.000	50.000	6.0
Endrin ketone	6.901	6.807	7.007	52.880	50.000	5.8
gamma-BHC (Lindane)	3.662	3.565	3.765	53.210	50.000	6.4
gamma-Chlordane	5.046	4.951	5.151	52.580	50.000	5.2
Heptachlor	4.010	3.914	4.114	50.580	50.000	1.2
Heptachlor epoxide	4.794	4.699	4.899	51.630	50.000	3.3
Methoxychlor	6.674	6.581	6.781	46.500	50.000	-7.0
Tetrachloro-m-xylene	2.825	2.728	2.928	53.510	50.000	7.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
 Data File : PL096858.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 17:11
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
 Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:00:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.825	178.3E6	255.7E6	56.053	53.513
28)	SA Decachlor...	9.003	7.984	126.7E6	223.8E6	53.127m	51.577m
Target Compounds							
2)	A alpha-BHC	3.978	3.330	264.4E6	379.1E6	57.144	53.569
3)	MA gamma-BHC...	4.306	3.662	247.9E6	351.4E6	56.045	53.208
4)	MA Heptachlor	4.897	4.010	239.3E6	336.9E6	57.586	50.577
5)	MB Aldrin	5.236	4.293	238.3E6	326.2E6	55.402	52.559
6)	B beta-BHC	4.491	3.958	103.9E6	151.1E6	57.575m	53.581
7)	B delta-BHC	4.738	4.191	230.8E6	344.7E6	57.852	53.254
8)	B Heptachlo...	5.655	4.794	223.7E6	294.9E6	58.001	51.630
9)	A Endosulfan I	6.037	5.165	194.5E6	275.2E6	54.088	49.757
10)	B gamma-Chl...	5.909	5.046	214.6E6	309.2E6	56.404	52.576
11)	B alpha-Chl...	5.989	5.110	212.3E6	303.4E6	55.083	51.430
12)	B 4,4'-DDE	6.159	5.299	177.6E6	286.7E6	55.293	51.999
13)	MA Dieldrin	6.307	5.430	202.7E6	304.1E6	54.620m	51.481
14)	MA Endrin	6.533	5.704	154.2E6	265.6E6	50.941m	49.140
15)	B Endosulfa...	6.746	5.996	167.9E6	263.1E6	52.411m	51.215
16)	A 4,4'-DDD	6.667	5.851	144.8E6	250.5E6	57.289	53.228
17)	MA 4,4'-DDT	6.982	6.104	140.9E6	234.9E6	49.125	46.430
18)	B Endrin al...	6.876	6.174	117.8E6	192.7E6	54.905	52.999
19)	B Endosulfa...	7.108	6.397	150.2E6	255.9E6	52.274m	50.320
20)	A Methoxychlor	7.454	6.674	69792447	127.4E6	47.531	46.496m
21)	B Endrin ke...	7.589	6.901	163.4E6	294.6E6	54.341	52.884
22)	Mirex	8.066	7.091	129.7E6	222.9E6	52.299m	51.123

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096858.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 17:11
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

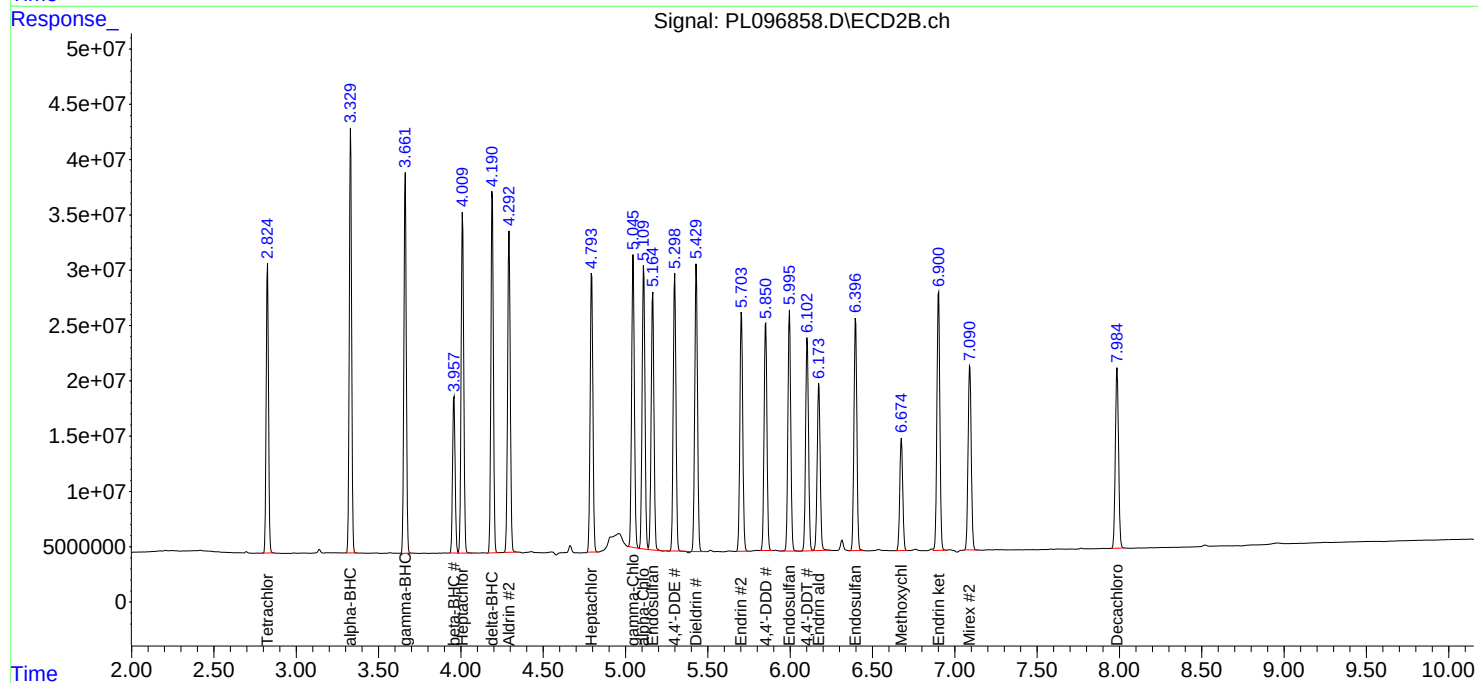
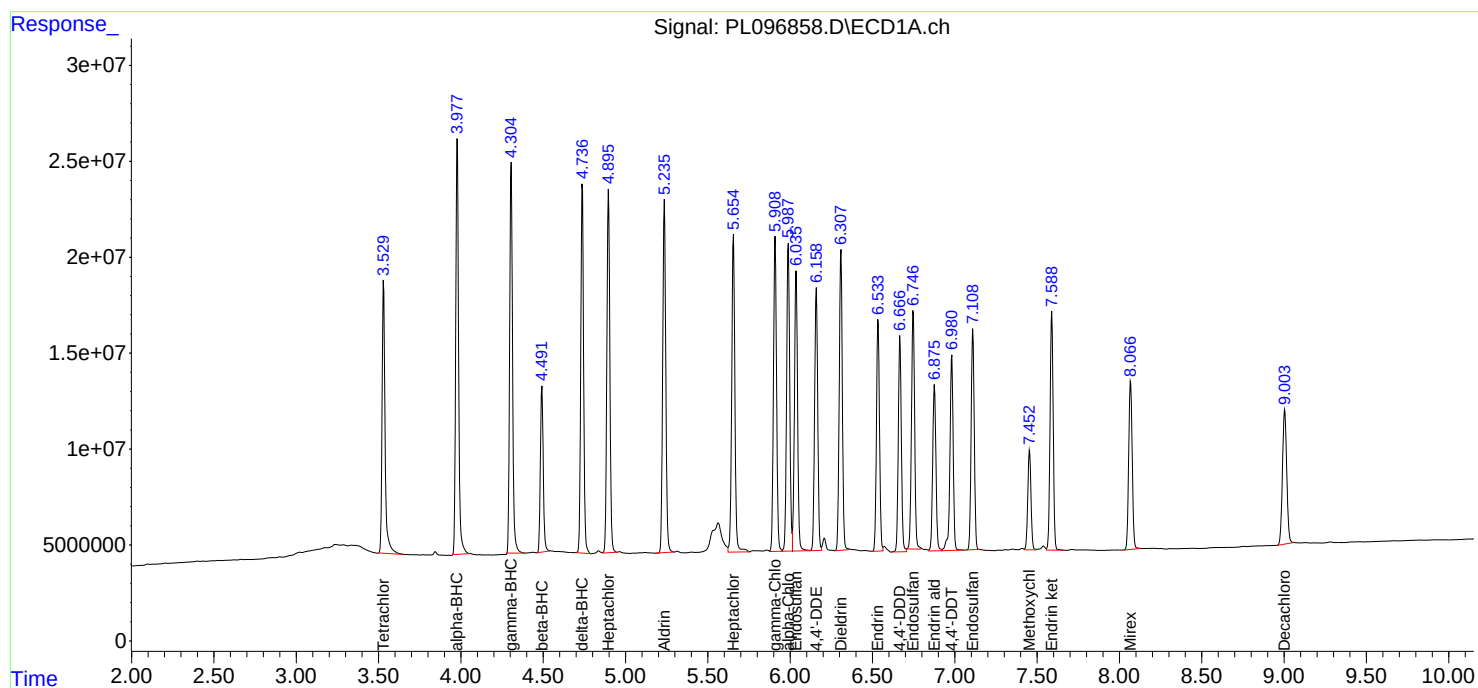
APPROVED

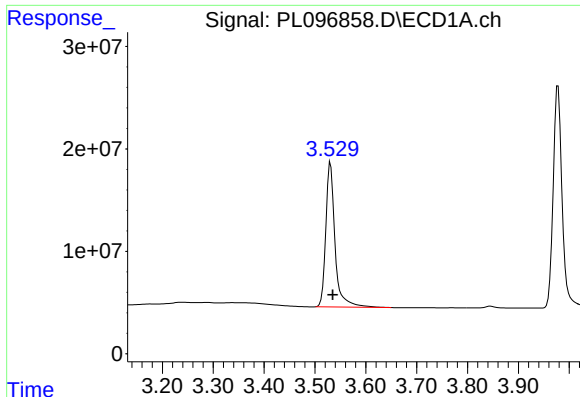
Reviewed By :Abdul Mirza 08/19/2025

Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 06:00:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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





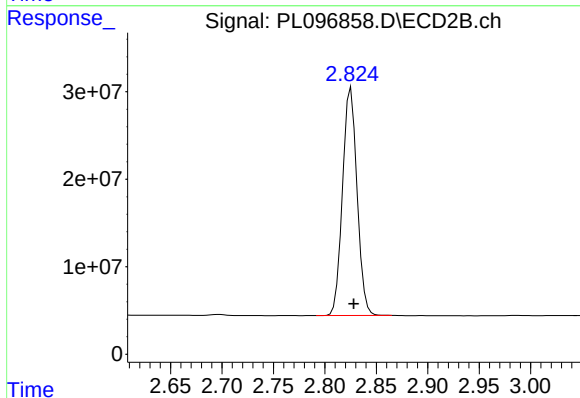
#1 Tetrachloro-m-xylene

R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 178292660
Conc: 56.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

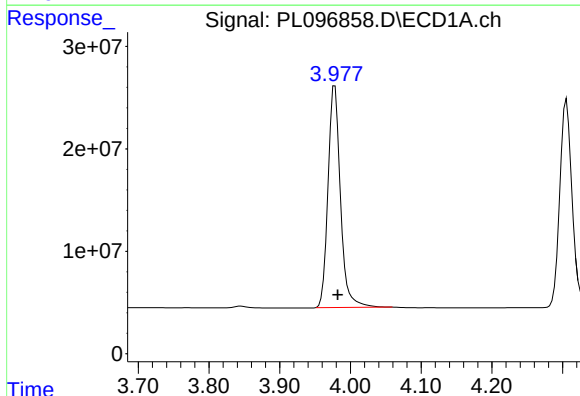
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



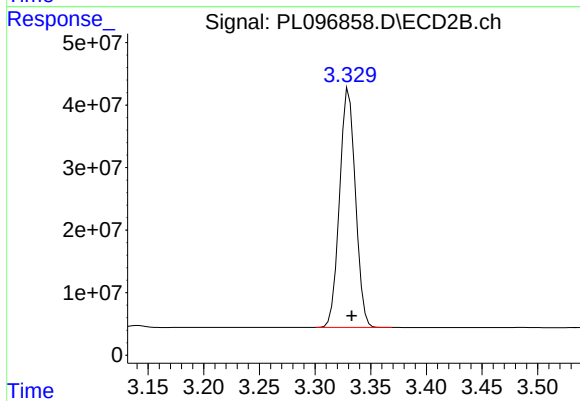
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 255673747
Conc: 53.51 ng/ml



#2 alpha-BHC

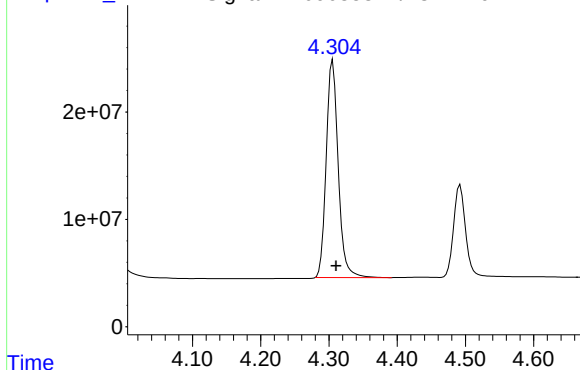
R.T.: 3.978 min
Delta R.T.: -0.004 min
Response: 264370535
Conc: 57.14 ng/ml



#2 alpha-BHC

R.T.: 3.330 min
Delta R.T.: -0.003 min
Response: 379109531
Conc: 53.57 ng/ml

Response_ Signal: PL096858.D\ECD1A.ch



#3 gamma-BHC (Lindane)

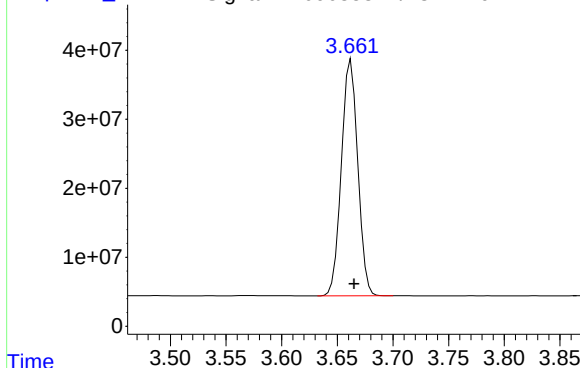
R.T.: 4.306 min
Delta R.T.: -0.005 min
Response: 247910221
Conc: 56.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

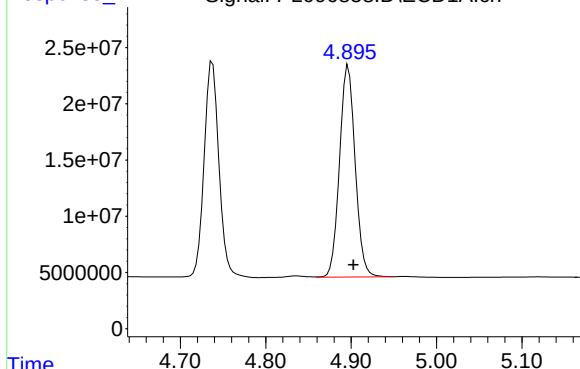
Time Response_ Signal: PL096858.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: -0.003 min
Response: 351354786
Conc: 53.21 ng/ml

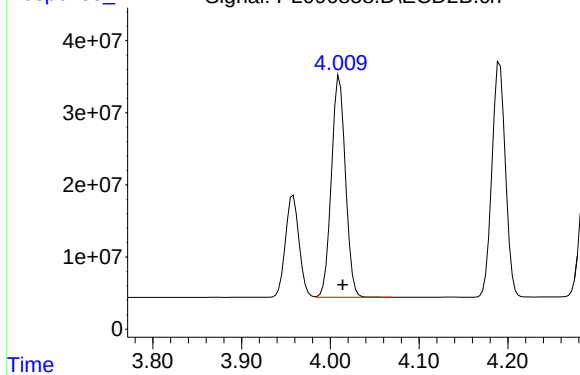
Time Response_ Signal: PL096858.D\ECD1A.ch



#4 Heptachlor

R.T.: 4.897 min
Delta R.T.: -0.006 min
Response: 239310105
Conc: 57.59 ng/ml

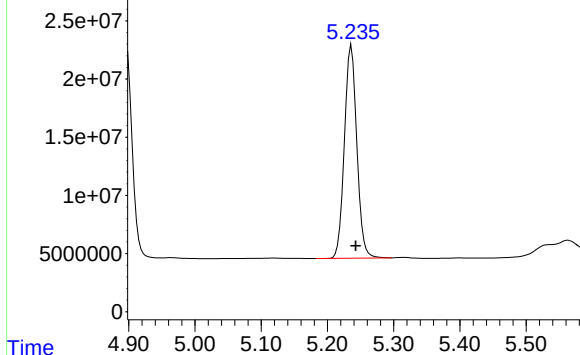
Time Response_ Signal: PL096858.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.010 min
Delta R.T.: -0.004 min
Response: 336938392
Conc: 50.58 ng/ml

Response_ Signal: PL096858.D\ECD1A.ch



#5 Aldrin

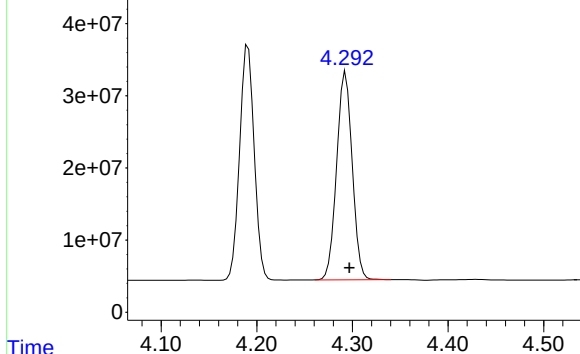
R.T.: 5.236 min
Delta R.T.: -0.007 min
Response: 238282661
Conc: 55.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

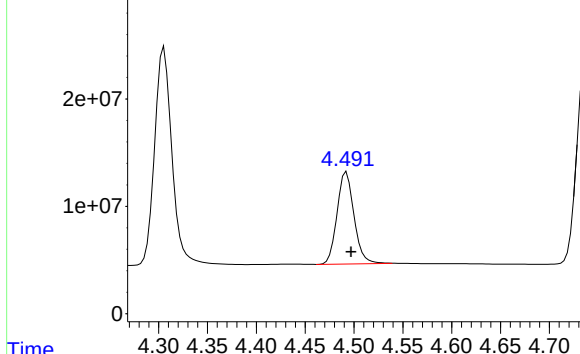
Response_ Signal: PL096858.D\ECD2B.ch



#5 Aldrin

R.T.: 4.293 min
Delta R.T.: -0.004 min
Response: 326237655
Conc: 52.56 ng/ml

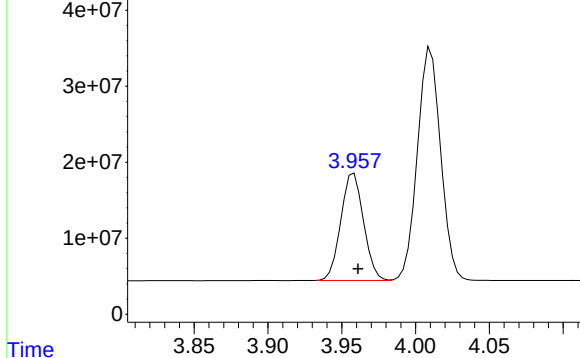
Response_ Signal: PL096858.D\ECD1A.ch



#6 beta-BHC

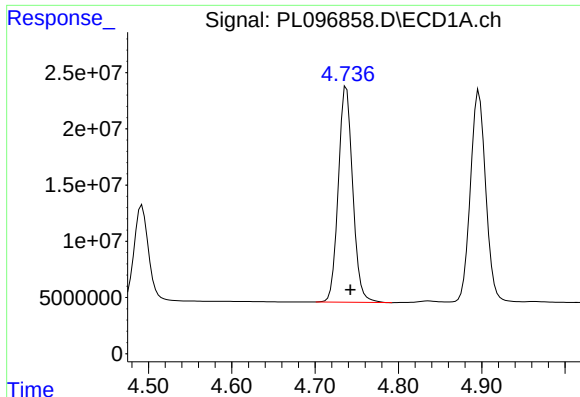
R.T.: 4.491 min
Delta R.T.: -0.006 min
Response: 103921472
Conc: 57.58 ng/ml m

Response_ Signal: PL096858.D\ECD2B.ch



#6 beta-BHC

R.T.: 3.958 min
Delta R.T.: -0.003 min
Response: 151147750
Conc: 53.58 ng/ml



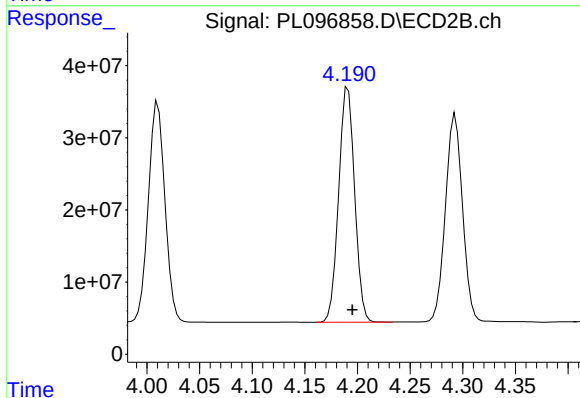
#7 delta-BHC

R.T.: 4.738 min
Delta R.T.: -0.005 min
Response: 230820906
Conc: 57.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

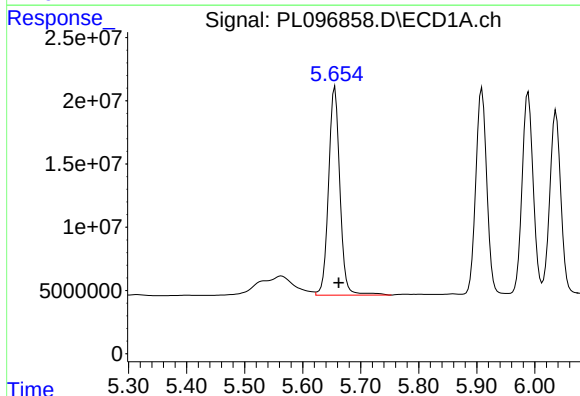
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



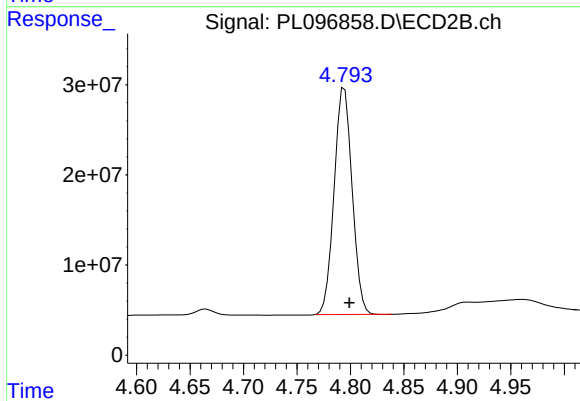
#7 delta-BHC

R.T.: 4.191 min
Delta R.T.: -0.004 min
Response: 344747683
Conc: 53.25 ng/ml



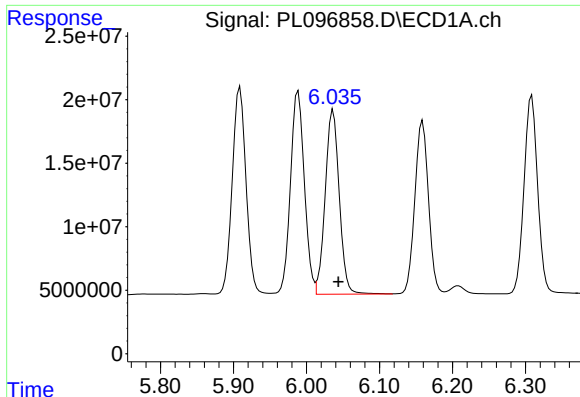
#8 Heptachlor epoxide

R.T.: 5.655 min
Delta R.T.: -0.007 min
Response: 223683999
Conc: 58.00 ng/ml



#8 Heptachlor epoxide

R.T.: 4.794 min
Delta R.T.: -0.005 min
Response: 294878831
Conc: 51.63 ng/ml



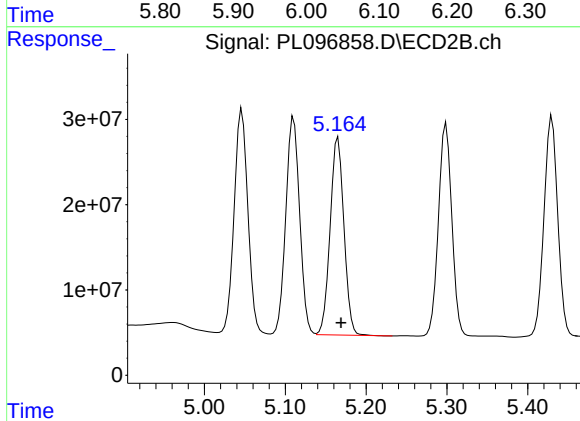
#9 Endosulfan I

R.T.: 6.037 min
Delta R.T.: -0.007 min
Response: 194520543
Conc: 54.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

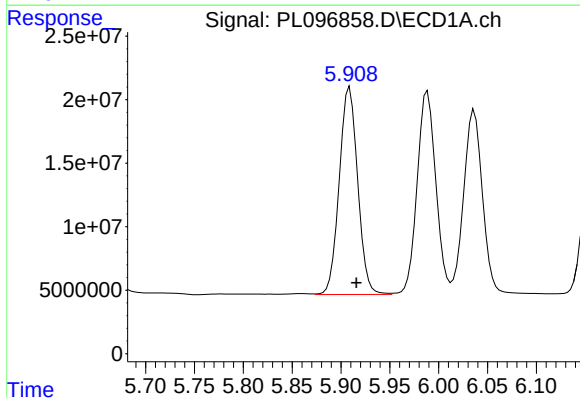
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



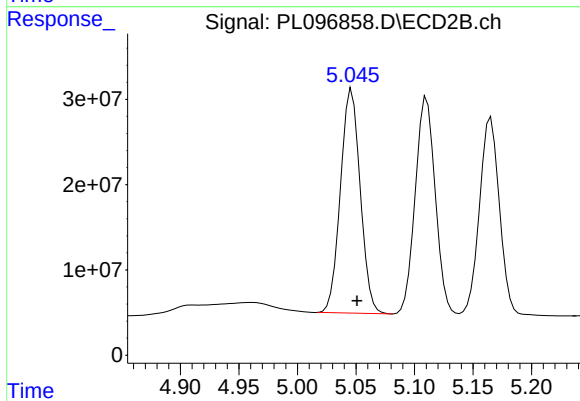
#9 Endosulfan I

R.T.: 5.165 min
Delta R.T.: -0.004 min
Response: 275227850
Conc: 49.76 ng/ml



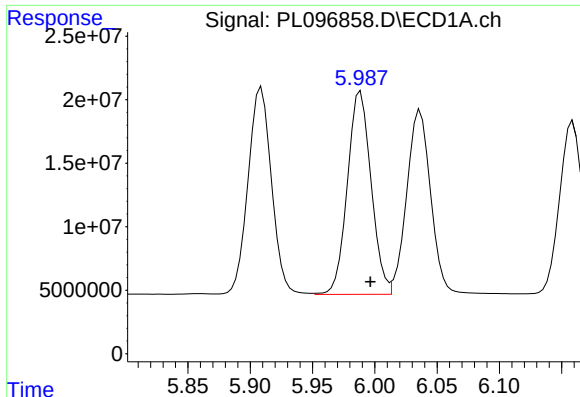
#10 gamma-Chlordane

R.T.: 5.909 min
Delta R.T.: -0.007 min
Response: 214629910
Conc: 56.40 ng/ml



#10 gamma-Chlordane

R.T.: 5.046 min
Delta R.T.: -0.005 min
Response: 309151010
Conc: 52.58 ng/ml



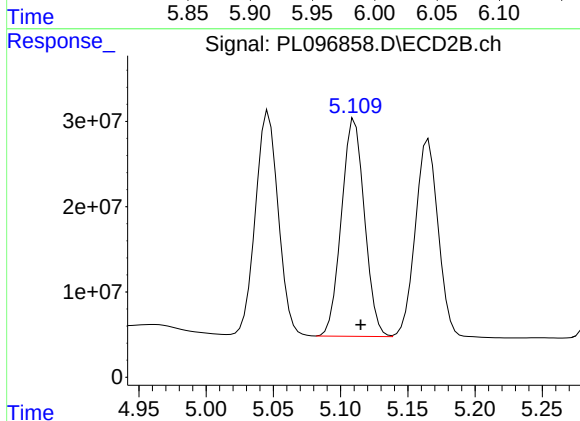
#11 alpha-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.008 min
Response: 212327187
Conc: 55.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

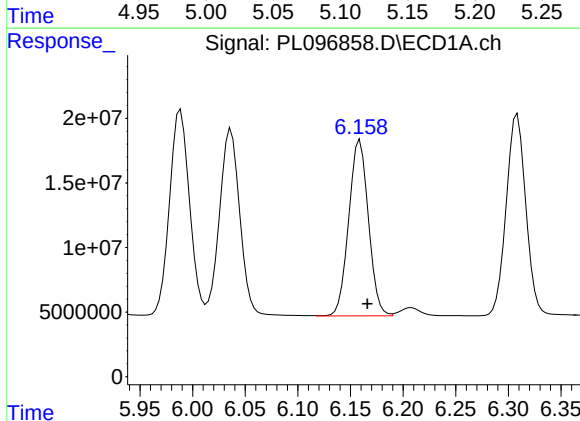
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



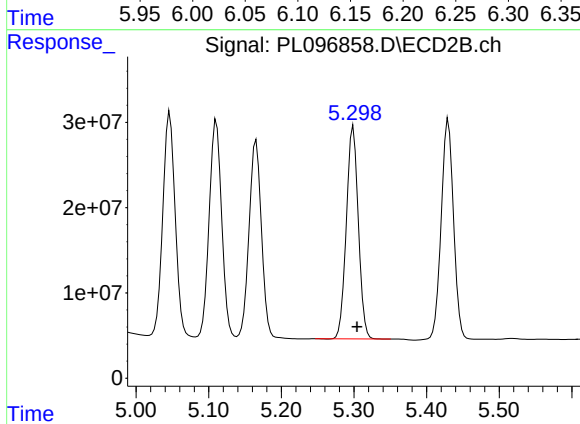
#11 alpha-Chlordane

R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 303382700
Conc: 51.43 ng/ml



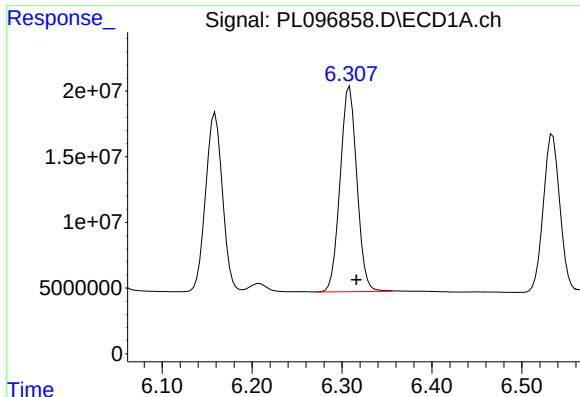
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 177559416
Conc: 55.29 ng/ml



#12 4,4'-DDE

R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 286745809
Conc: 52.00 ng/ml



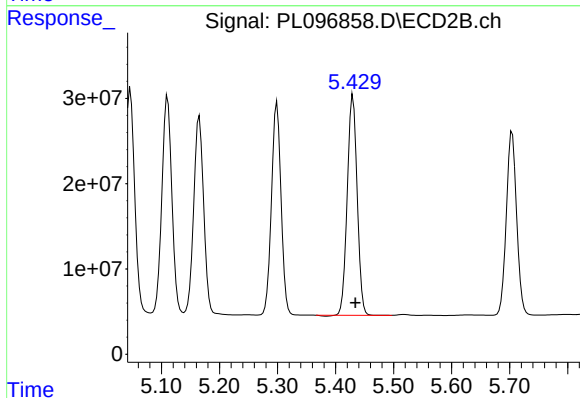
#13 Dieldrin

R.T.: 6.307 min
Delta R.T.: -0.009 min
Response: 202703077
Conc: 54.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

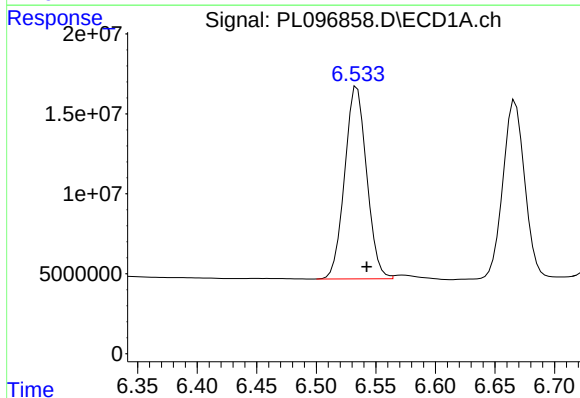
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



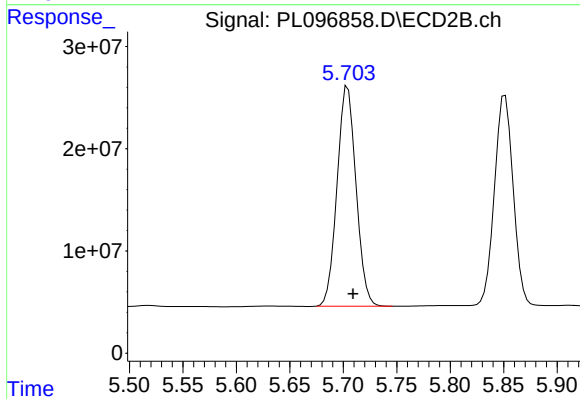
#13 Dieldrin

R.T.: 5.430 min
Delta R.T.: -0.004 min
Response: 304075067
Conc: 51.48 ng/ml



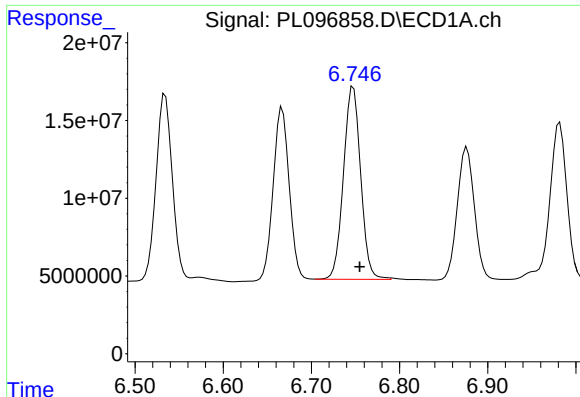
#14 Endrin

R.T.: 6.533 min
Delta R.T.: -0.010 min
Response: 154187177
Conc: 50.94 ng/ml m



#14 Endrin

R.T.: 5.704 min
Delta R.T.: -0.005 min
Response: 265648440
Conc: 49.14 ng/ml



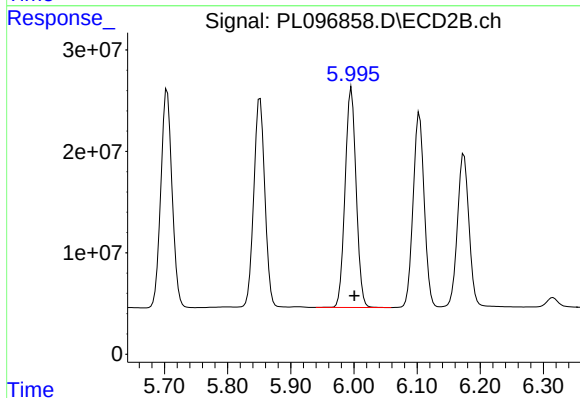
#15 Endosulfan II

R.T.: 6.746 min
Delta R.T.: -0.009 min
Response: 167853238
Conc: 52.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

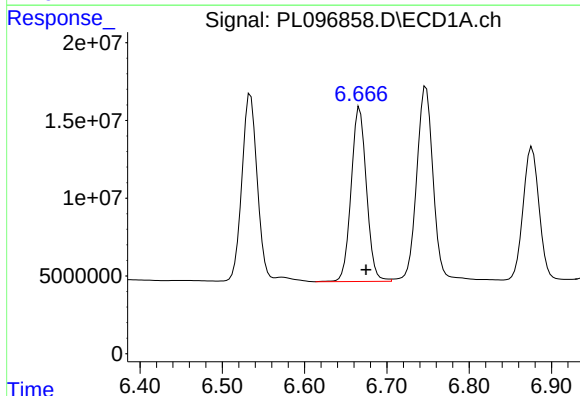
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



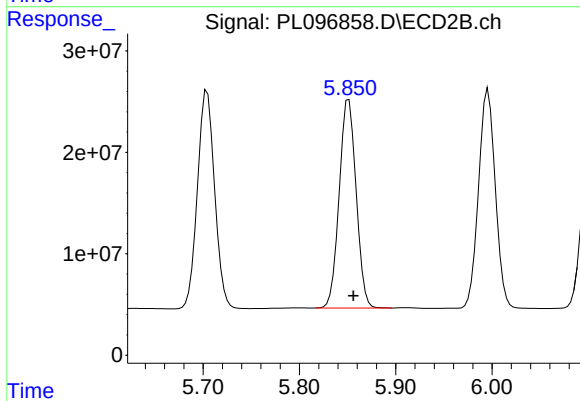
#15 Endosulfan II

R.T.: 5.996 min
Delta R.T.: -0.005 min
Response: 263053855
Conc: 51.22 ng/ml



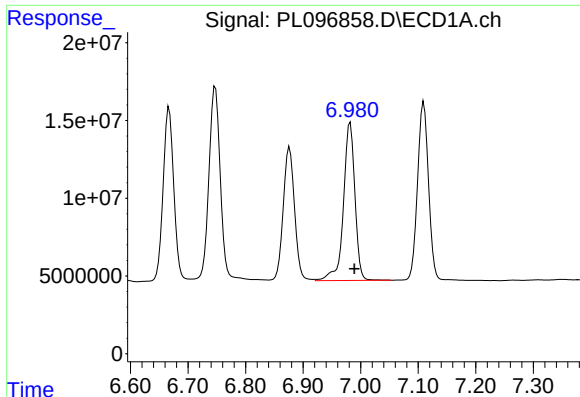
#16 4,4'-DDD

R.T.: 6.667 min
Delta R.T.: -0.008 min
Response: 144848017
Conc: 57.29 ng/ml



#16 4,4'-DDD

R.T.: 5.851 min
Delta R.T.: -0.005 min
Response: 250453109
Conc: 53.23 ng/ml



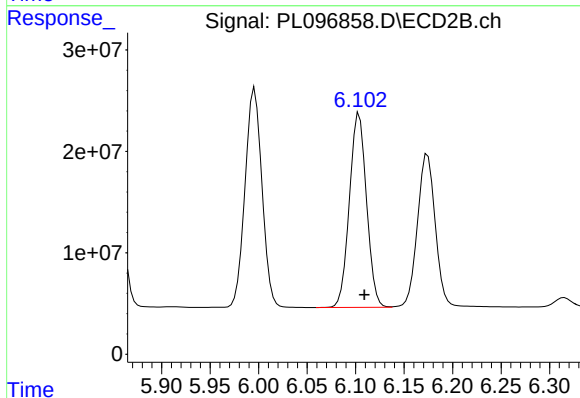
#17 4,4'-DDT

R.T.: 6.982 min
Delta R.T.: -0.007 min
Response: 140873930
Conc: 49.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

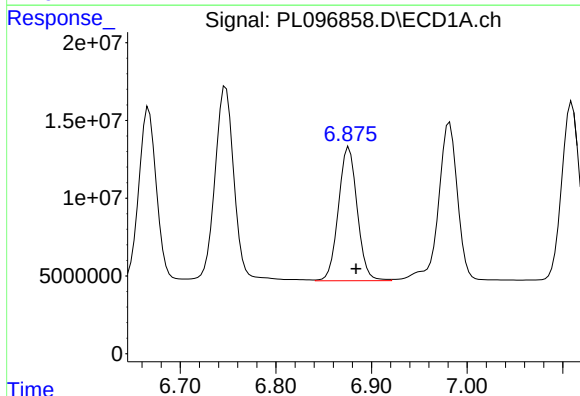
Manual Integrations
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Supervised By :mohammad ahmed 08/20/2025



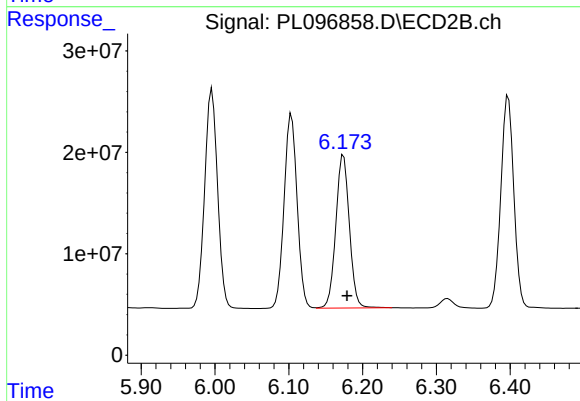
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 234856582
Conc: 46.43 ng/ml



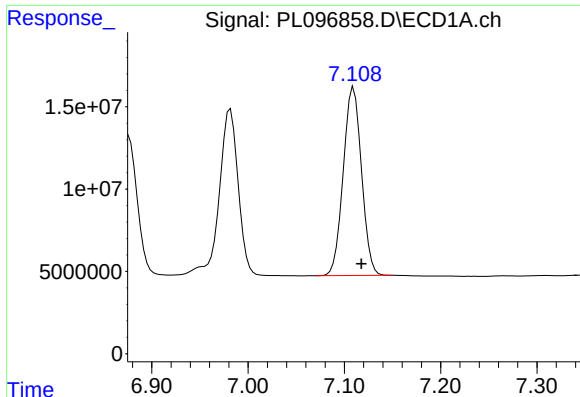
#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: -0.007 min
Response: 117821788
Conc: 54.91 ng/ml



#18 Endrin aldehyde

R.T.: 6.174 min
Delta R.T.: -0.005 min
Response: 192653257
Conc: 53.00 ng/ml



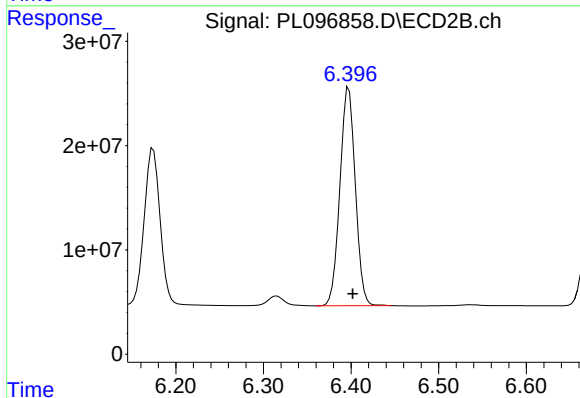
#19 Endosulfan Sulfate

R.T.: 7.108 min
Delta R.T.: -0.009 min
Response: 150218945
Conc: 52.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

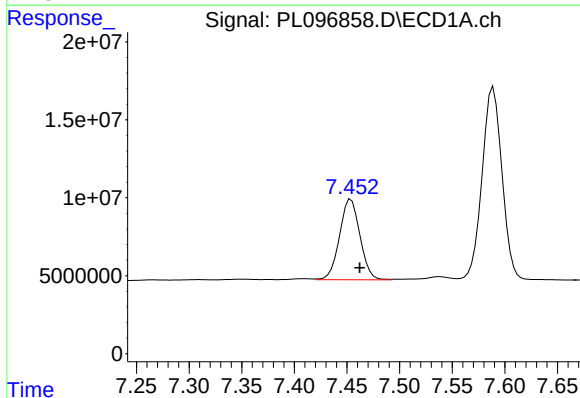
Manual Integrations
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Supervised By :mohammad ahmed 08/20/2025



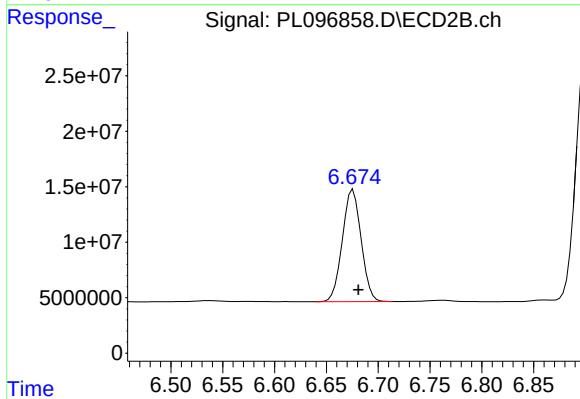
#19 Endosulfan Sulfate

R.T.: 6.397 min
Delta R.T.: -0.005 min
Response: 255940668
Conc: 50.32 ng/ml



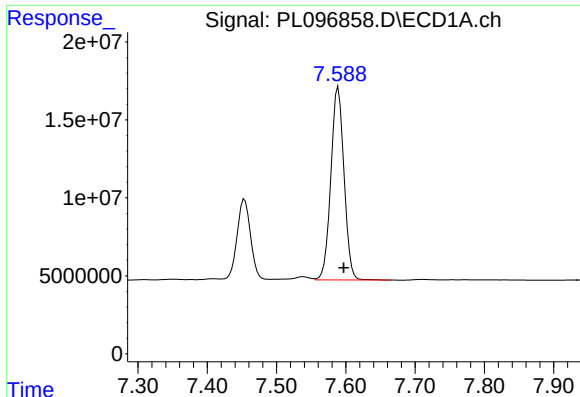
#20 Methoxychlor

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 69792447
Conc: 47.53 ng/ml



#20 Methoxychlor

R.T.: 6.674 min
Delta R.T.: -0.007 min
Response: 127423332
Conc: 46.50 ng/ml m



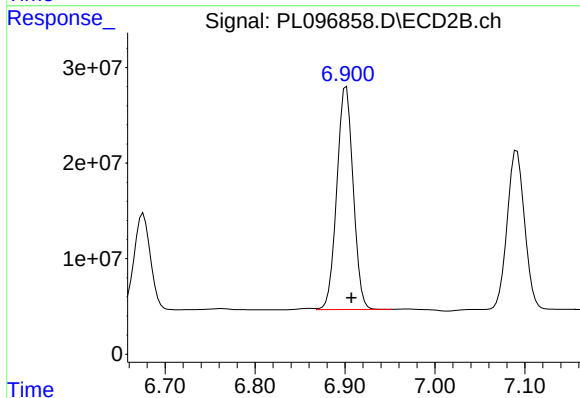
#21 Endrin ketone

R.T.: 7.589 min
Delta R.T.: -0.008 min
Response: 163387029
Conc: 54.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

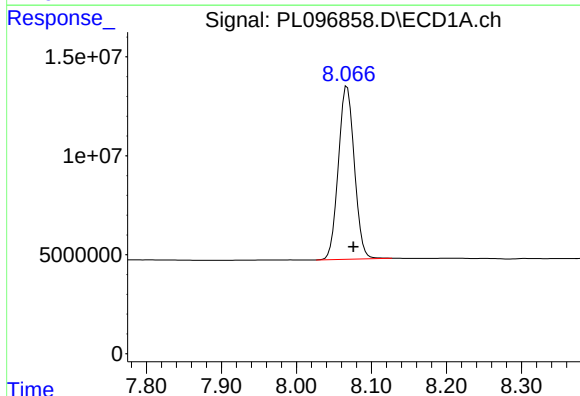
Manual Integrations
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Supervised By :mohammad ahmed 08/20/2025



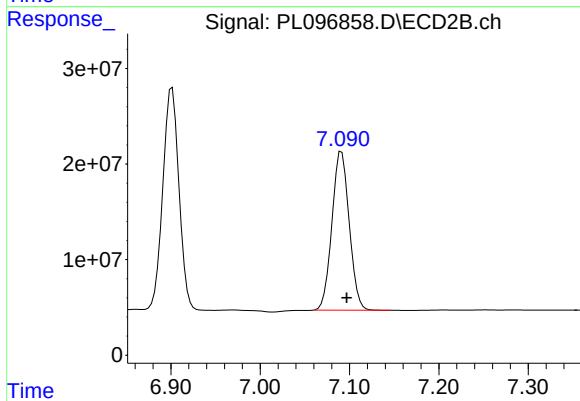
#21 Endrin ketone

R.T.: 6.901 min
Delta R.T.: -0.006 min
Response: 294551207
Conc: 52.88 ng/ml



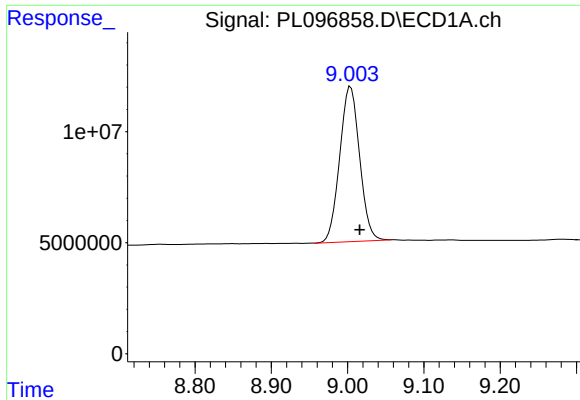
#22 Mirex

R.T.: 8.066 min
Delta R.T.: -0.010 min
Response: 129666396
Conc: 52.30 ng/ml m



#22 Mirex

R.T.: 7.091 min
Delta R.T.: -0.006 min
Response: 222941586
Conc: 51.12 ng/ml



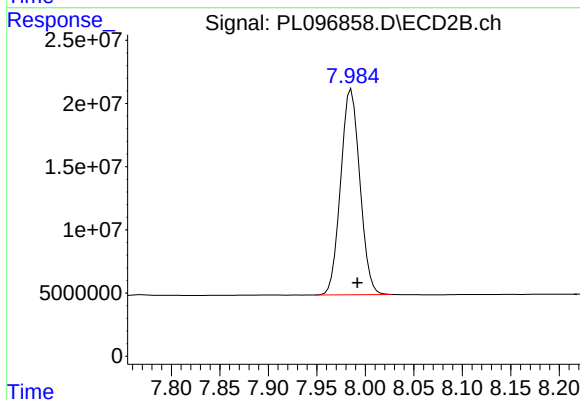
#28 Decachlorobiphenyl

R.T.: 9.003 min
Delta R.T.: -0.013 min
Response: 126690919
Conc: 53.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



#28 Decachlorobiphenyl

R.T.: 7.984 min
Delta R.T.: -0.008 min
Response: 223758596
Conc: 51.58 ng/ml m



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.: Q2879

Continuing Calib Date: 08/18/2025

Initial Calibration Date(s): 07/28/2025

07/28/2025

Continuing Calib Time: 19:41

Initial Calibration Time(s): 16:52

17:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.00	9.02	8.92	9.12	0.02
Tetrachloro-m-xylene	3.53	3.54	3.44	3.64	0.01
alpha-BHC	3.98	3.98	3.88	4.08	0.00
beta-BHC	4.49	4.50	4.40	4.60	0.01
delta-BHC	4.74	4.74	4.64	4.84	0.00
gamma-BHC (Lindane)	4.30	4.31	4.21	4.41	0.01
Heptachlor	4.90	4.90	4.80	5.00	0.00
Aldrin	5.24	5.24	5.14	5.34	0.00
Heptachlor epoxide	5.66	5.66	5.56	5.76	0.00
Endosulfan I	6.04	6.04	5.94	6.14	0.00
Dieldrin	6.31	6.32	6.22	6.42	0.01
4,4'-DDE	6.16	6.17	6.07	6.27	0.01
Endrin	6.53	6.54	6.44	6.64	0.01
Endosulfan II	6.75	6.76	6.66	6.86	0.01
4,4'-DDD	6.67	6.68	6.58	6.78	0.01
Endosulfan sulfate	7.11	7.12	7.02	7.22	0.01
4,4'-DDT	6.98	6.99	6.89	7.09	0.01
Methoxychlor	7.46	7.46	7.36	7.56	0.01
Endrin ketone	7.59	7.60	7.50	7.70	0.01
Endrin aldehyde	6.88	6.88	6.78	6.98	0.00
alpha-Chlordane	5.99	6.00	5.90	6.10	0.01
gamma-Chlordane	5.91	5.92	5.82	6.02	0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

Continuing Calib Date: 08/18/2025

Initial Calibration Date(s): 07/28/2025

07/28/2025

Continuing Calib Time: 19:41

Initial Calibration Time(s): 16:52

17:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.99	7.99	7.89	8.09	0.00
Tetrachloro-m-xylene	2.83	2.83	2.73	2.93	0.00
alpha-BHC	3.33	3.33	3.23	3.43	0.00
beta-BHC	3.96	3.96	3.86	4.06	0.00
delta-BHC	4.19	4.20	4.10	4.30	0.01
gamma-BHC (Lindane)	3.66	3.67	3.57	3.77	0.01
Heptachlor	4.01	4.01	3.91	4.11	0.00
Aldrin	4.29	4.30	4.20	4.40	0.01
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	5.43	5.33	5.53	0.00
4,4'-DDE	5.30	5.30	5.20	5.40	0.00
Endrin	5.71	5.71	5.61	5.81	0.01
Endosulfan II	6.00	6.00	5.90	6.10	0.00
4,4'-DDD	5.85	5.86	5.76	5.96	0.01
Endosulfan sulfate	6.40	6.40	6.30	6.50	0.00
4,4'-DDT	6.10	6.11	6.01	6.21	0.01
Methoxychlor	6.68	6.68	6.58	6.78	0.00
Endrin ketone	6.90	6.91	6.81	7.01	0.01
Endrin aldehyde	6.18	6.18	6.08	6.28	0.00
alpha-Chlordane	5.11	5.12	5.02	5.22	0.01
gamma-Chlordane	5.05	5.05	4.95	5.15	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2879
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL04 **Date Analyzed:** 08/18/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096868.D **Time Analyzed:** 19:41

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.668	6.575	6.775	59.010	50.000	18.0
4,4'-DDE	6.159	6.066	6.266	55.310	50.000	10.6
4,4'-DDT	6.982	6.889	7.089	47.970	50.000	-4.1
Aldrin	5.236	5.143	5.343	55.280	50.000	10.6
alpha-BHC	3.978	3.882	4.082	56.920	50.000	13.8
alpha-Chlordane	5.989	5.897	6.097	54.720	50.000	9.4
beta-BHC	4.490	4.397	4.597	57.940	50.000	15.9
Decachlorobiphenyl	9.003	8.916	9.116	54.470	50.000	8.9
delta-BHC	4.738	4.643	4.843	57.680	50.000	15.4
Dieldrin	6.307	6.216	6.416	54.070	50.000	8.1
Endosulfan I	6.037	5.944	6.144	53.600	50.000	7.2
Endosulfan II	6.748	6.655	6.855	55.910	50.000	11.8
Endosulfan sulfate	7.110	7.018	7.218	51.960	50.000	3.9
Endrin	6.533	6.442	6.642	49.050	50.000	-1.9
Endrin aldehyde	6.877	6.784	6.984	55.850	50.000	11.7
Endrin ketone	7.590	7.497	7.697	54.550	50.000	9.1
gamma-BHC (Lindane)	4.304	4.210	4.410	56.650	50.000	13.3
gamma-Chlordane	5.909	5.816	6.016	55.970	50.000	11.9
Heptachlor	4.897	4.803	5.003	56.700	50.000	13.4
Heptachlor epoxide	5.655	5.562	5.762	55.960	50.000	11.9
Methoxychlor	7.455	7.362	7.562	45.950	50.000	-8.1
Tetrachloro-m-xylene	3.531	3.435	3.635	56.150	50.000	12.3



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2879
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL04 **Date Analyzed:** 08/18/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096868.D **Time Analyzed:** 19:41

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.852	5.756	5.956	53.210	50.000	6.4
4,4'-DDE	5.300	5.204	5.404	51.570	50.000	3.1
4,4'-DDT	6.104	6.009	6.209	44.380	50.000	-11.2
Aldrin	4.293	4.197	4.397	52.400	50.000	4.8
alpha-BHC	3.330	3.233	3.433	53.650	50.000	7.3
alpha-Chlordane	5.111	5.015	5.215	51.010	50.000	2.0
beta-BHC	3.958	3.861	4.061	53.470	50.000	6.9
Decachlorobiphenyl	7.987	7.892	8.092	50.280	50.000	0.6
delta-BHC	4.191	4.095	4.295	52.910	50.000	5.8
Dieldrin	5.430	5.334	5.534	51.130	50.000	2.3
Endosulfan I	5.166	5.069	5.269	48.770	50.000	-2.5
Endosulfan II	5.997	5.901	6.101	50.470	50.000	0.9
Endosulfan sulfate	6.398	6.302	6.502	49.280	50.000	-1.4
Endrin	5.705	5.609	5.809	47.030	50.000	-5.9
Endrin aldehyde	6.175	6.079	6.279	52.320	50.000	4.6
Endrin ketone	6.902	6.807	7.007	53.660	50.000	7.3
gamma-BHC (Lindane)	3.662	3.565	3.765	53.170	50.000	6.3
gamma-Chlordane	5.047	4.951	5.151	52.290	50.000	4.6
Heptachlor	4.011	3.914	4.114	49.980	50.000	0.0
Heptachlor epoxide	4.795	4.699	4.899	51.400	50.000	2.8
Methoxychlor	6.675	6.581	6.781	44.400	50.000	-11.2
Tetrachloro-m-xylene	2.825	2.728	2.928	53.680	50.000	7.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
 Data File : PL096868.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 19:41
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/19/2025
 Supervised By : mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:02:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.825	178.6E6	256.5E6	56.149	53.681
28)	SA Decachlor...	9.003	7.987	129.9E6	218.2E6	54.466m	50.285
Target Compounds							
2)	A alpha-BHC	3.978	3.330	263.3E6	379.7E6	56.917	53.651
3)	MA gamma-BHC...	4.304	3.662	250.6E6	351.1E6	56.655m	53.165
4)	MA Heptachlor	4.897	4.011	235.6E6	333.0E6	56.697	49.981
5)	MB Aldrin	5.236	4.293	237.7E6	325.2E6	55.275	52.396
6)	B beta-BHC	4.490	3.958	104.6E6	150.8E6	57.938m	53.467
7)	B delta-BHC	4.738	4.191	230.1E6	342.5E6	57.676	52.907
8)	B Heptachlo...	5.655	4.795	215.8E6	293.6E6	55.965	51.401
9)	A Endosulfan I	6.037	5.166	192.8E6	269.7E6	53.600	48.766
10)	B gamma-Chl...	5.909	5.047	213.0E6	307.5E6	55.969	52.288
11)	B alpha-Chl...	5.989	5.111	210.9E6	300.9E6	54.717	51.014
12)	B 4,4'-DDE	6.159	5.300	177.6E6	284.4E6	55.305	51.569
13)	MA Dieldrin	6.307	5.430	200.7E6	302.0E6	54.075m	51.128
14)	MA Endrin	6.533	5.705	148.5E6	254.3E6	49.053m	47.033
15)	B Endosulfa...	6.748	5.997	179.1E6	259.2E6	55.915	50.466
16)	A 4,4'-DDD	6.668	5.852	149.2E6	250.4E6	59.013	53.212
17)	MA 4,4'-DDT	6.982	6.104	137.6E6	224.5E6	47.972	44.379
18)	B Endrin al...	6.877	6.175	119.9E6	190.2E6	55.853	52.318
19)	B Endosulfa...	7.110	6.398	149.3E6	250.6E6	51.958	49.279
20)	A Methoxychlor	7.455	6.675	67468590	121.7E6	45.948	44.399m
21)	B Endrin ke...	7.590	6.902	164.0E6	298.9E6	54.545	53.660
22)	Mirex	8.066	7.092	129.7E6	217.5E6	52.313m	49.880

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096868.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 19:41
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

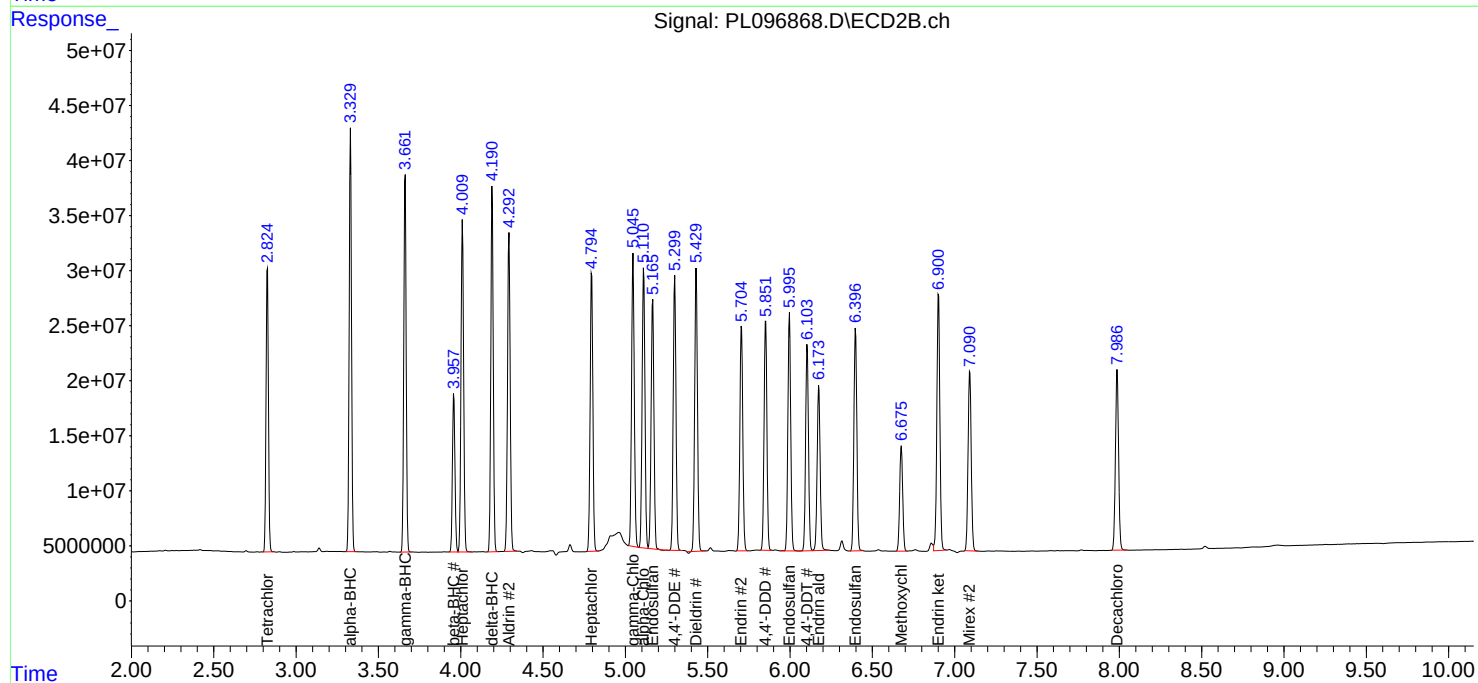
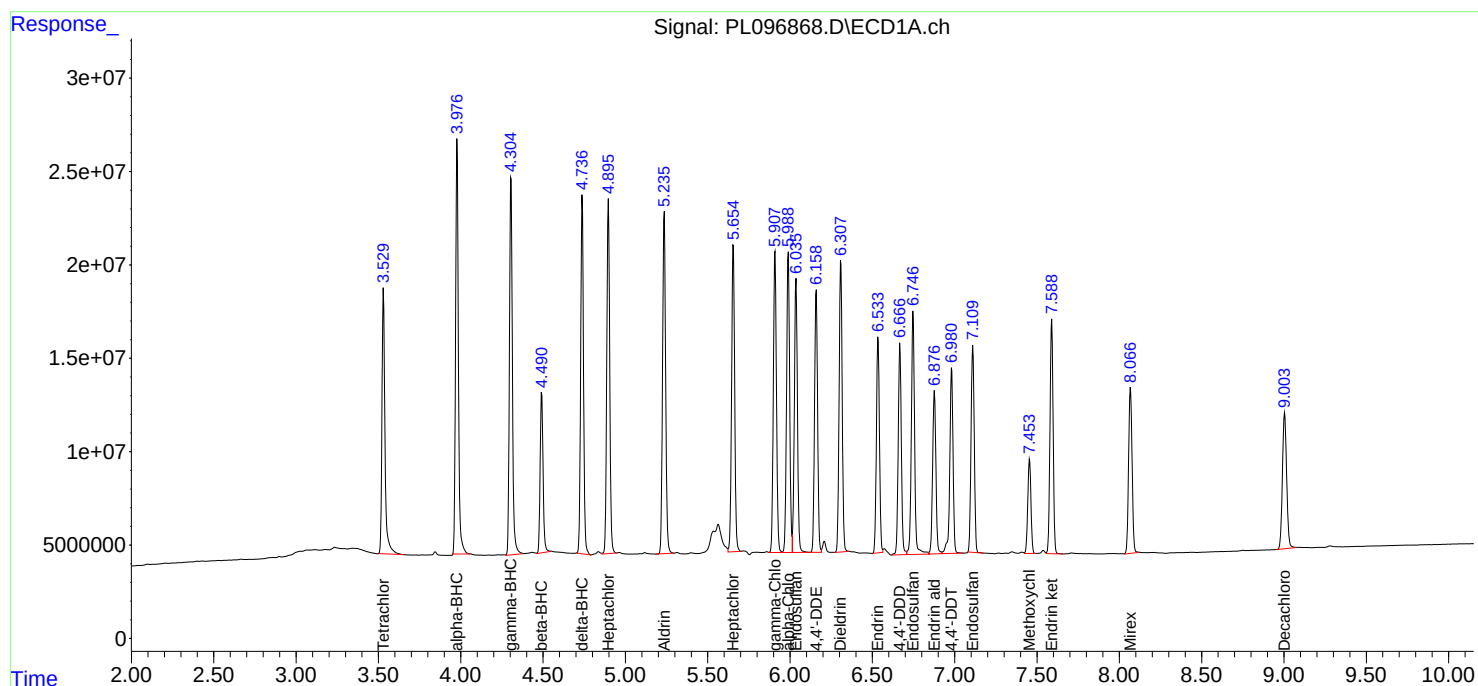
APPROVED

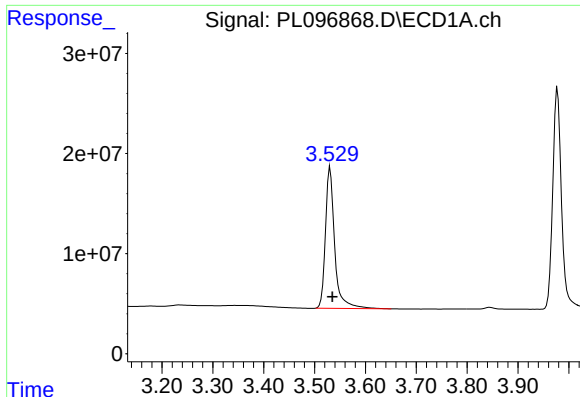
Reviewed By :Abdul Mirza 08/19/2025

Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 06:02:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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





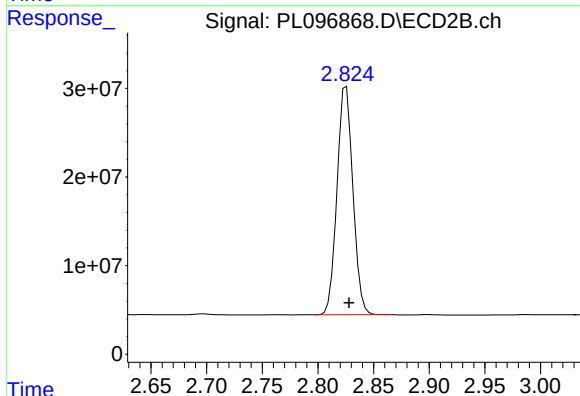
#1 Tetrachloro-m-xylene

R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 178599430
Conc: 56.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

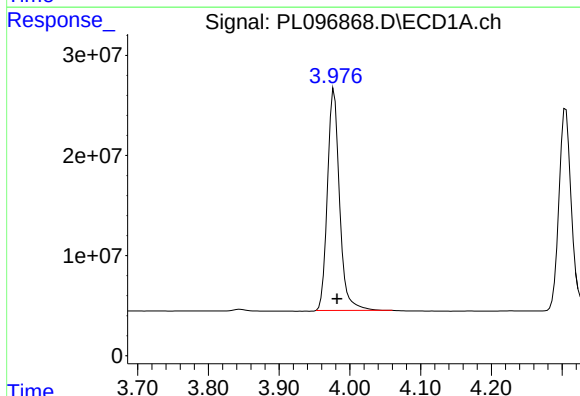
Manual Integrations
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Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



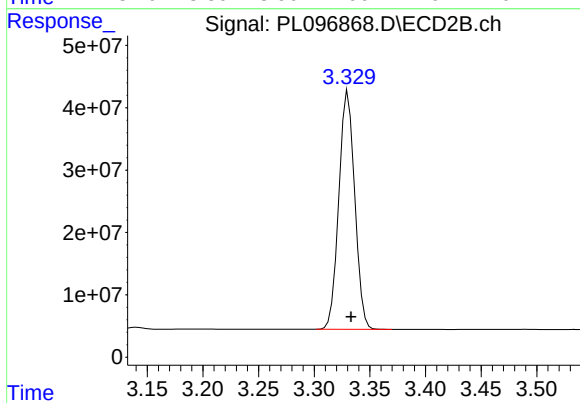
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 256474907
Conc: 53.68 ng/ml



#2 alpha-BHC

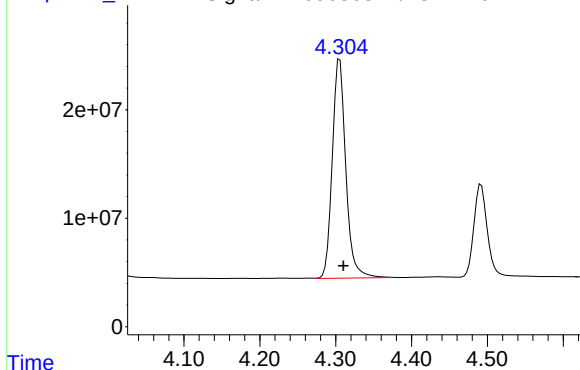
R.T.: 3.978 min
Delta R.T.: -0.004 min
Response: 263318878
Conc: 56.92 ng/ml



#2 alpha-BHC

R.T.: 3.330 min
Delta R.T.: -0.003 min
Response: 379687677
Conc: 53.65 ng/ml

Response_ Signal: PL096868.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.304 min
Delta R.T.: -0.006 min
Response: 250610231
Conc: 56.65 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

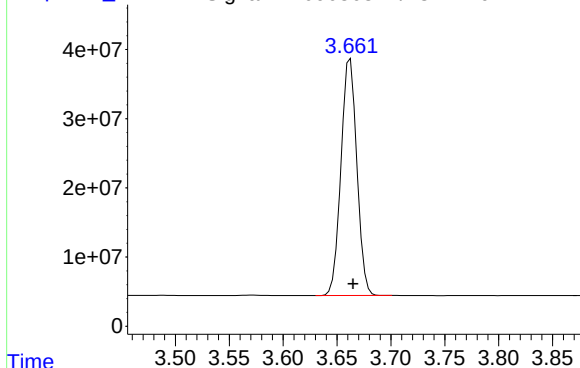
Manual Integrations

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Supervised By :mohammad ahmed 08/20/2025

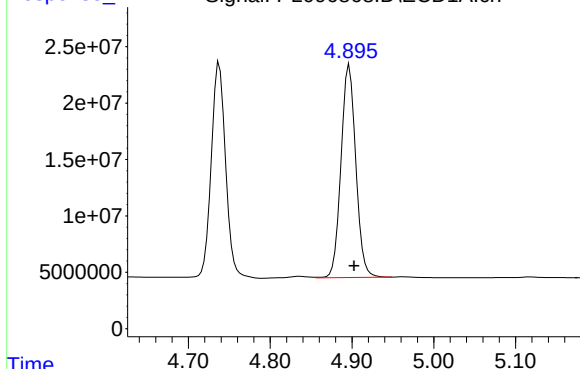
Time Response_ Signal: PL096868.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: -0.003 min
Response: 351070422
Conc: 53.17 ng/ml

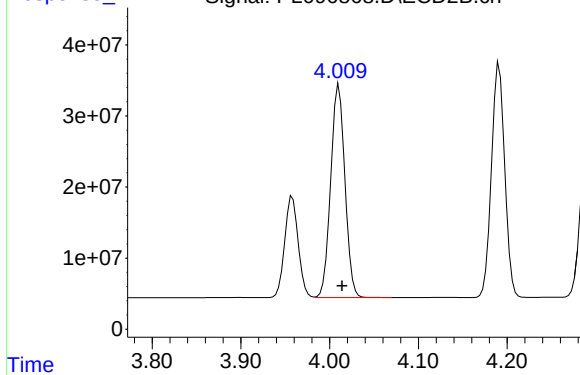
Time Response_ Signal: PL096868.D\ECD1A.ch



#4 Heptachlor

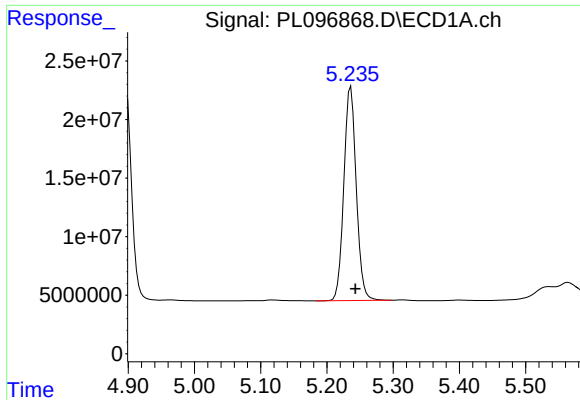
R.T.: 4.897 min
Delta R.T.: -0.006 min
Response: 235616089
Conc: 56.70 ng/ml

Time Response_ Signal: PL096868.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 332974057
Conc: 49.98 ng/ml



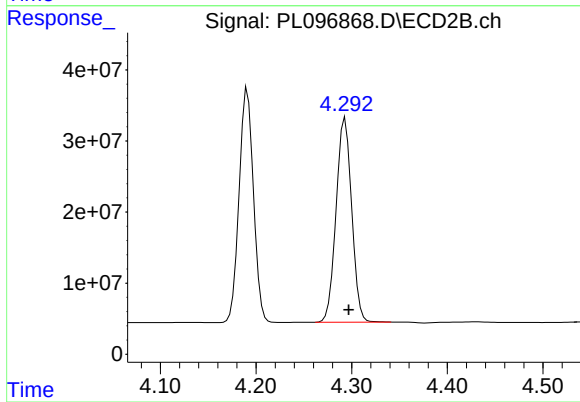
#5 Aldrin

R.T.: 5.236 min
Delta R.T.: -0.007 min
Response: 237739822
Conc: 55.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

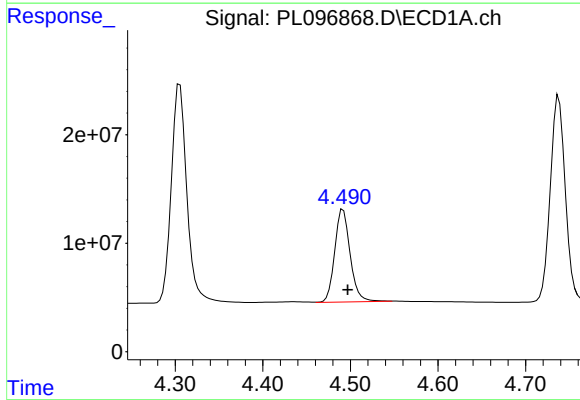
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



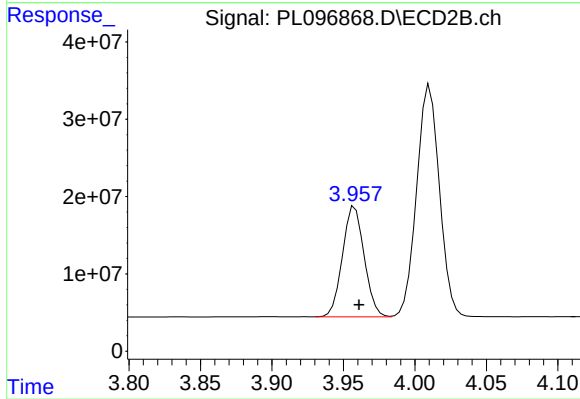
#5 Aldrin

R.T.: 4.293 min
Delta R.T.: -0.004 min
Response: 325227457
Conc: 52.40 ng/ml



#6 beta-BHC

R.T.: 4.490 min
Delta R.T.: -0.007 min
Response: 104576684
Conc: 57.94 ng/ml m

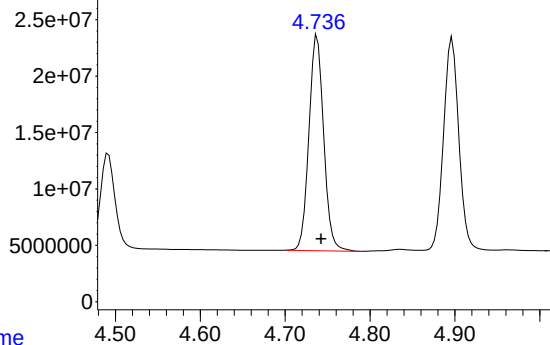


#6 beta-BHC

R.T.: 3.958 min
Delta R.T.: -0.003 min
Response: 150824188
Conc: 53.47 ng/ml

Response_ Signal: PL096868.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.738 min
Delta R.T.: -0.005 min
Response: 230120463
Conc: 57.68 ng/ml

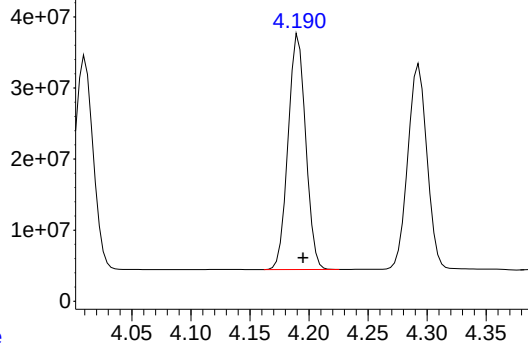
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

Time Response_ Signal: PL096868.D\ECD2B.ch

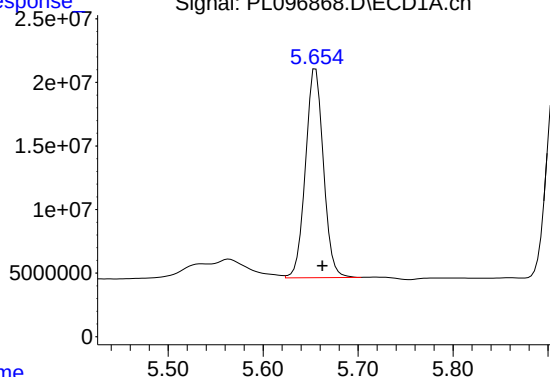
#7 delta-BHC



R.T.: 4.191 min
Delta R.T.: -0.004 min
Response: 342497900
Conc: 52.91 ng/ml

Time Response_ Signal: PL096868.D\ECD1A.ch

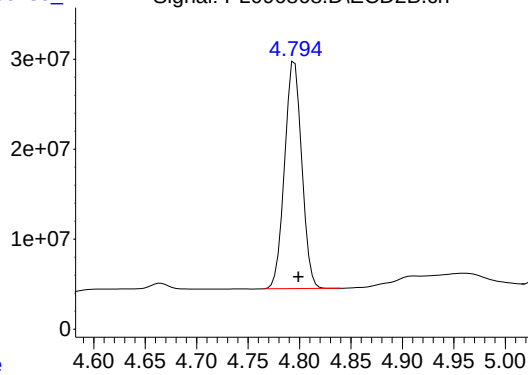
#8 Heptachlor epoxide



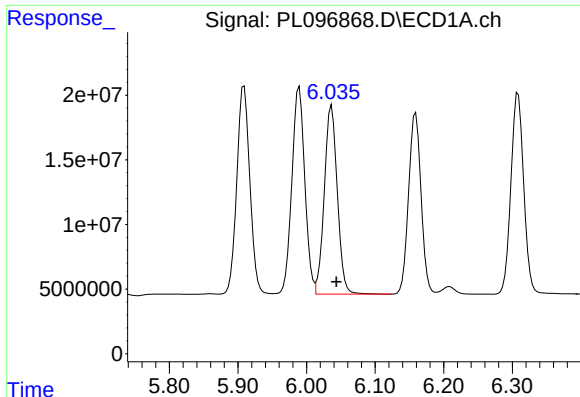
R.T.: 5.655 min
Delta R.T.: -0.007 min
Response: 215830130
Conc: 55.96 ng/ml

Time Response_ Signal: PL096868.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.795 min
Delta R.T.: -0.004 min
Response: 293569430
Conc: 51.40 ng/ml



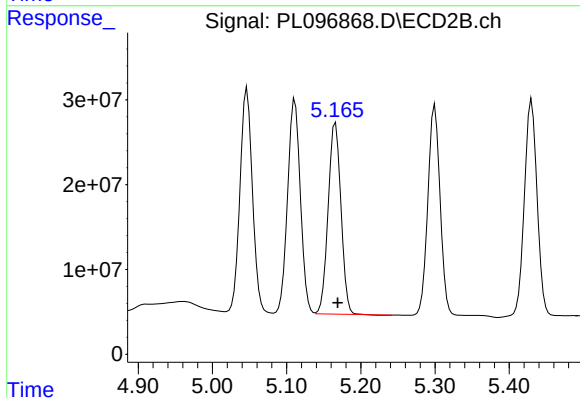
#9 Endosulfan I

R.T.: 6.037 min
Delta R.T.: -0.007 min
Response: 192764217
Conc: 53.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

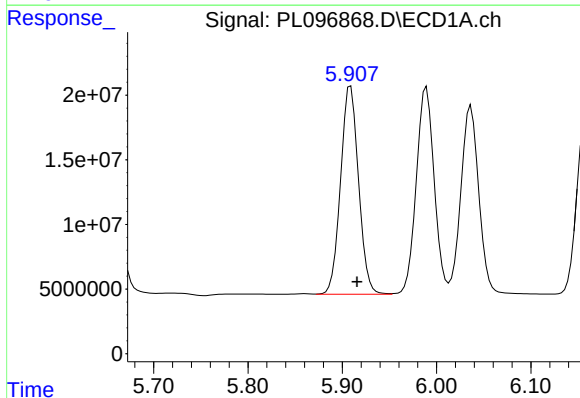
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



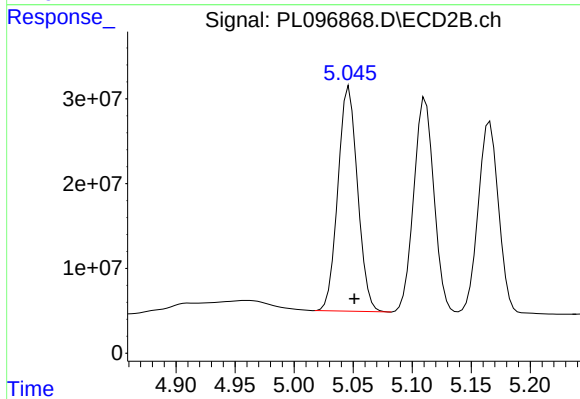
#9 Endosulfan I

R.T.: 5.166 min
Delta R.T.: -0.003 min
Response: 269747092
Conc: 48.77 ng/ml



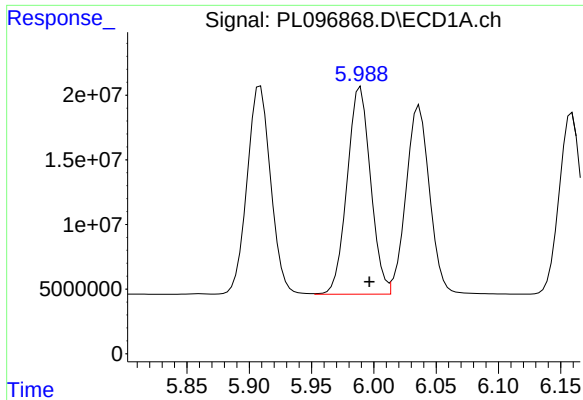
#10 gamma-Chlordane

R.T.: 5.909 min
Delta R.T.: -0.007 min
Response: 212973425
Conc: 55.97 ng/ml



#10 gamma-Chlordane

R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 307458344
Conc: 52.29 ng/ml



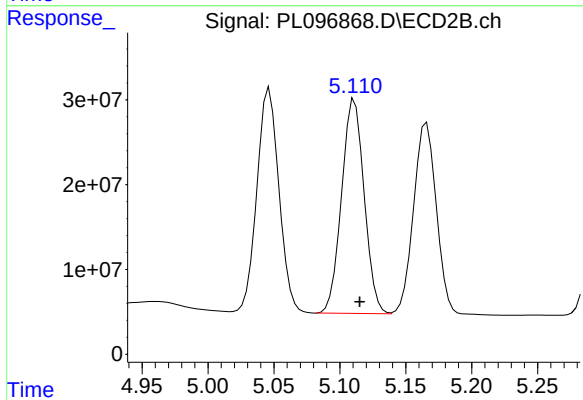
#11 alpha-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.007 min
Response: 210913439
Conc: 54.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

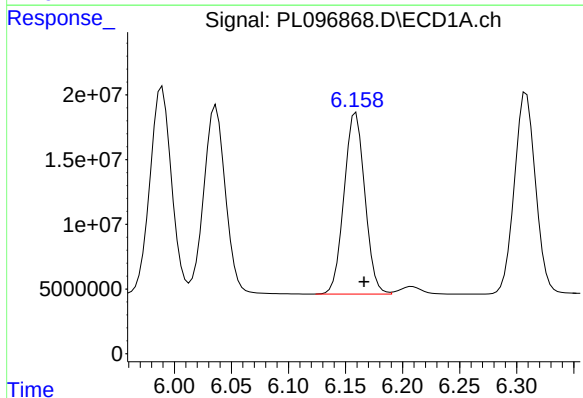
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



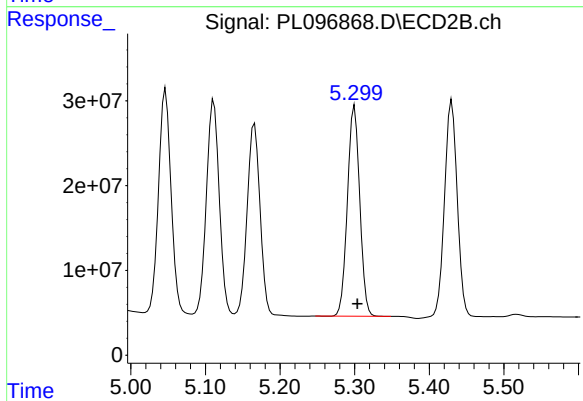
#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 300928672
Conc: 51.01 ng/ml



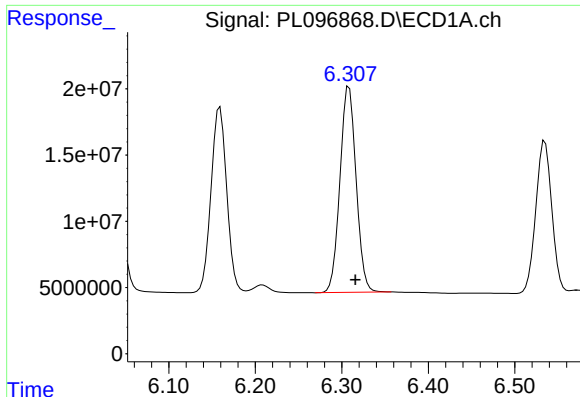
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 177598150
Conc: 55.31 ng/ml



#12 4,4'-DDE

R.T.: 5.300 min
Delta R.T.: -0.004 min
Response: 284373198
Conc: 51.57 ng/ml



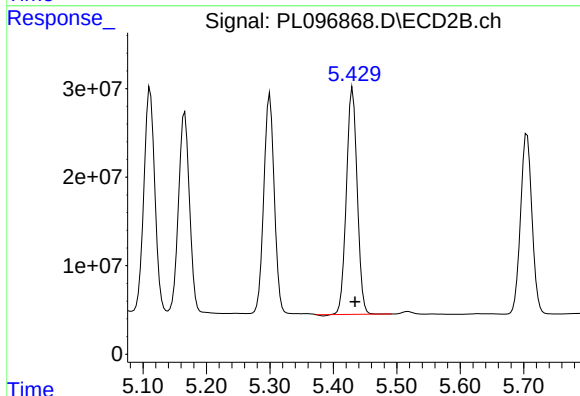
#13 Dieldrin

R.T.: 6.307 min
Delta R.T.: -0.009 min
Response: 200679852
Conc: 54.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

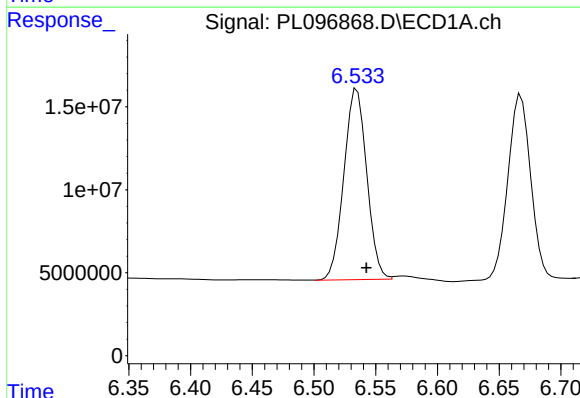
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



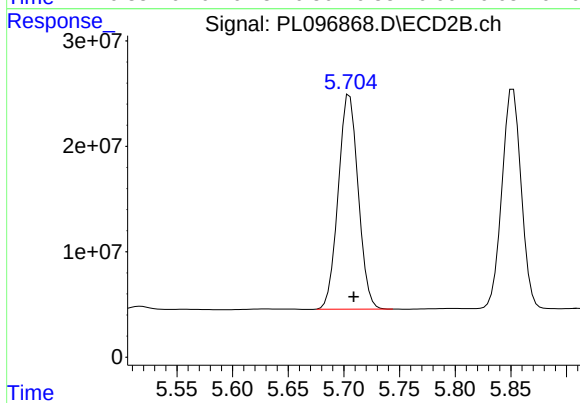
#13 Dieldrin

R.T.: 5.430 min
Delta R.T.: -0.004 min
Response: 301991204
Conc: 51.13 ng/ml



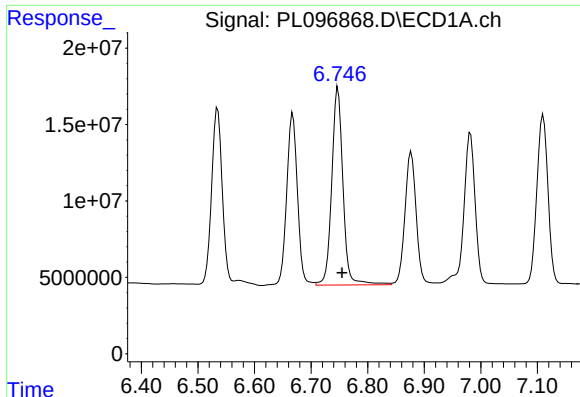
#14 Endrin

R.T.: 6.533 min
Delta R.T.: -0.009 min
Response: 148473788
Conc: 49.05 ng/ml m



#14 Endrin

R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 254259977
Conc: 47.03 ng/ml



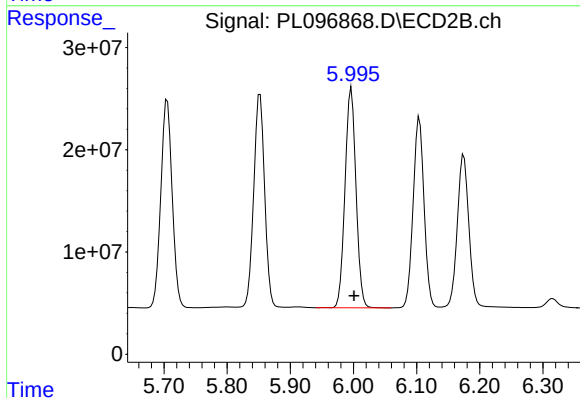
#15 Endosulfan II

R.T.: 6.748 min
Delta R.T.: -0.007 min
Response: 179074671
Conc: 55.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

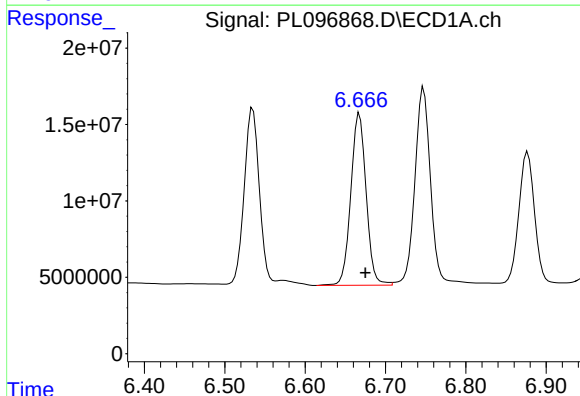
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



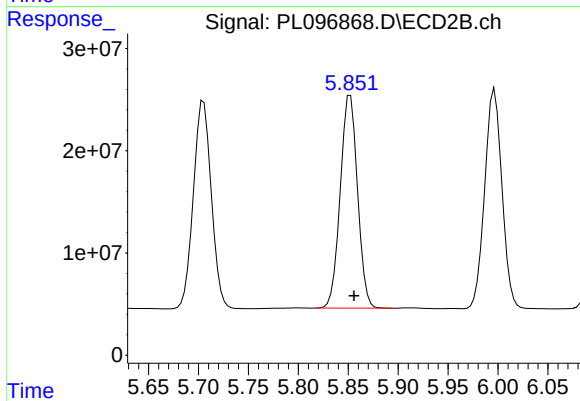
#15 Endosulfan II

R.T.: 5.997 min
Delta R.T.: -0.004 min
Response: 259204361
Conc: 50.47 ng/ml



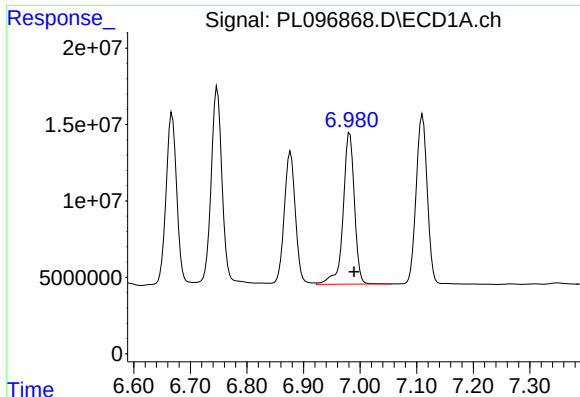
#16 4,4'-DDD

R.T.: 6.668 min
Delta R.T.: -0.007 min
Response: 149206471
Conc: 59.01 ng/ml



#16 4,4'-DDD

R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 250379970
Conc: 53.21 ng/ml



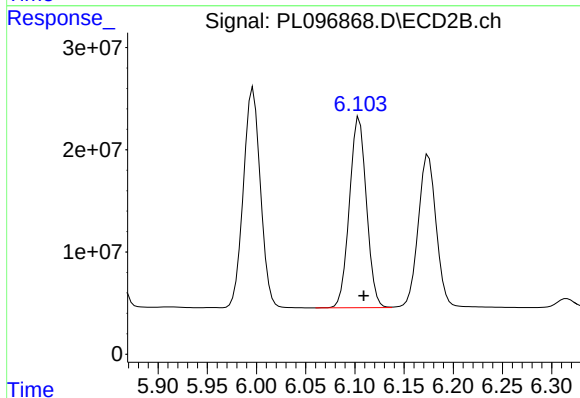
#17 4,4'-DDT

R.T.: 6.982 min
Delta R.T.: -0.007 min
Response: 137568779
Conc: 47.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

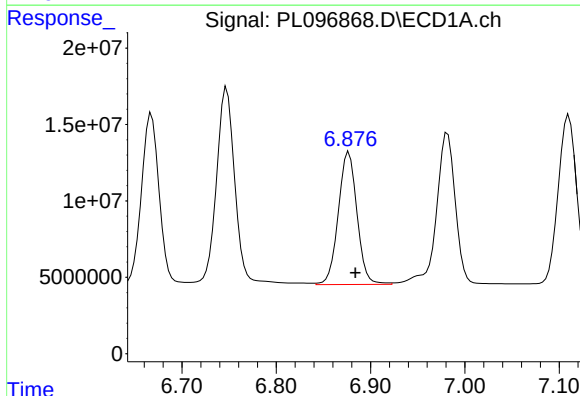
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



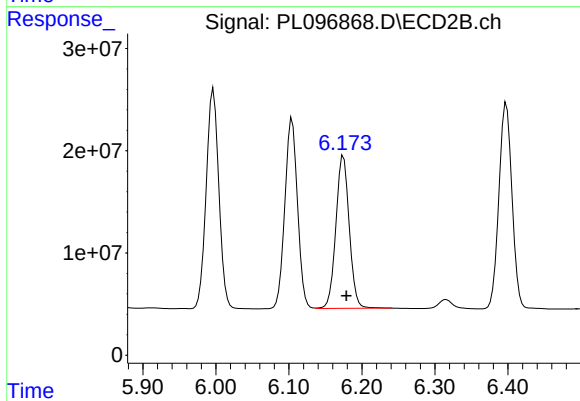
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 224483158
Conc: 44.38 ng/ml



#18 Endrin aldehyde

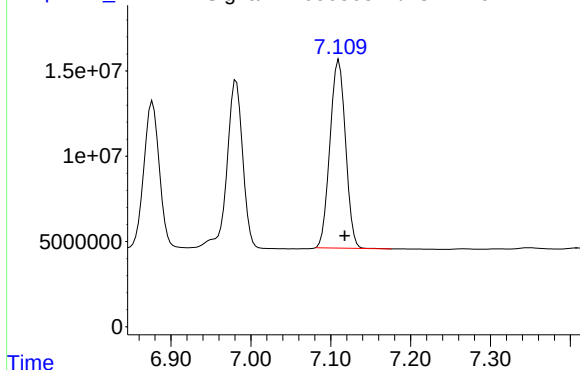
R.T.: 6.877 min
Delta R.T.: -0.007 min
Response: 119854894
Conc: 55.85 ng/ml



#18 Endrin aldehyde

R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 190179426
Conc: 52.32 ng/ml

Response_ Signal: PL096868.D\ECD1A.ch



#19 Endosulfan Sulfate

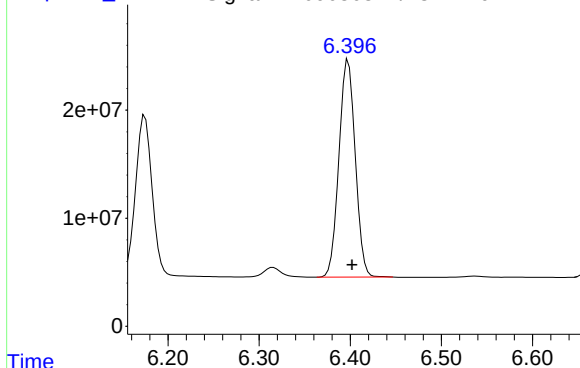
R.T.: 7.110 min
Delta R.T.: -0.007 min
Response: 149311155
Conc: 51.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

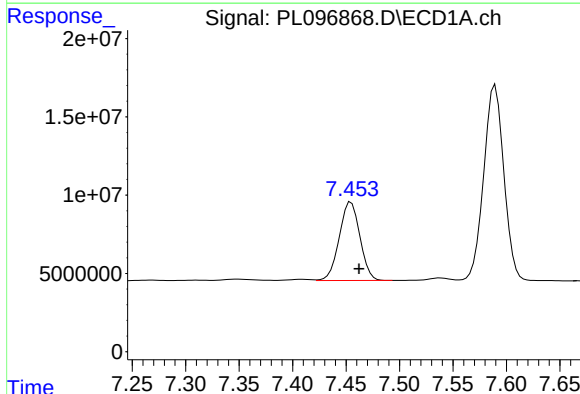
Response_ Signal: PL096868.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 250640997
Conc: 49.28 ng/ml

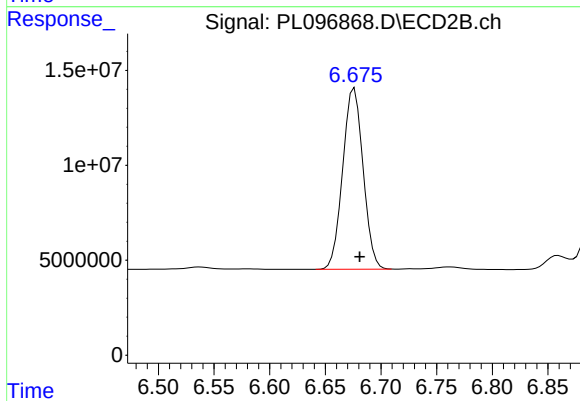
Response_ Signal: PL096868.D\ECD1A.ch



#20 Methoxychlor

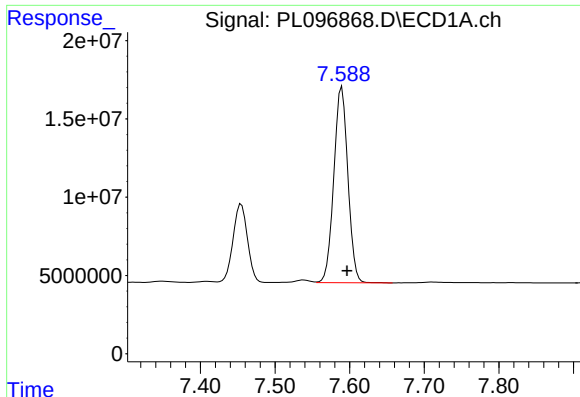
R.T.: 7.455 min
Delta R.T.: -0.008 min
Response: 67468590
Conc: 45.95 ng/ml

Response_ Signal: PL096868.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.675 min
Delta R.T.: -0.006 min
Response: 121675245
Conc: 44.40 ng/ml m



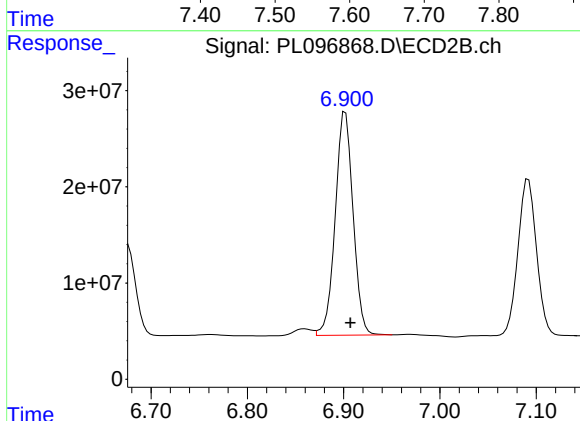
#21 Endrin ketone

R.T.: 7.590 min
Delta R.T.: -0.007 min
Response: 164002355
Conc: 54.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

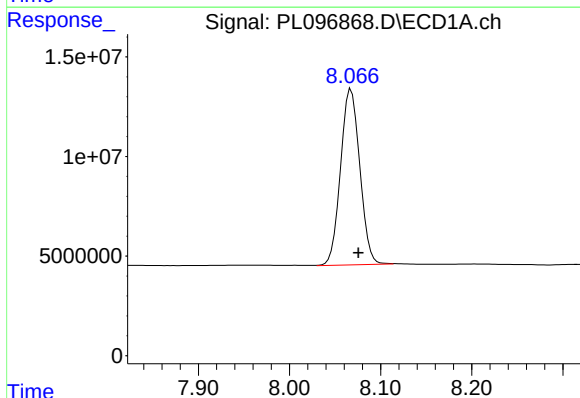
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



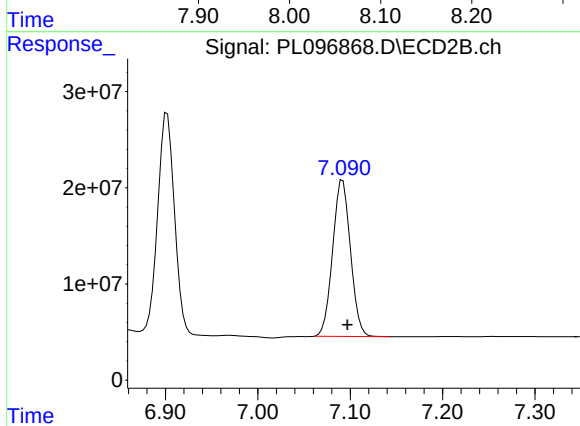
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 298874202
Conc: 53.66 ng/ml



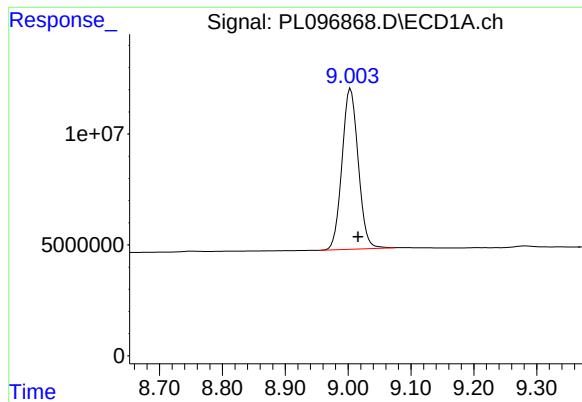
#22 Mirex

R.T.: 8.066 min
Delta R.T.: -0.010 min
Response: 129702715
Conc: 52.31 ng/ml m



#22 Mirex

R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 217520900
Conc: 49.88 ng/ml



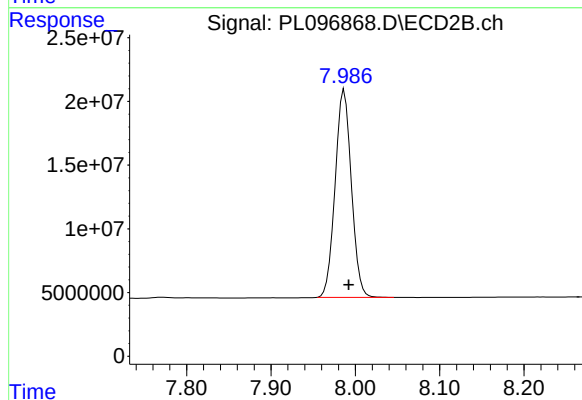
#28 Decachlorobiphenyl

R.T.: 9.003 min
Delta R.T.: -0.013 min
Response: 129883328
Conc: 54.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 218150361
Conc: 50.28 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

Continuing Calib Date: 08/19/2025

Initial Calibration Date(s): 07/28/2025

07/28/2025

Continuing Calib Time: 11:07

Initial Calibration Time(s): 16:52

17:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.01	9.02	8.92	9.12	0.01
Tetrachloro-m-xylene	3.53	3.54	3.44	3.64	0.01
alpha-BHC	3.98	3.98	3.88	4.08	0.00
beta-BHC	4.49	4.50	4.40	4.60	0.01
delta-BHC	4.74	4.74	4.64	4.84	0.00
gamma-BHC (Lindane)	4.30	4.31	4.21	4.41	0.01
Heptachlor	4.90	4.90	4.80	5.00	0.00
Aldrin	5.24	5.24	5.14	5.34	0.00
Heptachlor epoxide	5.66	5.66	5.56	5.76	0.00
Endosulfan I	6.04	6.04	5.94	6.14	0.00
Dieldrin	6.31	6.32	6.22	6.42	0.01
4,4'-DDE	6.16	6.17	6.07	6.27	0.01
Endrin	6.53	6.54	6.44	6.64	0.01
Endosulfan II	6.75	6.76	6.66	6.86	0.01
4,4'-DDD	6.67	6.68	6.58	6.78	0.01
Endosulfan sulfate	7.11	7.12	7.02	7.22	0.01
4,4'-DDT	6.98	6.99	6.89	7.09	0.01
Methoxychlor	7.46	7.46	7.36	7.56	0.01
Endrin ketone	7.59	7.60	7.50	7.70	0.01
Endrin aldehyde	6.88	6.88	6.78	6.98	0.00
alpha-Chlordane	5.99	6.00	5.90	6.10	0.01
gamma-Chlordane	5.91	5.92	5.82	6.02	0.01



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.: Q2879

Continuing Calib Date: 08/19/2025

Initial Calibration Date(s): 07/28/2025

07/28/2025

Continuing Calib Time: 11:07

Initial Calibration Time(s): 16:52

17:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.99	7.99	7.89	8.09	0.00
Tetrachloro-m-xylene	2.82	2.83	2.73	2.93	0.01
alpha-BHC	3.33	3.33	3.23	3.43	0.00
beta-BHC	3.96	3.96	3.86	4.06	0.00
delta-BHC	4.19	4.20	4.10	4.30	0.01
gamma-BHC (Lindane)	3.66	3.67	3.57	3.77	0.01
Heptachlor	4.01	4.01	3.91	4.11	0.00
Aldrin	4.29	4.30	4.20	4.40	0.01
Heptachlor epoxide	4.79	4.80	4.70	4.90	0.01
Endosulfan I	5.17	5.17	5.07	5.27	0.01
Dieldrin	5.43	5.43	5.33	5.53	0.00
4,4'-DDE	5.30	5.30	5.20	5.40	0.00
Endrin	5.70	5.71	5.61	5.81	0.01
Endosulfan II	6.00	6.00	5.90	6.10	0.01
4,4'-DDD	5.85	5.86	5.76	5.96	0.01
Endosulfan sulfate	6.40	6.40	6.30	6.50	0.00
4,4'-DDT	6.10	6.11	6.01	6.21	0.01
Methoxychlor	6.68	6.68	6.58	6.78	0.00
Endrin ketone	6.90	6.91	6.81	7.01	0.01
Endrin aldehyde	6.17	6.18	6.08	6.28	0.01
alpha-Chlordane	5.11	5.12	5.02	5.22	0.01
gamma-Chlordane	5.05	5.05	4.95	5.15	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2879
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL05 **Date Analyzed:** 08/19/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096883.D **Time Analyzed:** 11:07

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.669	6.575	6.775	54.450	50.000	8.9
4,4'-DDE	6.160	6.066	6.266	52.430	50.000	4.9
4,4'-DDT	6.983	6.889	7.089	52.340	50.000	4.7
Aldrin	5.235	5.143	5.343	52.900	50.000	5.8
alpha-BHC	3.977	3.882	4.082	53.660	50.000	7.3
alpha-Chlordane	5.989	5.897	6.097	52.570	50.000	5.1
beta-BHC	4.490	4.397	4.597	53.880	50.000	7.8
Decachlorobiphenyl	9.006	8.916	9.116	50.150	50.000	0.3
delta-BHC	4.737	4.643	4.843	53.330	50.000	6.7
Dieldrin	6.309	6.216	6.416	51.150	50.000	2.3
Endosulfan I	6.037	5.944	6.144	51.770	50.000	3.5
Endosulfan II	6.748	6.655	6.855	49.770	50.000	-0.5
Endosulfan sulfate	7.111	7.018	7.218	49.230	50.000	-1.5
Endrin	6.534	6.442	6.642	51.930	50.000	3.9
Endrin aldehyde	6.876	6.784	6.984	47.130	50.000	-5.7
Endrin ketone	7.591	7.497	7.697	50.050	50.000	0.1
gamma-BHC (Lindane)	4.303	4.210	4.410	53.210	50.000	6.4
gamma-Chlordane	5.909	5.816	6.016	53.380	50.000	6.8
Heptachlor	4.896	4.803	5.003	57.080	50.000	14.2
Heptachlor epoxide	5.655	5.562	5.762	52.660	50.000	5.3
Methoxychlor	7.455	7.362	7.562	53.050	50.000	6.1
Tetrachloro-m-xylene	3.529	3.435	3.635	53.190	50.000	6.4



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2879
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL05 **Date Analyzed:** 08/19/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096883.D **Time Analyzed:** 11:07

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.851	5.756	5.956	51.520	50.000	3.0
4,4'-DDE	5.298	5.204	5.404	52.570	50.000	5.1
4,4'-DDT	6.104	6.009	6.209	53.290	50.000	6.6
Aldrin	4.292	4.197	4.397	52.370	50.000	4.7
alpha-BHC	3.328	3.233	3.433	53.290	50.000	6.6
alpha-Chlordane	5.110	5.015	5.215	51.670	50.000	3.3
beta-BHC	3.957	3.861	4.061	52.660	50.000	5.3
Decachlorobiphenyl	7.987	7.892	8.092	47.070	50.000	-5.9
delta-BHC	4.190	4.095	4.295	52.860	50.000	5.7
Dieldrin	5.428	5.334	5.534	52.370	50.000	4.7
Endosulfan I	5.165	5.069	5.269	48.920	50.000	-2.2
Endosulfan II	5.995	5.901	6.101	50.760	50.000	1.5
Endosulfan sulfate	6.397	6.302	6.502	49.060	50.000	-1.9
Endrin	5.704	5.609	5.809	52.880	50.000	5.8
Endrin aldehyde	6.174	6.079	6.279	50.090	50.000	0.2
Endrin ketone	6.900	6.807	7.007	54.620	50.000	9.2
gamma-BHC (Lindane)	3.660	3.565	3.765	52.640	50.000	5.3
gamma-Chlordane	5.045	4.951	5.151	52.620	50.000	5.2
Heptachlor	4.009	3.914	4.114	52.720	50.000	5.4
Heptachlor epoxide	4.794	4.699	4.899	52.330	50.000	4.7
Methoxychlor	6.676	6.581	6.781	49.440	50.000	-1.1
Tetrachloro-m-xylene	2.823	2.728	2.928	53.320	50.000	6.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
 Data File : PL096883.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 11:07
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/20/2025
 Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 20 01:36:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.529	2.823	169.2E6	254.8E6	53.186	53.324
28)	SA Decachlor...	9.006	7.987	119.6E6	204.2E6	50.149	47.069
Target Compounds							
2)	A alpha-BHC	3.977	3.328	248.2E6	377.1E6	53.657	53.286
3)	MA gamma-BHC...	4.303	3.660	235.4E6	347.6E6	53.208m	52.643
4)	MA Heptachlor	4.896	4.009	237.2E6	351.2E6	57.081	52.724
5)	MB Aldrin	5.235	4.292	227.5E6	325.1E6	52.904	52.372
6)	B beta-BHC	4.490	3.957	97256234	148.6E6	53.883m	52.661
7)	B delta-BHC	4.737	4.190	212.8E6	342.2E6	53.328	52.863
8)	B Heptachlo...	5.655	4.794	203.1E6	298.8E6	52.662	52.325
9)	A Endosulfan I	6.037	5.165	186.2E6	270.6E6	51.769	48.920
10)	B gamma-Chl...	5.909	5.045	203.1E6	309.4E6	53.377	52.618
11)	B alpha-Chl...	5.989	5.110	202.6E6	304.8E6	52.569	51.670
12)	B 4,4'-DDE	6.160	5.298	168.4E6	289.9E6	52.426	52.573
13)	MA Dieldrin	6.309	5.428	189.8E6	309.3E6	51.151	52.368m
14)	MA Endrin	6.534	5.704	157.2E6	285.9E6	51.934m	52.879
15)	B Endosulfa...	6.748	5.995	159.4E6	260.7E6	49.768m	50.757
16)	A 4,4'-DDD	6.669	5.851	137.7E6	242.4E6	54.455	51.515
17)	MA 4,4'-DDT	6.983	6.104	150.1E6	269.6E6	52.341	53.290
18)	B Endrin al...	6.876	6.174	101.1E6	182.1E6	47.134m	50.093
19)	B Endosulfa...	7.111	6.397	141.5E6	249.5E6	49.232	49.063
20)	A Methoxychlor	7.455	6.676	77903392	135.5E6	53.055	49.440
21)	B Endrin ke...	7.591	6.900	150.5E6	304.2E6	50.050	54.619m
22)	Mirex	8.068	7.092	123.1E6	215.1E6	49.656m	49.332

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
Data File : PL096883.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 11:07
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

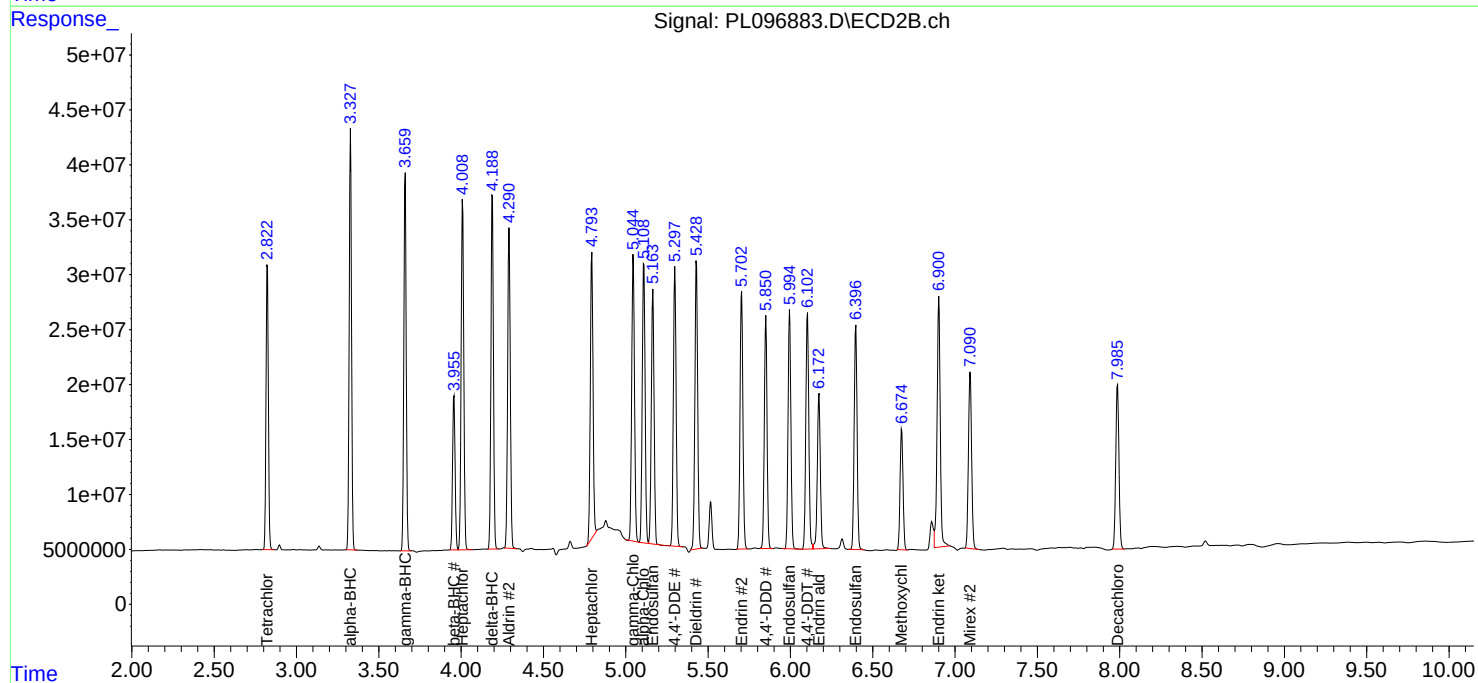
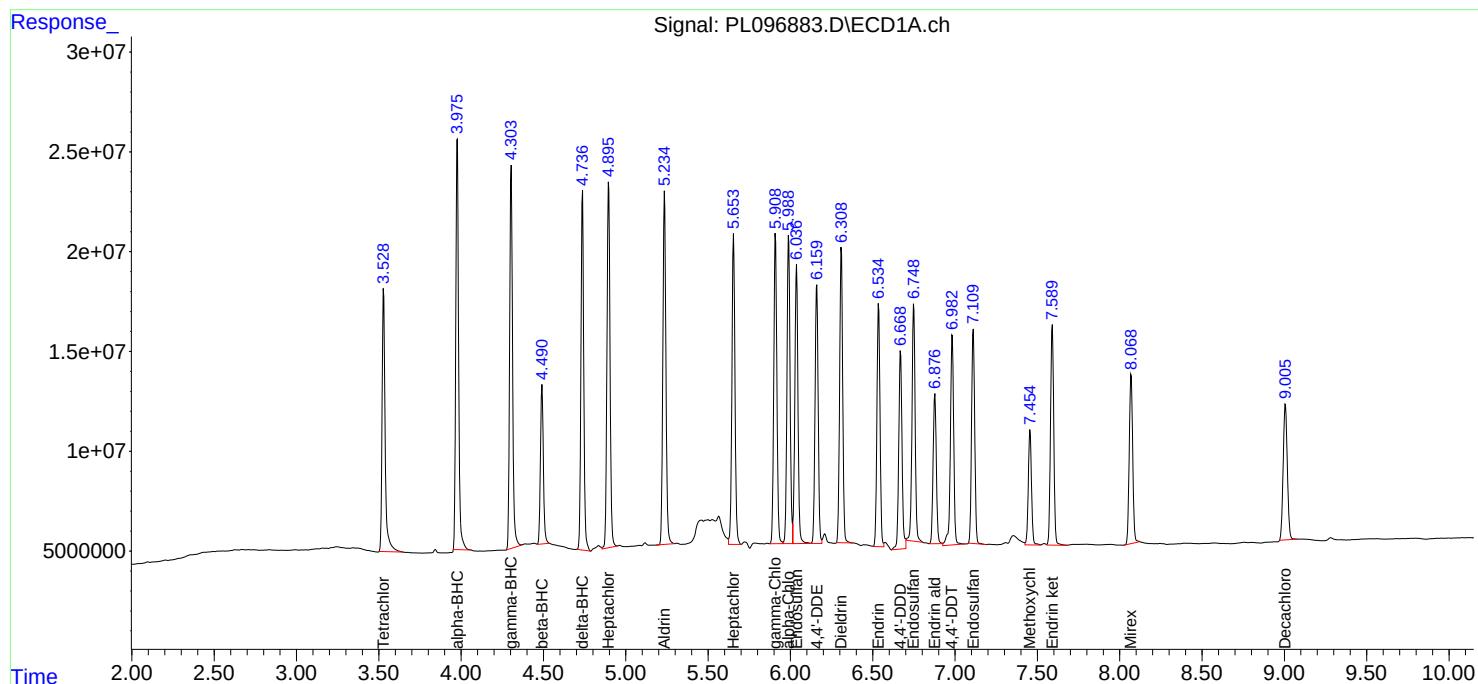
APPROVED

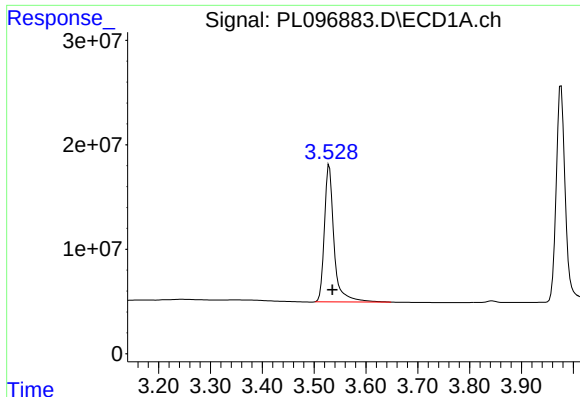
Reviewed By :Abdul Mirza 08/20/2025

Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 01:36:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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





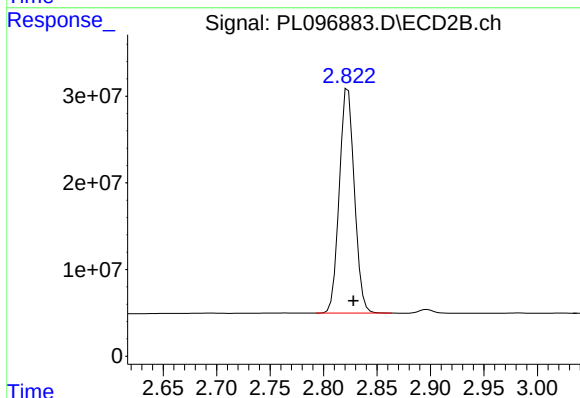
#1 Tetrachloro-m-xylene

R.T.: 3.529 min
Delta R.T.: -0.006 min
Response: 169172451
Conc: 53.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

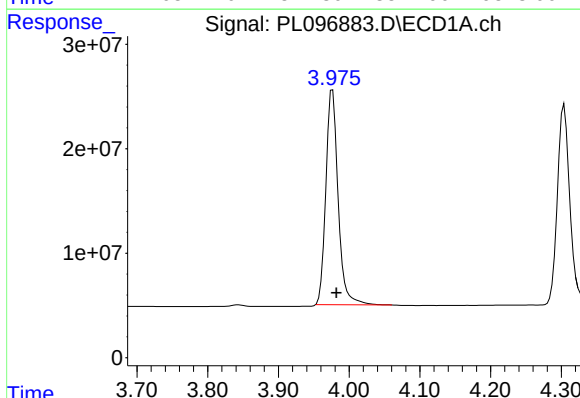
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



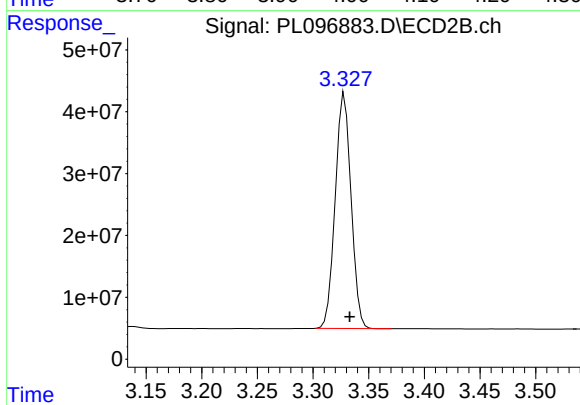
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: -0.005 min
Response: 254768808
Conc: 53.32 ng/ml



#2 alpha-BHC

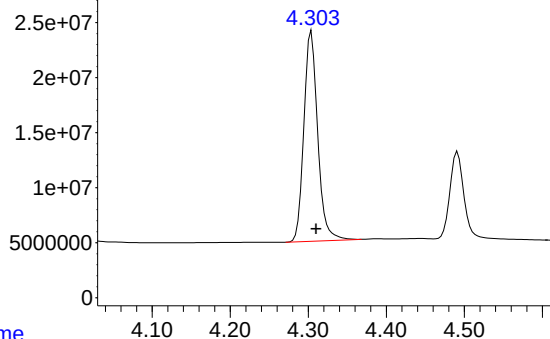
R.T.: 3.977 min
Delta R.T.: -0.006 min
Response: 248235866
Conc: 53.66 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: -0.005 min
Response: 377109164
Conc: 53.29 ng/ml

Response_ Signal: PL096883.D\ECD1A.ch



#3 gamma-BHC (Lindane)

R.T.: 4.303 min
Delta R.T.: -0.008 min
Response: 235363894
Conc: 53.21 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

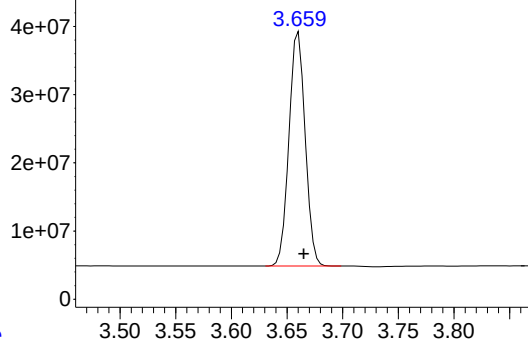
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 08/20/2025

Supervised By :mohammad ahmed 08/21/2025

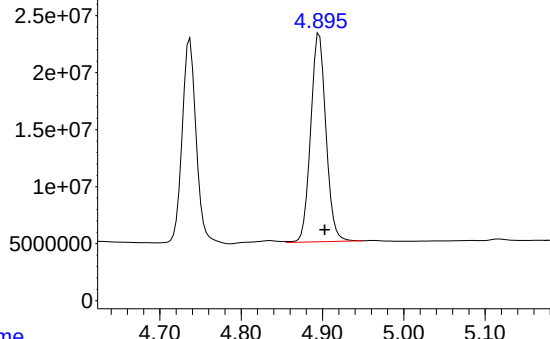
Time Response_ Signal: PL096883.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: -0.005 min
Response: 347622328
Conc: 52.64 ng/ml

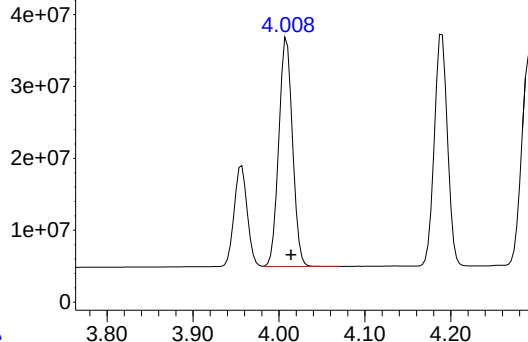
Time Response_ Signal: PL096883.D\ECD1A.ch



#4 Heptachlor

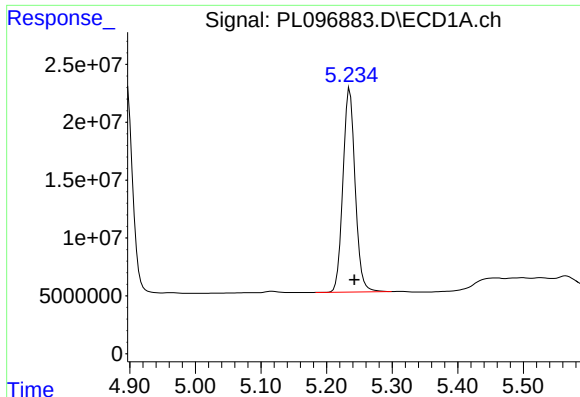
R.T.: 4.896 min
Delta R.T.: -0.007 min
Response: 237208958
Conc: 57.08 ng/ml

Time Response_ Signal: PL096883.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.009 min
Delta R.T.: -0.005 min
Response: 351242008
Conc: 52.72 ng/ml



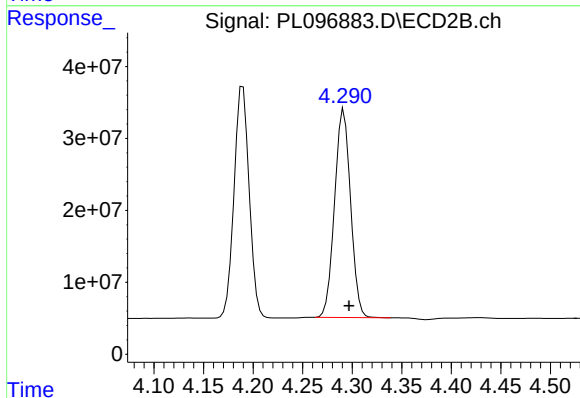
#5 Aldrin

R.T.: 5.235 min
Delta R.T.: -0.007 min
Response: 227541406
Conc: 52.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

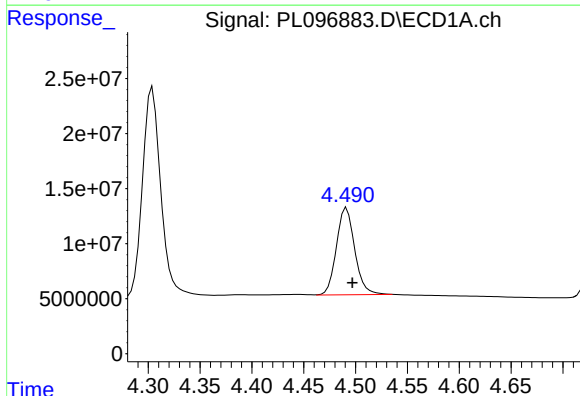
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



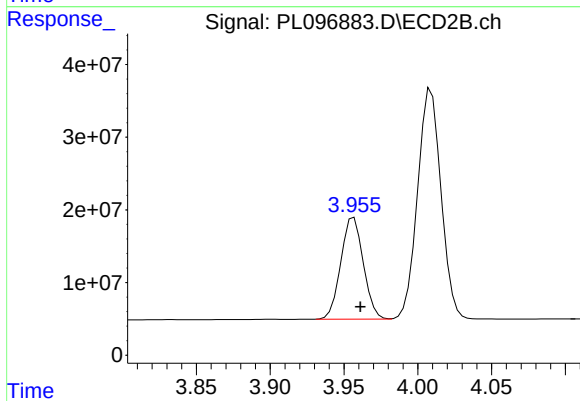
#5 Aldrin

R.T.: 4.292 min
Delta R.T.: -0.005 min
Response: 325078016
Conc: 52.37 ng/ml



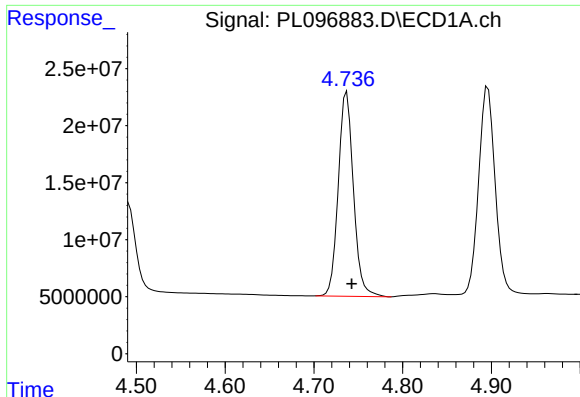
#6 beta-BHC

R.T.: 4.490 min
Delta R.T.: -0.007 min
Response: 97256234
Conc: 53.88 ng/ml m



#6 beta-BHC

R.T.: 3.957 min
Delta R.T.: -0.004 min
Response: 148550185
Conc: 52.66 ng/ml



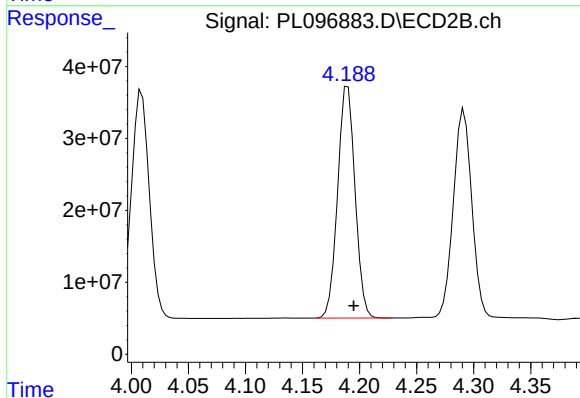
#7 delta-BHC

R.T.: 4.737 min
Delta R.T.: -0.005 min
Response: 212769495
Conc: 53.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

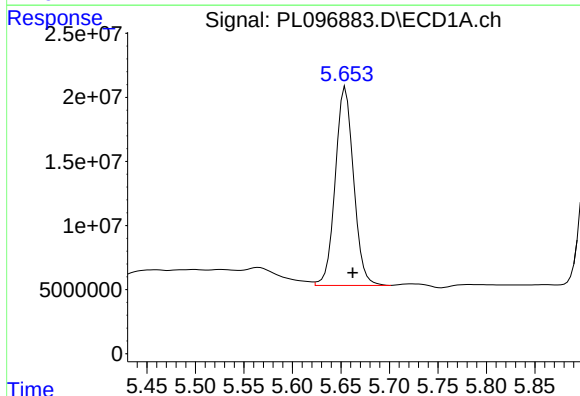
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



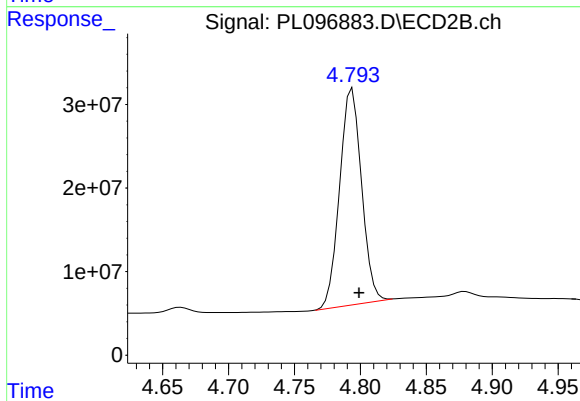
#7 delta-BHC

R.T.: 4.190 min
Delta R.T.: -0.005 min
Response: 342215690
Conc: 52.86 ng/ml



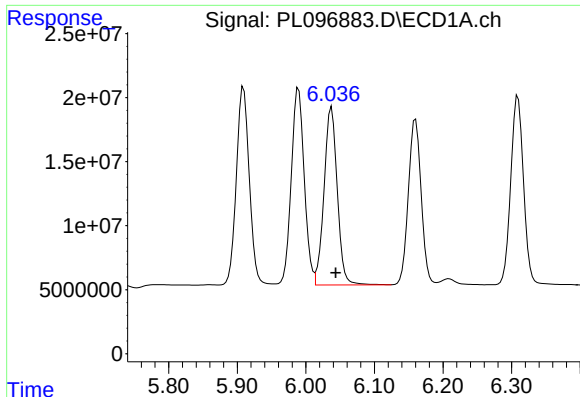
#8 Heptachlor epoxide

R.T.: 5.655 min
Delta R.T.: -0.008 min
Response: 203092232
Conc: 52.66 ng/ml



#8 Heptachlor epoxide

R.T.: 4.794 min
Delta R.T.: -0.005 min
Response: 298847063
Conc: 52.33 ng/ml



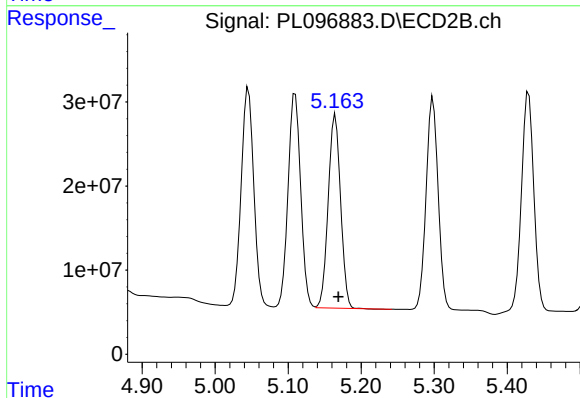
#9 Endosulfan I

R.T.: 6.037 min
Delta R.T.: -0.006 min
Response: 186180275
Conc: 51.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

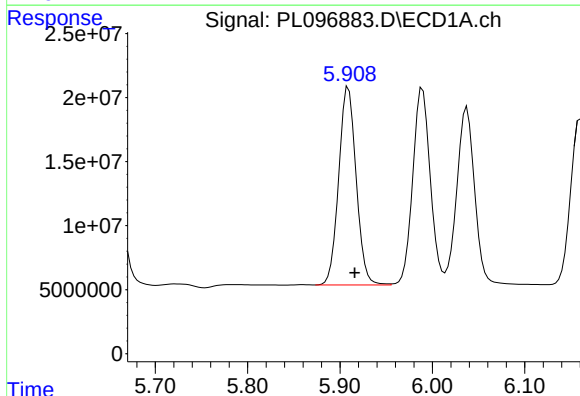
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



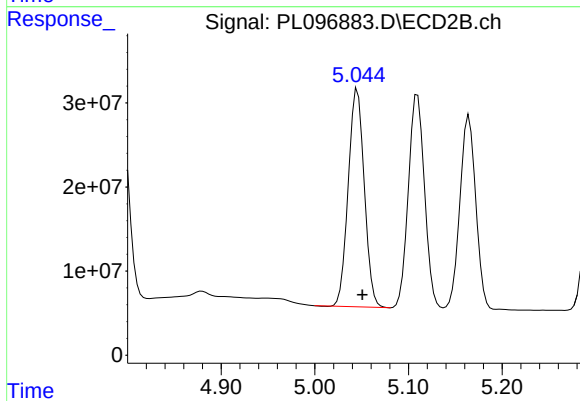
#9 Endosulfan I

R.T.: 5.165 min
Delta R.T.: -0.004 min
Response: 270594793
Conc: 48.92 ng/ml



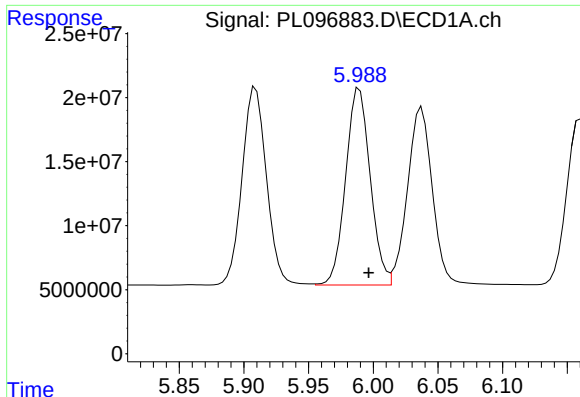
#10 gamma-Chlordane

R.T.: 5.909 min
Delta R.T.: -0.007 min
Response: 203111093
Conc: 53.38 ng/ml



#10 gamma-Chlordane

R.T.: 5.045 min
Delta R.T.: -0.006 min
Response: 309399514
Conc: 52.62 ng/ml



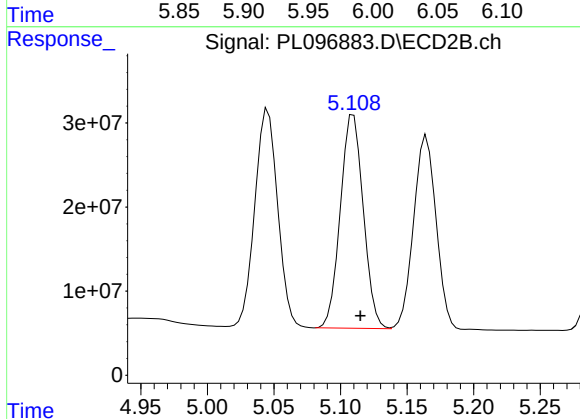
#11 alpha-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.007 min
Response: 202635869
Conc: 52.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

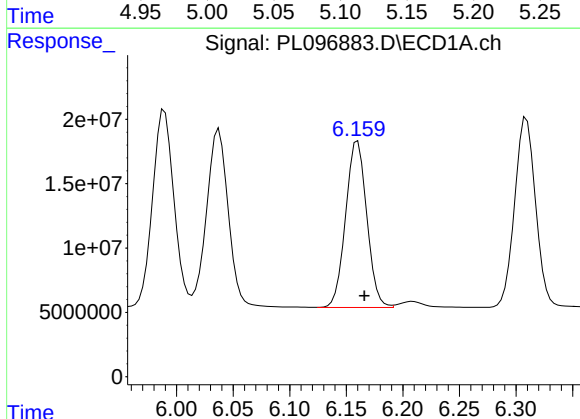
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



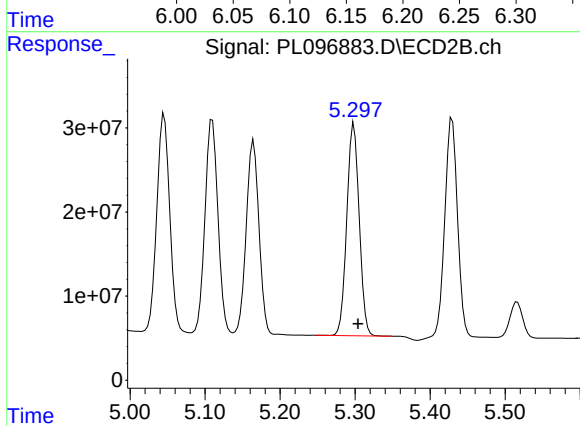
#11 alpha-Chlordane

R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 304797223
Conc: 51.67 ng/ml



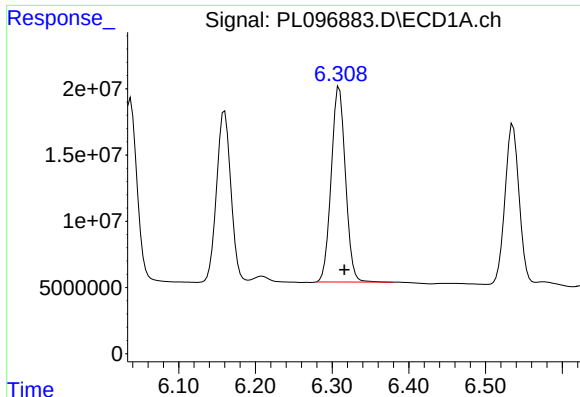
#12 4,4'-DDE

R.T.: 6.160 min
Delta R.T.: -0.006 min
Response: 168352423
Conc: 52.43 ng/ml



#12 4,4'-DDE

R.T.: 5.298 min
Delta R.T.: -0.006 min
Response: 289908511
Conc: 52.57 ng/ml



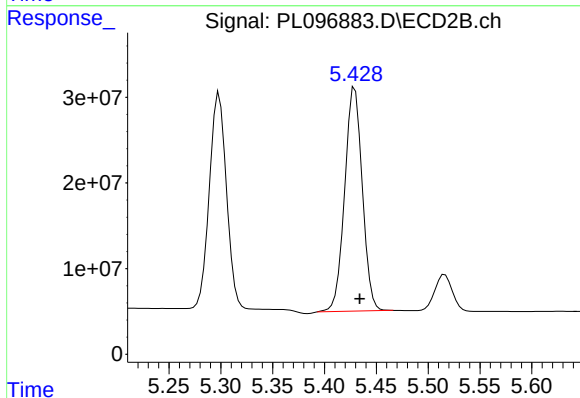
#13 Dieldrin

R.T.: 6.309 min
Delta R.T.: -0.007 min
Response: 189828288
Conc: 51.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

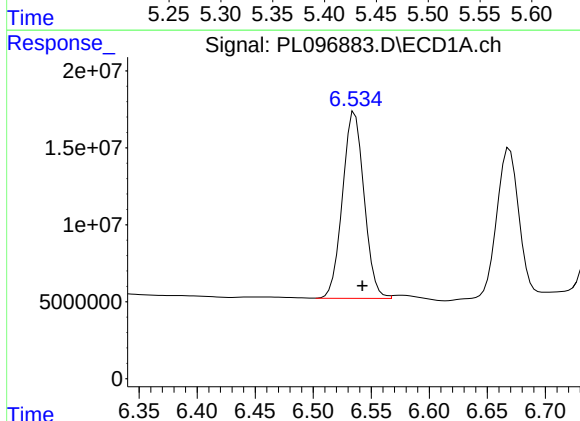
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



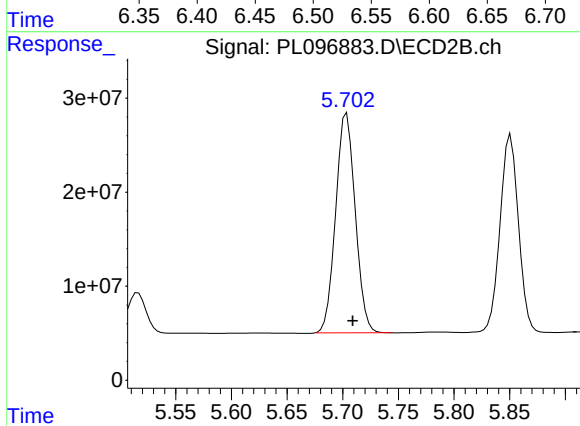
#13 Dieldrin

R.T.: 5.428 min
Delta R.T.: -0.006 min
Response: 309313506
Conc: 52.37 ng/ml m



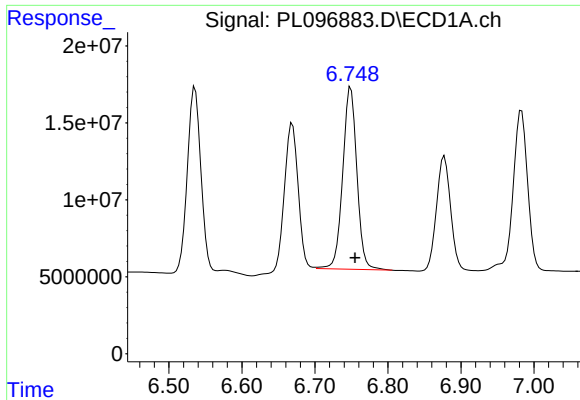
#14 Endrin

R.T.: 6.534 min
Delta R.T.: -0.008 min
Response: 157192352
Conc: 51.93 ng/ml m



#14 Endrin

R.T.: 5.704 min
Delta R.T.: -0.005 min
Response: 285859722
Conc: 52.88 ng/ml



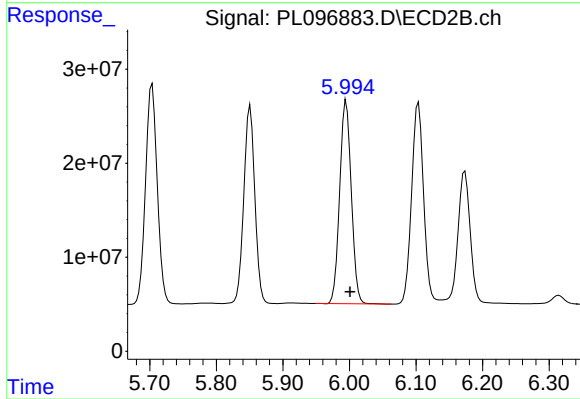
#15 Endosulfan II

R.T.: 6.748 min
Delta R.T.: -0.007 min
Response: 159388669
Conc: 49.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

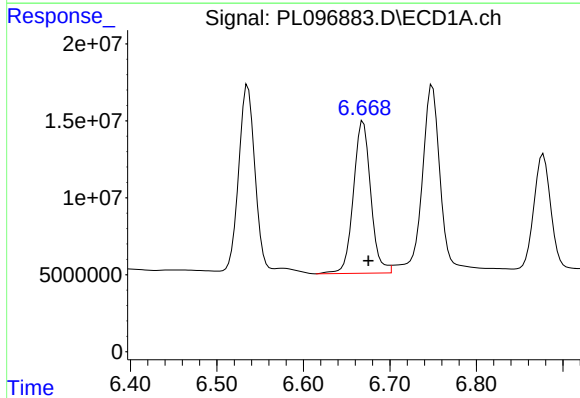
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



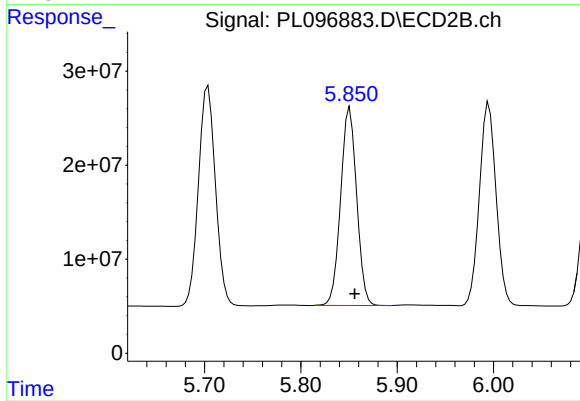
#15 Endosulfan II

R.T.: 5.995 min
Delta R.T.: -0.006 min
Response: 260701440
Conc: 50.76 ng/ml



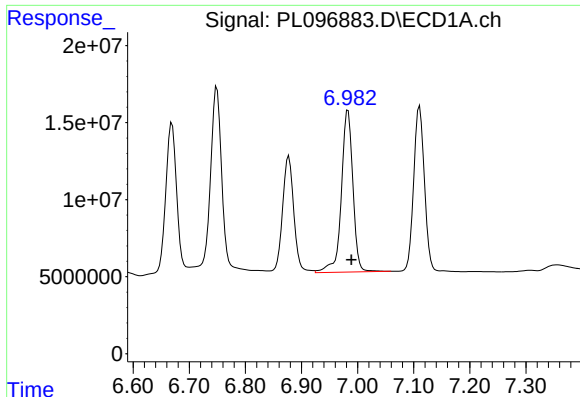
#16 4,4'-DDD

R.T.: 6.669 min
Delta R.T.: -0.006 min
Response: 137681415
Conc: 54.45 ng/ml



#16 4,4'-DDD

R.T.: 5.851 min
Delta R.T.: -0.005 min
Response: 242394830
Conc: 51.52 ng/ml



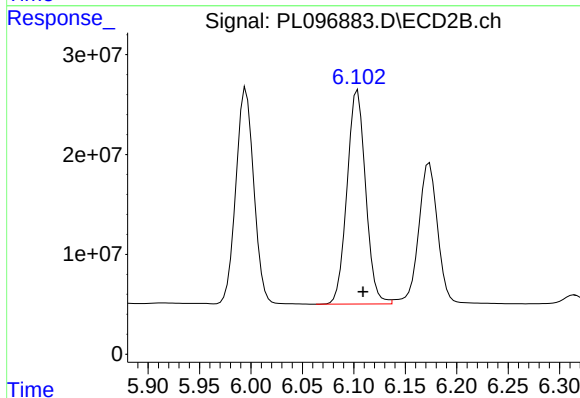
#17 4,4'-DDT

R.T.: 6.983 min
Delta R.T.: -0.006 min
Response: 150097513
Conc: 52.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

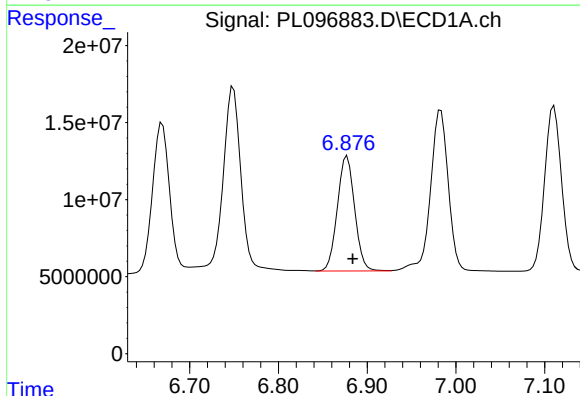
Manual Integrations
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Supervised By :mohammad ahmed 08/21/2025



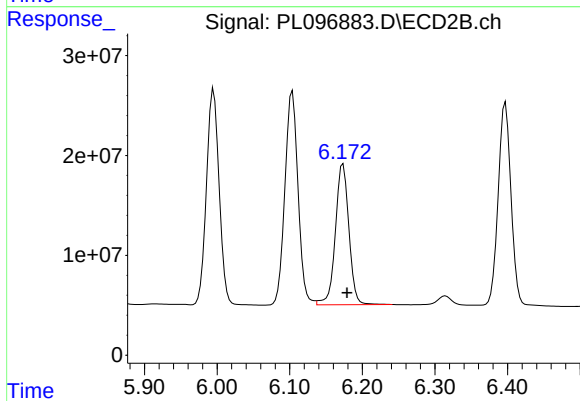
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 269558197
Conc: 53.29 ng/ml



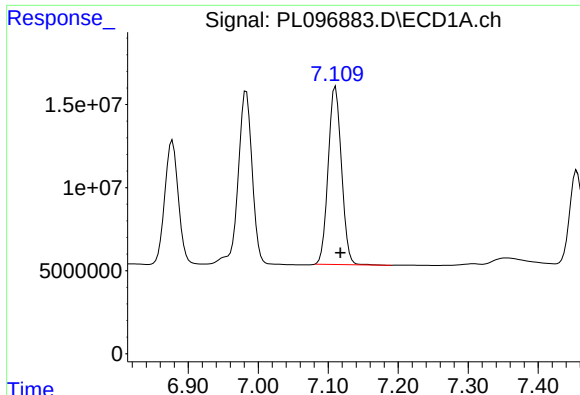
#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: -0.008 min
Response: 101145055
Conc: 47.13 ng/ml m



#18 Endrin aldehyde

R.T.: 6.174 min
Delta R.T.: -0.005 min
Response: 182089817
Conc: 50.09 ng/ml



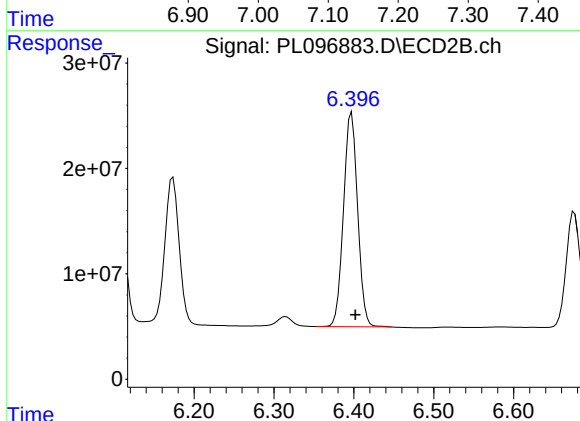
#19 Endosulfan Sulfate

R.T.: 7.111 min
Delta R.T.: -0.007 min
Response: 141477666
Conc: 49.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

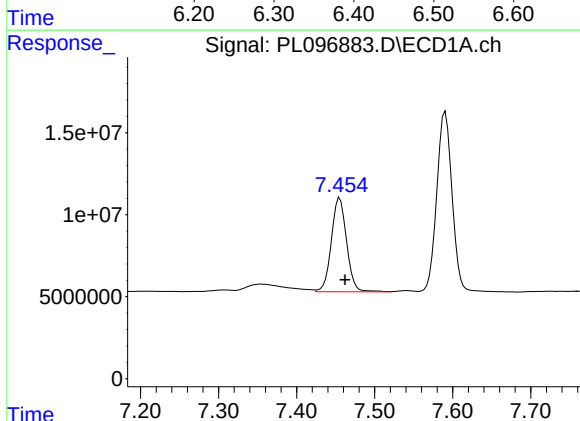
Manual Integrations
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Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



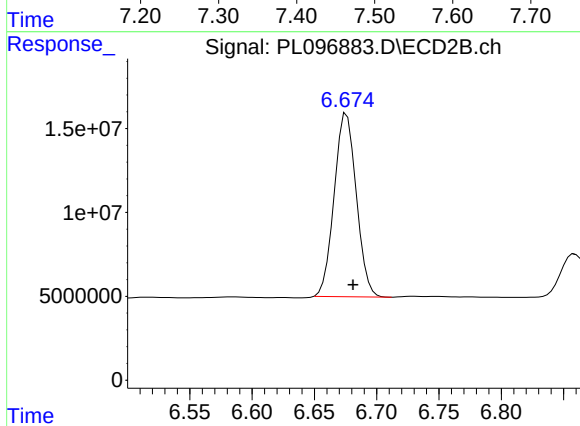
#19 Endosulfan Sulfate

R.T.: 6.397 min
Delta R.T.: -0.005 min
Response: 249546845
Conc: 49.06 ng/ml



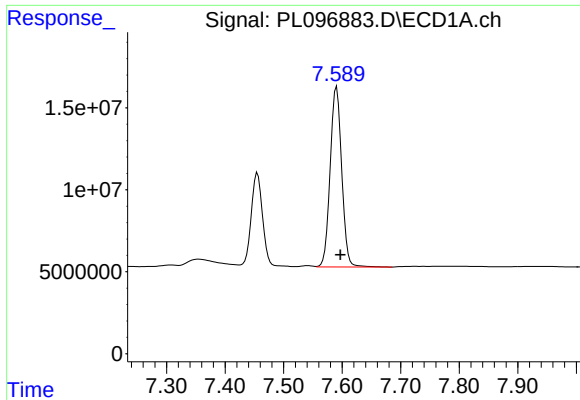
#20 Methoxychlor

R.T.: 7.455 min
Delta R.T.: -0.007 min
Response: 77903392
Conc: 53.05 ng/ml



#20 Methoxychlor

R.T.: 6.676 min
Delta R.T.: -0.005 min
Response: 135489493
Conc: 49.44 ng/ml



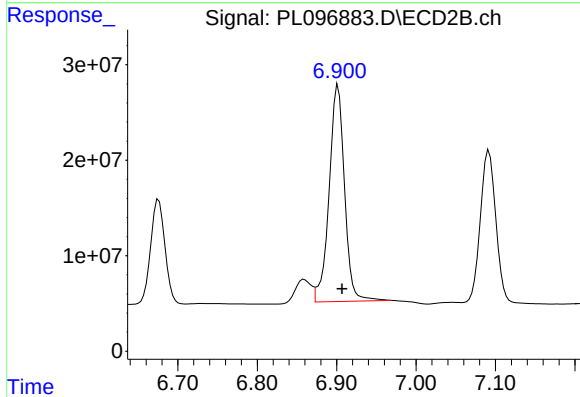
#21 Endrin ketone

R.T.: 7.591 min
Delta R.T.: -0.006 min
Response: 150485214
Conc: 50.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

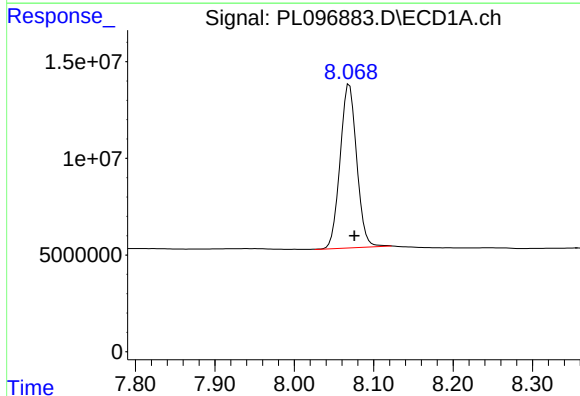
Manual Integrations
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Supervised By :mohammad ahmed 08/21/2025



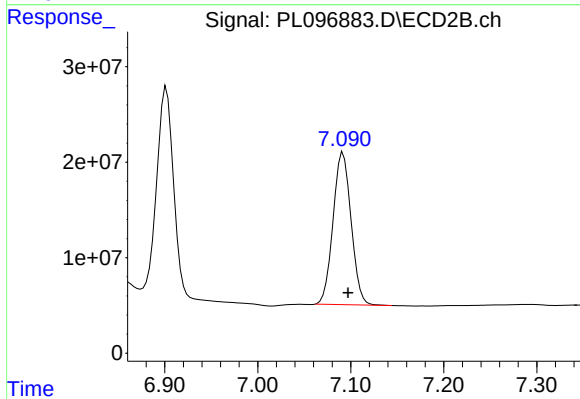
#21 Endrin ketone

R.T.: 6.900 min
Delta R.T.: -0.007 min
Response: 304212282
Conc: 54.62 ng/ml m



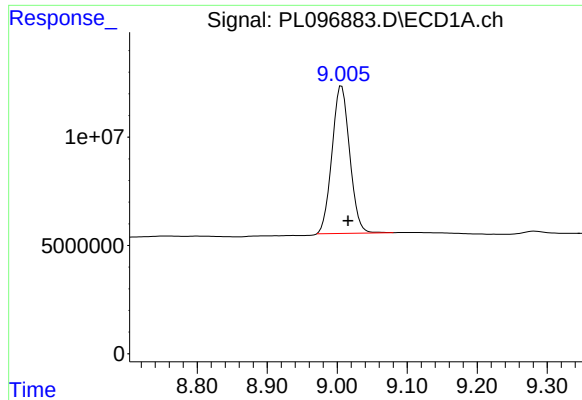
#22 Mirex

R.T.: 8.068 min
Delta R.T.: -0.008 min
Response: 123115537
Conc: 49.66 ng/ml m



#22 Mirex

R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 215128947
Conc: 49.33 ng/ml



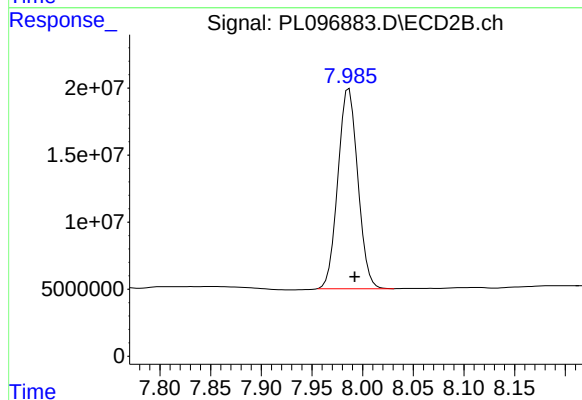
#28 Decachlorobiphenyl

R.T.: 9.006 min
Delta R.T.: -0.009 min
Response: 119588924
Conc: 50.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 08/21/2025



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 204201924
Conc: 47.07 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

Continuing Calib Date: 08/19/2025

Initial Calibration Date(s): 07/28/2025

07/28/2025

Continuing Calib Time: 15:20

Initial Calibration Time(s): 16:52

17:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.00	9.02	8.92	9.12	0.02
Tetrachloro-m-xylene	3.53	3.54	3.44	3.64	0.01
alpha-BHC	3.98	3.98	3.88	4.08	0.00
beta-BHC	4.49	4.50	4.40	4.60	0.01
delta-BHC	4.74	4.74	4.64	4.84	0.00
gamma-BHC (Lindane)	4.31	4.31	4.21	4.41	0.00
Heptachlor	4.90	4.90	4.80	5.00	0.00
Aldrin	5.24	5.24	5.14	5.34	0.00
Heptachlor epoxide	5.65	5.66	5.56	5.76	0.01
Endosulfan I	6.04	6.04	5.94	6.14	0.00
Dieldrin	6.31	6.32	6.22	6.42	0.01
4,4'-DDE	6.16	6.17	6.07	6.27	0.01
Endrin	6.53	6.54	6.44	6.64	0.01
Endosulfan II	6.75	6.76	6.66	6.86	0.01
4,4'-DDD	6.67	6.68	6.58	6.78	0.01
Endosulfan sulfate	7.11	7.12	7.02	7.22	0.01
4,4'-DDT	6.98	6.99	6.89	7.09	0.01
Methoxychlor	7.45	7.46	7.36	7.56	0.01
Endrin ketone	7.59	7.60	7.50	7.70	0.01
Endrin aldehyde	6.88	6.88	6.78	6.98	0.00
alpha-Chlordane	5.99	6.00	5.90	6.10	0.01
gamma-Chlordane	5.91	5.92	5.82	6.02	0.01



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

Continuing Calib Date: 08/19/2025

Initial Calibration Date(s): 07/28/2025

07/28/2025

Continuing Calib Time: 15:20

Initial Calibration Time(s): 16:52

17:47

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.99	7.99	7.89	8.09	0.00
Tetrachloro-m-xylene	2.83	2.83	2.73	2.93	0.00
alpha-BHC	3.33	3.33	3.23	3.43	0.00
beta-BHC	3.96	3.96	3.86	4.06	0.00
delta-BHC	4.19	4.20	4.10	4.30	0.01
gamma-BHC (Lindane)	3.66	3.67	3.57	3.77	0.01
Heptachlor	4.01	4.01	3.91	4.11	0.00
Aldrin	4.29	4.30	4.20	4.40	0.01
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	5.43	5.33	5.53	0.00
4,4'-DDE	5.30	5.30	5.20	5.40	0.00
Endrin	5.71	5.71	5.61	5.81	0.01
Endosulfan II	6.00	6.00	5.90	6.10	0.00
4,4'-DDD	5.85	5.86	5.76	5.96	0.01
Endosulfan sulfate	6.40	6.40	6.30	6.50	0.00
4,4'-DDT	6.10	6.11	6.01	6.21	0.01
Methoxychlor	6.68	6.68	6.58	6.78	0.00
Endrin ketone	6.90	6.91	6.81	7.01	0.01
Endrin aldehyde	6.18	6.18	6.08	6.28	0.00
alpha-Chlordane	5.11	5.12	5.02	5.22	0.01
gamma-Chlordane	5.05	5.05	4.95	5.15	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2879
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL06 **Date Analyzed:** 08/19/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096895.D **Time Analyzed:** 15:20

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.667	6.575	6.775	55.240	50.000	10.5
4,4'-DDE	6.159	6.066	6.266	52.750	50.000	5.5
4,4'-DDT	6.982	6.889	7.089	50.670	50.000	1.3
Aldrin	5.236	5.143	5.343	52.780	50.000	5.6
alpha-BHC	3.978	3.882	4.082	54.920	50.000	9.8
alpha-Chlordane	5.989	5.897	6.097	51.720	50.000	3.4
beta-BHC	4.491	4.397	4.597	56.640	50.000	13.3
Decachlorobiphenyl	9.002	8.916	9.116	53.220	50.000	6.4
delta-BHC	4.738	4.643	4.843	55.710	50.000	11.4
Dieldrin	6.307	6.216	6.416	50.870	50.000	1.7
Endosulfan I	6.036	5.944	6.144	50.520	50.000	1.0
Endosulfan II	6.746	6.655	6.855	49.070	50.000	-1.9
Endosulfan sulfate	7.109	7.018	7.218	47.580	50.000	-4.8
Endrin	6.533	6.442	6.642	51.150	50.000	2.3
Endrin aldehyde	6.876	6.784	6.984	51.770	50.000	3.5
Endrin ketone	7.589	7.497	7.697	47.310	50.000	-5.4
gamma-BHC (Lindane)	4.306	4.210	4.410	54.030	50.000	8.1
gamma-Chlordane	5.909	5.816	6.016	53.100	50.000	6.2
Heptachlor	4.897	4.803	5.003	56.690	50.000	13.4
Heptachlor epoxide	5.654	5.562	5.762	53.910	50.000	7.8
Methoxychlor	7.452	7.362	7.562	48.370	50.000	-3.3
Tetrachloro-m-xylene	3.531	3.435	3.635	55.120	50.000	10.2



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** NOBI03
Lab Code: ACE **SDG NO.:** Q2879
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL06 **Date Analyzed:** 08/19/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096895.D **Time Analyzed:** 15:20

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.852	5.756	5.956	48.130	50.000	-3.7
4,4'-DDE	5.299	5.204	5.404	50.620	50.000	1.2
4,4'-DDT	6.104	6.009	6.209	47.030	50.000	-5.9
Aldrin	4.293	4.197	4.397	52.750	50.000	5.5
alpha-BHC	3.331	3.233	3.433	54.040	50.000	8.1
alpha-Chlordane	5.111	5.015	5.215	50.230	50.000	0.5
beta-BHC	3.959	3.861	4.061	53.330	50.000	6.7
Decachlorobiphenyl	7.985	7.892	8.092	44.780	50.000	-10.4
delta-BHC	4.191	4.095	4.295	53.170	50.000	6.3
Dieldrin	5.429	5.334	5.534	50.100	50.000	0.2
Endosulfan I	5.166	5.069	5.269	47.750	50.000	-4.5
Endosulfan II	5.996	5.901	6.101	47.470	50.000	-5.1
Endosulfan sulfate	6.398	6.302	6.502	45.480	50.000	-9.0
Endrin	5.705	5.609	5.809	54.090	50.000	8.2
Endrin aldehyde	6.175	6.079	6.279	47.040	50.000	-5.9
Endrin ketone	6.902	6.807	7.007	45.330	50.000	-9.3
gamma-BHC (Lindane)	3.663	3.565	3.765	53.530	50.000	7.1
gamma-Chlordane	5.047	4.951	5.151	51.290	50.000	2.6
Heptachlor	4.011	3.914	4.114	52.480	50.000	5.0
Heptachlor epoxide	4.795	4.699	4.899	50.880	50.000	1.8
Methoxychlor	6.675	6.581	6.781	44.890	50.000	-10.2
Tetrachloro-m-xylene	2.826	2.728	2.928	53.730	50.000	7.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
 Data File : PL096895.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 15:20
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
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Reviewed By : Abdul Mirza 08/20/2025
 Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 20 01:37:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.826	175.3E6	256.7E6	55.122	53.727
28)	SA Decachlor...	9.002	7.985	126.9E6	194.3E6	53.217m	44.784m
Target Compounds							
2)	A alpha-BHC	3.978	3.331	254.1E6	382.5E6	54.922	54.042
3)	MA gamma-BHC...	4.306	3.663	239.0E6	353.5E6	54.027	53.532
4)	MA Heptachlor	4.897	4.011	235.6E6	349.6E6	56.688	52.475
5)	MB Aldrin	5.236	4.293	227.0E6	327.4E6	52.783	52.748
6)	B beta-BHC	4.491	3.959	102.2E6	150.4E6	56.643m	53.327
7)	B delta-BHC	4.738	4.191	222.3E6	344.2E6	55.714	53.174
8)	B Heptachlo...	5.654	4.795	207.9E6	290.6E6	53.911	50.877
9)	A Endosulfan I	6.036	5.166	181.7E6	264.1E6	50.515	47.754
10)	B gamma-Chl...	5.909	5.047	202.1E6	301.6E6	53.102	51.295
11)	B alpha-Chl...	5.989	5.111	199.4E6	296.3E6	51.719	50.235
12)	B 4,4'-DDE	6.159	5.299	169.4E6	279.1E6	52.747	50.617
13)	MA Dieldrin	6.307	5.429	188.8E6	295.9E6	50.870m	50.097m
14)	MA Endrin	6.533	5.705	154.8E6	292.4E6	51.154m	54.089
15)	B Endosulfa...	6.746	5.996	157.2E6	243.8E6	49.073m	47.470
16)	A 4,4'-DDD	6.667	5.852	139.7E6	226.5E6	55.238	48.130
17)	MA 4,4'-DDT	6.982	6.104	145.3E6	237.9E6	50.667	47.033
18)	B Endrin al...	6.876	6.175	111.1E6	171.0E6	51.774	47.044
19)	B Endosulfa...	7.109	6.398	136.7E6	231.3E6	47.583	45.475
20)	A Methoxychlor	7.452	6.675	71029000	123.0E6	48.373m	44.895m
21)	B Endrin ke...	7.589	6.902	142.3E6	252.5E6	47.312	45.329
22)	Mirex	8.066	7.092	116.6E6	191.4E6	47.024m	43.894

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
Data File : PL096895.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 15:20
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

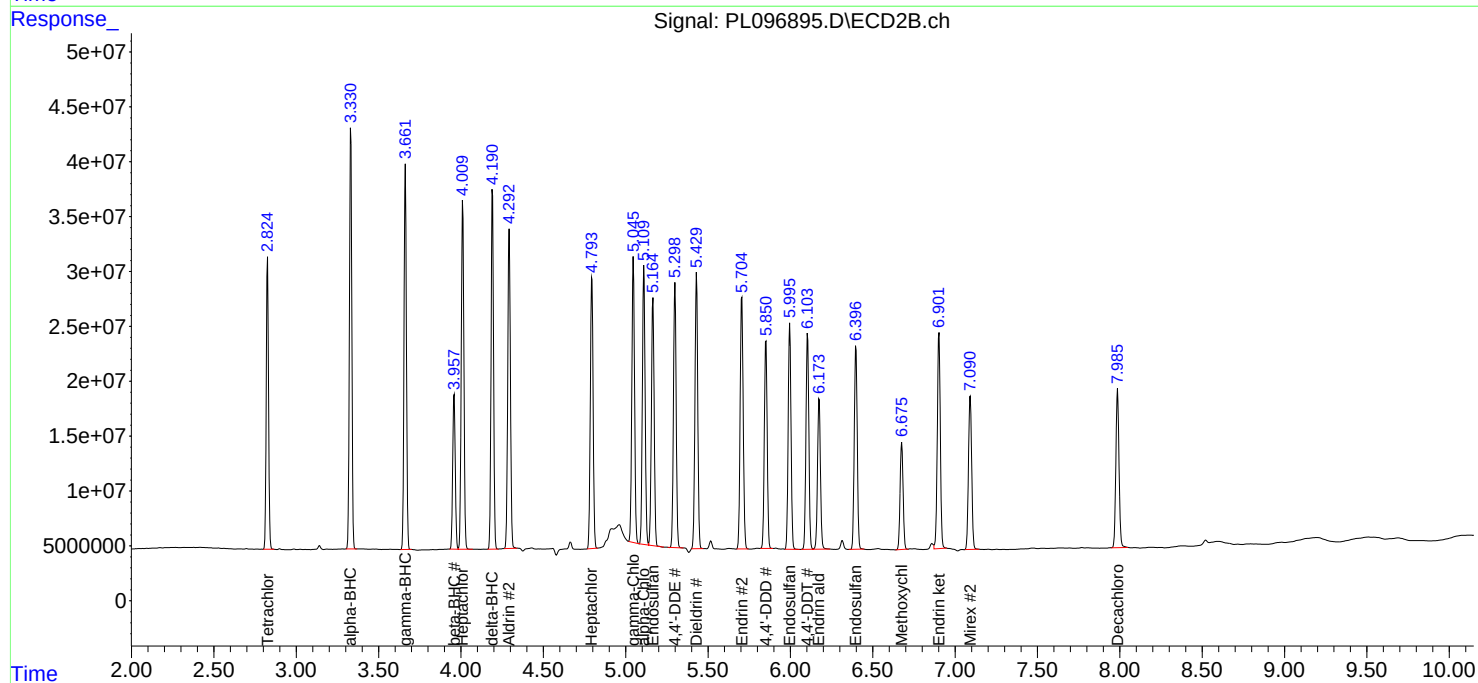
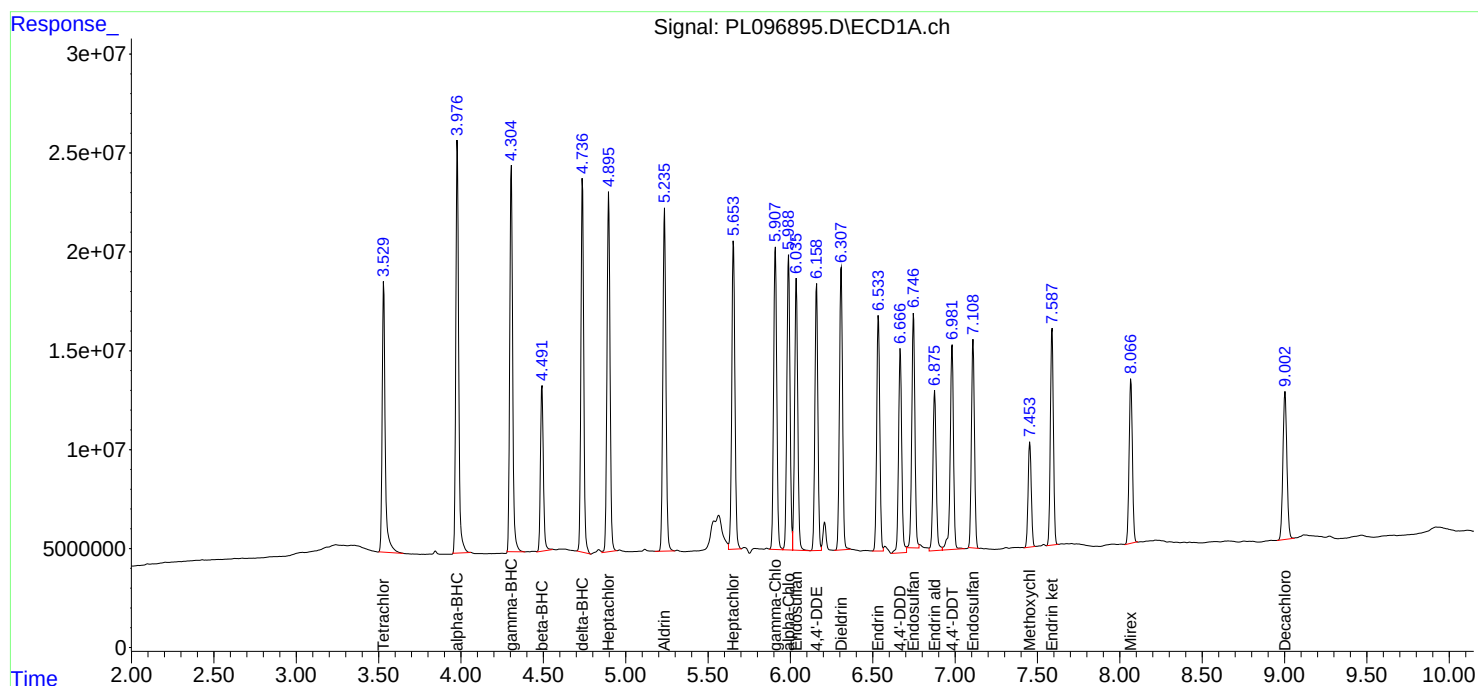
APPROVED

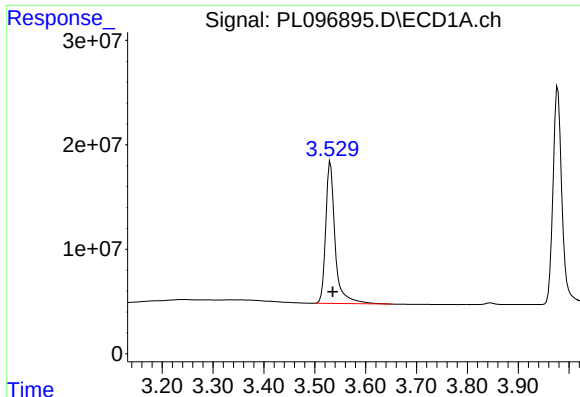
Reviewed By :Abdul Mirza 08/20/2025

Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 01:37:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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





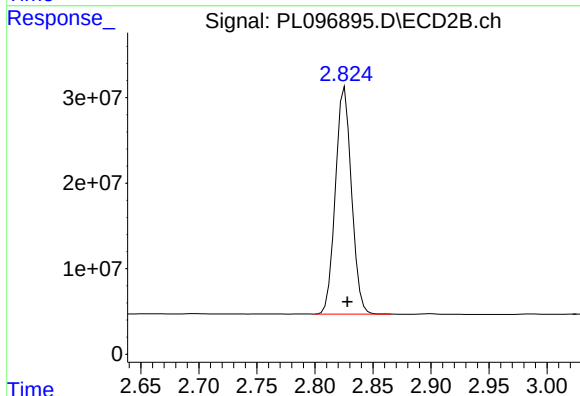
#1 Tetrachloro-m-xylene

R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 175332172
Conc: 55.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

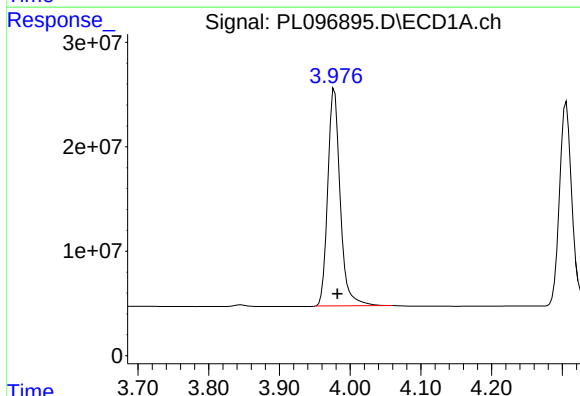
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



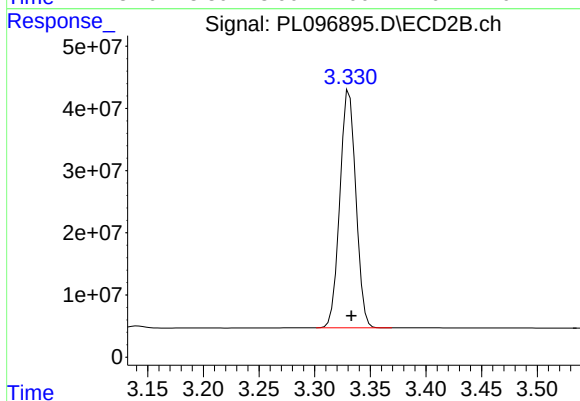
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 256694097
Conc: 53.73 ng/ml



#2 alpha-BHC

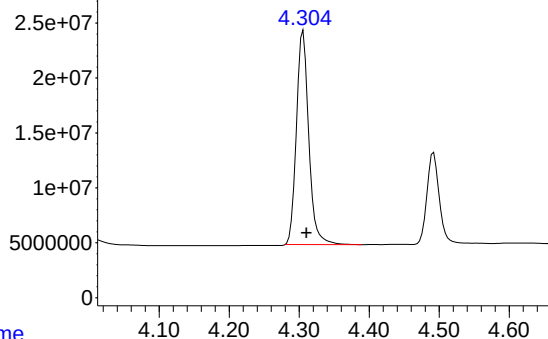
R.T.: 3.978 min
Delta R.T.: -0.004 min
Response: 254087340
Conc: 54.92 ng/ml



#2 alpha-BHC

R.T.: 3.331 min
Delta R.T.: -0.002 min
Response: 382457699
Conc: 54.04 ng/ml

Response_ Signal: PL096895.D\ECD1A.ch



#3 gamma-BHC (Lindane)

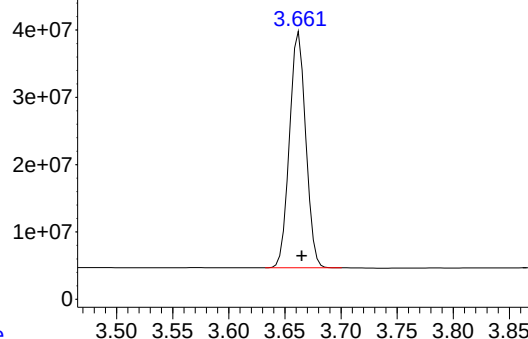
R.T.: 4.306 min
Delta R.T.: -0.005 min
Response: 238986492
Conc: 54.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

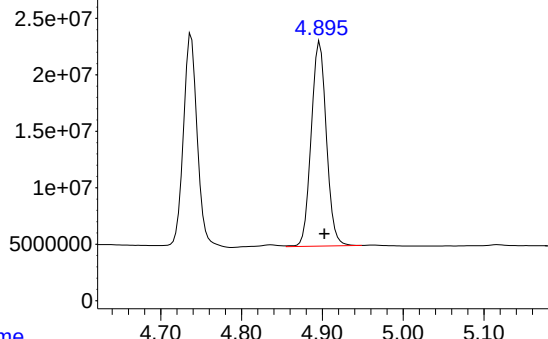
Time Response_ Signal: PL096895.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.663 min
Delta R.T.: -0.002 min
Response: 353488768
Conc: 53.53 ng/ml

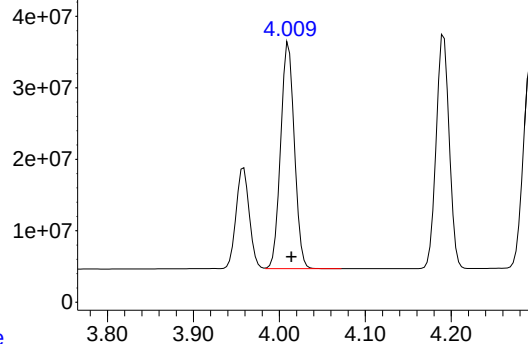
Time Response_ Signal: PL096895.D\ECD1A.ch



#4 Heptachlor

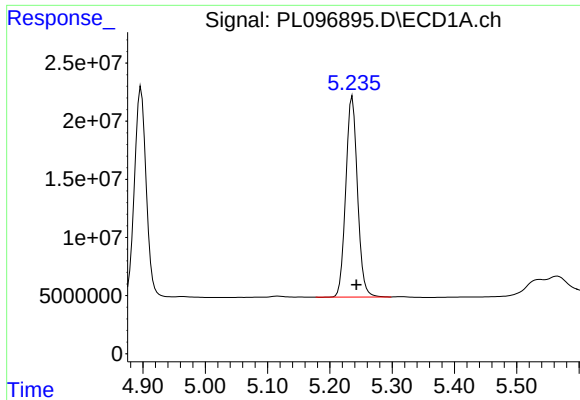
R.T.: 4.897 min
Delta R.T.: -0.006 min
Response: 235578505
Conc: 56.69 ng/ml

Time Response_ Signal: PL096895.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 349587085
Conc: 52.48 ng/ml



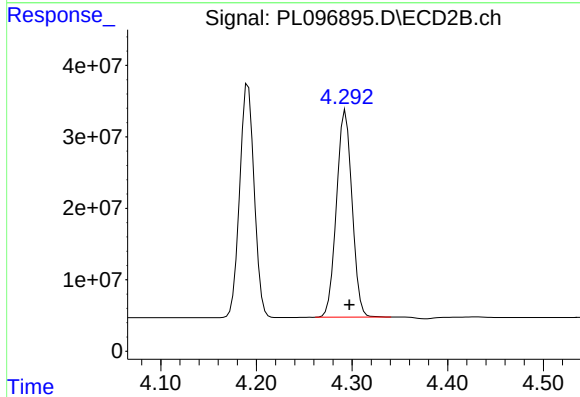
#5 Aldrin

R.T.: 5.236 min
Delta R.T.: -0.007 min
Response: 227019201
Conc: 52.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

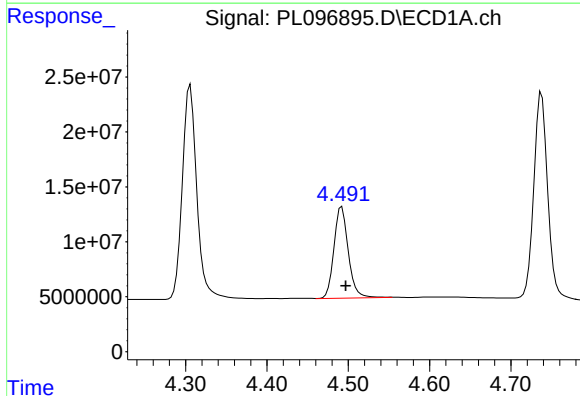
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



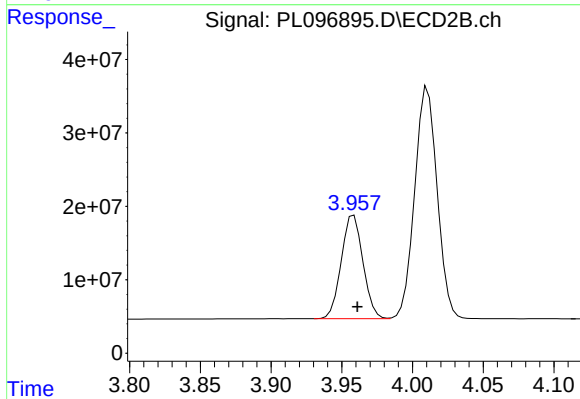
#5 Aldrin

R.T.: 4.293 min
Delta R.T.: -0.004 min
Response: 327407727
Conc: 52.75 ng/ml



#6 beta-BHC

R.T.: 4.491 min
Delta R.T.: -0.006 min
Response: 102238315
Conc: 56.64 ng/ml m

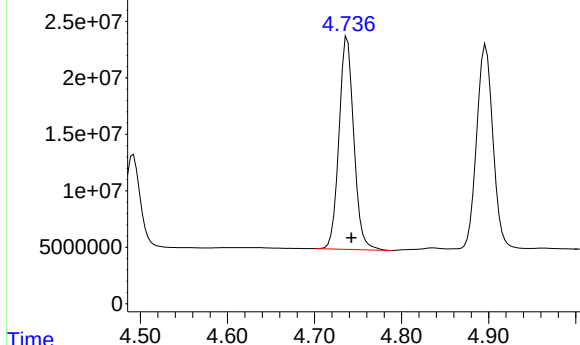


#6 beta-BHC

R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 150429846
Conc: 53.33 ng/ml

Response_ Signal: PL096895.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.738 min
Delta R.T.: -0.005 min
Response: 222290465
Conc: 55.71 ng/ml

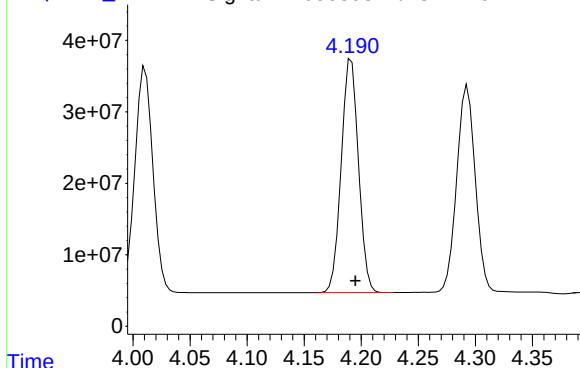
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Time Response_ Signal: PL096895.D\ECD2B.ch

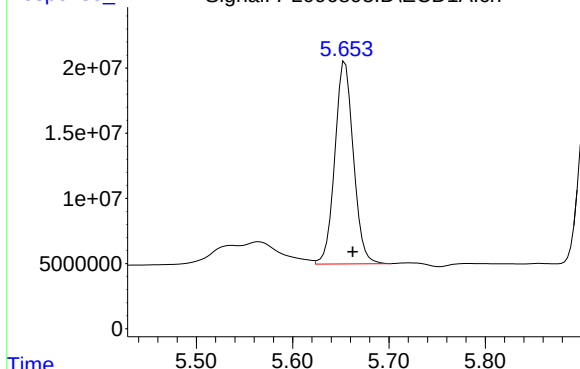
#7 delta-BHC



R.T.: 4.191 min
Delta R.T.: -0.004 min
Response: 344229392
Conc: 53.17 ng/ml

Time Response_ Signal: PL096895.D\ECD1A.ch

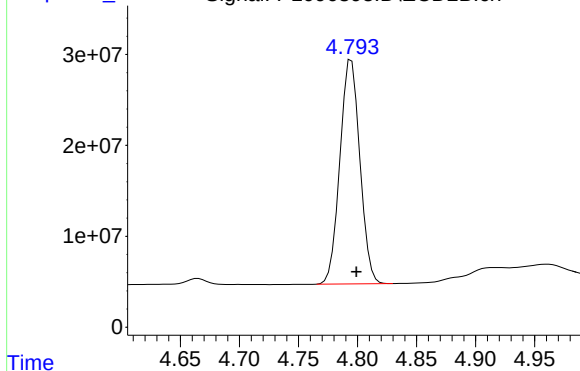
#8 Heptachlor epoxide



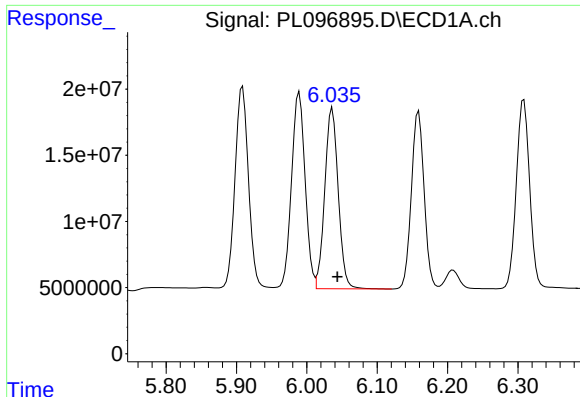
R.T.: 5.654 min
Delta R.T.: -0.008 min
Response: 207910728
Conc: 53.91 ng/ml

Time Response_ Signal: PL096895.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.795 min
Delta R.T.: -0.004 min
Response: 290577483
Conc: 50.88 ng/ml



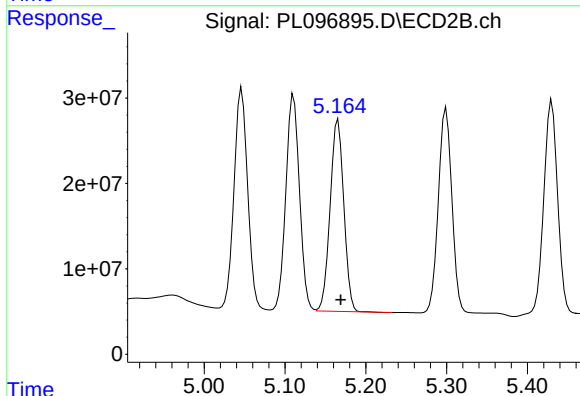
#9 Endosulfan I

R.T.: 6.036 min
Delta R.T.: -0.007 min
Response: 181671756
Conc: 50.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

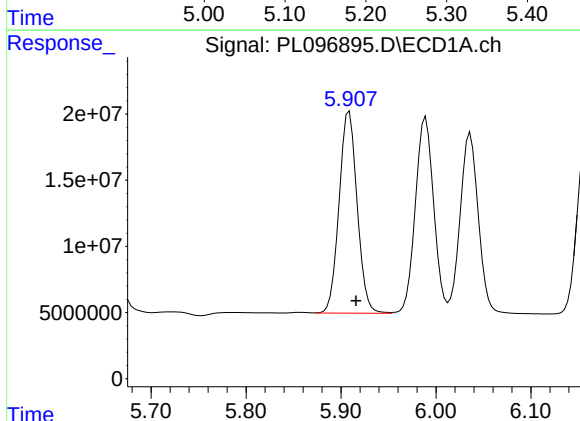
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



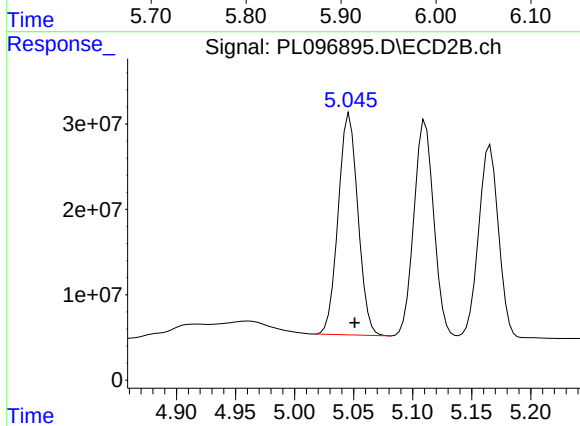
#9 Endosulfan I

R.T.: 5.166 min
Delta R.T.: -0.003 min
Response: 264144465
Conc: 47.75 ng/ml



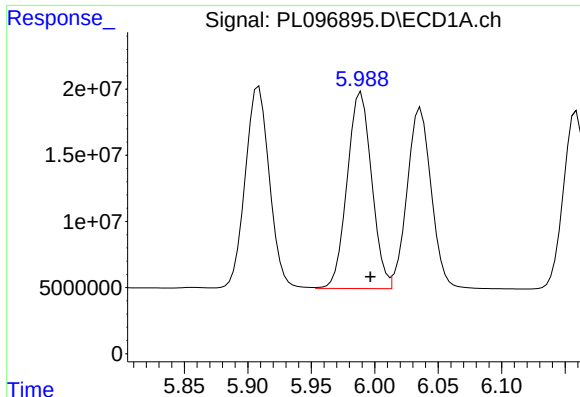
#10 gamma-Chlordane

R.T.: 5.909 min
Delta R.T.: -0.007 min
Response: 202067468
Conc: 53.10 ng/ml



#10 gamma-Chlordane

R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 301620074
Conc: 51.29 ng/ml



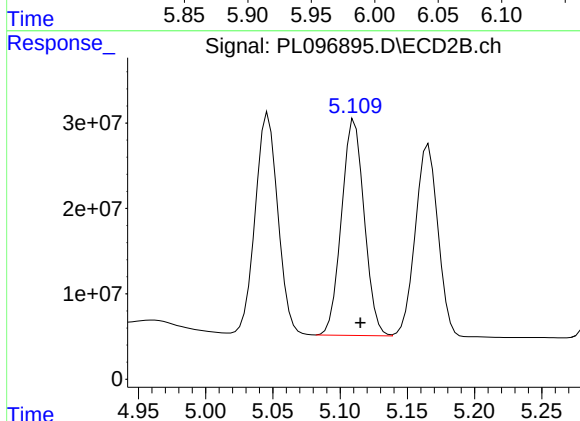
#11 alpha-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.007 min
Response: 199357818
Conc: 51.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

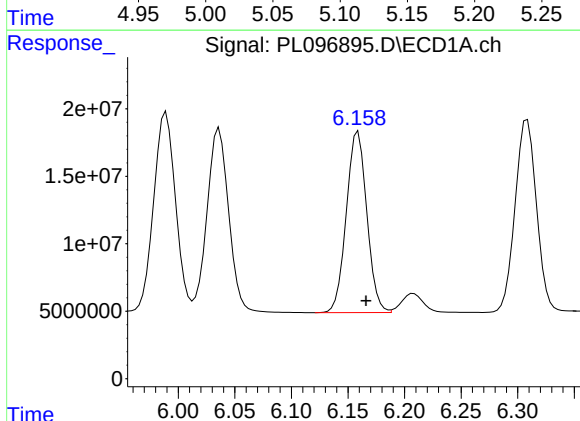
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



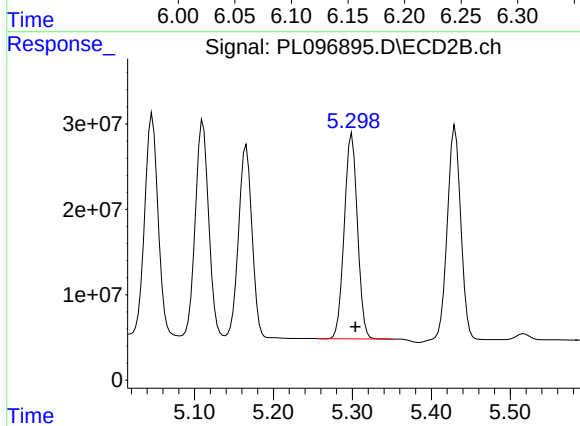
#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 296330669
Conc: 50.23 ng/ml



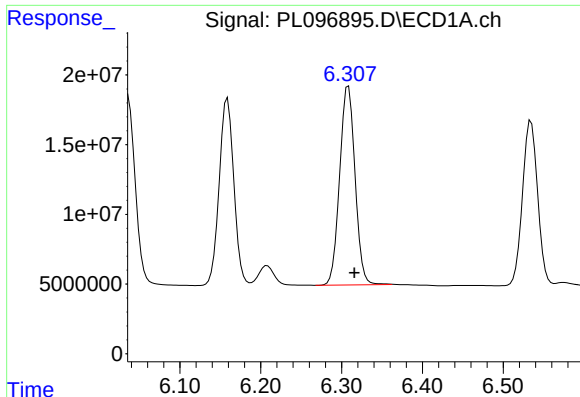
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 169383678
Conc: 52.75 ng/ml



#12 4,4'-DDE

R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 279125638
Conc: 50.62 ng/ml



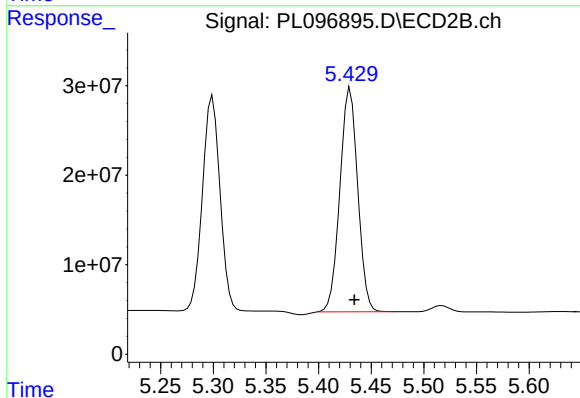
#13 Dieldrin

R.T.: 6.307 min
Delta R.T.: -0.009 min
Response: 188785773
Conc: 50.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

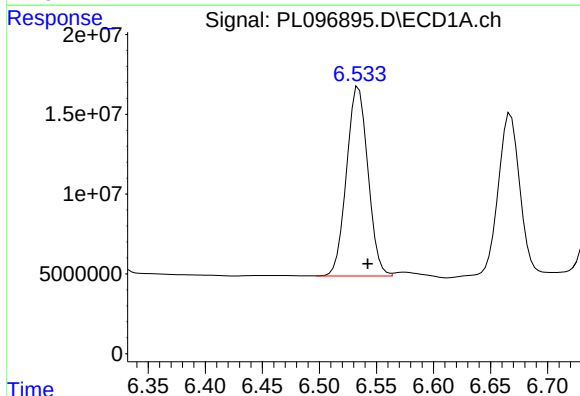
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



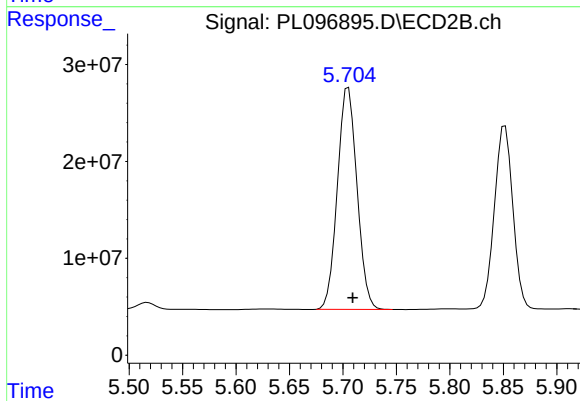
#13 Dieldrin

R.T.: 5.429 min
Delta R.T.: -0.005 min
Response: 295900782
Conc: 50.10 ng/ml



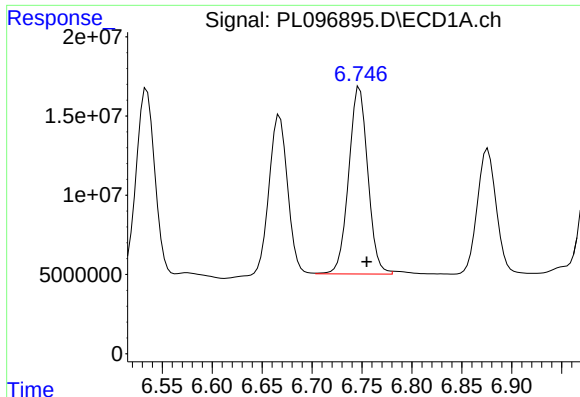
#14 Endrin

R.T.: 6.533 min
Delta R.T.: -0.009 min
Response: 154831281
Conc: 51.15 ng/ml



#14 Endrin

R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 292405513
Conc: 54.09 ng/ml



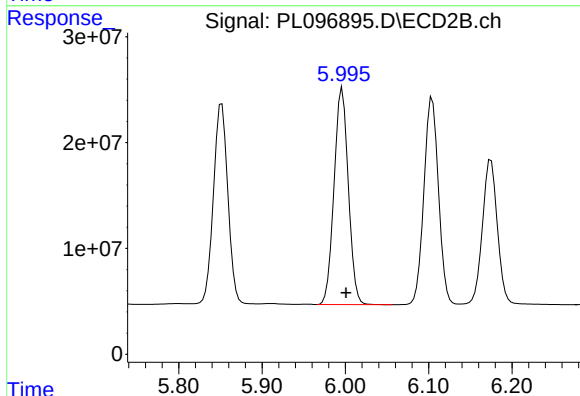
#15 Endosulfan II

R.T.: 6.746 min
Delta R.T.: -0.009 min
Response: 157162063
Conc: 49.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

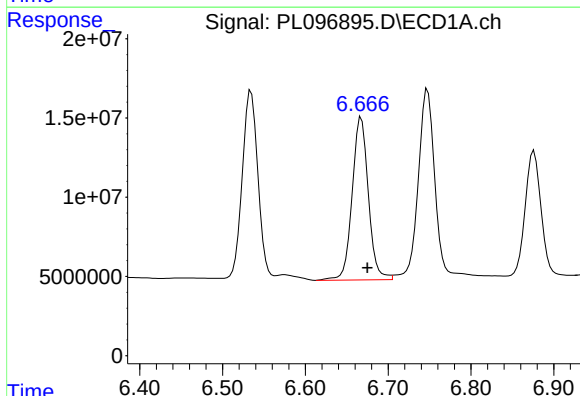
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



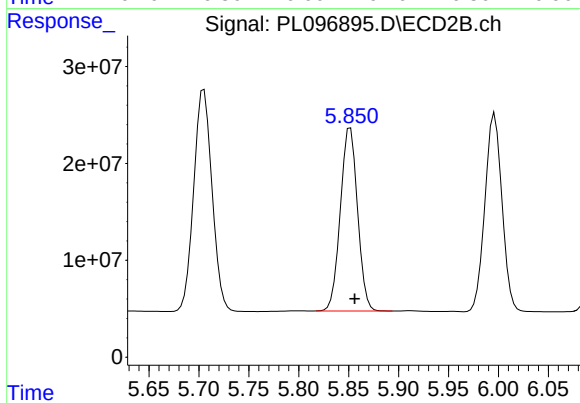
#15 Endosulfan II

R.T.: 5.996 min
Delta R.T.: -0.005 min
Response: 243816346
Conc: 47.47 ng/ml



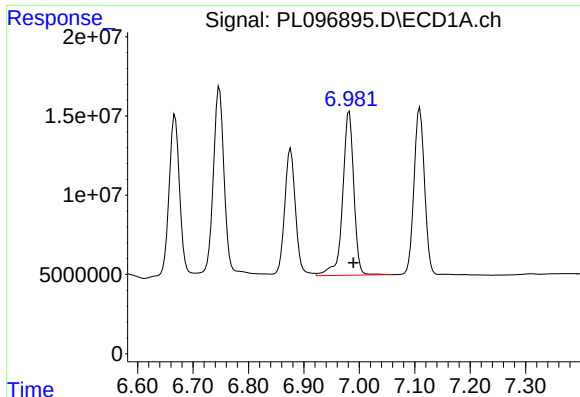
#16 4,4'-DDD

R.T.: 6.667 min
Delta R.T.: -0.007 min
Response: 139662064
Conc: 55.24 ng/ml



#16 4,4'-DDD

R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 226463624
Conc: 48.13 ng/ml



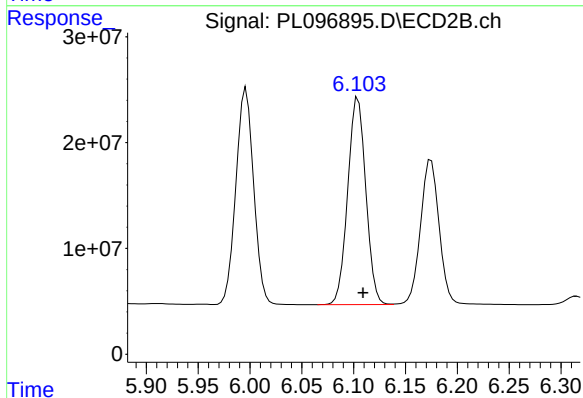
#17 4,4'-DDT

R.T.: 6.982 min
Delta R.T.: -0.007 min
Response: 145297902
Conc: 50.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

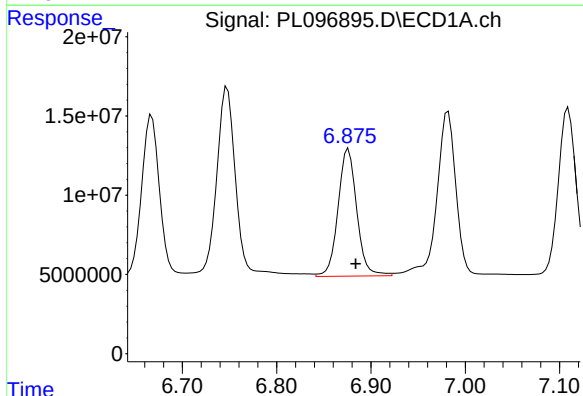
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



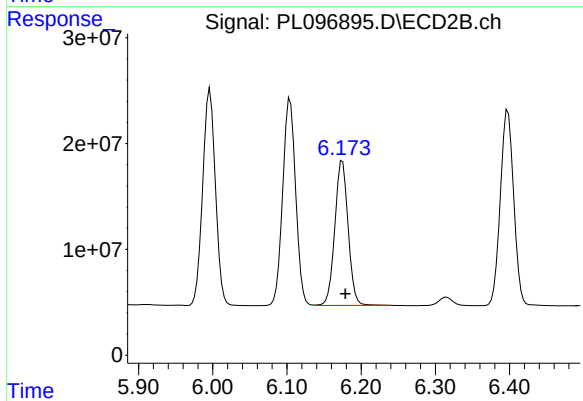
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 237908619
Conc: 47.03 ng/ml



#18 Endrin aldehyde

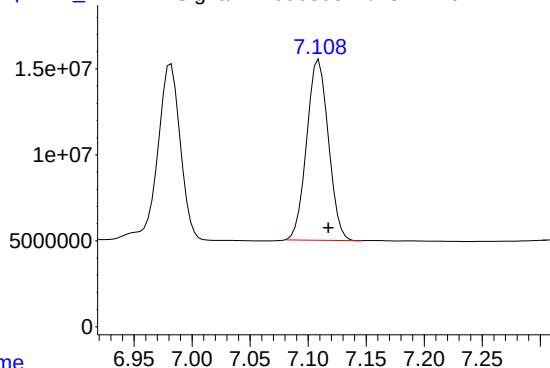
R.T.: 6.876 min
Delta R.T.: -0.008 min
Response: 111101669
Conc: 51.77 ng/ml



#18 Endrin aldehyde

R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 171006400
Conc: 47.04 ng/ml

Response_ Signal: PL096895.D\ECD1A.ch



#19 Endosulfan Sulfate

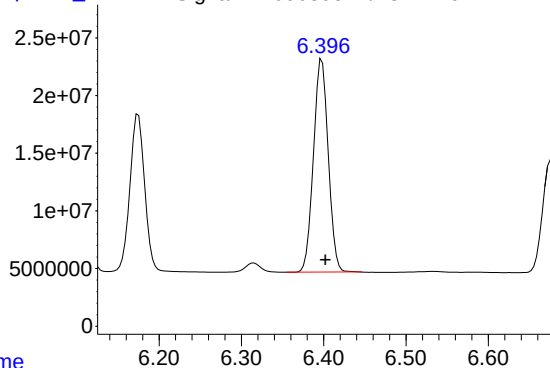
R.T.: 7.109 min
Delta R.T.: -0.008 min
Response: 136737595
Conc: 47.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

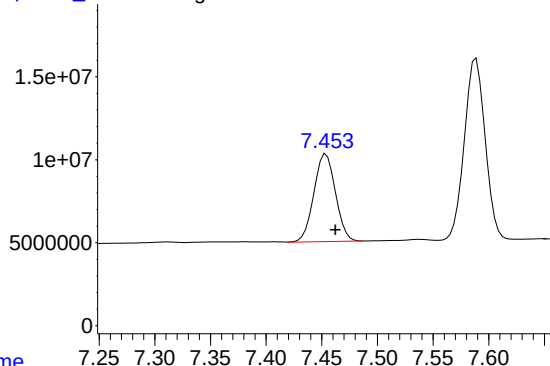
Time Response_ Signal: PL096895.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 231295806
Conc: 45.48 ng/ml

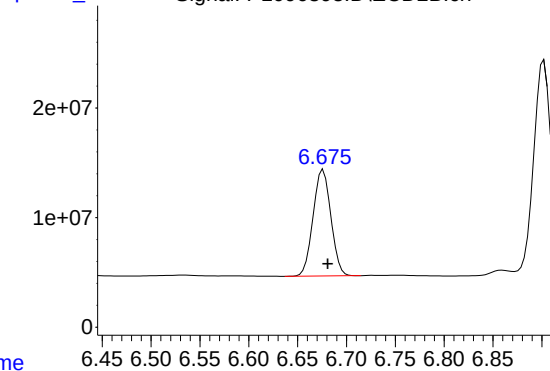
Time Response_ Signal: PL096895.D\ECD1A.ch



#20 Methoxychlor

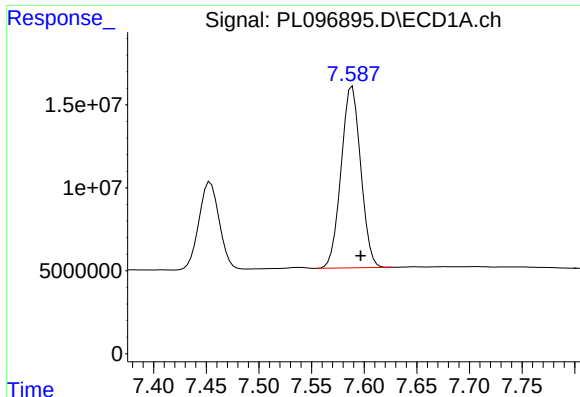
R.T.: 7.452 min
Delta R.T.: -0.010 min
Response: 71029000
Conc: 48.37 ng/ml m

Time Response_ Signal: PL096895.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.675 min
Delta R.T.: -0.006 min
Response: 123034288
Conc: 44.89 ng/ml m



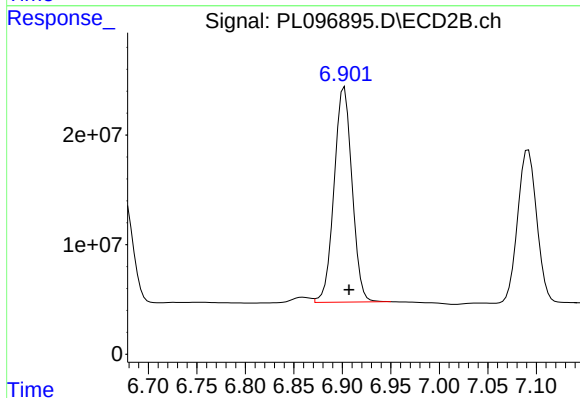
#21 Endrin ketone

R.T.: 7.589 min
Delta R.T.: -0.008 min
Response: 142254625
Conc: 47.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

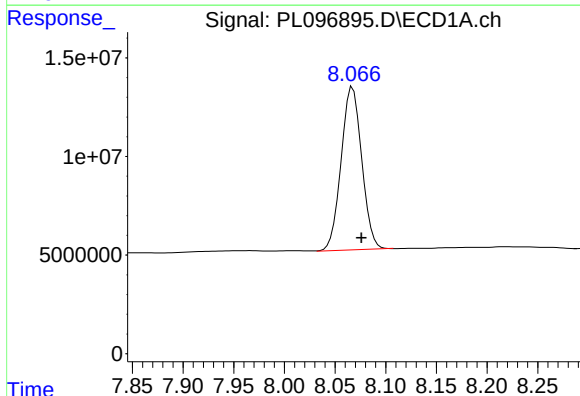
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



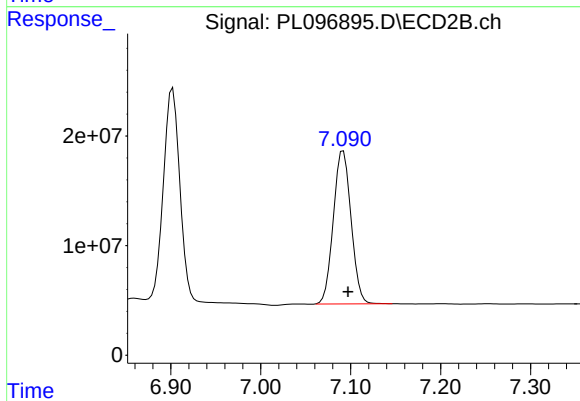
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 252468589
Conc: 45.33 ng/ml



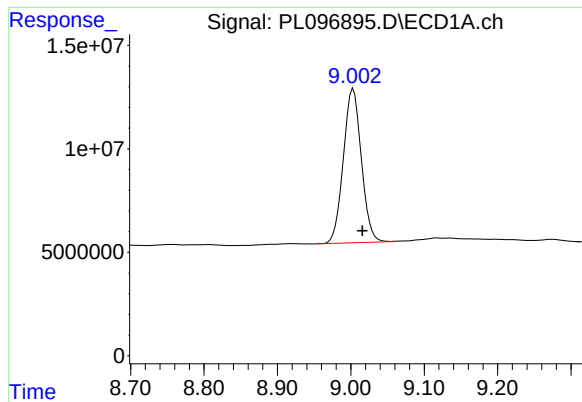
#22 Mirex

R.T.: 8.066 min
Delta R.T.: -0.010 min
Response: 116589262
Conc: 47.02 ng/ml m



#22 Mirex

R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 191414963
Conc: 43.89 ng/ml



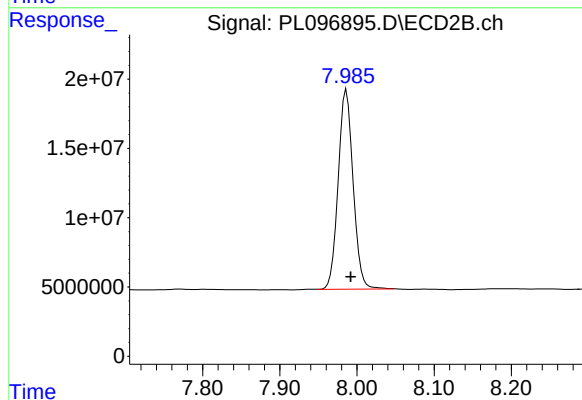
#28 Decachlorobiphenyl

R.T.: 9.002 min
Delta R.T.: -0.014 min
Response: 126904413
Conc: 53.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



#28 Decachlorobiphenyl

R.T.: 7.985 min
Delta R.T.: -0.007 min
Response: 194287510
Conc: 44.78 ng/ml m

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 07/28/2025 07/28/2025

Client Sample No. (PEM): PEM - PL096594.D Date Analyzed: 07/28/2025

Lab Sample No.(PEM): PEM Time Analyzed: 16:25

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.017	8.920	9.120	21.270	20.000	6.4
Tetrachloro-m-xylene	3.535	3.480	3.590	20.960	20.000	4.8
alpha-BHC	3.983	3.930	4.030	10.440	10.000	4.4
beta-BHC	4.498	4.450	4.550	10.520	10.000	5.2
gamma-BHC (Lindane)	4.311	4.260	4.360	10.550	10.000	5.5
Endrin	6.543	6.470	6.610	54.020	50.000	8.0
4,4'-DDT	6.990	6.920	7.060	109.500	100.000	9.5
Methoxychlor	7.463	7.390	7.530	267.200	250.000	6.9

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 07/28/2025 07/28/2025

Client Sample No. (PEM): PEM - PL096594.D Date Analyzed: 07/28/2025

Lab Sample No.(PEM): PEM Time Analyzed: 16:25

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.992	7.890	8.090	20.870	20.000	4.4
Tetrachloro-m-xylene	2.828	2.780	2.880	20.780	20.000	3.9
alpha-BHC	3.333	3.280	3.380	10.270	10.000	2.7
beta-BHC	3.962	3.910	4.010	10.840	10.000	8.4
gamma-BHC (Lindane)	3.666	3.620	3.720	10.440	10.000	4.4
Endrin	5.710	5.640	5.780	53.630	50.000	7.3
4,4'-DDT	6.109	6.040	6.180	111.210	100.000	11.2
Methoxychlor	6.682	6.610	6.750	253.290	250.000	1.3

Data File: PEM
 PL096594.D Date Acquired 7/28/2025 16:25
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.54	163494961.3	167390237.3	3895275.98	2.33
Endrin aldehyde	6.89	1570507.515			
Endrin ketone	7.60	2324768.467			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.71	289935231	306295121.7	16359890.7	5.34
Endrin aldehyde #2	6.18	12998852.66			
Endrin ketone #2	6.91	3361038.042			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	6.99	314003595.7	315320131.5	1316535.88	0.42
4,4'-DDE	0.00	0			
4,4'-DDD	6.68	1316535.881			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.11	562525716.3	564144685.1	1618968.83	0.29
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.86	1618968.831			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
 Data File : PL096594.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 16:25
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/29/2025
 Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 29 08:57:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:58:13 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...	3.535	2.828	66676938	99261210	20.962	20.776
28)	SA Decachlor...	9.017	7.992	50725219	90556842	21.271	20.874
Target Compounds							
2)	A alpha-BHC	3.983	3.333	48281852	72680702	10.436	10.270
3)	MA gamma-BHC...	4.311	3.666	46672698	68921884	10.551	10.437
6)	B beta-BHC	4.498	3.962	18987747	30564619	10.520	10.835
14)	MA Endrin	6.543	5.710	163.5E6	289.9E6	54.016	53.632
16)	A 4,4'-DDD	6.677	5.858	1316536	1618969	0.521m	0.344m#
17)	MA 4,4'-DDT	6.990	6.109	314.0E6	562.5E6	109.497	111.208
18)	B Endrin al...	6.888	6.180	1570508	12998853	0.732m	0.219 #
20)	A Methoxychlor	7.463	6.682	392.3E6	694.1E6	267.202	253.290
21)	B Endrin ke...	7.598	6.905	2324768	3361038	0.773m	0.603m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:25
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

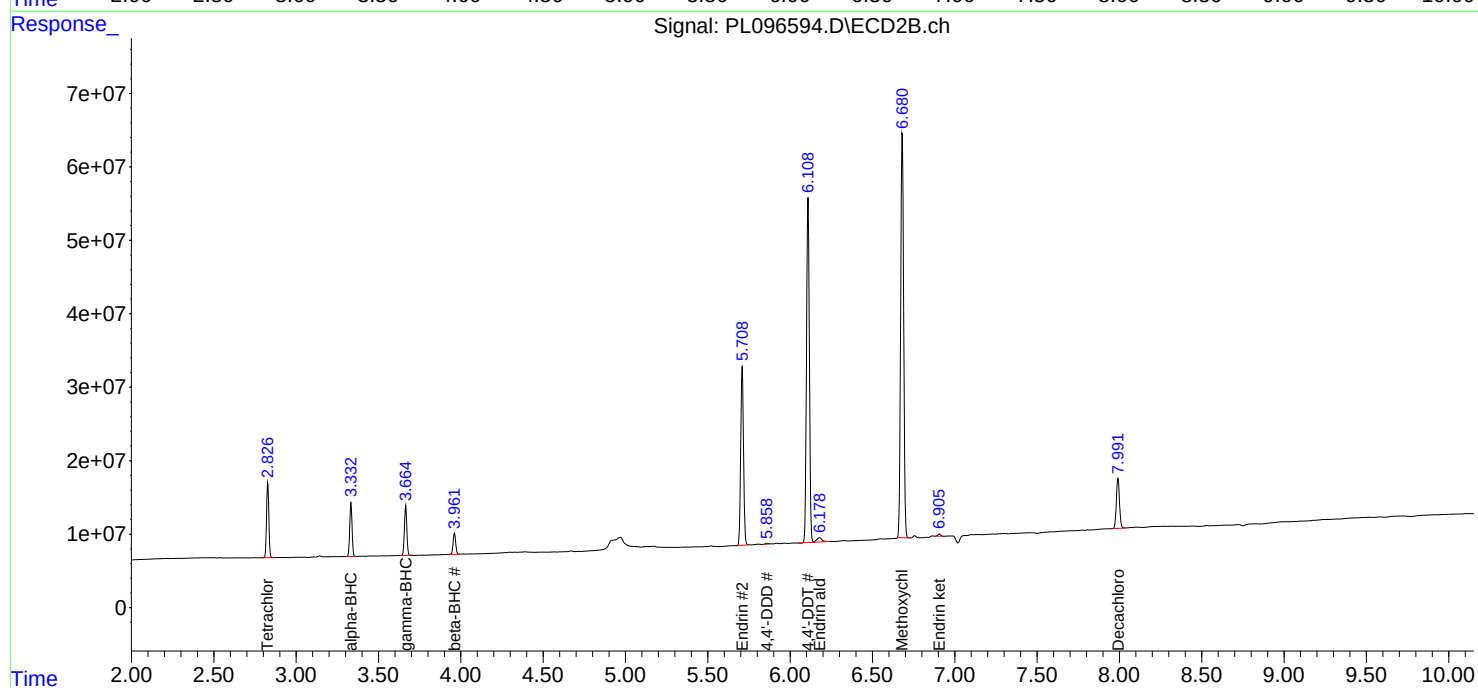
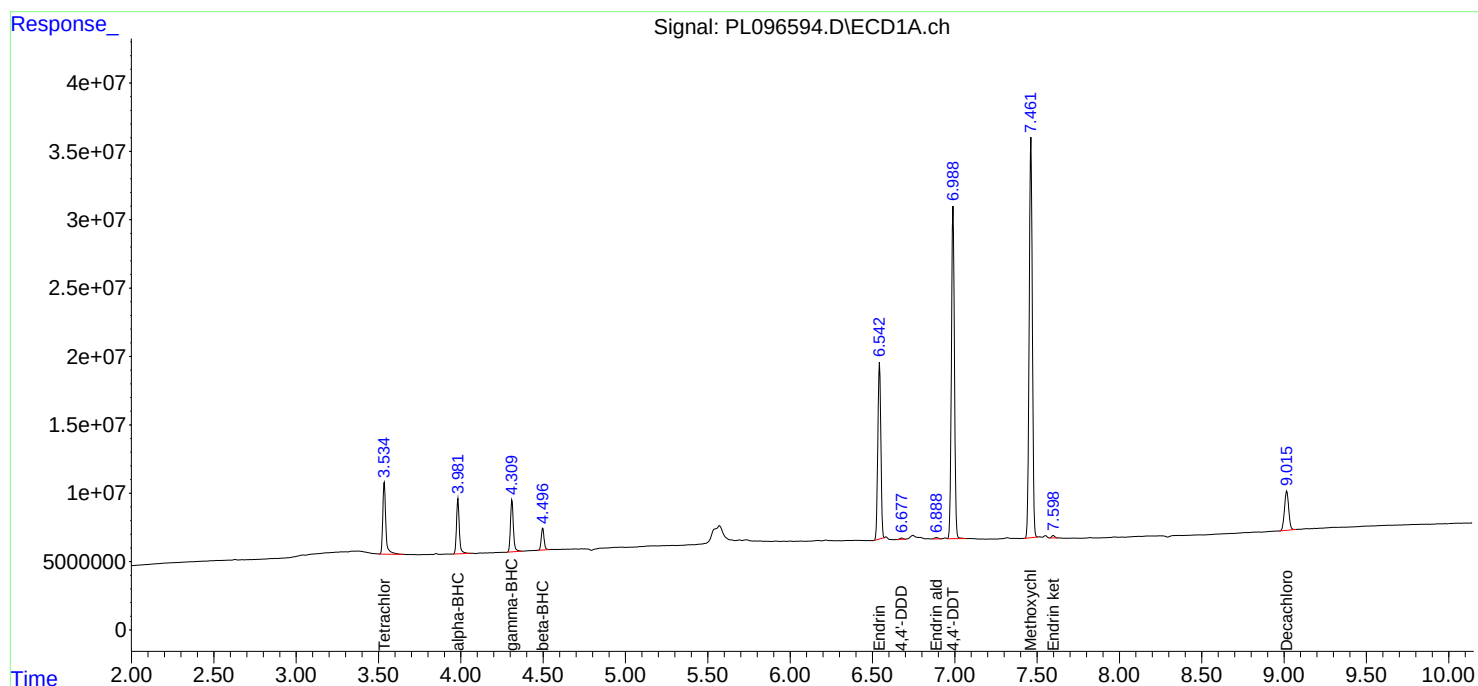
Instrument :
ECD_L
ClientSampleId :
PEM

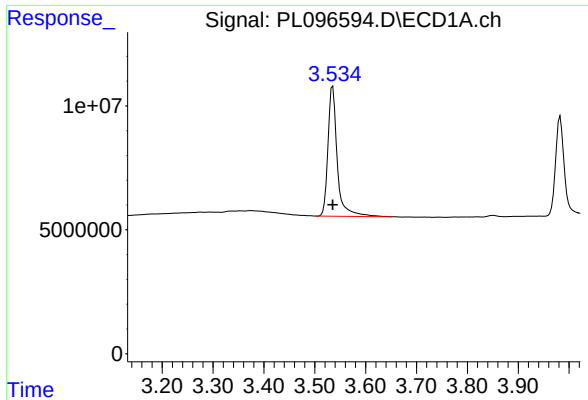
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/29/2025
Supervised By : mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:57:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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





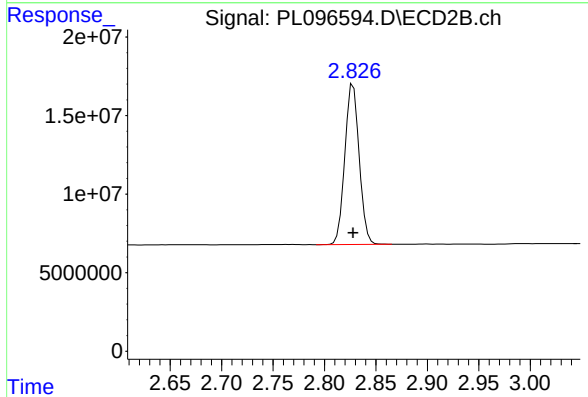
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 66676938
Conc: 20.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

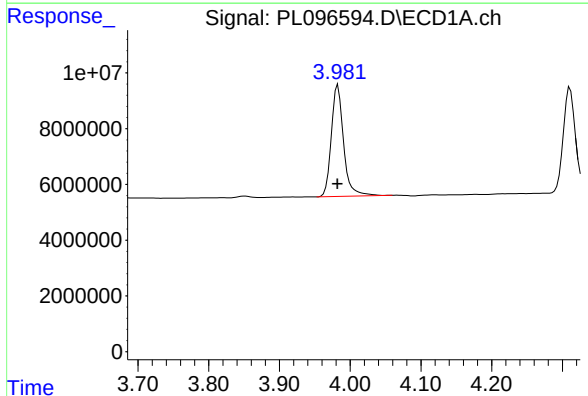
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



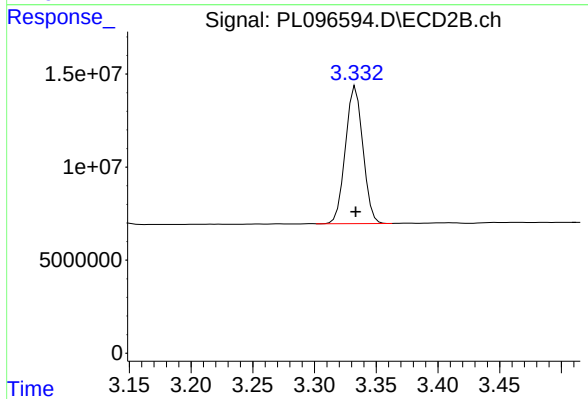
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 99261210
Conc: 20.78 ng/ml



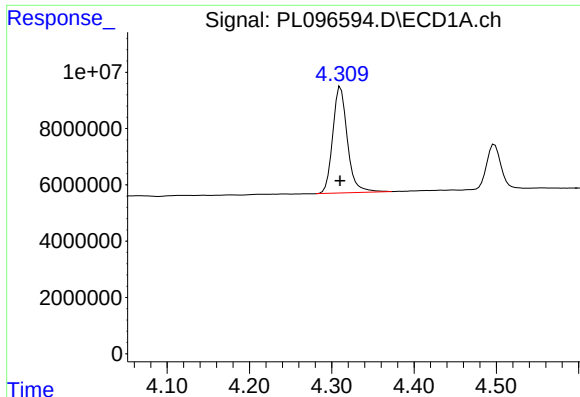
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 48281852
Conc: 10.44 ng/ml



#2 alpha-BHC

R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 72680702
Conc: 10.27 ng/ml



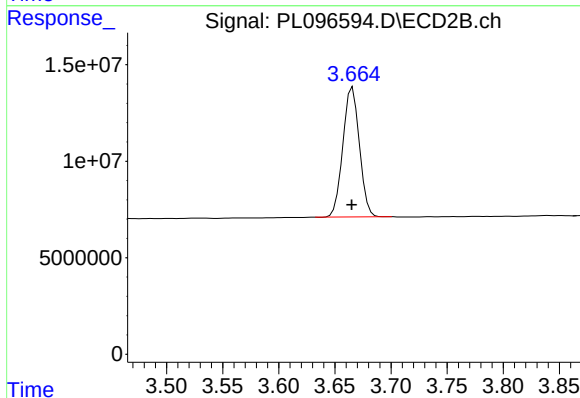
#3 gamma-BHC (Lindane)

R.T.: 4.311 min
Delta R.T.: 0.000 min
Response: 46672698
Conc: 10.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

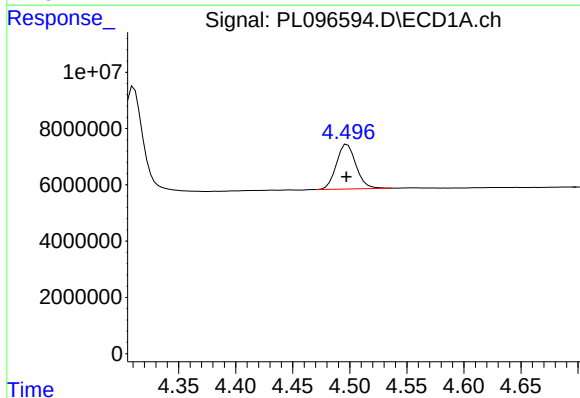
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



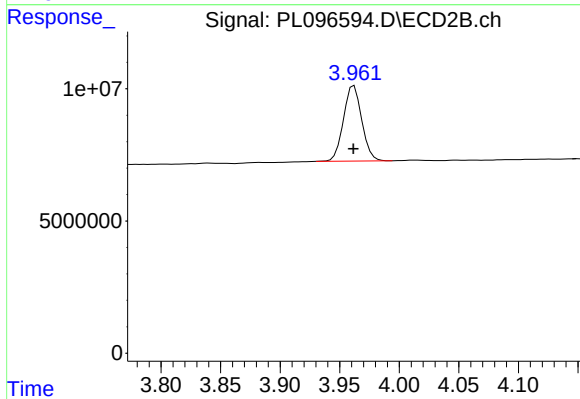
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 68921884
Conc: 10.44 ng/ml



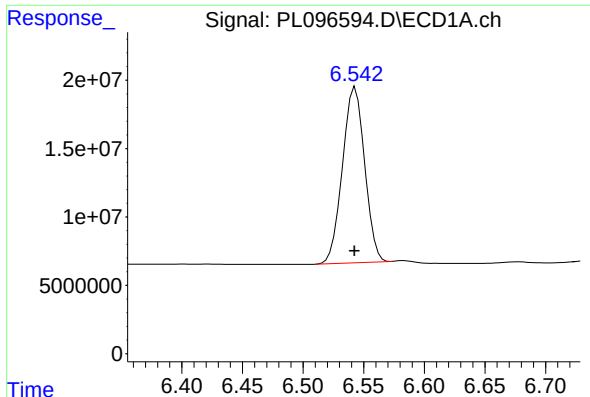
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 18987747
Conc: 10.52 ng/ml



#6 beta-BHC

R.T.: 3.962 min
Delta R.T.: 0.000 min
Response: 30564619
Conc: 10.84 ng/ml



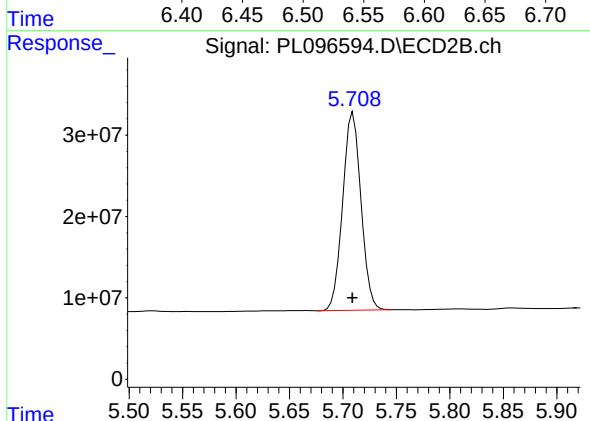
#14 Endrin

R.T.: 6.543 min
Delta R.T.: 0.000 min
Response: 163494961
Conc: 54.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

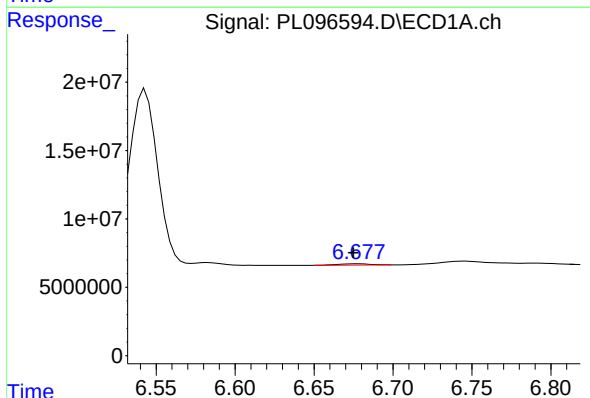
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



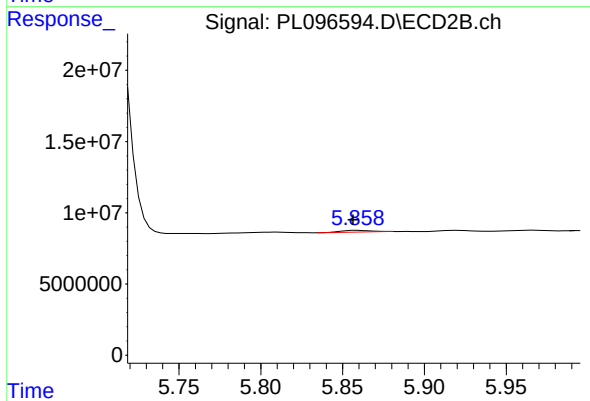
#14 Endrin

R.T.: 5.710 min
Delta R.T.: 0.000 min
Response: 289935231
Conc: 53.63 ng/ml



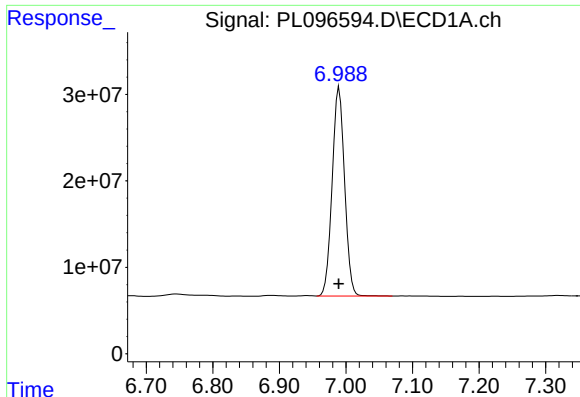
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.002 min
Response: 1316536
Conc: 0.52 ng/ml m



#16 4,4'-DDD

R.T.: 5.858 min
Delta R.T.: 0.001 min
Response: 1618969
Conc: 0.34 ng/ml m



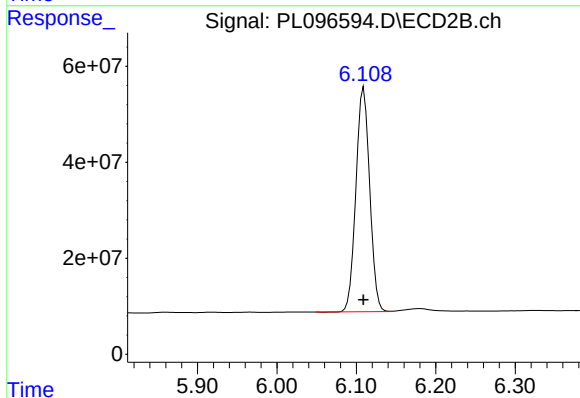
#17 4,4'-DDT

R.T.: 6.990 min
Delta R.T.: 0.000 min
Response: 314003596
Conc: 109.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

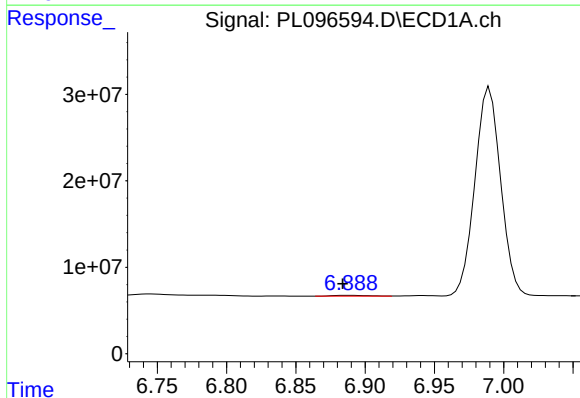
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



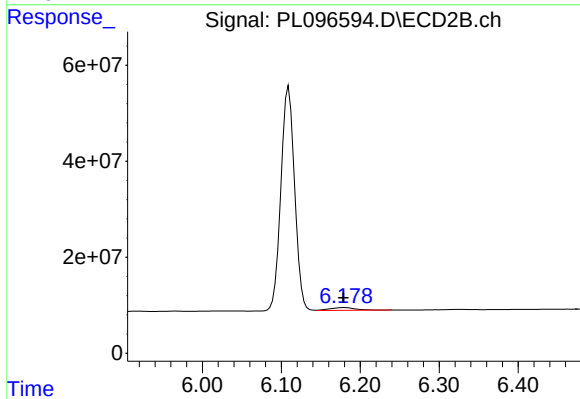
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 562525716
Conc: 111.21 ng/ml



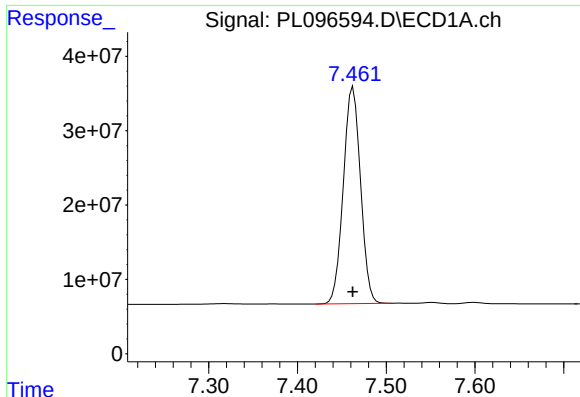
#18 Endrin aldehyde

R.T.: 6.888 min
Delta R.T.: 0.004 min
Response: 1570508
Conc: 0.73 ng/ml m



#18 Endrin aldehyde

R.T.: 6.180 min
Delta R.T.: 0.001 min
Response: 12998853
Conc: 0.22 ng/ml



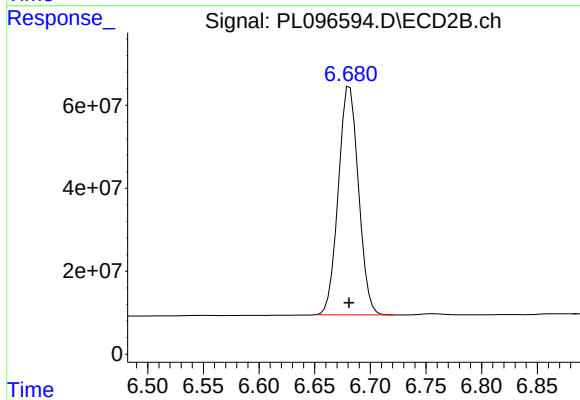
#20 Methoxychlor

R.T.: 7.463 min
Delta R.T.: 0.000 min
Response: 392347777
Conc: 267.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

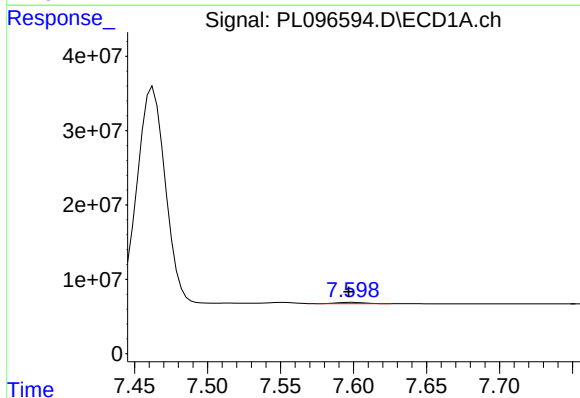
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



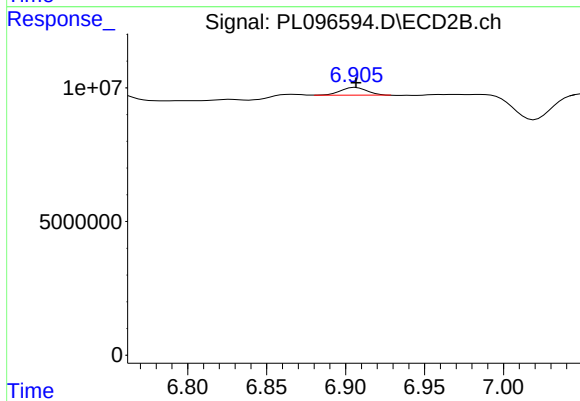
#20 Methoxychlor

R.T.: 6.682 min
Delta R.T.: 0.000 min
Response: 694139453
Conc: 253.29 ng/ml



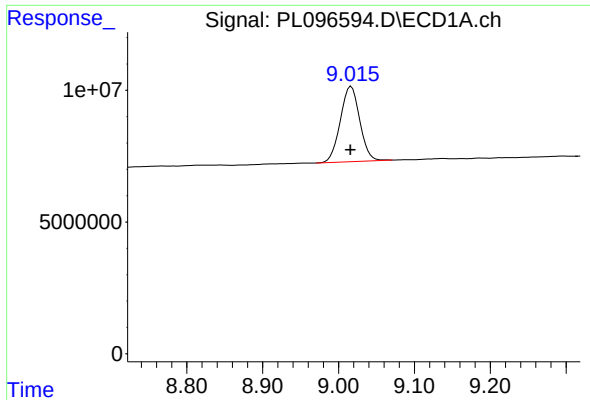
#21 Endrin ketone

R.T.: 7.598 min
Delta R.T.: 0.000 min
Response: 2324768
Conc: 0.77 ng/ml m



#21 Endrin ketone

R.T.: 6.905 min
Delta R.T.: -0.001 min
Response: 3361038
Conc: 0.60 ng/ml m



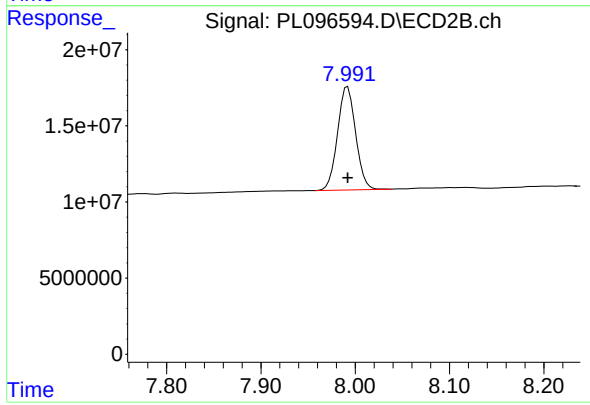
#28 Decachlorobiphenyl

R.T.: 9.017 min
Delta R.T.: 0.000 min
Response: 50725219
Conc: 21.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 90556842
Conc: 20.87 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 07/28/2025 07/28/2025

Client Sample No. (PEM): PEM - PL096844.D Date Analyzed: 08/18/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:26

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.006	8.910	9.110	22.690	20.000	13.5
Tetrachloro-m-xylene	3.531	3.480	3.580	23.150	20.000	15.8
alpha-BHC	3.976	3.930	4.030	11.470	10.000	14.7
beta-BHC	4.491	4.440	4.540	12.270	10.000	22.7
gamma-BHC (Lindane)	4.304	4.250	4.350	11.570	10.000	15.7
Endrin	6.535	6.460	6.610	56.720	50.000	13.4
4,4'-DDT	6.983	6.910	7.050	107.520	100.000	7.5
Methoxychlor	7.455	7.380	7.530	255.160	250.000	2.1

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 07/28/2025 07/28/2025

Client Sample No. (PEM): PEM - PL096844.D Date Analyzed: 08/18/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:26

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.987	7.890	8.090	21.760	20.000	8.8
Tetrachloro-m-xylene	2.825	2.770	2.880	21.850	20.000	9.3
alpha-BHC	3.330	3.280	3.380	10.540	10.000	5.4
beta-BHC	3.958	3.910	4.010	11.590	10.000	15.9
gamma-BHC (Lindane)	3.662	3.610	3.710	10.710	10.000	7.1
Endrin	5.705	5.630	5.780	50.230	50.000	0.5
4,4'-DDT	6.105	6.030	6.180	101.060	100.000	1.1
Methoxychlor	6.676	6.610	6.750	222.840	250.000	-10.9

PEM
 Data File: PL096844.D Date Acquired 8/18/2025 10:26
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.53	171673272.2	184182065.5	12508793.4	6.79
Endrin aldehyde	6.88	3600201.624			
Endrin ketone	7.59	8908591.736			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.71	271542500.1	307658534.2	36116034.2	11.74
Endrin aldehyde #2	6.18	14799157.79			
Endrin ketone #2	6.90	21316876.39			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	6.98	308321781.4	317657653.8	9335872.4	2.94
4,4'-DDE	0.00	0			
4,4'-DDD	6.67	9335872.397			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.10	511212305.6	528753740.4	17541434.8	3.32
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.85	17541434.78			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
 Data File : PL096844.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 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 08/19/2025
 Supervised By : mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 12:38:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.825	73626080	104.4E6	23.147	21.848
28)	SA Decachlor...	9.006	7.987	54106762	94409704	22.690	21.762
Target Compounds							
2)	A alpha-BHC	3.976	3.330	53077849	74616765	11.473m	10.544
3)	MA gamma-BHC...	4.304	3.662	51157442	70745882	11.565m	10.714
6)	B beta-BHC	4.491	3.958	22153696	32707689	12.274m	11.595
14)	MA Endrin	6.535	5.705	171.7E6	271.5E6	56.718m	50.230
16)	A 4,4'-DDD	6.669	5.852	9335872	17541435	3.692	3.728
17)	MA 4,4'-DDT	6.983	6.105	308.3E6	511.2E6	107.516	101.064
18)	B Endrin al...	6.878	6.175	3600202	14799158	1.678m	4.071 #
20)	A Methoxychlor	7.455	6.676	374.7E6	610.7E6	255.163	222.842m
21)	B Endrin ke...	7.590	6.902	8908592	21316876	2.963	3.827 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096844.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 10:26
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

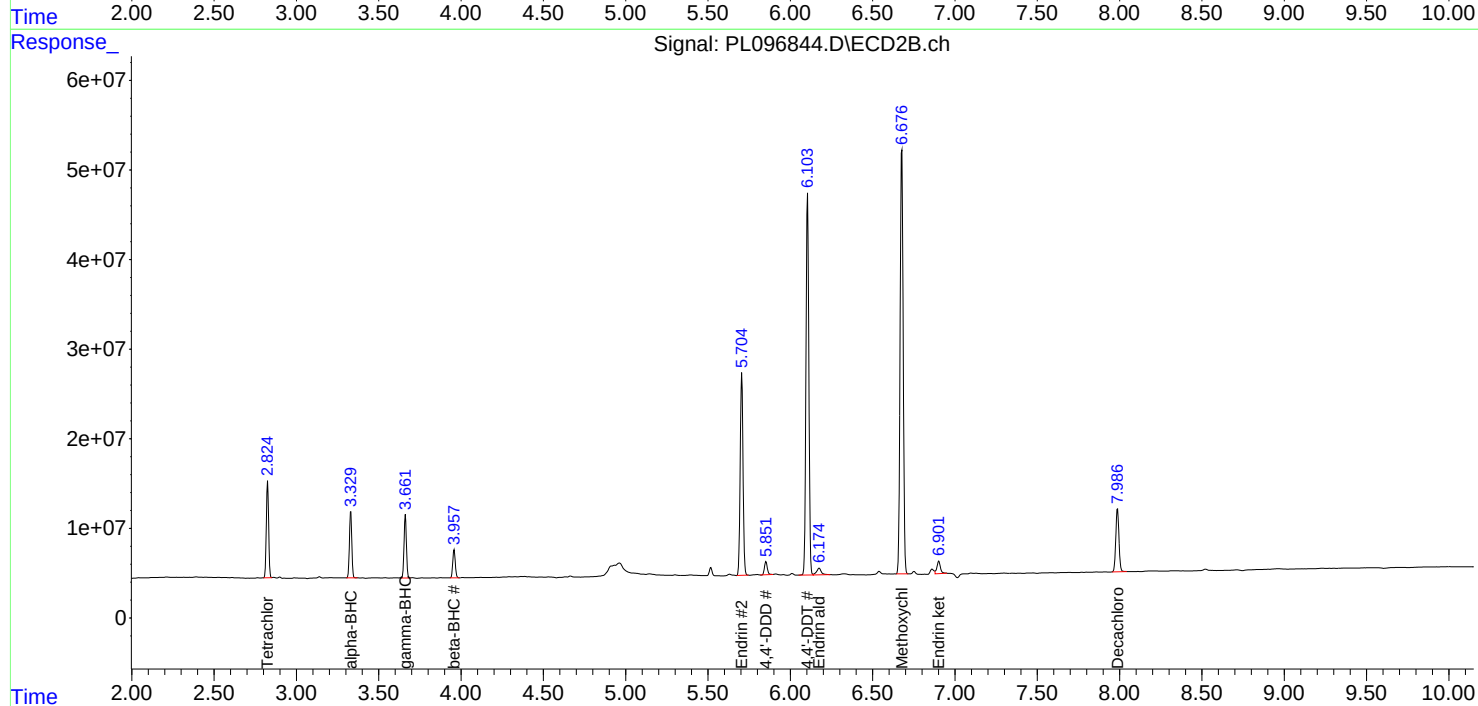
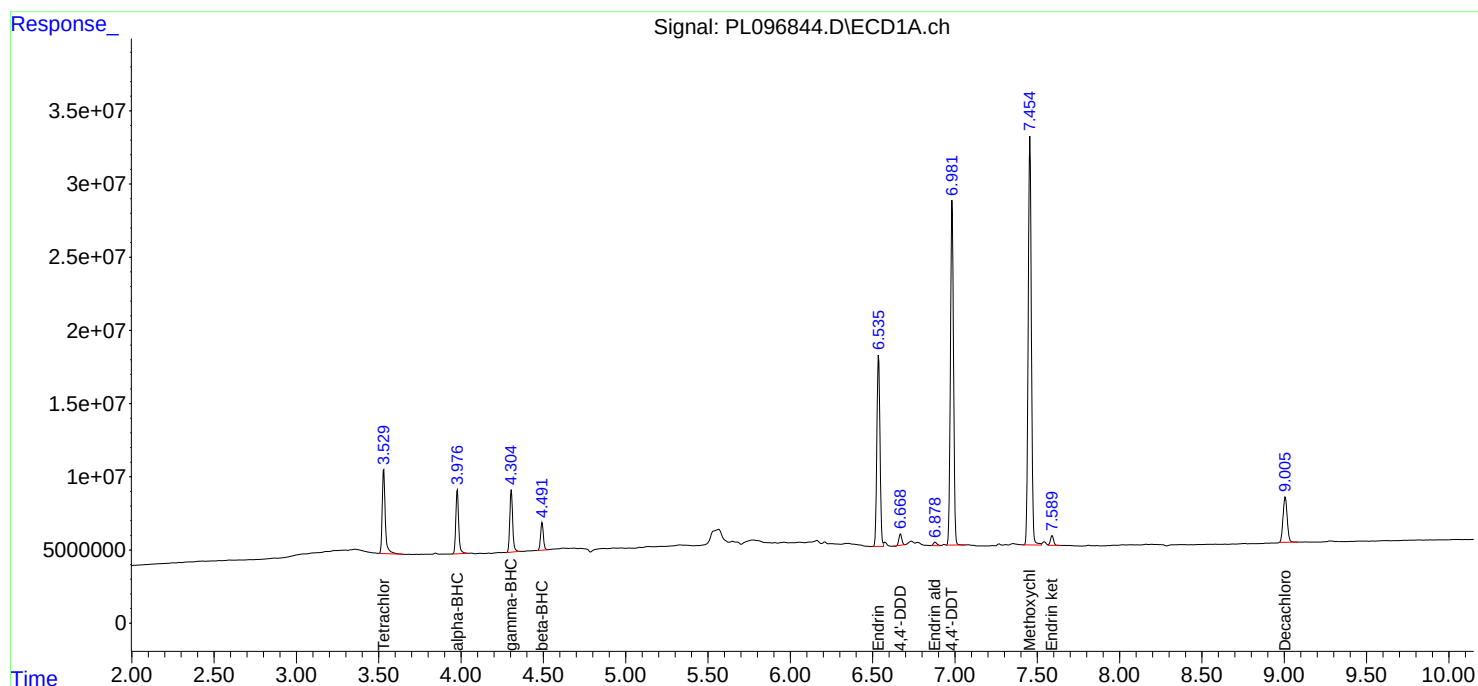
Instrument :
ECD_L
ClientSampleId :
PEM

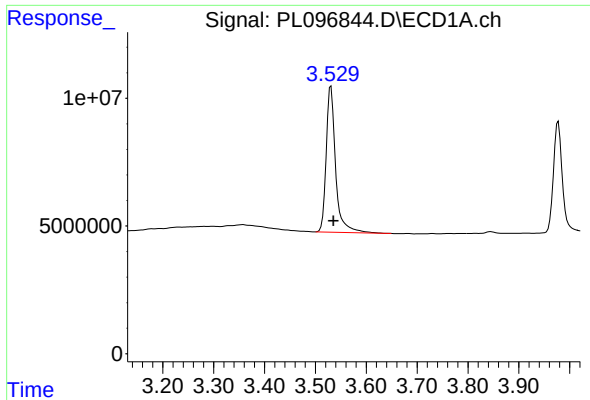
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/19/2025
Supervised By : mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 12:38:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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





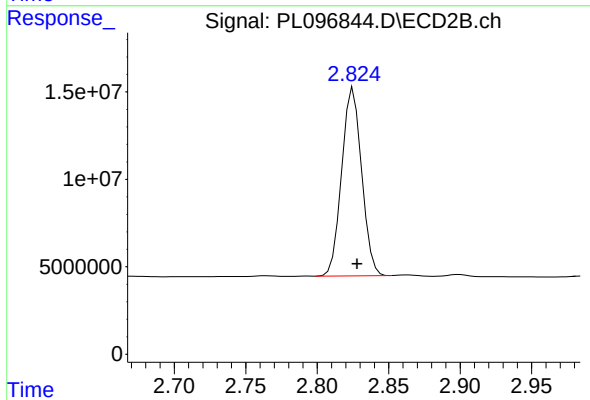
#1 Tetrachloro-m-xylene

R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 73626080
Conc: 23.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

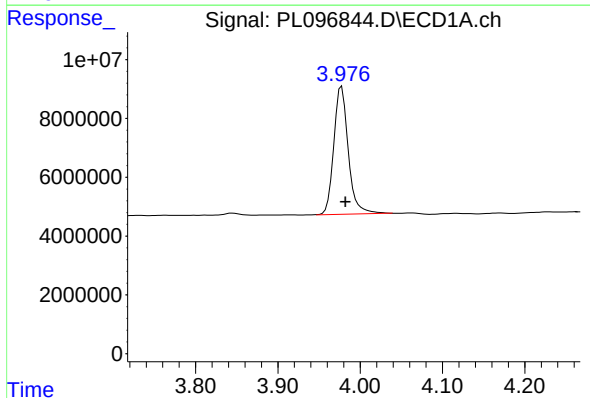
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



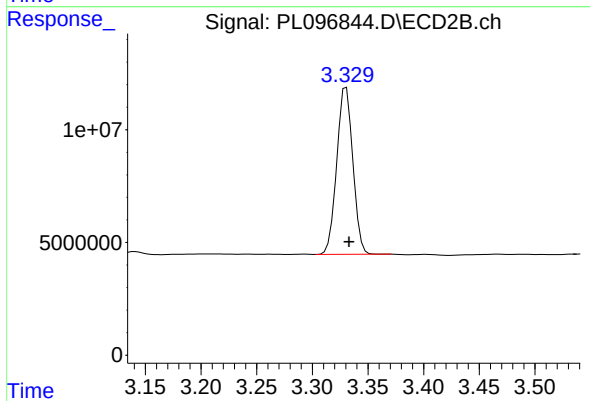
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 104384511
Conc: 21.85 ng/ml



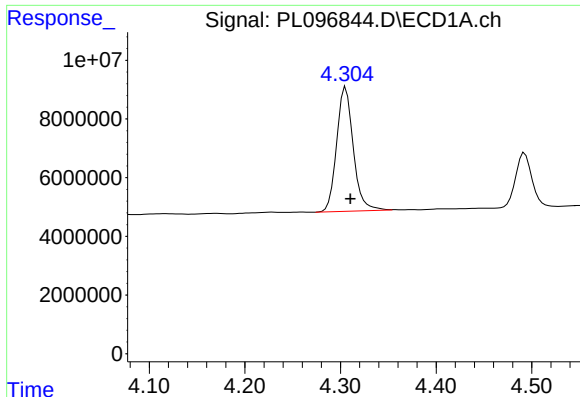
#2 alpha-BHC

R.T.: 3.976 min
Delta R.T.: -0.006 min
Response: 53077849
Conc: 11.47 ng/ml m



#2 alpha-BHC

R.T.: 3.330 min
Delta R.T.: -0.003 min
Response: 74616765
Conc: 10.54 ng/ml



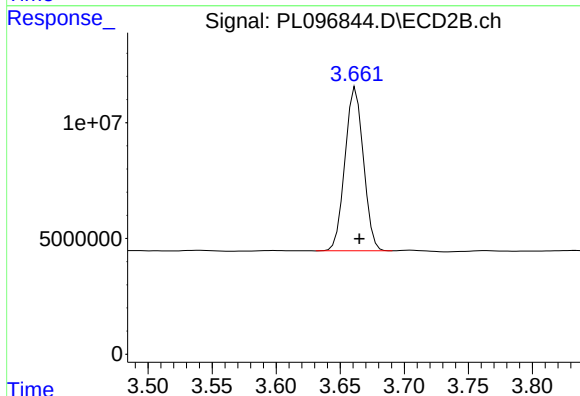
#3 gamma-BHC (Lindane)

R.T.: 4.304 min
Delta R.T.: -0.006 min
Response: 51157442
Conc: 11.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

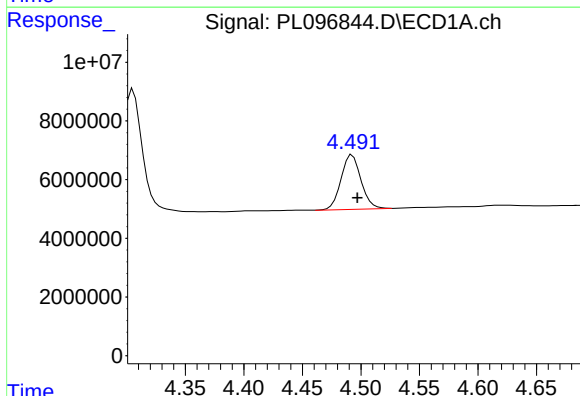
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



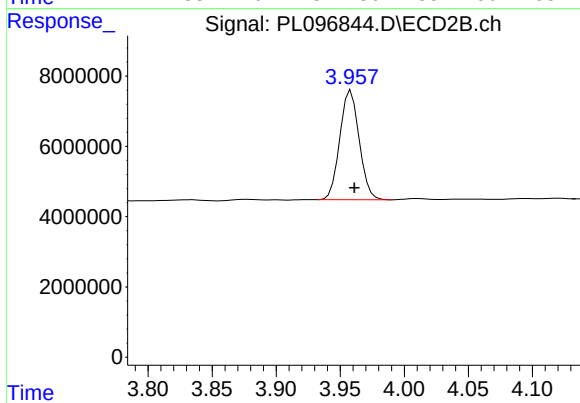
#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: -0.003 min
Response: 70745882
Conc: 10.71 ng/ml



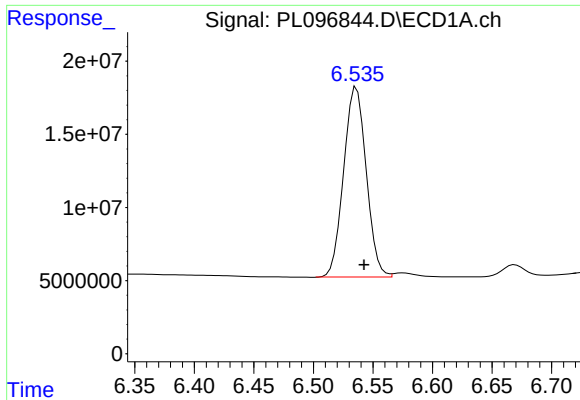
#6 beta-BHC

R.T.: 4.491 min
Delta R.T.: -0.006 min
Response: 22153696
Conc: 12.27 ng/ml m



#6 beta-BHC

R.T.: 3.958 min
Delta R.T.: -0.003 min
Response: 32707689
Conc: 11.59 ng/ml



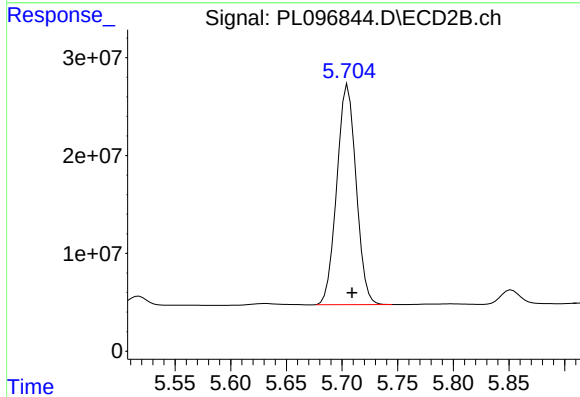
#14 Endrin

R.T.: 6.535 min
Delta R.T.: -0.008 min
Response: 171673272
Conc: 56.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

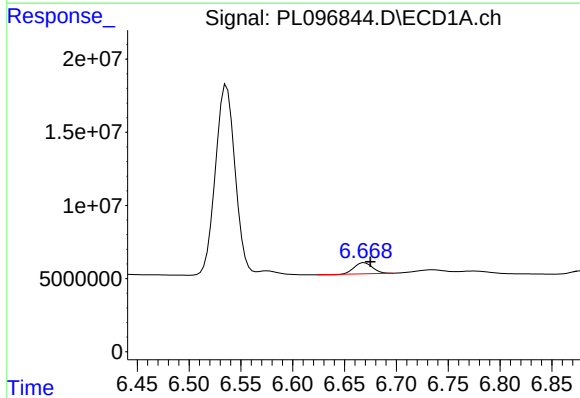
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



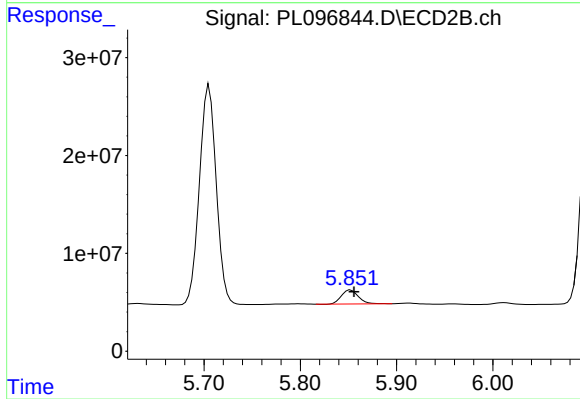
#14 Endrin

R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 271542500
Conc: 50.23 ng/ml



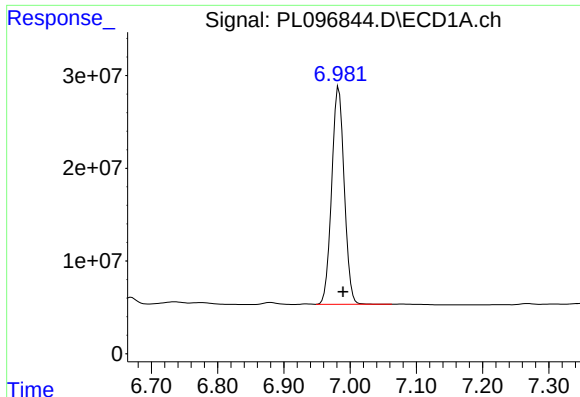
#16 4,4'-DDD

R.T.: 6.669 min
Delta R.T.: -0.006 min
Response: 9335872
Conc: 3.69 ng/ml



#16 4,4'-DDD

R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 17541435
Conc: 3.73 ng/ml



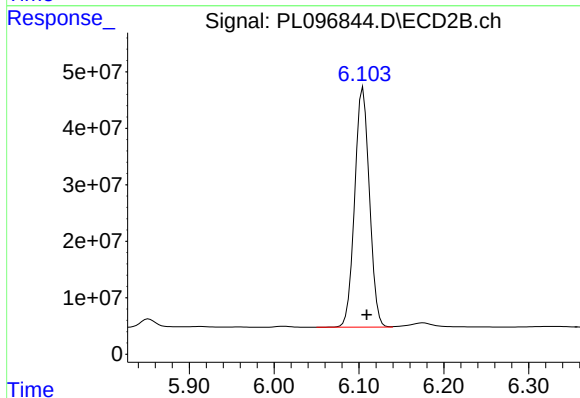
#17 4,4'-DDT

R.T.: 6.983 min
Delta R.T.: -0.006 min
Response: 308321781
Conc: 107.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

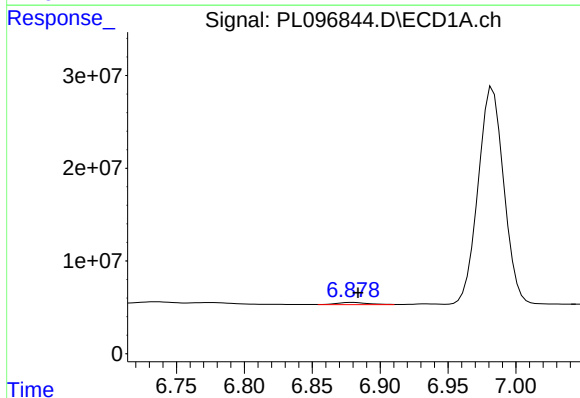
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



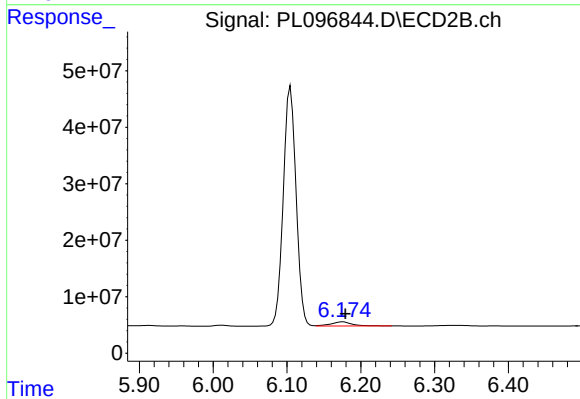
#17 4,4'-DDT

R.T.: 6.105 min
Delta R.T.: -0.004 min
Response: 511212306
Conc: 101.06 ng/ml



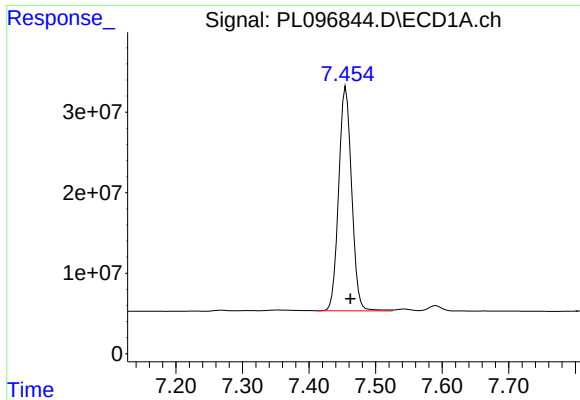
#18 Endrin aldehyde

R.T.: 6.878 min
Delta R.T.: -0.006 min
Response: 3600202
Conc: 1.68 ng/ml m



#18 Endrin aldehyde

R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 14799158
Conc: 4.07 ng/ml



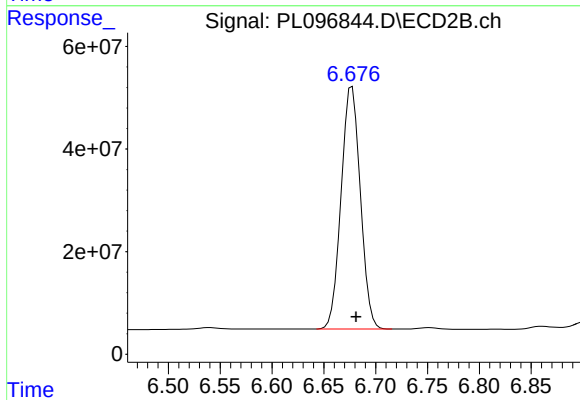
#20 Methoxychlor

R.T.: 7.455 min
Delta R.T.: -0.007 min
Response: 374669518
Conc: 255.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

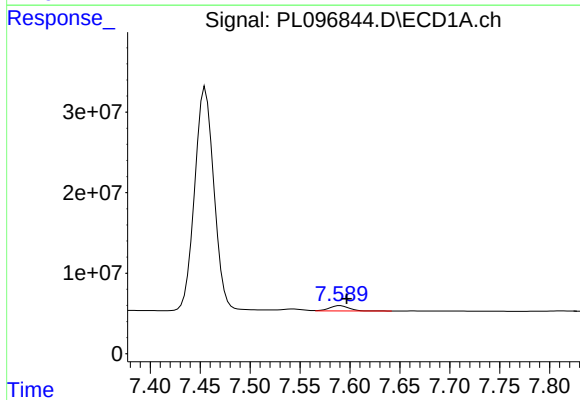
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



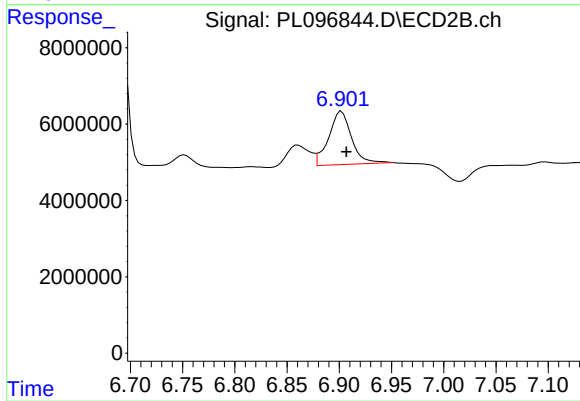
#20 Methoxychlor

R.T.: 6.676 min
Delta R.T.: -0.005 min
Response: 610697036
Conc: 222.84 ng/ml m



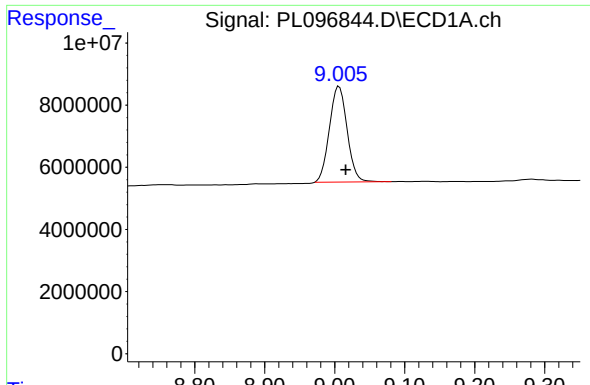
#21 Endrin ketone

R.T.: 7.590 min
Delta R.T.: -0.006 min
Response: 8908592
Conc: 2.96 ng/ml



#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 21316876
Conc: 3.83 ng/ml



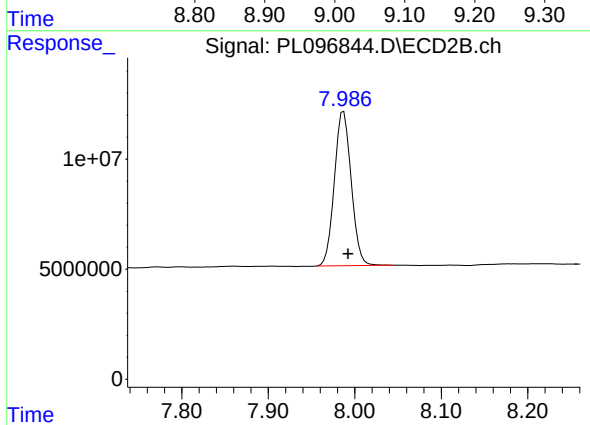
#28 Decachlorobiphenyl

R.T.: 9.006 min
Delta R.T.: -0.009 min
Response: 54106762
Conc: 22.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 94409704
Conc: 21.76 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 07/28/2025 07/28/2025

Client Sample No. (PEM): PEM - PL096882.D Date Analyzed: 08/19/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:28

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.008	8.910	9.110	23.020	20.000	15.1
Tetrachloro-m-xylene	3.530	3.480	3.580	22.640	20.000	13.2
alpha-BHC	3.977	3.930	4.030	10.910	10.000	9.1
beta-BHC	4.492	4.440	4.540	10.940	10.000	9.4
gamma-BHC (Lindane)	4.305	4.250	4.360	11.390	10.000	13.9
Endrin	6.535	6.460	6.610	59.260	50.000	18.5
4,4'-DDT	6.984	6.910	7.050	116.840	100.000	16.8
Methoxychlor	7.457	7.390	7.530	282.050	250.000	12.8

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 07/28/2025 07/28/2025

Client Sample No. (PEM): PEM - PL096882.D Date Analyzed: 08/19/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:28

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.985	7.880	8.090	22.660	20.000	13.3
Tetrachloro-m-xylene	2.823	2.770	2.870	22.780	20.000	13.9
alpha-BHC	3.328	3.280	3.380	10.900	10.000	9.0
beta-BHC	3.957	3.910	4.010	11.770	10.000	17.7
gamma-BHC (Lindane)	3.660	3.610	3.710	10.980	10.000	9.8
Endrin	5.704	5.630	5.770	56.620	50.000	13.2
4,4'-DDT	6.104	6.030	6.170	122.070	100.000	22.1
Methoxychlor	6.675	6.600	6.750	257.510	250.000	3.0

PEM
 Data File: PL096882.D Date Acquired 8/19/2025 10:28
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.54	179370514.9	182661026.4	3290511.45	Down 1.80
Endrin aldehyde	6.89	1613797.602			
Endrin ketone	7.59	1676713.843			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.70	306097286.6	310472181	4374894.38	1.41
Endrin aldehyde #2	6.18	2323213.328			
Endrin ketone #2	6.90	2051681.056			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	6.98	335060848.6	338279469.1	3218620.57	0.95
4,4'-DDE	0.00	0			
4,4'-DDD	6.67	3218620.572			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.10	617484404.3	618141533.1	657128.856	0.11
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.85	657128.856			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
 Data File : PL096882.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 10:28
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/20/2025
 Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 20 10:02:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.530	2.823	72004281	108.8E6	22.637	22.779
28)	SA Decachlor...	9.008	7.985	54884245	98327059	23.016	22.665m
Target Compounds							
2)	A alpha-BHC	3.977	3.328	50457866	77149679	10.907	10.901
3)	MA gamma-BHC...	4.305	3.660	50379247	72520097	11.389	10.982
6)	B beta-BHC	4.492	3.957	19755272	33196244	10.945	11.768
14)	MA Endrin	6.535	5.704	179.4E6	306.1E6	59.261m	56.622
16)	A 4,4'-DDD	6.673	5.853	3218621	657129	1.273m	0.140m#
17)	MA 4,4'-DDT	6.984	6.104	335.1E6	617.5E6	116.840	122.074
18)	B Endrin al...	6.888	6.176	1613798	2323213	0.752m	0.639m
20)	A Methoxychlor	7.457	6.675	414.2E6	705.7E6	282.053	257.506m
21)	B Endrin ke...	7.590	6.900	1676714	2051681	0.558m	0.368m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
Data File : PL096882.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 10:28
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

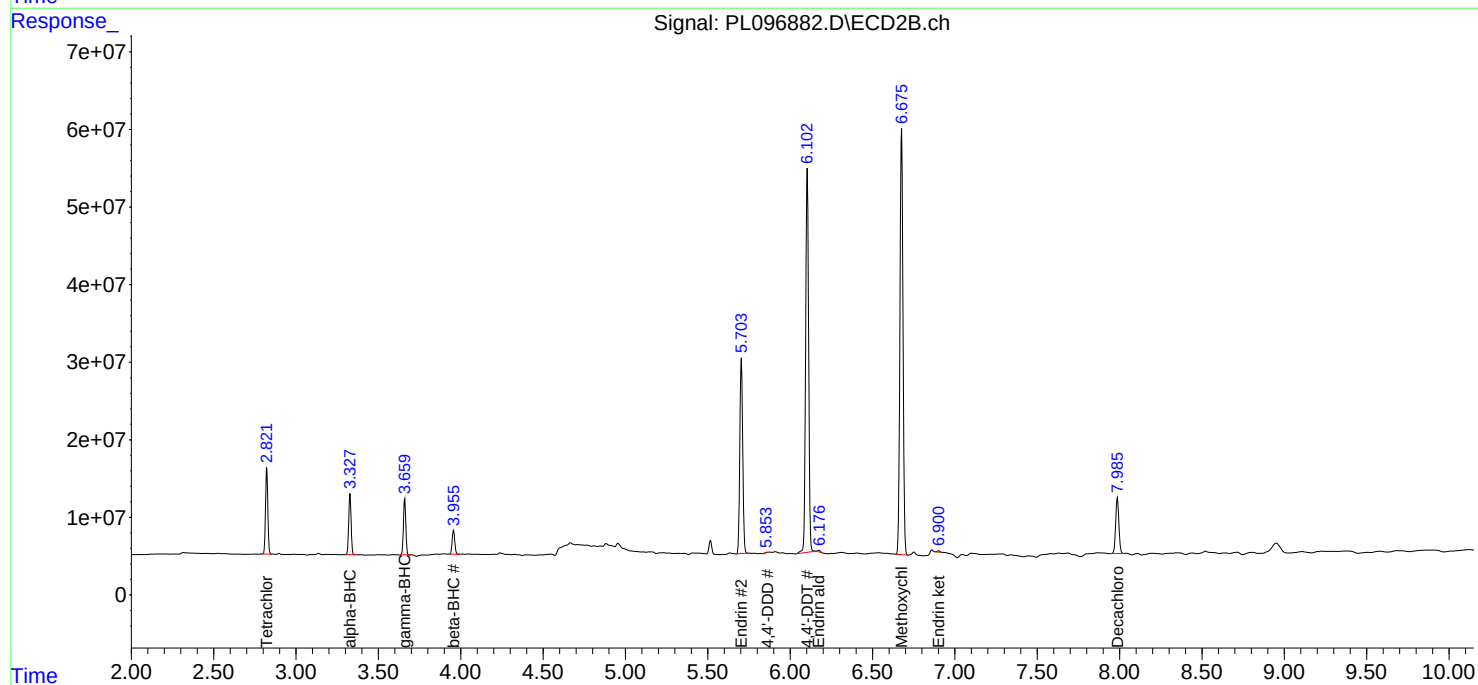
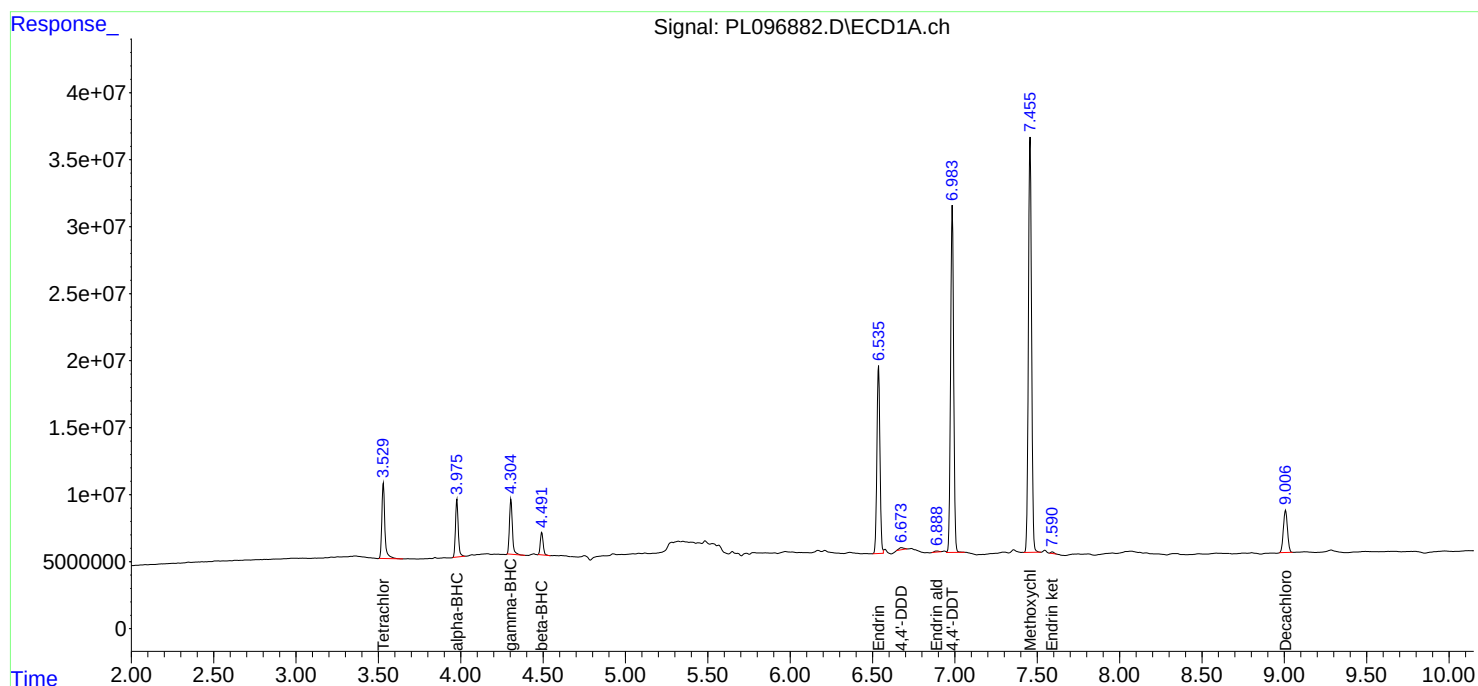
Instrument :
ECD_L
ClientSampleId :
PEM

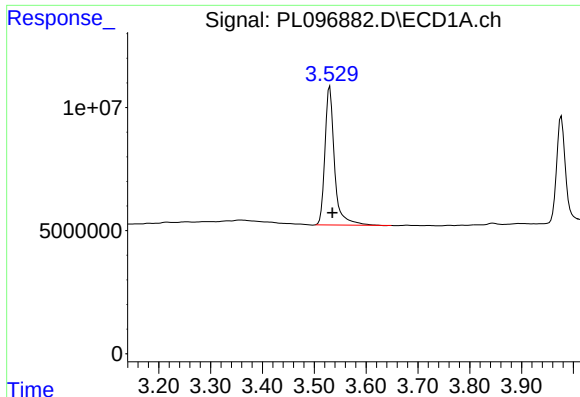
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:02:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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





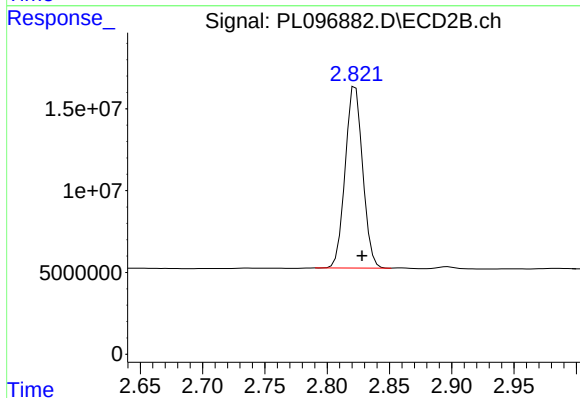
#1 Tetrachloro-m-xylene

R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 72004281
Conc: 22.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

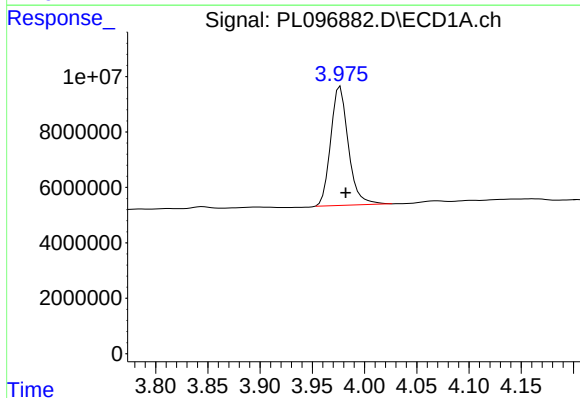
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



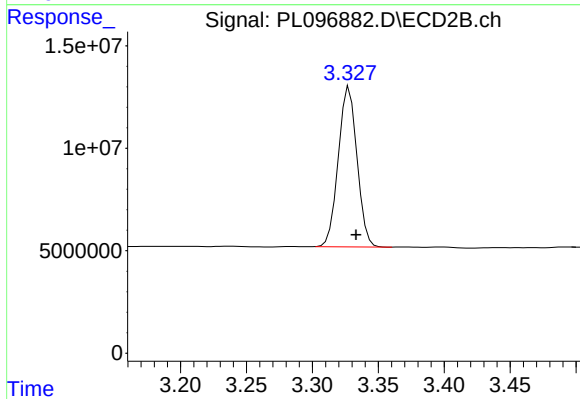
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: -0.005 min
Response: 108833510
Conc: 22.78 ng/ml



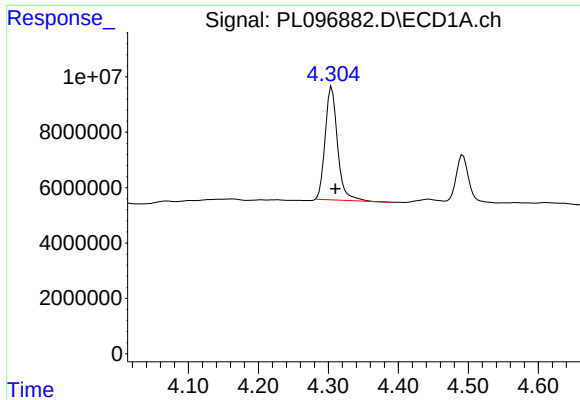
#2 alpha-BHC

R.T.: 3.977 min
Delta R.T.: -0.005 min
Response: 50457866
Conc: 10.91 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: -0.005 min
Response: 77149679
Conc: 10.90 ng/ml



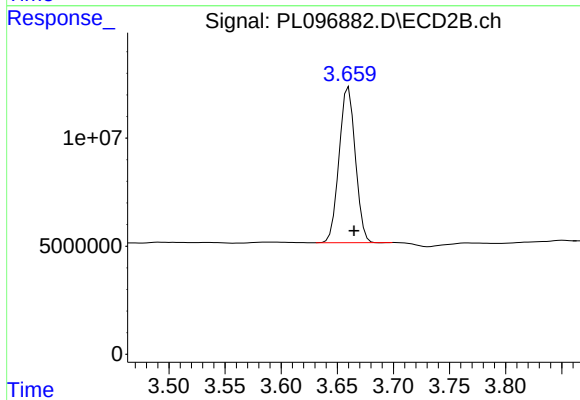
#3 gamma-BHC (Lindane)

R.T.: 4.305 min
Delta R.T.: -0.005 min
Response: 50379247
Conc: 11.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

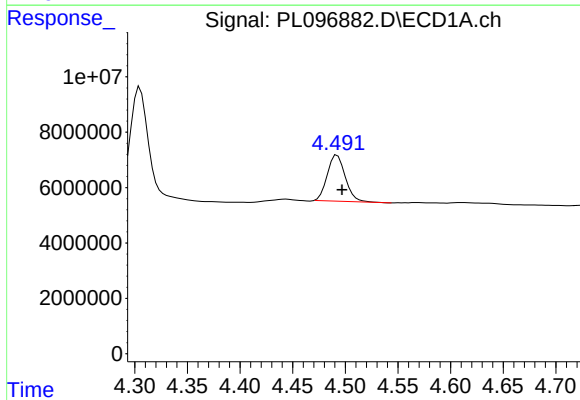
Manual Integrations
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Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



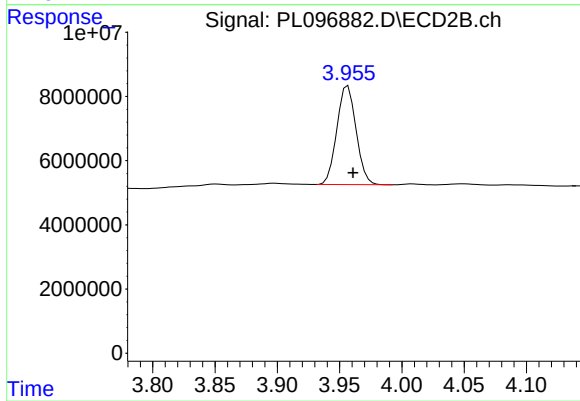
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: -0.005 min
Response: 72520097
Conc: 10.98 ng/ml



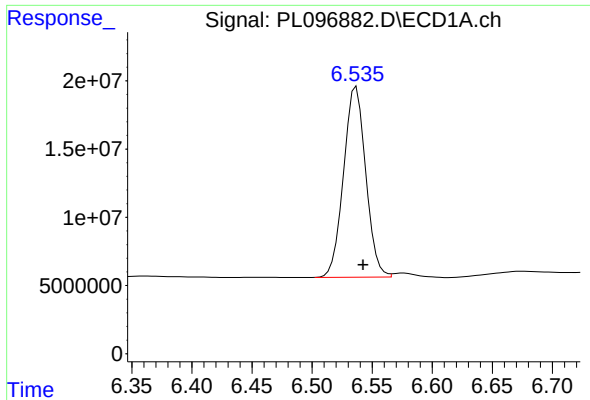
#6 beta-BHC

R.T.: 4.492 min
Delta R.T.: -0.005 min
Response: 19755272
Conc: 10.94 ng/ml



#6 beta-BHC

R.T.: 3.957 min
Delta R.T.: -0.004 min
Response: 33196244
Conc: 11.77 ng/ml



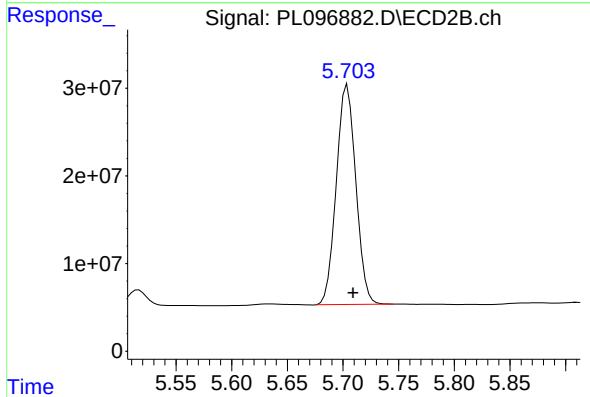
#14 Endrin

R.T.: 6.535 min
Delta R.T.: -0.007 min
Response: 179370515
Conc: 59.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

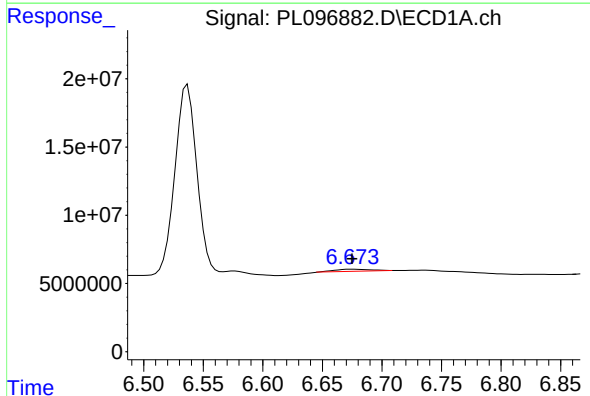
Manual Integrations
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Supervised By :mohammad ahmed 08/21/2025



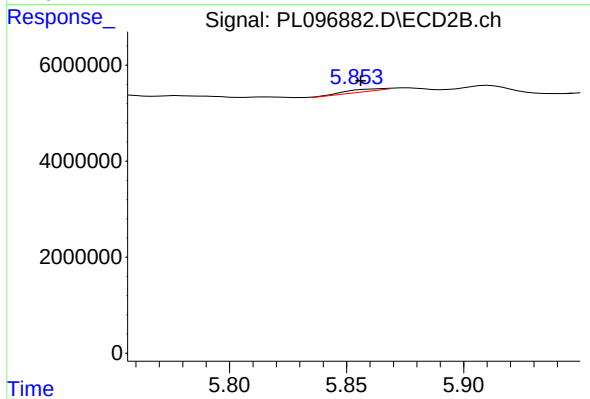
#14 Endrin

R.T.: 5.704 min
Delta R.T.: -0.005 min
Response: 306097287
Conc: 56.62 ng/ml



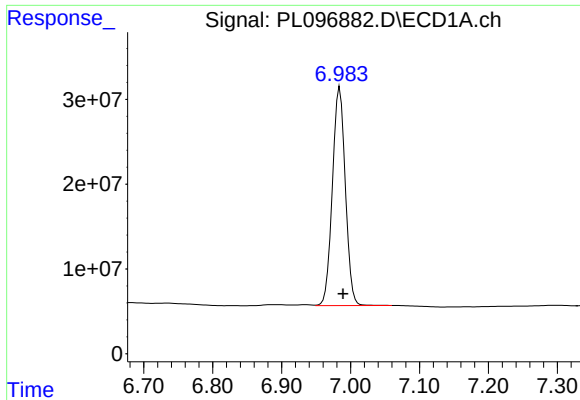
#16 4,4'-DDD

R.T.: 6.673 min
Delta R.T.: -0.002 min
Response: 3218621
Conc: 1.27 ng/ml m



#16 4,4'-DDD

R.T.: 5.853 min
Delta R.T.: -0.003 min
Response: 657129
Conc: 0.14 ng/ml m



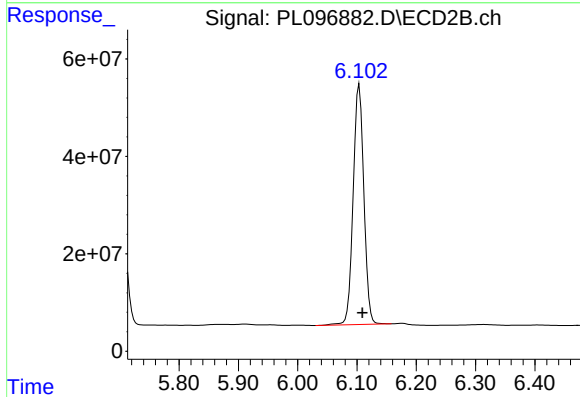
#17 4,4'-DDT

R.T.: 6.984 min
Delta R.T.: -0.005 min
Response: 335060849
Conc: 116.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

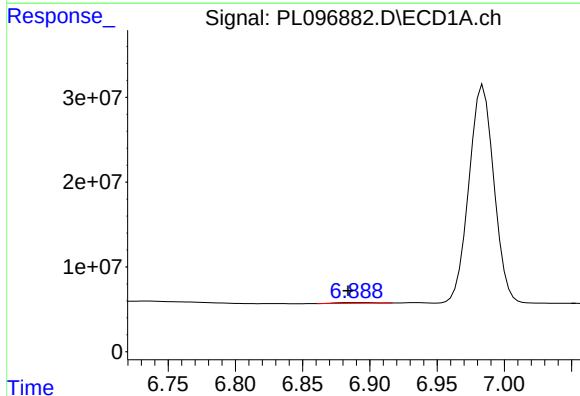
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



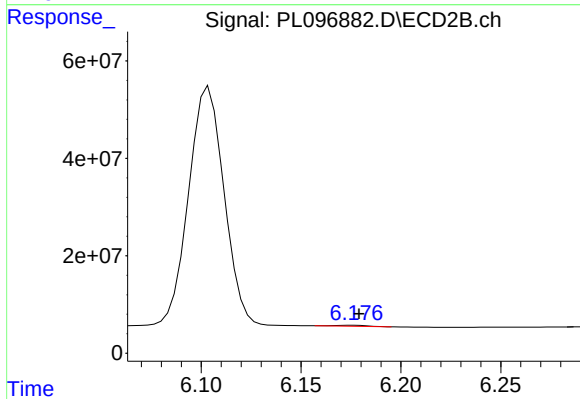
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 617484404
Conc: 122.07 ng/ml



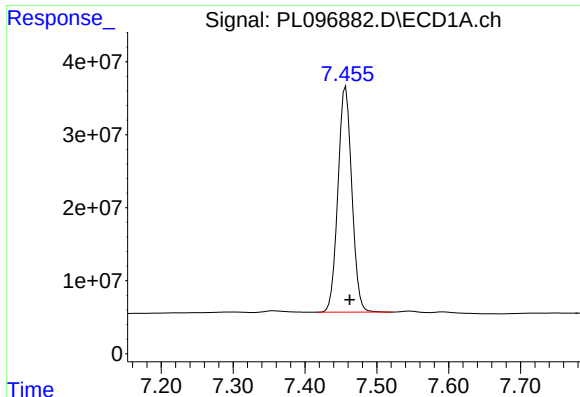
#18 Endrin aldehyde

R.T.: 6.888 min
Delta R.T.: 0.004 min
Response: 1613798
Conc: 0.75 ng/ml m



#18 Endrin aldehyde

R.T.: 6.176 min
Delta R.T.: -0.003 min
Response: 2323213
Conc: 0.64 ng/ml m



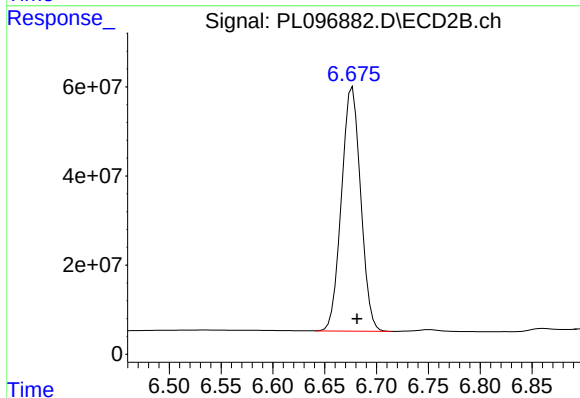
#20 Methoxychlor

R.T.: 7.457 min
Delta R.T.: -0.005 min
Response: 414153434
Conc: 282.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

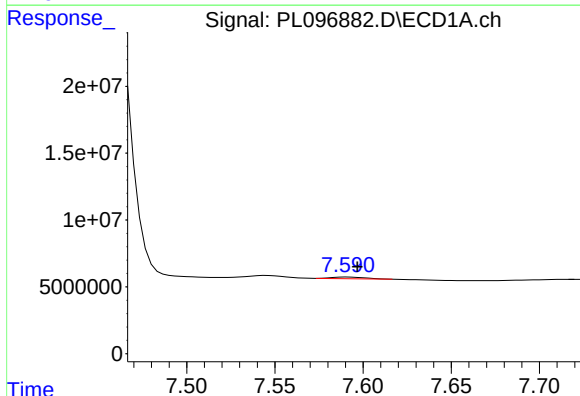
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



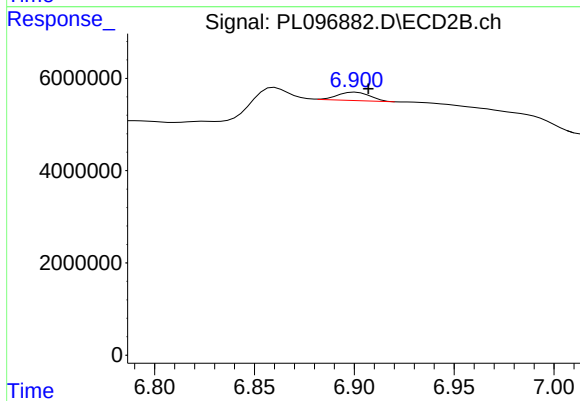
#20 Methoxychlor

R.T.: 6.675 min
Delta R.T.: -0.006 min
Response: 705693679
Conc: 257.51 ng/ml m



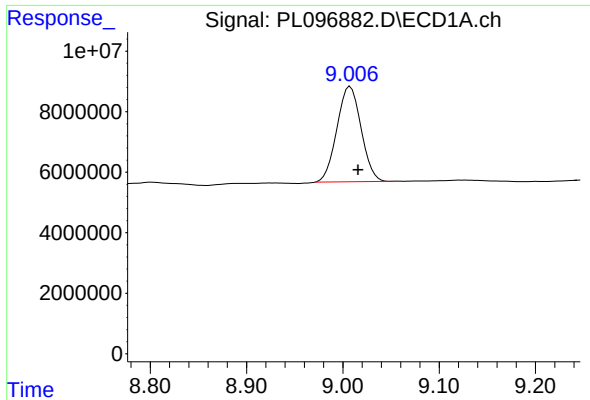
#21 Endrin ketone

R.T.: 7.590 min
Delta R.T.: -0.007 min
Response: 1676714
Conc: 0.56 ng/ml m



#21 Endrin ketone

R.T.: 6.900 min
Delta R.T.: -0.007 min
Response: 2051681
Conc: 0.37 ng/ml m



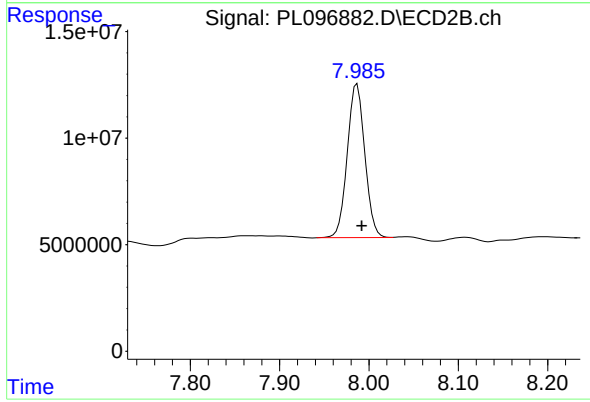
#28 Decachlorobiphenyl

R.T.: 9.008 min
Delta R.T.: -0.008 min
Response: 54884245
Conc: 23.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



#28 Decachlorobiphenyl

R.T.: 7.985 min
Delta R.T.: -0.007 min
Response: 98327059
Conc: 22.66 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096595.D
Acq On : 28 Jul 2025 16:38
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\PL072825.M
Title : GC Extractables
Last Update : Tue Jul 29 08:58:13 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.535	5.916	100.00%
5.916	6.045	100.00%
6.045	6.166	100.00%
6.166	6.317	100.00%
6.317	7.118	100.00%
7.118	7.463	100.00%
7.463	7.598	100.00%
7.598	9.016	100.00%

Signal #2

2.828	5.052	100.00%
5.052	5.170	100.00%
5.170	5.304	100.00%
5.304	5.435	100.00%
5.435	6.403	100.00%
6.403	6.682	100.00%
6.682	6.907	100.00%
6.907	7.993	100.00%

PL072825.M Tue Jul 29 09:06:52 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
 Data File : PL096595.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 16:38
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 RESCHK

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/29/2025
 Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 29 08:57:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:58:13 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...	3.535	2.828	53837096	81066871	16.926	16.968
28)	SA Decachlor...	9.016	7.993	41967810	75251539	17.599	17.346
Target Compounds							
9)	A Endosulfan I	6.045	5.169	28022040	44379475	7.792	8.023m
10)	B gamma-Chl...	5.916	5.052	31638592	48929496	8.314	8.321
12)	B 4,4'-DDE	6.166	5.304	54660848	96001382	17.022	17.409
13)	MA Dieldrin	6.316	5.435	63095073	99918926	17.001	16.917
19)	B Endosulfa...	7.118	6.403	50325612	88476396	17.513	17.395
20)	A Methoxychlor	7.463	6.682	128.9E6	238.4E6	87.784	87.000
21)	B Endrin ke...	7.598	6.907	51693529	95186865	17.193	17.090

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:38
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

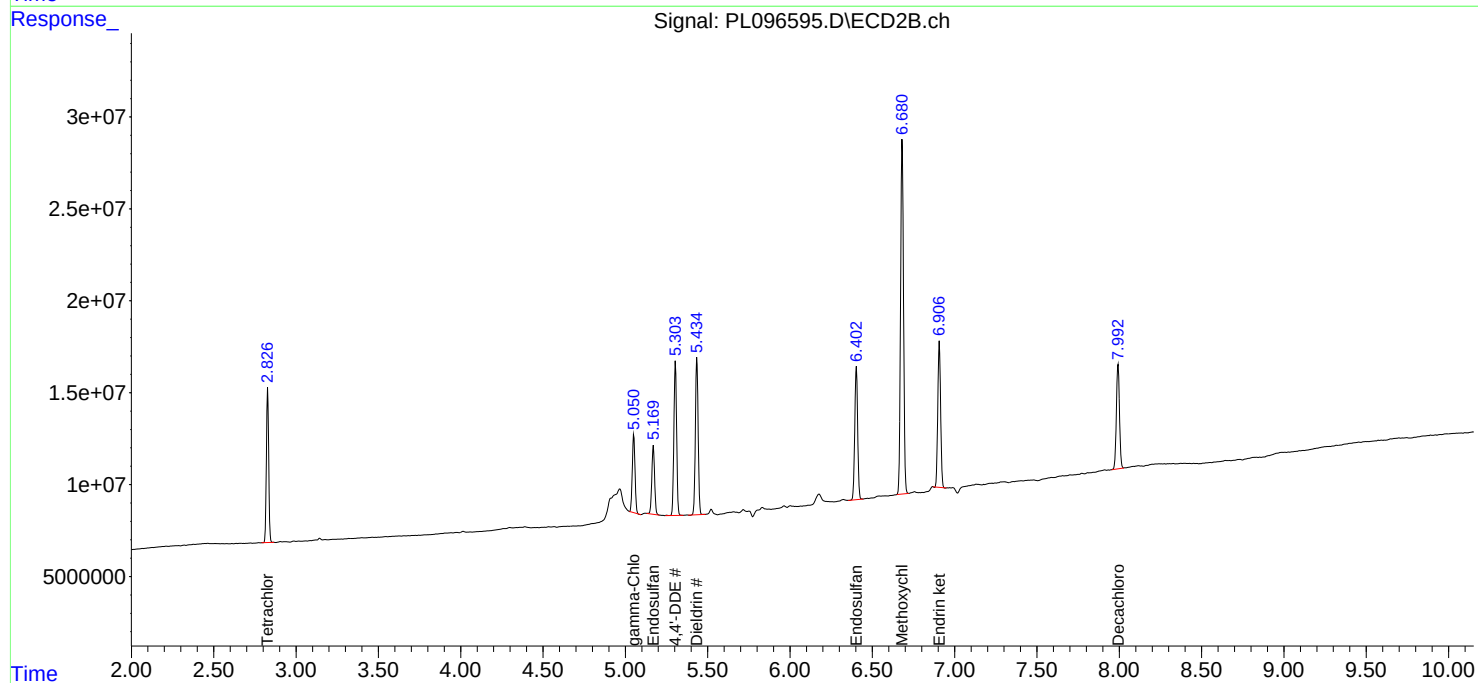
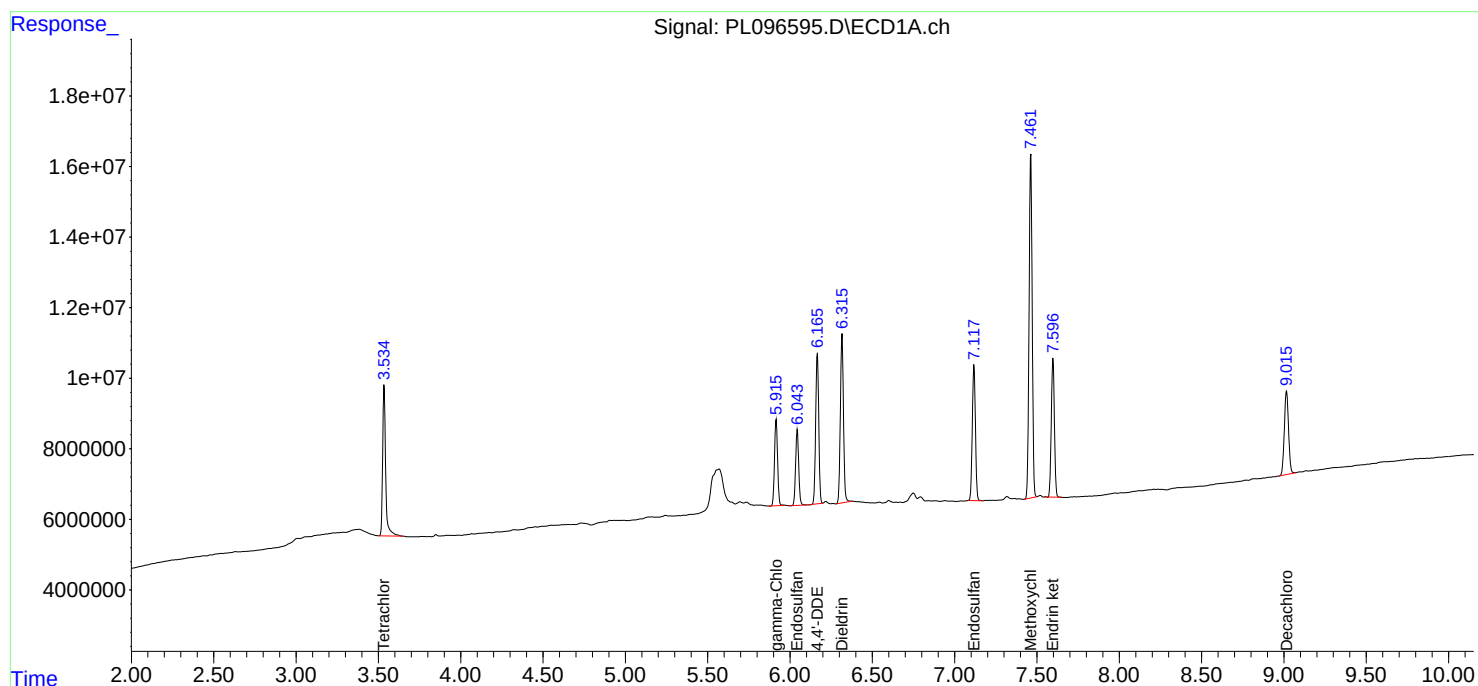
Instrument :
ECD_L
ClientSampleId :
RESCHK

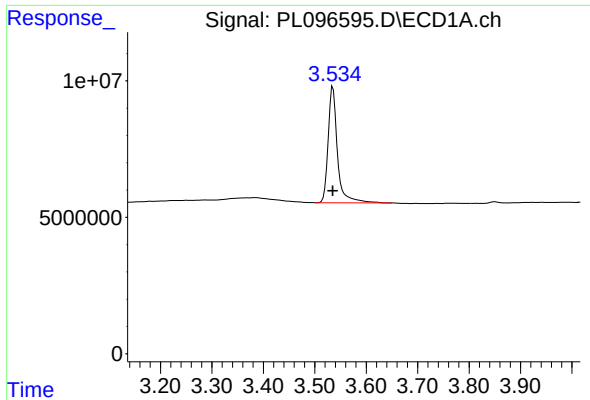
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/29/2025
Supervised By : mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:57:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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





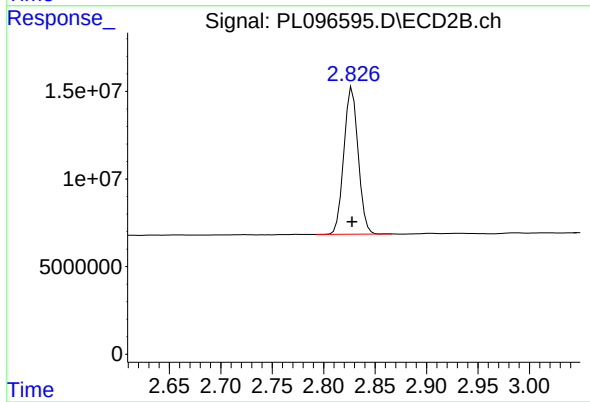
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 53837096
Conc: 16.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

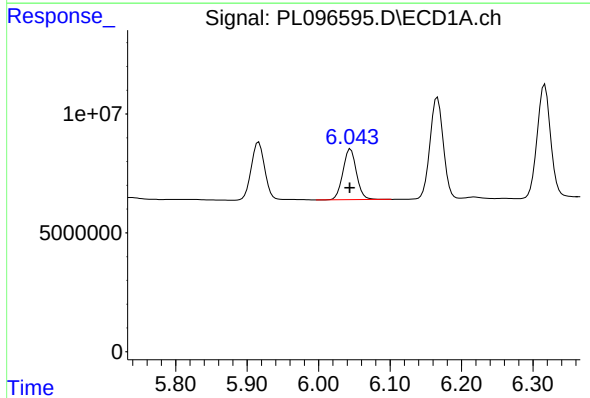
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



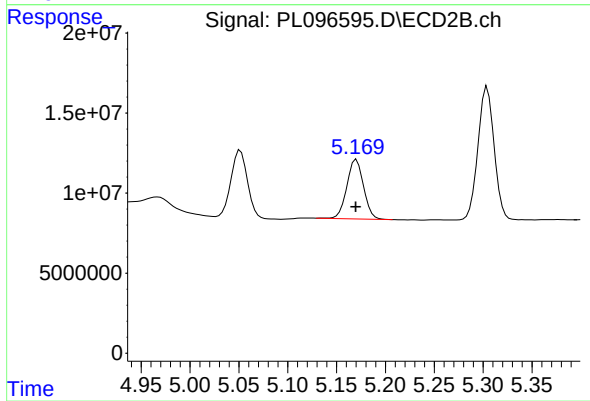
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 81066871
Conc: 16.97 ng/ml



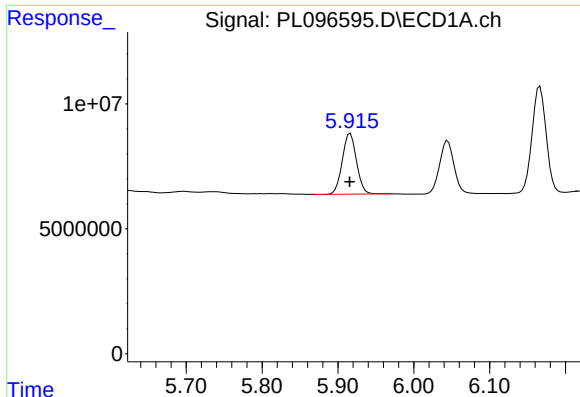
#9 Endosulfan I

R.T.: 6.045 min
Delta R.T.: 0.001 min
Response: 28022040
Conc: 7.79 ng/ml



#9 Endosulfan I

R.T.: 5.169 min
Delta R.T.: 0.000 min
Response: 44379475
Conc: 8.02 ng/ml m



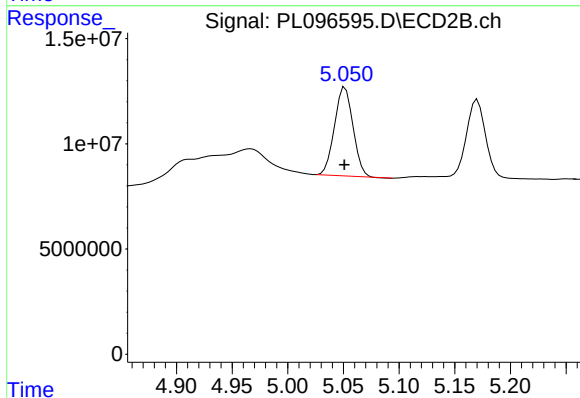
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 31638592
Conc: 8.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

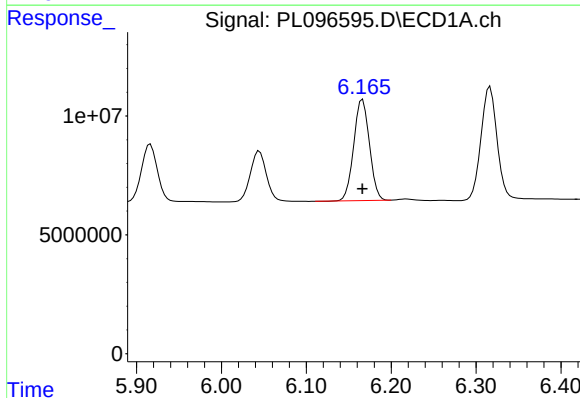
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



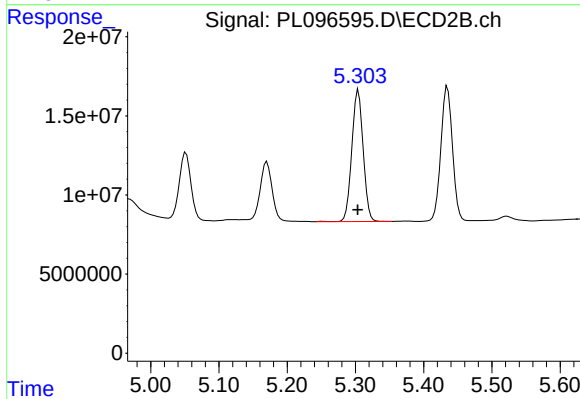
#10 gamma-Chlordane

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 48929496
Conc: 8.32 ng/ml



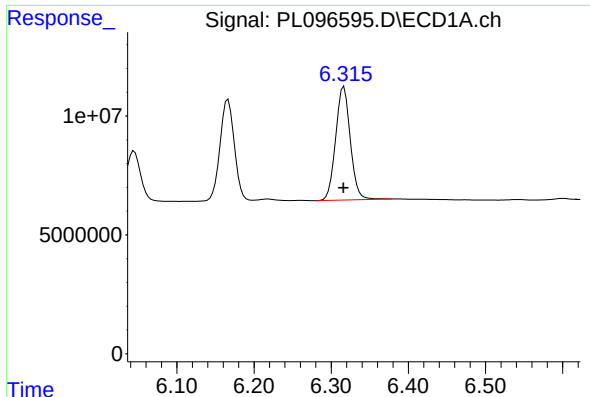
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 54660848
Conc: 17.02 ng/ml



#12 4,4'-DDE

R.T.: 5.304 min
Delta R.T.: 0.000 min
Response: 96001382
Conc: 17.41 ng/ml



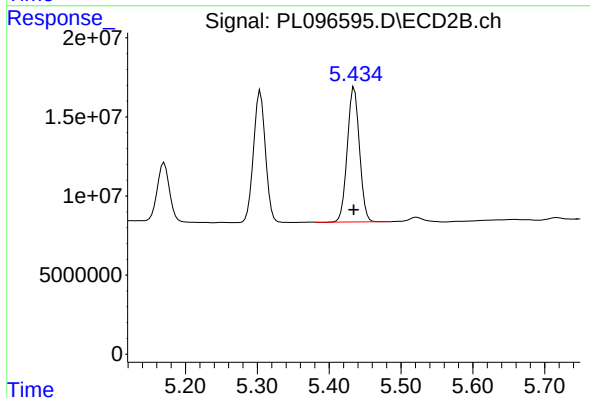
#13 Dieldrin

R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 63095073
Conc: 17.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

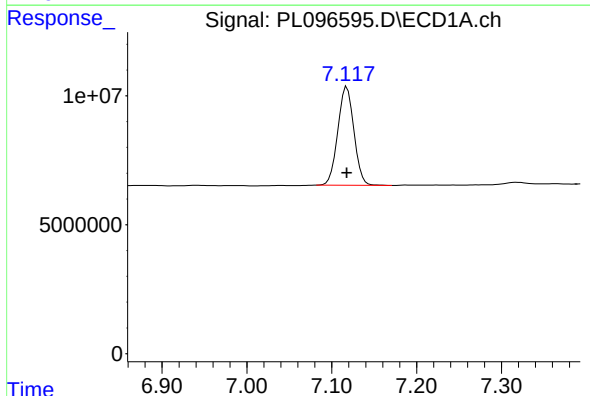
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



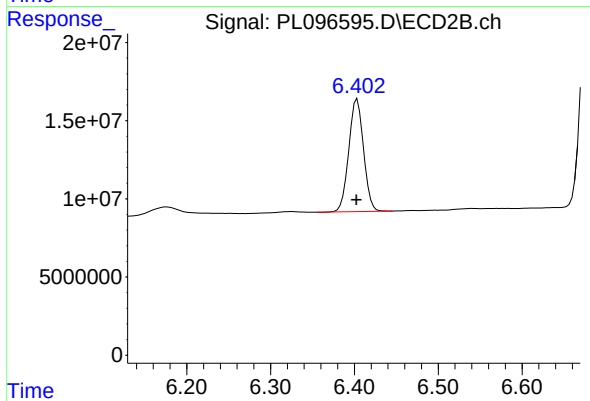
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: 0.000 min
Response: 99918926
Conc: 16.92 ng/ml



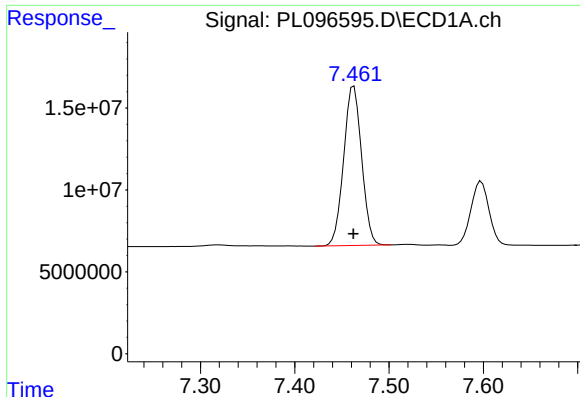
#19 Endosulfan Sulfate

R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 50325612
Conc: 17.51 ng/ml



#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: 0.001 min
Response: 88476396
Conc: 17.40 ng/ml



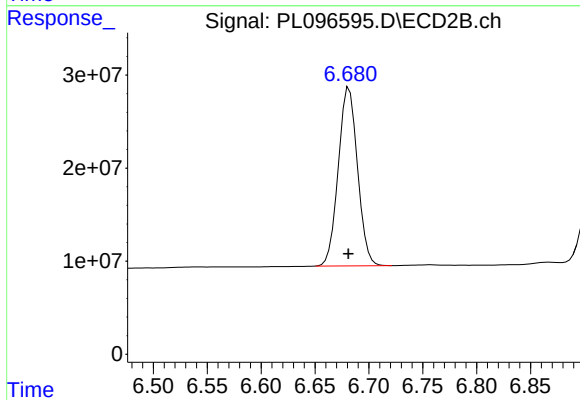
#20 Methoxychlor

R.T.: 7.463 min
Delta R.T.: 0.000 min
Response: 128897891
Conc: 87.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

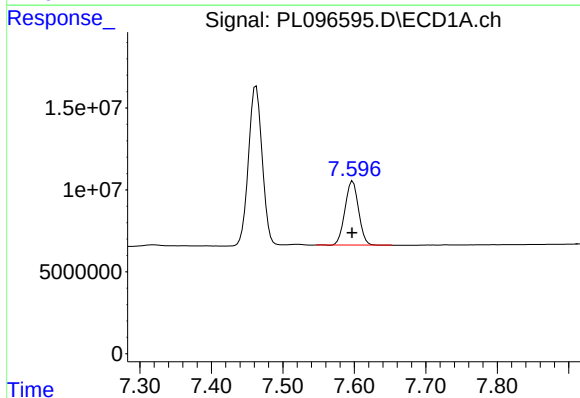
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



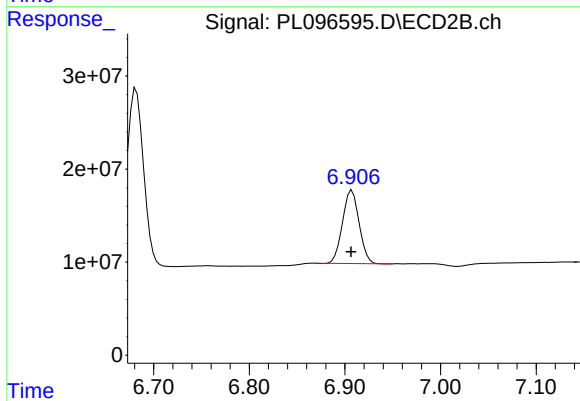
#20 Methoxychlor

R.T.: 6.682 min
Delta R.T.: 0.000 min
Response: 238424041
Conc: 87.00 ng/ml



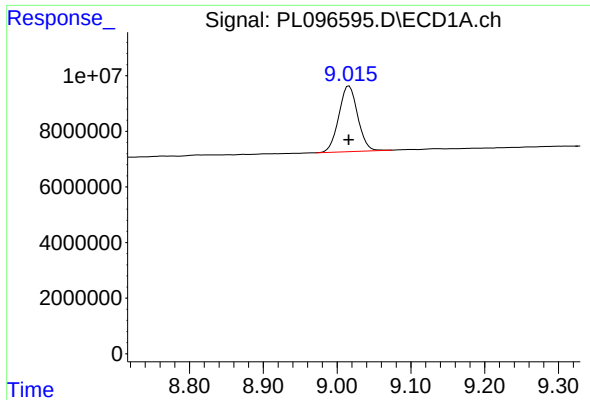
#21 Endrin ketone

R.T.: 7.598 min
Delta R.T.: 0.000 min
Response: 51693529
Conc: 17.19 ng/ml



#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 95186865
Conc: 17.09 ng/ml



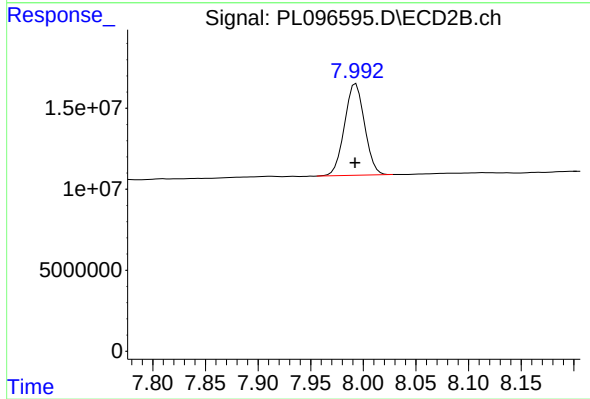
#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: 0.000 min
Response: 41967810
Conc: 17.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: 0.000 min
Response: 75251539
Conc: 17.35 ng/ml

Analytical Sequence

Client: Nobis Group

SDG No.: Q2879

Project: Raymark Superfund Site

Instrument ID: ECD_L

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 07/28/2025

07/28/2025

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 #
IBLK	IBLK	07/28/2025	16:11	PL096593.D	9.02	3.54
PEM	PEM	07/28/2025	16:25	PL096594.D	9.02	3.54
RESCHK	RESCHK	07/28/2025	16:38	PL096595.D	9.02	3.54
PSTDICCC100	PSTDICCC100	07/28/2025	16:52	PL096596.D	9.02	3.54
PSTDICCC075	PSTDICCC075	07/28/2025	17:06	PL096597.D	9.02	3.54
PSTDICCC050	PSTDICCC050	07/28/2025	17:19	PL096598.D	9.02	3.54
PSTDICCC025	PSTDICCC025	07/28/2025	17:33	PL096599.D	9.02	3.54
PSTDICCC005	PSTDICCC005	07/28/2025	17:47	PL096600.D	9.02	3.53
PCHLORICC500	PCHLORICC500	07/28/2025	18:27	PL096603.D	9.02	3.54
PTOXICC500	PTOXICC500	07/28/2025	19:36	PL096608.D	9.02	3.54
IBLK	IBLK	08/18/2025	10:12	PL096843.D	9.01	3.53
PEM	PEM	08/18/2025	10:26	PL096844.D	9.01	3.53
PSTDCCC050	PSTDCCC050	08/18/2025	11:25	PL096845.D	9.01	3.53
PB169283BL	PB169283BL	08/18/2025	11:56	PL096846.D	9.01	3.53
IBLK	IBLK	08/18/2025	12:39	PL096849.D	9.01	3.53
PSTDCCC050	PSTDCCC050	08/18/2025	12:53	PL096850.D	9.00	3.53
IBLK	IBLK	08/18/2025	16:57	PL096857.D	9.00	3.53
PSTDCCC050	PSTDCCC050	08/18/2025	17:11	PL096858.D	9.00	3.53
OU4-TS-GRILLO-TSCP03-081425	Q2879-01	08/18/2025	17:38	PL096860.D	9.00	3.53
OU4-TS-GRILLO-TSCP04-081425	Q2879-03	08/18/2025	17:52	PL096861.D	9.00	3.53
OU4-TS-GRILLO-TSCP05-081425	Q2879-05	08/18/2025	18:06	PL096862.D	9.00	3.53
OU4-TS-GRILLO-TSCP06-081425	Q2879-07	08/18/2025	18:19	PL096863.D	9.00	3.53
OU4-TS-GRILLO-TSCP07-081425	Q2879-09	08/18/2025	18:33	PL096864.D	9.00	3.53
OU4-TS-GRILLO-TSCP08-081425	Q2879-11	08/18/2025	18:46	PL096865.D	9.00	3.53
IBLK	IBLK	08/18/2025	19:00	PL096866.D	9.00	3.53
PSTDCCC050	PSTDCCC050	08/18/2025	19:41	PL096868.D	9.00	3.53
IBLK	IBLK	08/19/2025	08:48	PL096881.D	9.00	3.53
PEM	PEM	08/19/2025	10:28	PL096882.D	9.01	3.53
PSTDCCC050	PSTDCCC050	08/19/2025	11:07	PL096883.D	9.01	3.53
OU4-TS-GRILLO-TSCP09-081425	Q2879-13	08/19/2025	12:51	PL096884.D	9.01	3.53
OU4-TS-GRILLO-TSCP10-081425	Q2879-15	08/19/2025	13:04	PL096885.D	9.00	3.53
OU4-TS-GRILLO-TSCP11-081425	Q2879-17	08/19/2025	13:18	PL096886.D	9.00	3.53
VNJ-210MS	Q2888-01MS	08/19/2025	14:12	PL096890.D	9.00	3.53
VNJ-210MSD	Q2888-01MSD	08/19/2025	14:26	PL096891.D	9.00	3.53
PB169283BS	PB169283BS	08/19/2025	14:53	PL096893.D	9.00	3.53
IBLK	IBLK	08/19/2025	15:07	PL096894.D	9.00	3.53
PSTDCCC050	PSTDCCC050	08/19/2025	15:20	PL096895.D	9.00	3.53

Analytical Sequence

Client: Nobis Group

SDG No.: Q2879

Project: Raymark Superfund Site

Instrument ID: ECD_L

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 07/28/2025 07/28/2025

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 #
IBLK	IBLK	07/28/2025	16:11	PL096593.D	7.99	2.83
PEM	PEM	07/28/2025	16:25	PL096594.D	7.99	2.83
RESCHK	RESCHK	07/28/2025	16:38	PL096595.D	7.99	2.83
PSTDICC100	PSTDICC100	07/28/2025	16:52	PL096596.D	7.99	2.83
PSTDICC075	PSTDICC075	07/28/2025	17:06	PL096597.D	7.99	2.83
PSTDICC050	PSTDICC050	07/28/2025	17:19	PL096598.D	7.99	2.83
PSTDICC025	PSTDICC025	07/28/2025	17:33	PL096599.D	7.99	2.83
PSTDICC005	PSTDICC005	07/28/2025	17:47	PL096600.D	7.99	2.83
PCHLORICC500	PCHLORICC500	07/28/2025	18:27	PL096603.D	7.99	2.83
PTOXICC500	PTOXICC500	07/28/2025	19:36	PL096608.D	7.99	2.83
IBLK	IBLK	08/18/2025	10:12	PL096843.D	7.99	2.82
PEM	PEM	08/18/2025	10:26	PL096844.D	7.99	2.83
PSTDCCC050	PSTDCCC050	08/18/2025	11:25	PL096845.D	7.99	2.82
PB169283BL	PB169283BL	08/18/2025	11:56	PL096846.D	7.99	2.82
IBLK	IBLK	08/18/2025	12:39	PL096849.D	7.99	2.82
PSTDCCC050	PSTDCCC050	08/18/2025	12:53	PL096850.D	7.99	2.83
IBLK	IBLK	08/18/2025	16:57	PL096857.D	7.98	2.83
PSTDCCC050	PSTDCCC050	08/18/2025	17:11	PL096858.D	7.98	2.83
OU4-TS-GRILLO-TSCP03-081425	Q2879-01	08/18/2025	17:38	PL096860.D	7.98	2.83
OU4-TS-GRILLO-TSCP04-081425	Q2879-03	08/18/2025	17:52	PL096861.D	7.99	2.83
OU4-TS-GRILLO-TSCP05-081425	Q2879-05	08/18/2025	18:06	PL096862.D	7.99	2.83
OU4-TS-GRILLO-TSCP06-081425	Q2879-07	08/18/2025	18:19	PL096863.D	7.99	2.83
OU4-TS-GRILLO-TSCP07-081425	Q2879-09	08/18/2025	18:33	PL096864.D	7.98	2.83
OU4-TS-GRILLO-TSCP08-081425	Q2879-11	08/18/2025	18:46	PL096865.D	7.99	2.83
IBLK	IBLK	08/18/2025	19:00	PL096866.D	7.99	2.83
PSTDCCC050	PSTDCCC050	08/18/2025	19:41	PL096868.D	7.99	2.83
IBLK	IBLK	08/19/2025	08:48	PL096881.D	7.99	2.83
PEM	PEM	08/19/2025	10:28	PL096882.D	7.99	2.82
PSTDCCC050	PSTDCCC050	08/19/2025	11:07	PL096883.D	7.99	2.82
OU4-TS-GRILLO-TSCP09-081425	Q2879-13	08/19/2025	12:51	PL096884.D	7.99	2.82
OU4-TS-GRILLO-TSCP10-081425	Q2879-15	08/19/2025	13:04	PL096885.D	7.98	2.82
OU4-TS-GRILLO-TSCP11-081425	Q2879-17	08/19/2025	13:18	PL096886.D	7.99	2.83
VNJ-210MS	Q2888-01MS	08/19/2025	14:12	PL096890.D	7.98	2.83
VNJ-210MSD	Q2888-01MSD	08/19/2025	14:26	PL096891.D	7.98	2.83
PB169283BS	PB169283BS	08/19/2025	14:53	PL096893.D	7.99	2.83
IBLK	IBLK	08/19/2025	15:07	PL096894.D	7.99	2.83
PSTDCCC050	PSTDCCC050	08/19/2025	15:20	PL096895.D	7.99	2.83

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-GRILLO-TSCP03-0814

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

Lab Sample ID: Q2879-01

Date(s) Analyzed: 08/18/2025 08/18/2025

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		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.67	6.62	6.72	2.20	51.4
	2	5.85	5.80	5.90	1.30	
4,4'-DDT	1	6.98	6.93	7.03	3.20	24.7
	2	6.10	6.05	6.15	4.10	
4,4'-DDE	1	6.16	6.11	6.21	8.30	14.2
	2	5.30	5.25	5.35	7.20	
gamma-Chlordane	1	5.91	5.86	5.96	6.00	89.2
	2	5.05	5.00	5.10	2.30	
alpha-Chlordane	1	5.99	5.94	6.04	11.1	65.9
	2	5.11	5.06	5.16	5.60	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-GRILLO-TSCP04-0814

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

Lab Sample ID: Q2879-03

Date(s) Analyzed: 08/18/2025 08/18/2025

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		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.67	6.62	6.72	1.70	51.9
	2	5.85	5.80	5.90	1.00	
4,4'-DDT	1	6.98	6.93	7.03	2.70	20
	2	6.10	6.05	6.15	3.30	
gamma-Chlordane	1	5.91	5.86	5.96	6.50	65.3
	2	5.05	5.00	5.10	3.30	
alpha-Chlordane	1	5.99	5.94	6.04	12.4	63.8
	2	5.11	5.06	5.16	6.40	
4,4'-DDE	1	6.16	6.11	6.21	8.00	14.8
	2	5.30	5.25	5.35	6.90	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-GRILLO-TSCP05-0814

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

Lab Sample ID: Q2879-05

Date(s) Analyzed: 08/18/2025 08/18/2025

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		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.67	6.62	6.72	1.70	54.5
	2	5.85	5.80	5.90	0.97	
4,4'-DDT	1	6.98	6.93	7.03	2.30	23.1
	2	6.10	6.05	6.15	2.90	
gamma-Chlordane	1	5.91	5.86	5.96	5.20	63.3
	2	5.05	5.00	5.10	2.70	
alpha-Chlordane	1	5.99	5.94	6.04	9.30	65.7
	2	5.11	5.06	5.16	4.70	
4,4'-DDE	1	6.16	6.11	6.21	6.90	15.6
	2	5.30	5.25	5.35	5.90	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-GRILLO-TSCP06-0814

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

Lab Sample ID: Q2879-07

Date(s) Analyzed: 08/18/2025 08/18/2025

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		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.67	6.62	6.72	1.20	41
	2	5.85	5.80	5.90	0.79	
4,4'-DDT	1	6.98	6.93	7.03	1.90	14.6
	2	6.10	6.05	6.15	2.20	
gamma-Chlordane	1	5.91	5.86	5.96	3.80	57.6
	2	5.05	5.00	5.10	2.10	
alpha-Chlordane	1	5.99	5.94	6.04	7.80	60
	2	5.11	5.06	5.16	4.20	
4,4'-DDE	1	6.16	6.11	6.21	6.10	17.9
	2	5.30	5.25	5.35	5.10	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-GRILLO-TSCP07-0814

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

Lab Sample ID: Q2879-09

Date(s) Analyzed: 08/18/2025 08/18/2025

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		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.67	6.62	6.72	2.30	55.6
	2	5.85	5.80	5.90	1.30	
4,4'-DDT	1	6.98	6.93	7.03	2.80	16.4
	2	6.10	6.05	6.15	3.30	
gamma-Chlordane	1	5.91	5.86	5.96	4.40	55.1
	2	5.05	5.00	5.10	2.50	
alpha-Chlordane	1	5.99	5.94	6.04	8.50	61.5
	2	5.11	5.06	5.16	4.50	
4,4'-DDE	1	6.16	6.11	6.21	7.50	14.3
	2	5.30	5.25	5.35	6.50	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-GRILLO-TSCP08-0814

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

Lab Sample ID: Q2879-11

Date(s) Analyzed: 08/18/2025 08/18/2025

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		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.67	6.62	6.72	2.70	63.4
	2	5.85	5.80	5.90	1.40	
4,4'-DDT	1	6.98	6.93	7.03	3.80	21.2
	2	6.10	6.05	6.15	4.70	
alpha-Chlordane	1	5.99	5.94	6.04	12.0	63.7
	2	5.11	5.06	5.16	6.20	
4,4'-DDE	1	6.16	6.11	6.21	9.10	6.8
	2	5.30	5.25	5.35	8.50	
gamma-Chlordane	1	5.91	5.86	5.96	5.90	33.7
	2	5.05	5.00	5.10	4.20	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-GRILLO-TSCP09-0814

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

Lab Sample ID: Q2879-13

Date(s) Analyzed: 08/19/2025 08/19/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDT	1	6.98	6.93	7.03	4.40	30.8
	2	6.10	6.05	6.15	6.00	
gamma-Chlordane	1	5.91	5.86	5.96	5.50	75
	2	5.04	4.99	5.09	2.50	
alpha-Chlordane	1	5.99	5.94	6.04	11.5	52.7
	2	5.11	5.06	5.16	6.70	
4,4'-DDE	1	6.16	6.11	6.21	10.2	13.6
	2	5.30	5.25	5.35	8.90	
4,4'-DDD	1	6.68	6.63	6.73	1.60	37
	2	5.85	5.80	5.90	1.10	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-GRILLO-TSCP10-0814

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

Lab Sample ID: Q2879-15

Date(s) Analyzed: 08/19/2025 08/19/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.68	6.63	6.73	2.10	71
	2	5.85	5.80	5.90	1.00	
4,4'-DDT	1	6.98	6.93	7.03	5.20	10.9
	2	6.10	6.05	6.15	5.80	
gamma-Chlordane	1	5.91	5.86	5.96	6.20	81.8
	2	5.04	4.99	5.09	2.60	
alpha-Chlordane	1	5.99	5.94	6.04	13.0	58.7
	2	5.11	5.06	5.16	7.10	
4,4'-DDE	1	6.16	6.11	6.21	10.7	14
	2	5.30	5.25	5.35	9.30	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-TS-GRILLO-TSCP11-08142

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

Lab Sample ID: Q2879-17

Date(s) Analyzed: 08/19/2025 08/19/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.68	6.63	6.73	1.30	59
	2	5.85	5.80	5.90	0.71	
4,4'-DDT	1	6.98	6.93	7.03	4.80	0
	2	6.10	6.05	6.15	4.80	
gamma-Chlordane	1	5.91	5.86	5.96	6.90	78.8
	2	5.05	5.00	5.10	3.00	
alpha-Chlordane	1	5.99	5.94	6.04	14.9	52.5
	2	5.11	5.06	5.16	8.70	
4,4'-DDE	1	6.16	6.11	6.21	8.70	5.9
	2	5.30	5.25	5.35	8.20	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169283BS

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

Lab Sample ID: PB169283BS

Date(s) Analyzed: 08/19/2025 08/19/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.67	6.62	6.72	16.3	11.7
	2	5.85	5.80	5.90	14.5	
4,4'-DDE	1	6.16	6.11	6.21	16.0	5.1
	2	5.30	5.25	5.35	15.2	
4,4'-DDT	1	6.98	6.93	7.03	15.0	9.8
	2	6.10	6.05	6.15	13.6	
alpha-BHC	1	3.98	3.93	4.03	17.0	0.6
	2	3.33	3.28	3.38	16.9	
Aldrin	1	5.23	5.18	5.28	16.0	1.2
	2	4.29	4.24	4.34	16.2	
alpha-Chlordane	1	5.99	5.94	6.04	15.9	5.2
	2	5.11	5.06	5.16	15.1	
Endosulfan II	1	6.75	6.70	6.80	15.3	7.5
	2	6.00	5.95	6.05	14.2	
Endosulfan sulfate	1	7.11	7.06	7.16	14.8	9.2
	2	6.40	6.35	6.45	13.5	
beta-BHC	1	4.49	4.44	4.54	16.7	2.4
	2	3.96	3.91	4.01	16.3	
delta-BHC	1	4.74	4.69	4.79	17.0	4.2
	2	4.19	4.14	4.24	16.3	
Endosulfan I	1	6.04	5.99	6.09	15.6	6.6
	2	5.17	5.12	5.22	14.6	
Dieldrin	1	6.31	6.26	6.36	15.6	3.9
	2	5.43	5.38	5.48	15.0	
Endrin aldehyde	1	6.88	6.83	6.93	16.3	9
	2	6.18	6.13	6.23	14.9	
Methoxychlor	1	7.45	7.40	7.50	14.8	10.7
	2	6.68	6.63	6.73	13.3	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169283BS

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

Lab Sample ID: PB169283BS

Date(s) Analyzed: 08/19/2025 08/19/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin ketone	1	7.59	7.54	7.64	15.0	14.3
	2	6.90	6.85	6.95	13.0	
gamma-BHC (Lindane)	1	4.30	4.25	4.35	16.6	0.6
	2	3.66	3.61	3.71	16.7	
Heptachlor	1	4.90	4.85	4.95	17.2	6.6
	2	4.01	3.96	4.06	16.1	
Heptachlor epoxide	1	5.66	5.61	5.71	16.5	5.6
	2	4.80	4.75	4.85	15.6	
gamma-Chlordane	1	5.91	5.86	5.96	16.3	5
	2	5.05	5.00	5.10	15.5	
Endrin	1	6.53	6.48	6.58	15.8	9.3
	2	5.71	5.66	5.76	14.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

VNJ-210MS

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

Lab Sample ID: Q2888-01MS

Date(s) Analyzed: 08/19/2025 08/19/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.75	6.70	6.80	16.0	8.4
	2	6.00	5.95	6.05	17.4	
4,4'-DDD	1	6.67	6.62	6.72	19.3	27.1
	2	5.85	5.80	5.90	14.7	
4,4'-DDT	1	6.98	6.93	7.03	23.2	9
	2	6.11	6.06	6.16	21.2	
Endrin aldehyde	1	6.88	6.83	6.93	17.9	4.6
	2	6.18	6.13	6.23	17.1	
Endosulfan sulfate	1	7.11	7.06	7.16	16.3	11
	2	6.40	6.35	6.45	14.6	
Methoxychlor	1	7.45	7.40	7.50	19.1	31.5
	2	6.68	6.63	6.73	13.9	
Endrin ketone	1	7.59	7.54	7.64	16.1	11.8
	2	6.90	6.85	6.95	14.3	
alpha-BHC	1	3.98	3.93	4.03	17.6	2.8
	2	3.33	3.28	3.38	18.1	
gamma-BHC (Lindane)	1	4.30	4.25	4.35	18.0	0.6
	2	3.66	3.61	3.71	17.9	
Heptachlor	1	4.90	4.85	4.95	19.5	10.2
	2	4.01	3.96	4.06	17.6	
Aldrin	1	5.24	5.19	5.29	19.0	8.8
	2	4.29	4.24	4.34	17.4	
beta-BHC	1	4.49	4.44	4.54	15.6	15.4
	2	3.96	3.91	4.01	18.2	
delta-BHC	1	4.74	4.69	4.79	15.5	3.3
	2	4.19	4.14	4.24	15.0	
Heptachlor epoxide	1	5.65	5.60	5.70	18.0	7.5
	2	4.80	4.75	4.85	16.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

VNJ-210MS

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

Lab Sample ID: Q2888-01MS

Date(s) Analyzed: 08/19/2025 08/19/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.04	5.99	6.09	19.1	11.6
	2	5.17	5.12	5.22	17.0	
gamma-Chlordane	1	5.91	5.86	5.96	19.0	4.9
	2	5.05	5.00	5.10	18.1	
alpha-Chlordane	1	5.99	5.94	6.04	19.4	0
	2	5.11	5.06	5.16	19.4	
4,4'-DDE	1	6.16	6.11	6.21	19.2	7
	2	5.30	5.25	5.35	20.6	
Dieldrin	1	6.31	6.26	6.36	16.7	9.7
	2	5.43	5.38	5.48	18.4	
Endrin	1	6.53	6.48	6.58	16.7	5.8
	2	5.71	5.66	5.76	17.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

VNJ-210MSD

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

Lab Sample ID: Q2888-01MSD

Date(s) Analyzed: 08/19/2025 08/19/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
gamma-Chlordane	1	5.91	5.86	5.96	20.0	5.1
	2	5.05	5.00	5.10	19.0	
alpha-Chlordane	1	5.99	5.94	6.04	20.5	3
	2	5.11	5.06	5.16	19.9	
4,4'-DDE	1	6.16	6.11	6.21	19.5	8.8
	2	5.30	5.25	5.35	21.3	
Dieldrin	1	6.31	6.26	6.36	17.5	9.3
	2	5.43	5.38	5.48	19.2	
Endrin	1	6.53	6.48	6.58	17.4	5
	2	5.71	5.66	5.76	18.3	
Endosulfan II	1	6.75	6.70	6.80	16.0	12.3
	2	6.00	5.95	6.05	18.1	
4,4'-DDD	1	6.67	6.62	6.72	20.5	30.3
	2	5.85	5.80	5.90	15.1	
4,4'-DDT	1	6.98	6.93	7.03	24.0	9.2
	2	6.10	6.05	6.15	21.9	
Endrin aldehyde	1	6.88	6.83	6.93	18.0	5.7
	2	6.18	6.13	6.23	17.0	
Endosulfan sulfate	1	7.11	7.06	7.16	16.7	12.1
	2	6.40	6.35	6.45	14.8	
Methoxychlor	1	7.45	7.40	7.50	21.1	37.7
	2	6.68	6.63	6.73	14.4	
Endrin ketone	1	7.59	7.54	7.64	16.6	10.8
	2	6.90	6.85	6.95	14.9	
alpha-BHC	1	3.98	3.93	4.03	18.1	1.6
	2	3.33	3.28	3.38	18.4	
gamma-BHC (Lindane)	1	4.30	4.25	4.35	18.4	1.1
	2	3.66	3.61	3.71	18.2	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

VNJ-210MSD

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2879

Lab Sample ID: Q2888-01MSD

Date(s) Analyzed: 08/19/2025 08/19/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Heptachlor	1	4.90	4.85	4.95	20.3	12.6
	2	4.01	3.96	4.06	17.9	
Aldrin	1	5.24	5.19	5.29	19.7	10.1
	2	4.29	4.24	4.34	17.8	
beta-BHC	1	4.49	4.44	4.54	16.1	14.4
	2	3.96	3.91	4.01	18.6	
delta-BHC	1	4.74	4.69	4.79	16.0	4.5
	2	4.19	4.14	4.24	15.3	
Heptachlor epoxide	1	5.65	5.60	5.70	18.7	9.5
	2	4.80	4.75	4.85	17.0	
Endosulfan I	1	6.04	5.99	6.09	20.2	14.9
	2	5.17	5.12	5.22	17.4	



QC SAMPLE DATA

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB169283BL	SDG No.:	Q2879
Lab Sample ID:	PB169283BL	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
PL096846.D	1	08/18/25 08:06	08/18/25 11:56	PB169283

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	19.2		55 - 130		96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.2		42 - 129		96%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:		
Project:	Raymark Superfund Site		Date Received:		
Client Sample ID:	PB169283BL		SDG No.:	Q2879	
Lab Sample ID:	PB169283BL		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
PL096846.D	1	08/18/25 08:06	08/18/25 11:56	PB169283

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\PL081825\
Data File : PL096846.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 11:56
Operator : AR\AJ
Sample : PB169283BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB169283BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 12:39:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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...	3.530	2.822	59220406	91525763	18.618	19.157
28)	SA Decachlor...	9.010	7.987	44621470	83462652	18.712	19.238

Target Compounds

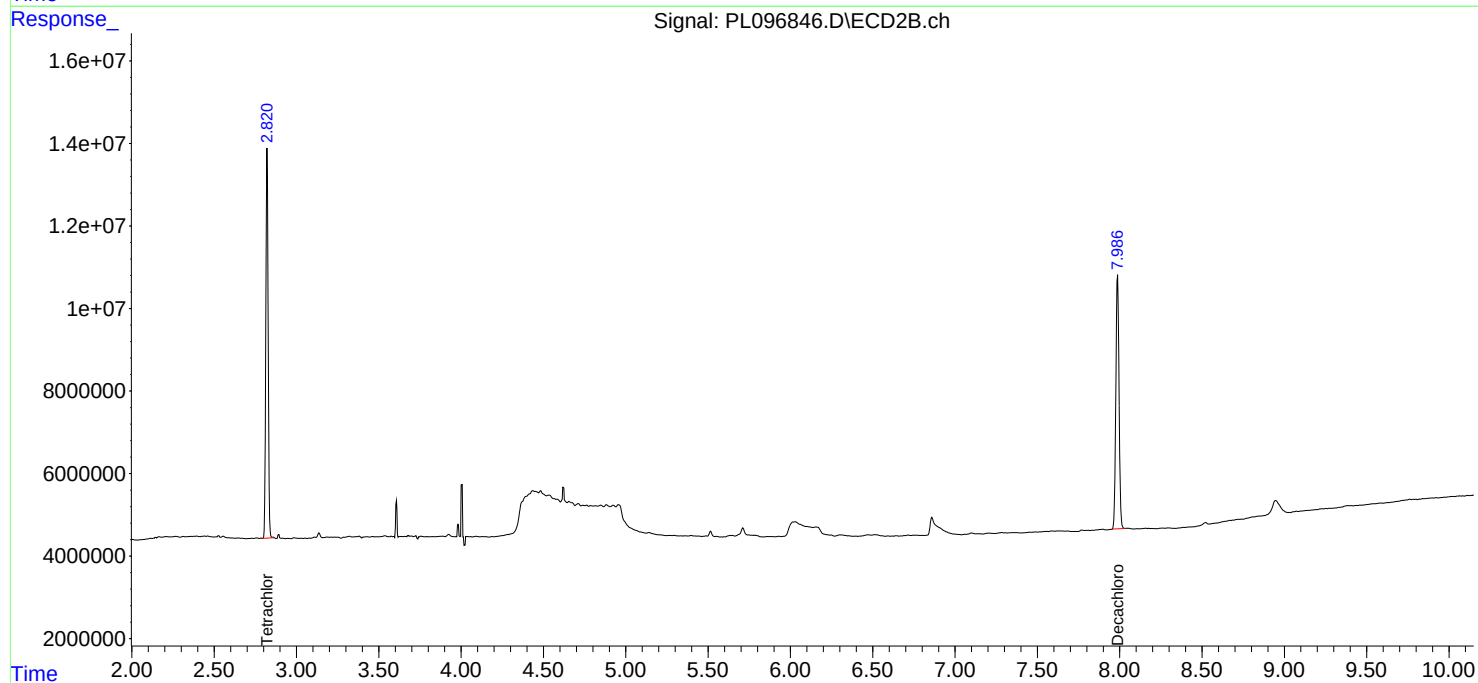
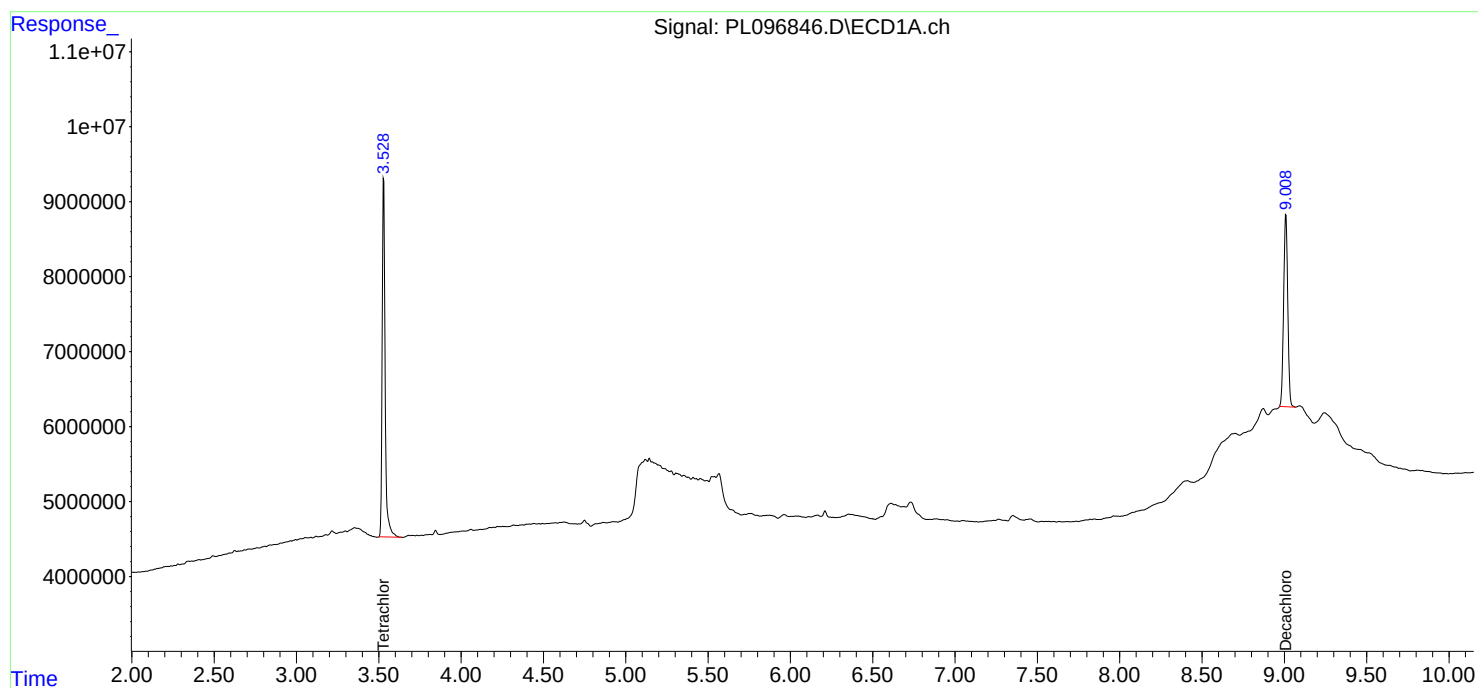
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096846.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 11:56
Operator : AR\AJ
Sample : PB169283BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

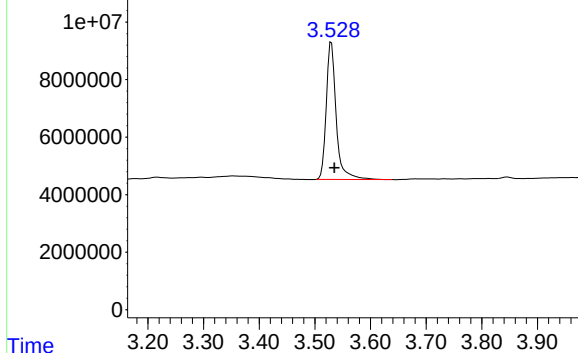
Instrument :
ECD_L
ClientSampleId :
PB169283BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 12:39:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PL096846.D\ECD1A.ch

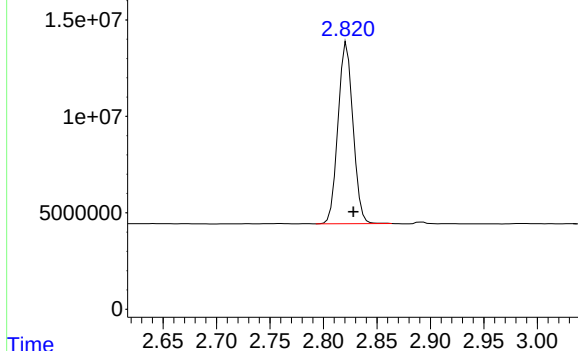


#1 Tetrachloro-m-xylene

R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 59220406
Conc: 18.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BL

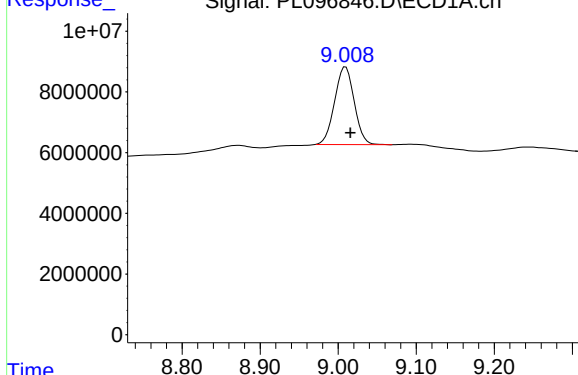
Response_ Signal: PL096846.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.006 min
Response: 91525763
Conc: 19.16 ng/ml

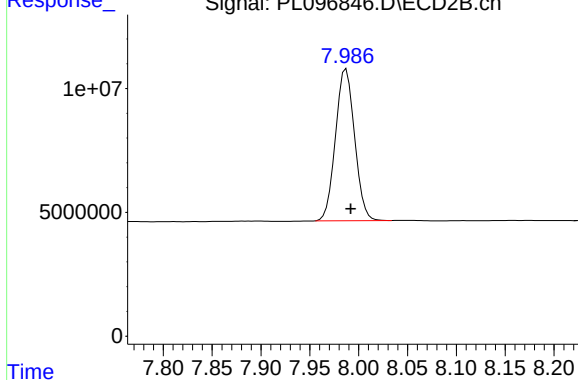
Response_ Signal: PL096846.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.010 min
Delta R.T.: -0.006 min
Response: 44621470
Conc: 18.71 ng/ml

Response_ Signal: PL096846.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 83462652
Conc: 19.24 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	07/28/25
Project:	Raymark Superfund Site	Date Received:	07/28/25
Client Sample ID:	PIBLK-PL096593.D	SDG No.:	Q2879
Lab Sample ID:	I.BLK-PL096593.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096593.D	1		07/28/25	pl072825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.000050	U	0.000017	0.000050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	19.2		30 - 135		96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		44 - 124		93%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	07/28/25	
Project:	Raymark Superfund Site		Date Received:	07/28/25	
Client Sample ID:	PIBLK-PL096593.D		SDG No.:	Q2879	
Lab Sample ID:	I.BLK-PL096593.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
PL096593.D	1		07/28/25	pl072825

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\PL072825\
 Data File : PL096593.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 16:11
 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 29 08:56:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:58:13 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...	3.535	2.828	59301554	87523738	18.644	18.319
28) SA Decachlor...	9.016	7.993	45808507	82684633	19.210	19.059

Target Compounds

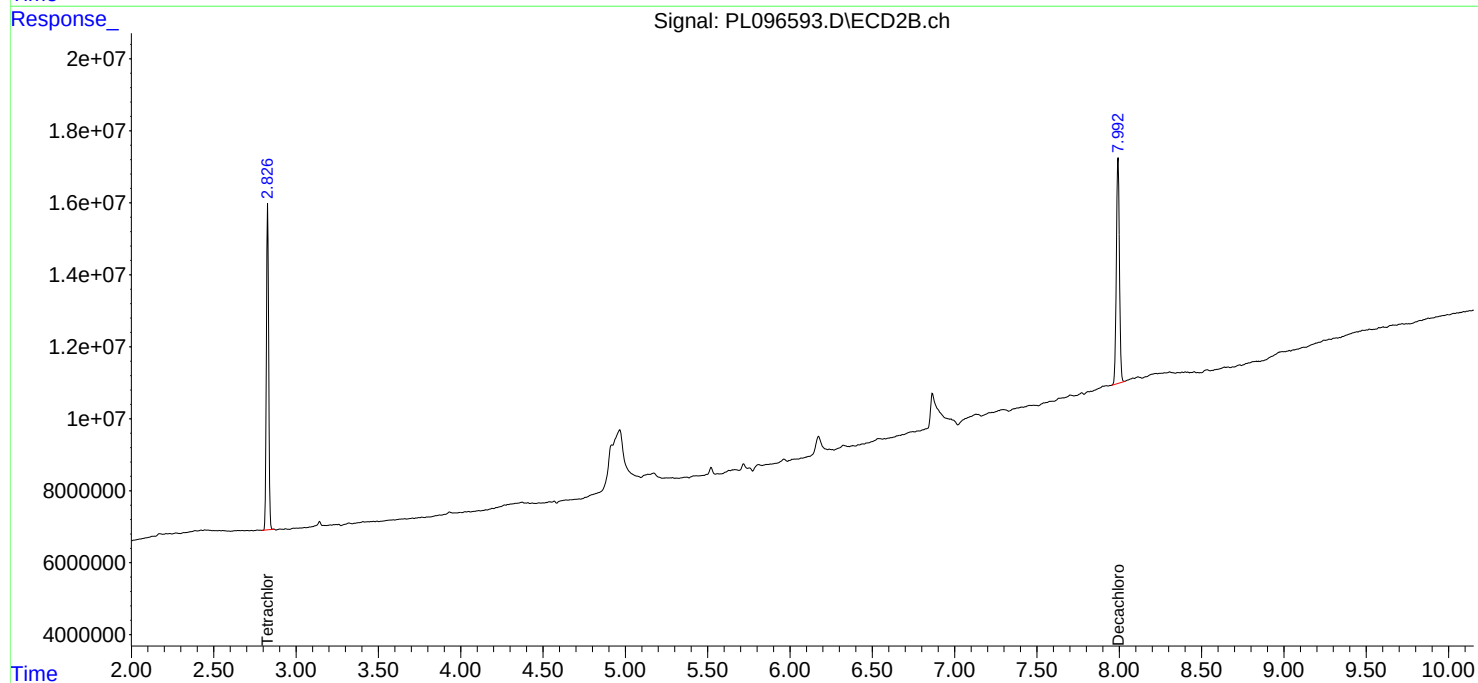
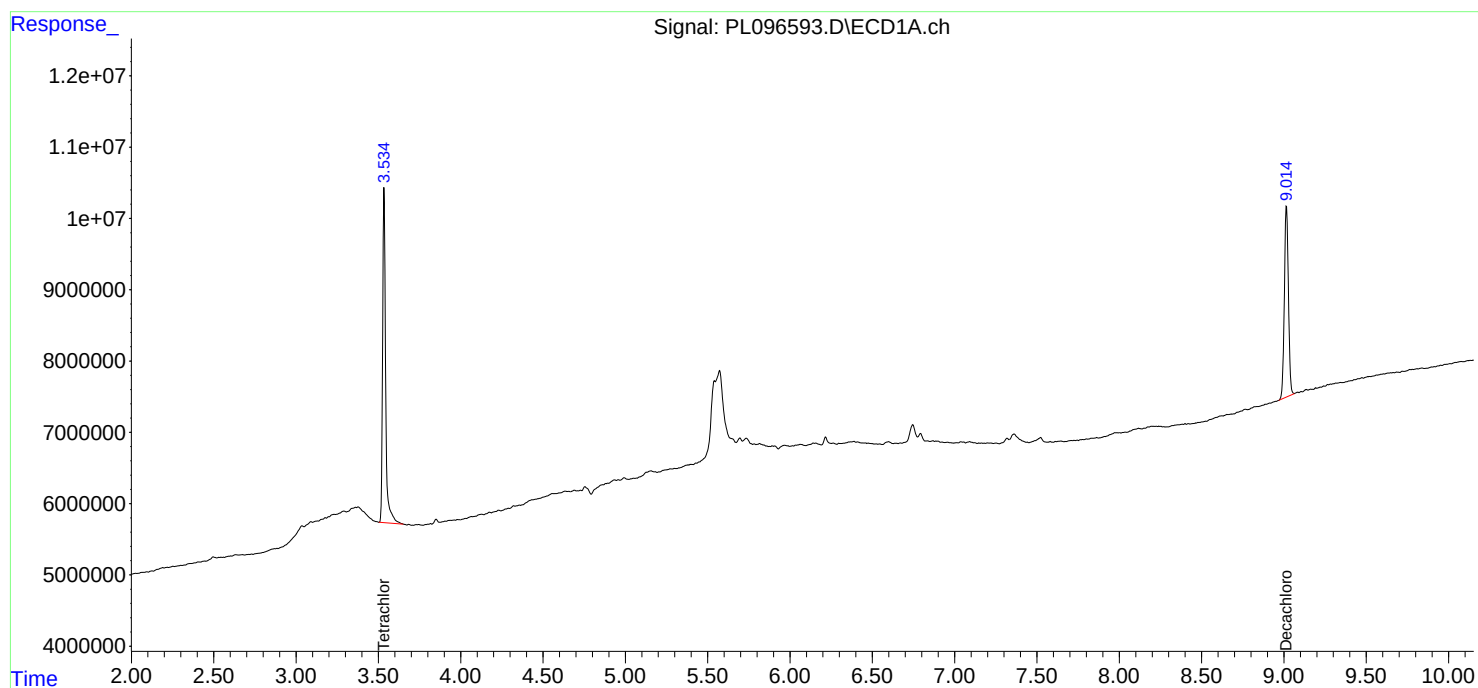
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

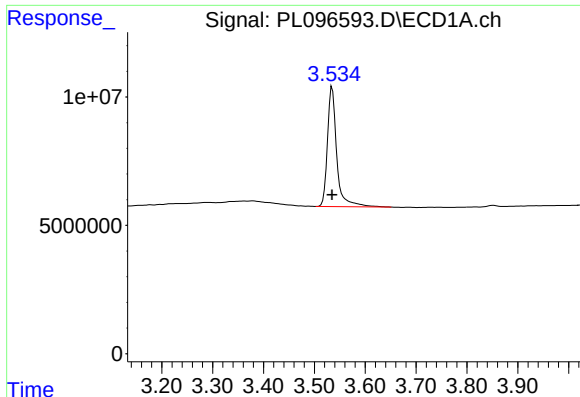
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:11
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:56:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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

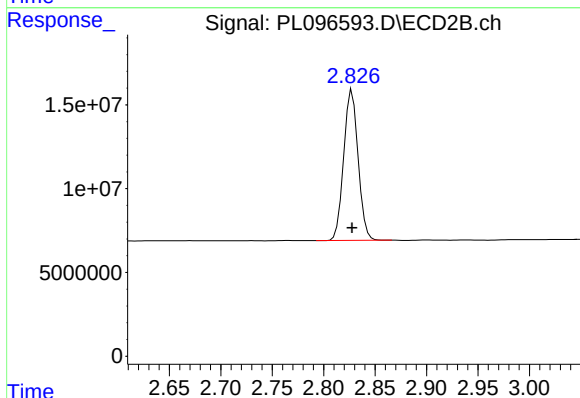




#1 Tetrachloro-m-xylene

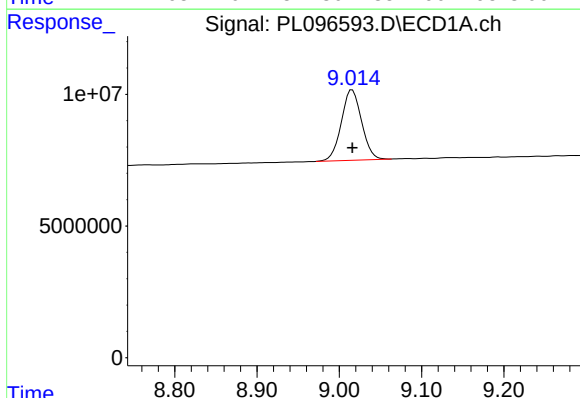
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 59301554
Conc: 18.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



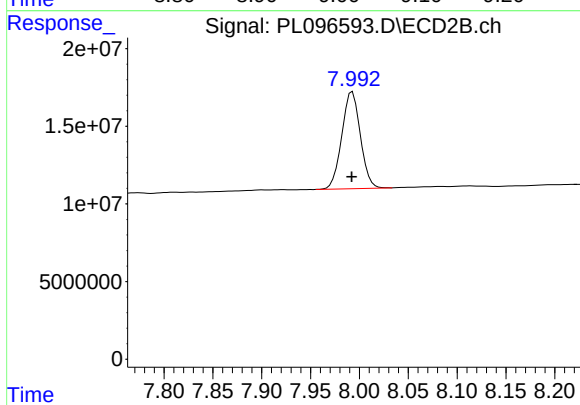
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 87523738
Conc: 18.32 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: 0.000 min
Response: 45808507
Conc: 19.21 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: 0.000 min
Response: 82684633
Conc: 19.06 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	08/18/25
Project:	Raymark Superfund Site	Date Received:	08/18/25
Client Sample ID:	PIBLK-PL096843.D	SDG No.:	Q2879
Lab Sample ID:	I.BLK-PL096843.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096843.D	1		08/18/25	PL081825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.000050	U	0.000017	0.000050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.3		30 - 135		112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.7		44 - 124		108%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	08/18/25	
Project:	Raymark Superfund Site		Date Received:	08/18/25	
Client Sample ID:	PIBLK-PL096843.D		SDG No.:	Q2879	
Lab Sample ID:	I.BLK-PL096843.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
PL096843.D	1		08/18/25	PL081825

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\PL081825\
Data File : PL096843.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 10:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 12:38:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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...	3.530	2.824	68910264	100.8E6	21.665	21.092
28)	SA Decachlor...	9.005	7.986	53212269	85741913	22.314m	19.764

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096843.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 10:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

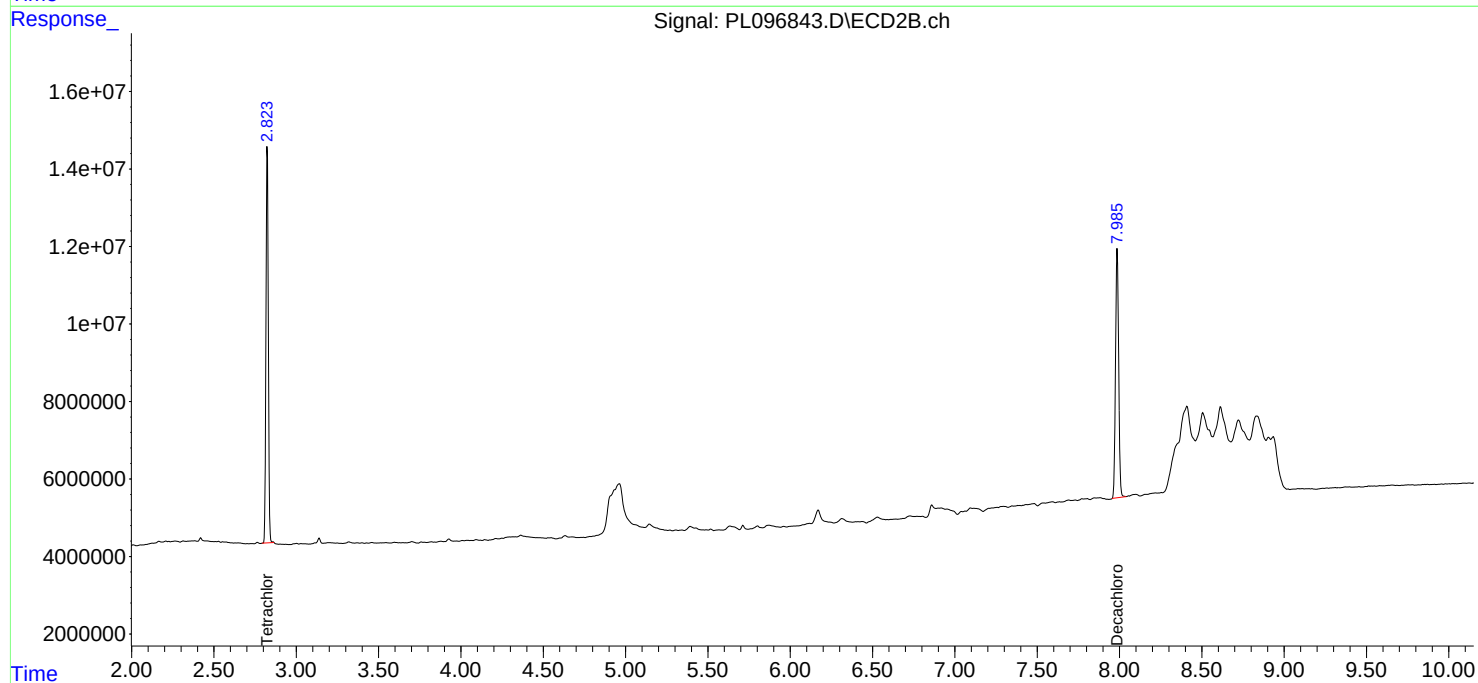
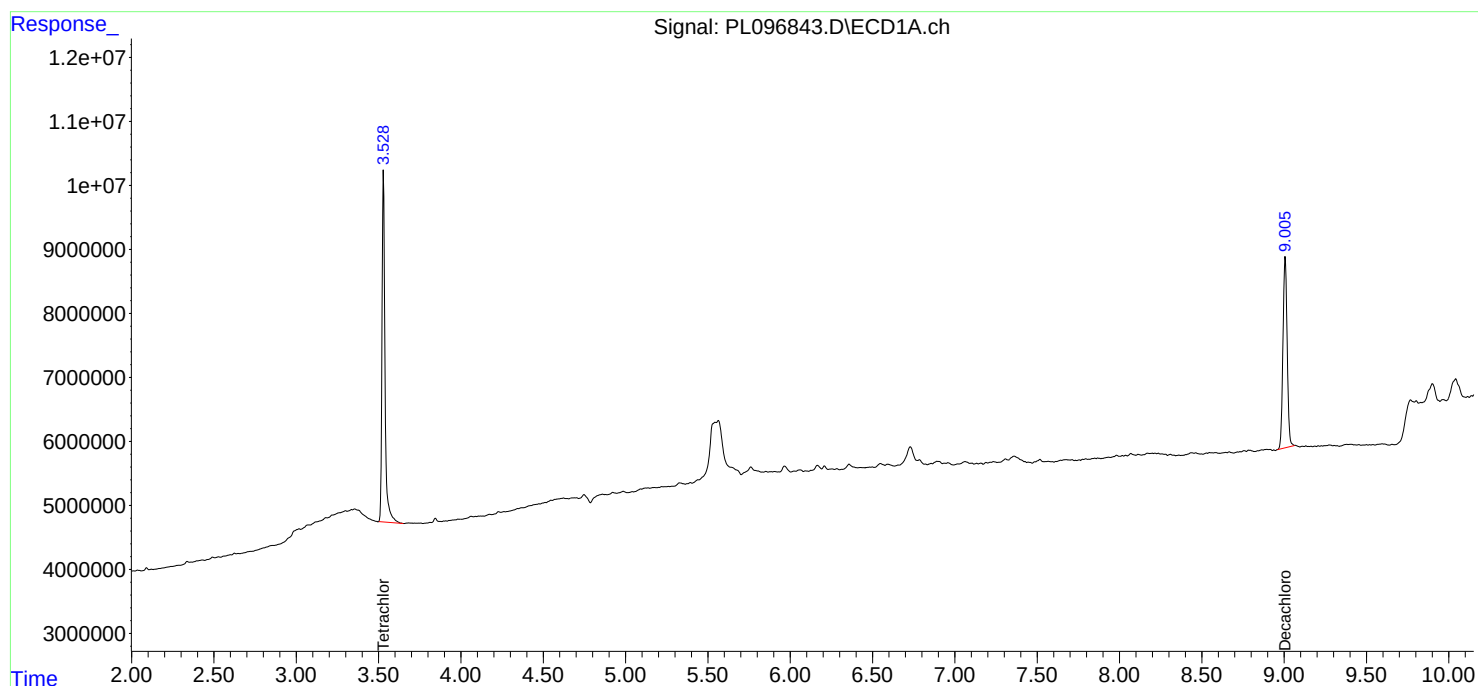
Instrument :
ECD_L
ClientSampleId :
I.BLK

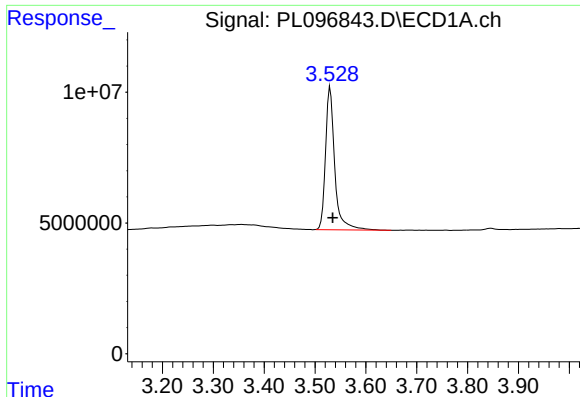
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/19/2025
Supervised By : mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 12:38:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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





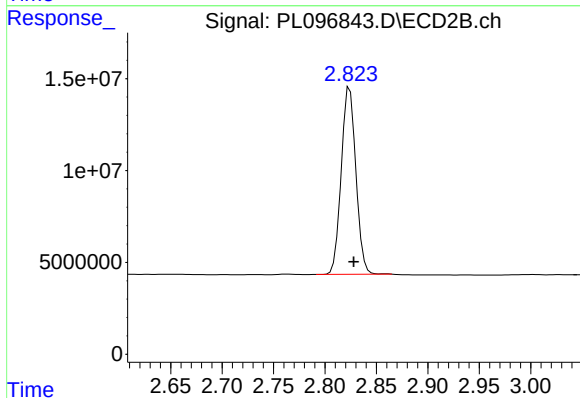
#1 Tetrachloro-m-xylene

R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 68910264
Conc: 21.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

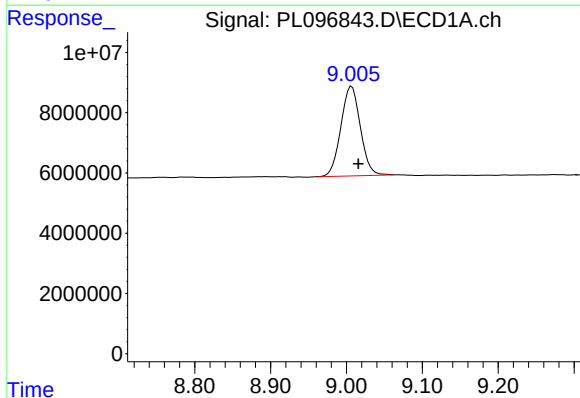
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



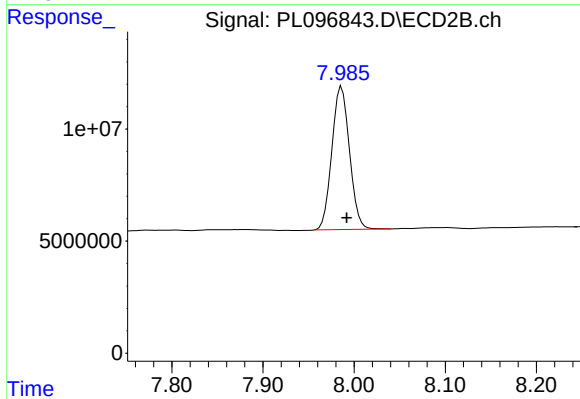
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: -0.004 min
Response: 100772432
Conc: 21.09 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.005 min
Delta R.T.: -0.010 min
Response: 53212269
Conc: 22.31 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 85741913
Conc: 19.76 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	08/18/25
Project:	Raymark Superfund Site	Date Received:	08/18/25
Client Sample ID:	PIBLK-PL096849.D	SDG No.:	Q2879
Lab Sample ID:	I.BLK-PL096849.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096849.D	1		08/18/25	PL081825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.000050	U	0.000017	0.000050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.3		30 - 135		111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		44 - 124		107%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	08/18/25	
Project:	Raymark Superfund Site		Date Received:	08/18/25	
Client Sample ID:	PIBLK-PL096849.D		SDG No.:	Q2879	
Lab Sample ID:	I.BLK-PL096849.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
PL096849.D	1		08/18/25	PL081825

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\PL081825\
 Data File : PL096849.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 12:39
 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: Aug 18 16:13:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.530	2.824	67219078	101.9E6	21.133	21.329
28)	SA Decachlor...	9.007	7.987	53146388	91268181	22.287	21.038

Target Compounds

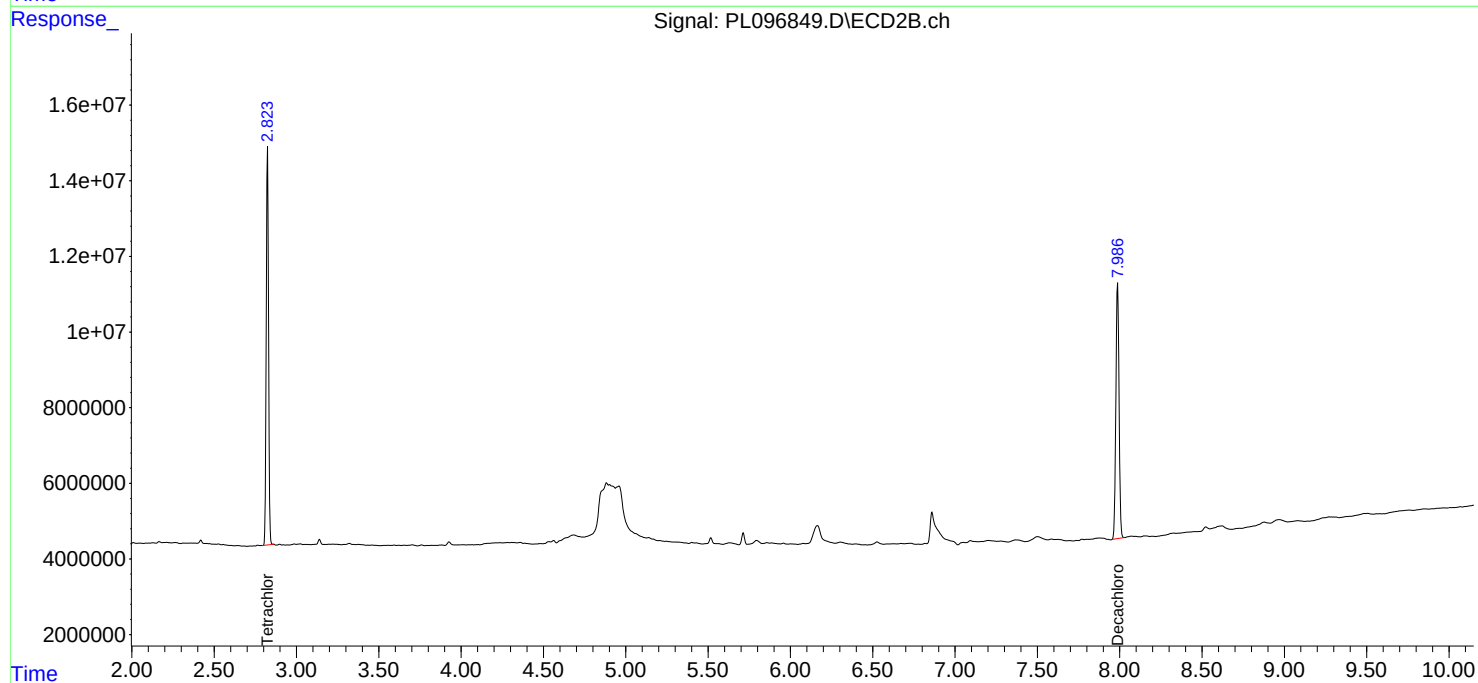
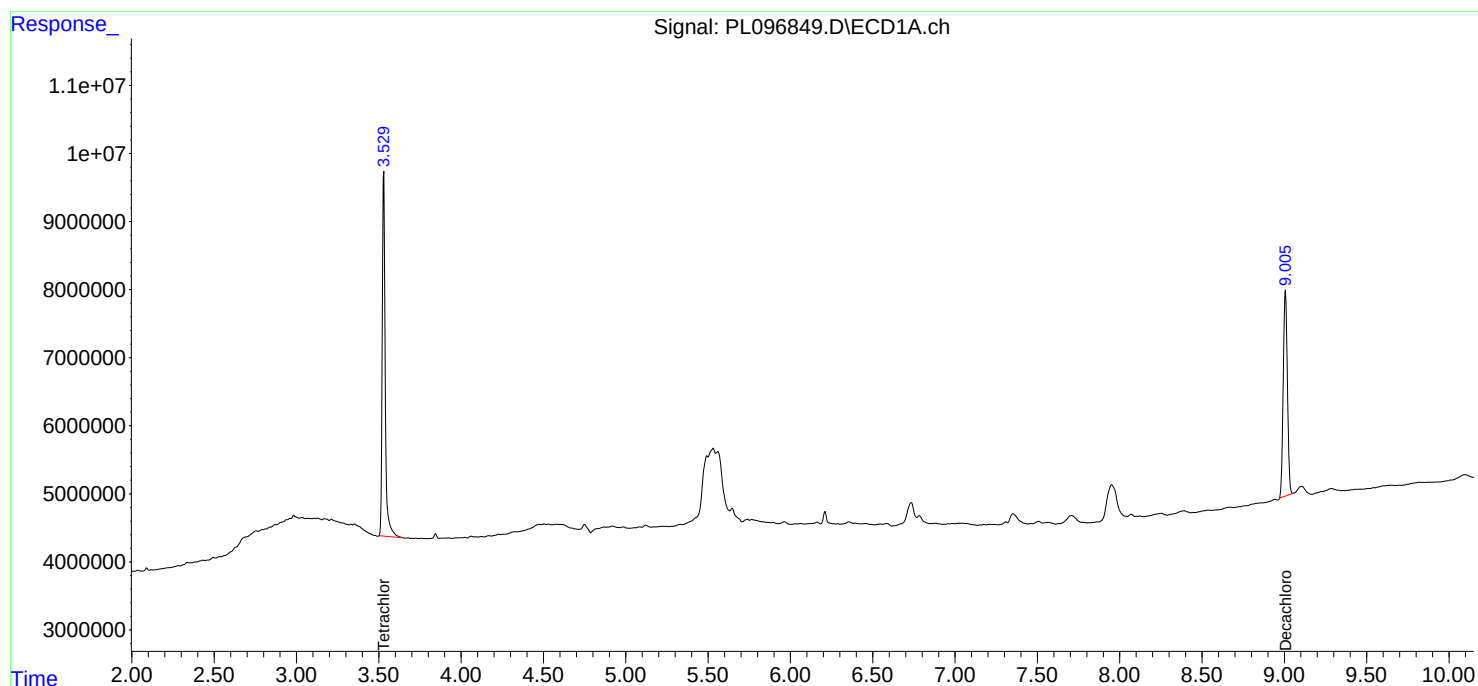
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 12:39
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

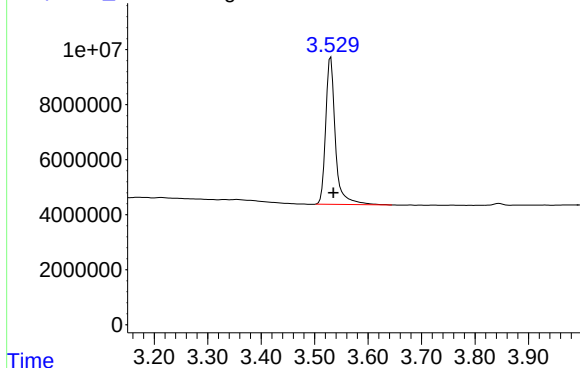
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 16:13:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PL096849.D\ECD1A.ch

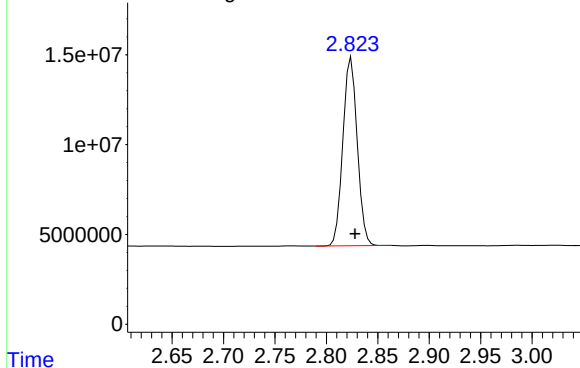


#1 Tetrachloro-m-xylene

R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 67219078
Conc: 21.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

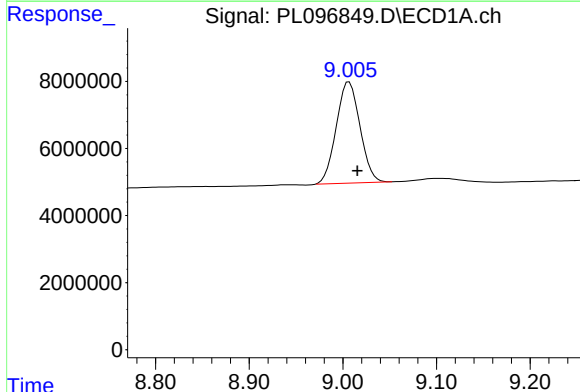
Response_ Signal: PL096849.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: -0.004 min
Response: 101903504
Conc: 21.33 ng/ml

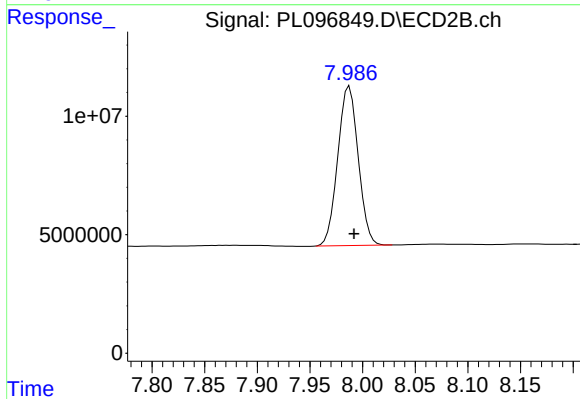
Response_ Signal: PL096849.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.007 min
Delta R.T.: -0.009 min
Response: 53146388
Conc: 22.29 ng/ml

Response_ Signal: PL096849.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 91268181
Conc: 21.04 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	08/18/25
Project:	Raymark Superfund Site	Date Received:	08/18/25
Client Sample ID:	PIBLK-PL096857.D	SDG No.:	Q2879
Lab Sample ID:	I.BLK-PL096857.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096857.D	1		08/18/25	pl081825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.000050	U	0.000017	0.000050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.5		30 - 135		112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.1		44 - 124		105%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	08/18/25	
Project:	Raymark Superfund Site		Date Received:	08/18/25	
Client Sample ID:	PIBLK-PL096857.D		SDG No.:	Q2879	
Lab Sample ID:	I.BLK-PL096857.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
PL096857.D	1		08/18/25	p1081825

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\PL081825\
 Data File : PL096857.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 16:57
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/19/2025
 Supervised By : mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:00:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.825	66964840	100.5E6	21.053	21.041
28) SA Decachlor...	9.002	7.984	53610964	95610379	22.482m	22.039m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096857.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 16:57
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

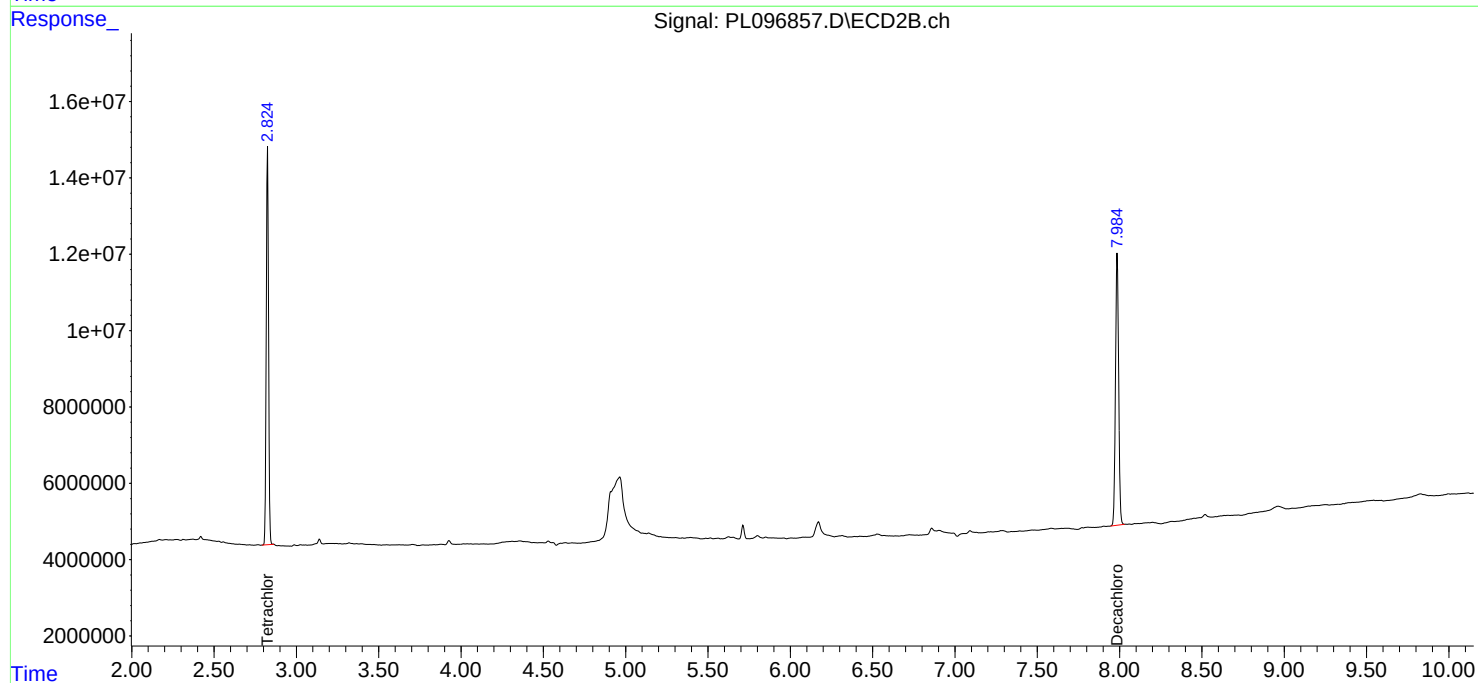
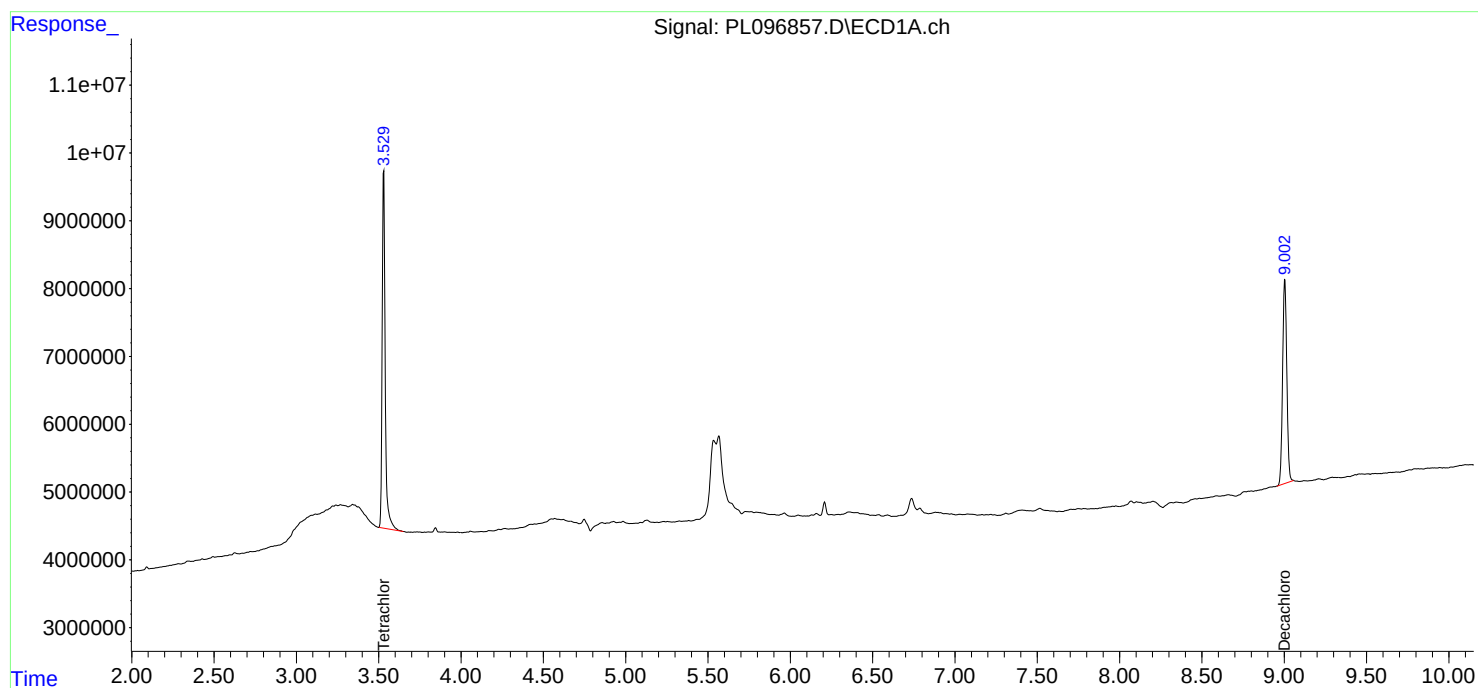
Instrument :
ECD_L
ClientSampleId :
I.BLK

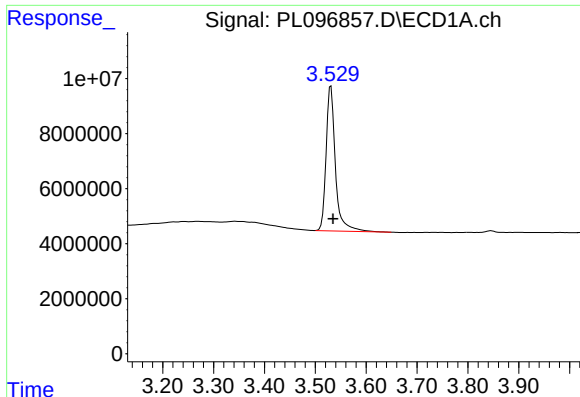
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/19/2025
Supervised By : mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 06:00:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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





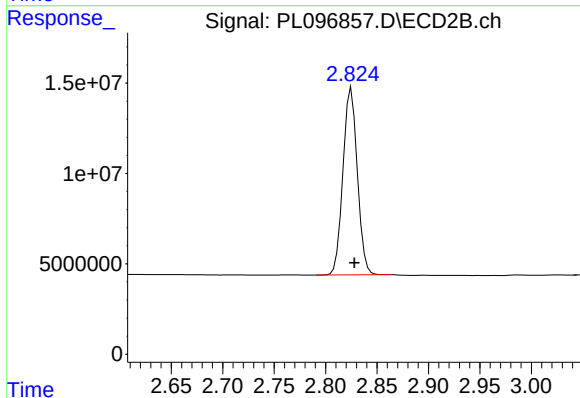
#1 Tetrachloro-m-xylene

R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 66964840
Conc: 21.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

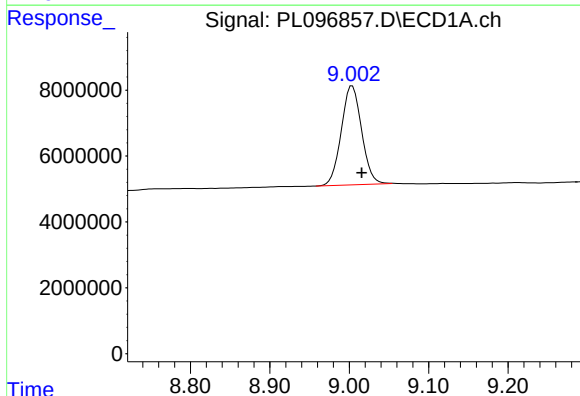
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



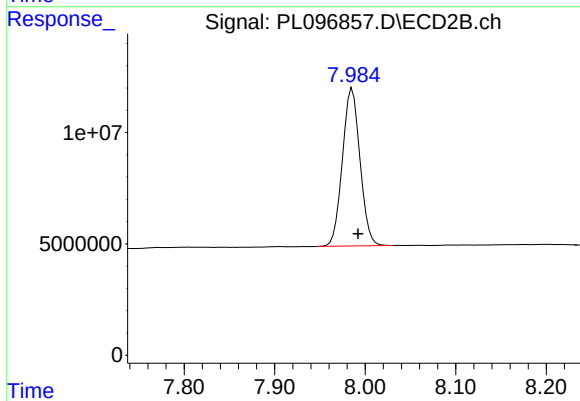
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 100526992
Conc: 21.04 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.002 min
Delta R.T.: -0.013 min
Response: 53610964
Conc: 22.48 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.984 min
Delta R.T.: -0.008 min
Response: 95610379
Conc: 22.04 ng/ml m

Report of Analysis

Client:	Nobis Group	Date Collected:	08/18/25
Project:	Raymark Superfund Site	Date Received:	08/18/25
Client Sample ID:	PIBLK-PL096866.D	SDG No.:	Q2879
Lab Sample ID:	I.BLK-PL096866.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096866.D	1		08/18/25	pl081825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.000050	U	0.000017	0.000050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.2		30 - 135		116%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		44 - 124		106%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	08/18/25	
Project:	Raymark Superfund Site		Date Received:	08/18/25	
Client Sample ID:	PIBLK-PL096866.D		SDG No.:	Q2879	
Lab Sample ID:	I.BLK-PL096866.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
PL096866.D	1		08/18/25	p1081825

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\PL081825\
 Data File : PL096866.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 19:00
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/19/2025
 Supervised By : mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:01:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.826	67669168	98635574	21.274	20.645
28) SA Decachlor...	9.002	7.986	55332211	90109887	23.203m	20.771

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096866.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 19:00
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

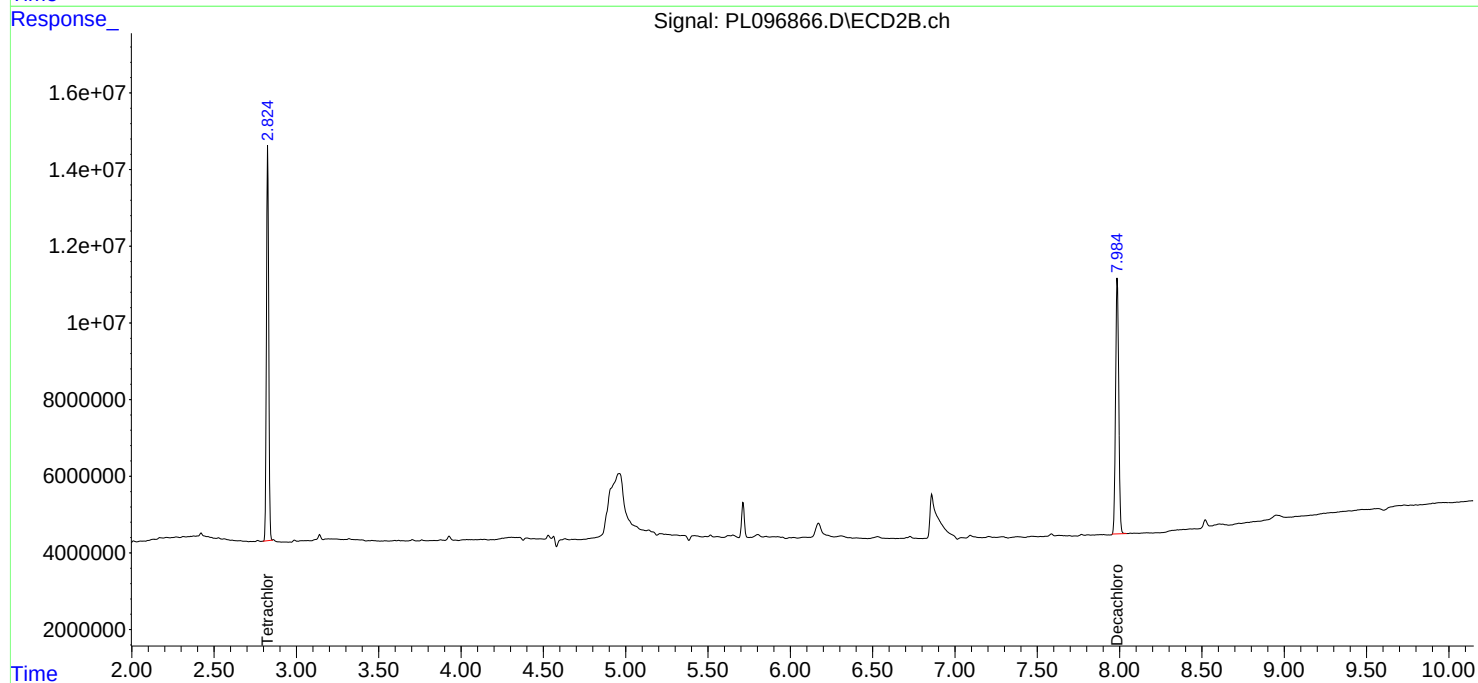
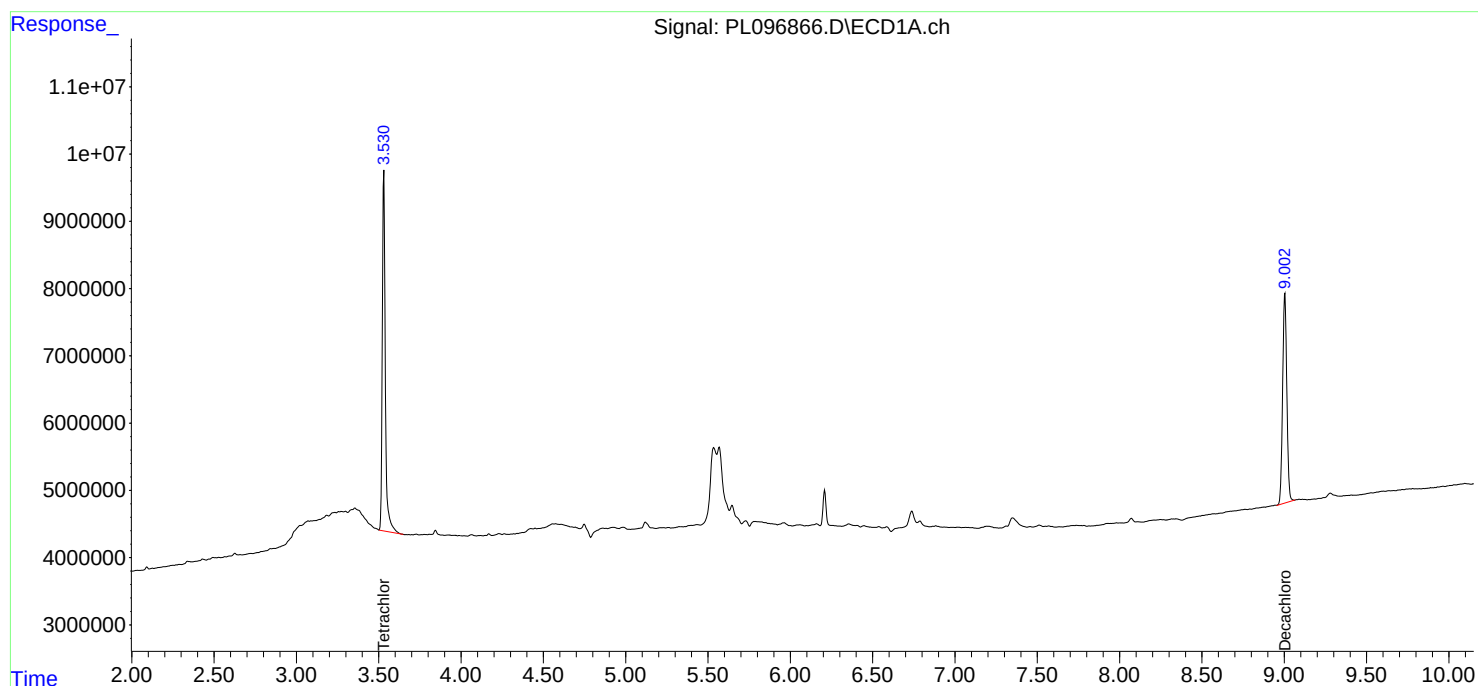
Instrument :
ECD_L
ClientSampleId :
I.BLK

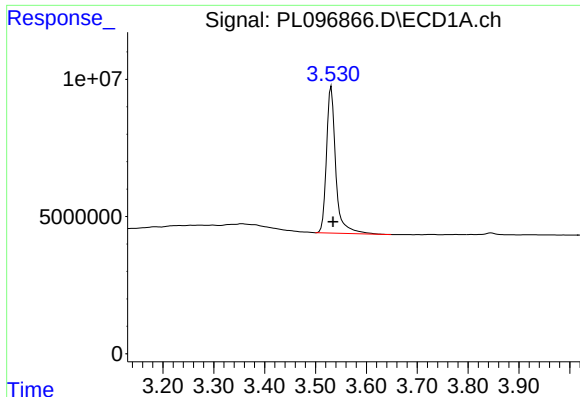
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 06:01:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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





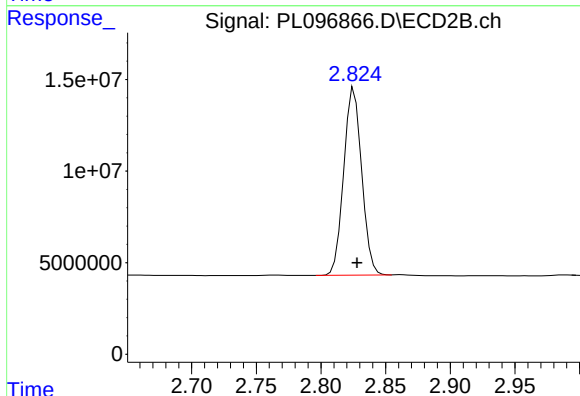
#1 Tetrachloro-m-xylene

R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 67669168
Conc: 21.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

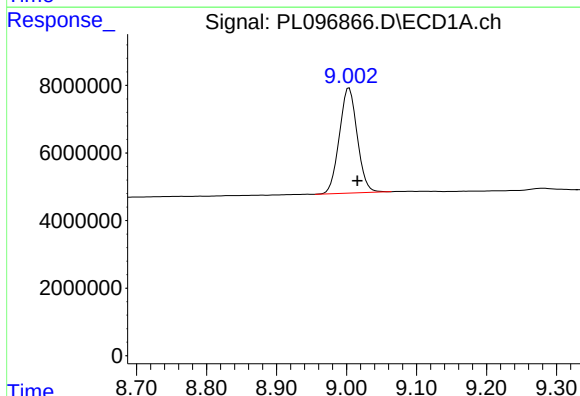
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



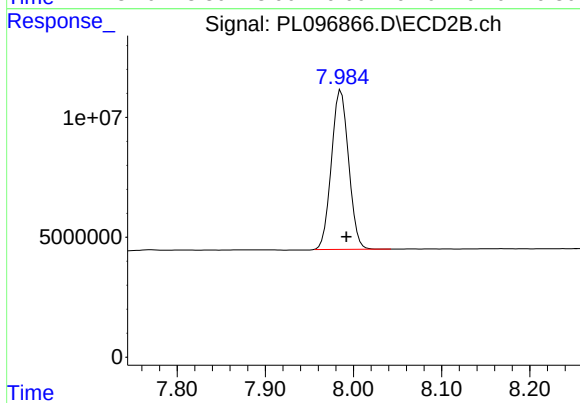
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 98635574
Conc: 20.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.002 min
Delta R.T.: -0.013 min
Response: 55332211
Conc: 23.20 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 90109887
Conc: 20.77 ng/ml

Report of Analysis

Client:	Nobis Group		Date Collected:	08/19/25	
Project:	Raymark Superfund Site		Date Received:	08/19/25	
Client Sample ID:	PIBLK-PL096881.D		SDG No.:	Q2879	
Lab Sample ID:	I.BLK-PL096881.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
PL096881.D	1		08/19/25	pl081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.000050	U	0.000017	0.000050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.0		30 - 135		120%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.1		44 - 124		115%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	08/19/25	
Project:	Raymark Superfund Site		Date Received:	08/19/25	
Client Sample ID:	PIBLK-PL096881.D		SDG No.:	Q2879	
Lab Sample ID:	I.BLK-PL096881.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
PL096881.D	1		08/19/25	p1081925

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\PL081925\
 Data File : PL096881.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 08:48
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/20/2025
 Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 20 10:02:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.530	2.825	73411079	102.5E6	23.080	21.446
28) SA Decachlor...	9.004	7.986	57175585	83325708	23.976m	19.207

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
Data File : PL096881.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 08:48
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

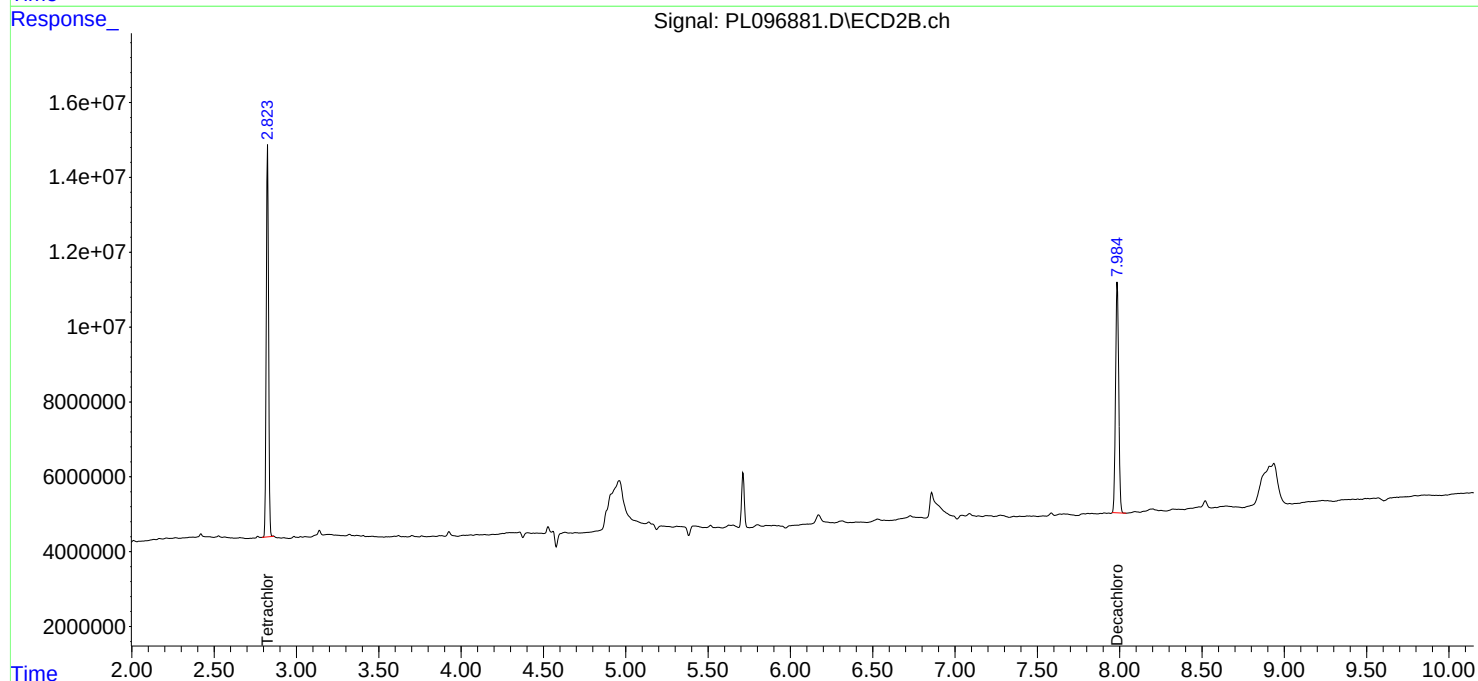
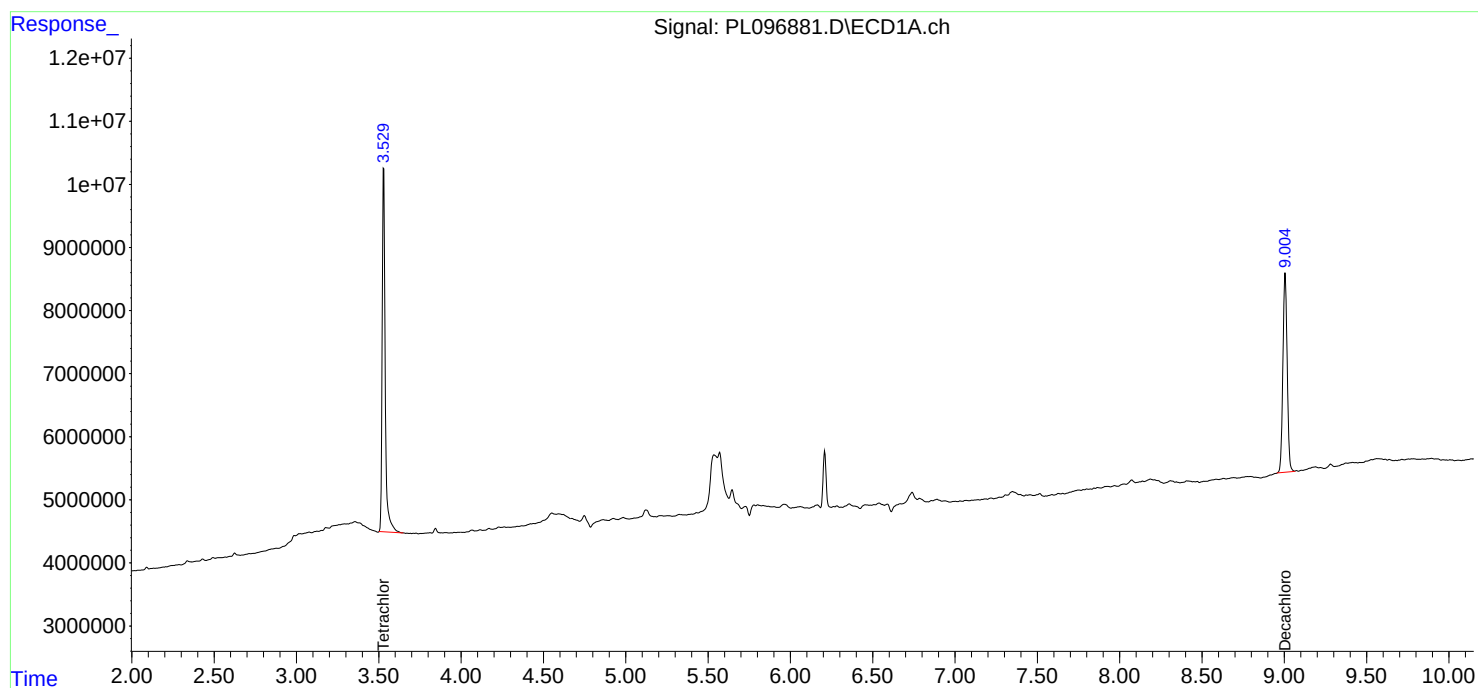
Instrument :
ECD_L
ClientSampleId :
I.BLK

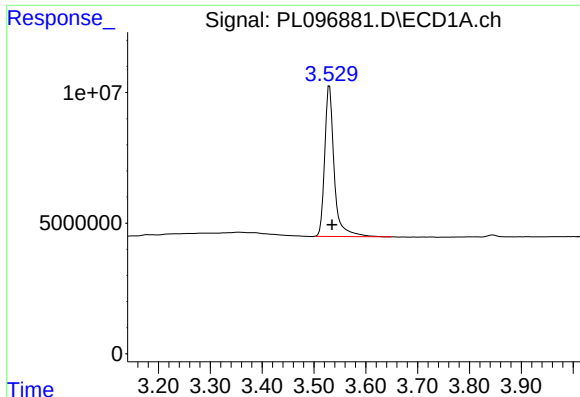
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:02:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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





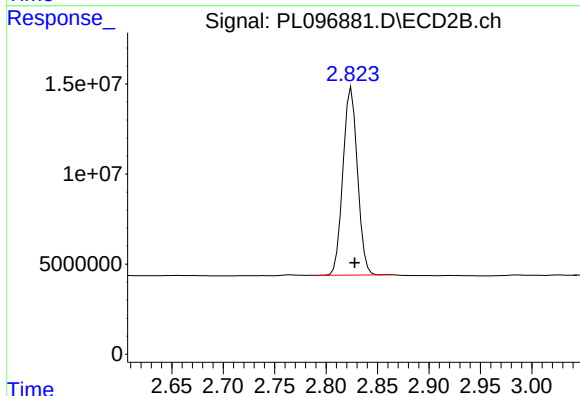
#1 Tetrachloro-m-xylene

R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 73411079
Conc: 23.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

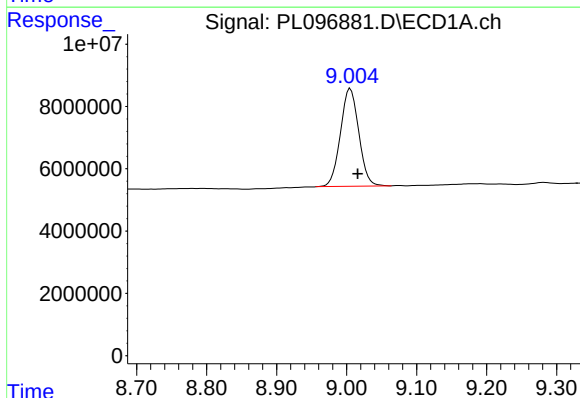
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



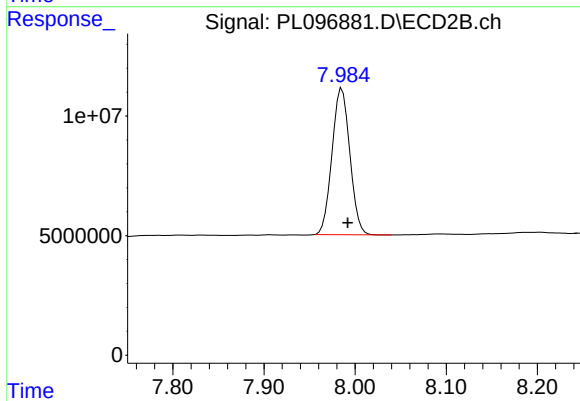
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 102462254
Conc: 21.45 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.012 min
Response: 57175585
Conc: 23.98 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 83325708
Conc: 19.21 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	08/19/25
Project:	Raymark Superfund Site	Date Received:	08/19/25
Client Sample ID:	PIBLK-PL096894.D	SDG No.:	Q2879
Lab Sample ID:	I.BLK-PL096894.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096894.D	1		08/19/25	pl081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.000010	U	0.0000039	0.000010	0.000050	mg/L
319-85-7	beta-BHC	0.000010	U	0.0000049	0.000010	0.000050	mg/L
319-86-8	delta-BHC	0.000025	U	0.000011	0.000025	0.000050	mg/L
58-89-9	gamma-BHC (Lindane)	0.000010	U	0.0000037	0.000010	0.000050	mg/L
76-44-8	Heptachlor	0.000010	U	0.0000027	0.000010	0.000050	mg/L
309-00-2	Aldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
1024-57-3	Heptachlor epoxide	0.000025	U	0.0000096	0.000025	0.000050	mg/L
959-98-8	Endosulfan I	0.000010	U	0.0000031	0.000010	0.000050	mg/L
60-57-1	Dieldrin	0.000010	U	0.0000036	0.000010	0.000050	mg/L
72-55-9	4,4-DDE	0.000010	U	0.0000037	0.000010	0.000050	mg/L
72-20-8	Endrin	0.000010	U	0.0000032	0.000010	0.000050	mg/L
33213-65-9	Endosulfan II	0.000025	U	0.0000079	0.000025	0.000050	mg/L
72-54-8	4,4-DDD	0.000025	U	0.0000071	0.000025	0.000050	mg/L
1031-07-8	Endosulfan Sulfate	0.000010	U	0.0000037	0.000010	0.000050	mg/L
50-29-3	4,4-DDT	0.000010	U	0.0000035	0.000010	0.000050	mg/L
72-43-5	Methoxychlor	0.000025	U	0.000011	0.000025	0.000050	mg/L
53494-70-5	Endrin ketone	0.000025	U	0.0000093	0.000025	0.000050	mg/L
7421-93-4	Endrin aldehyde	0.000025	U	0.000011	0.000025	0.000050	mg/L
5103-71-9	alpha-Chlordane	0.000010	U	0.0000035	0.000010	0.000050	mg/L
5103-74-2	gamma-Chlordane	0.000010	U	0.0000039	0.000010	0.000050	mg/L
8001-35-2	Toxaphene	0.000050	U	0.000017	0.000050	0.0010	mg/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.7		30 - 135		124%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.3		44 - 124		117%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	08/19/25	
Project:	Raymark Superfund Site		Date Received:	08/19/25	
Client Sample ID:	PIBLK-PL096894.D		SDG No.:	Q2879	
Lab Sample ID:	I.BLK-PL096894.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
PL096894.D	1		08/19/25	p1081925

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\PL081925\
 Data File : PL096894.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 15:07
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/20/2025
 Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 20 01:37:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.530	2.825	72573309	111.3E6	22.816	23.304
28)	SA Decachlor...	9.002	7.986	58976343	87095585	24.732m	20.076

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
Data File : PL096894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 15:07
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

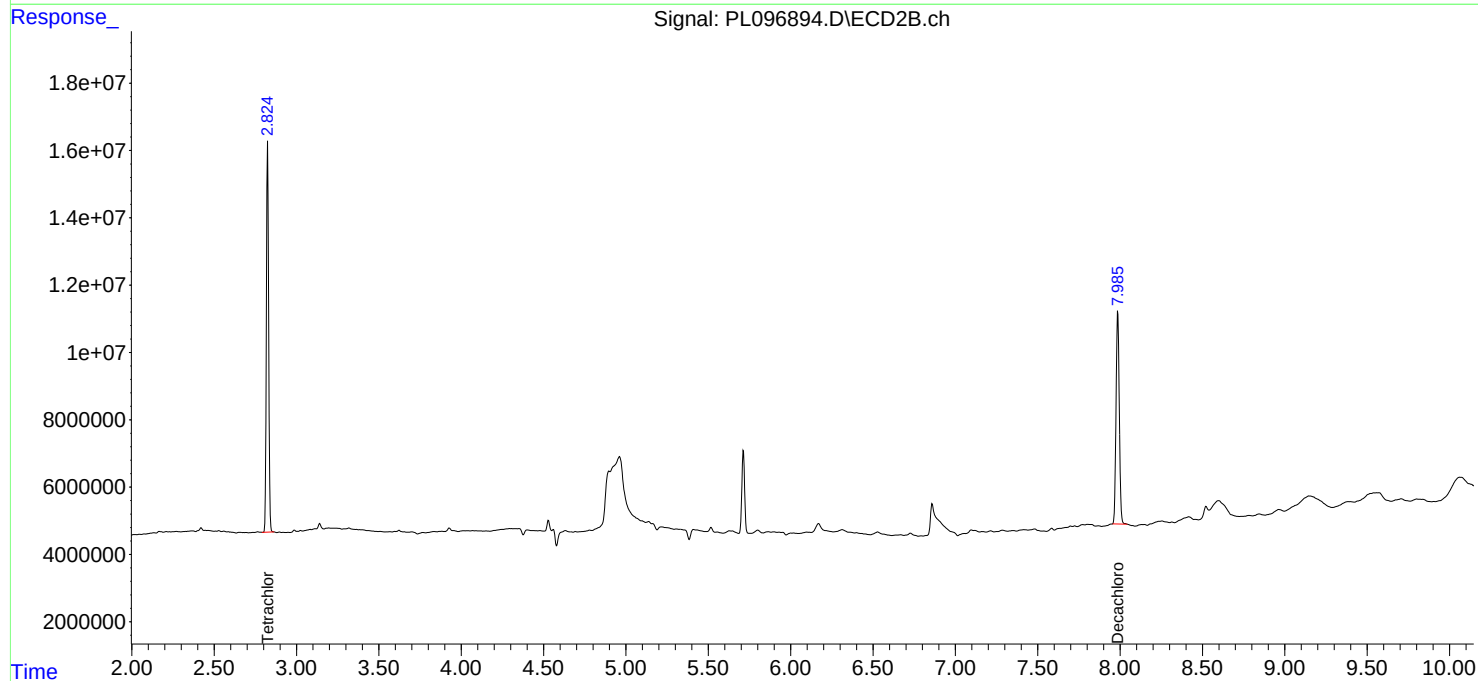
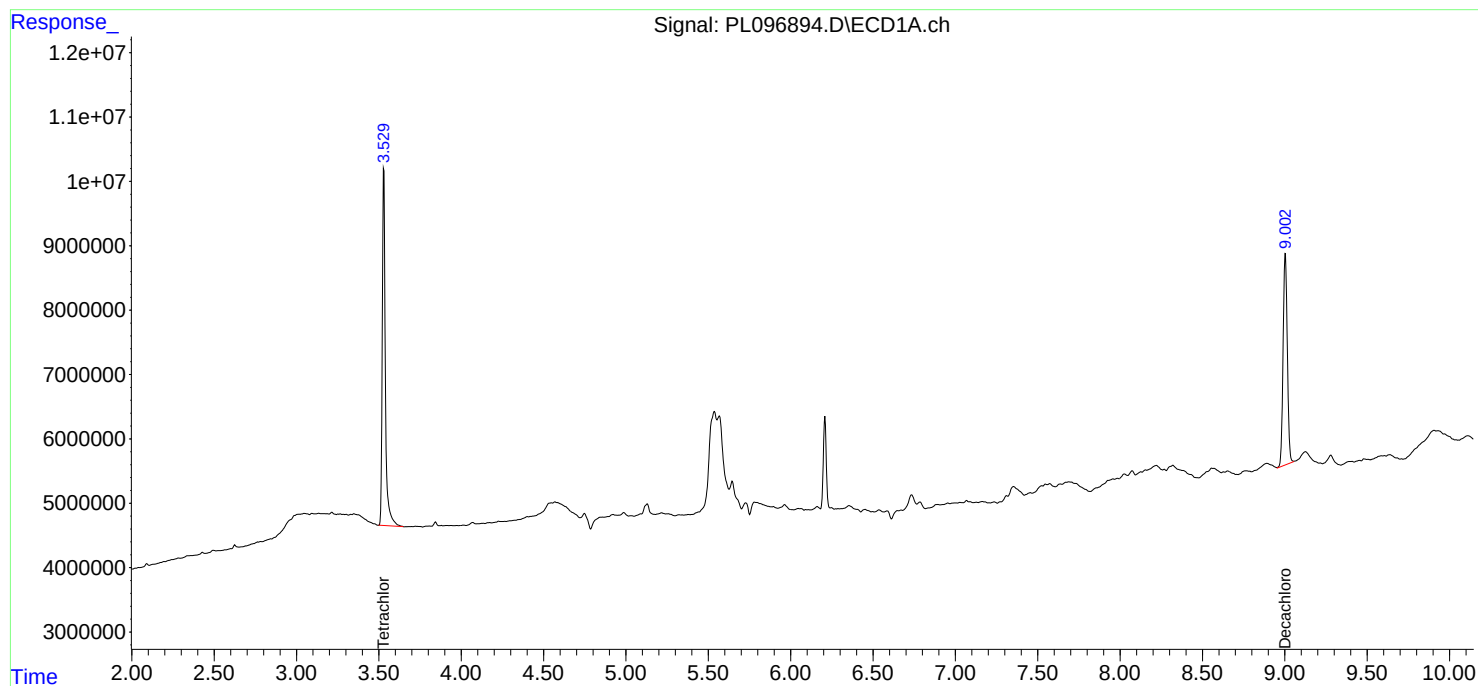
Instrument :
ECD_L
ClientSampleId :
I.BLK

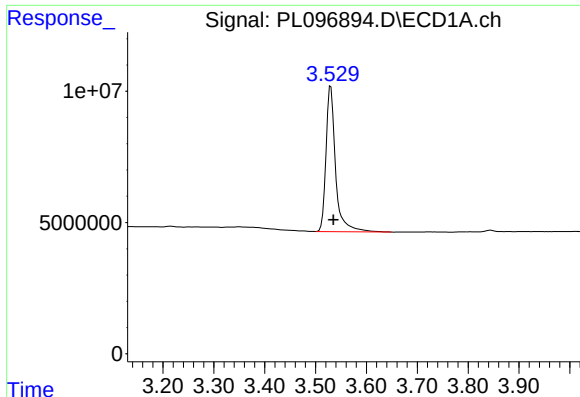
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 01:37:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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





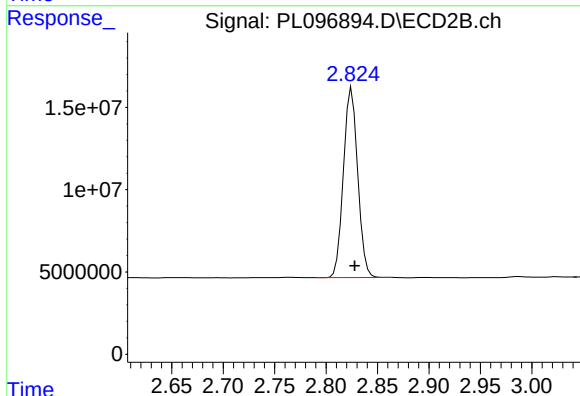
#1 Tetrachloro-m-xylene

R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 72573309
Conc: 22.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

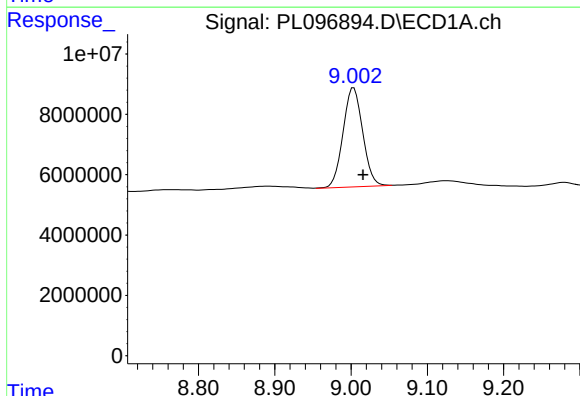
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



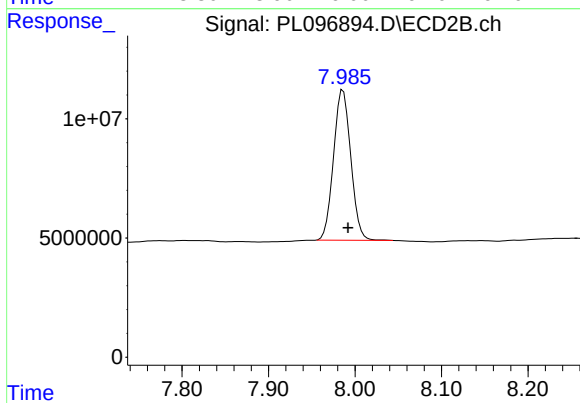
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 111343504
Conc: 23.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.002 min
Delta R.T.: -0.014 min
Response: 58976343
Conc: 24.73 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 87095585
Conc: 20.08 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB169283BS	SDG No.:	Q2879
Lab Sample ID:	PB169283BS	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
PL096893.D	1	08/18/25 08:06	08/19/25 14:53	PB169283

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.017		0.00013	0.00033	0.0017	mg/Kg
319-85-7	beta-BHC	0.017		0.00018	0.00083	0.0017	mg/Kg
319-86-8	delta-BHC	0.017		0.00039	0.00083	0.0017	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.017		0.00014	0.00033	0.0017	mg/Kg
76-44-8	Heptachlor	0.017		0.00012	0.00033	0.0017	mg/Kg
309-00-2	Aldrin	0.016		0.00012	0.00033	0.0017	mg/Kg
1024-57-3	Heptachlor epoxide	0.017		0.00019	0.00083	0.0017	mg/Kg
959-98-8	Endosulfan I	0.016		0.00014	0.00033	0.0017	mg/Kg
60-57-1	Dieldrin	0.016		0.00014	0.00033	0.0017	mg/Kg
72-55-9	4,4-DDE	0.016		0.00014	0.00033	0.0017	mg/Kg
72-20-8	Endrin	0.016		0.00014	0.00033	0.0017	mg/Kg
33213-65-9	Endosulfan II	0.015		0.00029	0.00083	0.0017	mg/Kg
72-54-8	4,4-DDD	0.016		0.00015	0.00033	0.0017	mg/Kg
1031-07-8	Endosulfan Sulfate	0.015		0.00013	0.00033	0.0017	mg/Kg
50-29-3	4,4-DDT	0.015		0.00014	0.00033	0.0017	mg/Kg
72-43-5	Methoxychlor	0.015		0.00037	0.00083	0.0017	mg/Kg
53494-70-5	Endrin ketone	0.015		0.00019	0.00083	0.0017	mg/Kg
7421-93-4	Endrin aldehyde	0.016		0.00037	0.00083	0.0017	mg/Kg
5103-71-9	alpha-Chlordane	0.016		0.00012	0.00033	0.0017	mg/Kg
5103-74-2	gamma-Chlordane	0.016		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	20.3		55 - 130		101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.2		42 - 129		96%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:		
Project:	Raymark Superfund Site		Date Received:		
Client Sample ID:	PB169283BS		SDG No.:	Q2879	
Lab Sample ID:	PB169283BS		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
PL096893.D	1	08/18/25 08:06	08/19/25 14:53	PB169283

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\PL081925\
 Data File : PL096893.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 14:53
 Operator : AR\AJ
 Sample : PB169283BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB169283BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/20/2025
 Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 20 01:37:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.530	2.826	58810125	91631731	18.489	19.179
28)	SA Decachlor...	9.004	7.986	48391353	70243715	20.293	16.191
Target Compounds							
2)	A alpha-BHC	3.976	3.331	235.5E6	359.4E6	50.909m	50.782
3)	MA gamma-BHC...	4.303	3.663	220.8E6	331.3E6	49.913m	50.170
4)	MA Heptachlor	4.896	4.011	214.3E6	321.8E6	51.577	48.305
5)	MB Aldrin	5.234	4.293	206.5E6	301.3E6	48.002m	48.549
6)	B beta-BHC	4.490	3.959	90500058	138.0E6	50.139m	48.907
7)	B delta-BHC	4.737	4.192	203.4E6	316.9E6	50.991	48.960
8)	B Heptachlo...	5.655	4.795	190.6E6	267.4E6	49.429	46.822
9)	A Endosulfan I	6.037	5.166	168.3E6	242.0E6	46.811	43.744
10)	B gamma-Chl...	5.908	5.047	186.4E6	274.2E6	48.987	46.630
11)	B alpha-Chl...	5.989	5.111	183.7E6	267.6E6	47.667	45.373
12)	B 4,4'-DDE	6.159	5.299	154.3E6	250.8E6	48.053	45.484
13)	MA Dieldrin	6.307	5.430	173.7E6	265.1E6	46.810m	44.891
14)	MA Endrin	6.533	5.705	143.7E6	233.4E6	47.480m	43.171
15)	B Endosulfa...	6.748	5.996	147.2E6	219.6E6	45.952	42.751
16)	A 4,4'-DDD	6.667	5.852	123.6E6	204.3E6	48.881	43.412
17)	MA 4,4'-DDT	6.982	6.104	129.1E6	207.2E6	45.035	40.962
18)	B Endrin al...	6.876	6.175	104.9E6	162.8E6	48.900	44.794
19)	B Endosulfa...	7.109	6.398	127.7E6	206.4E6	44.442	40.571
20)	A Methoxychlor	7.454	6.676	65349344	109.3E6	44.505	39.874
21)	B Endrin ke...	7.589	6.902	135.2E6	218.0E6	44.953	39.137
22)	Mirex	8.066	7.092	112.6E6	171.9E6	45.411m	39.417

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
Data File : PL096893.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 14:53
Operator : AR\AJ
Sample : PB169283BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB169283BS

Manual Integrations

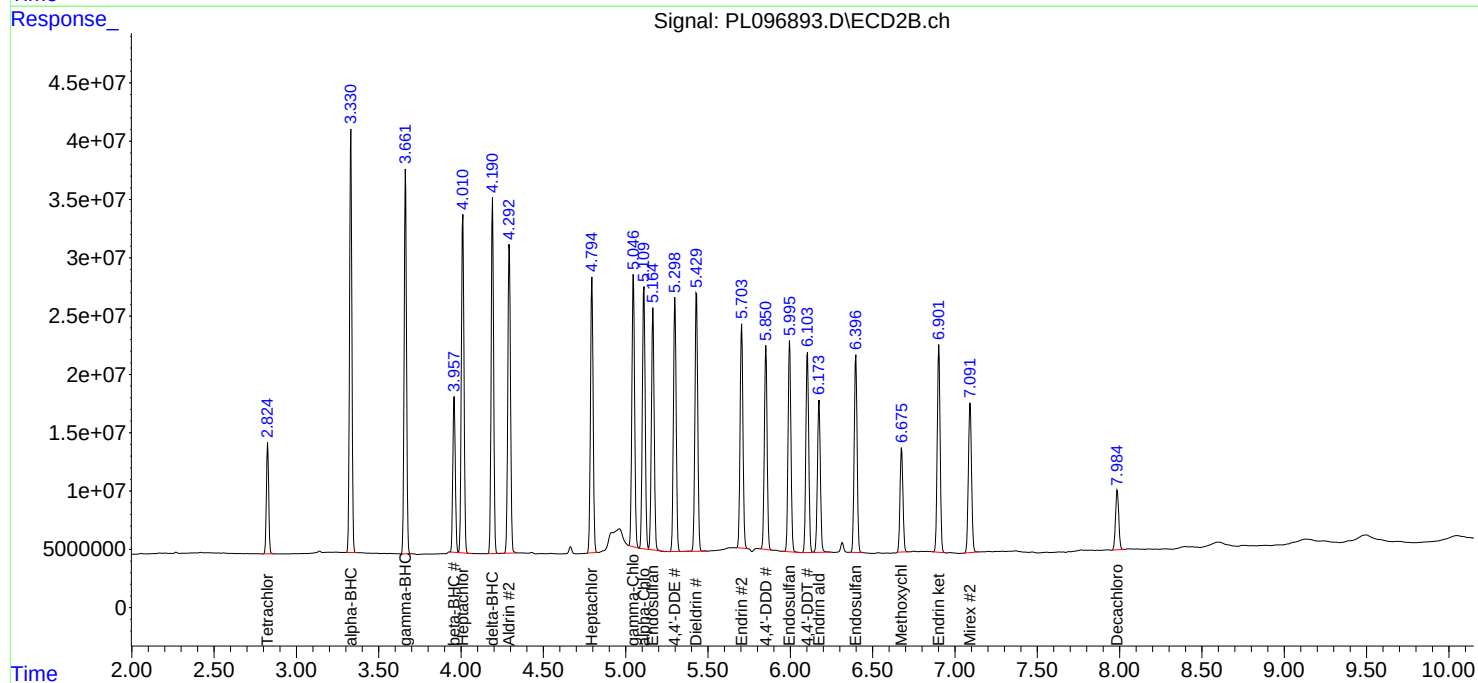
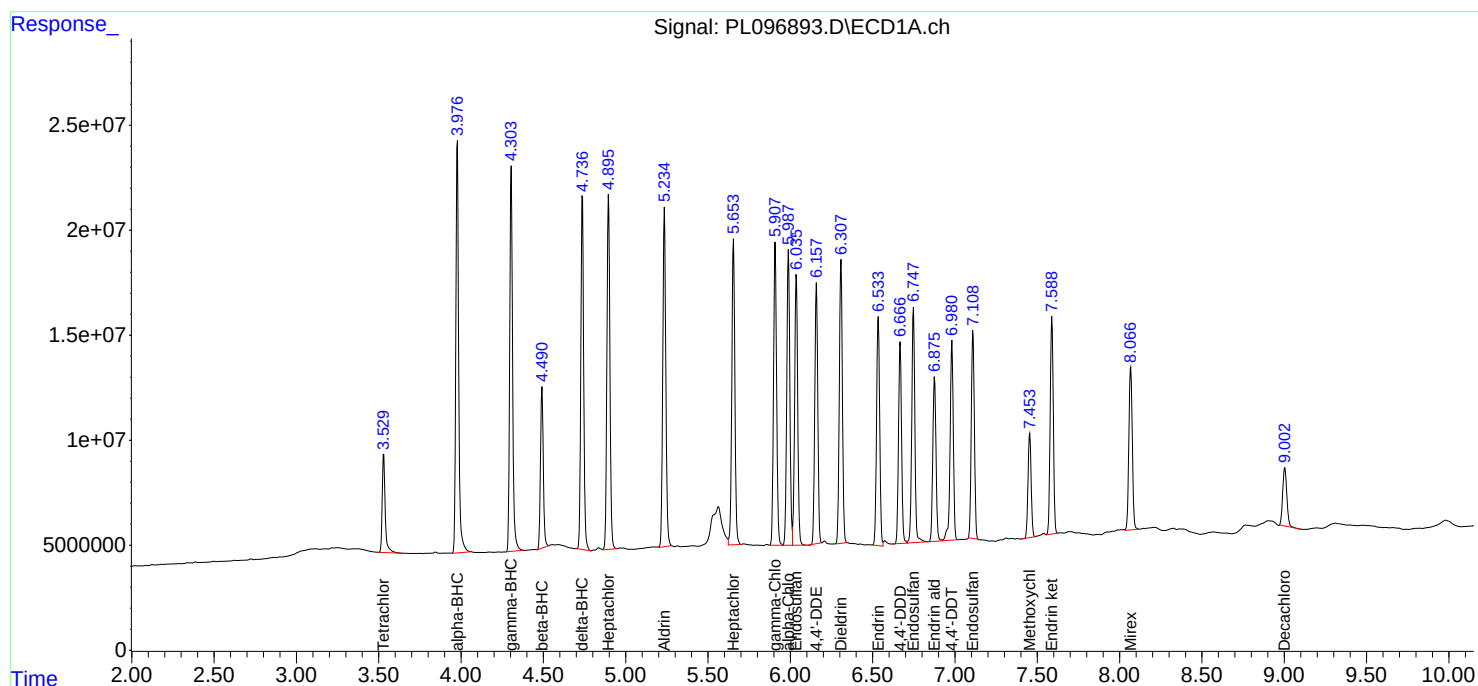
APPROVED

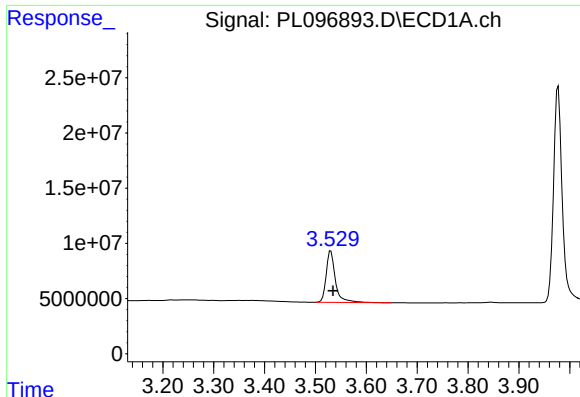
Reviewed By :Abdul Mirza 08/20/2025

Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 01:37:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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





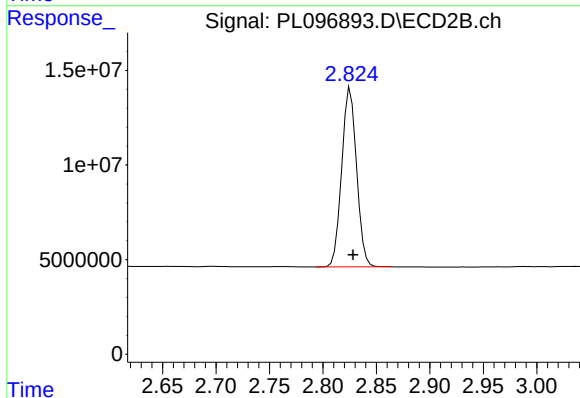
#1 Tetrachloro-m-xylene

R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 58810125
Conc: 18.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

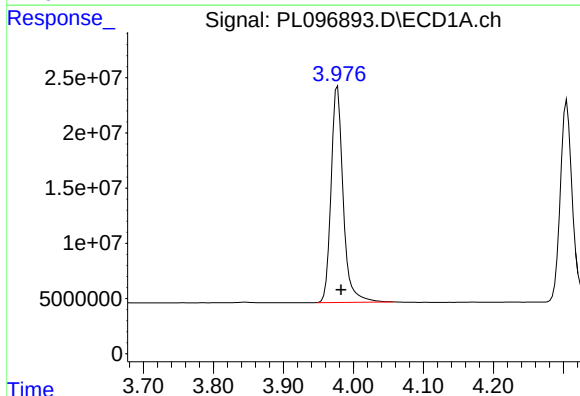
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



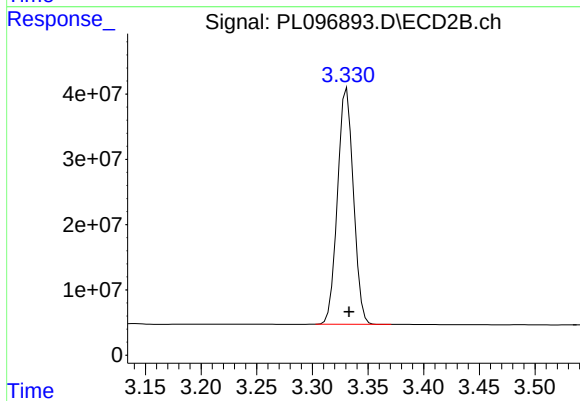
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 91631731
Conc: 19.18 ng/ml



#2 alpha-BHC

R.T.: 3.976 min
Delta R.T.: -0.006 min
Response: 235522940
Conc: 50.91 ng/ml m

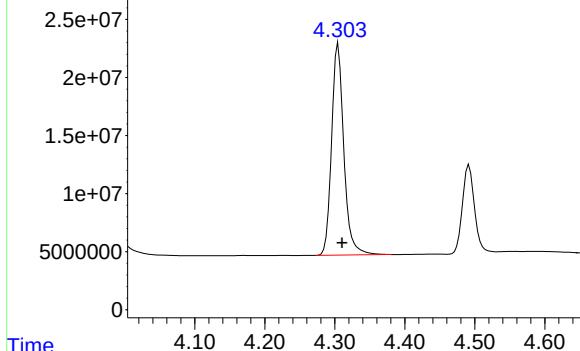


#2 alpha-BHC

R.T.: 3.331 min
Delta R.T.: -0.002 min
Response: 359386141
Conc: 50.78 ng/ml

Response_ Signal: PL096893.D\ECD1A.ch

#3 gamma-BHC (Lindane)



R.T.: 4.303 min
Delta R.T.: -0.007 min
Response: 220786623
Conc: 49.91 ng/ml

Instrument :

ECD_L

ClientSampleId :

PB169283BS

Manual Integrations

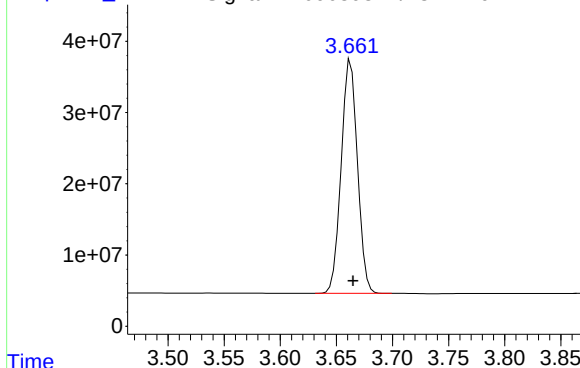
APPROVED

Reviewed By :Abdul Mirza 08/20/2025

Supervised By :mohammad ahmed 08/21/2025

Time Response_ Signal: PL096893.D\ECD2B.ch

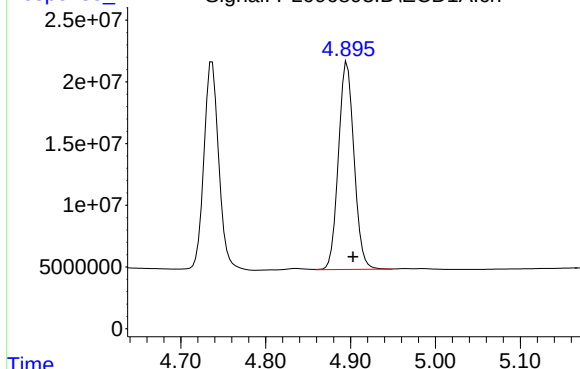
#3 gamma-BHC (Lindane)



R.T.: 3.663 min
Delta R.T.: -0.002 min
Response: 331288580
Conc: 50.17 ng/ml

Time Response_ Signal: PL096893.D\ECD1A.ch

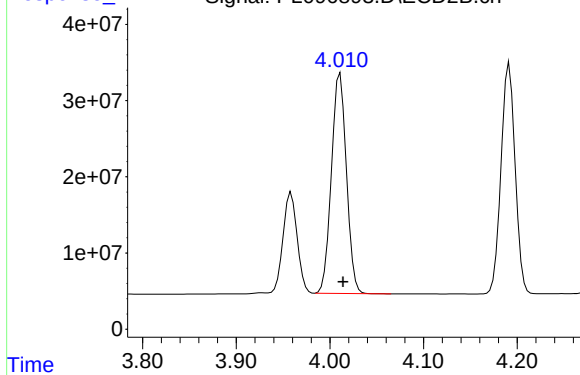
#4 Heptachlor



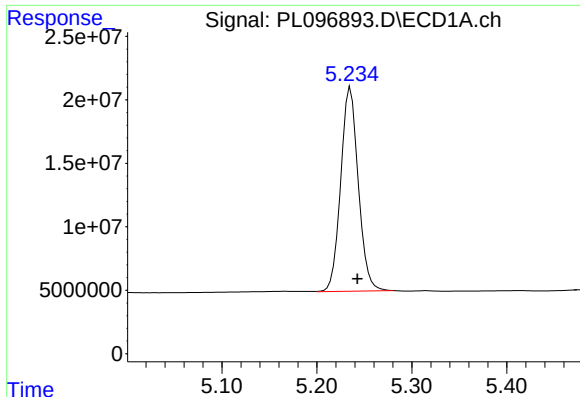
R.T.: 4.896 min
Delta R.T.: -0.007 min
Response: 214337811
Conc: 51.58 ng/ml

Time Response_ Signal: PL096893.D\ECD2B.ch

#4 Heptachlor



R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 321804994
Conc: 48.30 ng/ml



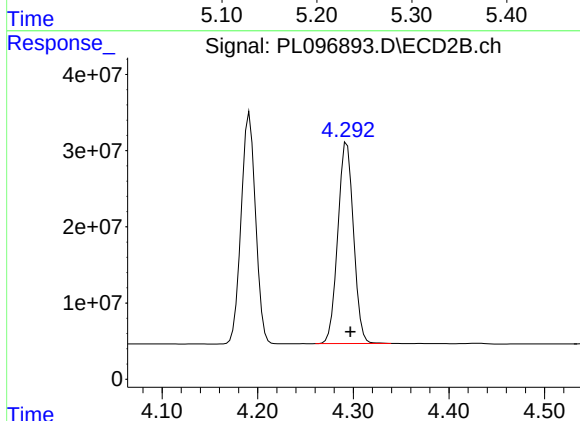
#5 Aldrin

R.T.: 5.234 min
Delta R.T.: -0.009 min
Response: 206458392
Conc: 48.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

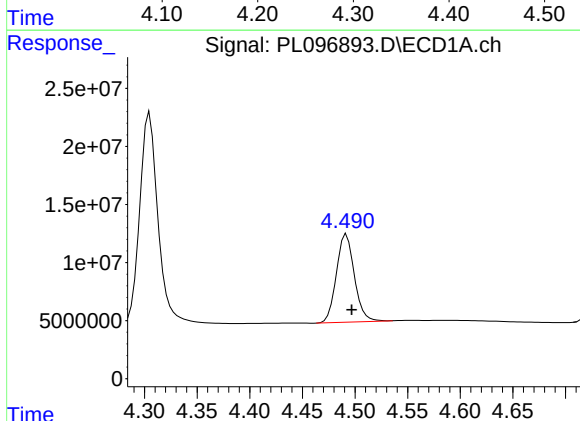
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



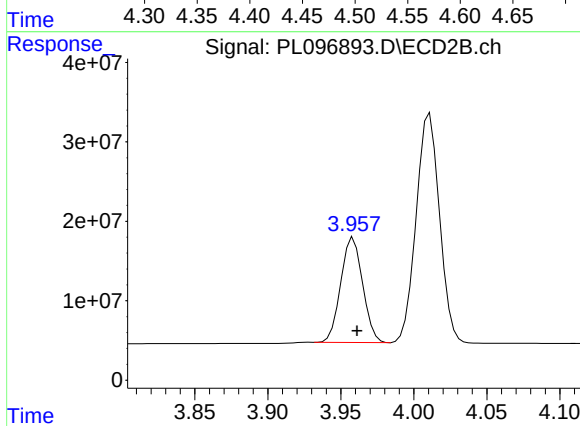
#5 Aldrin

R.T.: 4.293 min
Delta R.T.: -0.004 min
Response: 301346622
Conc: 48.55 ng/ml



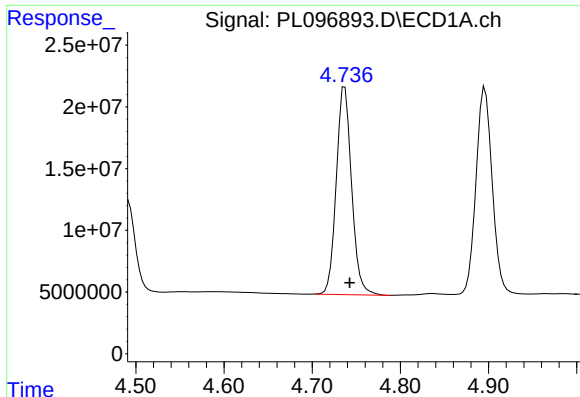
#6 beta-BHC

R.T.: 4.490 min
Delta R.T.: -0.007 min
Response: 90500058
Conc: 50.14 ng/ml m



#6 beta-BHC

R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 137961546
Conc: 48.91 ng/ml



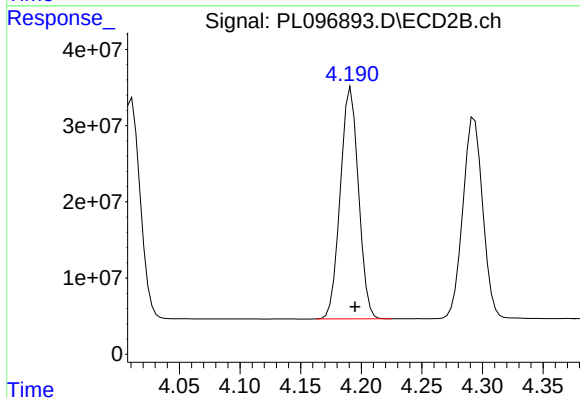
#7 delta-BHC

R.T.: 4.737 min
Delta R.T.: -0.006 min
Response: 203446170
Conc: 50.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

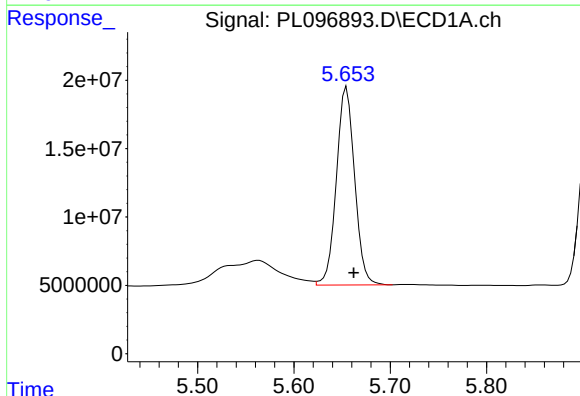
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



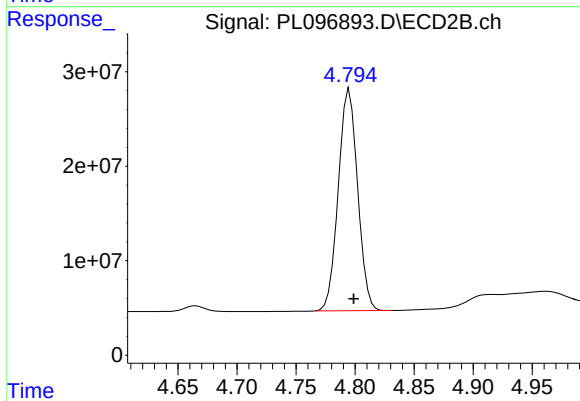
#7 delta-BHC

R.T.: 4.192 min
Delta R.T.: -0.003 min
Response: 316947039
Conc: 48.96 ng/ml



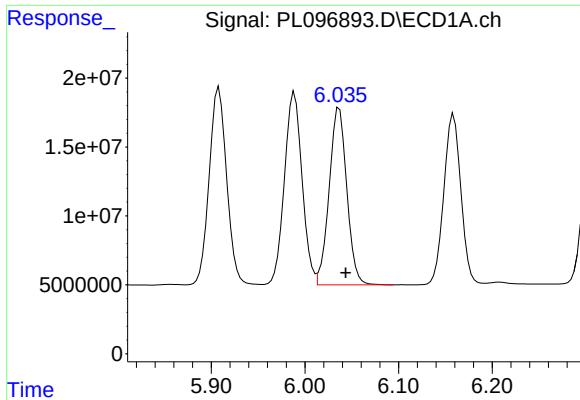
#8 Heptachlor epoxide

R.T.: 5.655 min
Delta R.T.: -0.007 min
Response: 190625303
Conc: 49.43 ng/ml



#8 Heptachlor epoxide

R.T.: 4.795 min
Delta R.T.: -0.004 min
Response: 267414307
Conc: 46.82 ng/ml



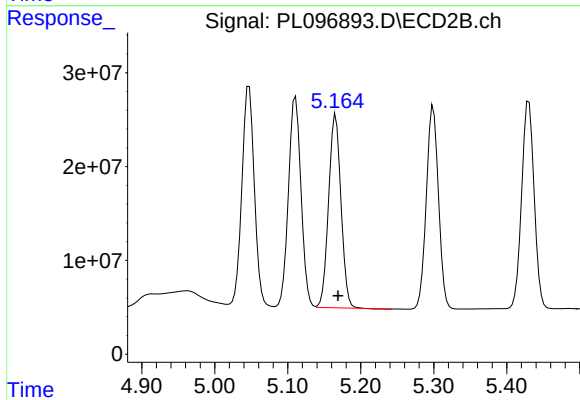
#9 Endosulfan I

R.T.: 6.037 min
Delta R.T.: -0.007 min
Response: 168348596
Conc: 46.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

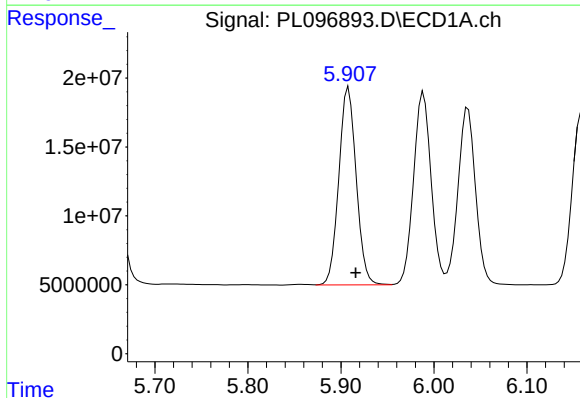
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



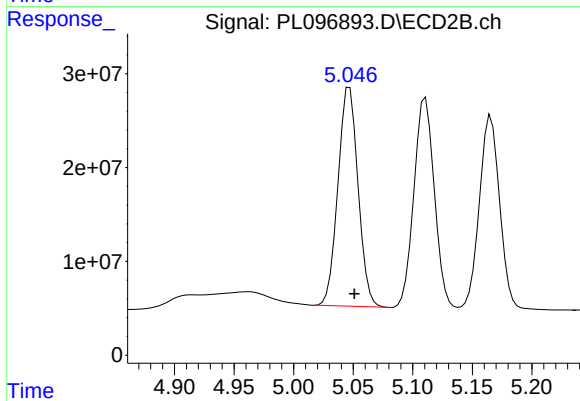
#9 Endosulfan I

R.T.: 5.166 min
Delta R.T.: -0.003 min
Response: 241967999
Conc: 43.74 ng/ml



#10 gamma-Chlordane

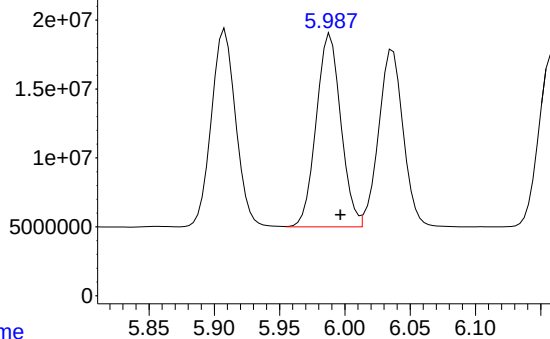
R.T.: 5.908 min
Delta R.T.: -0.008 min
Response: 186406455
Conc: 48.99 ng/ml



#10 gamma-Chlordane

R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 274188144
Conc: 46.63 ng/ml

Response_ Signal: PL096893.D\ECD1A.ch



#11 alpha-Chlordane

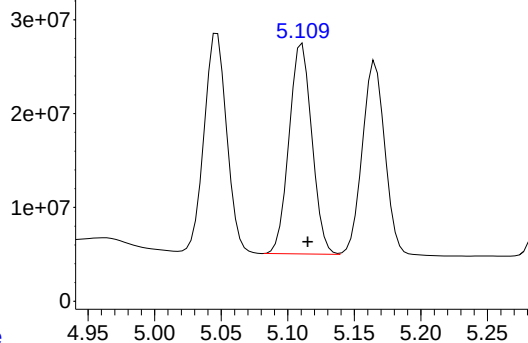
R.T.: 5.989 min
Delta R.T.: -0.008 min
Response: 183739283
Conc: 47.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

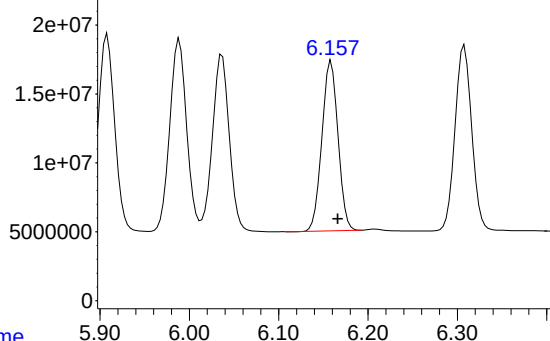
Time Response_ Signal: PL096893.D\ECD2B.ch



#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 267648483
Conc: 45.37 ng/ml

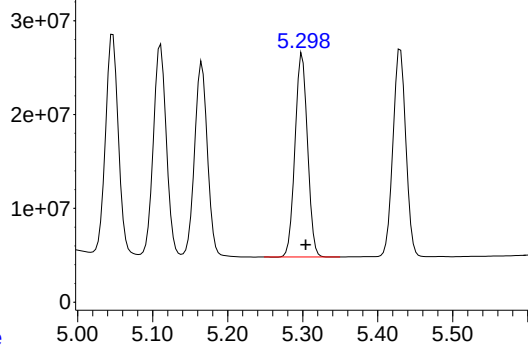
Time Response_ Signal: PL096893.D\ECD1A.ch



#12 4,4'-DDE

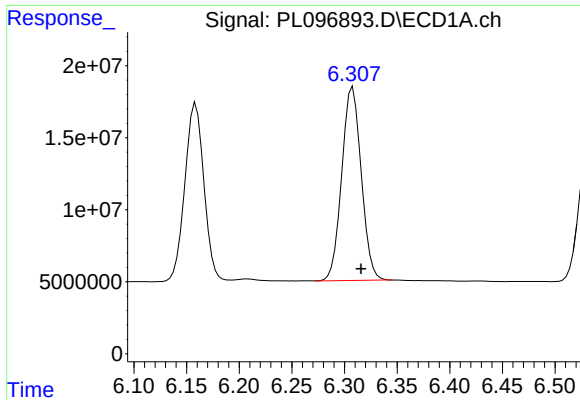
R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 154311587
Conc: 48.05 ng/ml

Time Response_ Signal: PL096893.D\ECD2B.ch



#12 4,4'-DDE

R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 250817035
Conc: 45.48 ng/ml



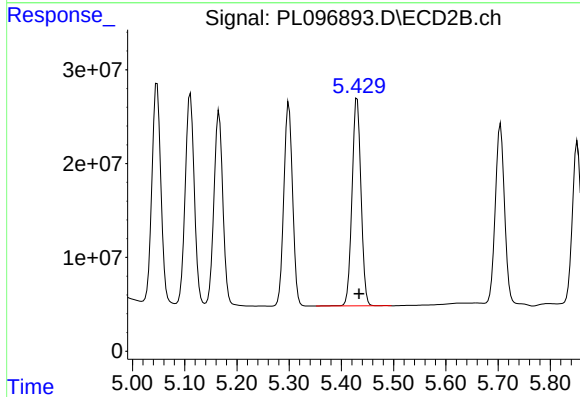
#13 Dieldrin

R.T.: 6.307 min
Delta R.T.: -0.009 min
Response: 173717525
Conc: 46.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

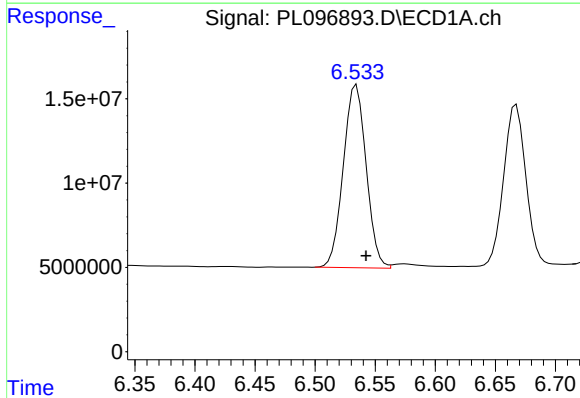
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



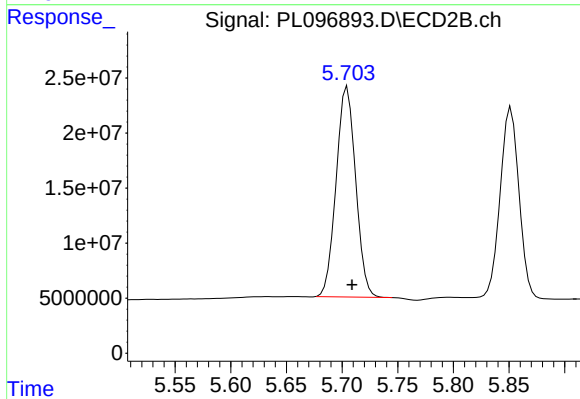
#13 Dieldrin

R.T.: 5.430 min
Delta R.T.: -0.004 min
Response: 265149404
Conc: 44.89 ng/ml



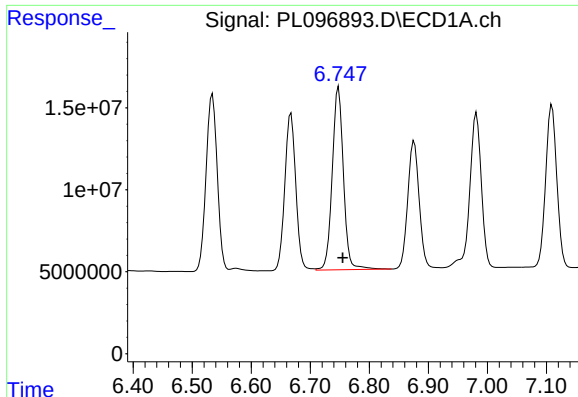
#14 Endrin

R.T.: 6.533 min
Delta R.T.: -0.009 min
Response: 143711328
Conc: 47.48 ng/ml m



#14 Endrin

R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 233381196
Conc: 43.17 ng/ml



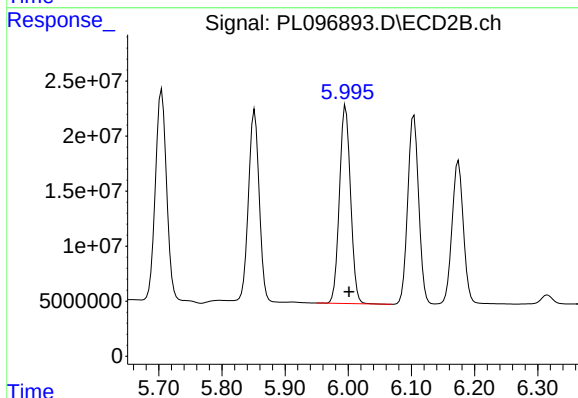
#15 Endosulfan II

R.T.: 6.748 min
Delta R.T.: -0.007 min
Response: 147168710
Conc: 45.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

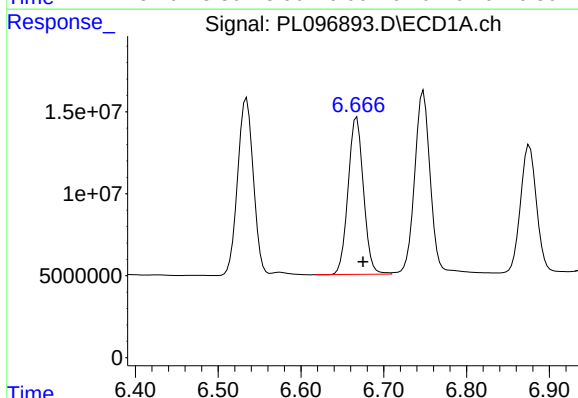
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



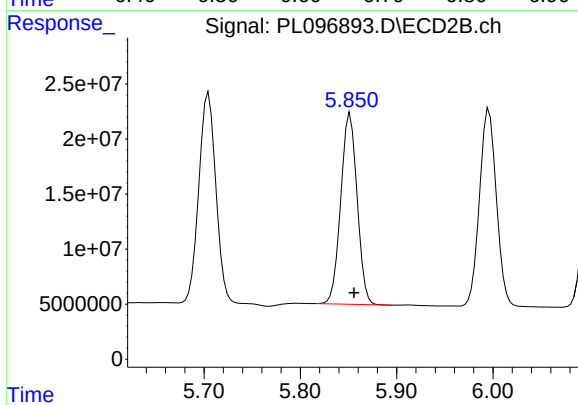
#15 Endosulfan II

R.T.: 5.996 min
Delta R.T.: -0.005 min
Response: 219579992
Conc: 42.75 ng/ml



#16 4,4'-DDD

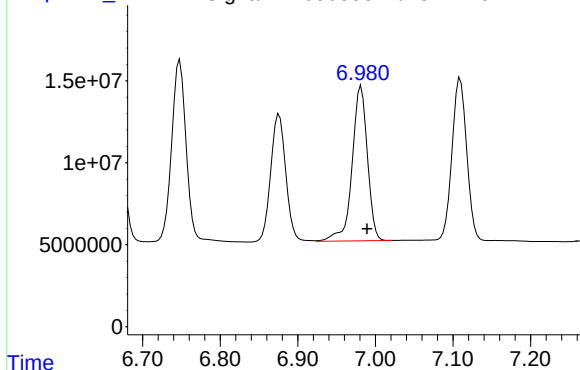
R.T.: 6.667 min
Delta R.T.: -0.008 min
Response: 123590410
Conc: 48.88 ng/ml



#16 4,4'-DDD

R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 204265315
Conc: 43.41 ng/ml

Signal: PL096893.D\ECD1A.ch



#17 4,4'-DDT

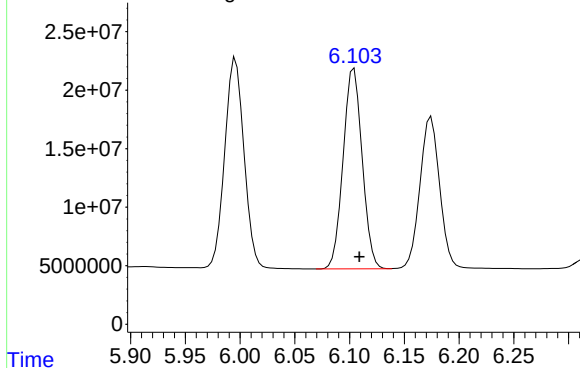
R.T.: 6.982 min
Delta R.T.: -0.008 min
Response: 129146743
Conc: 45.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

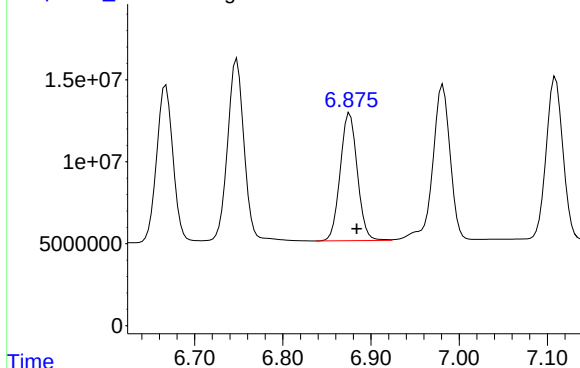
Signal: PL096893.D\ECD2B.ch



#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 207196665
Conc: 40.96 ng/ml

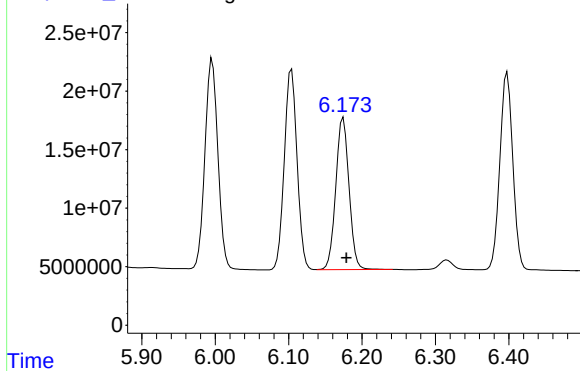
Signal: PL096893.D\ECD1A.ch



#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: -0.008 min
Response: 104935220
Conc: 48.90 ng/ml

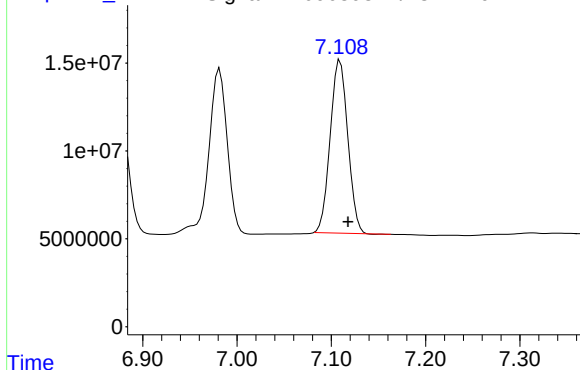
Signal: PL096893.D\ECD2B.ch



#18 Endrin aldehyde

R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 162828269
Conc: 44.79 ng/ml

Response_ Signal: PL096893.D\ECD1A.ch



#19 Endosulfan Sulfate

R.T.: 7.109 min
Delta R.T.: -0.008 min
Response: 127714015
Conc: 44.44 ng/ml

Instrument :

ECD_L

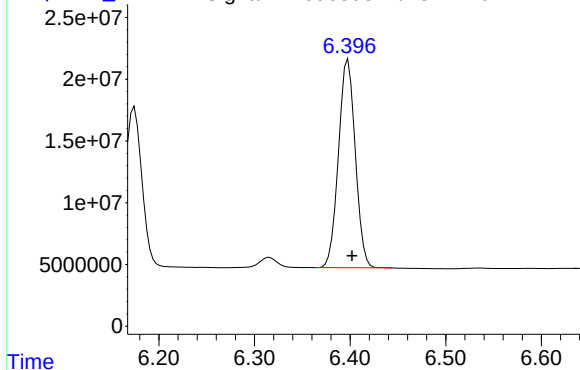
ClientSampleId :

PB169283BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

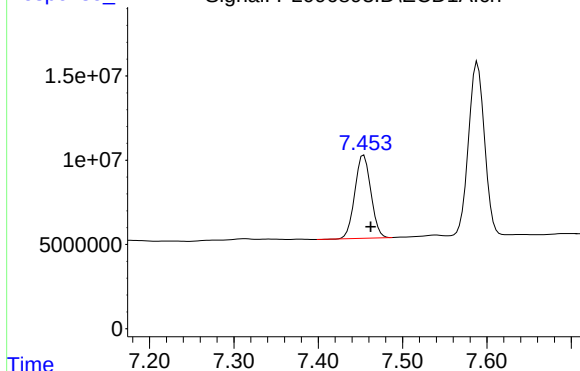
Response_ Signal: PL096893.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 206354464
Conc: 40.57 ng/ml

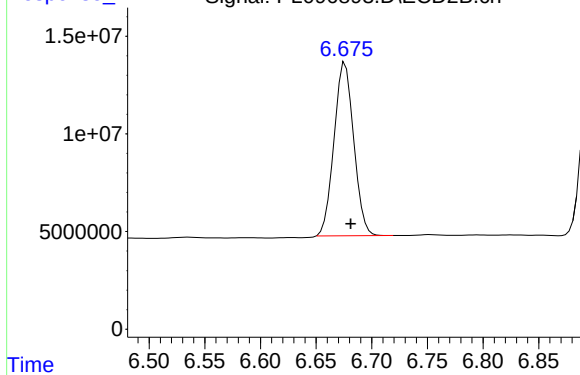
Response_ Signal: PL096893.D\ECD1A.ch



#20 Methoxychlor

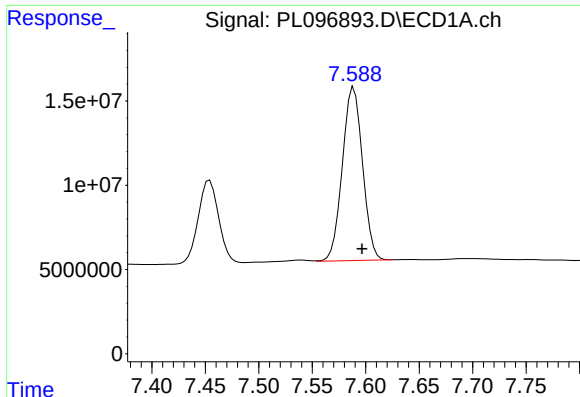
R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 65349344
Conc: 44.51 ng/ml

Response_ Signal: PL096893.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.676 min
Delta R.T.: -0.005 min
Response: 109274075
Conc: 39.87 ng/ml



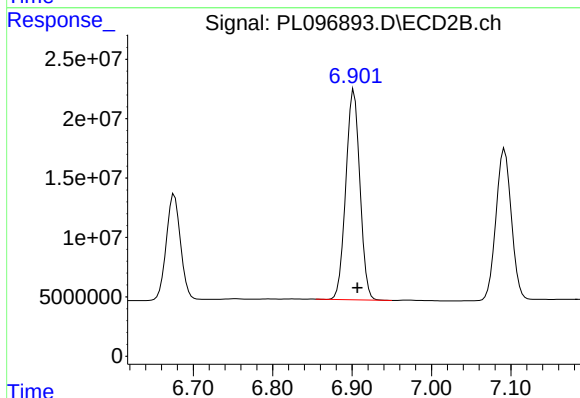
#21 Endrin ketone

R.T.: 7.589 min
Delta R.T.: -0.008 min
Response: 135161202
Conc: 44.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

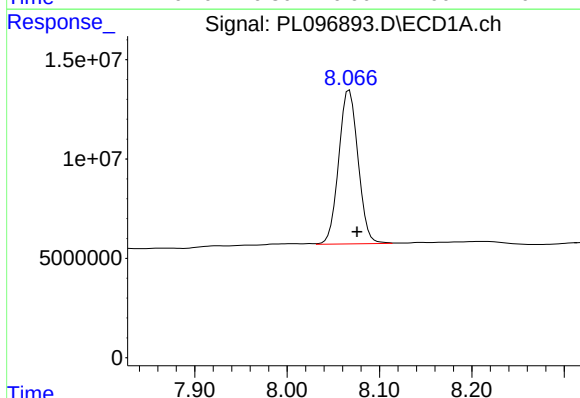
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



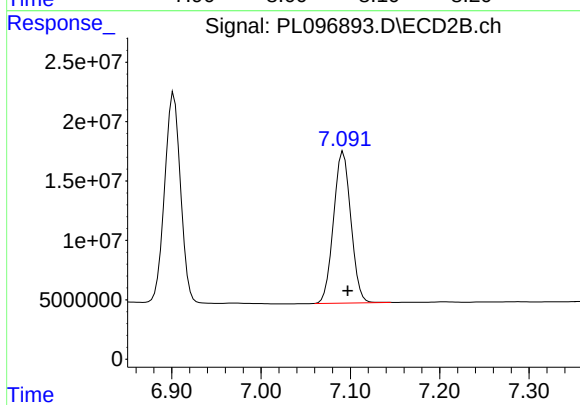
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 217982803
Conc: 39.14 ng/ml



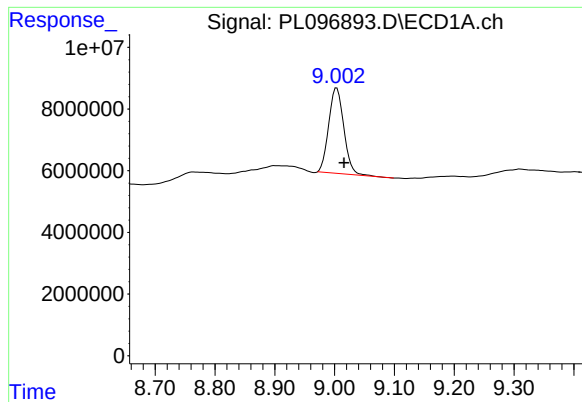
#22 Mirex

R.T.: 8.066 min
Delta R.T.: -0.010 min
Response: 112589317
Conc: 45.41 ng/ml m



#22 Mirex

R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 171890920
Conc: 39.42 ng/ml



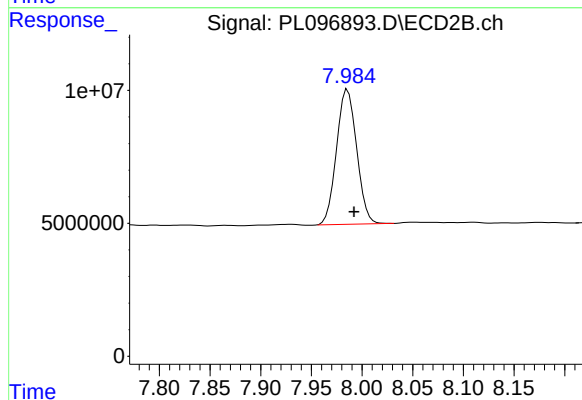
#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.012 min
Response: 48391353
Conc: 20.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 70243715
Conc: 16.19 ng/ml

Report of Analysis

Client:	Nobis Group	Date Collected:	08/15/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	VNJ-210MS	SDG No.:	Q2879
Lab Sample ID:	Q2888-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	94.9 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096890.D	1	08/18/25 08:06	08/19/25 14:12	PB169283

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.018		0.00014	0.00035	0.0018	mg/Kg
319-85-7	beta-BHC	0.018		0.00019	0.00087	0.0018	mg/Kg
319-86-8	delta-BHC	0.016		0.00041	0.00087	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.018		0.00015	0.00035	0.0018	mg/Kg
76-44-8	Heptachlor	0.020		0.00013	0.00035	0.0018	mg/Kg
309-00-2	Aldrin	0.019		0.00013	0.00035	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.018		0.00020	0.00087	0.0018	mg/Kg
959-98-8	Endosulfan I	0.019		0.00015	0.00035	0.0018	mg/Kg
60-57-1	Dieldrin	0.018		0.00015	0.00035	0.0018	mg/Kg
72-55-9	4,4-DDE	0.021		0.00015	0.00035	0.0018	mg/Kg
72-20-8	Endrin	0.018		0.00015	0.00035	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.017		0.00030	0.00087	0.0018	mg/Kg
72-54-8	4,4-DDD	0.019		0.00016	0.00035	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.016		0.00014	0.00035	0.0018	mg/Kg
50-29-3	4,4-DDT	0.023		0.00015	0.00035	0.0018	mg/Kg
72-43-5	Methoxychlor	0.019		0.00039	0.00087	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.016		0.00020	0.00087	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.018		0.00039	0.00087	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.019		0.00013	0.00035	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.019		0.00016	0.00035	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0057	0.018	0.035	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	27.3	*	55 - 130		136%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.8		42 - 129		104%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	08/15/25	
Project:	Raymark Superfund Site		Date Received:	08/15/25	
Client Sample ID:	VNJ-210MS		SDG No.:	Q2879	
Lab Sample ID:	Q2888-01MS		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	94.9	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096890.D	1	08/18/25 08:06	08/19/25 14:12	PB169283

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\PL081925\
 Data File : PL096890.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 14:12
 Operator : AR\AJ
 Sample : Q2888-01MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 VNJ-210MS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/20/2025
 Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 20 01:37:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.529	2.826	66069034	98991569	20.771m	20.719
2)	SA Decachlor...	9.004	7.984	65082646	104.5E6	27.292m	24.081m
Target Compounds							
2)	A alpha-BHC	3.978	3.331	232.6E6	366.2E6	50.278	51.744
3)	MA gamma-BHC...	4.304	3.663	227.1E6	337.4E6	51.337m	51.096
4)	MA Heptachlor	4.896	4.011	231.2E6	334.1E6	55.623	50.148
5)	MB Aldrin	5.236	4.294	233.1E6	308.5E6	54.186	49.697
6)	B beta-BHC	4.493	3.959	80559571	146.2E6	44.632	51.821
7)	B delta-BHC	4.738	4.192	176.5E6	276.6E6	44.240	42.733
8)	B Heptachlo...	5.654	4.795	198.4E6	272.2E6	51.456m	47.664
9)	A Endosulfan I	6.036	5.168	196.2E6	268.6E6	54.545	48.560
10)	B gamma-Chl...	5.907	5.046	206.7E6	304.4E6	54.313m	51.763m
11)	B alpha-Chl...	5.987	5.111	213.6E6	326.8E6	55.403m	55.402
12)	B 4,4'-DDE	6.160	5.300	175.6E6	324.1E6	54.674	58.776
13)	MA Dieldrin	6.309	5.431	177.4E6	309.9E6	47.799	52.462
14)	MA Endrin	6.533	5.705	143.9E6	273.1E6	47.545m	50.519
15)	B Endosulfa...	6.748	5.997	146.7E6	255.2E6	45.810	49.681
16)	A 4,4'-DDD	6.668	5.852	139.5E6	196.9E6	55.179	41.845
17)	MA 4,4'-DDT	6.982	6.105	189.7E6	305.9E6	66.149	60.470
18)	B Endrin al...	6.877	6.175	109.6E6	177.9E6	51.065	48.931
19)	B Endosulfa...	7.110	6.398	133.4E6	211.5E6	46.434	41.590
20)	A Methoxychlor	7.453	6.676	80058779	109.1E6	54.523m	39.801 #
21)	B Endrin ke...	7.588	6.902	138.3E6	226.7E6	45.983m	40.708
22)	Mirex	8.066	7.092	114.4E6	170.0E6	46.140m	38.988

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
Data File : PL096890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 14:12
Operator : AR\AJ
Sample : Q2888-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

VNJ-210MS

Manual Integrations

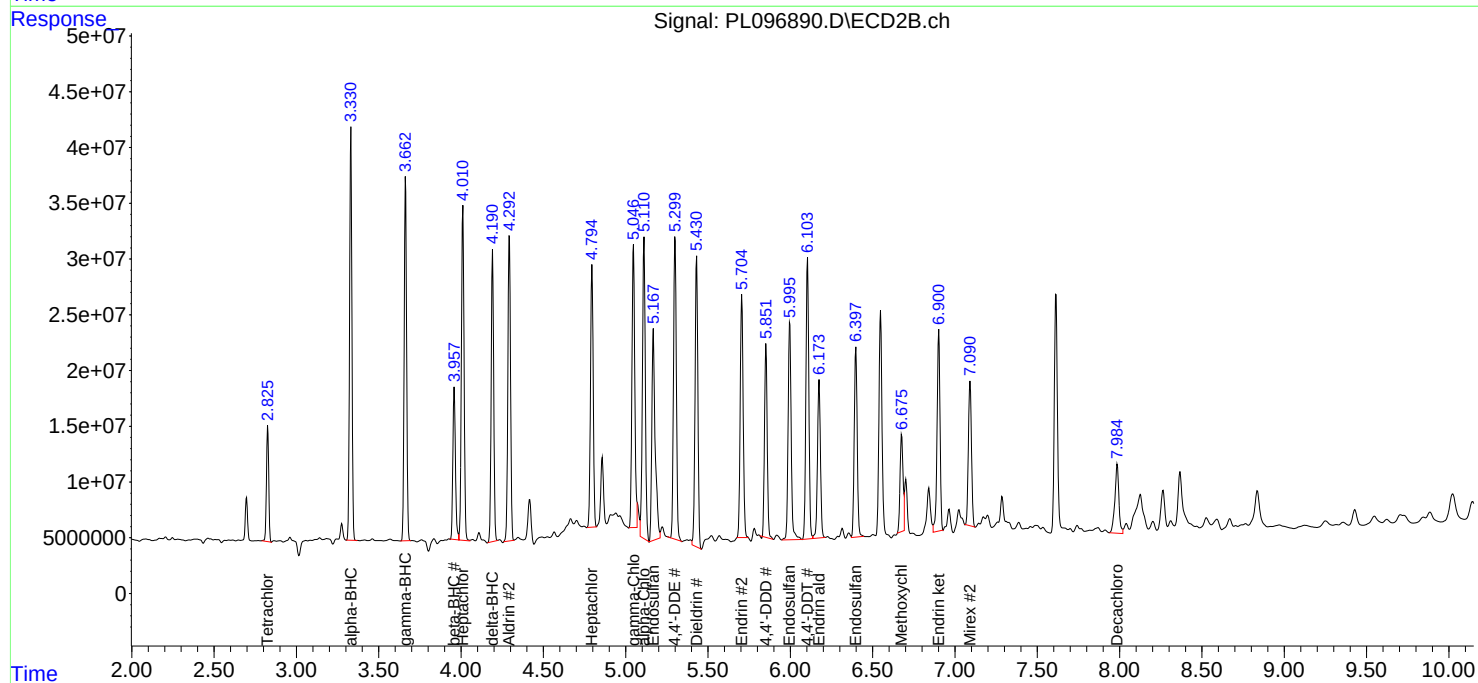
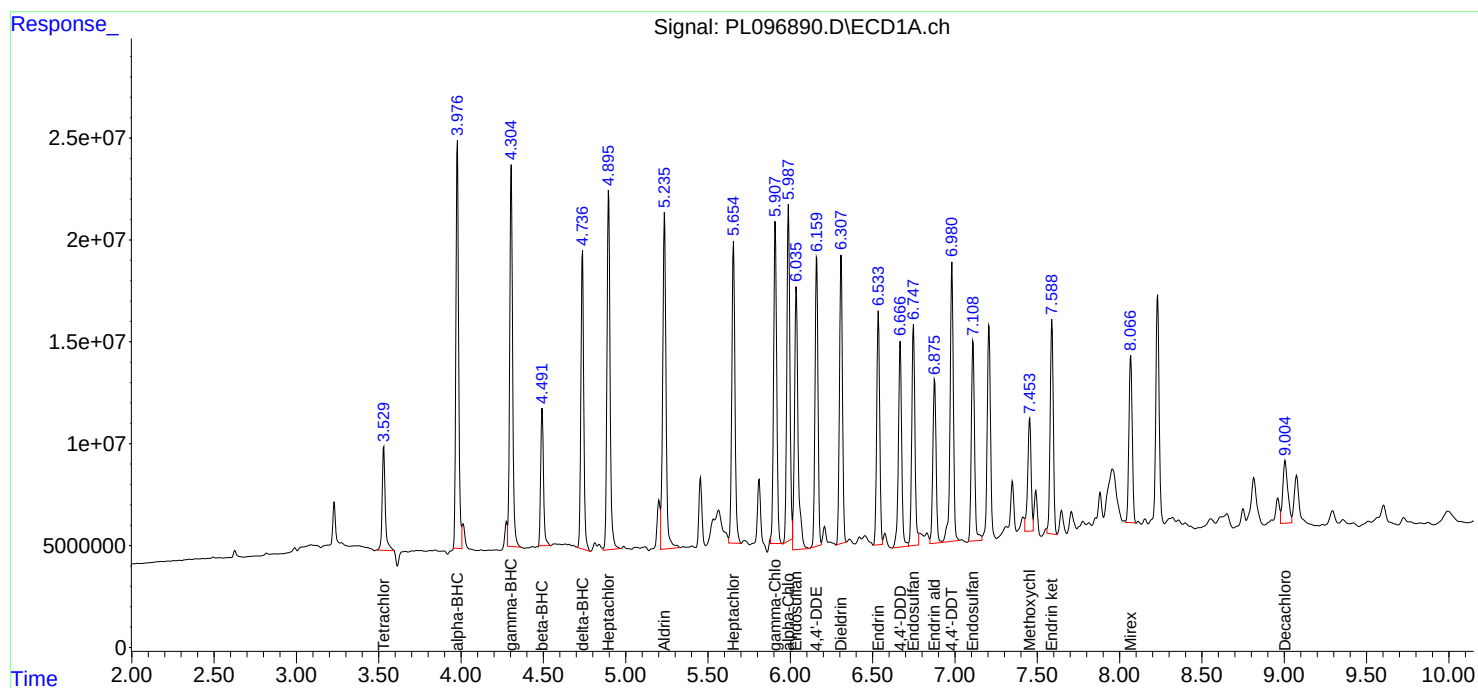
APPROVED

Reviewed By :Abdul Mirza 08/20/2025

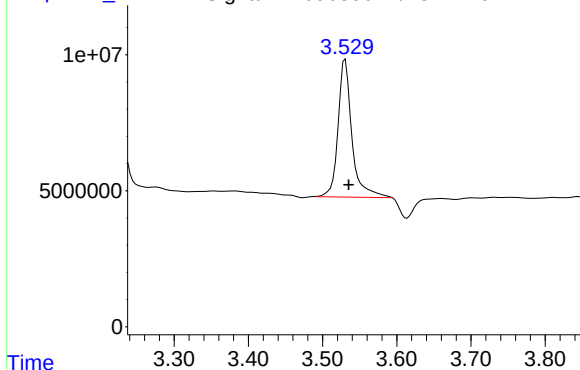
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 01:37:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PL096890.D\ECD1A.ch



#1 Tetrachloro-m-xylene

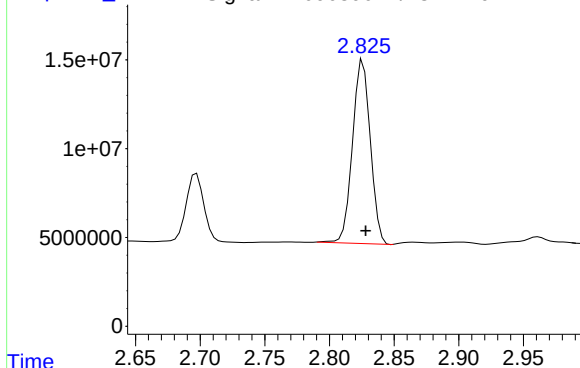
R.T.: 3.529 min
Delta R.T.: -0.006 min
Response: 66069034
Conc: 20.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

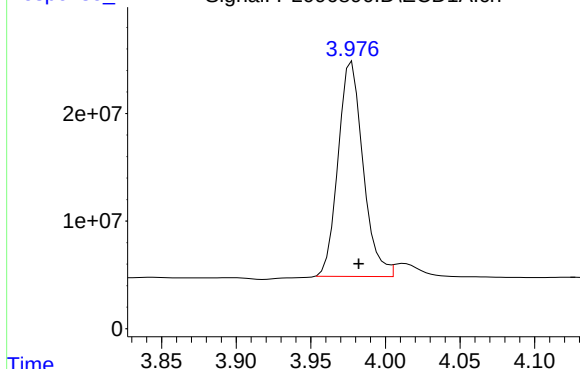
Response_ Signal: PL096890.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 98991569
Conc: 20.72 ng/ml

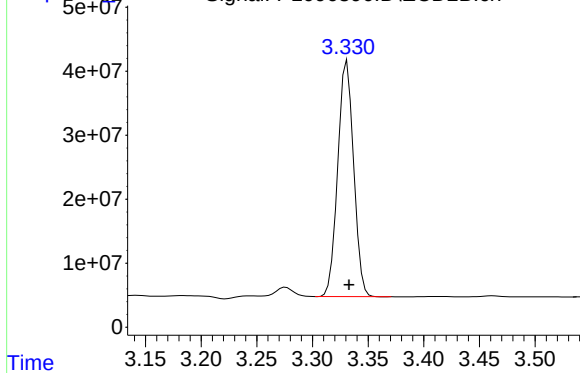
Response_ Signal: PL096890.D\ECD1A.ch



#2 alpha-BHC

R.T.: 3.978 min
Delta R.T.: -0.005 min
Response: 232604765
Conc: 50.28 ng/ml

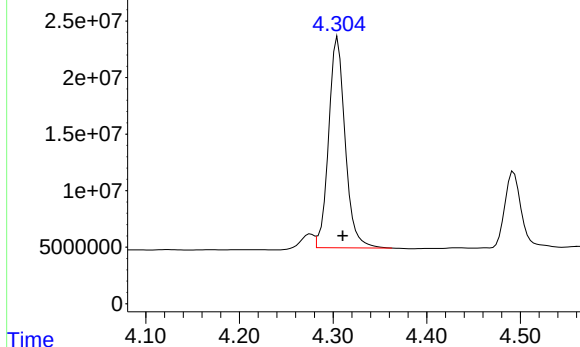
Response_ Signal: PL096890.D\ECD2B.ch



#2 alpha-BHC

R.T.: 3.331 min
Delta R.T.: -0.002 min
Response: 366196678
Conc: 51.74 ng/ml

Response_ Signal: PL096890.D\ECD1A.ch



#3 gamma-BHC (Lindane)

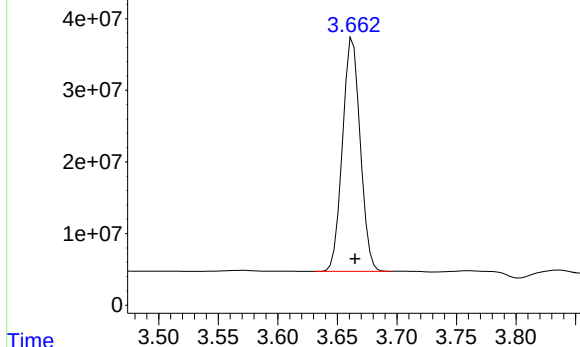
R.T.: 4.304 min
Delta R.T.: -0.007 min
Response: 227086237
Conc: 51.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

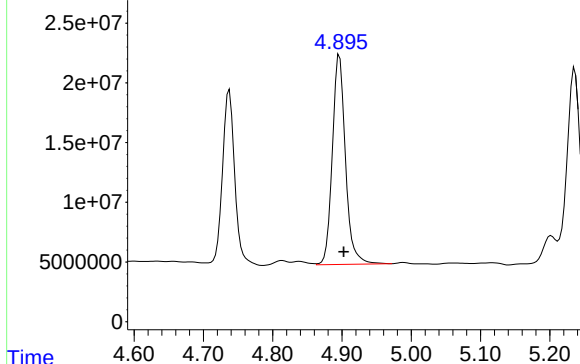
Response_ Signal: PL096890.D\ECD2B.ch



#3 gamma-BHC (Lindane)

R.T.: 3.663 min
Delta R.T.: -0.002 min
Response: 337408120
Conc: 51.10 ng/ml

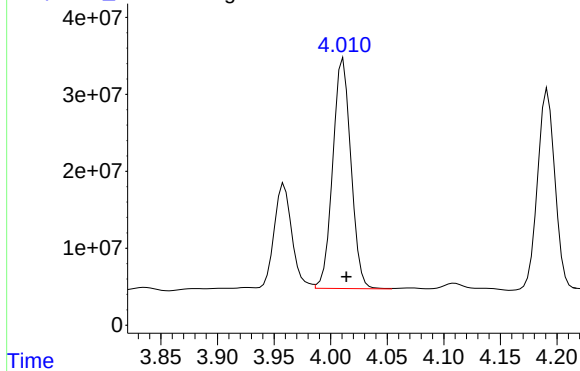
Response_ Signal: PL096890.D\ECD1A.ch



#4 Heptachlor

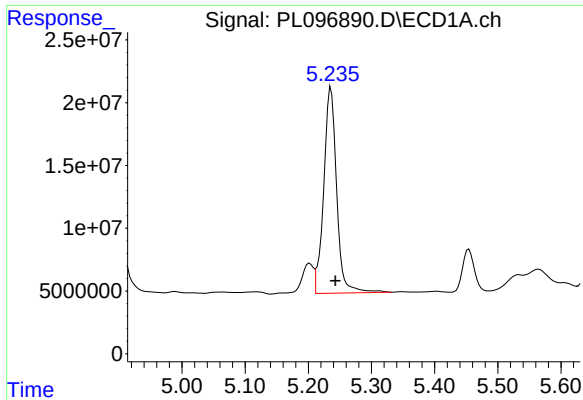
R.T.: 4.896 min
Delta R.T.: -0.006 min
Response: 231151905
Conc: 55.62 ng/ml

Response_ Signal: PL096890.D\ECD2B.ch



#4 Heptachlor

R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 334082448
Conc: 50.15 ng/ml



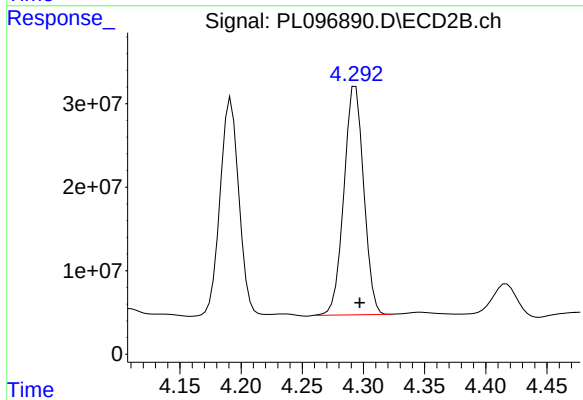
#5 Aldrin

R.T.: 5.236 min
Delta R.T.: -0.007 min
Response: 233053082
Conc: 54.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS

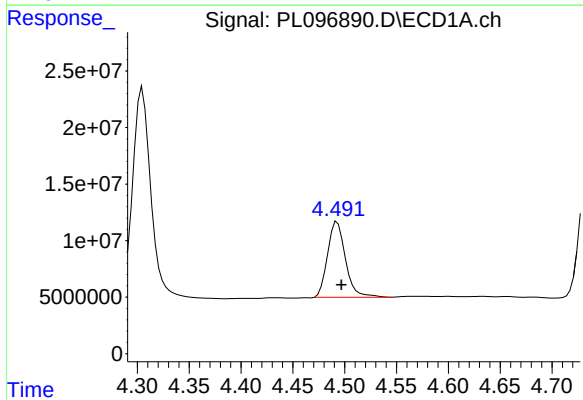
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



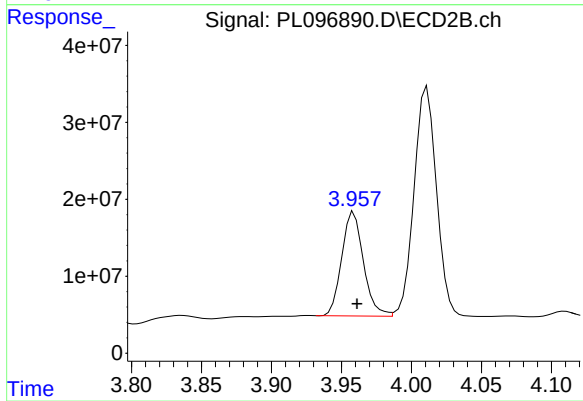
#5 Aldrin

R.T.: 4.294 min
Delta R.T.: -0.003 min
Response: 308474203
Conc: 49.70 ng/ml



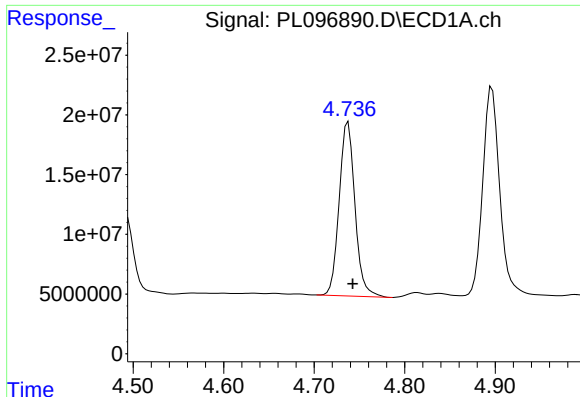
#6 beta-BHC

R.T.: 4.493 min
Delta R.T.: -0.004 min
Response: 80559571
Conc: 44.63 ng/ml



#6 beta-BHC

R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 146181548
Conc: 51.82 ng/ml



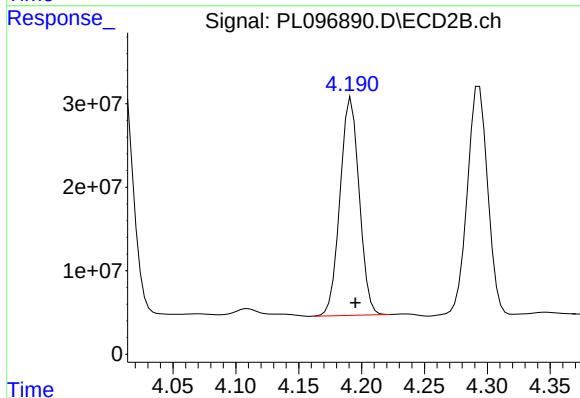
#7 delta-BHC

R.T.: 4.738 min
Delta R.T.: -0.005 min
Response: 176512356
Conc: 44.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS

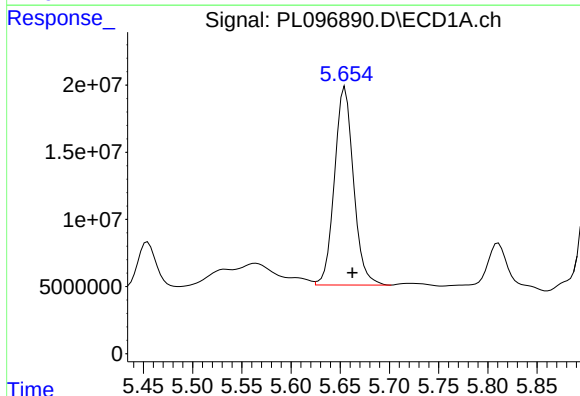
Manual Integrations
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Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



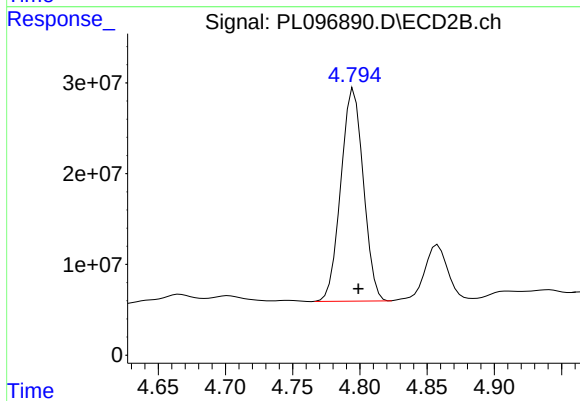
#7 delta-BHC

R.T.: 4.192 min
Delta R.T.: -0.003 min
Response: 276637976
Conc: 42.73 ng/ml



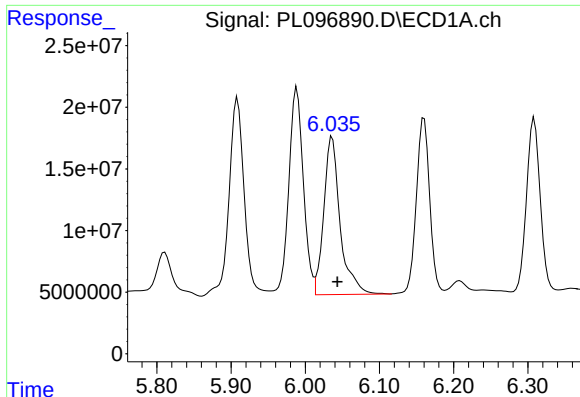
#8 Heptachlor epoxide

R.T.: 5.654 min
Delta R.T.: -0.009 min
Response: 198441179
Conc: 51.46 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.795 min
Delta R.T.: -0.004 min
Response: 272222641
Conc: 47.66 ng/ml



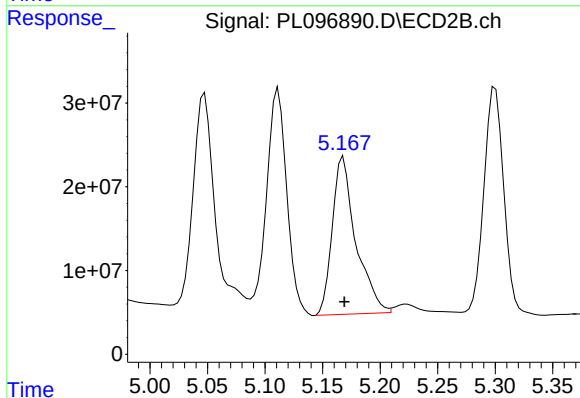
#9 Endosulfan I

R.T.: 6.036 min
Delta R.T.: -0.007 min
Response: 196163177
Conc: 54.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS

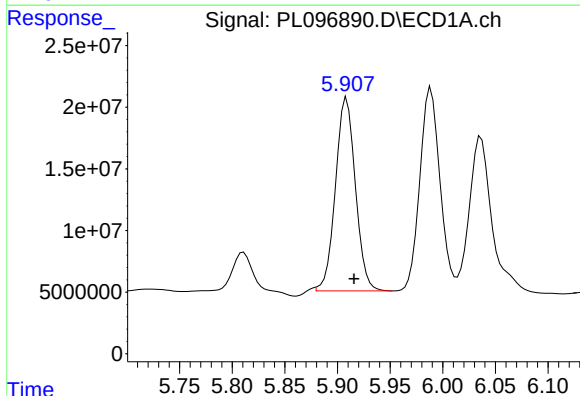
Manual Integrations
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Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



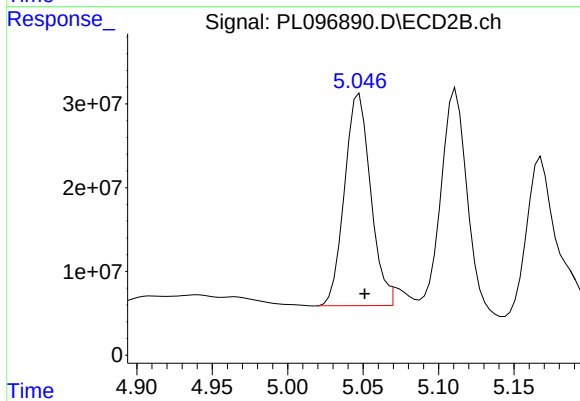
#9 Endosulfan I

R.T.: 5.168 min
Delta R.T.: -0.001 min
Response: 268605688
Conc: 48.56 ng/ml



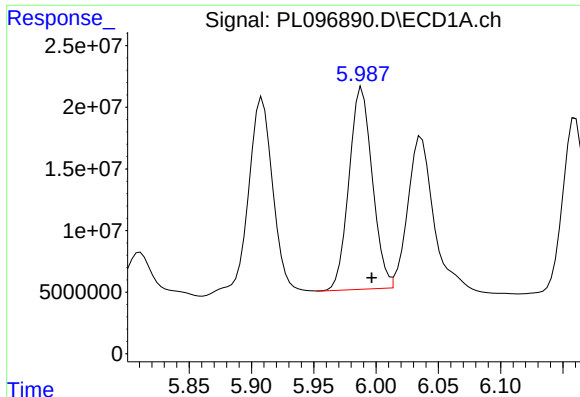
#10 gamma-Chlordane

R.T.: 5.907 min
Delta R.T.: -0.009 min
Response: 206674786
Conc: 54.31 ng/ml m



#10 gamma-Chlordane

R.T.: 5.046 min
Delta R.T.: -0.005 min
Response: 304372391
Conc: 51.76 ng/ml m



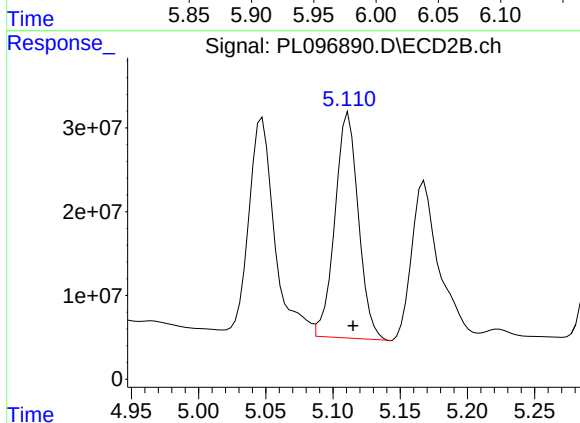
#11 alpha-Chlordane

R.T.: 5.987 min
Delta R.T.: -0.009 min
Response: 213559028
Conc: 55.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS

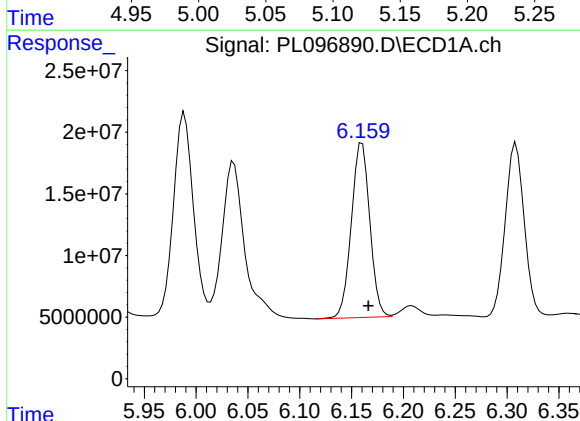
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



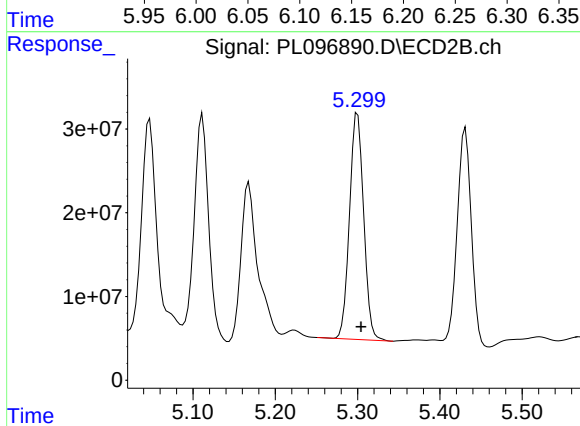
#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 326814012
Conc: 55.40 ng/ml



#12 4,4'-DDE

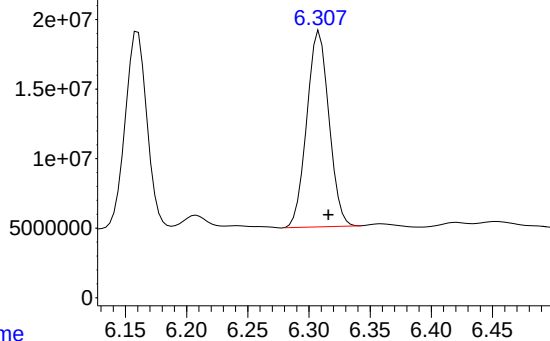
R.T.: 6.160 min
Delta R.T.: -0.006 min
Response: 175572777
Conc: 54.67 ng/ml



#12 4,4'-DDE

R.T.: 5.300 min
Delta R.T.: -0.004 min
Response: 324115729
Conc: 58.78 ng/ml

Response_ Signal: PL096890.D\ECD1A.ch



#13 Dieldrin

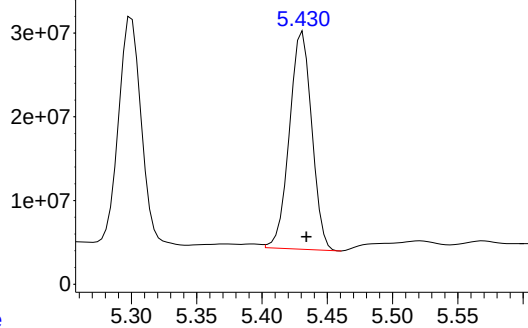
R.T.: 6.309 min
Delta R.T.: -0.007 min
Response: 177391013
Conc: 47.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS

Manual Integrations
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Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

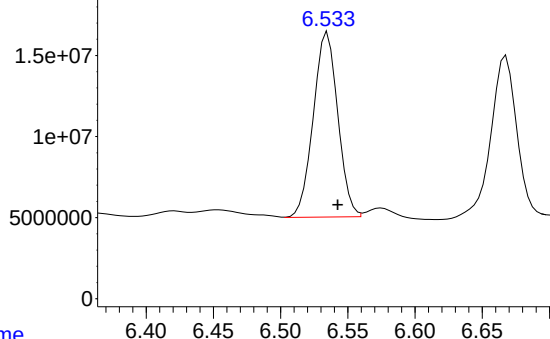
Time Response_ Signal: PL096890.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.431 min
Delta R.T.: -0.003 min
Response: 309871944
Conc: 52.46 ng/ml

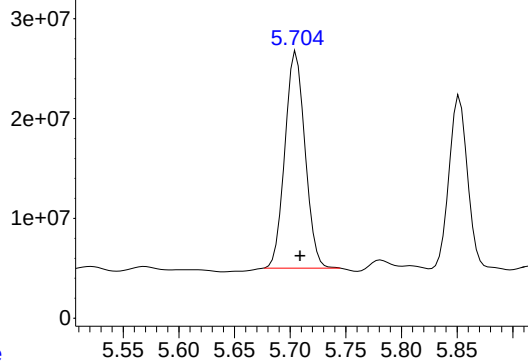
Time Response_ Signal: PL096890.D\ECD1A.ch



#14 Endrin

R.T.: 6.533 min
Delta R.T.: -0.009 min
Response: 143908748
Conc: 47.55 ng/ml m

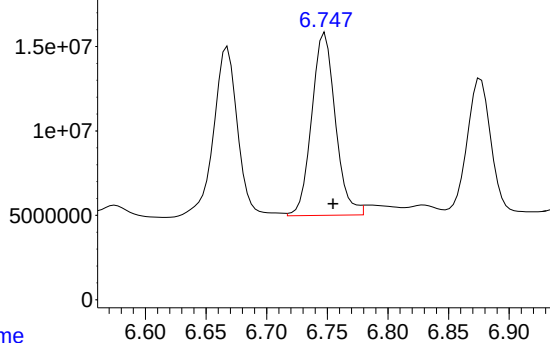
Time Response_ Signal: PL096890.D\ECD2B.ch



#14 Endrin

R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 273101375
Conc: 50.52 ng/ml

Response_ Signal: PL096890.D\ECD1A.ch



#15 Endosulfan II

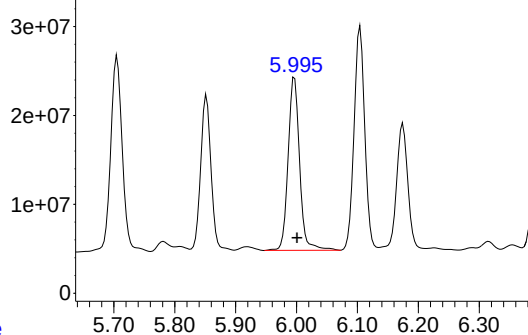
R.T.: 6.748 min
Delta R.T.: -0.007 min
Response: 146714709
Conc: 45.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS

Manual Integrations
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Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

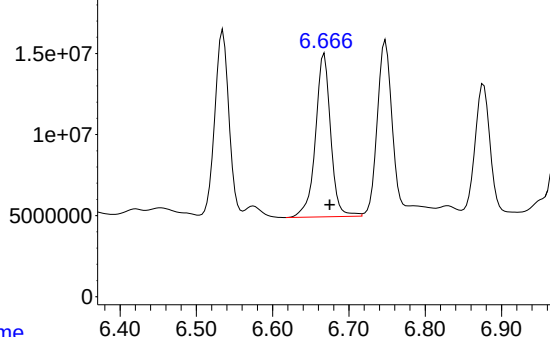
Time Response_ Signal: PL096890.D\ECD2B.ch



#15 Endosulfan II

R.T.: 5.997 min
Delta R.T.: -0.004 min
Response: 255174275
Conc: 49.68 ng/ml

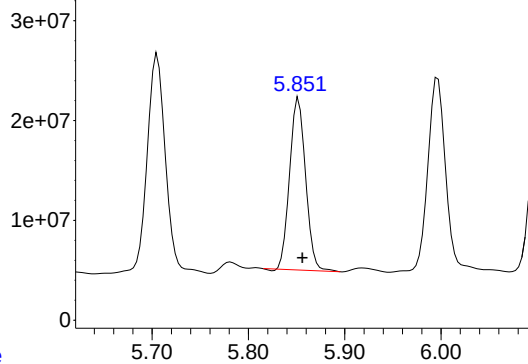
Time Response_ Signal: PL096890.D\ECD1A.ch



#16 4,4'-DDD

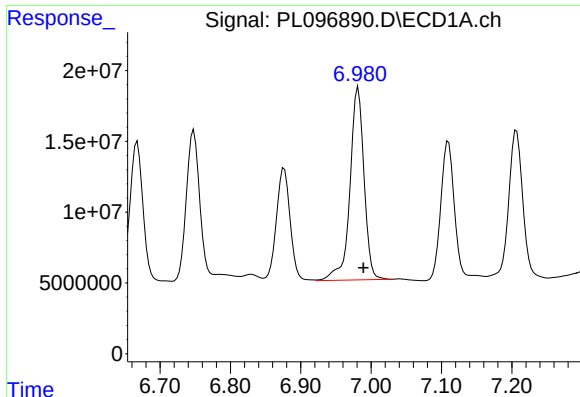
R.T.: 6.668 min
Delta R.T.: -0.007 min
Response: 139512593
Conc: 55.18 ng/ml

Time Response_ Signal: PL096890.D\ECD2B.ch



#16 4,4'-DDD

R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 196894751
Conc: 41.85 ng/ml



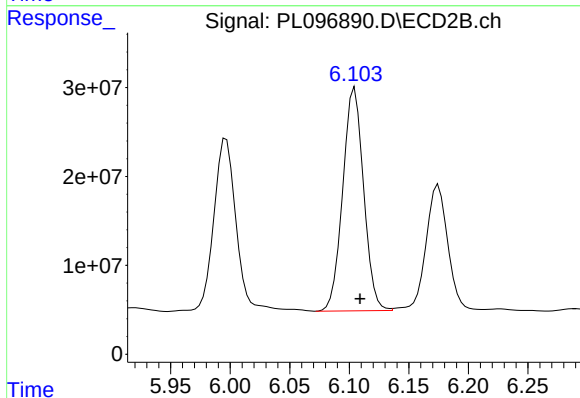
#17 4,4'-DDT

R.T.: 6.982 min
Delta R.T.: -0.008 min
Response: 189693920
Conc: 66.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS

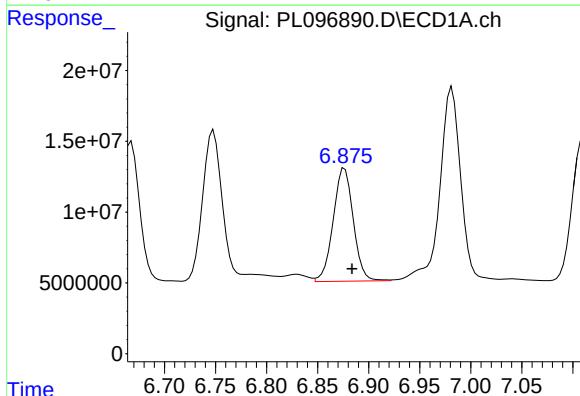
Manual Integrations
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Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



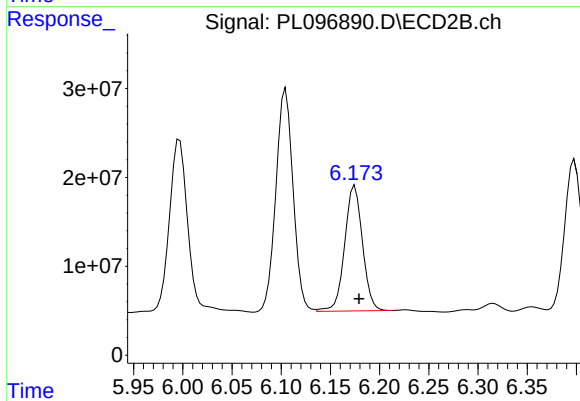
#17 4,4'-DDT

R.T.: 6.105 min
Delta R.T.: -0.004 min
Response: 305877142
Conc: 60.47 ng/ml



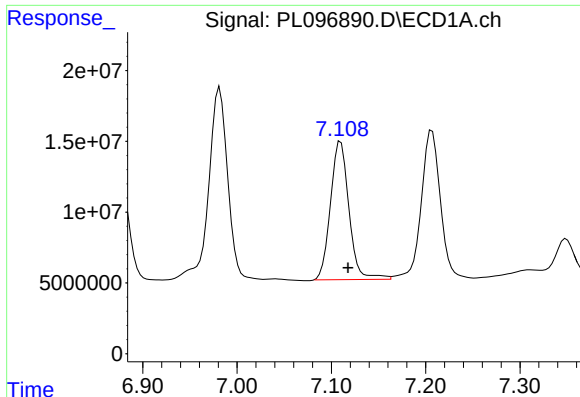
#18 Endrin aldehyde

R.T.: 6.877 min
Delta R.T.: -0.007 min
Response: 109581707
Conc: 51.07 ng/ml



#18 Endrin aldehyde

R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 177866037
Conc: 48.93 ng/ml



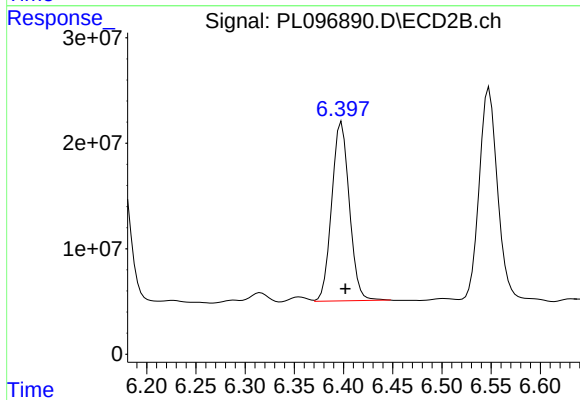
#19 Endosulfan Sulfate

R.T.: 7.110 min
Delta R.T.: -0.008 min
Response: 133438319
Conc: 46.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS

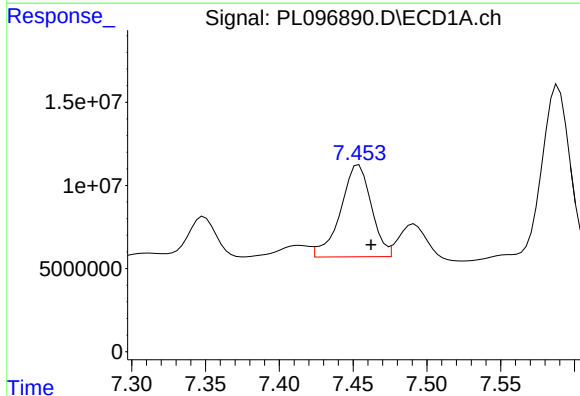
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



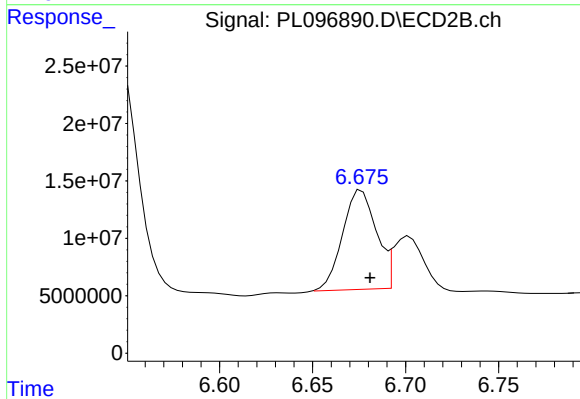
#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 211535405
Conc: 41.59 ng/ml



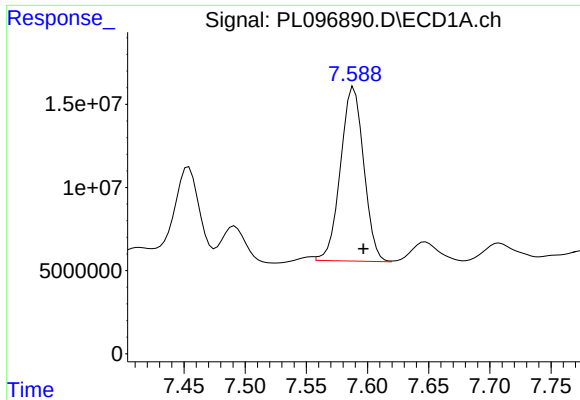
#20 Methoxychlor

R.T.: 7.453 min
Delta R.T.: -0.010 min
Response: 80058779
Conc: 54.52 ng/ml m



#20 Methoxychlor

R.T.: 6.676 min
Delta R.T.: -0.005 min
Response: 109075666
Conc: 39.80 ng/ml



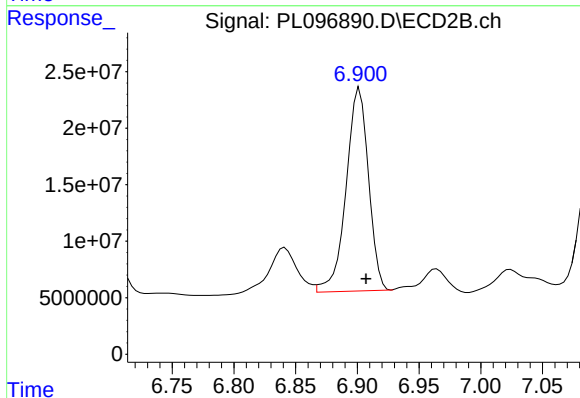
#21 Endrin ketone

R.T.: 7.588 min
Delta R.T.: -0.009 min
Response: 138257723
Conc: 45.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS

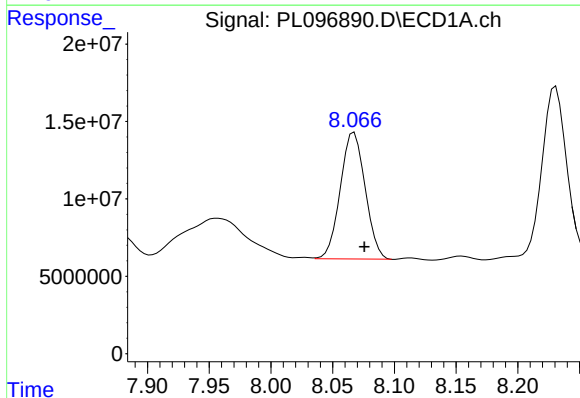
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



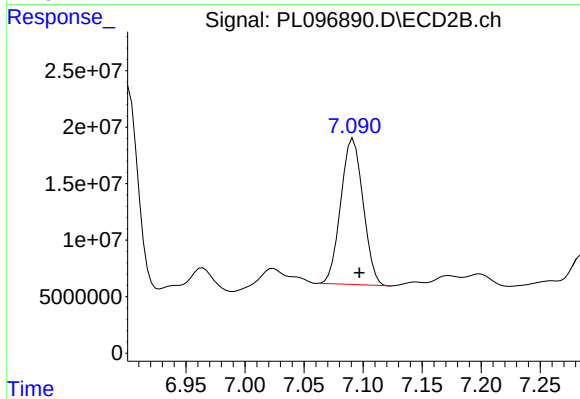
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 226733972
Conc: 40.71 ng/ml



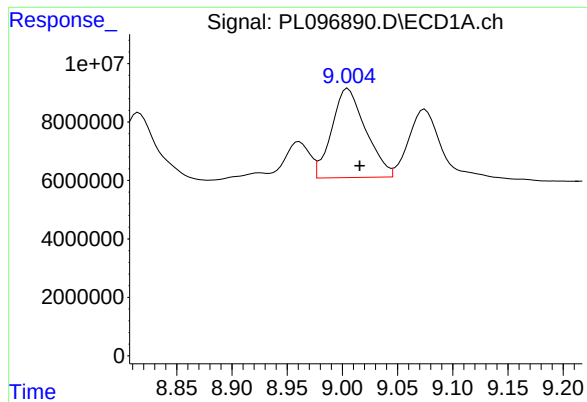
#22 Mirex

R.T.: 8.066 min
Delta R.T.: -0.010 min
Response: 114397063
Conc: 46.14 ng/ml m



#22 Mirex

R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 170019709
Conc: 38.99 ng/ml



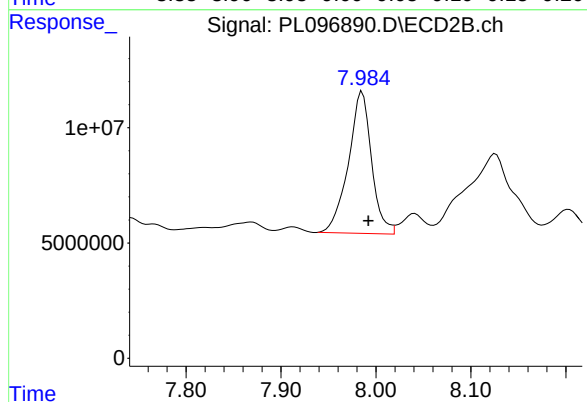
#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.012 min
Response: 65082646
Conc: 27.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



#28 Decachlorobiphenyl

R.T.: 7.984 min
Delta R.T.: -0.008 min
Response: 104470765
Conc: 24.08 ng/ml m

Report of Analysis

Client:	Nobis Group	Date Collected:	08/15/25
Project:	Raymark Superfund Site	Date Received:	08/15/25
Client Sample ID:	VNJ-210MSD	SDG No.:	Q2879
Lab Sample ID:	Q2888-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	94.9
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096891.D	1	08/18/25 08:06	08/19/25 14:26	PB169283

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.018		0.00014	0.00035	0.0018	mg/Kg
319-85-7	beta-BHC	0.019		0.00019	0.00087	0.0018	mg/Kg
319-86-8	delta-BHC	0.016		0.00041	0.00087	0.0018	mg/Kg
58-89-9	gamma-BHC (Lindane)	0.018		0.00015	0.00035	0.0018	mg/Kg
76-44-8	Heptachlor	0.020		0.00013	0.00035	0.0018	mg/Kg
309-00-2	Aldrin	0.020		0.00013	0.00035	0.0018	mg/Kg
1024-57-3	Heptachlor epoxide	0.019		0.00020	0.00087	0.0018	mg/Kg
959-98-8	Endosulfan I	0.020		0.00015	0.00035	0.0018	mg/Kg
60-57-1	Dieldrin	0.019		0.00015	0.00035	0.0018	mg/Kg
72-55-9	4,4-DDE	0.021		0.00015	0.00035	0.0018	mg/Kg
72-20-8	Endrin	0.018		0.00015	0.00035	0.0018	mg/Kg
33213-65-9	Endosulfan II	0.018		0.00030	0.00087	0.0018	mg/Kg
72-54-8	4,4-DDD	0.021		0.00016	0.00035	0.0018	mg/Kg
1031-07-8	Endosulfan Sulfate	0.017		0.00014	0.00035	0.0018	mg/Kg
50-29-3	4,4-DDT	0.024		0.00015	0.00035	0.0018	mg/Kg
72-43-5	Methoxychlor	0.021		0.00039	0.00087	0.0018	mg/Kg
53494-70-5	Endrin ketone	0.017		0.00020	0.00087	0.0018	mg/Kg
7421-93-4	Endrin aldehyde	0.018		0.00039	0.00087	0.0018	mg/Kg
5103-71-9	alpha-Chlordane	0.021		0.00013	0.00035	0.0018	mg/Kg
5103-74-2	gamma-Chlordane	0.020		0.00016	0.00035	0.0018	mg/Kg
8001-35-2	Toxaphene	0.018	U	0.0057	0.018	0.035	mg/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.5		55 - 130		117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.1		42 - 129		106%	SPK: 20

Report of Analysis

Client:	Nobis Group		Date Collected:	08/15/25	
Project:	Raymark Superfund Site		Date Received:	08/15/25	
Client Sample ID:	VNJ-210MSD		SDG No.:	Q2879	
Lab Sample ID:	Q2888-01MSD		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	94.9	Decanted:
Sample Wt/Vol:	30.1	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
PL096891.D	1	08/18/25 08:06	08/19/25 14:26	PB169283

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\PL081925\
 Data File : PL096891.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 14:26
 Operator : AR\AJ
 Sample : Q2888-01MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 VNJ-210MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/20/2025
 Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 20 01:37:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.529	2.826	67163858	100.5E6	21.116m	21.026
28)	SA Decachlor...	9.003	7.984	55945594	101.5E6	23.461m	23.401m
Target Compounds							
2)	A alpha-BHC	3.977	3.331	239.2E6	372.7E6	51.714	52.657
3)	MA gamma-BHC...	4.304	3.663	232.6E6	343.5E6	52.577m	52.014
4)	MA Heptachlor	4.896	4.011	240.6E6	341.1E6	57.896	51.205
5)	MB Aldrin	5.236	4.293	241.4E6	315.2E6	56.132	50.778
6)	B beta-BHC	4.493	3.959	82985406	149.6E6	45.976	53.032
7)	B delta-BHC	4.737	4.192	182.9E6	282.9E6	45.829	43.705
8)	B Heptachlo...	5.654	4.795	205.9E6	278.0E6	53.385m	48.678
9)	A Endosulfan I	6.036	5.167	207.9E6	274.2E6	57.801	49.564
10)	B gamma-Chl...	5.907	5.046	217.0E6	319.9E6	57.015m	54.404m
11)	B alpha-Chl...	5.988	5.111	225.7E6	335.0E6	58.552m	56.783
12)	B 4,4'-DDE	6.160	5.300	178.5E6	336.2E6	55.581	60.960
13)	MA Dieldrin	6.308	5.430	186.0E6	323.1E6	50.113	54.707
14)	MA Endrin	6.533	5.705	150.7E6	282.6E6	49.794m	52.282
15)	B Endosulfa...	6.747	5.997	146.4E6	265.2E6	45.719m	51.629
16)	A 4,4'-DDD	6.668	5.852	148.3E6	203.4E6	58.672	43.219 #
17)	MA 4,4'-DDT	6.982	6.104	196.4E6	316.9E6	68.503	62.658
18)	B Endrin al...	6.876	6.175	110.6E6	176.7E6	51.517	48.596
19)	B Endosulfa...	7.109	6.398	136.7E6	214.7E6	47.568	42.219
20)	A Methoxychlor	7.453	6.675	88621839	112.8E6	60.355m	41.146m#
21)	B Endrin ke...	7.588	6.902	142.3E6	236.5E6	47.339m	42.460
22)	Mirex	8.067	7.092	113.3E6	177.2E6	45.689	40.640

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
Data File : PL096891.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 14:26
Operator : AR\AJ
Sample : Q2888-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

VNJ-210MSD

Manual Integrations

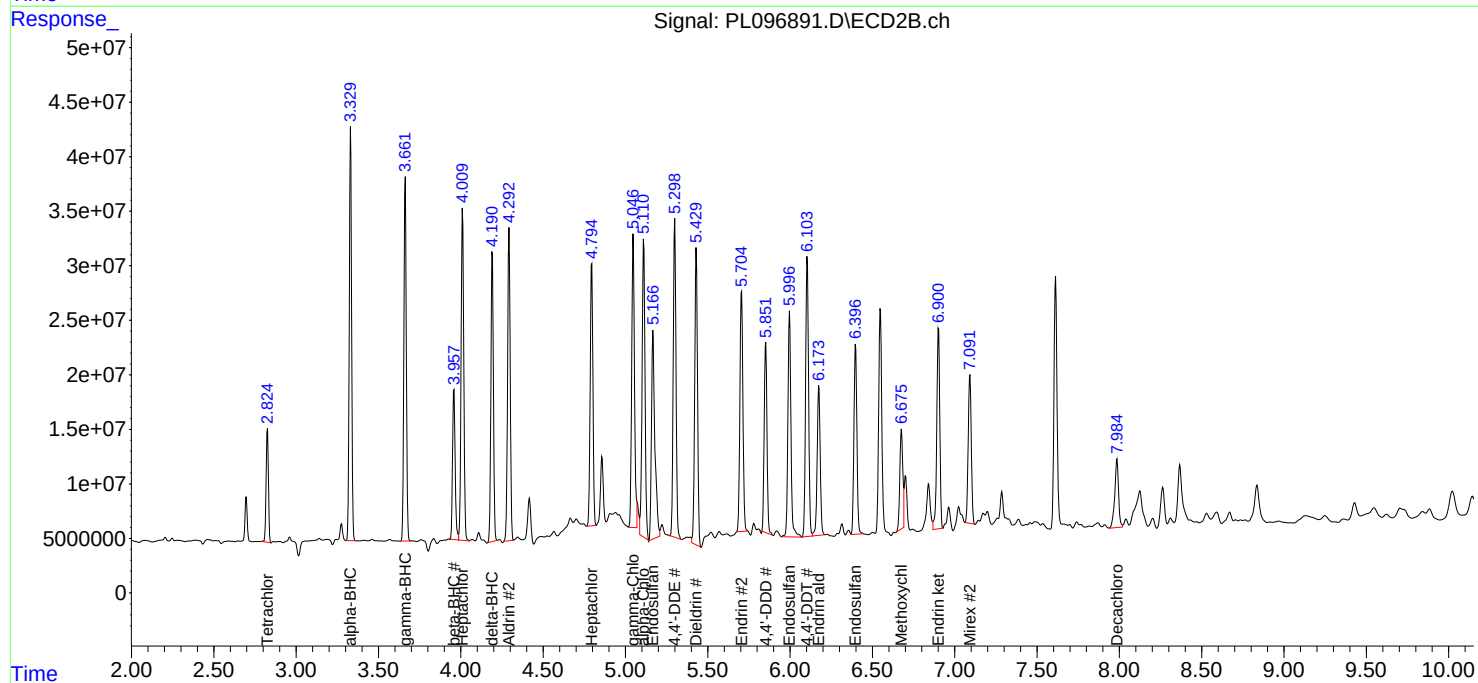
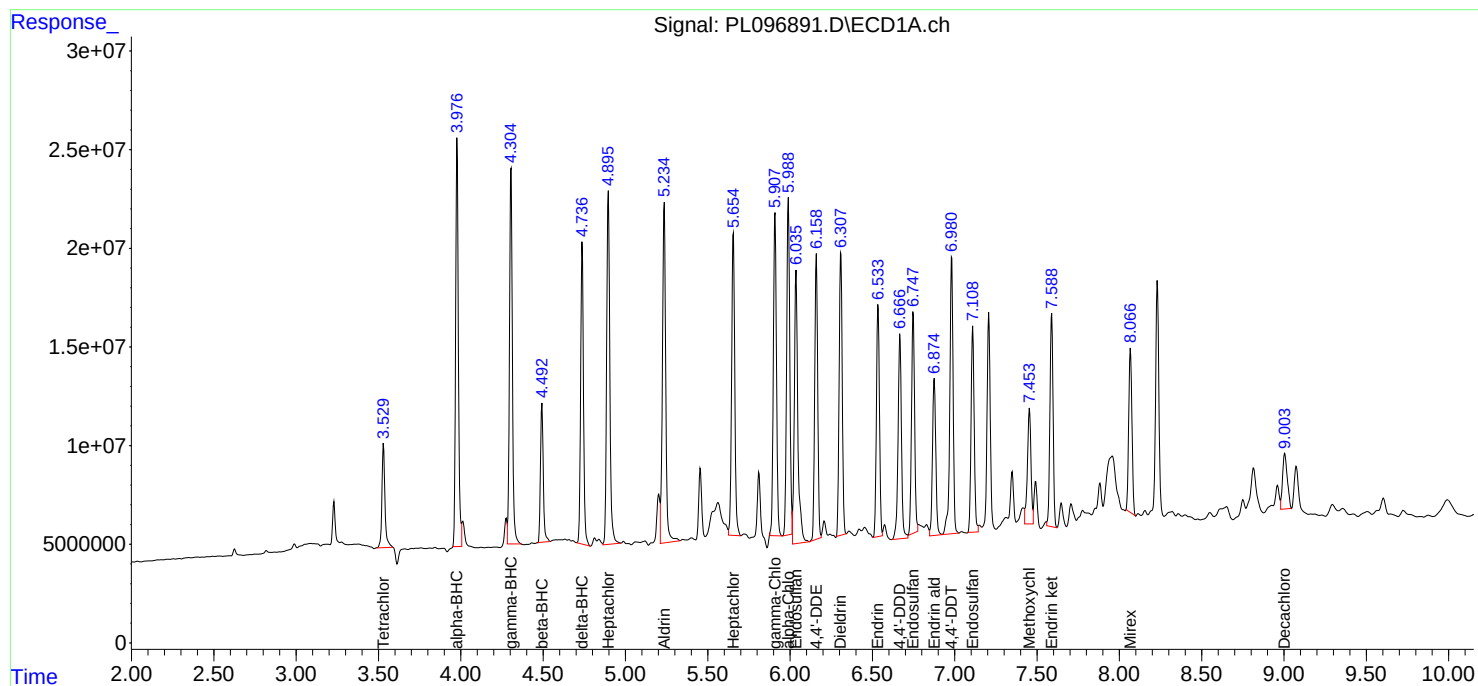
APPROVED

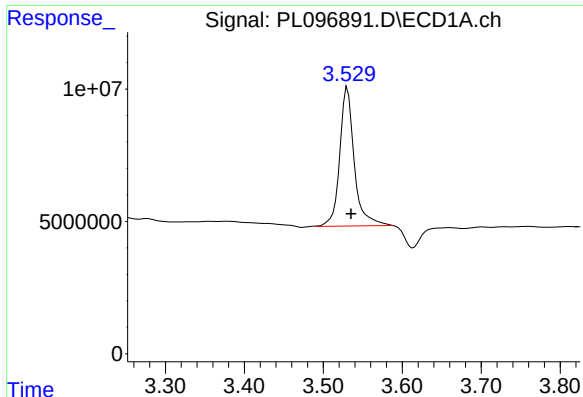
Reviewed By :Abdul Mirza 08/20/2025

Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 01:37:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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





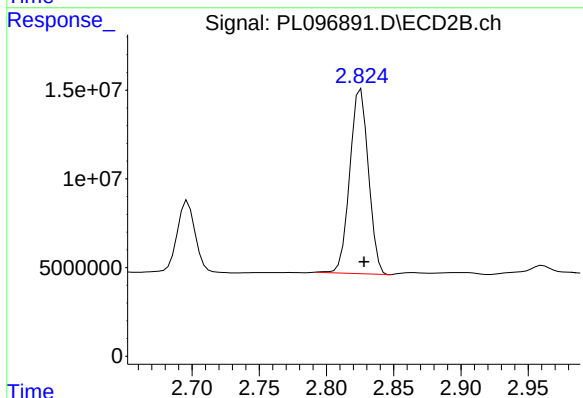
#1 Tetrachloro-m-xylene

R.T.: 3.529 min
Delta R.T.: -0.006 min
Response: 67163858
Conc: 21.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD

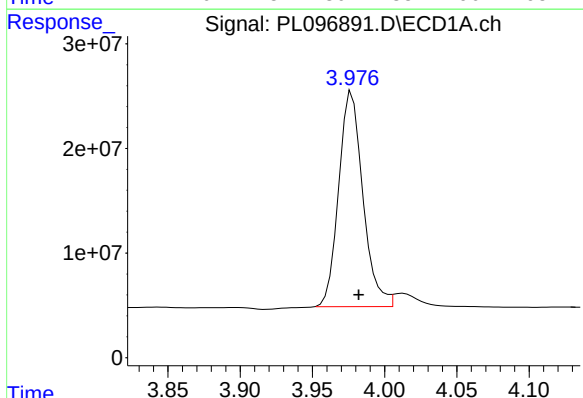
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



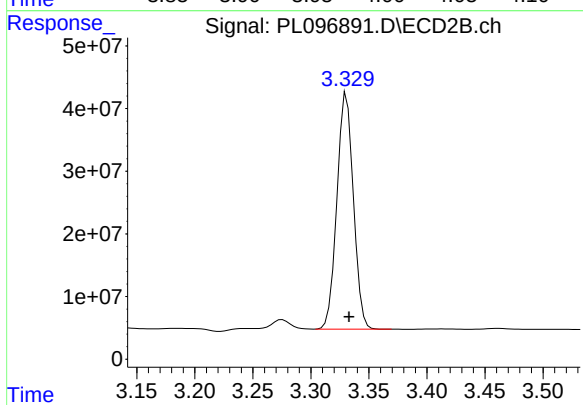
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 100455077
Conc: 21.03 ng/ml



#2 alpha-BHC

R.T.: 3.977 min
Delta R.T.: -0.005 min
Response: 239249165
Conc: 51.71 ng/ml

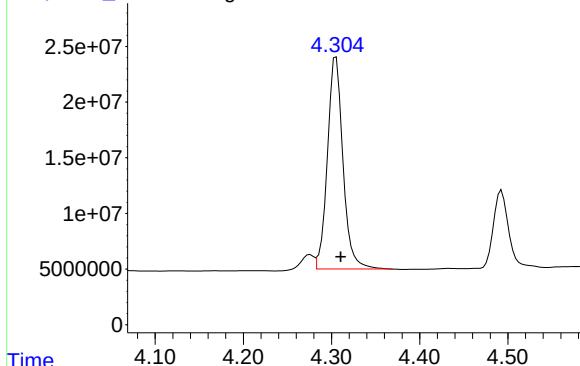


#2 alpha-BHC

R.T.: 3.331 min
Delta R.T.: -0.002 min
Response: 372658898
Conc: 52.66 ng/ml

Response_ Signal: PL096891.D\ECD1A.ch

#3 gamma-BHC (Lindane)



R.T.: 4.304 min
Delta R.T.: -0.006 min
Response: 232570984
Conc: 52.58 ng/ml

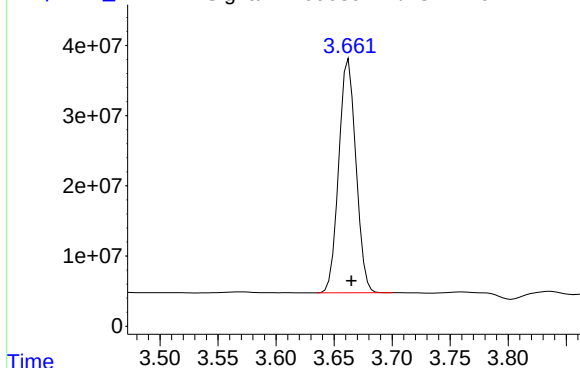
Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Time Response_ Signal: PL096891.D\ECD2B.ch

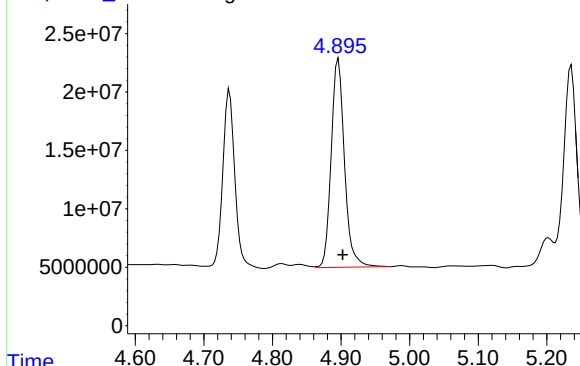
#3 gamma-BHC (Lindane)



R.T.: 3.663 min
Delta R.T.: -0.002 min
Response: 343464907
Conc: 52.01 ng/ml

Time Response_ Signal: PL096891.D\ECD1A.ch

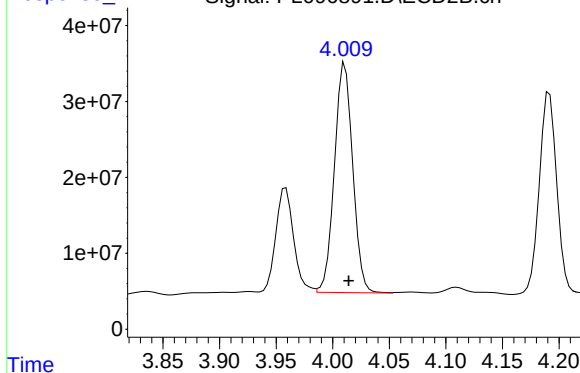
#4 Heptachlor



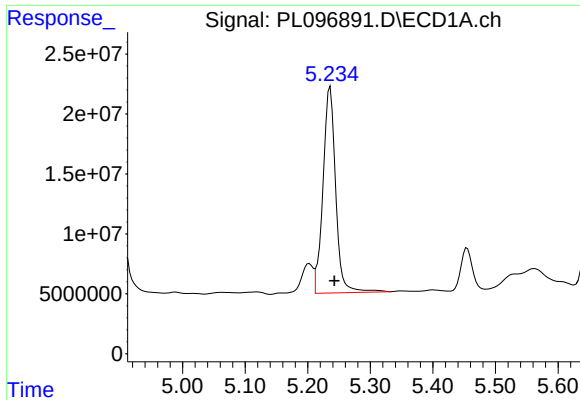
R.T.: 4.896 min
Delta R.T.: -0.007 min
Response: 240596960
Conc: 57.90 ng/ml

Time Response_ Signal: PL096891.D\ECD2B.ch

#4 Heptachlor



R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 341125856
Conc: 51.21 ng/ml



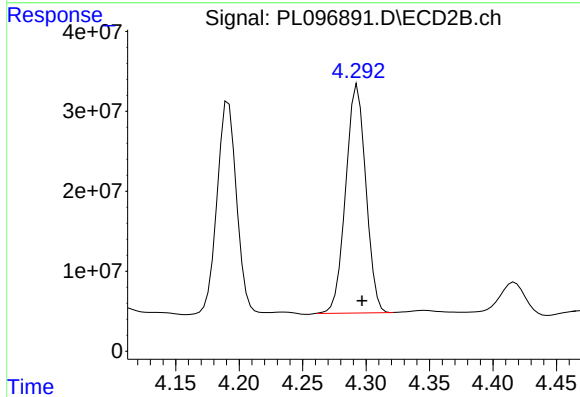
#5 Aldrin

R.T.: 5.236 min
Delta R.T.: -0.007 min
Response: 241422672
Conc: 56.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD

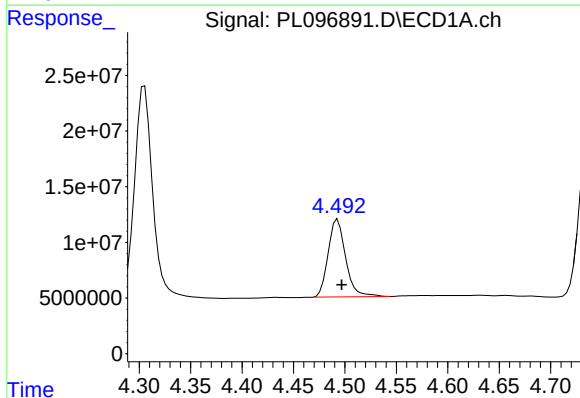
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



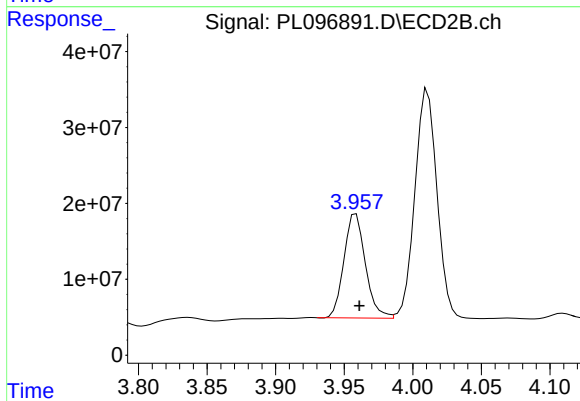
#5 Aldrin

R.T.: 4.293 min
Delta R.T.: -0.004 min
Response: 315182898
Conc: 50.78 ng/ml



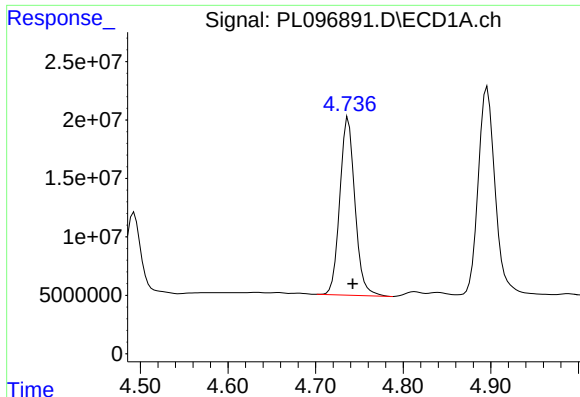
#6 beta-BHC

R.T.: 4.493 min
Delta R.T.: -0.004 min
Response: 82985406
Conc: 45.98 ng/ml



#6 beta-BHC

R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 149599194
Conc: 53.03 ng/ml



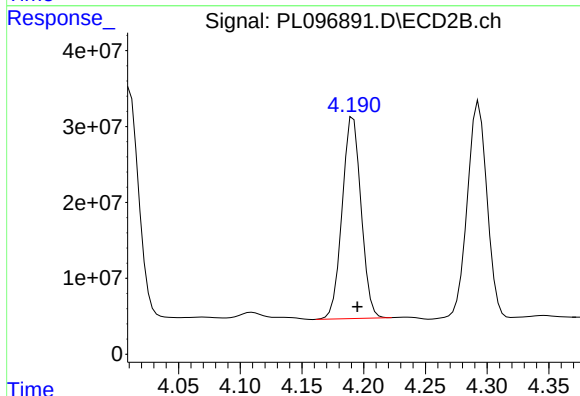
#7 delta-BHC

R.T.: 4.737 min
Delta R.T.: -0.005 min
Response: 182853086
Conc: 45.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD

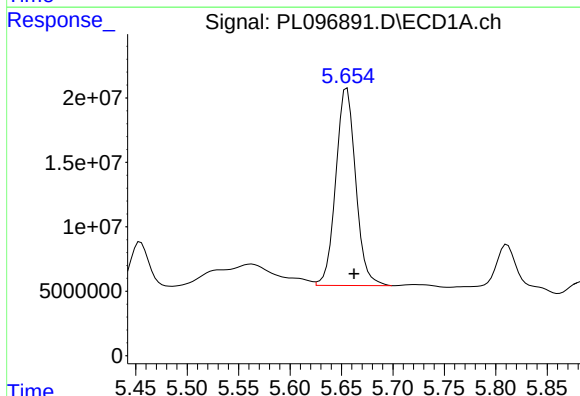
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



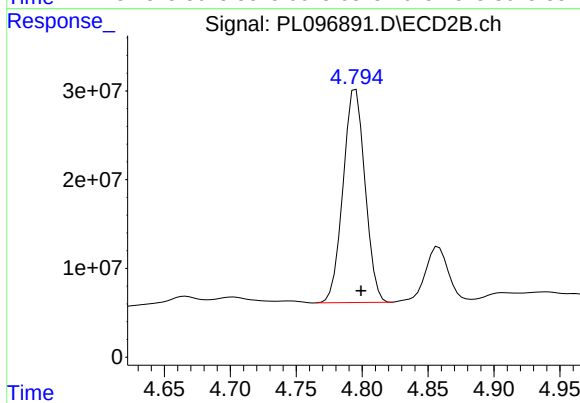
#7 delta-BHC

R.T.: 4.192 min
Delta R.T.: -0.003 min
Response: 282929191
Conc: 43.70 ng/ml



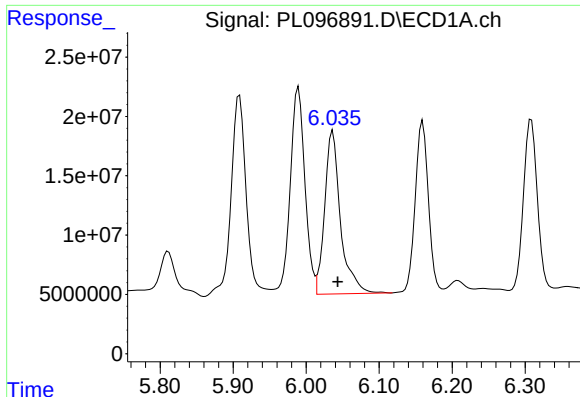
#8 Heptachlor epoxide

R.T.: 5.654 min
Delta R.T.: -0.008 min
Response: 205879986
Conc: 53.38 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.795 min
Delta R.T.: -0.004 min
Response: 278018939
Conc: 48.68 ng/ml



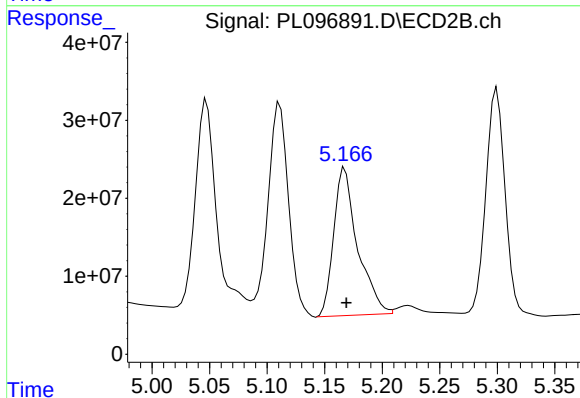
#9 Endosulfan I

R.T.: 6.036 min
Delta R.T.: -0.007 min
Response: 207872783
Conc: 57.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD

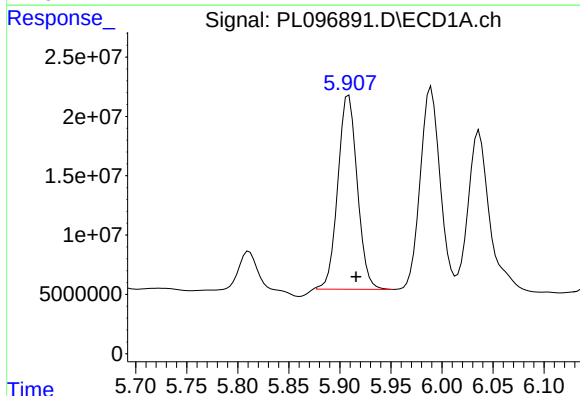
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



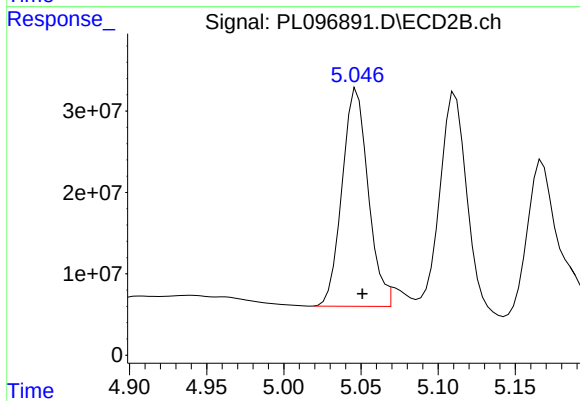
#9 Endosulfan I

R.T.: 5.167 min
Delta R.T.: -0.002 min
Response: 274160923
Conc: 49.56 ng/ml



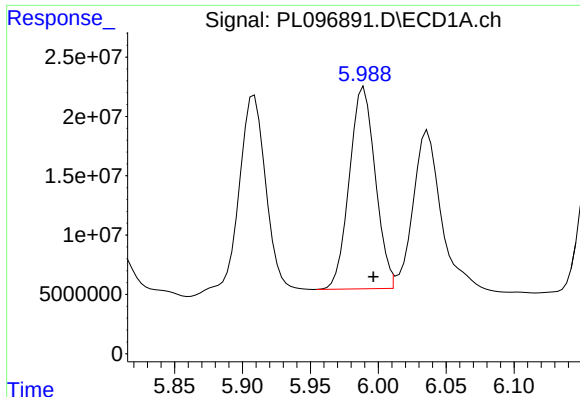
#10 gamma-Chlordane

R.T.: 5.907 min
Delta R.T.: -0.008 min
Response: 216954062
Conc: 57.01 ng/ml m



#10 gamma-Chlordane

R.T.: 5.046 min
Delta R.T.: -0.005 min
Response: 319901794
Conc: 54.40 ng/ml m



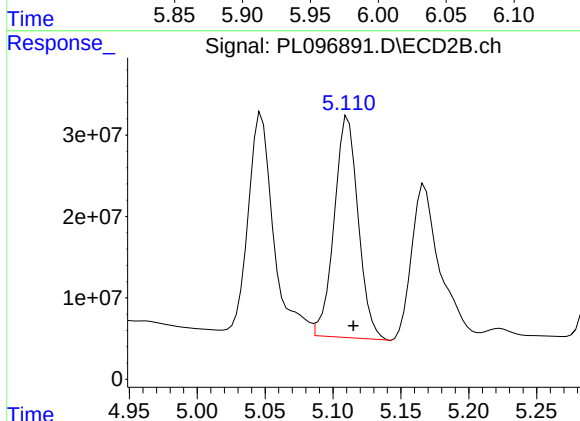
#11 alpha-Chlordane

R.T.: 5.988 min
Delta R.T.: -0.008 min
Response: 225697731
Conc: 58.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD

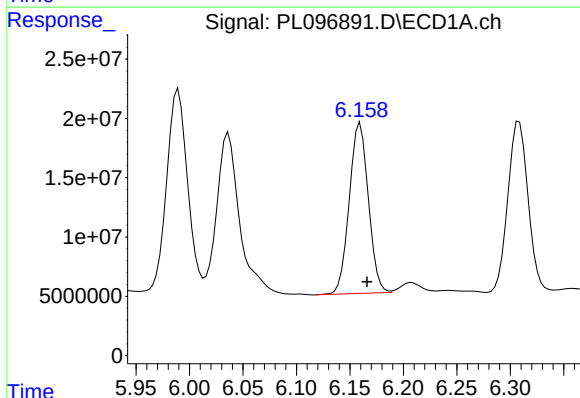
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



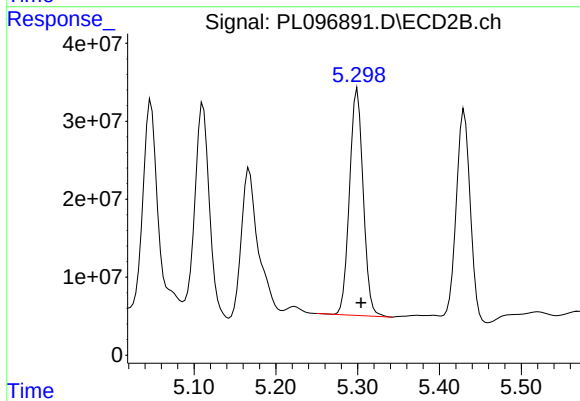
#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 334957101
Conc: 56.78 ng/ml



#12 4,4'-DDE

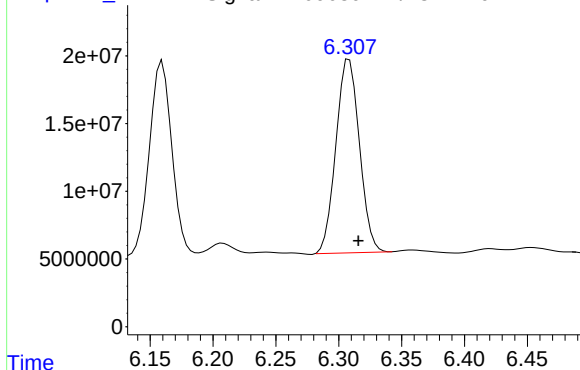
R.T.: 6.160 min
Delta R.T.: -0.006 min
Response: 178485322
Conc: 55.58 ng/ml



#12 4,4'-DDE

R.T.: 5.300 min
Delta R.T.: -0.004 min
Response: 336159872
Conc: 60.96 ng/ml

Response_ Signal: PL096891.D\ECD1A.ch



#13 Dieldrin

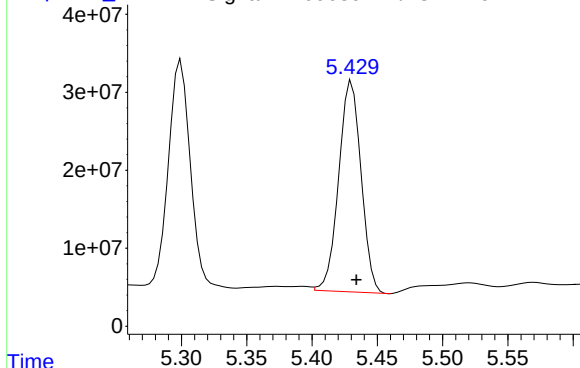
R.T.: 6.308 min
Delta R.T.: -0.007 min
Response: 185975760
Conc: 50.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

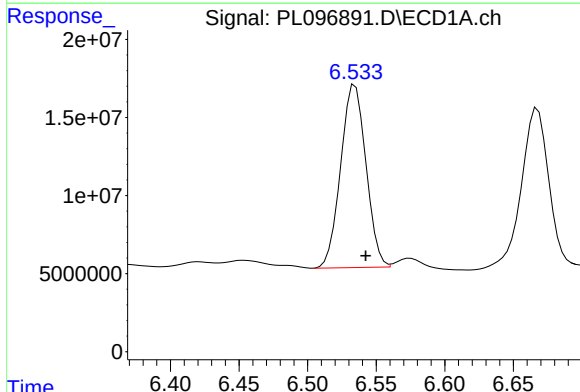
Response_ Signal: PL096891.D\ECD2B.ch



#13 Dieldrin

R.T.: 5.430 min
Delta R.T.: -0.004 min
Response: 323130171
Conc: 54.71 ng/ml

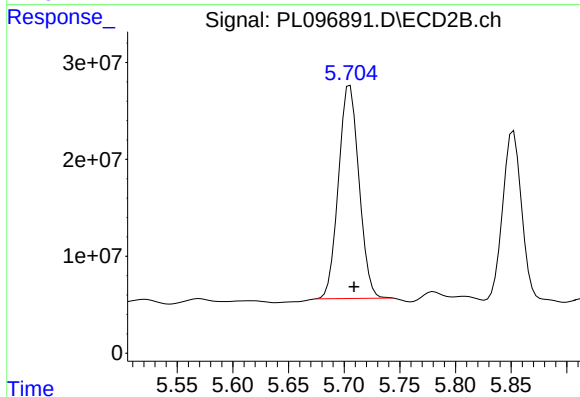
Response_ Signal: PL096891.D\ECD1A.ch



#14 Endrin

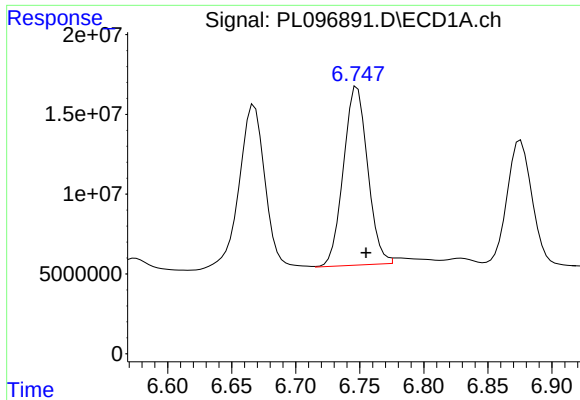
R.T.: 6.533 min
Delta R.T.: -0.009 min
Response: 150715417
Conc: 49.79 ng/ml m

Response_ Signal: PL096891.D\ECD2B.ch



#14 Endrin

R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 282635739
Conc: 52.28 ng/ml



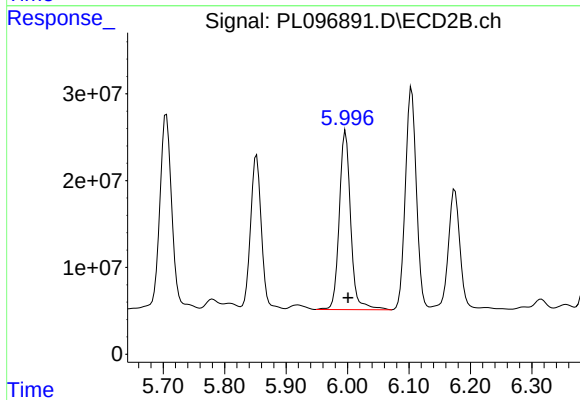
#15 Endosulfan II

R.T.: 6.747 min
Delta R.T.: -0.008 min
Response: 146421201
Conc: 45.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD

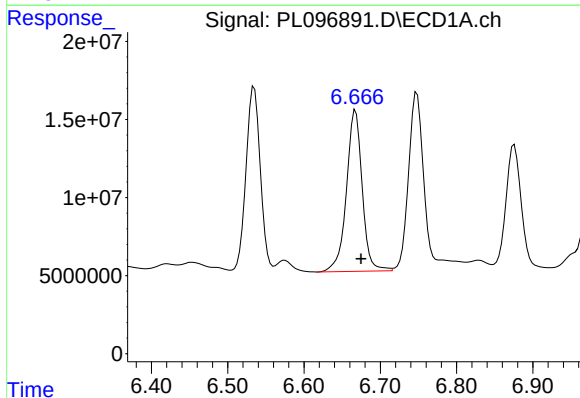
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



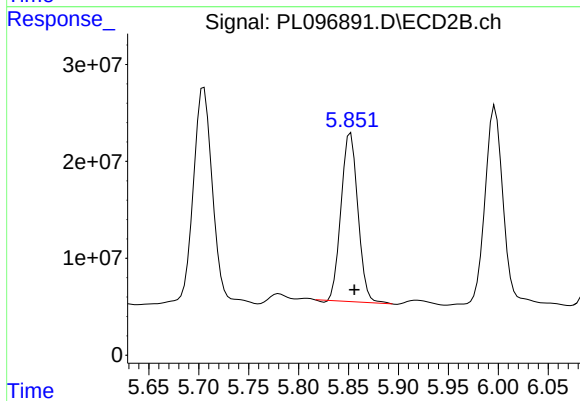
#15 Endosulfan II

R.T.: 5.997 min
Delta R.T.: -0.004 min
Response: 265178125
Conc: 51.63 ng/ml



#16 4,4'-DDD

R.T.: 6.668 min
Delta R.T.: -0.007 min
Response: 148345646
Conc: 58.67 ng/ml



#16 4,4'-DDD

R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 203356114
Conc: 43.22 ng/ml

Response_ Signal: PL096891.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 6.982 min
Delta R.T.: -0.007 min
Response: 196446057
Conc: 68.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD

**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Time

Response_ Signal: PL096891.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 316943877
Conc: 62.66 ng/ml

Time

Response_ Signal: PL096891.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: -0.008 min
Response: 110552078
Conc: 51.52 ng/ml

Time

Response_ Signal: PL096891.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 176650597
Conc: 48.60 ng/ml

Time

Response_ Signal: PL096891.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: -0.008 min
Response: 110552078
Conc: 51.52 ng/ml

Time

Response_ Signal: PL096891.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 176650597
Conc: 48.60 ng/ml

Time

Response_ Signal: PL096891.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: -0.008 min
Response: 110552078
Conc: 51.52 ng/ml

Time

Response_ Signal: PL096891.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: -0.008 min
Response: 110552078
Conc: 51.52 ng/ml

Time

Response_ Signal: PL096891.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: -0.008 min
Response: 110552078
Conc: 51.52 ng/ml

Time

Response_ Signal: PL096891.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: -0.008 min
Response: 110552078
Conc: 51.52 ng/ml

Time

Response_ Signal: PL096891.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: -0.008 min
Response: 110552078
Conc: 51.52 ng/ml

Time

Response_ Signal: PL096891.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: -0.008 min
Response: 110552078
Conc: 51.52 ng/ml

Time

Response_ Signal: PL096891.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: -0.008 min
Response: 110552078
Conc: 51.52 ng/ml

Time

Response_ Signal: PL096891.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: -0.008 min
Response: 110552078
Conc: 51.52 ng/ml

Time

Response_ Signal: PL096891.D\ECD1A.ch

#18 Endrin aldehyde

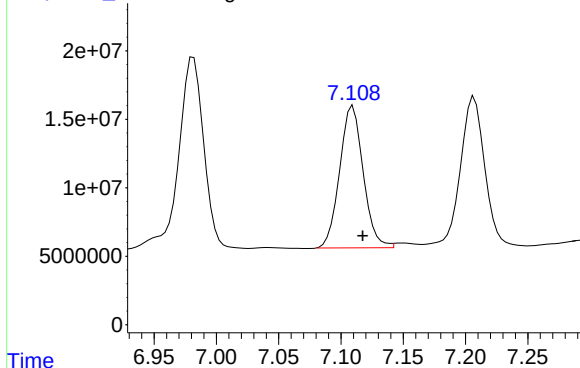
R.T.: 6.876 min
Delta R.T.: -0.008 min
Response: 110552078
Conc: 51.52 ng/ml

Time

Response_ Signal: PL096891.D\ECD2B.ch

#18 Endrin aldehyde

Response_ Signal: PL096891.D\ECD1A.ch



#19 Endosulfan Sulfate

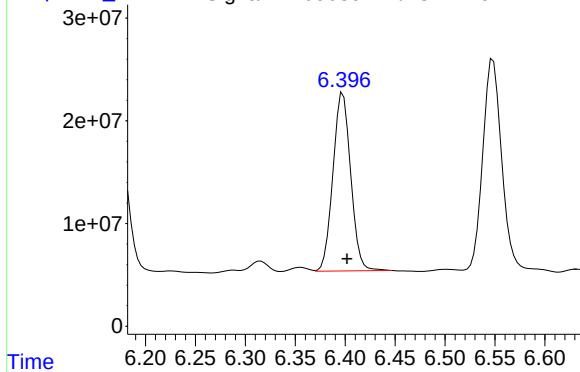
R.T.: 7.109 min
Delta R.T.: -0.008 min
Response: 136694923
Conc: 47.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

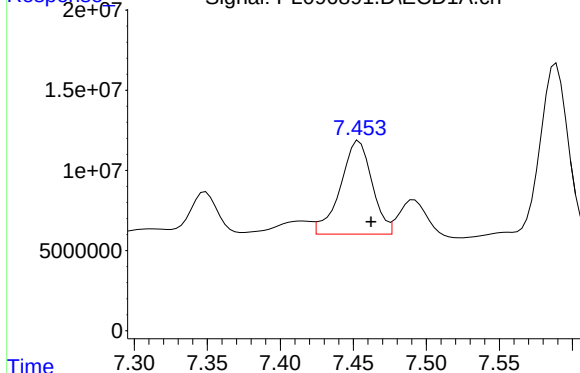
Time Response_ Signal: PL096891.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 214733701
Conc: 42.22 ng/ml

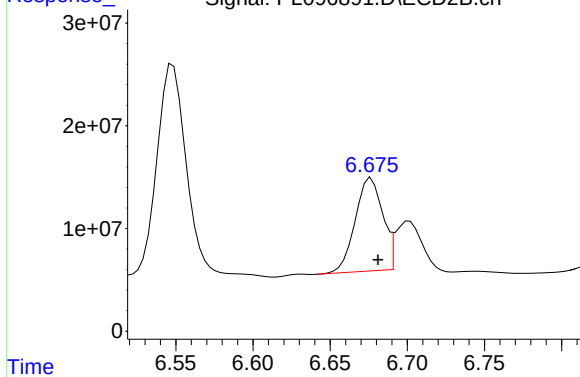
Time Response_ Signal: PL096891.D\ECD1A.ch



#20 Methoxychlor

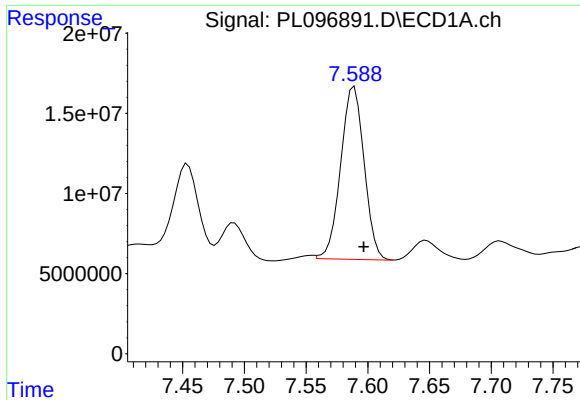
R.T.: 7.453 min
Delta R.T.: -0.010 min
Response: 88621839
Conc: 60.35 ng/ml m

Time Response_ Signal: PL096891.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.675 min
Delta R.T.: -0.006 min
Response: 112760354
Conc: 41.15 ng/ml m



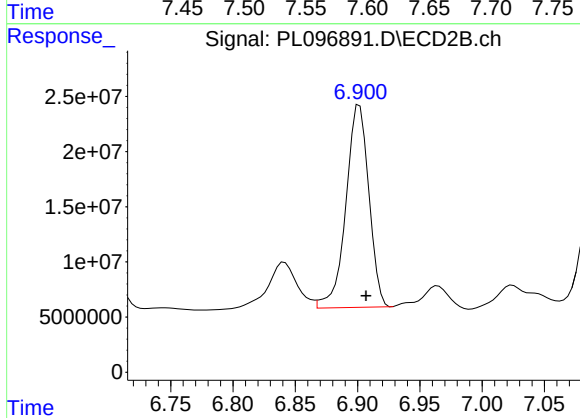
#21 Endrin ketone

R.T.: 7.588 min
Delta R.T.: -0.009 min
Response: 142336513
Conc: 47.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD

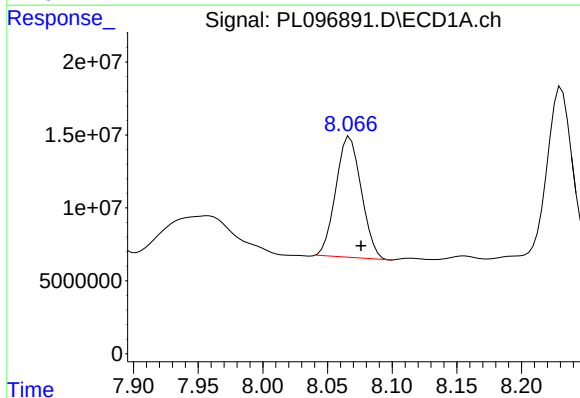
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



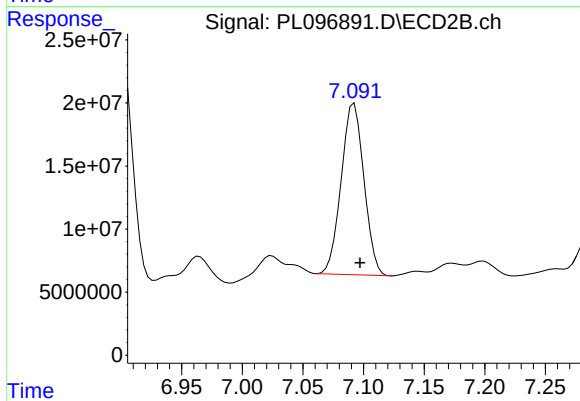
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 236489481
Conc: 42.46 ng/ml



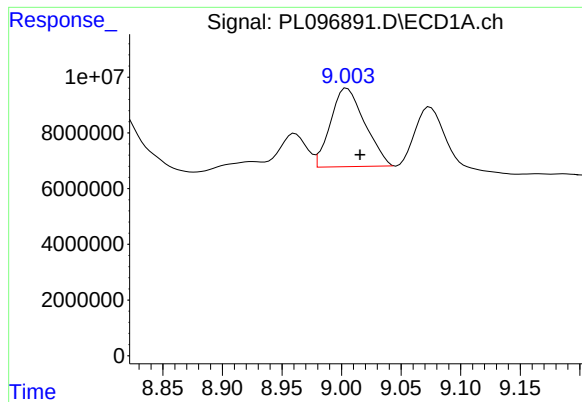
#22 Mirex

R.T.: 8.067 min
Delta R.T.: -0.009 min
Response: 113278687
Conc: 45.69 ng/ml



#22 Mirex

R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 177226306
Conc: 40.64 ng/ml



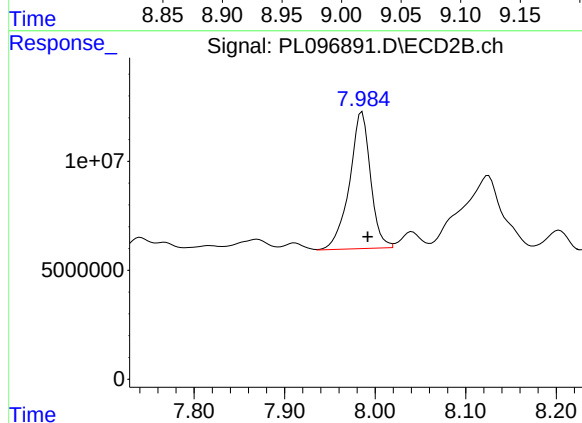
#28 Decachlorobiphenyl

R.T.: 9.003 min
Delta R.T.: -0.013 min
Response: 55945594
Conc: 23.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



#28 Decachlorobiphenyl

R.T.: 7.984 min
Delta R.T.: -0.008 min
Response: 101522137
Conc: 23.40 ng/ml m

Manual Integration Report

Sequence:	pl072825	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL096594.D	4,4"-DDD	Abdul	7/29/2025 9:49:39 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PEM	PL096594.D	4,4"-DDD #2	Abdul	7/29/2025 9:49:39 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PEM	PL096594.D	Endrin aldehyde	Abdul	7/29/2025 9:49:39 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PEM	PL096594.D	Endrin ketone	Abdul	7/29/2025 9:49:39 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PEM	PL096594.D	Endrin ketone #2	Abdul	7/29/2025 9:49:39 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
RESCHK	PL096595.D	Endosulfan I #2	Abdul	7/29/2025 9:49:43 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC025	PL096599.D	Endrin aldehyde #2	Abdul	7/29/2025 9:49:47 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC025	PL096599.D	Endrin ketone #2	Abdul	7/29/2025 9:49:47 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC005	PL096600.D	Aldrin	Abdul	7/29/2025 9:49:51 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC005	PL096600.D	Endosulfan II	Abdul	7/29/2025 9:49:51 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC005	PL096600.D	Endrin aldehyde #2	Abdul	7/29/2025 9:49:51 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC005	PL096600.D	Heptachlor	Abdul	7/29/2025 9:49:51 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software
PSTDICC005	PL096600.D	Heptachlor epoxide	Abdul	7/29/2025 9:49:51 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software



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

Manual Integration Report

Sequence:

pl072825

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDICV050	PL096611.D	delta-BHC	Abdul	7/29/2025 9:49:55 AM	mohammad	7/30/2025 2:11:50	Peak Integrated by Software

Manual Integration Report

Sequence:	PL081825	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PL096843.D	Decachlorobiphenyl	Abdul	8/19/2025 8:37:33 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PEM	PL096844.D	alpha-BHC	Abdul	8/19/2025 8:37:38 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PEM	PL096844.D	beta-BHC	Abdul	8/19/2025 8:37:38 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PEM	PL096844.D	Endrin	Abdul	8/19/2025 8:37:38 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PEM	PL096844.D	Endrin aldehyde	Abdul	8/19/2025 8:37:38 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PEM	PL096844.D	gamma-BHC (Lindane)	Abdul	8/19/2025 8:37:38 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PEM	PL096844.D	Methoxychlor #2	Abdul	8/19/2025 8:37:38 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096845.D	alpha-BHC	Abdul	8/19/2025 8:37:46 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096845.D	beta-BHC	Abdul	8/19/2025 8:37:46 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096845.D	Decachlorobiphenyl	Abdul	8/19/2025 8:37:46 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096845.D	gamma-BHC (Lindane)	Abdul	8/19/2025 8:37:46 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096845.D	Heptachlor	Abdul	8/19/2025 8:37:46 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096845.D	Mirex	Abdul	8/19/2025 8:37:46 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software

Manual Integration Report

Sequence:

PL081825

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL096845.D	Mirex #2	Abdul	8/19/2025 8:37:46 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096845.D	Tetrachloro-m-xylene	Abdul	8/19/2025 8:37:46 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096850.D	alpha-BHC	Abdul	8/19/2025 8:38:05 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096850.D	beta-BHC	Abdul	8/19/2025 8:38:05 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096850.D	Decachlorobiphenyl	Abdul	8/19/2025 8:38:05 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096850.D	Endosulfan Sulfate	Abdul	8/19/2025 8:38:05 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096850.D	Endrin	Abdul	8/19/2025 8:38:05 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096850.D	gamma-BHC (Lindane)	Abdul	8/19/2025 8:38:05 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096850.D	Mirex	Abdul	8/19/2025 8:38:05 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096850.D	Mirex #2	Abdul	8/19/2025 8:38:05 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PCHLORCCC500	PL096851.D	Chlordane-1	Abdul	8/19/2025 8:38:10 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PCHLORCCC500	PL096851.D	Decachlorobiphenyl	Abdul	8/19/2025 8:38:10 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PCHLORCCC500	PL096851.D	Decachlorobiphenyl #2	Abdul	8/19/2025 8:38:10 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software

Manual Integration Report

Sequence:	PL081825	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PTOXCCC500	PL096852.D	Decachlorobiphenyl #2	Abdul	8/19/2025 8:38:14 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PTOXCCC500	PL096852.D	Toxaphene-1	Abdul	8/19/2025 8:38:14 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PTOXCCC500	PL096852.D	Toxaphene-1 #2	Abdul	8/19/2025 8:38:14 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
I.BLK	PL096857.D	Decachlorobiphenyl	Abdul	8/19/2025 8:38:34 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
I.BLK	PL096857.D	Decachlorobiphenyl #2	Abdul	8/19/2025 8:38:34 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096858.D	beta-BHC	Abdul	8/19/2025 8:38:38 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096858.D	Decachlorobiphenyl	Abdul	8/19/2025 8:38:38 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096858.D	Decachlorobiphenyl #2	Abdul	8/19/2025 8:38:38 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096858.D	Dieldrin	Abdul	8/19/2025 8:38:38 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096858.D	Endosulfan II	Abdul	8/19/2025 8:38:38 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096858.D	Endosulfan Sulfate	Abdul	8/19/2025 8:38:38 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096858.D	Endrin	Abdul	8/19/2025 8:38:38 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096858.D	Methoxychlor #2	Abdul	8/19/2025 8:38:38 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software

Manual Integration Report

Sequence:	PL081825	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL096858.D	Mirex	Abdul	8/19/2025 8:38:38 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PCHLORCCC500	PL096859.D	Chlordane-1	Abdul	8/19/2025 8:38:42 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PCHLORCCC500	PL096859.D	Decachlorobiphenyl	Abdul	8/19/2025 8:38:42 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-01	PL096860.D	4,4"-DDD	Abdul	8/19/2025 8:38:46 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-01	PL096860.D	4,4"-DDD #2	Abdul	8/19/2025 8:38:46 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-01	PL096860.D	4,4"-DDT	Abdul	8/19/2025 8:38:46 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-01	PL096860.D	Decachlorobiphenyl	Abdul	8/19/2025 8:38:46 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-01	PL096860.D	Decachlorobiphenyl #2	Abdul	8/19/2025 8:38:46 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-01	PL096860.D	Endosulfan II	Abdul	8/19/2025 8:38:46 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-01	PL096860.D	Endrin	Abdul	8/19/2025 8:38:46 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-01	PL096860.D	Endrin #2	Abdul	8/19/2025 8:38:46 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-01	PL096860.D	gamma-Chlordane #2	Abdul	8/19/2025 8:38:46 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-03	PL096861.D	4,4"-DDD	Abdul	8/19/2025 8:38:50 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software

Manual Integration Report

Sequence:

PL081825

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2879-03	PL096861.D	4,4"-DDD #2	Abdul	8/19/2025 8:38:50 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-03	PL096861.D	4,4"-DDT	Abdul	8/19/2025 8:38:50 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-03	PL096861.D	Decachlorobiphenyl	Abdul	8/19/2025 8:38:50 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-03	PL096861.D	Decachlorobiphenyl #2	Abdul	8/19/2025 8:38:50 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-03	PL096861.D	Endrin	Abdul	8/19/2025 8:38:50 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-03	PL096861.D	Endrin #2	Abdul	8/19/2025 8:38:50 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-03	PL096861.D	gamma-Chlordane #2	Abdul	8/19/2025 8:38:50 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-05	PL096862.D	4,4"-DDD	Abdul	8/19/2025 8:38:57 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-05	PL096862.D	4,4"-DDD #2	Abdul	8/19/2025 8:38:57 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-05	PL096862.D	4,4"-DDT	Abdul	8/19/2025 8:38:57 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-05	PL096862.D	Decachlorobiphenyl	Abdul	8/19/2025 8:38:57 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-05	PL096862.D	Decachlorobiphenyl #2	Abdul	8/19/2025 8:38:57 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-05	PL096862.D	Endosulfan II	Abdul	8/19/2025 8:38:57 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software

Manual Integration Report

Sequence:

PL081825

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2879-05	PL096862.D	Endrin	Abdul	8/19/2025 8:38:57 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-05	PL096862.D	Endrin #2	Abdul	8/19/2025 8:38:57 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-05	PL096862.D	gamma-Chlordane #2	Abdul	8/19/2025 8:38:57 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-07	PL096863.D	4,4"-DDD	Abdul	8/19/2025 8:39:01 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-07	PL096863.D	4,4"-DDD #2	Abdul	8/19/2025 8:39:01 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-07	PL096863.D	alpha-Chlordane	Abdul	8/19/2025 8:39:01 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-07	PL096863.D	Decachlorobiphenyl #2	Abdul	8/19/2025 8:39:01 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-07	PL096863.D	Endrin	Abdul	8/19/2025 8:39:01 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-07	PL096863.D	Endrin #2	Abdul	8/19/2025 8:39:01 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-07	PL096863.D	gamma-Chlordane	Abdul	8/19/2025 8:39:01 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-07	PL096863.D	gamma-Chlordane #2	Abdul	8/19/2025 8:39:01 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-07	PL096863.D	Heptachlor	Abdul	8/19/2025 8:39:01 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-07	PL096863.D	Heptachlor #2	Abdul	8/19/2025 8:39:01 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software

Manual Integration Report

Sequence:

PL081825

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2879-09	PL096864.D	4,4"-DDD	Abdul	8/19/2025 8:39:05 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-09	PL096864.D	4,4"-DDD #2	Abdul	8/19/2025 8:39:05 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-09	PL096864.D	4,4"-DDT	Abdul	8/19/2025 8:39:05 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-09	PL096864.D	Decachlorobiphenyl	Abdul	8/19/2025 8:39:05 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-09	PL096864.D	Decachlorobiphenyl #2	Abdul	8/19/2025 8:39:05 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-09	PL096864.D	Endrin	Abdul	8/19/2025 8:39:05 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-09	PL096864.D	Endrin #2	Abdul	8/19/2025 8:39:05 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-09	PL096864.D	gamma-Chlordane #2	Abdul	8/19/2025 8:39:05 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-11	PL096865.D	4,4"-DDD	Abdul	8/19/2025 8:39:08 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-11	PL096865.D	4,4"-DDD #2	Abdul	8/19/2025 8:39:08 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-11	PL096865.D	4,4"-DDT	Abdul	8/19/2025 8:39:08 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-11	PL096865.D	alpha-Chlordane	Abdul	8/19/2025 8:39:08 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-11	PL096865.D	Decachlorobiphenyl	Abdul	8/19/2025 8:39:08 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software

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Sequence:	PL081825	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2879-11	PL096865.D	Decachlorobiphenyl #2	Abdul	8/19/2025 8:39:08 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-11	PL096865.D	Endrin #2	Abdul	8/19/2025 8:39:08 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-11	PL096865.D	gamma-Chlordane	Abdul	8/19/2025 8:39:08 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
Q2879-11	PL096865.D	gamma-Chlordane #2	Abdul	8/19/2025 8:39:08 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
I.BLK	PL096866.D	Decachlorobiphenyl	Abdul	8/19/2025 8:39:11 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PEM	PL096867.D	4,4"-DDE	Abdul	8/19/2025 8:39:14 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PEM	PL096867.D	4,4"-DDE #2	Abdul	8/19/2025 8:39:14 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PEM	PL096867.D	beta-BHC	Abdul	8/19/2025 8:39:14 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PEM	PL096867.D	Endrin	Abdul	8/19/2025 8:39:14 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PEM	PL096867.D	Endrin aldehyde	Abdul	8/19/2025 8:39:14 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PEM	PL096867.D	Endrin ketone #2	Abdul	8/19/2025 8:39:14 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PEM	PL096867.D	gamma-BHC (Lindane)	Abdul	8/19/2025 8:39:14 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PEM	PL096867.D	Methoxychlor #2	Abdul	8/19/2025 8:39:14 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software

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Sequence:	PL081825	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL096868.D	beta-BHC	Abdul	8/19/2025 8:39:18 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096868.D	Decachlorobiphenyl	Abdul	8/19/2025 8:39:18 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096868.D	Dieldrin	Abdul	8/19/2025 8:39:18 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096868.D	Endrin	Abdul	8/19/2025 8:39:18 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096868.D	gamma-BHC (Lindane)	Abdul	8/19/2025 8:39:18 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096868.D	Methoxychlor #2	Abdul	8/19/2025 8:39:18 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096868.D	Mirex	Abdul	8/19/2025 8:39:18 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
I.BLK	PL096878.D	Decachlorobiphenyl	Abdul	8/19/2025 8:36:02 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
I.BLK	PL096878.D	Decachlorobiphenyl #2	Abdul	8/19/2025 8:36:02 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096879.D	4,4"-DDD	Abdul	8/19/2025 8:36:06 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096879.D	alpha-BHC	Abdul	8/19/2025 8:36:06 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096879.D	beta-BHC	Abdul	8/19/2025 8:36:06 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096879.D	Decachlorobiphenyl	Abdul	8/19/2025 8:36:06 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software

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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL096879.D	Dieldrin	Abdul	8/19/2025 8:36:06 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096879.D	Endosulfan Sulfate	Abdul	8/19/2025 8:36:06 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096879.D	Endrin	Abdul	8/19/2025 8:36:06 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096879.D	gamma-BHC (Lindane)	Abdul	8/19/2025 8:36:06 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software
PSTDCCC050	PL096879.D	Mirex	Abdul	8/19/2025 8:36:06 AM	mohammad	8/20/2025 3:05:16	Peak Integrated by Software

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Sequence:	pl081925	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PL096881.D	Decachlorobiphenyl	Abdul	8/20/2025 11:40:45 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PEM	PL096882.D	4,4"-DDD	Abdul	8/20/2025 11:40:56 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PEM	PL096882.D	4,4"-DDD #2	Abdul	8/20/2025 11:40:56 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PEM	PL096882.D	Decachlorobiphenyl #2	Abdul	8/20/2025 11:40:56 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PEM	PL096882.D	Endrin	Abdul	8/20/2025 11:40:56 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PEM	PL096882.D	Endrin aldehyde	Abdul	8/20/2025 11:40:56 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PEM	PL096882.D	Endrin aldehyde #2	Abdul	8/20/2025 11:40:56 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PEM	PL096882.D	Endrin ketone	Abdul	8/20/2025 11:40:56 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PEM	PL096882.D	Endrin ketone #2	Abdul	8/20/2025 11:40:56 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PEM	PL096882.D	Methoxychlor #2	Abdul	8/20/2025 11:40:56 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096883.D	beta-BHC	Abdul	8/20/2025 8:44:46 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096883.D	Dieldrin #2	Abdul	8/20/2025 8:44:46 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096883.D	Endosulfan II	Abdul	8/20/2025 8:44:46 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software

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Sequence:	pl081925	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL096883.D	Endrin	Abdul	8/20/2025 8:44:46 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096883.D	Endrin aldehyde	Abdul	8/20/2025 8:44:46 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096883.D	Endrin ketone #2	Abdul	8/20/2025 8:44:46 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096883.D	gamma-BHC (Lindane)	Abdul	8/20/2025 8:44:46 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096883.D	Mirex	Abdul	8/20/2025 8:44:46 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2879-13	PL096884.D	4,4"-DDD	Abdul	8/20/2025 8:44:50 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2879-13	PL096884.D	4,4"-DDD #2	Abdul	8/20/2025 8:44:50 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2879-13	PL096884.D	4,4"-DDE	Abdul	8/20/2025 8:44:50 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2879-13	PL096884.D	4,4"-DDT	Abdul	8/20/2025 8:44:50 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2879-13	PL096884.D	alpha-Chlordane	Abdul	8/20/2025 8:44:50 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2879-13	PL096884.D	Decachlorobiphenyl #2	Abdul	8/20/2025 8:44:50 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2879-13	PL096884.D	gamma-Chlordane	Abdul	8/20/2025 8:44:50 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2879-13	PL096884.D	gamma-Chlordane #2	Abdul	8/20/2025 8:44:50 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software

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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2879-15	PL096885.D	4,4"-DDD	Abdul	8/20/2025 8:44:53 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2879-15	PL096885.D	4,4"-DDT	Abdul	8/20/2025 8:44:53 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2879-15	PL096885.D	alpha-Chlordane	Abdul	8/20/2025 8:44:53 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2879-15	PL096885.D	Decachlorobiphenyl	Abdul	8/20/2025 8:44:53 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2879-15	PL096885.D	Decachlorobiphenyl #2	Abdul	8/20/2025 8:44:53 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2879-15	PL096885.D	gamma-Chlordane	Abdul	8/20/2025 8:44:53 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2879-15	PL096885.D	gamma-Chlordane #2	Abdul	8/20/2025 8:44:53 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2879-17	PL096886.D	4,4"-DDD	Abdul	8/20/2025 8:44:57 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2879-17	PL096886.D	4,4"-DDD #2	Abdul	8/20/2025 8:44:57 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2879-17	PL096886.D	4,4"-DDT	Abdul	8/20/2025 8:44:57 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2879-17	PL096886.D	Decachlorobiphenyl	Abdul	8/20/2025 8:44:57 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2879-17	PL096886.D	gamma-Chlordane #2	Abdul	8/20/2025 8:44:57 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2888-01MS	PL096890.D	alpha-Chlordane	Abdul	8/20/2025 8:45:12 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software

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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2888-01MS	PL096890.D	Decachlorobiphenyl	Abdul	8/20/2025 8:45:12 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2888-01MS	PL096890.D	Decachlorobiphenyl #2	Abdul	8/20/2025 8:45:12 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2888-01MS	PL096890.D	Endrin	Abdul	8/20/2025 8:45:12 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2888-01MS	PL096890.D	Endrin ketone	Abdul	8/20/2025 8:45:12 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2888-01MS	PL096890.D	gamma-BHC (Lindane)	Abdul	8/20/2025 8:45:12 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2888-01MS	PL096890.D	gamma-Chlordane	Abdul	8/20/2025 8:45:12 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2888-01MS	PL096890.D	gamma-Chlordane #2	Abdul	8/20/2025 8:45:12 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2888-01MS	PL096890.D	Heptachlor epoxide	Abdul	8/20/2025 8:45:12 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2888-01MS	PL096890.D	Methoxychlor	Abdul	8/20/2025 8:45:12 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2888-01MS	PL096890.D	Mirex	Abdul	8/20/2025 8:45:12 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2888-01MS	PL096890.D	Tetrachloro-m-xylene	Abdul	8/20/2025 8:45:12 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2888-01MSD	PL096891.D	alpha-Chlordane	Abdul	8/20/2025 8:45:17 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2888-01MSD	PL096891.D	Decachlorobiphenyl	Abdul	8/20/2025 8:45:17 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software

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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2888-01MSD	PL096891.D	Decachlorobiphenyl #2	Abdul	8/20/2025 8:45:17 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2888-01MSD	PL096891.D	Endosulfan II	Abdul	8/20/2025 8:45:17 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2888-01MSD	PL096891.D	Endrin	Abdul	8/20/2025 8:45:17 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2888-01MSD	PL096891.D	Endrin ketone	Abdul	8/20/2025 8:45:17 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2888-01MSD	PL096891.D	gamma-BHC (Lindane)	Abdul	8/20/2025 8:45:17 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2888-01MSD	PL096891.D	gamma-Chlordane	Abdul	8/20/2025 8:45:17 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2888-01MSD	PL096891.D	gamma-Chlordane #2	Abdul	8/20/2025 8:45:17 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2888-01MSD	PL096891.D	Heptachlor epoxide	Abdul	8/20/2025 8:45:17 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2888-01MSD	PL096891.D	Methoxychlor	Abdul	8/20/2025 8:45:17 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2888-01MSD	PL096891.D	Methoxychlor #2	Abdul	8/20/2025 8:45:17 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
Q2888-01MSD	PL096891.D	Tetrachloro-m-xylene	Abdul	8/20/2025 8:45:17 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PB169283BS	PL096893.D	Aldrin	Abdul	8/20/2025 8:45:24 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PB169283BS	PL096893.D	alpha-BHC	Abdul	8/20/2025 8:45:24 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software

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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB169283BS	PL096893.D	beta-BHC	Abdul	8/20/2025 8:45:24 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PB169283BS	PL096893.D	Dieldrin	Abdul	8/20/2025 8:45:24 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PB169283BS	PL096893.D	Endrin	Abdul	8/20/2025 8:45:24 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PB169283BS	PL096893.D	gamma-BHC (Lindane)	Abdul	8/20/2025 8:45:24 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PB169283BS	PL096893.D	Mirex	Abdul	8/20/2025 8:45:24 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
I.BLK	PL096894.D	Decachlorobiphenyl	Abdul	8/20/2025 8:45:27 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096895.D	beta-BHC	Abdul	8/20/2025 8:45:30 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096895.D	Decachlorobiphenyl	Abdul	8/20/2025 8:45:30 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096895.D	Decachlorobiphenyl #2	Abdul	8/20/2025 8:45:30 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096895.D	Dieldrin	Abdul	8/20/2025 8:45:30 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096895.D	Dieldrin #2	Abdul	8/20/2025 8:45:30 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096895.D	Endosulfan II	Abdul	8/20/2025 8:45:30 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096895.D	Endrin	Abdul	8/20/2025 8:45:30 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software

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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL096895.D	Methoxychlor	Abdul	8/20/2025 8:45:30 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096895.D	Methoxychlor #2	Abdul	8/20/2025 8:45:30 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096895.D	Mirex	Abdul	8/20/2025 8:45:30 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
I.BLK	PL096903.D	Decachlorobiphenyl	Abdul	8/20/2025 8:45:54 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PEM	PL096904.D	4,4"-DDD	Abdul	8/20/2025 8:45:58 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PEM	PL096904.D	beta-BHC	Abdul	8/20/2025 8:45:58 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PEM	PL096904.D	Endrin	Abdul	8/20/2025 8:45:58 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PEM	PL096904.D	Endrin aldehyde	Abdul	8/20/2025 8:45:58 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PEM	PL096904.D	Endrin ketone	Abdul	8/20/2025 8:45:58 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PEM	PL096904.D	gamma-BHC (Lindane)	Abdul	8/20/2025 8:45:58 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PEM	PL096904.D	Methoxychlor #2	Abdul	8/20/2025 8:45:58 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096905.D	alpha-BHC	Abdul	8/20/2025 11:41:08 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096905.D	beta-BHC	Abdul	8/20/2025 11:41:08 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software

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Sequence:	pl081925	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL096905.D	Decachlorobiphenyl	Abdul	8/20/2025 11:41:08 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096905.D	Dieldrin	Abdul	8/20/2025 11:41:08 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096905.D	Dieldrin #2	Abdul	8/20/2025 11:41:08 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096905.D	Endosulfan II	Abdul	8/20/2025 11:41:08 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096905.D	Endosulfan Sulfate	Abdul	8/20/2025 11:41:08 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096905.D	Endrin	Abdul	8/20/2025 11:41:08 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096905.D	gamma-BHC (Lindane)	Abdul	8/20/2025 11:41:08 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096905.D	Heptachlor epoxide	Abdul	8/20/2025 11:41:08 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096905.D	Methoxychlor #2	Abdul	8/20/2025 11:41:08 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096905.D	Mirex	Abdul	8/20/2025 11:41:08 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
I.BLK	PL096915.D	Decachlorobiphenyl	Abdul	8/20/2025 8:46:42 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096916.D	beta-BHC	Abdul	8/20/2025 11:41:16 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096916.D	Decachlorobiphenyl	Abdul	8/20/2025 11:41:16 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software

Manual Integration Report

Sequence:	pl081925	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL096916.D	Decachlorobiphenyl #2	Abdul	8/20/2025 11:41:16 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096916.D	Dieldrin	Abdul	8/20/2025 11:41:16 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096916.D	Dieldrin #2	Abdul	8/20/2025 11:41:16 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096916.D	Endosulfan II	Abdul	8/20/2025 11:41:16 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096916.D	Endosulfan Sulfate	Abdul	8/20/2025 11:41:16 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096916.D	Endrin	Abdul	8/20/2025 11:41:16 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096916.D	Heptachlor epoxide	Abdul	8/20/2025 11:41:16 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096916.D	Methoxychlor #2	Abdul	8/20/2025 11:41:16 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software
PSTDCCC050	PL096916.D	Mirex	Abdul	8/20/2025 11:41:16 AM	mohammad	8/21/2025 1:31:54	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL072825

Review By	Abdul	Review On	7/29/2025 9:50:24 AM
Supervise By	mohammad	Supervise On	7/30/2025 2:11:50 AM
SubDirectory	PL072825	HP Acquire Method	HP Processing Method pl072825 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	PL096592.D	28 Jul 2025 15:57	AR\AJ	Ok
2	I.BLK	PL096593.D	28 Jul 2025 16:11	AR\AJ	Ok
3	PEM	PL096594.D	28 Jul 2025 16:25	AR\AJ	Ok,M
4	RESCHK	PL096595.D	28 Jul 2025 16:38	AR\AJ	Ok,M
5	PSTDICC100	PL096596.D	28 Jul 2025 16:52	AR\AJ	Ok
6	PSTDICC075	PL096597.D	28 Jul 2025 17:06	AR\AJ	Ok
7	PSTDICC050	PL096598.D	28 Jul 2025 17:19	AR\AJ	Ok
8	PSTDICC025	PL096599.D	28 Jul 2025 17:33	AR\AJ	Ok,M
9	PSTDICC005	PL096600.D	28 Jul 2025 17:47	AR\AJ	Ok,M
10	PCHLORICC1000	PL096601.D	28 Jul 2025 18:00	AR\AJ	Ok
11	PCHLORICC750	PL096602.D	28 Jul 2025 18:14	AR\AJ	Ok
12	PCHLORICC500	PL096603.D	28 Jul 2025 18:27	AR\AJ	Ok
13	PCHLORICC250	PL096604.D	28 Jul 2025 18:41	AR\AJ	Ok
14	PCHLORICC050	PL096605.D	28 Jul 2025 18:55	AR\AJ	Ok
15	PTOXICC1000	PL096606.D	28 Jul 2025 19:08	AR\AJ	Ok
16	PTOXICC750	PL096607.D	28 Jul 2025 19:22	AR\AJ	Ok
17	PTOXICC500	PL096608.D	28 Jul 2025 19:36	AR\AJ	Ok
18	PTOXICC250	PL096609.D	28 Jul 2025 19:49	AR\AJ	Ok
19	PTOXICC100	PL096610.D	28 Jul 2025 20:03	AR\AJ	Ok
20	PSTDICV050	PL096611.D	28 Jul 2025 20:17	AR\AJ	Ok,M
21	PCHLORICV500	PL096612.D	28 Jul 2025 20:30	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL072825

Review By	Abdul	Review On	7/29/2025 9:50:24 AM
Supervise By	mohammad	Supervise On	7/30/2025 2:11:50 AM
SubDirectory	PL072825	HP Acquire Method	HP Processing Method pl072825 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	PL096613.D	28 Jul 2025 20:44	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL081825

Review By	Abdul	Review On	8/19/2025 8:40:55 AM
Supervise By	mohammad	Supervise On	8/20/2025 3:05:16 AM
SubDirectory	PL081825	HP Acquire Method	HP Processing Method pl072825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL096842.D	18 Aug 2025 09:58	AR\AJ	Ok
2	I.BLK	PL096843.D	18 Aug 2025 10:12	AR\AJ	Ok,M
3	PEM	PL096844.D	18 Aug 2025 10:26	AR\AJ	Ok,M
4	PSTDCCC050	PL096845.D	18 Aug 2025 11:25	AR\AJ	Ok,M
5	PB169283BL	PL096846.D	18 Aug 2025 11:56	AR\AJ	Ok
6	PB169283BS	PL096847.D	18 Aug 2025 12:10	AR\AJ	Not Ok
7	Q2883-01	PL096848.D	18 Aug 2025 12:24	AR\AJ	Ok,M
8	I.BLK	PL096849.D	18 Aug 2025 12:39	AR\AJ	Ok
9	PSTDCCC050	PL096850.D	18 Aug 2025 12:53	AR\AJ	Ok,M
10	PCHLORCCC500	PL096851.D	18 Aug 2025 14:10	AR\AJ	Ok,M
11	PTOXCCC500	PL096852.D	18 Aug 2025 14:48	AR\AJ	Not Ok
12	Q2864-03	PL096853.D	18 Aug 2025 15:58	AR\AJ	Ok
13	PB169264BL	PL096854.D	18 Aug 2025 16:12	AR\AJ	Ok,M
14	Q2815-01	PL096855.D	18 Aug 2025 16:30	AR\AJ	Dilution
15	Q2815-01DL	PL096856.D	18 Aug 2025 16:44	AR\AJ	Ok,M
16	I.BLK	PL096857.D	18 Aug 2025 16:57	AR\AJ	Ok,M
17	PSTDCCC050	PL096858.D	18 Aug 2025 17:11	AR\AJ	Ok,M
18	PCHLORCCC500	PL096859.D	18 Aug 2025 17:25	AR\AJ	Ok,M
19	Q2879-01	PL096860.D	18 Aug 2025 17:38	AR\AJ	Ok,M
20	Q2879-03	PL096861.D	18 Aug 2025 17:52	AR\AJ	Ok,M
21	Q2879-05	PL096862.D	18 Aug 2025 18:06	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL081825

Review By	Abdul	Review On	8/19/2025 8:40:55 AM
Supervise By	mohammad	Supervise On	8/20/2025 3:05:16 AM
SubDirectory	PL081825	HP Acquire Method	HP Processing Method pl072825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2879-07	PL096863.D	18 Aug 2025 18:19	AR\AJ	Ok,M
23	Q2879-09	PL096864.D	18 Aug 2025 18:33	AR\AJ	Ok,M
24	Q2879-11	PL096865.D	18 Aug 2025 18:46	AR\AJ	Ok,M
25	I.BLK	PL096866.D	18 Aug 2025 19:00	AR\AJ	Ok,M
26	PEM	PL096867.D	18 Aug 2025 19:14	AR\AJ	Ok,M
27	PSTDCCC050	PL096868.D	18 Aug 2025 19:41	AR\AJ	Ok,M
28	Q2879-13	PL096869.D	18 Aug 2025 20:22	AR\AJ	Not Ok
29	Q2879-15	PL096870.D	18 Aug 2025 20:35	AR\AJ	Not Ok
30	Q2879-17	PL096871.D	18 Aug 2025 20:49	AR\AJ	Not Ok
31	Q2884-01	PL096872.D	18 Aug 2025 21:02	AR\AJ	Not Ok
32	Q2884-03	PL096873.D	18 Aug 2025 21:16	AR\AJ	Not Ok
33	Q2888-01	PL096874.D	18 Aug 2025 21:30	AR\AJ	Not Ok
34	Q2888-01MS	PL096875.D	18 Aug 2025 21:43	AR\AJ	Not Ok
35	Q2888-01MSD	PL096876.D	18 Aug 2025 21:57	AR\AJ	Not Ok
36	Q2889-01	PL096877.D	18 Aug 2025 22:10	AR\AJ	Not Ok
37	I.BLK	PL096878.D	18 Aug 2025 22:38	AR\AJ	Ok,M
38	PSTDCCC050	PL096879.D	18 Aug 2025 22:51	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL081925

Review By	Abdul	Review On	8/20/2025 8:47:44 AM
Supervise By	mohammad	Supervise On	8/21/2025 1:31:54 AM
SubDirectory	PL081925	HP Acquire Method	HP Processing Method pl072825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL096880.D	19 Aug 2025 08:35	AR\AJ	Ok
2	I.BLK	PL096881.D	19 Aug 2025 08:48	AR\AJ	Ok,M
3	PEM	PL096882.D	19 Aug 2025 10:28	AR\AJ	Ok,M
4	PSTDCCC050	PL096883.D	19 Aug 2025 11:07	AR\AJ	Ok,M
5	Q2879-13	PL096884.D	19 Aug 2025 12:51	AR\AJ	Ok,M
6	Q2879-15	PL096885.D	19 Aug 2025 13:04	AR\AJ	Ok,M
7	Q2879-17	PL096886.D	19 Aug 2025 13:18	AR\AJ	Ok,M
8	Q2884-01	PL096887.D	19 Aug 2025 13:31	AR\AJ	Ok,M
9	Q2884-03	PL096888.D	19 Aug 2025 13:45	AR\AJ	Ok,M
10	Q2888-01	PL096889.D	19 Aug 2025 13:59	AR\AJ	Ok,M
11	Q2888-01MS	PL096890.D	19 Aug 2025 14:12	AR\AJ	Ok,M
12	Q2888-01MSD	PL096891.D	19 Aug 2025 14:26	AR\AJ	Ok,M
13	Q2889-01	PL096892.D	19 Aug 2025 14:39	AR\AJ	Ok,M
14	PB169283BS	PL096893.D	19 Aug 2025 14:53	AR\AJ	Ok,M
15	I.BLK	PL096894.D	19 Aug 2025 15:07	AR\AJ	Ok,M
16	PSTDCCC050	PL096895.D	19 Aug 2025 15:20	AR\AJ	Ok,M
17	PB169314BL	PL096896.D	19 Aug 2025 16:47	AR\AJ	Ok,M
18	PB169314BS	PL096897.D	19 Aug 2025 17:01	AR\AJ	Not Ok
19	PB169314BSD	PL096898.D	19 Aug 2025 17:14	AR\AJ	Ok,M
20	Q2683-03	PL096899.D	19 Aug 2025 17:28	AR\AJ	Ok,M
21	Q2683-07	PL096900.D	19 Aug 2025 17:42	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL081925

Review By	Abdul	Review On	8/20/2025 8:47:44 AM
Supervise By	mohammad	Supervise On	8/21/2025 1:31:54 AM
SubDirectory	PL081925	HP Acquire Method	HP Processing Method pl072825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PB169298BL	PL096901.D	19 Aug 2025 17:55	AR\AJ	Ok,M
23	PB169298BS	PL096902.D	19 Aug 2025 18:09	AR\AJ	Ok,M
24	I.BLK	PL096903.D	19 Aug 2025 18:23	AR\AJ	Ok,M
25	PEM	PL096904.D	19 Aug 2025 18:36	AR\AJ	Ok,M
26	PSTDCCC050	PL096905.D	19 Aug 2025 18:50	AR\AJ	Ok,M
27	Q2892-02	PL096906.D	19 Aug 2025 19:03	AR\AJ	Ok,M
28	Q2892-04	PL096907.D	19 Aug 2025 19:17	AR\AJ	Ok,M
29	Q2892-06	PL096908.D	19 Aug 2025 19:31	AR\AJ	Ok,M
30	Q2892-08	PL096909.D	19 Aug 2025 19:44	AR\AJ	Ok,M
31	Q2892-08MS	PL096910.D	19 Aug 2025 19:58	AR\AJ	Ok,M
32	Q2892-08MSD	PL096911.D	19 Aug 2025 20:11	AR\AJ	Ok,M
33	Q2892-10	PL096912.D	19 Aug 2025 20:25	AR\AJ	Ok,M
34	Q2892-12	PL096913.D	19 Aug 2025 20:39	AR\AJ	Ok,M
35	Q2897-01	PL096914.D	19 Aug 2025 20:52	AR\AJ	Ok,M
36	I.BLK	PL096915.D	19 Aug 2025 21:06	AR\AJ	Ok,M
37	PSTDCCC050	PL096916.D	19 Aug 2025 22:27	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL072825

Review By	Abdul	Review On	7/29/2025 9:50:24 AM
Supervise By	mohammad	Supervise On	7/30/2025 2:11:50 AM
SubDirectory	PL072825	HP Acquire Method	HP Processing Method p1072825 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,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL096592.D	28 Jul 2025 15:57		AR\AJ	Ok
2	I.BLK	I.BLK	PL096593.D	28 Jul 2025 16:11		AR\AJ	Ok
3	PEM	PEM	PL096594.D	28 Jul 2025 16:25		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL096595.D	28 Jul 2025 16:38		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL096596.D	28 Jul 2025 16:52		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL096597.D	28 Jul 2025 17:06		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL096598.D	28 Jul 2025 17:19	Comp#18 kept on L.R. for 2nd column	AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL096599.D	28 Jul 2025 17:33		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL096600.D	28 Jul 2025 17:47		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL096601.D	28 Jul 2025 18:00		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL096602.D	28 Jul 2025 18:14		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL096603.D	28 Jul 2025 18:27		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL096604.D	28 Jul 2025 18:41		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL096605.D	28 Jul 2025 18:55		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL096606.D	28 Jul 2025 19:08		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL096607.D	28 Jul 2025 19:22		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL096608.D	28 Jul 2025 19:36		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL072825

Review By	Abdul	Review On	7/29/2025 9:50:24 AM
Supervise By	mohammad	Supervise On	7/30/2025 2:11:50 AM
SubDirectory	PL072825	HP Acquire Method	HP Processing Method pl072825 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,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	PTOXICC250	PTOXICC250	PL096609.D	28 Jul 2025 19:49		AR\AJ	Ok
19	PTOXICC100	PTOXICC100	PL096610.D	28 Jul 2025 20:03		AR\AJ	Ok
20	PSTDICV050	ICVPL072825	PL096611.D	28 Jul 2025 20:17		AR\AJ	Ok,M
21	PCHLORICV500	ICVPL072825CHLOR	PL096612.D	28 Jul 2025 20:30		AR\AJ	Ok
22	PTOXICV500	ICVPL072825TOX	PL096613.D	28 Jul 2025 20:44		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL081825

Review By	Abdul	Review On	8/19/2025 8:40:55 AM
Supervise By	mohammad	Supervise On	8/20/2025 3:05:16 AM
SubDirectory	PL081825	HP Acquire Method	HP Processing Method p1072825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL096842.D	18 Aug 2025 09:58		AR\AJ	Ok
2	I.BLK	I.BLK	PL096843.D	18 Aug 2025 10:12		AR\AJ	Ok,M
3	PEM	PEM	PL096844.D	18 Aug 2025 10:26		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL096845.D	18 Aug 2025 11:25		AR\AJ	Ok,M
5	PB169283BL	PB169283BL	PL096846.D	18 Aug 2025 11:56		AR\AJ	Ok
6	PB169283BS	PB169283BS	PL096847.D	18 Aug 2025 12:10	Recovery Fail delta-BHC-I	AR\AJ	Not Ok
7	Q2883-01	RBR2520553	PL096848.D	18 Aug 2025 12:24		AR\AJ	Ok,M
8	I.BLK	I.BLK	PL096849.D	18 Aug 2025 12:39		AR\AJ	Ok
9	PSTDCCC050	PSTDCCC050	PL096850.D	18 Aug 2025 12:53		AR\AJ	Ok,M
10	PCHLORCCC500	PCHLORCCC500	PL096851.D	18 Aug 2025 14:10		AR\AJ	Ok,M
11	PTOXCCC500	PTOXCCC500	PL096852.D	18 Aug 2025 14:48	CCC FAIL	AR\AJ	Not Ok
12	Q2864-03	LAW-25-113-121	PL096853.D	18 Aug 2025 15:58		AR\AJ	Ok
13	PB169264BL	PB169264BL	PL096854.D	18 Aug 2025 16:12		AR\AJ	Ok,M
14	Q2815-01	TW-705R-S	PL096855.D	18 Aug 2025 16:30	need dilution	AR\AJ	Dilution
15	Q2815-01DL	TW-705R-SDL	PL096856.D	18 Aug 2025 16:44		AR\AJ	Ok,M
16	I.BLK	I.BLK	PL096857.D	18 Aug 2025 16:57		AR\AJ	Ok,M
17	PSTDCCC050	PSTDCCC050	PL096858.D	18 Aug 2025 17:11		AR\AJ	Ok,M
18	PCHLORCCC500	PCHLORCCC500	PL096859.D	18 Aug 2025 17:25		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL081825

Review By	Abdul	Review On	8/19/2025 8:40:55 AM
Supervise By	mohammad	Supervise On	8/20/2025 3:05:16 AM
SubDirectory	PL081825	HP Acquire Method	HP Processing Method pl072825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q2879-01	OU4-TS-GRILLO-TSCF	PL096860.D	18 Aug 2025 17:38		AR\AJ	Ok,M
20	Q2879-03	OU4-TS-GRILLO-TSCF	PL096861.D	18 Aug 2025 17:52		AR\AJ	Ok,M
21	Q2879-05	OU4-TS-GRILLO-TSCF	PL096862.D	18 Aug 2025 18:06		AR\AJ	Ok,M
22	Q2879-07	OU4-TS-GRILLO-TSCF	PL096863.D	18 Aug 2025 18:19	DCB low in 2nd column	AR\AJ	Ok,M
23	Q2879-09	OU4-TS-GRILLO-TSCF	PL096864.D	18 Aug 2025 18:33	DCB low in 2nd column	AR\AJ	Ok,M
24	Q2879-11	OU4-TS-GRILLO-TSCF	PL096865.D	18 Aug 2025 18:46		AR\AJ	Ok,M
25	I.BLK	I.BLK	PL096866.D	18 Aug 2025 19:00		AR\AJ	Ok,M
26	PEM	PEM	PL096867.D	18 Aug 2025 19:14		AR\AJ	Ok,M
27	PSTDCCC050	PSTDCCC050	PL096868.D	18 Aug 2025 19:41		AR\AJ	Ok,M
28	Q2879-13	OU4-TS-GRILLO-TSCF	PL096869.D	18 Aug 2025 20:22	Hit for Comp#17,END CCC FAIL FOR COM#17	AR\AJ	Not Ok
29	Q2879-15	OU4-TS-GRILLO-TSCF	PL096870.D	18 Aug 2025 20:35	Hit for Comp#17,END CCC FAIL FOR COM#17	AR\AJ	Not Ok
30	Q2879-17	OU4-TS-GRILLO-TSCF	PL096871.D	18 Aug 2025 20:49	Hit for Comp#17,END CCC FAIL FOR COM#17,DCB Low in both column	AR\AJ	Not Ok
31	Q2884-01	VNJ-232	PL096872.D	18 Aug 2025 21:02	Hit for Comp#17,END CCC FAIL FOR COM#17	AR\AJ	Not Ok
32	Q2884-03	302	PL096873.D	18 Aug 2025 21:16	END CCC FAIL FOR COM#17	AR\AJ	Not Ok
33	Q2888-01	VNJ-210	PL096874.D	18 Aug 2025 21:30	Hit for Comp#17,END CCC FAIL FOR COM#17	AR\AJ	Not Ok
34	Q2888-01MS	VNJ-210MS	PL096875.D	18 Aug 2025 21:43	Hit for Comp#17,END CCC FAIL FOR COM#17	AR\AJ	Not Ok
35	Q2888-01MSD	VNJ-210MSD	PL096876.D	18 Aug 2025 21:57	Hit for Comp#17,END CCC FAIL FOR COM#17	AR\AJ	Not Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL081825

Review By	Abdul	Review On	8/19/2025 8:40:55 AM
Supervise By	mohammad	Supervise On	8/20/2025 3:05:16 AM
SubDirectory	PL081825	HP Acquire Method	HP Processing Method pl072825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P P24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

36	Q2889-01	PL-02-081525	PL096877.D	18 Aug 2025 22:10	END CCC FAIL FOR COM#17	AR\AJ	Not Ok
37	I.BLK	I.BLK	PL096878.D	18 Aug 2025 22:38		AR\AJ	Ok,M
38	PSTDCCC050	PSTDCCC050	PL096879.D	18 Aug 2025 22:51	Comp#17,20 low in 2nd column	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL081925

Review By	Abdul	Review On	8/20/2025 8:47:44 AM
Supervise By	mohammad	Supervise On	8/21/2025 1:31:54 AM
SubDirectory	PL081925	HP Acquire Method	HP Processing Method p072825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P P24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL096880.D	19 Aug 2025 08:35		AR\AJ	Ok
2	I.BLK	I.BLK	PL096881.D	19 Aug 2025 08:48		AR\AJ	Ok,M
3	PEM	PEM	PL096882.D	19 Aug 2025 10:28		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL096883.D	19 Aug 2025 11:07		AR\AJ	Ok,M
5	Q2879-13	OU4-TS-GRILLO-TSCF	PL096884.D	19 Aug 2025 12:51		AR\AJ	Ok,M
6	Q2879-15	OU4-TS-GRILLO-TSCF	PL096885.D	19 Aug 2025 13:04		AR\AJ	Ok,M
7	Q2879-17	OU4-TS-GRILLO-TSCF	PL096886.D	19 Aug 2025 13:18	DCB Low in 2nd column	AR\AJ	Ok,M
8	Q2884-01	VNJ-232	PL096887.D	19 Aug 2025 13:31	DCB high in 1st column.	AR\AJ	Ok,M
9	Q2884-03	302	PL096888.D	19 Aug 2025 13:45		AR\AJ	Ok,M
10	Q2888-01	VNJ-210	PL096889.D	19 Aug 2025 13:59		AR\AJ	Ok,M
11	Q2888-01MS	VNJ-210MS	PL096890.D	19 Aug 2025 14:12		AR\AJ	Ok,M
12	Q2888-01MSD	VNJ-210MSD	PL096891.D	19 Aug 2025 14:26		AR\AJ	Ok,M
13	Q2889-01	PL-02-081525	PL096892.D	19 Aug 2025 14:39		AR\AJ	Ok,M
14	PB169283BS	PB169283BS	PL096893.D	19 Aug 2025 14:53		AR\AJ	Ok,M
15	I.BLK	I.BLK	PL096894.D	19 Aug 2025 15:07		AR\AJ	Ok,M
16	PSTDCCC050	PSTDCCC050	PL096895.D	19 Aug 2025 15:20		AR\AJ	Ok,M
17	PB169314BL	PB169314BL	PL096896.D	19 Aug 2025 16:47		AR\AJ	Ok,M
18	PB169314BS	PB169314BS	PL096897.D	19 Aug 2025 17:01	F Flag in 2nd column	AR\AJ	Not Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL081925

Review By	Abdul	Review On	8/20/2025 8:47:44 AM
Supervise By	mohammad	Supervise On	8/21/2025 1:31:54 AM
SubDirectory	PL081925	HP Acquire Method	HP Processing Method pl072825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PB169314BSD	PB169314BSD	PL096898.D	19 Aug 2025 17:14		AR\AJ	Ok,M
20	Q2683-03	DSN001	PL096899.D	19 Aug 2025 17:28		AR\AJ	Ok,M
21	Q2683-07	DSN003	PL096900.D	19 Aug 2025 17:42		AR\AJ	Ok,M
22	PB169298BL	PB169298BL	PL096901.D	19 Aug 2025 17:55		AR\AJ	Ok,M
23	PB169298BS	PB169298BS	PL096902.D	19 Aug 2025 18:09		AR\AJ	Ok,M
24	I.BLK	I.BLK	PL096903.D	19 Aug 2025 18:23		AR\AJ	Ok,M
25	PEM	PEM	PL096904.D	19 Aug 2025 18:36		AR\AJ	Ok,M
26	PSTDCCC050	PSTDCCC050	PL096905.D	19 Aug 2025 18:50		AR\AJ	Ok,M
27	Q2892-02	1-FLOOR-NORTH-EAS	PL096906.D	19 Aug 2025 19:03		AR\AJ	Ok,M
28	Q2892-04	1-FLOOR-DRILL-B-BA	PL096907.D	19 Aug 2025 19:17		AR\AJ	Ok,M
29	Q2892-06	BACK-1-FLOOR-CENT	PL096908.D	19 Aug 2025 19:31		AR\AJ	Ok,M
30	Q2892-08	3-FLOOR-NORTH-D	PL096909.D	19 Aug 2025 19:44		AR\AJ	Ok,M
31	Q2892-08MS	3-FLOOR-NORTH-DM	PL096910.D	19 Aug 2025 19:58		AR\AJ	Ok,M
32	Q2892-08MSD	3-FLOOR-NORTH-DM	PL096911.D	19 Aug 2025 20:11		AR\AJ	Ok,M
33	Q2892-10	3-FLOOR-SOUTH-E	PL096912.D	19 Aug 2025 20:25		AR\AJ	Ok,M
34	Q2892-12	FRONT-1-FLOOR-F	PL096913.D	19 Aug 2025 20:39		AR\AJ	Ok,M
35	Q2897-01	HD-02-08182025	PL096914.D	19 Aug 2025 20:52		AR\AJ	Ok,M
36	I.BLK	I.BLK	PL096915.D	19 Aug 2025 21:06		AR\AJ	Ok,M
37	PSTDCCC050	PSTDCCC050	PL096916.D	19 Aug 2025 22:27		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL081925

Review By	Abdul	Review On	8/20/2025 8:47:44 AM
Supervise By	mohammad	Supervise On	8/21/2025 1:31:54 AM
SubDirectory	PL081925	HP Acquire Method	HP Processing Method pl072825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24651		
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,P P24763,PP24764		
CCC	PP24751,PP24756,PP24761		
Internal Standard/PEM			
ICV/I.BLK	PP24754,PP24759,PP24761		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/18/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 08/15/2025
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: 08/16/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136842

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
Q2879-01	OU4-TS-GRILLO-TSCP03-081425	1	1.18	10.28	11.46	10.34	89.1	
Q2879-03	OU4-TS-GRILLO-TSCP04-081425	2	1.18	10.24	11.42	10.1	87.1	
Q2879-05	OU4-TS-GRILLO-TSCP05-081425	3	1.16	10.04	11.2	10.51	93.1	
Q2879-07	OU4-TS-GRILLO-TSCP06-081425	4	1.17	10.46	11.63	10.67	90.8	
Q2879-09	OU4-TS-GRILLO-TSCP07-081425	5	1.18	10.09	11.27	10.61	93.5	
Q2879-11	OU4-TS-GRILLO-TSCP08-081425	6	1.16	10.83	11.99	11.05	91.3	
Q2879-13	OU4-TS-GRILLO-TSCP09-081425	7	1.18	10.47	11.65	10.9	92.8	
Q2879-15	OU4-TS-GRILLO-TSCP10-081425	8	1.19	10.58	11.77	10.85	91.3	
Q2879-17	OU4-TS-GRILLO-TSCP11-081425	9	1.12	10.76	11.88	9.4	77.0	
Q2880-05	SVOC-GPC-BLANK	10	1.00	1.00	2.00	2.00	100.0	
Q2880-06	PEST-GPC-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q2880-07	PEST-GPC-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
Q2880-08	SVOC-GPC2-BLANK	13	1.00	1.00	2.00	2.00	100.0	
Q2880-09	PEST-GPC2-BLANK	14	1.00	1.00	2.00	2.00	100.0	
Q2880-10	PEST -GPC2-BLANK-SPIKE	15	1.00	1.00	2.00	2.00	100.0	
Q2883-01	RBR2520553	16	1.15	10.43	11.58	10.48	89.5	
Q2883-02	RBR2520553-E2	17	1.14	10.75	11.89	10.77	89.6	
Q2884-01	VNJ-232	18	1.12	10.11	11.23	10.8	95.7	
Q2884-02	VNJ-232	19	1.19	10.39	11.58	11.15	95.9	
Q2884-03	302	20	1.19	10.34	11.53	10.6	91.0	
Q2888-01	VNJ-210	21	1.18	10.04	11.22	10.71	94.9	
Q2889-01	PL-02-081525-	22	1.14	10.22	11.36	10.67	93.2	
Q2889-02	EO-02-081525-E2	23	1.19	10.42	11.61	10.68	91.1	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

136842

WorkList Name : %1-081525 WorkList ID : 191293 Department : Wet-Chemistry Date : 08-15-2025 08:56:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2879-01	OU4-TS-GRILLO-TSCP03-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-03	OU4-TS-GRILLO-TSCP04-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-05	OU4-TS-GRILLO-TSCP05-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-07	OU4-TS-GRILLO-TSCP06-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-09	OU4-TS-GRILLO-TSCP07-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-11	OU4-TS-GRILLO-TSCP08-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-13	OU4-TS-GRILLO-TSCP09-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-15	OU4-TS-GRILLO-TSCP10-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2879-17	OU4-TS-GRILLO-TSCP11-0814	Solid	Percent Solids	Cool 4 deg C	NOBI03	J23	08/14/2025	Chemtech -SO
Q2880-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	08/08/2025	Chemtech -SO
Q2880-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	08/08/2025	Chemtech -SO
Q2880-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	08/08/2025	Chemtech -SO
Q2880-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	08/08/2025	Chemtech -SO
Q2880-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	08/08/2025	Chemtech -SO
Q2880-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	08/08/2025	Chemtech -SO
Q2883-01	RBR2520553	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/15/2025	Chemtech -SO
Q2883-02	RBR2520553-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/15/2025	Chemtech -SO
Q2884-01	VNJ-232	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/15/2025	Chemtech -SO
Q2884-02	VNJ-232	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/15/2025	Chemtech -SO
Q2884-03	302	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/15/2025	Chemtech -SO
Q2888-01	VNJ-210	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/15/2025	Chemtech -SO

Date/Time 08/15/25 15:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 08/15/25 17:13
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

17196842

WorkList Name : %1-081525 WorkList ID : 191293 Department : Wet-Chemistry Date : 08-15-2025 08:56:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2889-01	PL-02-081525-	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/15/2025	Chemtech -SO
Q2889-02	EO-02-081525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/15/2025	Chemtech -SO

Date/Time 08/15/25 15:00
 Raw Sample Received by: SO WCI
 Raw Sample Relinquished by: CP

Date/Time 08/15/25 17:35
 Raw Sample Received by: CP
 Raw Sample Relinquished by: SO

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Florisil

Matrix: Solid

Weight By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date: 08/18/2025

Extraction Start Time: 08:06

Extraction End Date: 08/18/2025

Extraction End Time: 11:20

Concentration By: EH

Supervisor By: RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24766
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	EP2632
Sand	N/A	E3951
Hexane	N/A	E3962
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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721, Q2884-03 used Limited volume as sample is Oily Debris & Small Particles.

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
8/18/25	RS (Ext Lab)	RS - Pest-PCB Lab
11:25	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 08/18/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169283BL	PBLK283	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			U1-1
PB169283BS	PLCS283	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			2
Q2879-01	OU4-TS-GRILLO-TSCP03-081425	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
Q2879-03	OU4-TS-GRILLO-TSCP04-081425	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	E		4
Q2879-05	OU4-TS-GRILLO-TSCP05-081425	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		5
Q2879-07	OU4-TS-GRILLO-TSCP06-081425	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		6
Q2879-09	OU4-TS-GRILLO-TSCP07-081425	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		U2-1
Q2879-11	OU4-TS-GRILLO-TSCP08-081425	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		2
Q2879-13	OU4-TS-GRILLO-TSCP09-081425	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		3
Q2879-15	OU4-TS-GRILLO-TSCP10-081425	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		4
Q2879-17	OU4-TS-GRILLO-TSCP11-081425	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	E		5
Q2883-01	RBR2520553	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		6
Q2884-01	VNJ-232	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		U3-1
Q2884-03	302	Pesticide-TCL	5.06	N/A	ritesh	Evelyn	10	C	Oily Debris+S.Partical	2
Q2888-01	VNJ-210	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		3
Q2888-01MS	VNJ-210MS	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		4
Q2888-01MS D	VNJ-210MSD	Pesticide-TCL	30.10	N/A	ritesh	Evelyn	10	E		5
Q2889-01	PL-02-081525-	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		6
	CHLORDANE		30.03				10			U4-1
	TOXAPHENE		30.04				10			2



* Extracts relinquished on the same date as received.

6928-8106

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2889P WorkList ID : 191316 Department : Extraction Date : 08-18-2025 07:59:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2879-01	OU4-TS-GRILLO-TSCP03-0814	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	J23	08/14/2025	8081B
Q2879-03	OU4-TS-GRILLO-TSCP04-0814	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	J23	08/14/2025	8081B
Q2879-05	OU4-TS-GRILLO-TSCP05-0814	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	J23	08/14/2025	8081B
Q2879-07	OU4-TS-GRILLO-TSCP06-0814	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	J23	08/14/2025	8081B
Q2879-09	OU4-TS-GRILLO-TSCP07-0814	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	J23	08/14/2025	8081B
Q2879-11	OU4-TS-GRILLO-TSCP08-0814	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	J23	08/14/2025	8081B
Q2879-13	OU4-TS-GRILLO-TSCP09-0814	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	J23	08/14/2025	8081B
Q2879-15	OU4-TS-GRILLO-TSCP10-0814	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	J23	08/14/2025	8081B
Q2879-17	OU4-TS-GRILLO-TSCP11-0814	Solid	Pesticide-TCL	Cool 4 deg C	NOBI03	J23	08/14/2025	8081B
Q2883-01	RBR2520553	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D21	08/15/2025	8081B
Q2884-01	VNJ-232	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/15/2025	8081B
Q2884-03	302	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/15/2025	8081B
Q2888-01	VNJ-210	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D21	08/15/2025	8081B
Q2889-01	PL-02-081525-	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D21	08/15/2025	8081B

Date/Time 08/18/25 8:00
Raw Sample Received by: R3 (EXT-04)
Raw Sample Relinquished by: JAS

Date/Time 08/18/25 8:30
Raw Sample Received by: JAS
Raw Sample Relinquished by: R3 (EXT-04)

Prep Standard - Chemical Standard Summary

Order ID : Q2879

Test : Pesticide-TCL

Prepbatch ID : PB169283,

Sequence ID/Qc Batch ID: PL081825,pl081925,

Standard ID :

EP2627,EP2632,PP24329,PP24433,PP24621,PP24622,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,PP24766,

Chemical ID :

E3875,E3914,E3927,E3937,E3941,E3944,E3949,E3950,E3951,E3955,E3956,E3962,P12604,P12610,P12611,P13038,P13041,P13196,P13246,P13356,P13774,P13786,P13788,P13861,P13862,P9053,W3177,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
230	1:1ACETONE/HEXANE	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2632	08/11/2025	01/28/2026	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 08/11/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza
								04/03/2025

FROM 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
518	Pest/PCB I.BLK 20 PPB	PP24433	03/31/2025	08/22/2025	Abdul Mirza	None	None	Yogesh Patel
								04/02/2025

FROM 99.90000ml of E3914 + 0.10000ml of PP24329 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1501	1000 ppb CHLORDANE SPIKE (RESTEK)	PP24622	06/04/2025	09/09/2025	Abdul Mirza	None	None	Yogesh Patel
								06/11/2025

FROM 0.10000ml of P12611 + 99.90000ml of E3937 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3629	20 PPM PEST stock Solution 1st source(RESTEK)	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1472	20 PPM Pest Stock Solution 2nd Source	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1273	20 PPM Mirex Stock (Primary Source)	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3663	20 PPM MIREX Stock STD (Secondary source)	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	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



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

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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
383	1000/100 PPB Toxaphene STD (Restek)	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3631	75 PPB ICAL PEST STD(RESTEK)	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3633	25 PPB ICAL PEST STD(RESTEK)	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3988	50 PPB PEST ICV STD(RESTEK)	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
529	CHLOR 500 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3408	CHLOR 50 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
533	TOX 750 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
535	TOX 250 PPB STD	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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3670	TOX 500 PPB ICV std (RESTEK)	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



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
79	500 PPB Pesticide Spike Solution	PP24766	07/28/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel 08/19/2025
<u>FROM</u> 95.00000ml of E3955 + 2.50000ml of PP24739 + 2.50000ml of PP24741 = Final Quantity: 100.000 ml								

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	07/16/2025 / RUPESH	07/16/2025 / RUPESH	E3955

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 #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	04/30/2026	08/05/2025 / RUPESH	07/30/2025 / RUPESH	E3962

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	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	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	01/21/2026	07/21/2025 / Abdul	01/17/2024 / Abdul	P13196

CHEMICAL RECEIPT LOG BOOK

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	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	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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0210240	01/21/2026	07/21/2025 / Abdul	12/09/2024 / Abdul	P13862

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	112018	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
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 67 67
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
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%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
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.

RE-02-01, Ed. 3

E 3875

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT - 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RS on 3/14/25



E3914

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
 If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

Cleanert Florisil

1g/6ml 30/pkg

LOT#: Z0830QB1

MFG#: G01256

CAT# FS0006



Made in China

Agela Technologies

固相萃取产品

E3927



Acetone

BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E3937

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

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 RI on 6/11/25

E3941

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.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9254-03

Batch No.: 24H1462005

Manufactured Date: 2024-05-24

Expiration Date: 2027-05-24

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3944

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Acetone

BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



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) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Reel on 7/2/25

E3949

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



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 Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5\%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95\%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05\%$	$< 0.01\%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

3950

Recd on 7/02/25

Jamie Croak
Director Quality Operations, Bioscience Production



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	SiO ₂
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 1/12/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above. This document has been electronically produced and is valid without a signature. Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	Analysis may have been rounded to significant digits in specification limits Product meets analytical specifications of the grades listed.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



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) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/16/25

E 3955

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

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantors™**



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/16/25

E3956



Jamie Croak
Director Quality Operations, Bioscience Production

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date: 2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Received on 7/30/25

E3962

Jamie Croak
Director Quality Operations, Bioscience Production

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0193299
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2029 **Storage:** 10°C or colder
Ship: Ambient

P12616
↓
P12615
Five
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	—%	1,010.0 µg/mL	+/- 56.0475

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

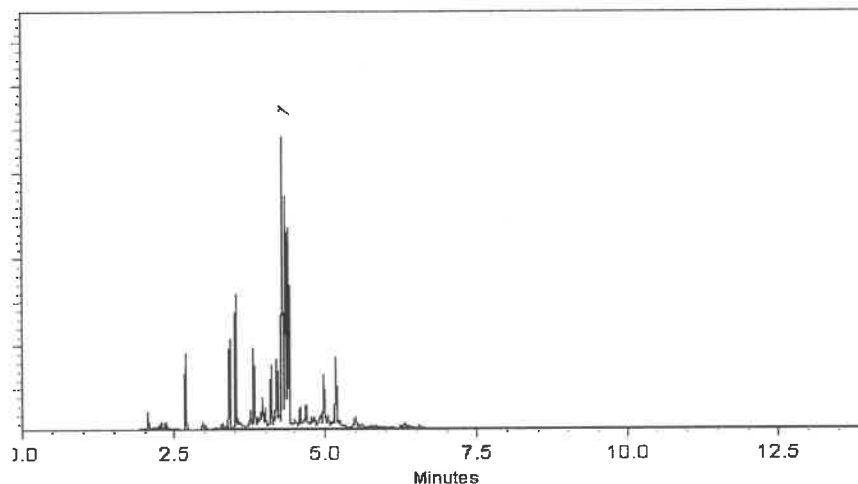
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Bryan Snyder
Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

CRm
P 12611
↓
P 12615
⑤
CRout
7/3/2023



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 **Lot No.:** A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13039
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 P13043
 5
 1
 JAW
 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.)

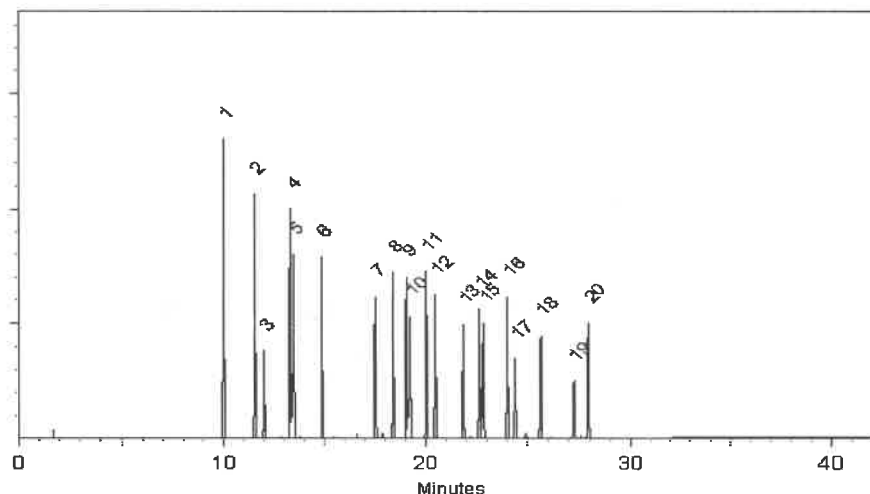
Inj. Temp:
 200°C

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
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023

Balance Serial # 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **79136**
Lot Number: **042022**
Description: **Mirex**

Solvent(s):
Acetone
Lot#: **81025**

<i>Prashant Chauhan</i>		042022
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		042022
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: **042027**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **6UTB**

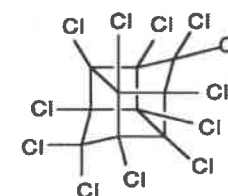
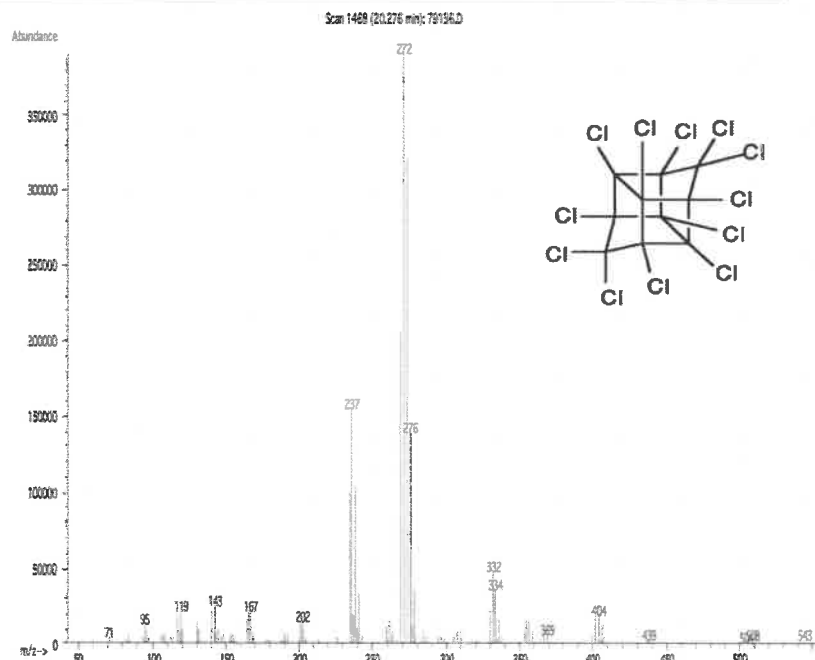
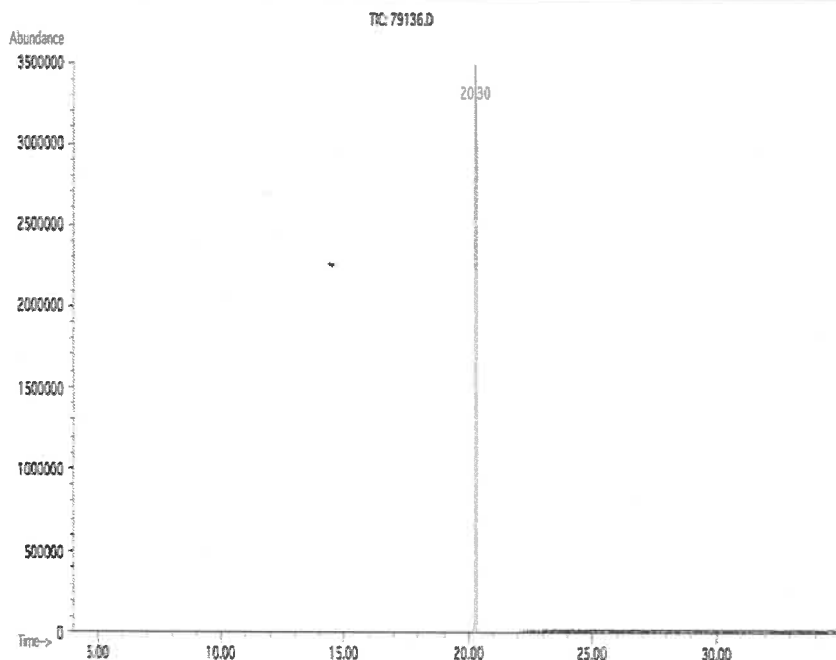
5E-05 Balance Uncertainty
0.006 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): **50.0**

SDS Information
(Solvent Safety Info. On Attached pg.)
Expanded Uncertainty (+/-) (µg/mL)
CAS# OSHA PEL (TWA) LD50

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)	CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3	2385-85-5	N/A	ori-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



P13195
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P13199
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(5)
↓
W. H. H. H.
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).

01/17/2024
JALIN

5



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CERTIFIED REFERENCE MATERIAL

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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. : 32021 Lot No.: A0197993
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : August 31, 2029 Storage: 10°C or colder
Ship: Ambient

P 12603
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P 12605
3
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7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

Solvent: Hexane
CAS # 110-54-3
Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

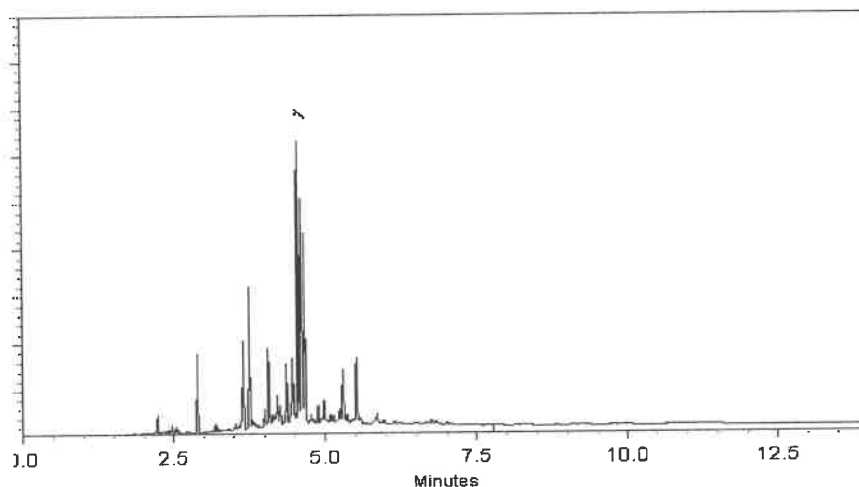
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

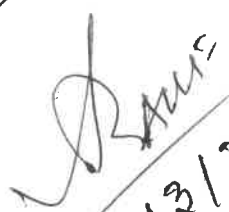
Date Mixed: 11-May-2023

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 12603 } (3)
↓
P 12605

7/3/2023



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis *chromatographic plus*



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 32021 Lot No.: 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

Handwritten: P 12606, P 12610, 5 Five, 7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----	1,005.0 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:

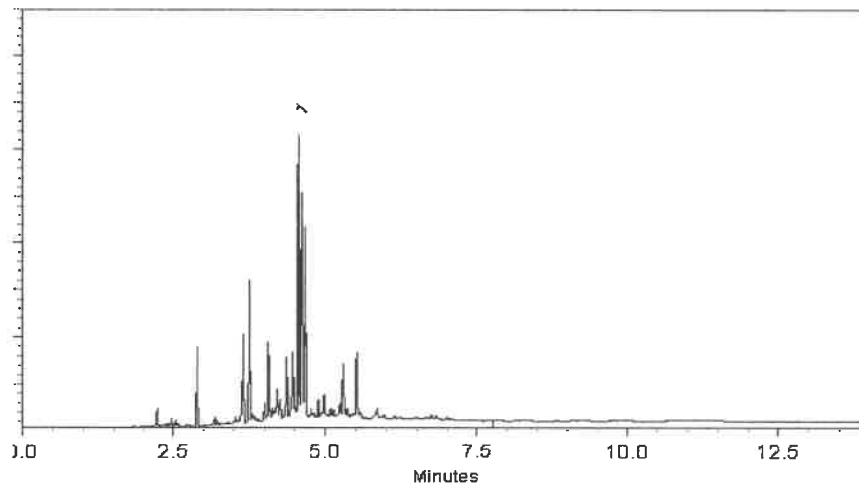
ECD

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



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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. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
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P 13038
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

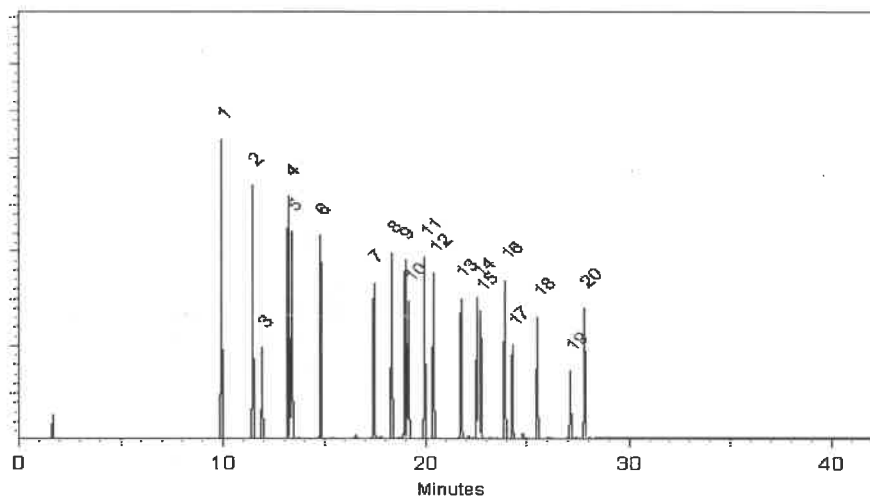
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **19161**
 Lot Number: **013124**
 Description: **CLP Pesticides & PCB's Resolution Check Standard**
 9 components
 Expiration Date: **013129**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **Varied**
 NIST Test ID#: **6UTB**

Solvent(s):
 Hexane 273615 (50%)
 Toluene 28508 (50%)

Volume(s) shown below were combined and diluted to (mL): **100.0**
 5E-05 Balance Uncertainty
 0.021 Flask Uncertainty

		013124
Formulated By:	Lawrence Barry	DATE
		013124
Reviewed By:	Pedro L. Rentas	DATE

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.)		
									CAS#	OSHA PEL (TWA)	LD50
1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	ori-rat 500mg/kg
2. Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	ori-rat 18mg/kg
3. 4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	ori-rat 880mg/kg
4. Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	ori-rat 38300ug/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	ori-rat 18mg/kg
6. Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7. 4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	ori-rat 6000mg/kg
8. 2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9. Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 • Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 • Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 • All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 • Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

P13243 } (5)
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 P13247 }
 ↓
 02/9/2024



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

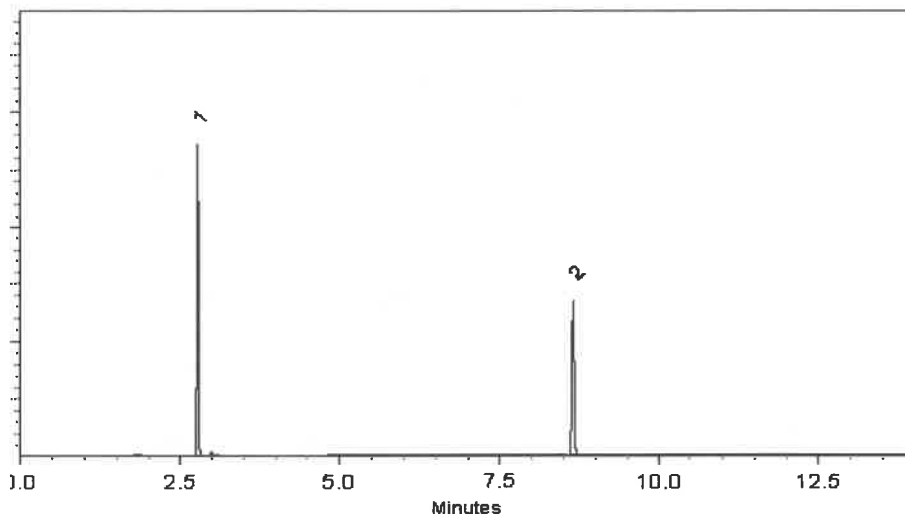
ECD

Split Vent:

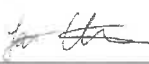
10 ml/min.

Inj. Vol

1µl

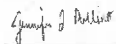


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

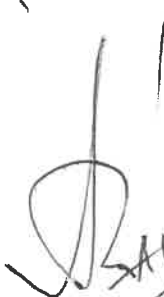
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 13348
↓
P 13357
10


SAUF
04/25/2025



110 Benner Circle
Belleville, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** 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
AI
11/19/24

05-06-2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

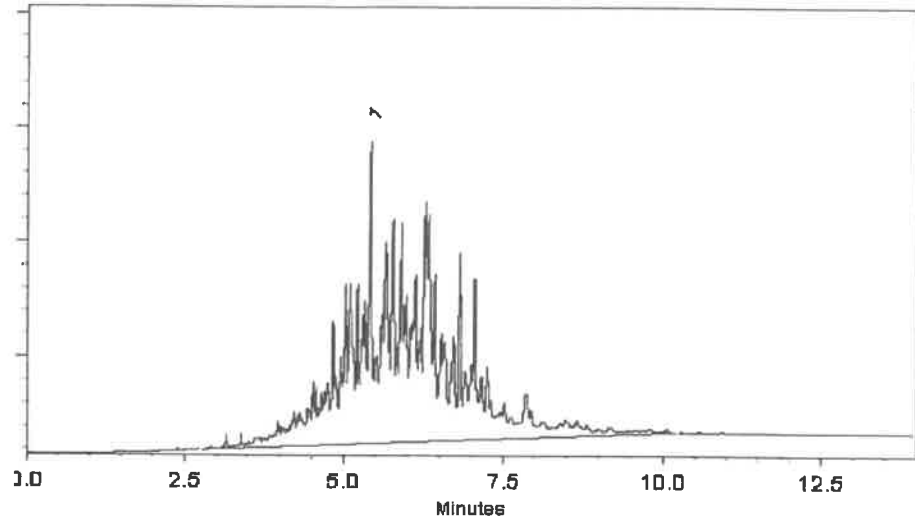
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

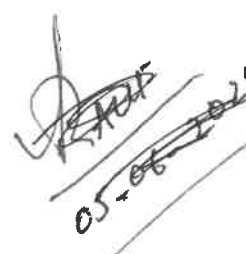
Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397


P13338
↓
P13389
P13773
↓
P13779
AJ
11/19/24
05-06-2024



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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:

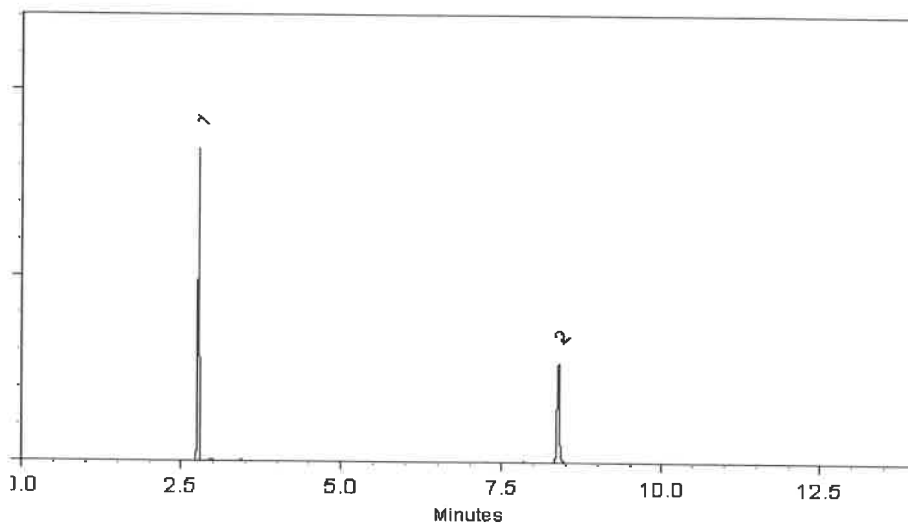
ECD

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.

A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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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:

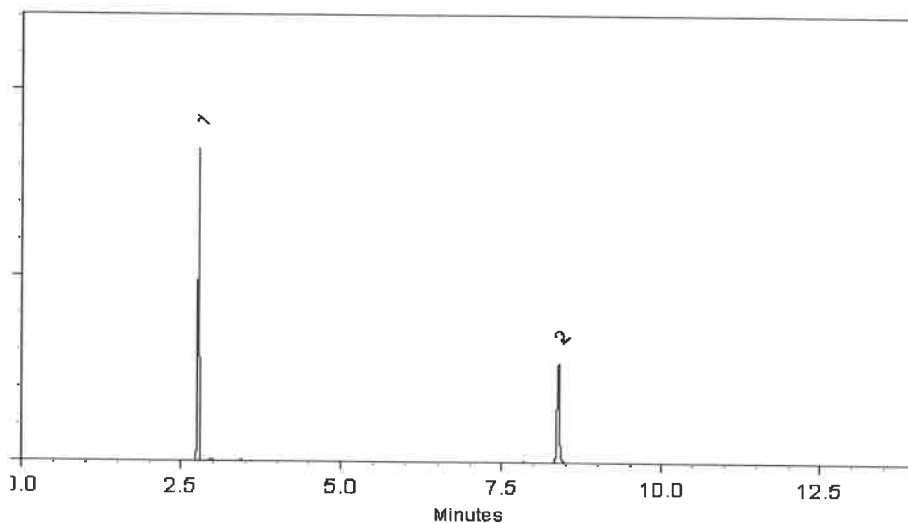
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



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A.O.E.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Catalog No. : 32005 **Lot No.:** A0210240
Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13861
P13862

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:

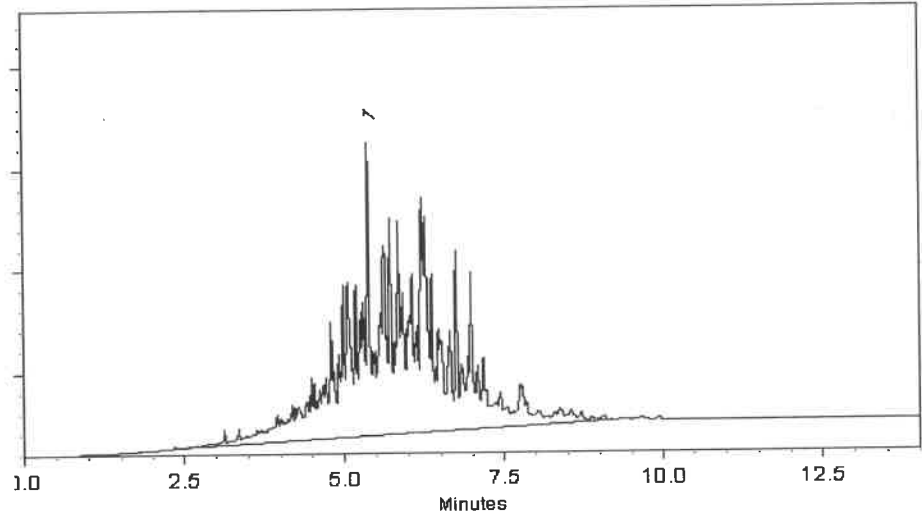
ECD

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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Bellefonte, PA 16823-8812
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0210240

Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13861
P13862

12/9/2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

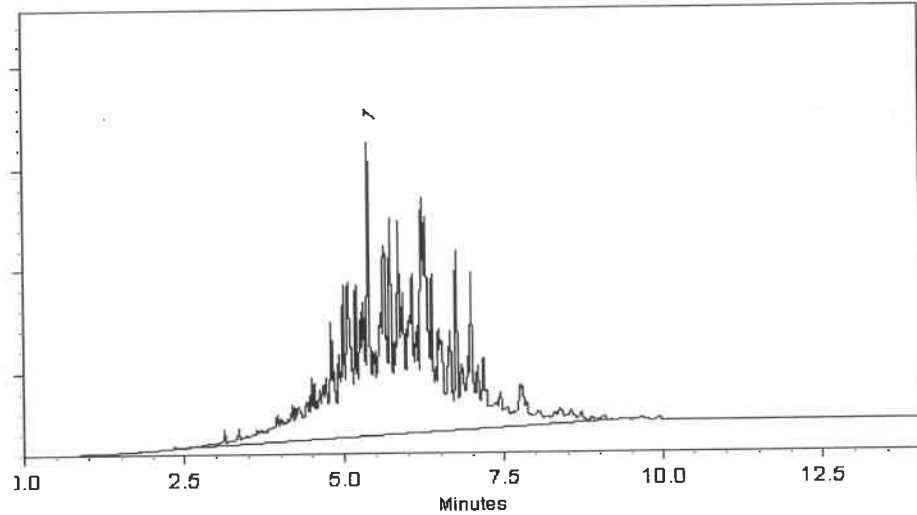
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311


Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13861 } ②
P13862 }


12/9/2024



CERTIFIED WEIGHT REPORT

Part Number: **72072**
Lot Number: **112018**
Description: **n-Tetracosane-d50**
Expiration Date: **112028**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **2684186**
Weight(s) shown below were combined and diluted to (mL): **200.0**

Solvent(s): **Methylene chloride**
Lot#: **102669**

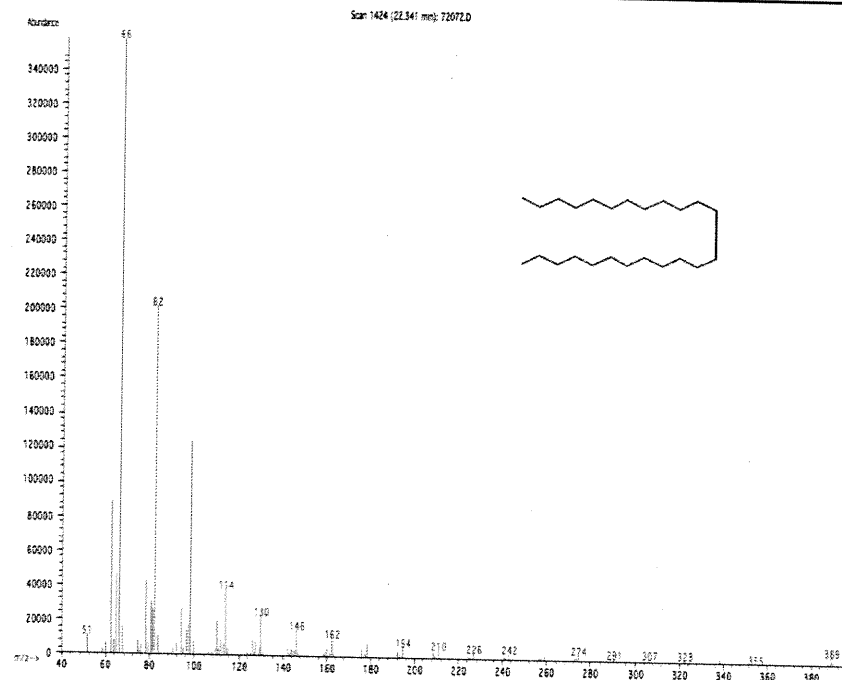
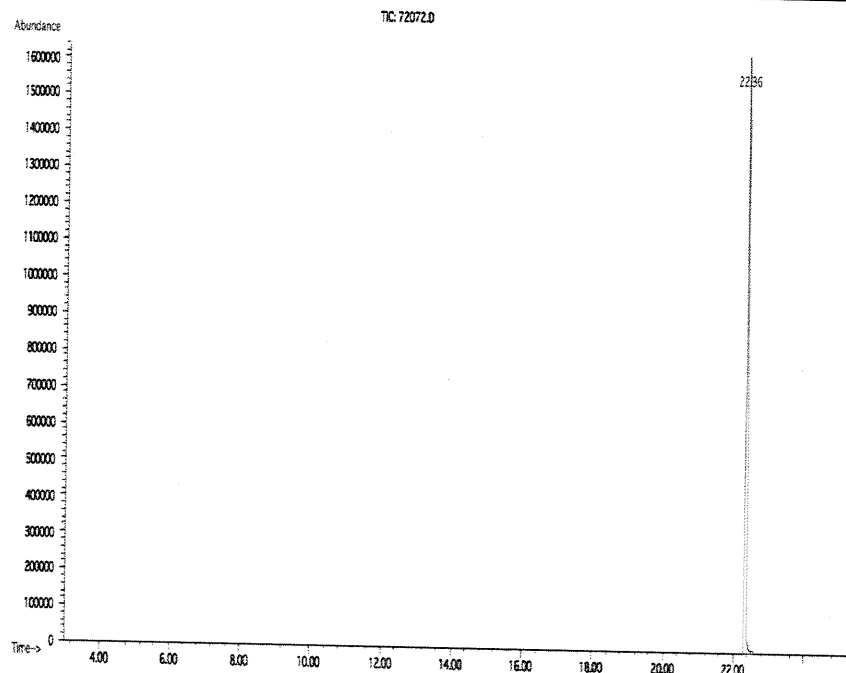
Received by
SG on 11/1/19
P9044 - P9053

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

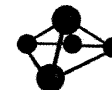
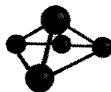
		112018
Formulated By:	Prashant Chauhan	DATE
		112018
Reviewed By:	Pedro Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	16416-32-3	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.

Created: Thu, Nov 22, 2018 at 7:23:18 AM.

Sampled: Sequence "112018-GC4M1", Method "GC4-M1".

Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier

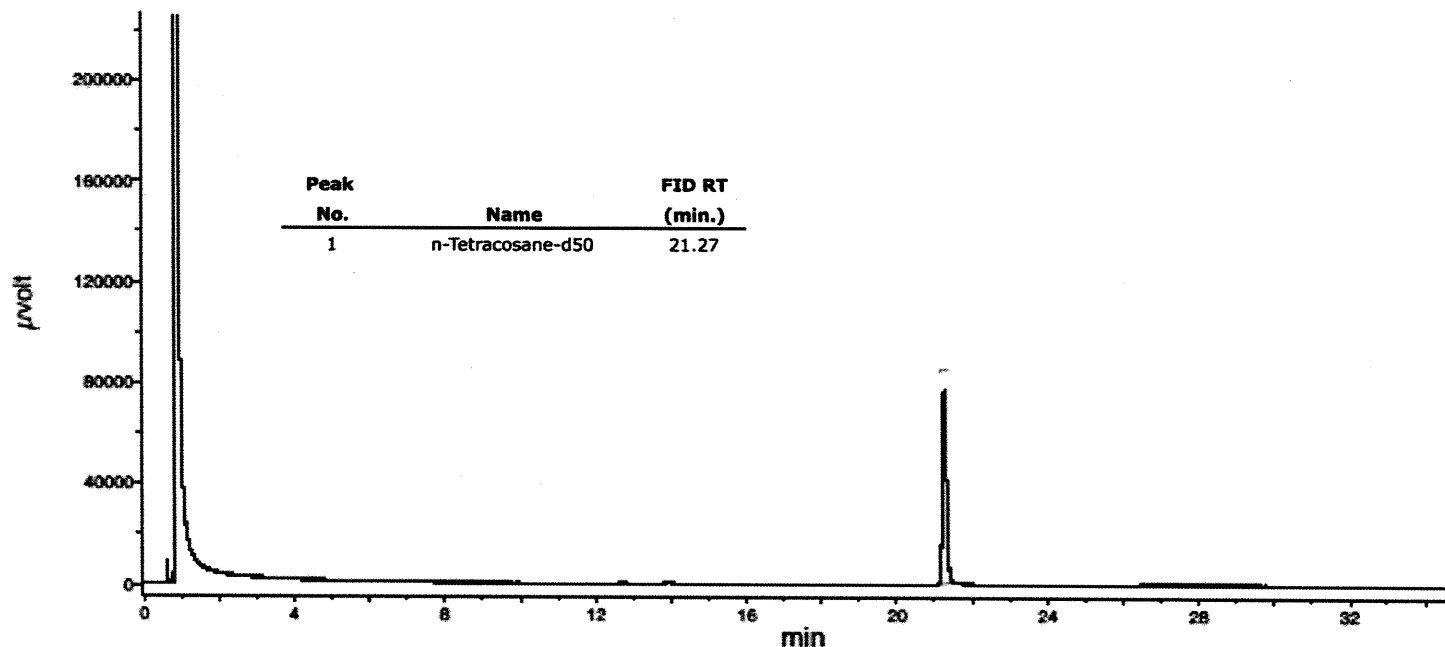
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

Flow rates: Total Flow = 300 mL/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) = 360 mL

Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.

Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDag Channel 1.

Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 µL, Range = 3



n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™



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)	$\geq 99.5 \%$	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production



SHIPPING DOCUMENTS

Q 2879

Chemtech

Phone: (908) 789-8900

Fax: (908) 789-8922

284 Sheffield Street, Mountainside, NJ 07092

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

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020

Page 1 of 1

Requested Turnaround Time		Dissolved Metals Samples		ANALYSIS REQUESTED												Preservation Code					
5-Day ☒	10-Day ☐	☐ Field Filtered	☐ Lab to Filter	M/O	I	I	I	I	I	I	I	I	I	I	I	I	2 Preservation Code				
PFAS 10-Day (std) ☐	Due Date:															Total Number Of:					
Rush-Approval Required		Orthophosphate Samples														VIALS _____					
1-Day ☐	3-Day ☒	☐ Field Filtered	☐ Lab to Filter													GLASS _____					
2-Day ☐	4-Day ☐															PLASTIC _____					
Data Delivery																BACTERIA _____					
Format: PDF ☒ EXCEL ☒		PCB ONLY														ENCORE _____					
Other:		SOXHLET ☒														Glassware in the fridge? Y / N					
CLP Like Data Pkg Required: ☐ No		NON SOXHLET ☐														Prepackaged Cooler? Y / N					
Email To: arroy@nobis-group.com																*Contest is not responsible for missing samples from prepacked coolers					
Fax To #:																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)					
Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020	
	OU4-TS-Grillo-TSCP03-081425	8/14/25	11:30	G	SO		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-TS-Grillo-TSCP04-081425	8/14/25	11:35	G	SO		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-TS-Grillo-TSCP05-081425	8/14/25	11:40	G	SO		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-TS-Grillo-TSCP06-081425	8/14/25	11:45	G	SO		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-TS-Grillo-TSCP07-081425	8/14/25	11:50	G	SO		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-TS-Grillo-TSCP08-081425	8/14/25	11:55	G	SO		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-TS-Grillo-TSCP09-081425	8/14/25	12:00	G	SO		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-TS-Grillo-TSCP10-081425	8/14/25	12:05	G	SO		3	2	1			X	X	X	X	X	X	X	X	X	
	OU4-TS-Grillo-TSCP11-081425	8/14/25	12:10	G	SO		3	2	1			X	X	X	X	X	X	X	X	X	
Relinquished by: (signature)	Date/Time:	Client Comments:																			
Received by: (signature)	Date/Time:	3-2																			
Relinquished by: (signature)	Date/Time:	Detection Limit Requirements																			
Received by: (signature)	Date/Time:	Special Requirements																			
Relinquished by: (signature)	Date/Time:	MA MCP Required																			
Received by: (signature)	Date/Time:	MCP Certification Form Required																			
Relinquished by: (signature)	Date/Time:	CT RCP Required																			
Received by: (signature)	Date/Time:	RCP Certification Form Required																			
Relinquished by: (signature)	Date/Time:	MA State DW Required																			
Received by: (signature)	Date/Time:	Other																			
Relinquished by: (signature)	Date/Time:	Project Entity																			
Received by: (signature)	Date/Time:	Government ☐ Municipality ☐ MWRA ☐ WRTA ☐ Other ☐																			
		Federal ☐ 21 J ☐ School ☐ Chromatogram ☐																			
		City ☐ Brownfield ☐ MBTA ☐ AIHA-LAP, LLC ☐																			
Lab Comments:																					
Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.																					

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2879	NOBI03	Order Date : 8/15/2025 9:15:00 AM	Project Mgr :
Client Name : Nobis Group		Project Name : Raymark Superfund Site	Report Type : Level 4
Client Contact : Adam Roy		Receive DateTime : 8/15/2025 9:09:00 AM	EDD Type : EQUIS
Invoice Name : Nobis Group		Purchase Order :	Hard Copy Date :
Invoice Contact : Adam Roy			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2879-01	OU4-TS-GRILLO-TSCP03-081425	Solid	08/14/2025	11:30					
					VOCMS Group3		8260D	5 Bus. Days	
Q2879-03	OU4-TS-GRILLO-TSCP04-081425	Solid	08/14/2025	11:35					
					VOCMS Group3		8260D	5 Bus. Days	
Q2879-05	OU4-TS-GRILLO-TSCP05-081425	Solid	08/14/2025	11:40					
					VOCMS Group3		8260D	5 Bus. Days	
Q2879-07	OU4-TS-GRILLO-TSCP06-081425	Solid	08/14/2025	11:45					
					VOCMS Group3		8260D	5 Bus. Days	
Q2879-09	OU4-TS-GRILLO-TSCP07-081425	Solid	08/14/2025	11:50					
					VOCMS Group3		8260D	5 Bus. Days	
Q2879-11	OU4-TS-GRILLO-TSCP08-081425	Solid	08/14/2025	11:55					
					VOCMS Group3		8260D	5 Bus. Days	
Q2879-13	OU4-TS-GRILLO-TSCP09-081425	Solid	08/14/2025	12:00					
					VOCMS Group3		8260D	5 Bus. Days	
Q2879-15	OU4-TS-GRILLO-TSCP10-081425	Solid	08/14/2025	12:05					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2879	NOBI03	Order Date : 8/15/2025 9:15:00 AM	Project Mgr :
Client Name : Nobis Group		Project Name : Raymark Superfund Site	Report Type : Level 4
Client Contact : Adam Roy		Receive DateTime : 8/15/2025 9:09:00 AM	EDD Type : EQUIS
Invoice Name : Nobis Group		Purchase Order :	Hard Copy Date :
Invoice Contact : Adam Roy			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOCMS Group3		8260D	5 Bus. Days	
Q2879-17	OU4-TS-GRILLO-TSCP11-081425	Solid	08/14/2025	12:10					
					VOCMS Group3		8260D	5 Bus. Days	

Relinquished By :

Date / Time :


8/15/25 1230

Received By :

Date / Time :


08/15/25 12:30 Ng H 6
22 2

Storage Area : VOA Refridgerator Room

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
 Data File : PL096594.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 16:25
 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 29 08:57:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:58:13 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...	3.535	2.828	66676938	99261210	20.962	20.776
28)	SA Decachlor...	9.017	7.992	50725219	90556842	21.271	20.874
Target Compounds							
2)	A alpha-BHC	3.983	3.333	48281852	72680702	10.436	10.270
3)	MA gamma-BHC...	4.311	3.666	46672698	68921884	10.551	10.437
6)	B beta-BHC	4.498	3.962	18987747	30564619	10.520	10.835
14)	MA Endrin	6.543	5.710	163.5E6	289.9E6	54.016	53.632
17)	MA 4,4'-DDT	6.990	6.109	314.0E6	562.5E6	109.497	111.208
18)	B Endrin al...	0.000	6.180	0	12998853	N.D.	0.219 #
20)	A Methoxychlor	7.463	6.682	392.3E6	694.1E6	267.202	253.290

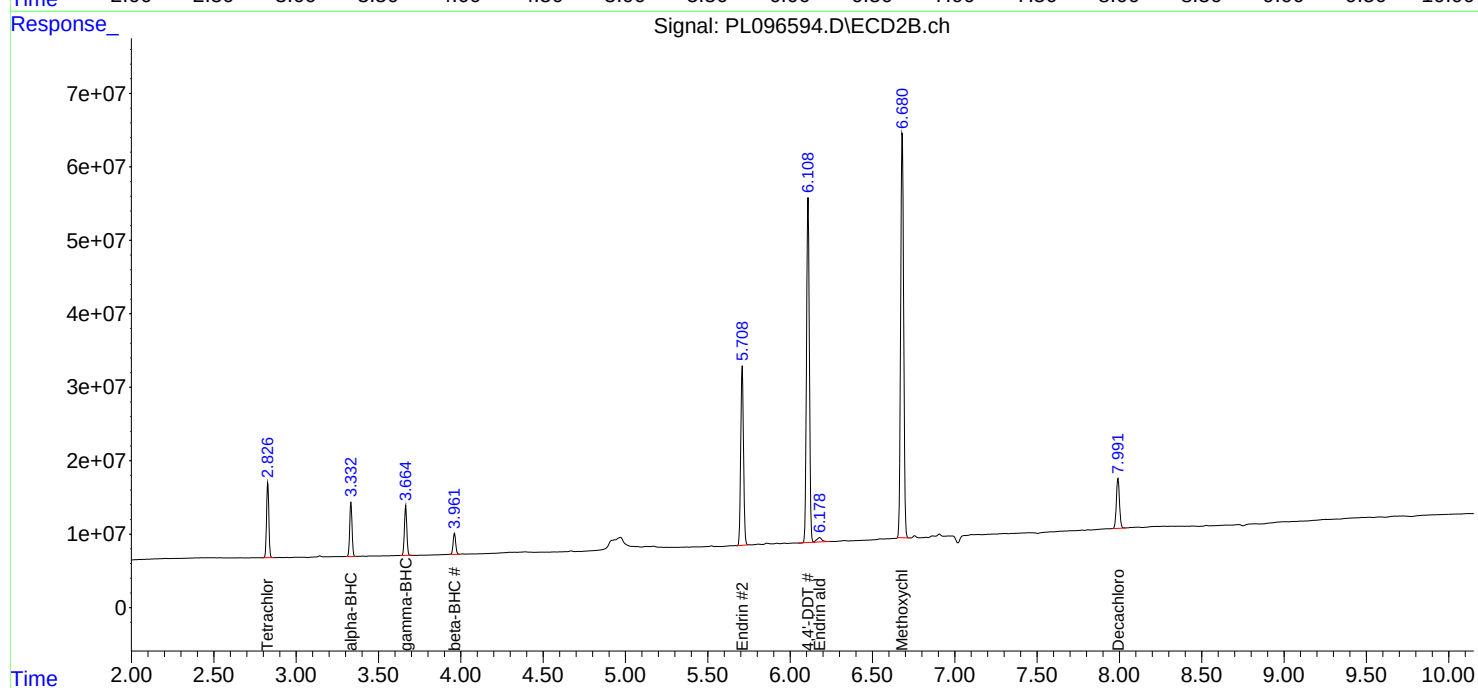
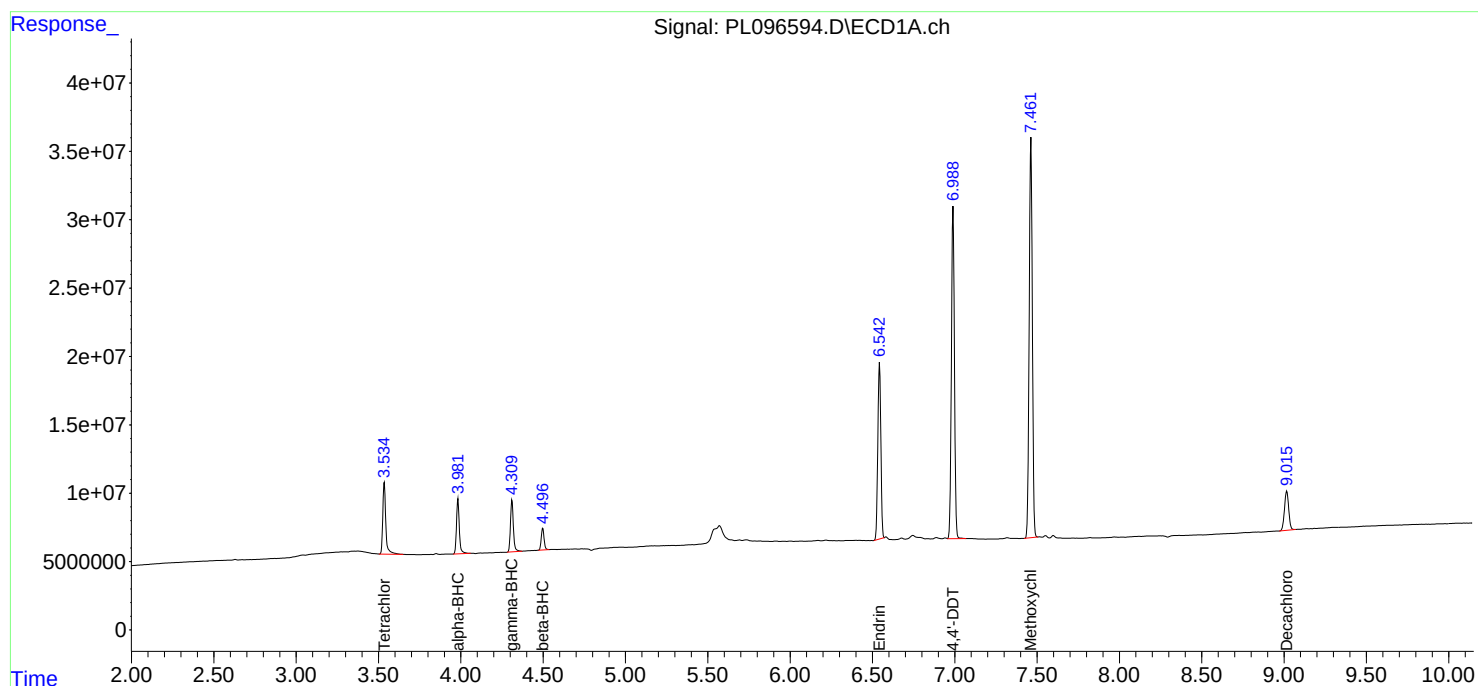
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

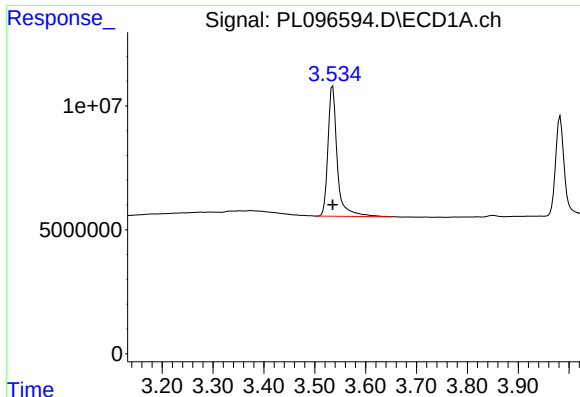
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:25
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:57:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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

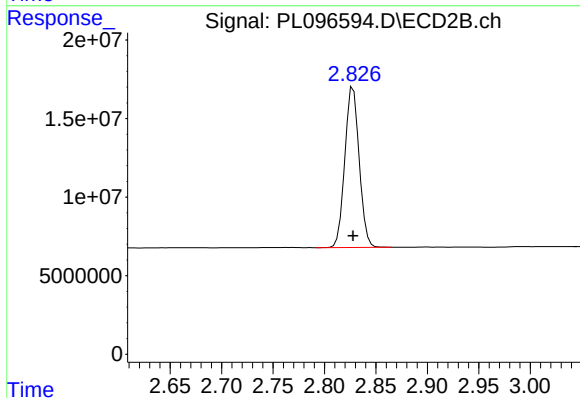




#1 Tetrachloro-m-xylene

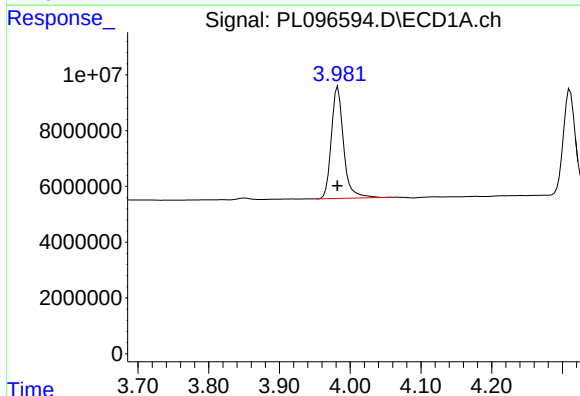
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 66676938
Conc: 20.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



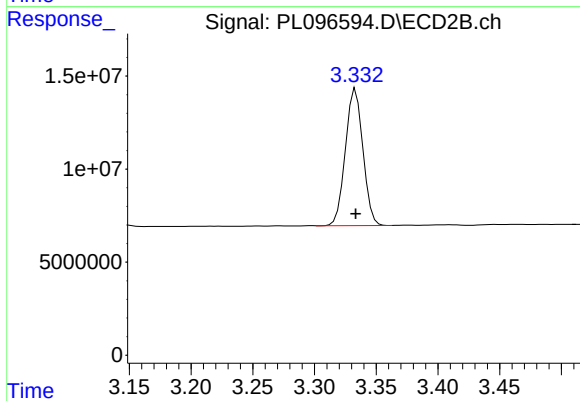
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 99261210
Conc: 20.78 ng/ml



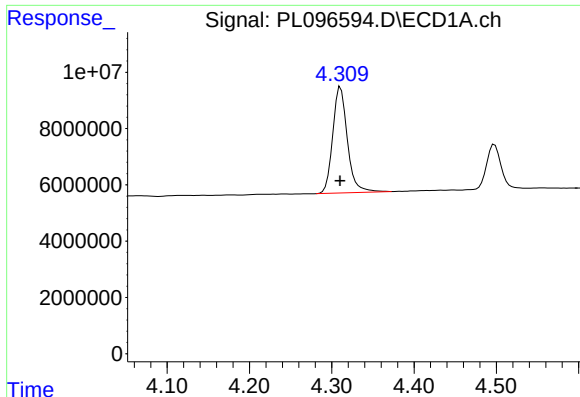
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 48281852
Conc: 10.44 ng/ml



#2 alpha-BHC

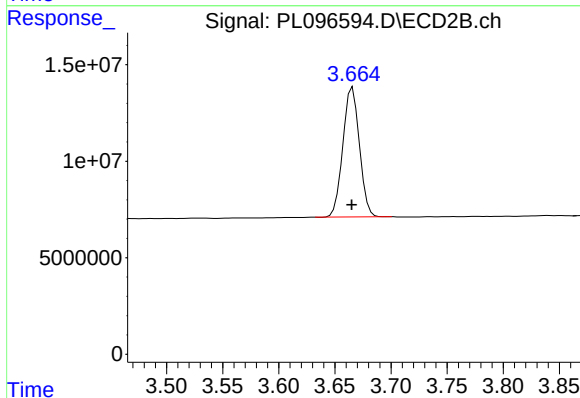
R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 72680702
Conc: 10.27 ng/ml



#3 gamma-BHC (Lindane)

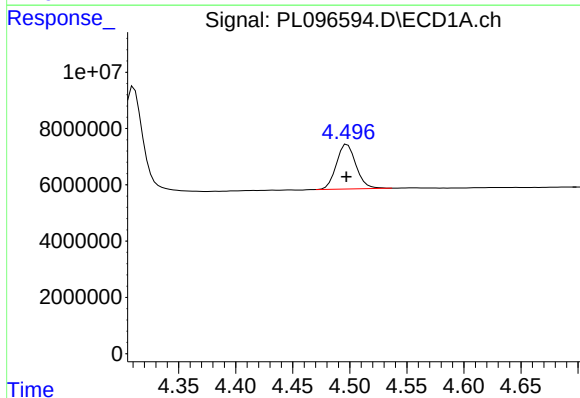
R.T.: 4.311 min
Delta R.T.: 0.000 min
Response: 46672698
Conc: 10.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



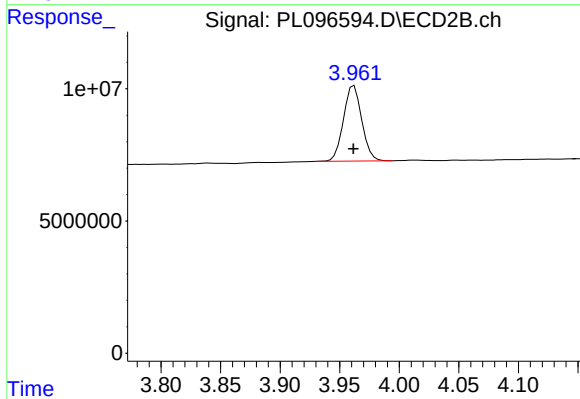
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 68921884
Conc: 10.44 ng/ml



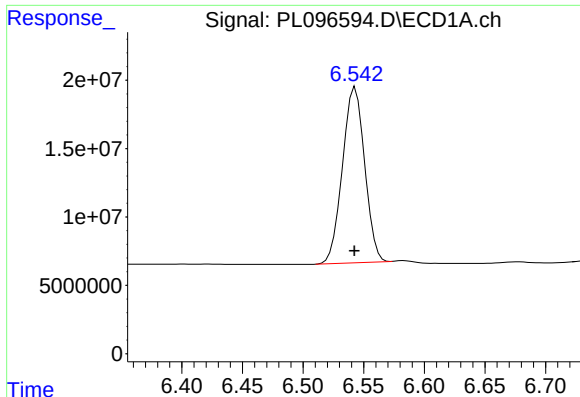
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 18987747
Conc: 10.52 ng/ml



#6 beta-BHC

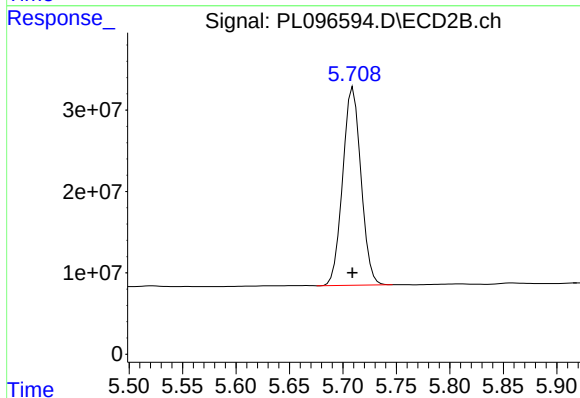
R.T.: 3.962 min
Delta R.T.: 0.000 min
Response: 30564619
Conc: 10.84 ng/ml



#14 Endrin

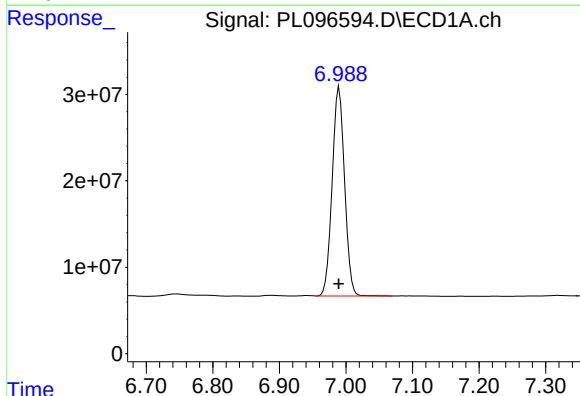
R.T.: 6.543 min
Delta R.T.: 0.000 min
Response: 163494961
Conc: 54.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



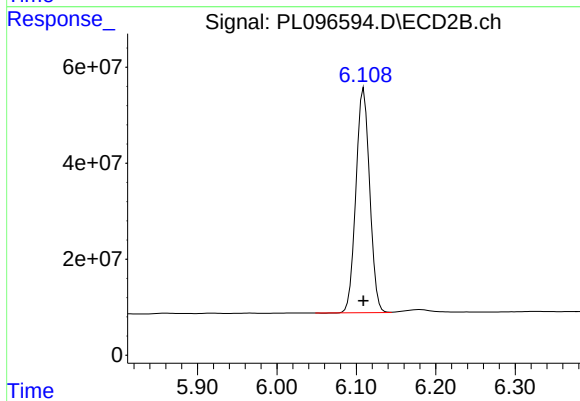
#14 Endrin

R.T.: 5.710 min
Delta R.T.: 0.000 min
Response: 289935231
Conc: 53.63 ng/ml



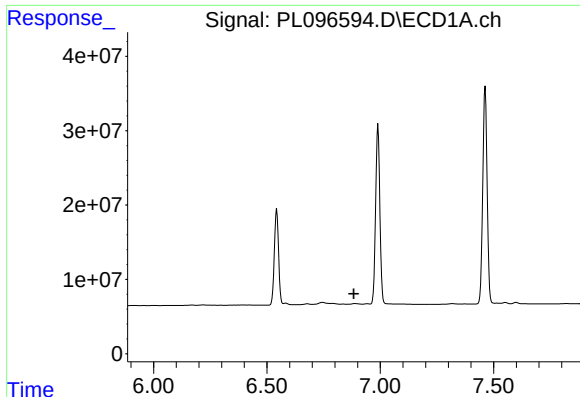
#17 4,4'-DDT

R.T.: 6.990 min
Delta R.T.: 0.000 min
Response: 314003596
Conc: 109.50 ng/ml



#17 4,4'-DDT

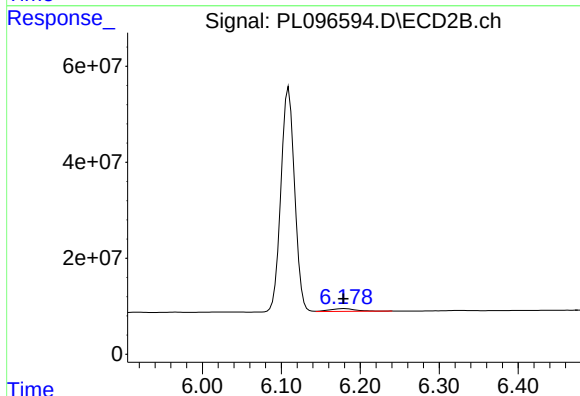
R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 562525716
Conc: 111.21 ng/ml



#18 Endrin aldehyde

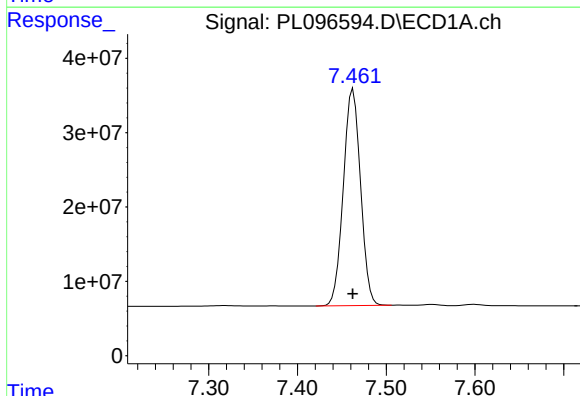
R.T.: 0.000 min
Exp R.T.: 6.884 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



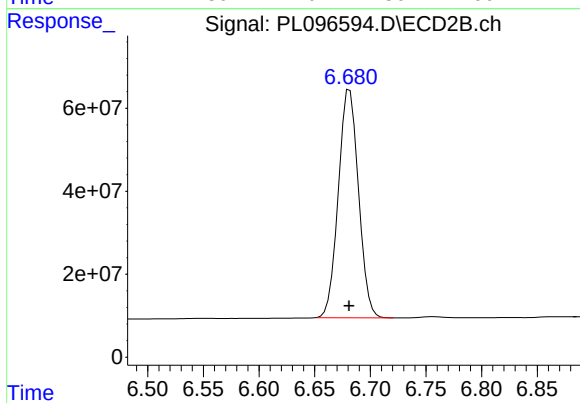
#18 Endrin aldehyde

R.T.: 6.180 min
Delta R.T.: 0.001 min
Response: 12998853
Conc: 0.22 ng/ml



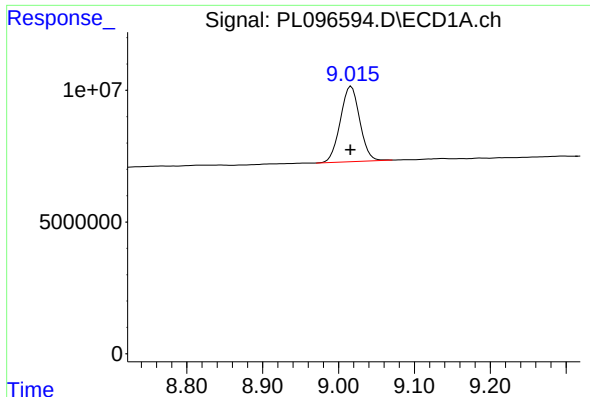
#20 Methoxychlor

R.T.: 7.463 min
Delta R.T.: 0.000 min
Response: 392347777
Conc: 267.20 ng/ml



#20 Methoxychlor

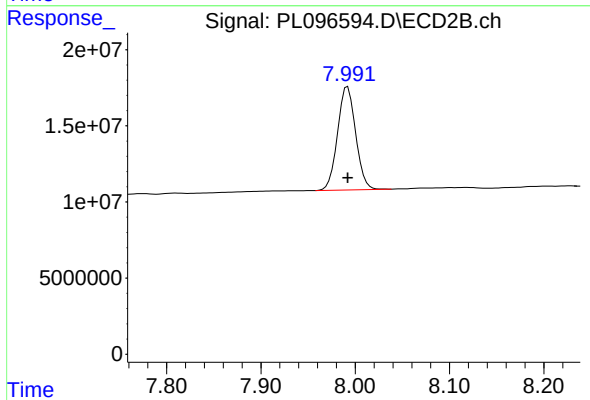
R.T.: 6.682 min
Delta R.T.: 0.000 min
Response: 694139453
Conc: 253.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.017 min
Delta R.T.: 0.000 min
Response: 50725219
Conc: 21.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 90556842
Conc: 20.87 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
 Data File : PL096595.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 16:38
 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 29 08:57:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:58:13 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...	3.535	2.828	53837096	81066871	16.926	16.968
28)	SA Decachlor...	9.016	7.993	41967810	75251539	17.599	17.346
Target Compounds							
9)	A Endosulfan I	6.045	5.170	28022040	48036256	7.792	8.684
10)	B gamma-Chl...	5.916	5.052	31638592	48929496	8.314	8.321
12)	B 4,4'-DDE	6.166	5.304	54660848	96001382	17.022	17.409
13)	MA Dieldrin	6.316	5.435	63095073	99918926	17.001	16.917
19)	B Endosulfa...	7.118	6.403	50325612	88476396	17.513	17.395
20)	A Methoxychlor	7.463	6.682	128.9E6	238.4E6	87.784	87.000
21)	B Endrin ke...	7.598	6.907	51693529	95186865	17.193	17.090
25)	Chlordane-3	5.916	5.052	31638592	48929496	47.368	70.372 #

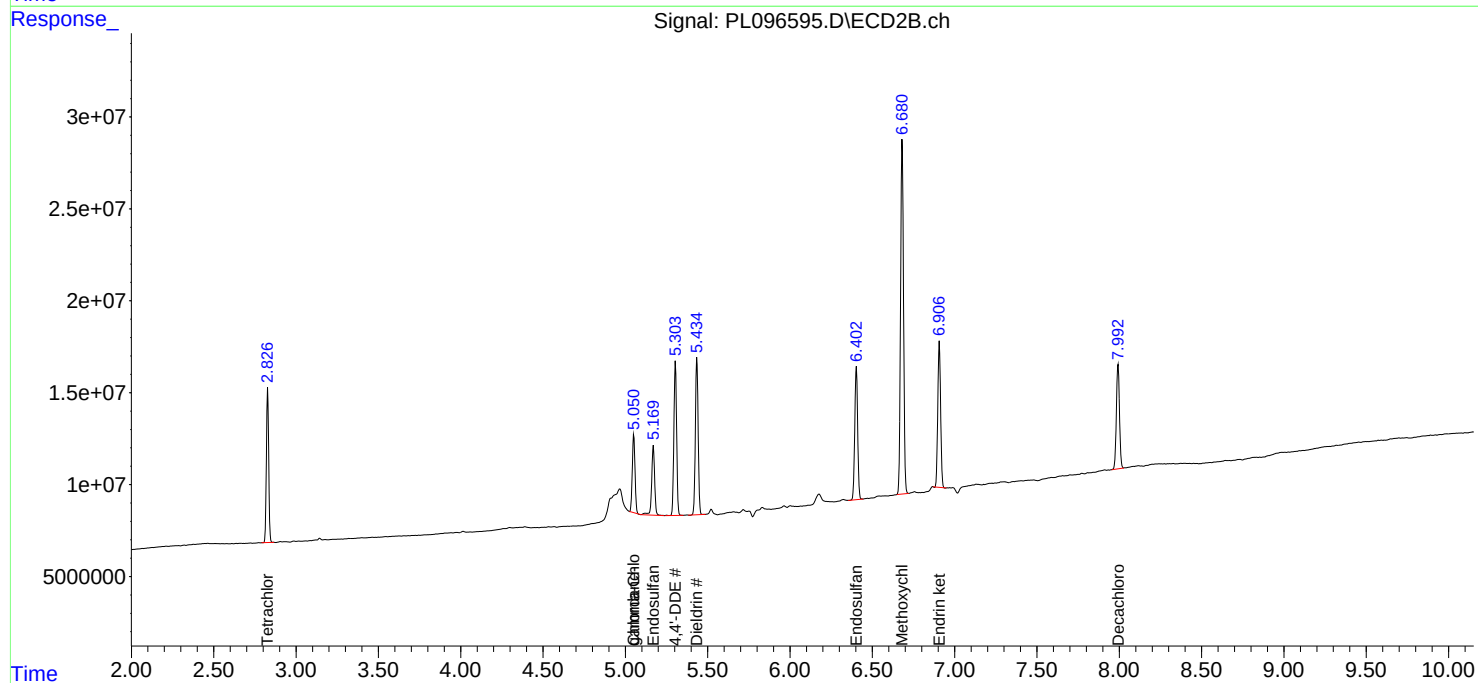
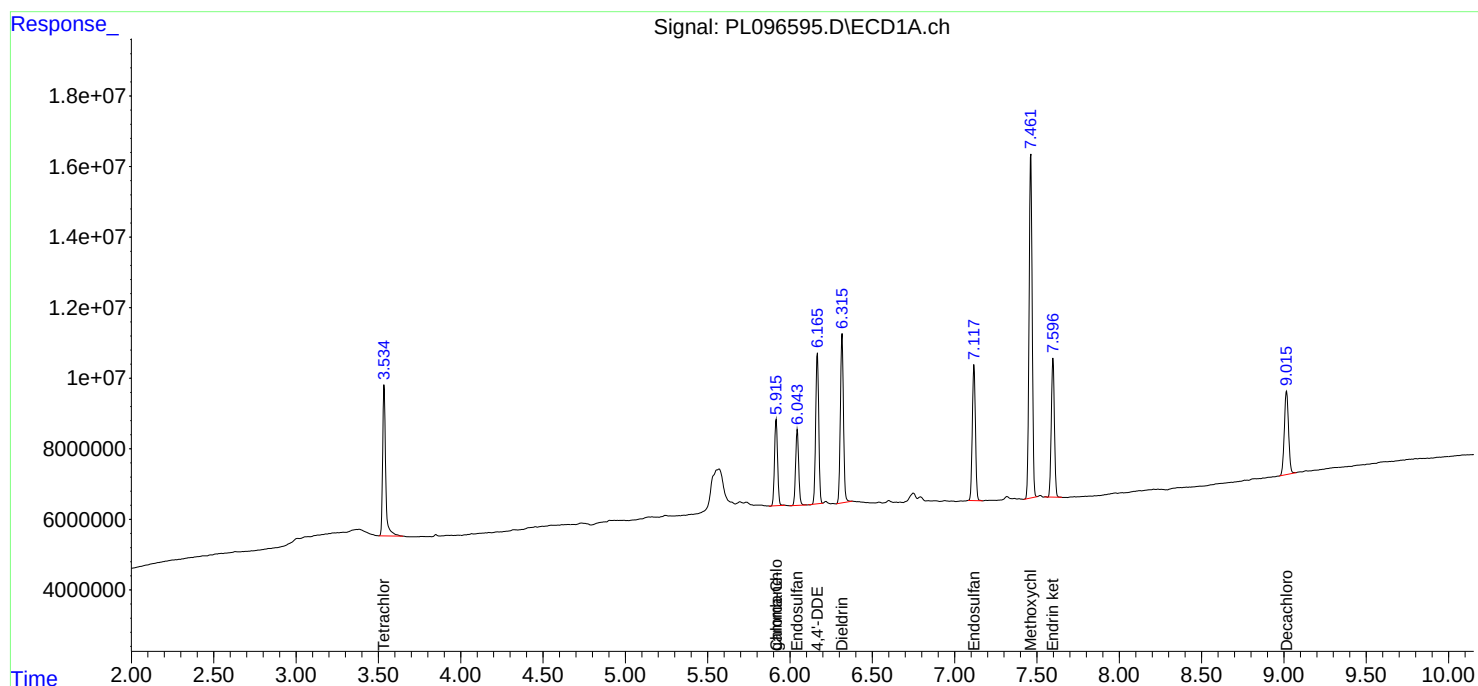
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

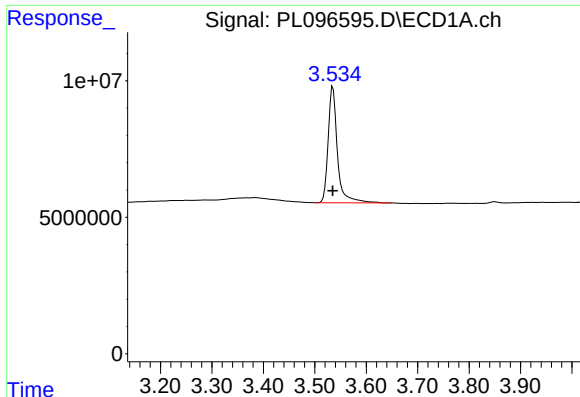
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:38
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:57:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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

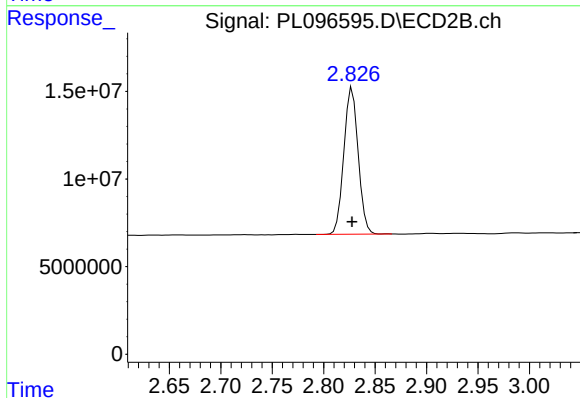




#1 Tetrachloro-m-xylene

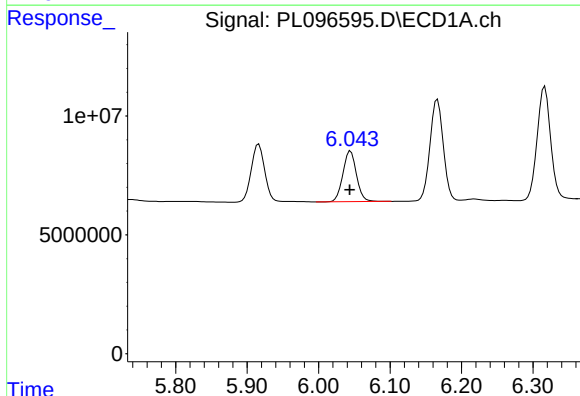
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 53837096
Conc: 16.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



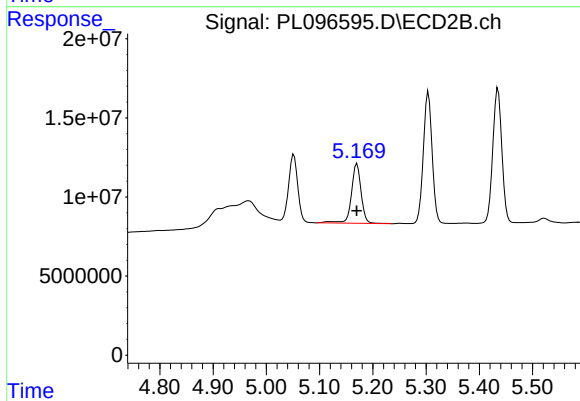
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 81066871
Conc: 16.97 ng/ml



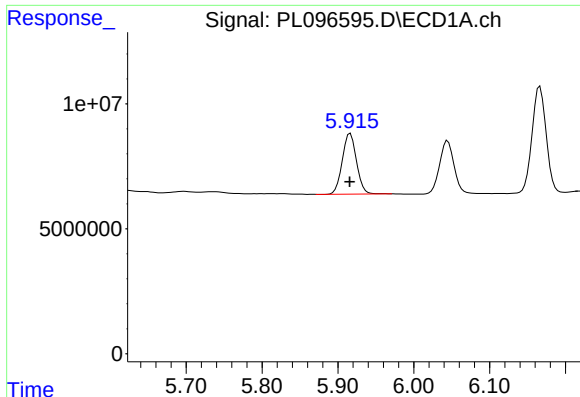
#9 Endosulfan I

R.T.: 6.045 min
Delta R.T.: 0.001 min
Response: 28022040
Conc: 7.79 ng/ml



#9 Endosulfan I

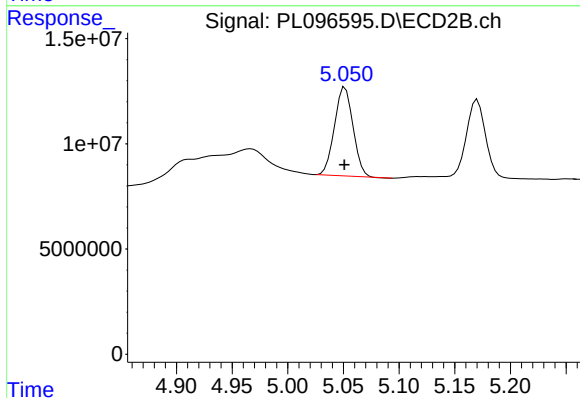
R.T.: 5.170 min
Delta R.T.: 0.000 min
Response: 48036256
Conc: 8.68 ng/ml



#10 gamma-Chlordane

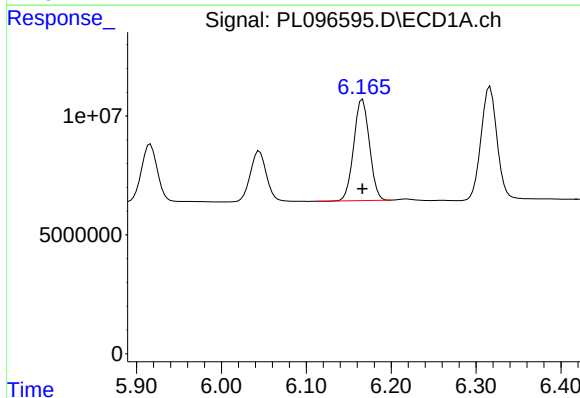
R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 31638592
Conc: 8.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



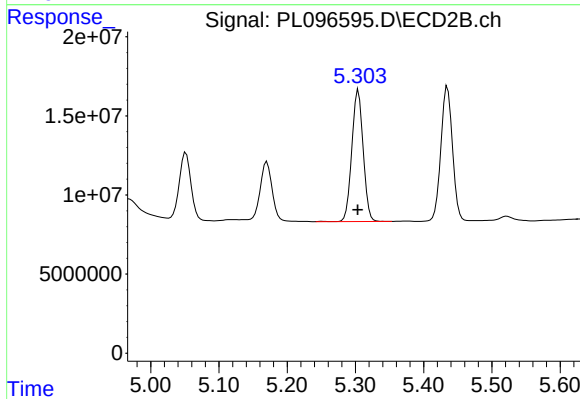
#10 gamma-Chlordane

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 48929496
Conc: 8.32 ng/ml



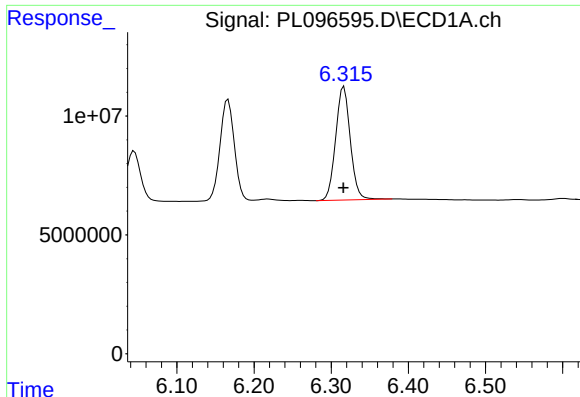
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 54660848
Conc: 17.02 ng/ml



#12 4,4'-DDE

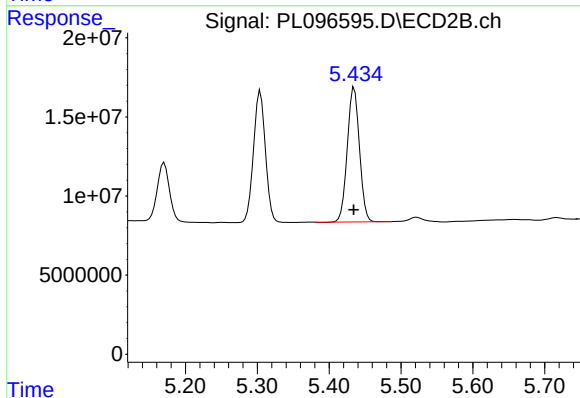
R.T.: 5.304 min
Delta R.T.: 0.000 min
Response: 96001382
Conc: 17.41 ng/ml



#13 Dieldrin

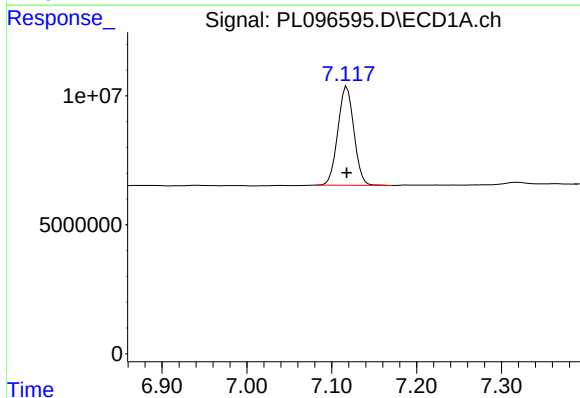
R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 63095073
Conc: 17.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



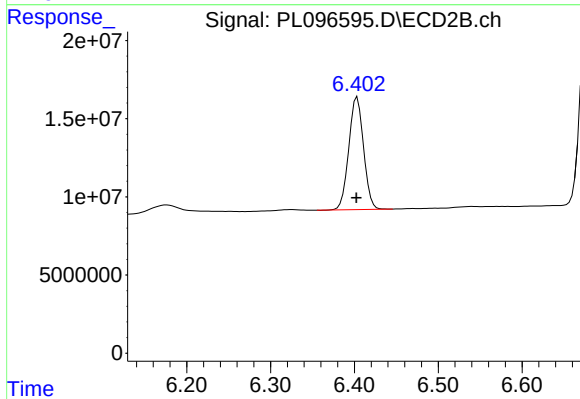
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: 0.000 min
Response: 99918926
Conc: 16.92 ng/ml



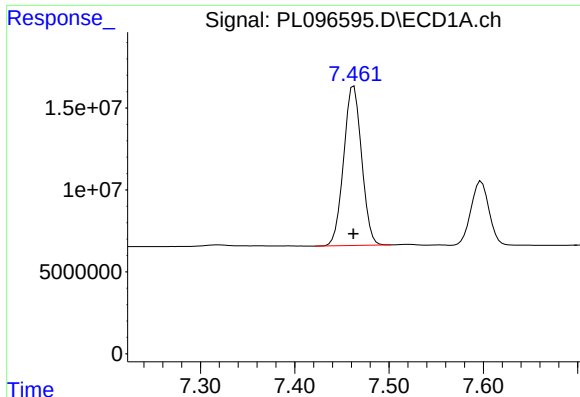
#19 Endosulfan Sulfate

R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 50325612
Conc: 17.51 ng/ml



#19 Endosulfan Sulfate

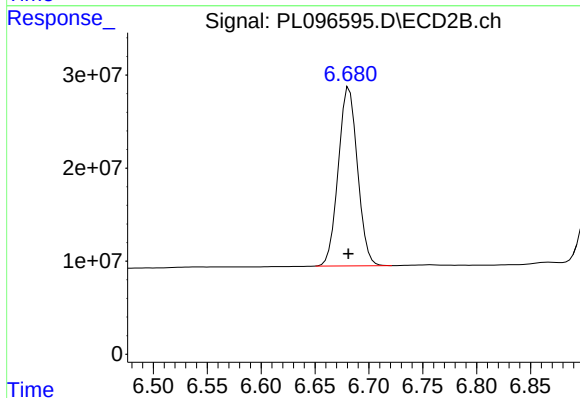
R.T.: 6.403 min
Delta R.T.: 0.001 min
Response: 88476396
Conc: 17.40 ng/ml



#20 Methoxychlor

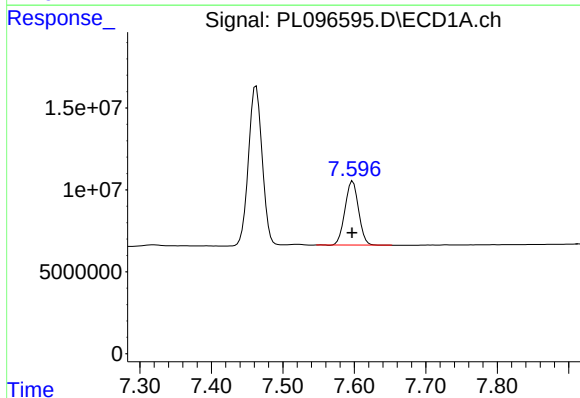
R.T.: 7.463 min
Delta R.T.: 0.000 min
Response: 128897891
Conc: 87.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



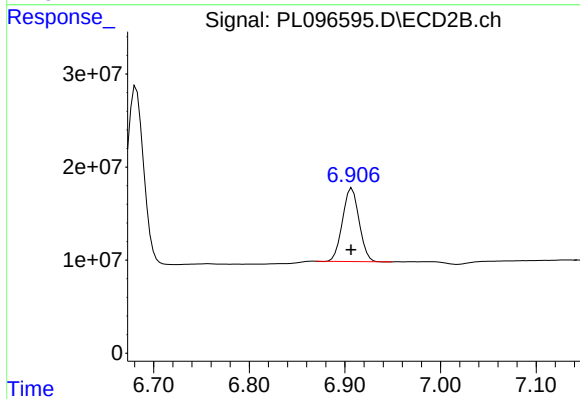
#20 Methoxychlor

R.T.: 6.682 min
Delta R.T.: 0.000 min
Response: 238424041
Conc: 87.00 ng/ml



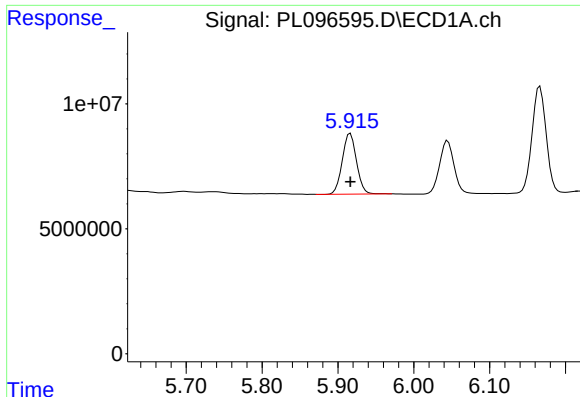
#21 Endrin ketone

R.T.: 7.598 min
Delta R.T.: 0.000 min
Response: 51693529
Conc: 17.19 ng/ml



#21 Endrin ketone

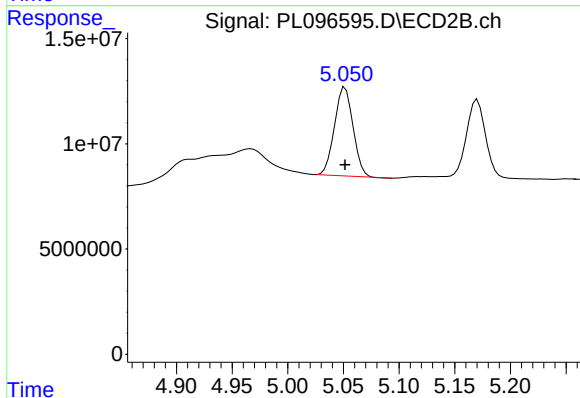
R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 95186865
Conc: 17.09 ng/ml



#25 Chlordane-3

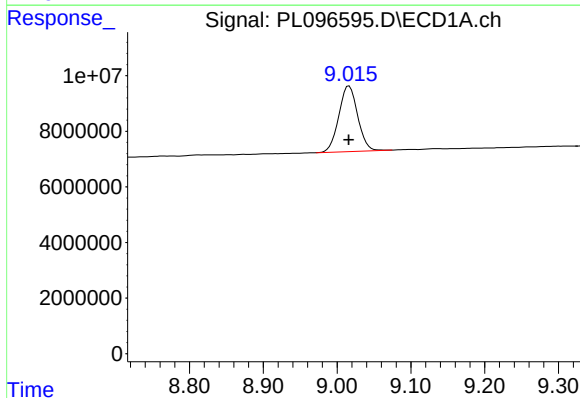
R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 31638592
Conc: 47.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



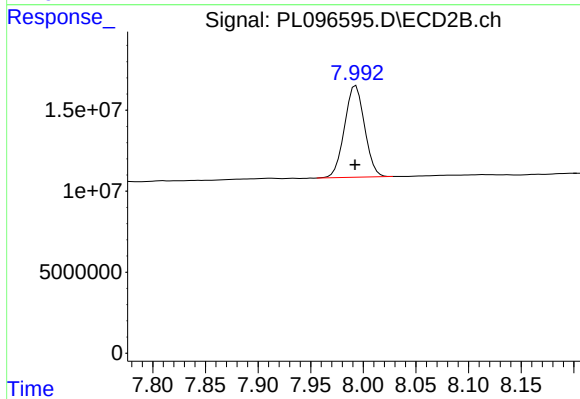
#25 Chlordane-3

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 48929496
Conc: 70.37 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: 0.000 min
Response: 41967810
Conc: 17.60 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: 0.000 min
Response: 75251539
Conc: 17.35 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
 Data File : PL096599.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 17:33
 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 29 07:45:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 07:36:56 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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	80667083	120.4E6	25.718	25.447
2)	SA Decachlor...	9.016	7.992	61253778	110.7E6	26.443	26.222
Target Compounds							
2)	A alpha-BHC	3.983	3.333	113.7E6	176.1E6	24.483	24.678
3)	MA gamma-BHC...	4.311	3.665	109.5E6	164.7E6	24.930	24.831
4)	MA Heptachlor	4.903	4.014	103.9E6	167.4E6	25.150	25.138
5)	MB Aldrin	5.242	4.297	106.1E6	154.6E6	24.852	24.810
6)	B beta-BHC	4.497	3.961	46424655	71835591	26.066	25.815
7)	B delta-BHC	4.743	4.195	98875722	161.7E6	24.853	24.903
8)	B Heptachlo...	5.662	4.799	97796537	143.3E6	25.420	25.140
9)	A Endosulfan I	6.044	5.170	89274310	138.5E6	25.243	25.835
10)	B gamma-Chl...	5.916	5.051	95166219	147.9E6	25.039	25.072
11)	B alpha-Chl...	5.996	5.115	96944619	147.4E6	25.499	25.414
12)	B 4,4'-DDE	6.166	5.303	77835138	135.9E6	24.731	24.536
13)	MA Dieldrin	6.316	5.434	91962286	148.1E6	24.768	25.106
14)	MA Endrin	6.542	5.709	76652120	133.6E6	25.664	24.852
15)	B Endosulfa...	6.755	6.001	79391270	129.4E6	26.092	25.256
16)	A 4,4'-DDD	6.675	5.856	62524397	117.6E6	24.773	25.050
17)	MA 4,4'-DDT	6.989	6.109	70933756	126.1E6	24.589	24.645
18)	B Endrin al...	6.884	6.179	54110594	101.7E6	25.464	27.119
19)	B Endosulfa...	7.117	6.403	71756969	128.4E6	25.163	25.362
20)	A Methoxychlor	7.462	6.681	37688830	69721101	25.500	25.524
21)	B Endrin ke...	7.597	6.907	75730573	138.5E6	25.211	25.044
22)	Mirex	8.076	7.097	63693911	111.6E6	26.118	26.231

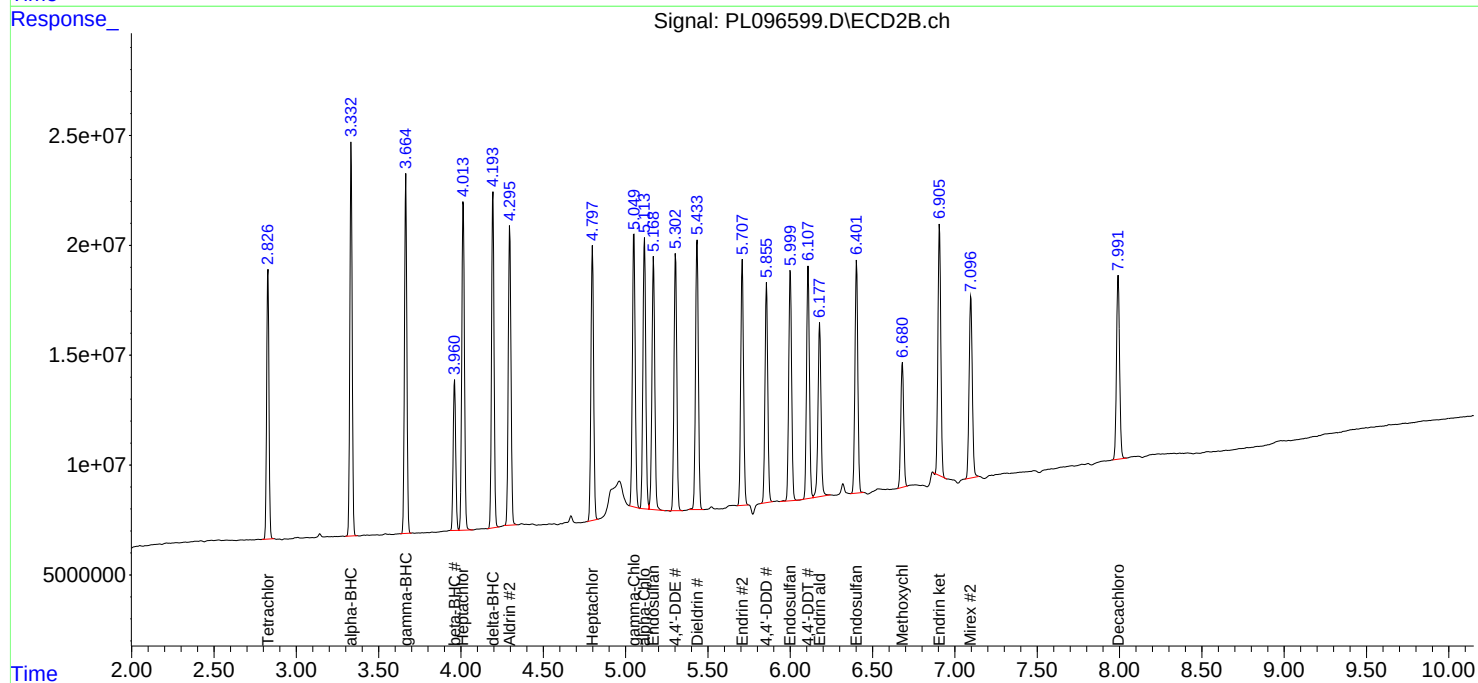
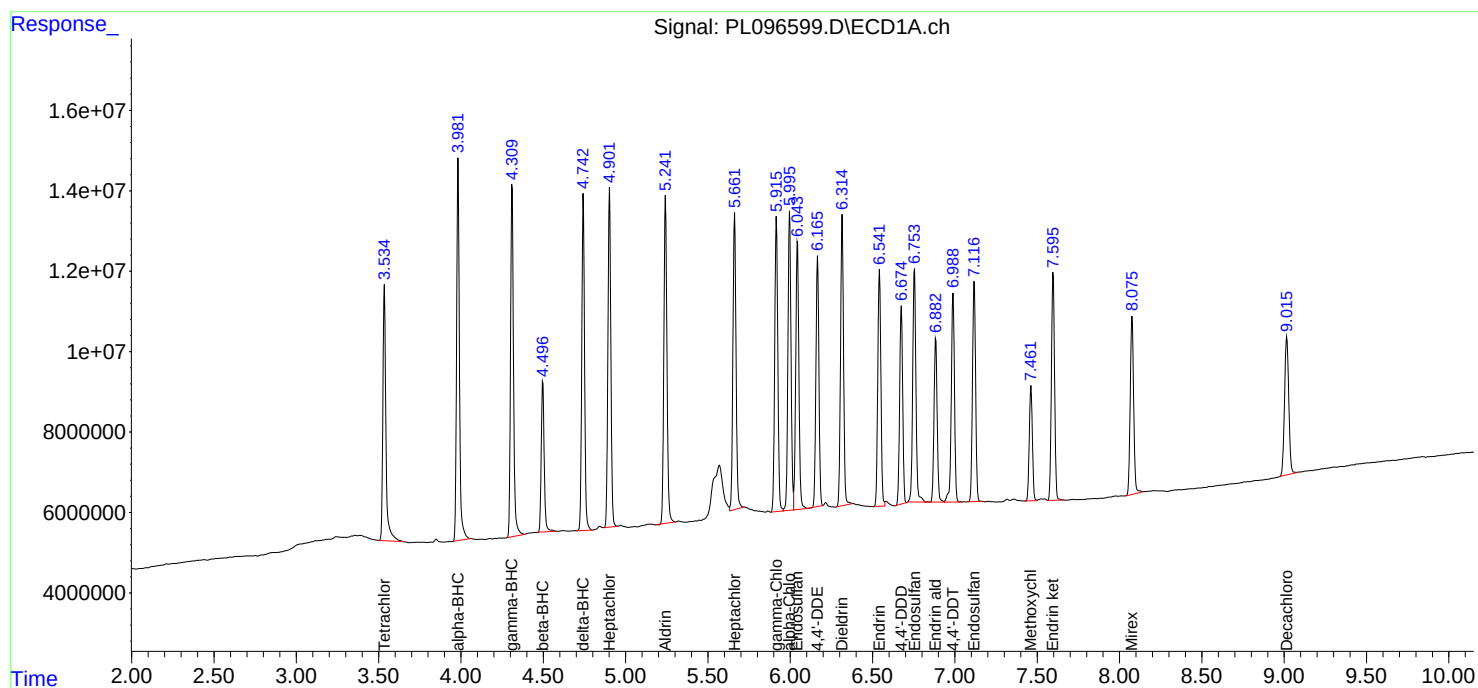
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

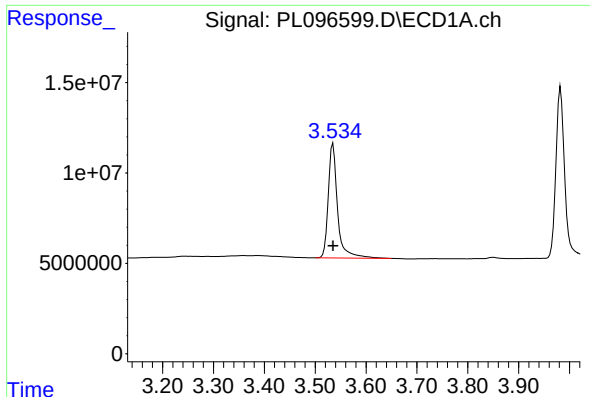
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:33
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 07:45:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

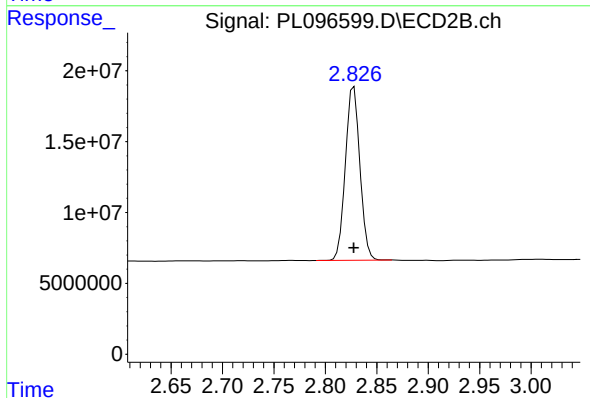




#1 Tetrachloro-m-xylene

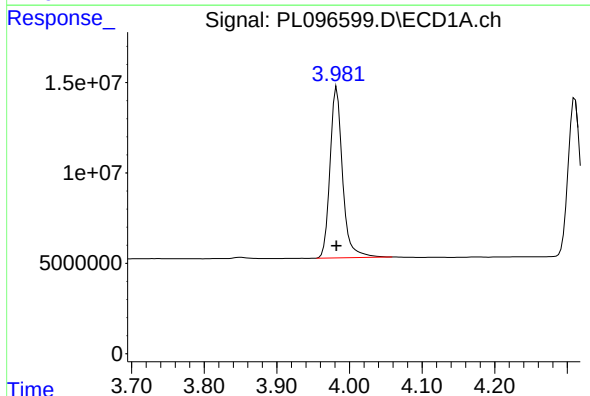
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 80667083
Conc: 25.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



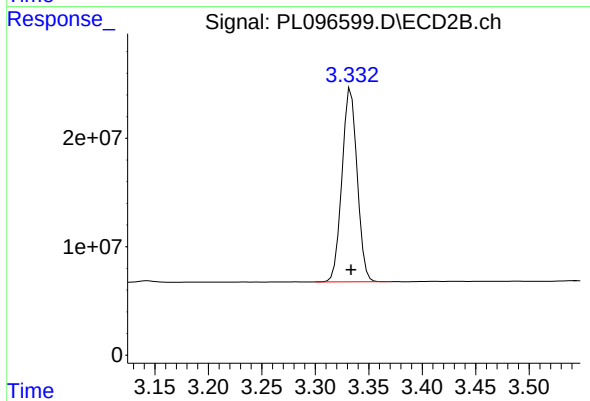
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 120387362
Conc: 25.45 ng/ml



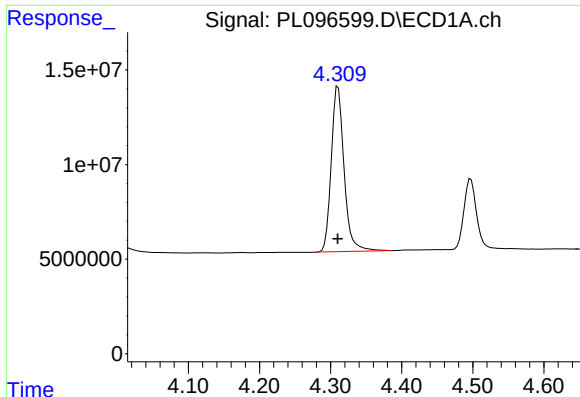
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 113727400
Conc: 24.48 ng/ml



#2 alpha-BHC

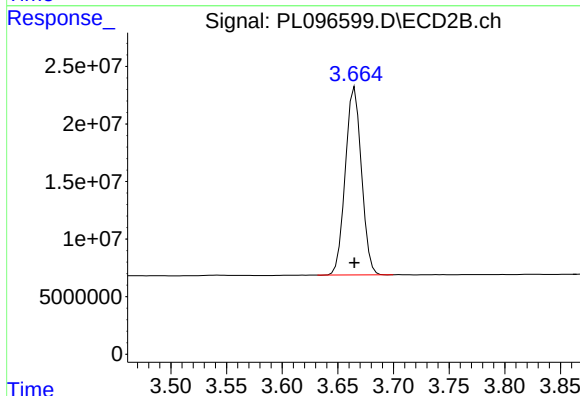
R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 176134463
Conc: 24.68 ng/ml



#3 gamma-BHC (Lindane)

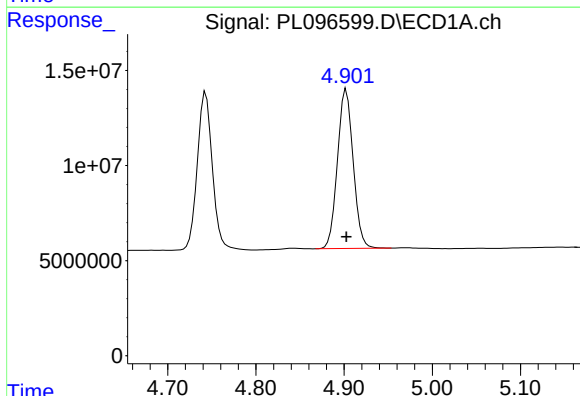
R.T.: 4.311 min
Delta R.T.: 0.000 min
Response: 109455262
Conc: 24.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



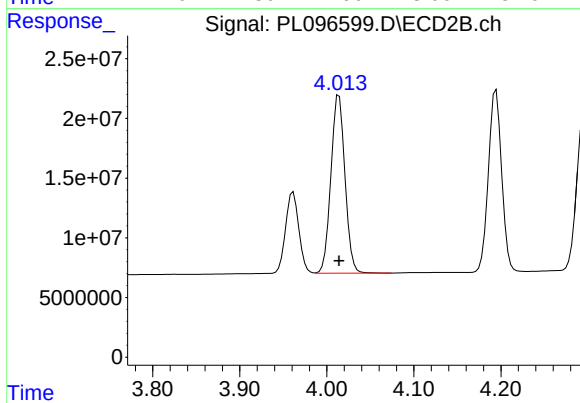
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: 0.000 min
Response: 164738265
Conc: 24.83 ng/ml



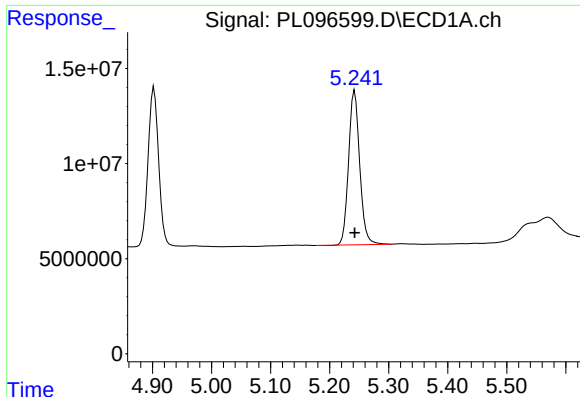
#4 Heptachlor

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 103855678
Conc: 25.15 ng/ml



#4 Heptachlor

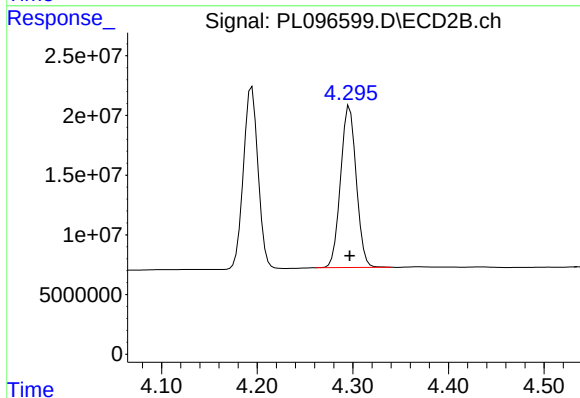
R.T.: 4.014 min
Delta R.T.: 0.000 min
Response: 167381908
Conc: 25.14 ng/ml



#5 Aldrin

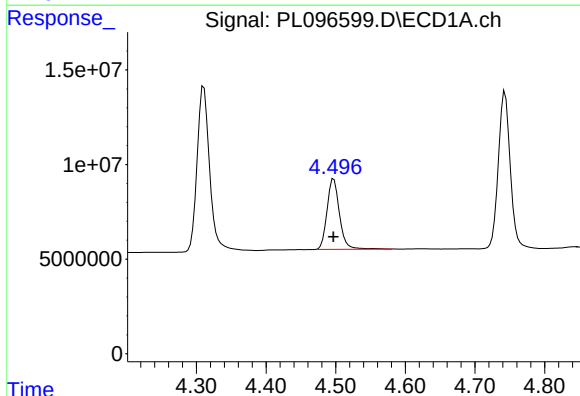
R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 106077325
Conc: 24.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



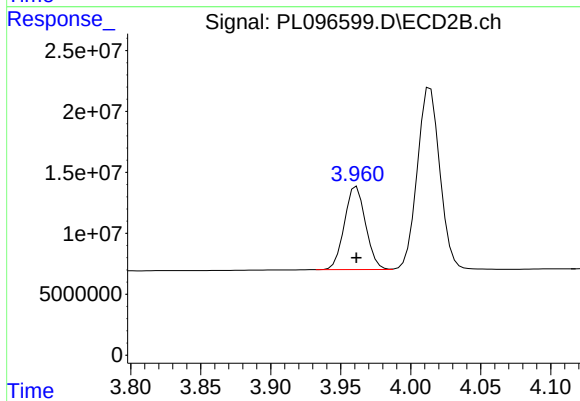
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: 0.000 min
Response: 154569484
Conc: 24.81 ng/ml



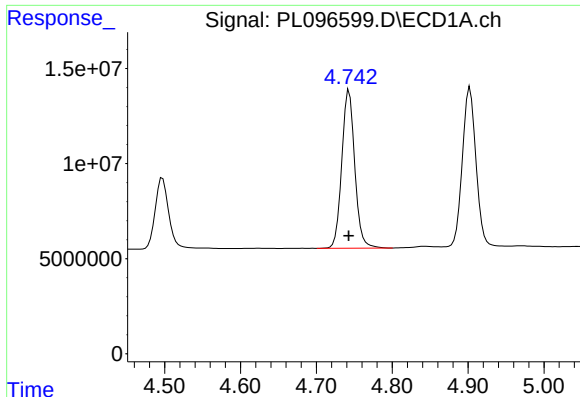
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: 0.000 min
Response: 46424655
Conc: 26.07 ng/ml



#6 beta-BHC

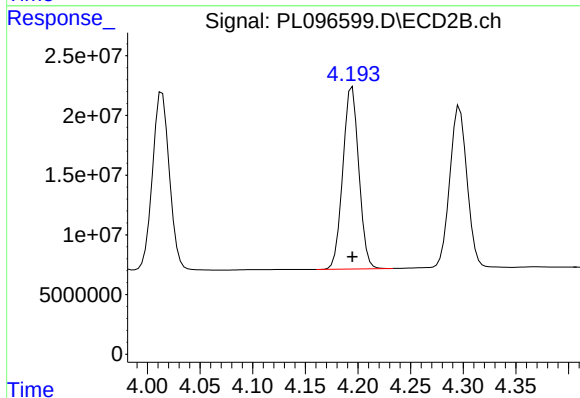
R.T.: 3.961 min
Delta R.T.: 0.000 min
Response: 71835591
Conc: 25.81 ng/ml



#7 delta-BHC

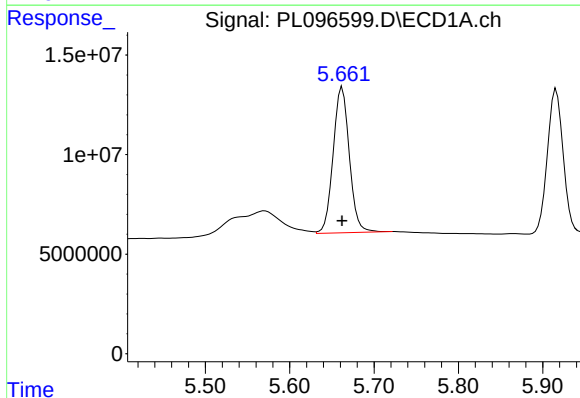
R.T.: 4.743 min
Delta R.T.: 0.000 min
Response: 98875722
Conc: 24.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



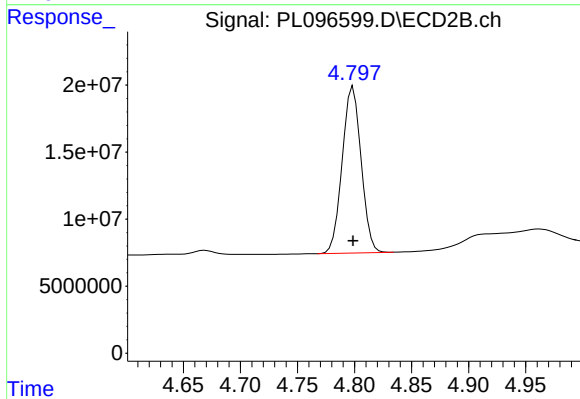
#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 161747114
Conc: 24.90 ng/ml



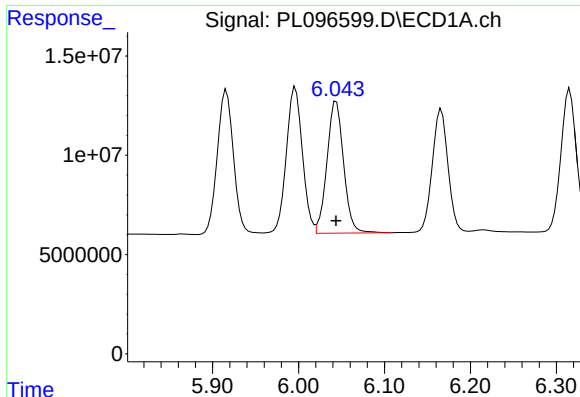
#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: 0.000 min
Response: 97796537
Conc: 25.42 ng/ml



#8 Heptachlor epoxide

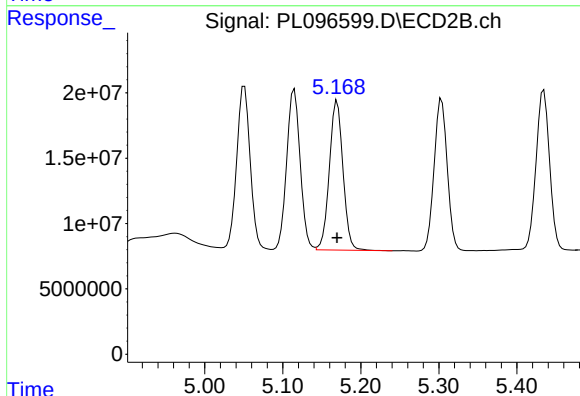
R.T.: 4.799 min
Delta R.T.: 0.000 min
Response: 143274077
Conc: 25.14 ng/ml



#9 Endosulfan I

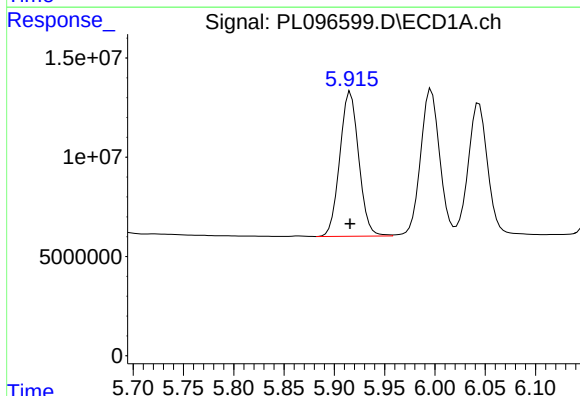
R.T.: 6.044 min
Delta R.T.: 0.000 min
Response: 89274310
Conc: 25.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



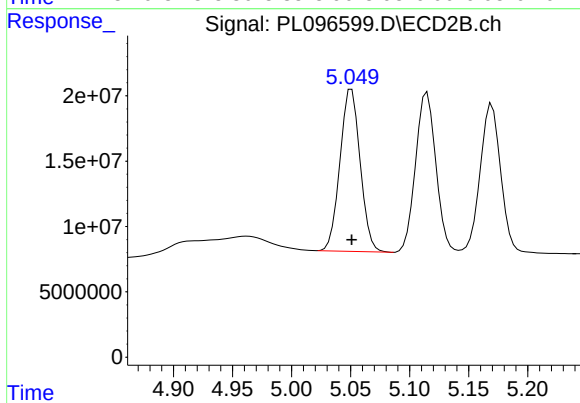
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: 0.000 min
Response: 138547710
Conc: 25.84 ng/ml



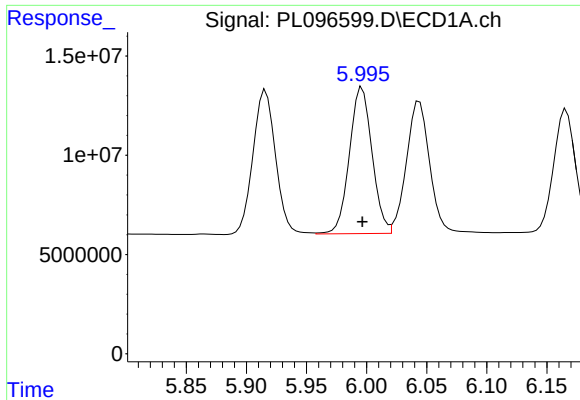
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 95166219
Conc: 25.04 ng/ml



#10 gamma-Chlordane

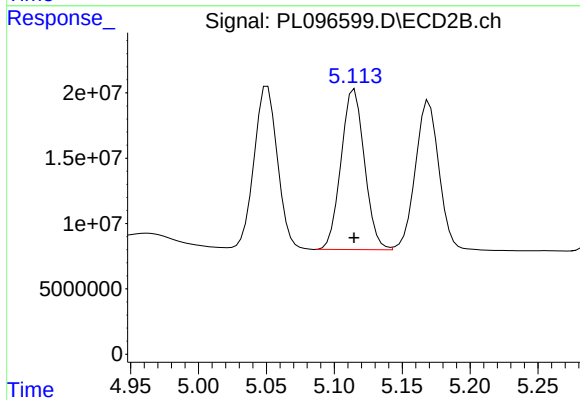
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 147883477
Conc: 25.07 ng/ml



#11 alpha-Chlordane

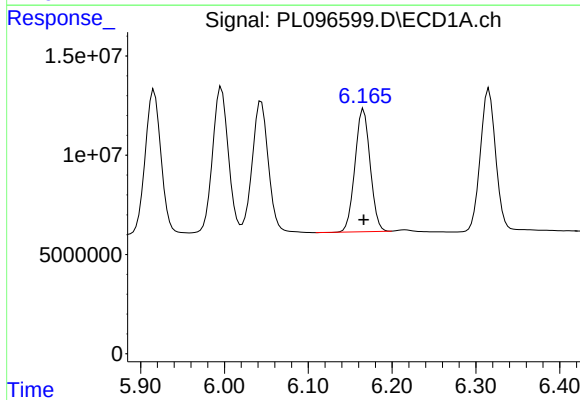
R.T.: 5.996 min
Delta R.T.: 0.000 min
Response: 96944619
Conc: 25.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



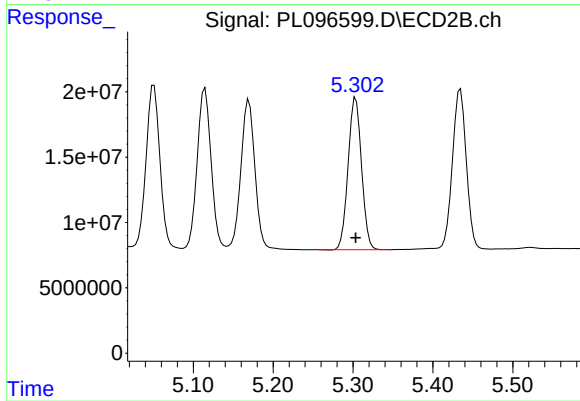
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 147407858
Conc: 25.41 ng/ml



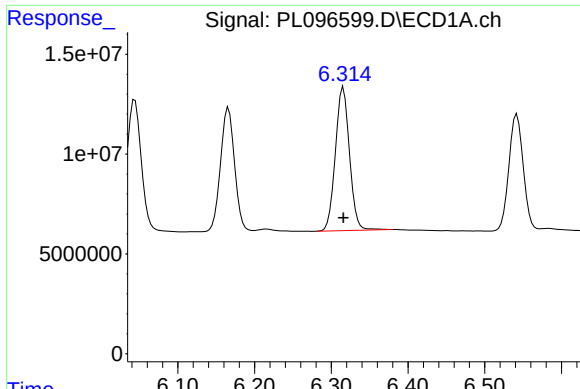
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 77835138
Conc: 24.73 ng/ml



#12 4,4'-DDE

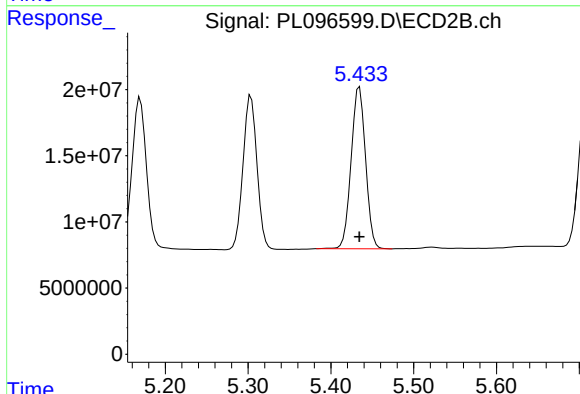
R.T.: 5.303 min
Delta R.T.: 0.000 min
Response: 135946511
Conc: 24.54 ng/ml



#13 Dieldrin

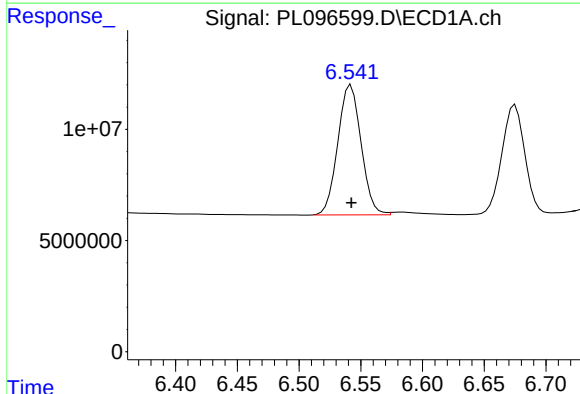
R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 91962286
Conc: 24.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



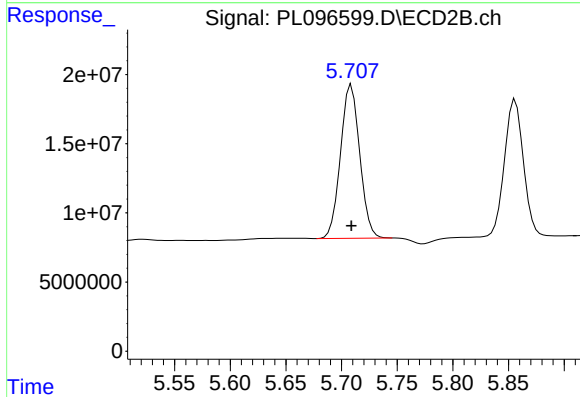
#13 Dieldrin

R.T.: 5.434 min
Delta R.T.: 0.000 min
Response: 148077198
Conc: 25.11 ng/ml



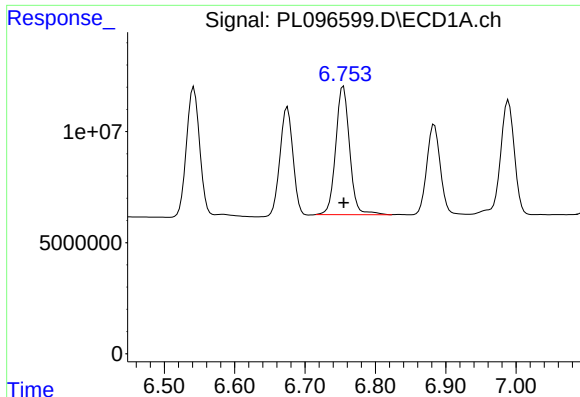
#14 Endrin

R.T.: 6.542 min
Delta R.T.: 0.000 min
Response: 76652120
Conc: 25.66 ng/ml



#14 Endrin

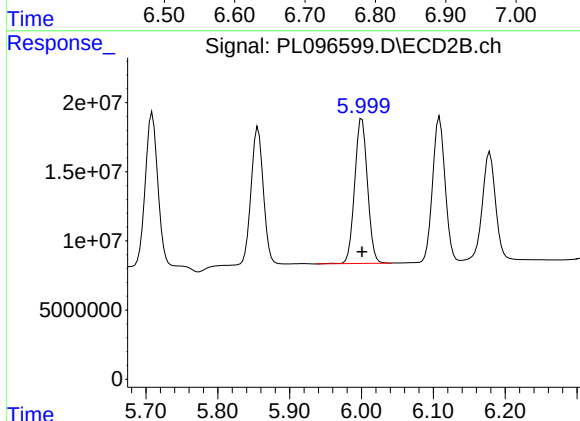
R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 133610110
Conc: 24.85 ng/ml



#15 Endosulfan II

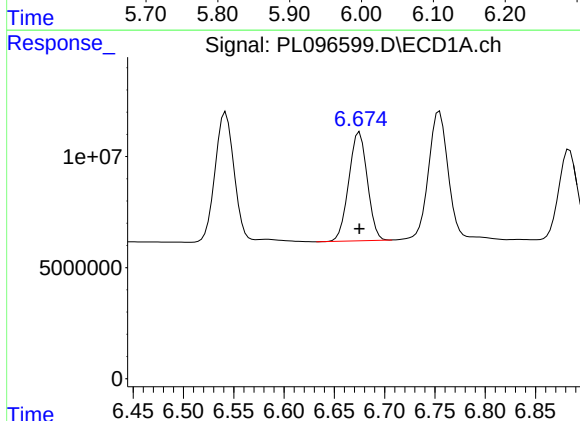
R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 79391270
Conc: 26.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



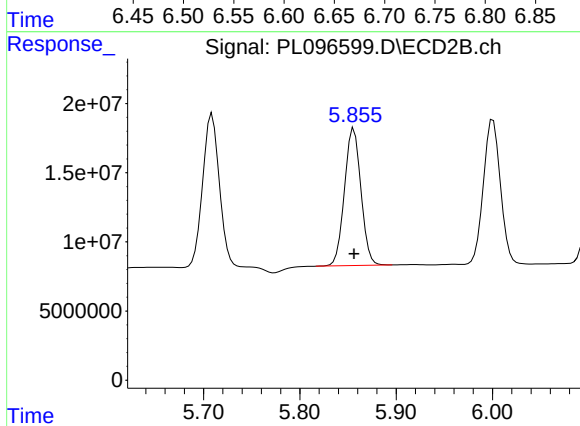
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: 0.000 min
Response: 129380147
Conc: 25.26 ng/ml



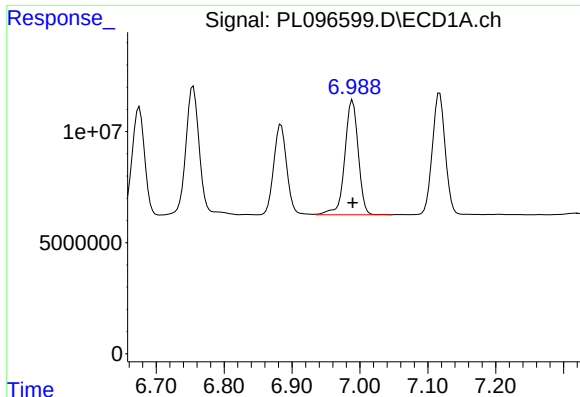
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: 0.000 min
Response: 62524397
Conc: 24.77 ng/ml



#16 4,4'-DDD

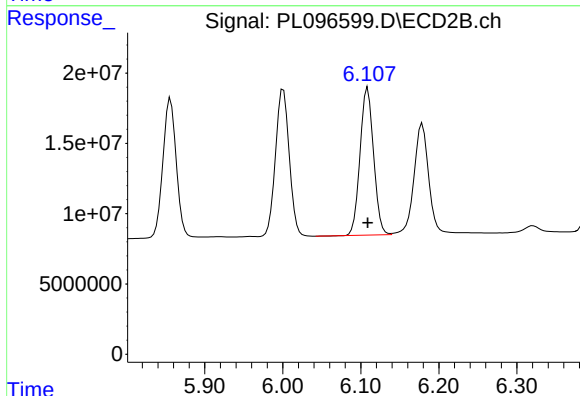
R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 117568590
Conc: 25.05 ng/ml



#17 4,4'-DDT

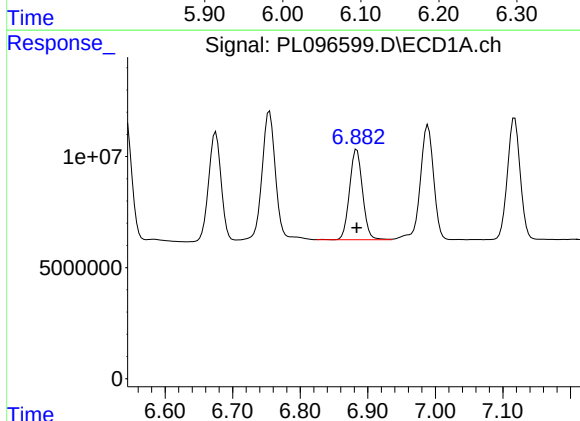
R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 70933756
Conc: 24.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



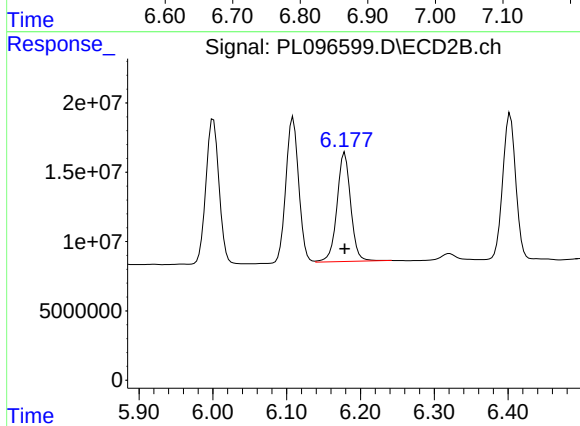
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 126146252
Conc: 24.65 ng/ml



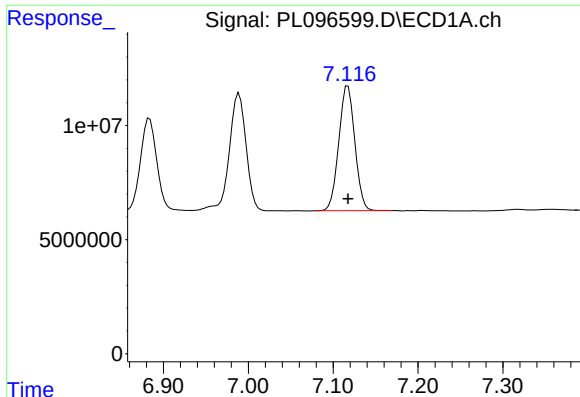
#18 Endrin aldehyde

R.T.: 6.884 min
Delta R.T.: 0.000 min
Response: 54110594
Conc: 25.46 ng/ml



#18 Endrin aldehyde

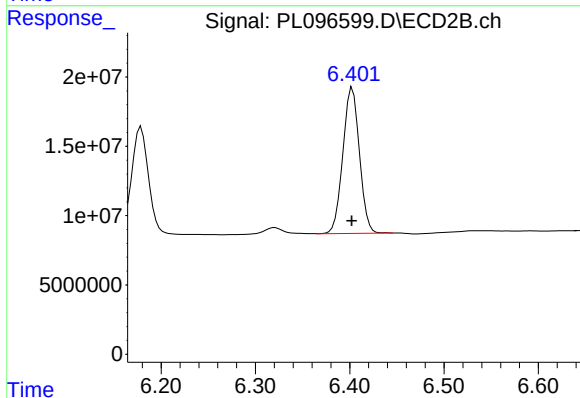
R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 101733323
Conc: 27.12 ng/ml



#19 Endosulfan Sulfate

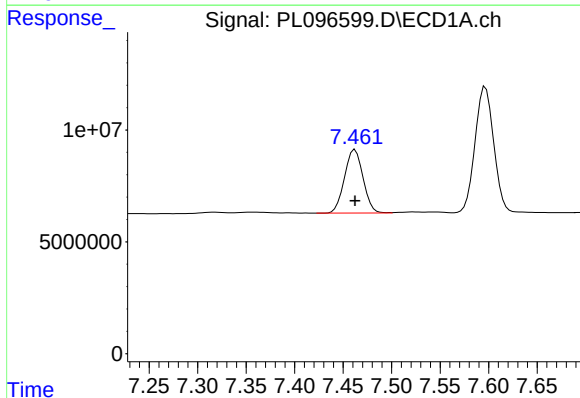
R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 71756969
Conc: 25.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



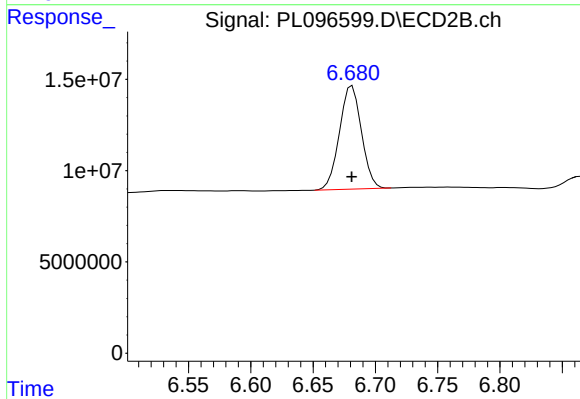
#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: 0.000 min
Response: 128398736
Conc: 25.36 ng/ml



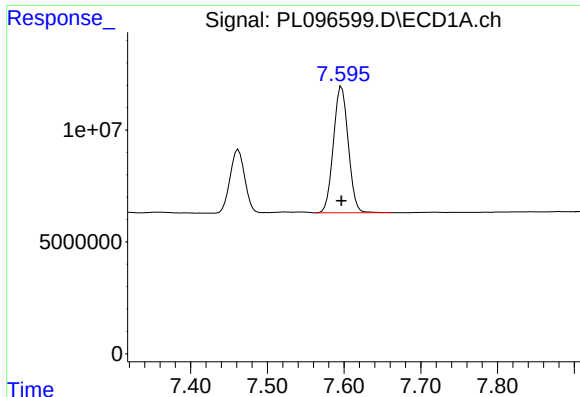
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 37688830
Conc: 25.50 ng/ml



#20 Methoxychlor

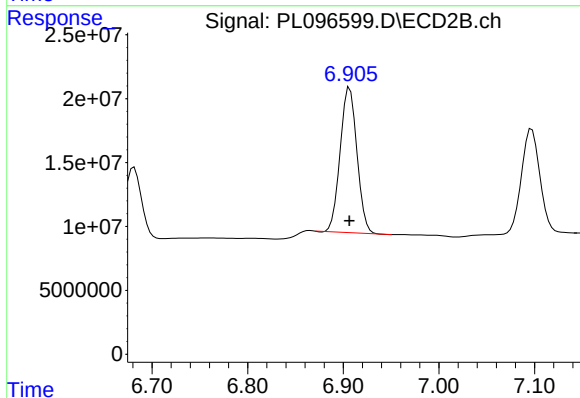
R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 69721101
Conc: 25.52 ng/ml



#21 Endrin ketone

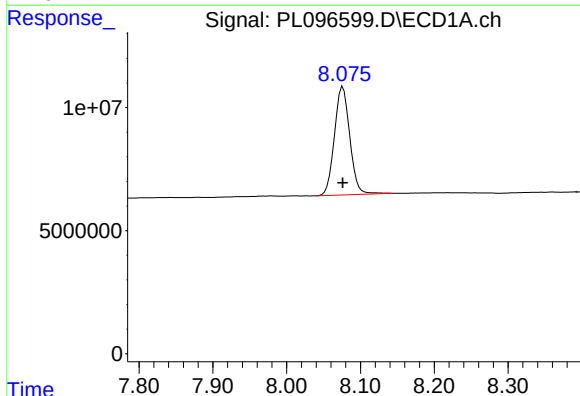
R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 75730573
Conc: 25.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



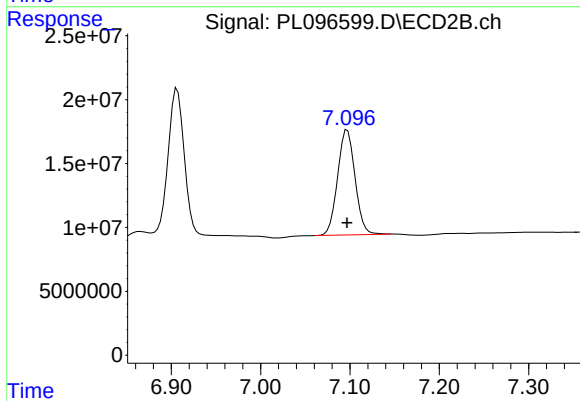
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 138475607
Conc: 25.04 ng/ml



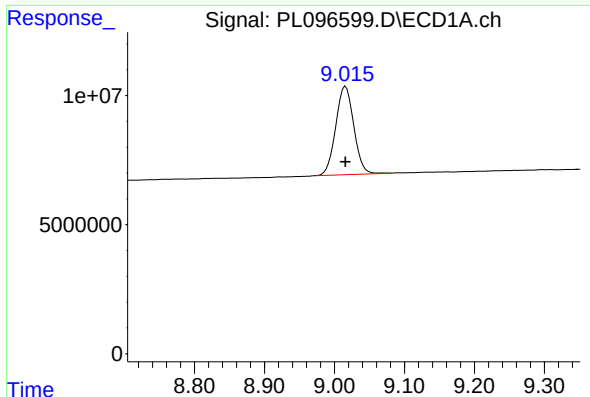
#22 Mirex

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 63693911
Conc: 26.12 ng/ml



#22 Mirex

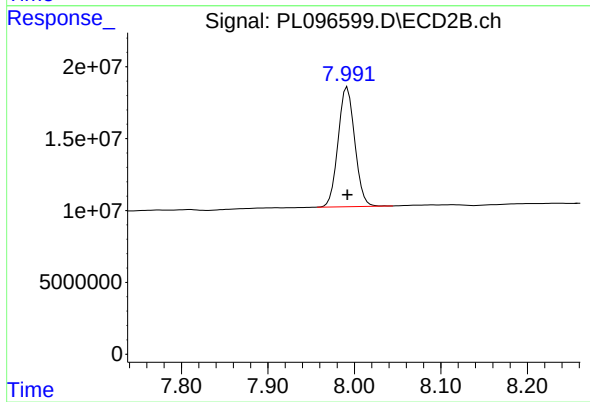
R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 111590978
Conc: 26.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: 0.000 min
Response: 61253778
Conc: 26.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 110748988
Conc: 26.22 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
 Data File : PL096600.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 17:47
 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 29 07:45:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 07:36:56 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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	16289913	24636469	5.193	5.207
28)	SA Decachlor...	9.016	7.992	13081800	24155779	5.647	5.719
Target Compounds							
2)	A alpha-BHC	3.981	3.333	21891026	33671129	4.713	4.718
3)	MA gamma-BHC...	4.310	3.664	21804234	32260997	4.966	4.863
4)	MA Heptachlor	4.902	4.013	22657647	33277461	5.487	4.998
5)	MB Aldrin	5.242	4.296	23335409	30546909	5.467	4.903
6)	B beta-BHC	4.497	3.961	9319336	14886777	5.233	5.350
7)	B delta-BHC	4.742	4.194	19209773	31362311	4.828	4.829
8)	B Heptachlo...	5.662	4.798	21916244	28926139	5.697	5.076
9)	A Endosulfan I	6.043	5.169	18404240	30432392	5.204	5.675
10)	B gamma-Chl...	5.915	5.050	18527805	28851412	4.875	4.891
11)	B alpha-Chl...	5.996	5.115	19648624	31301796	5.168	5.397
12)	B 4,4'-DDE	6.165	5.303	16169148	26895387	5.138	4.854
13)	MA Dieldrin	6.315	5.434	17886564	29267822	4.817	4.962
14)	MA Endrin	6.541	5.709	14803966	27745055	4.957	5.161
15)	B Endosulfa...	6.754	6.000	16262556	26018008	5.345	5.079
16)	A 4,4'-DDD	6.674	5.856	12297723	23708739	4.873	5.052
17)	MA 4,4'-DDT	6.989	6.108	13672011	24000169	4.739	4.689
18)	B Endrin al...	6.884	6.178	11040304	29990732	5.195	7.995 #
19)	B Endosulfa...	7.117	6.402	14782385	26237528	5.184	5.182
20)	A Methoxychlor	7.462	6.681	7310793	14153462	4.946	5.181
21)	B Endrin ke...	7.597	6.907	15006830	27568439	4.996	4.986
22)	Mirex	8.076	7.097	13350221	24190284	5.474	5.686

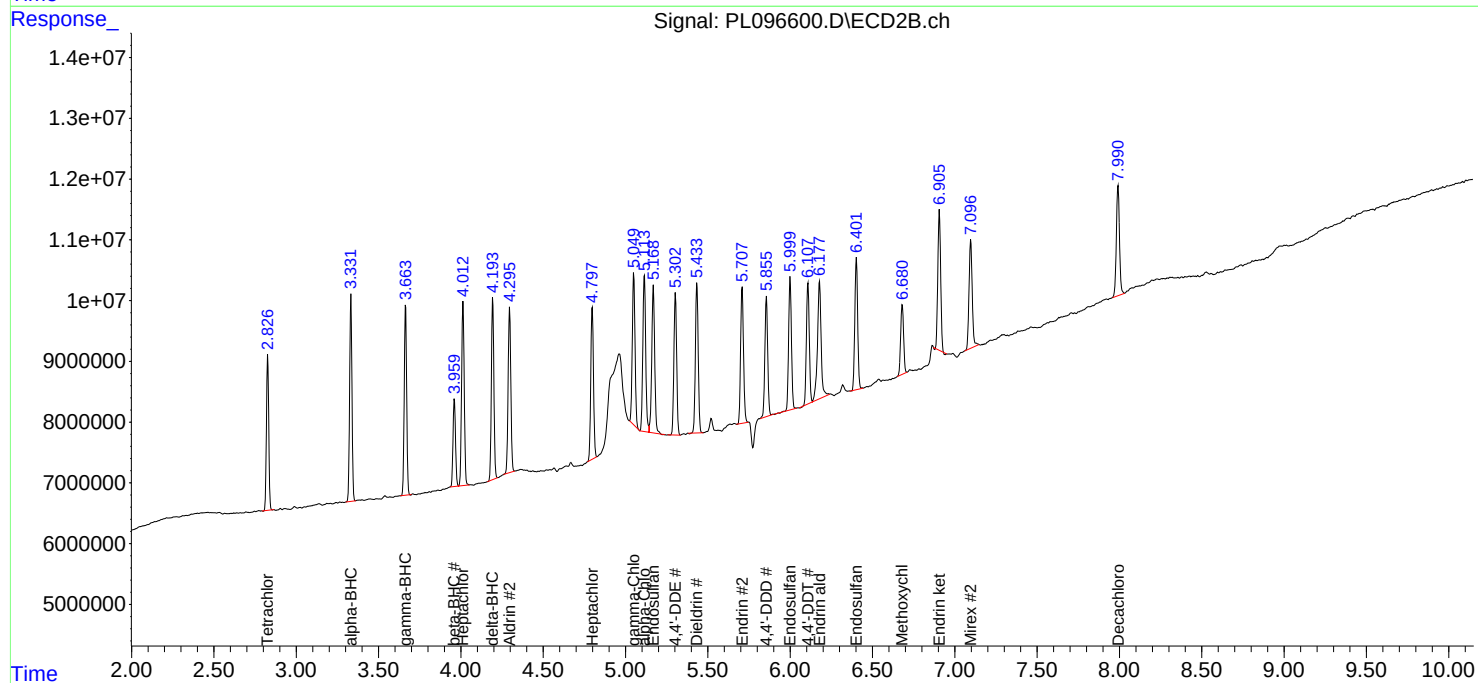
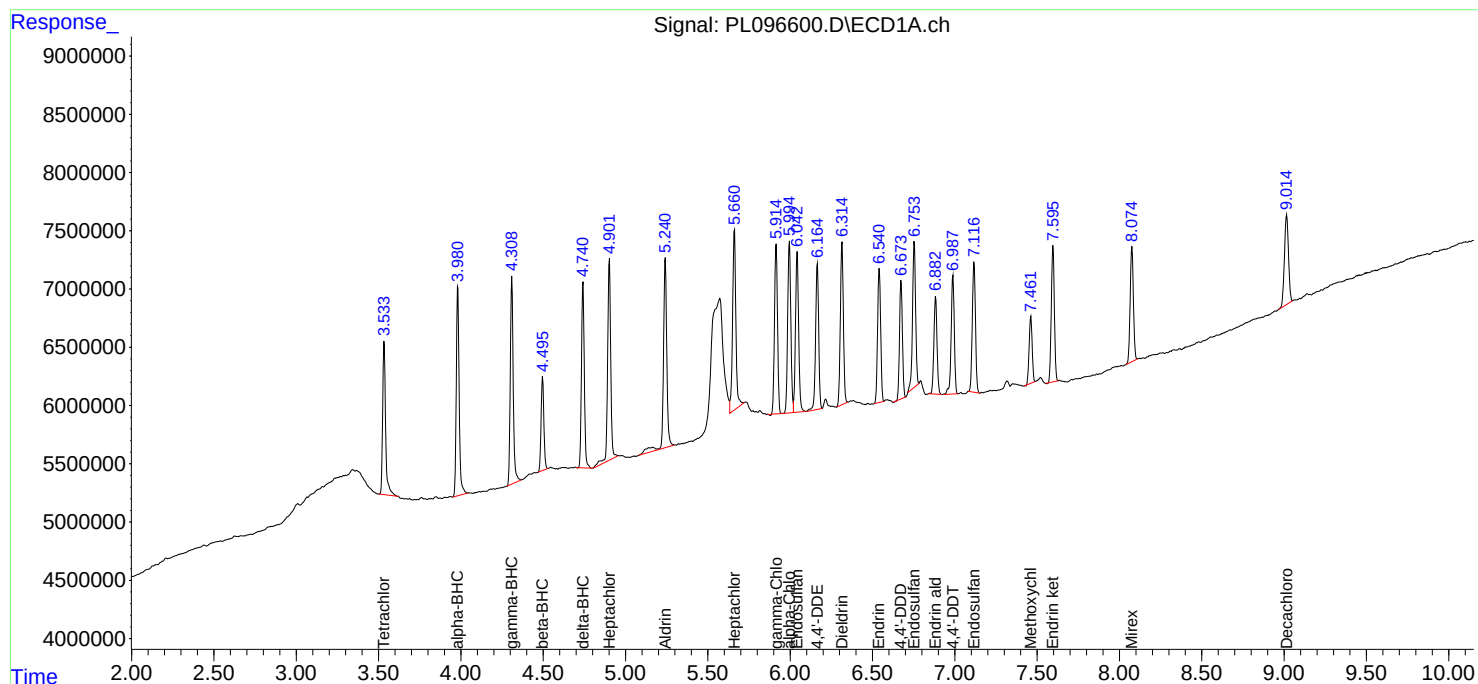
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

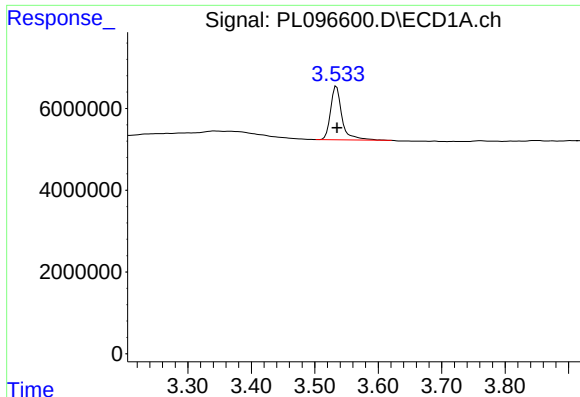
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:47
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 07:45:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 07:36:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

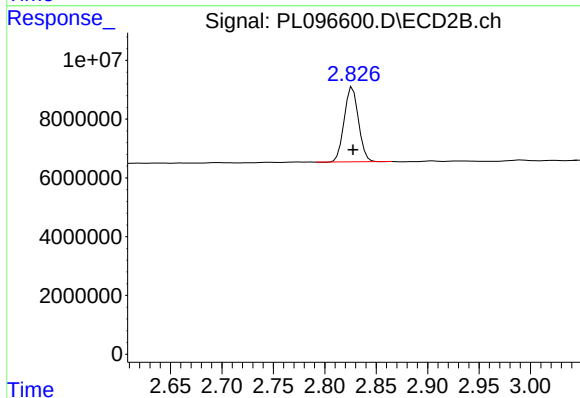




#1 Tetrachloro-m-xylene

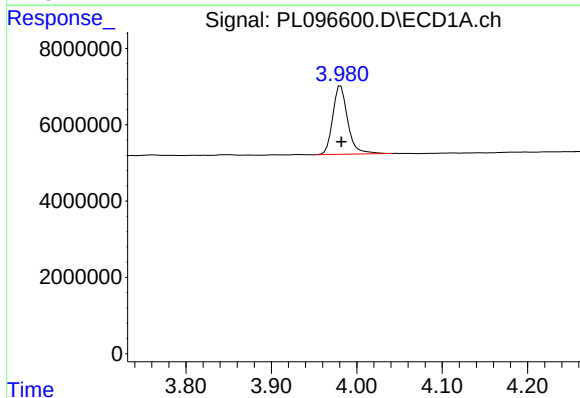
R.T.: 3.534 min
Delta R.T.: 0.000 min
Response: 16289913
Conc: 5.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



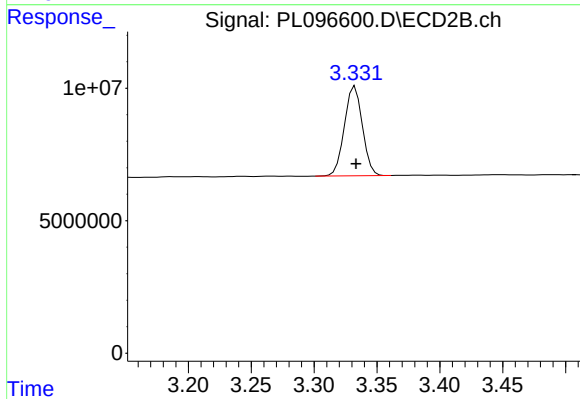
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: 0.000 min
Response: 24636469
Conc: 5.21 ng/ml



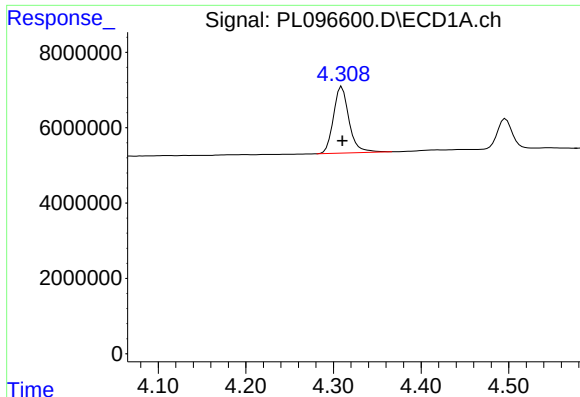
#2 alpha-BHC

R.T.: 3.981 min
Delta R.T.: 0.000 min
Response: 21891026
Conc: 4.71 ng/ml



#2 alpha-BHC

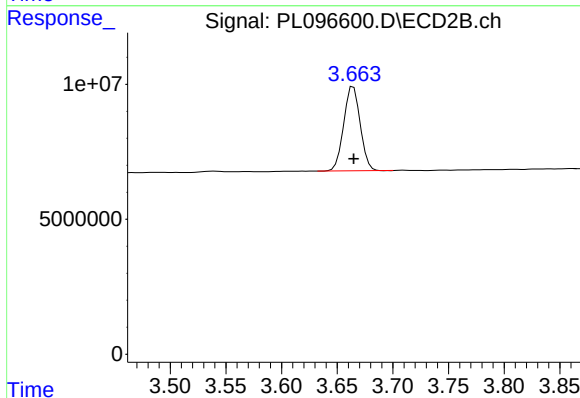
R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 33671129
Conc: 4.72 ng/ml



#3 gamma-BHC (Lindane)

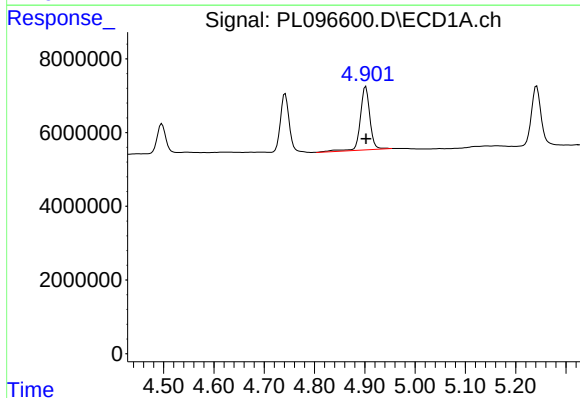
R.T.: 4.310 min
Delta R.T.: 0.000 min
Response: 21804234
Conc: 4.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



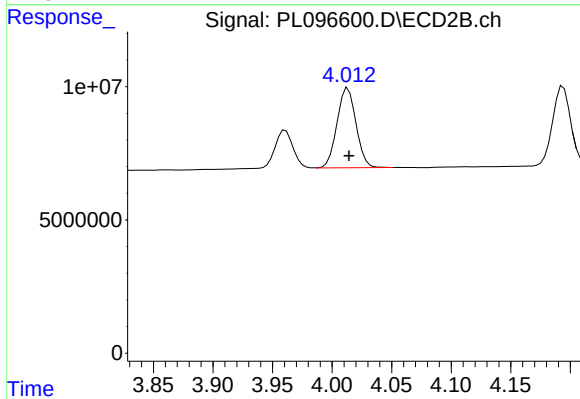
#3 gamma-BHC (Lindane)

R.T.: 3.664 min
Delta R.T.: 0.000 min
Response: 32260997
Conc: 4.86 ng/ml



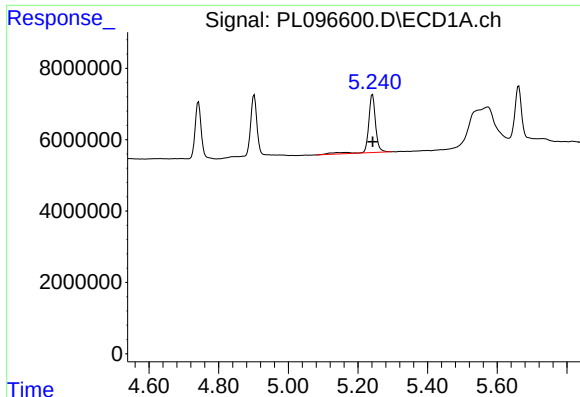
#4 Heptachlor

R.T.: 4.902 min
Delta R.T.: 0.000 min
Response: 22657647
Conc: 5.49 ng/ml



#4 Heptachlor

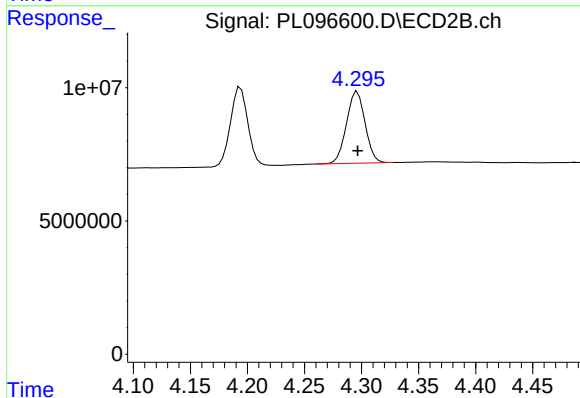
R.T.: 4.013 min
Delta R.T.: 0.000 min
Response: 33277461
Conc: 5.00 ng/ml



#5 Aldrin

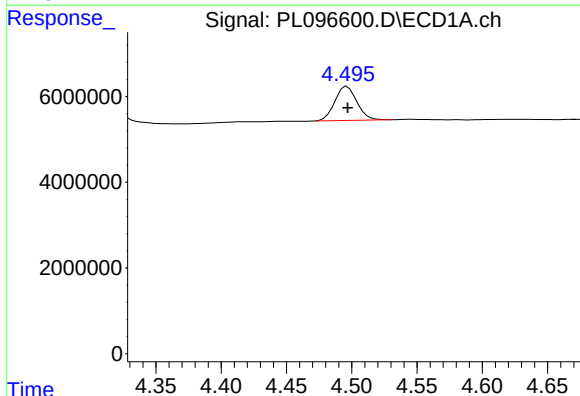
R.T.: 5.242 min
Delta R.T.: -0.001 min
Response: 23335409
Conc: 5.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



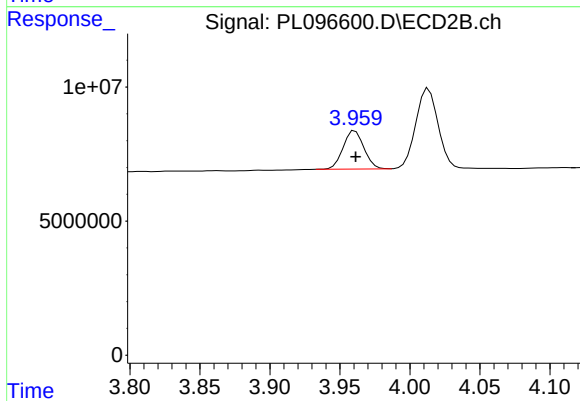
#5 Aldrin

R.T.: 4.296 min
Delta R.T.: 0.000 min
Response: 30546909
Conc: 4.90 ng/ml



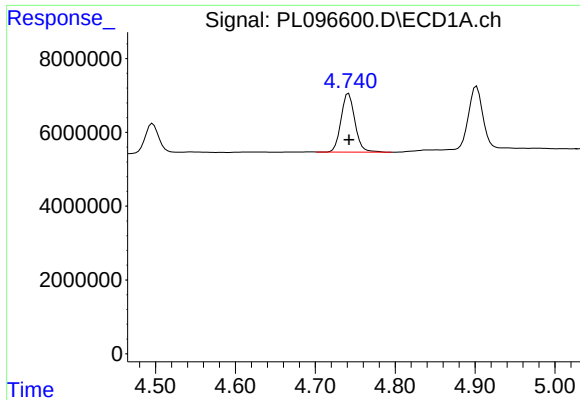
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: 0.000 min
Response: 9319336
Conc: 5.23 ng/ml



#6 beta-BHC

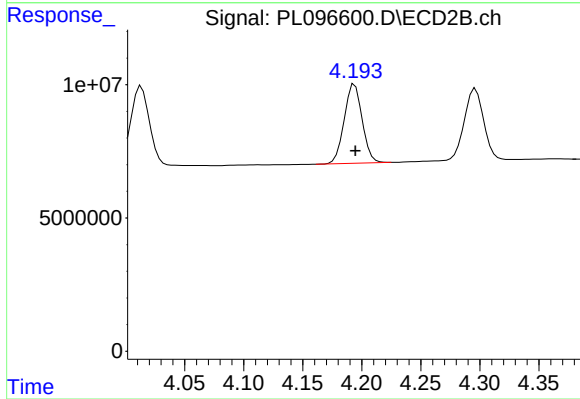
R.T.: 3.961 min
Delta R.T.: 0.000 min
Response: 14886777
Conc: 5.35 ng/ml



#7 delta-BHC

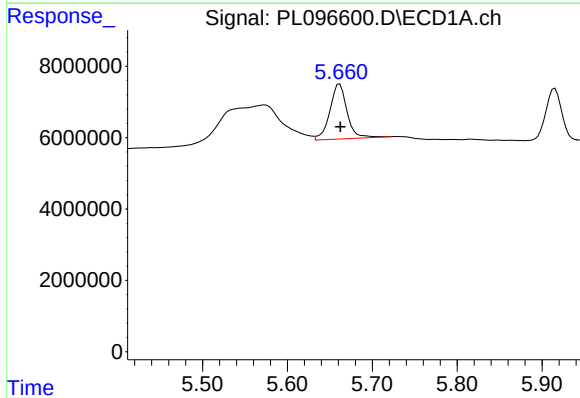
R.T.: 4.742 min
Delta R.T.: 0.000 min
Response: 19209773
Conc: 4.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



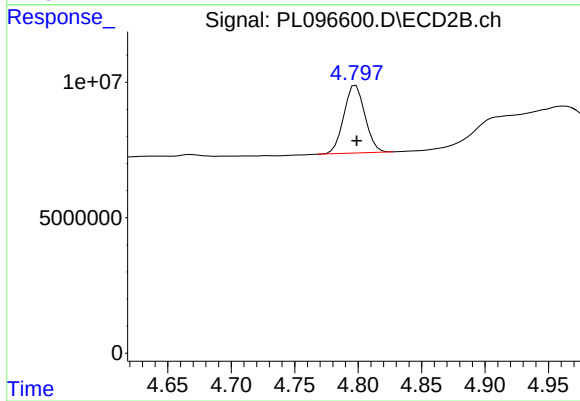
#7 delta-BHC

R.T.: 4.194 min
Delta R.T.: 0.000 min
Response: 31362311
Conc: 4.83 ng/ml



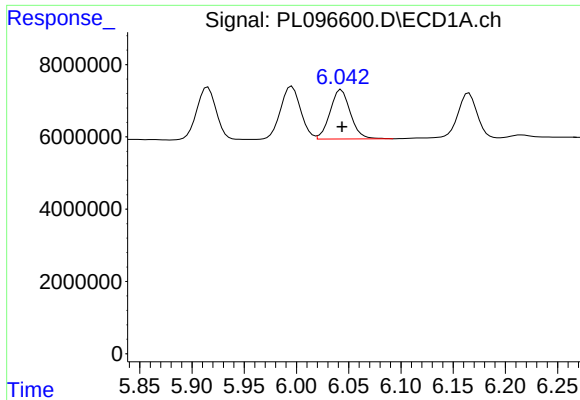
#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: 0.000 min
Response: 21916244
Conc: 5.70 ng/ml



#8 Heptachlor epoxide

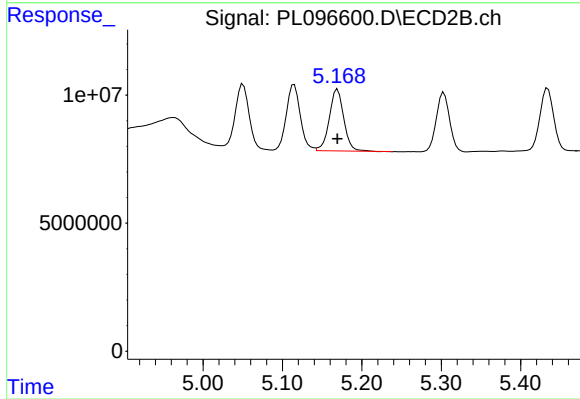
R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 28926139
Conc: 5.08 ng/ml



#9 Endosulfan I

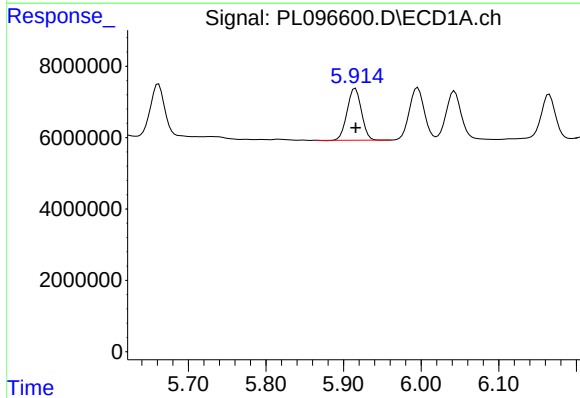
R.T.: 6.043 min
Delta R.T.: 0.000 min
Response: 18404240
Conc: 5.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



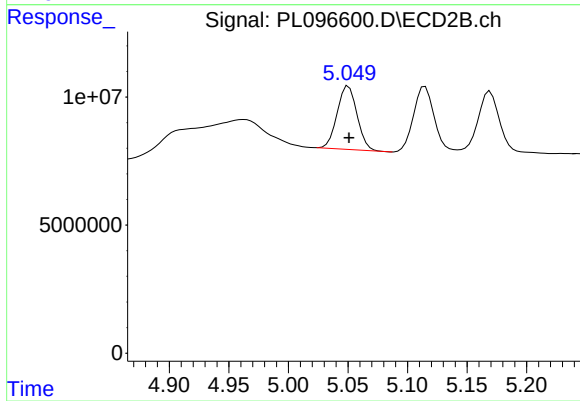
#9 Endosulfan I

R.T.: 5.169 min
Delta R.T.: 0.000 min
Response: 30432392
Conc: 5.67 ng/ml



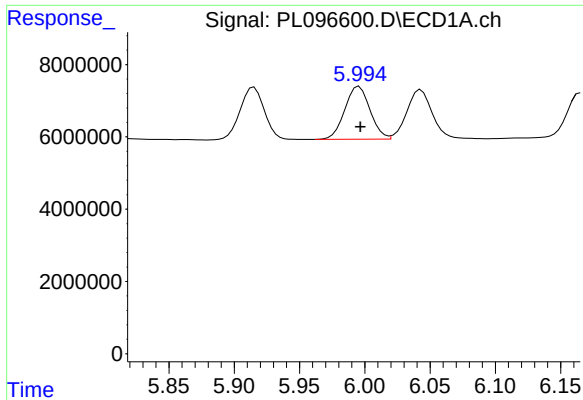
#10 gamma-Chlordane

R.T.: 5.915 min
Delta R.T.: 0.000 min
Response: 18527805
Conc: 4.87 ng/ml



#10 gamma-Chlordane

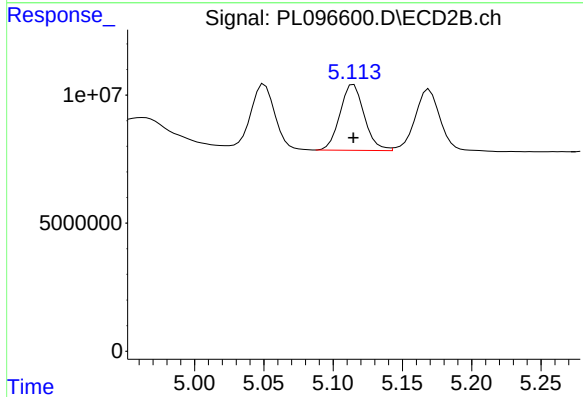
R.T.: 5.050 min
Delta R.T.: 0.000 min
Response: 28851412
Conc: 4.89 ng/ml



#11 alpha-Chlordane

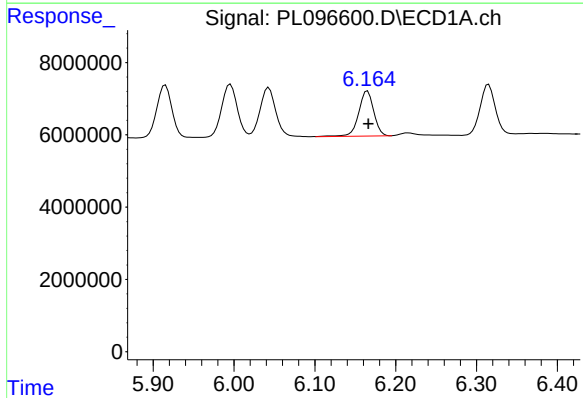
R.T.: 5.996 min
Delta R.T.: 0.000 min
Response: 19648624
Conc: 5.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



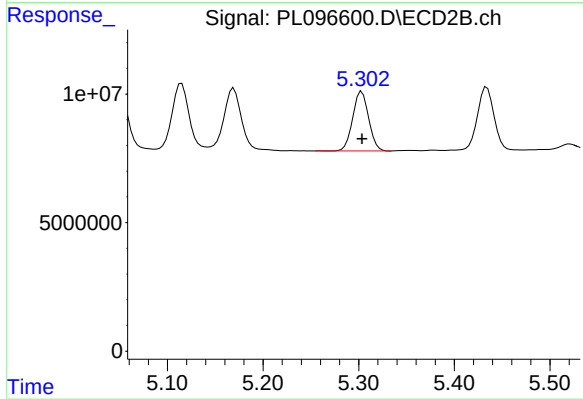
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 31301796
Conc: 5.40 ng/ml



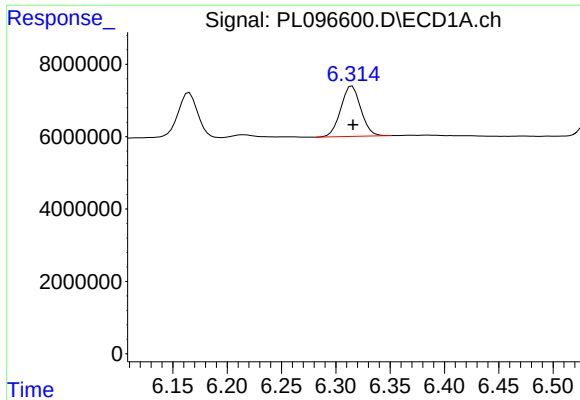
#12 4,4'-DDE

R.T.: 6.165 min
Delta R.T.: 0.000 min
Response: 16169148
Conc: 5.14 ng/ml



#12 4,4'-DDE

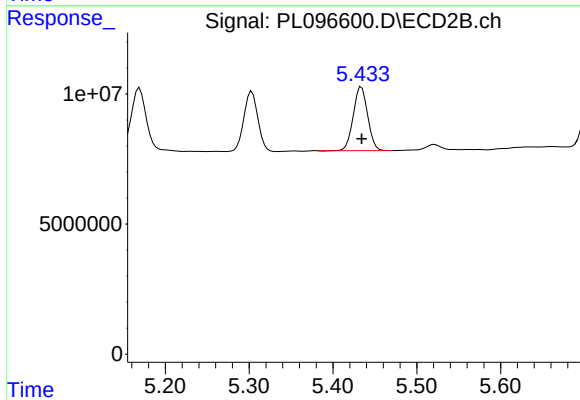
R.T.: 5.303 min
Delta R.T.: 0.000 min
Response: 26895387
Conc: 4.85 ng/ml



#13 Dieldrin

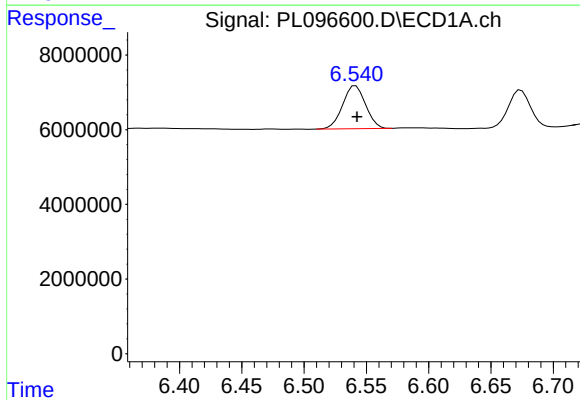
R.T.: 6.315 min
Delta R.T.: 0.000 min
Response: 17886564
Conc: 4.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



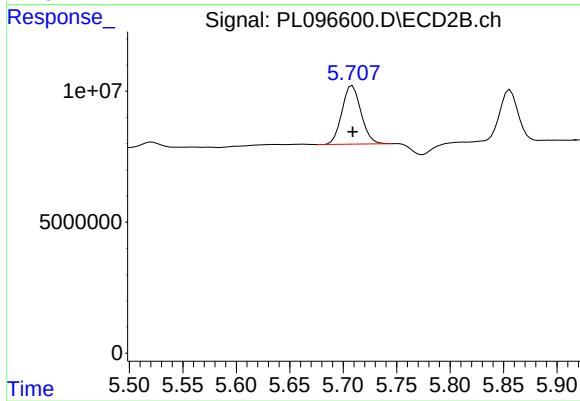
#13 Dieldrin

R.T.: 5.434 min
Delta R.T.: 0.000 min
Response: 29267822
Conc: 4.96 ng/ml



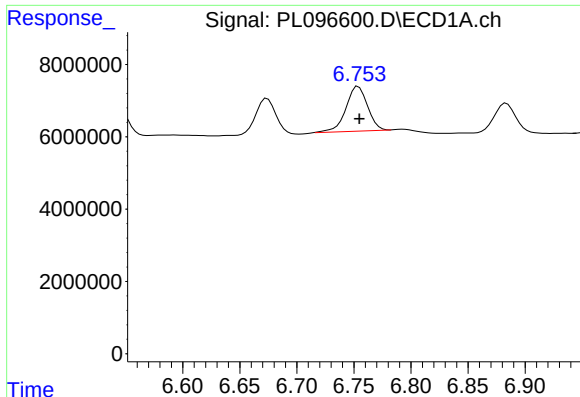
#14 Endrin

R.T.: 6.541 min
Delta R.T.: -0.001 min
Response: 14803966
Conc: 4.96 ng/ml



#14 Endrin

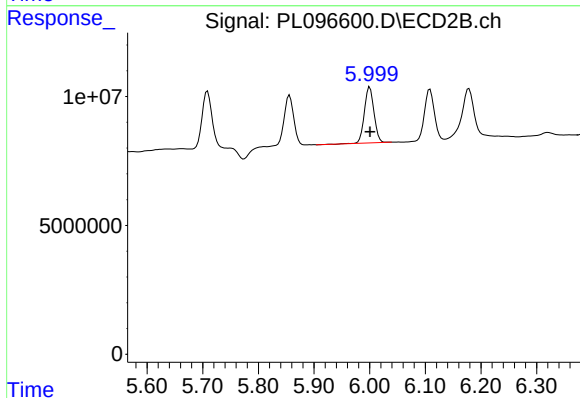
R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 27745055
Conc: 5.16 ng/ml



#15 Endosulfan II

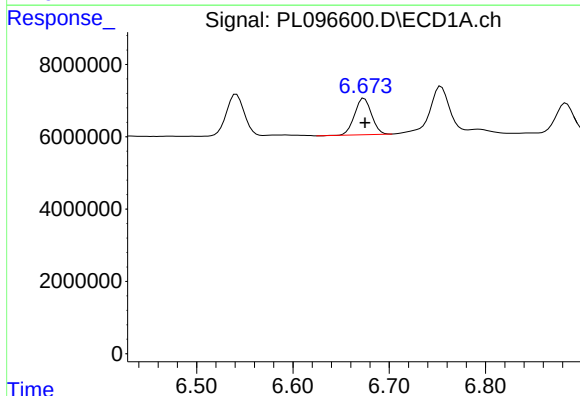
R.T.: 6.754 min
Delta R.T.: -0.001 min
Response: 16262556
Conc: 5.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



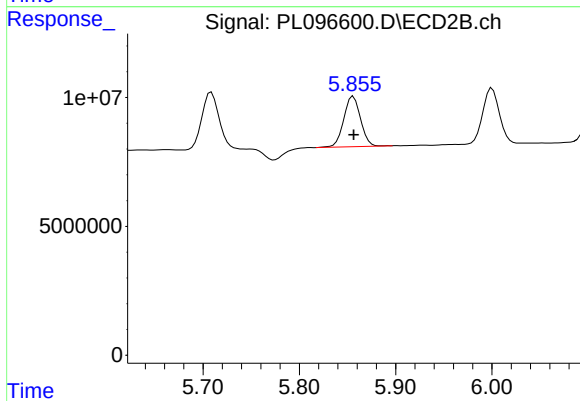
#15 Endosulfan II

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 26018008
Conc: 5.08 ng/ml



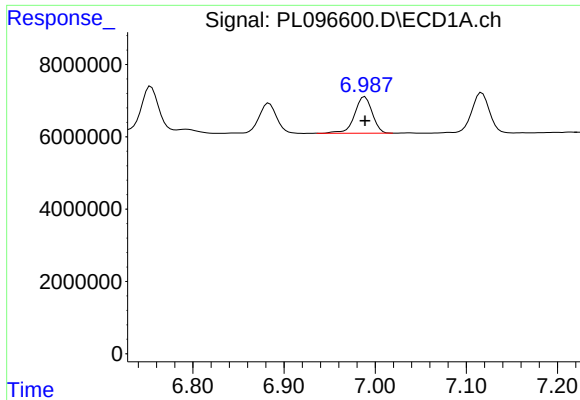
#16 4,4'-DDD

R.T.: 6.674 min
Delta R.T.: 0.000 min
Response: 12297723
Conc: 4.87 ng/ml



#16 4,4'-DDD

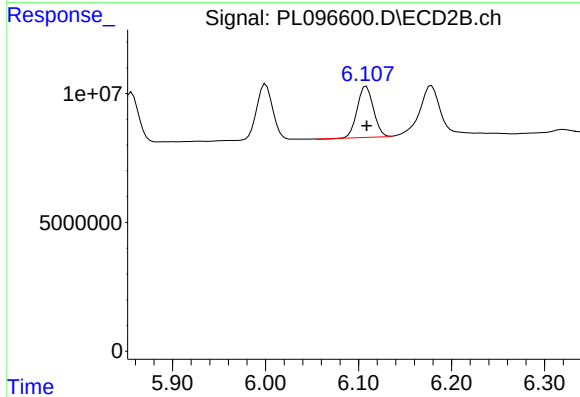
R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 23708739
Conc: 5.05 ng/ml



#17 4,4'-DDT

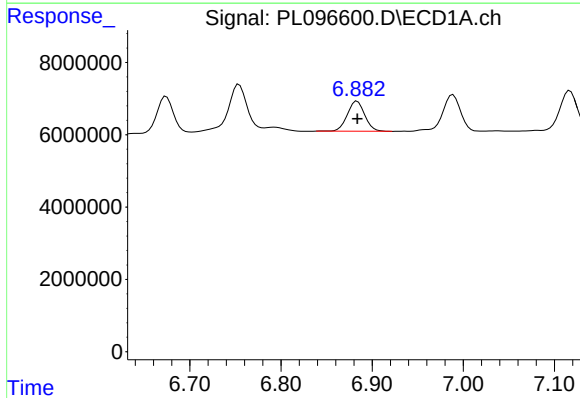
R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 13672011
Conc: 4.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



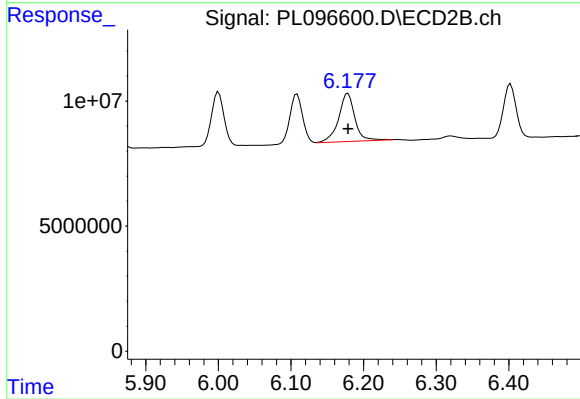
#17 4,4'-DDT

R.T.: 6.108 min
Delta R.T.: 0.000 min
Response: 24000169
Conc: 4.69 ng/ml



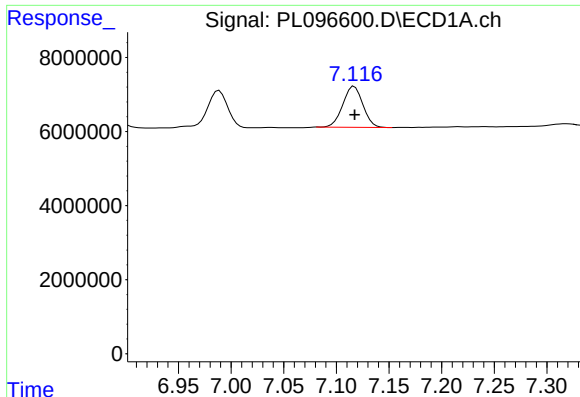
#18 Endrin aldehyde

R.T.: 6.884 min
Delta R.T.: 0.000 min
Response: 11040304
Conc: 5.20 ng/ml



#18 Endrin aldehyde

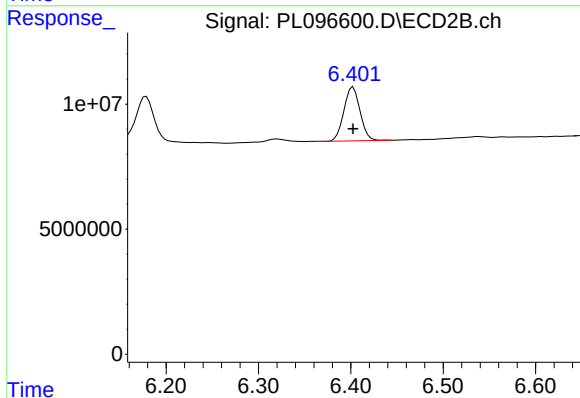
R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 29990732
Conc: 7.99 ng/ml



#19 Endosulfan Sulfate

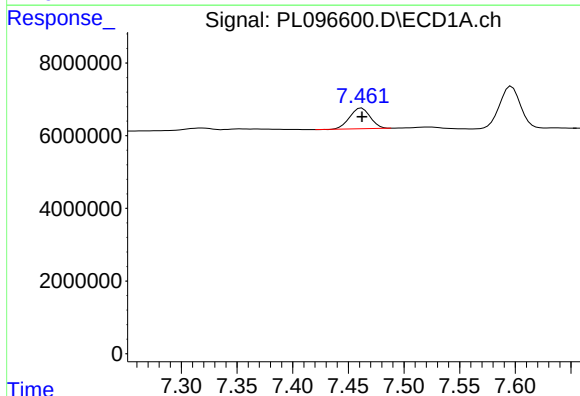
R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 14782385
Conc: 5.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



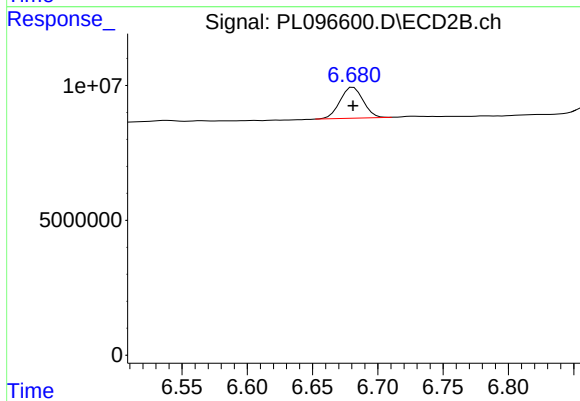
#19 Endosulfan Sulfate

R.T.: 6.402 min
Delta R.T.: 0.000 min
Response: 26237528
Conc: 5.18 ng/ml



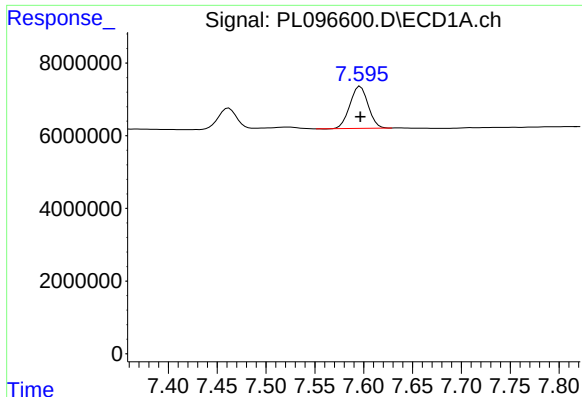
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 7310793
Conc: 4.95 ng/ml



#20 Methoxychlor

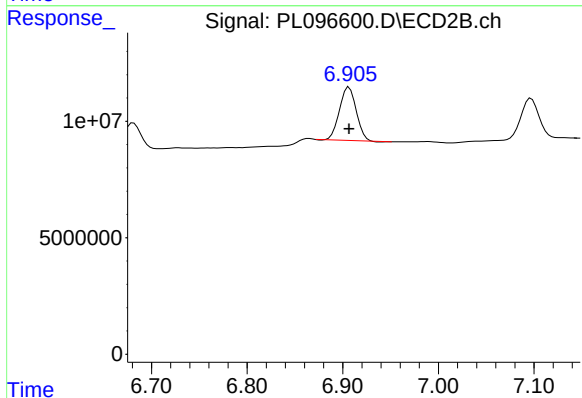
R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 14153462
Conc: 5.18 ng/ml



#21 Endrin ketone

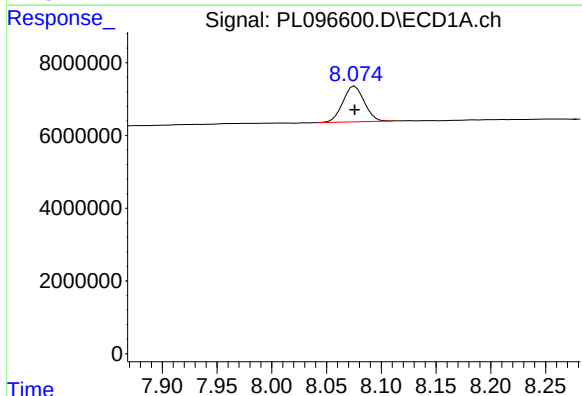
R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 15006830
Conc: 5.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



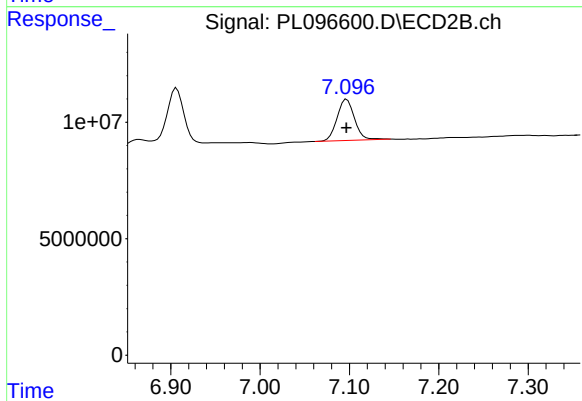
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 27568439
Conc: 4.99 ng/ml



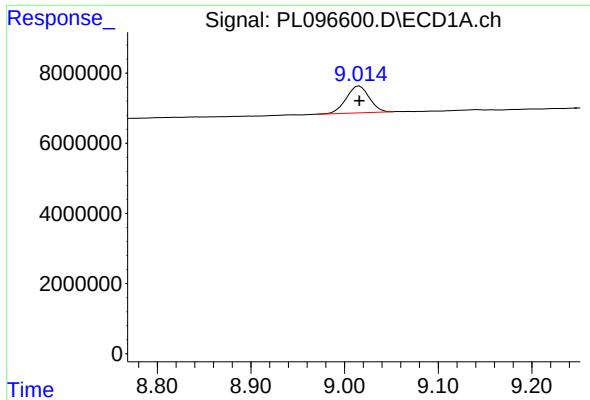
#22 Mirex

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 13350221
Conc: 5.47 ng/ml



#22 Mirex

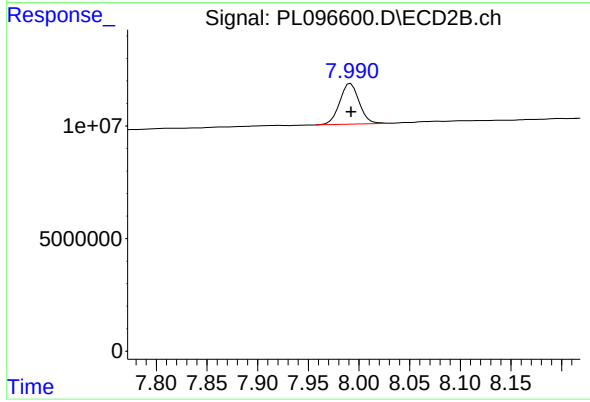
R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 24190284
Conc: 5.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.016 min
Delta R.T.: 0.000 min
Response: 13081800
Conc: 5.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 24155779
Conc: 5.72 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
 Data File : PL096611.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jul 2025 20:17
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL072825

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 29 08:47:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:20:04 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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	161.0E6	247.3E6	50.630	51.756
28)	SA Decachlor...	9.015	7.992	117.1E6	221.9E6	49.100	51.159
Target Compounds							
2)	A alpha-BHC	3.983	3.334	237.2E6	373.0E6	51.282	52.705
3)	MA gamma-BHC...	4.311	3.666	223.6E6	346.0E6	50.545	52.400
4)	MA Heptachlor	4.903	4.014	211.3E6	346.4E6	50.843	51.992
5)	MB Aldrin	5.243	4.297	215.6E6	324.1E6	50.122	52.220
6)	B beta-BHC	4.497	3.961	91859349	145.4E6	50.893	51.555
7)	B delta-BHC	0.000	4.195	0	338.7E6	N.D.	52.325 #
8)	B Heptachlo...	5.662	4.799	194.2E6	295.6E6	50.346	51.754
9)	A Endosulfan I	6.044	5.170	178.4E6	277.2E6	49.613	50.116
10)	B gamma-Chl...	5.916	5.051	193.4E6	305.7E6	50.837	51.997
11)	B alpha-Chl...	5.996	5.115	191.7E6	300.1E6	49.735	50.869
12)	B 4,4'-DDE	6.166	5.304	158.1E6	286.3E6	49.223	51.924
13)	MA Dieldrin	6.316	5.435	186.8E6	306.3E6	50.341	51.858
14)	MA Endrin	6.543	5.709	147.3E6	272.8E6	48.674	50.462
15)	B Endosulfa...	6.755	6.001	158.8E6	265.2E6	49.582	51.632
16)	A 4,4'-DDD	6.675	5.856	126.9E6	242.0E6	50.209	51.423
17)	MA 4,4'-DDT	6.989	6.109	144.5E6	261.7E6	50.400	51.730
18)	B Endrin al...	6.883	6.179	108.5E6	197.4E6	50.570	53.386
19)	B Endosulfa...	7.117	6.402	143.9E6	262.8E6	50.068	51.670
20)	A Methoxychlor	7.462	6.681	74330342	140.5E6	50.622	51.276
21)	B Endrin ke...	7.597	6.907	153.3E6	289.7E6	50.977	52.006
22)	Mirex	8.076	7.097	123.5E6	221.2E6	49.793	50.730
24)	Chlordane-2	5.243f	0.000	215.6E6	0	1231.798	N.D. #
25)	Chlordane-3	5.916	5.051	193.4E6	305.7E6	289.617	439.735 #
26)	Chlordane-4	5.996	5.115	191.7E6	300.1E6	231.618	482.173 #
27)	Chlordane-5	0.000	6.001	0	265.2E6	N.D.	1039.524 #

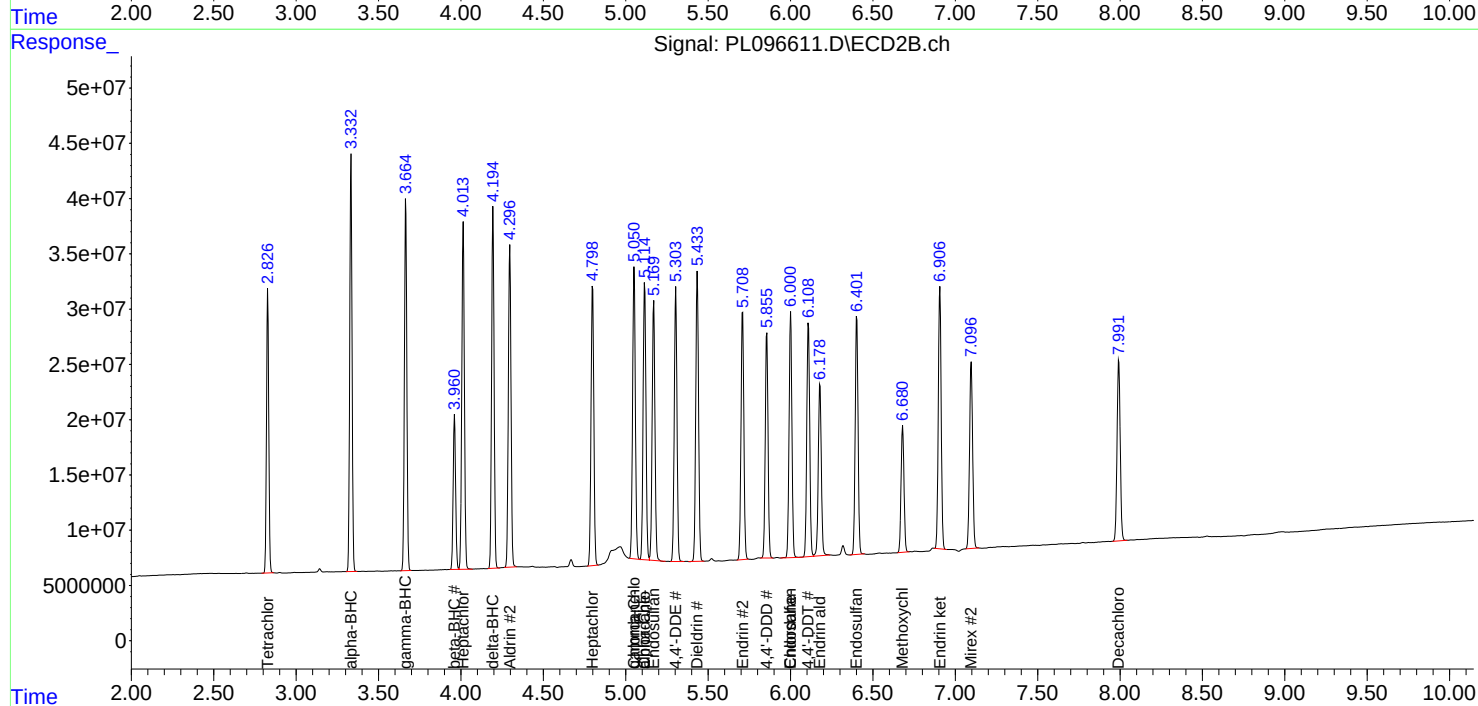
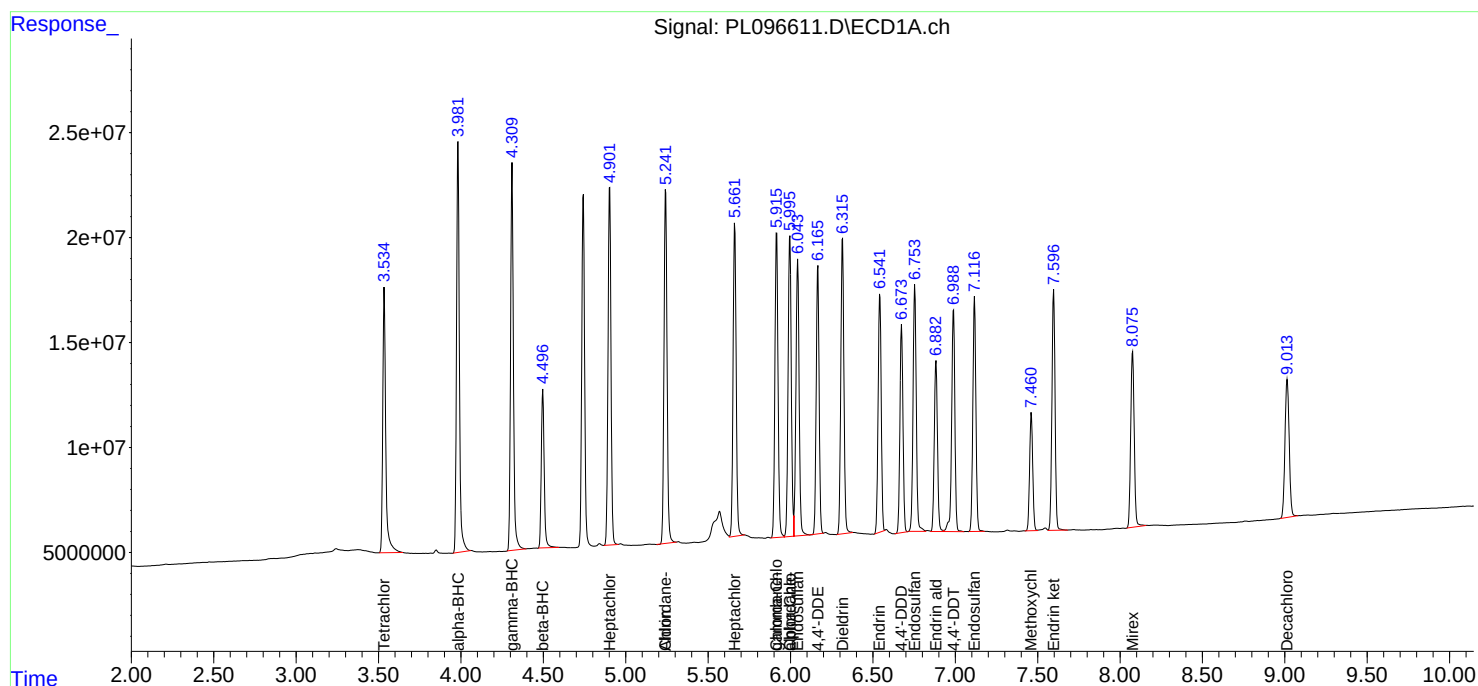
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

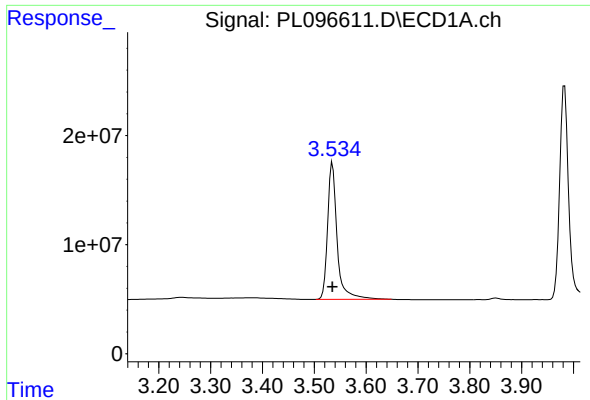
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 20:17
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 29 08:47:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:20:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

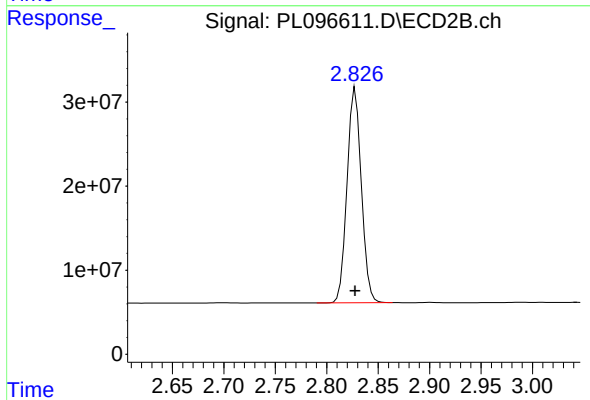




#1 Tetrachloro-m-xylene

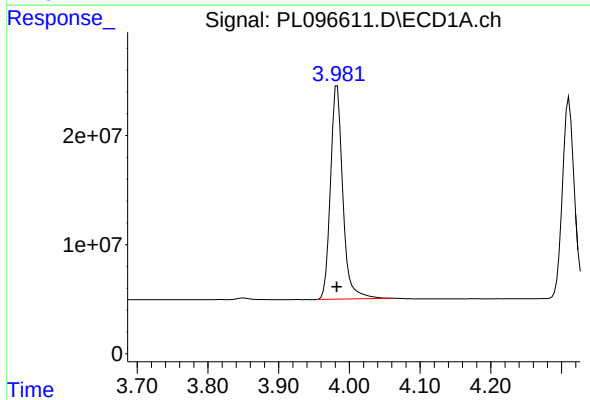
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 161043183
Conc: 50.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



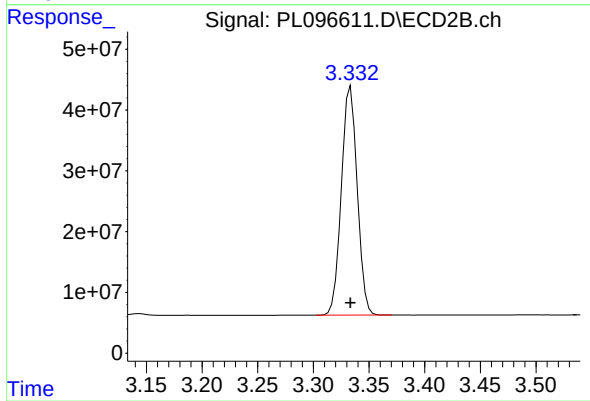
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 247278851
Conc: 51.76 ng/ml



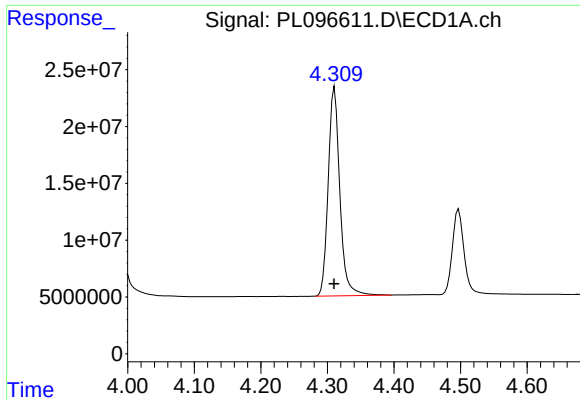
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 237249143
Conc: 51.28 ng/ml



#2 alpha-BHC

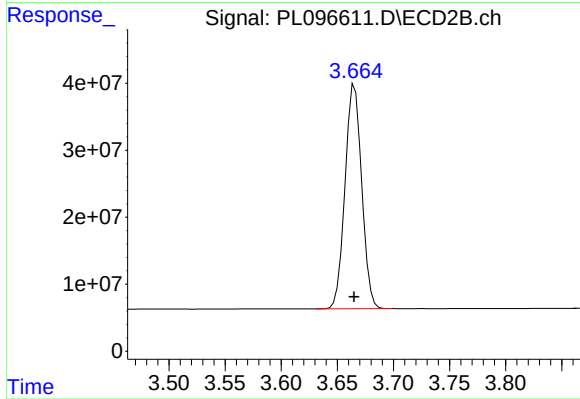
R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 372995453
Conc: 52.71 ng/ml



#3 gamma-BHC (Lindane)

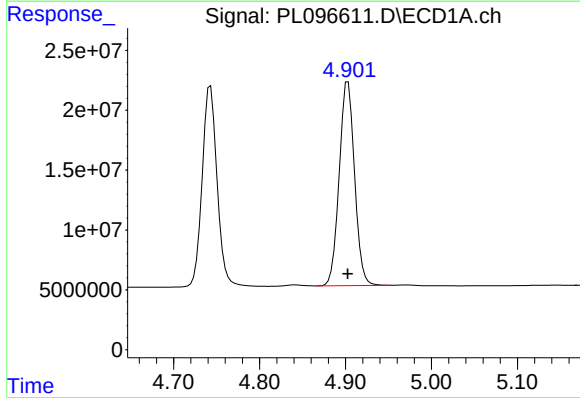
R.T.: 4.311 min
Delta R.T.: 0.000 min
Response: 223584100
Conc: 50.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



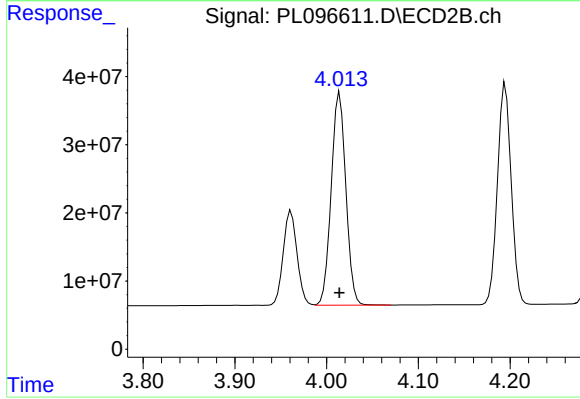
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 346014885
Conc: 52.40 ng/ml



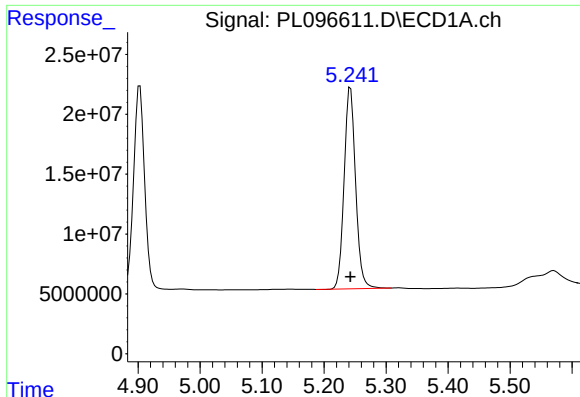
#4 Heptachlor

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 211285693
Conc: 50.84 ng/ml



#4 Heptachlor

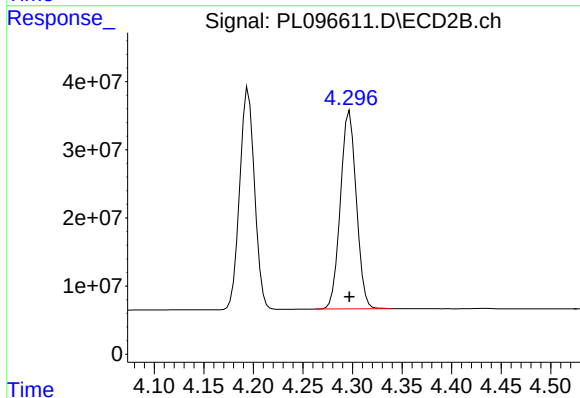
R.T.: 4.014 min
Delta R.T.: 0.000 min
Response: 346369326
Conc: 51.99 ng/ml



#5 Aldrin

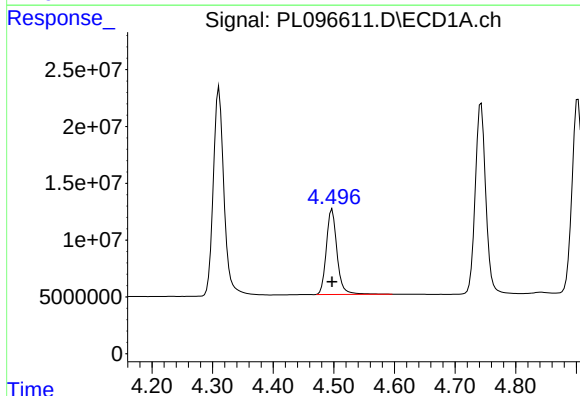
R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 215573068
Conc: 50.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



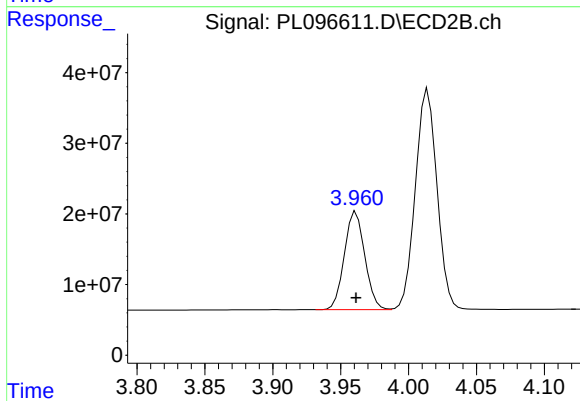
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: 0.000 min
Response: 324132499
Conc: 52.22 ng/ml



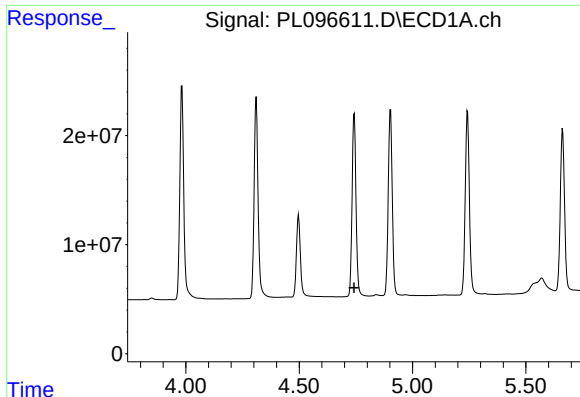
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: 0.000 min
Response: 91859349
Conc: 50.89 ng/ml



#6 beta-BHC

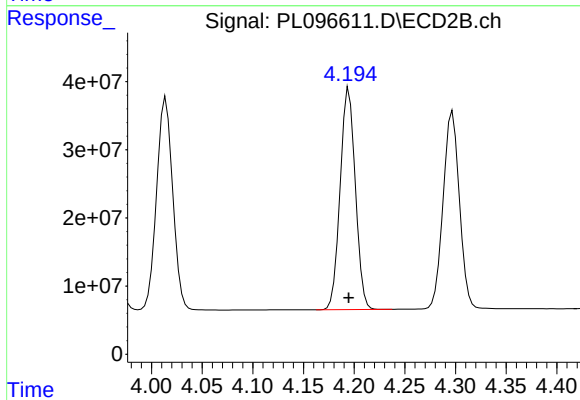
R.T.: 3.961 min
Delta R.T.: 0.000 min
Response: 145431130
Conc: 51.55 ng/ml



#7 delta-BHC

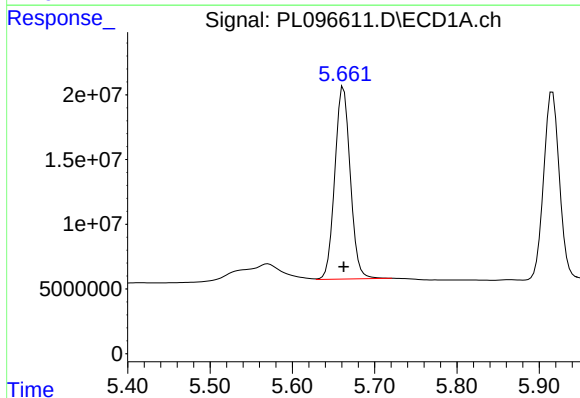
R.T.: 0.000 min
Exp R.T.: 4.743 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



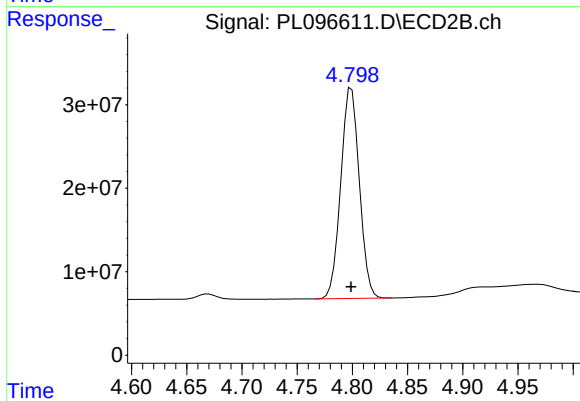
#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 338731728
Conc: 52.32 ng/ml



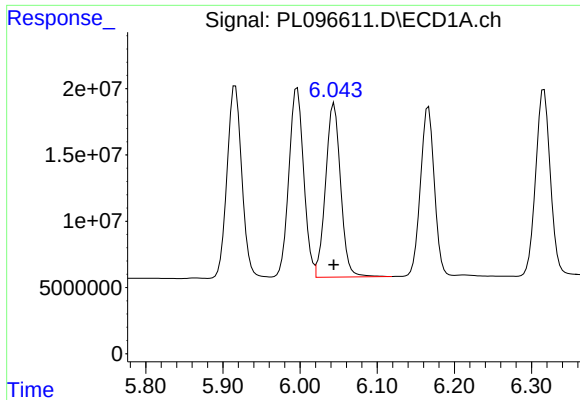
#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: 0.000 min
Response: 194162959
Conc: 50.35 ng/ml



#8 Heptachlor epoxide

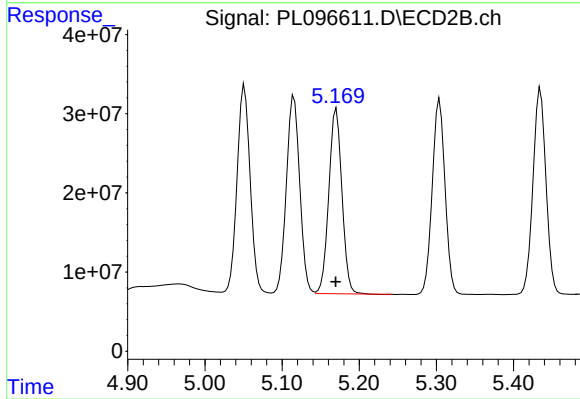
R.T.: 4.799 min
Delta R.T.: 0.000 min
Response: 295584103
Conc: 51.75 ng/ml



#9 Endosulfan I

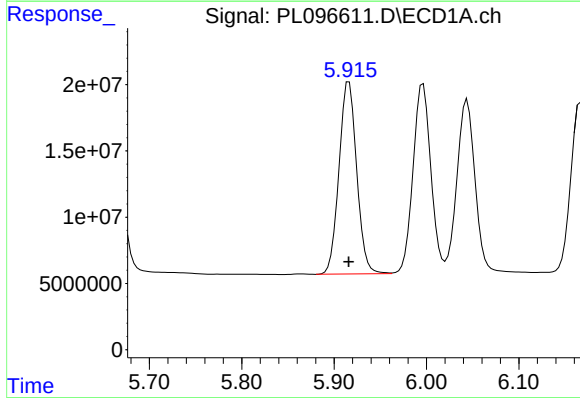
R.T.: 6.044 min
Delta R.T.: 0.000 min
Response: 178427332
Conc: 49.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



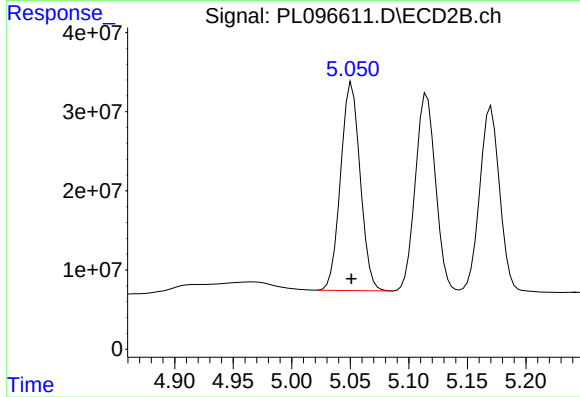
#9 Endosulfan I

R.T.: 5.170 min
Delta R.T.: 0.000 min
Response: 277213283
Conc: 50.12 ng/ml



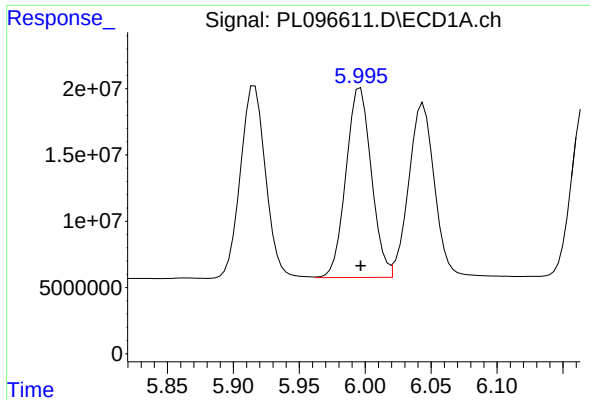
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 193445906
Conc: 50.84 ng/ml



#10 gamma-Chlordane

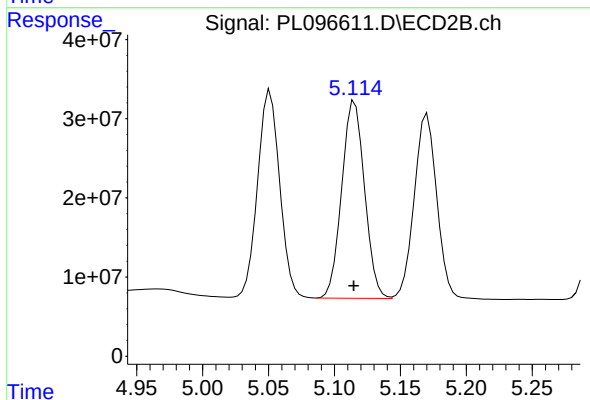
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 305748780
Conc: 52.00 ng/ml



#11 alpha-Chlordane

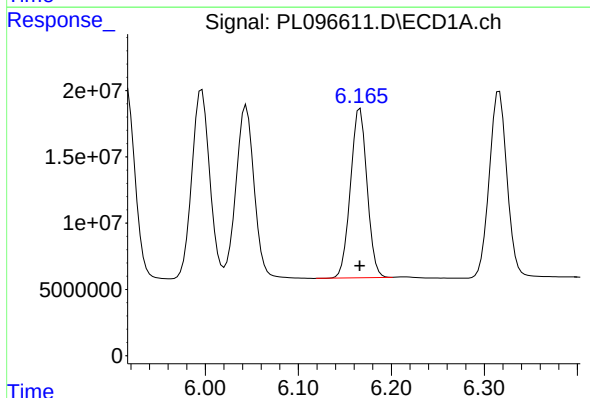
R.T.: 5.996 min
Delta R.T.: 0.000 min
Response: 191709507
Conc: 49.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



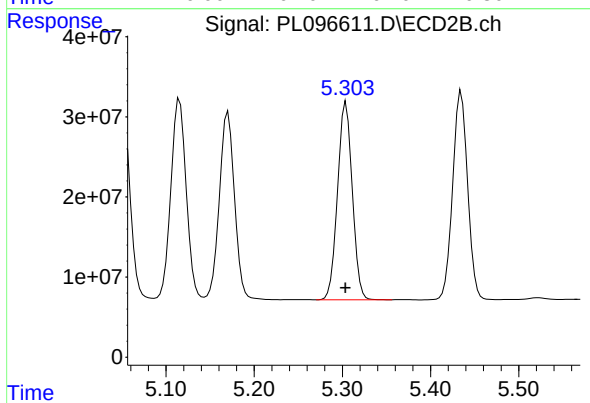
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 300071767
Conc: 50.87 ng/ml



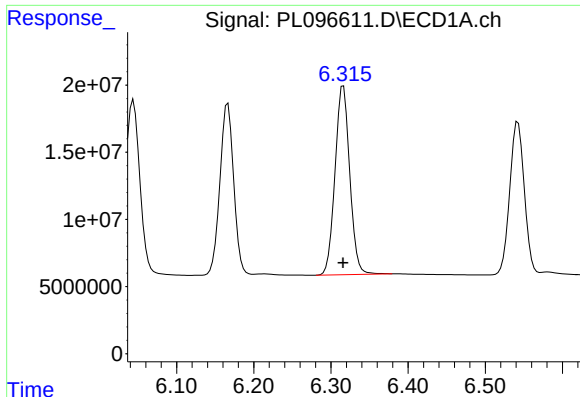
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 158068181
Conc: 49.22 ng/ml



#12 4,4'-DDE

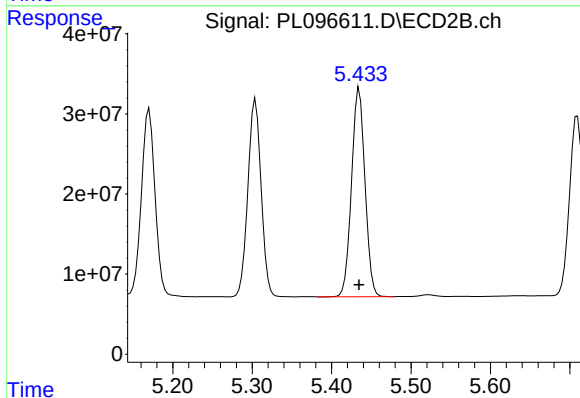
R.T.: 5.304 min
Delta R.T.: 0.000 min
Response: 286332408
Conc: 51.92 ng/ml



#13 Dieldrin

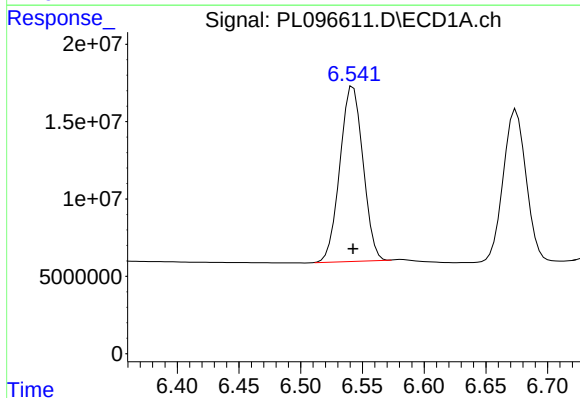
R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 186821697
Conc: 50.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



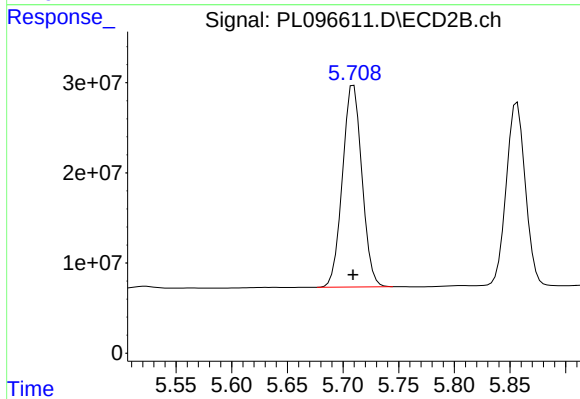
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: 0.000 min
Response: 306303510
Conc: 51.86 ng/ml



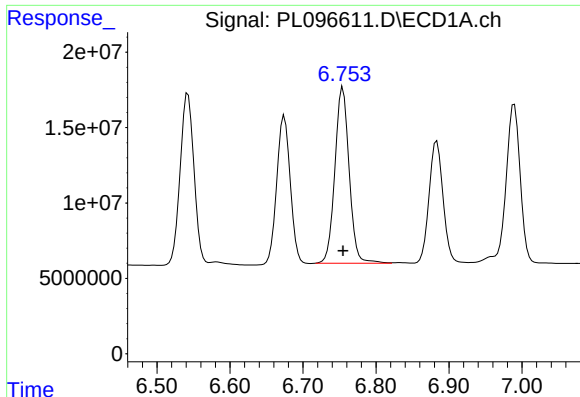
#14 Endrin

R.T.: 6.543 min
Delta R.T.: 0.000 min
Response: 147327440
Conc: 48.67 ng/ml



#14 Endrin

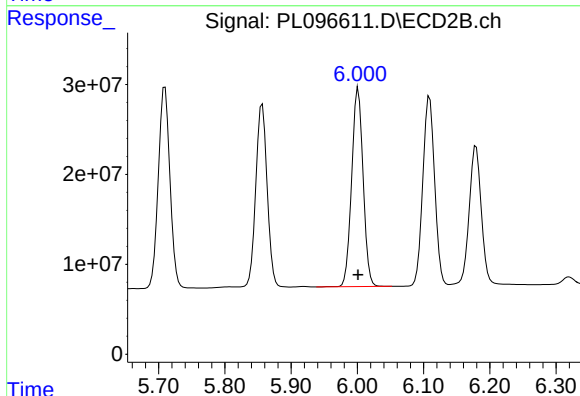
R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 272795312
Conc: 50.46 ng/ml



#15 Endosulfan II

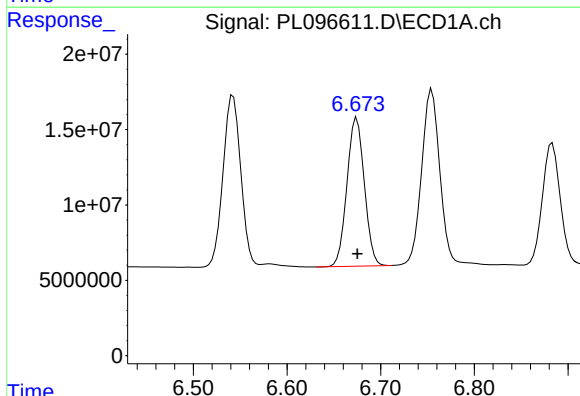
R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 158792104
Conc: 49.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



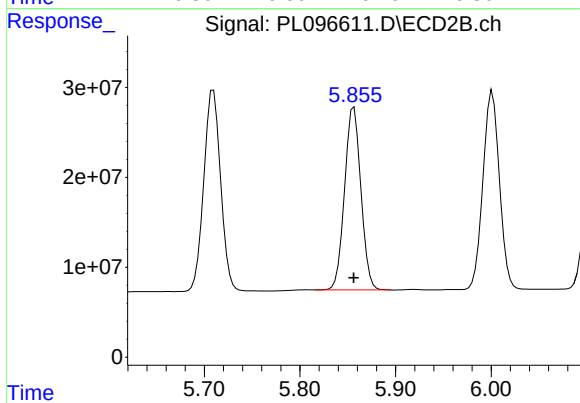
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: 0.000 min
Response: 265195055
Conc: 51.63 ng/ml



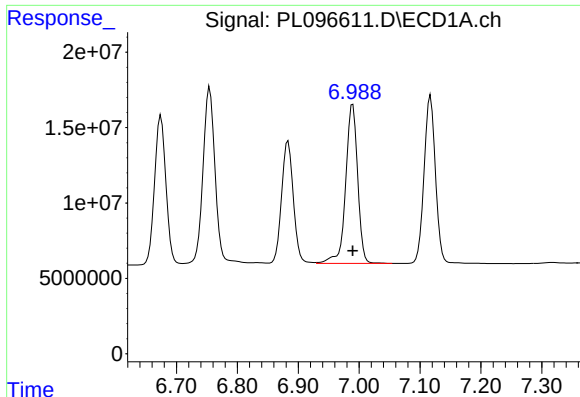
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: 0.000 min
Response: 126947170
Conc: 50.21 ng/ml



#16 4,4'-DDD

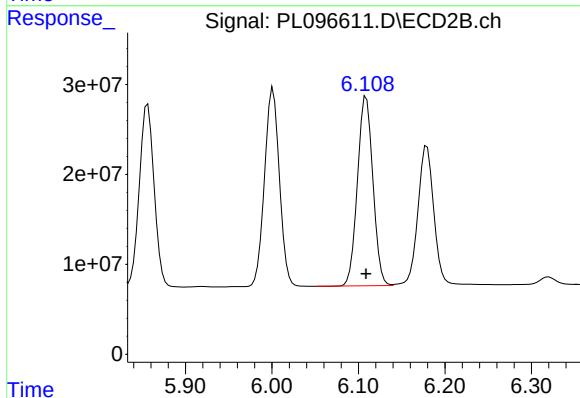
R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 241958902
Conc: 51.42 ng/ml



#17 4,4'-DDT

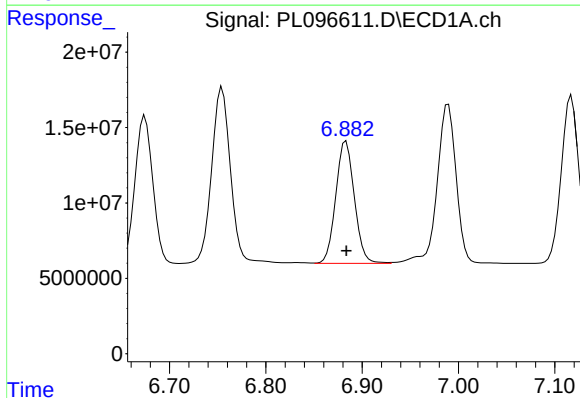
R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 144531756
Conc: 50.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



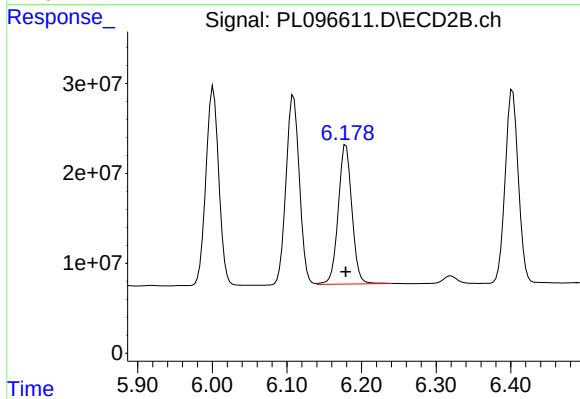
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 261665047
Conc: 51.73 ng/ml



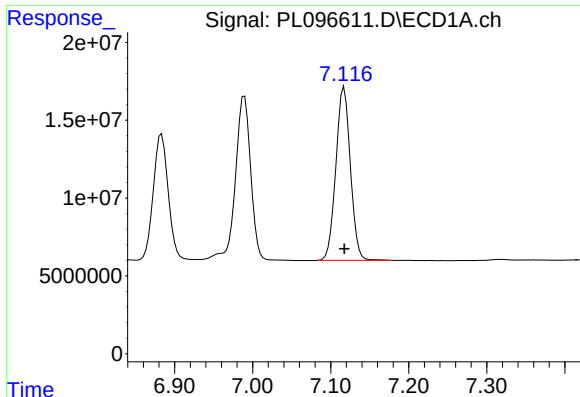
#18 Endrin aldehyde

R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 108518783
Conc: 50.57 ng/ml



#18 Endrin aldehyde

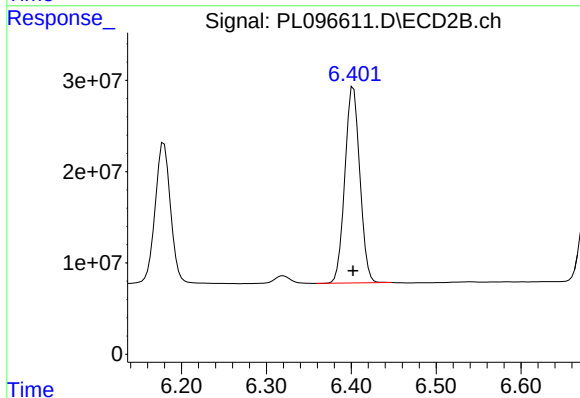
R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 197425966
Conc: 53.39 ng/ml



#19 Endosulfan Sulfate

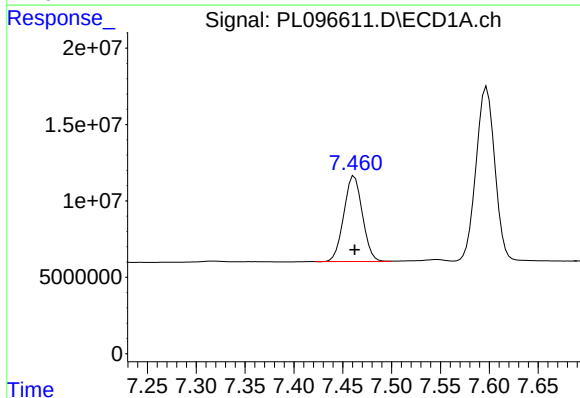
R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 143881166
Conc: 50.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



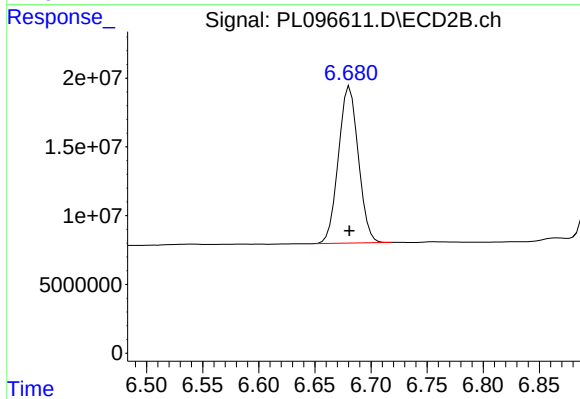
#19 Endosulfan Sulfate

R.T.: 6.402 min
Delta R.T.: 0.000 min
Response: 262804486
Conc: 51.67 ng/ml



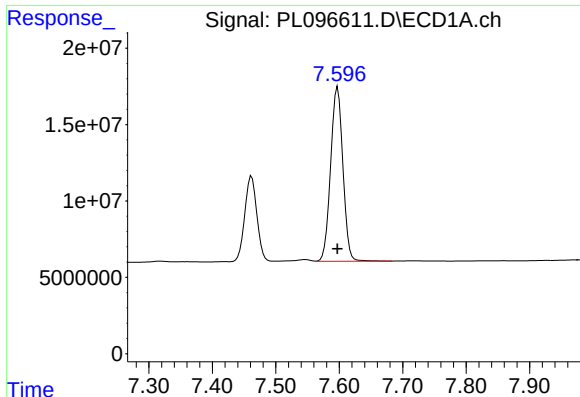
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 74330342
Conc: 50.62 ng/ml



#20 Methoxychlor

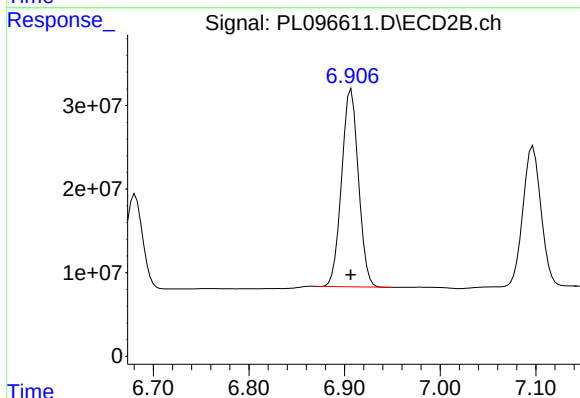
R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 140523051
Conc: 51.28 ng/ml



#21 Endrin ketone

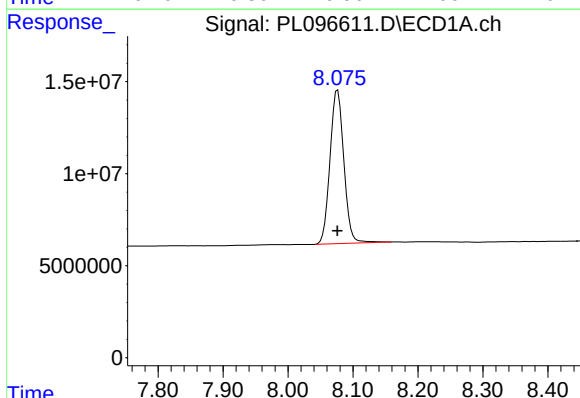
R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 153274359
Conc: 50.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



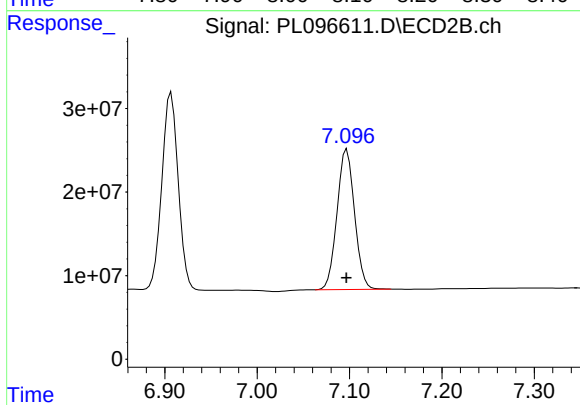
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 289661773
Conc: 52.01 ng/ml



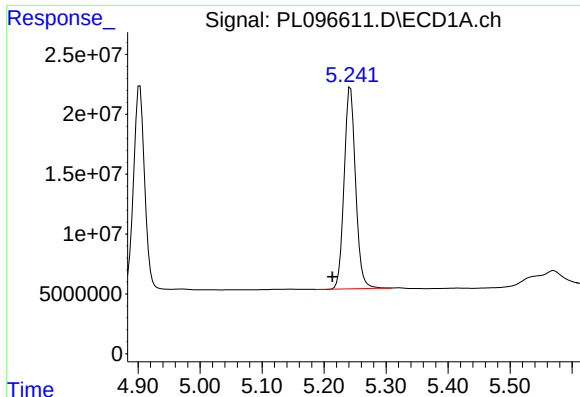
#22 Mirex

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 123454153
Conc: 49.79 ng/ml



#22 Mirex

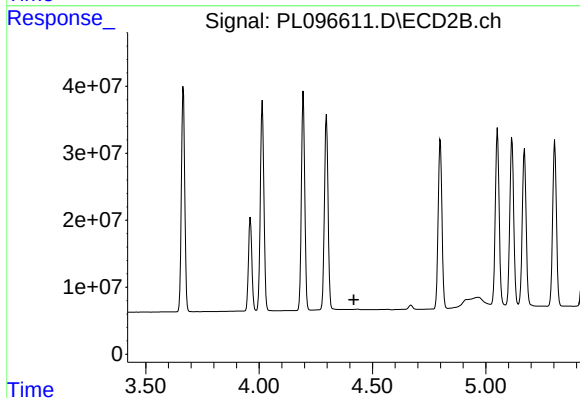
R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 221225472
Conc: 50.73 ng/ml



#24 Chlordane-2

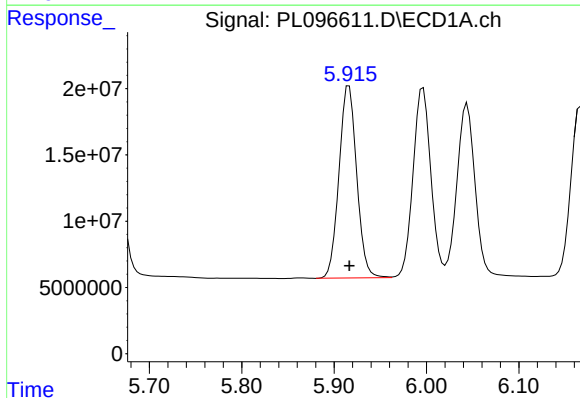
R.T.: 5.243 min
Delta R.T.: 0.029 min
Response: 215573068
Conc: 1231.80 ng/m

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



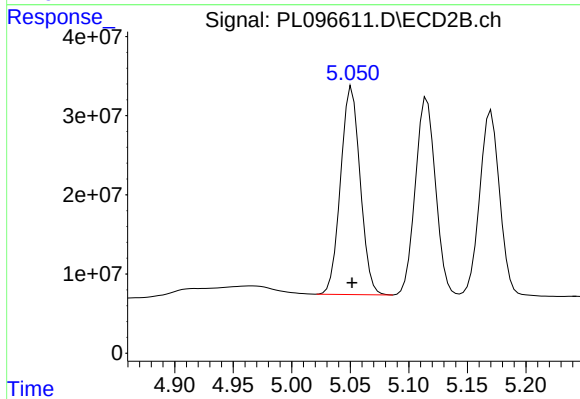
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.418 min
Response: 0
Conc: N.D.



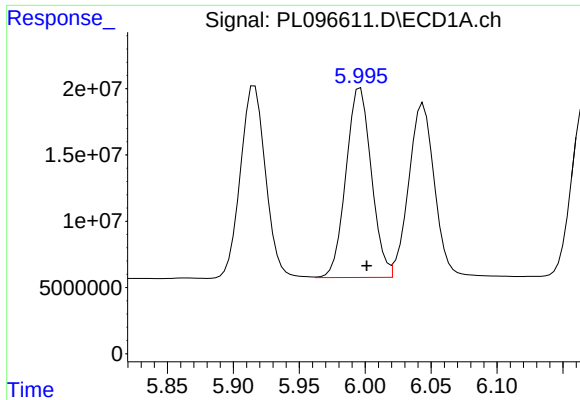
#25 Chlordane-3

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 193445906
Conc: 289.62 ng/ml



#25 Chlordane-3

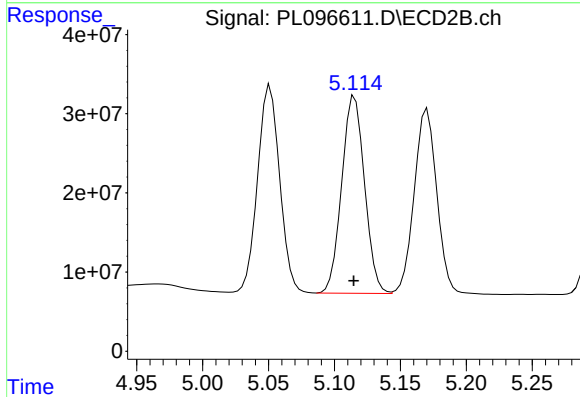
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 305748780
Conc: 439.73 ng/ml



#26 Chlordane-4

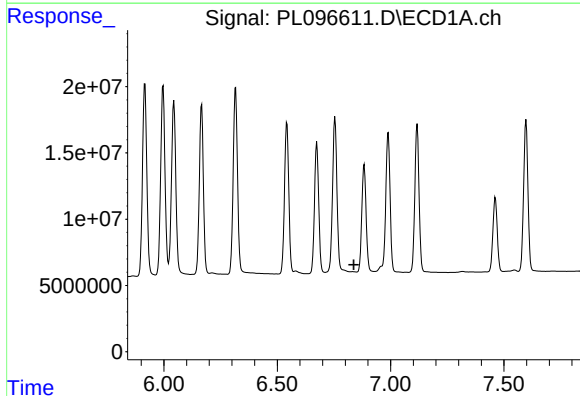
R.T.: 5.996 min
Delta R.T.: -0.005 min
Response: 191709507
Conc: 231.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



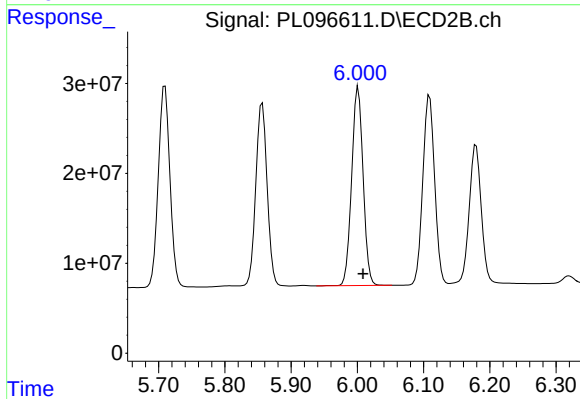
#26 Chlordane-4

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 300071767
Conc: 482.17 ng/ml



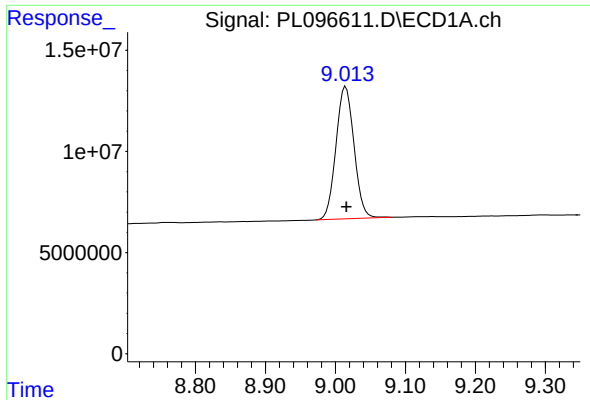
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.838 min
Response: 0
Conc: N.D.



#27 Chlordane-5

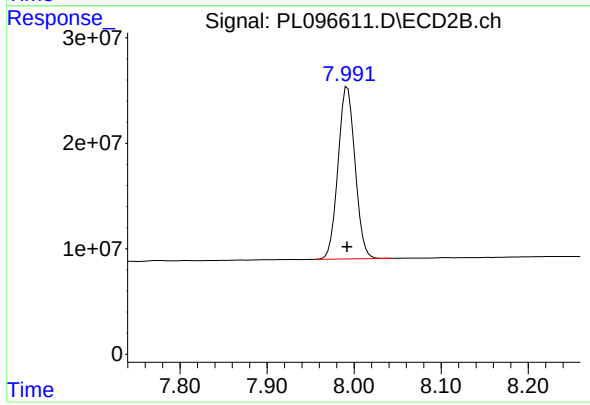
R.T.: 6.001 min
Delta R.T.: -0.007 min
Response: 265195055
Conc: 1039.52 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.015 min
Delta R.T.: -0.001 min
Response: 117087022
Conc: 49.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



#28 Decachlorobiphenyl

R.T.: 7.992 min
Delta R.T.: 0.000 min
Response: 221944303
Conc: 51.16 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
 Data File : PL096843.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 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: Aug 18 12:38:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.530	2.824	68910264	100.8E6	21.665	21.092
28)	SA Decachlor...	9.007	7.986	53459337	85741913	22.418	19.764

Target Compounds

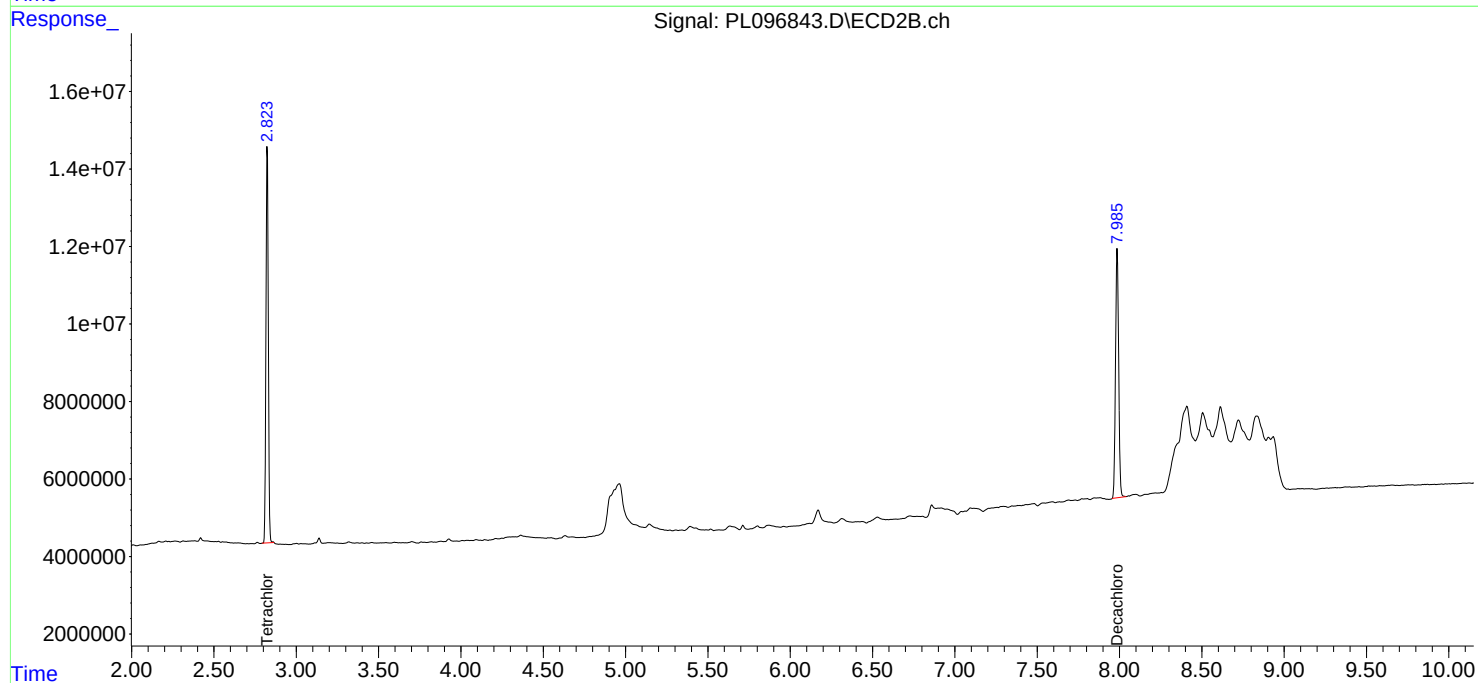
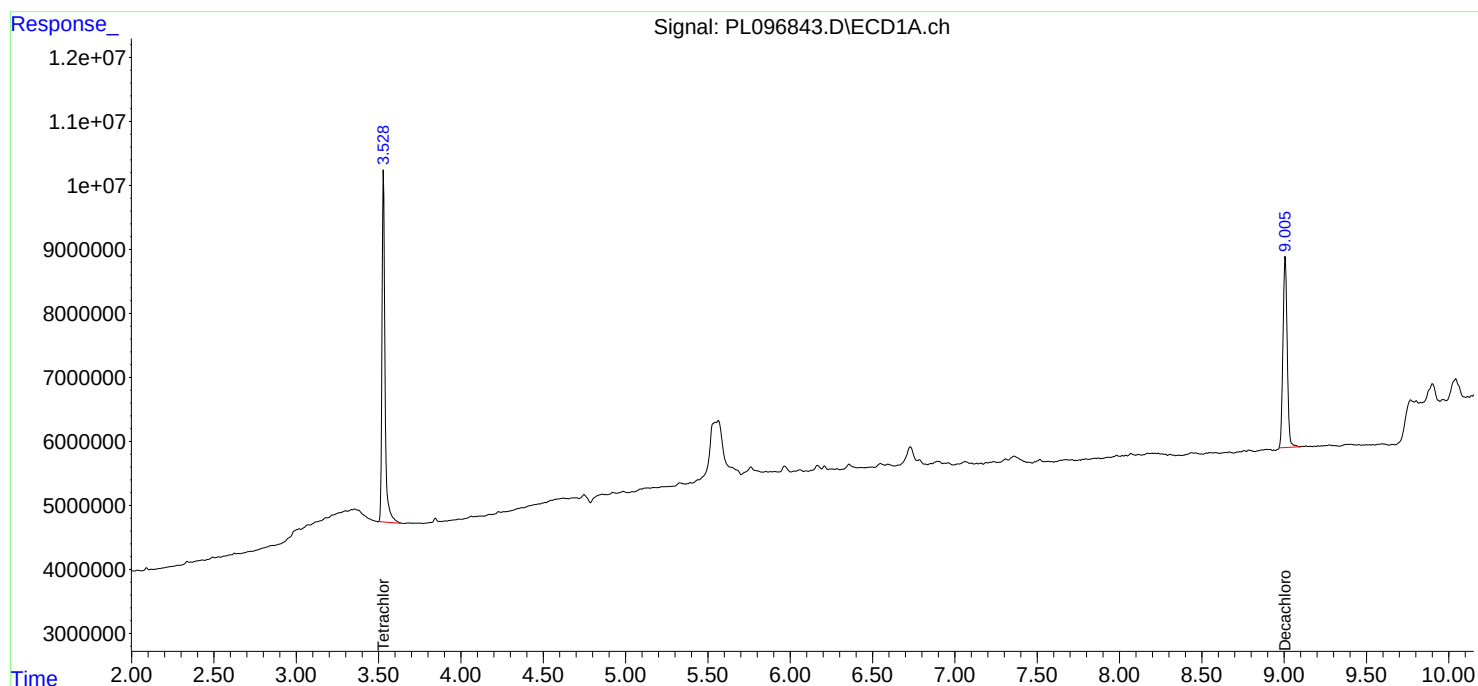
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

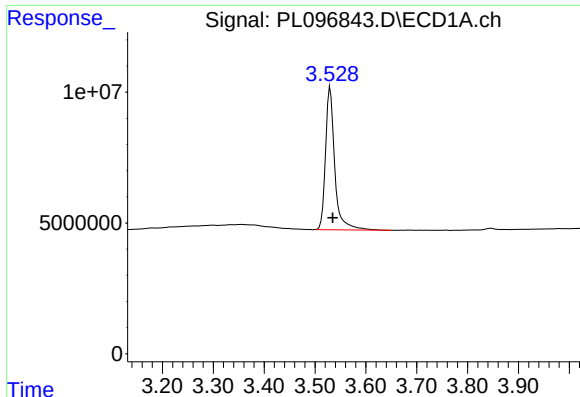
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096843.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 10:12
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 12:38:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

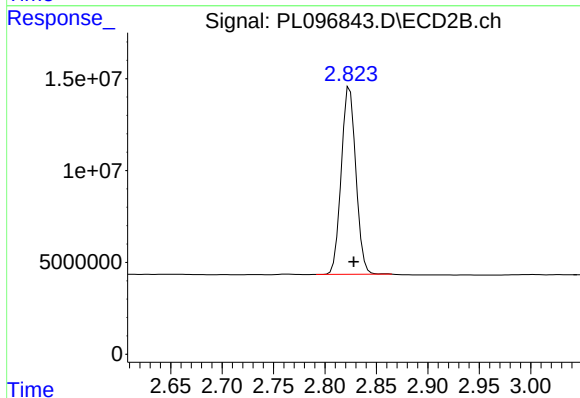




#1 Tetrachloro-m-xylene

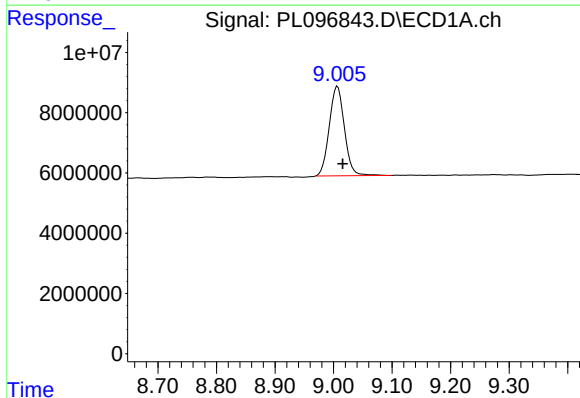
R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 68910264
Conc: 21.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



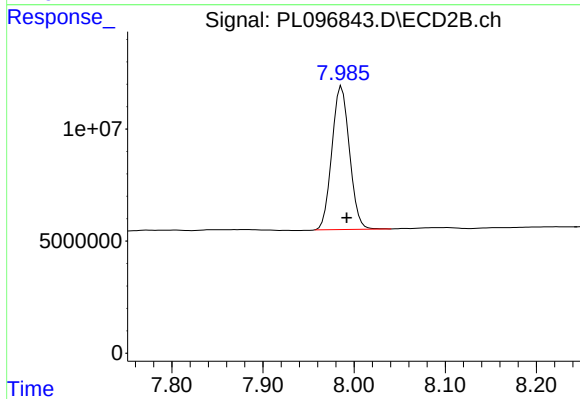
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: -0.004 min
Response: 100772432
Conc: 21.09 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.007 min
Delta R.T.: -0.009 min
Response: 53459337
Conc: 22.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 85741913
Conc: 19.76 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
 Data File : PL096844.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 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: Aug 18 12:38:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.825	73626080	104.4E6	23.147	21.848
28)	SA Decachlor...	9.006	7.987	54106762	94409704	22.690	21.762
Target Compounds							
2)	A alpha-BHC	3.978	3.330	52309665	74616765	11.307	10.544
3)	MA gamma-BHC...	4.305	3.662	50236408	70745882	11.357	10.714
6)	B beta-BHC	4.493	3.958	21236931	32707689	11.766	11.595
14)	MA Endrin	6.536	5.705	164.6E6	271.5E6	54.367	50.230
16)	A 4,4'-DDD	6.669	5.852	9335872	17541435	3.692	3.728
17)	MA 4,4'-DDT	6.983	6.105	308.3E6	511.2E6	107.516	101.064
18)	B Endrin al...	0.000	6.175	0	14799158	N.D.	4.071 #
20)	A Methoxychlor	7.455	6.677	374.7E6	603.2E6	255.163	220.112
21)	B Endrin ke...	7.590	6.902	8908592	21316876	2.963	3.827 #

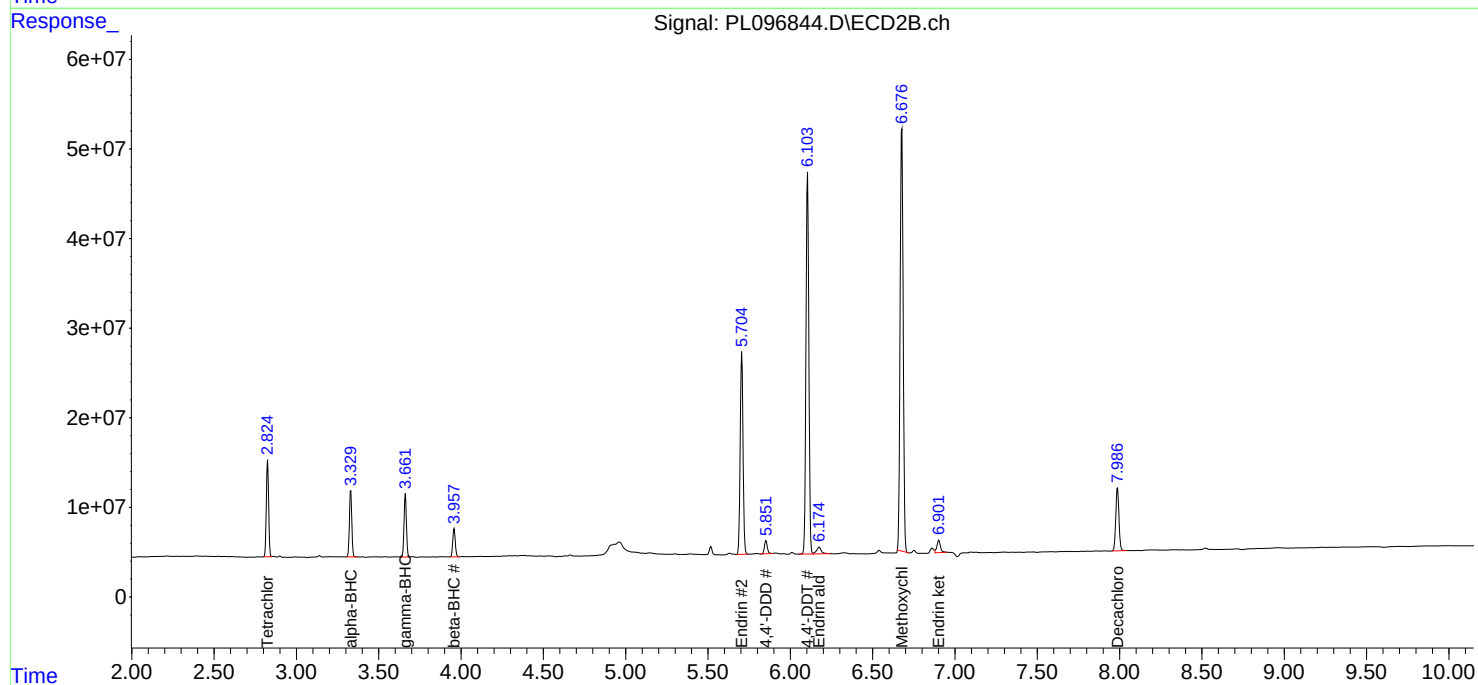
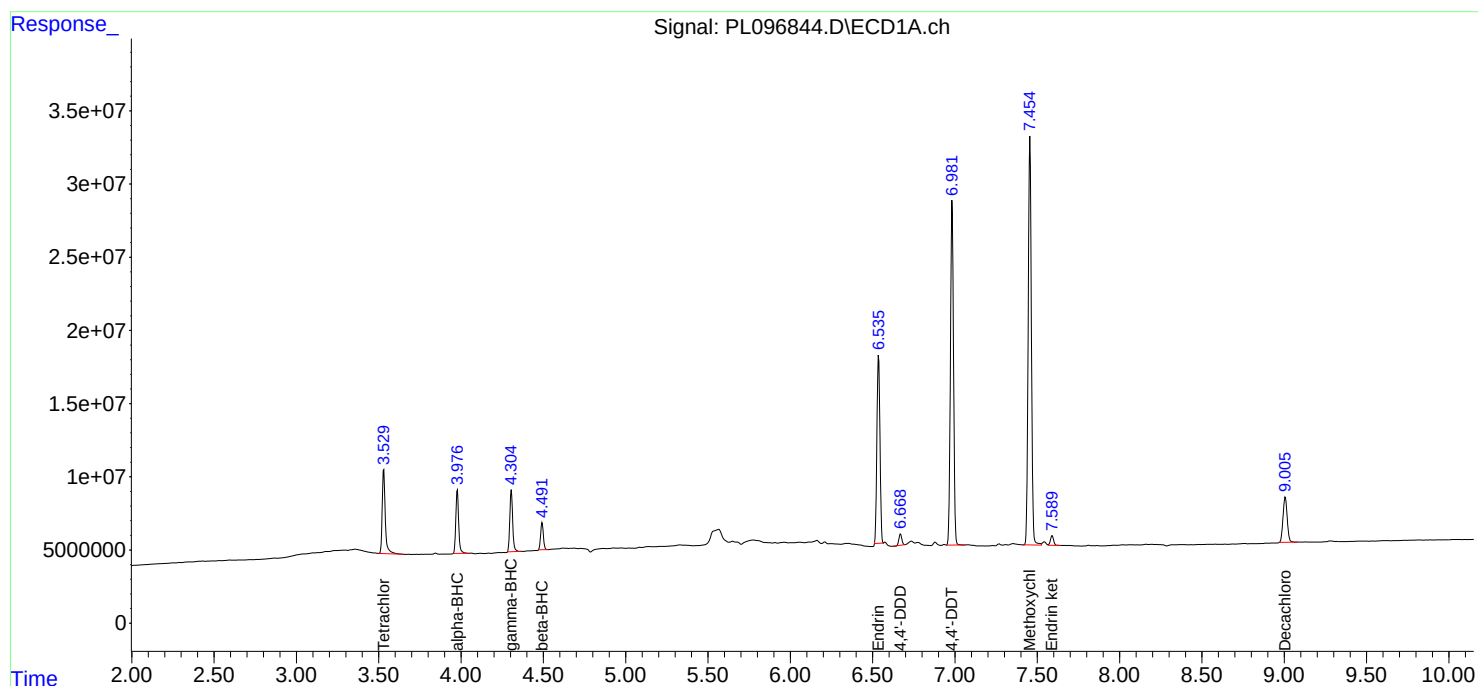
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

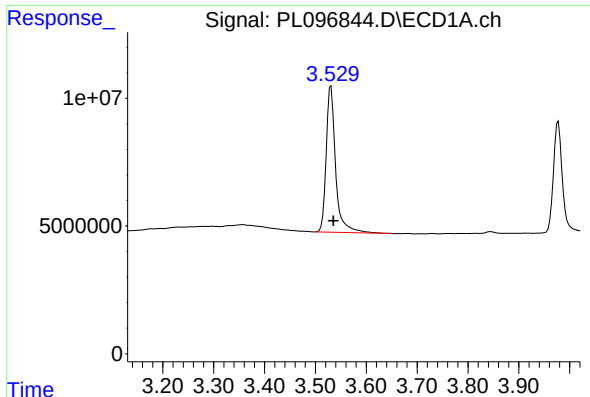
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096844.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 10:26
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 12:38:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

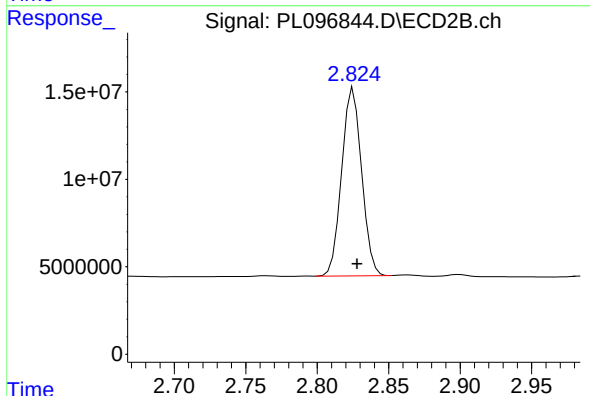




#1 Tetrachloro-m-xylene

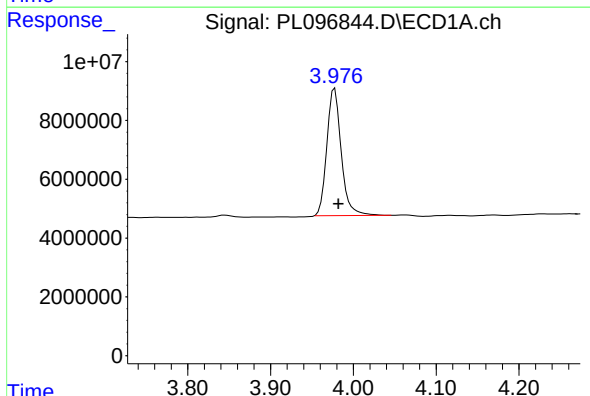
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 73626080
Conc: 23.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



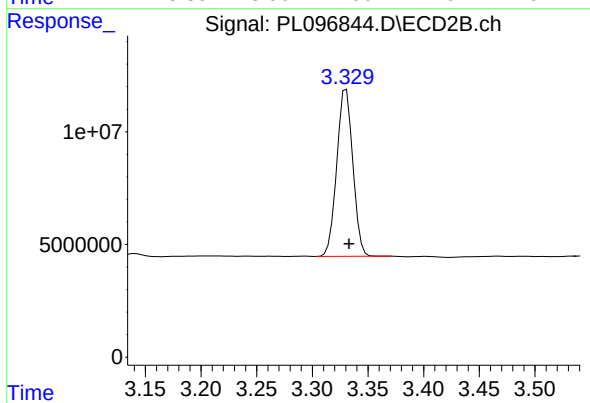
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 104384511
Conc: 21.85 ng/ml



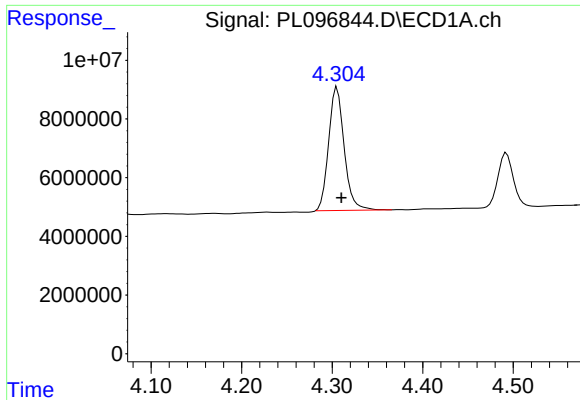
#2 alpha-BHC

R.T.: 3.978 min
Delta R.T.: -0.005 min
Response: 52309665
Conc: 11.31 ng/ml



#2 alpha-BHC

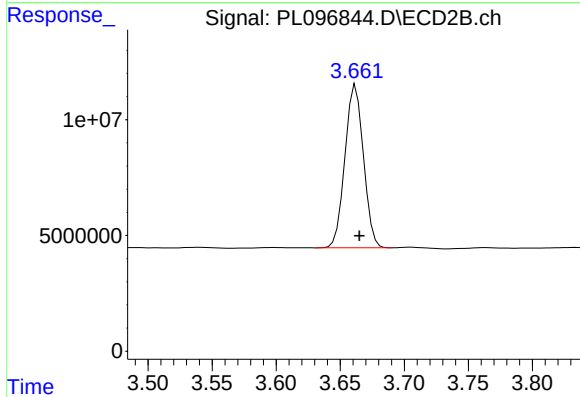
R.T.: 3.330 min
Delta R.T.: -0.003 min
Response: 74616765
Conc: 10.54 ng/ml



#3 gamma-BHC (Lindane)

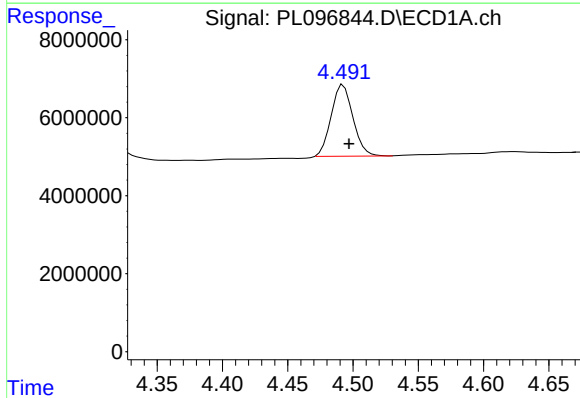
R.T.: 4.305 min
Delta R.T.: -0.005 min
Response: 50236408
Conc: 11.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



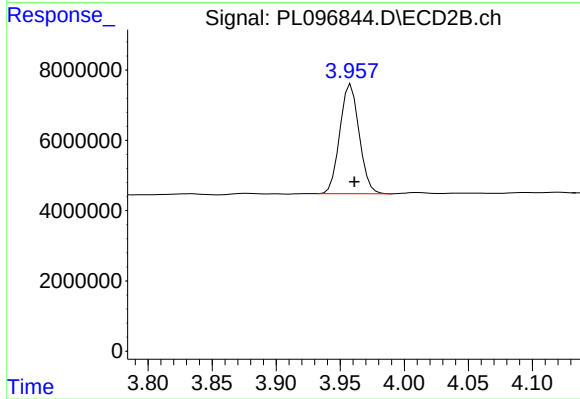
#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: -0.003 min
Response: 70745882
Conc: 10.71 ng/ml



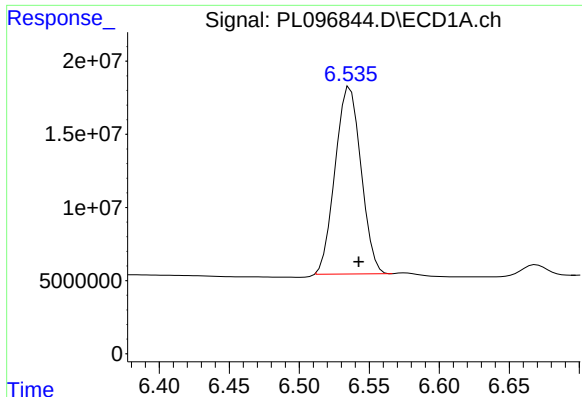
#6 beta-BHC

R.T.: 4.493 min
Delta R.T.: -0.004 min
Response: 21236931
Conc: 11.77 ng/ml



#6 beta-BHC

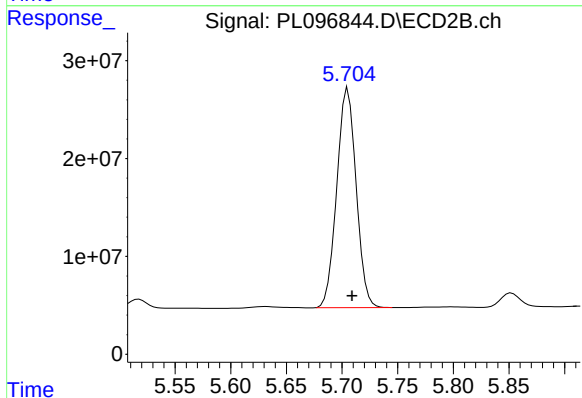
R.T.: 3.958 min
Delta R.T.: -0.003 min
Response: 32707689
Conc: 11.59 ng/ml



#14 Endrin

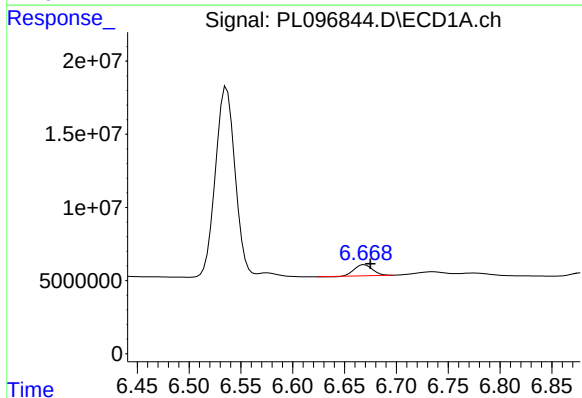
R.T.: 6.536 min
Delta R.T.: -0.006 min
Response: 164558169
Conc: 54.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



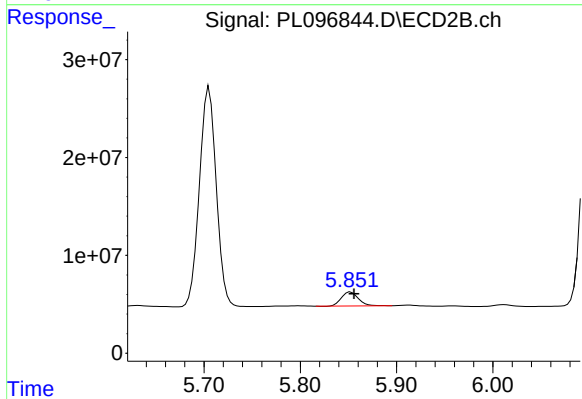
#14 Endrin

R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 271542500
Conc: 50.23 ng/ml



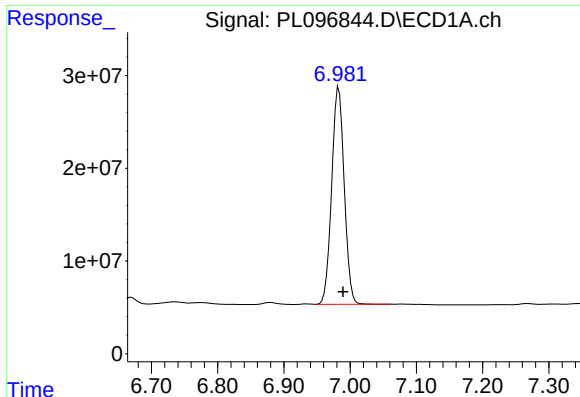
#16 4,4'-DDD

R.T.: 6.669 min
Delta R.T.: -0.006 min
Response: 9335872
Conc: 3.69 ng/ml



#16 4,4'-DDD

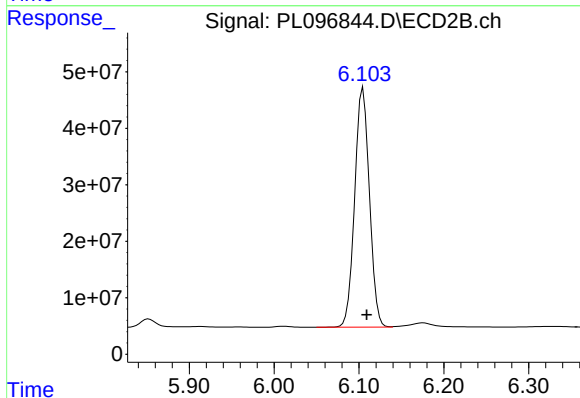
R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 17541435
Conc: 3.73 ng/ml



#17 4,4'-DDT

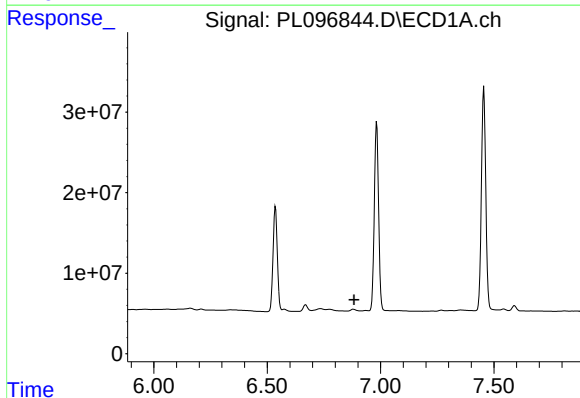
R.T.: 6.983 min
Delta R.T.: -0.006 min
Response: 308321781
Conc: 107.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



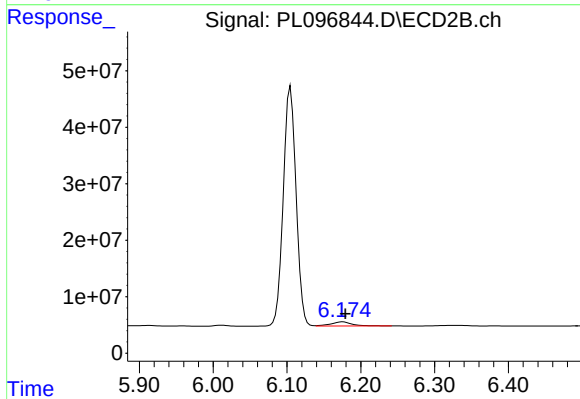
#17 4,4'-DDT

R.T.: 6.105 min
Delta R.T.: -0.004 min
Response: 511212306
Conc: 101.06 ng/ml



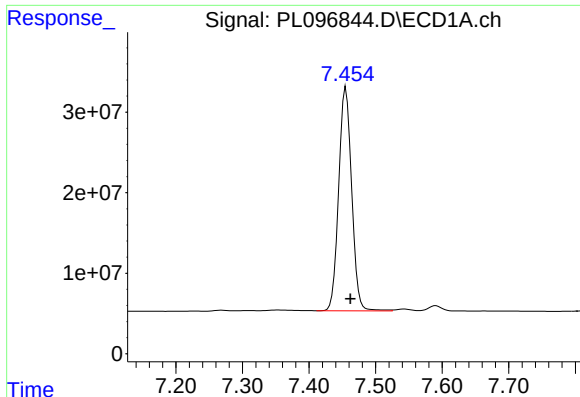
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.884 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

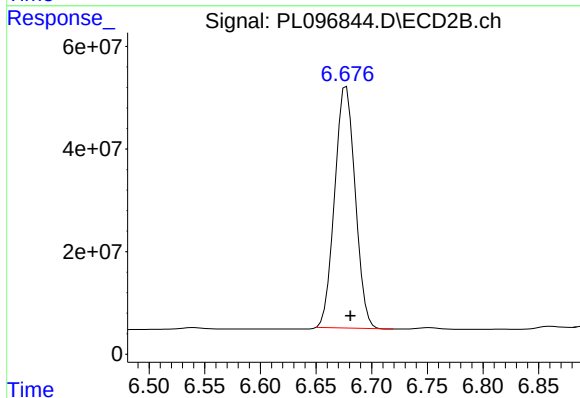
R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 14799158
Conc: 4.07 ng/ml



#20 Methoxychlor

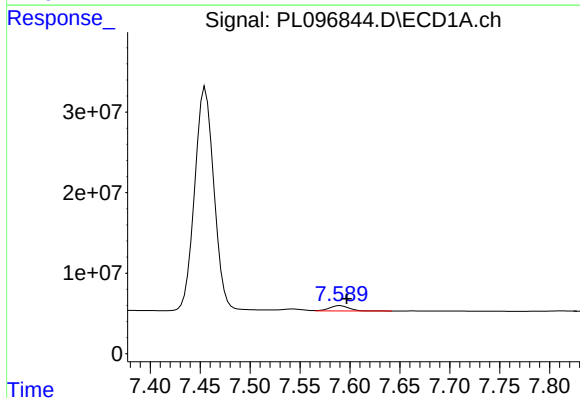
R.T.: 7.455 min
Delta R.T.: -0.007 min
Response: 374669518
Conc: 255.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



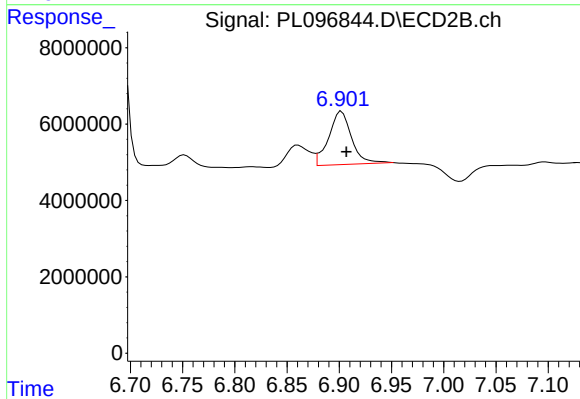
#20 Methoxychlor

R.T.: 6.677 min
Delta R.T.: -0.004 min
Response: 603217501
Conc: 220.11 ng/ml



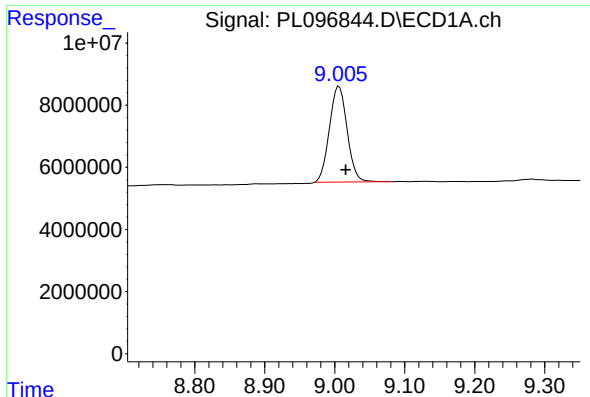
#21 Endrin ketone

R.T.: 7.590 min
Delta R.T.: -0.006 min
Response: 8908592
Conc: 2.96 ng/ml



#21 Endrin ketone

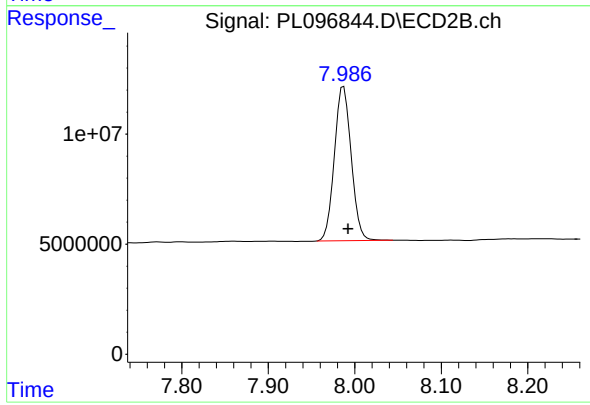
R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 21316876
Conc: 3.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.006 min
Delta R.T.: -0.009 min
Response: 54106762
Conc: 22.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 94409704
Conc: 21.76 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
 Data File : PL096845.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 11:25
 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: Aug 18 12:38:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.530	2.822	178.1E6	260.5E6	56.005	54.518
28)	SA Decachlor...	9.009	7.989	128.4E6	218.1E6	53.853	50.281
Target Compounds							
2)	A alpha-BHC	3.978	3.327	266.7E6	382.9E6	57.654	54.109
3)	MA gamma-BHC...	4.306	3.659	247.5E6	355.3E6	55.961	53.810
4)	MA Heptachlor	4.898	4.008	251.9E6	344.8E6	60.620	51.753
5)	MB Aldrin	5.237	4.291	239.3E6	326.8E6	55.640	52.642
6)	B beta-BHC	4.493	3.956	99940508	150.8E6	55.370	53.467
7)	B delta-BHC	4.738	4.189	232.1E6	344.0E6	58.179	53.141
8)	B Heptachlo...	5.657	4.793	215.7E6	295.0E6	55.928	51.644
9)	A Endosulfan I	6.039	5.164	197.7E6	275.9E6	54.976	49.870
10)	B gamma-Chl...	5.912	5.045	216.3E6	313.2E6	56.843	53.262
11)	B alpha-Chl...	5.991	5.109	214.6E6	306.3E6	55.682	51.929
12)	B 4,4'-DDE	6.162	5.298	176.8E6	288.5E6	55.064	52.309
13)	MA Dieldrin	6.311	5.429	206.2E6	303.6E6	55.553	51.408
14)	MA Endrin	6.538	5.704	161.8E6	260.4E6	53.450	48.164
15)	B Endosulfa...	6.751	5.996	173.5E6	262.5E6	54.185	51.106
16)	A 4,4'-DDD	6.671	5.852	148.7E6	246.1E6	58.811	52.295
17)	MA 4,4'-DDT	6.985	6.104	147.3E6	245.7E6	51.350	48.581
18)	B Endrin al...	6.880	6.174	117.9E6	186.9E6	54.956	51.423
19)	B Endosulfa...	7.114	6.398	154.0E6	256.3E6	53.592	50.382
20)	A Methoxychlor	7.458	6.677	72091292	128.8E6	49.097	46.997
21)	B Endrin ke...	7.593	6.903	166.0E6	300.1E6	55.194	53.883
22)	Mirex	8.072	7.093	129.7E6	222.0E6	52.300	50.918
24)	Chlordane-2	5.237f	0.000	239.3E6	0	1367.420	N.D. #
25)	Chlordane-3	5.912	5.045	216.3E6	313.2E6	323.834	450.432 #
26)	Chlordane-4	5.991	5.109	214.6E6	306.3E6	259.313	492.221 #
27)	Chlordane-5	0.000	5.996	0	262.5E6	N.D.	1028.934 #

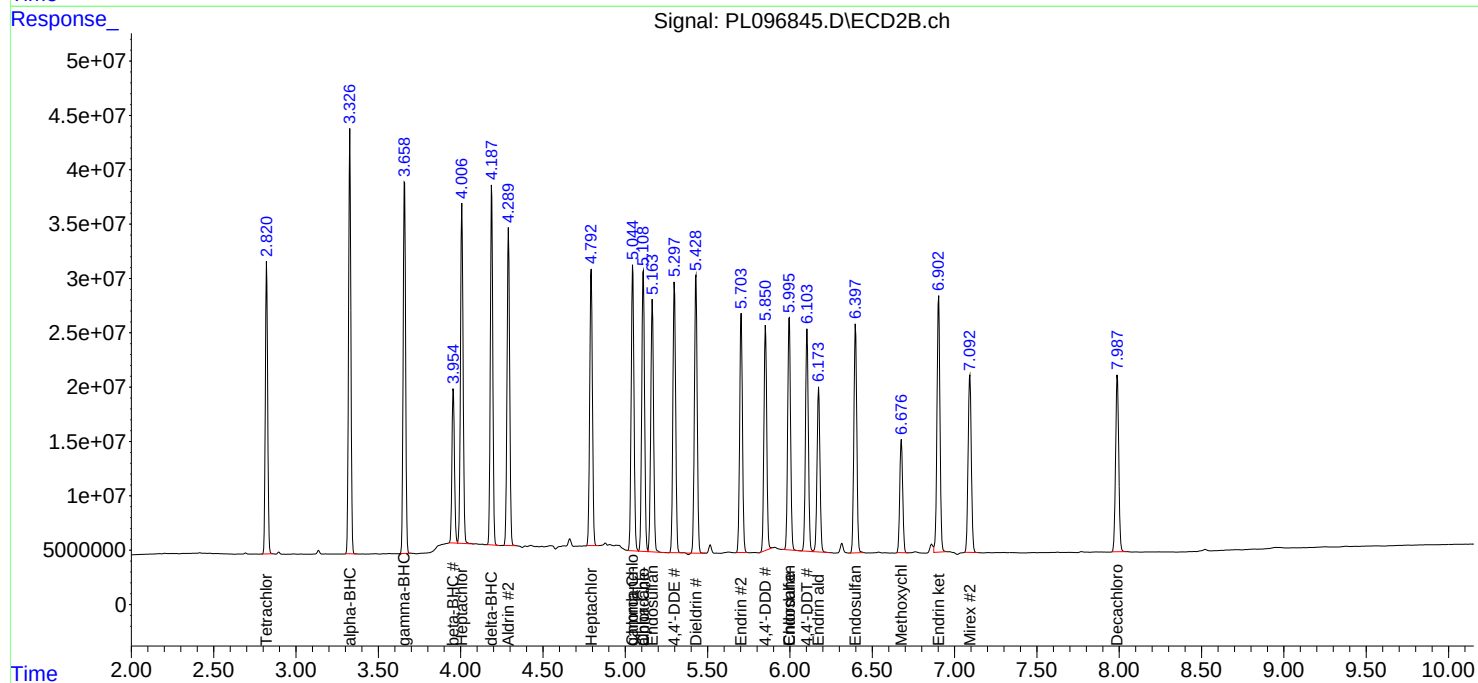
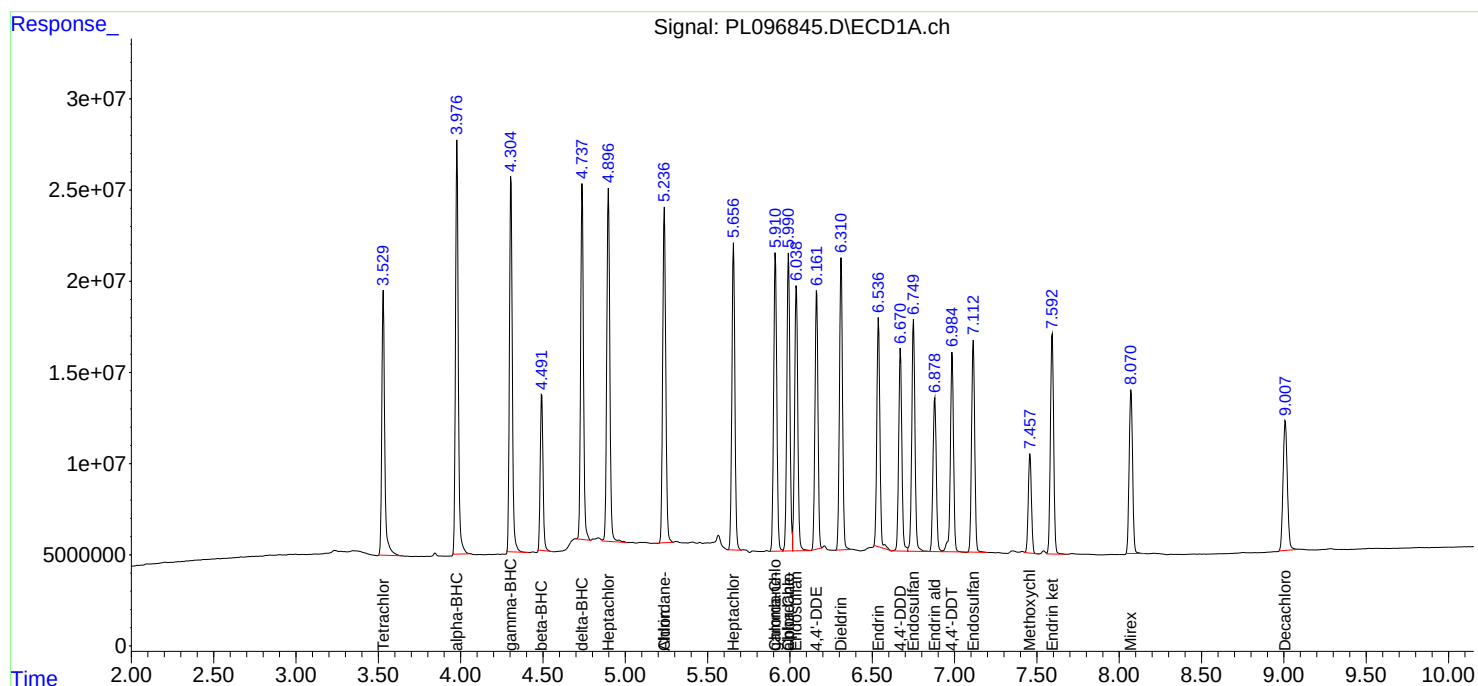
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

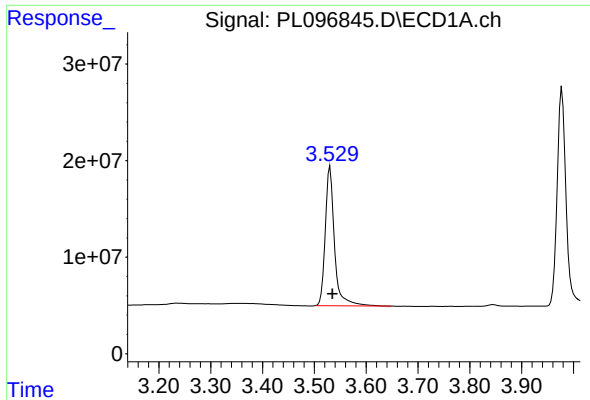
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096845.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 11:25
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 12:38:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

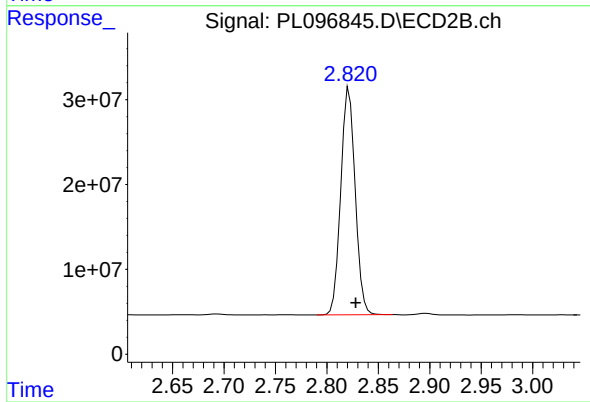




#1 Tetrachloro-m-xylene

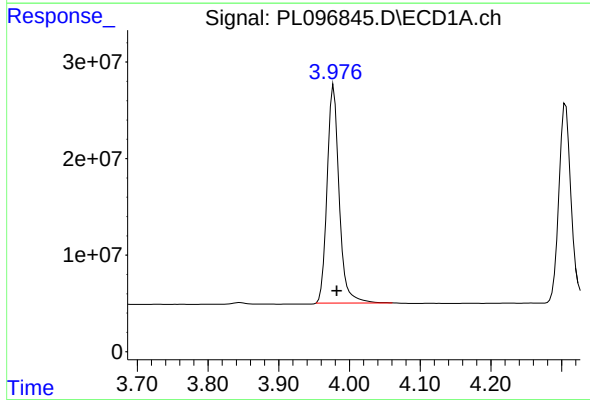
R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 178139144
Conc: 56.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



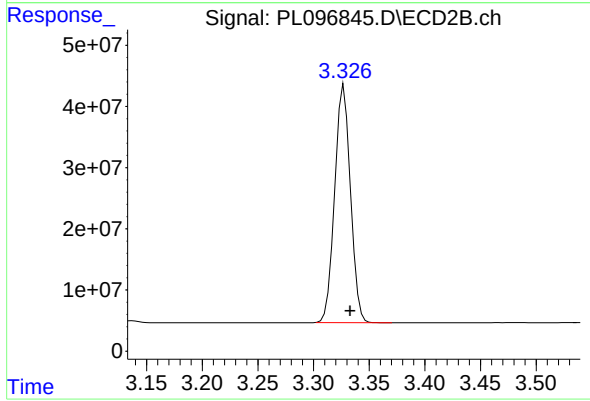
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.006 min
Response: 260475552
Conc: 54.52 ng/ml



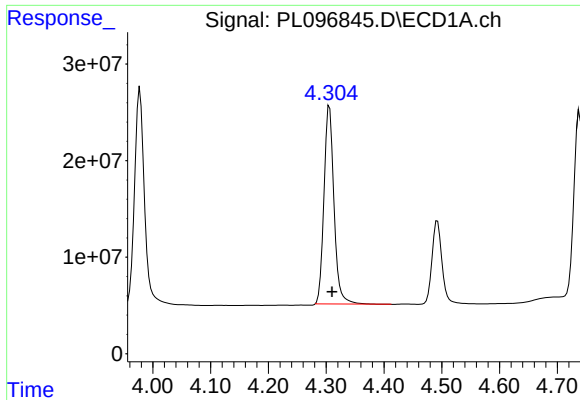
#2 alpha-BHC

R.T.: 3.978 min
Delta R.T.: -0.004 min
Response: 266728726
Conc: 57.65 ng/ml



#2 alpha-BHC

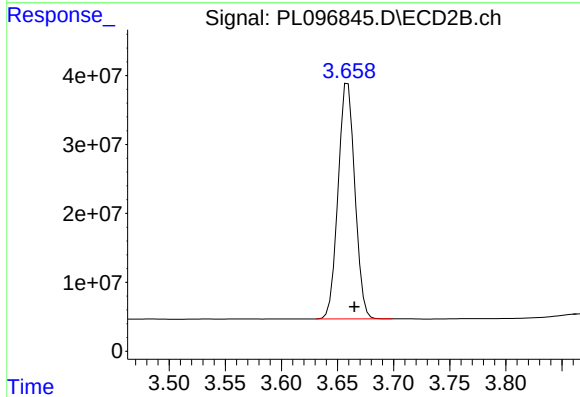
R.T.: 3.327 min
Delta R.T.: -0.006 min
Response: 382933748
Conc: 54.11 ng/ml



#3 gamma-BHC (Lindane)

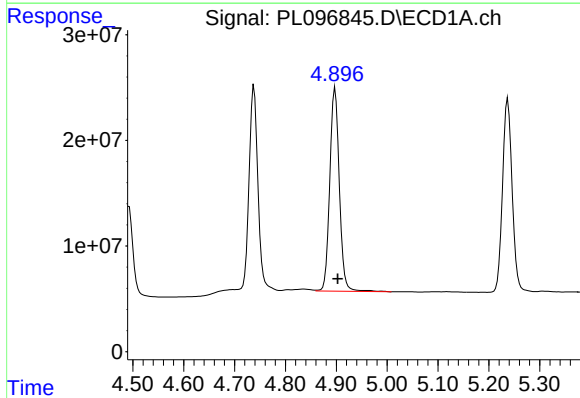
R.T.: 4.306 min
Delta R.T.: -0.005 min
Response: 247540336
Conc: 55.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



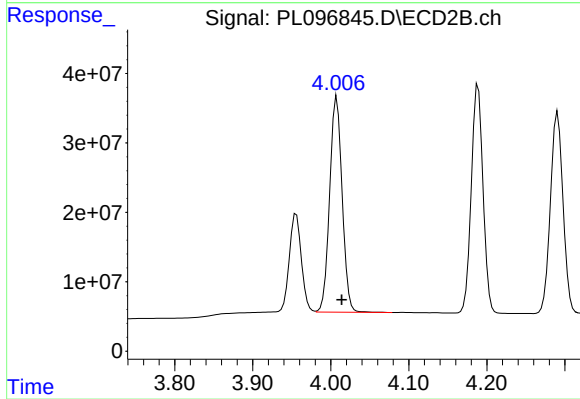
#3 gamma-BHC (Lindane)

R.T.: 3.659 min
Delta R.T.: -0.006 min
Response: 355328772
Conc: 53.81 ng/ml



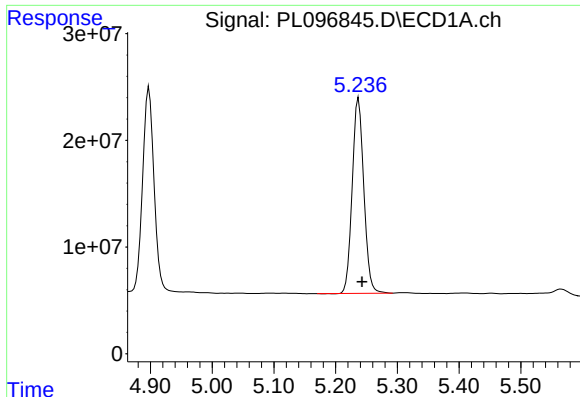
#4 Heptachlor

R.T.: 4.898 min
Delta R.T.: -0.005 min
Response: 251915890
Conc: 60.62 ng/ml



#4 Heptachlor

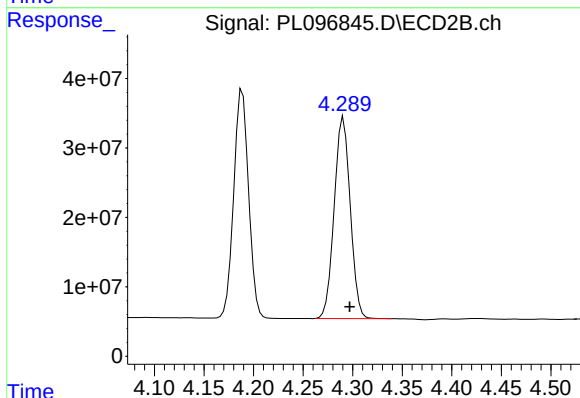
R.T.: 4.008 min
Delta R.T.: -0.006 min
Response: 344773832
Conc: 51.75 ng/ml



#5 Aldrin

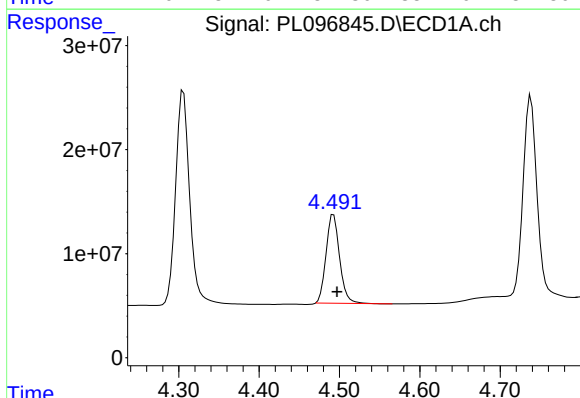
R.T.: 5.237 min
Delta R.T.: -0.006 min
Response: 239307933
Conc: 55.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



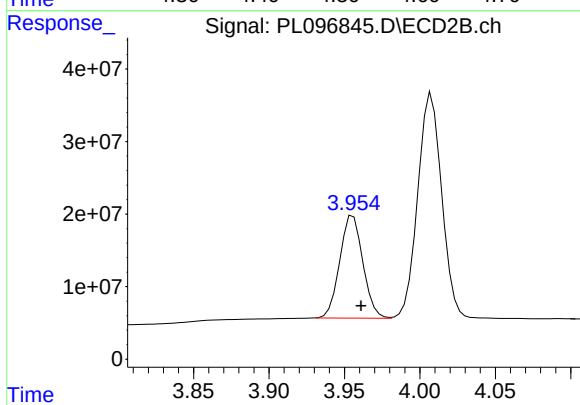
#5 Aldrin

R.T.: 4.291 min
Delta R.T.: -0.006 min
Response: 326750438
Conc: 52.64 ng/ml



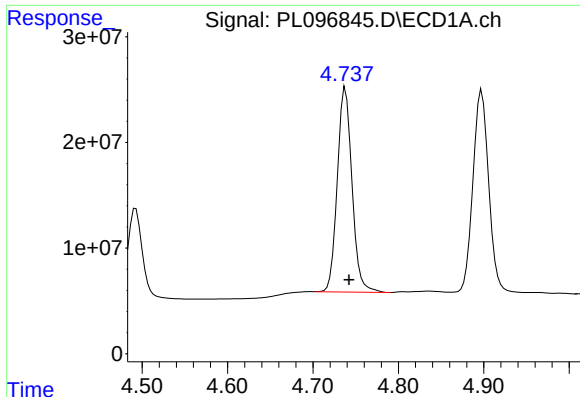
#6 beta-BHC

R.T.: 4.493 min
Delta R.T.: -0.004 min
Response: 99940508
Conc: 55.37 ng/ml



#6 beta-BHC

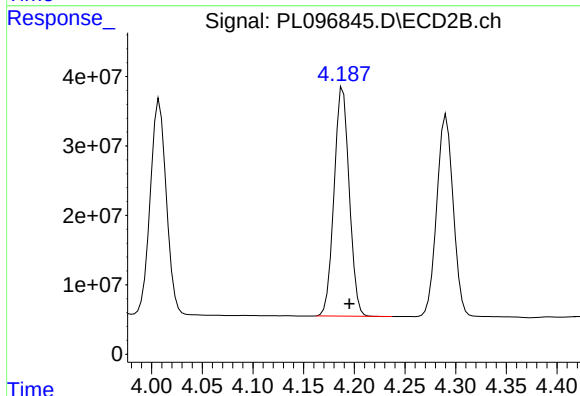
R.T.: 3.956 min
Delta R.T.: -0.005 min
Response: 150825602
Conc: 53.47 ng/ml



#7 delta-BHC

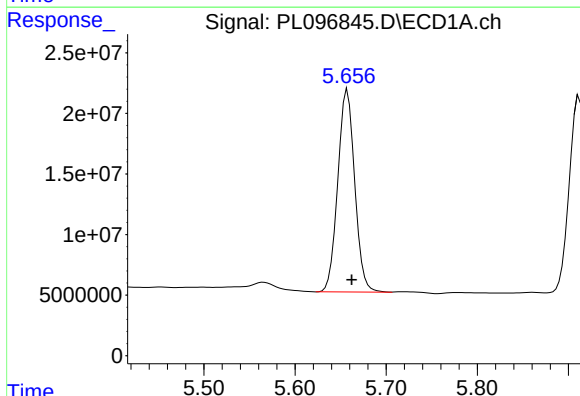
R.T.: 4.738 min
Delta R.T.: -0.004 min
Response: 232126621
Conc: 58.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



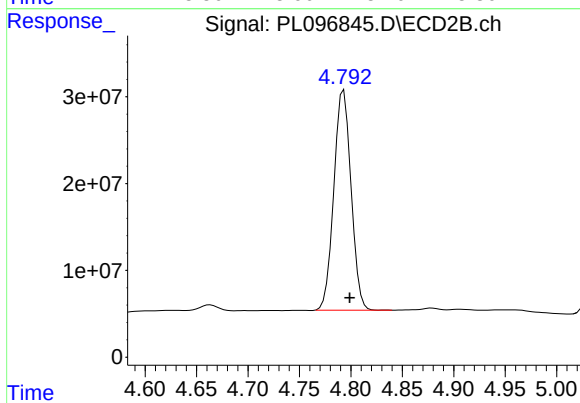
#7 delta-BHC

R.T.: 4.189 min
Delta R.T.: -0.006 min
Response: 344014546
Conc: 53.14 ng/ml



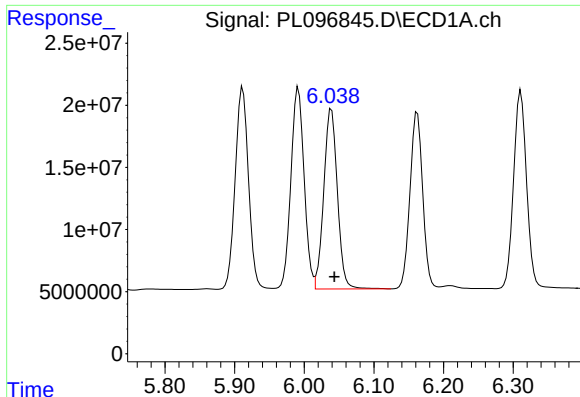
#8 Heptachlor epoxide

R.T.: 5.657 min
Delta R.T.: -0.005 min
Response: 215688491
Conc: 55.93 ng/ml



#8 Heptachlor epoxide

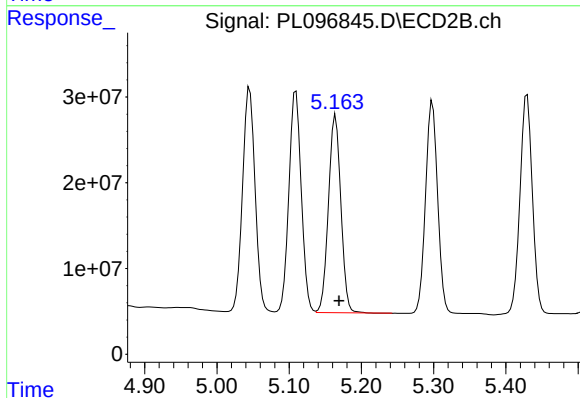
R.T.: 4.793 min
Delta R.T.: -0.006 min
Response: 294959375
Conc: 51.64 ng/ml



#9 Endosulfan I

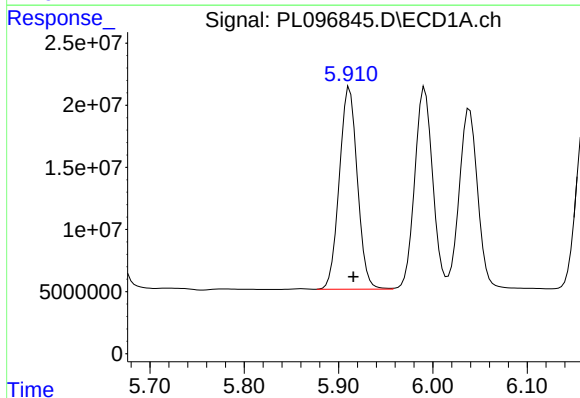
R.T.: 6.039 min
Delta R.T.: -0.005 min
Response: 197715086
Conc: 54.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



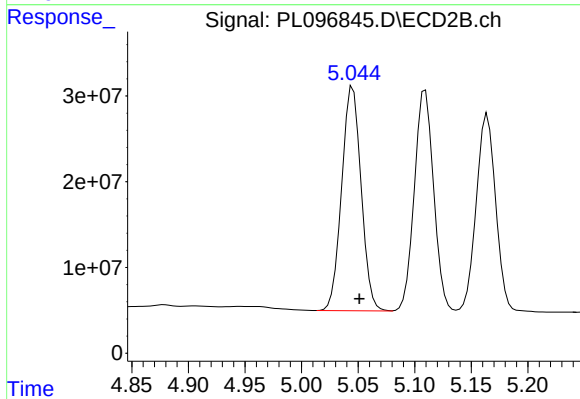
#9 Endosulfan I

R.T.: 5.164 min
Delta R.T.: -0.005 min
Response: 275850741
Conc: 49.87 ng/ml



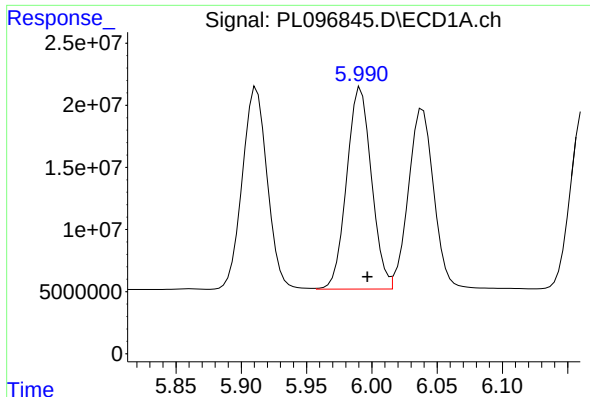
#10 gamma-Chlordane

R.T.: 5.912 min
Delta R.T.: -0.004 min
Response: 216300962
Conc: 56.84 ng/ml



#10 gamma-Chlordane

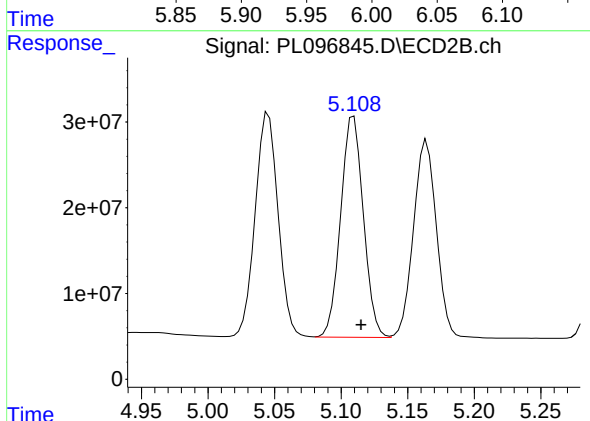
R.T.: 5.045 min
Delta R.T.: -0.006 min
Response: 313186300
Conc: 53.26 ng/ml



#11 alpha-Chlordane

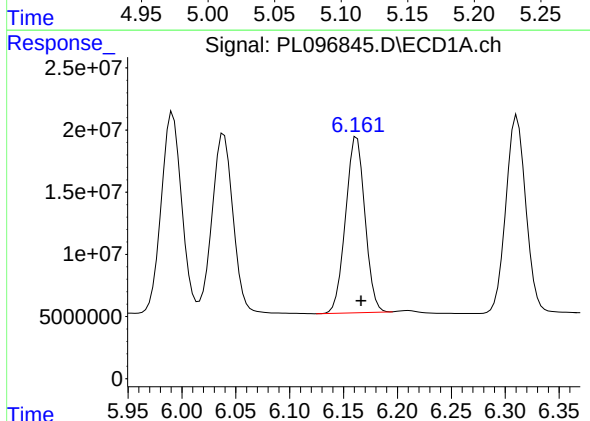
R.T.: 5.991 min
Delta R.T.: -0.005 min
Response: 214632911
Conc: 55.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



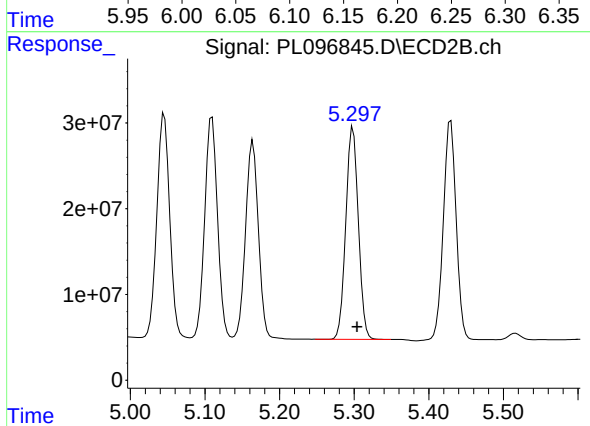
#11 alpha-Chlordane

R.T.: 5.109 min
Delta R.T.: -0.006 min
Response: 306324746
Conc: 51.93 ng/ml



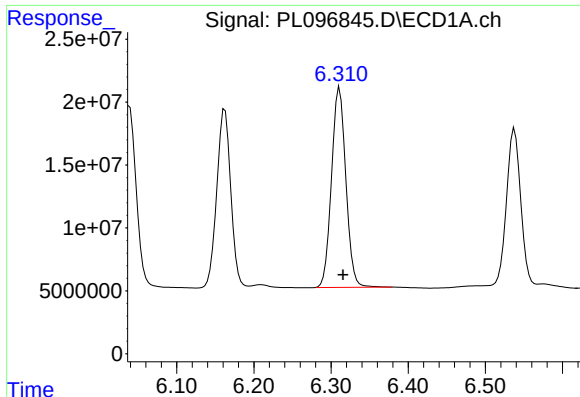
#12 4,4'-DDE

R.T.: 6.162 min
Delta R.T.: -0.004 min
Response: 176823674
Conc: 55.06 ng/ml



#12 4,4'-DDE

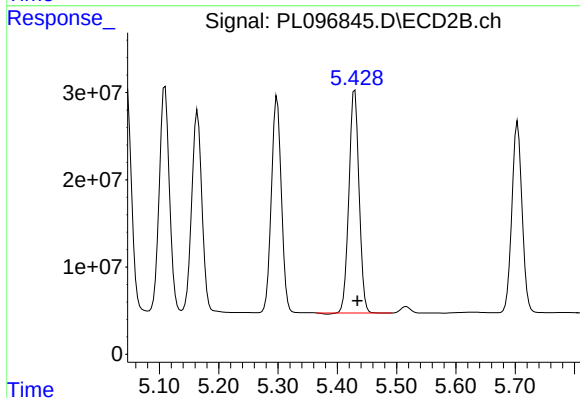
R.T.: 5.298 min
Delta R.T.: -0.006 min
Response: 288452466
Conc: 52.31 ng/ml



#13 Dieldrin

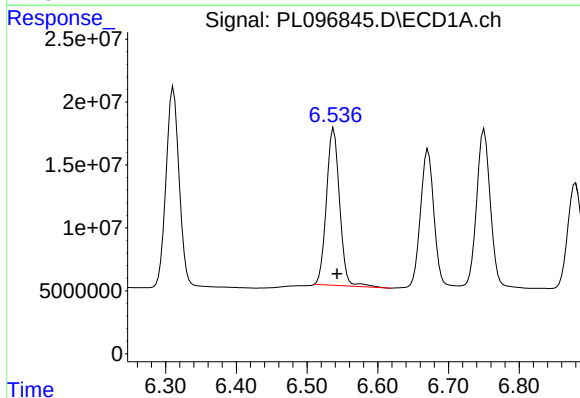
R.T.: 6.311 min
Delta R.T.: -0.005 min
Response: 206164779
Conc: 55.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



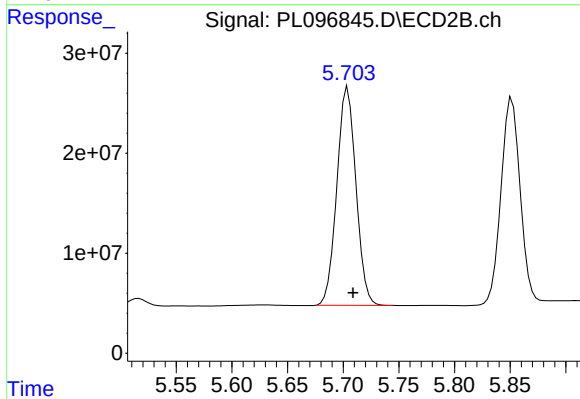
#13 Dieldrin

R.T.: 5.429 min
Delta R.T.: -0.005 min
Response: 303640842
Conc: 51.41 ng/ml



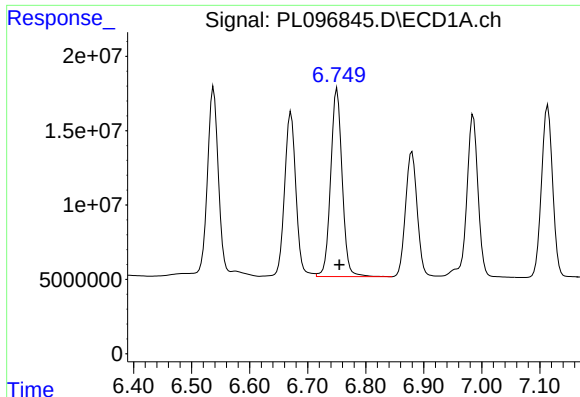
#14 Endrin

R.T.: 6.538 min
Delta R.T.: -0.005 min
Response: 161780527
Conc: 53.45 ng/ml



#14 Endrin

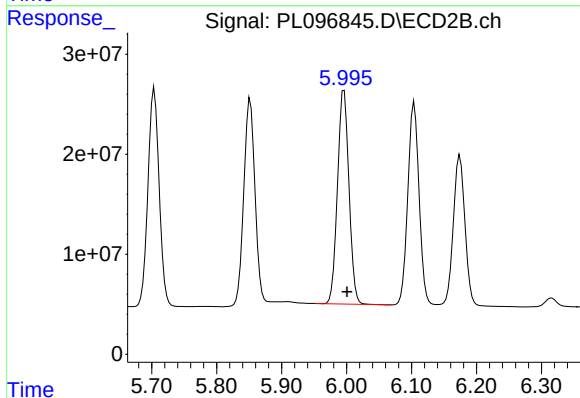
R.T.: 5.704 min
Delta R.T.: -0.005 min
Response: 260371798
Conc: 48.16 ng/ml



#15 Endosulfan II

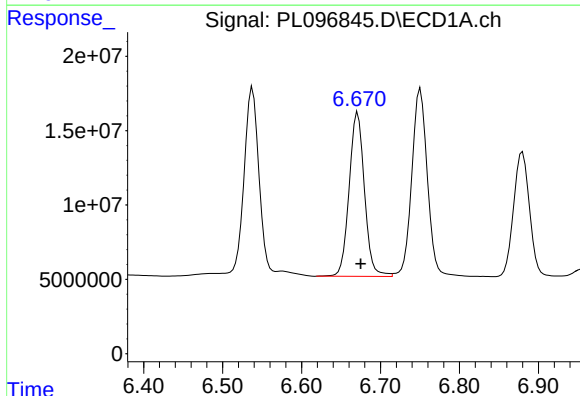
R.T.: 6.751 min
Delta R.T.: -0.004 min
Response: 173536077
Conc: 54.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



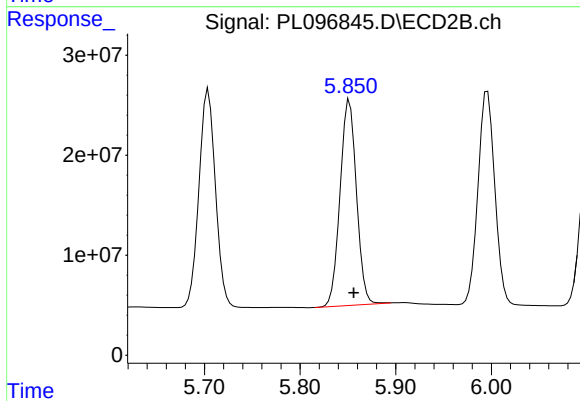
#15 Endosulfan II

R.T.: 5.996 min
Delta R.T.: -0.005 min
Response: 262493294
Conc: 51.11 ng/ml



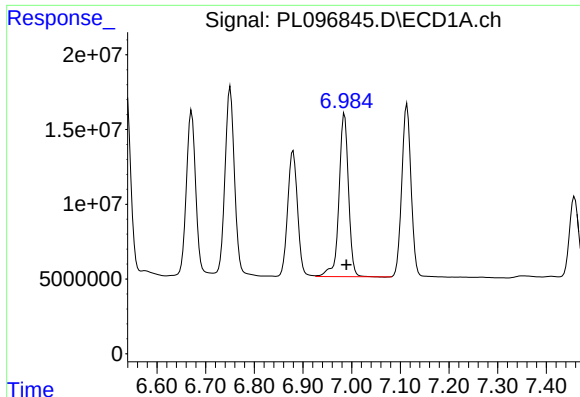
#16 4,4'-DDD

R.T.: 6.671 min
Delta R.T.: -0.004 min
Response: 148695821
Conc: 58.81 ng/ml



#16 4,4'-DDD

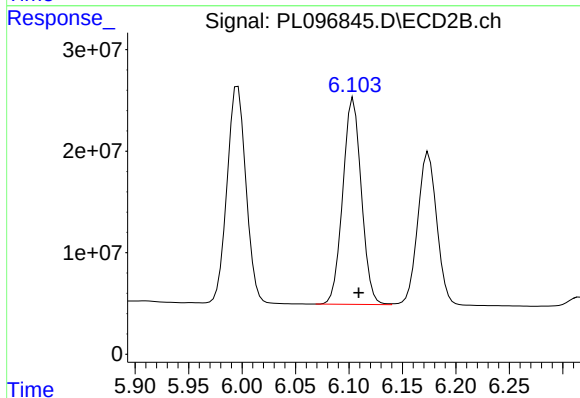
R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 246064001
Conc: 52.30 ng/ml



#17 4,4'-DDT

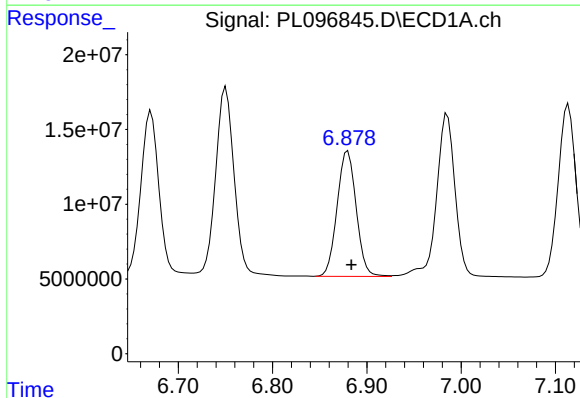
R.T.: 6.985 min
Delta R.T.: -0.004 min
Response: 147255191
Conc: 51.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



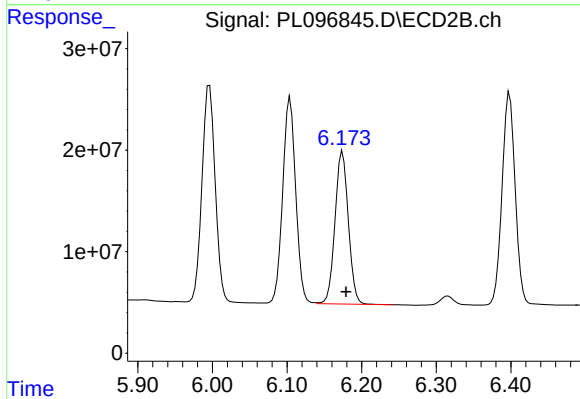
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 245739224
Conc: 48.58 ng/ml



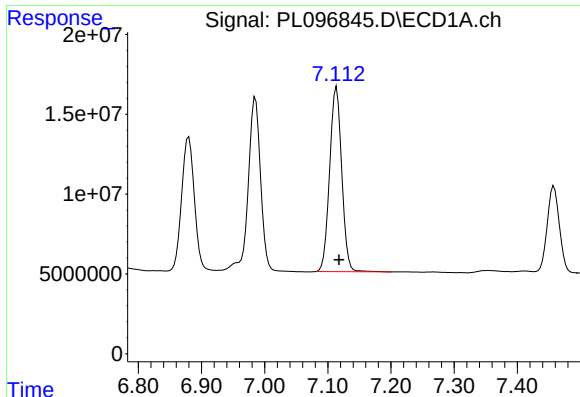
#18 Endrin aldehyde

R.T.: 6.880 min
Delta R.T.: -0.004 min
Response: 117931640
Conc: 54.96 ng/ml



#18 Endrin aldehyde

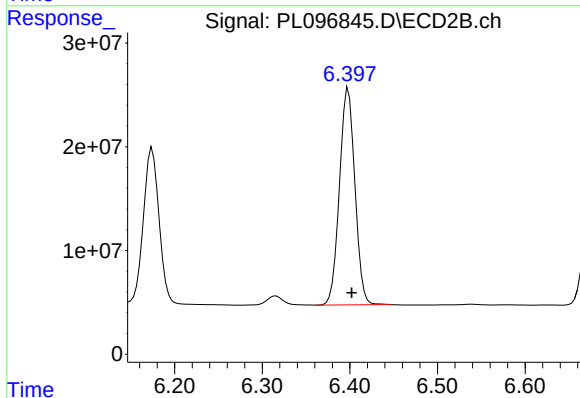
R.T.: 6.174 min
Delta R.T.: -0.005 min
Response: 186925672
Conc: 51.42 ng/ml



#19 Endosulfan Sulfate

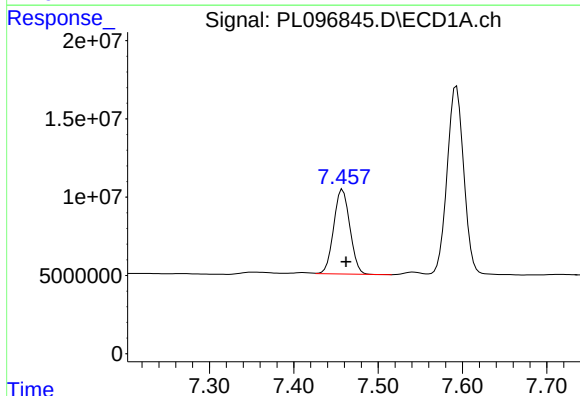
R.T.: 7.114 min
Delta R.T.: -0.004 min
Response: 154007200
Conc: 53.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



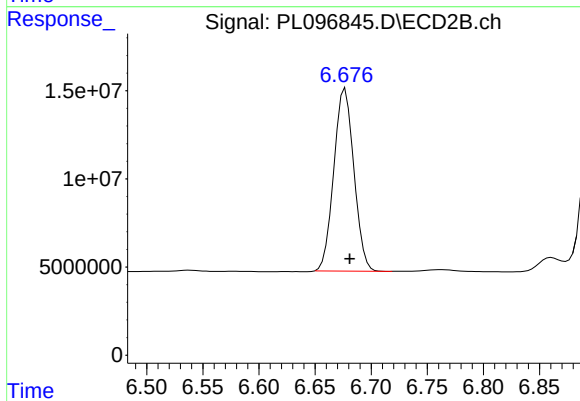
#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 256253832
Conc: 50.38 ng/ml



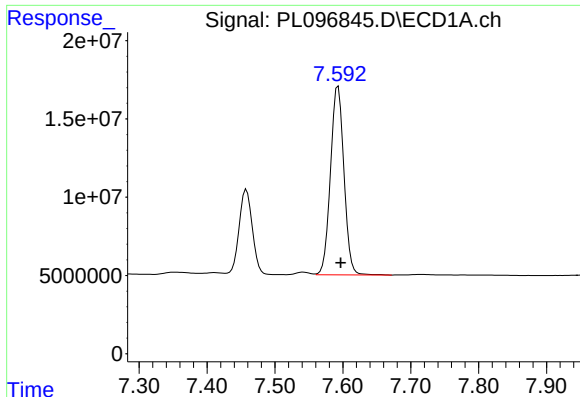
#20 Methoxychlor

R.T.: 7.458 min
Delta R.T.: -0.004 min
Response: 72091292
Conc: 49.10 ng/ml



#20 Methoxychlor

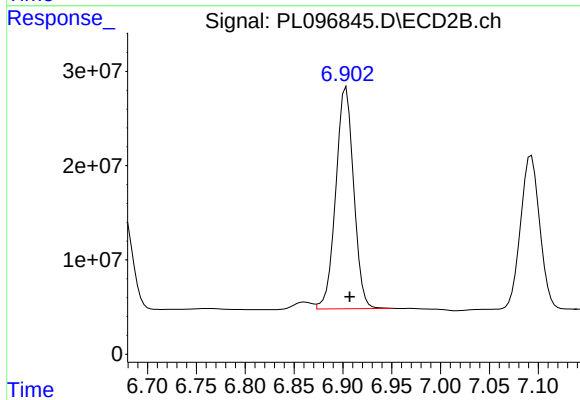
R.T.: 6.677 min
Delta R.T.: -0.004 min
Response: 128795259
Conc: 47.00 ng/ml



#21 Endrin ketone

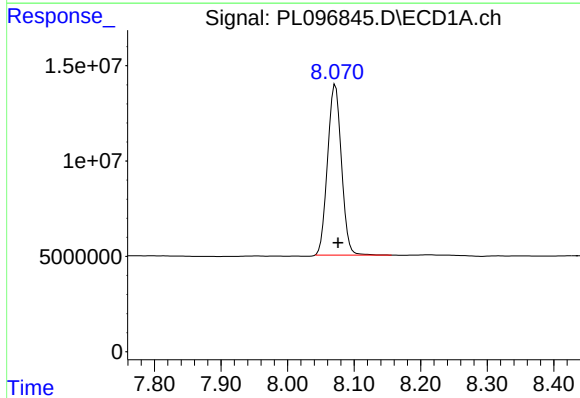
R.T.: 7.593 min
Delta R.T.: -0.004 min
Response: 165953120
Conc: 55.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



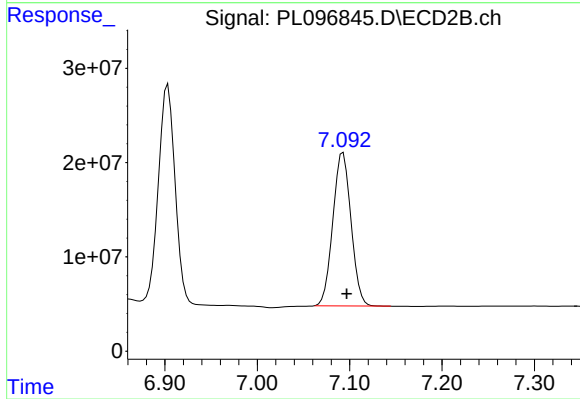
#21 Endrin ketone

R.T.: 6.903 min
Delta R.T.: -0.004 min
Response: 300116611
Conc: 53.88 ng/ml



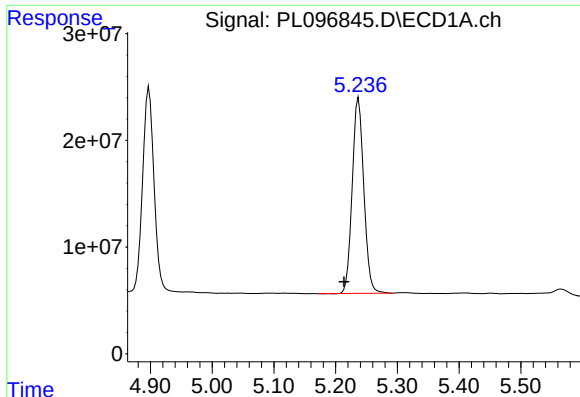
#22 Mirex

R.T.: 8.072 min
Delta R.T.: -0.004 min
Response: 129669267
Conc: 52.30 ng/ml



#22 Mirex

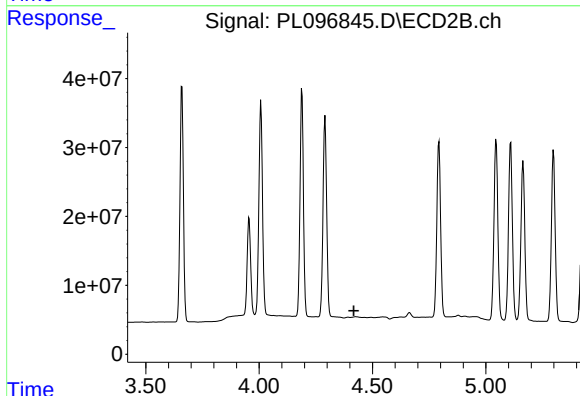
R.T.: 7.093 min
Delta R.T.: -0.004 min
Response: 222045146
Conc: 50.92 ng/ml



#24 Chlordane-2

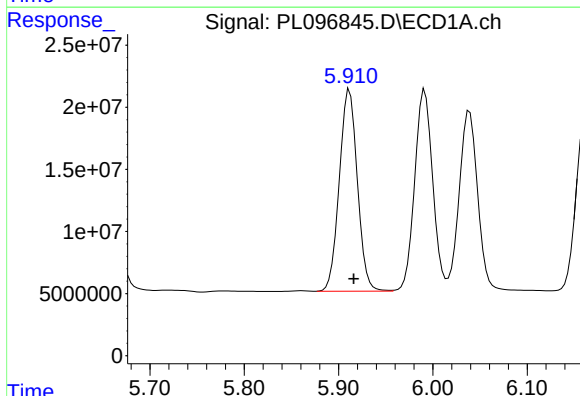
R.T.: 5.237 min
Delta R.T.: 0.024 min
Response: 239307933
Conc: 1367.42 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



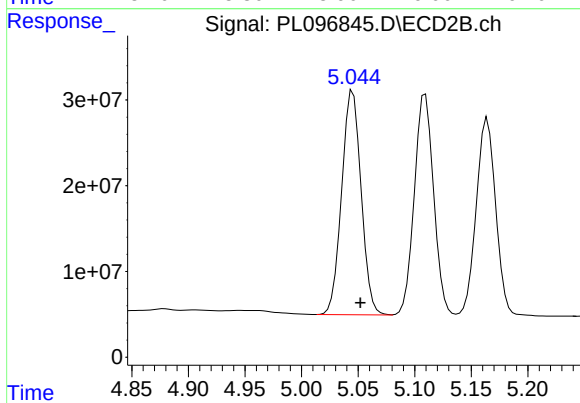
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.418 min
Response: 0
Conc: N.D.



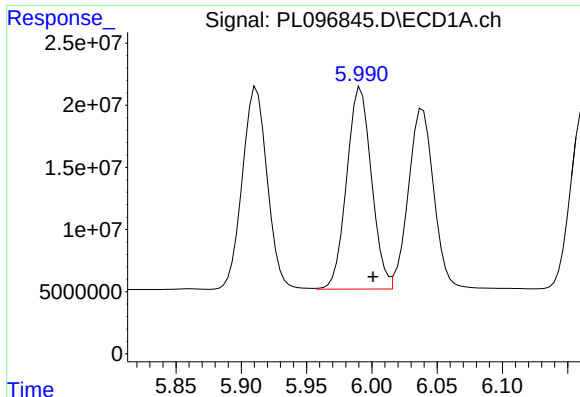
#25 Chlordane-3

R.T.: 5.912 min
Delta R.T.: -0.005 min
Response: 216300962
Conc: 323.83 ng/ml



#25 Chlordane-3

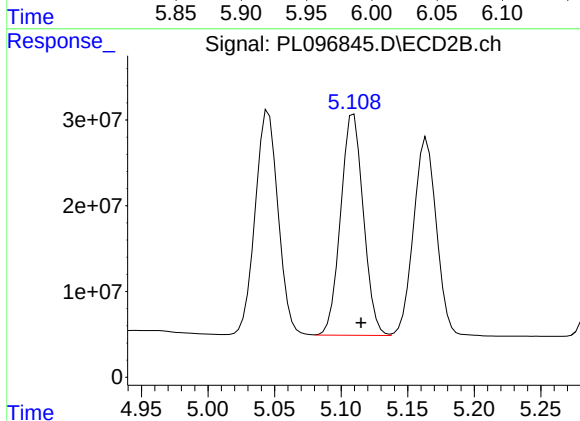
R.T.: 5.045 min
Delta R.T.: -0.007 min
Response: 313186300
Conc: 450.43 ng/ml



#26 Chlordane-4

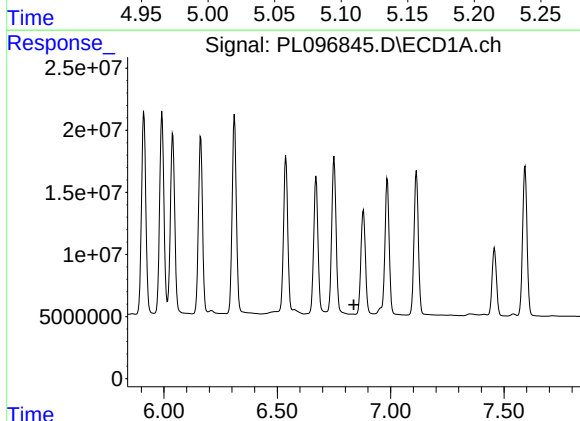
R.T.: 5.991 min
Delta R.T.: -0.010 min
Response: 214632911
Conc: 259.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



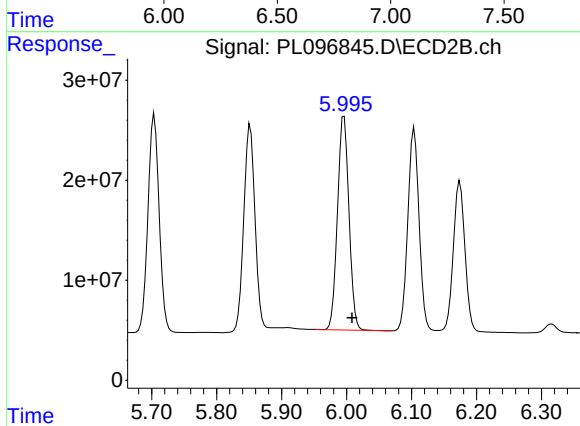
#26 Chlordane-4

R.T.: 5.109 min
Delta R.T.: -0.005 min
Response: 306324746
Conc: 492.22 ng/ml



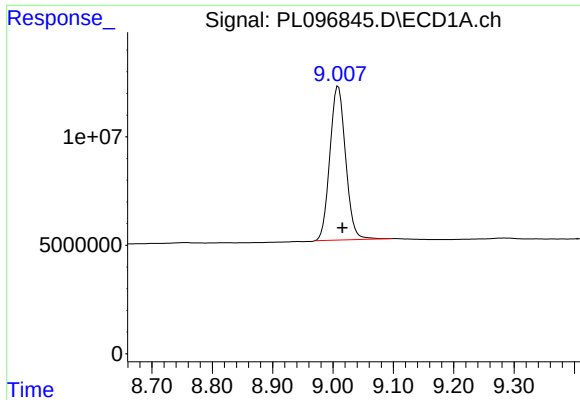
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.838 min
Response: 0
Conc: N.D.



#27 Chlordane-5

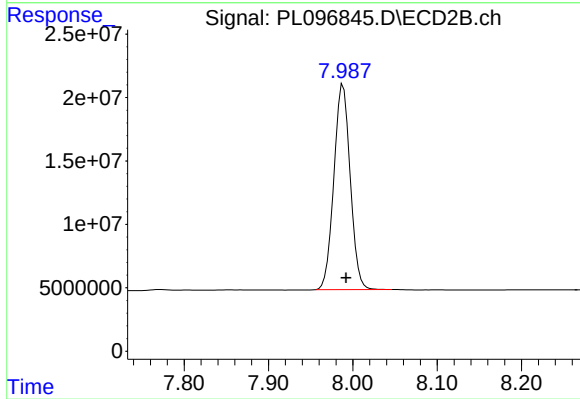
R.T.: 5.996 min
Delta R.T.: -0.013 min
Response: 262493294
Conc: 1028.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.009 min
Delta R.T.: -0.007 min
Response: 128422027
Conc: 53.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.989 min
Delta R.T.: -0.004 min
Response: 218134870
Conc: 50.28 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
 Data File : PL096850.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 12:53
 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: Aug 18 16:14:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.825	180.5E6	258.1E6	56.743	54.013
28)	SA Decachlor...	9.005	7.987	125.2E6	215.8E6	52.509	49.743
Target Compounds							
2)	A alpha-BHC	3.978	3.331	264.2E6	382.2E6	57.098	54.010
3)	MA gamma-BHC...	4.305	3.663	246.4E6	354.3E6	55.695	53.650
4)	MA Heptachlor	4.897	4.011	243.4E6	342.8E6	58.563	51.453
5)	MB Aldrin	5.236	4.293	239.5E6	326.2E6	55.696	52.556
6)	B beta-BHC	4.492	3.959	100.4E6	151.9E6	55.639	53.854
7)	B delta-BHC	4.738	4.191	230.8E6	345.4E6	57.846	53.355
8)	B Heptachlo...	5.656	4.795	216.8E6	295.1E6	56.227	51.661
9)	A Endosulfan I	6.037	5.166	194.7E6	272.8E6	54.131	49.314
10)	B gamma-Chl...	5.909	5.047	214.7E6	307.6E6	56.428	52.309
11)	B alpha-Chl...	5.990	5.111	213.9E6	301.7E6	55.491	51.139
12)	B 4,4'-DDE	6.160	5.300	177.0E6	284.8E6	55.124	51.643
13)	MA Dieldrin	6.309	5.431	202.8E6	303.2E6	54.636	51.330
14)	MA Endrin	6.536	5.705	153.1E6	259.3E6	50.576	47.971
15)	B Endosulfa...	6.748	5.997	179.8E6	260.0E6	56.140	50.628
16)	A 4,4'-DDD	6.669	5.852	144.7E6	245.1E6	57.213	52.092
17)	MA 4,4'-DDT	6.983	6.105	146.7E6	240.9E6	51.141	47.630
18)	B Endrin al...	6.877	6.175	119.2E6	190.7E6	55.544	52.471
19)	B Endosulfa...	7.110	6.398	150.1E6	251.8E6	52.224	49.499
20)	A Methoxychlor	7.455	6.676	72047040	127.7E6	49.067	46.583
21)	B Endrin ke...	7.590	6.902	162.4E6	297.4E6	54.012	53.401
22)	Mirex	8.069	7.093	125.4E6	218.4E6	50.561	50.088
24)	Chlordane-2	5.236f	0.000	239.5E6	0	1368.793	N.D. #
25)	Chlordane-3	5.909	5.047	214.7E6	307.6E6	321.472	442.377 #
26)	Chlordane-4	5.990	5.111	213.9E6	301.7E6	258.427	484.731 #
27)	Chlordane-5	0.000	5.997	0	260.0E6	N.D.	1019.308 #

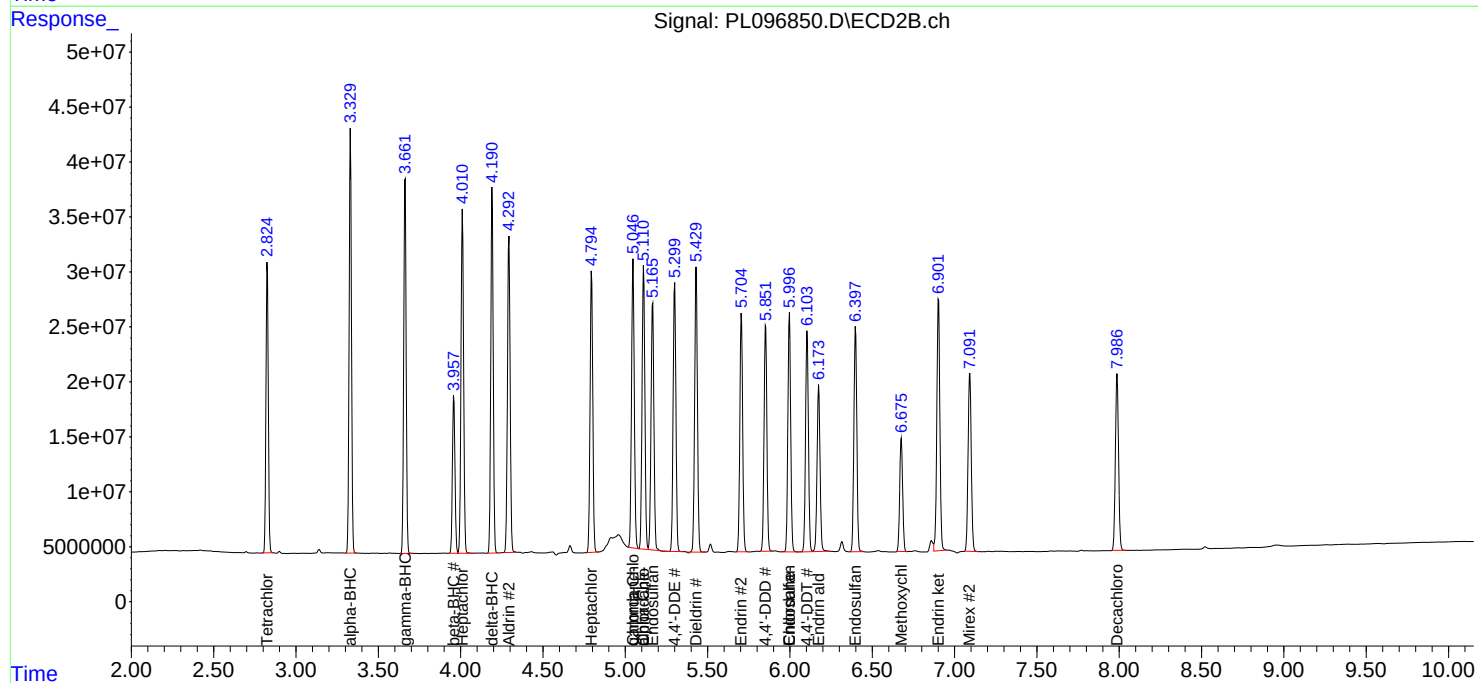
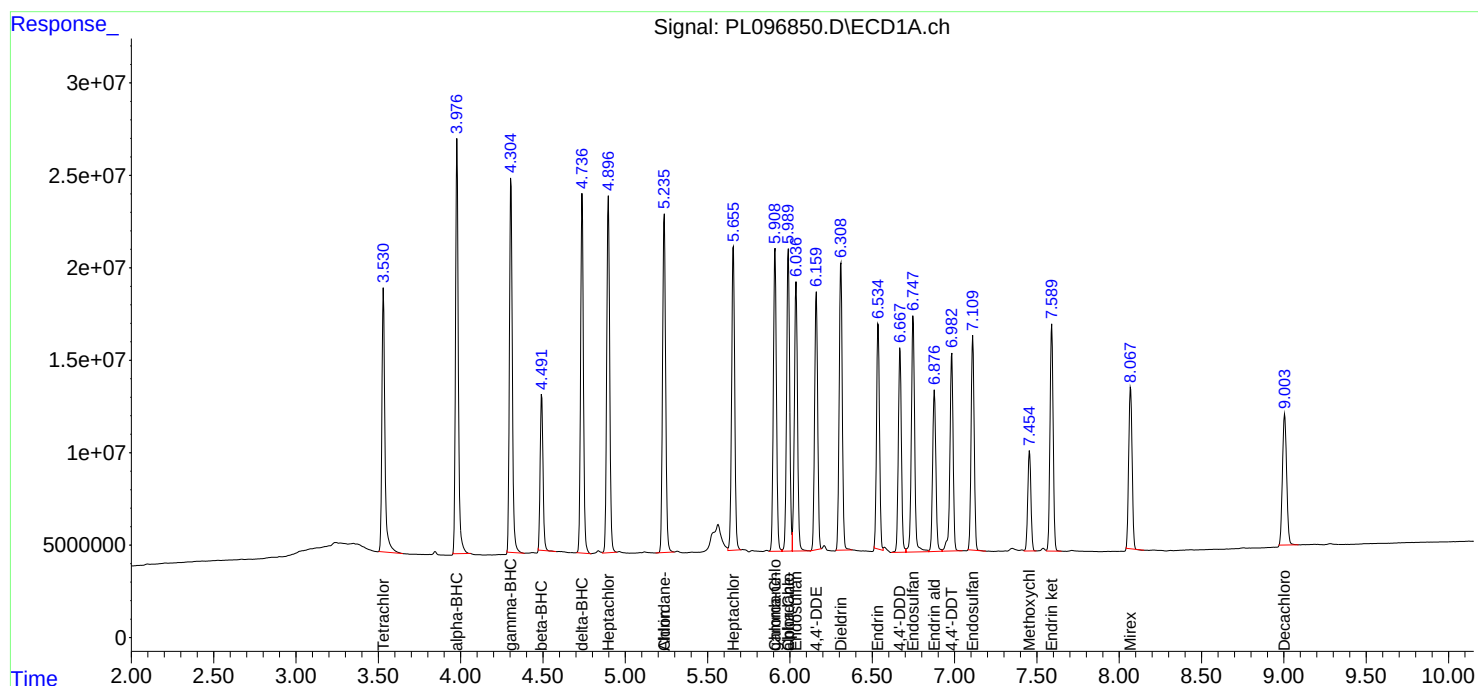
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

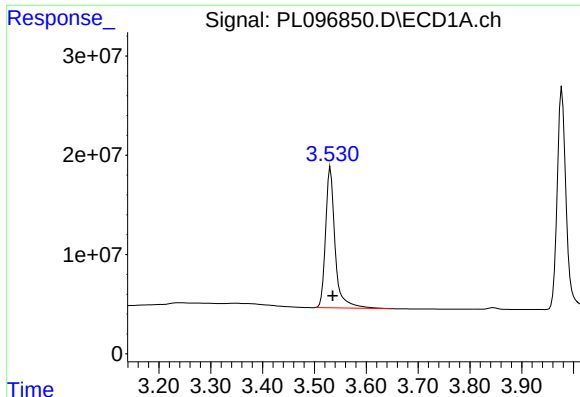
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 12:53
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 16:14:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

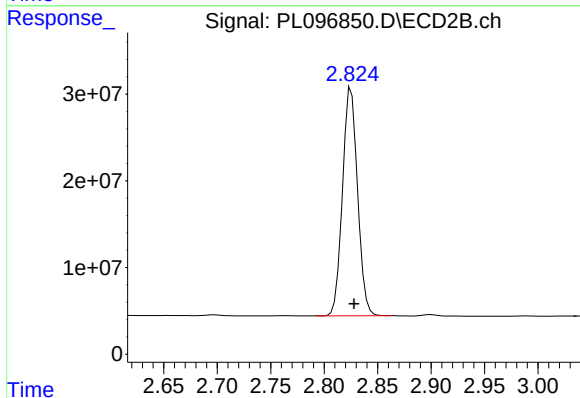




#1 Tetrachloro-m-xylene

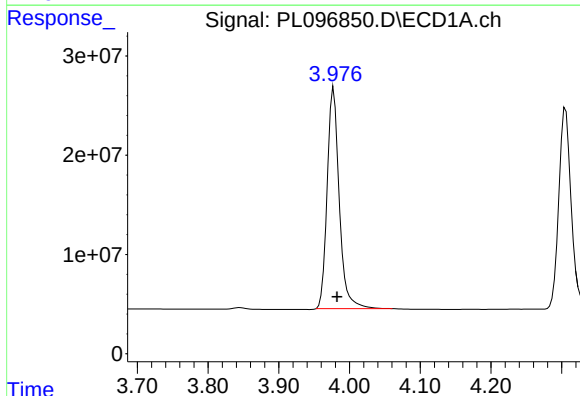
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 180486809
Conc: 56.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



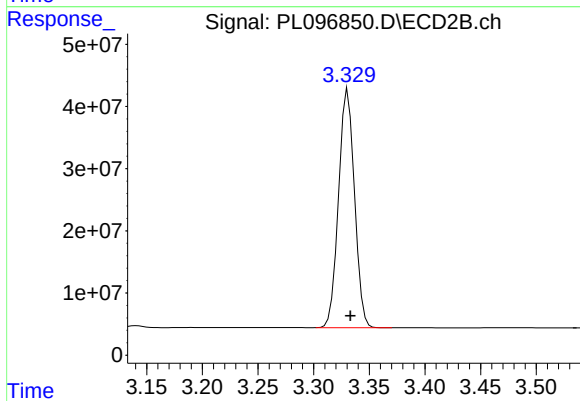
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 258062587
Conc: 54.01 ng/ml



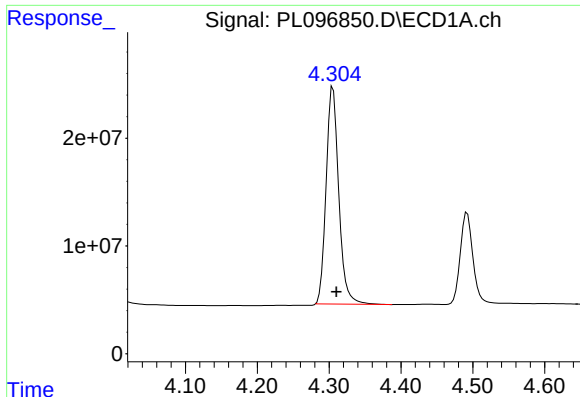
#2 alpha-BHC

R.T.: 3.978 min
Delta R.T.: -0.004 min
Response: 264153310
Conc: 57.10 ng/ml



#2 alpha-BHC

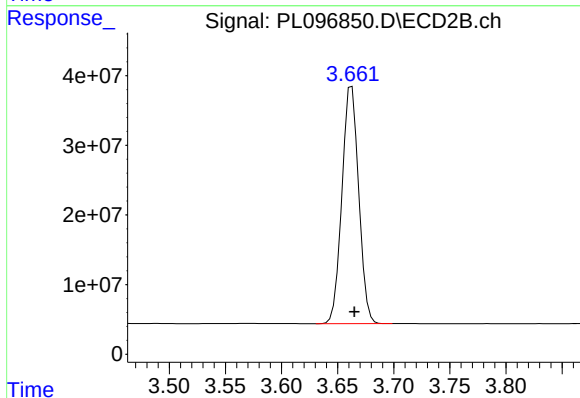
R.T.: 3.331 min
Delta R.T.: -0.002 min
Response: 382230166
Conc: 54.01 ng/ml



#3 gamma-BHC (Lindane)

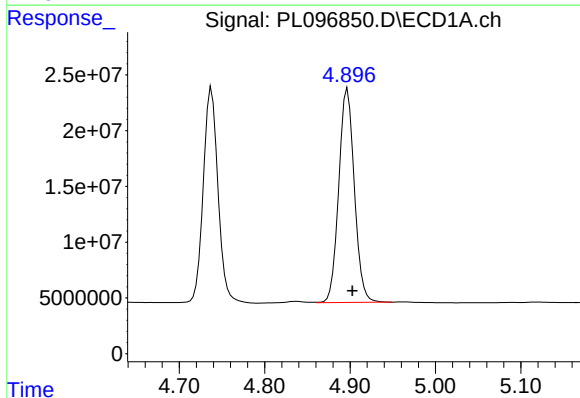
R.T.: 4.305 min
Delta R.T.: -0.005 min
Response: 246361977
Conc: 55.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



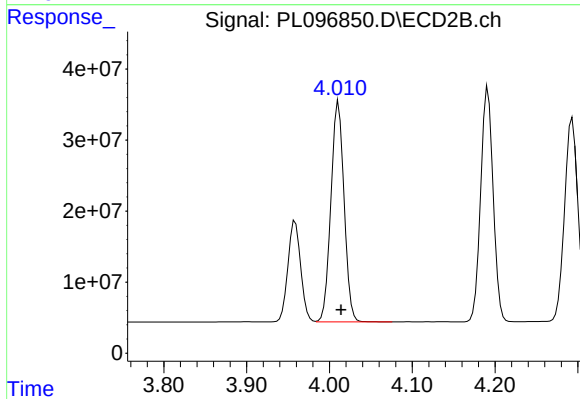
#3 gamma-BHC (Lindane)

R.T.: 3.663 min
Delta R.T.: -0.002 min
Response: 354267631
Conc: 53.65 ng/ml



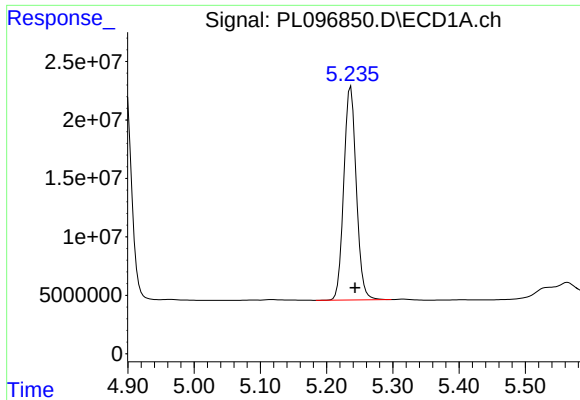
#4 Heptachlor

R.T.: 4.897 min
Delta R.T.: -0.006 min
Response: 243370604
Conc: 58.56 ng/ml



#4 Heptachlor

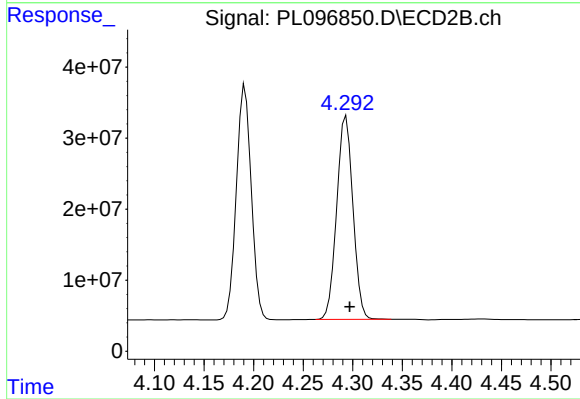
R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 342778742
Conc: 51.45 ng/ml



#5 Aldrin

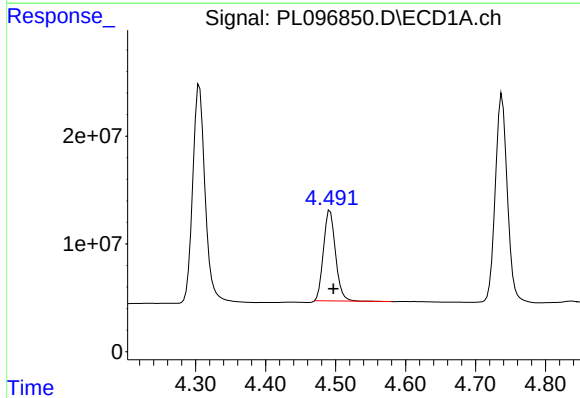
R.T.: 5.236 min
Delta R.T.: -0.006 min
Response: 239548150
Conc: 55.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



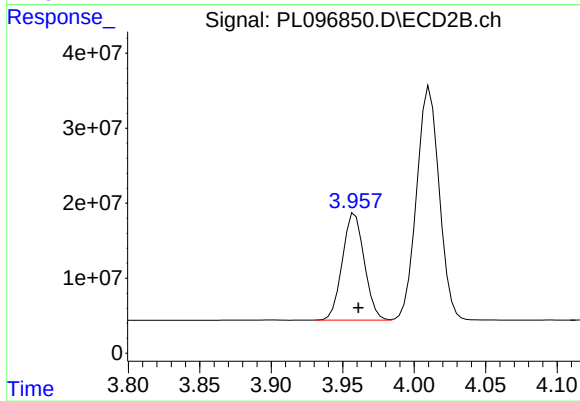
#5 Aldrin

R.T.: 4.293 min
Delta R.T.: -0.004 min
Response: 326218108
Conc: 52.56 ng/ml



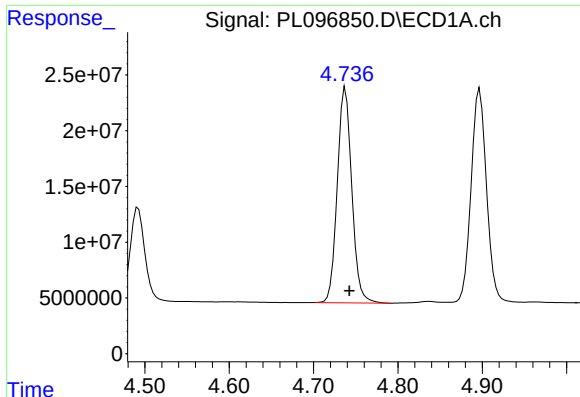
#6 beta-BHC

R.T.: 4.492 min
Delta R.T.: -0.005 min
Response: 100427450
Conc: 55.64 ng/ml



#6 beta-BHC

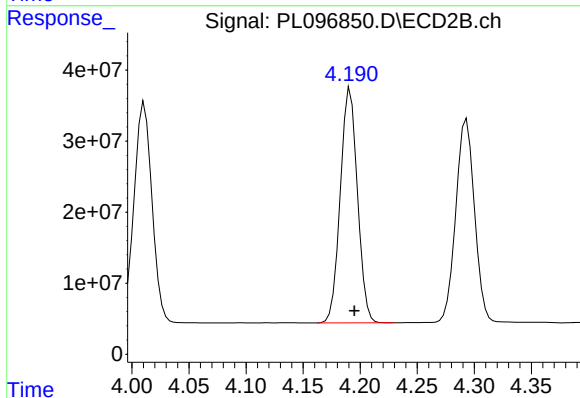
R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 151916219
Conc: 53.85 ng/ml



#7 delta-BHC

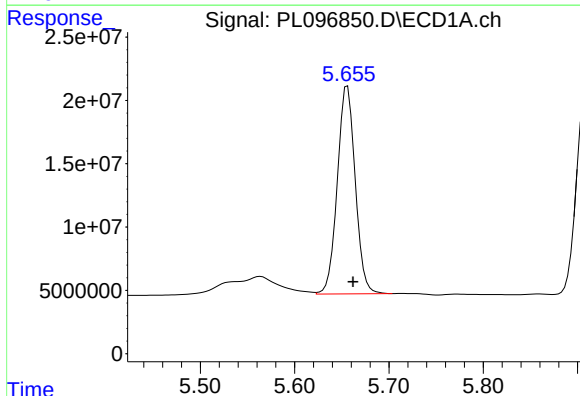
R.T.: 4.738 min
Delta R.T.: -0.005 min
Response: 230798856
Conc: 57.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



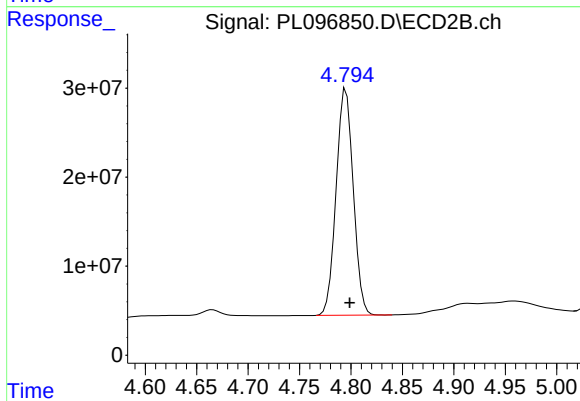
#7 delta-BHC

R.T.: 4.191 min
Delta R.T.: -0.004 min
Response: 345402486
Conc: 53.36 ng/ml



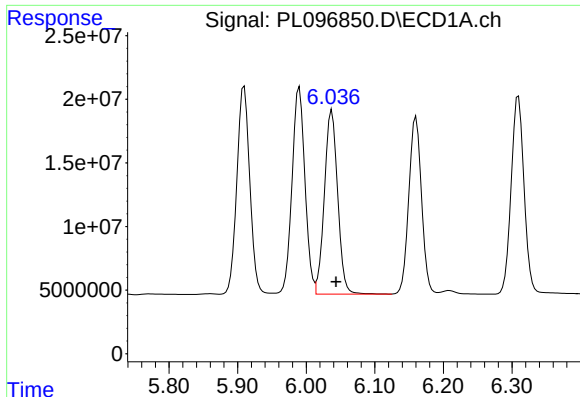
#8 Heptachlor epoxide

R.T.: 5.656 min
Delta R.T.: -0.006 min
Response: 216841548
Conc: 56.23 ng/ml



#8 Heptachlor epoxide

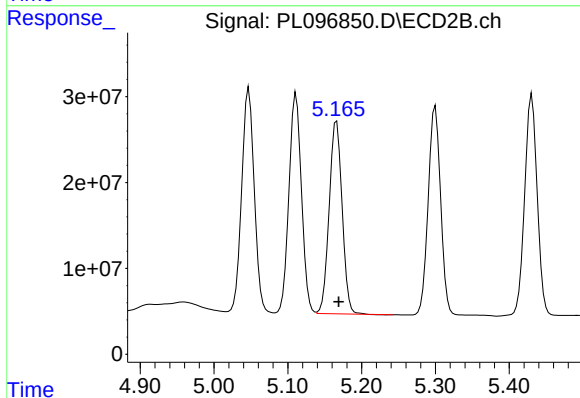
R.T.: 4.795 min
Delta R.T.: -0.004 min
Response: 295053706
Conc: 51.66 ng/ml



#9 Endosulfan I

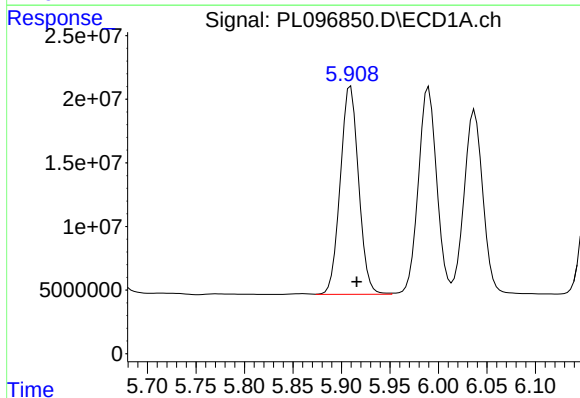
R.T.: 6.037 min
Delta R.T.: -0.006 min
Response: 194673996
Conc: 54.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



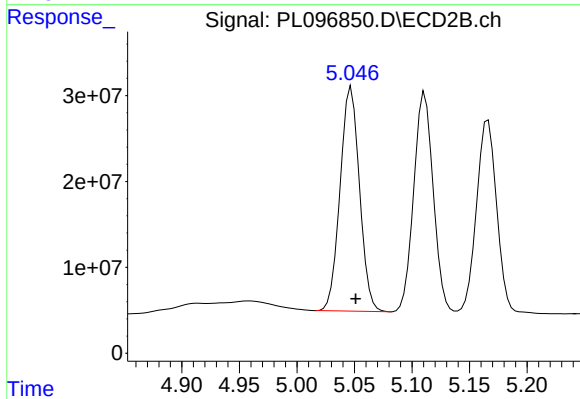
#9 Endosulfan I

R.T.: 5.166 min
Delta R.T.: -0.003 min
Response: 272775922
Conc: 49.31 ng/ml



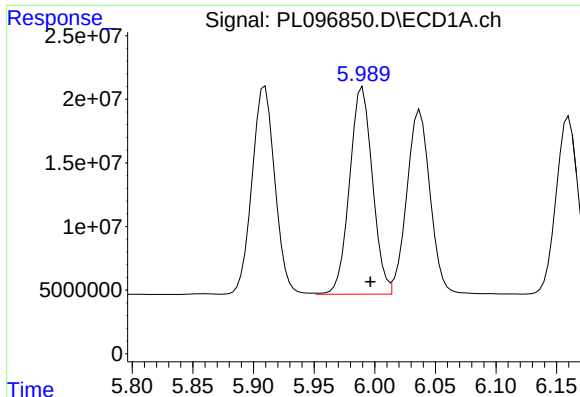
#10 gamma-Chlordane

R.T.: 5.909 min
Delta R.T.: -0.006 min
Response: 214722800
Conc: 56.43 ng/ml



#10 gamma-Chlordane

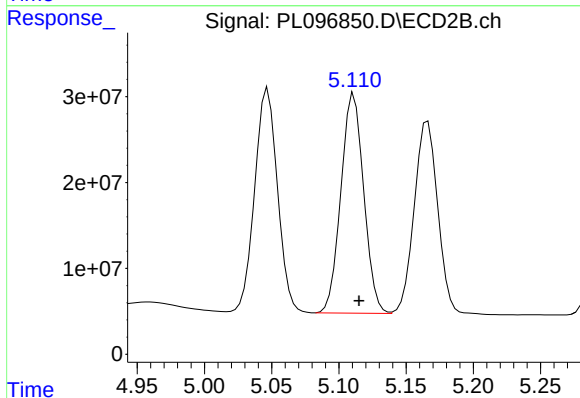
R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 307585622
Conc: 52.31 ng/ml



#11 alpha-Chlordane

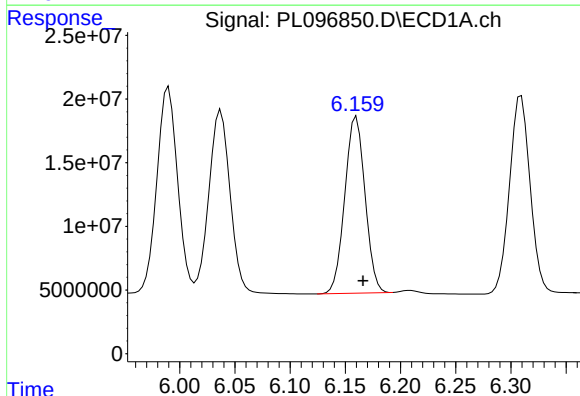
R.T.: 5.990 min
Delta R.T.: -0.007 min
Response: 21390002
Conc: 55.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



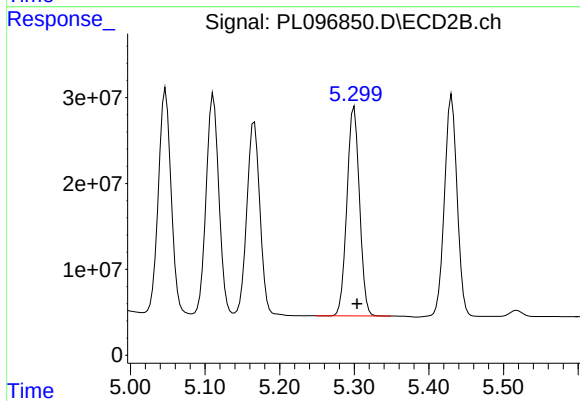
#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 301663826
Conc: 51.14 ng/ml



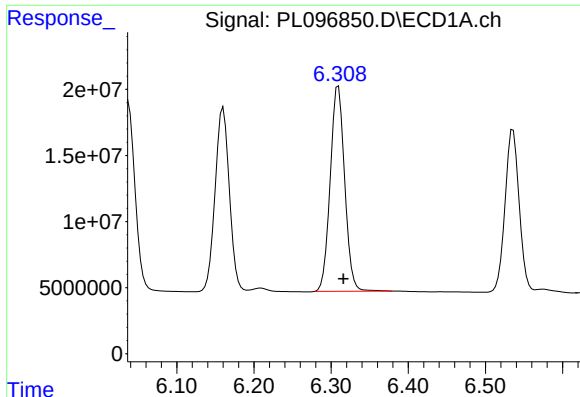
#12 4,4'-DDE

R.T.: 6.160 min
Delta R.T.: -0.006 min
Response: 177016085
Conc: 55.12 ng/ml



#12 4,4'-DDE

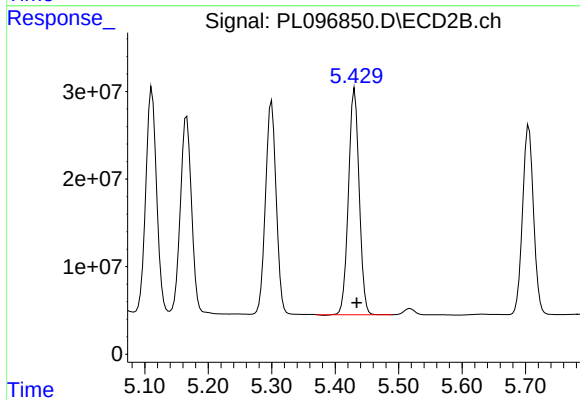
R.T.: 5.300 min
Delta R.T.: -0.004 min
Response: 284781762
Conc: 51.64 ng/ml



#13 Dieldrin

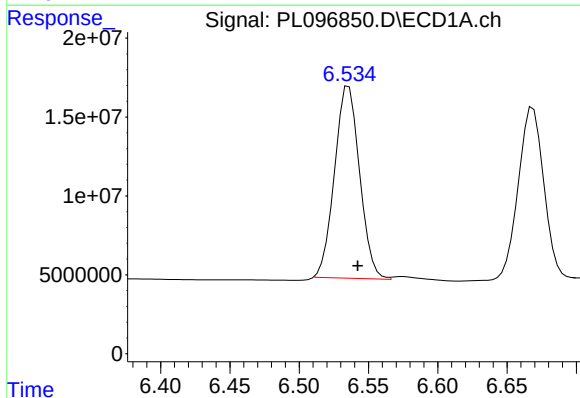
R.T.: 6.309 min
Delta R.T.: -0.006 min
Response: 202760836
Conc: 54.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



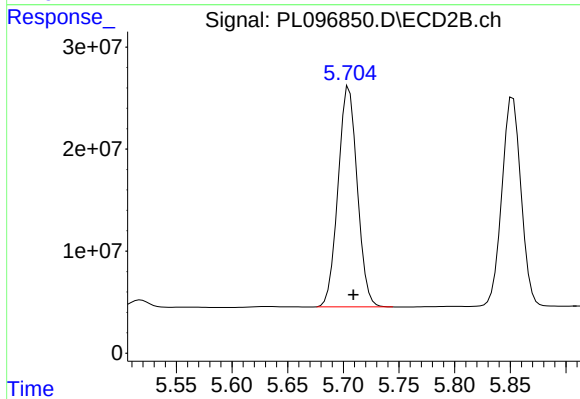
#13 Dieldrin

R.T.: 5.431 min
Delta R.T.: -0.003 min
Response: 303181110
Conc: 51.33 ng/ml



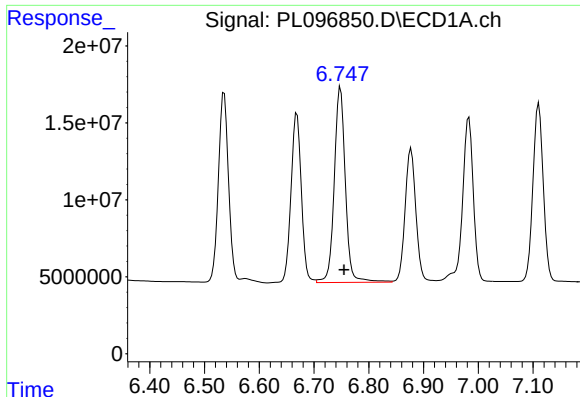
#14 Endrin

R.T.: 6.536 min
Delta R.T.: -0.007 min
Response: 153081763
Conc: 50.58 ng/ml



#14 Endrin

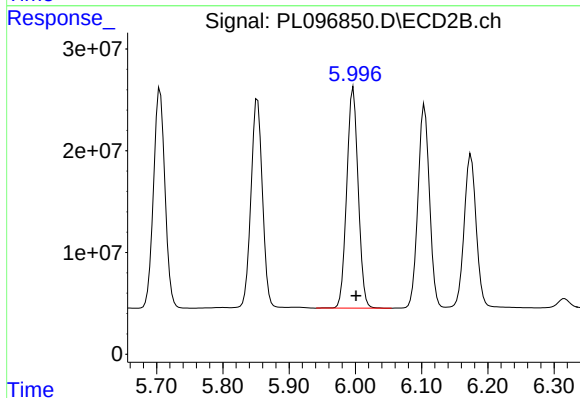
R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 259330218
Conc: 47.97 ng/ml



#15 Endosulfan II

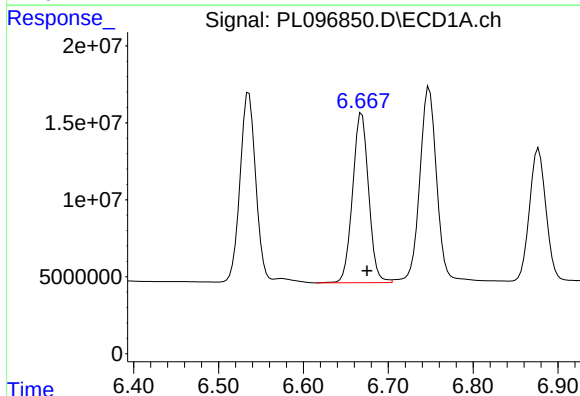
R.T.: 6.748 min
Delta R.T.: -0.007 min
Response: 179795338
Conc: 56.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



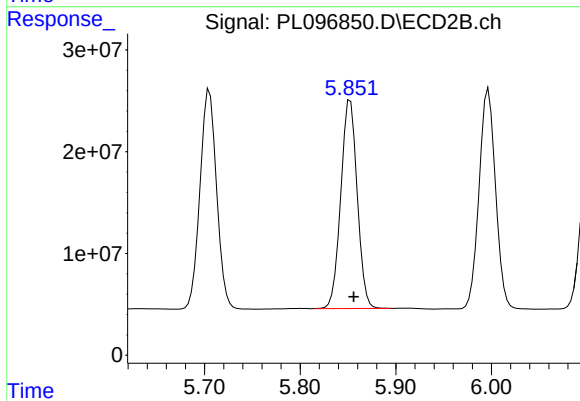
#15 Endosulfan II

R.T.: 5.997 min
Delta R.T.: -0.004 min
Response: 260037643
Conc: 50.63 ng/ml



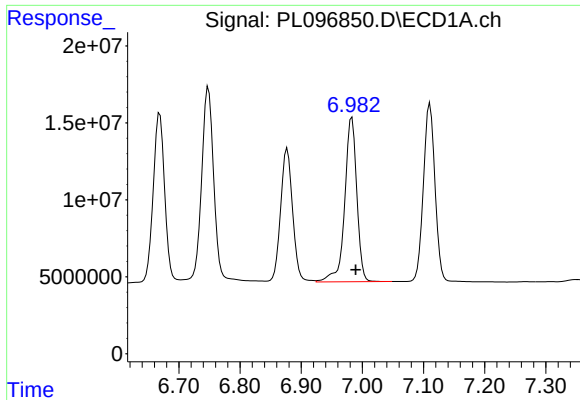
#16 4,4'-DDD

R.T.: 6.669 min
Delta R.T.: -0.006 min
Response: 144655392
Conc: 57.21 ng/ml



#16 4,4'-DDD

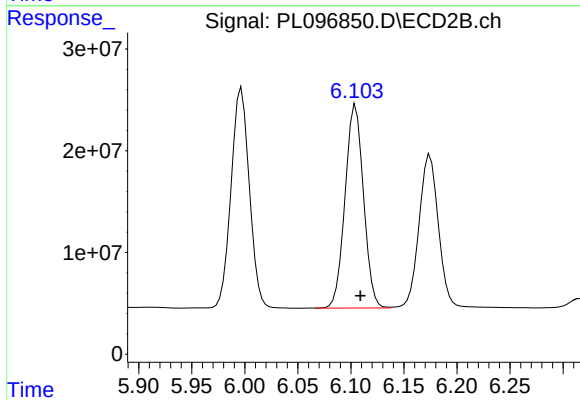
R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 245109783
Conc: 52.09 ng/ml



#17 4,4'-DDT

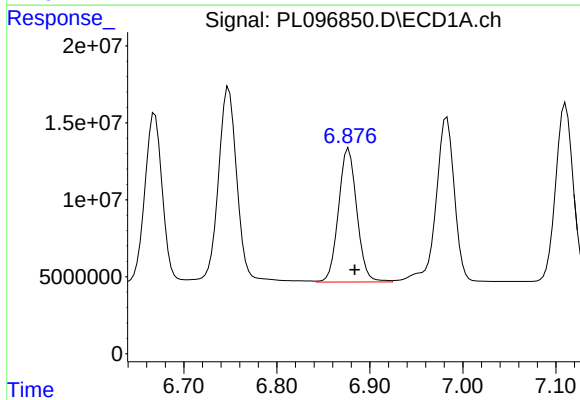
R.T.: 6.983 min
Delta R.T.: -0.006 min
Response: 146657638
Conc: 51.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



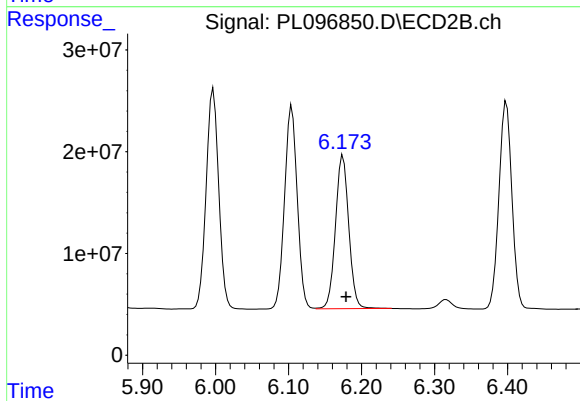
#17 4,4'-DDT

R.T.: 6.105 min
Delta R.T.: -0.004 min
Response: 240928658
Conc: 47.63 ng/ml



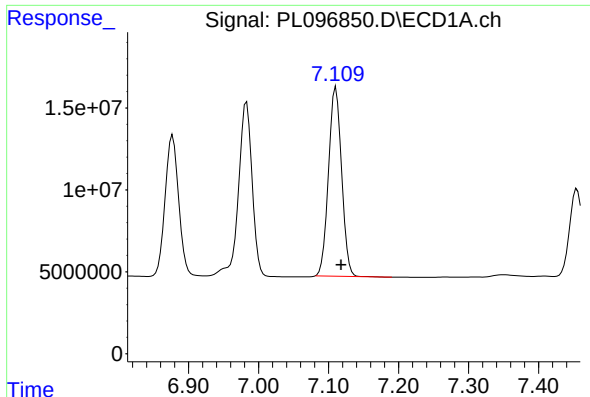
#18 Endrin aldehyde

R.T.: 6.877 min
Delta R.T.: -0.006 min
Response: 119191848
Conc: 55.54 ng/ml



#18 Endrin aldehyde

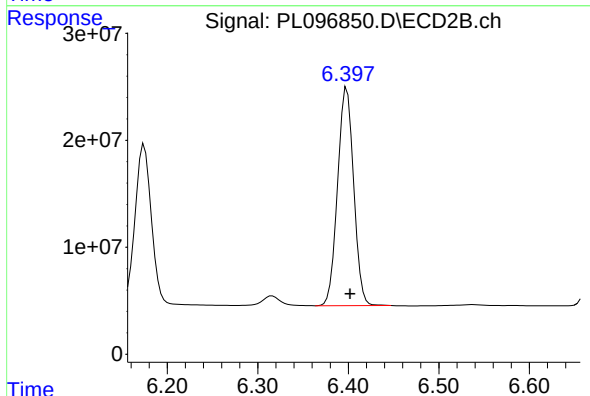
R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 190732922
Conc: 52.47 ng/ml



#19 Endosulfan Sulfate

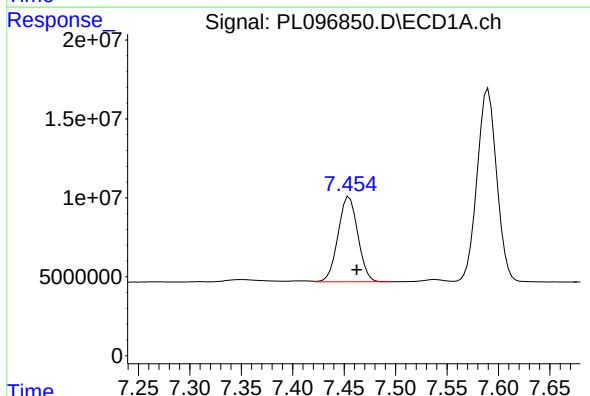
R.T.: 7.110 min
Delta R.T.: -0.007 min
Response: 150077065
Conc: 52.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



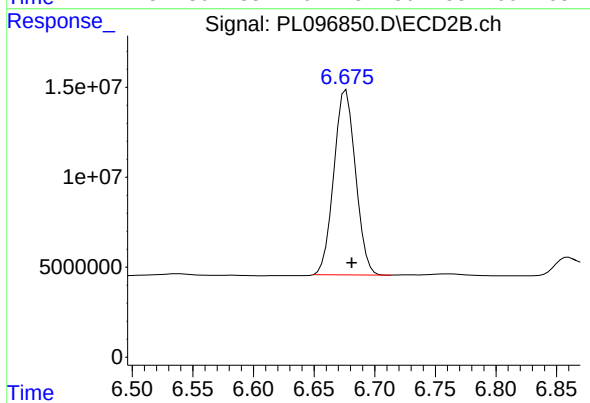
#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 251764095
Conc: 49.50 ng/ml



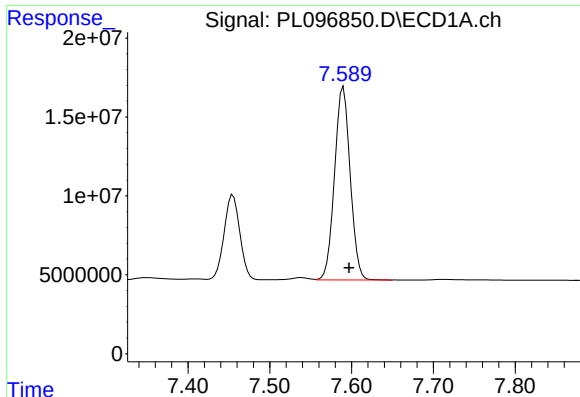
#20 Methoxychlor

R.T.: 7.455 min
Delta R.T.: -0.007 min
Response: 72047040
Conc: 49.07 ng/ml



#20 Methoxychlor

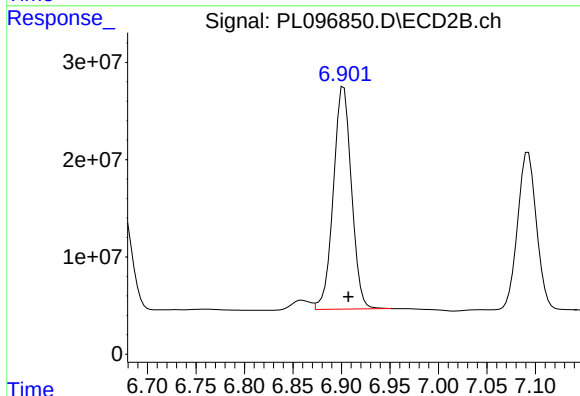
R.T.: 6.676 min
Delta R.T.: -0.005 min
Response: 127661189
Conc: 46.58 ng/ml



#21 Endrin ketone

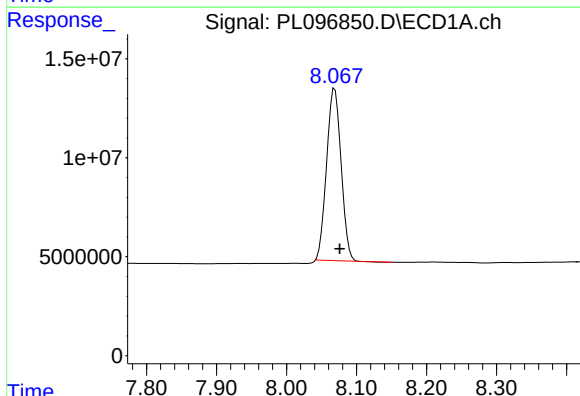
R.T.: 7.590 min
Delta R.T.: -0.007 min
Response: 162398327
Conc: 54.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



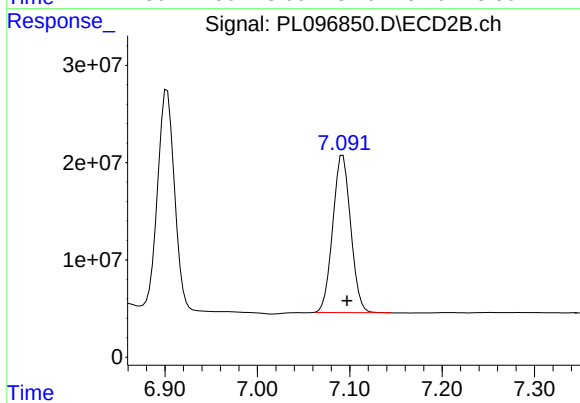
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 297432233
Conc: 53.40 ng/ml



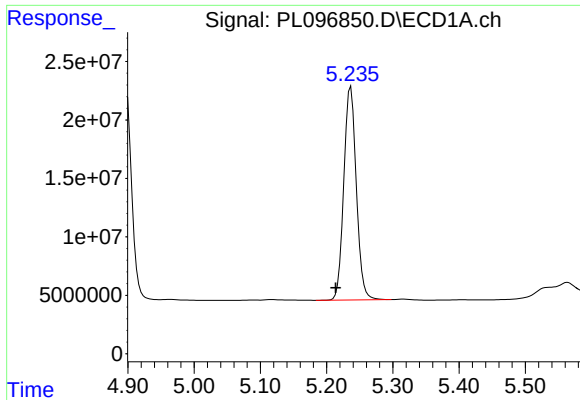
#22 Mirex

R.T.: 8.069 min
Delta R.T.: -0.007 min
Response: 125358145
Conc: 50.56 ng/ml



#22 Mirex

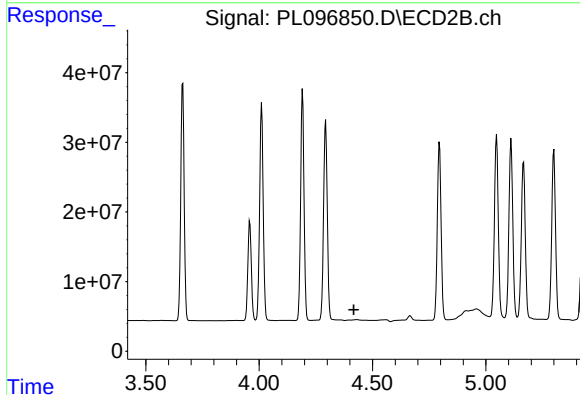
R.T.: 7.093 min
Delta R.T.: -0.004 min
Response: 218428879
Conc: 50.09 ng/ml



#24 Chlordane-2

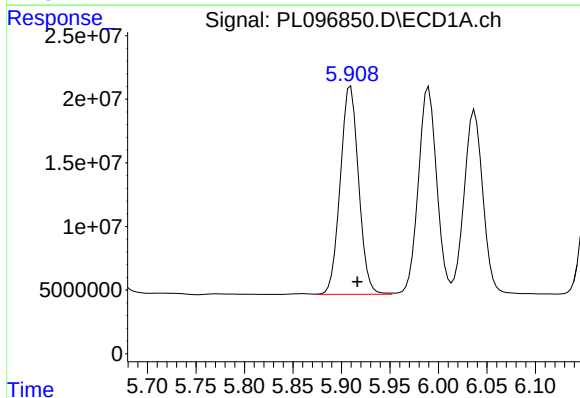
R.T.: 5.236 min
Delta R.T.: 0.023 min
Response: 239548150
Conc: 1368.79 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



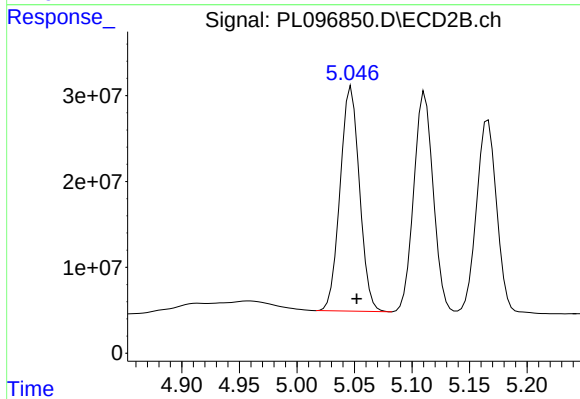
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.418 min
Response: 0
Conc: N.D.



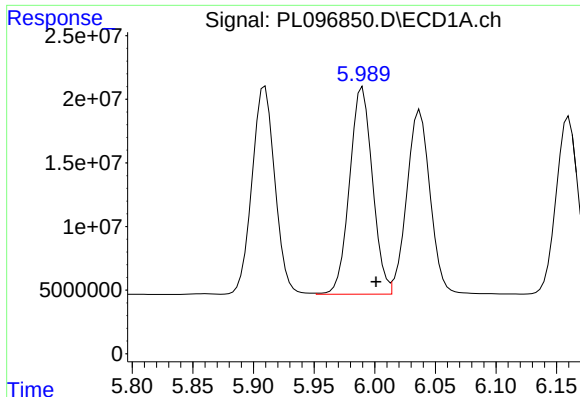
#25 Chlordane-3

R.T.: 5.909 min
Delta R.T.: -0.007 min
Response: 214722800
Conc: 321.47 ng/ml



#25 Chlordane-3

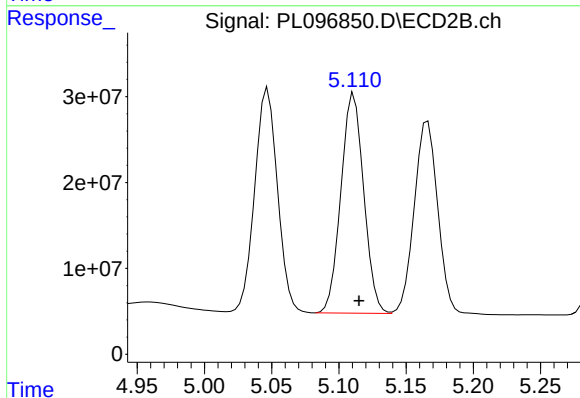
R.T.: 5.047 min
Delta R.T.: -0.005 min
Response: 307585622
Conc: 442.38 ng/ml



#26 Chlordane-4

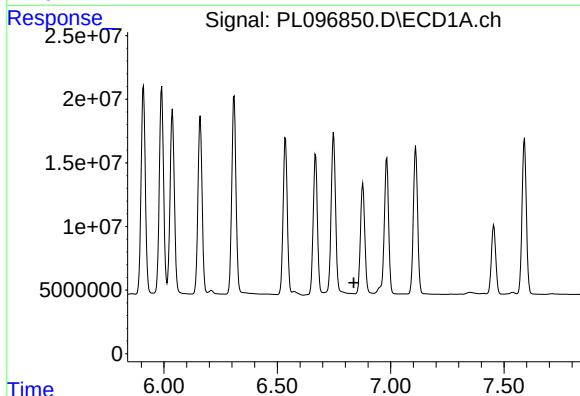
R.T.: 5.990 min
Delta R.T.: -0.011 min
Response: 21390002
Conc: 258.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



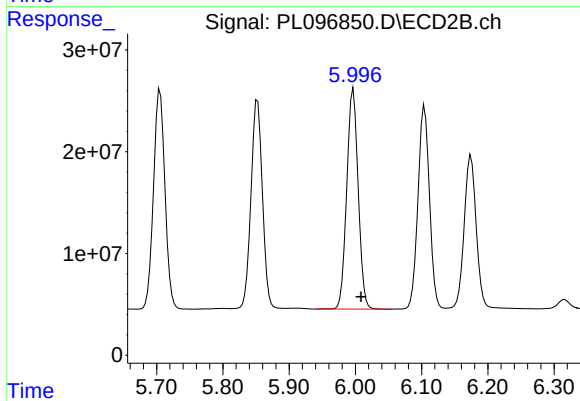
#26 Chlordane-4

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 301663826
Conc: 484.73 ng/ml



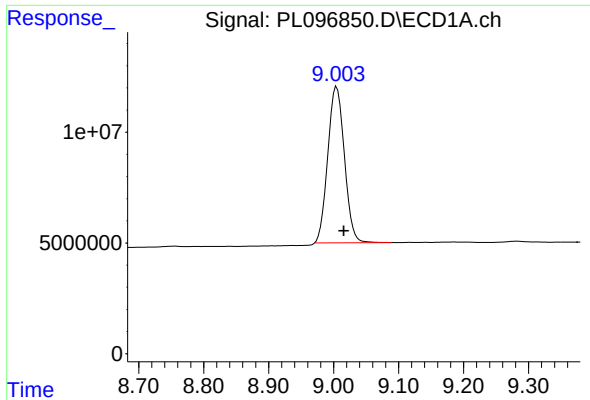
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.838 min
Response: 0
Conc: N.D.



#27 Chlordane-5

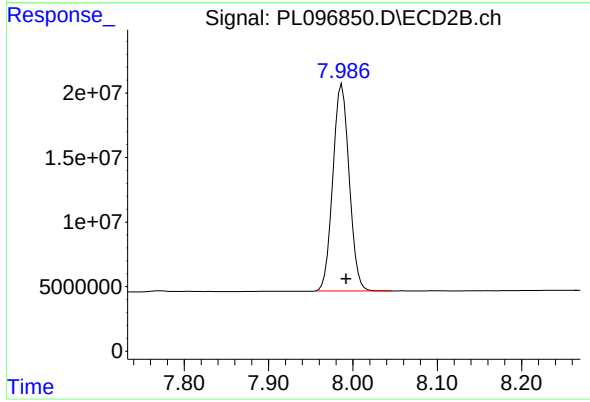
R.T.: 5.997 min
Delta R.T.: -0.012 min
Response: 260037643
Conc: 1019.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.005 min
Delta R.T.: -0.011 min
Response: 125215431
Conc: 52.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 215802739
Conc: 49.74 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096857.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 16:57
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: Aug 19 06:00:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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...	3.531	2.825	66964840	100.5E6	21.053	21.041
28)	SA Decachlor...	9.004	7.986	51749831	94895525	21.701	21.874

Target Compounds

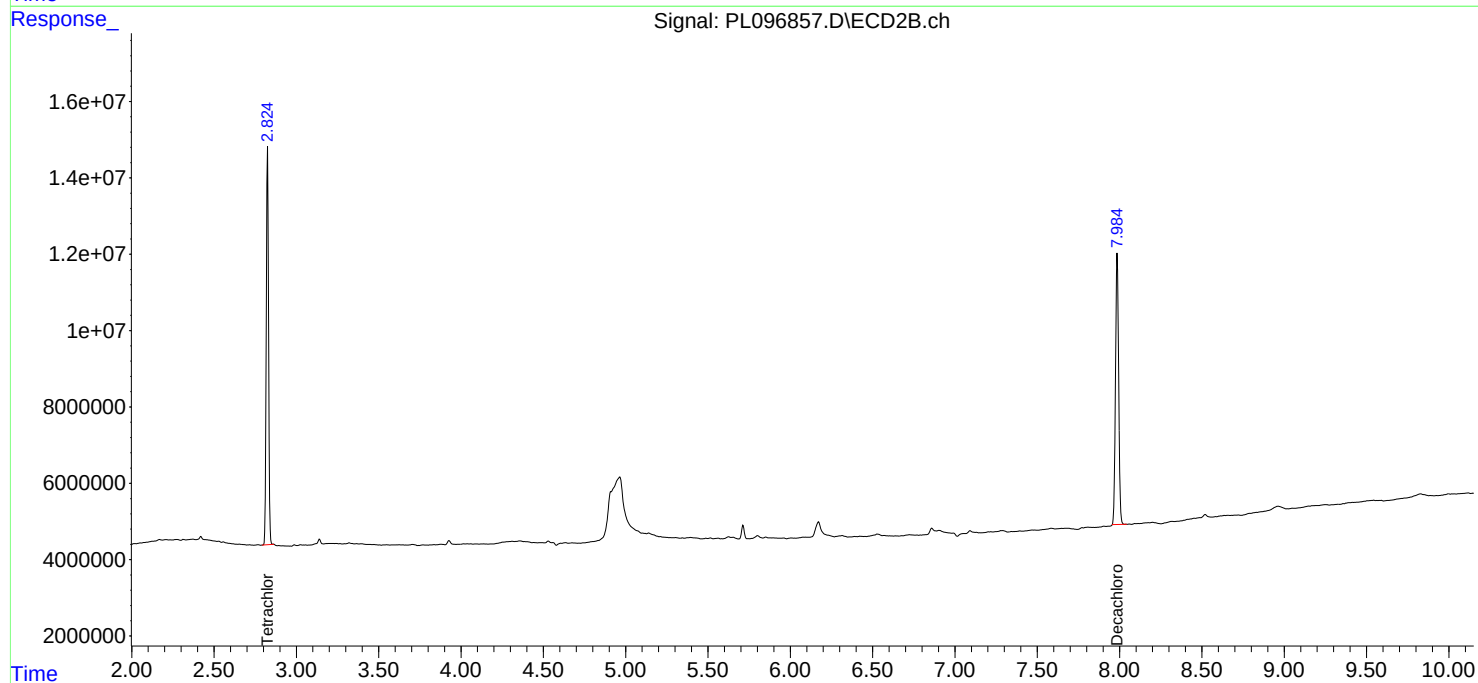
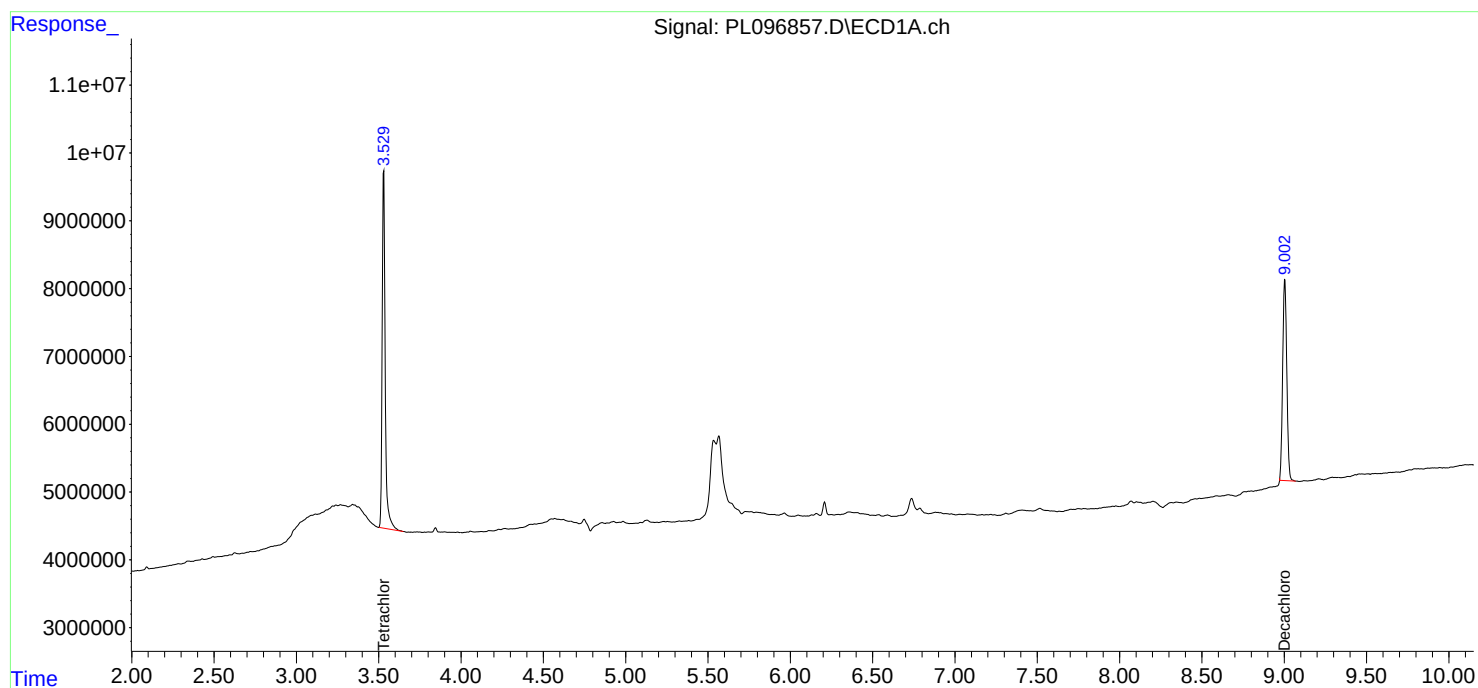
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

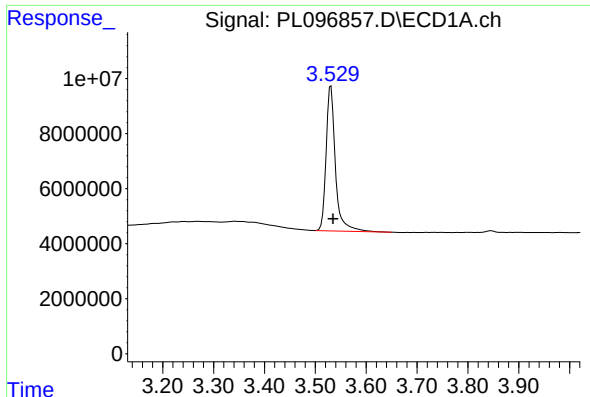
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096857.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 16:57
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 06:00:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

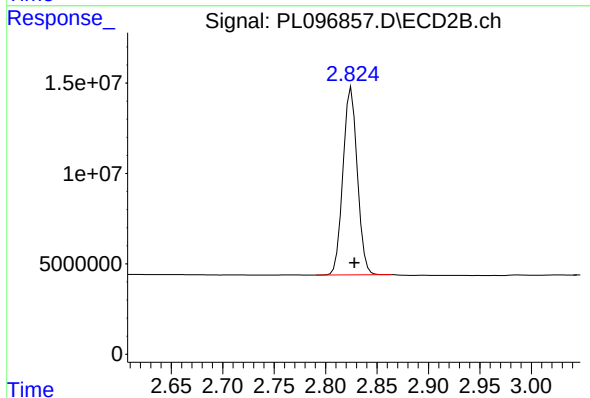




#1 Tetrachloro-m-xylene

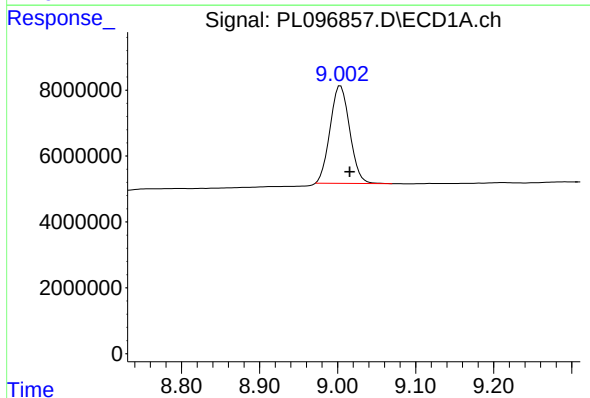
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 66964840
Conc: 21.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



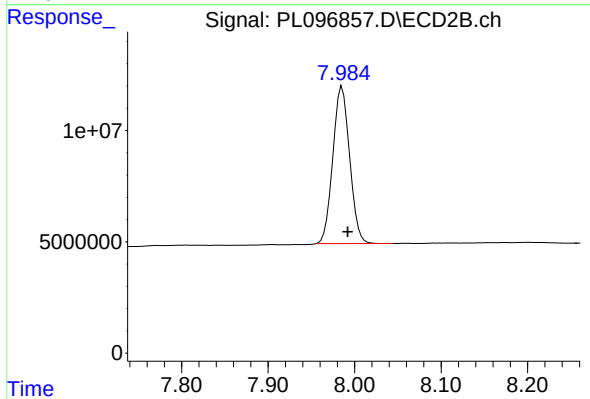
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 100526992
Conc: 21.04 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.012 min
Response: 51749831
Conc: 21.70 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 94895525
Conc: 21.87 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
 Data File : PL096858.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 17:11
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

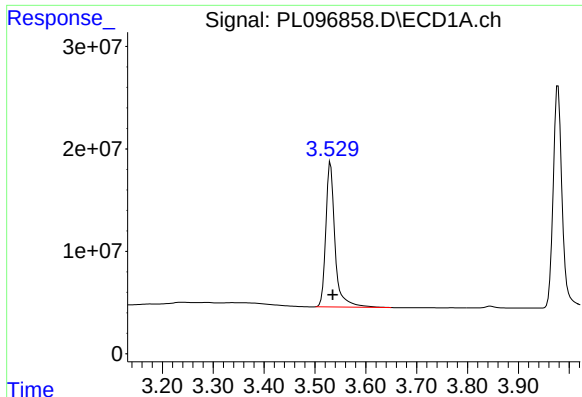
Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:00:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.825	178.3E6	255.7E6	56.053	53.513
28)	SA Decachlor...	9.004	7.986	123.9E6	222.0E6	51.944	51.165
Target Compounds							
2)	A alpha-BHC	3.978	3.330	264.4E6	379.1E6	57.144	53.569
3)	MA gamma-BHC...	4.306	3.662	247.9E6	351.4E6	56.045	53.208
4)	MA Heptachlor	4.897	4.010	239.3E6	336.9E6	57.586	50.577
5)	MB Aldrin	5.236	4.293	238.3E6	326.2E6	55.402	52.559
6)	B beta-BHC	4.492	3.958	96617749	151.1E6	53.529	53.581
7)	B delta-BHC	4.738	4.191	230.8E6	344.7E6	57.852	53.254
8)	B Heptachlo...	5.655	4.794	223.7E6	294.9E6	58.001	51.630
9)	A Endosulfan I	6.037	5.165	194.5E6	275.2E6	54.088	49.757
10)	B gamma-Chl...	5.909	5.046	214.6E6	309.2E6	56.404	52.576
11)	B alpha-Chl...	5.989	5.110	212.3E6	303.4E6	55.083	51.430
12)	B 4,4'-DDE	6.159	5.299	177.6E6	286.7E6	55.293	51.999
13)	MA Dieldrin	6.309	5.430	199.3E6	304.1E6	53.708	51.481
14)	MA Endrin	6.534	5.704	150.4E6	265.6E6	49.705	49.140
15)	B Endosulfa...	6.748	5.996	177.5E6	263.1E6	55.422	51.215
16)	A 4,4'-DDD	6.667	5.851	144.8E6	250.5E6	57.289	53.228
17)	MA 4,4'-DDT	6.982	6.104	140.9E6	234.9E6	49.125	46.430
18)	B Endrin al...	6.876	6.174	117.8E6	192.7E6	54.905	52.999
19)	B Endosulfa...	7.110	6.397	150.0E6	255.9E6	52.188	50.320
20)	A Methoxychlor	7.454	6.676	69792447	123.5E6	47.531	45.054
21)	B Endrin ke...	7.589	6.901	163.4E6	294.6E6	54.341	52.884
22)	Mirex	8.068	7.091	125.3E6	222.9E6	50.536	51.123
24)	Chlordane-2	5.236f	0.000	238.3E6	0	1361.562	N.D. #
25)	Chlordane-3	5.909	5.046	214.6E6	309.2E6	321.332	444.628 #
26)	Chlordane-4	5.989	5.110	212.3E6	303.4E6	256.527	487.493 #
27)	Chlordane-5	0.000	5.996	0	263.1E6	N.D.	1031.131 #

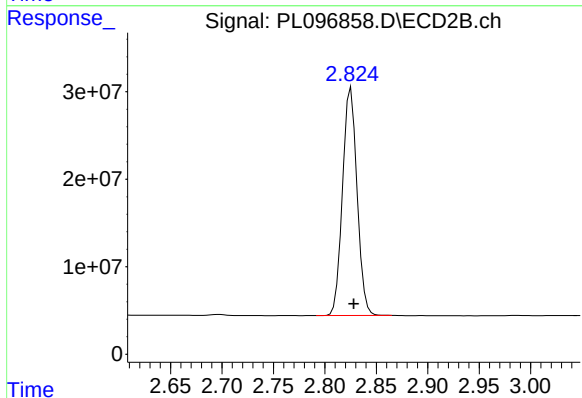
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



#1 Tetrachloro-m-xylene

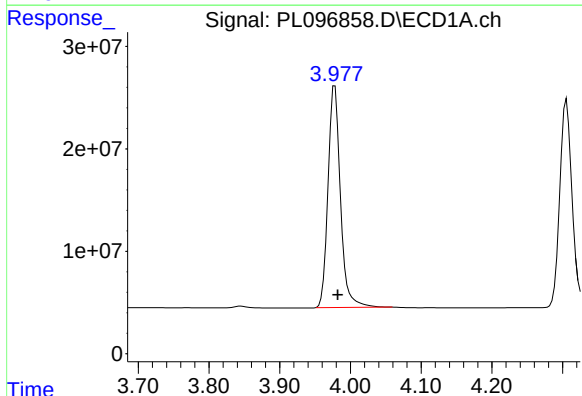
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 178292660
Conc: 56.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



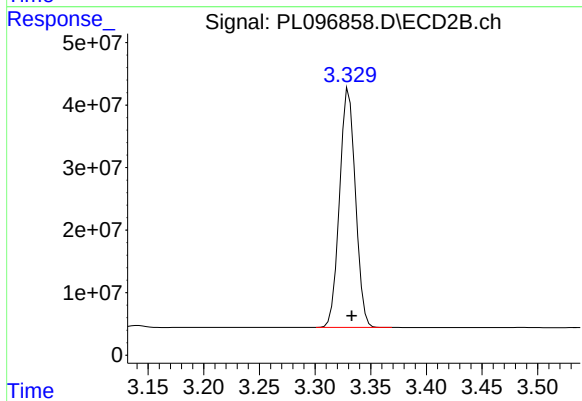
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 255673747
Conc: 53.51 ng/ml



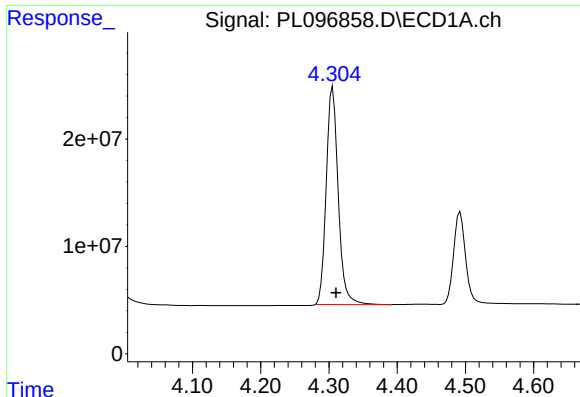
#2 alpha-BHC

R.T.: 3.978 min
Delta R.T.: -0.004 min
Response: 264370535
Conc: 57.14 ng/ml



#2 alpha-BHC

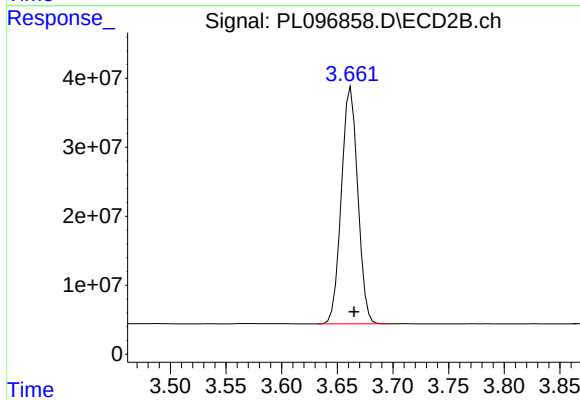
R.T.: 3.330 min
Delta R.T.: -0.003 min
Response: 379109531
Conc: 53.57 ng/ml



#3 gamma-BHC (Lindane)

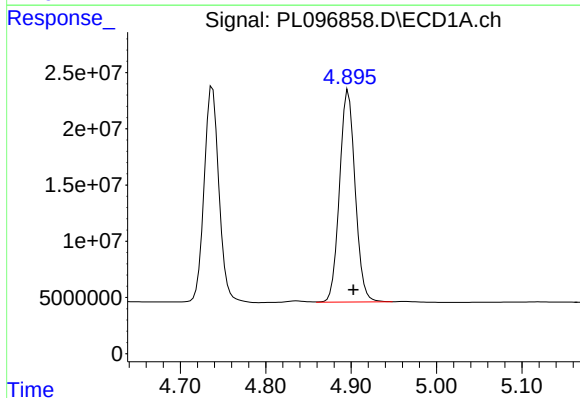
R.T.: 4.306 min
Delta R.T.: -0.005 min
Response: 247910221
Conc: 56.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



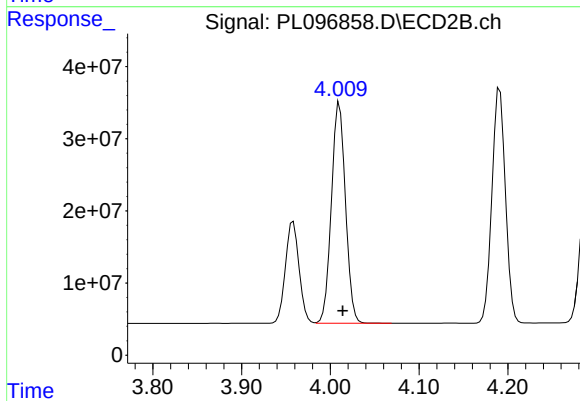
#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: -0.003 min
Response: 351354786
Conc: 53.21 ng/ml



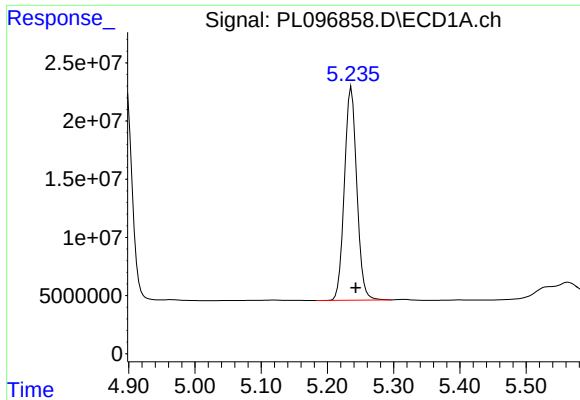
#4 Heptachlor

R.T.: 4.897 min
Delta R.T.: -0.006 min
Response: 239310105
Conc: 57.59 ng/ml



#4 Heptachlor

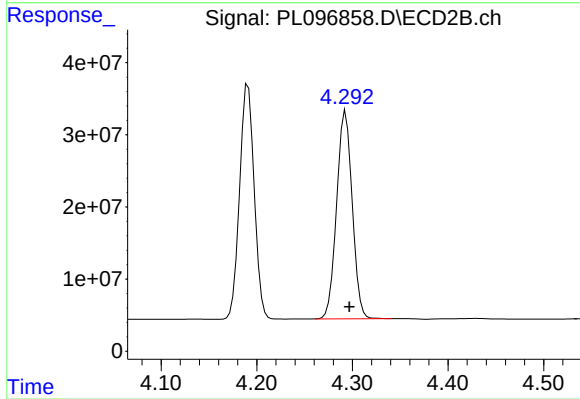
R.T.: 4.010 min
Delta R.T.: -0.004 min
Response: 336938392
Conc: 50.58 ng/ml



#5 Aldrin

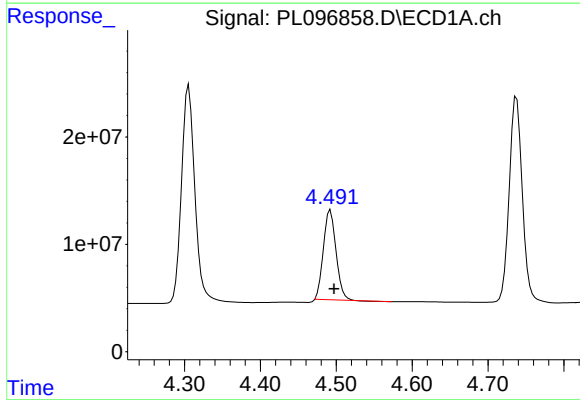
R.T.: 5.236 min
Delta R.T.: -0.007 min
Response: 238282661
Conc: 55.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



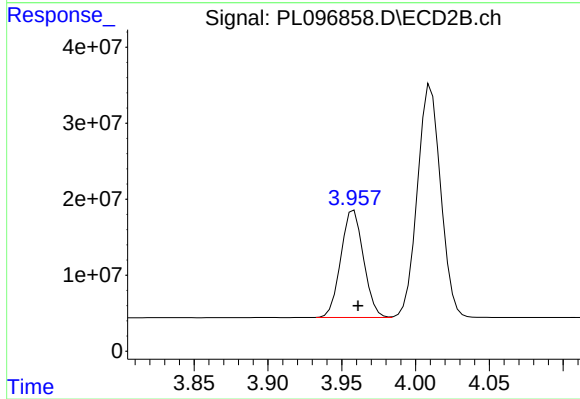
#5 Aldrin

R.T.: 4.293 min
Delta R.T.: -0.004 min
Response: 326237655
Conc: 52.56 ng/ml



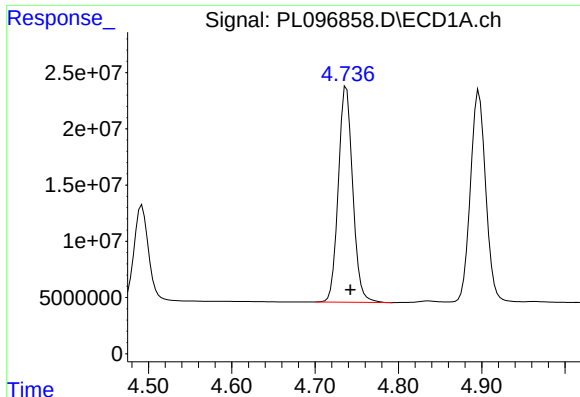
#6 beta-BHC

R.T.: 4.492 min
Delta R.T.: -0.005 min
Response: 96617749
Conc: 53.53 ng/ml



#6 beta-BHC

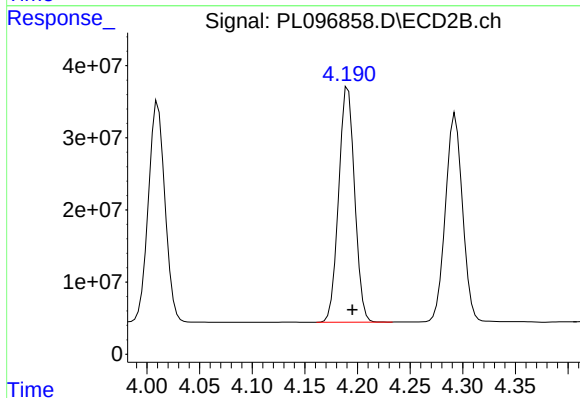
R.T.: 3.958 min
Delta R.T.: -0.003 min
Response: 151147750
Conc: 53.58 ng/ml



#7 delta-BHC

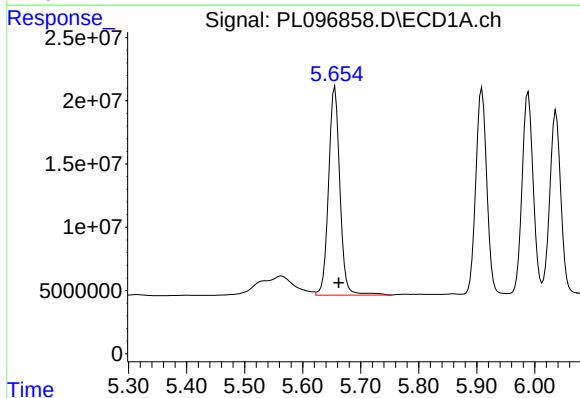
R.T.: 4.738 min
Delta R.T.: -0.005 min
Response: 230820906
Conc: 57.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



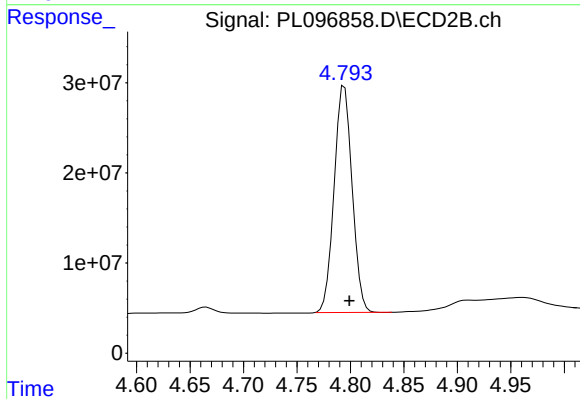
#7 delta-BHC

R.T.: 4.191 min
Delta R.T.: -0.004 min
Response: 344747683
Conc: 53.25 ng/ml



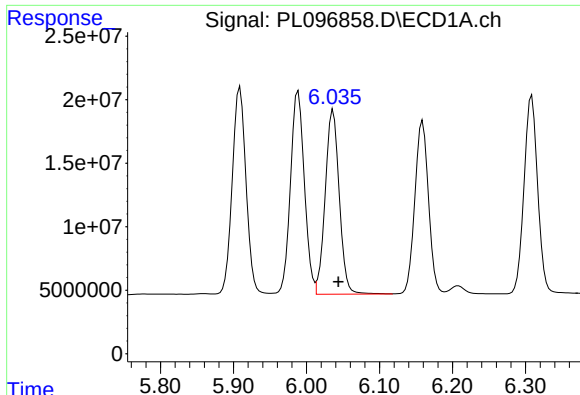
#8 Heptachlor epoxide

R.T.: 5.655 min
Delta R.T.: -0.007 min
Response: 223683999
Conc: 58.00 ng/ml



#8 Heptachlor epoxide

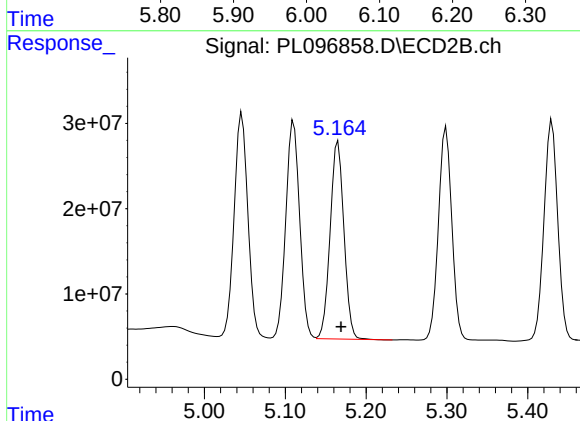
R.T.: 4.794 min
Delta R.T.: -0.005 min
Response: 294878831
Conc: 51.63 ng/ml



#9 Endosulfan I

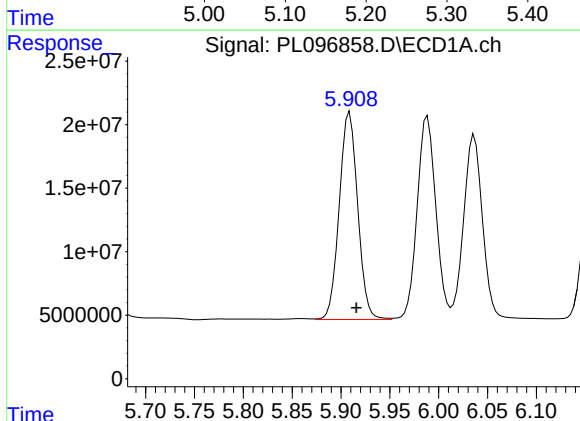
R.T.: 6.037 min
Delta R.T.: -0.007 min
Response: 194520543
Conc: 54.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



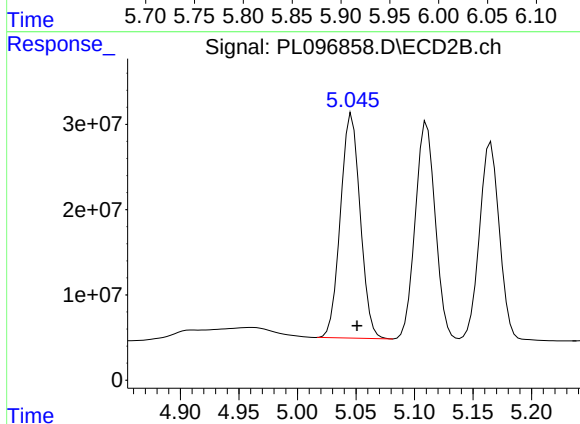
#9 Endosulfan I

R.T.: 5.165 min
Delta R.T.: -0.004 min
Response: 275227850
Conc: 49.76 ng/ml



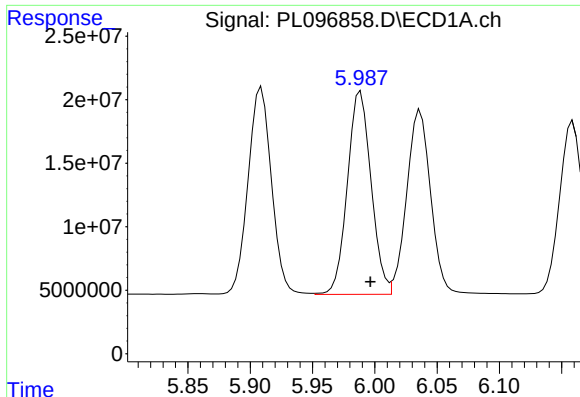
#10 gamma-Chlordane

R.T.: 5.909 min
Delta R.T.: -0.007 min
Response: 214629910
Conc: 56.40 ng/ml



#10 gamma-Chlordane

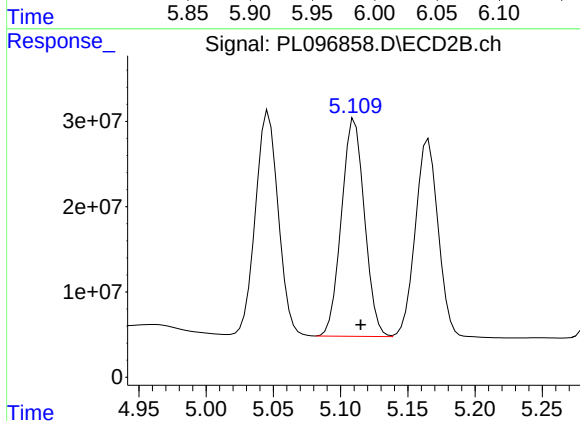
R.T.: 5.046 min
Delta R.T.: -0.005 min
Response: 309151010
Conc: 52.58 ng/ml



#11 alpha-Chlordane

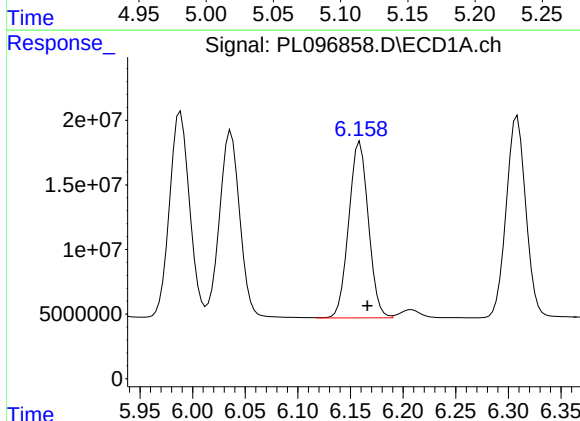
R.T.: 5.989 min
Delta R.T.: -0.008 min
Response: 212327187
Conc: 55.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



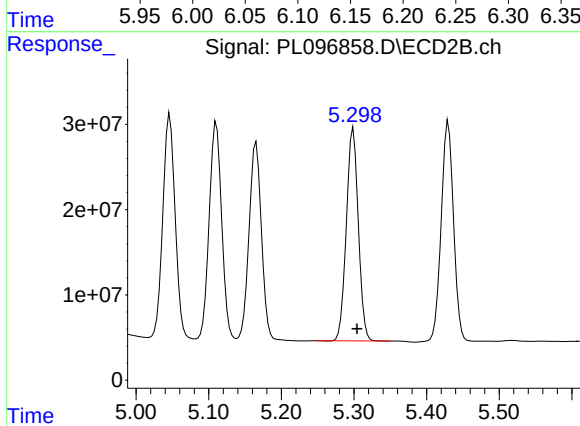
#11 alpha-Chlordane

R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 303382700
Conc: 51.43 ng/ml



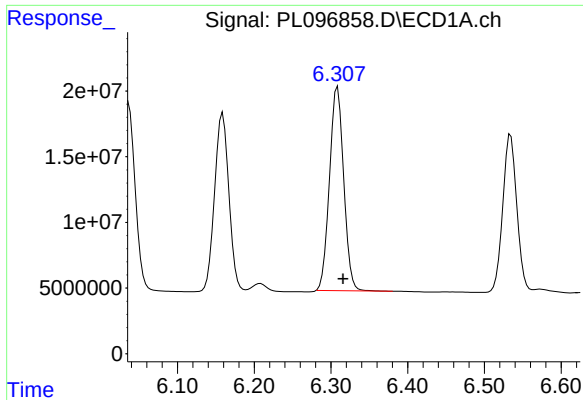
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 177559416
Conc: 55.29 ng/ml



#12 4,4'-DDE

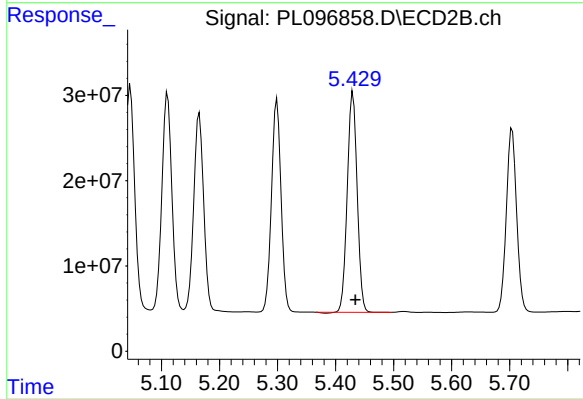
R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 286745809
Conc: 52.00 ng/ml



#13 Dieldrin

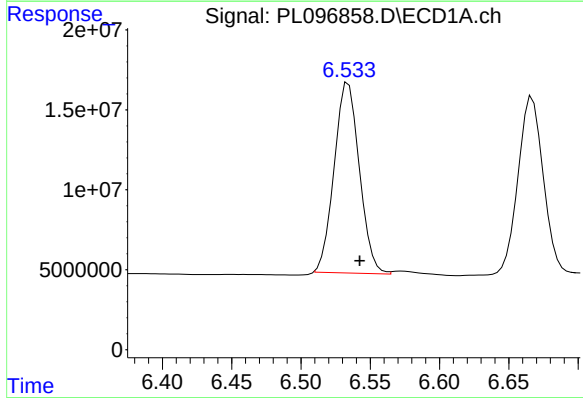
R.T.: 6.309 min
Delta R.T.: -0.007 min
Response: 199318111
Conc: 53.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



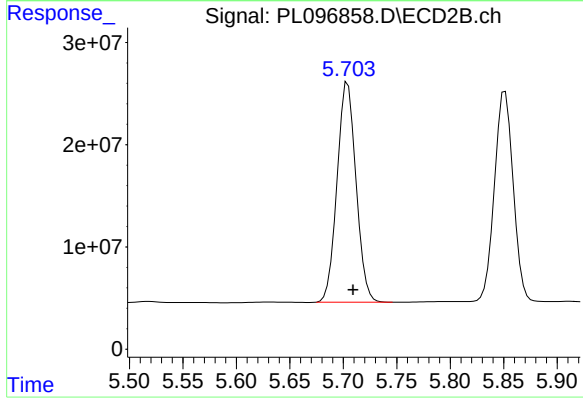
#13 Dieldrin

R.T.: 5.430 min
Delta R.T.: -0.004 min
Response: 304075067
Conc: 51.48 ng/ml



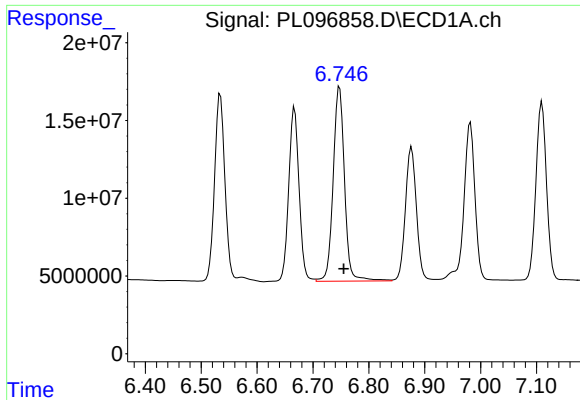
#14 Endrin

R.T.: 6.534 min
Delta R.T.: -0.008 min
Response: 150445307
Conc: 49.70 ng/ml



#14 Endrin

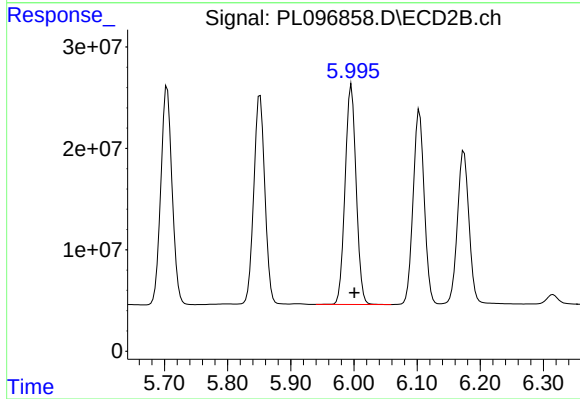
R.T.: 5.704 min
Delta R.T.: -0.005 min
Response: 265648440
Conc: 49.14 ng/ml



#15 Endosulfan II

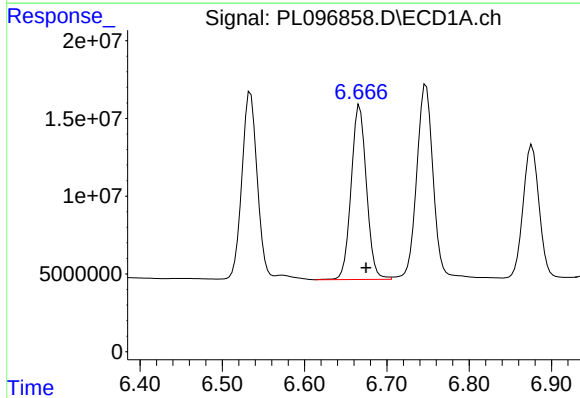
R.T.: 6.748 min
Delta R.T.: -0.007 min
Response: 177495778
Conc: 55.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



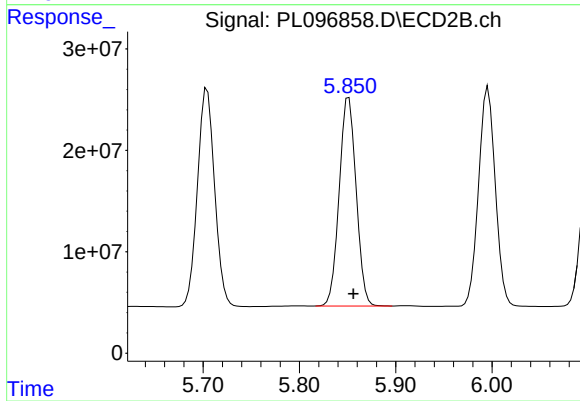
#15 Endosulfan II

R.T.: 5.996 min
Delta R.T.: -0.005 min
Response: 263053855
Conc: 51.22 ng/ml



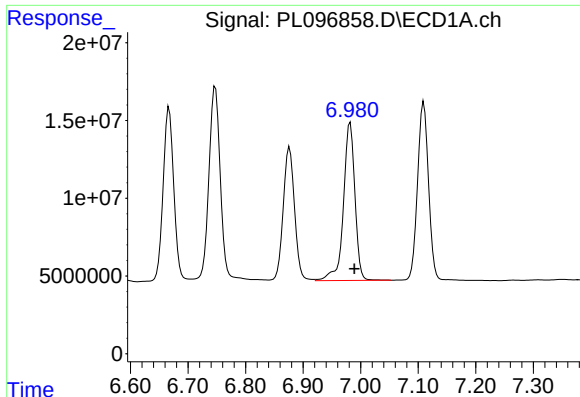
#16 4,4'-DDD

R.T.: 6.667 min
Delta R.T.: -0.008 min
Response: 144848017
Conc: 57.29 ng/ml



#16 4,4'-DDD

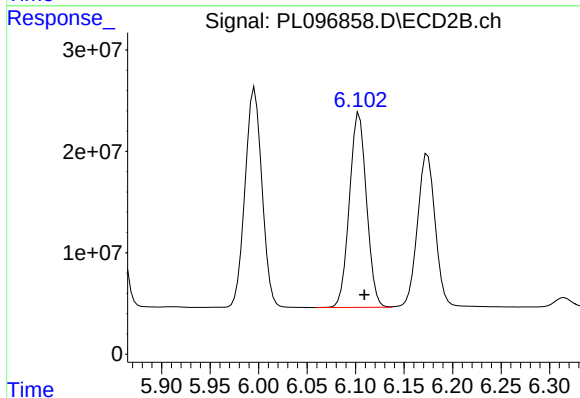
R.T.: 5.851 min
Delta R.T.: -0.005 min
Response: 250453109
Conc: 53.23 ng/ml



#17 4,4'-DDT

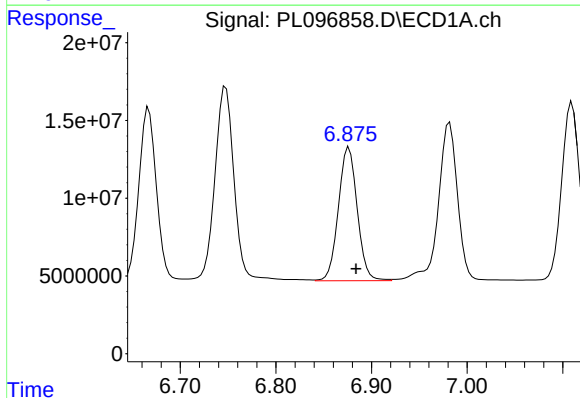
R.T.: 6.982 min
Delta R.T.: -0.007 min
Response: 140873930
Conc: 49.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



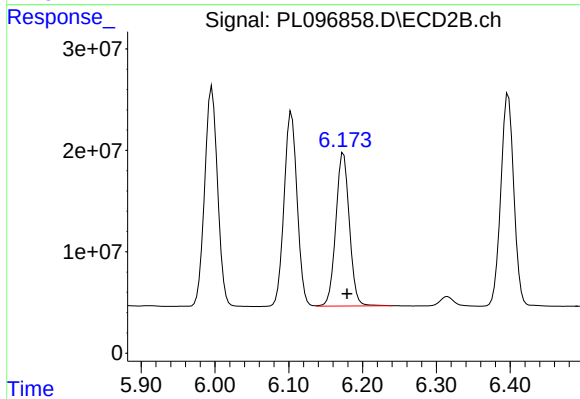
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 234856582
Conc: 46.43 ng/ml



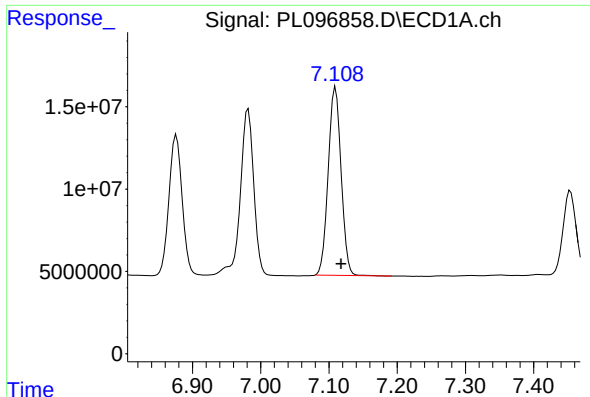
#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: -0.007 min
Response: 117821788
Conc: 54.91 ng/ml



#18 Endrin aldehyde

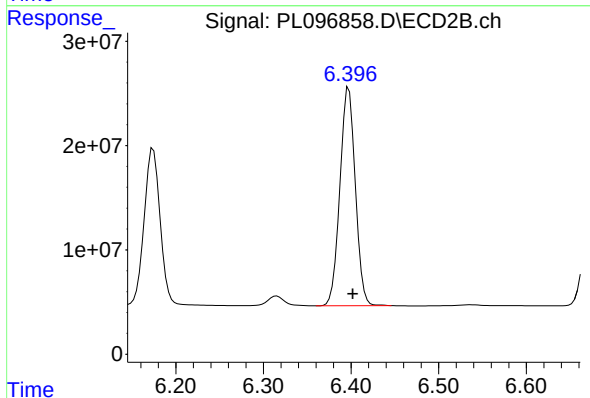
R.T.: 6.174 min
Delta R.T.: -0.005 min
Response: 192653257
Conc: 53.00 ng/ml



#19 Endosulfan Sulfate

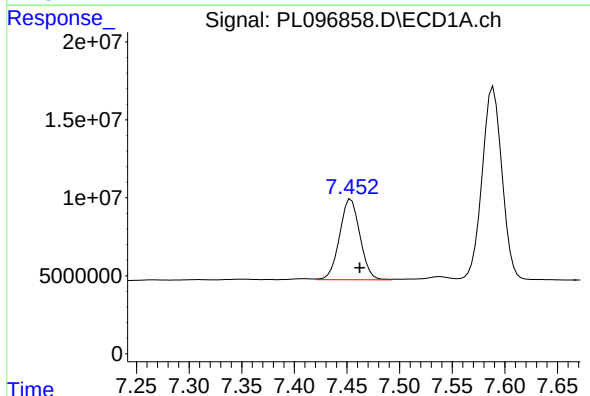
R.T.: 7.110 min
Delta R.T.: -0.008 min
Response: 149972589
Conc: 52.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



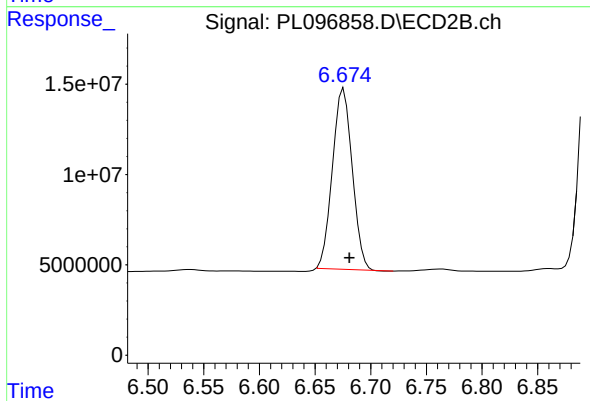
#19 Endosulfan Sulfate

R.T.: 6.397 min
Delta R.T.: -0.005 min
Response: 255940668
Conc: 50.32 ng/ml



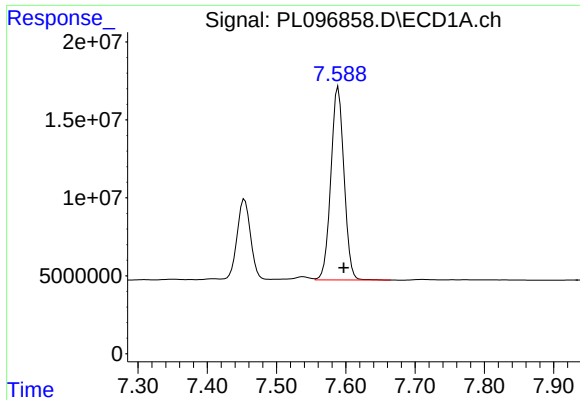
#20 Methoxychlor

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 69792447
Conc: 47.53 ng/ml



#20 Methoxychlor

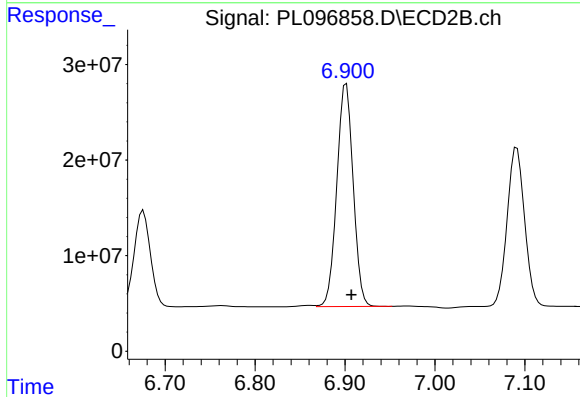
R.T.: 6.676 min
Delta R.T.: -0.005 min
Response: 123471413
Conc: 45.05 ng/ml



#21 Endrin ketone

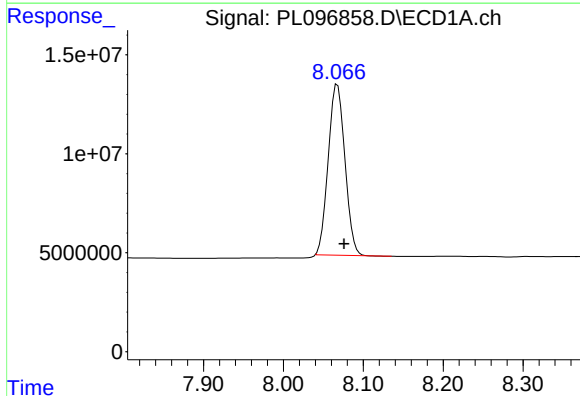
R.T.: 7.589 min
Delta R.T.: -0.008 min
Response: 163387029
Conc: 54.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



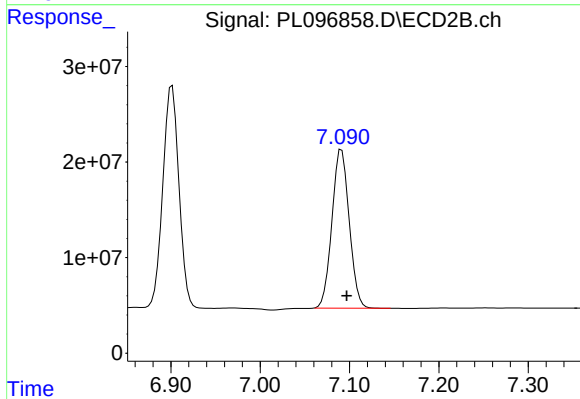
#21 Endrin ketone

R.T.: 6.901 min
Delta R.T.: -0.006 min
Response: 294551207
Conc: 52.88 ng/ml



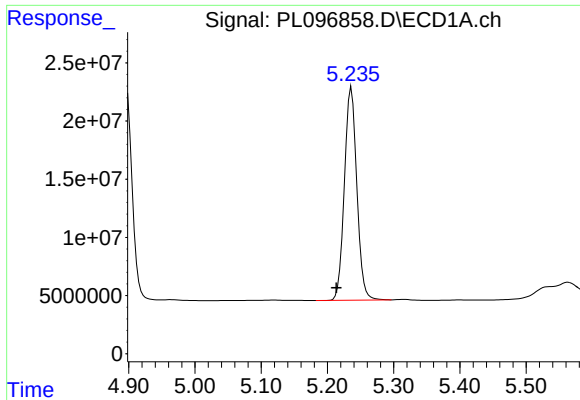
#22 Mirex

R.T.: 8.068 min
Delta R.T.: -0.008 min
Response: 125296545
Conc: 50.54 ng/ml



#22 Mirex

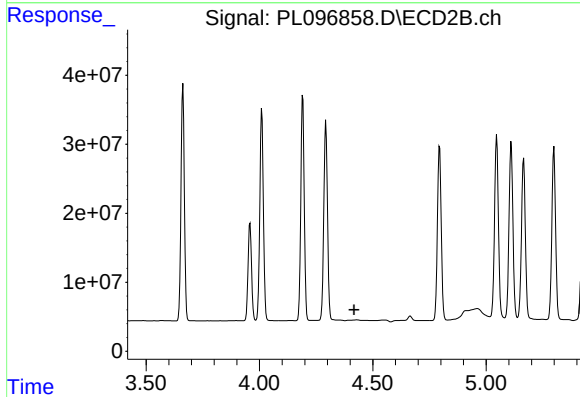
R.T.: 7.091 min
Delta R.T.: -0.006 min
Response: 222941586
Conc: 51.12 ng/ml



#24 Chlordane-2

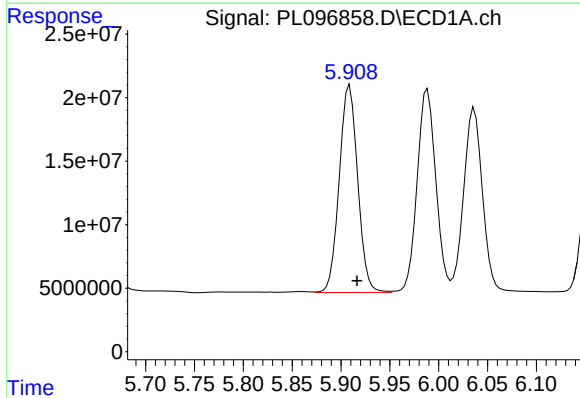
R.T.: 5.236 min
Delta R.T.: 0.022 min
Response: 238282661
Conc: 1361.56 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



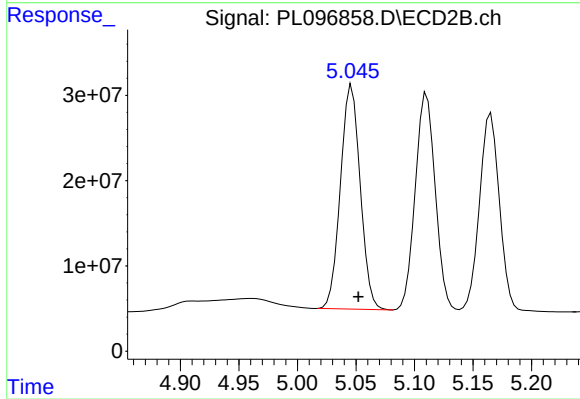
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.418 min
Response: 0
Conc: N.D.



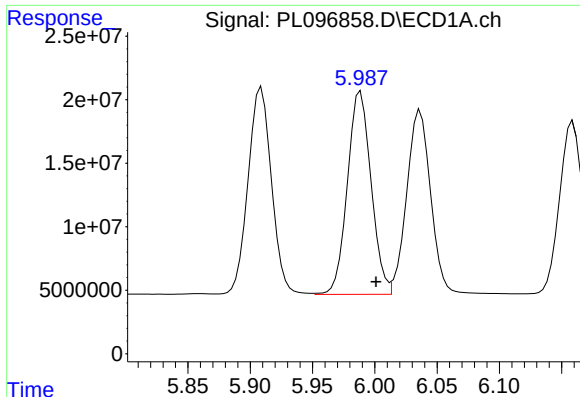
#25 Chlordane-3

R.T.: 5.909 min
Delta R.T.: -0.007 min
Response: 214629910
Conc: 321.33 ng/ml



#25 Chlordane-3

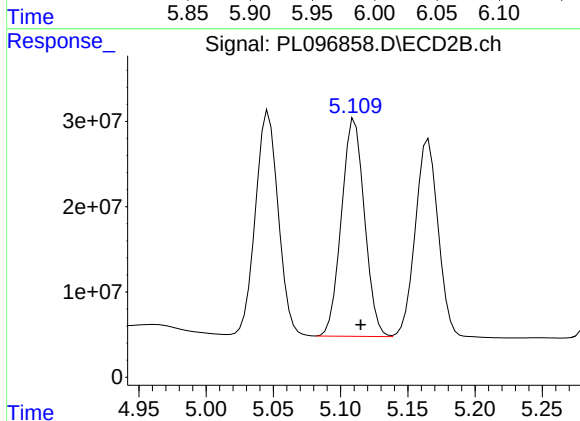
R.T.: 5.046 min
Delta R.T.: -0.006 min
Response: 309151010
Conc: 444.63 ng/ml



#26 Chlordane-4

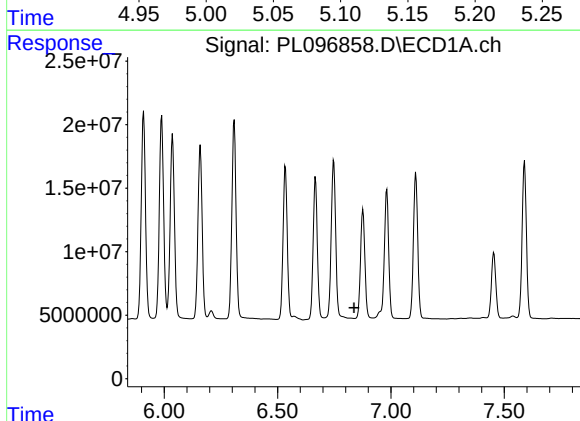
R.T.: 5.989 min
Delta R.T.: -0.012 min
Response: 212327187
Conc: 256.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



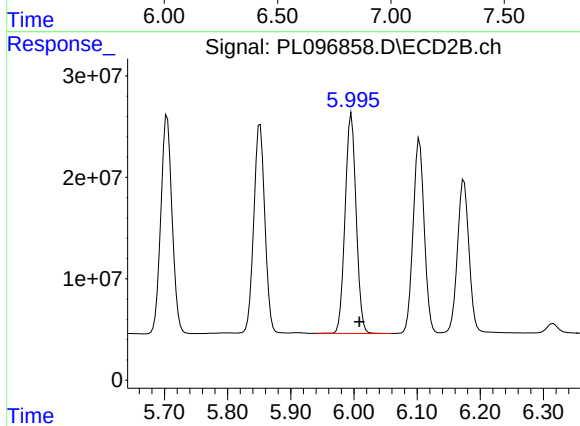
#26 Chlordane-4

R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 303382700
Conc: 487.49 ng/ml



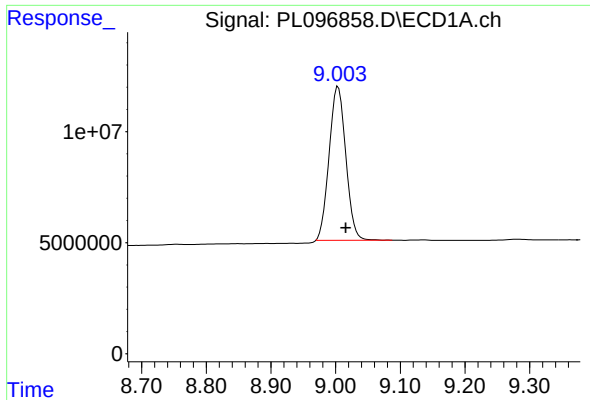
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.838 min
Response: 0
Conc: N.D.



#27 Chlordane-5

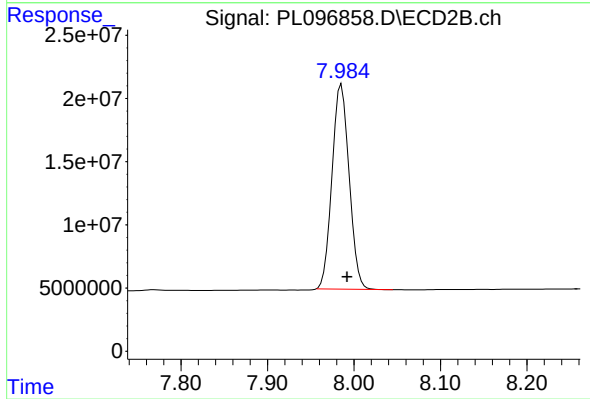
R.T.: 5.996 min
Delta R.T.: -0.013 min
Response: 263053855
Conc: 1031.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.012 min
Response: 123868220
Conc: 51.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.007 min
Response: 221969720
Conc: 51.16 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
 Data File : PL096860.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 17:38
 Operator : AR\AJ
 Sample : Q2879-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-TS-GRILLO-TSCP03-081425

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:00:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.825	43075306	59926286	13.542	12.543
28)	SA Decachlor...	9.004	7.986	32141019	58815697	13.478	13.557
Target Compounds							
4)	MA Heptachlor	4.922f	4.010	15355556	6929428	3.695	1.040 #
8)	B Heptachlo...	5.641f	0.000	14371458	0	3.727	N.D. #
10)	B gamma-Chl...	5.910	5.047	61273536	45292515	16.102	7.703 #
11)	B alpha-Chl...	5.994	5.111	114.9E6	88689315	29.810	15.035 #
12)	B 4,4'-DDE	6.160	5.300	71199777	106.2E6	22.172	19.253
13)	MA Dieldrin	0.000	5.431	0	14209111	N.D.	2.406 #
14)	MA Endrin	0.000	5.715	0	3431588	N.D.	0.635 #
15)	B Endosulfa...	0.000	6.003	0	18614795	N.D.	3.624 #
16)	A 4,4'-DDD	6.671	5.852	18086608	14273439	7.153	3.033 #
17)	MA 4,4'-DDT	6.982	6.103	32965215	55553677	11.495	10.983
18)	B Endrin al...	0.000	6.168	0	15707209	N.D.	4.321 #
23)	Chlordane-1	4.684	3.834	8245792	15757268	48.472	75.164 #
24)	Chlordane-2	5.205	4.416	21021855	27926312	120.120	115.117
25)	Chlordane-3	5.910	5.047	61273536	45292515	91.735	65.141 #
26)	Chlordane-4	5.994	5.111	114.9E6	88689315	138.827	142.511
27)	Chlordane-5	6.830	6.003	8135736	18614795	61.567	72.967

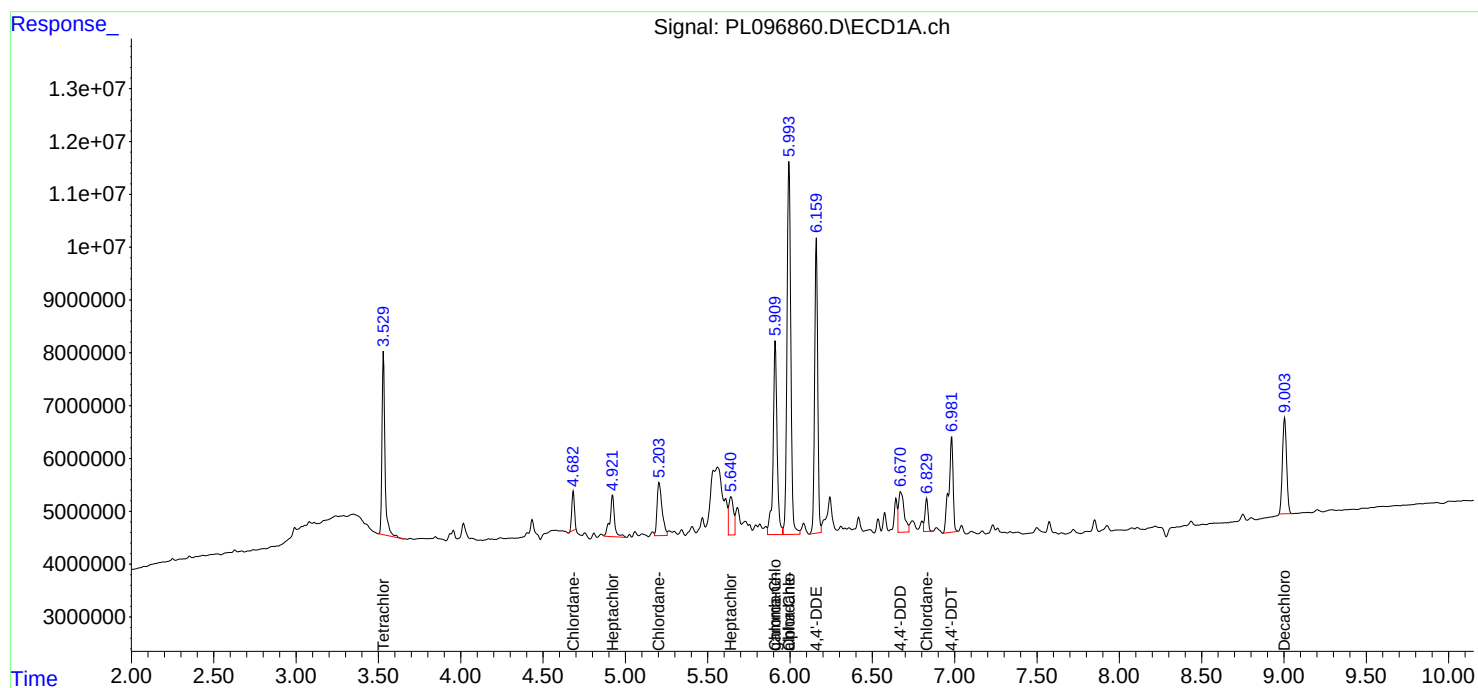
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

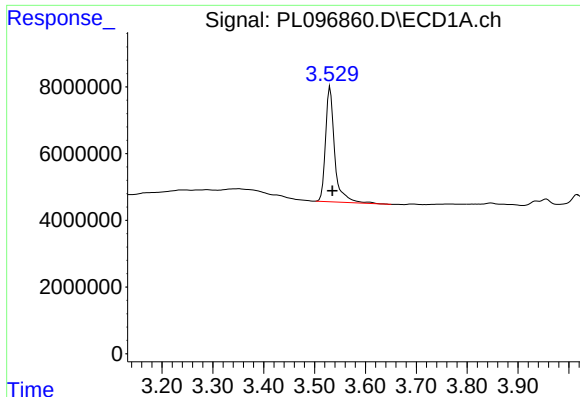
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096860.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 17:38
Operator : AR\AJ
Sample : Q2879-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 06:00:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

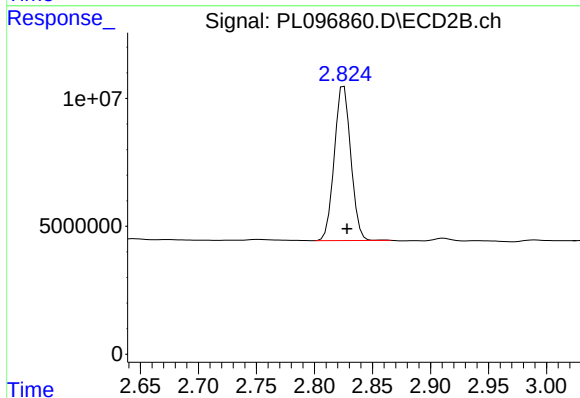




#1 Tetrachloro-m-xylene

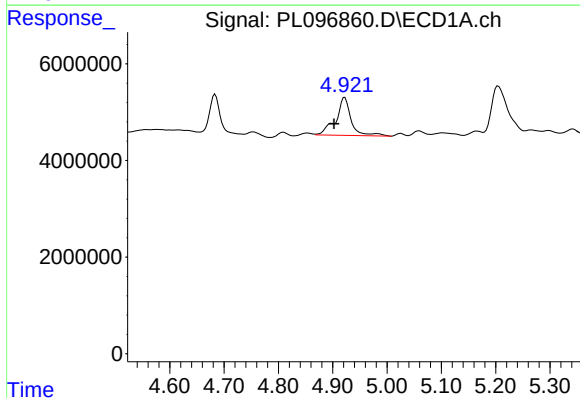
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 43075306
Conc: 13.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425



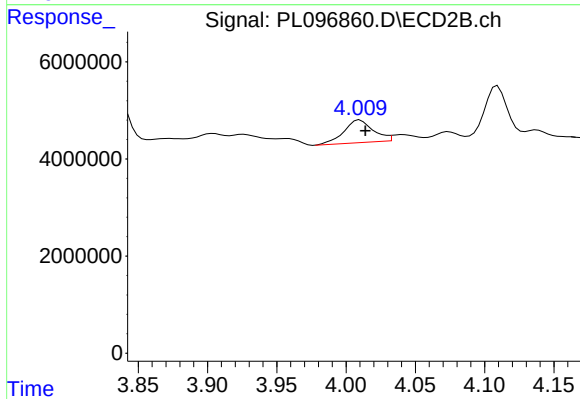
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 59926286
Conc: 12.54 ng/ml



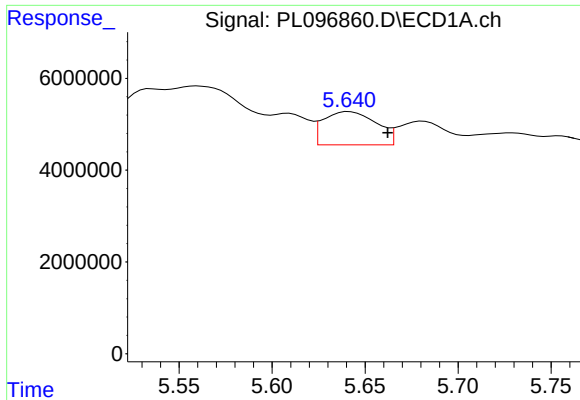
#4 Heptachlor

R.T.: 4.922 min
Delta R.T.: 0.019 min
Response: 15355556
Conc: 3.70 ng/ml



#4 Heptachlor

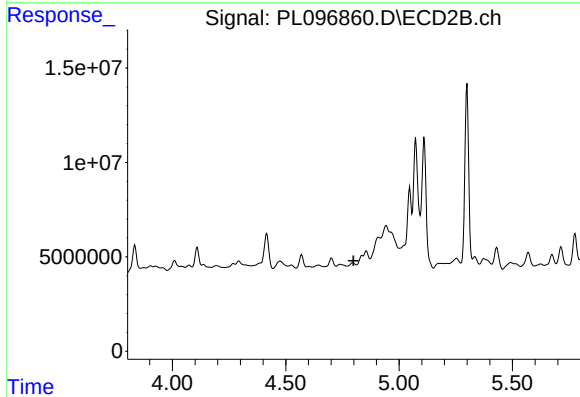
R.T.: 4.010 min
Delta R.T.: -0.004 min
Response: 6929428
Conc: 1.04 ng/ml



#8 Heptachlor epoxide

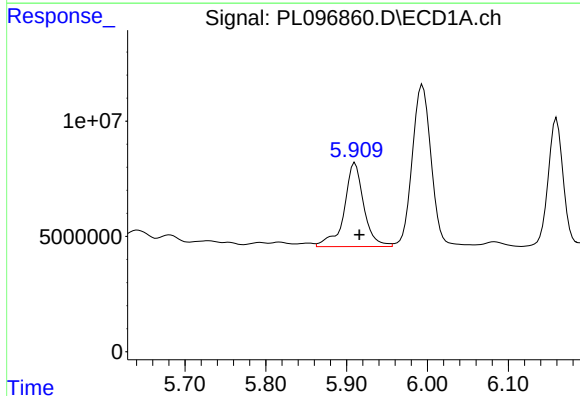
R.T.: 5.641 min
Delta R.T.: -0.021 min
Response: 14371458
Conc: 3.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425



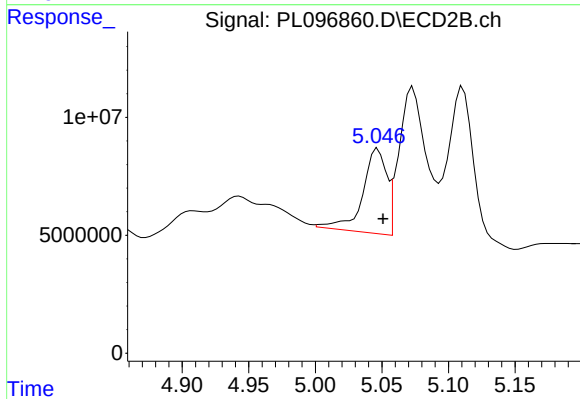
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 4.799 min
Response: 0
Conc: N.D.



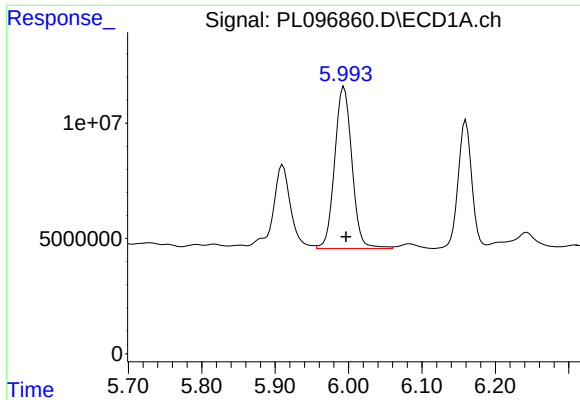
#10 gamma-Chlordane

R.T.: 5.910 min
Delta R.T.: -0.005 min
Response: 61273536
Conc: 16.10 ng/ml



#10 gamma-Chlordane

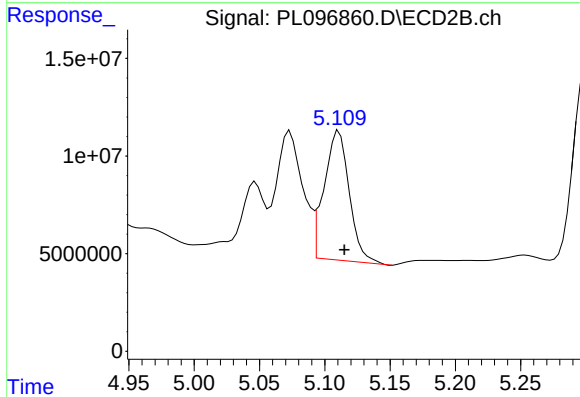
R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 45292515
Conc: 7.70 ng/ml



#11 alpha-Chlordane

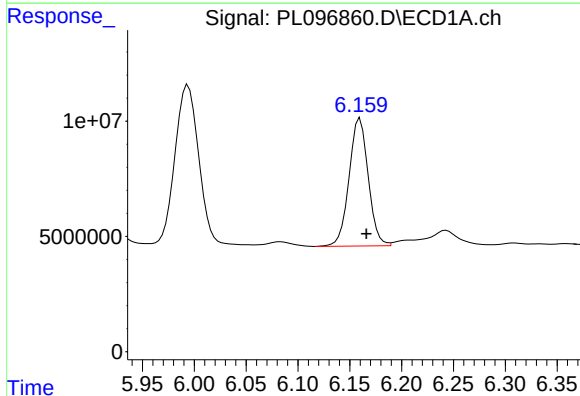
R.T.: 5.994 min
Delta R.T.: -0.003 min
Response: 114906980
Conc: 29.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425



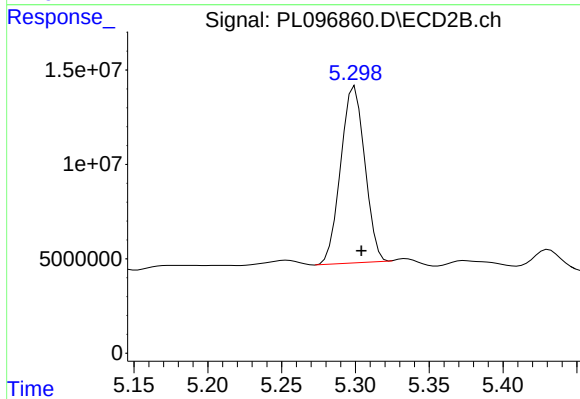
#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 88689315
Conc: 15.03 ng/ml



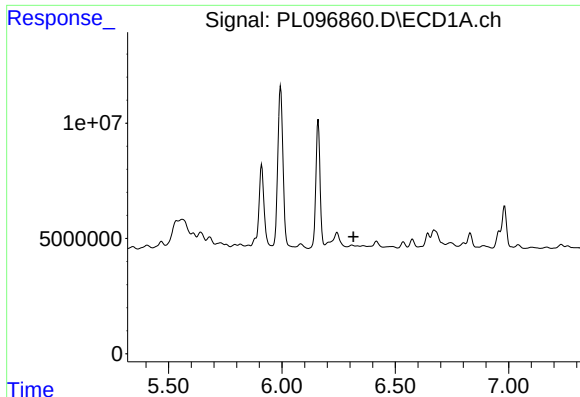
#12 4,4'-DDE

R.T.: 6.160 min
Delta R.T.: -0.006 min
Response: 71199777
Conc: 22.17 ng/ml



#12 4,4'-DDE

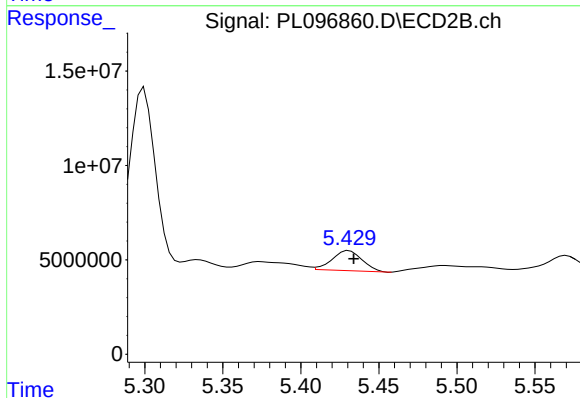
R.T.: 5.300 min
Delta R.T.: -0.004 min
Response: 106169392
Conc: 19.25 ng/ml



#13 Dieldrin

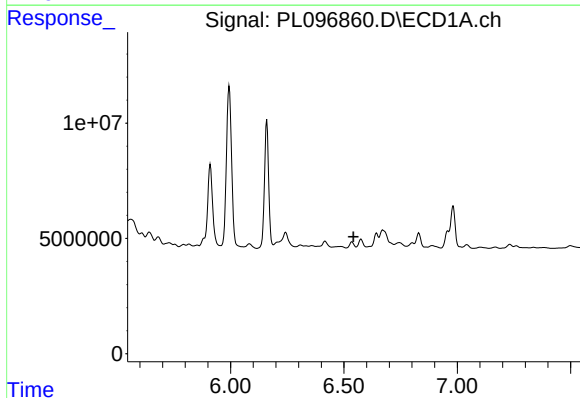
R.T.: 0.000 min
Exp R.T.: 6.316 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425



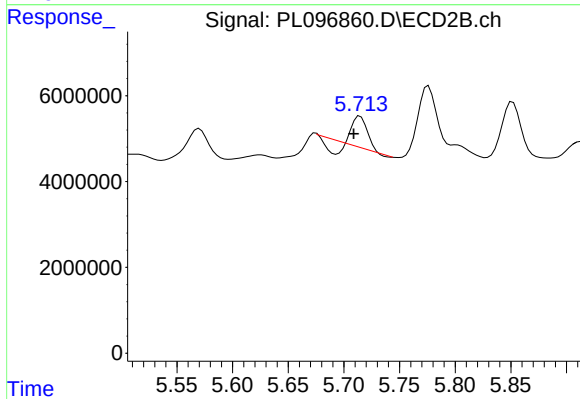
#13 Dieldrin

R.T.: 5.431 min
Delta R.T.: -0.003 min
Response: 14209111
Conc: 2.41 ng/ml



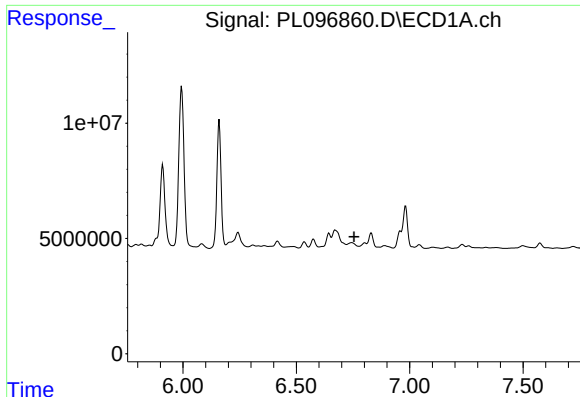
#14 Endrin

R.T.: 0.000 min
Exp R.T.: 6.542 min
Response: 0
Conc: N.D.



#14 Endrin

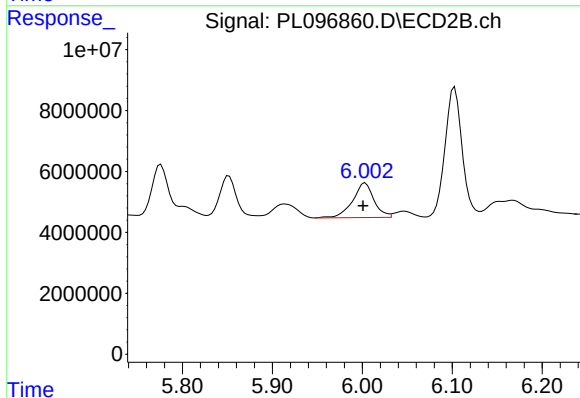
R.T.: 5.715 min
Delta R.T.: 0.006 min
Response: 3431588
Conc: 0.63 ng/ml



#15 Endosulfan II

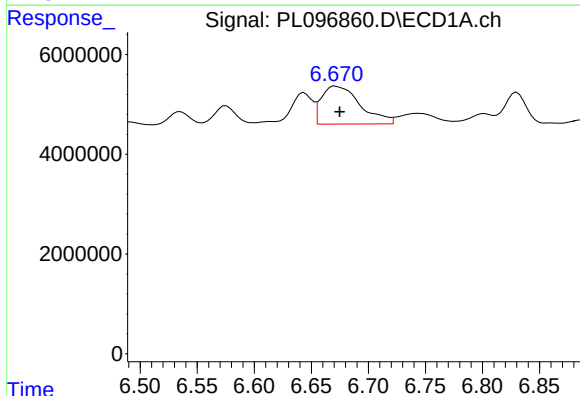
R.T.: 0.000 min
Exp R.T.: 6.755 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425



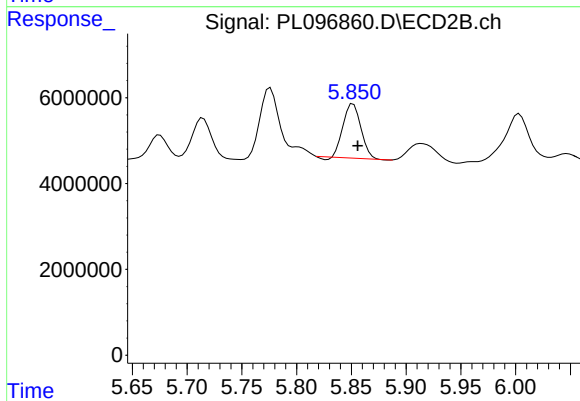
#15 Endosulfan II

R.T.: 6.003 min
Delta R.T.: 0.002 min
Response: 18614795
Conc: 3.62 ng/ml



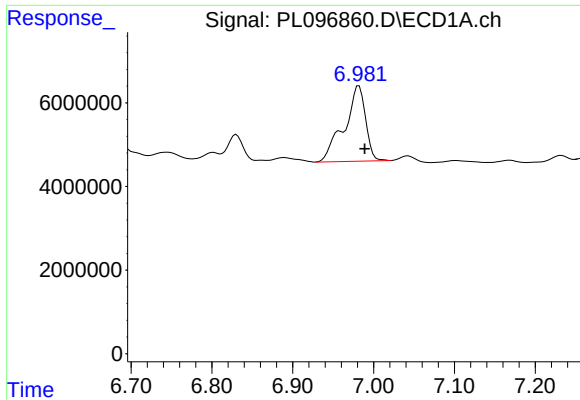
#16 4,4'-DDD

R.T.: 6.671 min
Delta R.T.: -0.004 min
Response: 18086608
Conc: 7.15 ng/ml



#16 4,4'-DDD

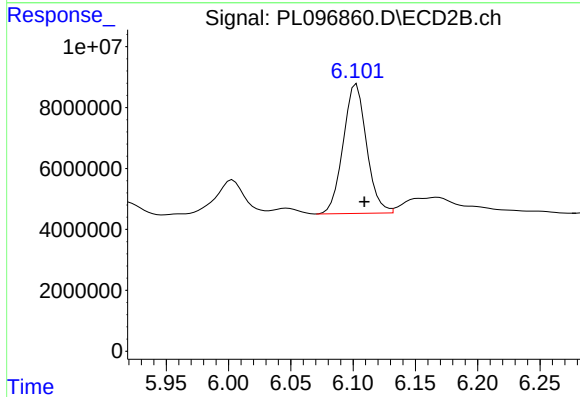
R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 14273439
Conc: 3.03 ng/ml



#17 4,4'-DDT

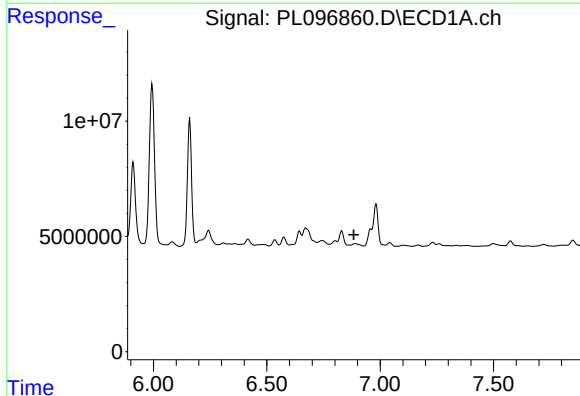
R.T.: 6.982 min
Delta R.T.: -0.007 min
Response: 32965215
Conc: 11.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425



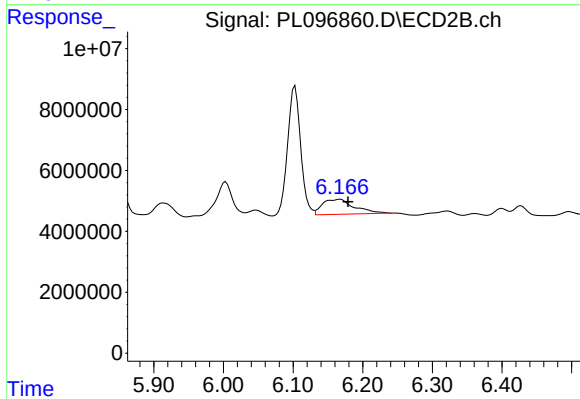
#17 4,4'-DDT

R.T.: 6.103 min
Delta R.T.: -0.006 min
Response: 55553677
Conc: 10.98 ng/ml



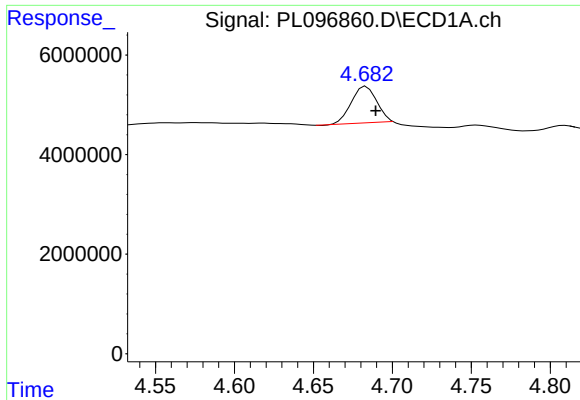
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.884 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

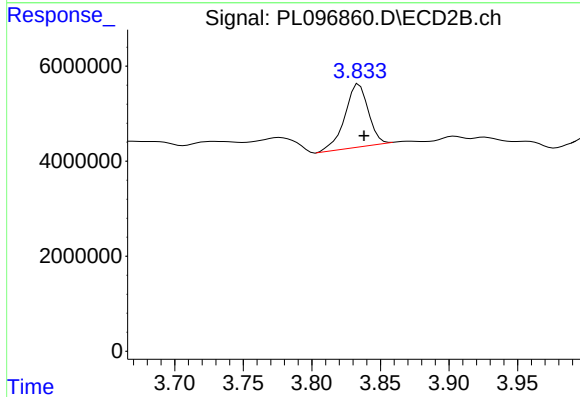
R.T.: 6.168 min
Delta R.T.: -0.011 min
Response: 15707209
Conc: 4.32 ng/ml



#23 Chlordane-1

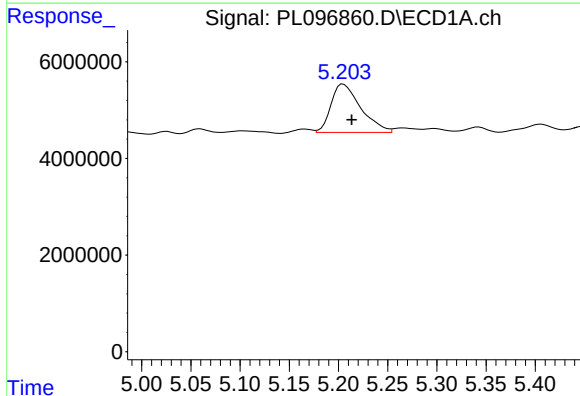
R.T.: 4.684 min
Delta R.T.: -0.006 min
Response: 8245792
Conc: 48.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425



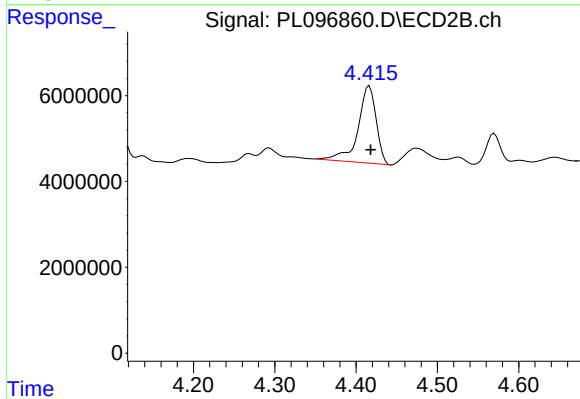
#23 Chlordane-1

R.T.: 3.834 min
Delta R.T.: -0.004 min
Response: 15757268
Conc: 75.16 ng/ml



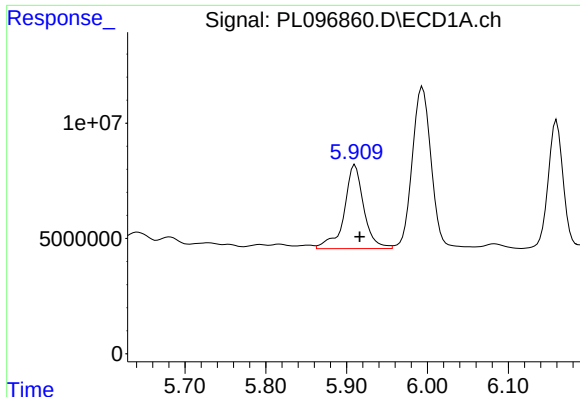
#24 Chlordane-2

R.T.: 5.205 min
Delta R.T.: -0.009 min
Response: 21021855
Conc: 120.12 ng/ml



#24 Chlordane-2

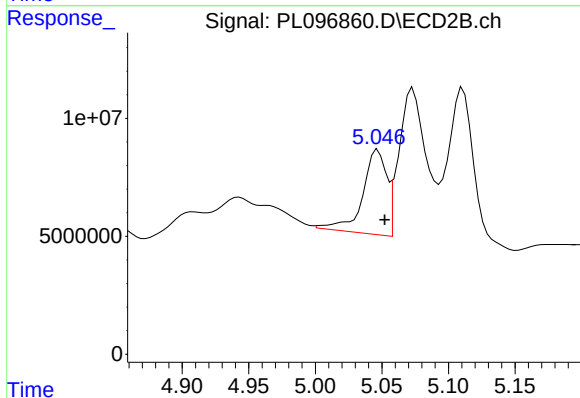
R.T.: 4.416 min
Delta R.T.: -0.002 min
Response: 27926312
Conc: 115.12 ng/ml



#25 Chlordane-3

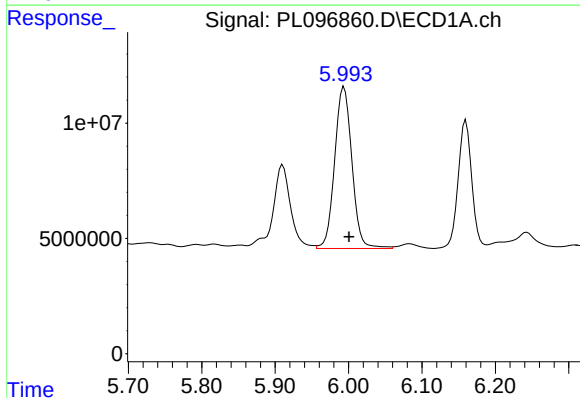
R.T.: 5.910 min
Delta R.T.: -0.006 min
Response: 61273536
Conc: 91.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425



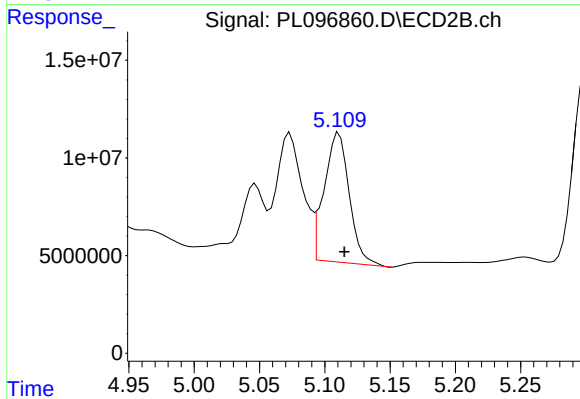
#25 Chlordane-3

R.T.: 5.047 min
Delta R.T.: -0.005 min
Response: 45292515
Conc: 65.14 ng/ml



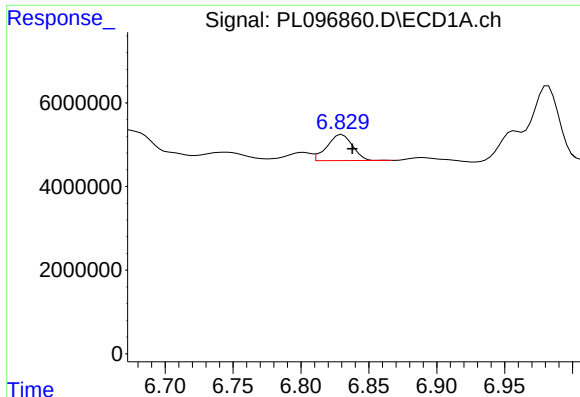
#26 Chlordane-4

R.T.: 5.994 min
Delta R.T.: -0.007 min
Response: 114906980
Conc: 138.83 ng/ml



#26 Chlordane-4

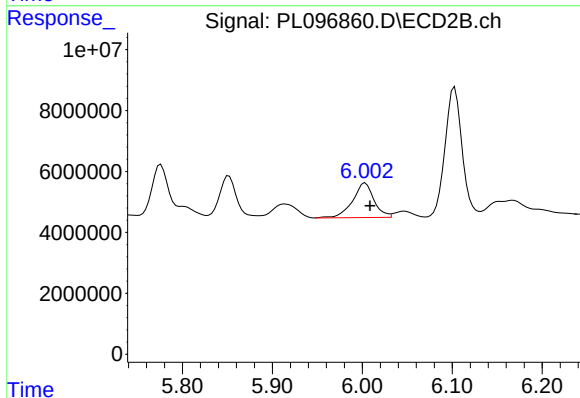
R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 88689315
Conc: 142.51 ng/ml



#27 Chlordane-5

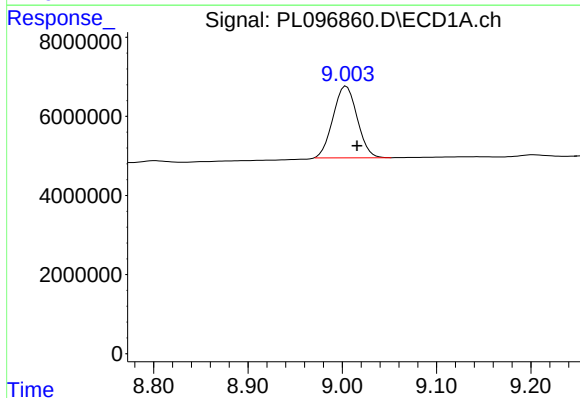
R.T.: 6.830 min
Delta R.T.: -0.008 min
Response: 8135736
Conc: 61.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP03-081425



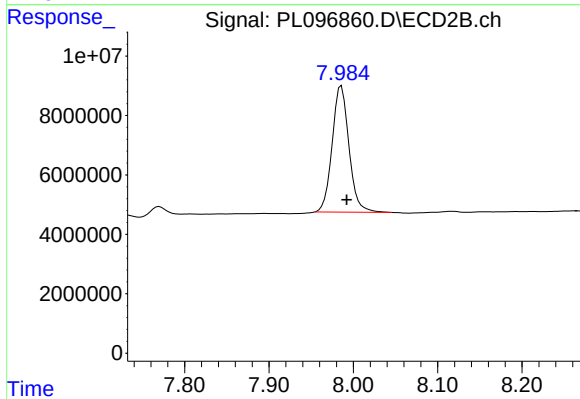
#27 Chlordane-5

R.T.: 6.003 min
Delta R.T.: -0.005 min
Response: 18614795
Conc: 72.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.011 min
Response: 32141019
Conc: 13.48 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 58815697
Conc: 13.56 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
 Data File : PL096861.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 17:52
 Operator : AR\AJ
 Sample : Q2879-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-TS-GRILLO-TSCP04-081425

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:01:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.826	41554457	57151032	13.064	11.962
28)	SA Decachlor...	9.004	7.986	28666903	50713678	12.021	11.690
Target Compounds							
4)	MA Heptachlor	4.921f	0.000	12895003	0	3.103	N.D. #
8)	B Heptachlo...	5.640f	0.000	13142584	0	3.408	N.D. #
10)	B gamma-Chl...	5.910	5.047	64331286	47140918	16.906	8.017 #
11)	B alpha-Chl...	5.994	5.110	125.2E6	98626205	32.484	16.719 #
12)	B 4,4'-DDE	6.160	5.299	67408401	99374175	20.991	18.021
13)	MA Dieldrin	0.000	5.431	0	11495345	N.D.	1.946 #
14)	MA Endrin	0.000	5.714	0	3608337	N.D.	0.667 #
15)	B Endosulfa...	0.000	6.003	0	16948130	N.D.	3.300 #
16)	A 4,4'-DDD	6.671	5.851	14494316	11438948	5.733	2.431 #
17)	MA 4,4'-DDT	6.982	6.103	26656235	44007975	9.295	8.700
18)	B Endrin al...	0.000	6.168	0	14146698	N.D.	3.892 #
23)	Chlordane-1	4.683	3.835	7860279	15129180	46.206	72.168 #
24)	Chlordane-2	5.204	4.417	19496828	26836774	111.406	110.626
25)	Chlordane-3	5.910	5.047	64331286	47140918	96.313	67.799 #
26)	Chlordane-4	5.994	5.110	125.2E6	98626205	151.281	158.478
27)	Chlordane-5	6.830	6.003	8857527	16948130	67.029	66.434

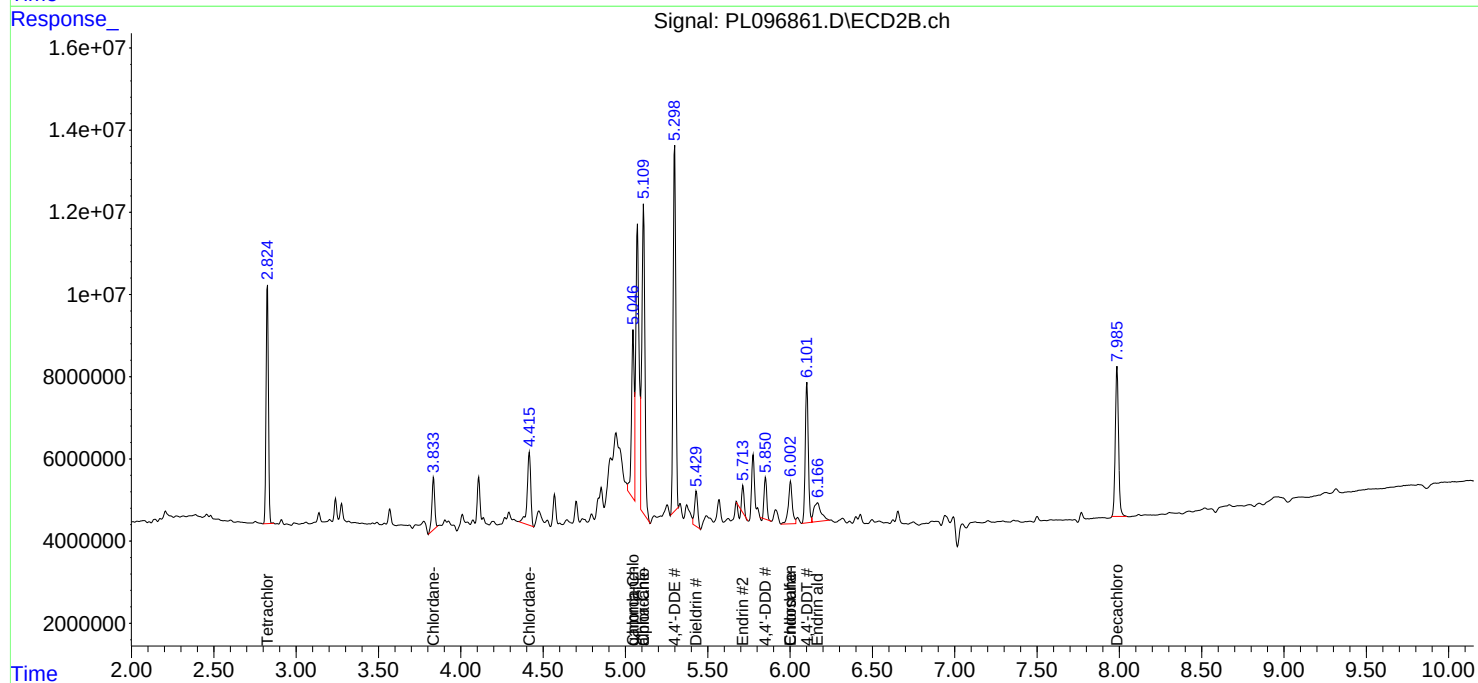
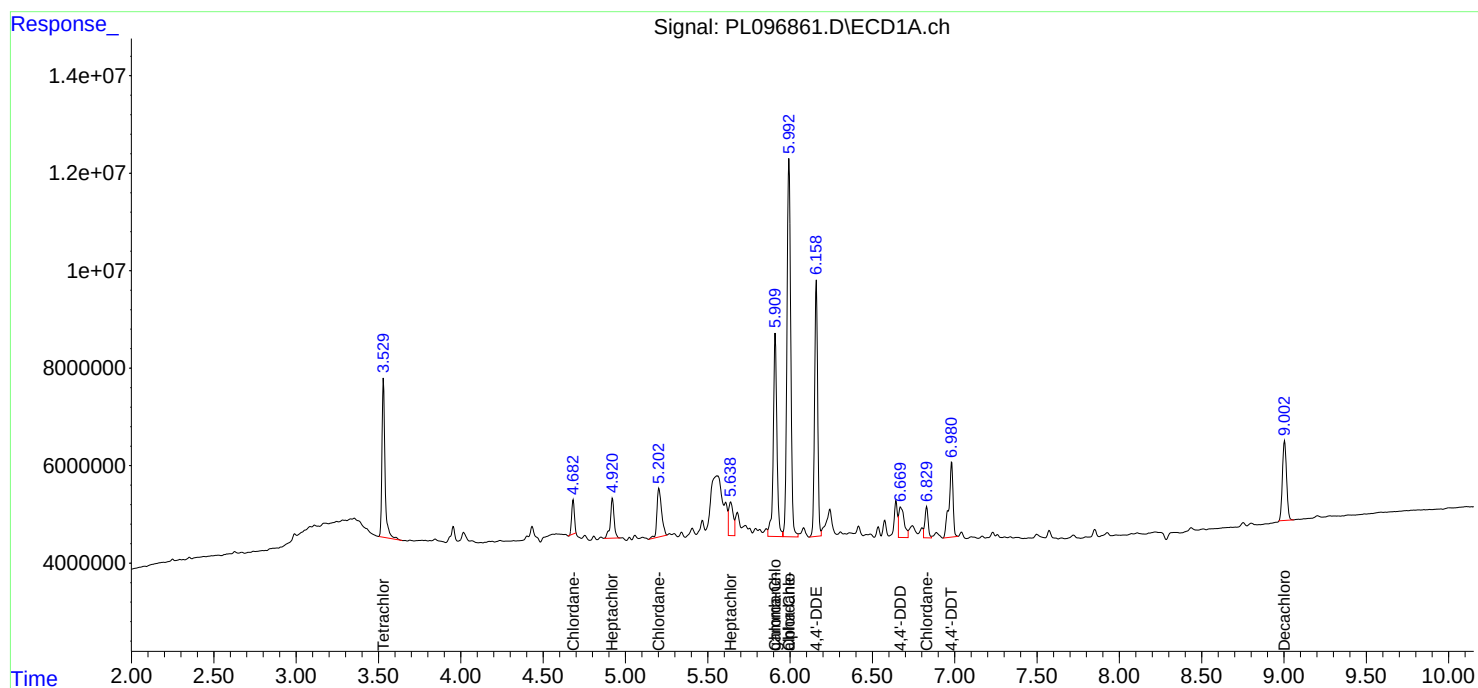
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

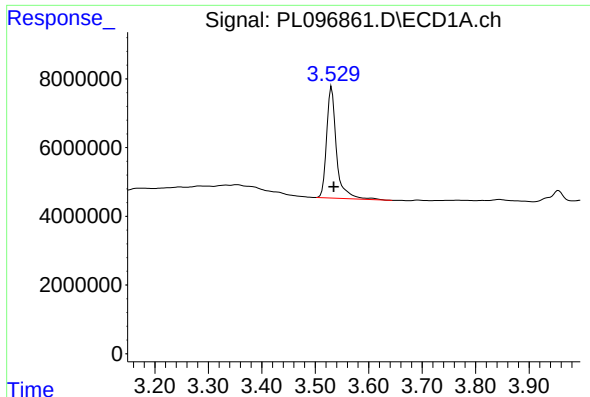
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096861.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 17:52
Operator : AR\AJ
Sample : Q2879-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 06:01:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

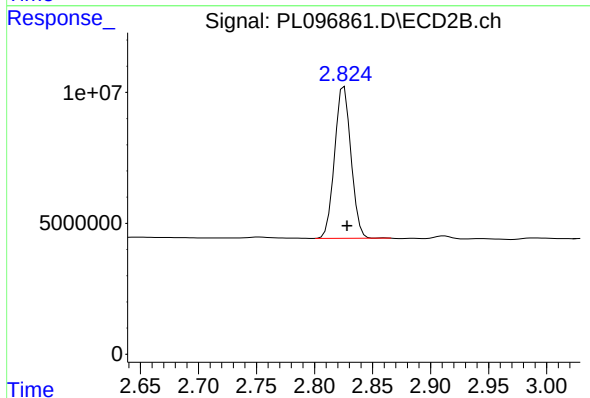




#1 Tetrachloro-m-xylene

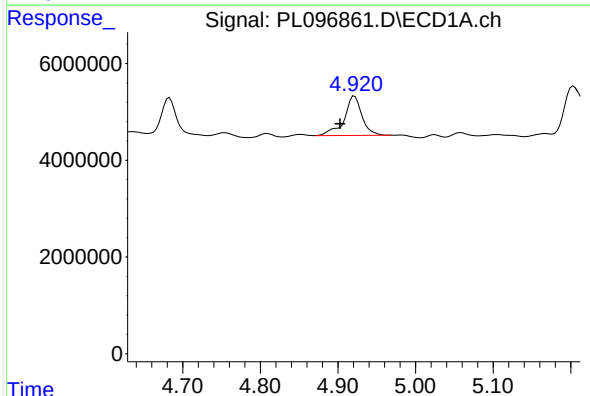
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 41554457
Conc: 13.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425



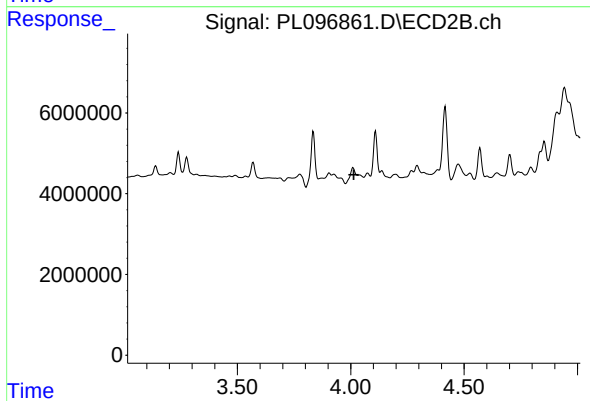
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 57151032
Conc: 11.96 ng/ml



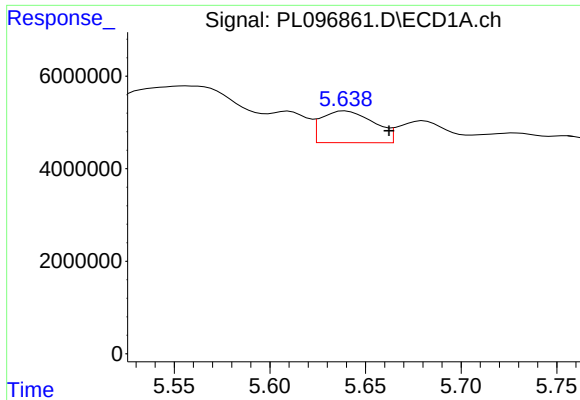
#4 Heptachlor

R.T.: 4.921 min
Delta R.T.: 0.019 min
Response: 12895003
Conc: 3.10 ng/ml



#4 Heptachlor

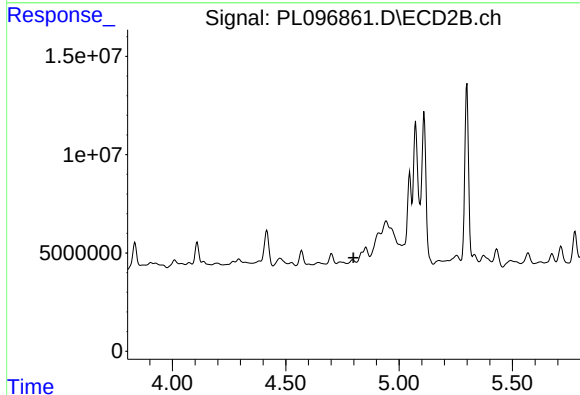
R.T.: 0.000 min
Exp R.T.: 4.014 min
Response: 0
Conc: N.D.



#8 Heptachlor epoxide

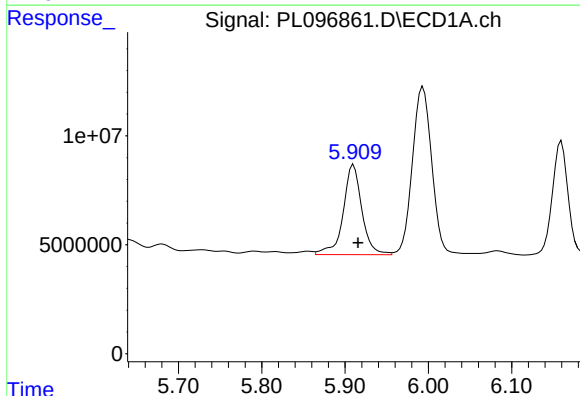
R.T.: 5.640 min
Delta R.T.: -0.023 min
Response: 13142584
Conc: 3.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425



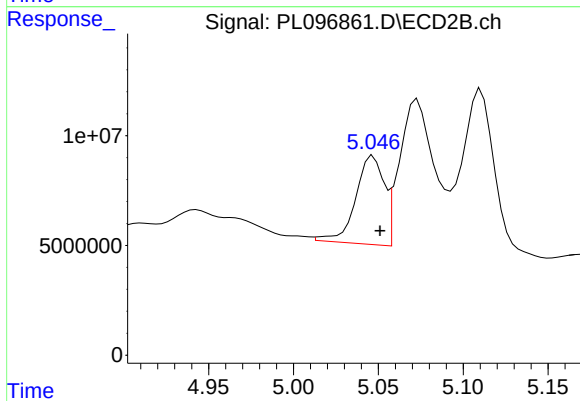
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 4.799 min
Response: 0
Conc: N.D.



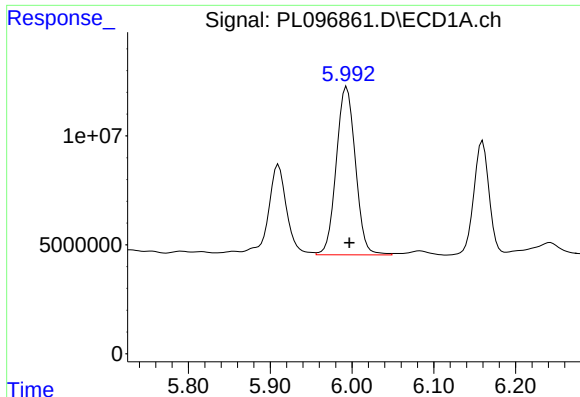
#10 gamma-Chlordane

R.T.: 5.910 min
Delta R.T.: -0.006 min
Response: 64331286
Conc: 16.91 ng/ml



#10 gamma-Chlordane

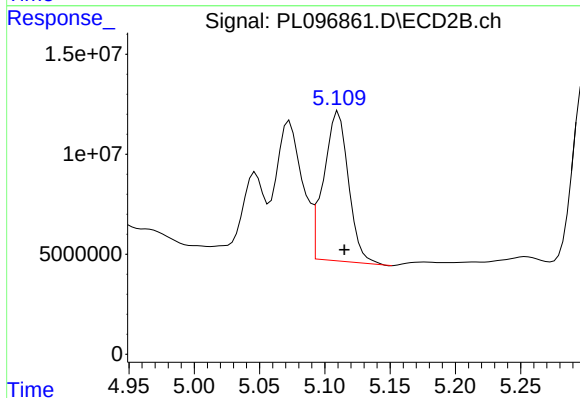
R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 47140918
Conc: 8.02 ng/ml



#11 alpha-Chlordane

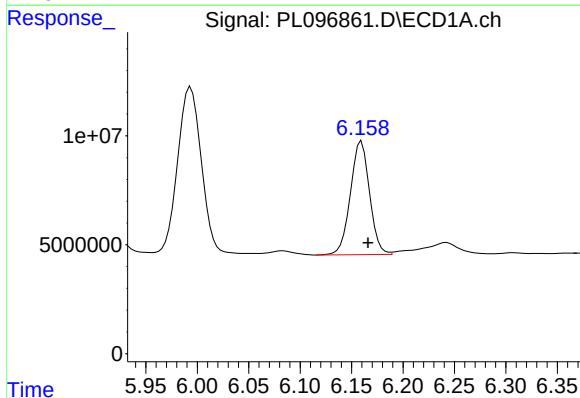
R.T.: 5.994 min
Delta R.T.: -0.003 min
Response: 125215441
Conc: 32.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425



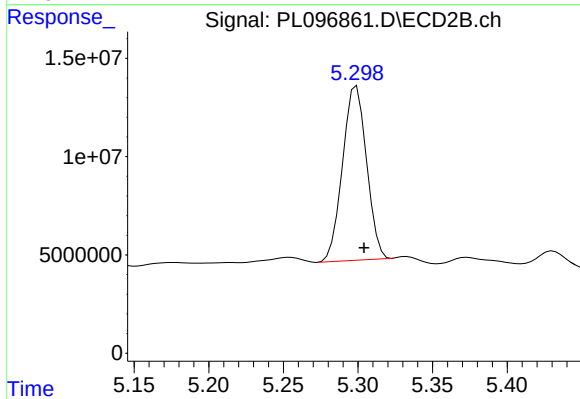
#11 alpha-Chlordane

R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 98626205
Conc: 16.72 ng/ml



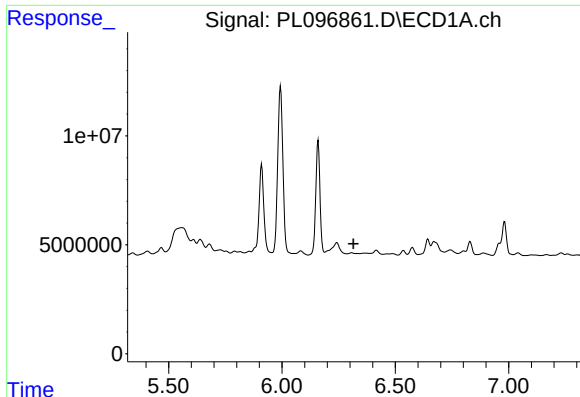
#12 4,4'-DDE

R.T.: 6.160 min
Delta R.T.: -0.006 min
Response: 67408401
Conc: 20.99 ng/ml



#12 4,4'-DDE

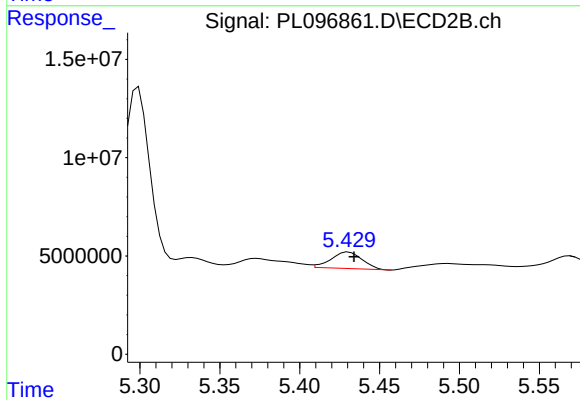
R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 99374175
Conc: 18.02 ng/ml



#13 Dieldrin

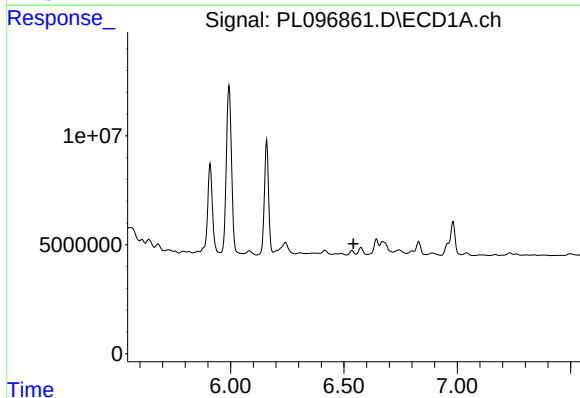
R.T.: 0.000 min
Exp R.T. : 6.316 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425



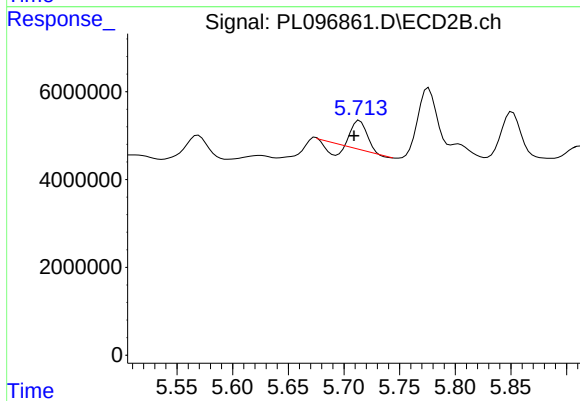
#13 Dieldrin

R.T.: 5.431 min
Delta R.T.: -0.003 min
Response: 11495345
Conc: 1.95 ng/ml



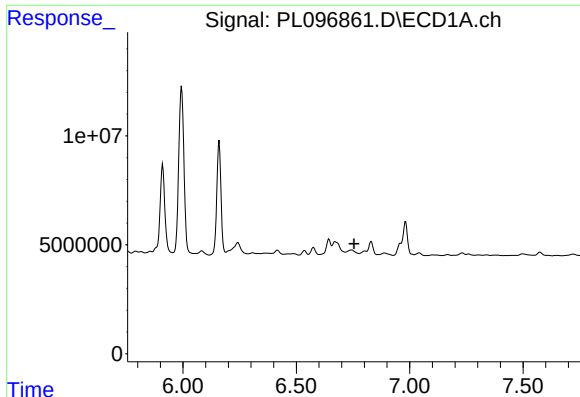
#14 Endrin

R.T.: 0.000 min
Exp R.T. : 6.542 min
Response: 0
Conc: N.D.



#14 Endrin

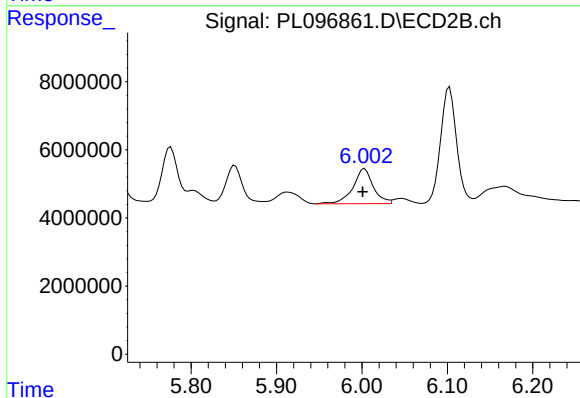
R.T.: 5.714 min
Delta R.T.: 0.005 min
Response: 3608337
Conc: 0.67 ng/ml



#15 Endosulfan II

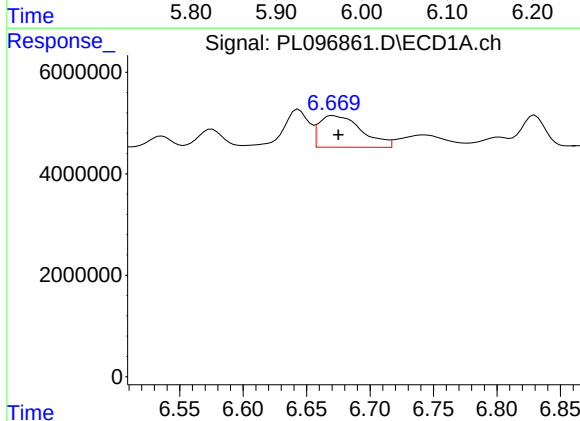
R.T.: 0.000 min
Exp R.T.: 6.755 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425



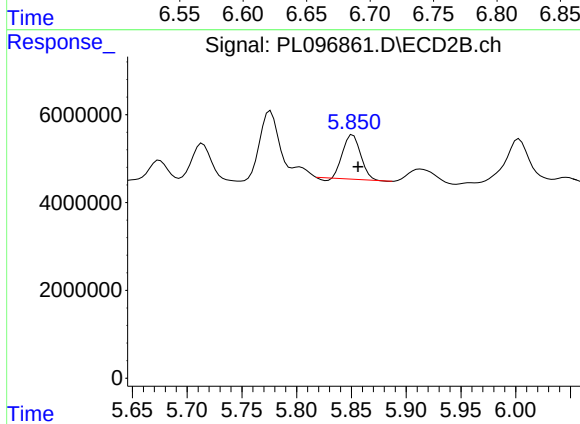
#15 Endosulfan II

R.T.: 6.003 min
Delta R.T.: 0.002 min
Response: 16948130
Conc: 3.30 ng/ml



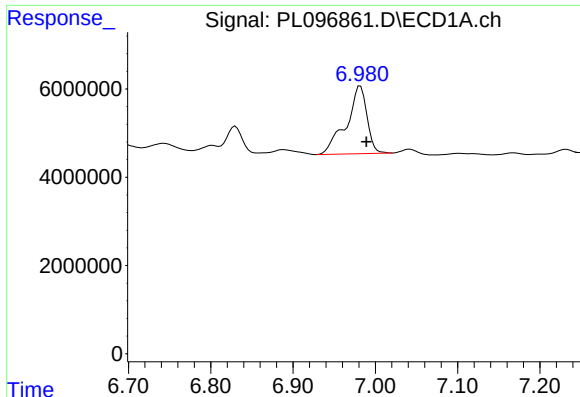
#16 4,4'-DDD

R.T.: 6.671 min
Delta R.T.: -0.004 min
Response: 14494316
Conc: 5.73 ng/ml



#16 4,4'-DDD

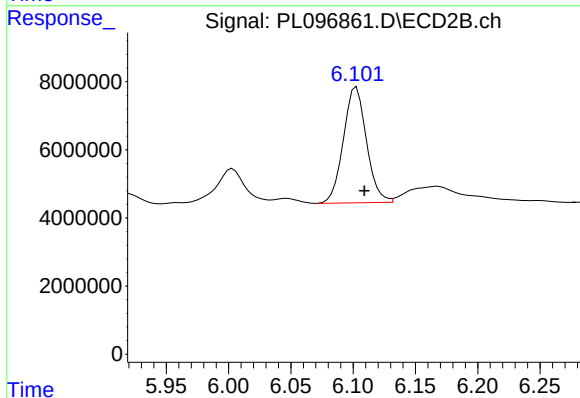
R.T.: 5.851 min
Delta R.T.: -0.005 min
Response: 11438948
Conc: 2.43 ng/ml



#17 4,4'-DDT

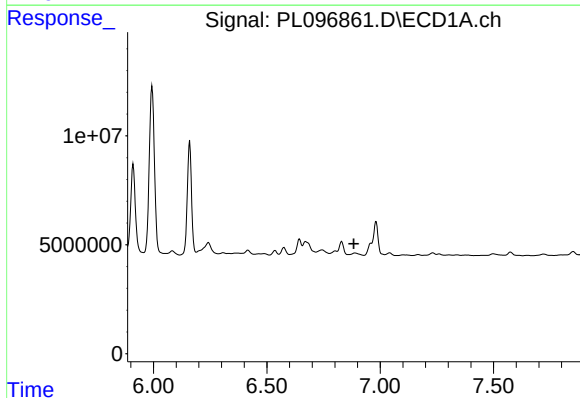
R.T.: 6.982 min
Delta R.T.: -0.007 min
Response: 26656235
Conc: 9.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425



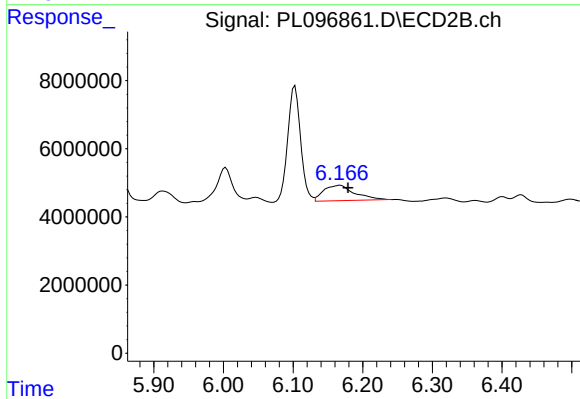
#17 4,4'-DDT

R.T.: 6.103 min
Delta R.T.: -0.006 min
Response: 44007975
Conc: 8.70 ng/ml



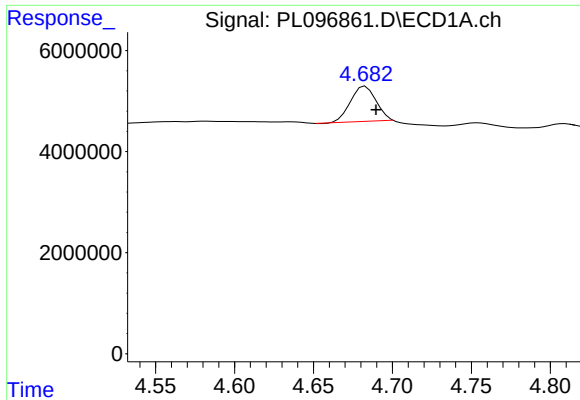
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.884 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

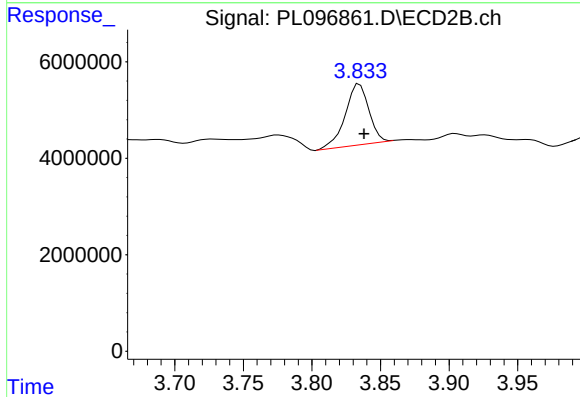
R.T.: 6.168 min
Delta R.T.: -0.011 min
Response: 14146698
Conc: 3.89 ng/ml



#23 Chlordane-1

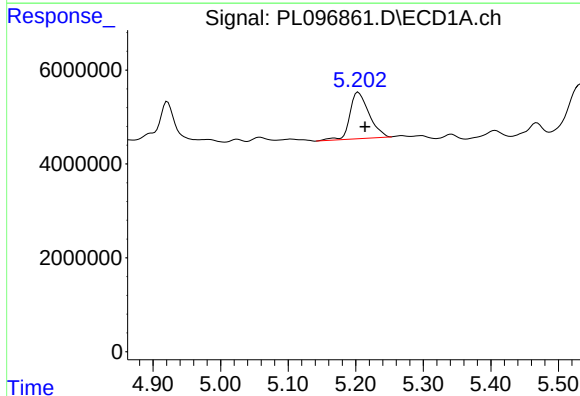
R.T.: 4.683 min
Delta R.T.: -0.007 min
Response: 7860279
Conc: 46.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425



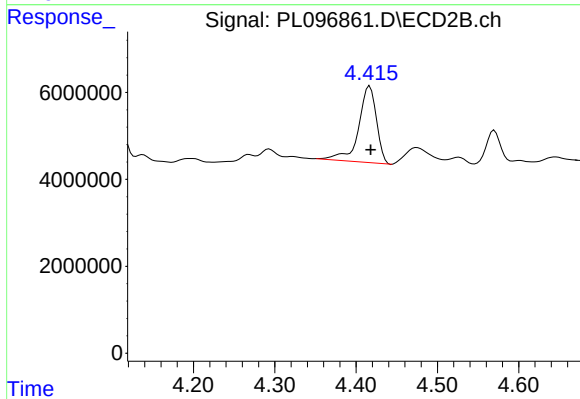
#23 Chlordane-1

R.T.: 3.835 min
Delta R.T.: -0.003 min
Response: 15129180
Conc: 72.17 ng/ml



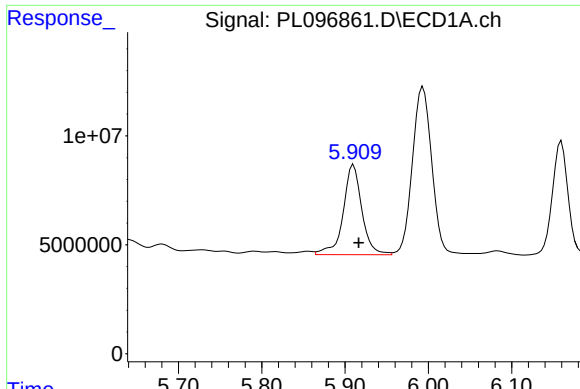
#24 Chlordane-2

R.T.: 5.204 min
Delta R.T.: -0.010 min
Response: 19496828
Conc: 111.41 ng/ml



#24 Chlordane-2

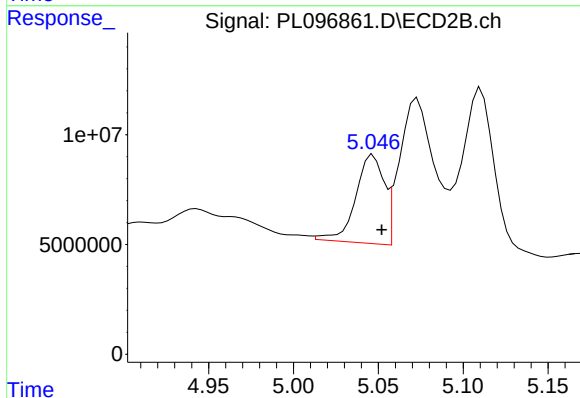
R.T.: 4.417 min
Delta R.T.: -0.001 min
Response: 26836774
Conc: 110.63 ng/ml



#25 Chlordane-3

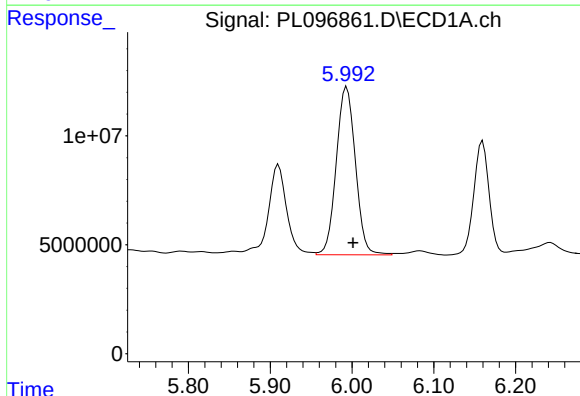
R.T.: 5.910 min
Delta R.T.: -0.006 min
Response: 64331286
Conc: 96.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425



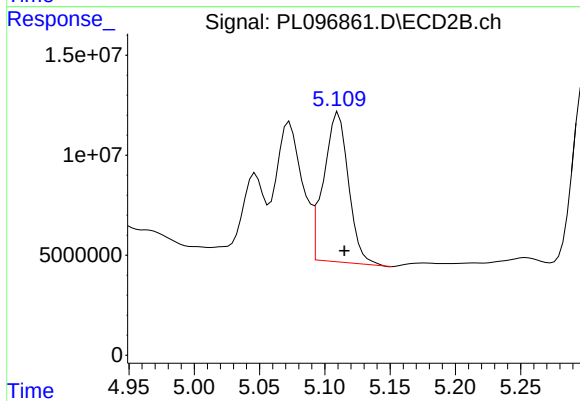
#25 Chlordane-3

R.T.: 5.047 min
Delta R.T.: -0.005 min
Response: 47140918
Conc: 67.80 ng/ml



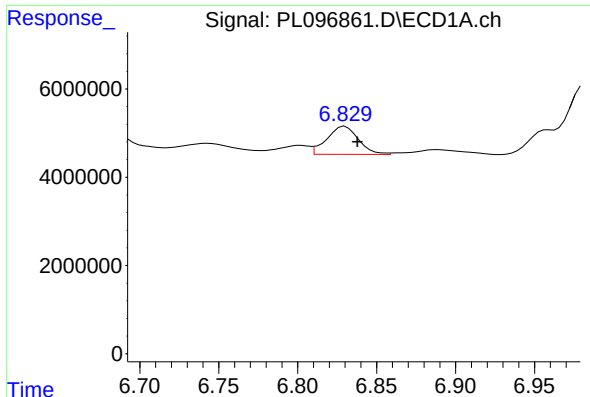
#26 Chlordane-4

R.T.: 5.994 min
Delta R.T.: -0.007 min
Response: 125215441
Conc: 151.28 ng/ml



#26 Chlordane-4

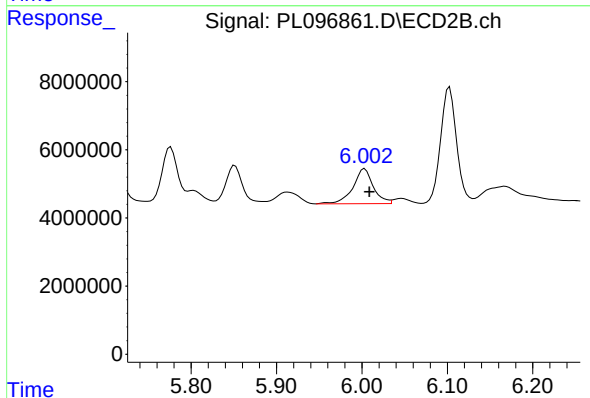
R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 98626205
Conc: 158.48 ng/ml



#27 Chlordane-5

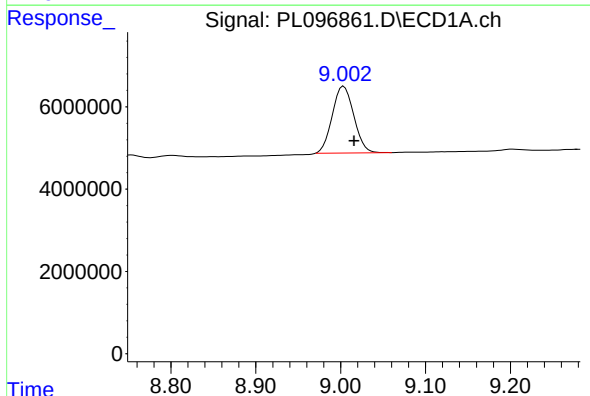
R.T.: 6.830 min
Delta R.T.: -0.008 min
Response: 8857527
Conc: 67.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425



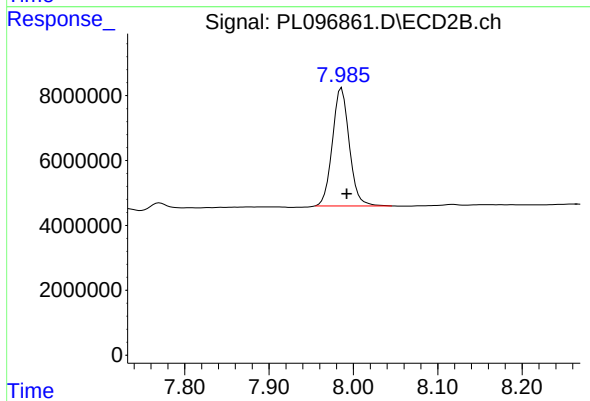
#27 Chlordane-5

R.T.: 6.003 min
Delta R.T.: -0.005 min
Response: 16948130
Conc: 66.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.012 min
Response: 28666903
Conc: 12.02 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 50713678
Conc: 11.69 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
 Data File : PL096862.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 18:06
 Operator : AR\AJ
 Sample : Q2879-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-TS-GRILLO-TSCP05-081425

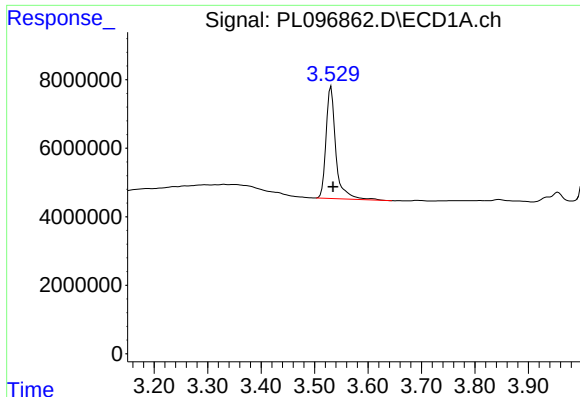
Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:01:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.826	41545199	57840532	13.061	12.106
2)	SA Decachlor...	9.005	7.986	27799271	48942458	11.658	11.281
Target Compounds							
4)	MA Heptachlor	4.922f	4.010	10015020	9669101	2.410	1.451 #
8)	B Heptachlo...	5.640f	0.000	13955429	0	3.619	N.D. #
10)	B gamma-Chl...	5.910	5.047	55214734	40149823	14.510	6.828 #
11)	B alpha-Chl...	5.994	5.111	100.6E6	77865266	26.087	13.200 #
12)	B 4,4'-DDE	6.159	5.299	62001399	91319554	19.308	16.560
13)	MA Dieldrin	0.000	5.431	0	11394145	N.D.	1.929 #
14)	MA Endrin	0.000	5.714	0	3464702	N.D.	0.641 #
15)	B Endosulfa...	0.000	6.004	0	17290943	N.D.	3.366 #
16)	A 4,4'-DDD	6.671	5.852	14330578	10984530	5.668	2.335 #
17)	MA 4,4'-DDT	6.981	6.103	24766061	41425685	8.636	8.190
18)	B Endrin al...	0.000	6.168	0	14116978	N.D.	3.884 #
23)	Chlordane-1	4.684	3.834	9125584	16929506	53.644	80.756 #
24)	Chlordane-2	5.205	4.416	17994450	26183004	102.821	107.931
25)	Chlordane-3	5.910	5.047	55214734	40149823	82.665	57.744 #
26)	Chlordane-4	5.994	5.111	100.6E6	77865266	121.487	125.119
27)	Chlordane-5	6.830	6.004	7502646	17290943	56.776	67.778

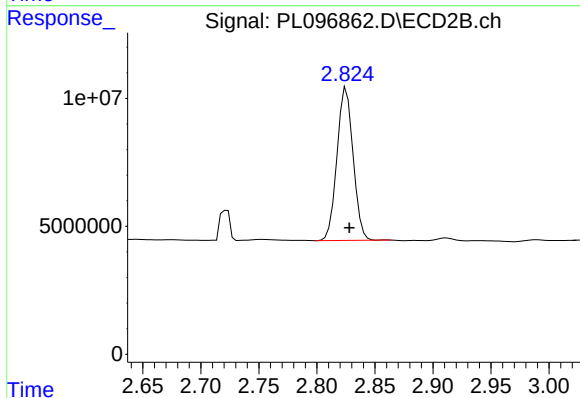
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



#1 Tetrachloro-m-xylene

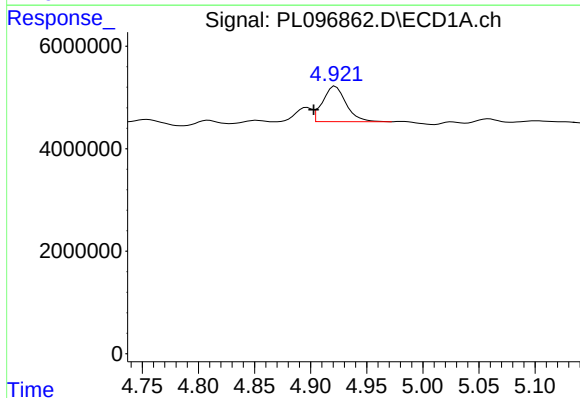
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 41545199
Conc: 13.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425



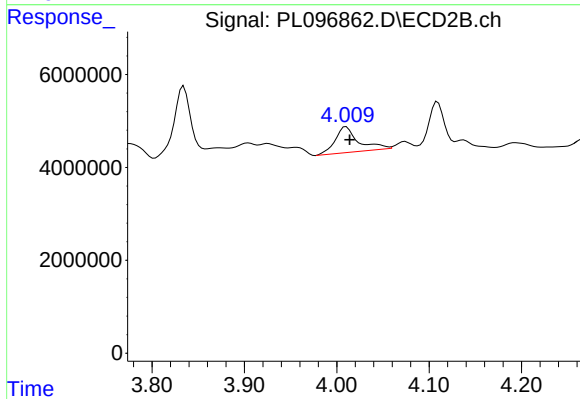
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 57840532
Conc: 12.11 ng/ml



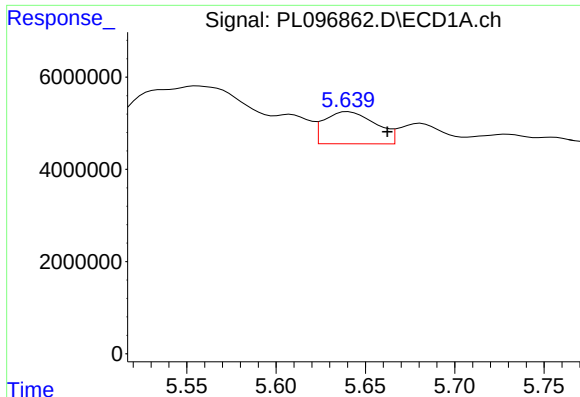
#4 Heptachlor

R.T.: 4.922 min
Delta R.T.: 0.019 min
Response: 10015020
Conc: 2.41 ng/ml



#4 Heptachlor

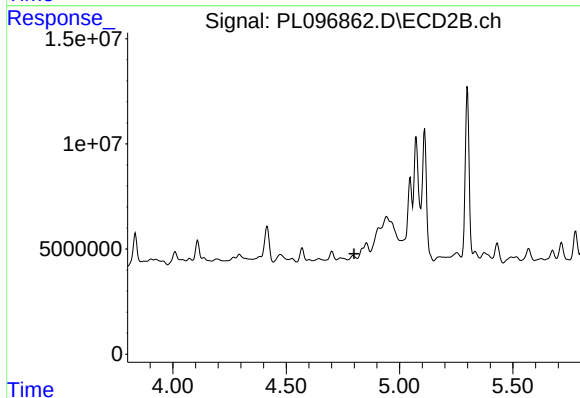
R.T.: 4.010 min
Delta R.T.: -0.004 min
Response: 9669101
Conc: 1.45 ng/ml



#8 Heptachlor epoxide

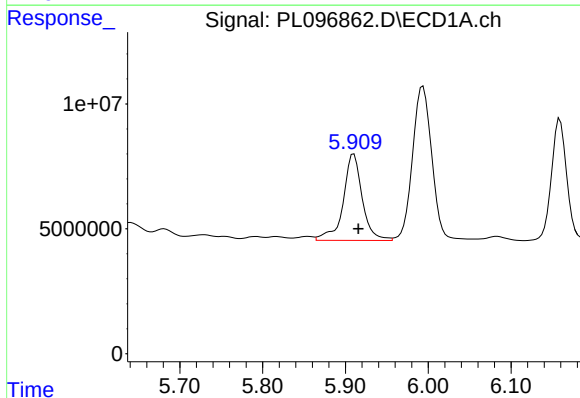
R.T.: 5.640 min
Delta R.T.: -0.022 min
Response: 13955429
Conc: 3.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425



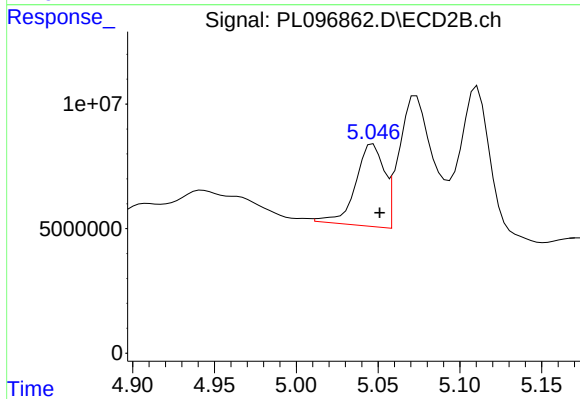
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 4.799 min
Response: 0
Conc: N.D.



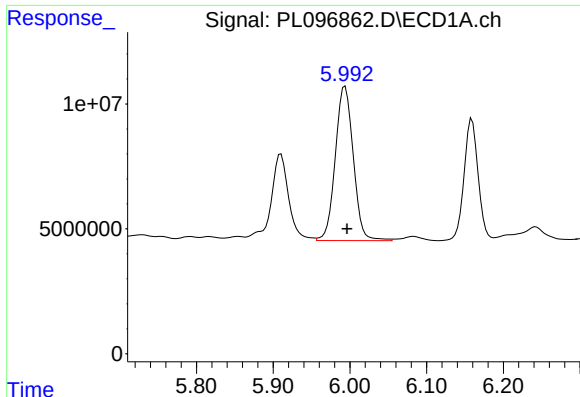
#10 gamma-Chlordane

R.T.: 5.910 min
Delta R.T.: -0.006 min
Response: 55214734
Conc: 14.51 ng/ml



#10 gamma-Chlordane

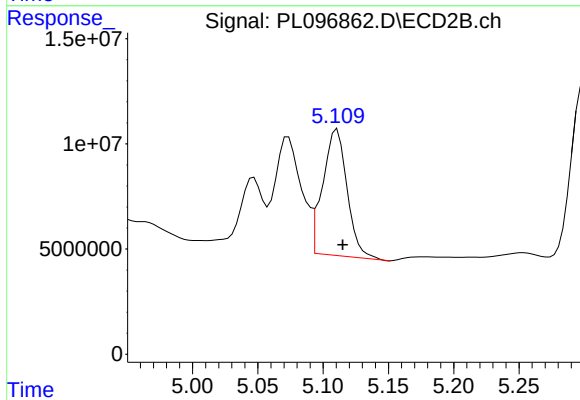
R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 40149823
Conc: 6.83 ng/ml



#11 alpha-Chlordane

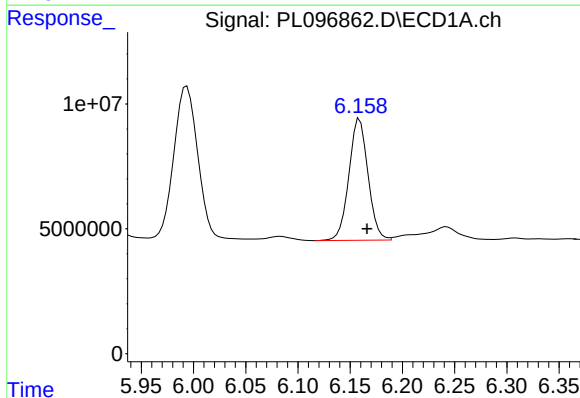
R.T.: 5.994 min
Delta R.T.: -0.003 min
Response: 100554265
Conc: 26.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425



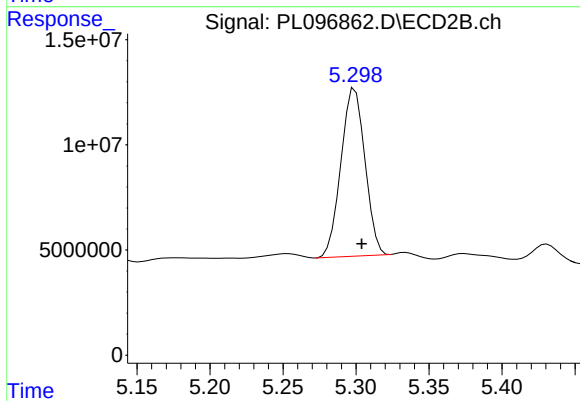
#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 77865266
Conc: 13.20 ng/ml



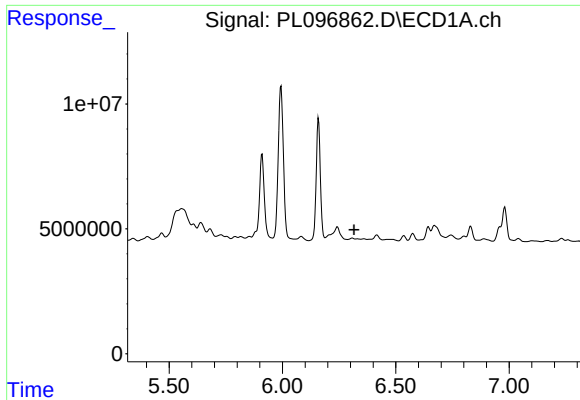
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 62001399
Conc: 19.31 ng/ml



#12 4,4'-DDE

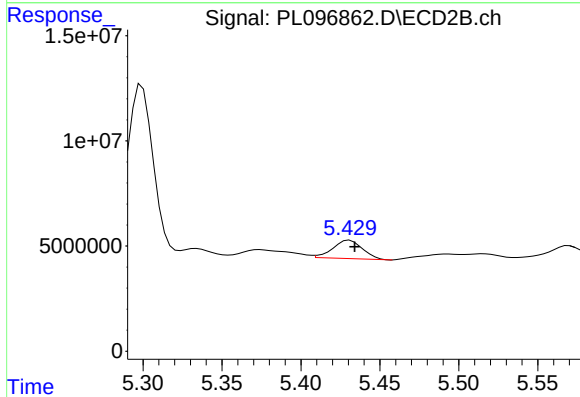
R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 91319554
Conc: 16.56 ng/ml



#13 Dieldrin

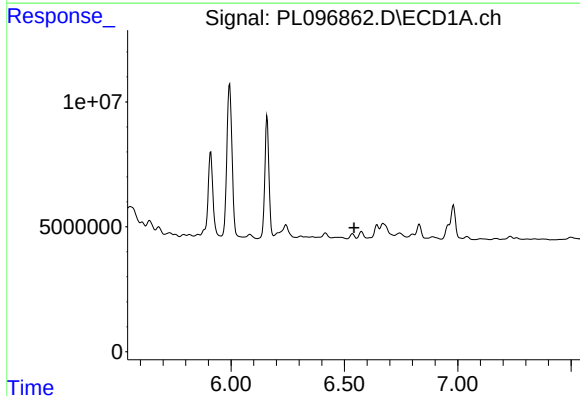
R.T.: 0.000 min
Exp R.T.: 6.316 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425



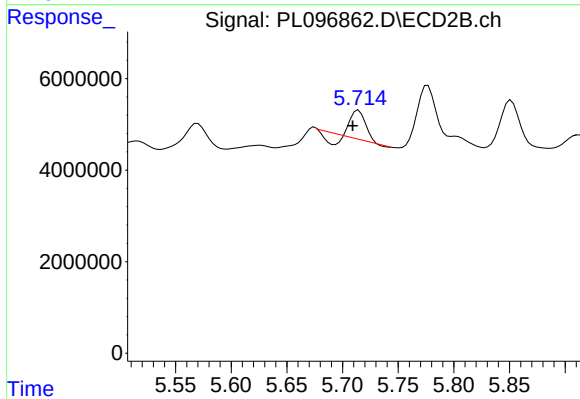
#13 Dieldrin

R.T.: 5.431 min
Delta R.T.: -0.003 min
Response: 11394145
Conc: 1.93 ng/ml



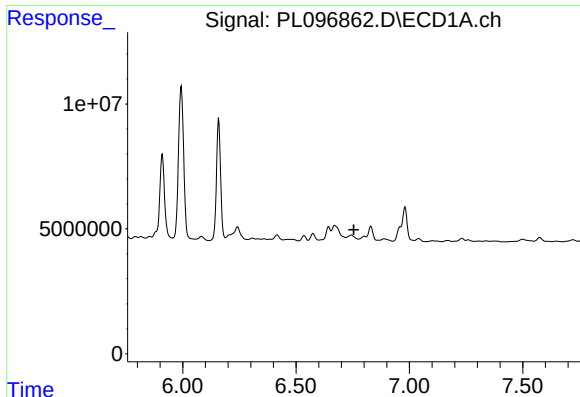
#14 Endrin

R.T.: 0.000 min
Exp R.T.: 6.542 min
Response: 0
Conc: N.D.



#14 Endrin

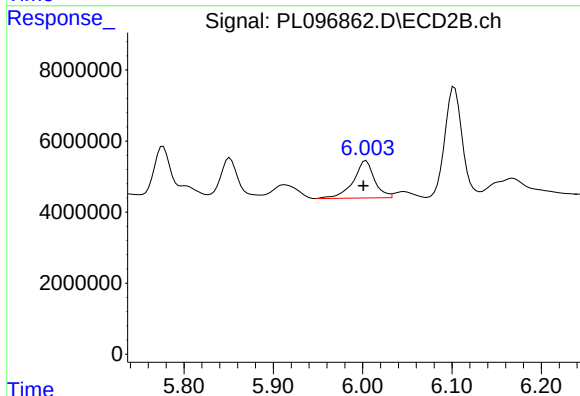
R.T.: 5.714 min
Delta R.T.: 0.005 min
Response: 3464702
Conc: 0.64 ng/ml



#15 Endosulfan II

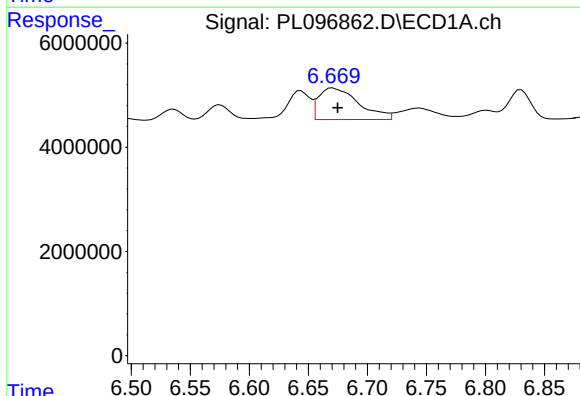
R.T.: 0.000 min
Exp R.T.: 6.755 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425



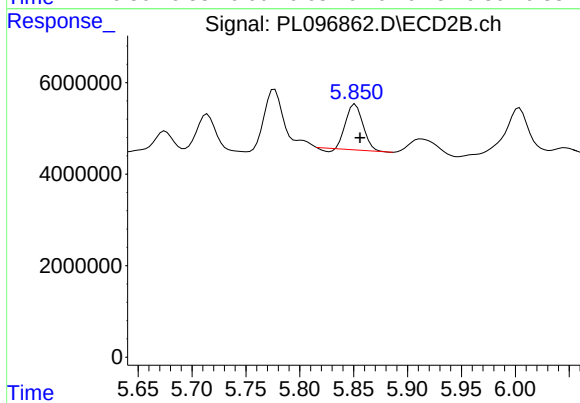
#15 Endosulfan II

R.T.: 6.004 min
Delta R.T.: 0.003 min
Response: 17290943
Conc: 3.37 ng/ml



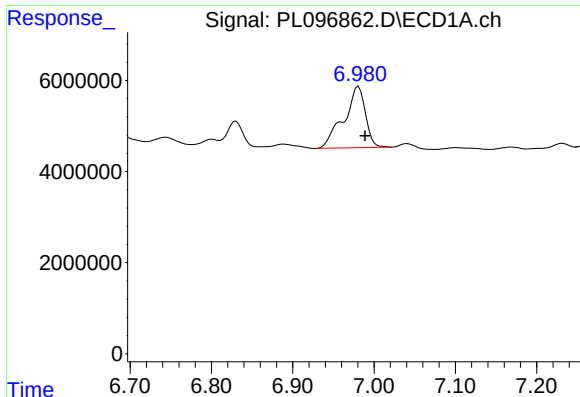
#16 4,4'-DDD

R.T.: 6.671 min
Delta R.T.: -0.004 min
Response: 14330578
Conc: 5.67 ng/ml



#16 4,4'-DDD

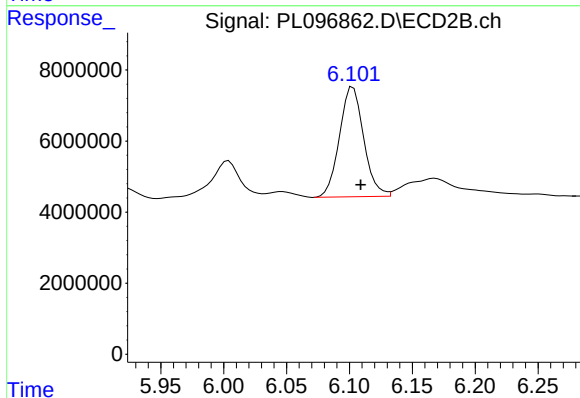
R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 10984530
Conc: 2.33 ng/ml



#17 4,4'-DDT

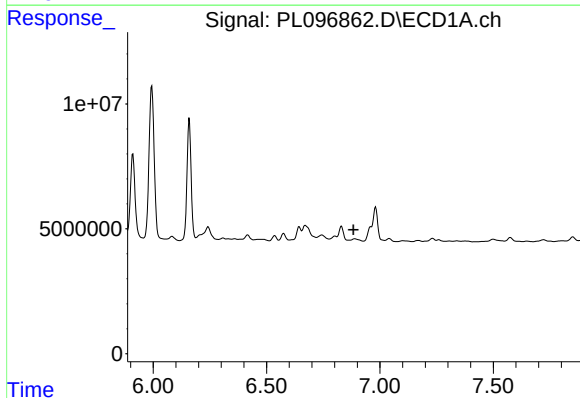
R.T.: 6.981 min
Delta R.T.: -0.008 min
Response: 24766061
Conc: 8.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425



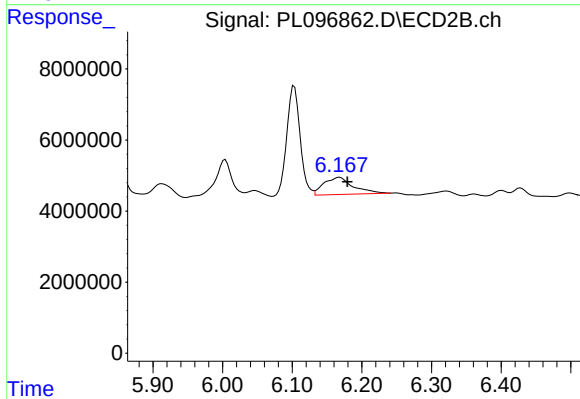
#17 4,4'-DDT

R.T.: 6.103 min
Delta R.T.: -0.006 min
Response: 41425685
Conc: 8.19 ng/ml



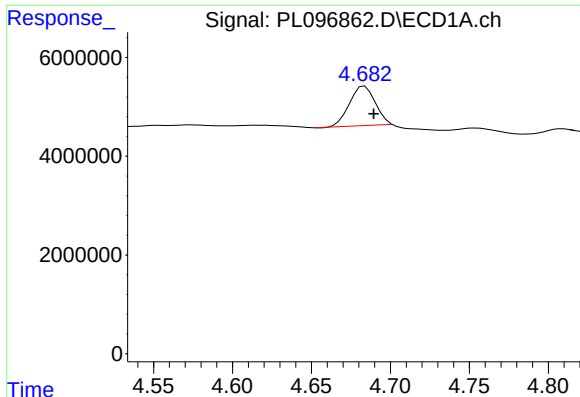
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.884 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

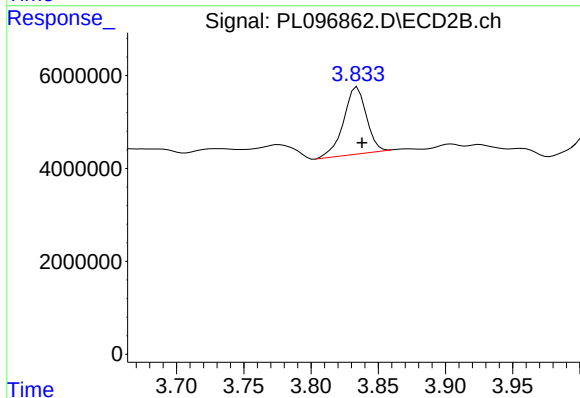
R.T.: 6.168 min
Delta R.T.: -0.011 min
Response: 14116978
Conc: 3.88 ng/ml



#23 Chlordane-1

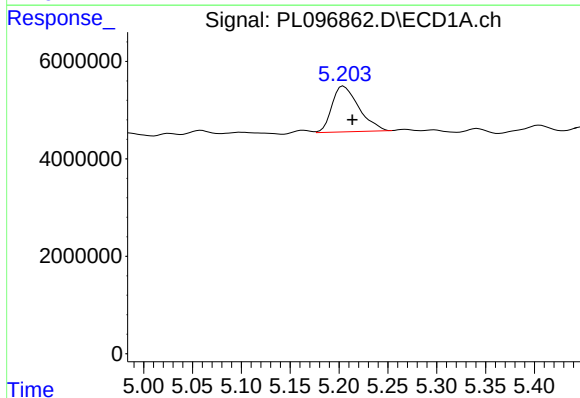
R.T.: 4.684 min
Delta R.T.: -0.006 min
Response: 9125584
Conc: 53.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425



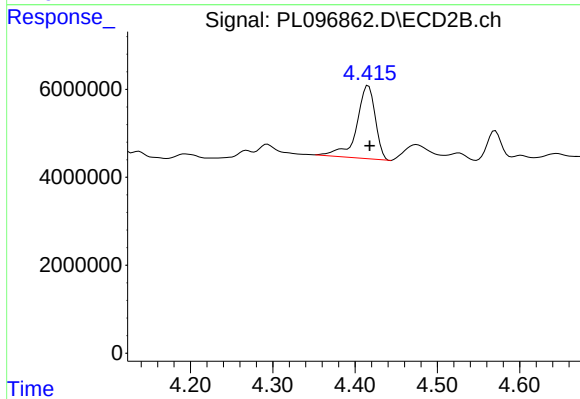
#23 Chlordane-1

R.T.: 3.834 min
Delta R.T.: -0.004 min
Response: 16929506
Conc: 80.76 ng/ml



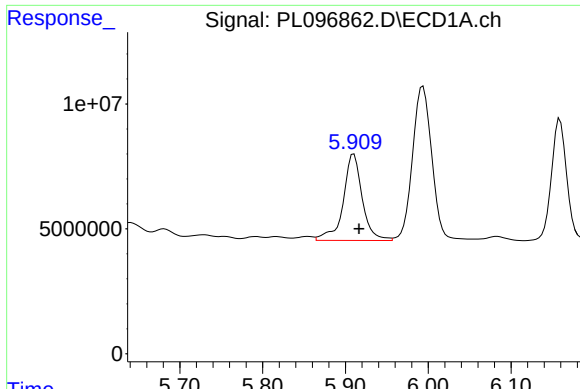
#24 Chlordane-2

R.T.: 5.205 min
Delta R.T.: -0.009 min
Response: 17994450
Conc: 102.82 ng/ml



#24 Chlordane-2

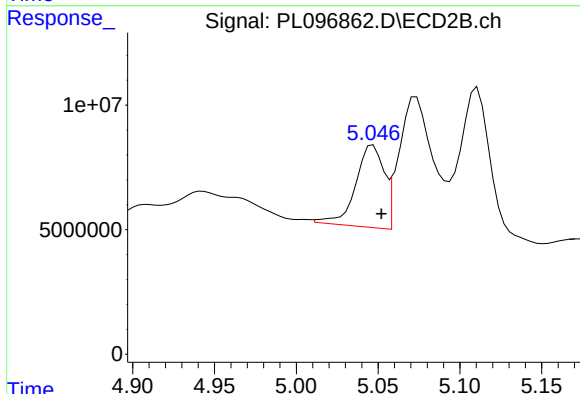
R.T.: 4.416 min
Delta R.T.: -0.002 min
Response: 26183004
Conc: 107.93 ng/ml



#25 Chlordane-3

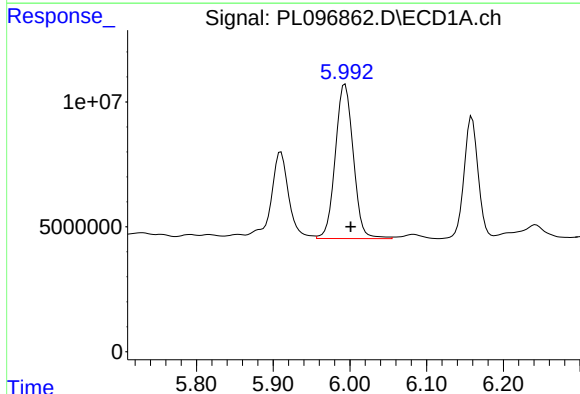
R.T.: 5.910 min
Delta R.T.: -0.006 min
Response: 55214734
Conc: 82.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425



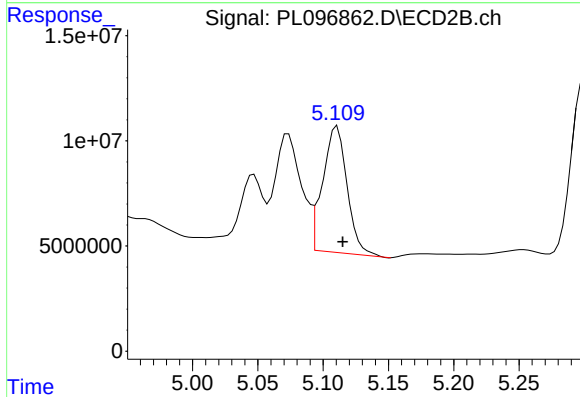
#25 Chlordane-3

R.T.: 5.047 min
Delta R.T.: -0.005 min
Response: 40149823
Conc: 57.74 ng/ml



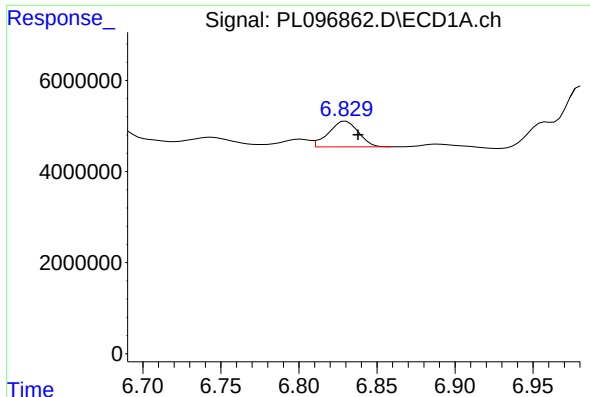
#26 Chlordane-4

R.T.: 5.994 min
Delta R.T.: -0.007 min
Response: 100554265
Conc: 121.49 ng/ml



#26 Chlordane-4

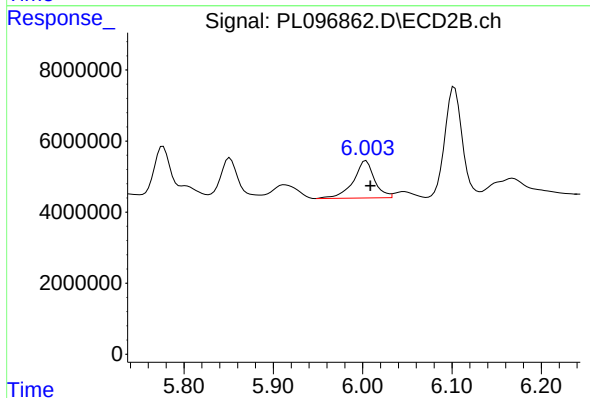
R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 77865266
Conc: 125.12 ng/ml



#27 Chlordane-5

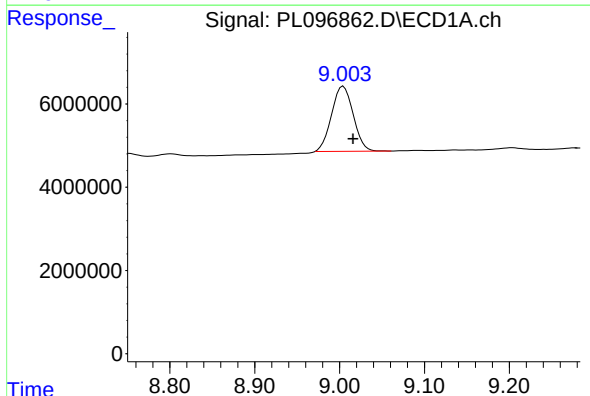
R.T.: 6.830 min
Delta R.T.: -0.008 min
Response: 7502646
Conc: 56.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP05-081425



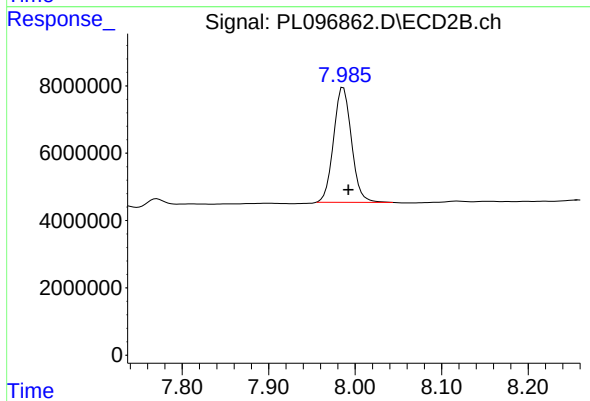
#27 Chlordane-5

R.T.: 6.004 min
Delta R.T.: -0.005 min
Response: 17290943
Conc: 67.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.005 min
Delta R.T.: -0.011 min
Response: 27799271
Conc: 11.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 48942458
Conc: 11.28 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
 Data File : PL096863.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 18:19
 Operator : AR\AJ
 Sample : Q2879-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-TS-GRILLO-TSCP06-081425

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:01:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.826	38270986	52913686	12.032	11.075
28)	SA Decachlor...	9.004	7.986	26370800	45449962	11.059	10.476
Target Compounds							
4)	MA Heptachlor	4.922f	4.010	11007058	3012385	2.649	0.452 #
8)	B Heptachlo...	5.640f	0.000	11347445	0	2.942	N.D. #
10)	B gamma-Chl...	5.910	5.047	44681705	33087238	11.742	5.627 #
11)	B alpha-Chl...	5.993	5.110	87466233	67998415	22.691	11.527 #
12)	B 4,4'-DDE	6.159	5.299	53422873	77181620	16.636	13.996
13)	MA Dieldrin	0.000	5.431	0	10576125	N.D.	1.791 #
14)	MA Endrin	0.000	5.714	0	4539396	N.D.	0.840 #
15)	B Endosulfa...	0.000	6.004	0	13681425	N.D.	2.664 #
16)	A 4,4'-DDD	6.671	5.852	11887244	9019440	4.702	1.917 #
17)	MA 4,4'-DDT	6.981	6.103	14853624	30612679	5.180	6.052
23)	Chlordane-1	4.683	3.835	6590981	13226303	38.745	63.091 #
24)	Chlordane-2	5.204	4.416	15805343	23204949	90.313	95.655
25)	Chlordane-3	5.910	5.047	44681705	33087238	66.895	47.587 #
26)	Chlordane-4	5.993	5.110	87466233	67998415	105.674	109.264
27)	Chlordane-5	6.830	6.004	7451468	13681425	56.389	53.629

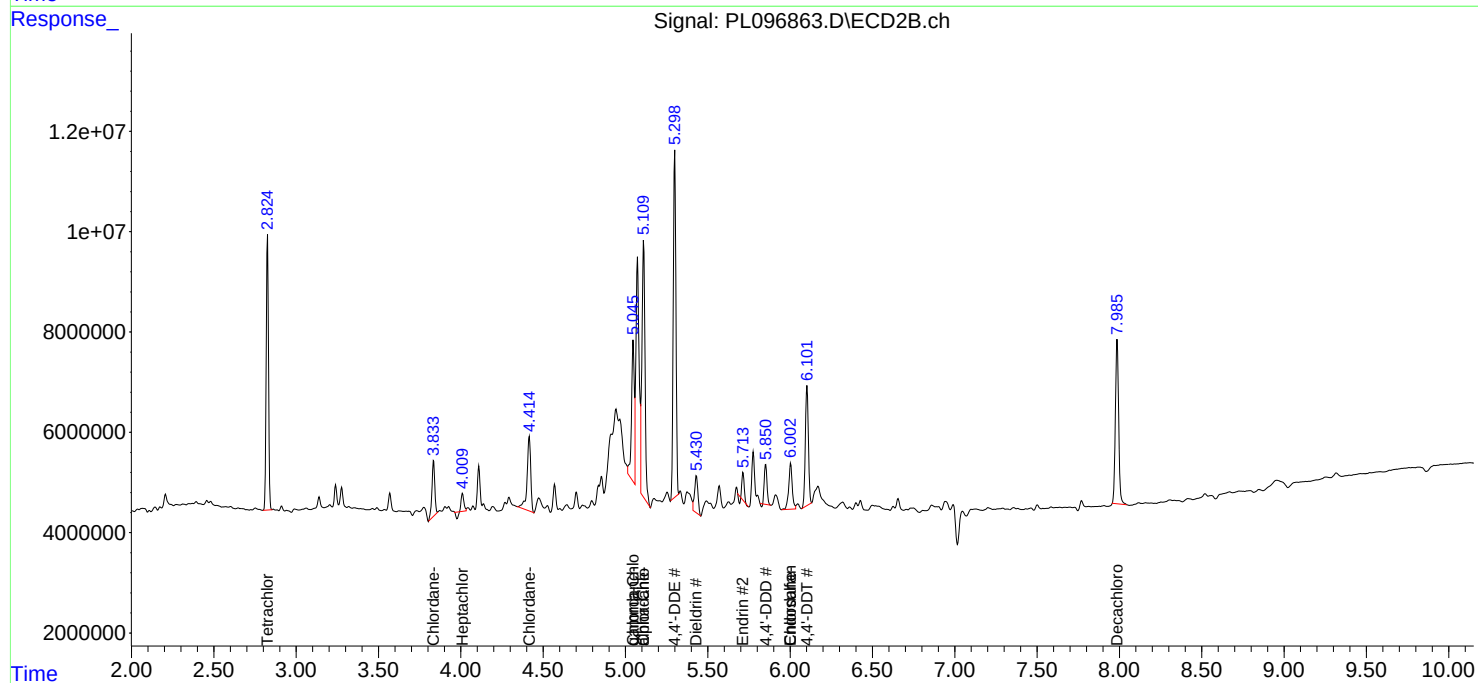
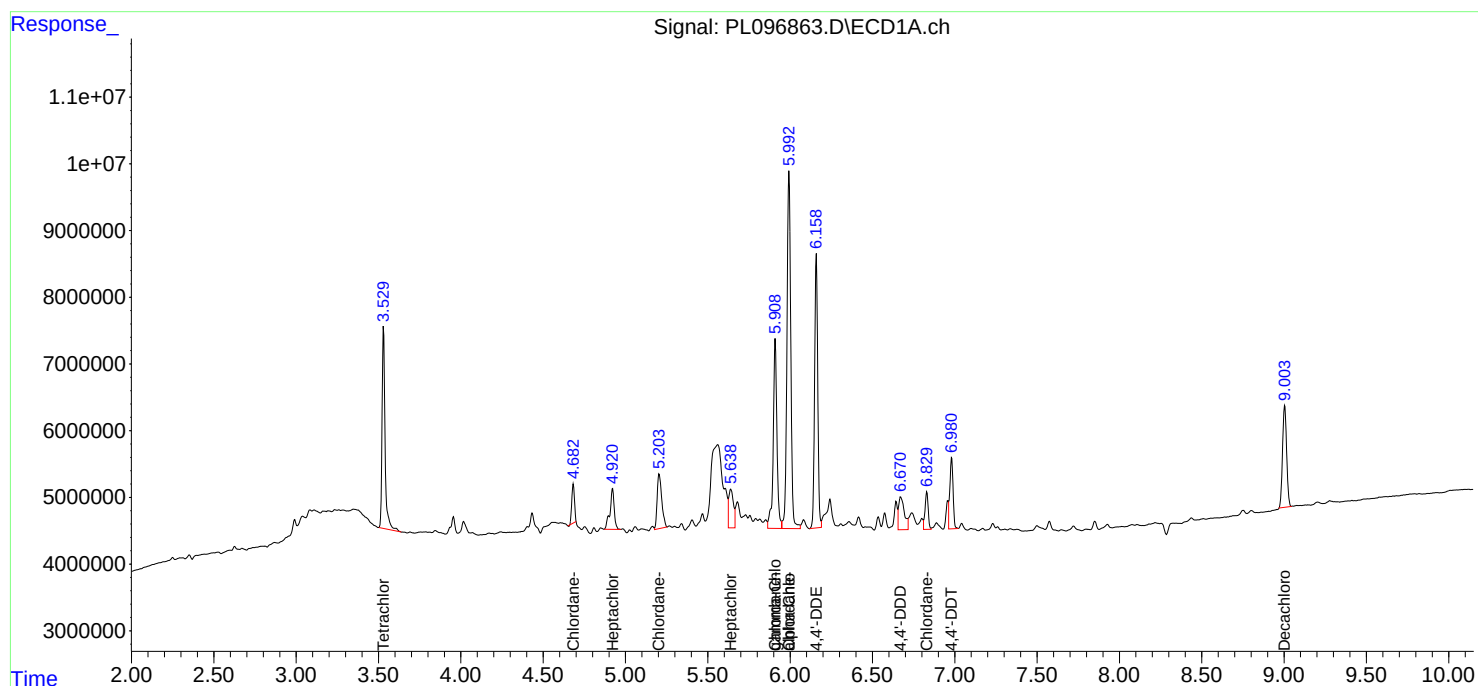
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

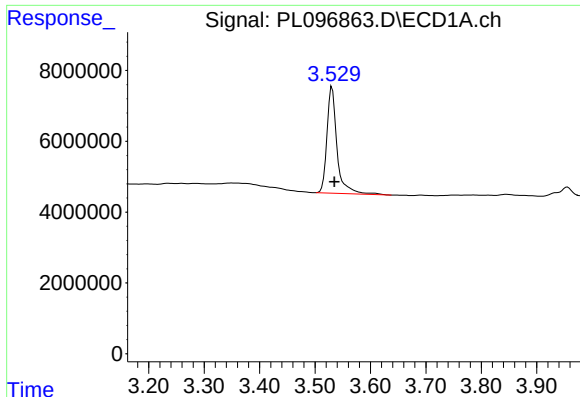
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096863.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 18:19
Operator : AR\AJ
Sample : Q2879-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 06:01:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

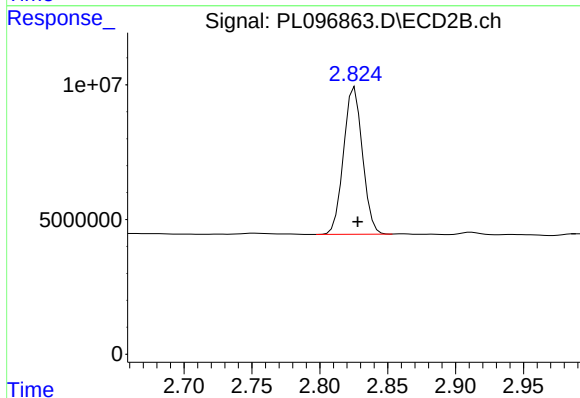




#1 Tetrachloro-m-xylene

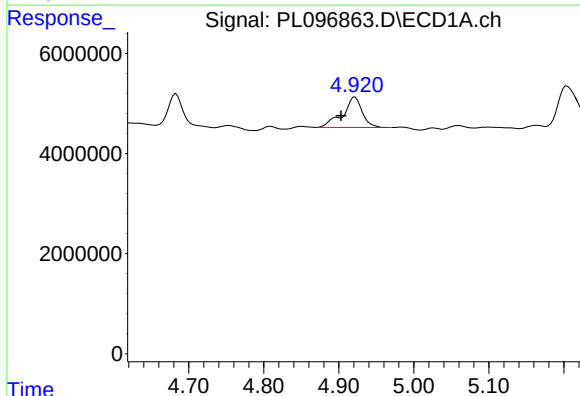
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 38270986
Conc: 12.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425



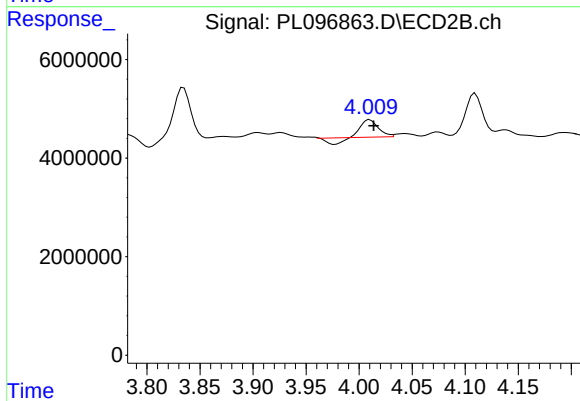
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 52913686
Conc: 11.07 ng/ml



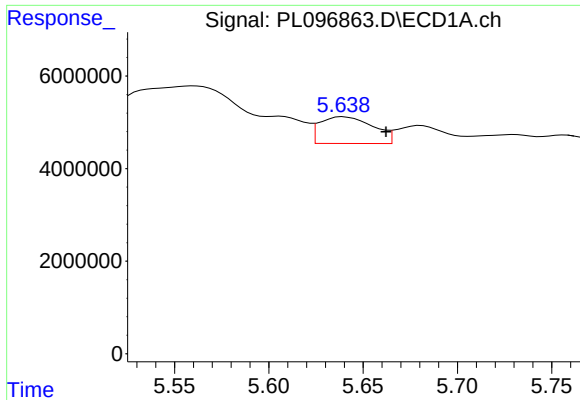
#4 Heptachlor

R.T.: 4.922 min
Delta R.T.: 0.019 min
Response: 11007058
Conc: 2.65 ng/ml



#4 Heptachlor

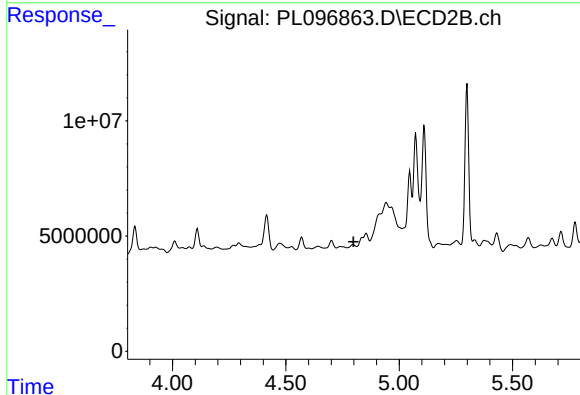
R.T.: 4.010 min
Delta R.T.: -0.004 min
Response: 3012385
Conc: 0.45 ng/ml



#8 Heptachlor epoxide

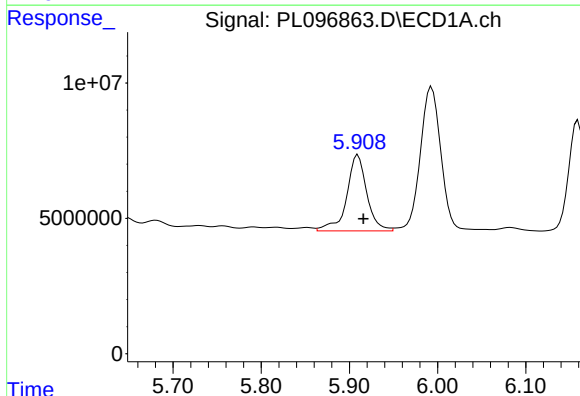
R.T.: 5.640 min
Delta R.T.: -0.023 min
Response: 11347445
Conc: 2.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425



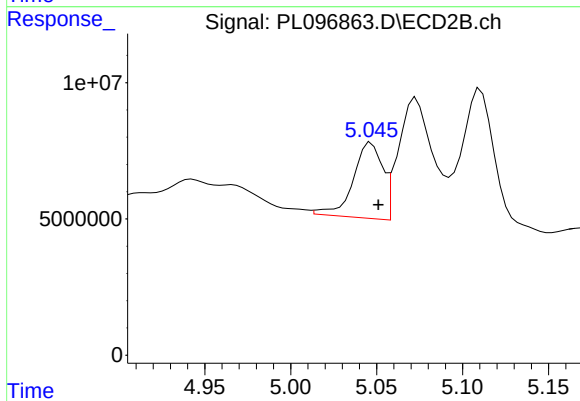
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 4.799 min
Response: 0
Conc: N.D.



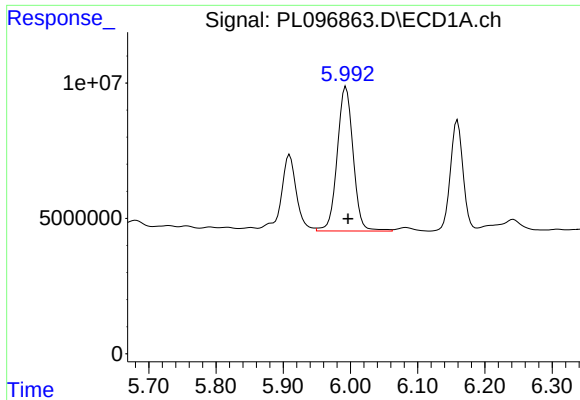
#10 gamma-Chlordane

R.T.: 5.910 min
Delta R.T.: -0.006 min
Response: 44681705
Conc: 11.74 ng/ml



#10 gamma-Chlordane

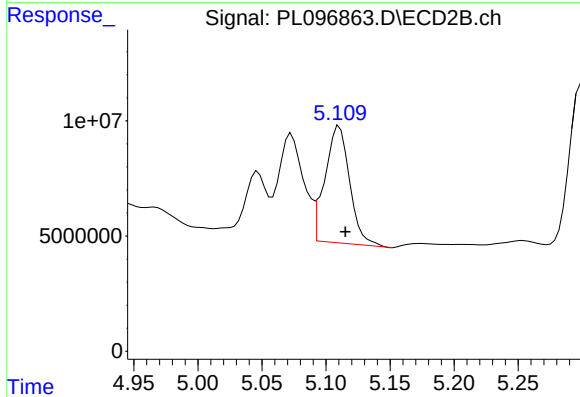
R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 33087238
Conc: 5.63 ng/ml



#11 alpha-Chlordane

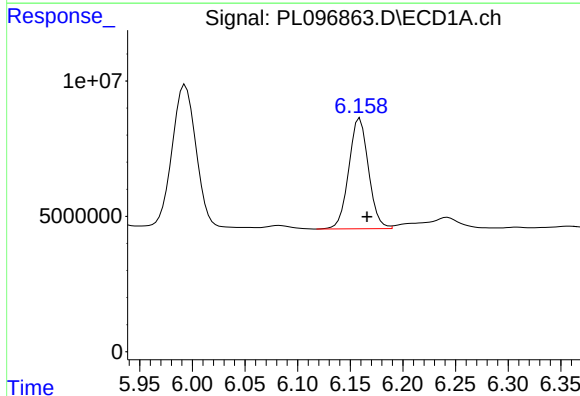
R.T.: 5.993 min
Delta R.T.: -0.003 min
Response: 87466233
Conc: 22.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425



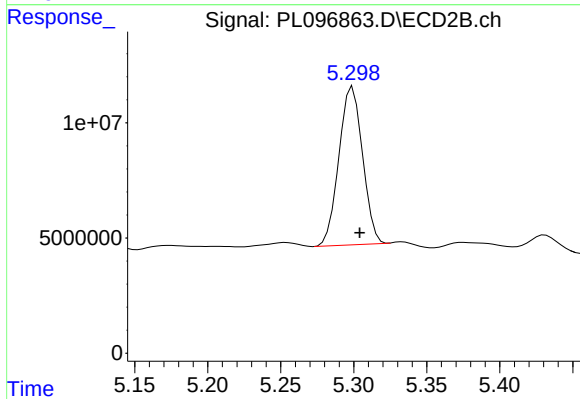
#11 alpha-Chlordane

R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 67998415
Conc: 11.53 ng/ml



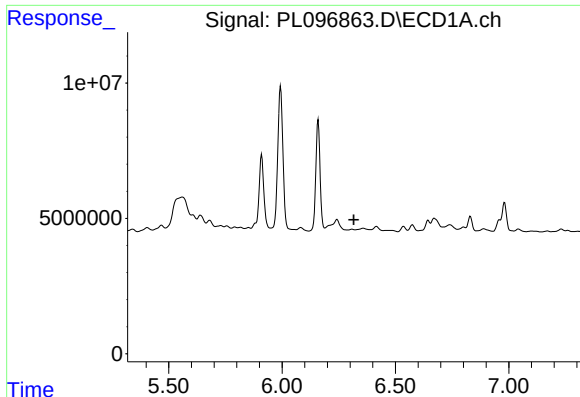
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 53422873
Conc: 16.64 ng/ml



#12 4,4'-DDE

R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 77181620
Conc: 14.00 ng/ml



#13 Dieldrin

R.T.: 0.000 min
Exp R.T.: 6.316 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

#13 Dieldrin

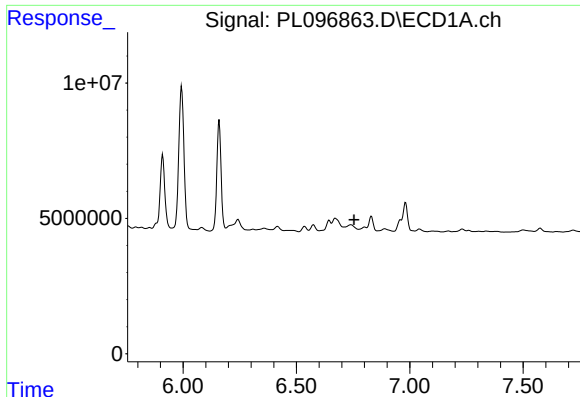
R.T.: 5.431 min
Delta R.T.: -0.003 min
Response: 10576125
Conc: 1.79 ng/ml

#14 Endrin

R.T.: 0.000 min
Exp R.T.: 6.542 min
Response: 0
Conc: N.D.

#14 Endrin

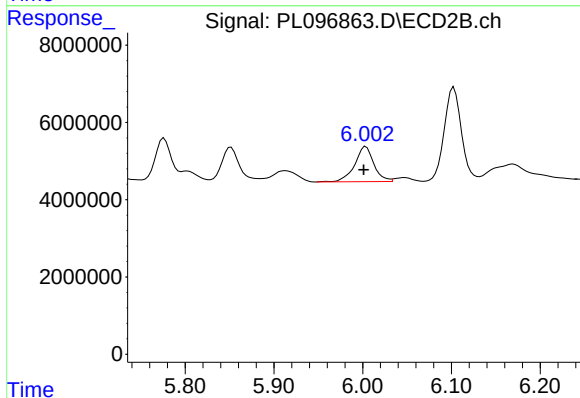
R.T.: 5.714 min
Delta R.T.: 0.005 min
Response: 4539396
Conc: 0.84 ng/ml



#15 Endosulfan II

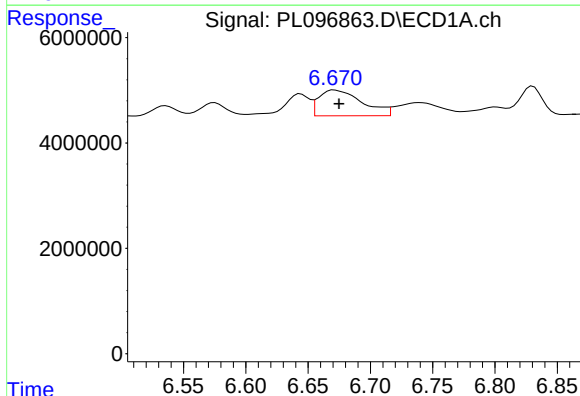
R.T.: 0.000 min
Exp R.T.: 6.755 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425



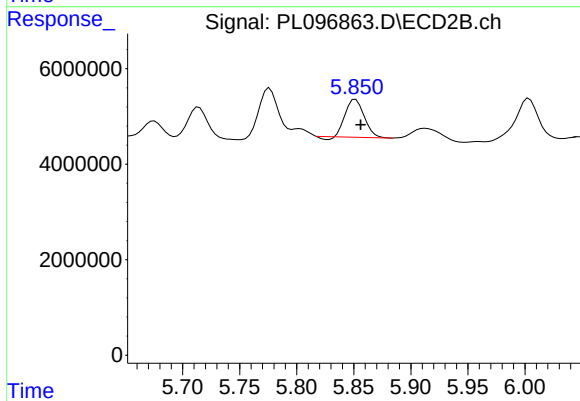
#15 Endosulfan II

R.T.: 6.004 min
Delta R.T.: 0.003 min
Response: 13681425
Conc: 2.66 ng/ml



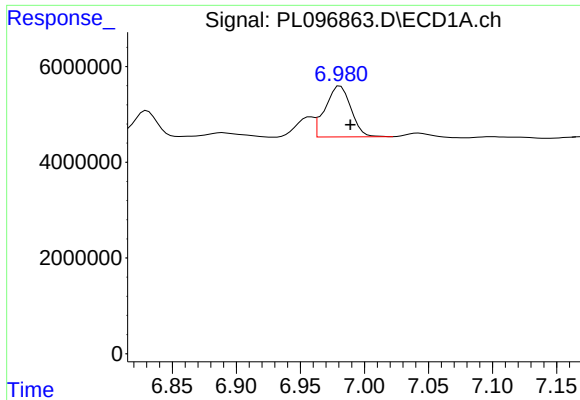
#16 4,4'-DDD

R.T.: 6.671 min
Delta R.T.: -0.004 min
Response: 11887244
Conc: 4.70 ng/ml



#16 4,4'-DDD

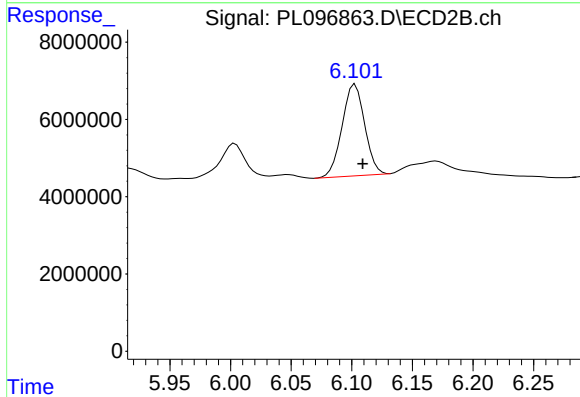
R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 9019440
Conc: 1.92 ng/ml



#17 4,4'-DDT

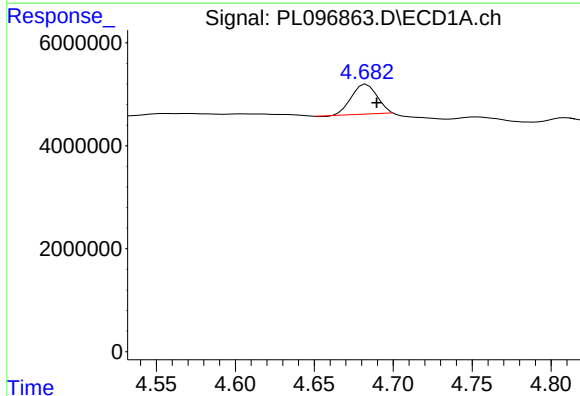
R.T.: 6.981 min
Delta R.T.: -0.008 min
Response: 14853624
Conc: 5.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425



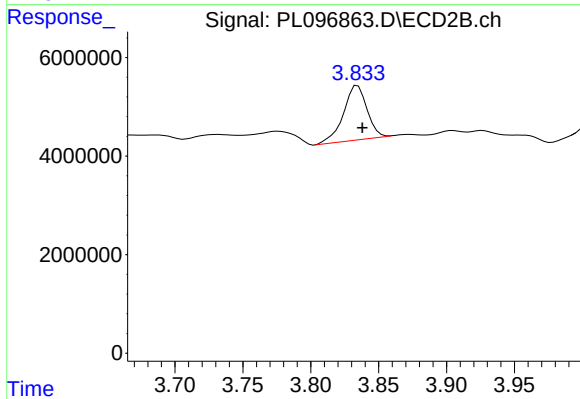
#17 4,4'-DDT

R.T.: 6.103 min
Delta R.T.: -0.006 min
Response: 30612679
Conc: 6.05 ng/ml



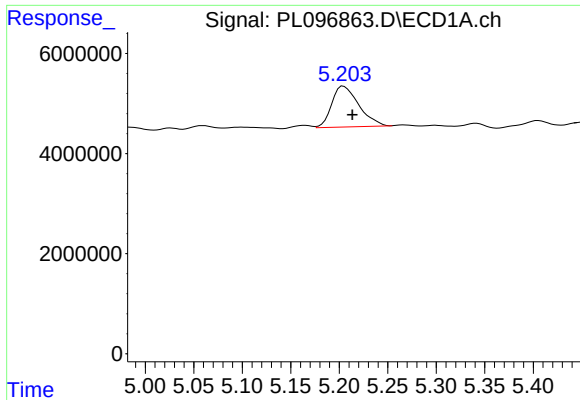
#23 Chlordane-1

R.T.: 4.683 min
Delta R.T.: -0.006 min
Response: 6590981
Conc: 38.74 ng/ml



#23 Chlordane-1

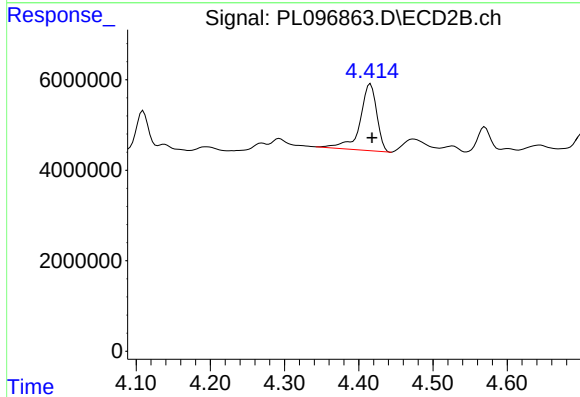
R.T.: 3.835 min
Delta R.T.: -0.003 min
Response: 13226303
Conc: 63.09 ng/ml



#24 Chlordane-2

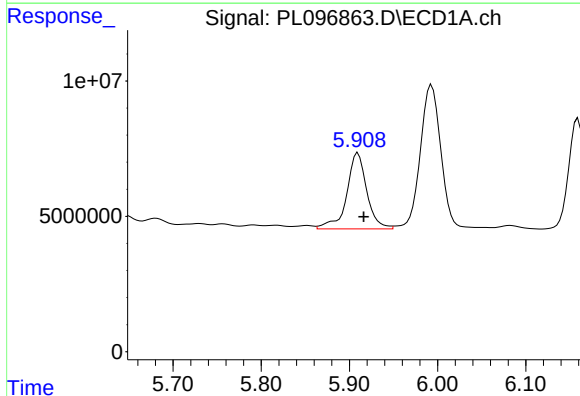
R.T.: 5.204 min
Delta R.T.: -0.009 min
Response: 15805343
Conc: 90.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425



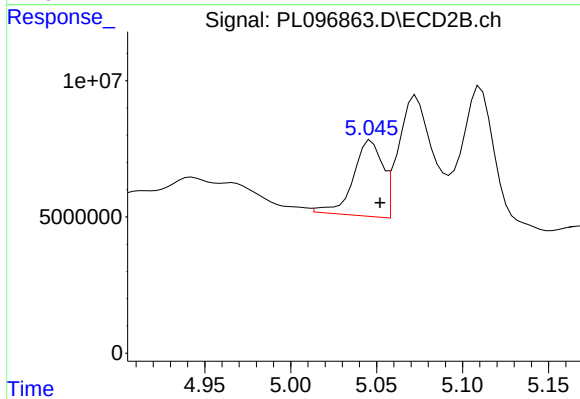
#24 Chlordane-2

R.T.: 4.416 min
Delta R.T.: -0.002 min
Response: 23204949
Conc: 95.65 ng/ml



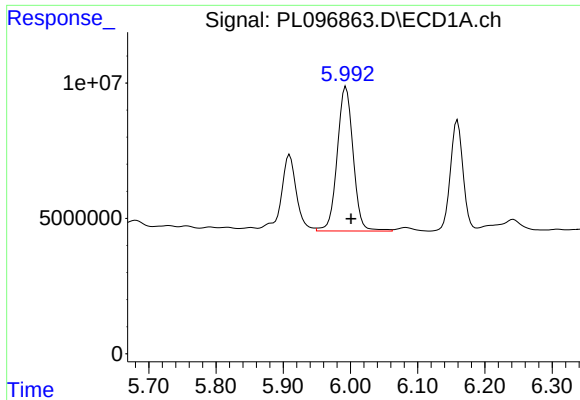
#25 Chlordane-3

R.T.: 5.910 min
Delta R.T.: -0.007 min
Response: 44681705
Conc: 66.90 ng/ml



#25 Chlordane-3

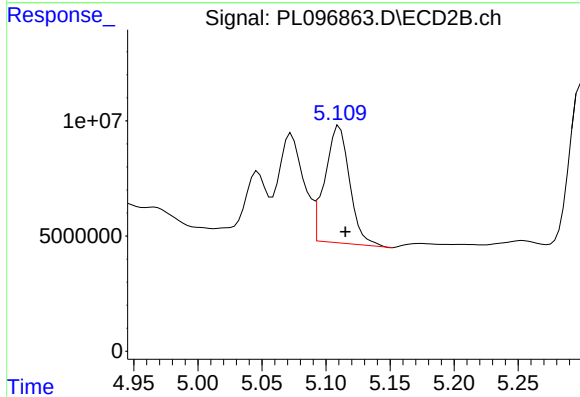
R.T.: 5.047 min
Delta R.T.: -0.005 min
Response: 33087238
Conc: 47.59 ng/ml



#26 Chlordane-4

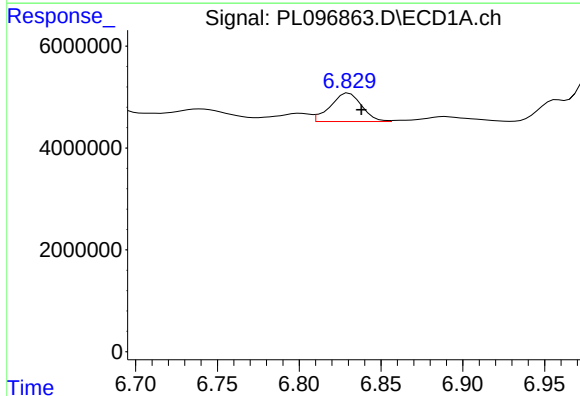
R.T.: 5.993 min
Delta R.T.: -0.008 min
Response: 87466233
Conc: 105.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425



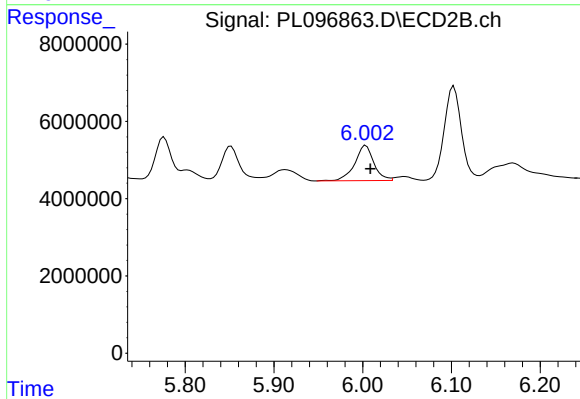
#26 Chlordane-4

R.T.: 5.110 min
Delta R.T.: -0.004 min
Response: 67998415
Conc: 109.26 ng/ml



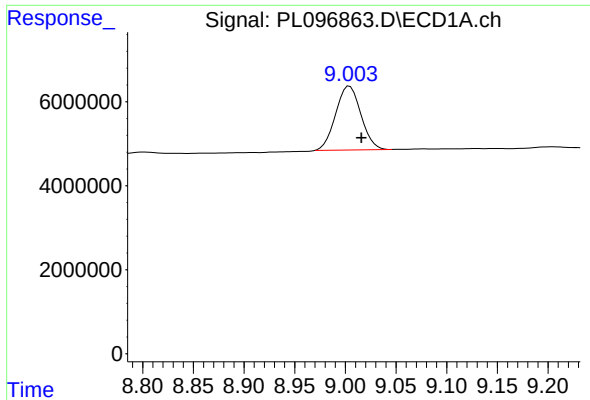
#27 Chlordane-5

R.T.: 6.830 min
Delta R.T.: -0.007 min
Response: 7451468
Conc: 56.39 ng/ml



#27 Chlordane-5

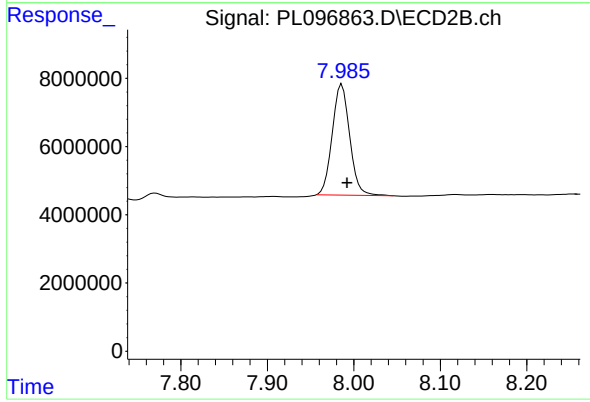
R.T.: 6.004 min
Delta R.T.: -0.005 min
Response: 13681425
Conc: 53.63 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.011 min
Response: 26370800
Conc: 11.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 45449962
Conc: 10.48 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
 Data File : PL096864.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 18:33
 Operator : AR\AJ
 Sample : Q2879-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-TS-GRILLO-TSCP07-081425

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:01:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.826	34922262	49706179	10.979	10.404
28)	SA Decachlor...	9.004	7.986	25356171	44514123	10.633	10.261
Target Compounds							
4)	MA Heptachlor	4.922f	0.000	15553829	0	3.743	N.D. #
8)	B Heptachlo...	5.641f	0.000	11659973	0	3.023	N.D. #
10)	B gamma-Chl...	5.910	5.047	47215616	32589999	12.408	5.542 #
11)	B alpha-Chl...	5.994	5.110	92622648	74384626	24.029	12.610 #
12)	B 4,4'-DDE	6.160	5.299	68098462	101.0E6	21.206	18.320
13)	MA Dieldrin	0.000	5.430	0	11375843	N.D.	1.926 #
14)	MA Endrin	0.000	5.715	0	4906862	N.D.	0.908 #
15)	B Endosulfa...	0.000	6.003	0	13990752	N.D.	2.724 #
16)	A 4,4'-DDD	6.669	5.851	18478872	16046455	7.309	3.410 #
17)	MA 4,4'-DDT	6.982	6.103	28971338	47550547	10.103	9.401
18)	B Endrin al...	0.000	6.168	0	13383093	N.D.	3.682 #
23)	Chlordane-1	4.683	3.835	7481048	14265857	43.977	68.050 #
24)	Chlordane-2	5.204	4.416	16644291	23517252	95.107	96.942
25)	Chlordane-3	5.910	5.047	47215616	32589999	70.689	46.872 #
26)	Chlordane-4	5.994	5.110	92622648	74384626	111.904	119.526
27)	Chlordane-5	6.830	6.003	6121169	13990752	46.322	54.842

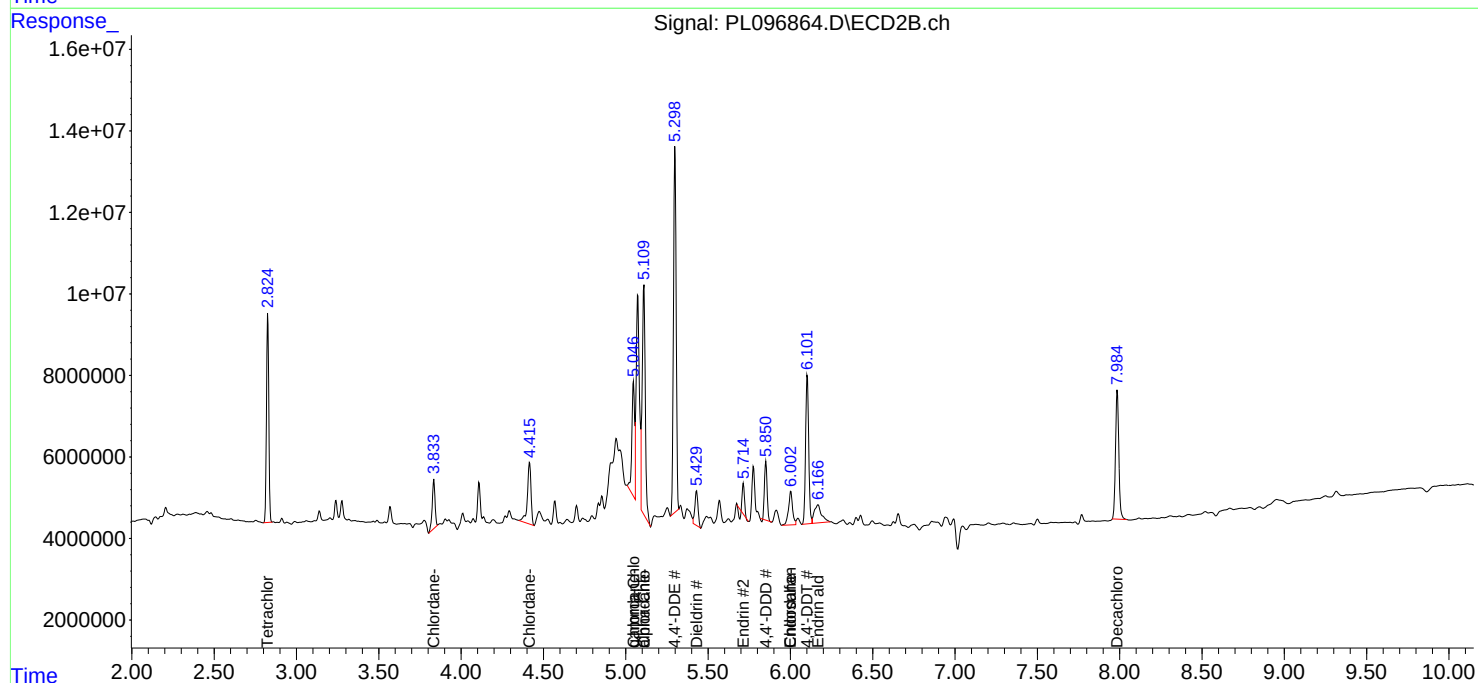
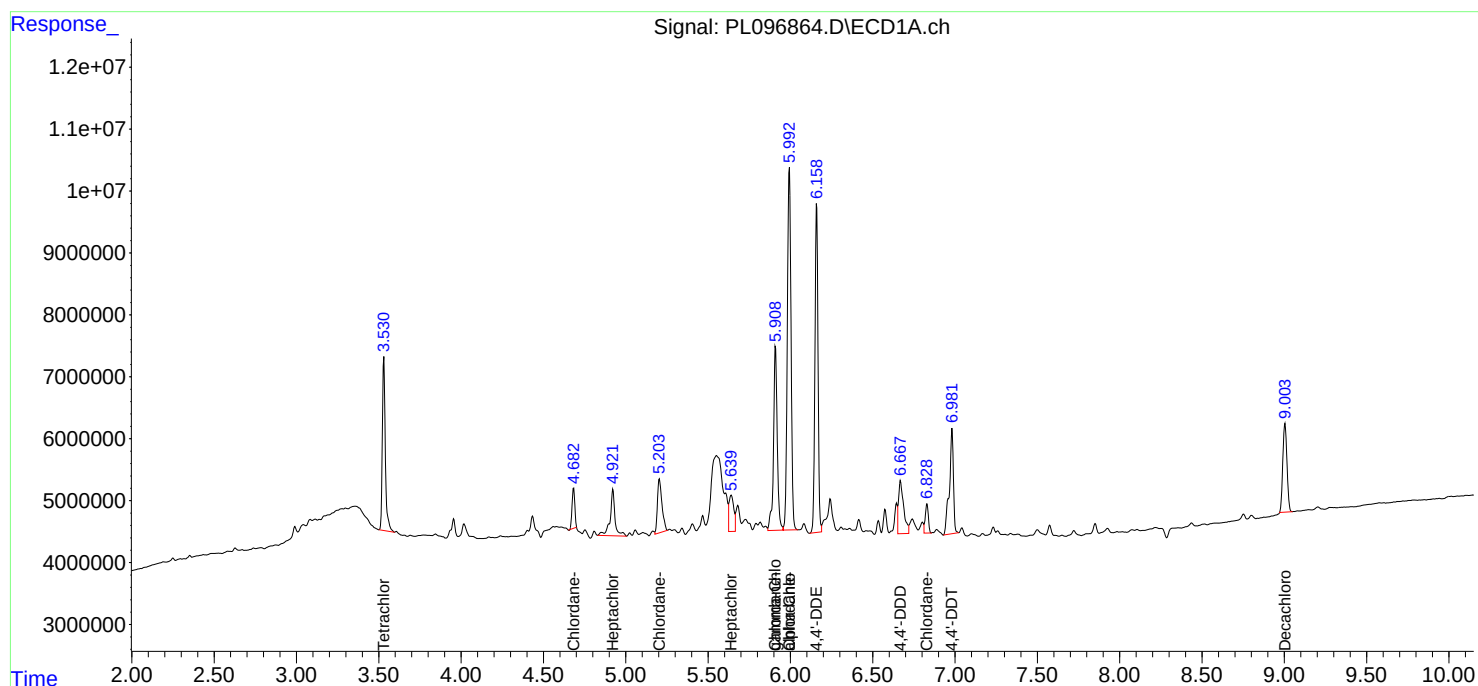
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

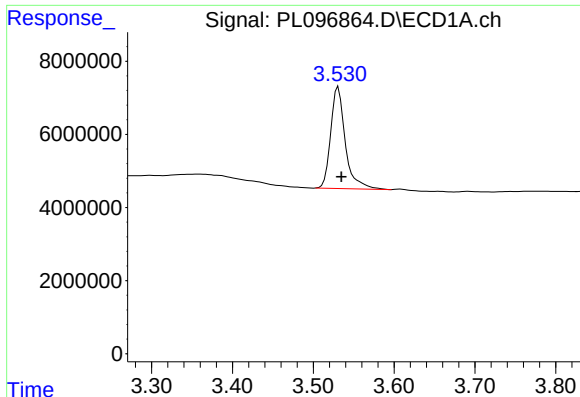
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096864.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 18:33
Operator : AR\AJ
Sample : Q2879-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 06:01:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

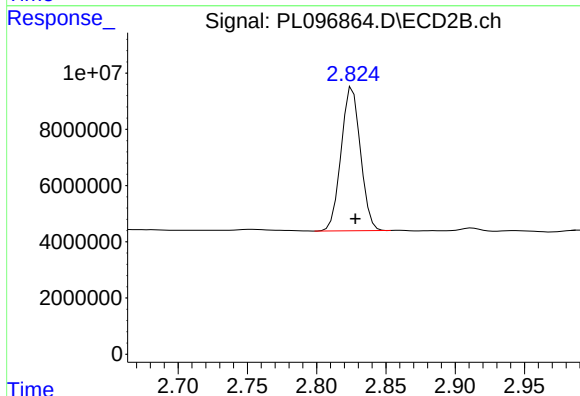




#1 Tetrachloro-m-xylene

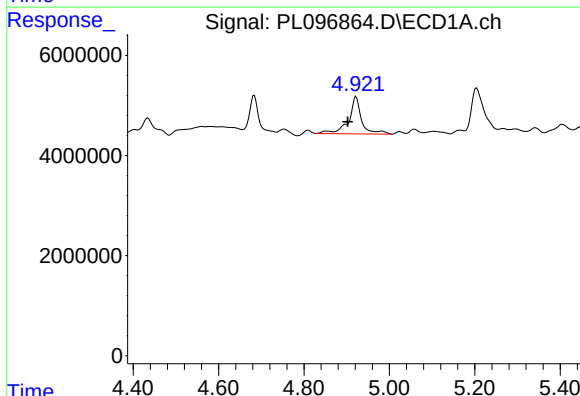
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 34922262
Conc: 10.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425



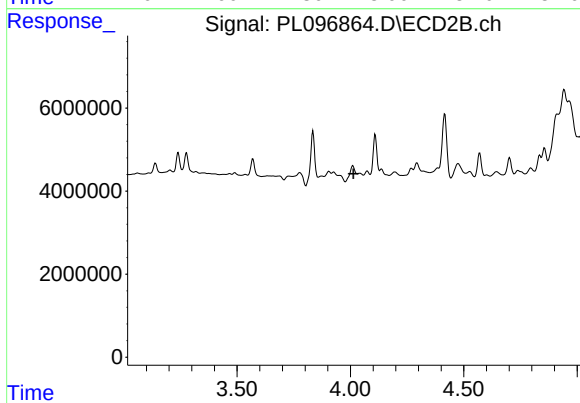
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 49706179
Conc: 10.40 ng/ml



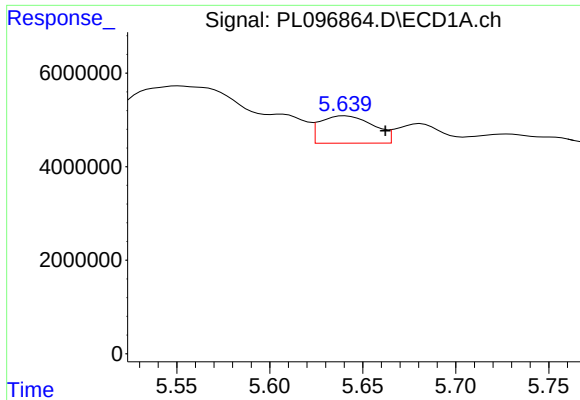
#4 Heptachlor

R.T.: 4.922 min
Delta R.T.: 0.019 min
Response: 15553829
Conc: 3.74 ng/ml



#4 Heptachlor

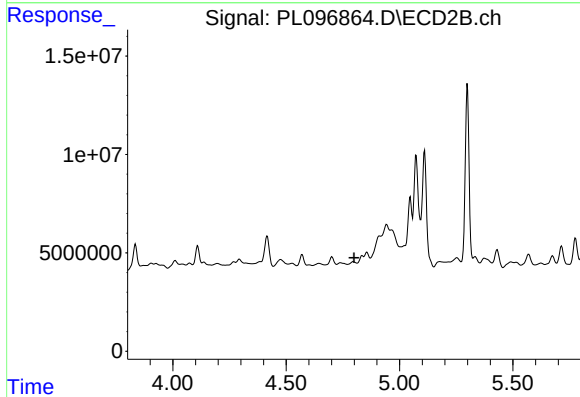
R.T.: 0.000 min
Exp R.T.: 4.014 min
Response: 0
Conc: N.D.



#8 Heptachlor epoxide

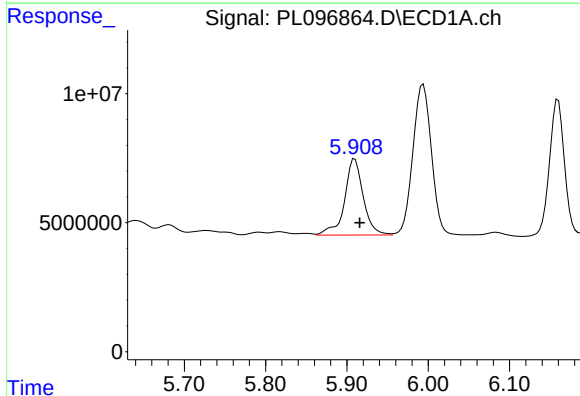
R.T.: 5.641 min
Delta R.T.: -0.022 min
Response: 11659973
Conc: 3.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425



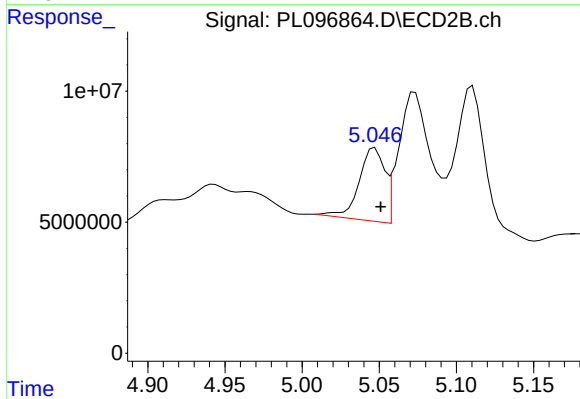
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 4.799 min
Response: 0
Conc: N.D.



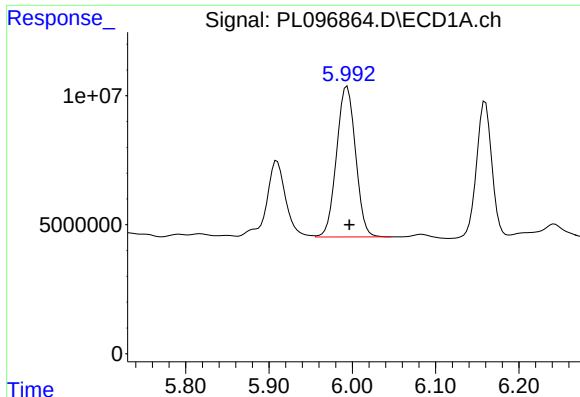
#10 gamma-Chlordane

R.T.: 5.910 min
Delta R.T.: -0.006 min
Response: 47215616
Conc: 12.41 ng/ml



#10 gamma-Chlordane

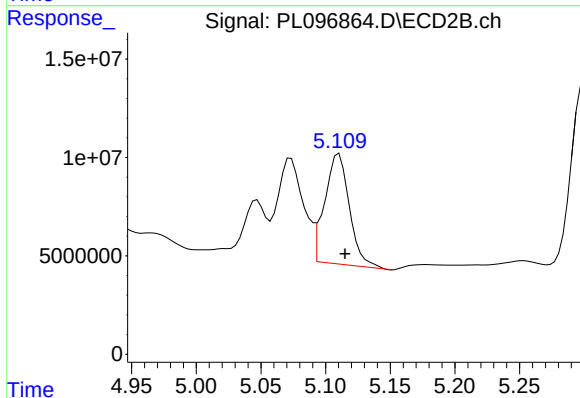
R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 32589999
Conc: 5.54 ng/ml



#11 alpha-Chlordane

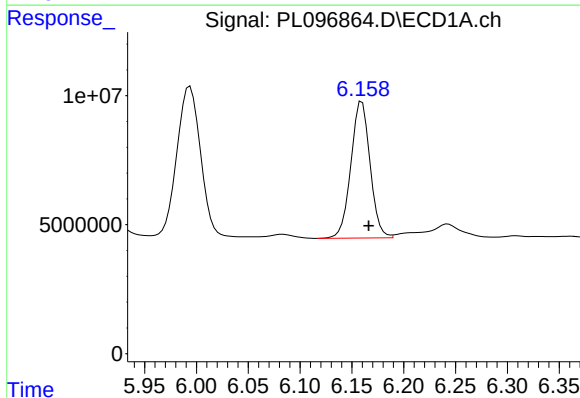
R.T.: 5.994 min
Delta R.T.: -0.003 min
Response: 92622648
Conc: 24.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425



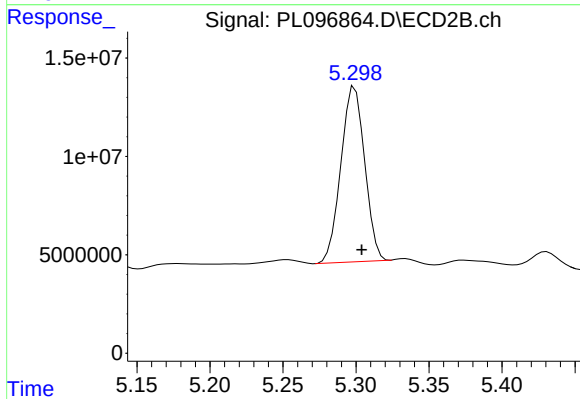
#11 alpha-Chlordane

R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 74384626
Conc: 12.61 ng/ml



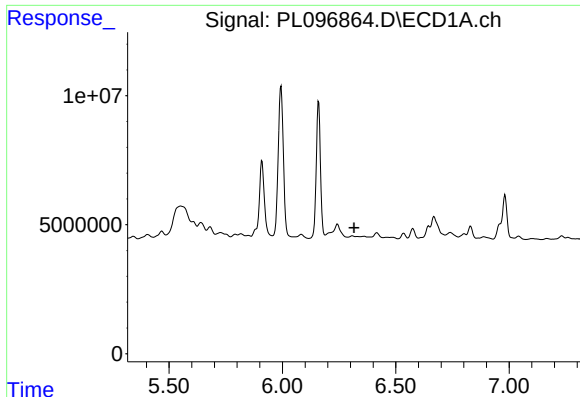
#12 4,4'-DDE

R.T.: 6.160 min
Delta R.T.: -0.006 min
Response: 68098462
Conc: 21.21 ng/ml



#12 4,4'-DDE

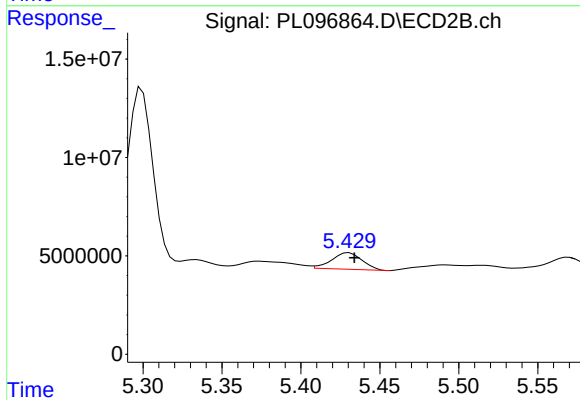
R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 101023430
Conc: 18.32 ng/ml



#13 Dieldrin

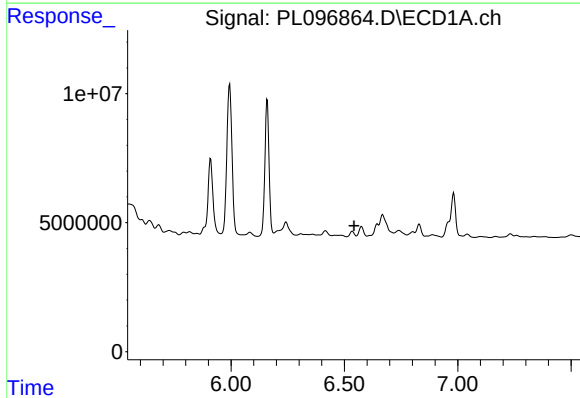
R.T.: 0.000 min
Exp R.T.: 6.316 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425



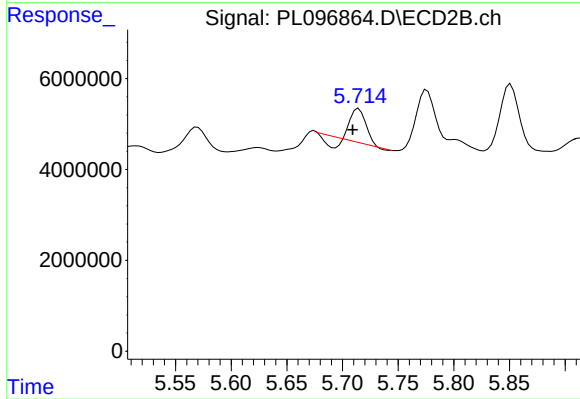
#13 Dieldrin

R.T.: 5.430 min
Delta R.T.: -0.004 min
Response: 11375843
Conc: 1.93 ng/ml



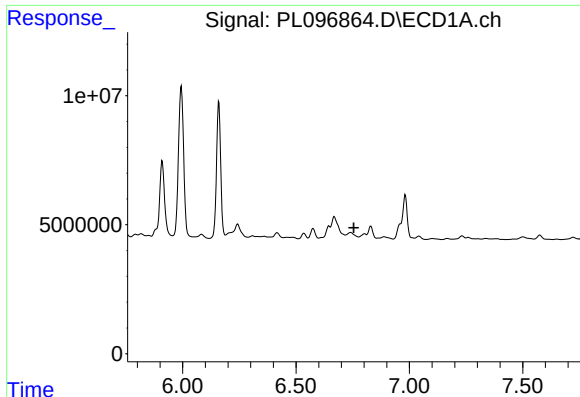
#14 Endrin

R.T.: 0.000 min
Exp R.T.: 6.542 min
Response: 0
Conc: N.D.



#14 Endrin

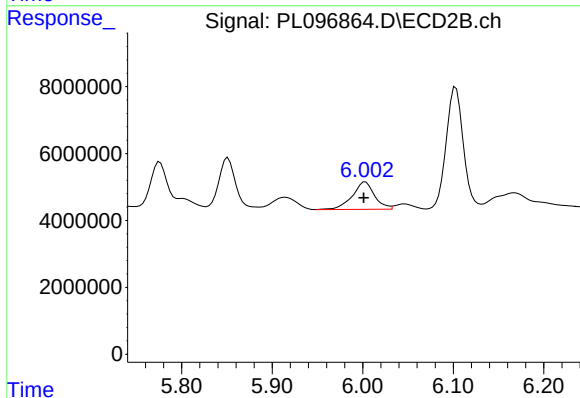
R.T.: 5.715 min
Delta R.T.: 0.006 min
Response: 4906862
Conc: 0.91 ng/ml



#15 Endosulfan II

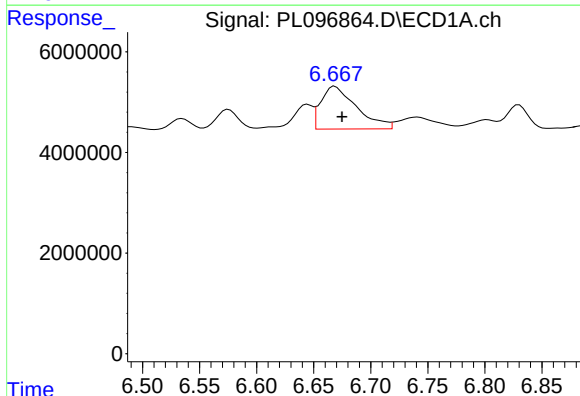
R.T.: 0.000 min
Exp R.T.: 6.755 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425



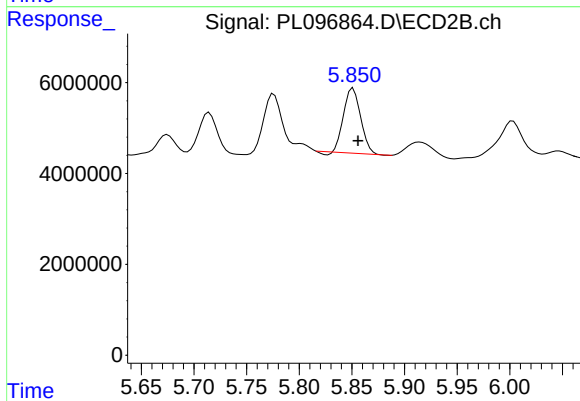
#15 Endosulfan II

R.T.: 6.003 min
Delta R.T.: 0.002 min
Response: 13990752
Conc: 2.72 ng/ml



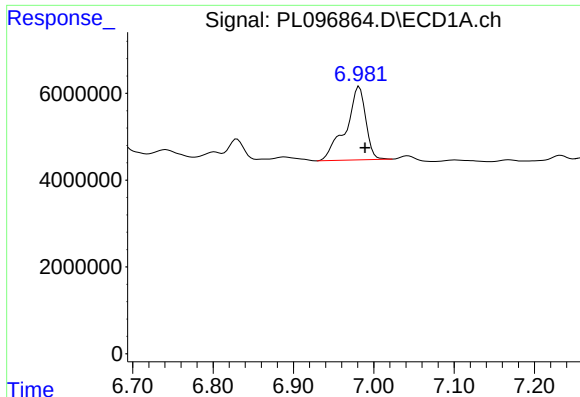
#16 4,4'-DDD

R.T.: 6.669 min
Delta R.T.: -0.006 min
Response: 18478872
Conc: 7.31 ng/ml



#16 4,4'-DDD

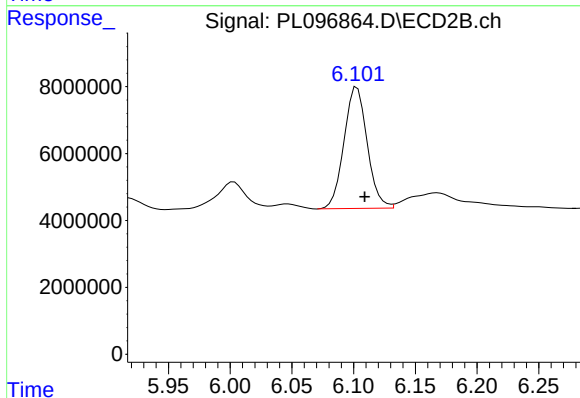
R.T.: 5.851 min
Delta R.T.: -0.005 min
Response: 16046455
Conc: 3.41 ng/ml



#17 4,4'-DDT

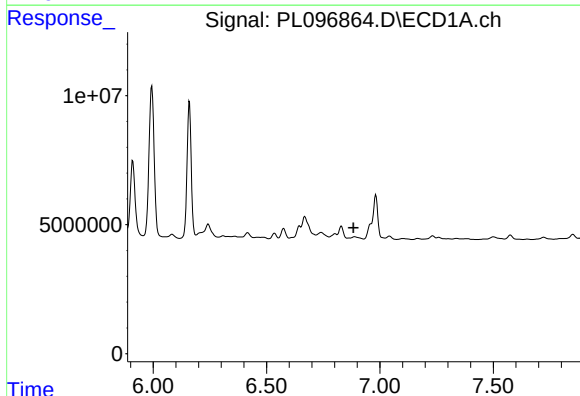
R.T.: 6.982 min
Delta R.T.: -0.007 min
Response: 28971338
Conc: 10.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425



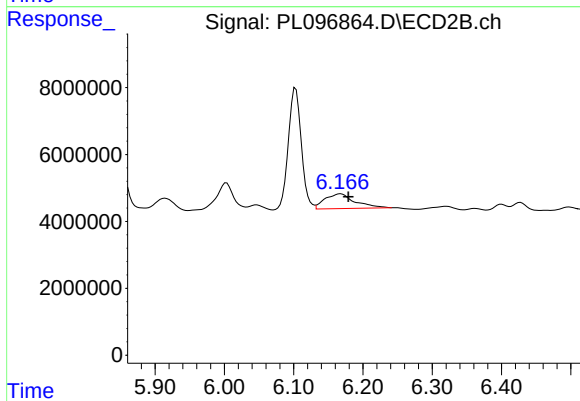
#17 4,4'-DDT

R.T.: 6.103 min
Delta R.T.: -0.006 min
Response: 47550547
Conc: 9.40 ng/ml



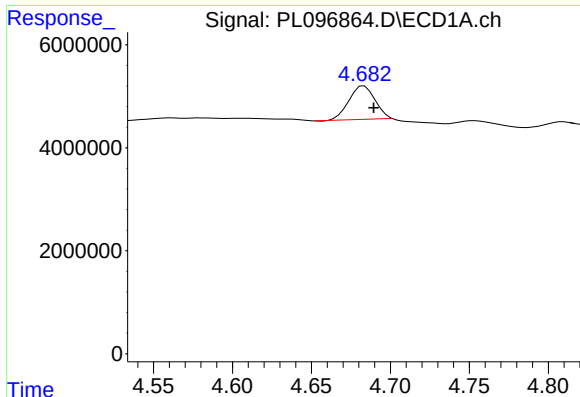
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.884 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

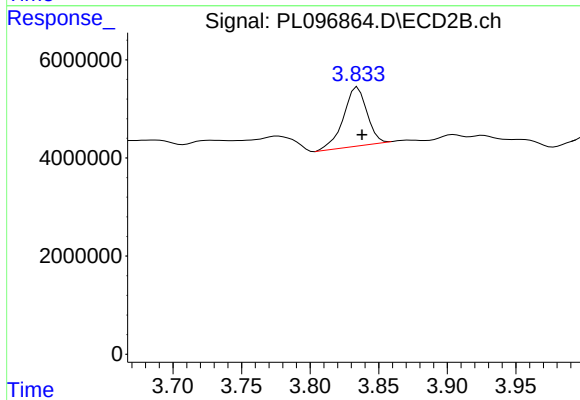
R.T.: 6.168 min
Delta R.T.: -0.011 min
Response: 13383093
Conc: 3.68 ng/ml



#23 Chlordane-1

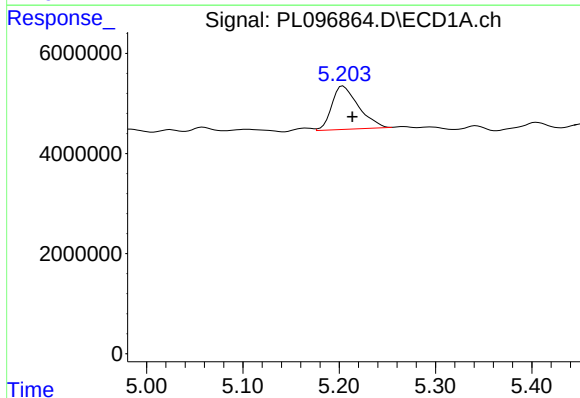
R.T.: 4.683 min
Delta R.T.: -0.006 min
Response: 7481048
Conc: 43.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425



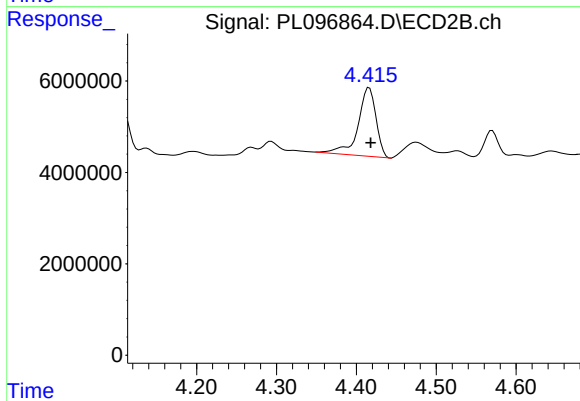
#23 Chlordane-1

R.T.: 3.835 min
Delta R.T.: -0.003 min
Response: 14265857
Conc: 68.05 ng/ml



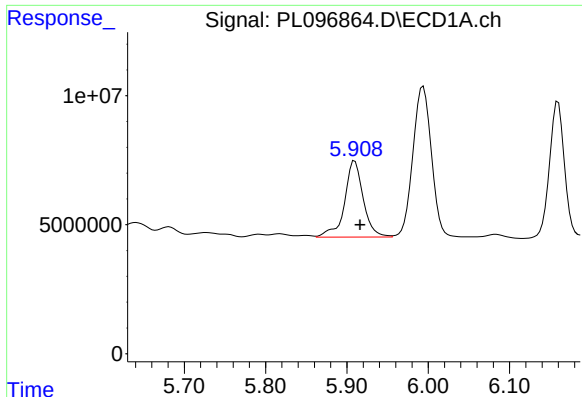
#24 Chlordane-2

R.T.: 5.204 min
Delta R.T.: -0.009 min
Response: 16644291
Conc: 95.11 ng/ml



#24 Chlordane-2

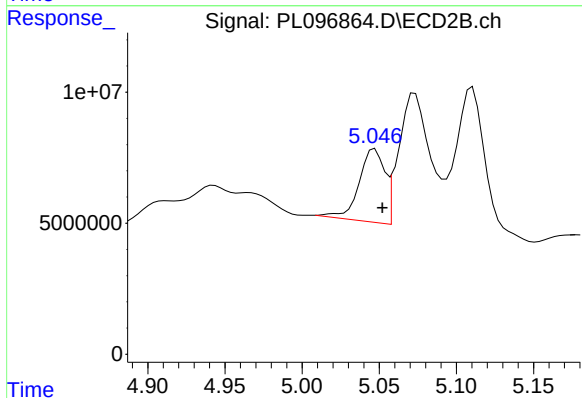
R.T.: 4.416 min
Delta R.T.: -0.002 min
Response: 23517252
Conc: 96.94 ng/ml



#25 Chlordane-3

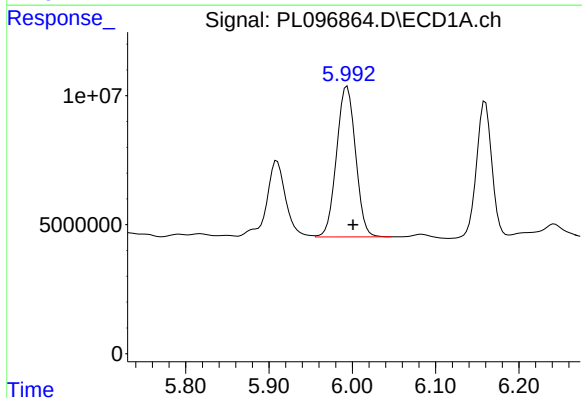
R.T.: 5.910 min
Delta R.T.: -0.007 min
Response: 47215616
Conc: 70.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425



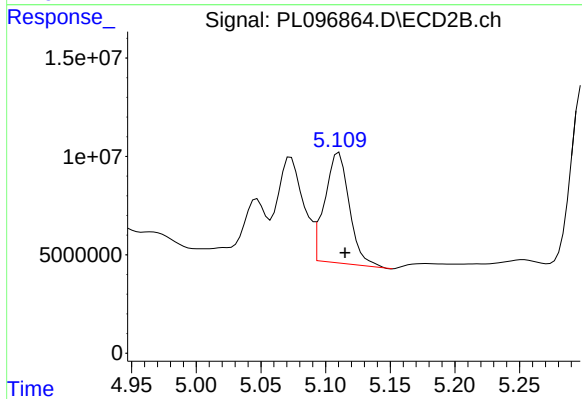
#25 Chlordane-3

R.T.: 5.047 min
Delta R.T.: -0.005 min
Response: 32589999
Conc: 46.87 ng/ml



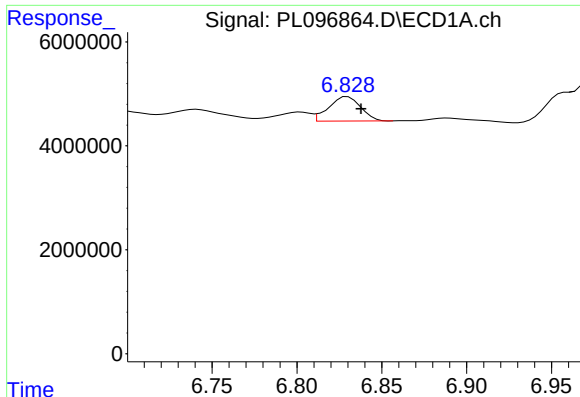
#26 Chlordane-4

R.T.: 5.994 min
Delta R.T.: -0.007 min
Response: 92622648
Conc: 111.90 ng/ml



#26 Chlordane-4

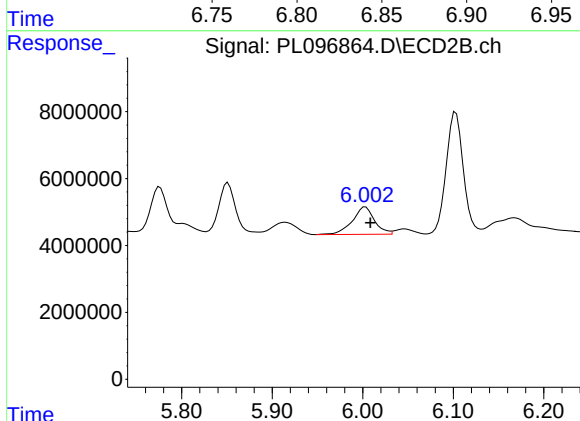
R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 74384626
Conc: 119.53 ng/ml



#27 Chlordane-5

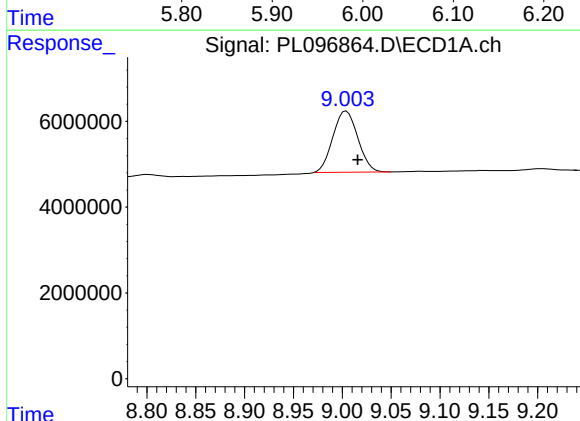
R.T.: 6.830 min
Delta R.T.: -0.008 min
Response: 6121169
Conc: 46.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425



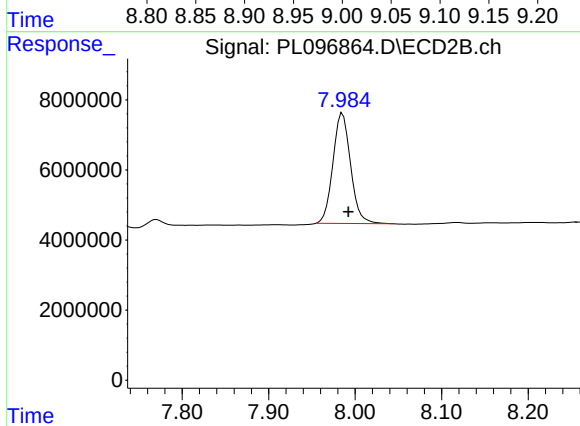
#27 Chlordane-5

R.T.: 6.003 min
Delta R.T.: -0.006 min
Response: 13990752
Conc: 54.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.012 min
Response: 25356171
Conc: 10.63 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 44514123
Conc: 10.26 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
 Data File : PL096865.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 18:46
 Operator : AR\AJ
 Sample : Q2879-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-TS-GRILLO-TSCP08-081425

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:01:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.826	43489944	60007514	13.673	12.560
28)	SA Decachlor...	9.004	7.986	35224897	60207458	14.771	13.878
Target Compounds							
4)	MA Heptachlor	4.922f	0.000	19313628	0	4.648	N.D. #
8)	B Heptachlo...	5.643f	0.000	18007276	0	4.669	N.D. #
10)	B gamma-Chl...	5.910	5.047	79685656	63674148	20.941	10.829 #
11)	B alpha-Chl...	5.994	5.111	138.3E6	112.3E6	35.872	19.035 #
12)	B 4,4'-DDE	6.160	5.300	79881387	128.4E6	24.875	23.276
13)	MA Dieldrin	0.000	5.430	0	23277865	N.D.	3.941 #
14)	MA Endrin	6.535	5.714	4344105	5853697	1.435	1.083
15)	B Endosulfa...	0.000	6.003	0	23081888	N.D.	4.494 #
16)	A 4,4'-DDD	6.671	5.852	23460228	14307492	9.279	3.041 #
17)	MA 4,4'-DDT	6.982	6.102	40222935	65010376	14.026	12.852
18)	B Endrin al...	0.000	6.151f	0	18209811	N.D.	5.010 #
23)	Chlordane-1	4.683	3.835	8048362	24886408	47.312	118.712 #
24)	Chlordane-2	5.204	4.417	22655960	27218948	129.458	112.201
25)	Chlordane-3	5.910	5.047	79685656	63674148	119.301	91.578
26)	Chlordane-4	5.994	5.111	138.3E6	112.3E6	167.058	180.428
27)	Chlordane-5	6.830	6.003	9060211	23081888	68.563	90.477 #

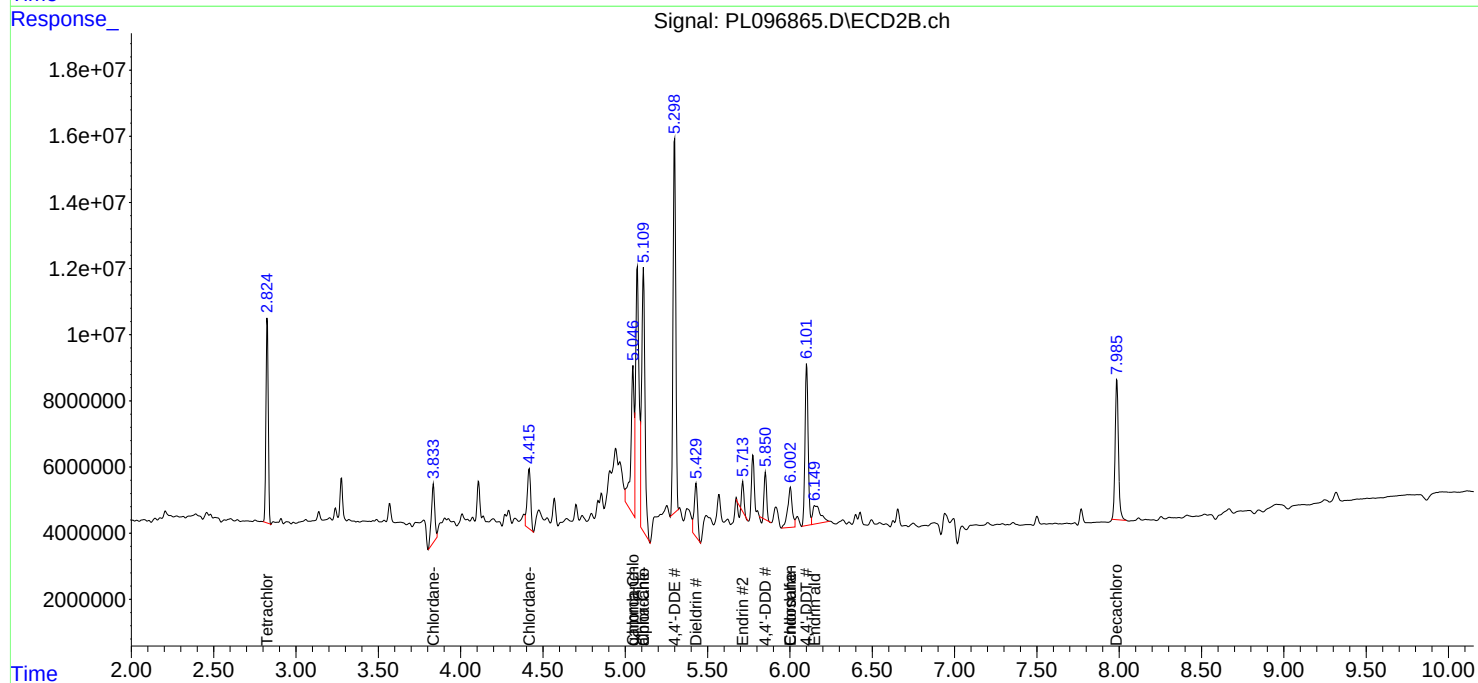
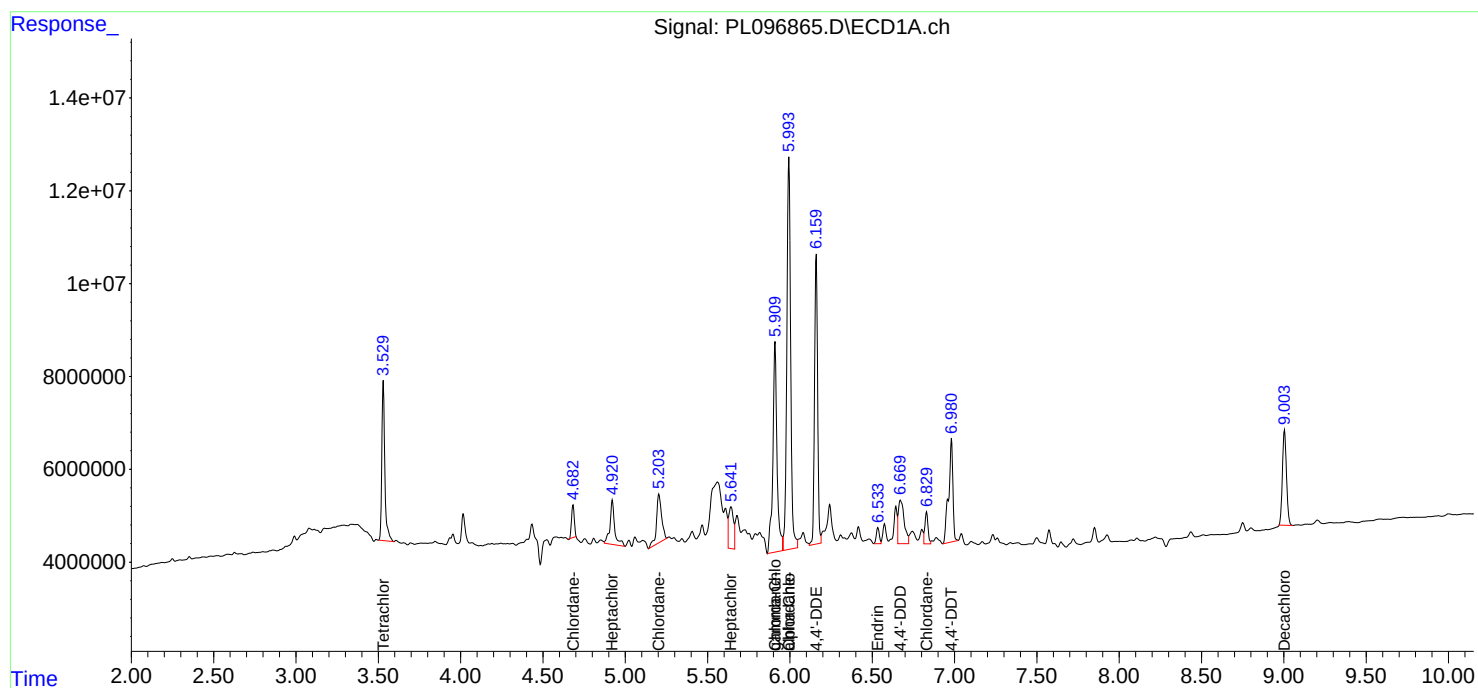
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

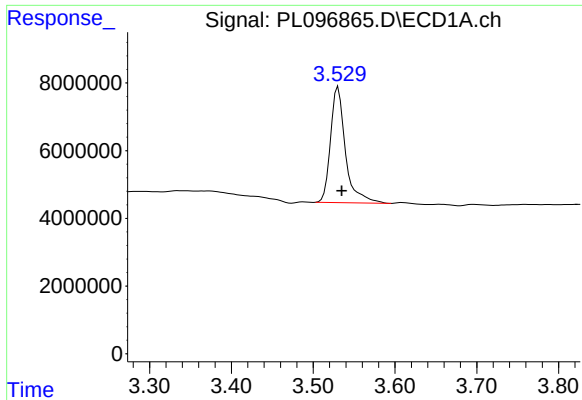
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096865.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 18:46
Operator : AR\AJ
Sample : Q2879-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 06:01:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

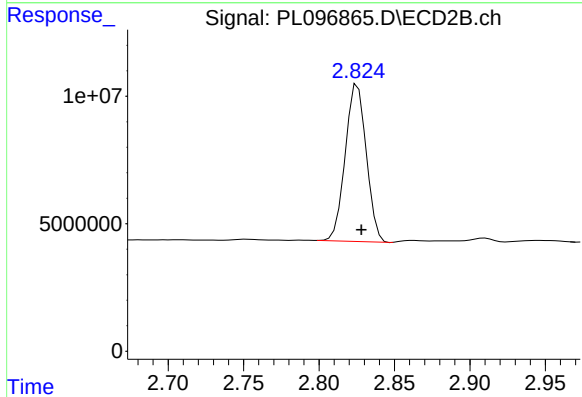




#1 Tetrachloro-m-xylene

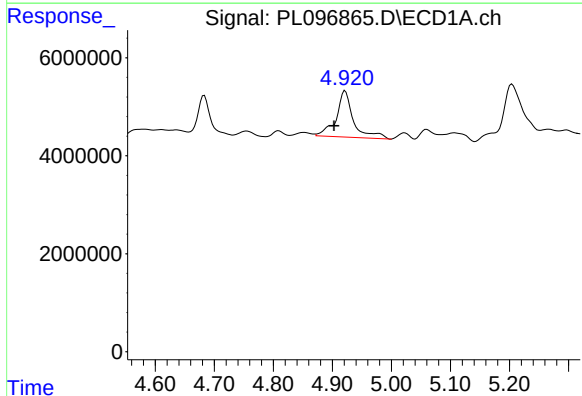
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 43489944
Conc: 13.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425



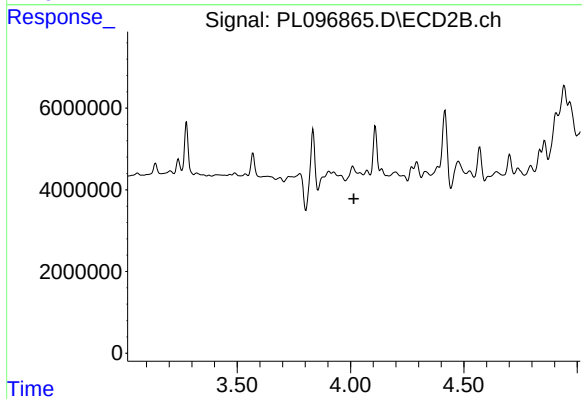
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 60007514
Conc: 12.56 ng/ml



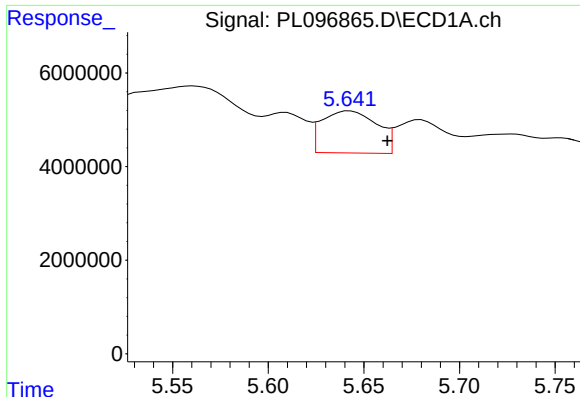
#4 Heptachlor

R.T.: 4.922 min
Delta R.T.: 0.019 min
Response: 19313628
Conc: 4.65 ng/ml



#4 Heptachlor

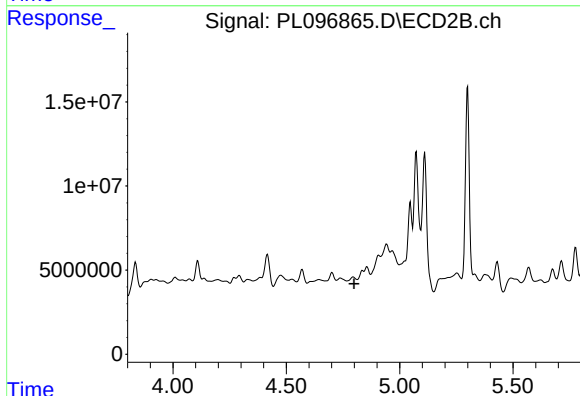
R.T.: 0.000 min
Exp R.T.: 4.014 min
Response: 0
Conc: N.D.



#8 Heptachlor epoxide

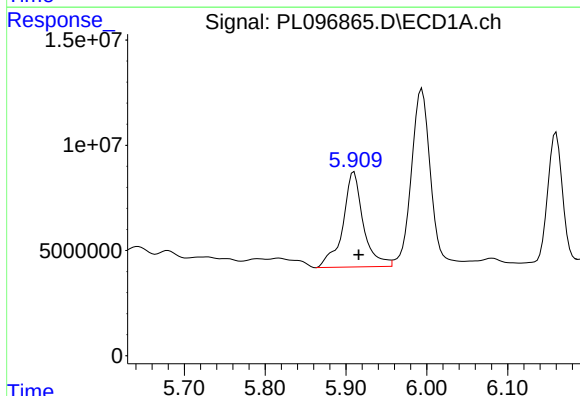
R.T.: 5.643 min
Delta R.T.: -0.020 min
Response: 18007276
Conc: 4.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425



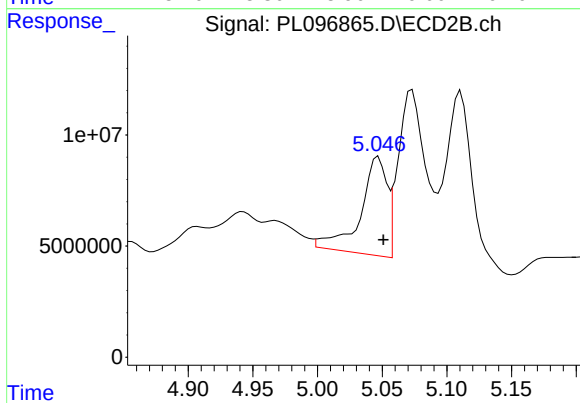
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 4.799 min
Response: 0
Conc: N.D.



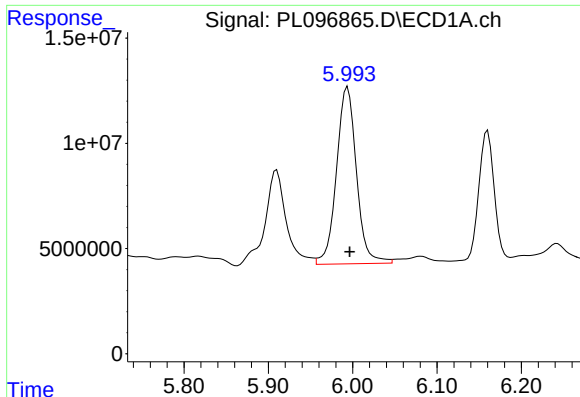
#10 gamma-Chlordane

R.T.: 5.910 min
Delta R.T.: -0.006 min
Response: 79685656
Conc: 20.94 ng/ml



#10 gamma-Chlordane

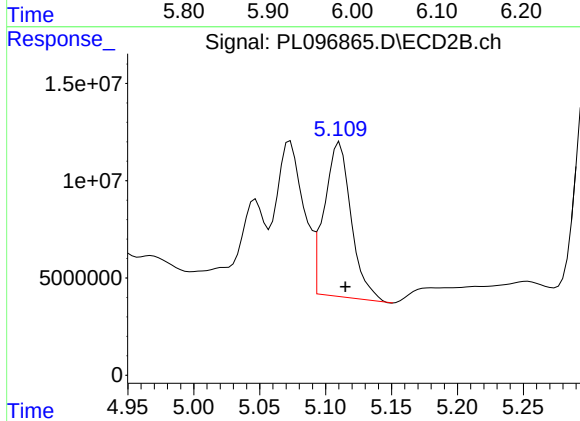
R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 63674148
Conc: 10.83 ng/ml



#11 alpha-Chlordane

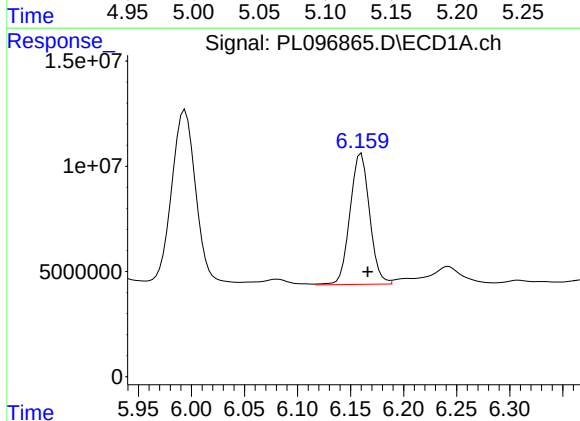
R.T.: 5.994 min
Delta R.T.: -0.003 min
Response: 138273418
Conc: 35.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425



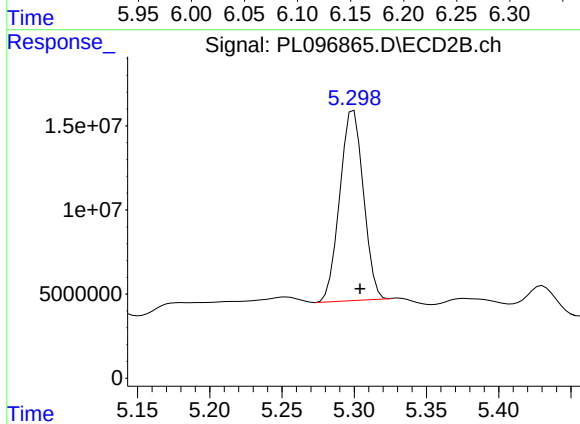
#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 112286319
Conc: 19.04 ng/ml



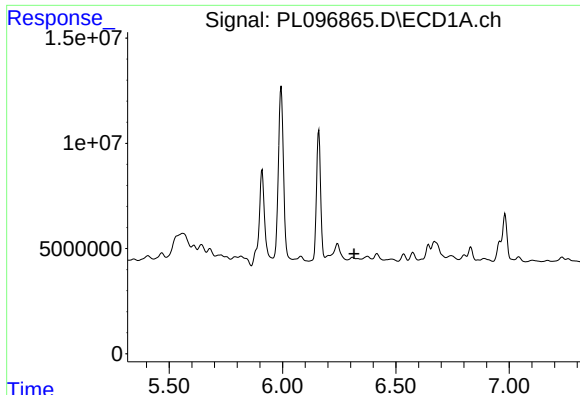
#12 4,4'-DDE

R.T.: 6.160 min
Delta R.T.: -0.006 min
Response: 79881387
Conc: 24.88 ng/ml



#12 4,4'-DDE

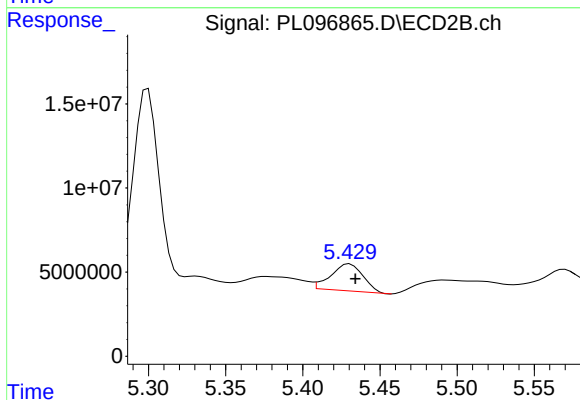
R.T.: 5.300 min
Delta R.T.: -0.004 min
Response: 128355178
Conc: 23.28 ng/ml



#13 Dieldrin

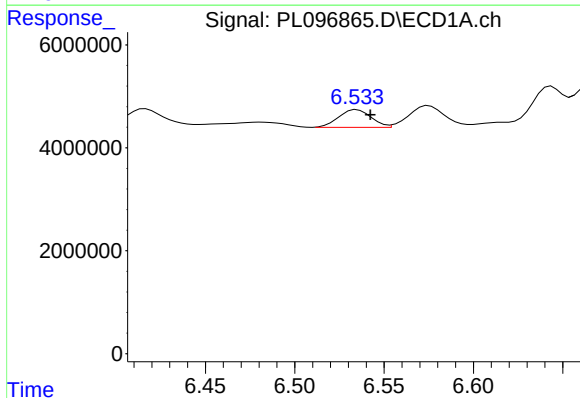
R.T.: 0.000 min
Exp R.T.: 6.316 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425



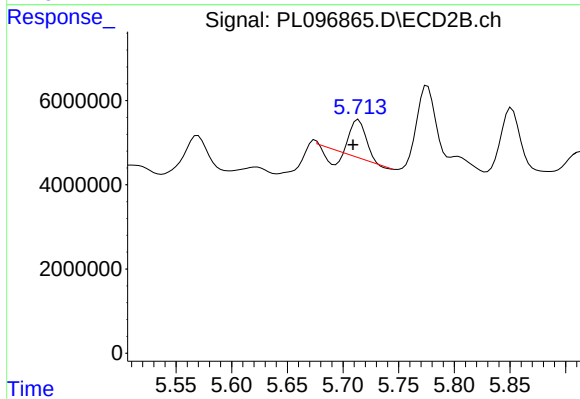
#13 Dieldrin

R.T.: 5.430 min
Delta R.T.: -0.004 min
Response: 23277865
Conc: 3.94 ng/ml



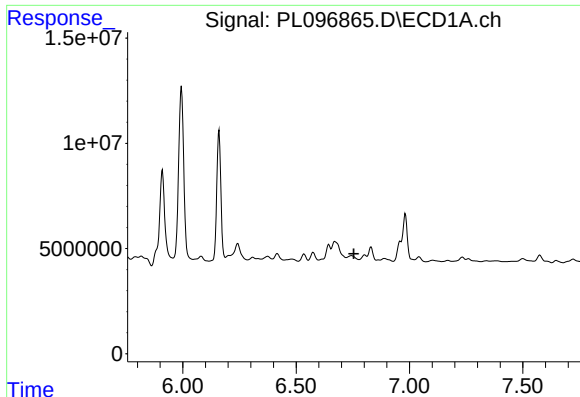
#14 Endrin

R.T.: 6.535 min
Delta R.T.: -0.008 min
Response: 4344105
Conc: 1.44 ng/ml



#14 Endrin

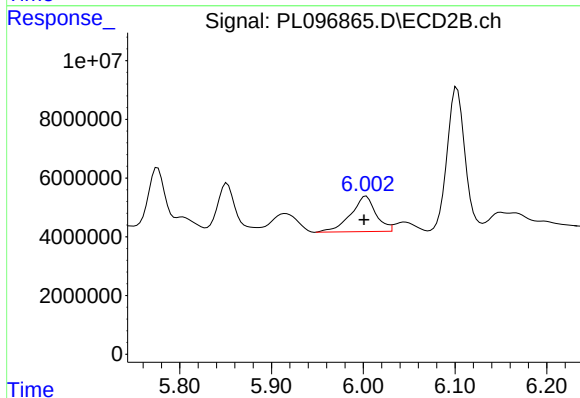
R.T.: 5.714 min
Delta R.T.: 0.005 min
Response: 5853697
Conc: 1.08 ng/ml



#15 Endosulfan II

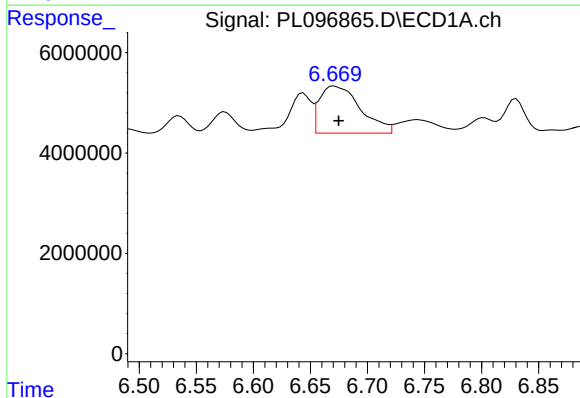
R.T.: 0.000 min
Exp R.T.: 6.755 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425



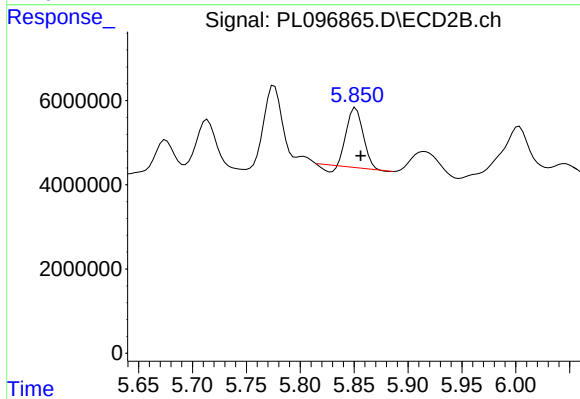
#15 Endosulfan II

R.T.: 6.003 min
Delta R.T.: 0.002 min
Response: 23081888
Conc: 4.49 ng/ml



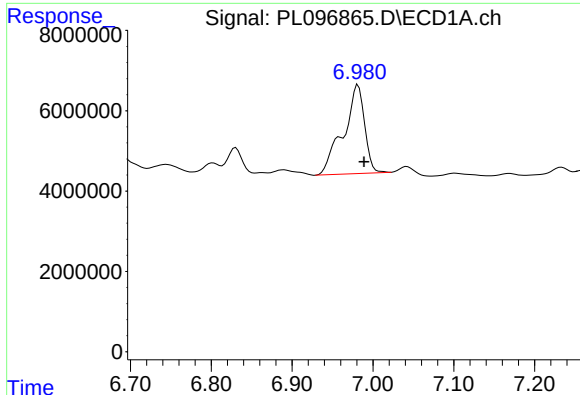
#16 4,4'-DDD

R.T.: 6.671 min
Delta R.T.: -0.004 min
Response: 23460228
Conc: 9.28 ng/ml



#16 4,4'-DDD

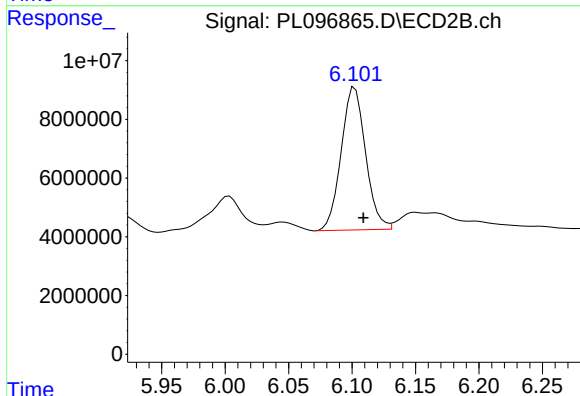
R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 14307492
Conc: 3.04 ng/ml



#17 4,4'-DDT

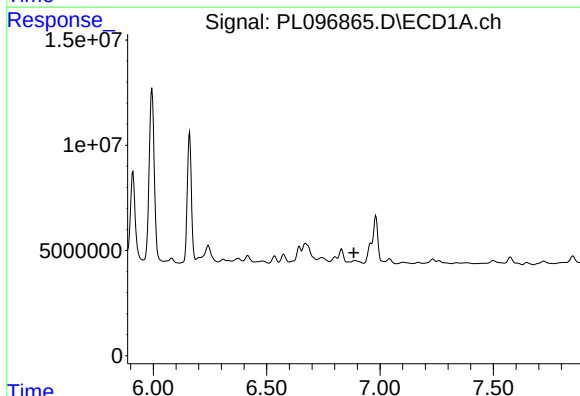
R.T.: 6.982 min
Delta R.T.: -0.007 min
Response: 40222935
Conc: 14.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425



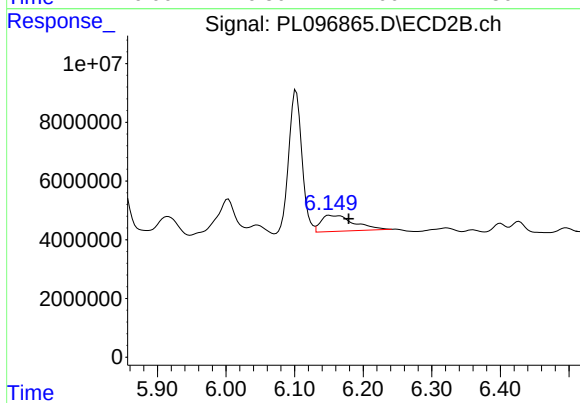
#17 4,4'-DDT

R.T.: 6.102 min
Delta R.T.: -0.007 min
Response: 65010376
Conc: 12.85 ng/ml



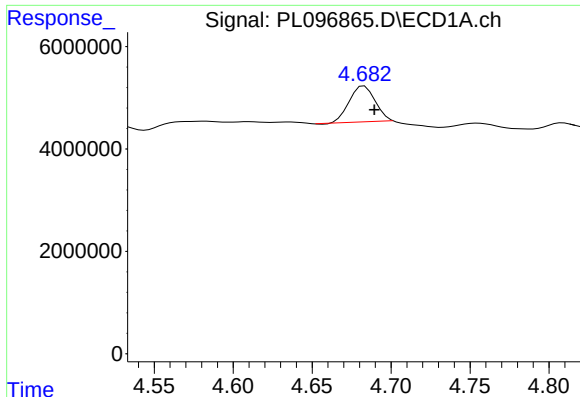
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.884 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

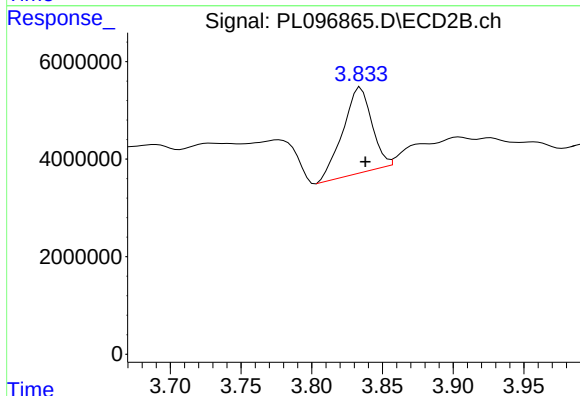
R.T.: 6.151 min
Delta R.T.: -0.028 min
Response: 18209811
Conc: 5.01 ng/ml



#23 Chlordane-1

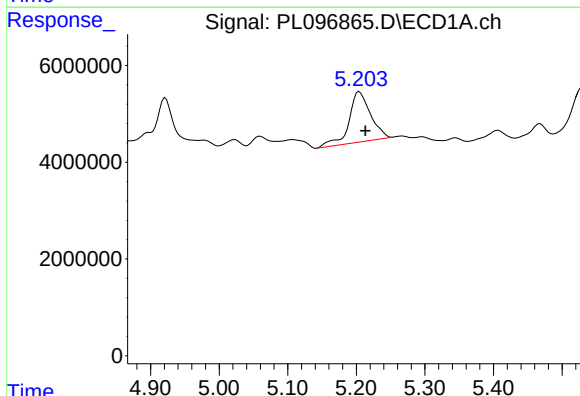
R.T.: 4.683 min
Delta R.T.: -0.007 min
Response: 8048362
Conc: 47.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425



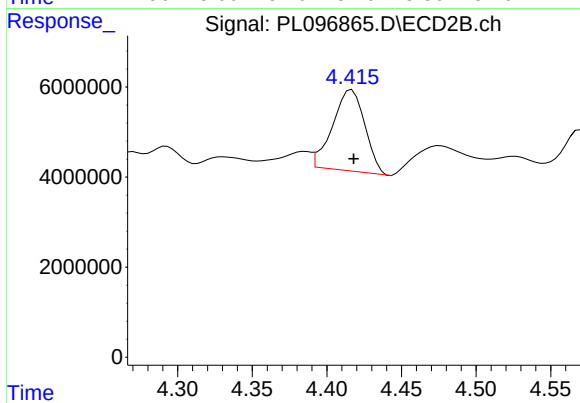
#23 Chlordane-1

R.T.: 3.835 min
Delta R.T.: -0.003 min
Response: 24886408
Conc: 118.71 ng/ml



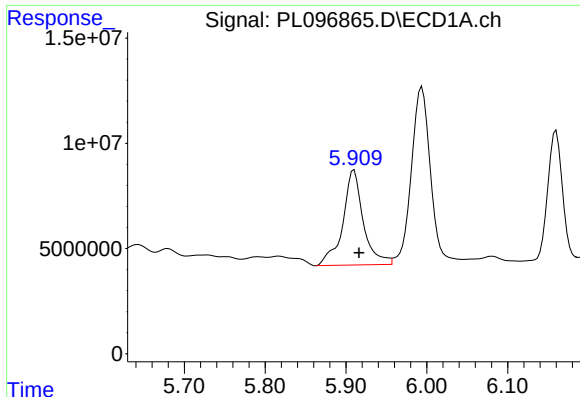
#24 Chlordane-2

R.T.: 5.204 min
Delta R.T.: -0.009 min
Response: 22655960
Conc: 129.46 ng/ml



#24 Chlordane-2

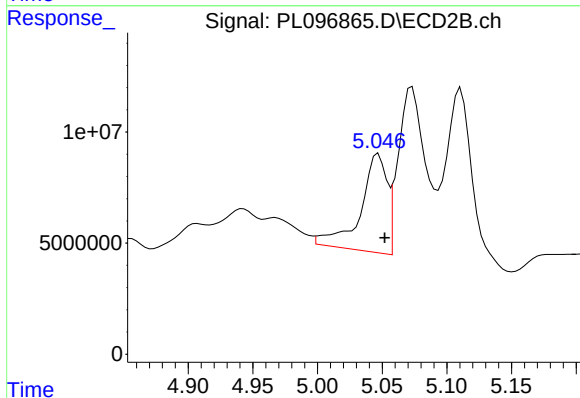
R.T.: 4.417 min
Delta R.T.: -0.001 min
Response: 27218948
Conc: 112.20 ng/ml



#25 Chlordane-3

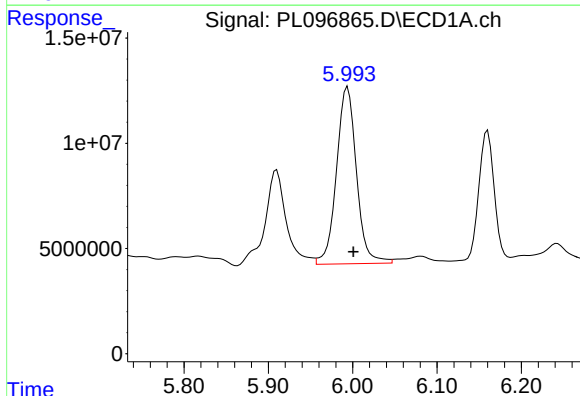
R.T.: 5.910 min
Delta R.T.: -0.006 min
Response: 79685656
Conc: 119.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425



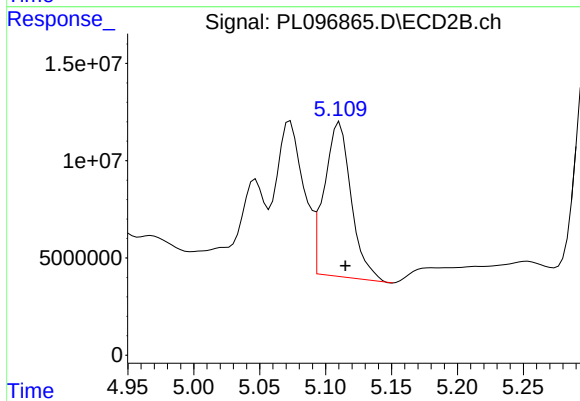
#25 Chlordane-3

R.T.: 5.047 min
Delta R.T.: -0.005 min
Response: 63674148
Conc: 91.58 ng/ml



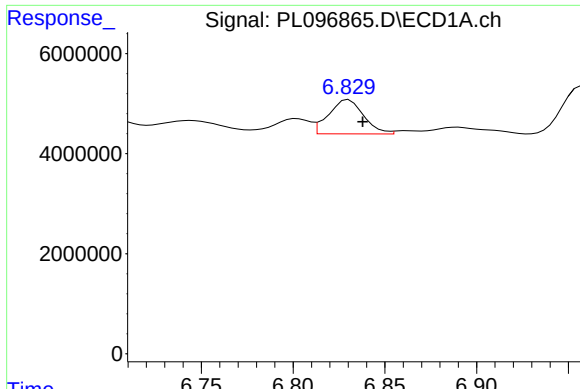
#26 Chlordane-4

R.T.: 5.994 min
Delta R.T.: -0.007 min
Response: 138273418
Conc: 167.06 ng/ml



#26 Chlordane-4

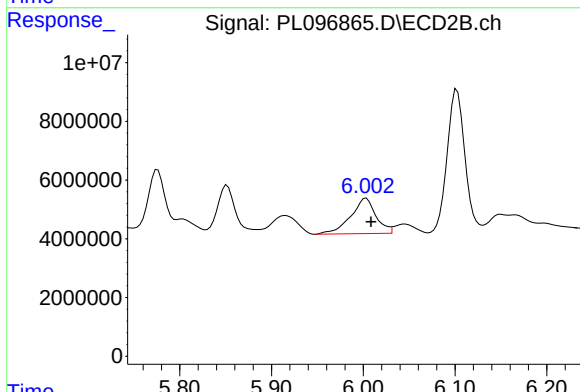
R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 112286319
Conc: 180.43 ng/ml



#27 Chlordane-5

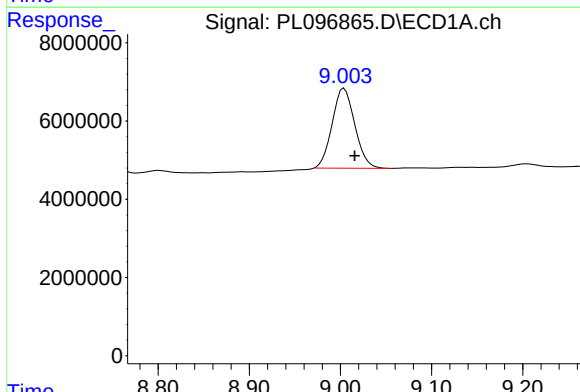
R.T.: 6.830 min
Delta R.T.: -0.008 min
Response: 9060211
Conc: 68.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425



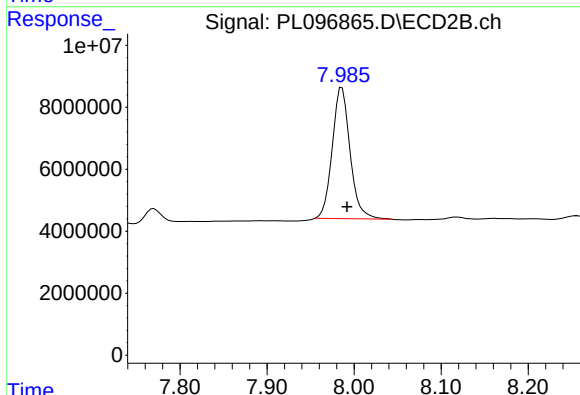
#27 Chlordane-5

R.T.: 6.003 min
Delta R.T.: -0.005 min
Response: 23081888
Conc: 90.48 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.012 min
Response: 35224897
Conc: 14.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 60207458
Conc: 13.88 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
 Data File : PL096866.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 19:00
 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: Aug 19 06:01:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.826	67669168	98635574	21.274	20.645
28)	SA Decachlor...	9.004	7.986	53104078	90109887	22.269	20.771
Target Compounds							
14)	MA Endrin	0.000	5.713	0	10354845	N.D.	1.915 #

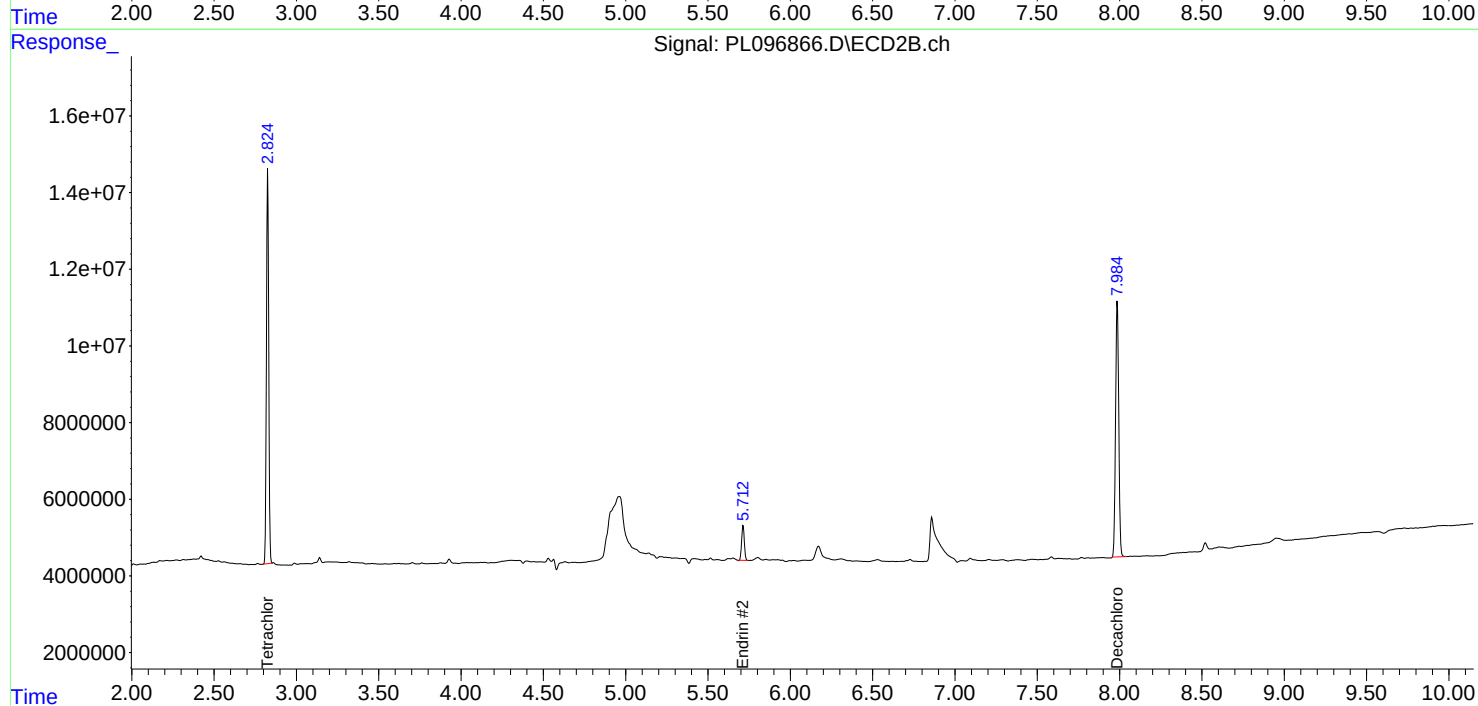
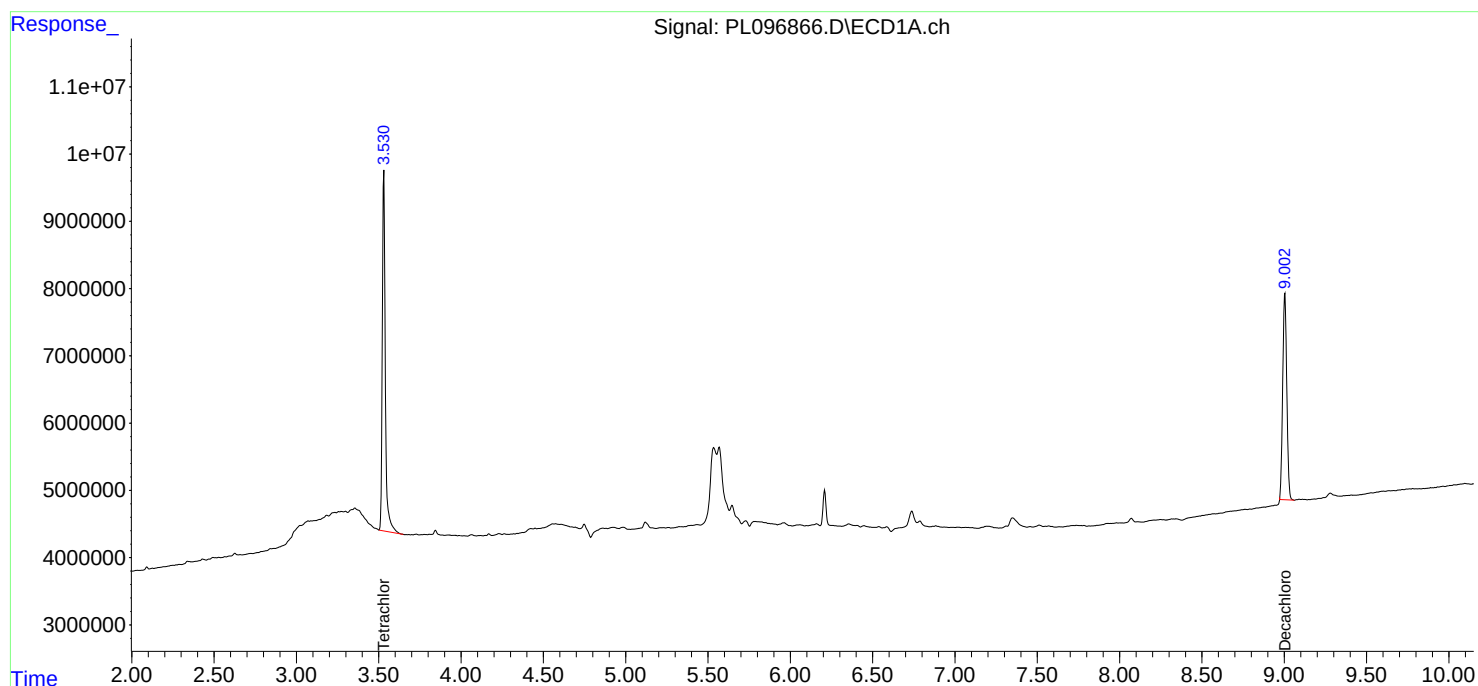
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

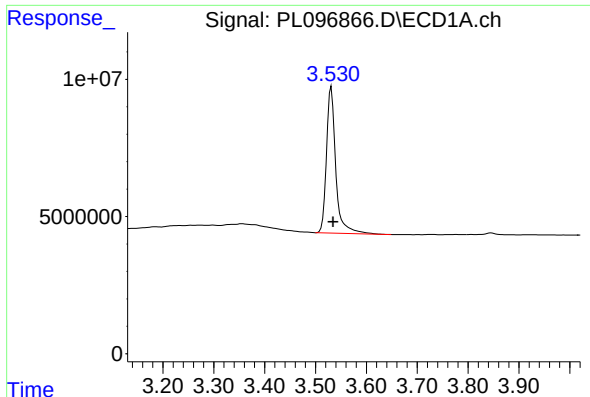
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
Data File : PL096866.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 19:00
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 06:01:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

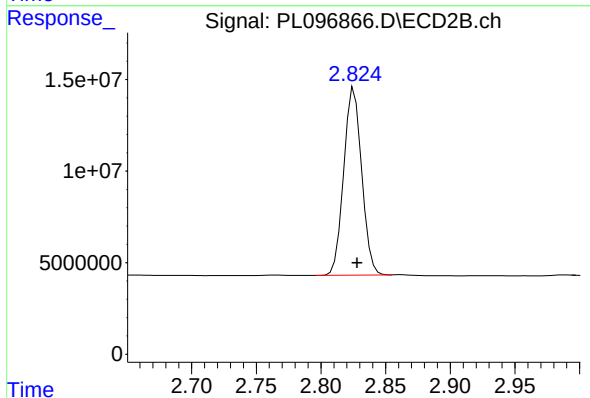




#1 Tetrachloro-m-xylene

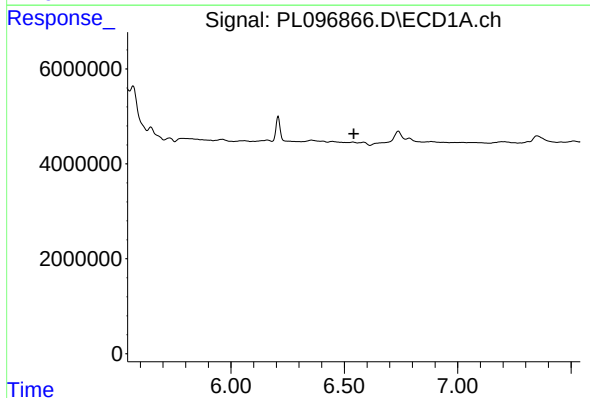
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 67669168
Conc: 21.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



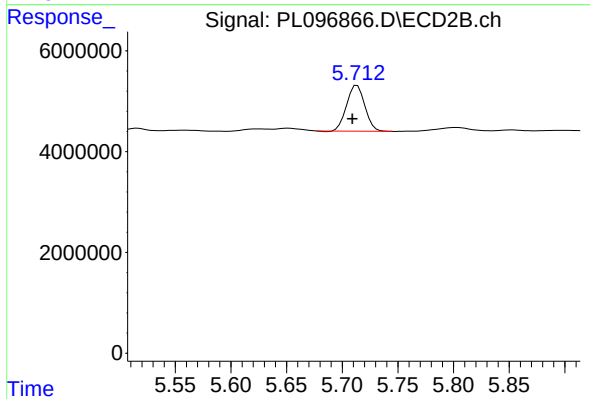
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 98635574
Conc: 20.64 ng/ml



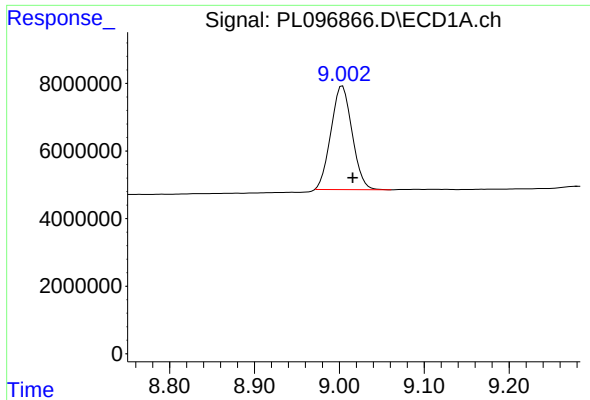
#14 Endrin

R.T.: 0.000 min
Exp R.T. : 6.542 min
Response: 0
Conc: N.D.



#14 Endrin

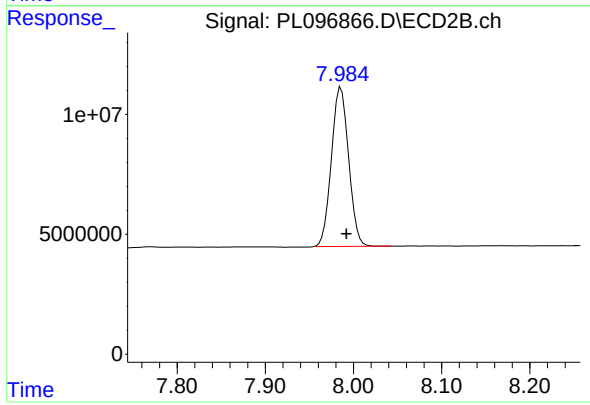
R.T.: 5.713 min
Delta R.T.: 0.004 min
Response: 10354845
Conc: 1.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.012 min
Response: 53104078
Conc: 22.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 90109887
Conc: 20.77 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
 Data File : PL096868.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 19:41
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

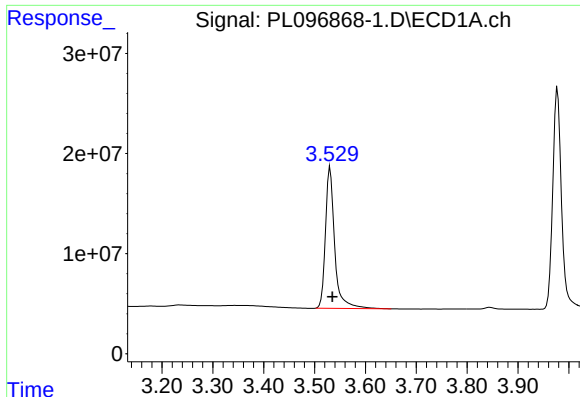
Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:02:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.825	178.6E6	256.5E6	56.149	53.681
28)	SA Decachlor...	9.004	7.987	126.1E6	218.2E6	52.860	50.285
Target Compounds							
2)	A alpha-BHC	3.978	3.330	263.3E6	379.7E6	56.917	53.651
3)	MA gamma-BHC...	4.305	3.662	246.1E6	351.1E6	55.634	53.165
4)	MA Heptachlor	4.897	4.011	235.6E6	333.0E6	56.697	49.981
5)	MB Aldrin	5.236	4.293	237.7E6	325.2E6	55.275	52.396
6)	B beta-BHC	4.492	3.958	101.0E6	150.8E6	55.947	53.467
7)	B delta-BHC	4.738	4.191	230.1E6	342.5E6	57.676	52.907
8)	B Heptachlo...	5.655	4.795	215.8E6	293.6E6	55.965	51.401
9)	A Endosulfan I	6.037	5.166	192.8E6	269.7E6	53.600	48.766
10)	B gamma-Chl...	5.909	5.047	213.0E6	307.5E6	55.969	52.288
11)	B alpha-Chl...	5.989	5.111	210.9E6	300.9E6	54.717	51.014
12)	B 4,4'-DDE	6.159	5.300	177.6E6	284.4E6	55.305	51.569
13)	MA Dieldrin	6.308	5.430	197.4E6	302.0E6	53.193	51.128
14)	MA Endrin	6.535	5.705	144.8E6	254.3E6	47.855	47.033
15)	B Endosulfa...	6.748	5.997	179.1E6	259.2E6	55.915	50.466
16)	A 4,4'-DDD	6.668	5.852	149.2E6	250.4E6	59.013	53.212
17)	MA 4,4'-DDT	6.982	6.104	137.6E6	224.5E6	47.972	44.379
18)	B Endrin al...	6.877	6.175	119.9E6	190.2E6	55.853	52.318
19)	B Endosulfa...	7.110	6.398	149.3E6	250.6E6	51.958	49.279
20)	A Methoxychlor	7.455	6.676	67468590	118.1E6	45.948	43.101
21)	B Endrin ke...	7.590	6.902	164.0E6	298.9E6	54.545	53.660
22)	Mirex	8.068	7.092	124.6E6	217.5E6	50.259	49.880
24)	Chlordane-2	5.236f	0.000	237.7E6	0	1358.460	N.D. #
25)	Chlordane-3	5.909	5.047	213.0E6	307.5E6	318.852	442.194 #
26)	Chlordane-4	5.989	5.111	210.9E6	300.9E6	254.819	483.550 #
27)	Chlordane-5	0.000	5.997	0	259.2E6	N.D.	1016.042 #

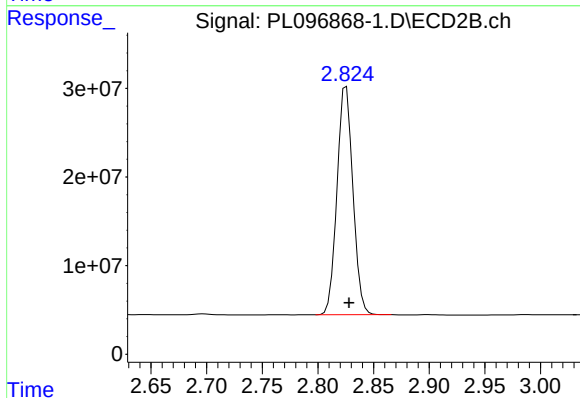
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



#1 Tetrachloro-m-xylene

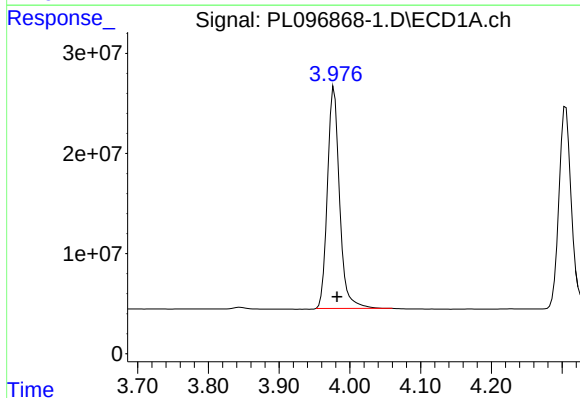
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 178599430
Conc: 56.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



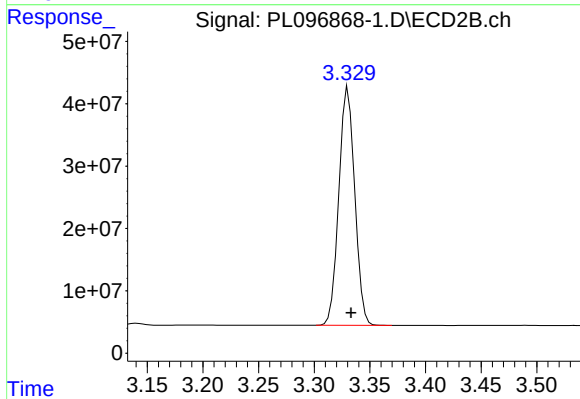
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 256474907
Conc: 53.68 ng/ml



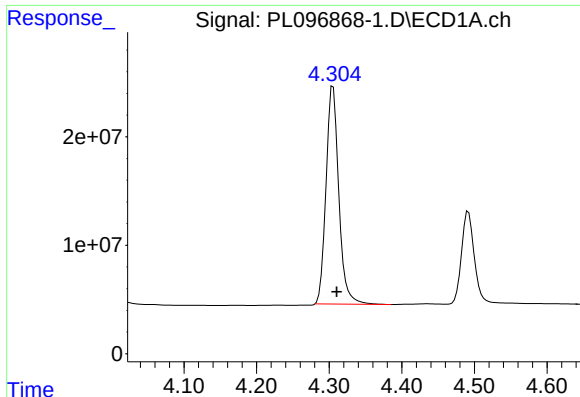
#2 alpha-BHC

R.T.: 3.978 min
Delta R.T.: -0.004 min
Response: 263318878
Conc: 56.92 ng/ml



#2 alpha-BHC

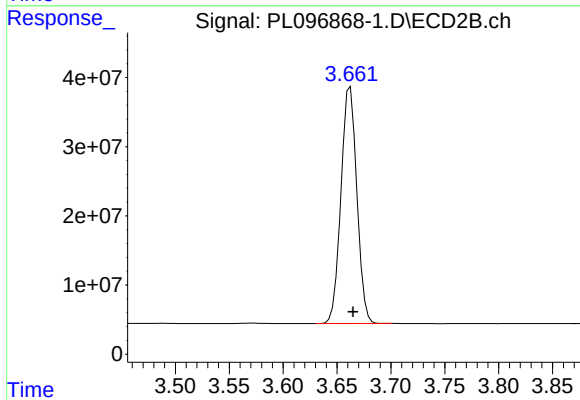
R.T.: 3.330 min
Delta R.T.: -0.003 min
Response: 379687677
Conc: 53.65 ng/ml



#3 gamma-BHC (Lindane)

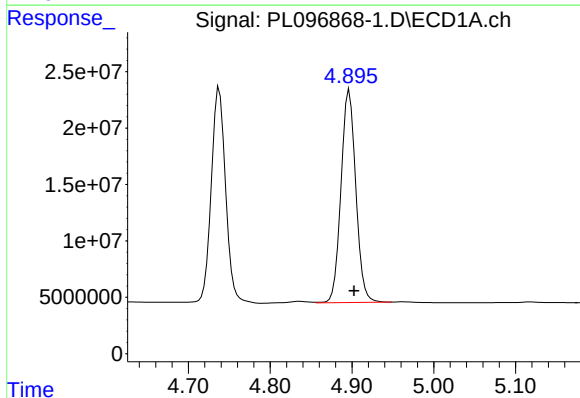
R.T.: 4.305 min
Delta R.T.: -0.005 min
Response: 246095556
Conc: 55.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



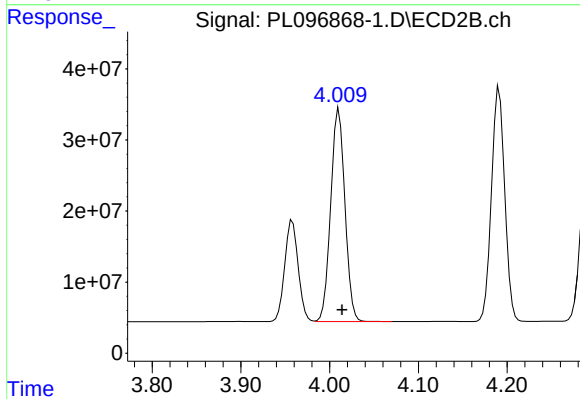
#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: -0.003 min
Response: 351070422
Conc: 53.17 ng/ml



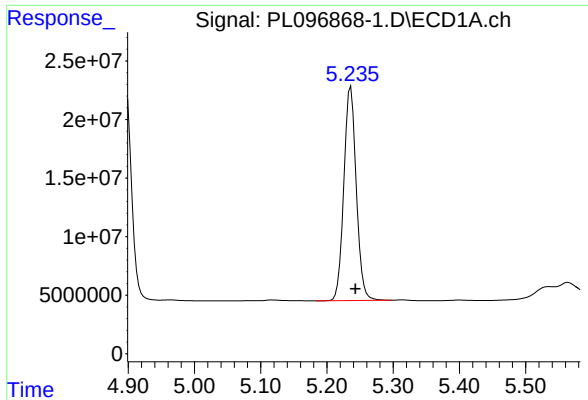
#4 Heptachlor

R.T.: 4.897 min
Delta R.T.: -0.006 min
Response: 235616089
Conc: 56.70 ng/ml



#4 Heptachlor

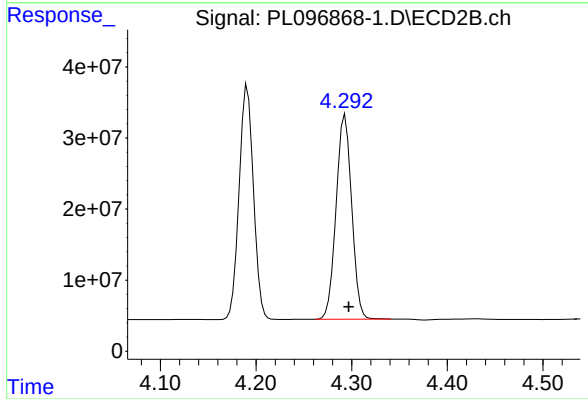
R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 332974057
Conc: 49.98 ng/ml



#5 Aldrin

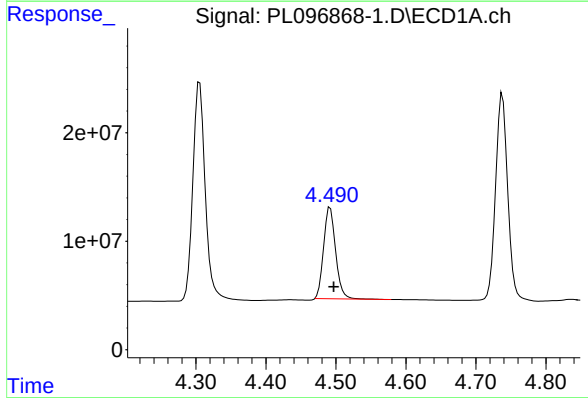
R.T.: 5.236 min
Delta R.T.: -0.007 min
Response: 237739822
Conc: 55.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



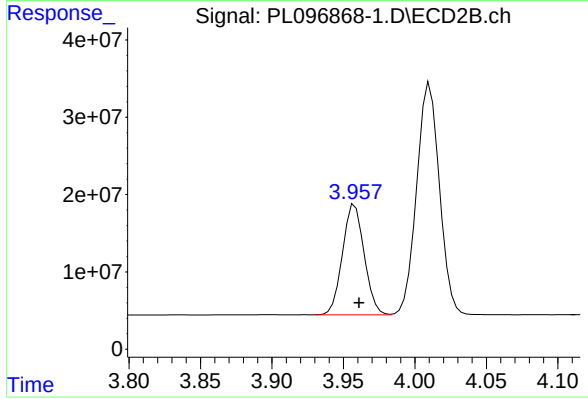
#5 Aldrin

R.T.: 4.293 min
Delta R.T.: -0.004 min
Response: 325227457
Conc: 52.40 ng/ml



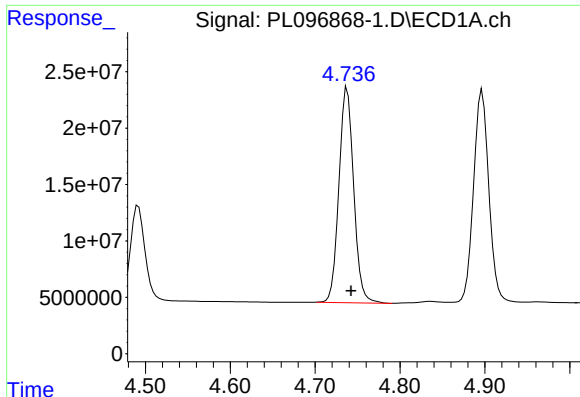
#6 beta-BHC

R.T.: 4.492 min
Delta R.T.: -0.005 min
Response: 100983095
Conc: 55.95 ng/ml



#6 beta-BHC

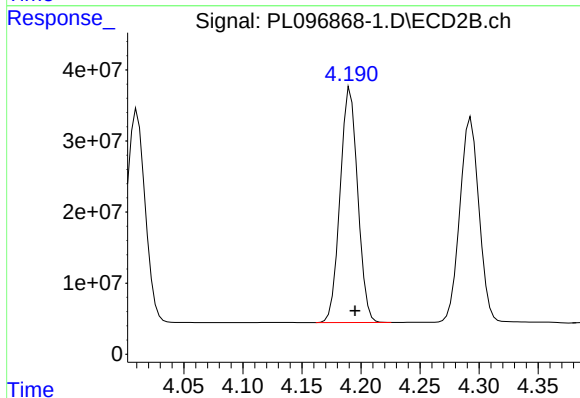
R.T.: 3.958 min
Delta R.T.: -0.003 min
Response: 150824188
Conc: 53.47 ng/ml



#7 delta-BHC

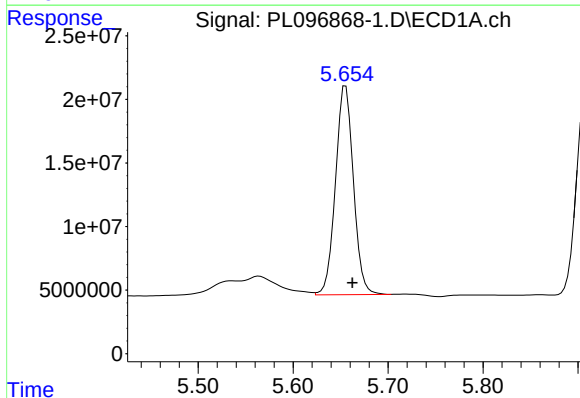
R.T.: 4.738 min
Delta R.T.: -0.005 min
Response: 230120463
Conc: 57.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



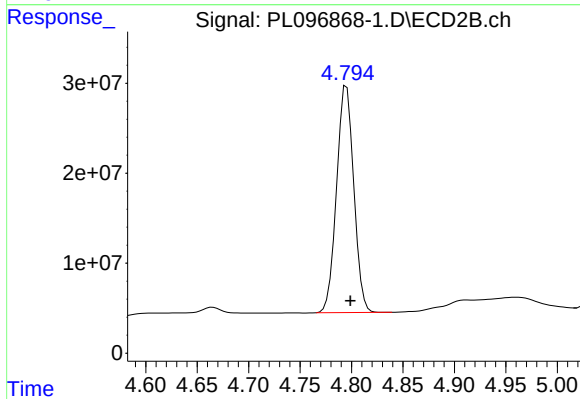
#7 delta-BHC

R.T.: 4.191 min
Delta R.T.: -0.004 min
Response: 342497900
Conc: 52.91 ng/ml



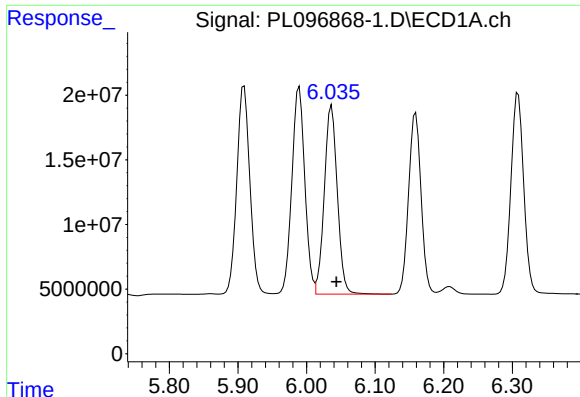
#8 Heptachlor epoxide

R.T.: 5.655 min
Delta R.T.: -0.007 min
Response: 215830130
Conc: 55.96 ng/ml



#8 Heptachlor epoxide

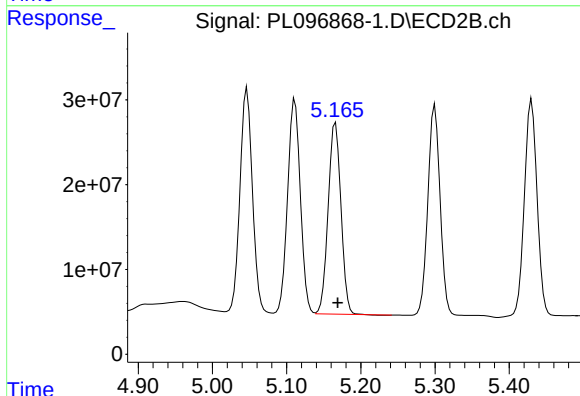
R.T.: 4.795 min
Delta R.T.: -0.004 min
Response: 293569430
Conc: 51.40 ng/ml



#9 Endosulfan I

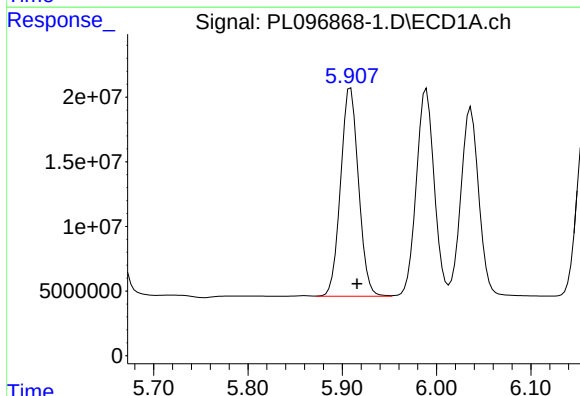
R.T.: 6.037 min
Delta R.T.: -0.007 min
Response: 192764217
Conc: 53.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



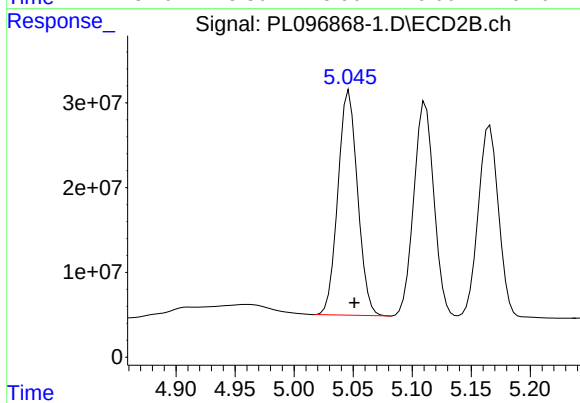
#9 Endosulfan I

R.T.: 5.166 min
Delta R.T.: -0.003 min
Response: 269747092
Conc: 48.77 ng/ml



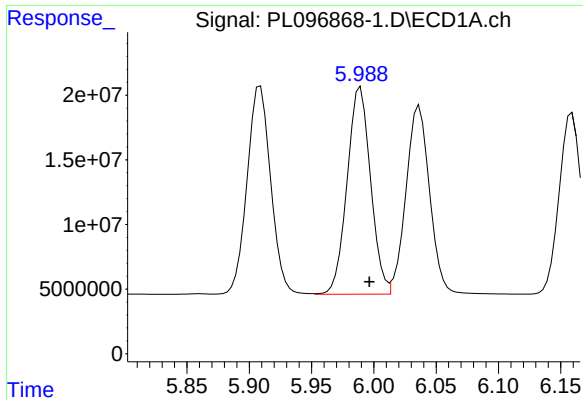
#10 gamma-Chlordane

R.T.: 5.909 min
Delta R.T.: -0.007 min
Response: 212973425
Conc: 55.97 ng/ml



#10 gamma-Chlordane

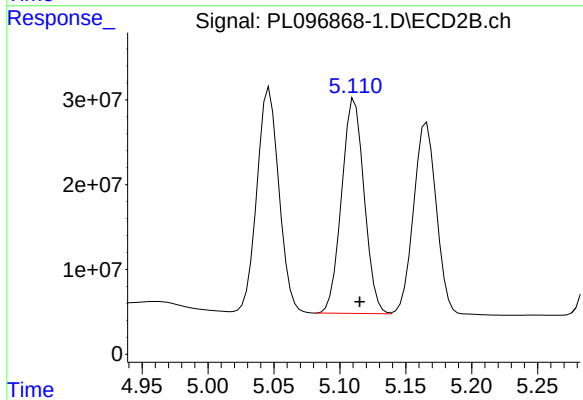
R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 307458344
Conc: 52.29 ng/ml



#11 alpha-Chlordane

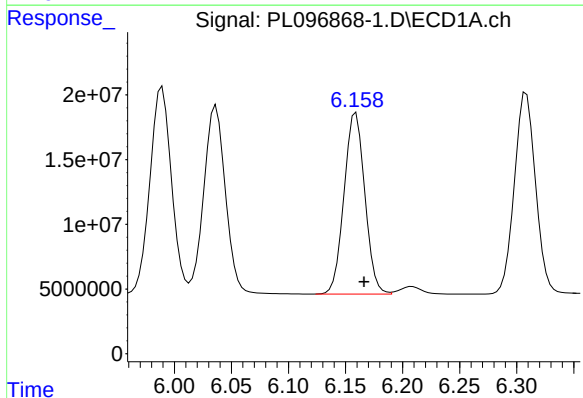
R.T.: 5.989 min
Delta R.T.: -0.007 min
Response: 210913439
Conc: 54.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



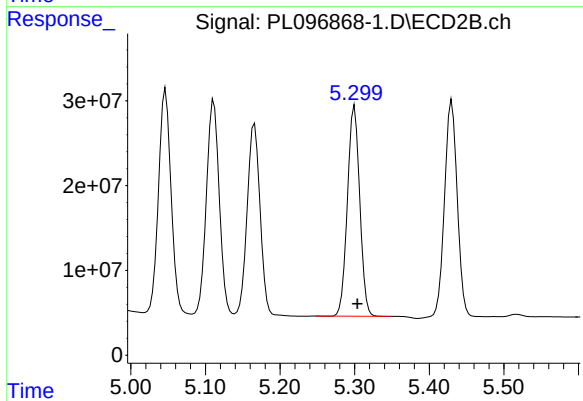
#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 300928672
Conc: 51.01 ng/ml



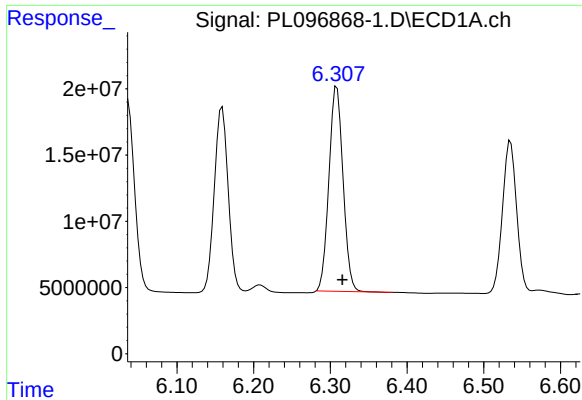
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 177598150
Conc: 55.31 ng/ml



#12 4,4'-DDE

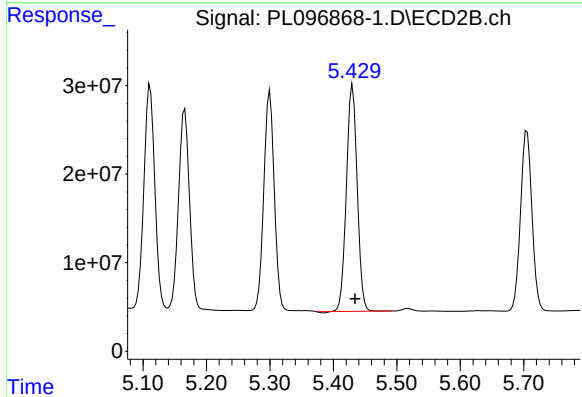
R.T.: 5.300 min
Delta R.T.: -0.004 min
Response: 284373198
Conc: 51.57 ng/ml



#13 Dieldrin

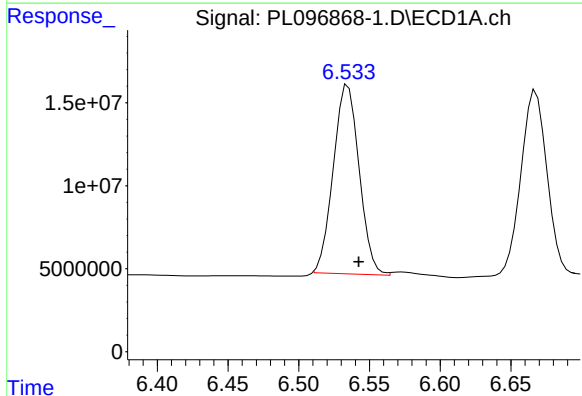
R.T.: 6.308 min
Delta R.T.: -0.007 min
Response: 197407495
Conc: 53.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



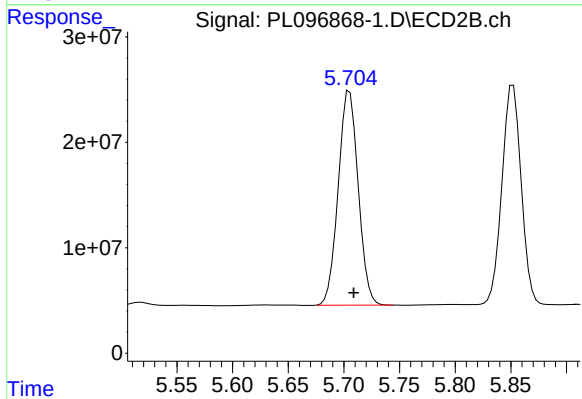
#13 Dieldrin

R.T.: 5.430 min
Delta R.T.: -0.004 min
Response: 301991204
Conc: 51.13 ng/ml



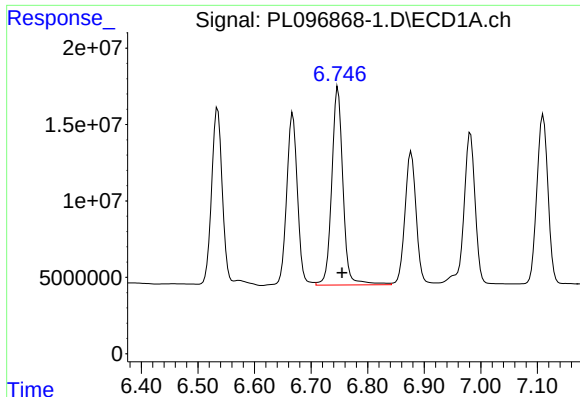
#14 Endrin

R.T.: 6.535 min
Delta R.T.: -0.008 min
Response: 144846096
Conc: 47.85 ng/ml



#14 Endrin

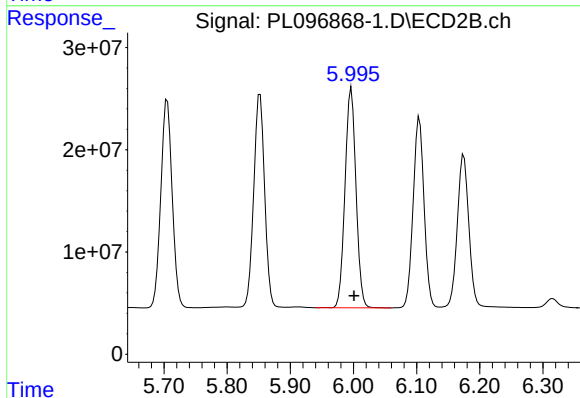
R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 254259977
Conc: 47.03 ng/ml



#15 Endosulfan II

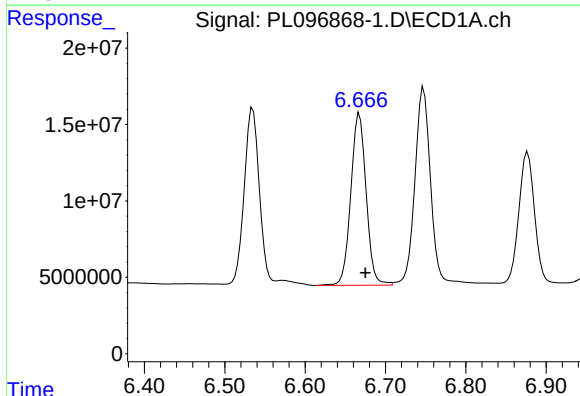
R.T.: 6.748 min
Delta R.T.: -0.007 min
Response: 179074671
Conc: 55.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



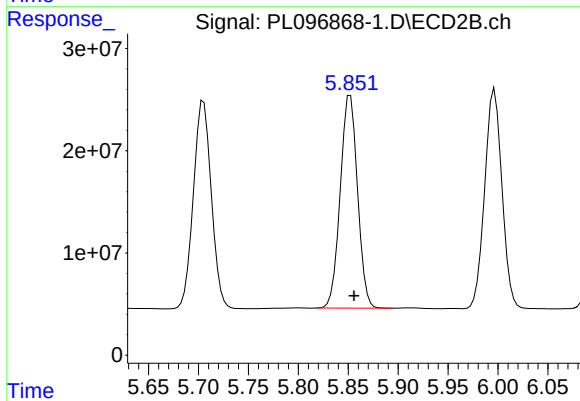
#15 Endosulfan II

R.T.: 5.997 min
Delta R.T.: -0.004 min
Response: 259204361
Conc: 50.47 ng/ml



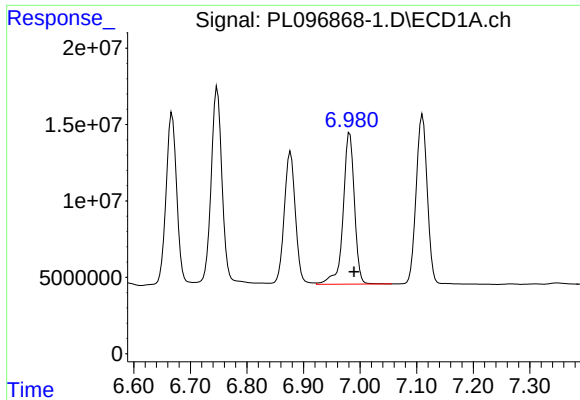
#16 4,4'-DDD

R.T.: 6.668 min
Delta R.T.: -0.007 min
Response: 149206471
Conc: 59.01 ng/ml



#16 4,4'-DDD

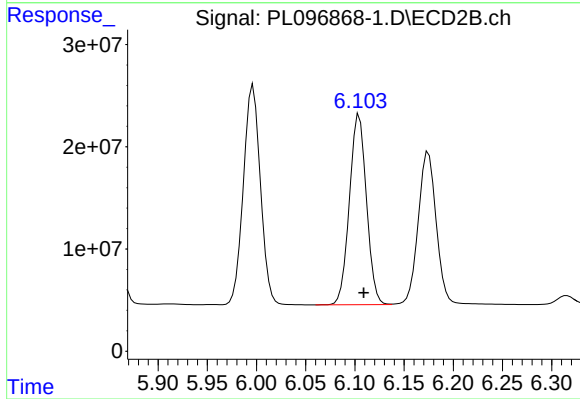
R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 250379970
Conc: 53.21 ng/ml



#17 4,4'-DDT

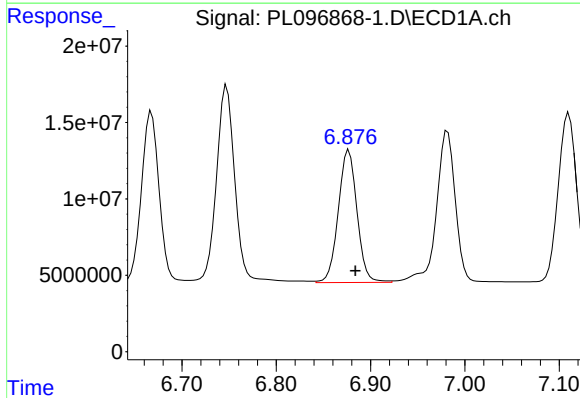
R.T.: 6.982 min
Delta R.T.: -0.007 min
Response: 137568779
Conc: 47.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



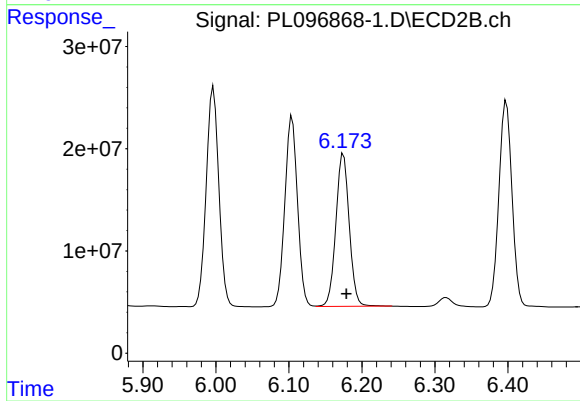
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 224483158
Conc: 44.38 ng/ml



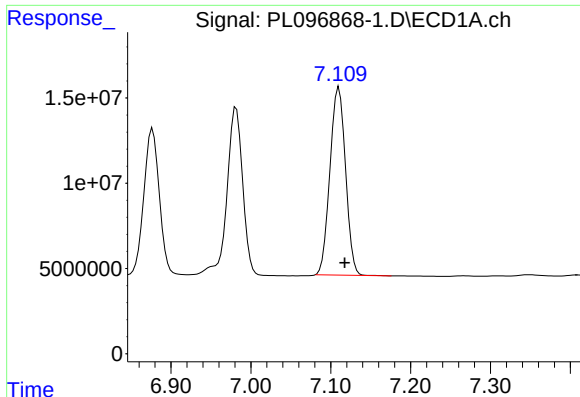
#18 Endrin aldehyde

R.T.: 6.877 min
Delta R.T.: -0.007 min
Response: 119854894
Conc: 55.85 ng/ml



#18 Endrin aldehyde

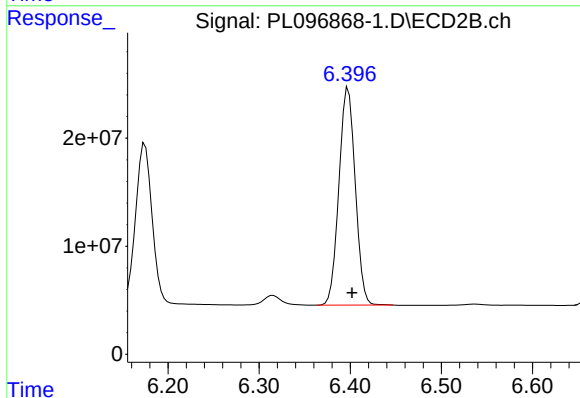
R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 190179426
Conc: 52.32 ng/ml



#19 Endosulfan Sulfate

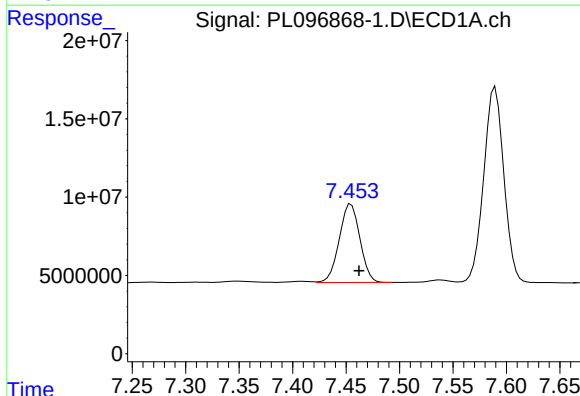
R.T.: 7.110 min
Delta R.T.: -0.007 min
Response: 149311155
Conc: 51.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



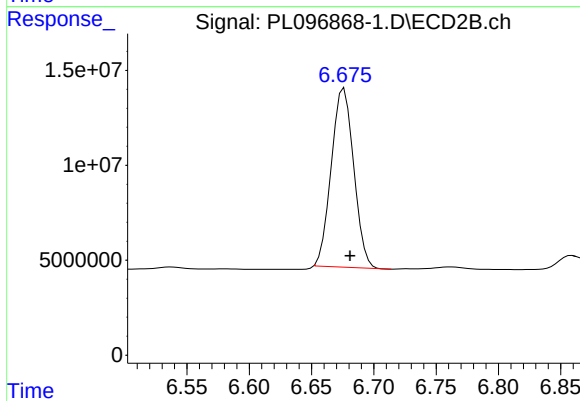
#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 250640997
Conc: 49.28 ng/ml



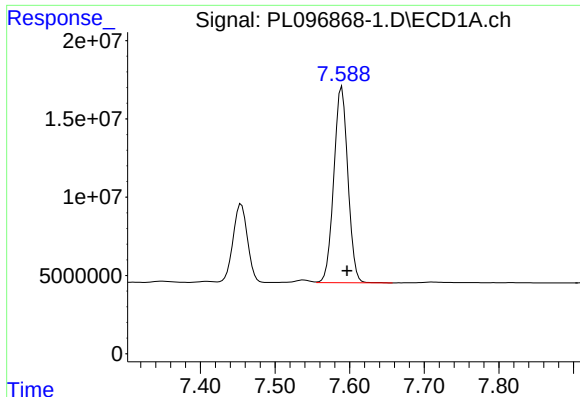
#20 Methoxychlor

R.T.: 7.455 min
Delta R.T.: -0.008 min
Response: 67468590
Conc: 45.95 ng/ml



#20 Methoxychlor

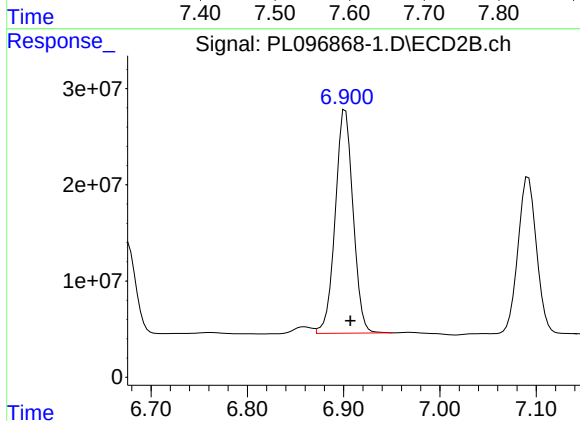
R.T.: 6.676 min
Delta R.T.: -0.005 min
Response: 118116893
Conc: 43.10 ng/ml



#21 Endrin ketone

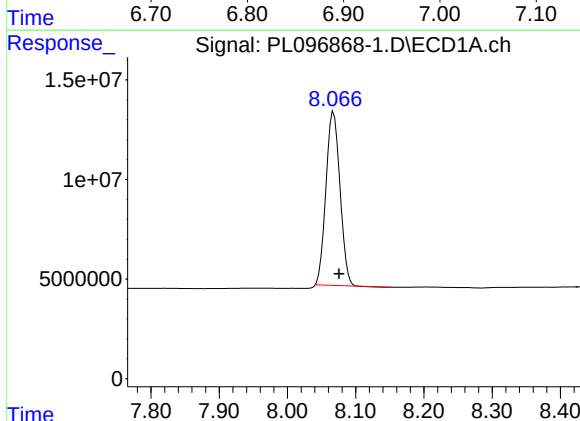
R.T.: 7.590 min
Delta R.T.: -0.007 min
Response: 164002355
Conc: 54.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



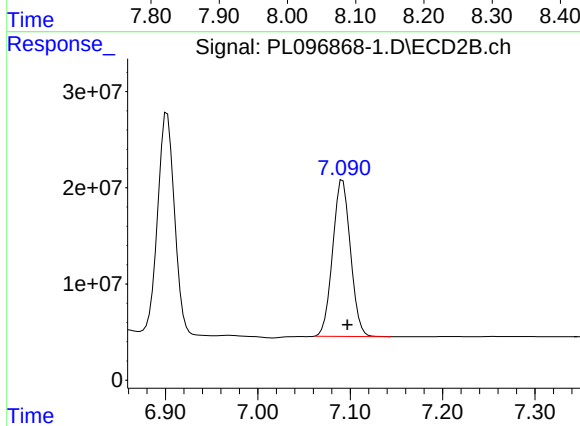
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 298874202
Conc: 53.66 ng/ml



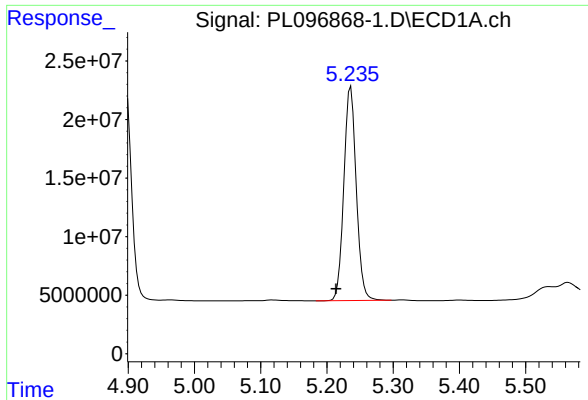
#22 Mirex

R.T.: 8.068 min
Delta R.T.: -0.008 min
Response: 124608992
Conc: 50.26 ng/ml



#22 Mirex

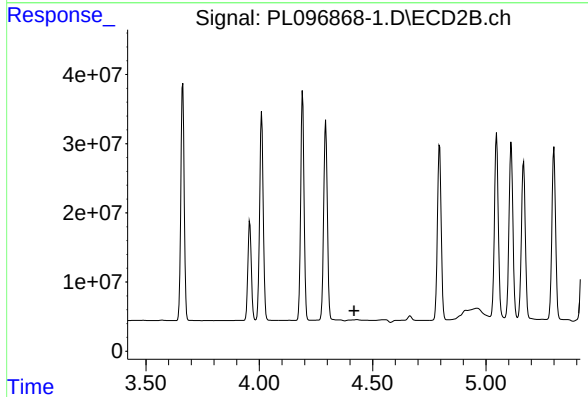
R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 217520900
Conc: 49.88 ng/ml



#24 Chlordane-2

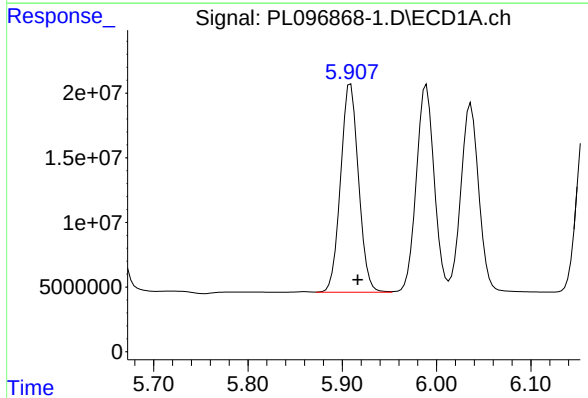
R.T.: 5.236 min
Delta R.T.: 0.022 min
Response: 237739822
Conc: 1358.46 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



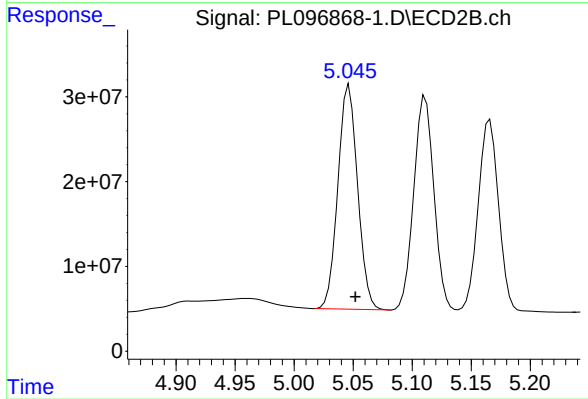
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.418 min
Response: 0
Conc: N.D.



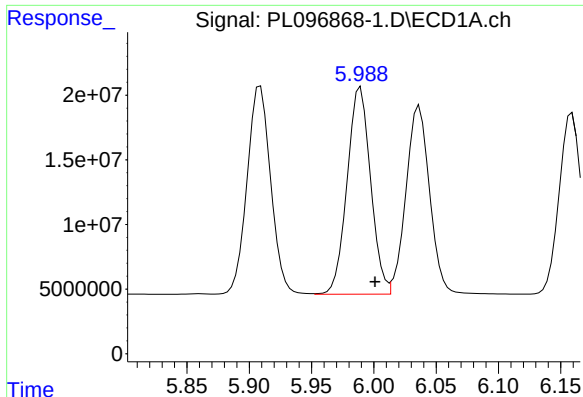
#25 Chlordane-3

R.T.: 5.909 min
Delta R.T.: -0.008 min
Response: 212973425
Conc: 318.85 ng/ml



#25 Chlordane-3

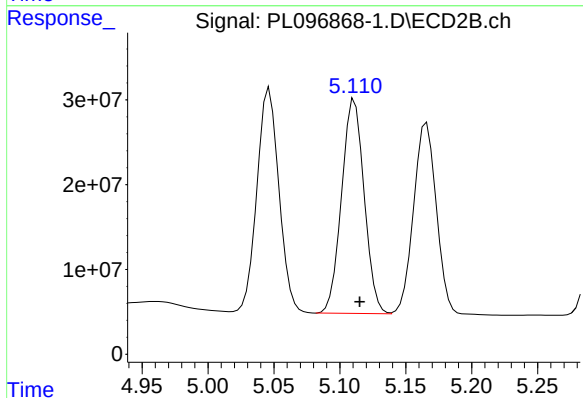
R.T.: 5.047 min
Delta R.T.: -0.005 min
Response: 307458344
Conc: 442.19 ng/ml



#26 Chlordane-4

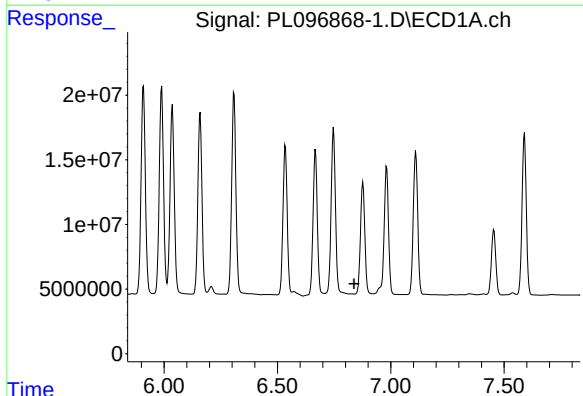
R.T.: 5.989 min
Delta R.T.: -0.012 min
Response: 210913439
Conc: 254.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



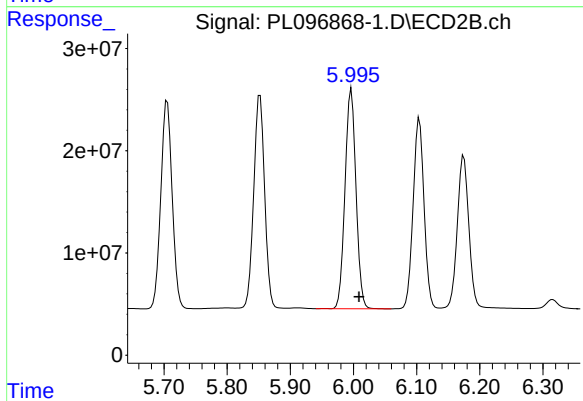
#26 Chlordane-4

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 300928672
Conc: 483.55 ng/ml



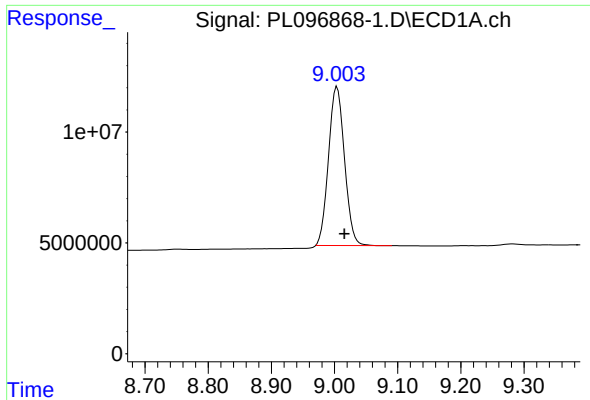
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.838 min
Response: 0
Conc: N.D.



#27 Chlordane-5

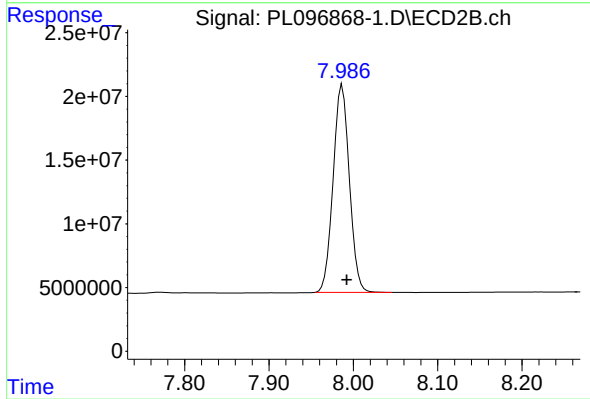
R.T.: 5.997 min
Delta R.T.: -0.012 min
Response: 259204361
Conc: 1016.04 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.012 min
Response: 126052681
Conc: 52.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 218150361
Conc: 50.28 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
 Data File : PL096881.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 08:48
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 20 10:02:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.530	2.825	73411079	102.5E6	23.080	21.446
28)	SA Decachlor...	9.005	7.986	55001863	83325708	23.065	19.207
Target Compounds							
14)	MA Endrin	0.000	5.713	0	16466325	N.D.	3.046 #

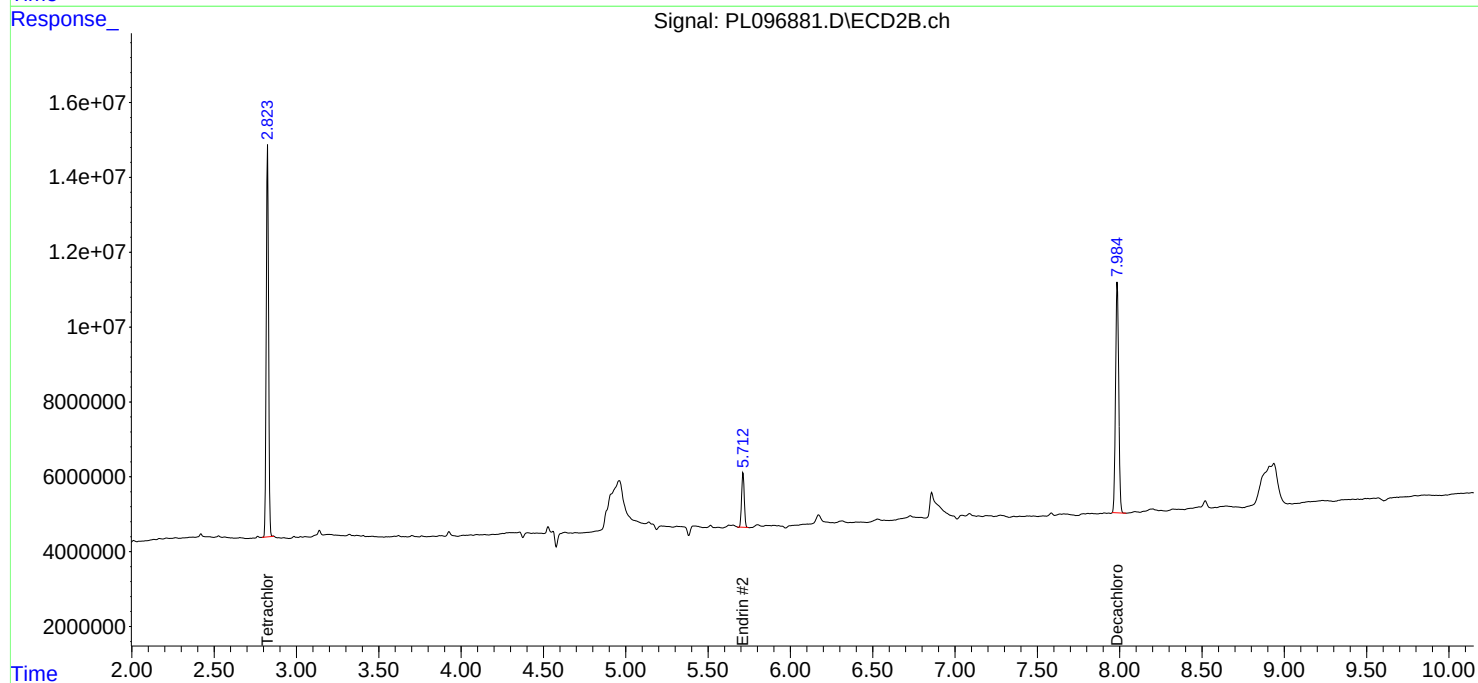
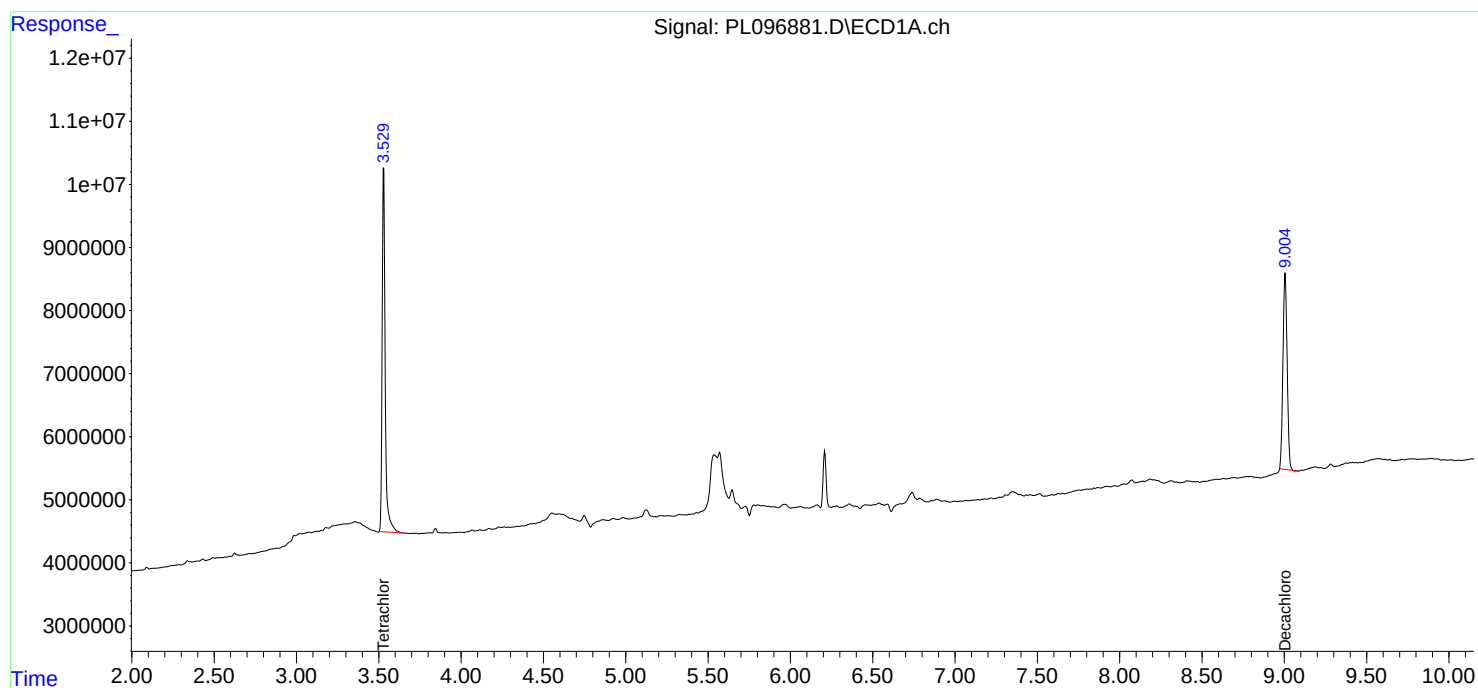
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

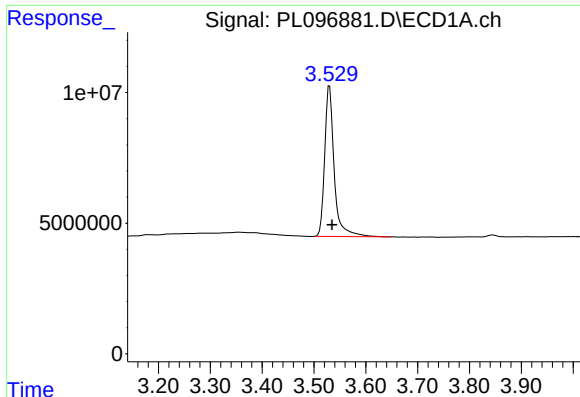
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
Data File : PL096881.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 08:48
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:02:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

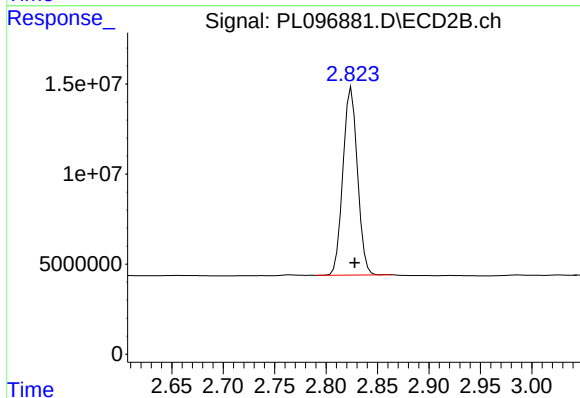




#1 Tetrachloro-m-xylene

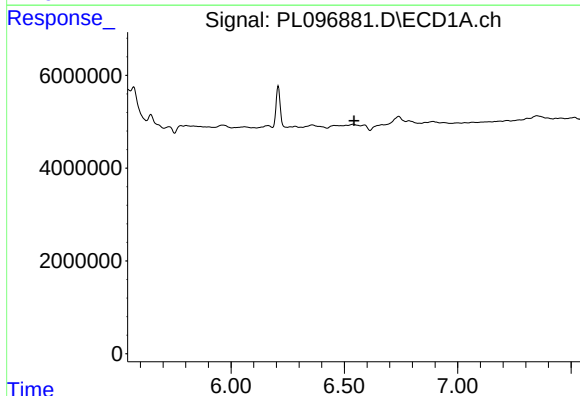
R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 73411079
Conc: 23.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



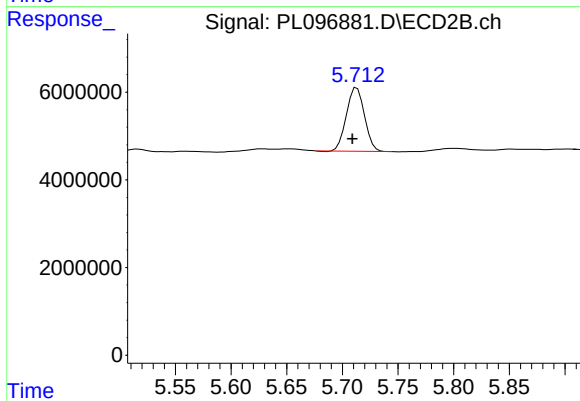
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 102462254
Conc: 21.45 ng/ml



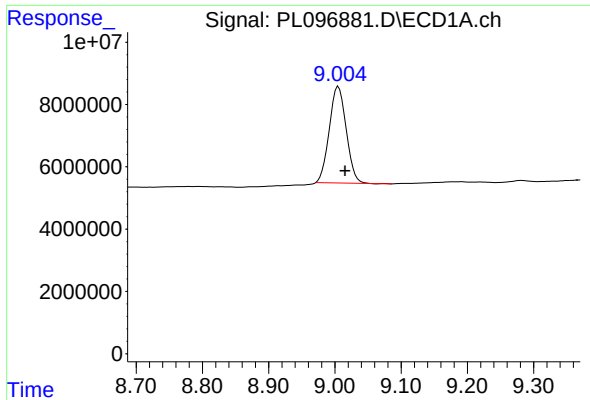
#14 Endrin

R.T.: 0.000 min
Exp R.T. : 6.542 min
Response: 0
Conc: N.D.



#14 Endrin

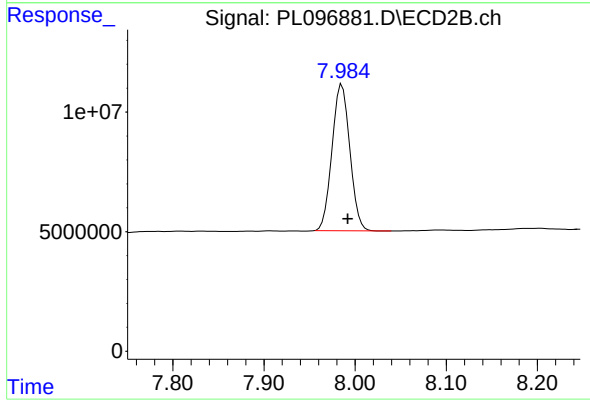
R.T.: 5.713 min
Delta R.T.: 0.004 min
Response: 16466325
Conc: 3.05 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.005 min
Delta R.T.: -0.010 min
Response: 55001863
Conc: 23.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 83325708
Conc: 19.21 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
 Data File : PL096882.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 10:28
 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: Aug 20 10:02:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.530	2.823	72004281	108.8E6	22.637	22.779
28)	SA Decachlor...	9.008	7.987	54884245	96968457	23.016	22.352
Target Compounds							
2)	A alpha-BHC	3.977	3.328	50457866	77149679	10.907	10.901
3)	MA gamma-BHC...	4.305	3.660	50379247	72520097	11.389	10.982
4)	MA Heptachlor	4.925f	0.000	17404008	0	4.188	N.D. #
6)	B beta-BHC	4.492	3.957	19755272	33196244	10.945	11.768
14)	MA Endrin	6.537	5.704	175.6E6	306.1E6	58.023	56.622
16)	A 4,4'-DDD	6.674	0.000	6687262	0	2.645	N.D. #
17)	MA 4,4'-DDT	6.984	6.104	335.1E6	617.5E6	116.840	122.074
20)	A Methoxychlor	7.457	6.677	414.2E6	694.1E6	282.053	253.273
21)	B Endrin ke...	0.000	6.901	0	9133306	N.D.	1.640 #

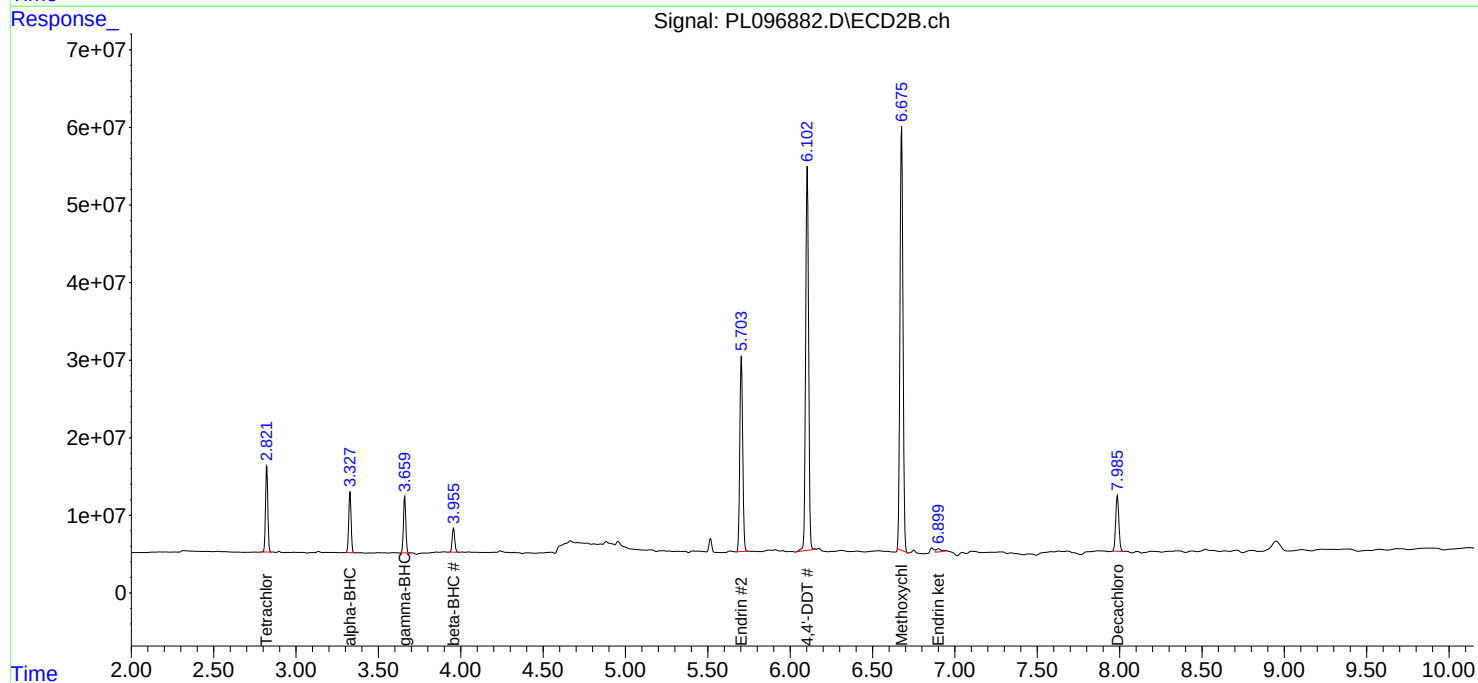
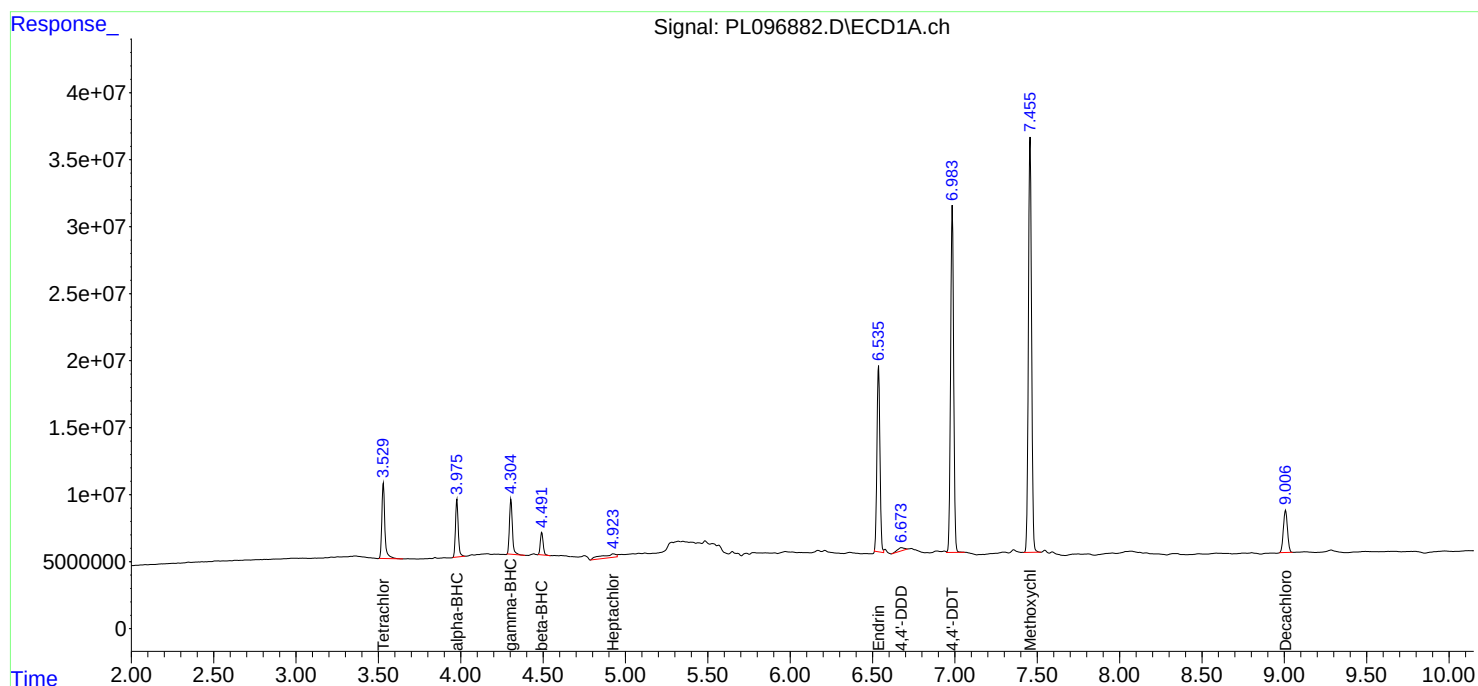
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

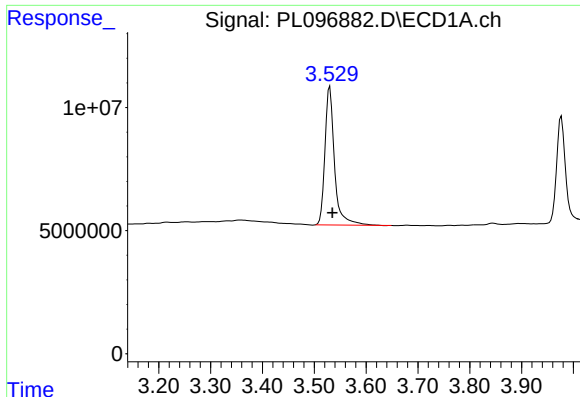
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
Data File : PL096882.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 10:28
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:02:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

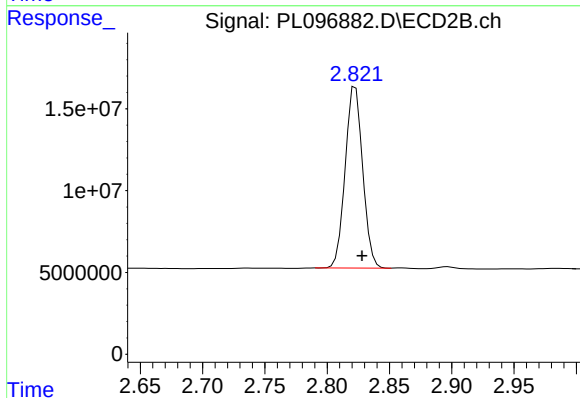




#1 Tetrachloro-m-xylene

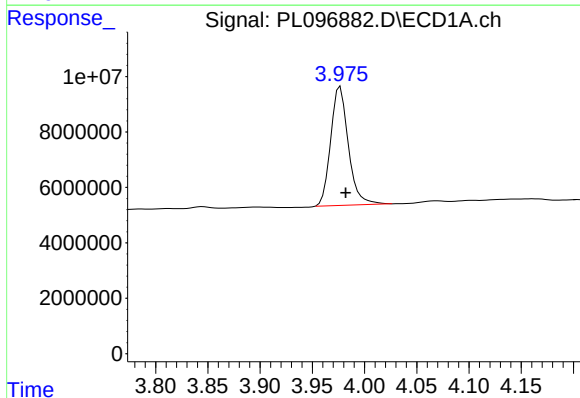
R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 72004281
Conc: 22.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



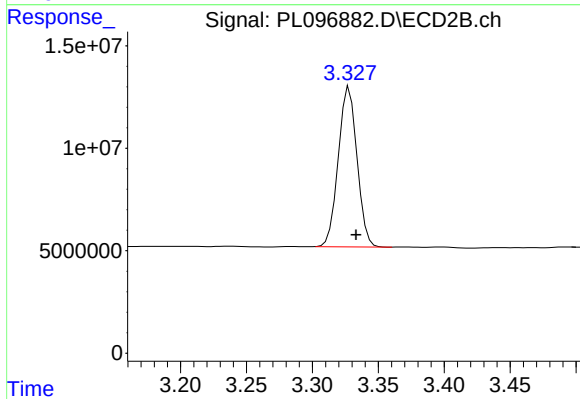
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: -0.005 min
Response: 108833510
Conc: 22.78 ng/ml



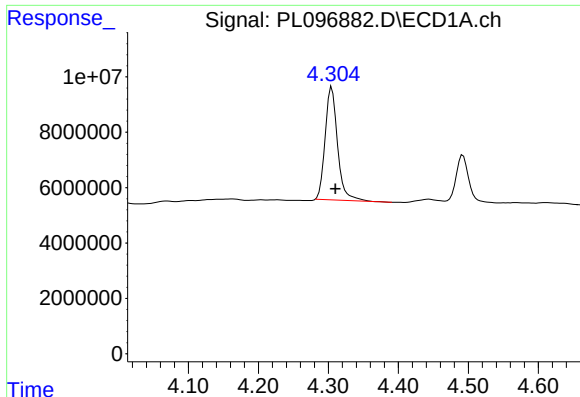
#2 alpha-BHC

R.T.: 3.977 min
Delta R.T.: -0.005 min
Response: 50457866
Conc: 10.91 ng/ml



#2 alpha-BHC

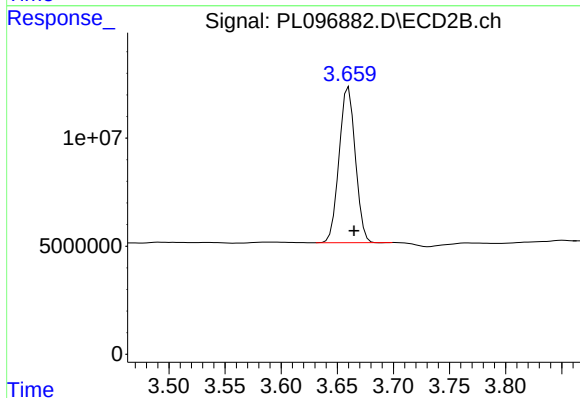
R.T.: 3.328 min
Delta R.T.: -0.005 min
Response: 77149679
Conc: 10.90 ng/ml



#3 gamma-BHC (Lindane)

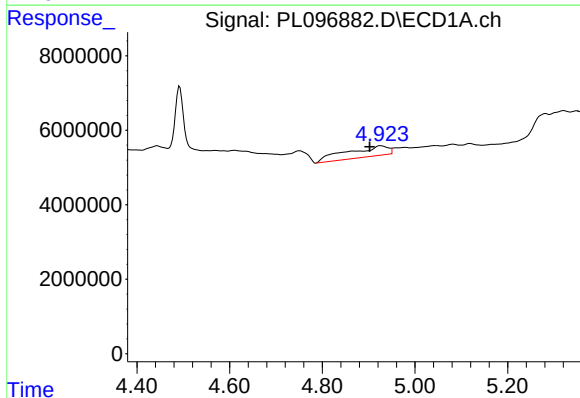
R.T.: 4.305 min
Delta R.T.: -0.005 min
Response: 50379247
Conc: 11.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



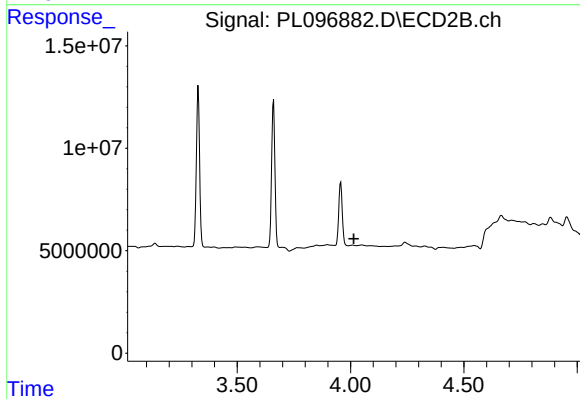
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: -0.005 min
Response: 72520097
Conc: 10.98 ng/ml



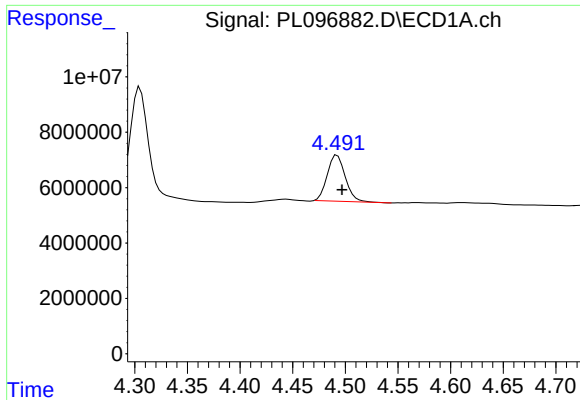
#4 Heptachlor

R.T.: 4.925 min
Delta R.T.: 0.023 min
Response: 17404008
Conc: 4.19 ng/ml



#4 Heptachlor

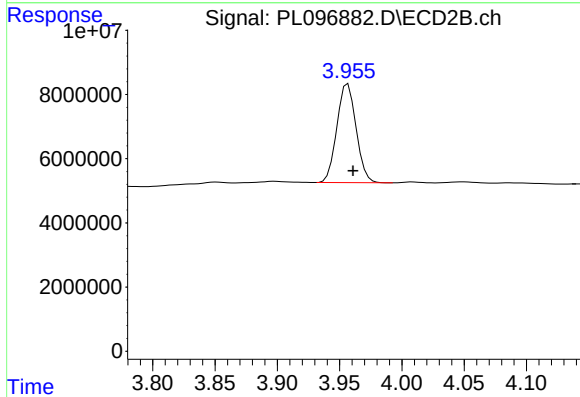
R.T.: 0.000 min
Exp R.T. : 4.014 min
Response: 0
Conc: N.D.



#6 beta-BHC

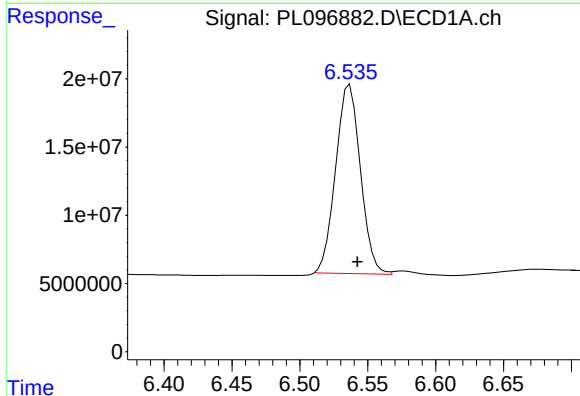
R.T.: 4.492 min
Delta R.T.: -0.005 min
Response: 19755272
Conc: 10.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



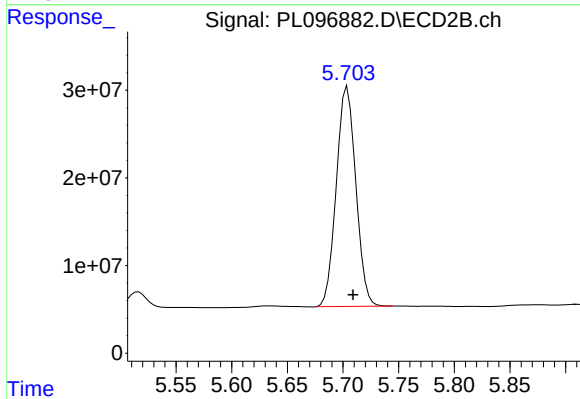
#6 beta-BHC

R.T.: 3.957 min
Delta R.T.: -0.004 min
Response: 33196244
Conc: 11.77 ng/ml



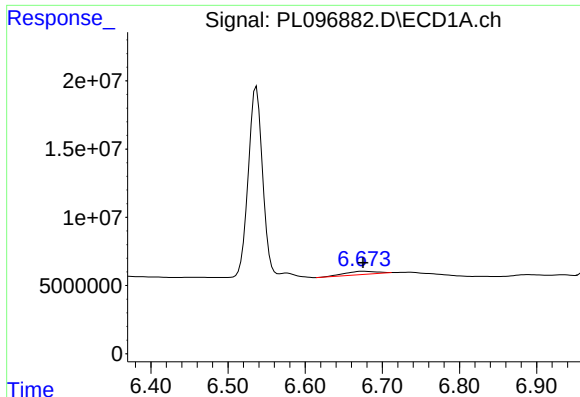
#14 Endrin

R.T.: 6.537 min
Delta R.T.: -0.006 min
Response: 175622387
Conc: 58.02 ng/ml



#14 Endrin

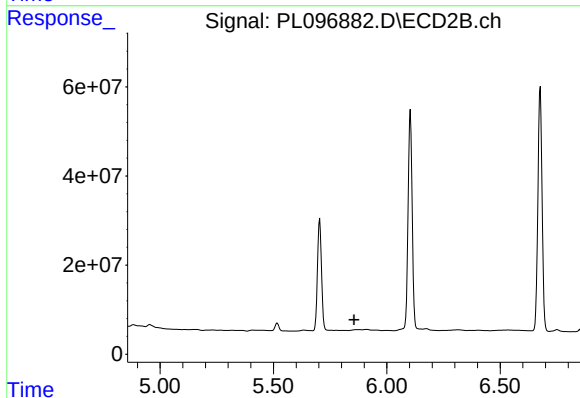
R.T.: 5.704 min
Delta R.T.: -0.005 min
Response: 306097287
Conc: 56.62 ng/ml



#16 4,4'-DDD

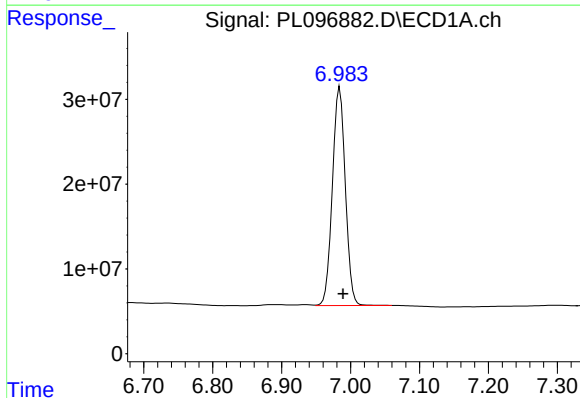
R.T.: 6.674 min
Delta R.T.: 0.000 min
Response: 6687262
Conc: 2.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



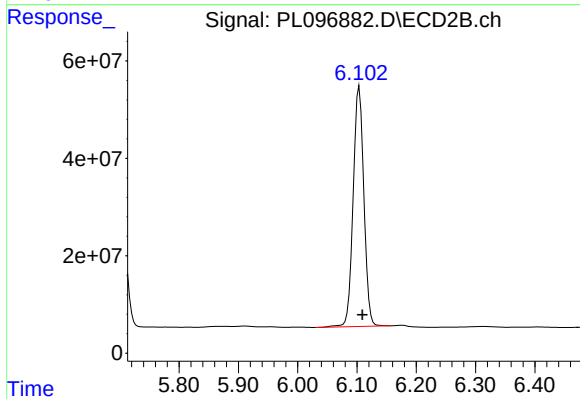
#16 4,4'-DDD

R.T.: 0.000 min
Exp R.T. : 5.856 min
Response: 0
Conc: N.D.



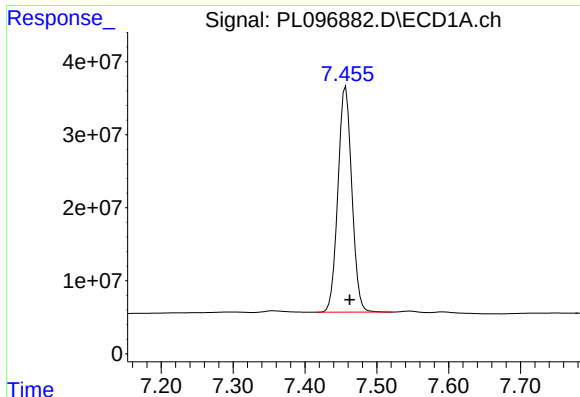
#17 4,4'-DDT

R.T.: 6.984 min
Delta R.T.: -0.005 min
Response: 335060849
Conc: 116.84 ng/ml



#17 4,4'-DDT

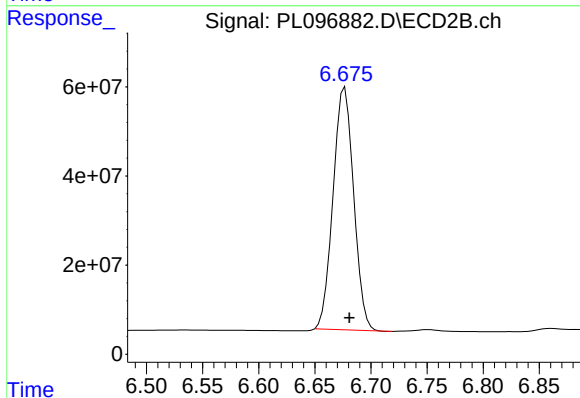
R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 617484404
Conc: 122.07 ng/ml



#20 Methoxychlor

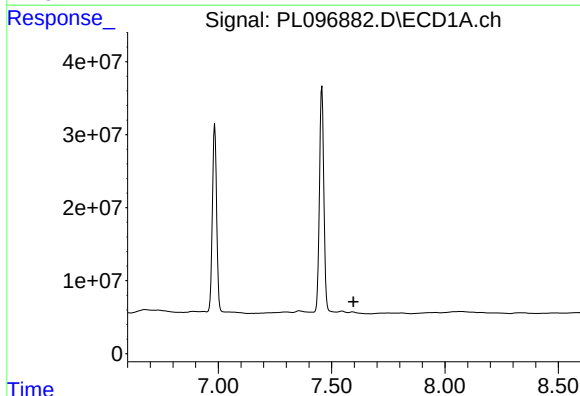
R.T.: 7.457 min
Delta R.T.: -0.005 min
Response: 414153434
Conc: 282.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



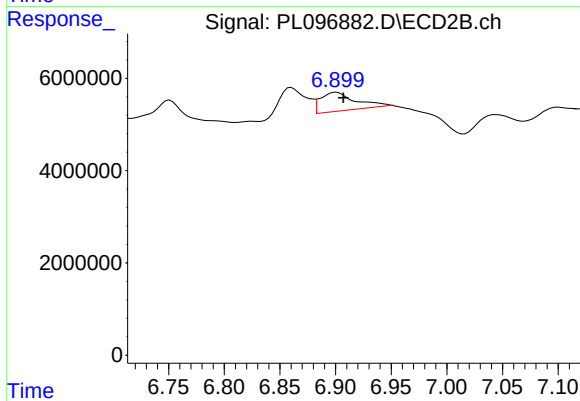
#20 Methoxychlor

R.T.: 6.677 min
Delta R.T.: -0.004 min
Response: 694092977
Conc: 253.27 ng/ml



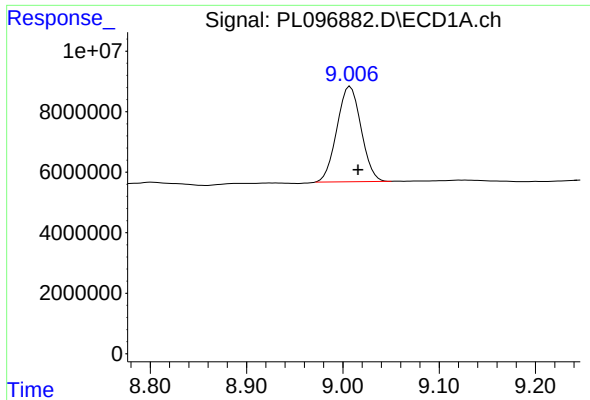
#21 Endrin ketone

R.T.: 0.000 min
Exp R.T. : 7.597 min
Response: 0
Conc: N.D.



#21 Endrin ketone

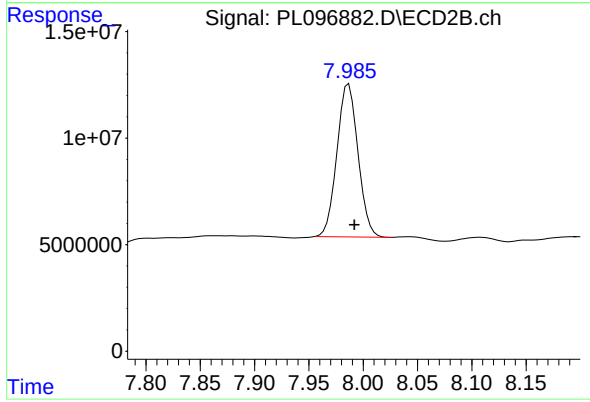
R.T.: 6.891 min
Delta R.T.: -0.006 min
Response: 9133306
Conc: 1.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.008 min
Delta R.T.: -0.008 min
Response: 54884245
Conc: 23.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 96968457
Conc: 22.35 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
 Data File : PL096883.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 11:07
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

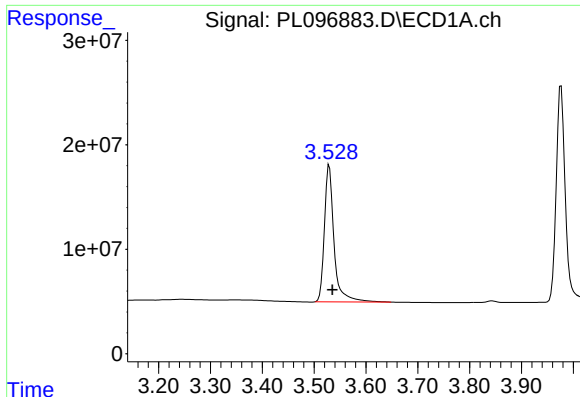
Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 20 01:36:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.529	2.823	169.2E6	254.8E6	53.186	53.324
28)	SA Decachlor...	9.006	7.987	119.6E6	204.2E6	50.149	47.069
Target Compounds							
2)	A alpha-BHC	3.977	3.328	248.2E6	377.1E6	53.657	53.286
3)	MA gamma-BHC...	4.304	3.660	228.6E6	347.6E6	51.680	52.643
4)	MA Heptachlor	4.896	4.009	237.2E6	351.2E6	57.081	52.724
5)	MB Aldrin	5.235	4.292	227.5E6	325.1E6	52.904	52.372
6)	B beta-BHC	4.491	3.957	89101621	148.6E6	49.365	52.661
7)	B delta-BHC	4.737	4.190	212.8E6	342.2E6	53.328	52.863
8)	B Heptachlo...	5.655	4.794	203.1E6	298.8E6	52.662	52.325
9)	A Endosulfan I	6.037	5.165	186.2E6	270.6E6	51.769	48.920
10)	B gamma-Chl...	5.909	5.045	203.1E6	309.4E6	53.377	52.618
11)	B alpha-Chl...	5.989	5.110	202.6E6	304.8E6	52.569	51.670
12)	B 4,4'-DDE	6.160	5.298	168.4E6	289.9E6	52.426	52.573
13)	MA Dieldrin	6.309	5.429	189.8E6	303.4E6	51.151	51.370
14)	MA Endrin	6.536	5.704	153.5E6	285.9E6	50.707	52.879
15)	B Endosulfa...	6.749	5.995	184.7E6	260.7E6	57.662	50.757
16)	A 4,4'-DDD	6.669	5.851	137.7E6	242.4E6	54.455	51.515
17)	MA 4,4'-DDT	6.983	6.104	150.1E6	269.6E6	52.341	53.290
18)	B Endrin al...	6.877	6.174	107.4E6	182.1E6	50.058	50.093
19)	B Endosulfa...	7.111	6.397	141.5E6	249.5E6	49.232	49.063
20)	A Methoxychlor	7.455	6.676	77903392	135.5E6	53.055	49.440
21)	B Endrin ke...	7.591	6.902	150.5E6	298.8E6	50.050	53.648
22)	Mirex	8.069	7.092	122.2E6	215.1E6	49.280	49.332
24)	Chlordane-2	5.235f	0.000	227.5E6	0	1300.186	N.D. #
25)	Chlordane-3	5.909	5.045	203.1E6	309.4E6	304.087	444.986 #
26)	Chlordane-4	5.989	5.110	202.6E6	304.8E6	244.818	489.766 #
27)	Chlordane-5	0.000	5.995	0	260.7E6	N.D.	1021.910 #

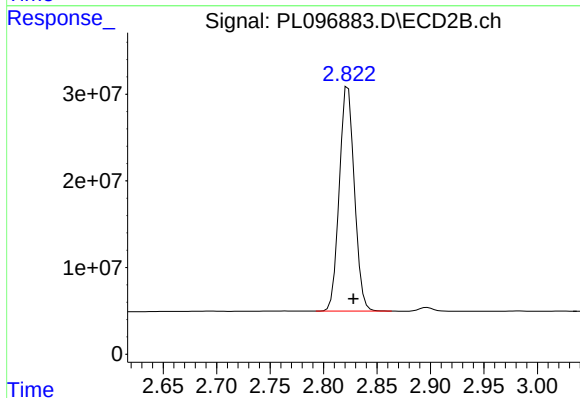
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



#1 Tetrachloro-m-xylene

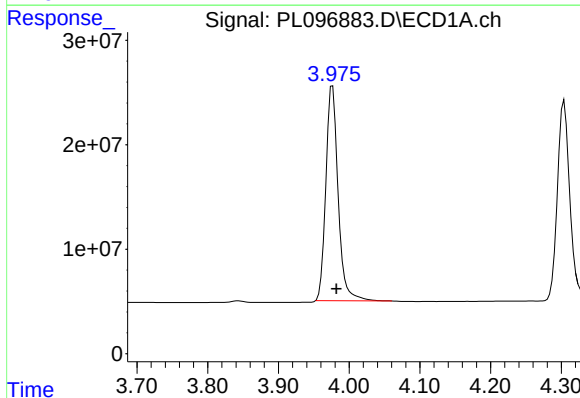
R.T.: 3.529 min
Delta R.T.: -0.006 min
Response: 169172451
Conc: 53.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



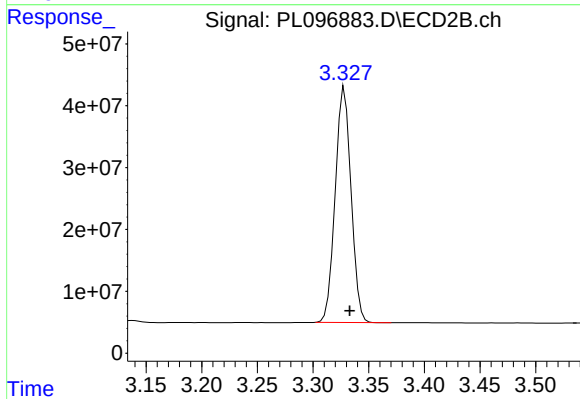
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: -0.005 min
Response: 254768808
Conc: 53.32 ng/ml



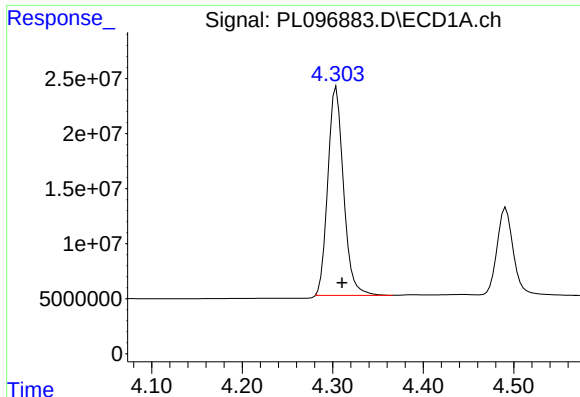
#2 alpha-BHC

R.T.: 3.977 min
Delta R.T.: -0.006 min
Response: 248235866
Conc: 53.66 ng/ml



#2 alpha-BHC

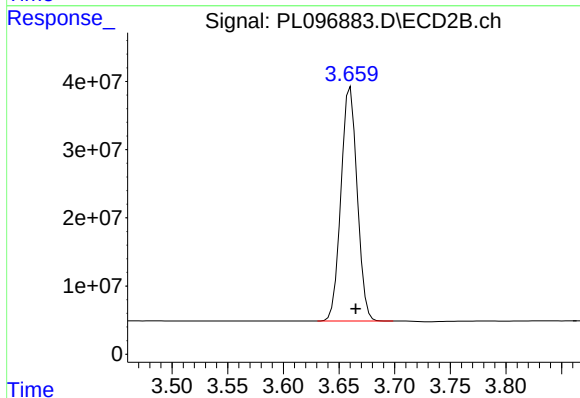
R.T.: 3.328 min
Delta R.T.: -0.005 min
Response: 377109164
Conc: 53.29 ng/ml



#3 gamma-BHC (Lindane)

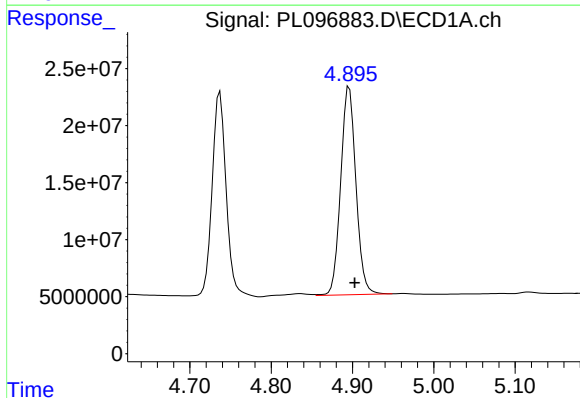
R.T.: 4.304 min
Delta R.T.: -0.006 min
Response: 228604775
Conc: 51.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



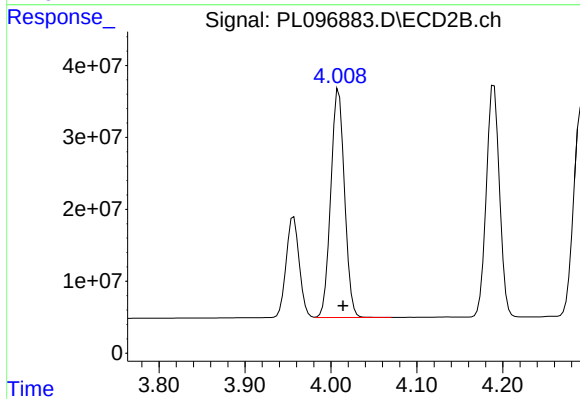
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: -0.005 min
Response: 347622328
Conc: 52.64 ng/ml



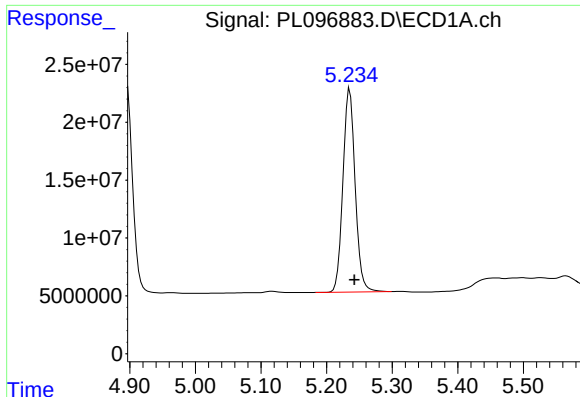
#4 Heptachlor

R.T.: 4.896 min
Delta R.T.: -0.007 min
Response: 237208958
Conc: 57.08 ng/ml



#4 Heptachlor

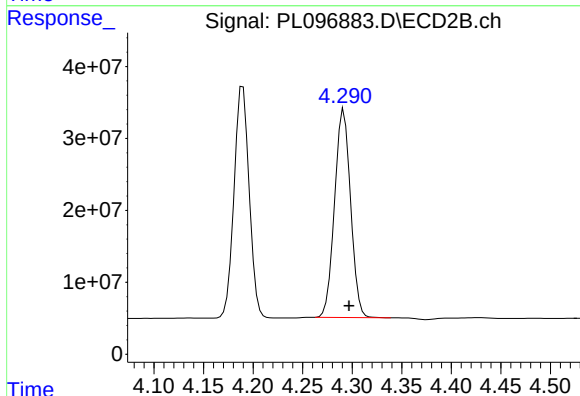
R.T.: 4.009 min
Delta R.T.: -0.005 min
Response: 351242008
Conc: 52.72 ng/ml



#5 Aldrin

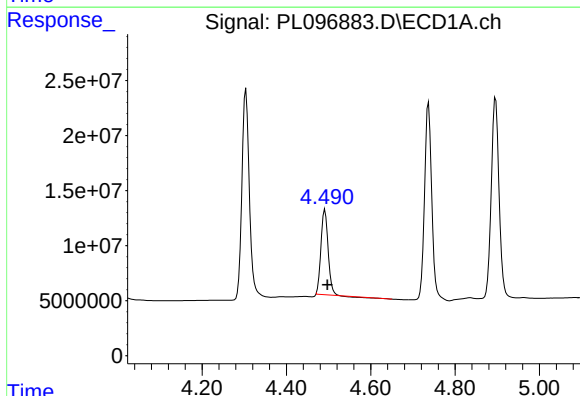
R.T.: 5.235 min
Delta R.T.: -0.007 min
Response: 227541406
Conc: 52.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



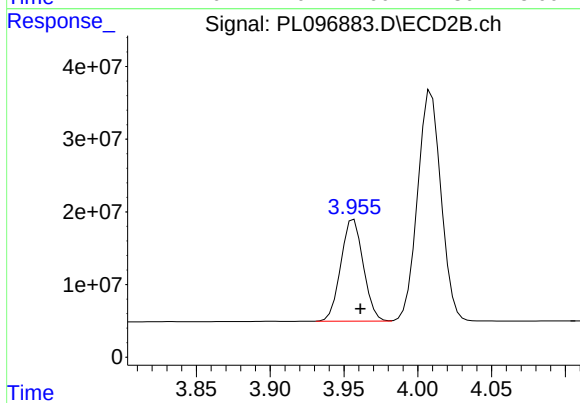
#5 Aldrin

R.T.: 4.292 min
Delta R.T.: -0.005 min
Response: 325078016
Conc: 52.37 ng/ml



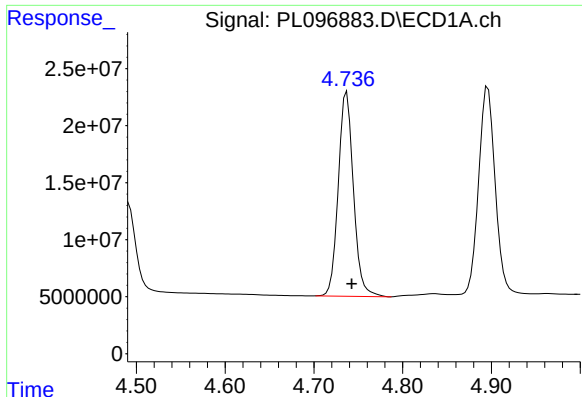
#6 beta-BHC

R.T.: 4.491 min
Delta R.T.: -0.006 min
Response: 89101621
Conc: 49.36 ng/ml



#6 beta-BHC

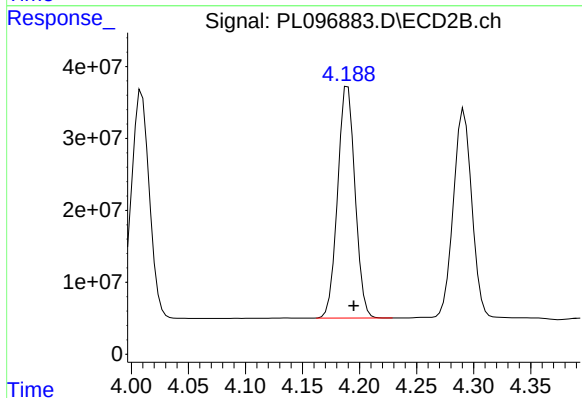
R.T.: 3.957 min
Delta R.T.: -0.004 min
Response: 148550185
Conc: 52.66 ng/ml



#7 delta-BHC

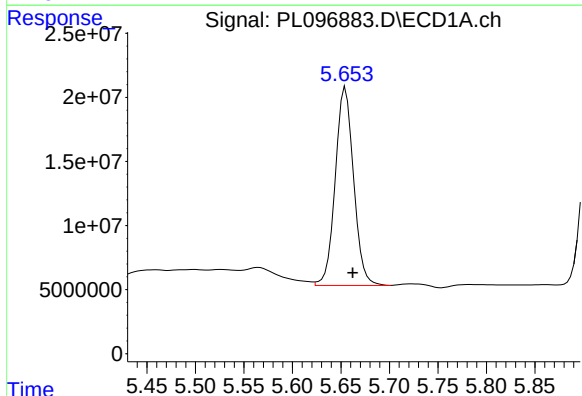
R.T.: 4.737 min
Delta R.T.: -0.005 min
Response: 212769495
Conc: 53.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



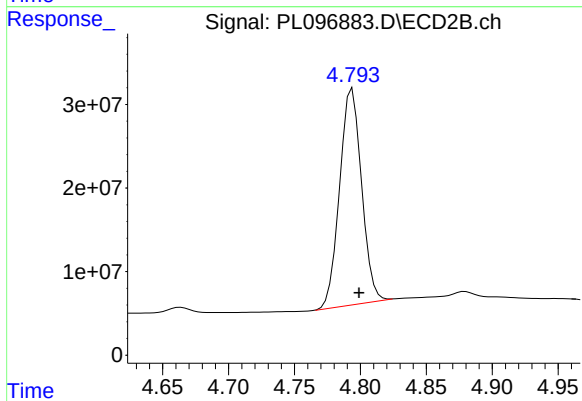
#7 delta-BHC

R.T.: 4.190 min
Delta R.T.: -0.005 min
Response: 342215690
Conc: 52.86 ng/ml



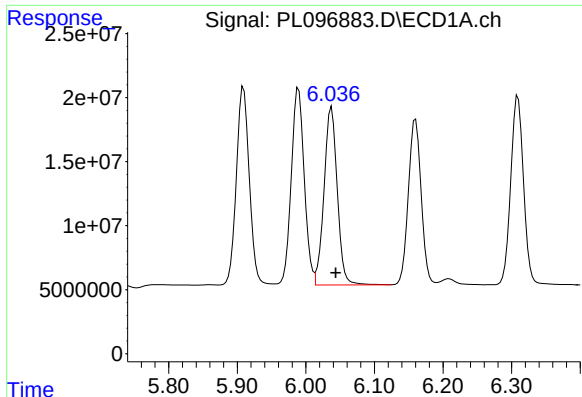
#8 Heptachlor epoxide

R.T.: 5.655 min
Delta R.T.: -0.008 min
Response: 203092232
Conc: 52.66 ng/ml



#8 Heptachlor epoxide

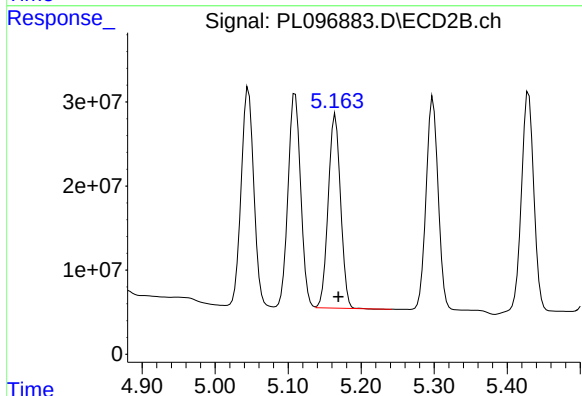
R.T.: 4.794 min
Delta R.T.: -0.005 min
Response: 298847063
Conc: 52.33 ng/ml



#9 Endosulfan I

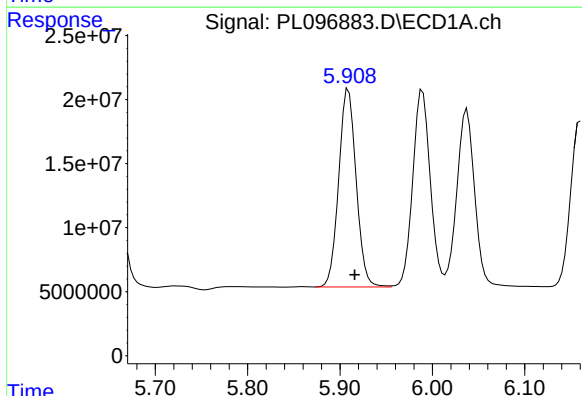
R.T.: 6.037 min
Delta R.T.: -0.006 min
Response: 186180275
Conc: 51.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



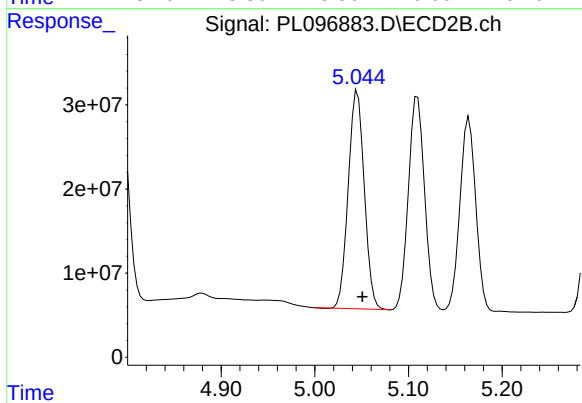
#9 Endosulfan I

R.T.: 5.165 min
Delta R.T.: -0.004 min
Response: 270594793
Conc: 48.92 ng/ml



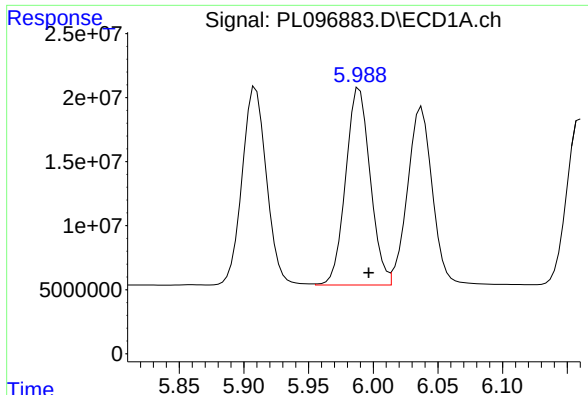
#10 gamma-Chlordane

R.T.: 5.909 min
Delta R.T.: -0.007 min
Response: 203111093
Conc: 53.38 ng/ml



#10 gamma-Chlordane

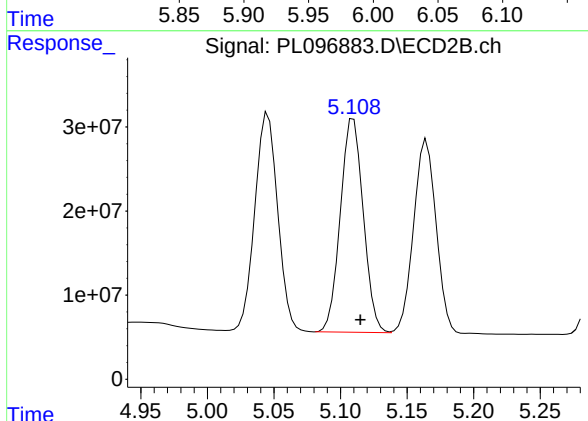
R.T.: 5.045 min
Delta R.T.: -0.006 min
Response: 309399514
Conc: 52.62 ng/ml



#11 alpha-Chlordane

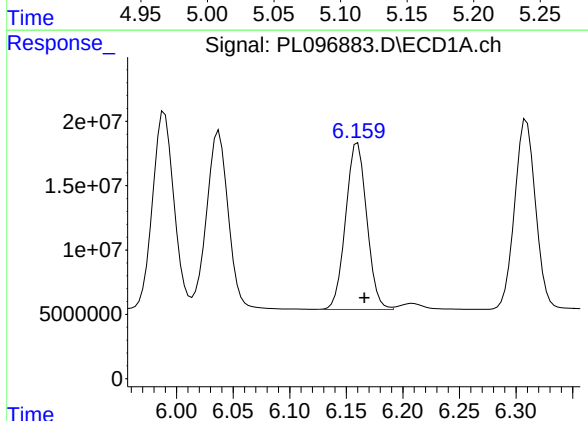
R.T.: 5.989 min
Delta R.T.: -0.007 min
Response: 202635869
Conc: 52.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



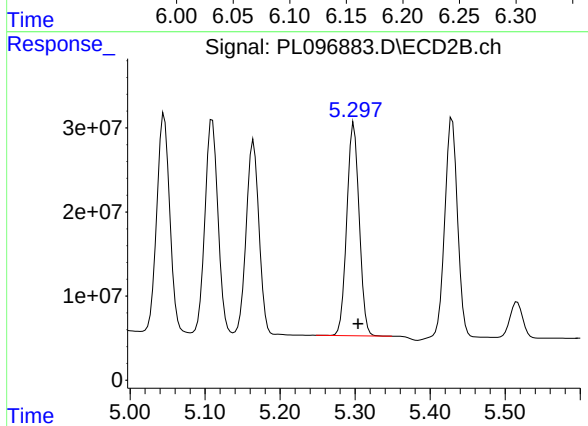
#11 alpha-Chlordane

R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 304797223
Conc: 51.67 ng/ml



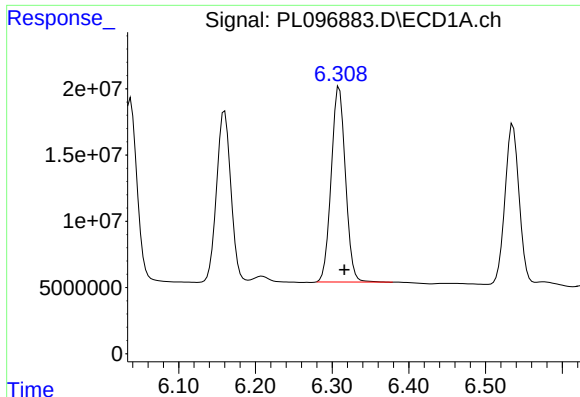
#12 4,4'-DDE

R.T.: 6.160 min
Delta R.T.: -0.006 min
Response: 168352423
Conc: 52.43 ng/ml



#12 4,4'-DDE

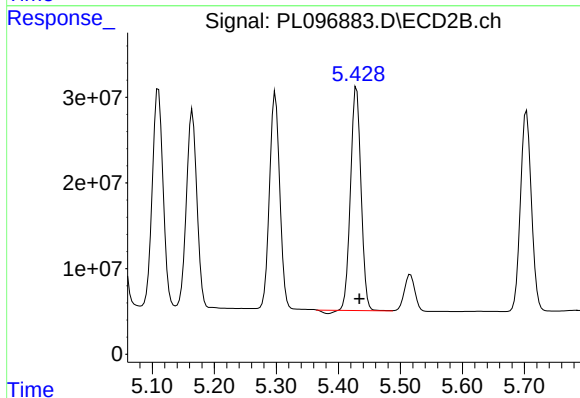
R.T.: 5.298 min
Delta R.T.: -0.006 min
Response: 289908511
Conc: 52.57 ng/ml



#13 Dieldrin

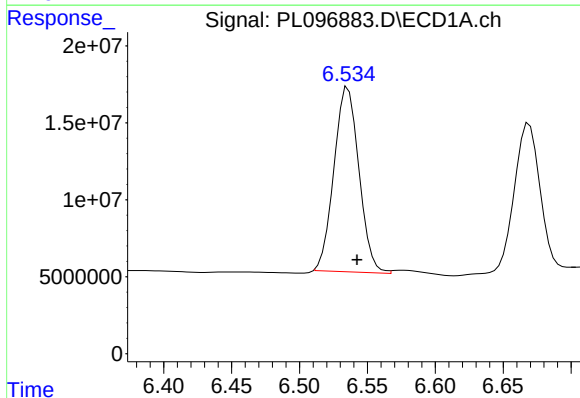
R.T.: 6.309 min
Delta R.T.: -0.007 min
Response: 189828288
Conc: 51.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



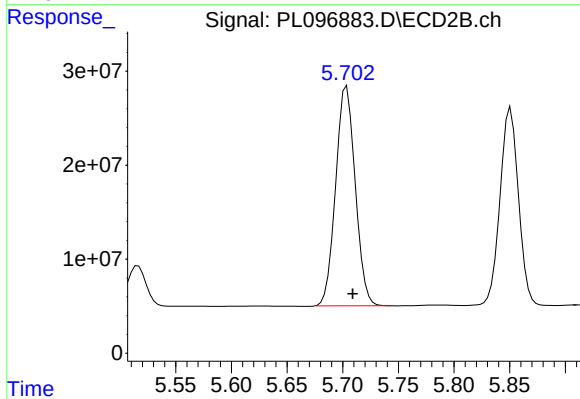
#13 Dieldrin

R.T.: 5.429 min
Delta R.T.: -0.005 min
Response: 303421551
Conc: 51.37 ng/ml



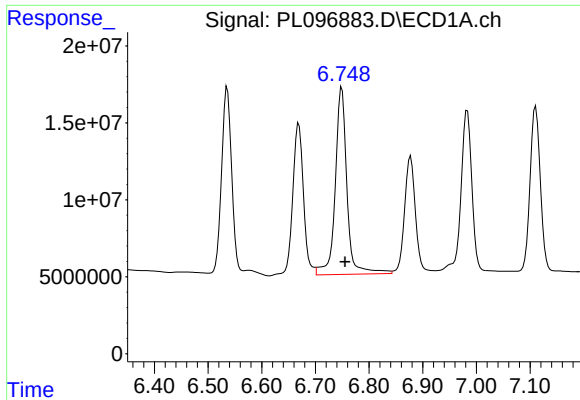
#14 Endrin

R.T.: 6.536 min
Delta R.T.: -0.007 min
Response: 153478815
Conc: 50.71 ng/ml



#14 Endrin

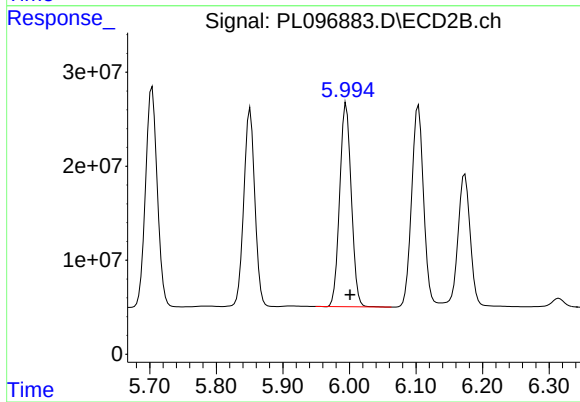
R.T.: 5.704 min
Delta R.T.: -0.005 min
Response: 285859722
Conc: 52.88 ng/ml



#15 Endosulfan II

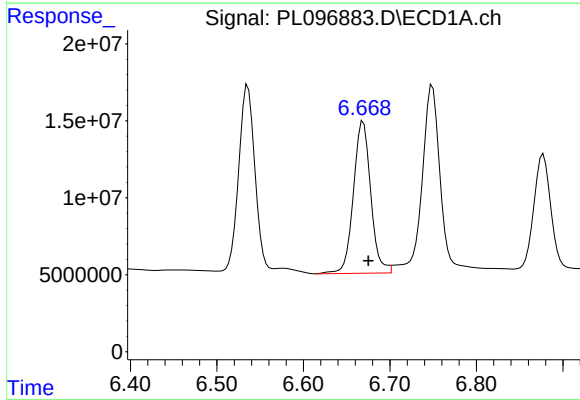
R.T.: 6.749 min
Delta R.T.: -0.006 min
Response: 184671779
Conc: 57.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



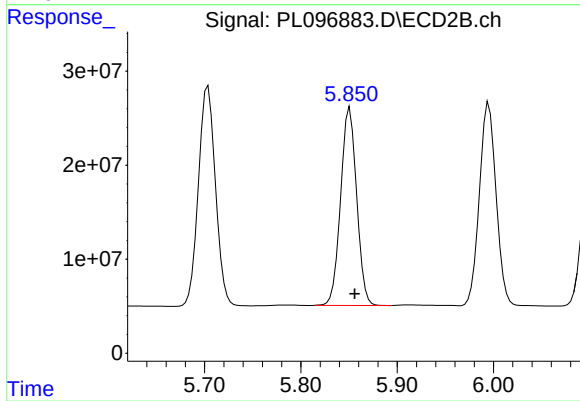
#15 Endosulfan II

R.T.: 5.995 min
Delta R.T.: -0.006 min
Response: 260701440
Conc: 50.76 ng/ml



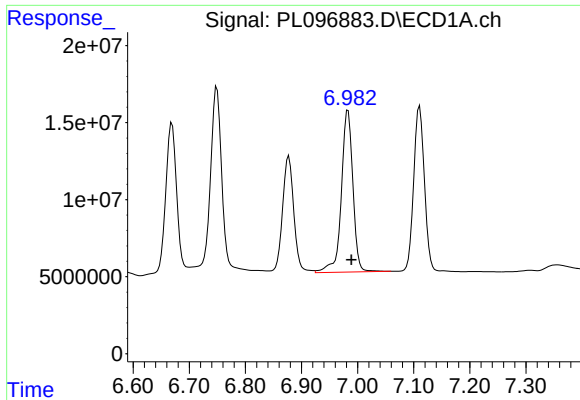
#16 4,4'-DDD

R.T.: 6.669 min
Delta R.T.: -0.006 min
Response: 137681415
Conc: 54.45 ng/ml



#16 4,4'-DDD

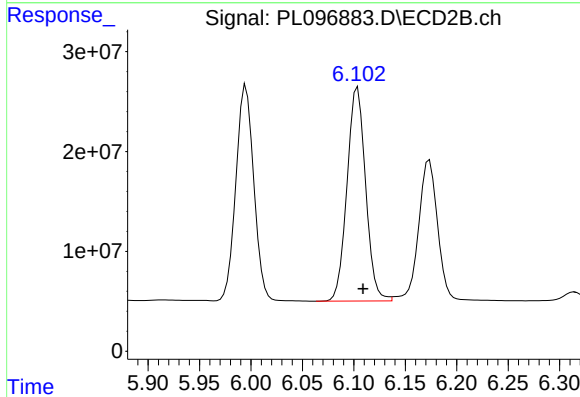
R.T.: 5.851 min
Delta R.T.: -0.005 min
Response: 242394830
Conc: 51.52 ng/ml



#17 4,4'-DDT

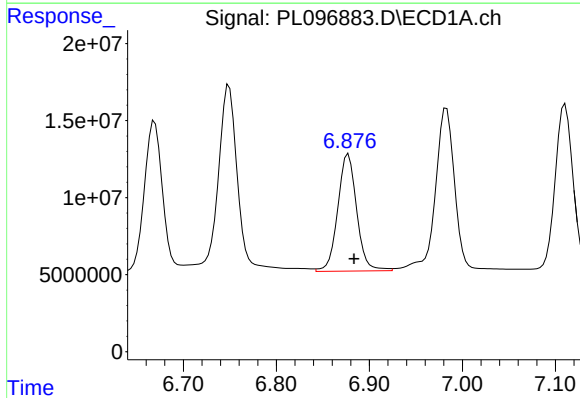
R.T.: 6.983 min
Delta R.T.: -0.006 min
Response: 150097513
Conc: 52.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



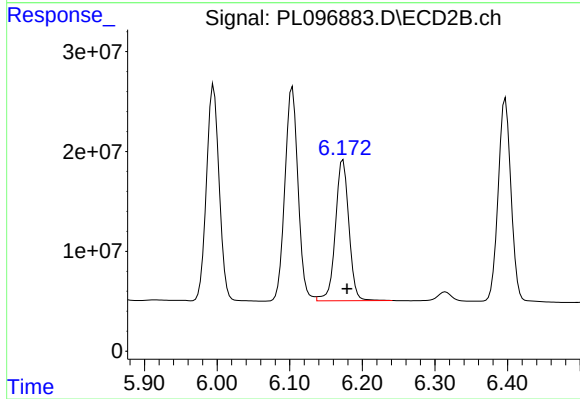
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 269558197
Conc: 53.29 ng/ml



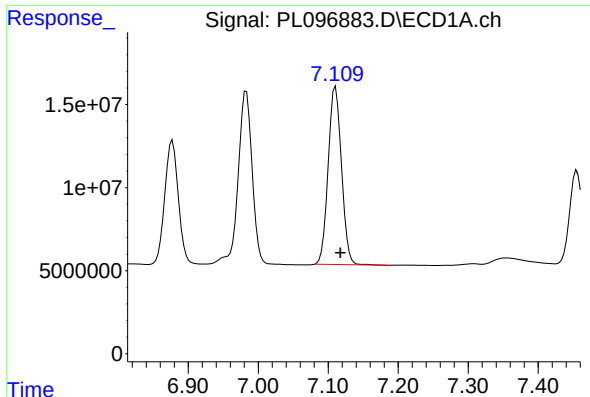
#18 Endrin aldehyde

R.T.: 6.877 min
Delta R.T.: -0.006 min
Response: 107420102
Conc: 50.06 ng/ml



#18 Endrin aldehyde

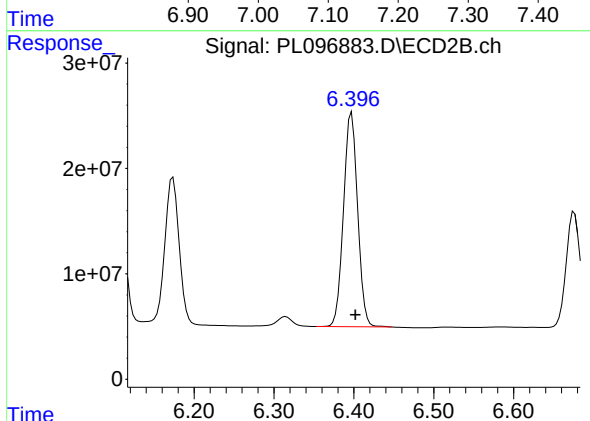
R.T.: 6.174 min
Delta R.T.: -0.005 min
Response: 182089817
Conc: 50.09 ng/ml



#19 Endosulfan Sulfate

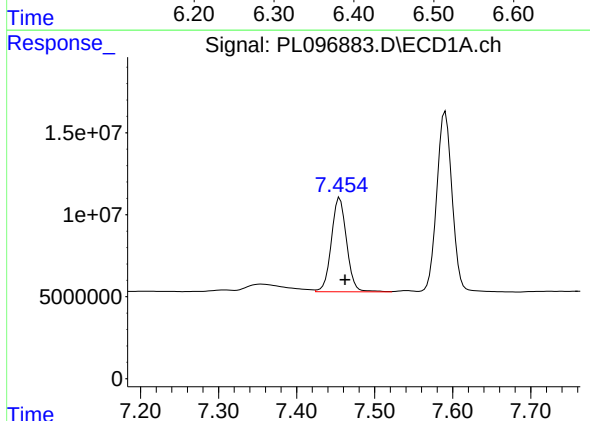
R.T.: 7.111 min
Delta R.T.: -0.007 min
Response: 141477666
Conc: 49.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



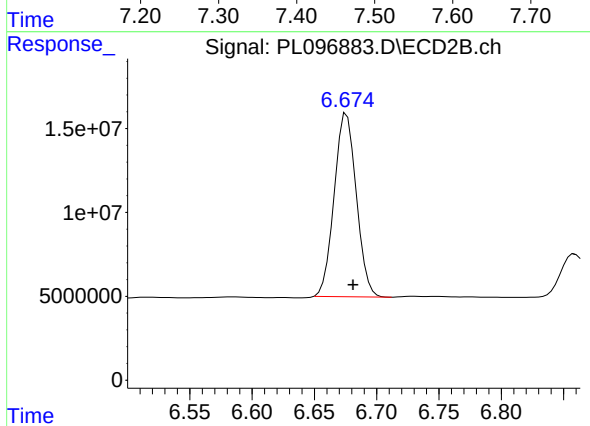
#19 Endosulfan Sulfate

R.T.: 6.397 min
Delta R.T.: -0.005 min
Response: 249546845
Conc: 49.06 ng/ml



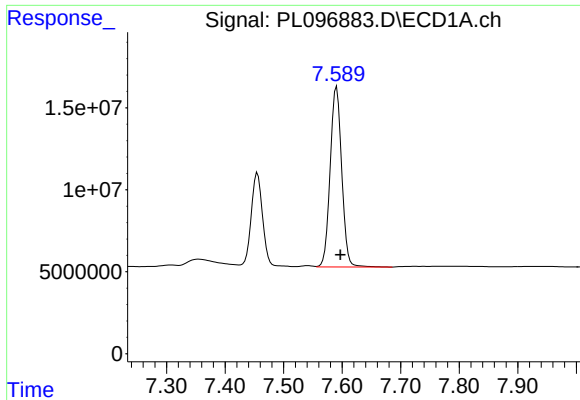
#20 Methoxychlor

R.T.: 7.455 min
Delta R.T.: -0.007 min
Response: 77903392
Conc: 53.05 ng/ml



#20 Methoxychlor

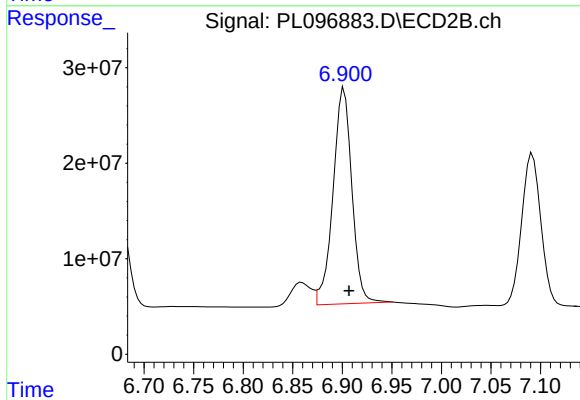
R.T.: 6.676 min
Delta R.T.: -0.005 min
Response: 135489493
Conc: 49.44 ng/ml



#21 Endrin ketone

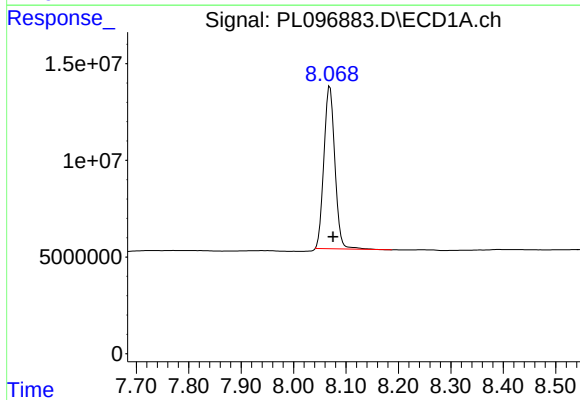
R.T.: 7.591 min
Delta R.T.: -0.006 min
Response: 150485214
Conc: 50.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



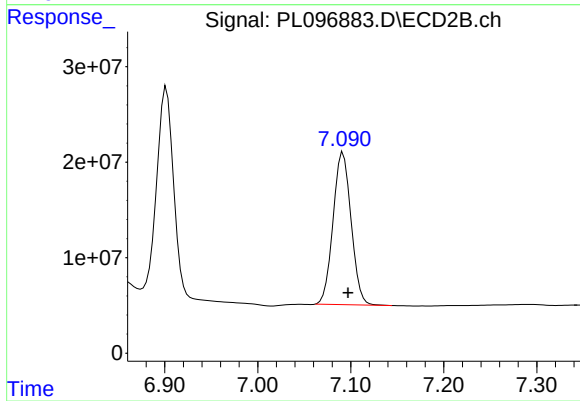
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 298808425
Conc: 53.65 ng/ml



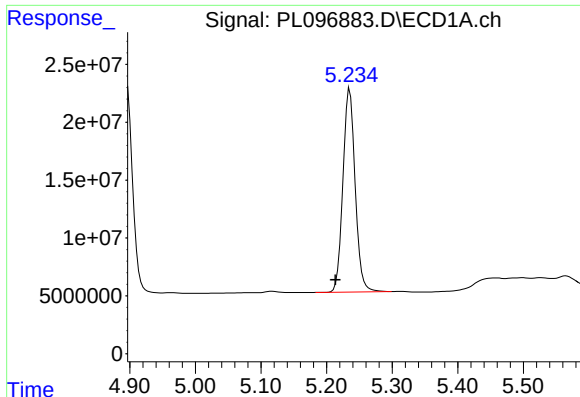
#22 Mirex

R.T.: 8.069 min
Delta R.T.: -0.006 min
Response: 122181734
Conc: 49.28 ng/ml



#22 Mirex

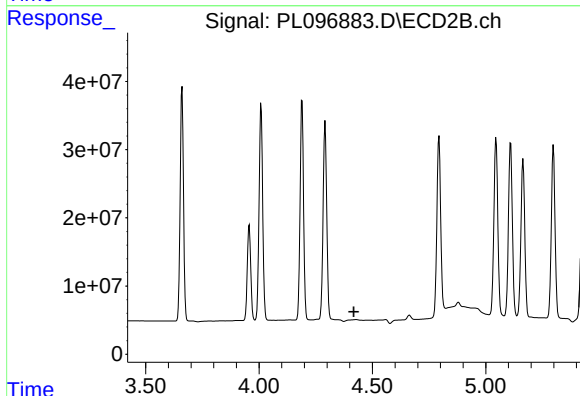
R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 215128947
Conc: 49.33 ng/ml



#24 Chlordane-2

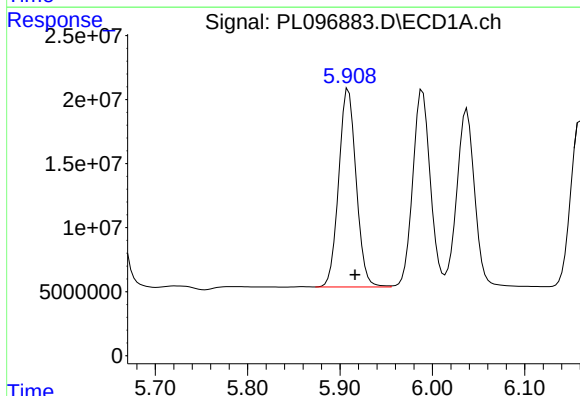
R.T.: 5.235 min
Delta R.T.: 0.022 min
Response: 227541406
Conc: 1300.19 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



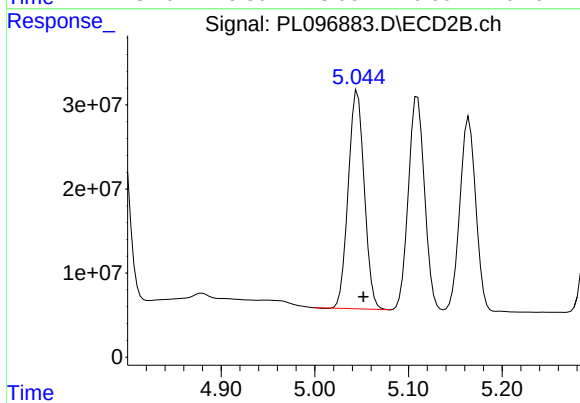
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.418 min
Response: 0
Conc: N.D.



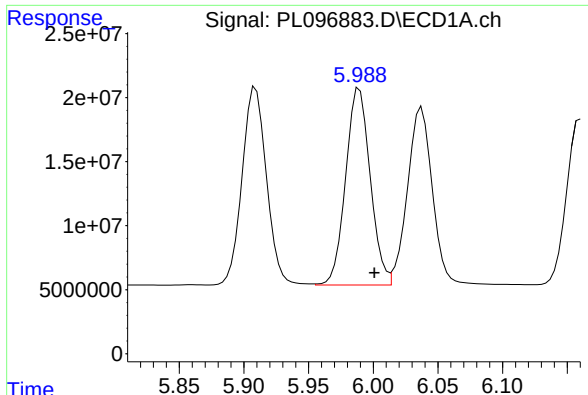
#25 Chlordane-3

R.T.: 5.909 min
Delta R.T.: -0.007 min
Response: 203111093
Conc: 304.09 ng/ml



#25 Chlordane-3

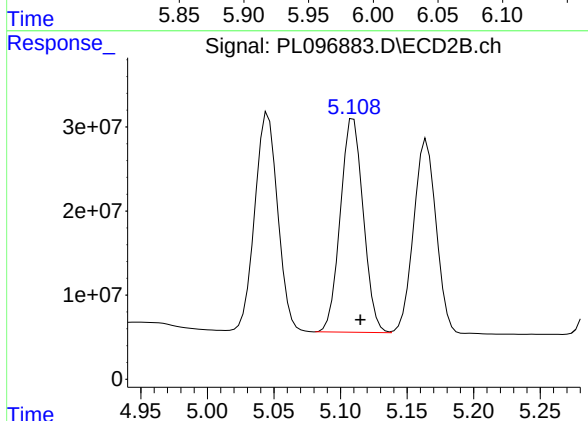
R.T.: 5.045 min
Delta R.T.: -0.007 min
Response: 309399514
Conc: 444.99 ng/ml



#26 Chlordane-4

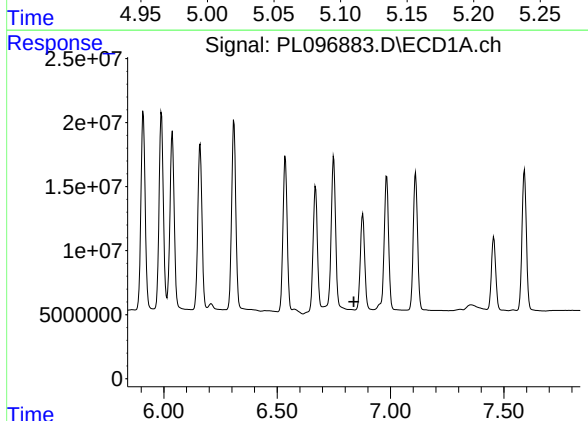
R.T.: 5.989 min
Delta R.T.: -0.012 min
Response: 202635869
Conc: 244.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



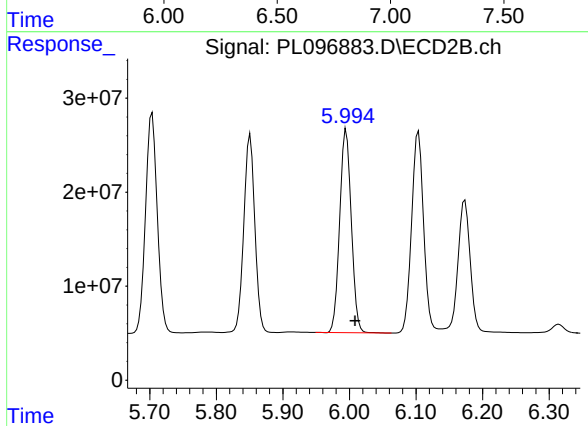
#26 Chlordane-4

R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 304797223
Conc: 489.77 ng/ml



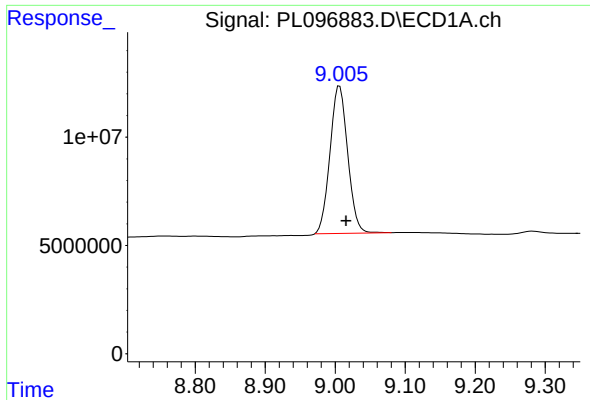
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.838 min
Response: 0
Conc: N.D.



#27 Chlordane-5

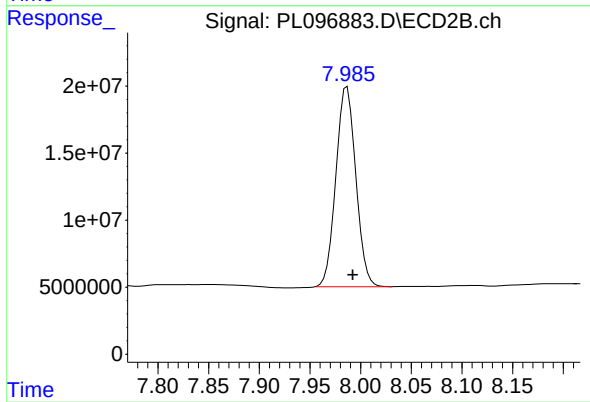
R.T.: 5.995 min
Delta R.T.: -0.013 min
Response: 260701440
Conc: 1021.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.006 min
Delta R.T.: -0.009 min
Response: 119588924
Conc: 50.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 204201924
Conc: 47.07 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
 Data File : PL096884.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 12:51
 Operator : AR\AJ
 Sample : Q2879-13
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-TS-GRILLO-TSCP09-081425

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 20 01:36:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.529	2.822	41697374	60149451	13.109	12.589
28)	SA Decachlor...	9.009	7.986	38286540	62834777	16.055	14.484
Target Compounds							
4)	MA Heptachlor	4.922f	4.007	30191485	3572320	7.265	0.536 #
5)	MB Aldrin	5.261f	4.299	27195191	541804	6.323	0.087 #
8)	B Heptachlo...	5.648	0.000	63312124	0	16.417	N.D. #
10)	B gamma-Chl...	5.911	5.044	113.0E6	60342563	29.704	10.262 #
11)	B alpha-Chl...	5.995	5.109	161.0E6	109.6E6	41.768	18.577 #
12)	B 4,4'-DDE	6.161	5.298	97813183	136.7E6	30.460	24.790
13)	MA Dieldrin	0.000	5.429	0	10784907	N.D.	1.826 #
14)	MA Endrin	6.537	5.712	8938273	64931889	2.953	12.011 #
15)	B Endosulfa...	0.000	6.002	0	32852429	N.D.	6.396 #
16)	A 4,4'-DDD	6.683	5.850	69039460	12106504	27.306	2.573 #
17)	MA 4,4'-DDT	6.984	6.102	48695112	84884106	16.981	16.781
23)	Chlordane-1	4.683	3.831	7477369	18374299	43.955	87.648 #
24)	Chlordane-2	5.204	4.413	111.0E6	34278899	634.379	141.303 #
25)	Chlordane-3	5.911	5.044	113.0E6	60342563	169.222	86.786 #
26)	Chlordane-4	5.995	5.109	161.0E6	109.6E6	194.515	176.086
27)	Chlordane-5	6.832	6.002	17229613	32852429	130.385	128.777

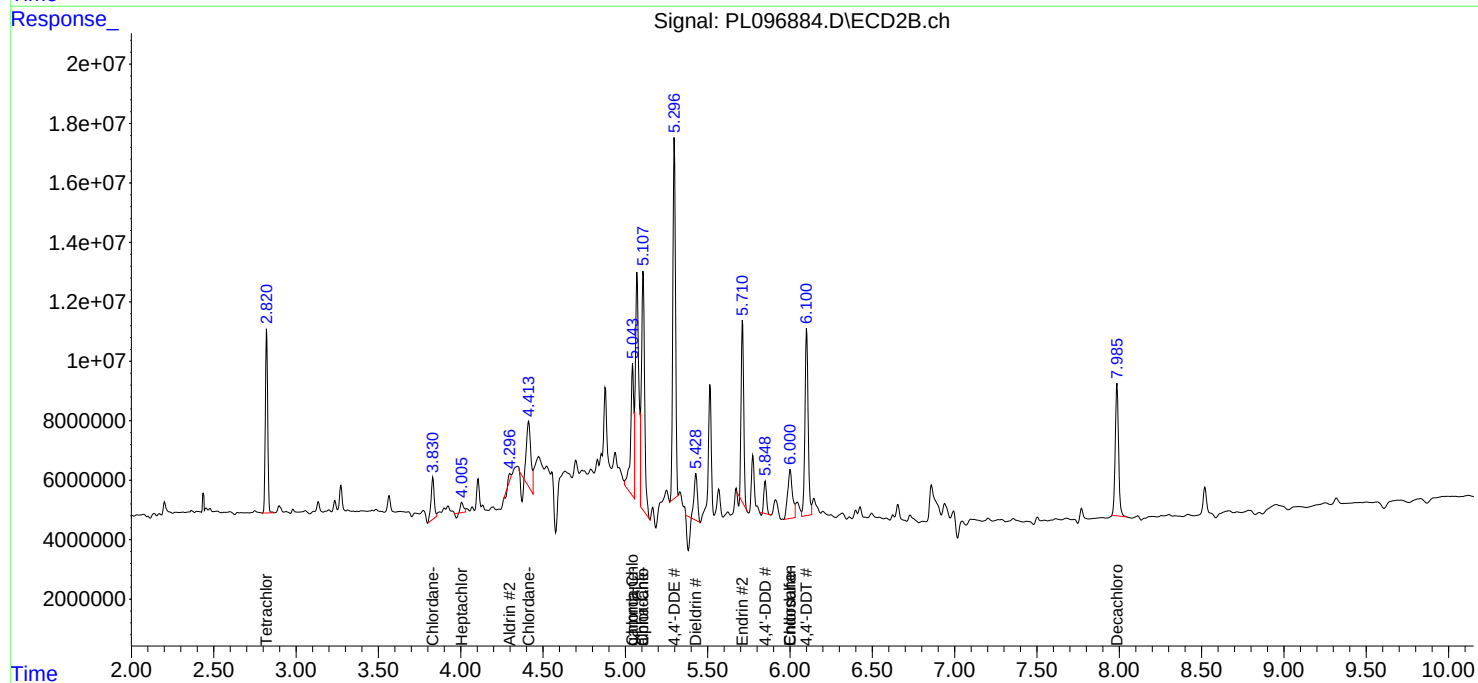
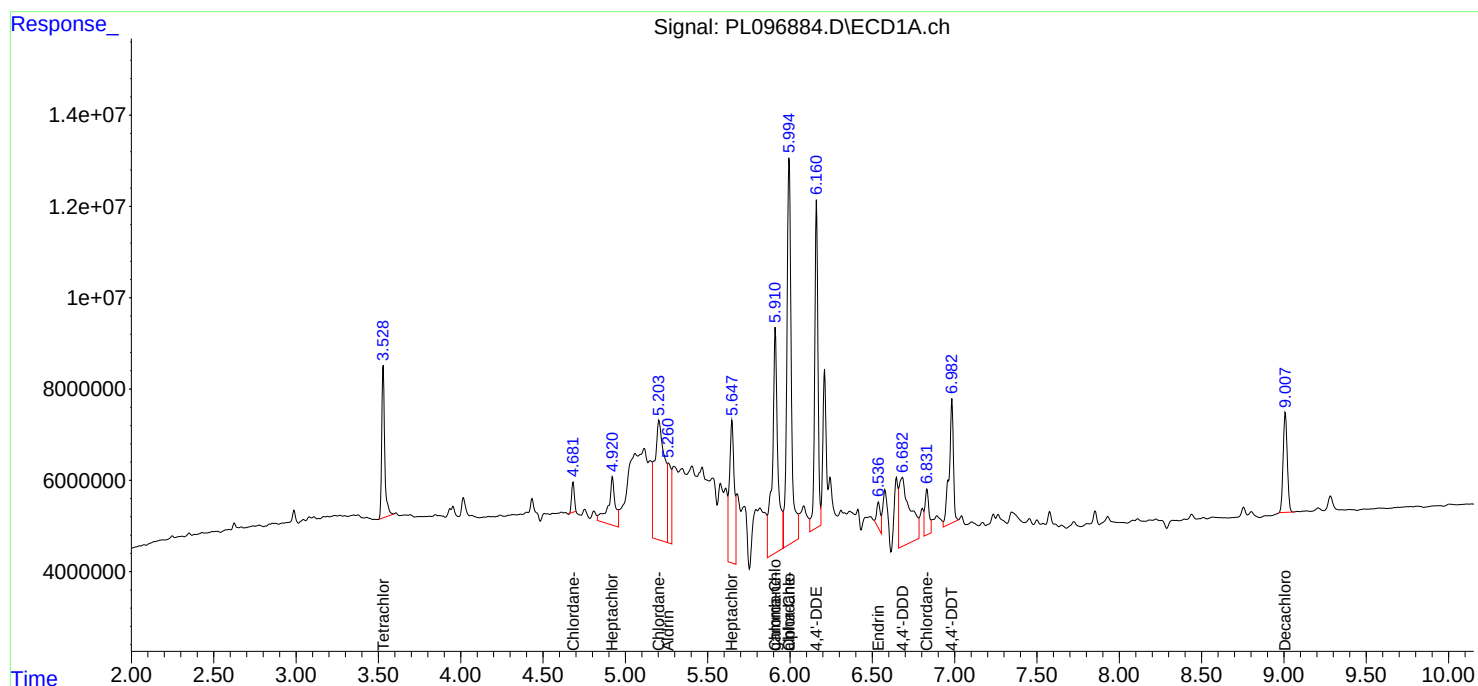
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

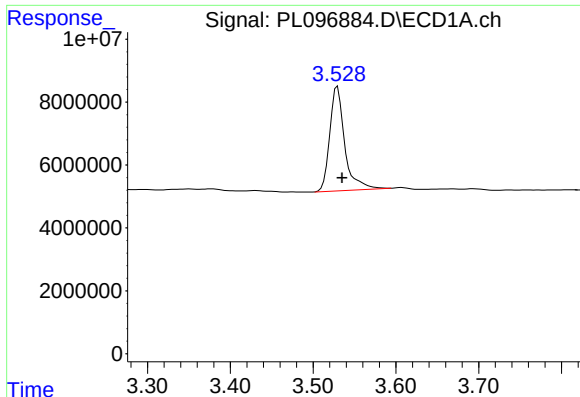
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
Data File : PL096884.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 12:51
Operator : AR\AJ
Sample : Q2879-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 01:36:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

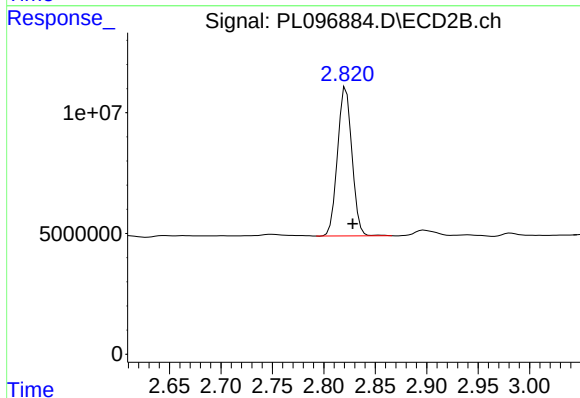




#1 Tetrachloro-m-xylene

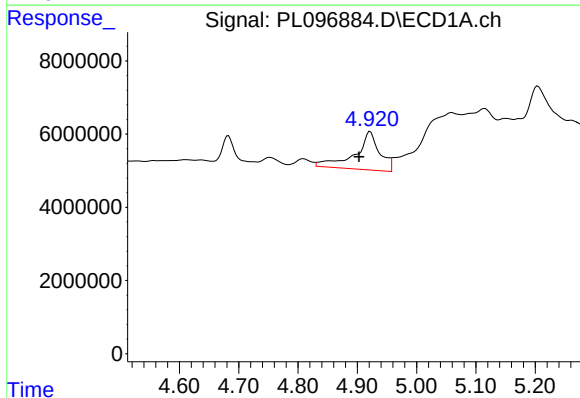
R.T.: 3.529 min
Delta R.T.: -0.006 min
Response: 41697374
Conc: 13.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425



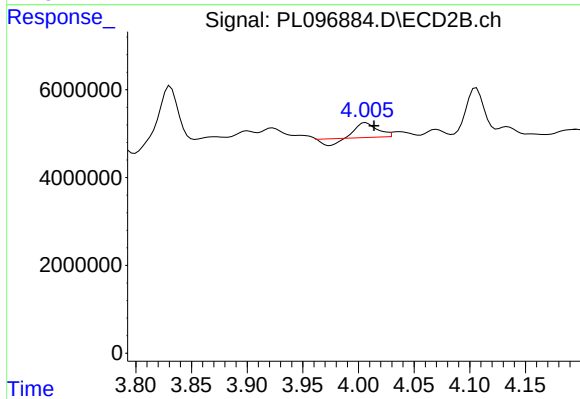
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.006 min
Response: 60149451
Conc: 12.59 ng/ml



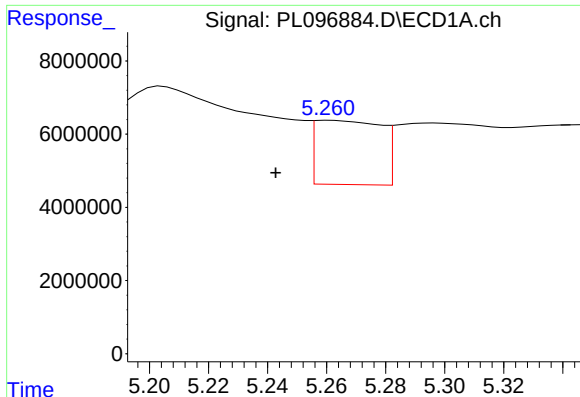
#4 Heptachlor

R.T.: 4.922 min
Delta R.T.: 0.019 min
Response: 30191485
Conc: 7.27 ng/ml



#4 Heptachlor

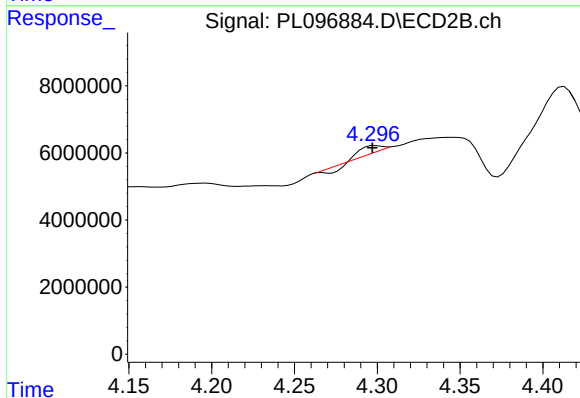
R.T.: 4.007 min
Delta R.T.: -0.007 min
Response: 3572320
Conc: 0.54 ng/ml



#5 Aldrin

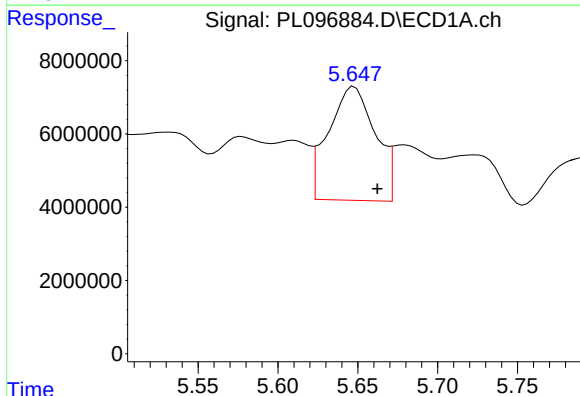
R.T.: 5.261 min
Delta R.T.: 0.018 min
Response: 27195191
Conc: 6.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425



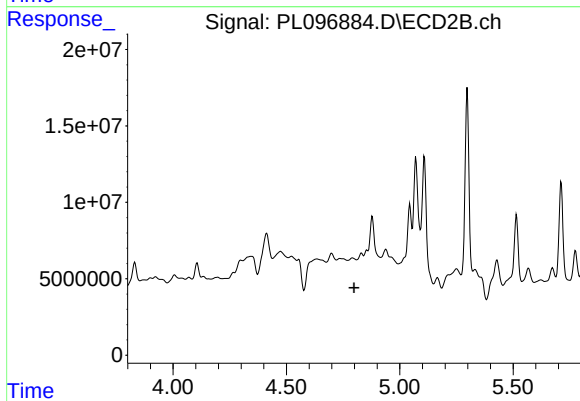
#5 Aldrin

R.T.: 4.299 min
Delta R.T.: 0.002 min
Response: 541804
Conc: 0.09 ng/ml



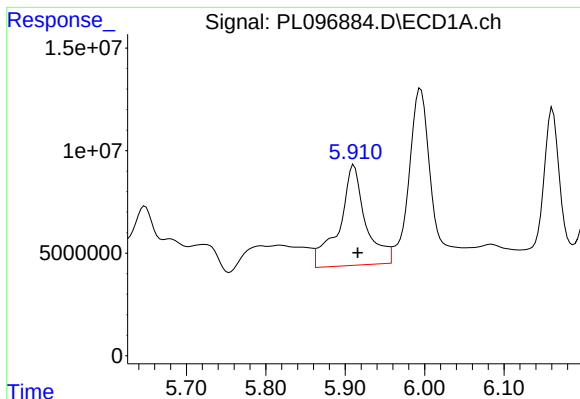
#8 Heptachlor epoxide

R.T.: 5.648 min
Delta R.T.: -0.014 min
Response: 63312124
Conc: 16.42 ng/ml



#8 Heptachlor epoxide

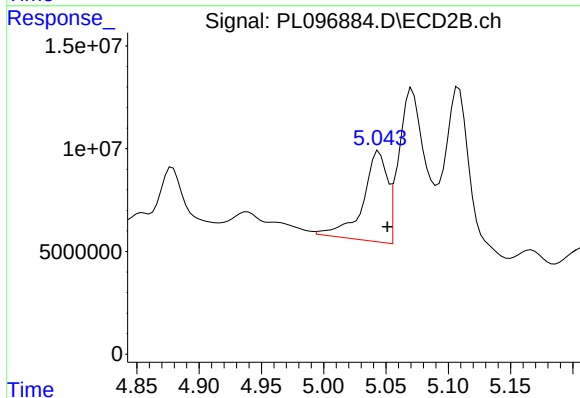
R.T.: 0.000 min
Exp R.T. : 4.799 min
Response: 0
Conc: N.D.



#10 gamma-Chlordane

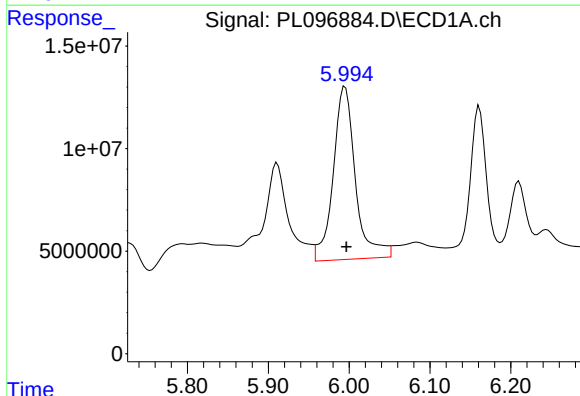
R.T.: 5.911 min
Delta R.T.: -0.005 min
Response: 113029442
Conc: 29.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425



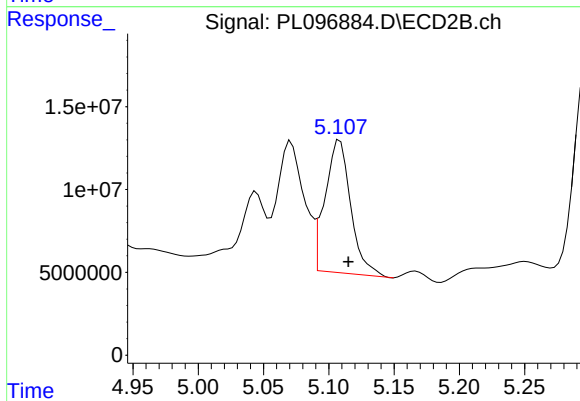
#10 gamma-Chlordane

R.T.: 5.044 min
Delta R.T.: -0.007 min
Response: 60342563
Conc: 10.26 ng/ml



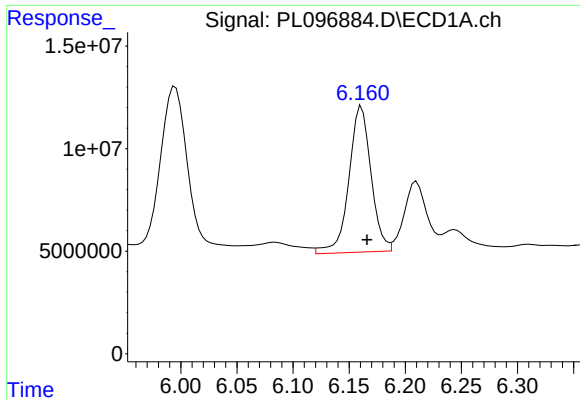
#11 alpha-Chlordane

R.T.: 5.995 min
Delta R.T.: -0.002 min
Response: 160999818
Conc: 41.77 ng/ml



#11 alpha-Chlordane

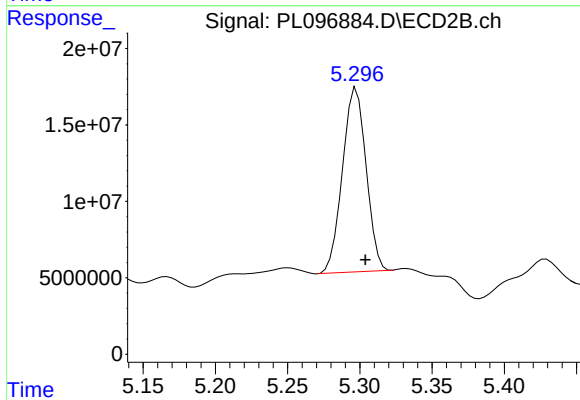
R.T.: 5.109 min
Delta R.T.: -0.006 min
Response: 109583827
Conc: 18.58 ng/ml



#12 4,4'-DDE

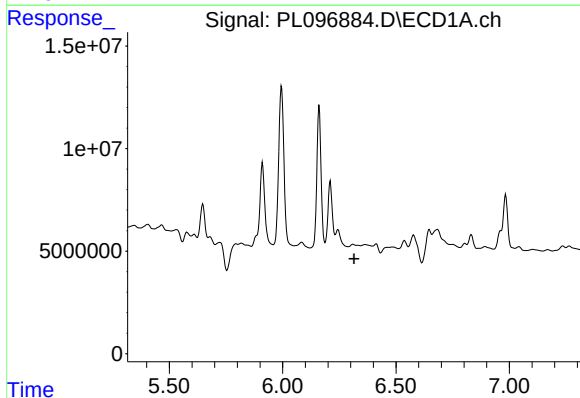
R.T.: 6.161 min
Delta R.T.: -0.005 min
Response: 97813183
Conc: 30.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425



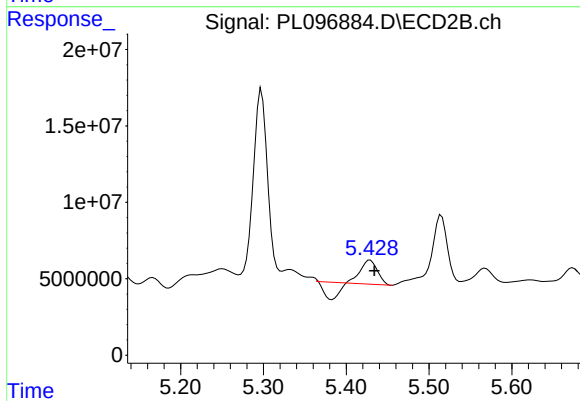
#12 4,4'-DDE

R.T.: 5.298 min
Delta R.T.: -0.006 min
Response: 136701054
Conc: 24.79 ng/ml



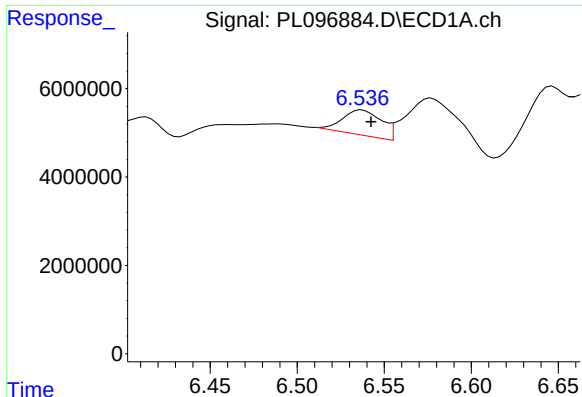
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.316 min
Response: 0
Conc: N.D.



#13 Dieldrin

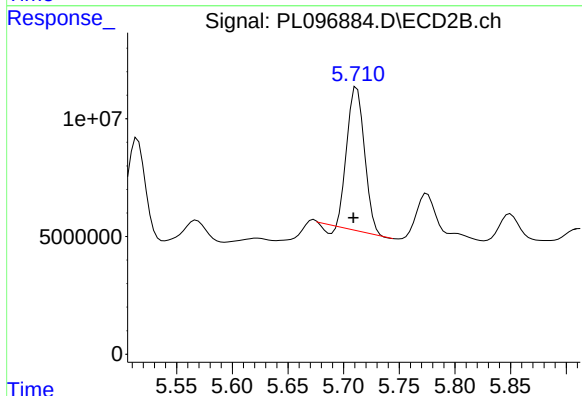
R.T.: 5.429 min
Delta R.T.: -0.005 min
Response: 10784907
Conc: 1.83 ng/ml



#14 Endrin

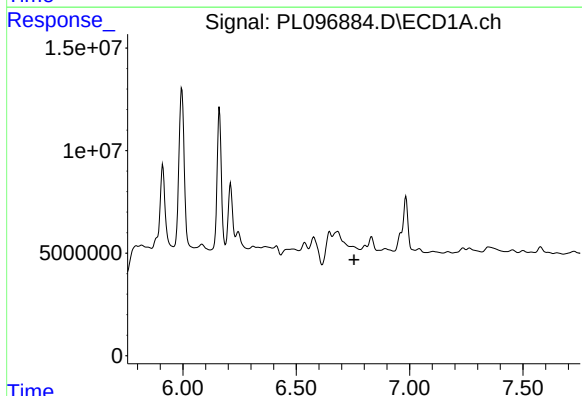
R.T.: 6.537 min
Delta R.T.: -0.005 min
Response: 8938273
Conc: 2.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425



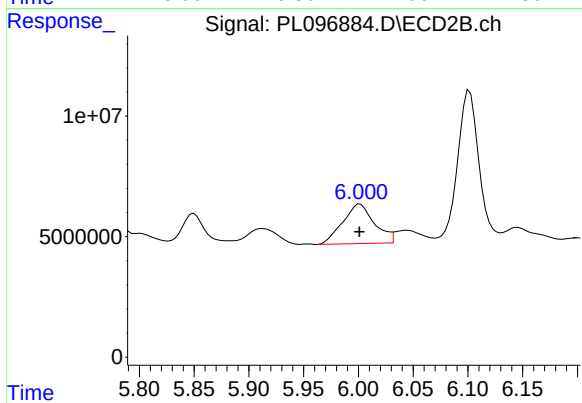
#14 Endrin

R.T.: 5.712 min
Delta R.T.: 0.003 min
Response: 64931889
Conc: 12.01 ng/ml



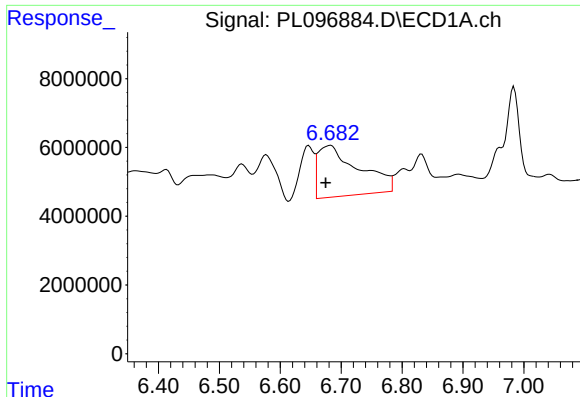
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.755 min
Response: 0
Conc: N.D.



#15 Endosulfan II

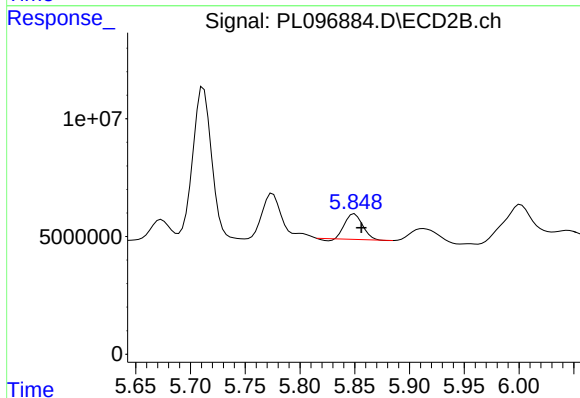
R.T.: 6.002 min
Delta R.T.: 0.000 min
Response: 32852429
Conc: 6.40 ng/ml



#16 4,4'-DDD

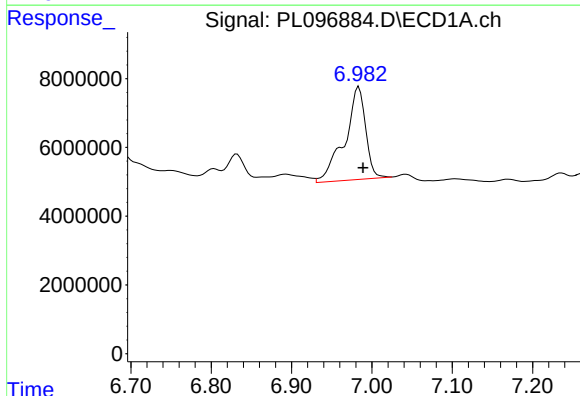
R.T.: 6.683 min
Delta R.T.: 0.008 min
Response: 69039460
Conc: 27.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425



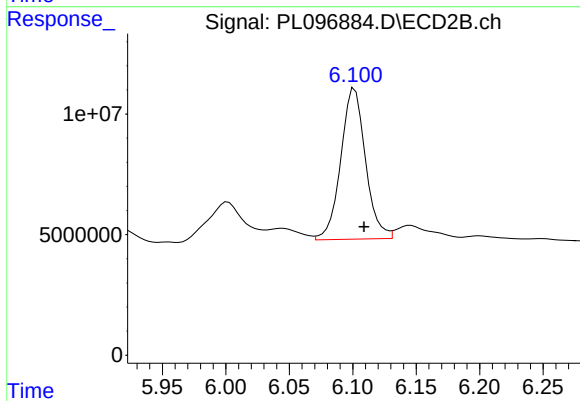
#16 4,4'-DDD

R.T.: 5.850 min
Delta R.T.: -0.006 min
Response: 12106504
Conc: 2.57 ng/ml



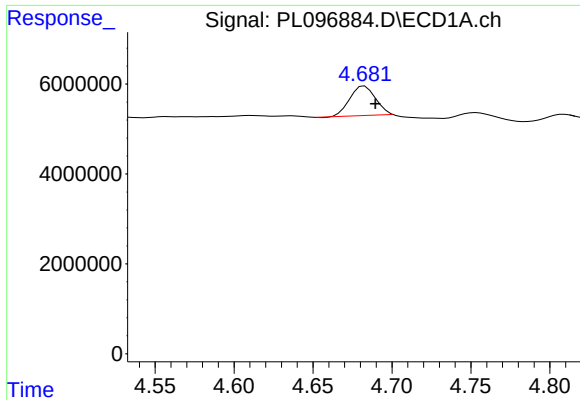
#17 4,4'-DDT

R.T.: 6.984 min
Delta R.T.: -0.005 min
Response: 48695112
Conc: 16.98 ng/ml



#17 4,4'-DDT

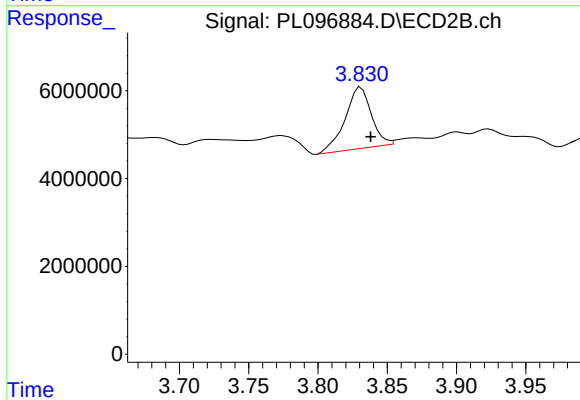
R.T.: 6.102 min
Delta R.T.: -0.007 min
Response: 84884106
Conc: 16.78 ng/ml



#23 Chlordane-1

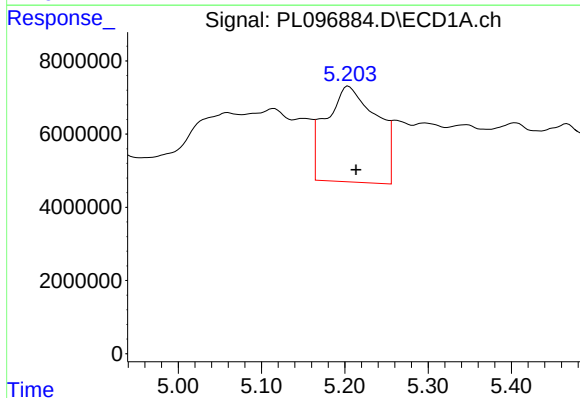
R.T.: 4.683 min
Delta R.T.: -0.007 min
Response: 7477369
Conc: 43.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425



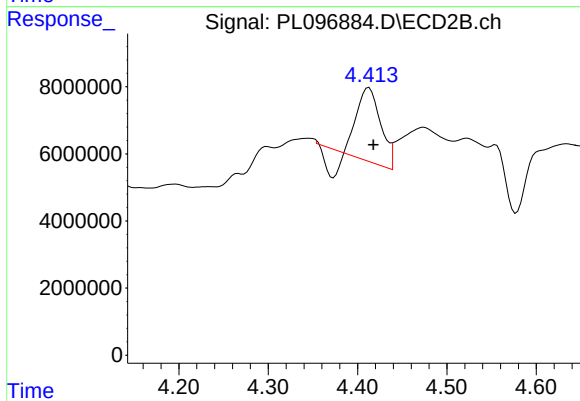
#23 Chlordane-1

R.T.: 3.831 min
Delta R.T.: -0.007 min
Response: 18374299
Conc: 87.65 ng/ml



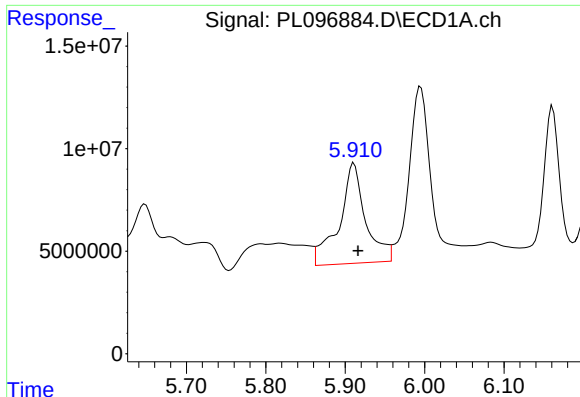
#24 Chlordane-2

R.T.: 5.204 min
Delta R.T.: -0.009 min
Response: 111020609
Conc: 634.38 ng/ml



#24 Chlordane-2

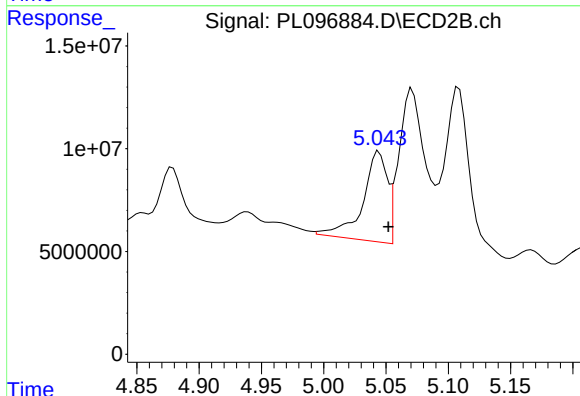
R.T.: 4.413 min
Delta R.T.: -0.005 min
Response: 34278899
Conc: 141.30 ng/ml



#25 Chlordane-3

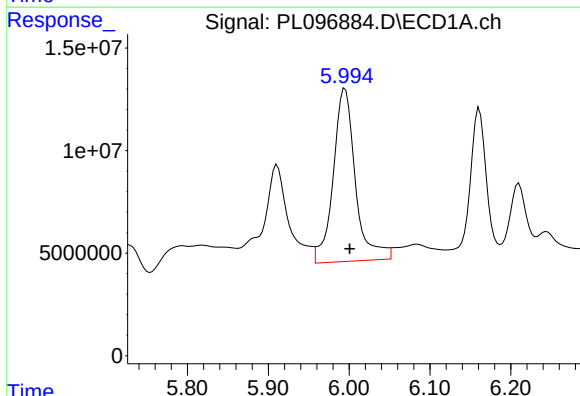
R.T.: 5.911 min
Delta R.T.: -0.005 min
Response: 113029442
Conc: 169.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425



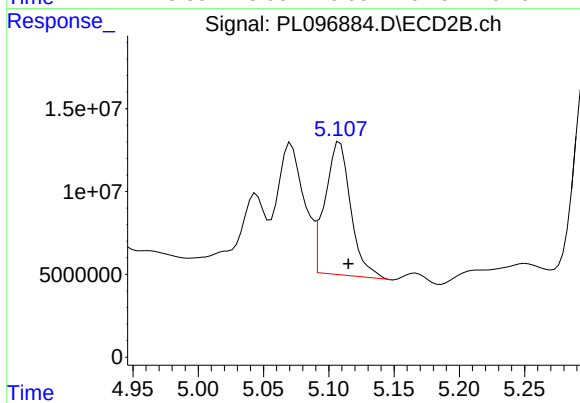
#25 Chlordane-3

R.T.: 5.044 min
Delta R.T.: -0.008 min
Response: 60342563
Conc: 86.79 ng/ml



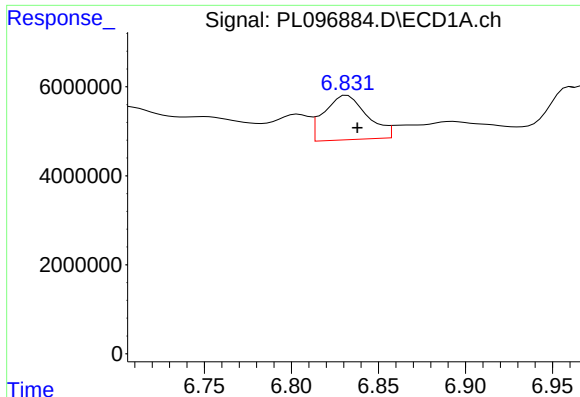
#26 Chlordane-4

R.T.: 5.995 min
Delta R.T.: -0.006 min
Response: 160999818
Conc: 194.52 ng/ml



#26 Chlordane-4

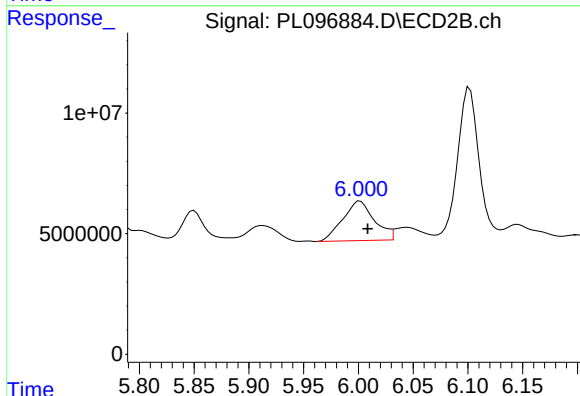
R.T.: 5.109 min
Delta R.T.: -0.006 min
Response: 109583827
Conc: 176.09 ng/ml



#27 Chlordane-5

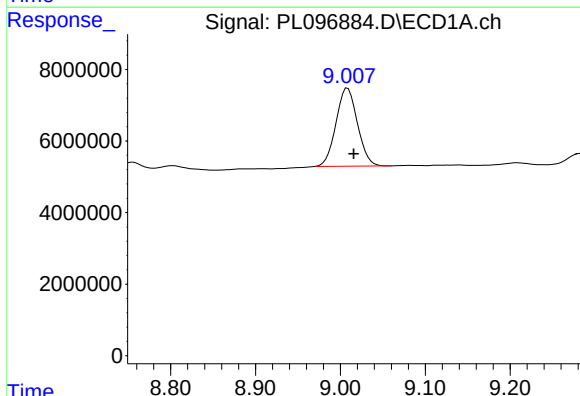
R.T.: 6.832 min
Delta R.T.: -0.006 min
Response: 17229613
Conc: 130.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425



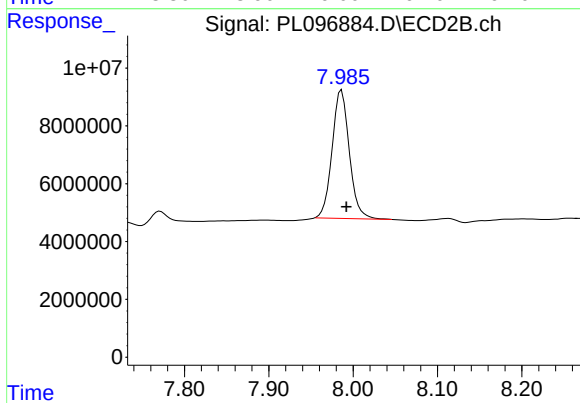
#27 Chlordane-5

R.T.: 6.002 min
Delta R.T.: -0.007 min
Response: 32852429
Conc: 128.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.009 min
Delta R.T.: -0.007 min
Response: 38286540
Conc: 16.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 62834777
Conc: 14.48 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
 Data File : PL096885.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 13:04
 Operator : AR\AJ
 Sample : Q2879-15
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-TS-GRILLO-TSCP10-081425

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 20 01:36:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.530	2.824	48854269	66109706	15.359	13.837
28)	SA Decachlor...	9.004	7.985	40093838	66229862	16.813	15.266
Target Compounds							
4)	MA Heptachlor	4.921f	4.009	22482789	6989564	5.410	1.049 #
8)	B Heptachlo...	5.645f	0.000	34675383	0	8.991	N.D. #
10)	B gamma-Chl...	5.909	5.045	89333091	63494570	23.476	10.798 #
11)	B alpha-Chl...	5.993	5.109	152.0E6	114.7E6	39.437	19.446 #
12)	B 4,4'-DDE	6.159	5.298	94061912	140.6E6	29.291	25.504
13)	MA Dieldrin	0.000	5.430	0	27387328	N.D.	4.637 #
14)	MA Endrin	6.535	5.713	5993457	20351579	1.980	3.765 #
15)	B Endosulfa...	0.000	6.002	0	22480714	N.D.	4.377 #
16)	A 4,4'-DDD	6.678	5.850	31302405	13341384	12.380	2.835 #
17)	MA 4,4'-DDT	6.981	6.102	49430363	80312943	17.237	15.877
18)	B Endrin al...	0.000	6.150f	0	9273431	N.D.	2.551 #
23)	Chlordane-1	4.682	3.833	9452370	19896473	55.565	94.909 #
24)	Chlordane-2	5.204	4.415	35534800	28778961	203.048	118.632 #
25)	Chlordane-3	5.909	5.045	89333091	63494570	133.745	91.319 #
26)	Chlordane-4	5.993	5.109	152.0E6	114.7E6	183.660	184.321
27)	Chlordane-5	6.830	6.002	14146786	22480714	107.056	88.121

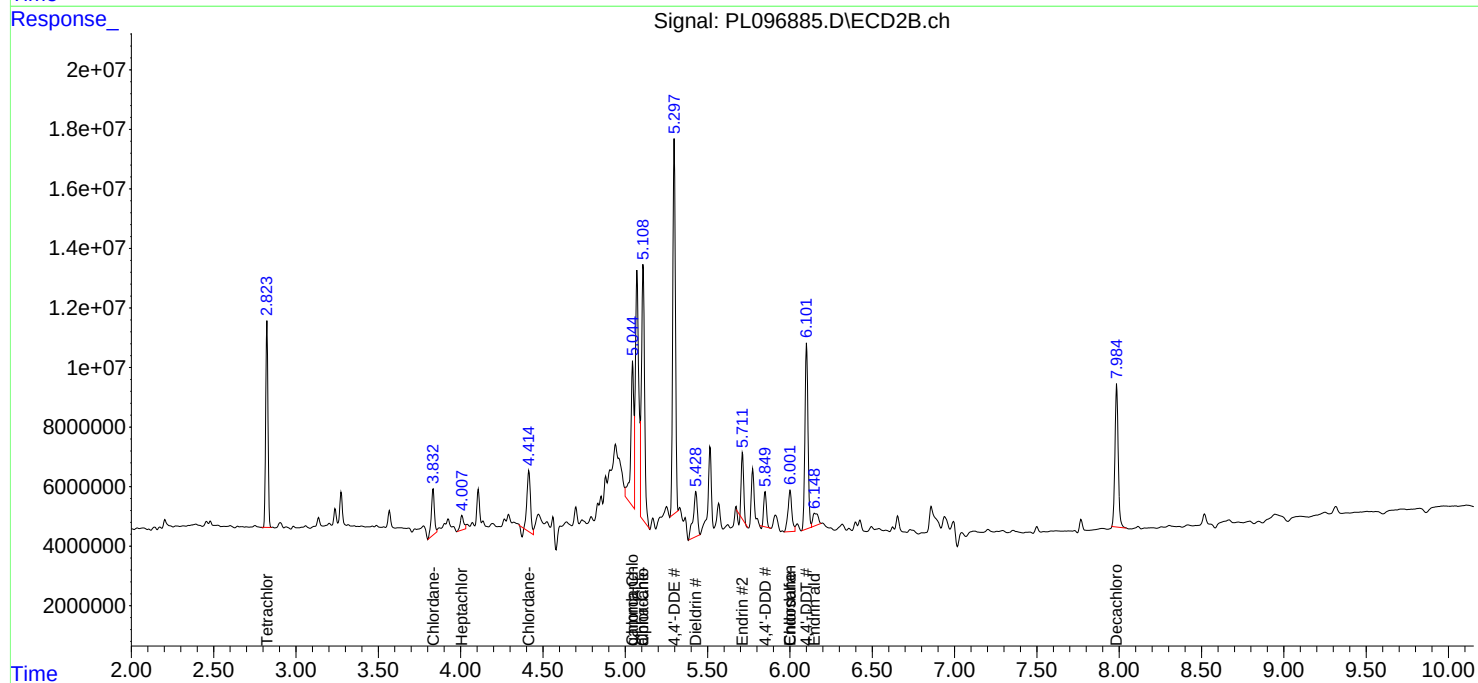
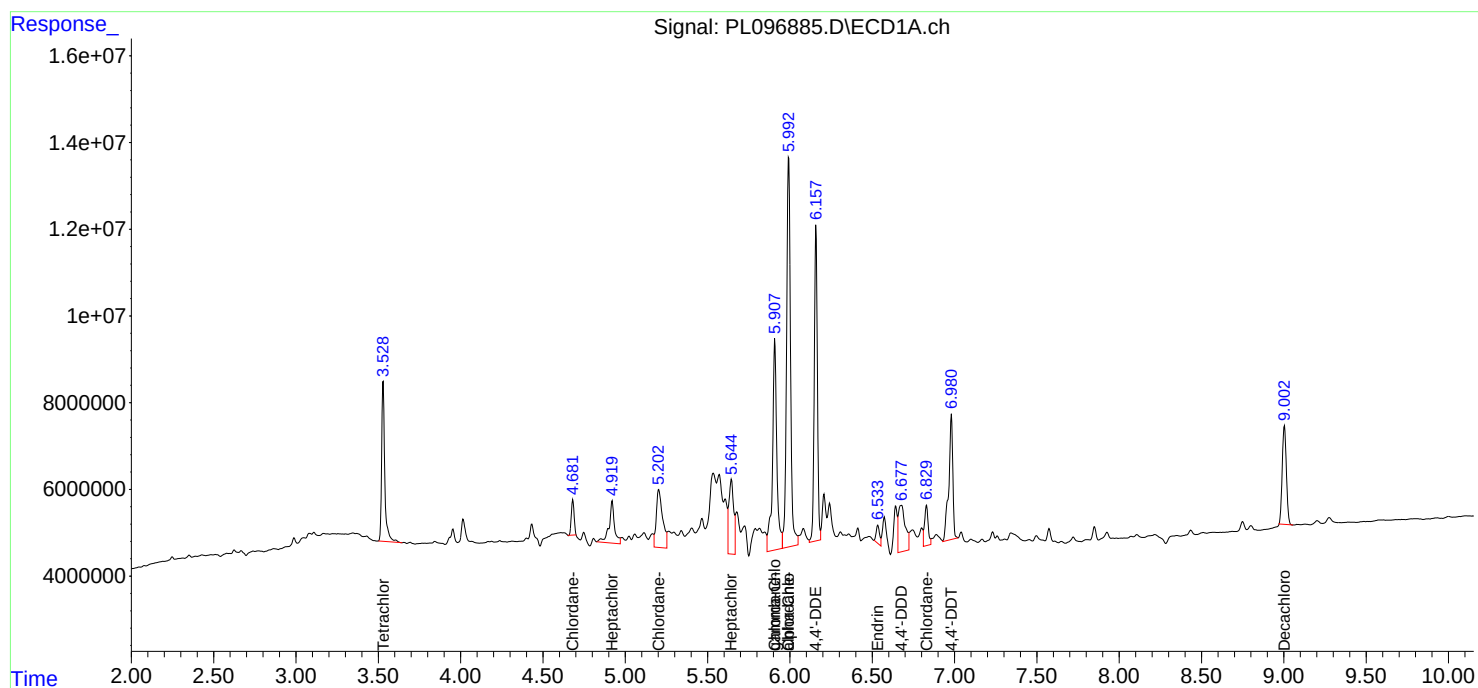
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

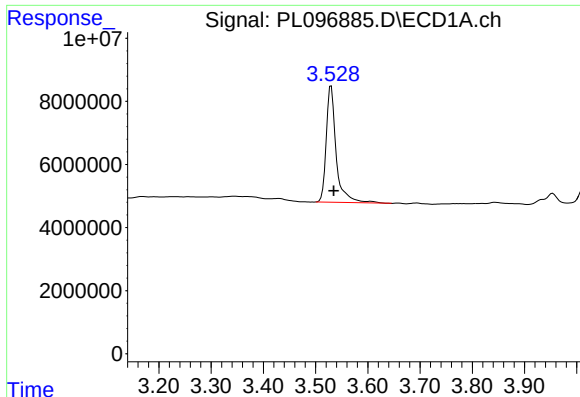
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
Data File : PL096885.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 13:04
Operator : AR\AJ
Sample : Q2879-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 01:36:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

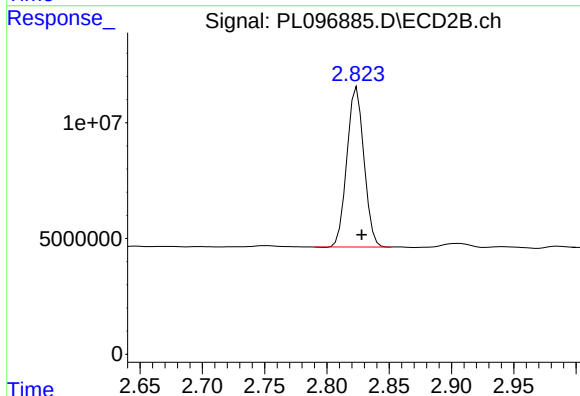




#1 Tetrachloro-m-xylene

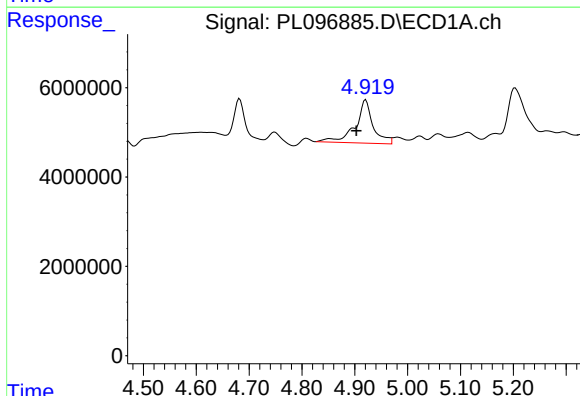
R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 48854269
Conc: 15.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425



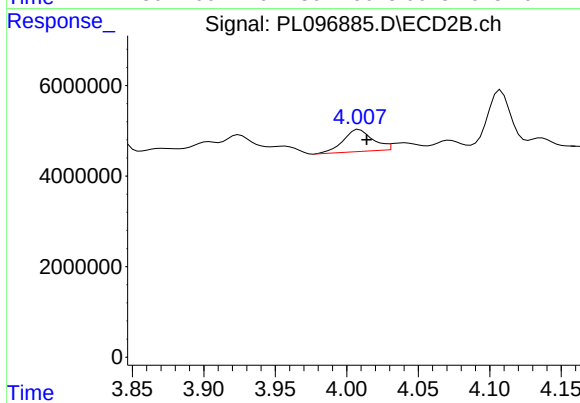
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: -0.004 min
Response: 66109706
Conc: 13.84 ng/ml



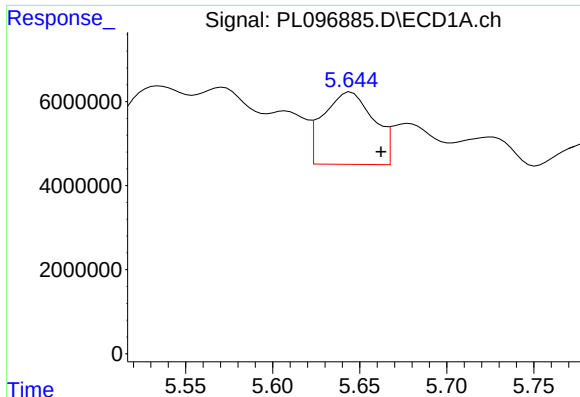
#4 Heptachlor

R.T.: 4.921 min
Delta R.T.: 0.018 min
Response: 22482789
Conc: 5.41 ng/ml



#4 Heptachlor

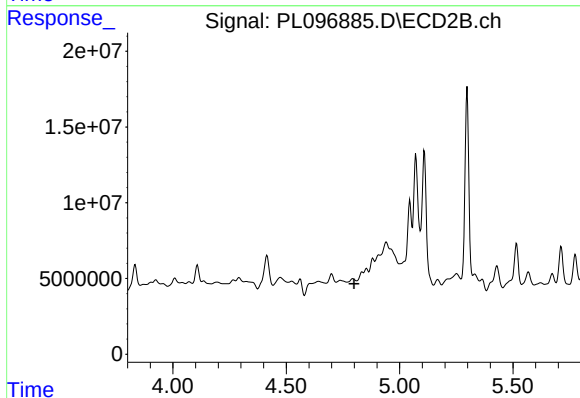
R.T.: 4.009 min
Delta R.T.: -0.005 min
Response: 6989564
Conc: 1.05 ng/ml



#8 Heptachlor epoxide

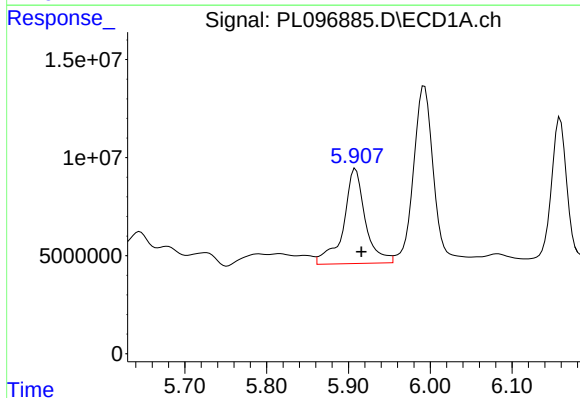
R.T.: 5.645 min
Delta R.T.: -0.017 min
Response: 34675383
Conc: 8.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425



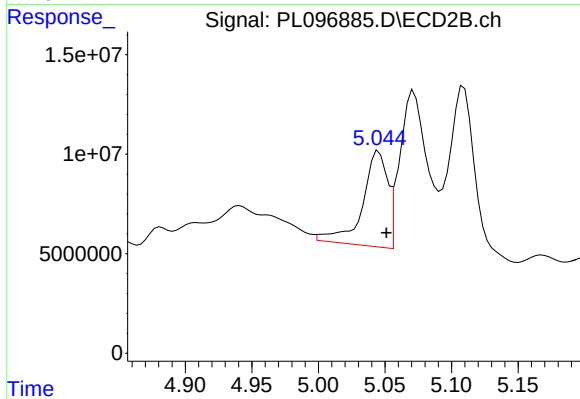
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 4.799 min
Response: 0
Conc: N.D.



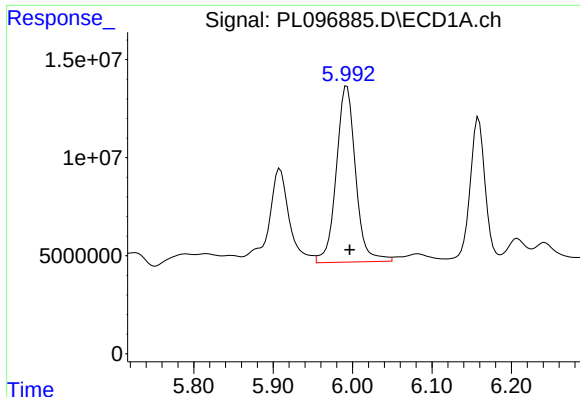
#10 gamma-Chlordane

R.T.: 5.909 min
Delta R.T.: -0.007 min
Response: 89333091
Conc: 23.48 ng/ml



#10 gamma-Chlordane

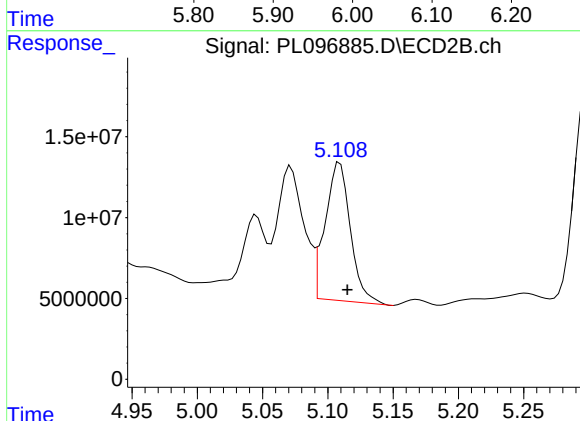
R.T.: 5.045 min
Delta R.T.: -0.006 min
Response: 63494570
Conc: 10.80 ng/ml



#11 alpha-Chlordane

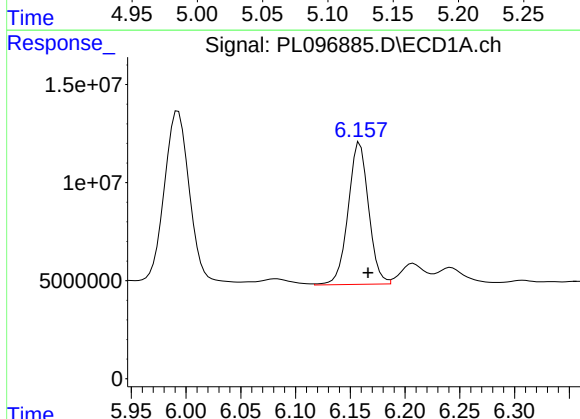
R.T.: 5.993 min
Delta R.T.: -0.004 min
Response: 152015426
Conc: 39.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425



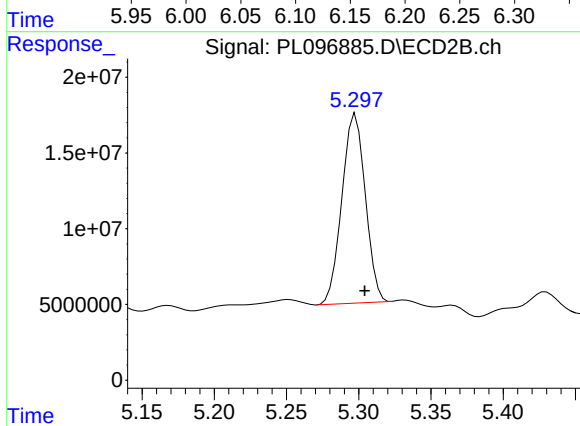
#11 alpha-Chlordane

R.T.: 5.109 min
Delta R.T.: -0.006 min
Response: 114709189
Conc: 19.45 ng/ml



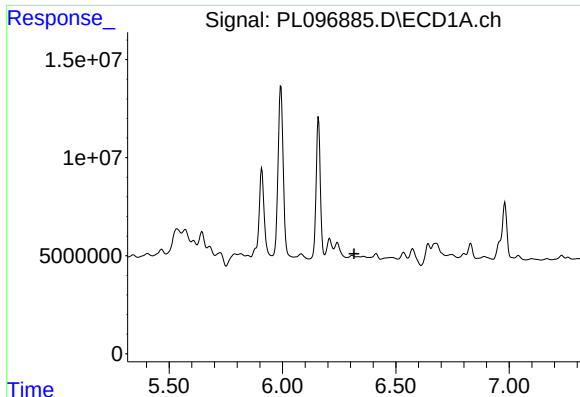
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 94061912
Conc: 29.29 ng/ml



#12 4,4'-DDE

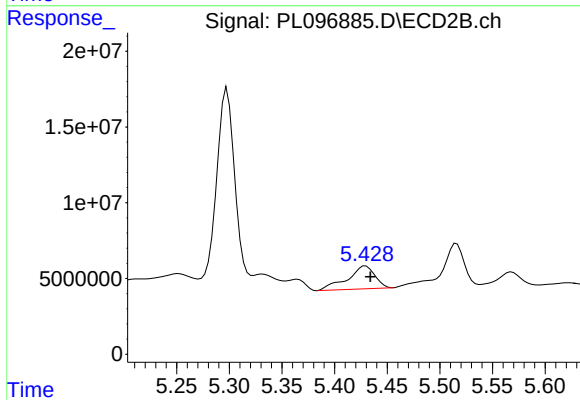
R.T.: 5.298 min
Delta R.T.: -0.006 min
Response: 140638088
Conc: 25.50 ng/ml



#13 Dieldrin

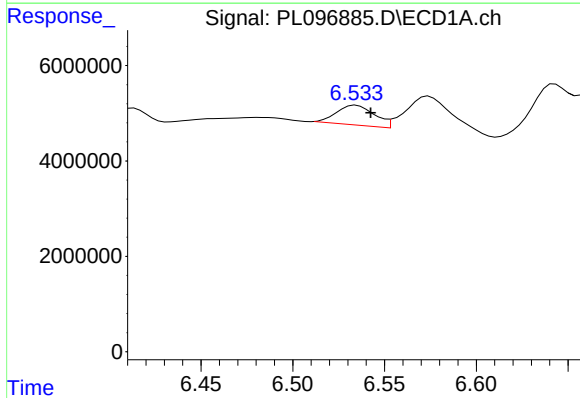
R.T.: 0.000 min
Exp R.T.: 6.316 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425



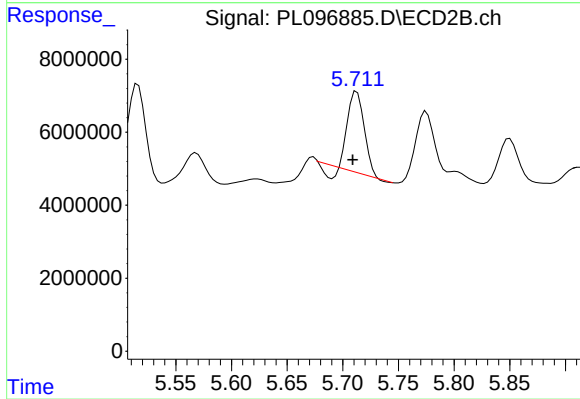
#13 Dieldrin

R.T.: 5.430 min
Delta R.T.: -0.004 min
Response: 27387328
Conc: 4.64 ng/ml



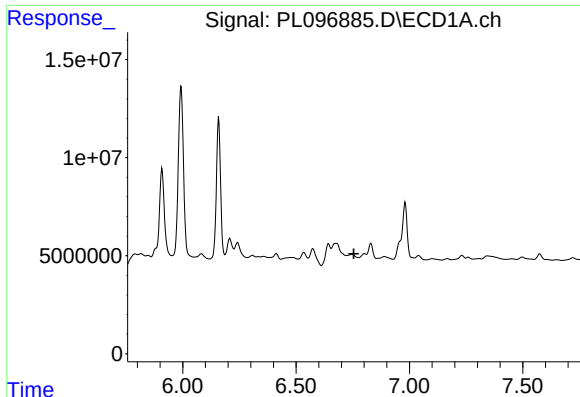
#14 Endrin

R.T.: 6.535 min
Delta R.T.: -0.008 min
Response: 5993457
Conc: 1.98 ng/ml



#14 Endrin

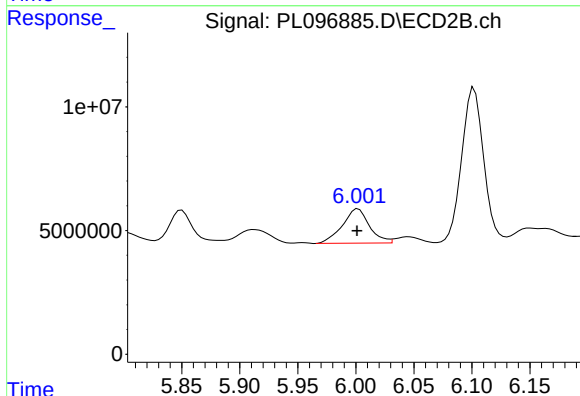
R.T.: 5.713 min
Delta R.T.: 0.004 min
Response: 20351579
Conc: 3.76 ng/ml



#15 Endosulfan II

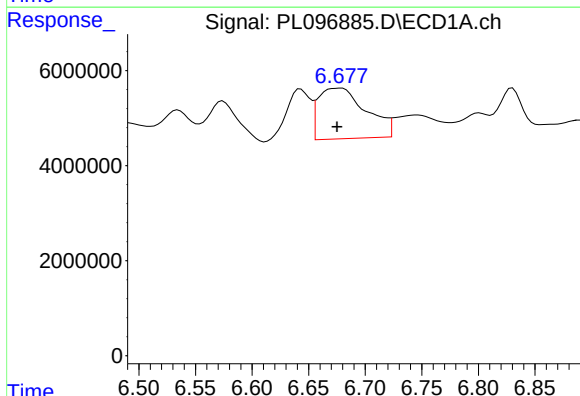
R.T.: 0.000 min
Exp R.T.: 6.755 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425



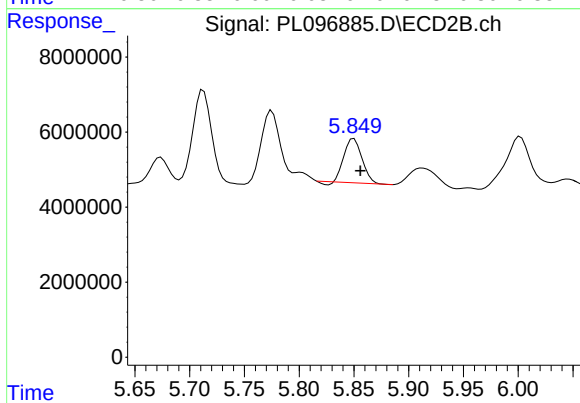
#15 Endosulfan II

R.T.: 6.002 min
Delta R.T.: 0.001 min
Response: 22480714
Conc: 4.38 ng/ml



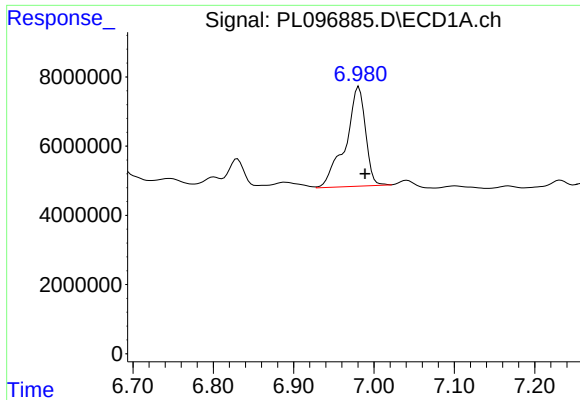
#16 4,4'-DDD

R.T.: 6.678 min
Delta R.T.: 0.003 min
Response: 31302405
Conc: 12.38 ng/ml



#16 4,4'-DDD

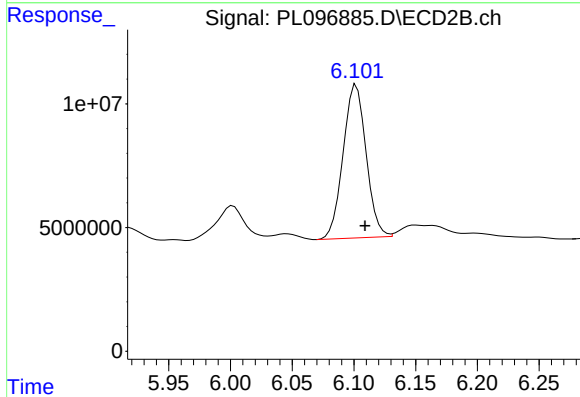
R.T.: 5.850 min
Delta R.T.: -0.006 min
Response: 13341384
Conc: 2.84 ng/ml



#17 4,4'-DDT

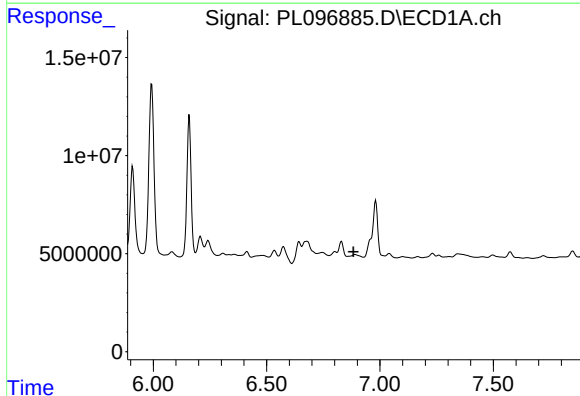
R.T.: 6.981 min
Delta R.T.: -0.008 min
Response: 49430363
Conc: 17.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425



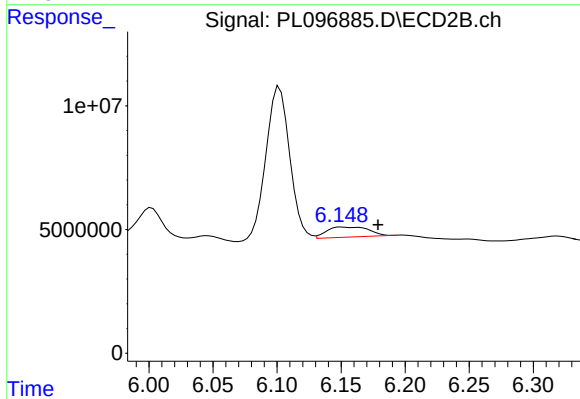
#17 4,4'-DDT

R.T.: 6.102 min
Delta R.T.: -0.007 min
Response: 80312943
Conc: 15.88 ng/ml



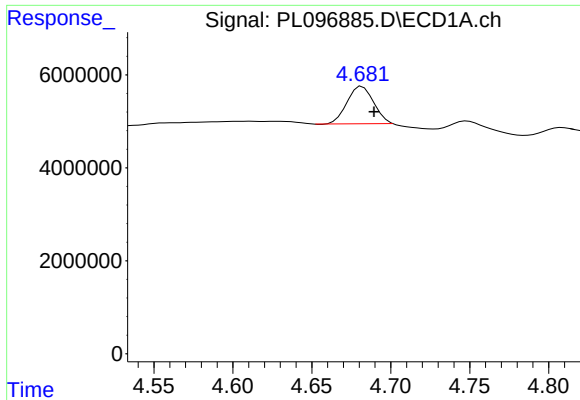
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.884 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

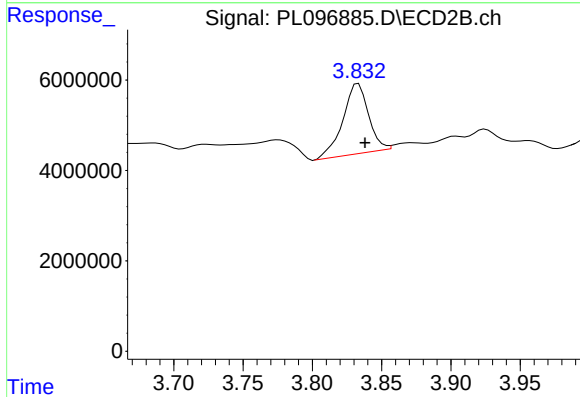
R.T.: 6.150 min
Delta R.T.: -0.029 min
Response: 9273431
Conc: 2.55 ng/ml



#23 Chlordane-1

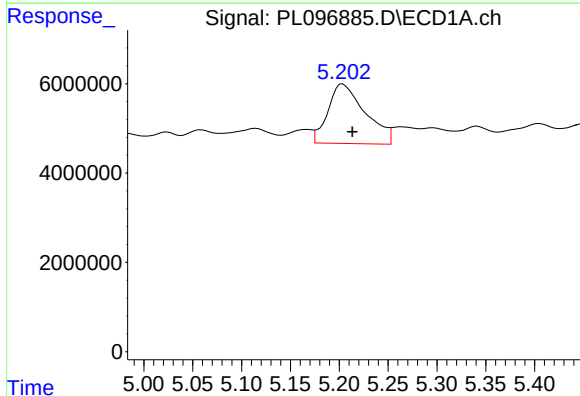
R.T.: 4.682 min
Delta R.T.: -0.008 min
Response: 9452370
Conc: 55.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425



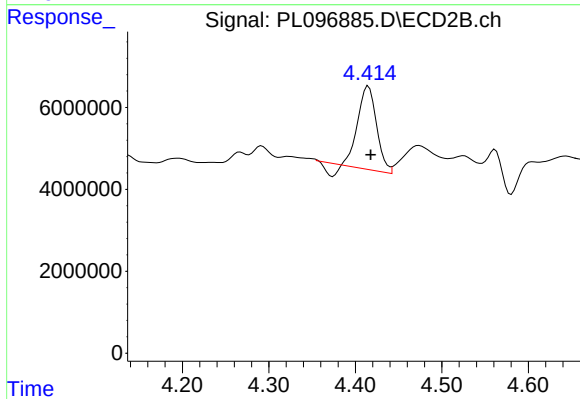
#23 Chlordane-1

R.T.: 3.833 min
Delta R.T.: -0.005 min
Response: 19896473
Conc: 94.91 ng/ml



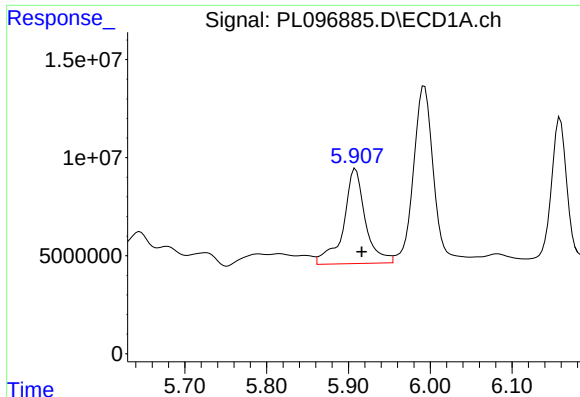
#24 Chlordane-2

R.T.: 5.204 min
Delta R.T.: -0.010 min
Response: 35534800
Conc: 203.05 ng/ml



#24 Chlordane-2

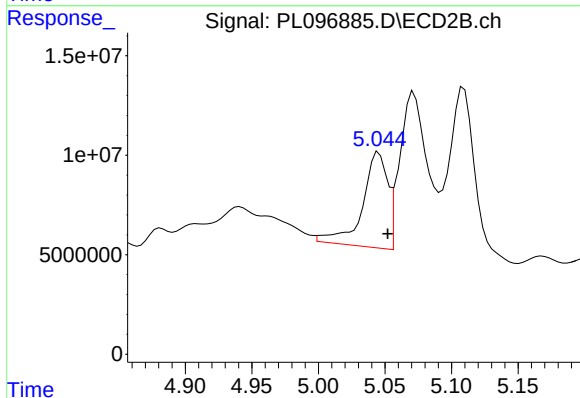
R.T.: 4.415 min
Delta R.T.: -0.003 min
Response: 28778961
Conc: 118.63 ng/ml



#25 Chlordane-3

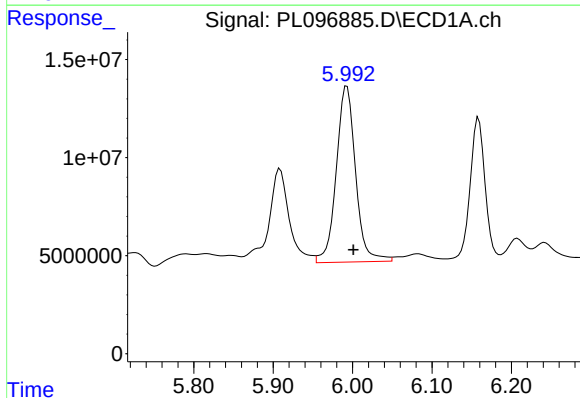
R.T.: 5.909 min
Delta R.T.: -0.008 min
Response: 89333091
Conc: 133.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425



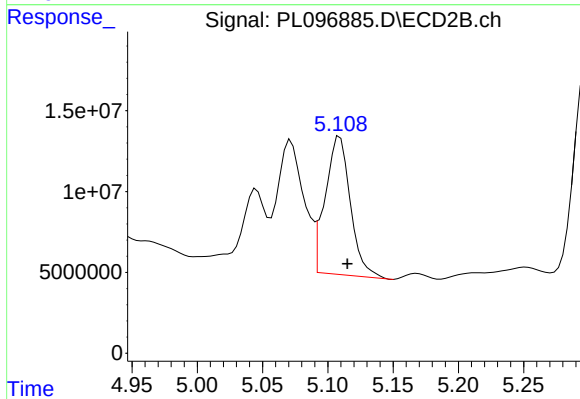
#25 Chlordane-3

R.T.: 5.045 min
Delta R.T.: -0.007 min
Response: 63494570
Conc: 91.32 ng/ml



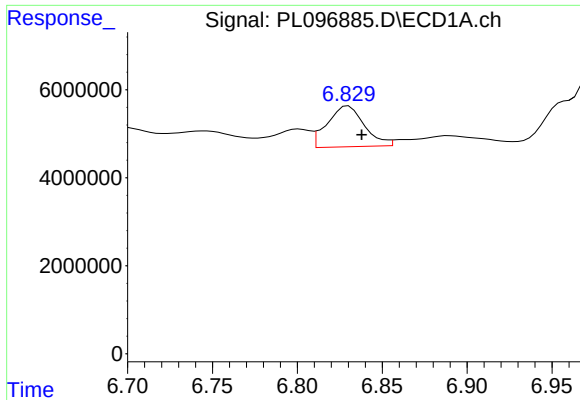
#26 Chlordane-4

R.T.: 5.993 min
Delta R.T.: -0.008 min
Response: 152015426
Conc: 183.66 ng/ml



#26 Chlordane-4

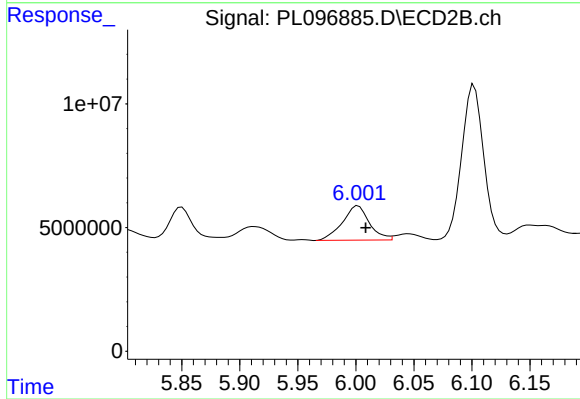
R.T.: 5.109 min
Delta R.T.: -0.006 min
Response: 114709189
Conc: 184.32 ng/ml



#27 Chlordane-5

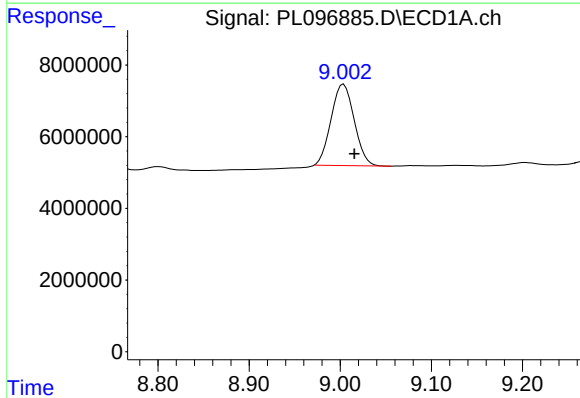
R.T.: 6.830 min
Delta R.T.: -0.008 min
Response: 14146786
Conc: 107.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425



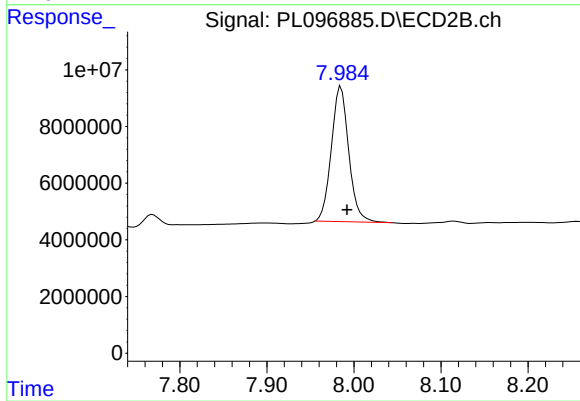
#27 Chlordane-5

R.T.: 6.002 min
Delta R.T.: -0.007 min
Response: 22480714
Conc: 88.12 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.012 min
Response: 40093838
Conc: 16.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.985 min
Delta R.T.: -0.007 min
Response: 66229862
Conc: 15.27 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
 Data File : PL096886.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 13:18
 Operator : AR\AJ
 Sample : Q2879-17
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OU4-TS-GRILLO-TSCP11-081425

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 20 01:36:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.530	2.825	41456422	59236498	13.033	12.398
28)	SA Decachlor...	9.004	7.986	27798601	45510798	11.657	10.490
Target Compounds							
4)	MA Heptachlor	4.922f	4.010	19612878	2427363	4.720	0.364 #
8)	B Heptachlo...	5.641f	0.000	6962476	0	1.805	N.D. #
10)	B gamma-Chl...	5.909	5.046	60997126	47910255	16.030	8.148 #
11)	B alpha-Chl...	5.993	5.110	133.0E6	118.5E6	34.514	20.095 #
12)	B 4,4'-DDE	6.159	5.299	64718340	104.8E6	20.154	19.005
13)	MA Dieldrin	0.000	5.430	0	11802503	N.D.	1.998 #
14)	MA Endrin	0.000	5.714	0	8077985	N.D.	1.494 #
15)	B Endosulfa...	0.000	6.003	0	30780546	N.D.	5.993 #
16)	A 4,4'-DDD	6.682	5.850	10129852	5917930	4.006	1.258 #
17)	MA 4,4'-DDT	6.982	6.103	34218069	55807607	11.932	11.033
18)	B Endrin al...	0.000	6.154f	0	9145769	N.D.	2.516 #
23)	Chlordane-1	4.683	3.834	7712796	15804279	45.339	75.389 #
24)	Chlordane-2	5.204	4.418	24821737	27833964	141.833	114.736
25)	Chlordane-3	5.909	5.046	60997126	47910255	91.322	68.906
26)	Chlordane-4	5.993	5.110	133.0E6	118.5E6	160.732	190.476
27)	Chlordane-5	6.830	6.003	21918147	30780546	165.865	120.655 #

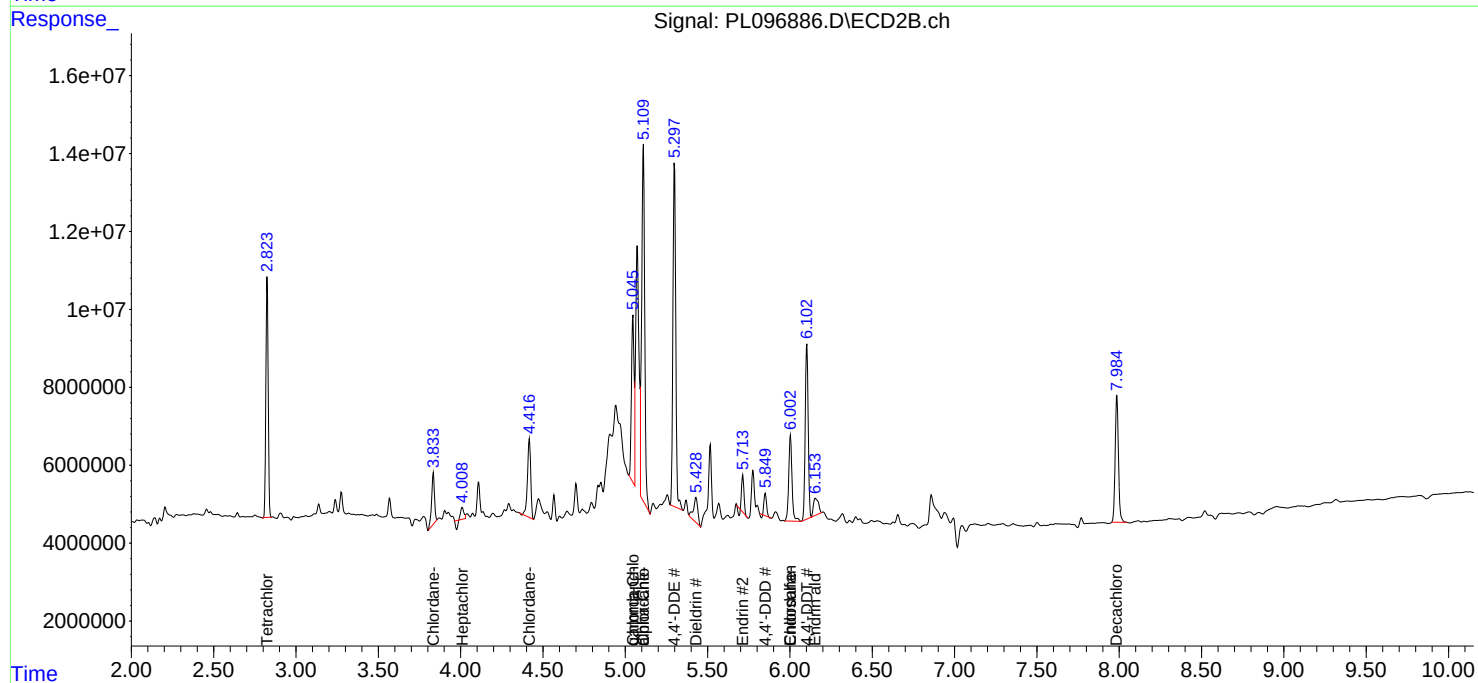
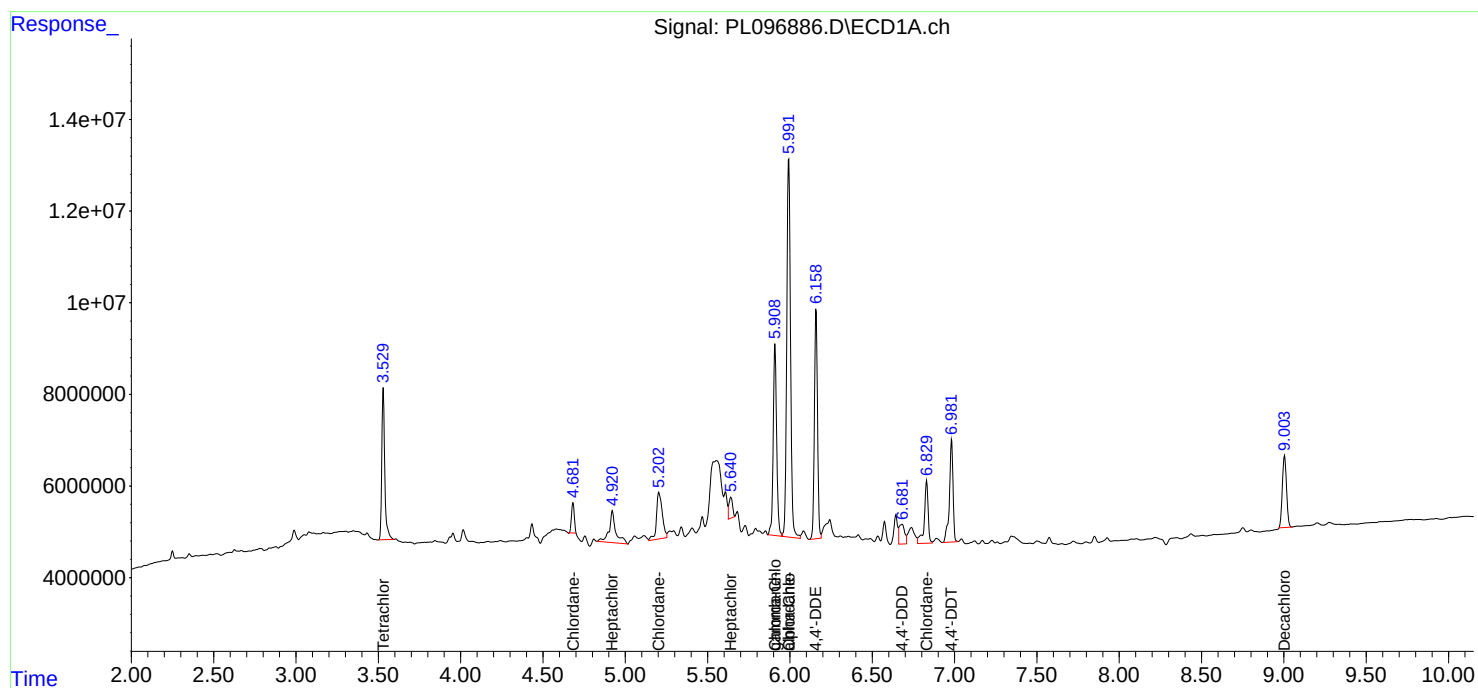
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

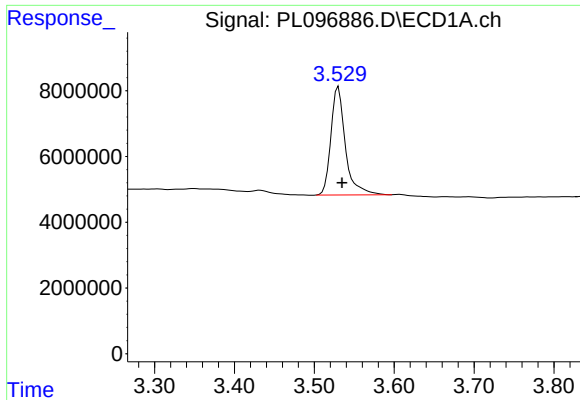
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
Data File : PL096886.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 13:18
Operator : AR\AJ
Sample : Q2879-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 01:36:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

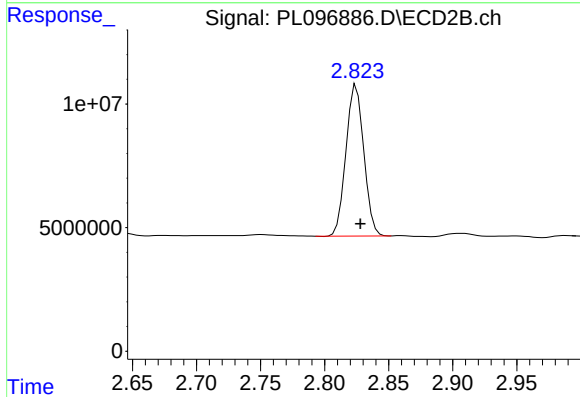




#1 Tetrachloro-m-xylene

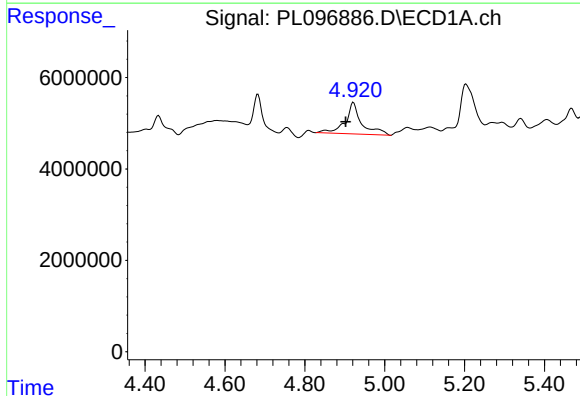
R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 41456422
Conc: 13.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425



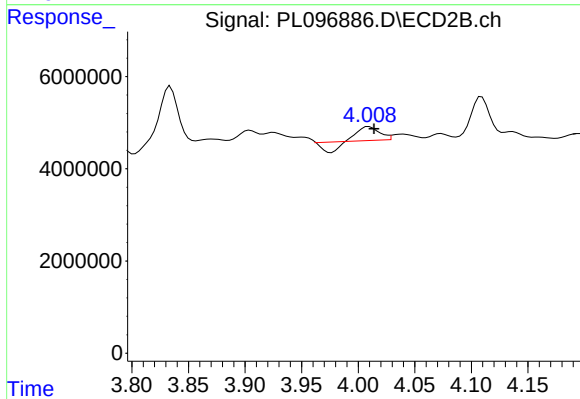
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 59236498
Conc: 12.40 ng/ml



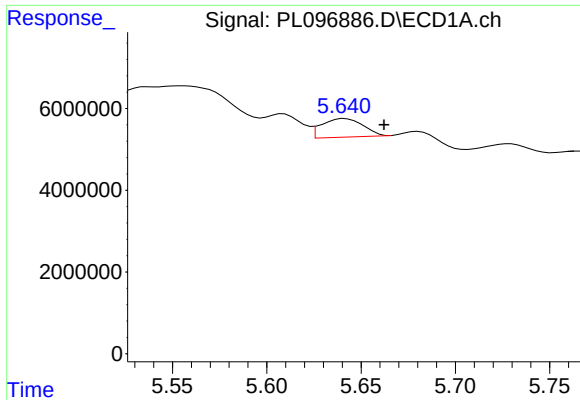
#4 Heptachlor

R.T.: 4.922 min
Delta R.T.: 0.019 min
Response: 19612878
Conc: 4.72 ng/ml



#4 Heptachlor

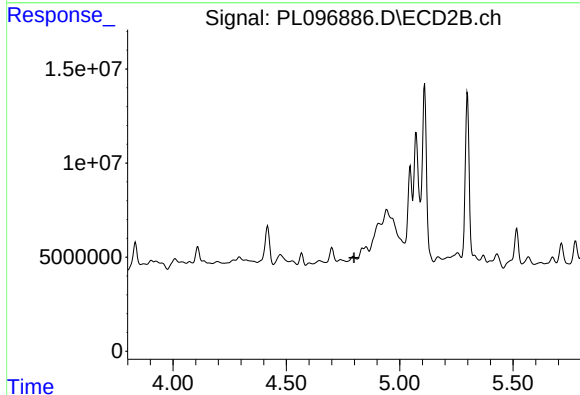
R.T.: 4.010 min
Delta R.T.: -0.005 min
Response: 2427363
Conc: 0.36 ng/ml



#8 Heptachlor epoxide

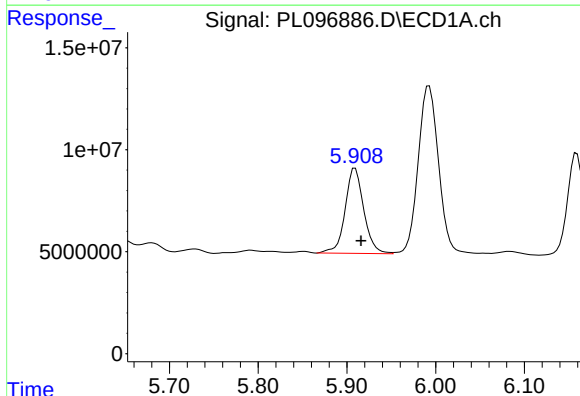
R.T.: 5.641 min
Delta R.T.: -0.021 min
Response: 6962476
Conc: 1.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425



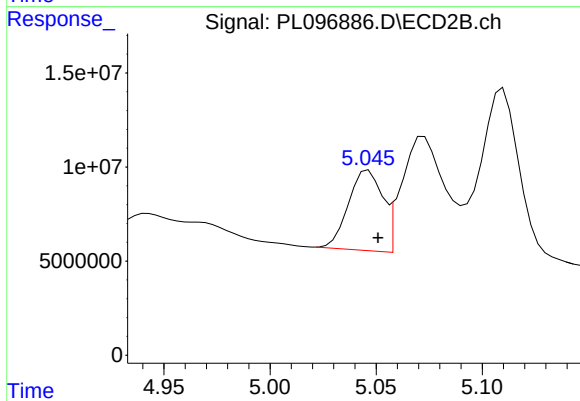
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 4.799 min
Response: 0
Conc: N.D.



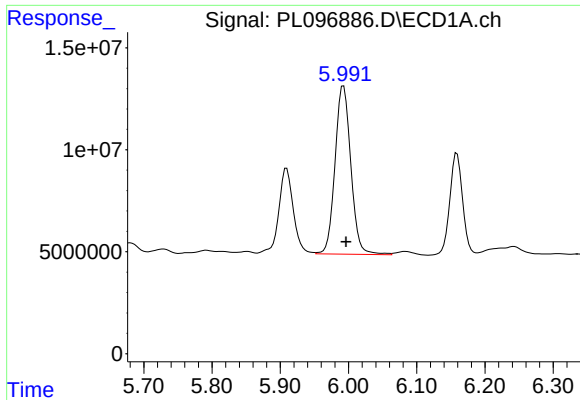
#10 gamma-Chlordane

R.T.: 5.909 min
Delta R.T.: -0.007 min
Response: 60997126
Conc: 16.03 ng/ml



#10 gamma-Chlordane

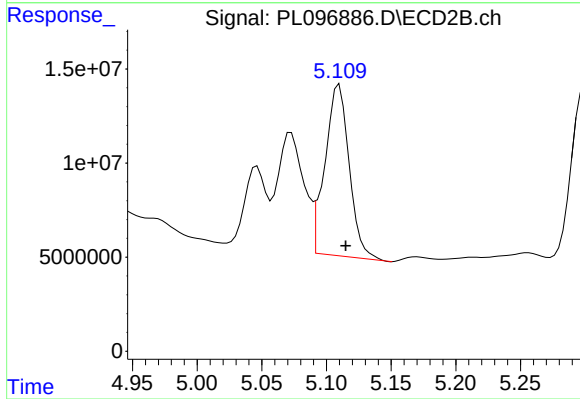
R.T.: 5.046 min
Delta R.T.: -0.005 min
Response: 47910255
Conc: 8.15 ng/ml



#11 alpha-Chlordane

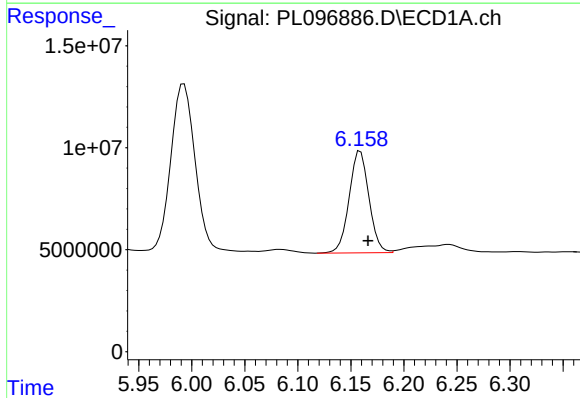
R.T.: 5.993 min
Delta R.T.: -0.004 min
Response: 133037591
Conc: 34.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425



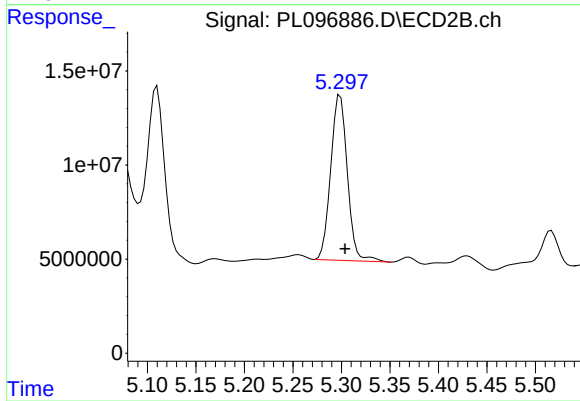
#11 alpha-Chlordane

R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 118539244
Conc: 20.10 ng/ml



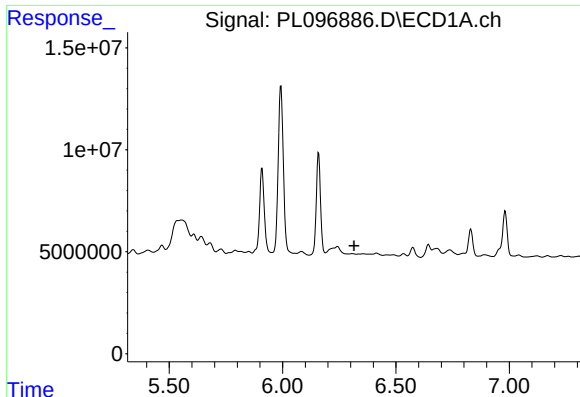
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 64718340
Conc: 20.15 ng/ml



#12 4,4'-DDE

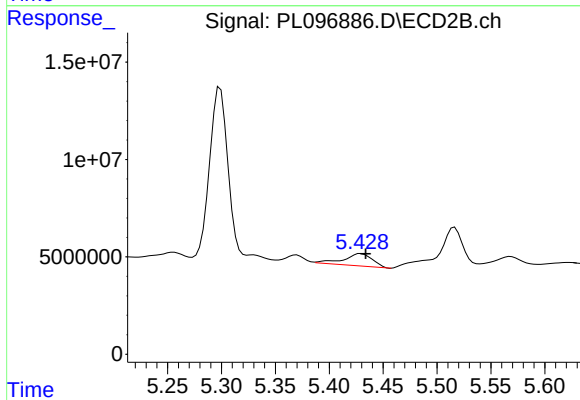
R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 104803924
Conc: 19.01 ng/ml



#13 Dieldrin

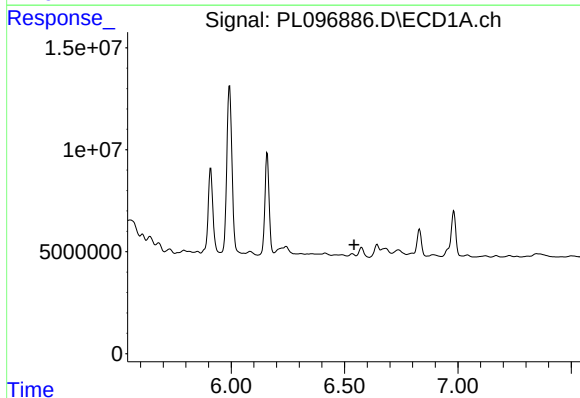
R.T.: 0.000 min
Exp R.T. : 6.316 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425



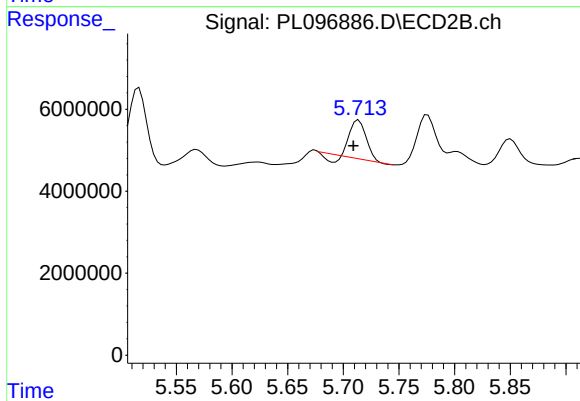
#13 Dieldrin

R.T.: 5.430 min
Delta R.T.: -0.004 min
Response: 11802503
Conc: 2.00 ng/ml



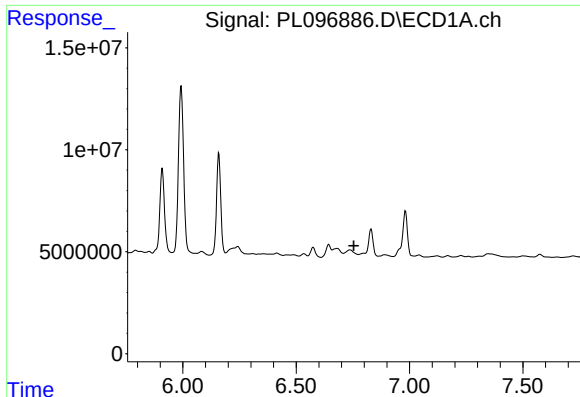
#14 Endrin

R.T.: 0.000 min
Exp R.T. : 6.542 min
Response: 0
Conc: N.D.



#14 Endrin

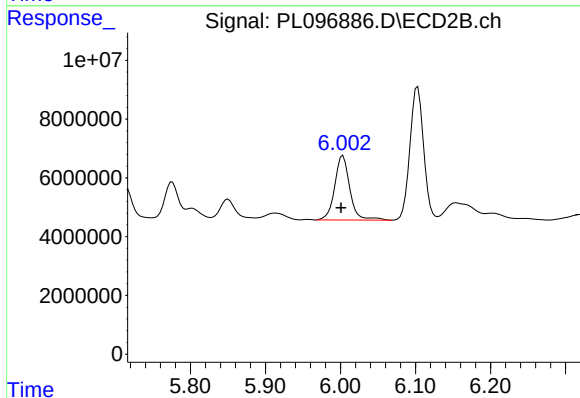
R.T.: 5.714 min
Delta R.T.: 0.005 min
Response: 8077985
Conc: 1.49 ng/ml



#15 Endosulfan II

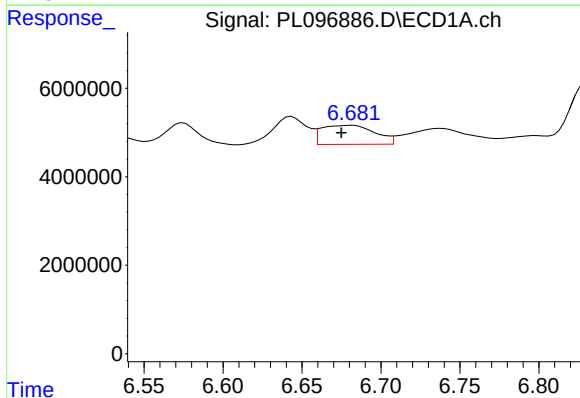
R.T.: 0.000 min
Exp R.T.: 6.755 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425



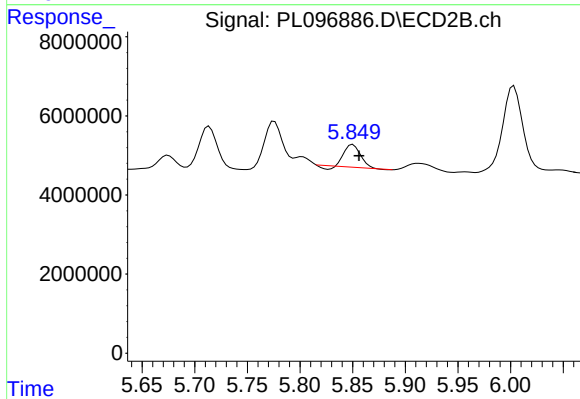
#15 Endosulfan II

R.T.: 6.003 min
Delta R.T.: 0.002 min
Response: 30780546
Conc: 5.99 ng/ml



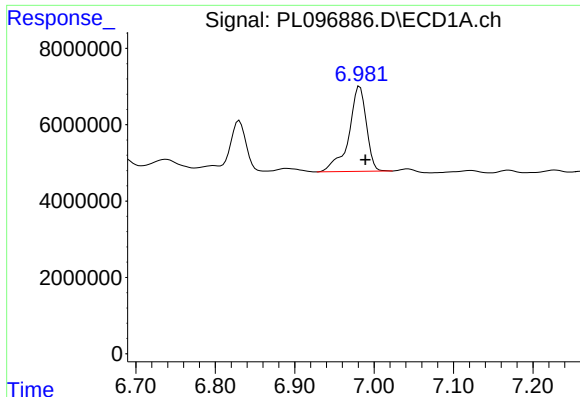
#16 4,4'-DDD

R.T.: 6.682 min
Delta R.T.: 0.007 min
Response: 10129852
Conc: 4.01 ng/ml



#16 4,4'-DDD

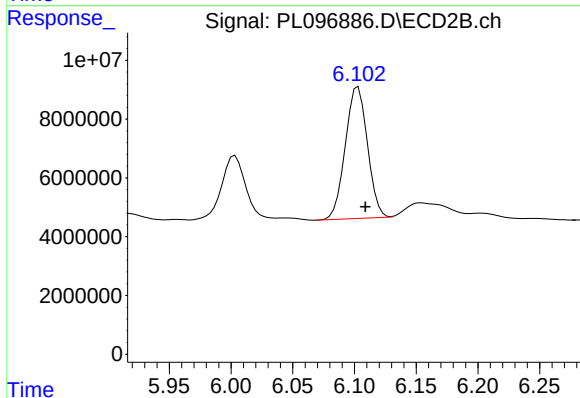
R.T.: 5.850 min
Delta R.T.: -0.006 min
Response: 5917930
Conc: 1.26 ng/ml



#17 4,4'-DDT

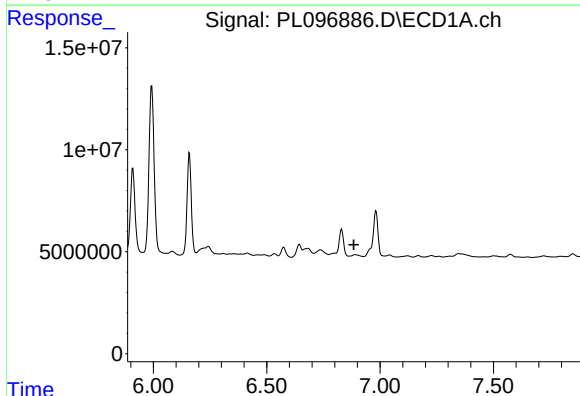
R.T.: 6.982 min
Delta R.T.: -0.007 min
Response: 34218069
Conc: 11.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425



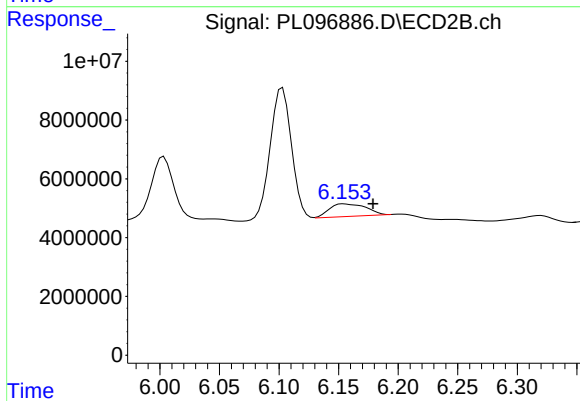
#17 4,4'-DDT

R.T.: 6.103 min
Delta R.T.: -0.006 min
Response: 55807607
Conc: 11.03 ng/ml



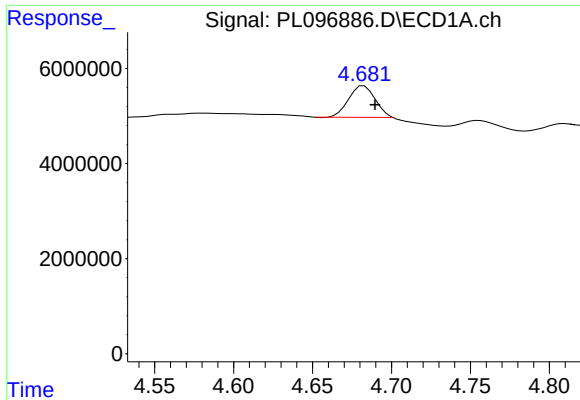
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.884 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

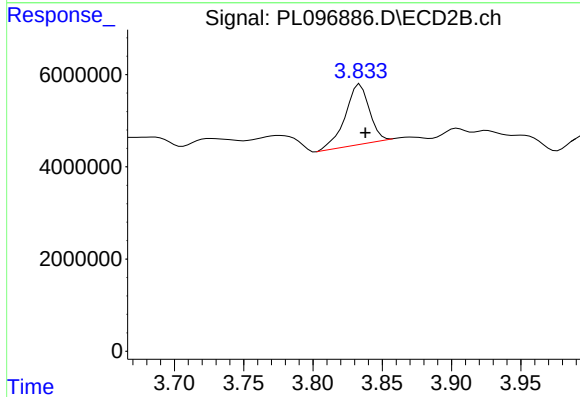
R.T.: 6.154 min
Delta R.T.: -0.025 min
Response: 9145769
Conc: 2.52 ng/ml



#23 Chlordane-1

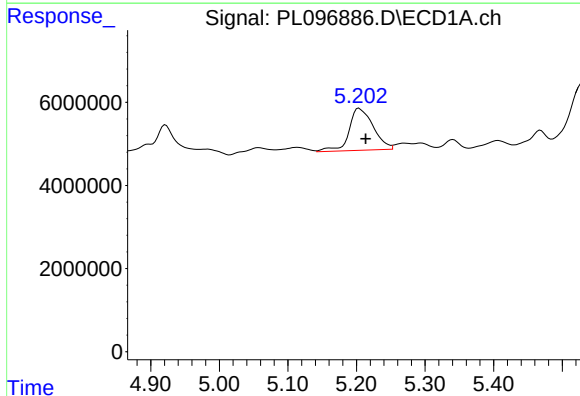
R.T.: 4.683 min
Delta R.T.: -0.007 min
Response: 7712796
Conc: 45.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425



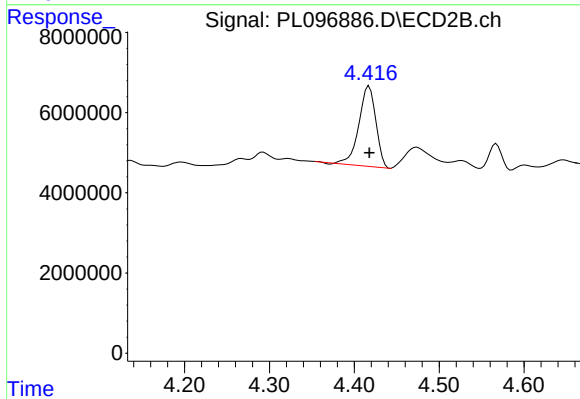
#23 Chlordane-1

R.T.: 3.834 min
Delta R.T.: -0.004 min
Response: 15804279
Conc: 75.39 ng/ml



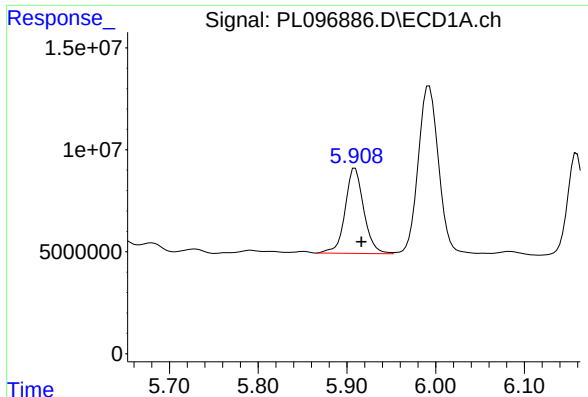
#24 Chlordane-2

R.T.: 5.204 min
Delta R.T.: -0.010 min
Response: 24821737
Conc: 141.83 ng/ml



#24 Chlordane-2

R.T.: 4.418 min
Delta R.T.: 0.000 min
Response: 27833964
Conc: 114.74 ng/ml



#25 Chlordane-3

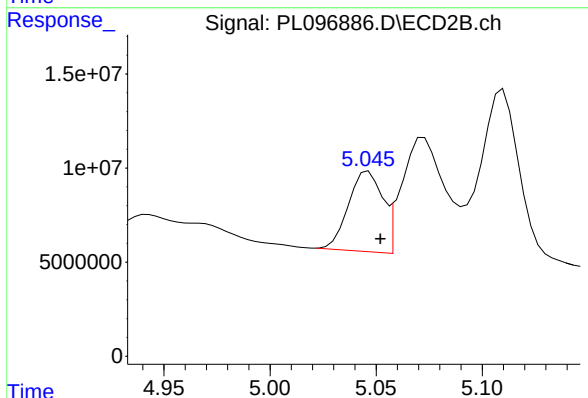
R.T.: 5.909 min
Delta R.T.: -0.007 min
Response: 60997126
Conc: 91.32 ng/ml

Instrument :

ECD_L

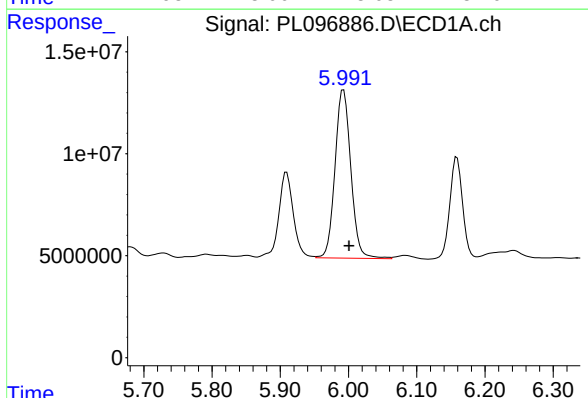
ClientSampleId :

OU4-TS-GRILLO-TSCP11-081425



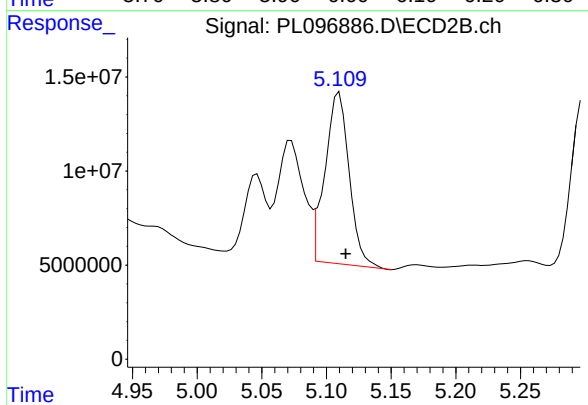
#25 Chlordane-3

R.T.: 5.046 min
Delta R.T.: -0.006 min
Response: 47910255
Conc: 68.91 ng/ml



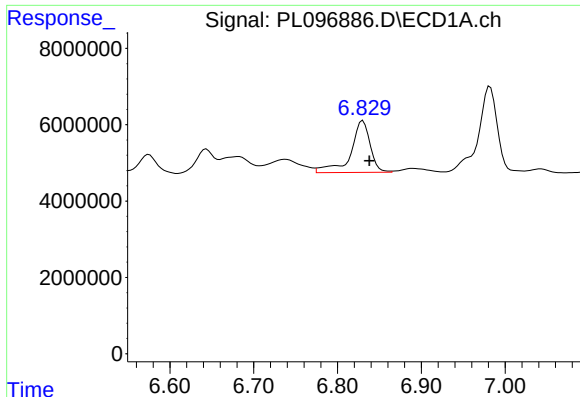
#26 Chlordane-4

R.T.: 5.993 min
Delta R.T.: -0.008 min
Response: 133037591
Conc: 160.73 ng/ml



#26 Chlordane-4

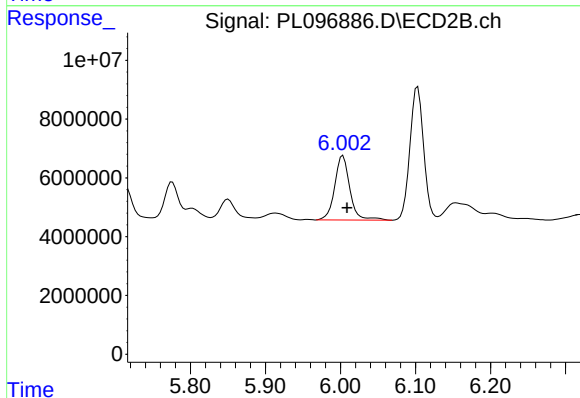
R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 118539244
Conc: 190.48 ng/ml



#27 Chlordane-5

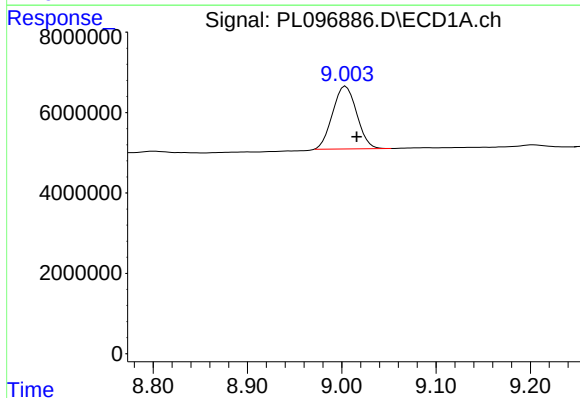
R.T.: 6.830 min
Delta R.T.: -0.007 min
Response: 21918147
Conc: 165.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
OU4-TS-GRILLO-TSCP11-081425



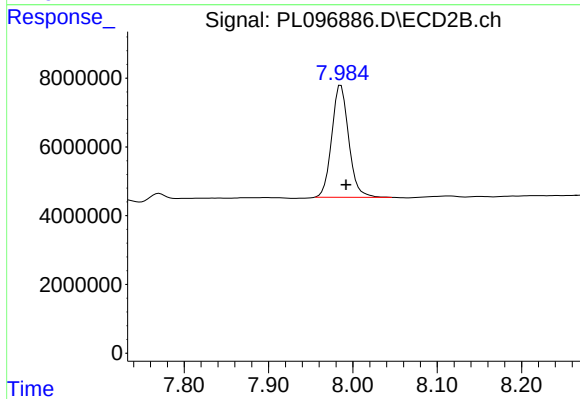
#27 Chlordane-5

R.T.: 6.003 min
Delta R.T.: -0.005 min
Response: 30780546
Conc: 120.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.011 min
Response: 27798601
Conc: 11.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 45510798
Conc: 10.49 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
 Data File : PL096890.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 14:12
 Operator : AR\AJ
 Sample : Q2888-01MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 VNJ-210MS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 20 01:37:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.826	85055993	98991569	26.741	20.719
28)	SA Decachlor...	9.005	7.986	42817305	82988510	17.955	19.129
Target Compounds							
2)	A alpha-BHC	3.978	3.331	232.6E6	366.2E6	50.278	51.744
3)	MA gamma-BHC...	4.305	3.663	197.3E6	337.4E6	44.595	51.096
4)	MA Heptachlor	4.896	4.011	231.2E6	334.1E6	55.623	50.148
5)	MB Aldrin	5.236	4.294	233.1E6	308.5E6	54.186	49.697
6)	B beta-BHC	4.493	3.959	80559571	146.2E6	44.632	51.821
7)	B delta-BHC	4.738	4.192	176.5E6	276.6E6	44.240	42.733
8)	B Heptachlo...	5.655	4.795	213.6E6	272.2E6	55.395	47.664
9)	A Endosulfan I	6.036	5.168	196.2E6	268.6E6	54.545	48.560
10)	B gamma-Chl...	5.909	5.047	227.2E6	340.2E6	59.700	57.851
11)	B alpha-Chl...	5.989	5.111	230.1E6	326.8E6	59.699	55.402
12)	B 4,4'-DDE	6.160	5.300	175.6E6	324.1E6	54.674	58.776
13)	MA Dieldrin	6.309	5.431	177.4E6	309.9E6	47.799	52.462
14)	MA Endrin	6.535	5.705	138.9E6	273.1E6	45.880	50.519
15)	B Endosulfa...	6.748	5.997	146.7E6	255.2E6	45.810	49.681
16)	A 4,4'-DDD	6.668	5.852	139.5E6	196.9E6	55.179	41.845
17)	MA 4,4'-DDT	6.982	6.105	189.7E6	305.9E6	66.149	60.470
18)	B Endrin al...	6.877	6.175	109.6E6	177.9E6	51.065	48.931
19)	B Endosulfa...	7.110	6.398	133.4E6	211.5E6	46.434	41.590
20)	A Methoxychlor	7.454	6.676	89158426	109.1E6	60.720	39.801 #
21)	B Endrin ke...	7.589	6.902	144.2E6	226.7E6	47.945	40.708
22)	Mirex	8.067	7.092	111.1E6	170.0E6	44.793	38.988
23)	Chlordane-1	0.000	3.836	0	14396550	N.D.	68.674 #
24)	Chlordane-2	5.202	4.417	31244837	53683119	178.535	221.291
25)	Chlordane-3	5.909	5.047	227.2E6	340.2E6	340.112	489.242 #
26)	Chlordane-4	5.989	5.111	230.1E6	326.8E6	278.022	525.144 #
27)	Chlordane-5	6.830	5.997	8616445	255.2E6	65.205	1000.244 #

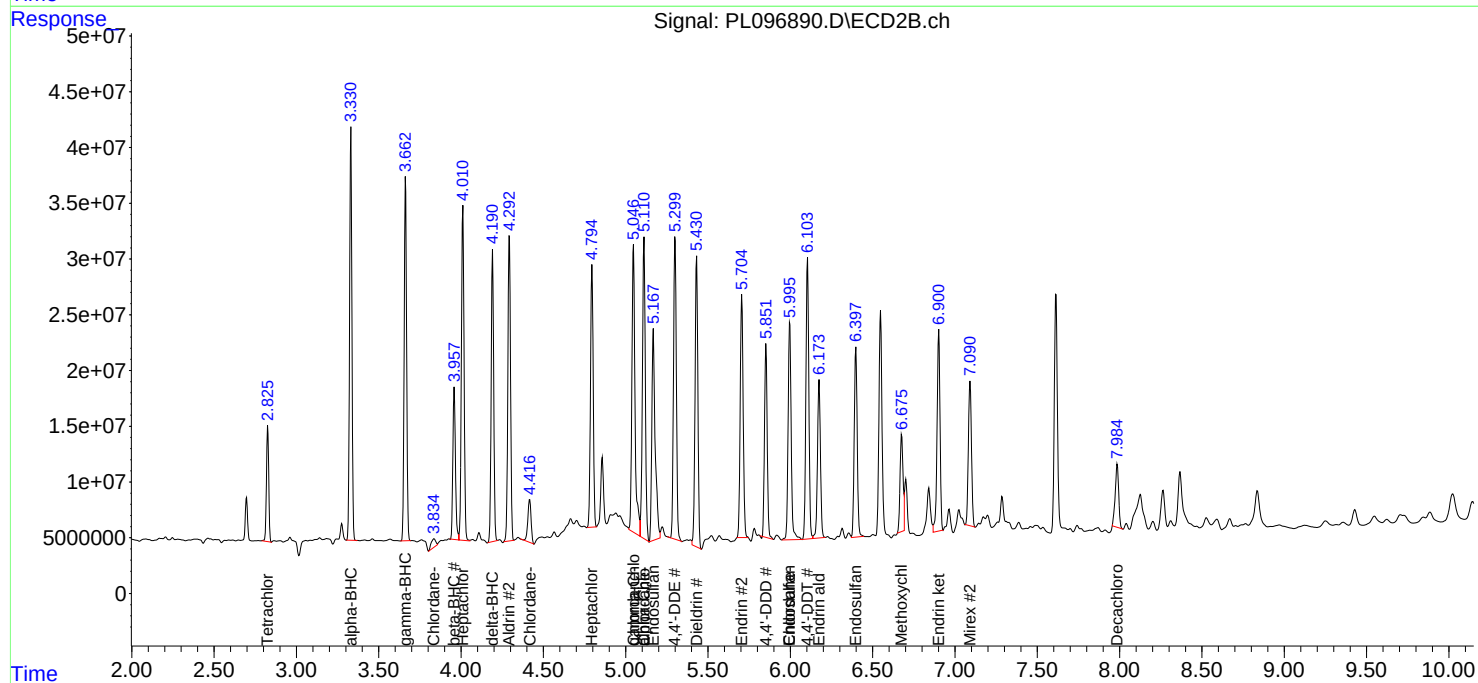
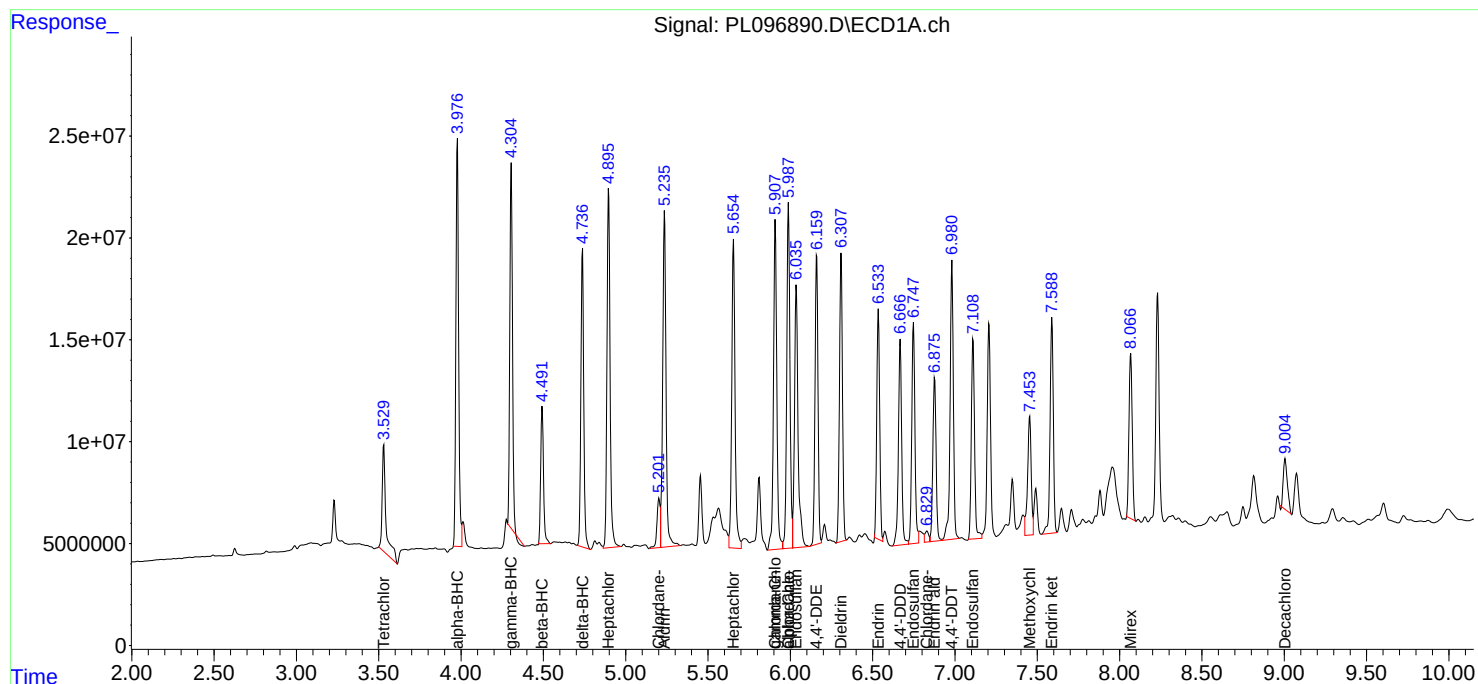
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

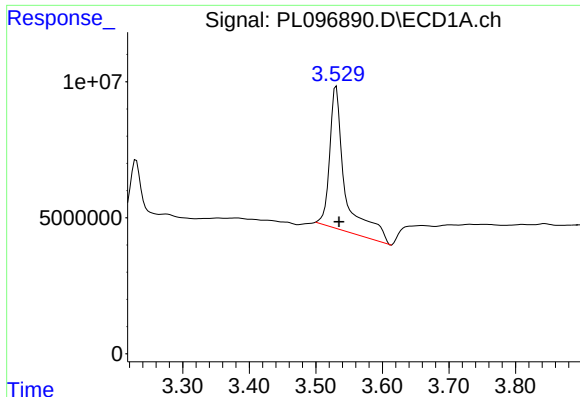
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
Data File : PL096890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 14:12
Operator : AR\AJ
Sample : Q2888-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 01:37:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

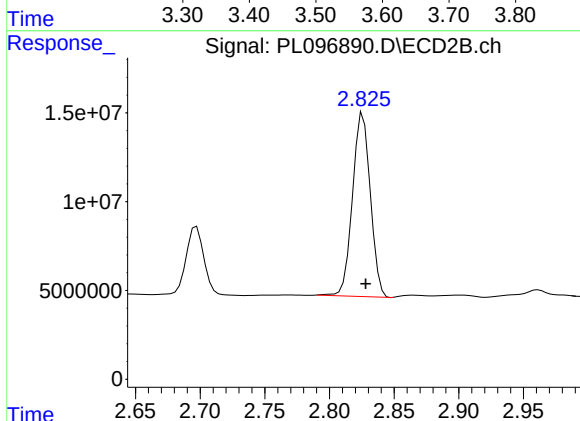




#1 Tetrachloro-m-xylene

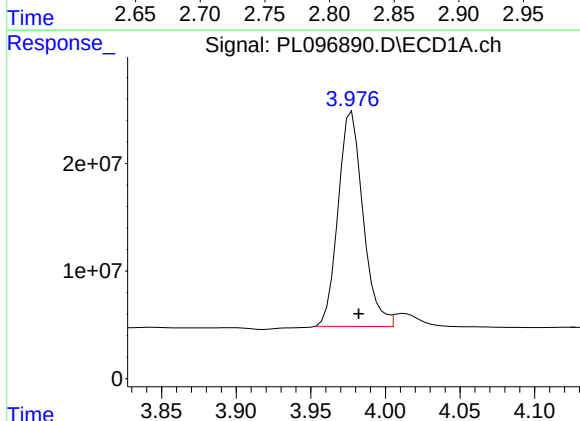
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 85055993
Conc: 26.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS



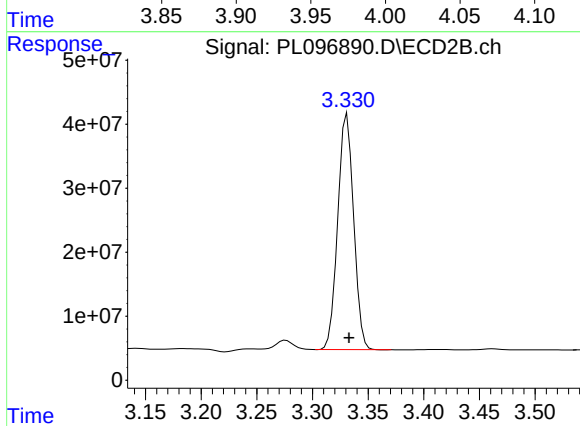
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 98991569
Conc: 20.72 ng/ml



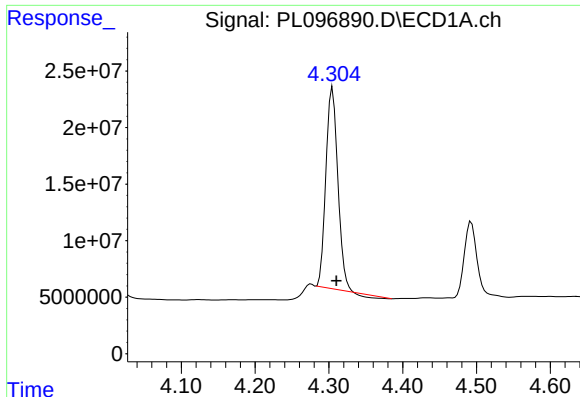
#2 alpha-BHC

R.T.: 3.978 min
Delta R.T.: -0.005 min
Response: 232604765
Conc: 50.28 ng/ml



#2 alpha-BHC

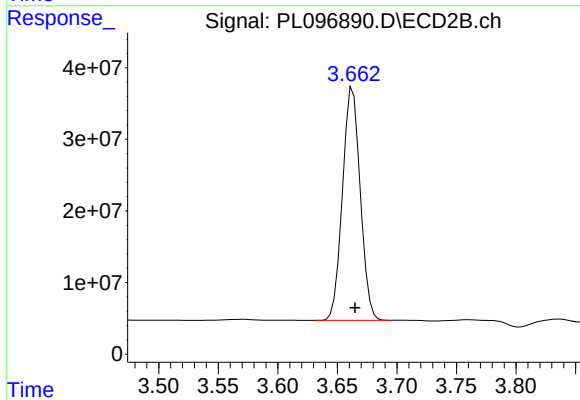
R.T.: 3.331 min
Delta R.T.: -0.002 min
Response: 366196678
Conc: 51.74 ng/ml



#3 gamma-BHC (Lindane)

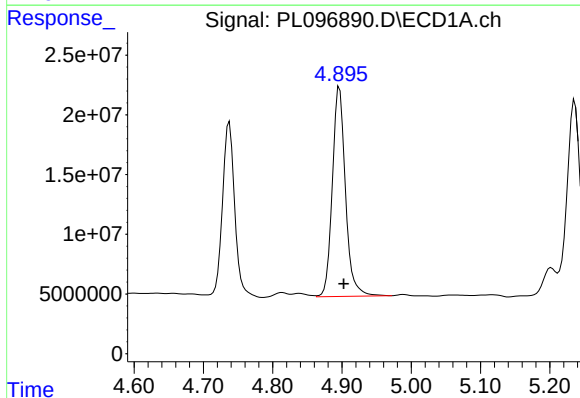
R.T.: 4.305 min
Delta R.T.: -0.005 min
Response: 197263054
Conc: 44.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS



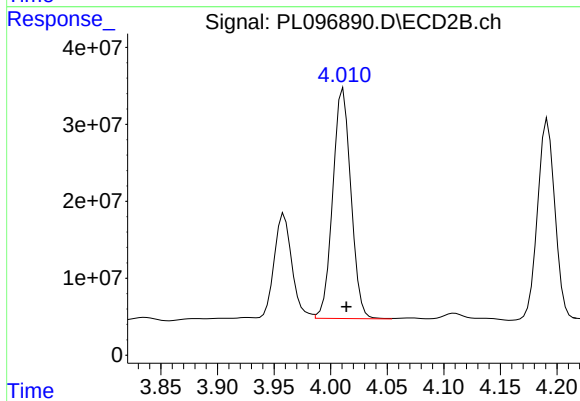
#3 gamma-BHC (Lindane)

R.T.: 3.663 min
Delta R.T.: -0.002 min
Response: 337408120
Conc: 51.10 ng/ml



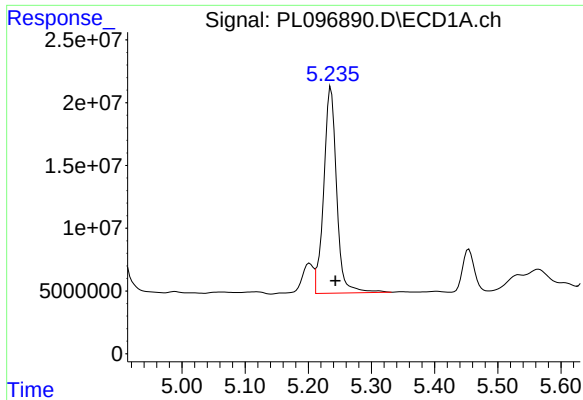
#4 Heptachlor

R.T.: 4.896 min
Delta R.T.: -0.006 min
Response: 231151905
Conc: 55.62 ng/ml



#4 Heptachlor

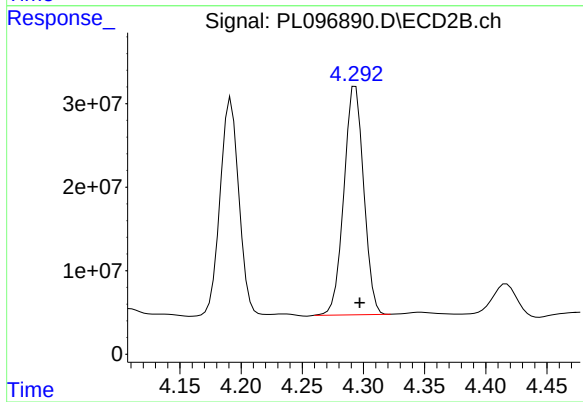
R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 334082448
Conc: 50.15 ng/ml



#5 Aldrin

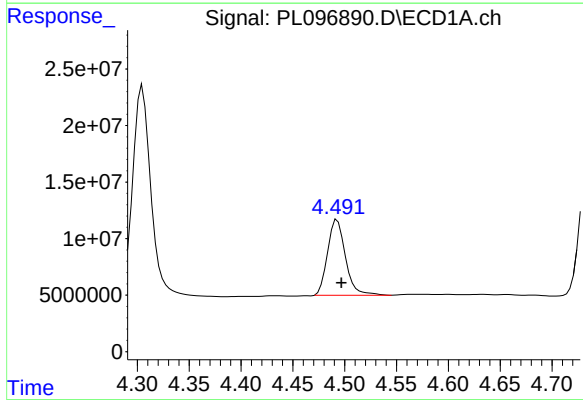
R.T.: 5.236 min
Delta R.T.: -0.007 min
Response: 233053082
Conc: 54.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS



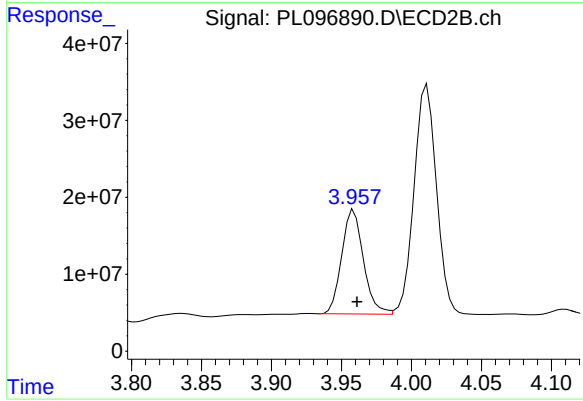
#5 Aldrin

R.T.: 4.294 min
Delta R.T.: -0.003 min
Response: 308474203
Conc: 49.70 ng/ml



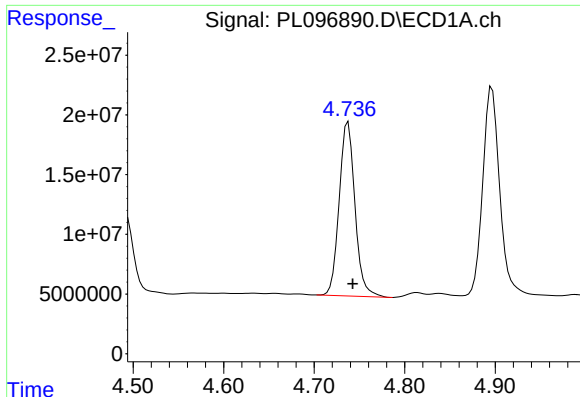
#6 beta-BHC

R.T.: 4.493 min
Delta R.T.: -0.004 min
Response: 80559571
Conc: 44.63 ng/ml



#6 beta-BHC

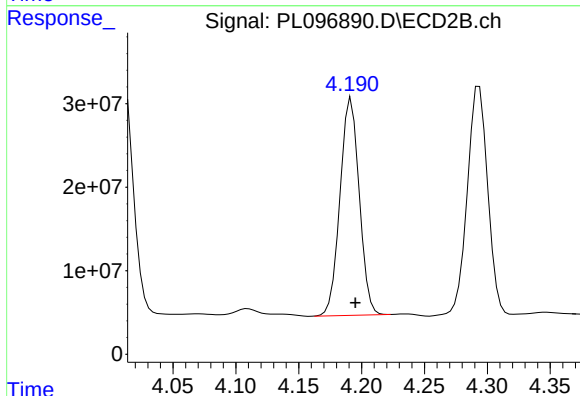
R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 146181548
Conc: 51.82 ng/ml



#7 delta-BHC

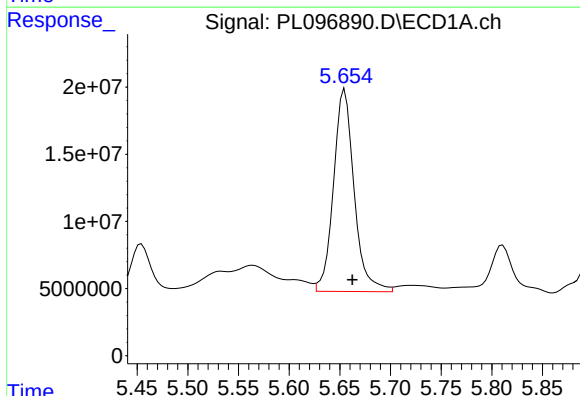
R.T.: 4.738 min
Delta R.T.: -0.005 min
Response: 176512356
Conc: 44.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS



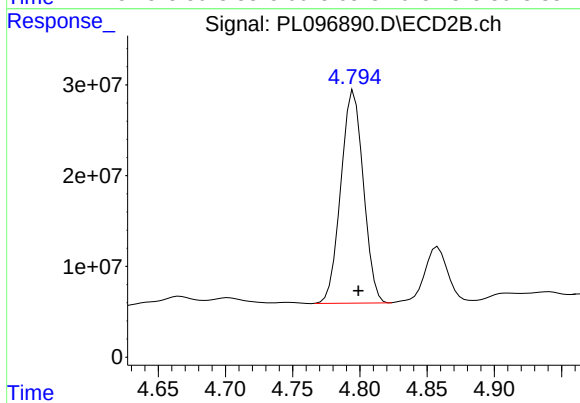
#7 delta-BHC

R.T.: 4.192 min
Delta R.T.: -0.003 min
Response: 276637976
Conc: 42.73 ng/ml



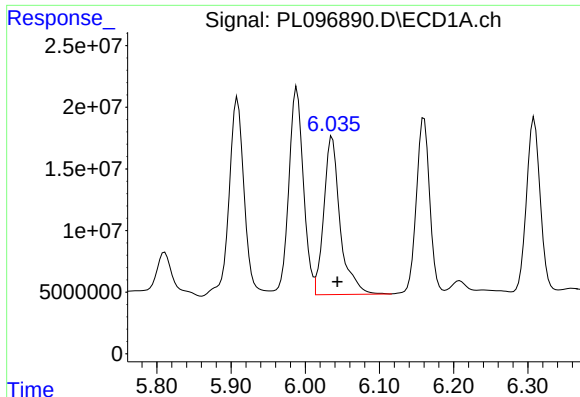
#8 Heptachlor epoxide

R.T.: 5.655 min
Delta R.T.: -0.007 min
Response: 213634118
Conc: 55.40 ng/ml



#8 Heptachlor epoxide

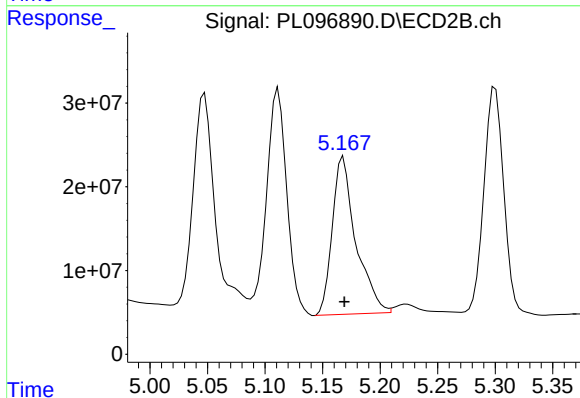
R.T.: 4.795 min
Delta R.T.: -0.004 min
Response: 272222641
Conc: 47.66 ng/ml



#9 Endosulfan I

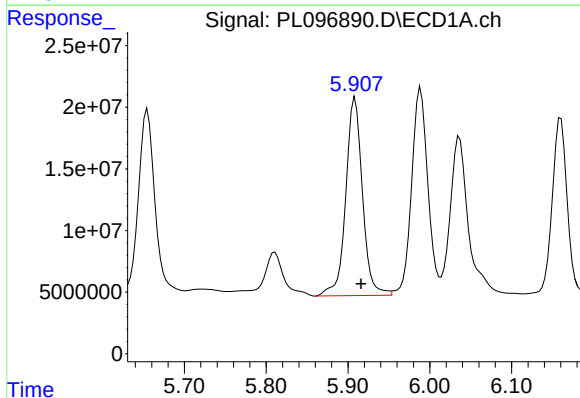
R.T.: 6.036 min
Delta R.T.: -0.007 min
Response: 196163177
Conc: 54.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS



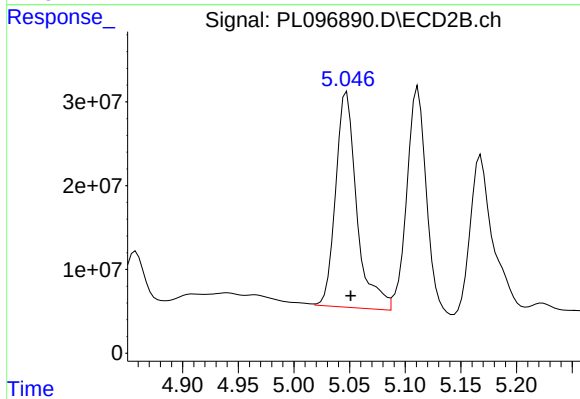
#9 Endosulfan I

R.T.: 5.168 min
Delta R.T.: -0.001 min
Response: 268605688
Conc: 48.56 ng/ml



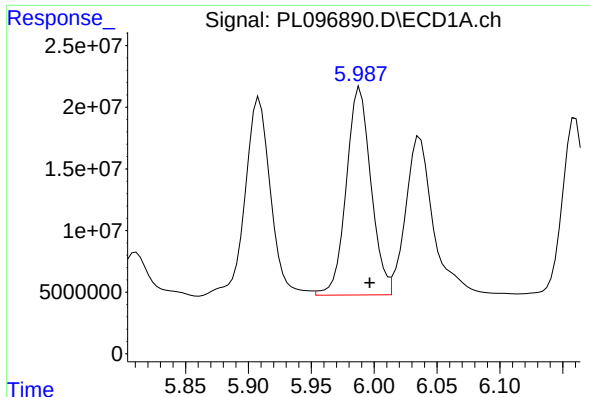
#10 gamma-Chlordane

R.T.: 5.909 min
Delta R.T.: -0.007 min
Response: 227173696
Conc: 59.70 ng/ml



#10 gamma-Chlordane

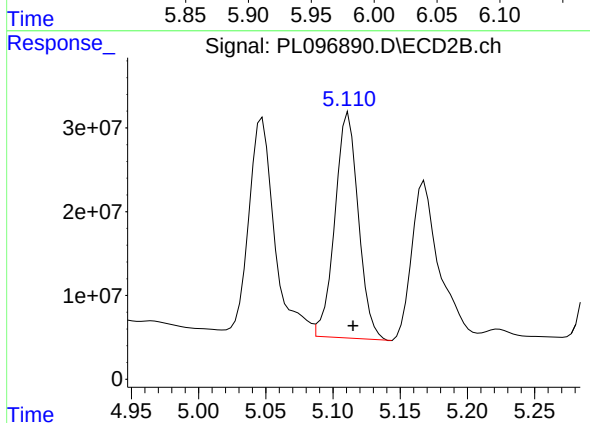
R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 340170779
Conc: 57.85 ng/ml



#11 alpha-Chlordane

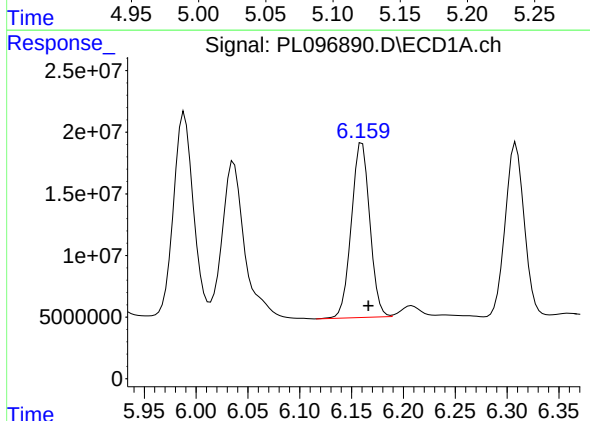
R.T.: 5.989 min
Delta R.T.: -0.008 min
Response: 230118690
Conc: 59.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS



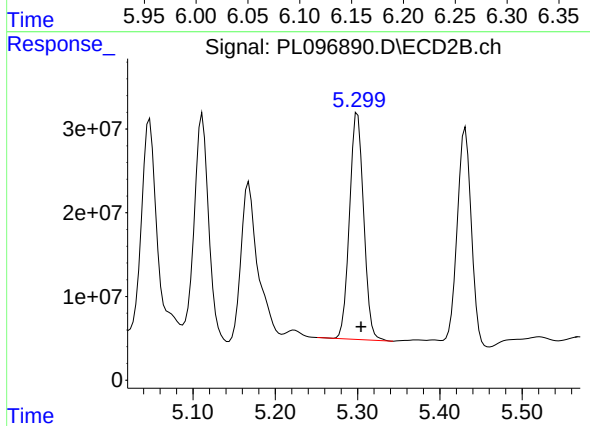
#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 326814012
Conc: 55.40 ng/ml



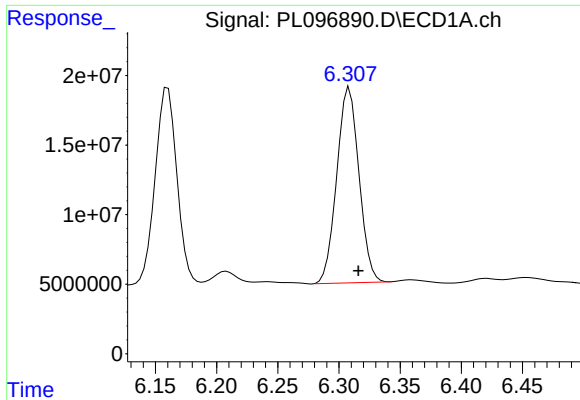
#12 4,4'-DDE

R.T.: 6.160 min
Delta R.T.: -0.006 min
Response: 175572777
Conc: 54.67 ng/ml



#12 4,4'-DDE

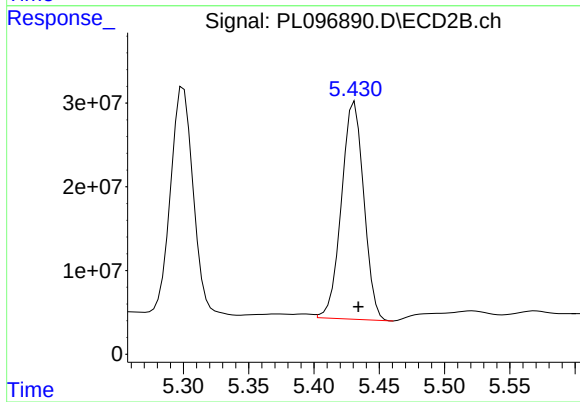
R.T.: 5.300 min
Delta R.T.: -0.004 min
Response: 324115729
Conc: 58.78 ng/ml



#13 Dieldrin

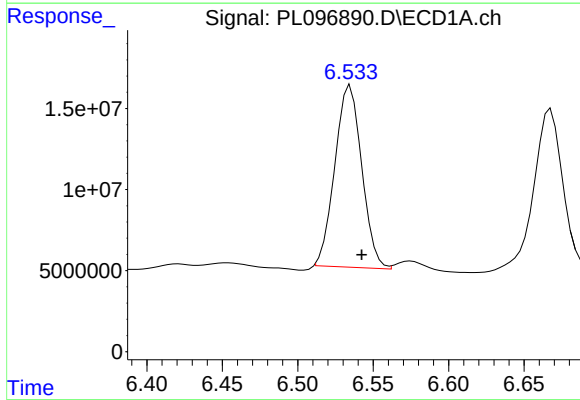
R.T.: 6.309 min
Delta R.T.: -0.007 min
Response: 177391013
Conc: 47.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS



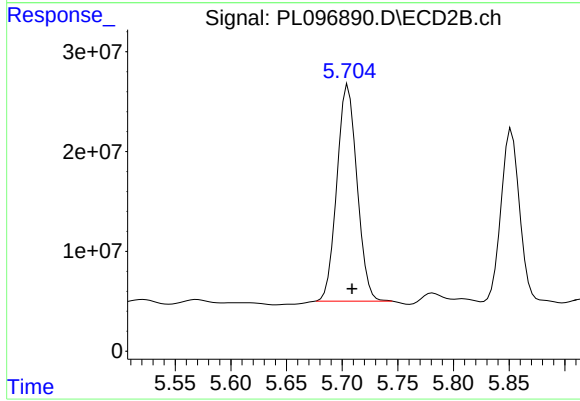
#13 Dieldrin

R.T.: 5.431 min
Delta R.T.: -0.003 min
Response: 309871944
Conc: 52.46 ng/ml



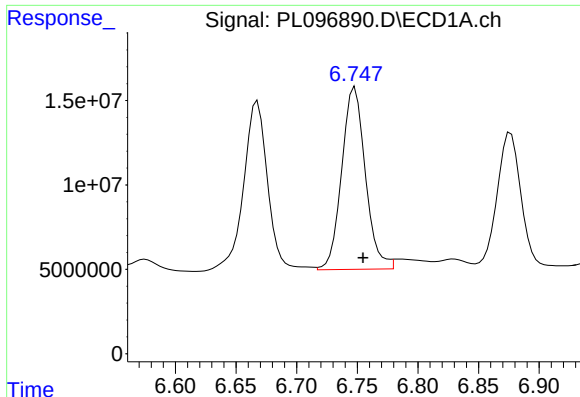
#14 Endrin

R.T.: 6.535 min
Delta R.T.: -0.008 min
Response: 138868635
Conc: 45.88 ng/ml



#14 Endrin

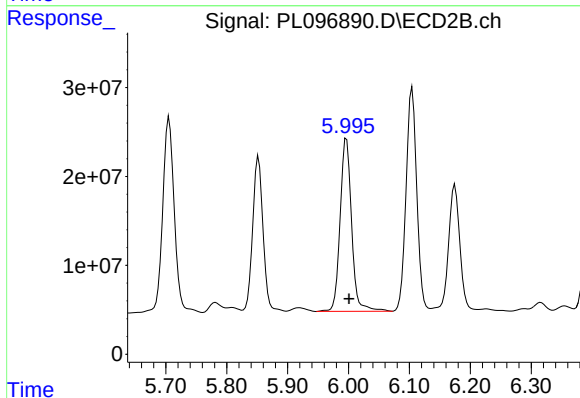
R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 273101375
Conc: 50.52 ng/ml



#15 Endosulfan II

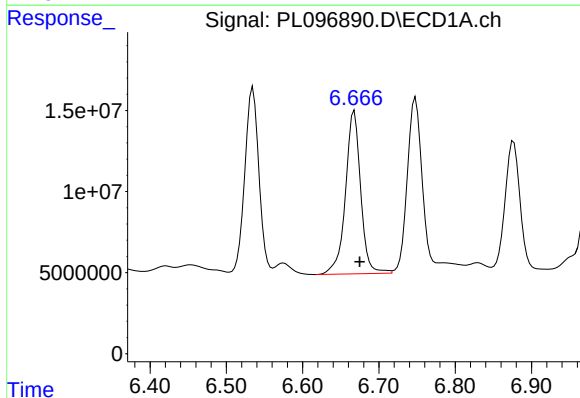
R.T.: 6.748 min
Delta R.T.: -0.007 min
Response: 146714709
Conc: 45.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS



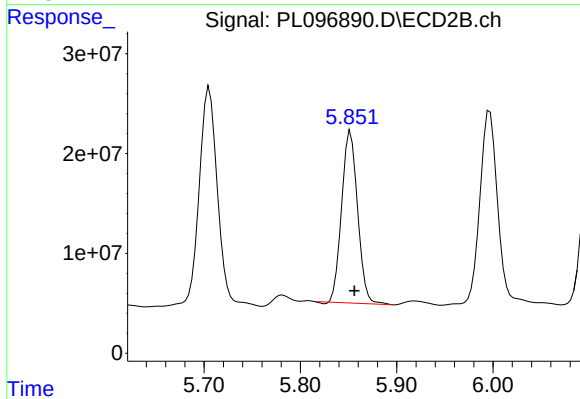
#15 Endosulfan II

R.T.: 5.997 min
Delta R.T.: -0.004 min
Response: 255174275
Conc: 49.68 ng/ml



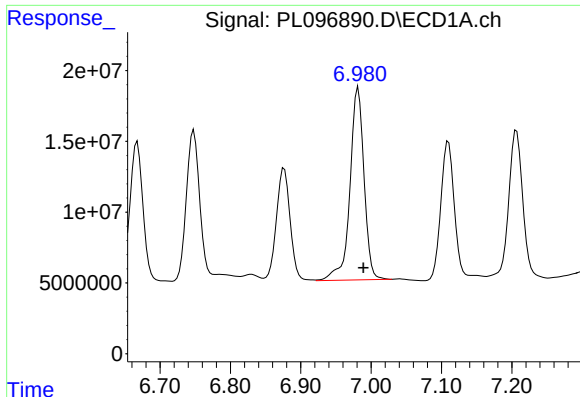
#16 4,4'-DDD

R.T.: 6.668 min
Delta R.T.: -0.007 min
Response: 139512593
Conc: 55.18 ng/ml



#16 4,4'-DDD

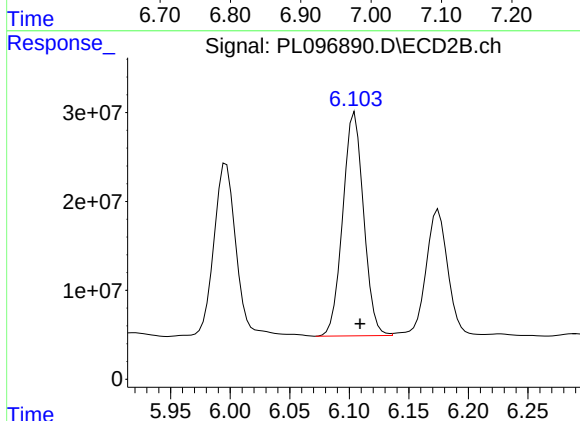
R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 196894751
Conc: 41.85 ng/ml



#17 4,4'-DDT

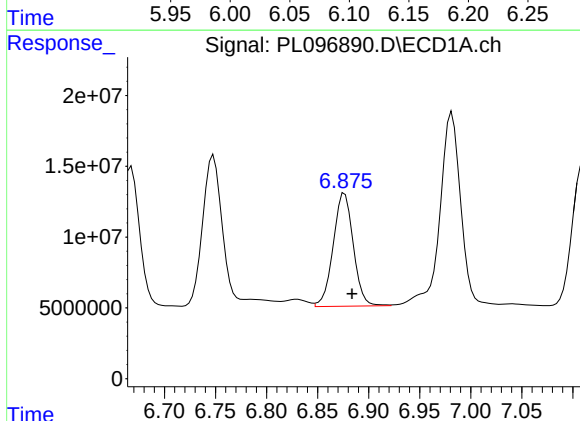
R.T.: 6.982 min
Delta R.T.: -0.008 min
Response: 189693920
Conc: 66.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS



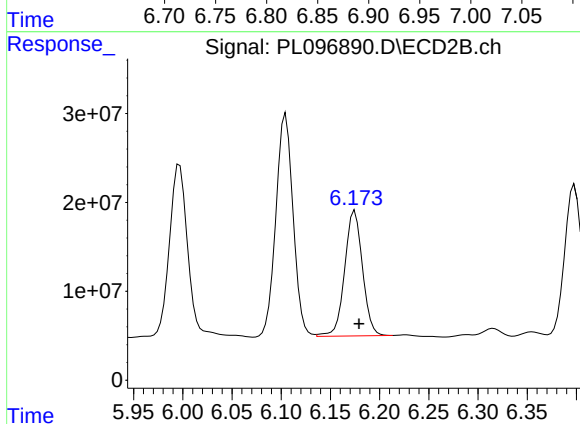
#17 4,4'-DDT

R.T.: 6.105 min
Delta R.T.: -0.004 min
Response: 305877142
Conc: 60.47 ng/ml



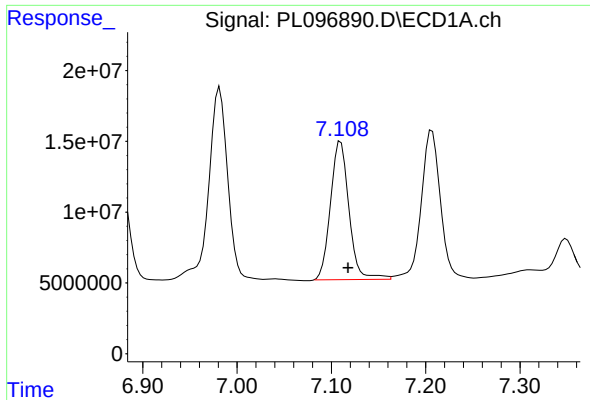
#18 Endrin aldehyde

R.T.: 6.877 min
Delta R.T.: -0.007 min
Response: 109581707
Conc: 51.07 ng/ml



#18 Endrin aldehyde

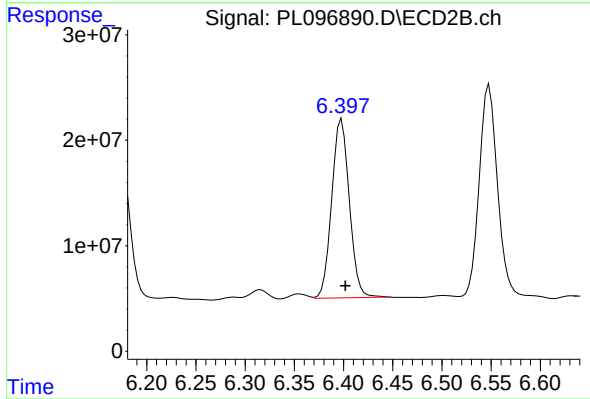
R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 177866037
Conc: 48.93 ng/ml



#19 Endosulfan Sulfate

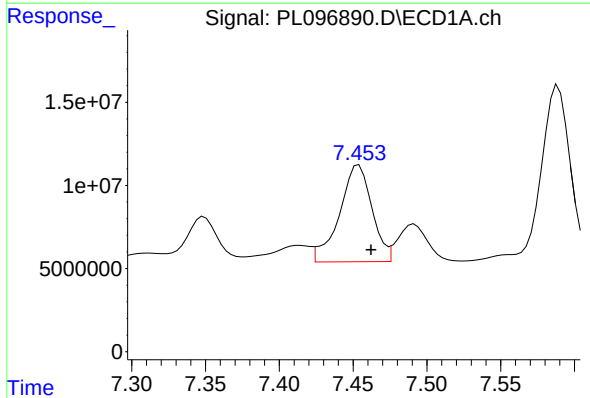
R.T.: 7.110 min
Delta R.T.: -0.008 min
Response: 133438319
Conc: 46.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS



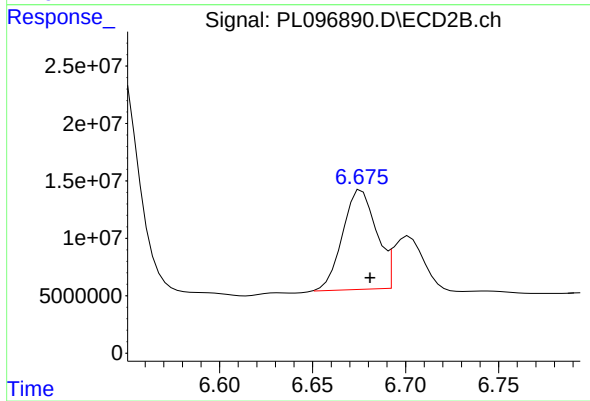
#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 211535405
Conc: 41.59 ng/ml



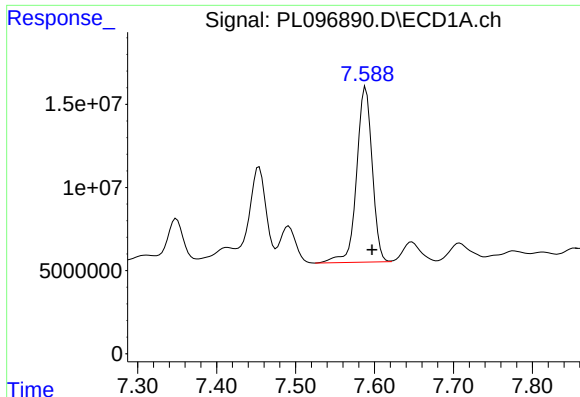
#20 Methoxychlor

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 89158426
Conc: 60.72 ng/ml



#20 Methoxychlor

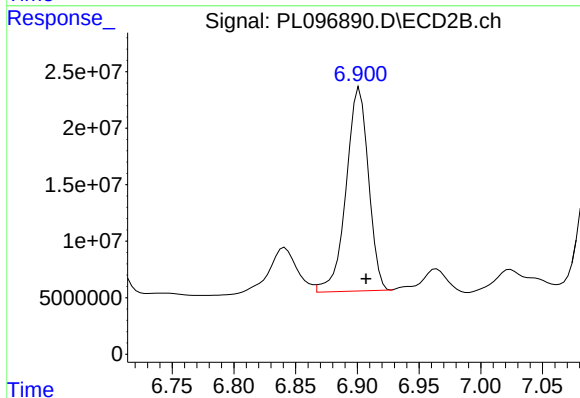
R.T.: 6.676 min
Delta R.T.: -0.005 min
Response: 109075666
Conc: 39.80 ng/ml



#21 Endrin ketone

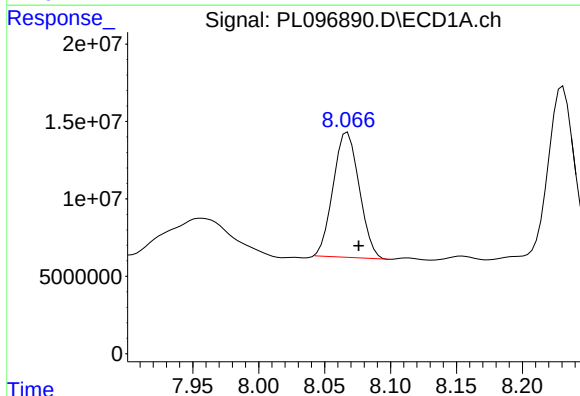
R.T.: 7.589 min
Delta R.T.: -0.008 min
Response: 144157295
Conc: 47.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS



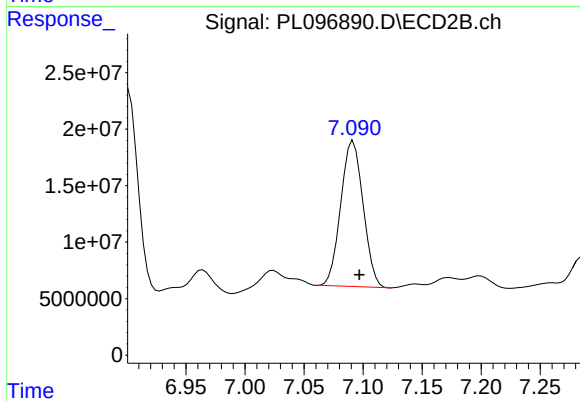
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 226733972
Conc: 40.71 ng/ml



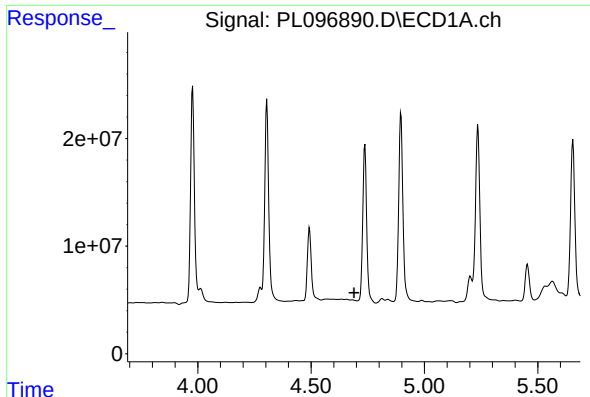
#22 Mirex

R.T.: 8.067 min
Delta R.T.: -0.008 min
Response: 111058288
Conc: 44.79 ng/ml



#22 Mirex

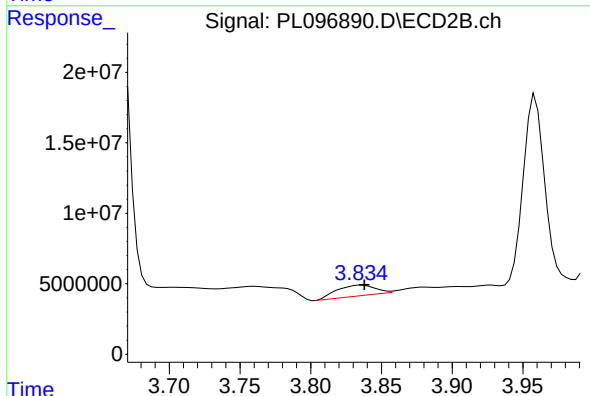
R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 170019709
Conc: 38.99 ng/ml



#23 Chlordane-1

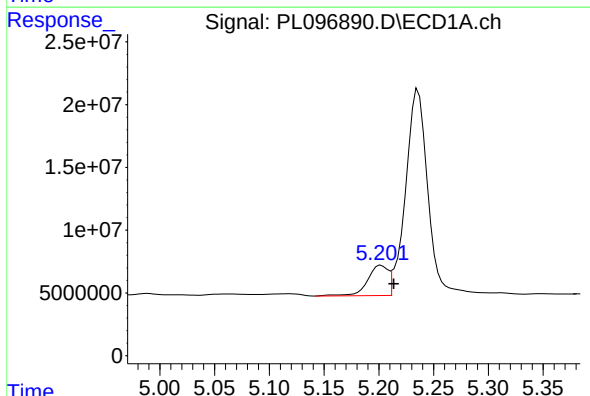
R.T.: 0.000 min
Exp R.T.: 4.690 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS



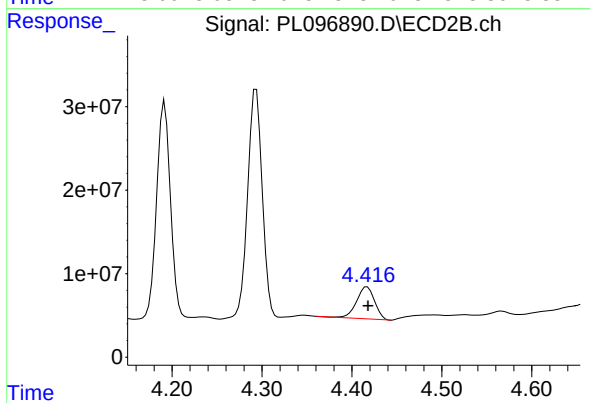
#23 Chlordane-1

R.T.: 3.836 min
Delta R.T.: -0.002 min
Response: 14396550
Conc: 68.67 ng/ml



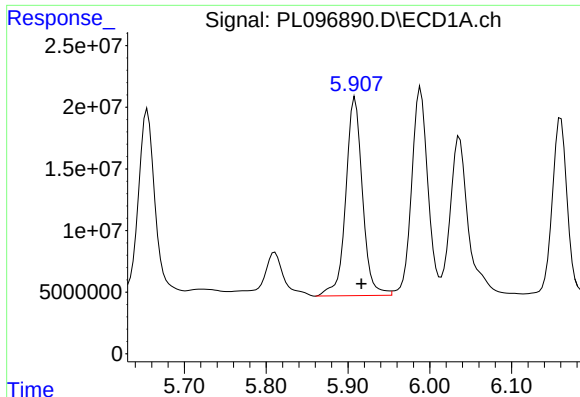
#24 Chlordane-2

R.T.: 5.202 min
Delta R.T.: -0.011 min
Response: 31244837
Conc: 178.53 ng/ml



#24 Chlordane-2

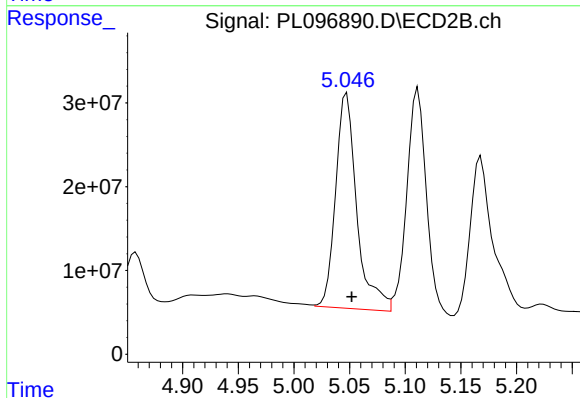
R.T.: 4.417 min
Delta R.T.: -0.001 min
Response: 53683119
Conc: 221.29 ng/ml



#25 Chlordane-3

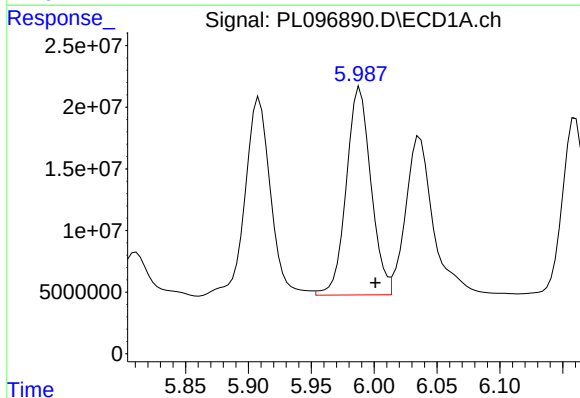
R.T.: 5.909 min
Delta R.T.: -0.008 min
Response: 227173696
Conc: 340.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS



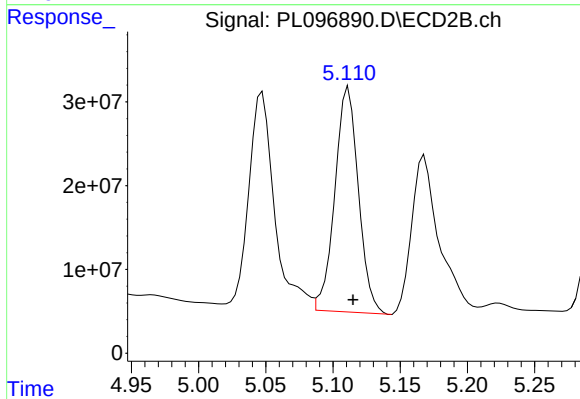
#25 Chlordane-3

R.T.: 5.047 min
Delta R.T.: -0.005 min
Response: 340170779
Conc: 489.24 ng/ml



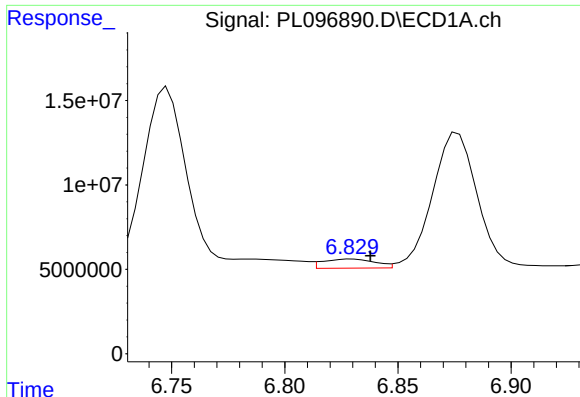
#26 Chlordane-4

R.T.: 5.989 min
Delta R.T.: -0.012 min
Response: 230118690
Conc: 278.02 ng/ml



#26 Chlordane-4

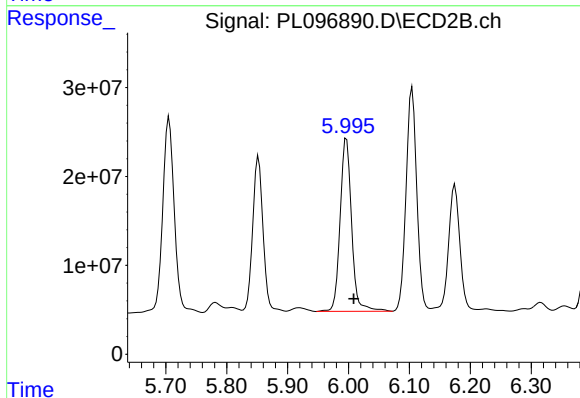
R.T.: 5.111 min
Delta R.T.: -0.003 min
Response: 326814012
Conc: 525.14 ng/ml



#27 Chlordane-5

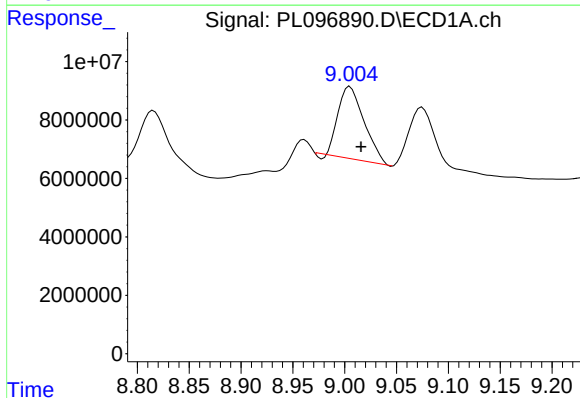
R.T.: 6.830 min
Delta R.T.: -0.008 min
Response: 8616445
Conc: 65.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MS



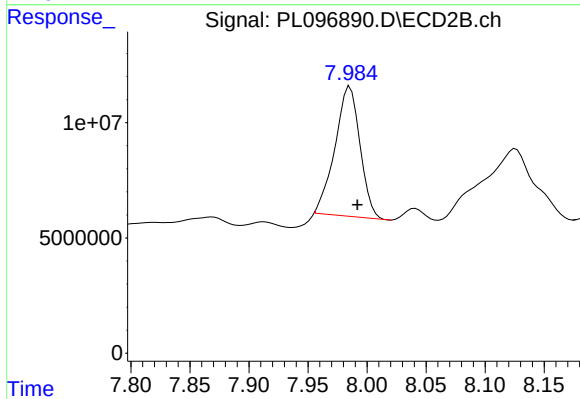
#27 Chlordane-5

R.T.: 5.997 min
Delta R.T.: -0.012 min
Response: 255174275
Conc: 1000.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.005 min
Delta R.T.: -0.011 min
Response: 42817305
Conc: 17.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 82988510
Conc: 19.13 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
 Data File : PL096891.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 14:26
 Operator : AR\AJ
 Sample : Q2888-01MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 VNJ-210MSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 20 01:37:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.826	86912065	100.5E6	27.324	21.026
28)	SA Decachlor...	9.005	7.986	41744397	86539574	17.505	19.948
Target Compounds							
2)	A alpha-BHC	3.977	3.331	239.2E6	372.7E6	51.714	52.657
3)	MA gamma-BHC...	4.305	3.663	201.8E6	343.5E6	45.611	52.014
4)	MA Heptachlor	4.896	4.011	240.6E6	341.1E6	57.896	51.205
5)	MB Aldrin	5.236	4.293	241.4E6	315.2E6	56.132	50.778
6)	B beta-BHC	4.493	3.959	82985406	149.6E6	45.976	53.032
7)	B delta-BHC	4.737	4.192	182.9E6	282.9E6	45.829	43.705
8)	B Heptachlo...	5.655	4.795	227.5E6	278.0E6	58.978	48.678
9)	A Endosulfan I	6.036	5.167	207.9E6	274.2E6	57.801	49.564
10)	B gamma-Chl...	5.909	5.047	244.3E6	345.5E6	64.190	58.757
11)	B alpha-Chl...	5.989	5.111	245.8E6	335.0E6	63.768	56.783
12)	B 4,4'-DDE	6.160	5.300	178.5E6	336.2E6	55.581	60.960
13)	MA Dieldrin	6.308	5.430	186.0E6	323.1E6	50.113	54.707
14)	MA Endrin	6.535	5.705	148.8E6	282.6E6	49.176	52.282
15)	B Endosulfa...	6.748	5.997	167.3E6	265.2E6	52.237	51.629
16)	A 4,4'-DDD	6.668	5.852	148.3E6	203.4E6	58.672	43.219 #
17)	MA 4,4'-DDT	6.982	6.104	196.4E6	316.9E6	68.503	62.658
18)	B Endrin al...	6.876	6.175	110.6E6	176.7E6	51.517	48.596
19)	B Endosulfa...	7.109	6.398	136.7E6	214.7E6	47.568	42.219
20)	A Methoxychlor	7.454	6.677	96136509	113.5E6	65.472	41.423 #
21)	B Endrin ke...	7.589	6.902	148.2E6	236.5E6	49.292	42.460
22)	Mirex	8.067	7.092	113.3E6	177.2E6	45.689	40.640
23)	Chlordane-1	0.000	3.836	0	13549533	N.D.	64.633 #
24)	Chlordane-2	5.202	4.417	33786171	54868670	193.056	226.178
25)	Chlordane-3	5.909	5.047	244.3E6	345.5E6	365.690	496.904 #
26)	Chlordane-4	5.989	5.111	245.8E6	335.0E6	296.970	538.229 #
27)	Chlordane-5	6.830	5.997	9525699	265.2E6	72.086	1039.458 #

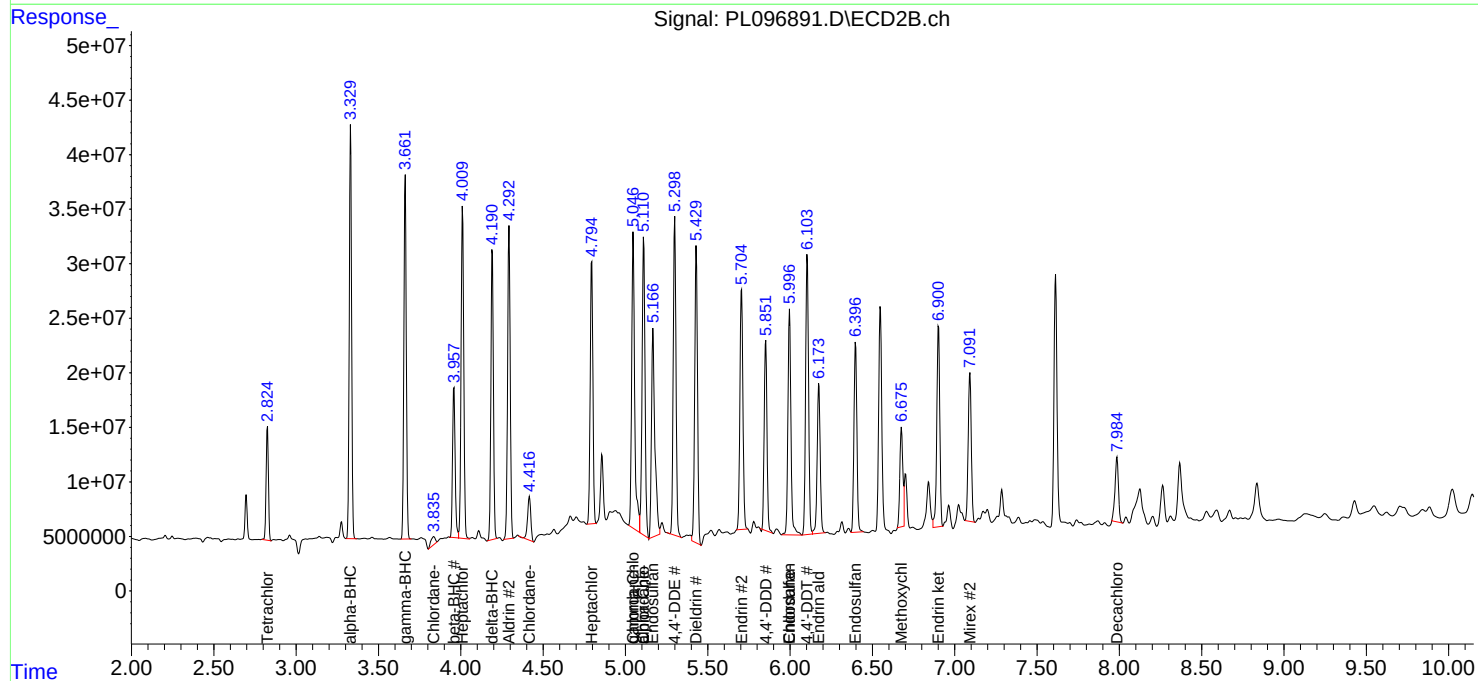
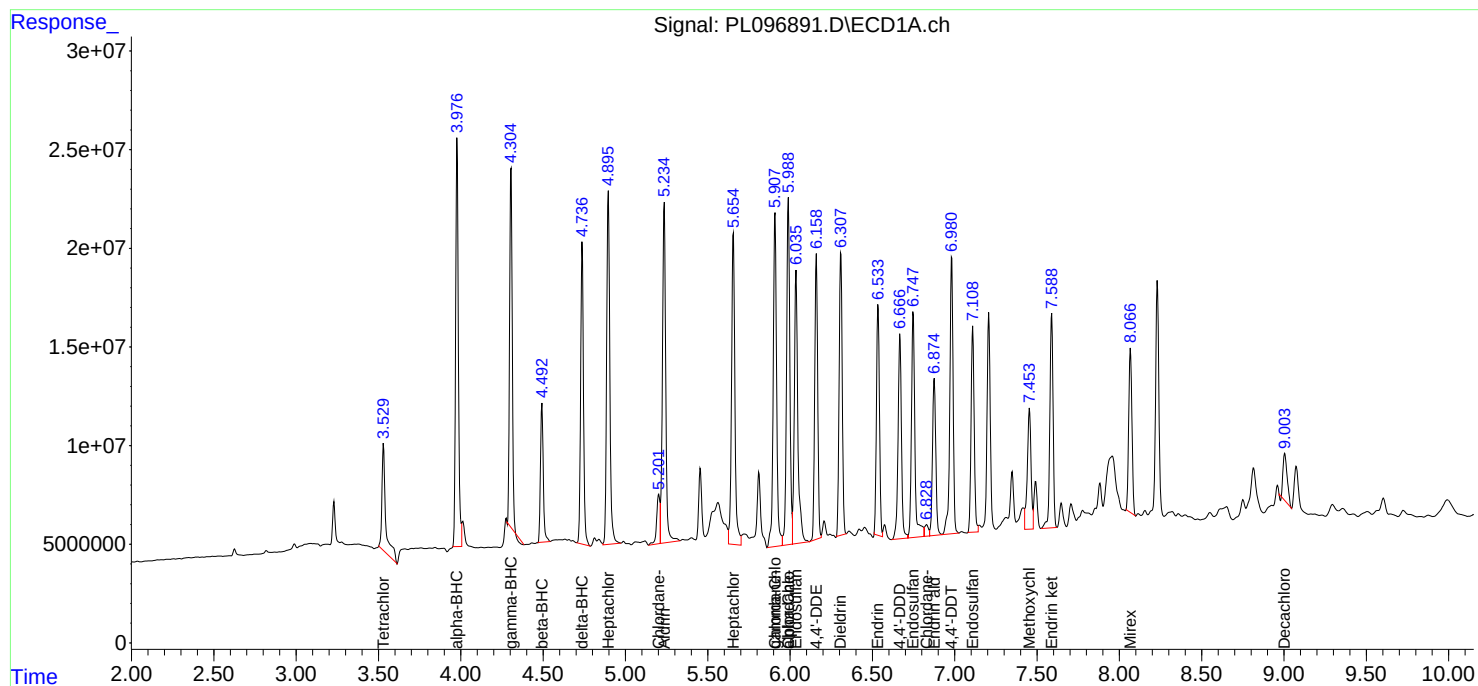
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

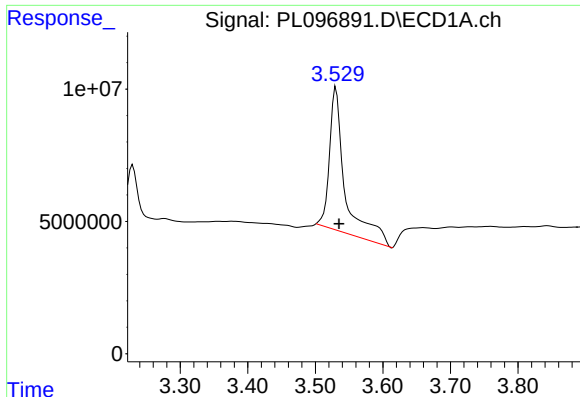
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
Data File : PL096891.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 14:26
Operator : AR\AJ
Sample : Q2888-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 01:37:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

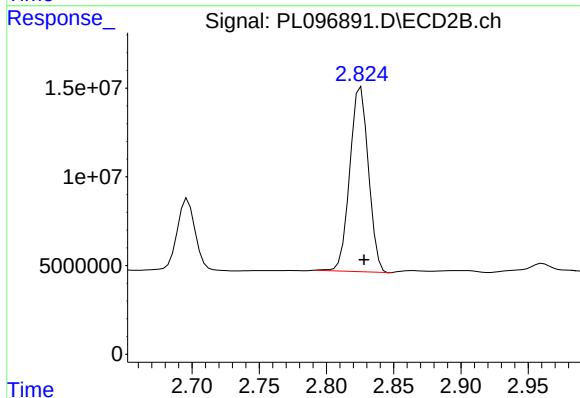




#1 Tetrachloro-m-xylene

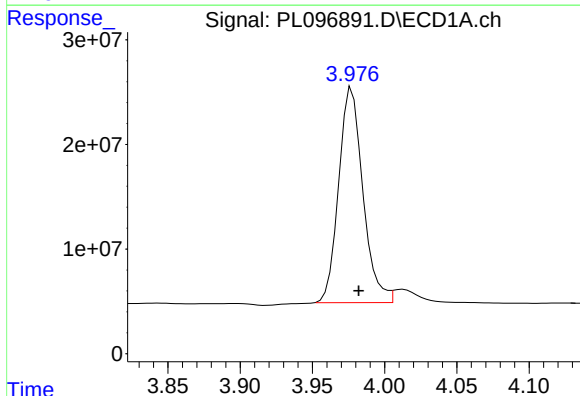
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 86912065
Conc: 27.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD



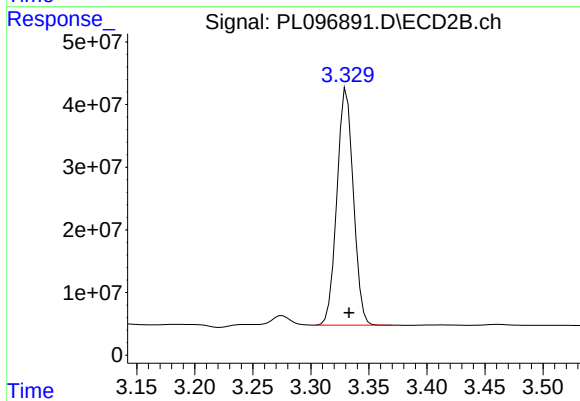
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 100455077
Conc: 21.03 ng/ml



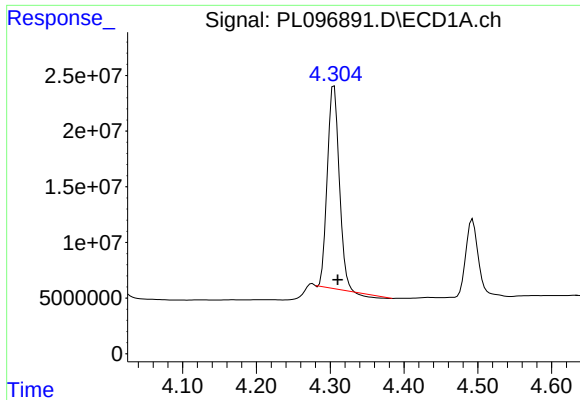
#2 alpha-BHC

R.T.: 3.977 min
Delta R.T.: -0.005 min
Response: 239249165
Conc: 51.71 ng/ml



#2 alpha-BHC

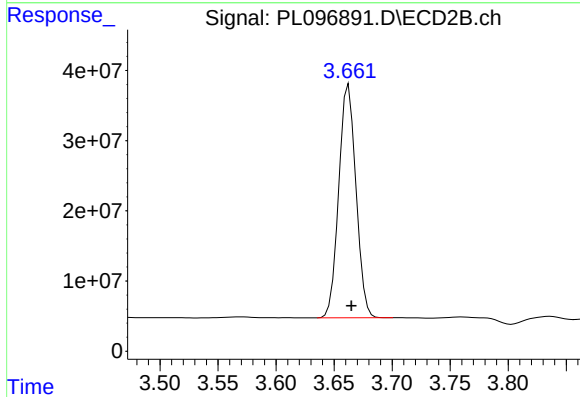
R.T.: 3.331 min
Delta R.T.: -0.002 min
Response: 372658898
Conc: 52.66 ng/ml



#3 gamma-BHC (Lindane)

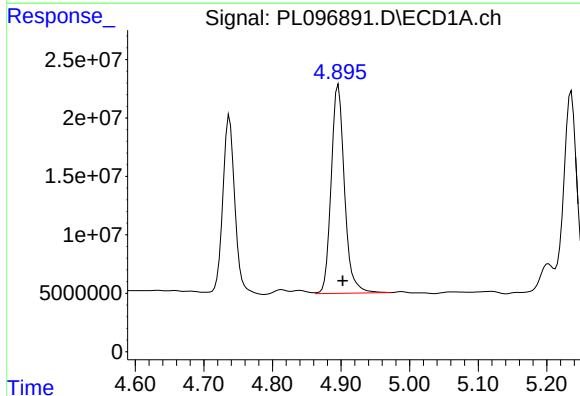
R.T.: 4.305 min
Delta R.T.: -0.005 min
Response: 201759222
Conc: 45.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD



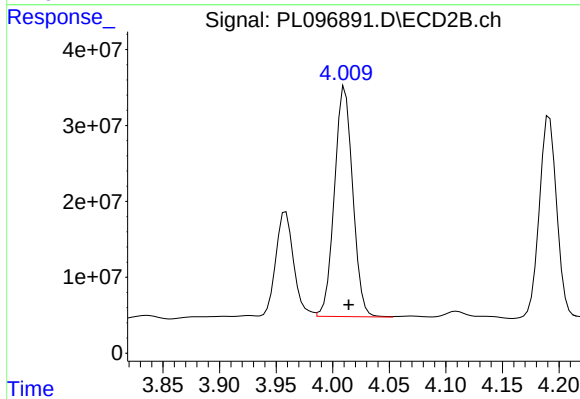
#3 gamma-BHC (Lindane)

R.T.: 3.663 min
Delta R.T.: -0.002 min
Response: 343464907
Conc: 52.01 ng/ml



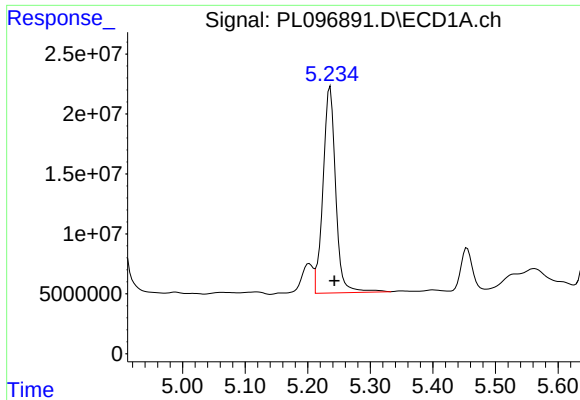
#4 Heptachlor

R.T.: 4.896 min
Delta R.T.: -0.007 min
Response: 240596960
Conc: 57.90 ng/ml



#4 Heptachlor

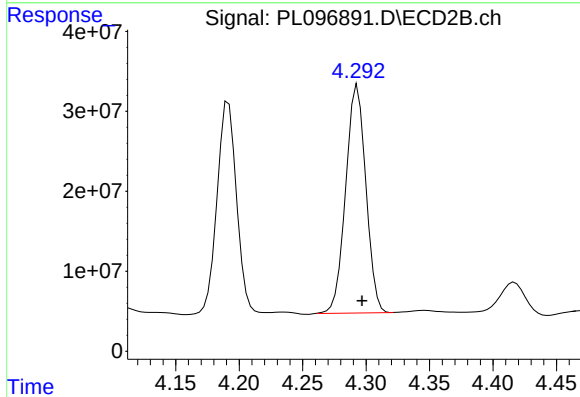
R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 341125856
Conc: 51.21 ng/ml



#5 Aldrin

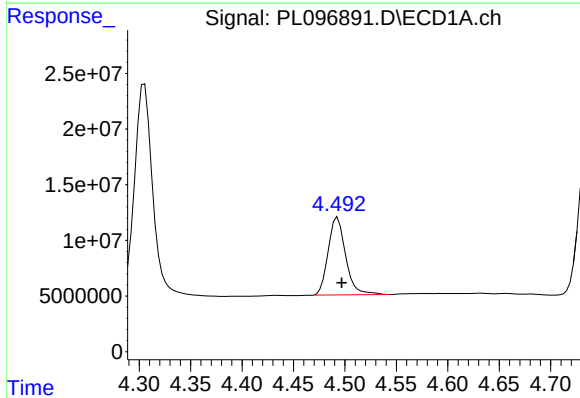
R.T.: 5.236 min
Delta R.T.: -0.007 min
Response: 241422672
Conc: 56.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD



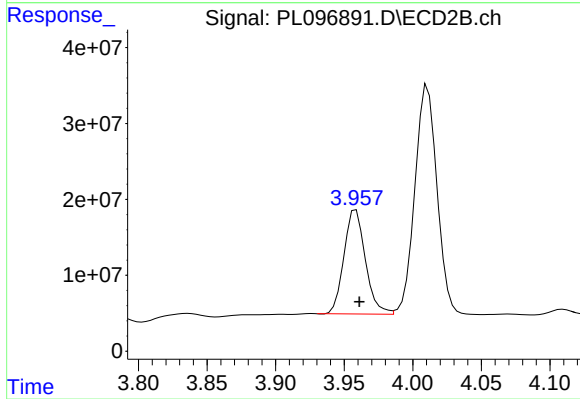
#5 Aldrin

R.T.: 4.293 min
Delta R.T.: -0.004 min
Response: 315182898
Conc: 50.78 ng/ml



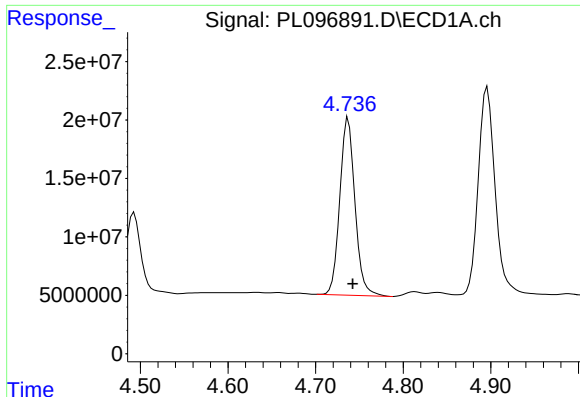
#6 beta-BHC

R.T.: 4.493 min
Delta R.T.: -0.004 min
Response: 82985406
Conc: 45.98 ng/ml



#6 beta-BHC

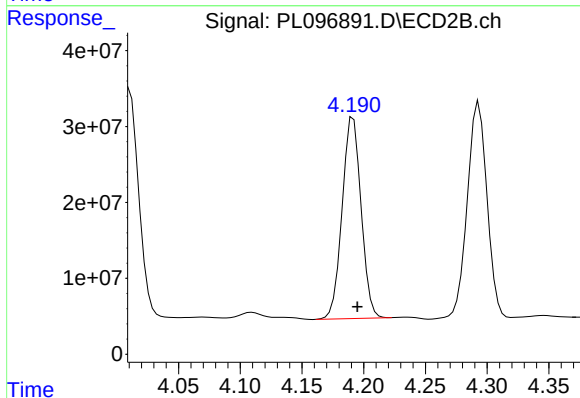
R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 149599194
Conc: 53.03 ng/ml



#7 delta-BHC

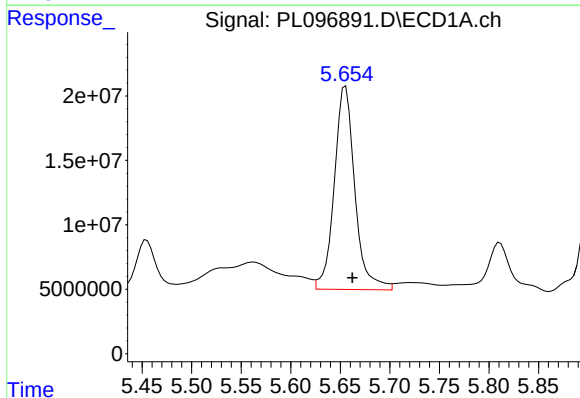
R.T.: 4.737 min
Delta R.T.: -0.005 min
Response: 182853086
Conc: 45.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD



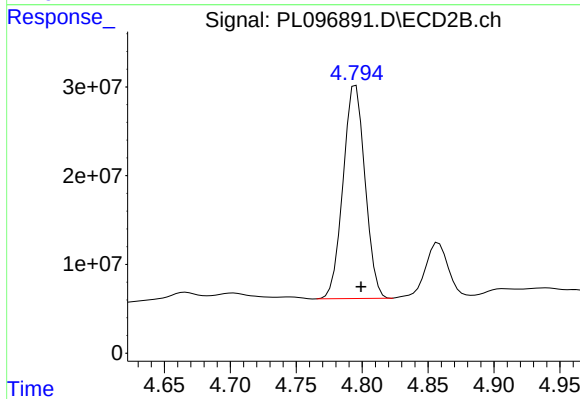
#7 delta-BHC

R.T.: 4.192 min
Delta R.T.: -0.003 min
Response: 282929191
Conc: 43.70 ng/ml



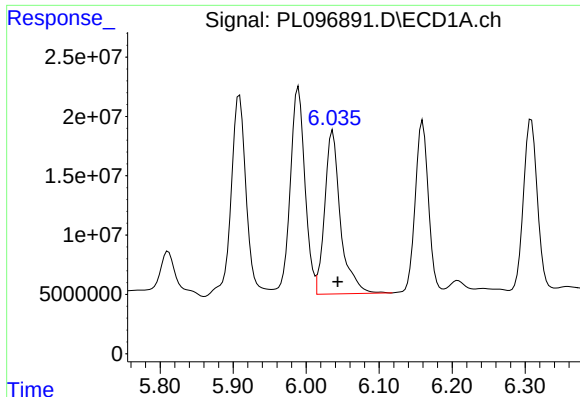
#8 Heptachlor epoxide

R.T.: 5.655 min
Delta R.T.: -0.007 min
Response: 227451631
Conc: 58.98 ng/ml



#8 Heptachlor epoxide

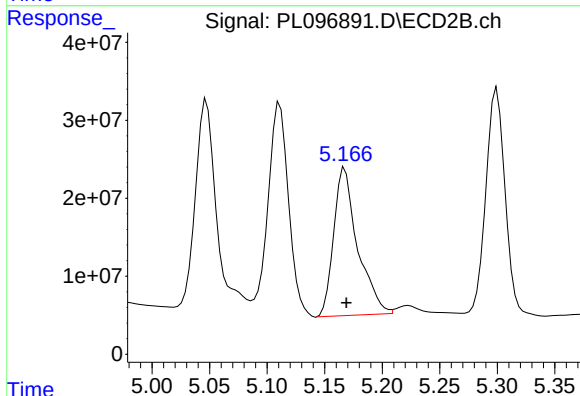
R.T.: 4.795 min
Delta R.T.: -0.004 min
Response: 278018939
Conc: 48.68 ng/ml



#9 Endosulfan I

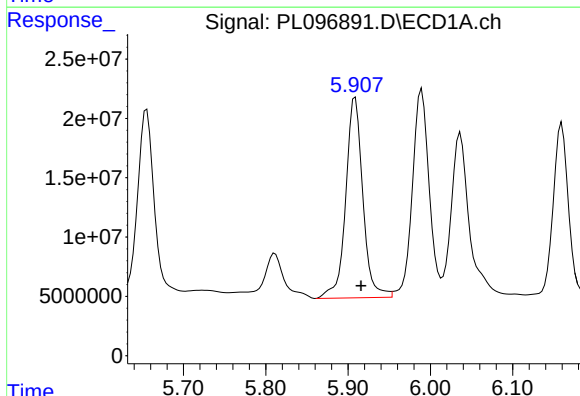
R.T.: 6.036 min
Delta R.T.: -0.007 min
Response: 207872783
Conc: 57.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD



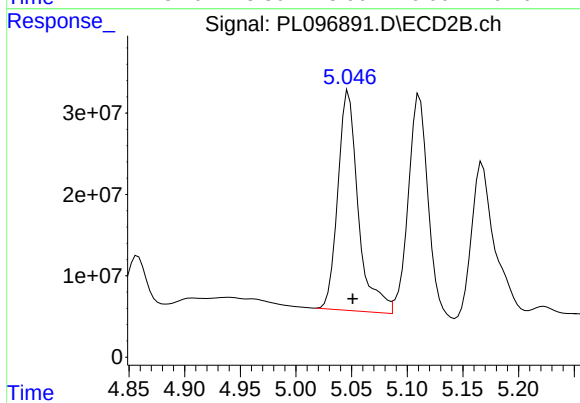
#9 Endosulfan I

R.T.: 5.167 min
Delta R.T.: -0.002 min
Response: 274160923
Conc: 49.56 ng/ml



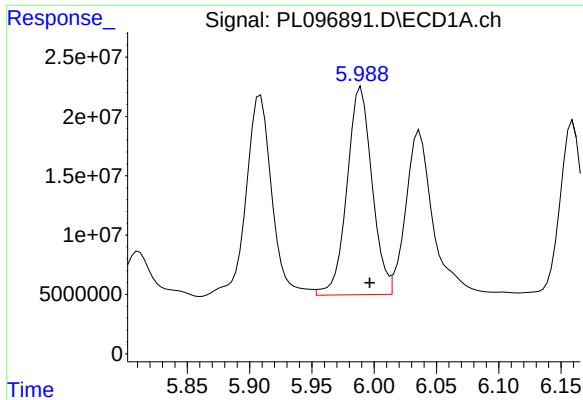
#10 gamma-Chlordane

R.T.: 5.909 min
Delta R.T.: -0.007 min
Response: 244257669
Conc: 64.19 ng/ml



#10 gamma-Chlordane

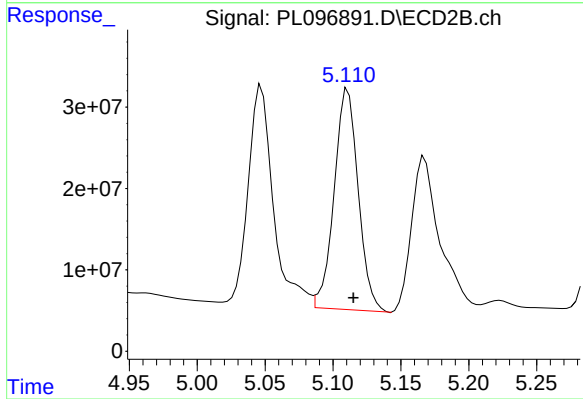
R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 345498462
Conc: 58.76 ng/ml



#11 alpha-Chlordane

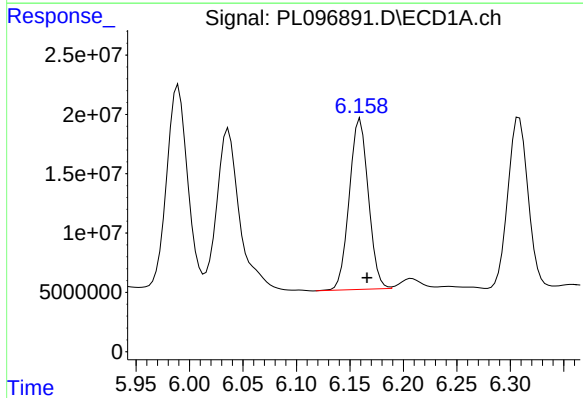
R.T.: 5.989 min
Delta R.T.: -0.007 min
Response: 245801509
Conc: 63.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD



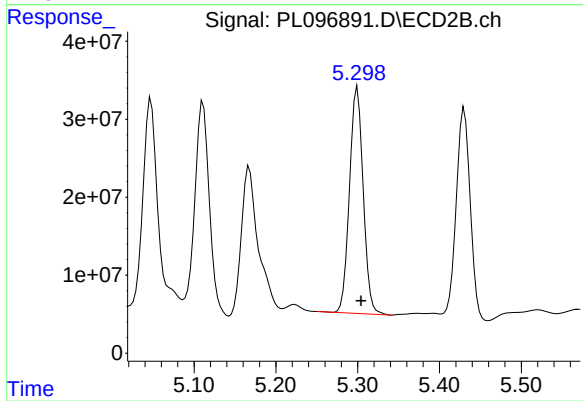
#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 334957101
Conc: 56.78 ng/ml



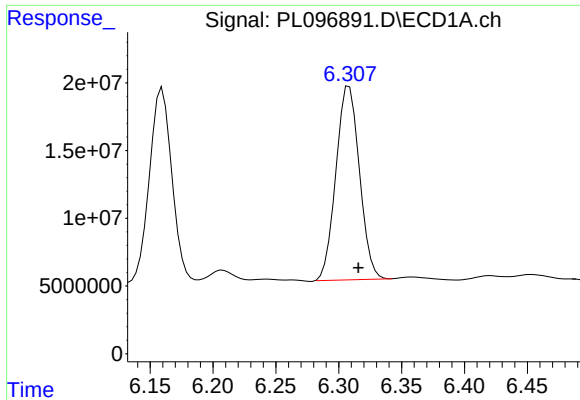
#12 4,4'-DDE

R.T.: 6.160 min
Delta R.T.: -0.006 min
Response: 178485322
Conc: 55.58 ng/ml



#12 4,4'-DDE

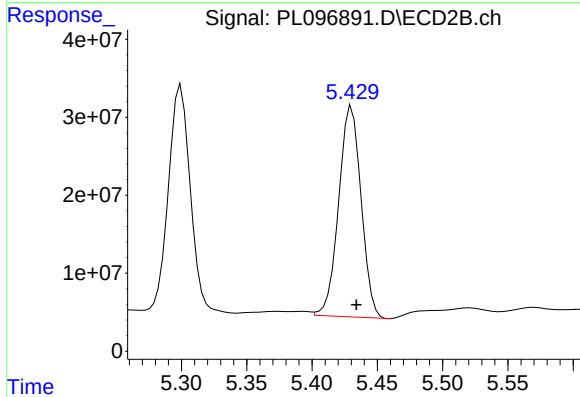
R.T.: 5.300 min
Delta R.T.: -0.004 min
Response: 336159872
Conc: 60.96 ng/ml



#13 Dieldrin

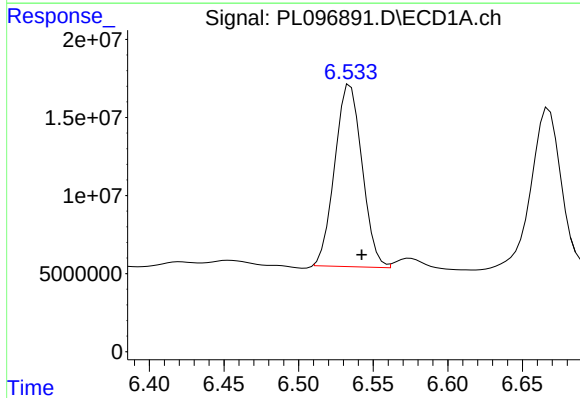
R.T.: 6.308 min
Delta R.T.: -0.007 min
Response: 185975760
Conc: 50.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD



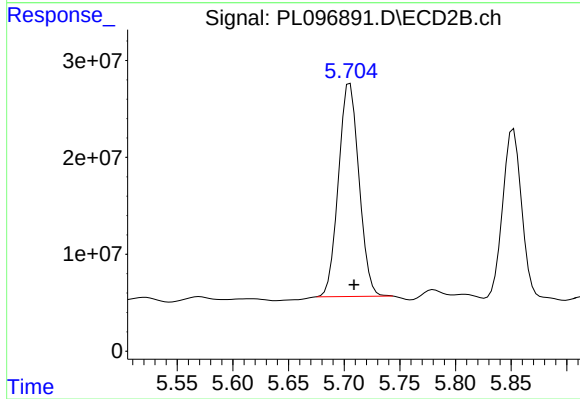
#13 Dieldrin

R.T.: 5.430 min
Delta R.T.: -0.004 min
Response: 323130171
Conc: 54.71 ng/ml



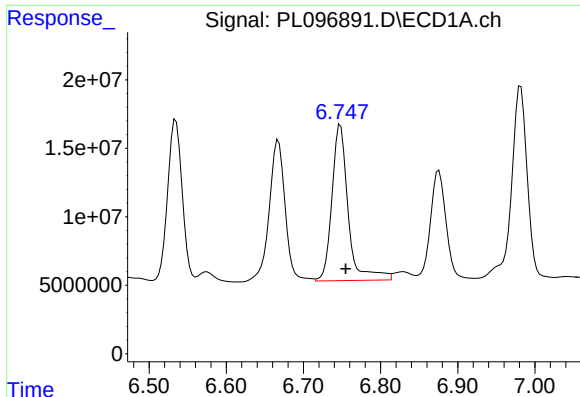
#14 Endrin

R.T.: 6.535 min
Delta R.T.: -0.008 min
Response: 148843985
Conc: 49.18 ng/ml



#14 Endrin

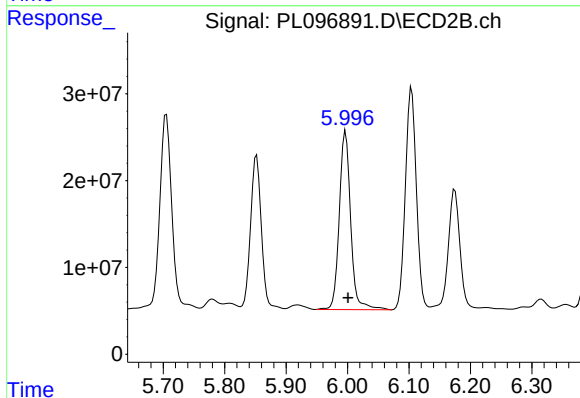
R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 282635739
Conc: 52.28 ng/ml



#15 Endosulfan II

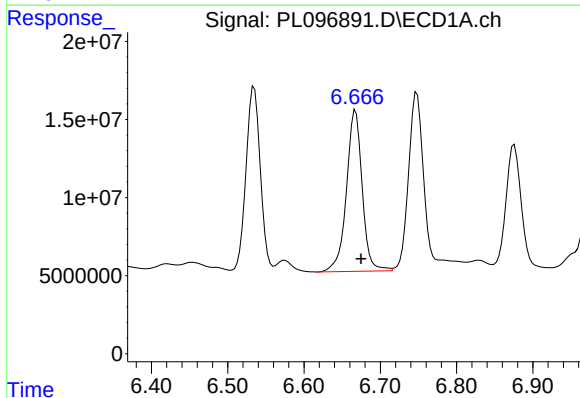
R.T.: 6.748 min
Delta R.T.: -0.007 min
Response: 167297180
Conc: 52.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD



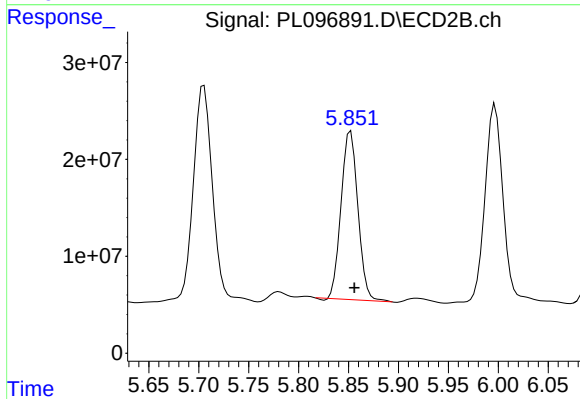
#15 Endosulfan II

R.T.: 5.997 min
Delta R.T.: -0.004 min
Response: 265178125
Conc: 51.63 ng/ml



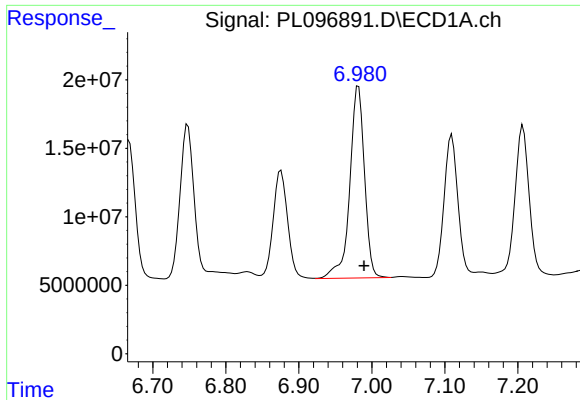
#16 4,4'-DDD

R.T.: 6.668 min
Delta R.T.: -0.007 min
Response: 148345646
Conc: 58.67 ng/ml



#16 4,4'-DDD

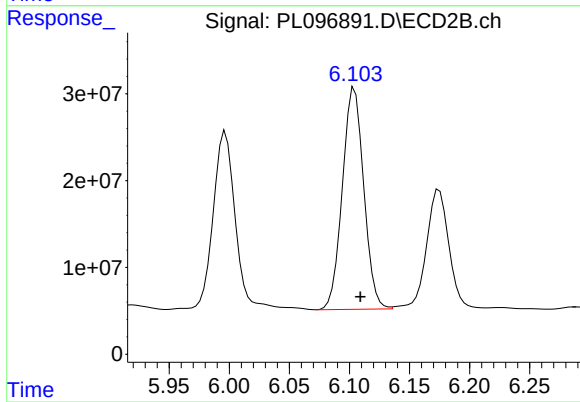
R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 203356114
Conc: 43.22 ng/ml



#17 4,4'-DDT

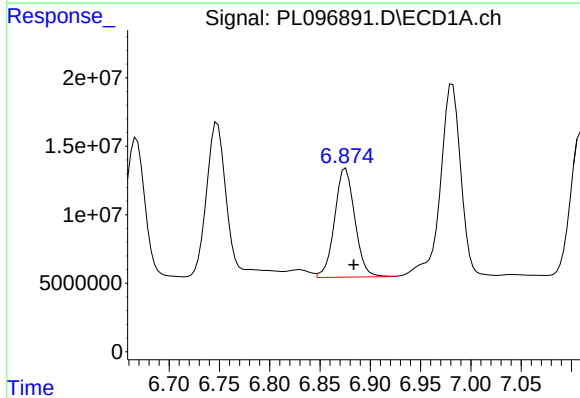
R.T.: 6.982 min
Delta R.T.: -0.007 min
Response: 196446057
Conc: 68.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD



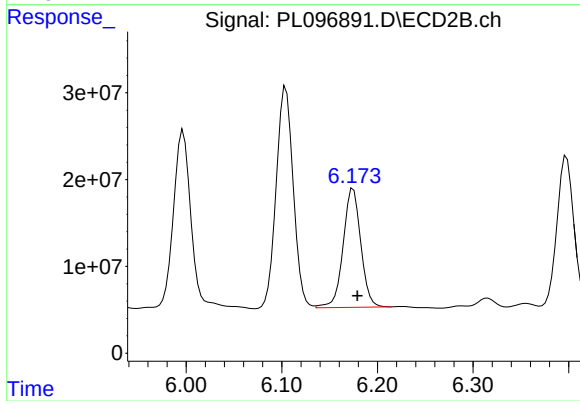
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 316943877
Conc: 62.66 ng/ml



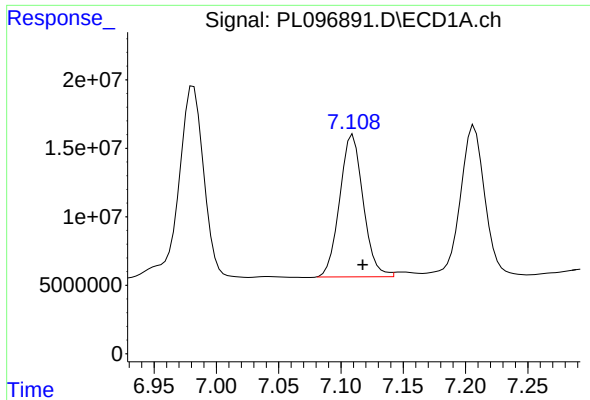
#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: -0.008 min
Response: 110552078
Conc: 51.52 ng/ml



#18 Endrin aldehyde

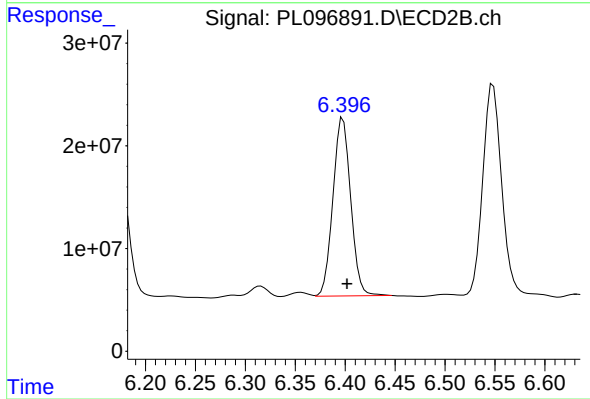
R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 176650597
Conc: 48.60 ng/ml



#19 Endosulfan Sulfate

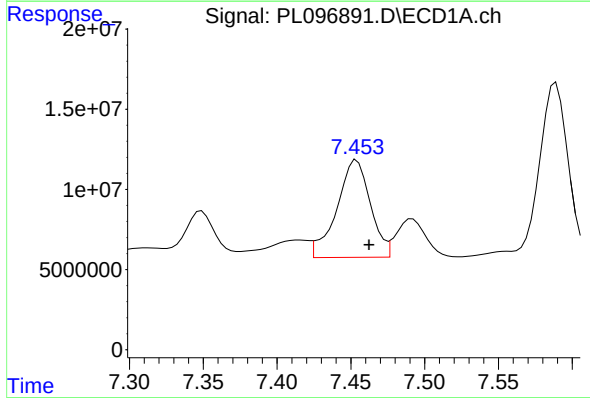
R.T.: 7.109 min
Delta R.T.: -0.008 min
Response: 136694923
Conc: 47.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD



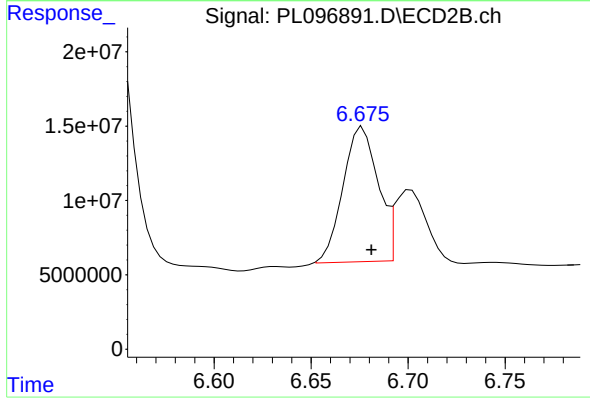
#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 214733701
Conc: 42.22 ng/ml



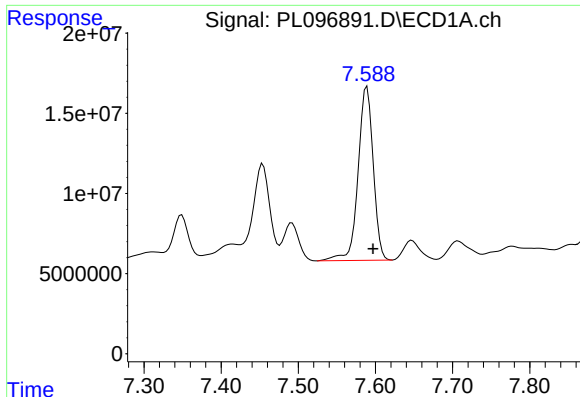
#20 Methoxychlor

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 96136509
Conc: 65.47 ng/ml



#20 Methoxychlor

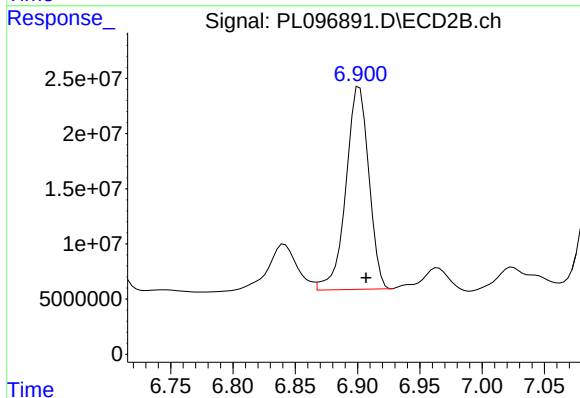
R.T.: 6.677 min
Delta R.T.: -0.004 min
Response: 113520955
Conc: 41.42 ng/ml



#21 Endrin ketone

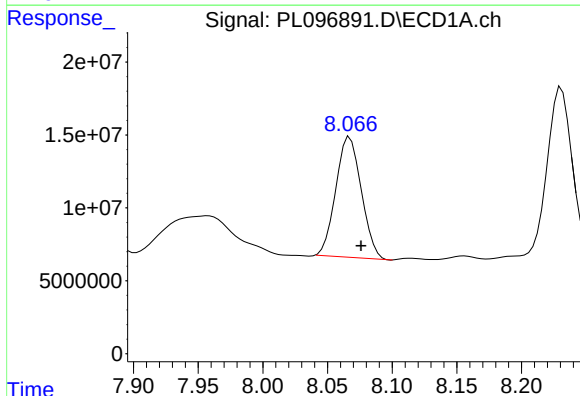
R.T.: 7.589 min
Delta R.T.: -0.008 min
Response: 148206370
Conc: 49.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD



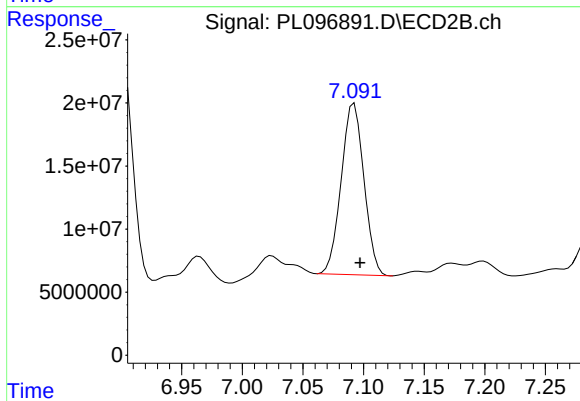
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 236489481
Conc: 42.46 ng/ml



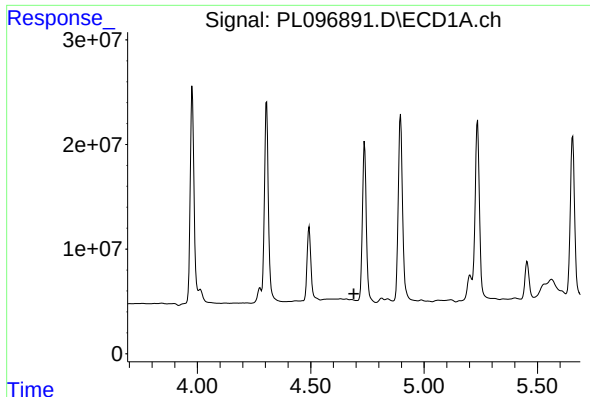
#22 Mirex

R.T.: 8.067 min
Delta R.T.: -0.009 min
Response: 113278687
Conc: 45.69 ng/ml



#22 Mirex

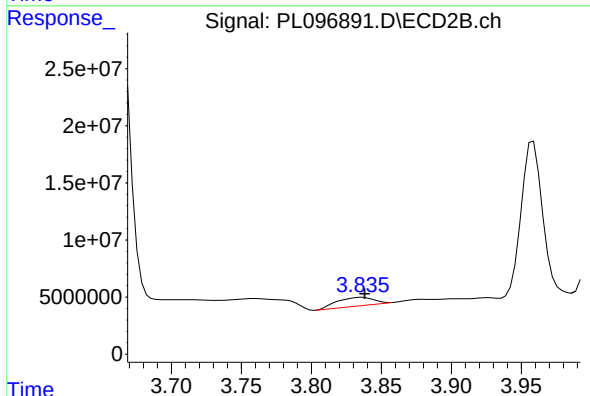
R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 177226306
Conc: 40.64 ng/ml



#23 Chlordane-1

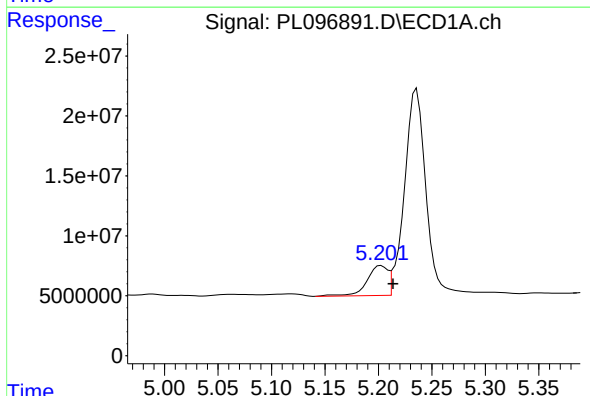
R.T.: 0.000 min
Exp R.T.: 4.690 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD



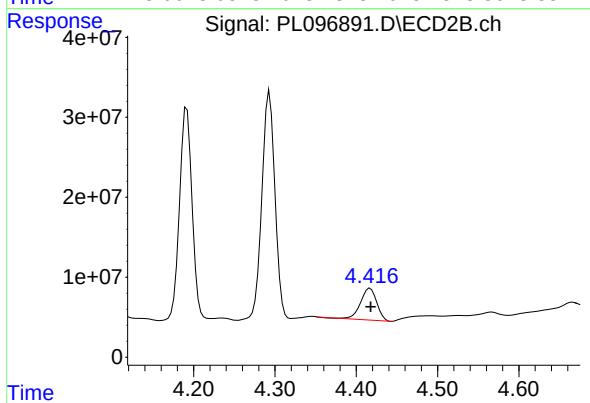
#23 Chlordane-1

R.T.: 3.836 min
Delta R.T.: -0.002 min
Response: 13549533
Conc: 64.63 ng/ml



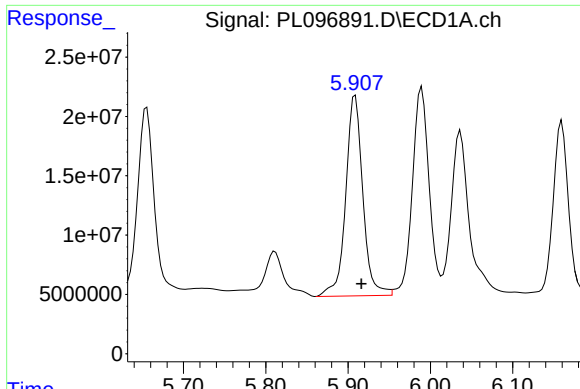
#24 Chlordane-2

R.T.: 5.202 min
Delta R.T.: -0.011 min
Response: 33786171
Conc: 193.06 ng/ml



#24 Chlordane-2

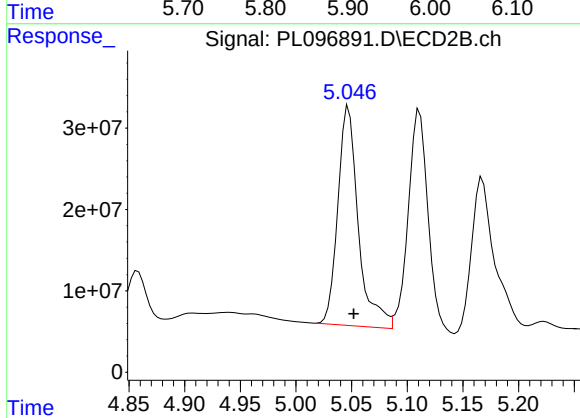
R.T.: 4.417 min
Delta R.T.: 0.000 min
Response: 54868670
Conc: 226.18 ng/ml



#25 Chlordane-3

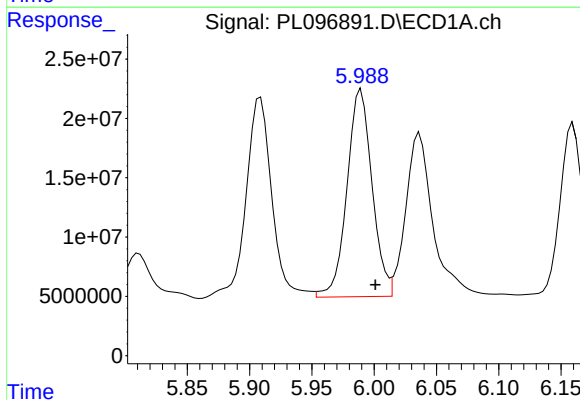
R.T.: 5.909 min
Delta R.T.: -0.008 min
Response: 244257669
Conc: 365.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD



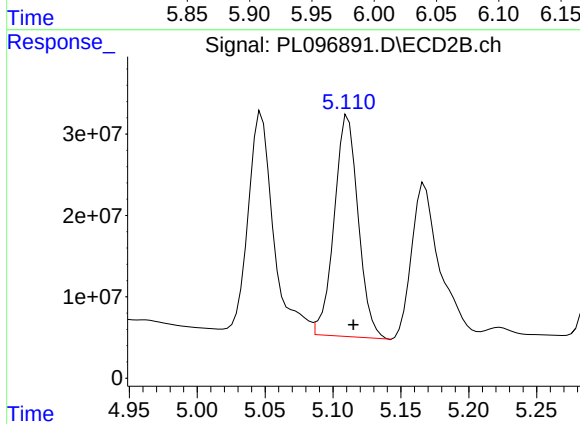
#25 Chlordane-3

R.T.: 5.047 min
Delta R.T.: -0.005 min
Response: 345498462
Conc: 496.90 ng/ml



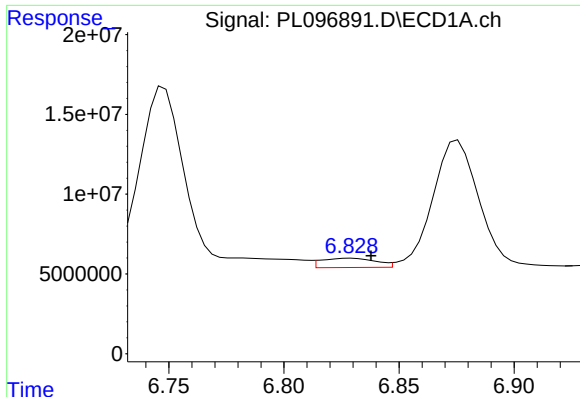
#26 Chlordane-4

R.T.: 5.989 min
Delta R.T.: -0.012 min
Response: 245801509
Conc: 296.97 ng/ml



#26 Chlordane-4

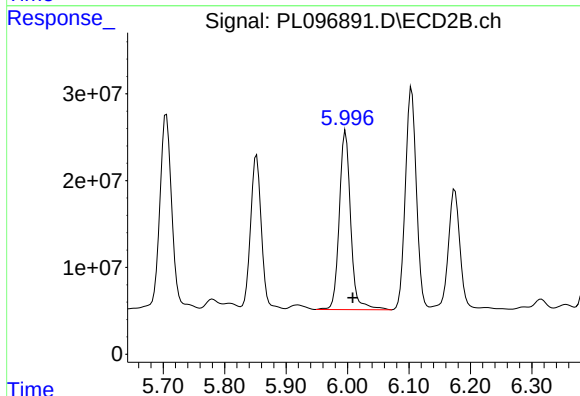
R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 334957101
Conc: 538.23 ng/ml



#27 Chlordane-5

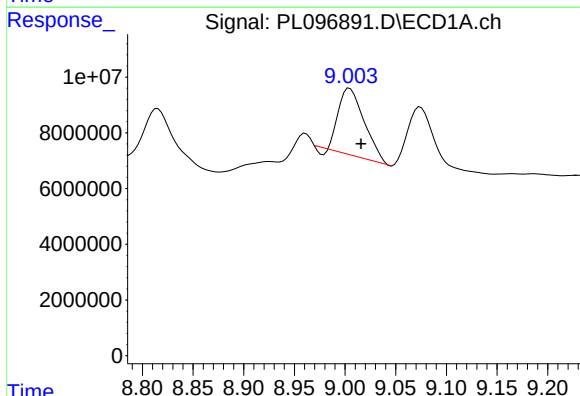
R.T.: 6.830 min
Delta R.T.: -0.008 min
Response: 9525699
Conc: 72.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
VNJ-210MSD



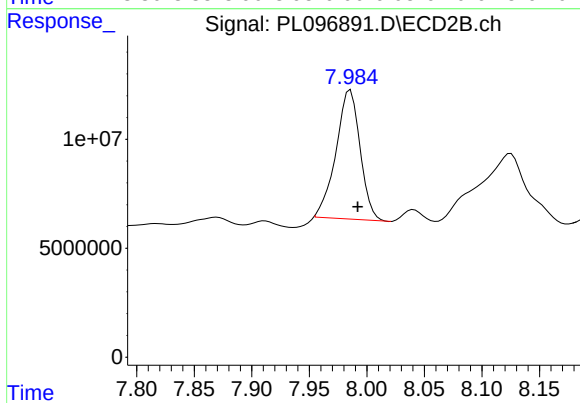
#27 Chlordane-5

R.T.: 5.997 min
Delta R.T.: -0.012 min
Response: 265178125
Conc: 1039.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.005 min
Delta R.T.: -0.011 min
Response: 41744397
Conc: 17.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 86539574
Conc: 19.95 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
 Data File : PL096893.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 14:53
 Operator : AR\AJ
 Sample : PB169283BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB169283BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 20 01:37:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.530	2.826	58810125	91631731	18.489	19.179
2)	SA Decachlor...	9.004	7.986	48391353	70243715	20.293	16.191
Target Compounds							
2)	A alpha-BHC	3.977	3.331	231.7E6	359.4E6	50.080	50.782
3)	MA gamma-BHC...	4.305	3.663	215.0E6	331.3E6	48.602	50.170
4)	MA Heptachlor	4.896	4.011	214.3E6	321.8E6	51.577	48.305
5)	MB Aldrin	5.235	4.293	210.3E6	301.3E6	48.886	48.549
6)	B beta-BHC	4.492	3.959	86194222	138.0E6	47.754	48.907
7)	B delta-BHC	4.737	4.192	203.4E6	316.9E6	50.991	48.960
8)	B Heptachlo...	5.655	4.795	190.6E6	267.4E6	49.429	46.822
9)	A Endosulfan I	6.037	5.166	168.3E6	242.0E6	46.811	43.744
10)	B gamma-Chl...	5.908	5.047	186.4E6	274.2E6	48.987	46.630
11)	B alpha-Chl...	5.989	5.111	183.7E6	267.6E6	47.667	45.373
12)	B 4,4'-DDE	6.159	5.299	154.3E6	250.8E6	48.053	45.484
13)	MA Dieldrin	6.308	5.430	172.7E6	265.1E6	46.527	44.891
14)	MA Endrin	6.534	5.705	134.1E6	233.4E6	44.310	43.171
15)	B Endosulfa...	6.748	5.996	147.2E6	219.6E6	45.952	42.751
16)	A 4,4'-DDD	6.667	5.852	123.6E6	204.3E6	48.881	43.412
17)	MA 4,4'-DDT	6.982	6.104	129.1E6	207.2E6	45.035	40.962
18)	B Endrin al...	6.876	6.175	104.9E6	162.8E6	48.900	44.794
19)	B Endosulfa...	7.109	6.398	127.7E6	206.4E6	44.442	40.571
20)	A Methoxychlor	7.454	6.676	65349344	109.3E6	44.505	39.874
21)	B Endrin ke...	7.589	6.902	135.2E6	218.0E6	44.953	39.137
22)	Mirex	8.067	7.092	106.4E6	171.9E6	42.919	39.417
24)	Chlordane-2	5.235f	0.000	210.3E6	0	1201.432	N.D. #
25)	Chlordane-3	5.908	5.047	186.4E6	274.2E6	279.078	394.344 #
26)	Chlordane-4	5.989	5.111	183.7E6	267.6E6	221.988	430.073 #
27)	Chlordane-5	0.000	5.996	0	219.6E6	N.D.	860.720 #

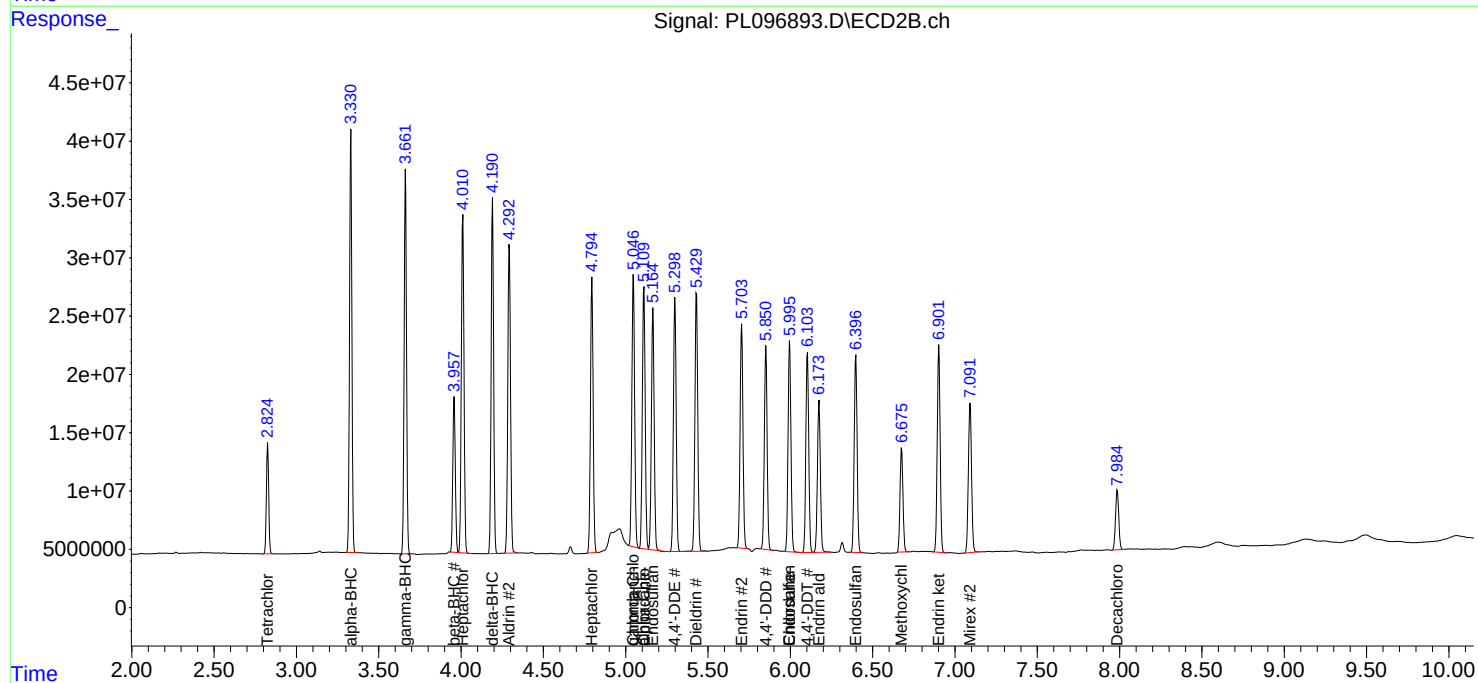
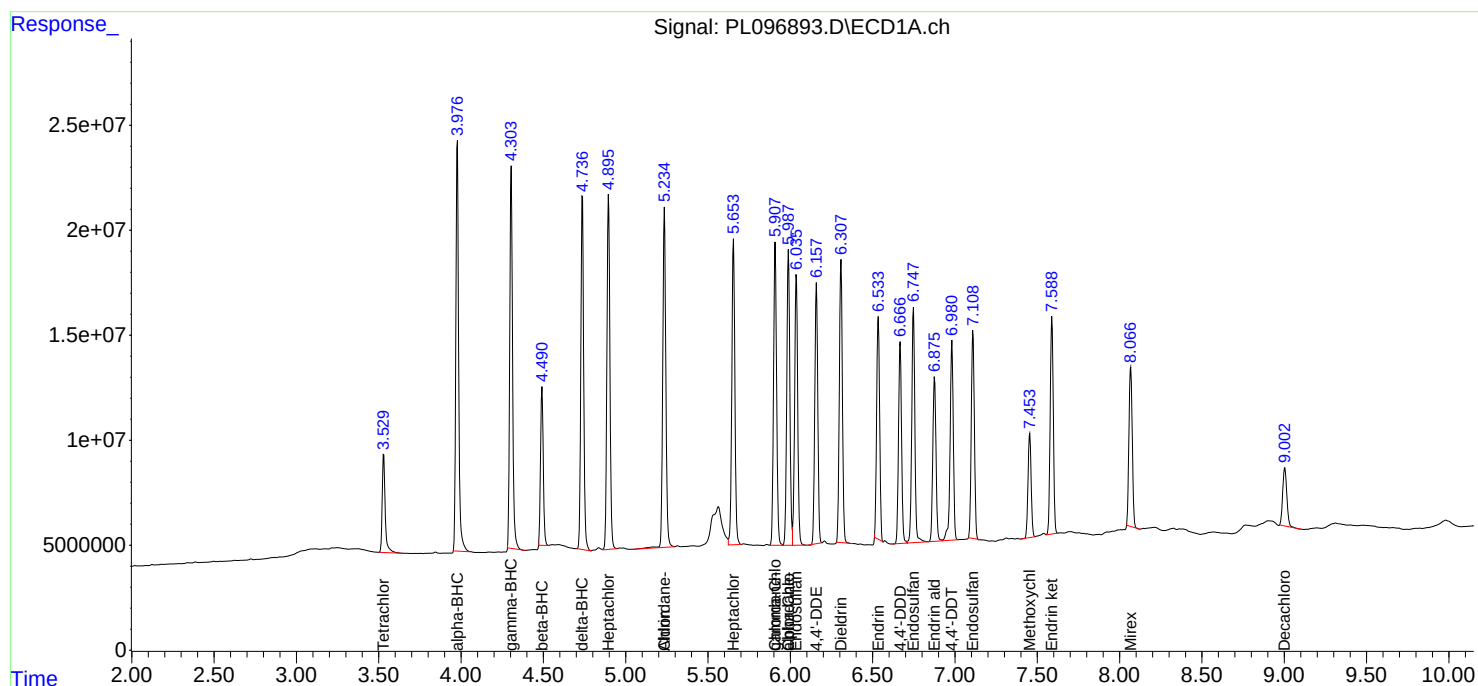
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

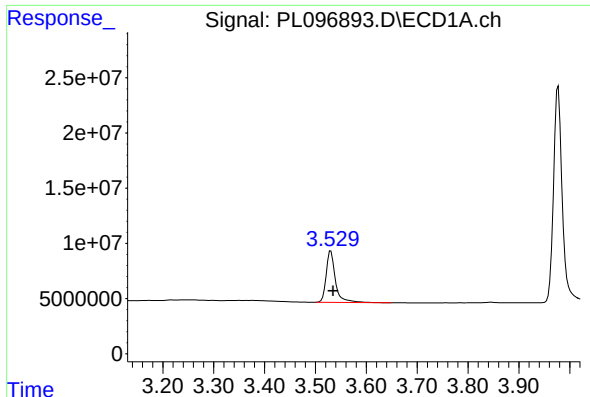
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
Data File : PL096893.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 14:53
Operator : AR\AJ
Sample : PB169283BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB169283BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 01:37:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

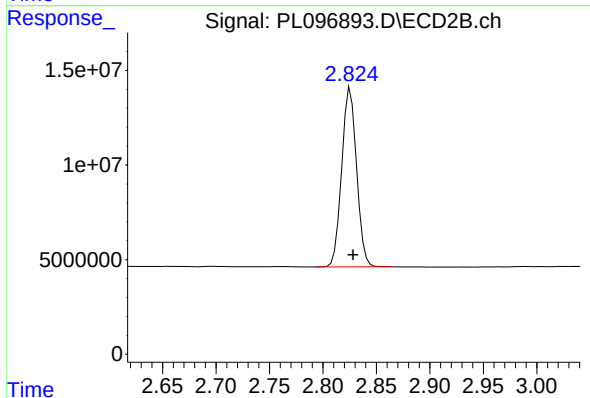




#1 Tetrachloro-m-xylene

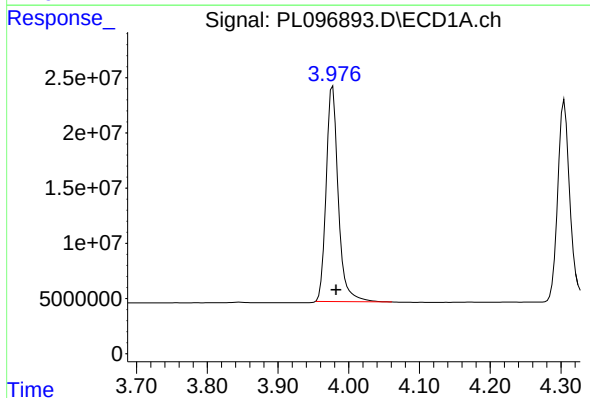
R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 58810125
Conc: 18.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS



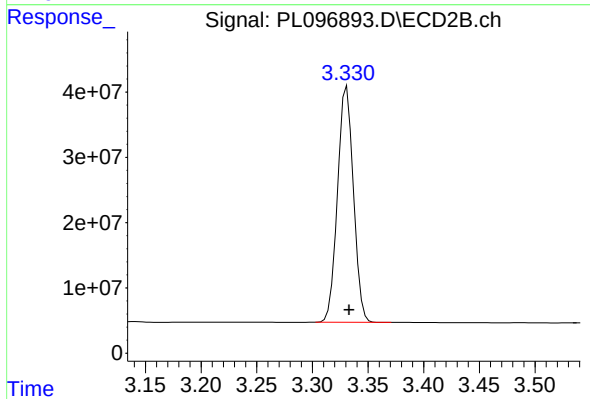
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 91631731
Conc: 19.18 ng/ml



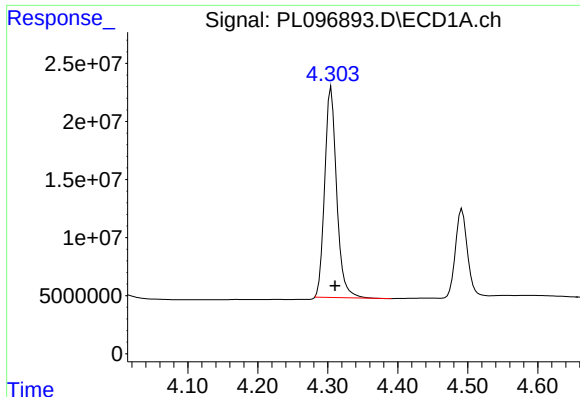
#2 alpha-BHC

R.T.: 3.977 min
Delta R.T.: -0.005 min
Response: 231688786
Conc: 50.08 ng/ml



#2 alpha-BHC

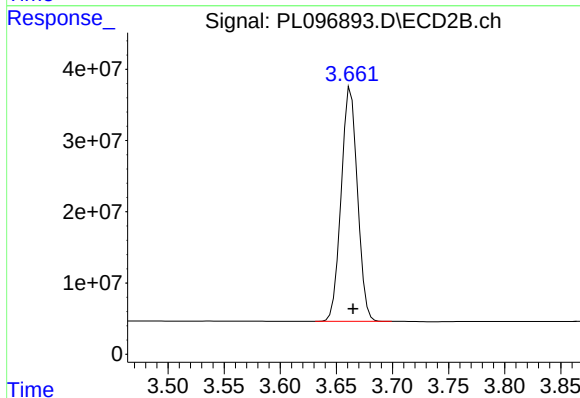
R.T.: 3.331 min
Delta R.T.: -0.002 min
Response: 359386141
Conc: 50.78 ng/ml



#3 gamma-BHC (Lindane)

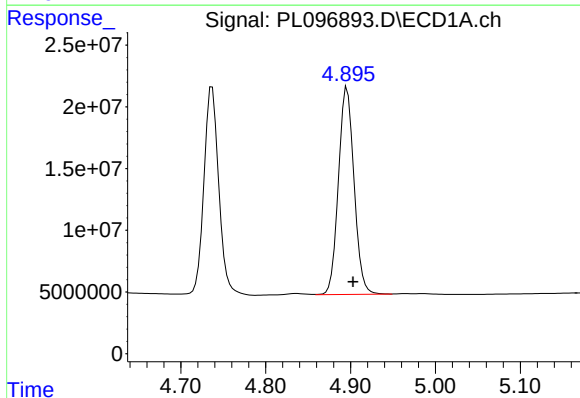
R.T.: 4.305 min
Delta R.T.: -0.005 min
Response: 214989026
Conc: 48.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS



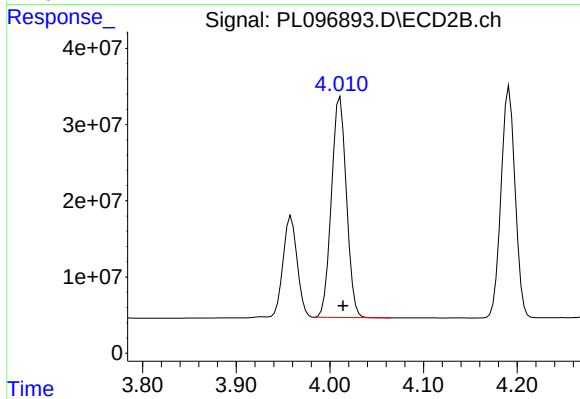
#3 gamma-BHC (Lindane)

R.T.: 3.663 min
Delta R.T.: -0.002 min
Response: 331288580
Conc: 50.17 ng/ml



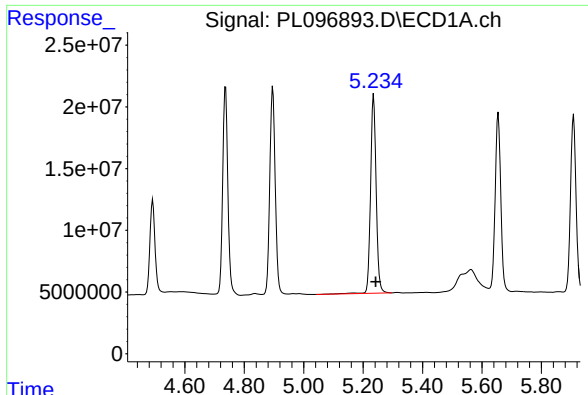
#4 Heptachlor

R.T.: 4.896 min
Delta R.T.: -0.007 min
Response: 214337811
Conc: 51.58 ng/ml



#4 Heptachlor

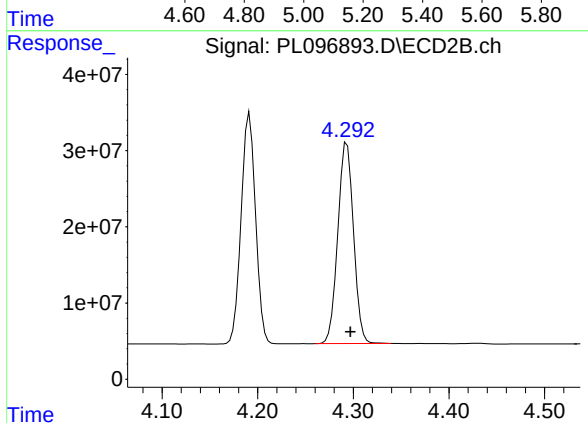
R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 321804994
Conc: 48.30 ng/ml



#5 Aldrin

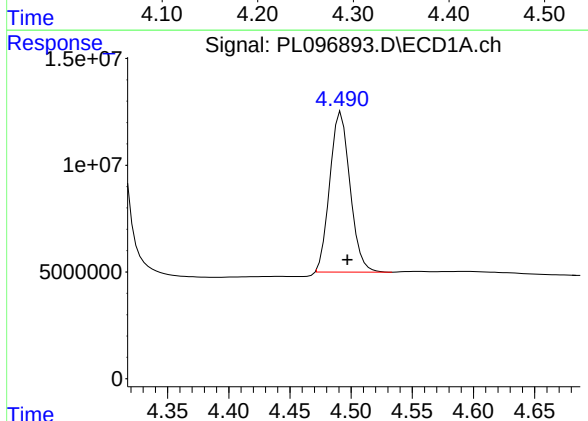
R.T.: 5.235 min
Delta R.T.: -0.007 min
Response: 210258829
Conc: 48.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS



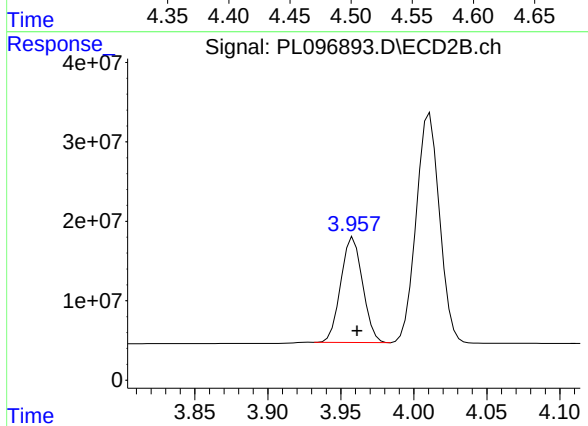
#5 Aldrin

R.T.: 4.293 min
Delta R.T.: -0.004 min
Response: 301346622
Conc: 48.55 ng/ml



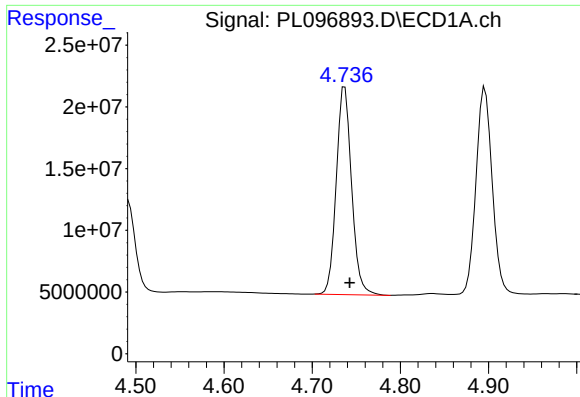
#6 beta-BHC

R.T.: 4.492 min
Delta R.T.: -0.005 min
Response: 86194222
Conc: 47.75 ng/ml



#6 beta-BHC

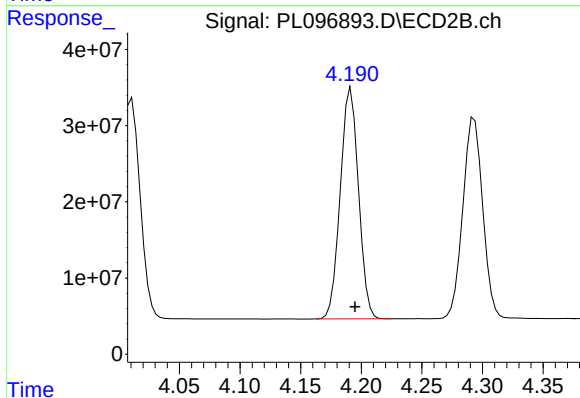
R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 137961546
Conc: 48.91 ng/ml



#7 delta-BHC

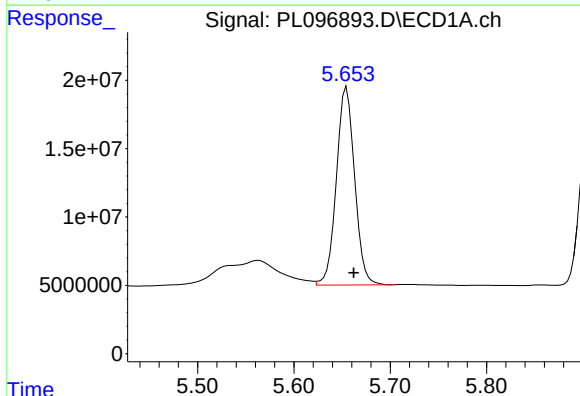
R.T.: 4.737 min
Delta R.T.: -0.006 min
Response: 203446170
Conc: 50.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS



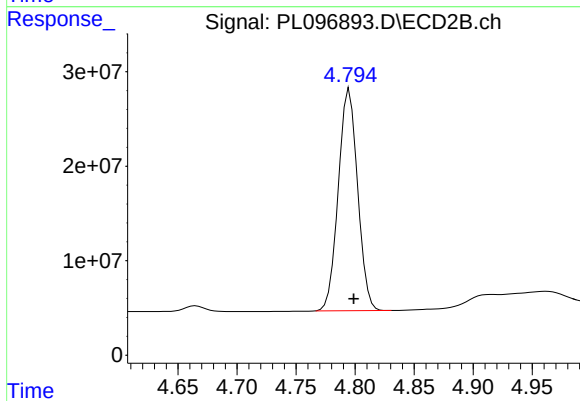
#7 delta-BHC

R.T.: 4.192 min
Delta R.T.: -0.003 min
Response: 316947039
Conc: 48.96 ng/ml



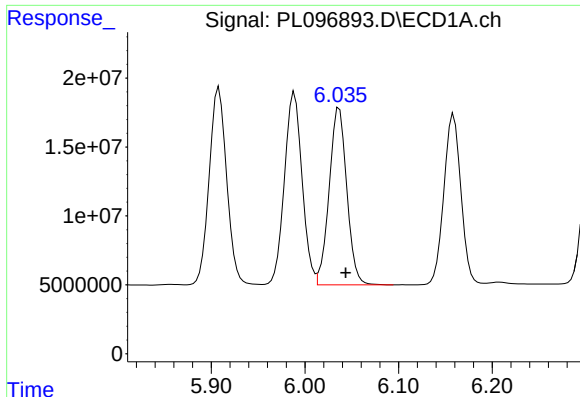
#8 Heptachlor epoxide

R.T.: 5.655 min
Delta R.T.: -0.007 min
Response: 190625303
Conc: 49.43 ng/ml



#8 Heptachlor epoxide

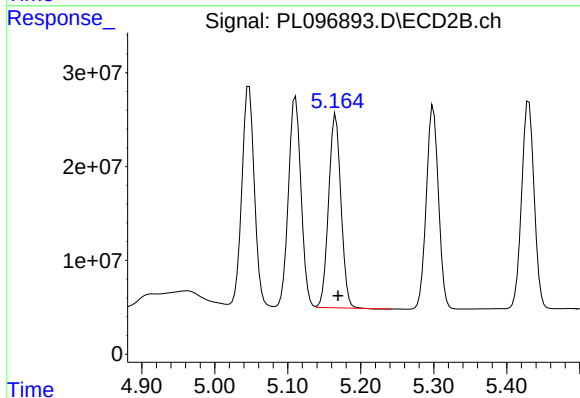
R.T.: 4.795 min
Delta R.T.: -0.004 min
Response: 267414307
Conc: 46.82 ng/ml



#9 Endosulfan I

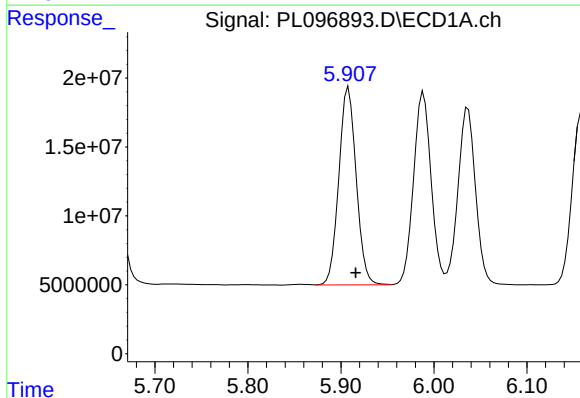
R.T.: 6.037 min
Delta R.T.: -0.007 min
Response: 168348596
Conc: 46.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS



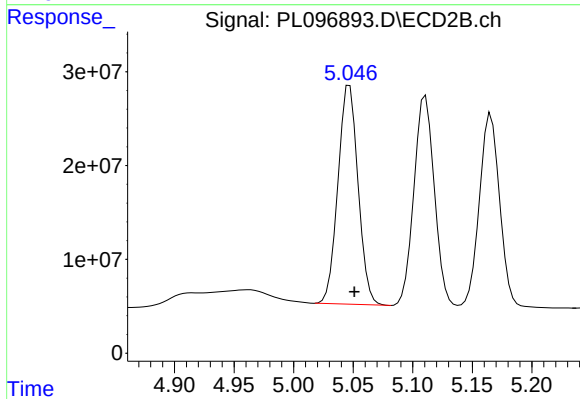
#9 Endosulfan I

R.T.: 5.166 min
Delta R.T.: -0.003 min
Response: 241967999
Conc: 43.74 ng/ml



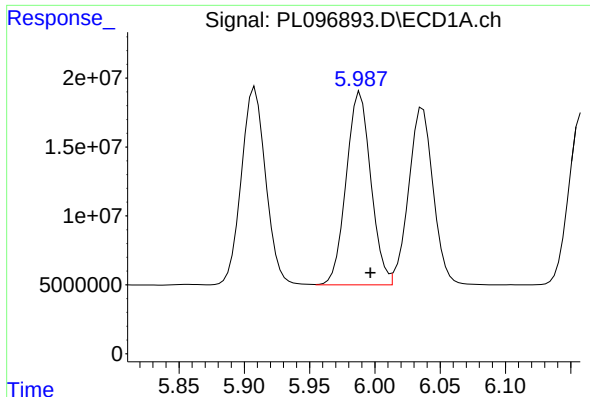
#10 gamma-Chlordane

R.T.: 5.908 min
Delta R.T.: -0.008 min
Response: 186406455
Conc: 48.99 ng/ml



#10 gamma-Chlordane

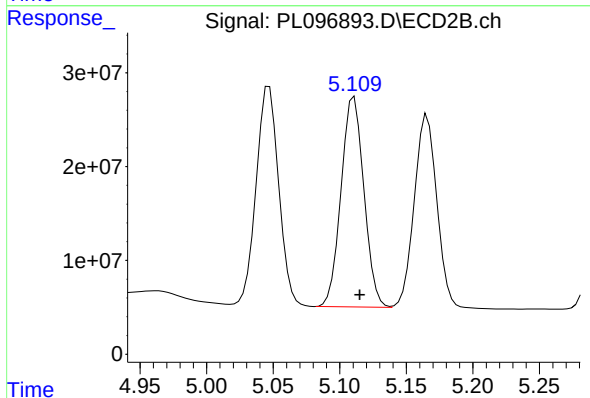
R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 274188144
Conc: 46.63 ng/ml



#11 alpha-Chlordane

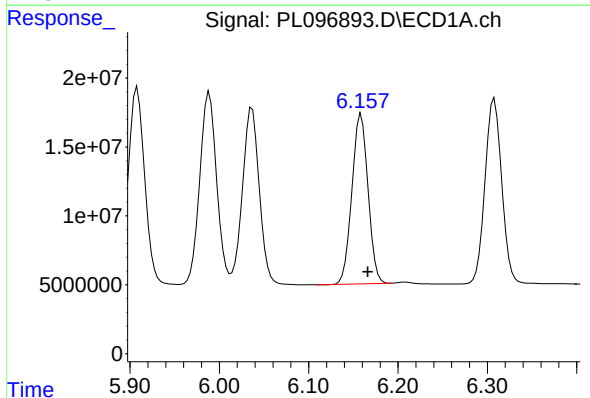
R.T.: 5.989 min
Delta R.T.: -0.008 min
Response: 183739283
Conc: 47.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS



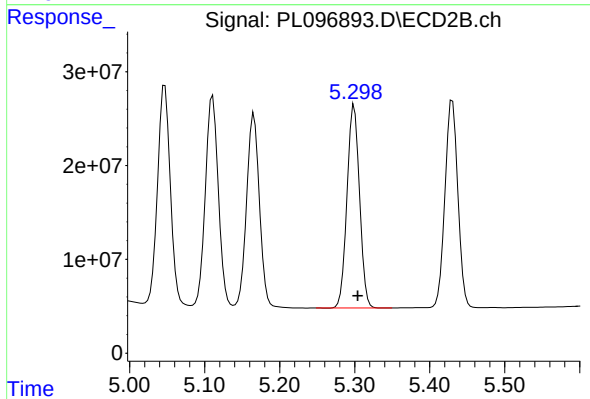
#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 267648483
Conc: 45.37 ng/ml



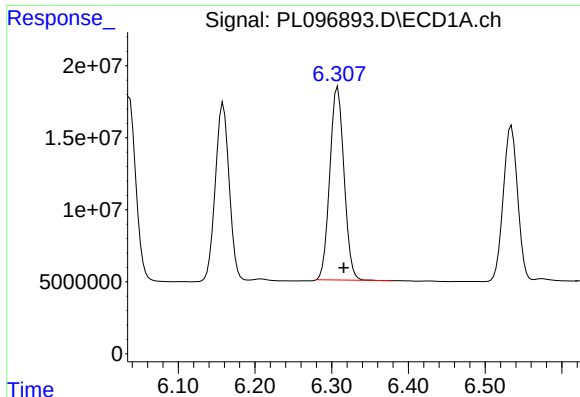
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 154311587
Conc: 48.05 ng/ml



#12 4,4'-DDE

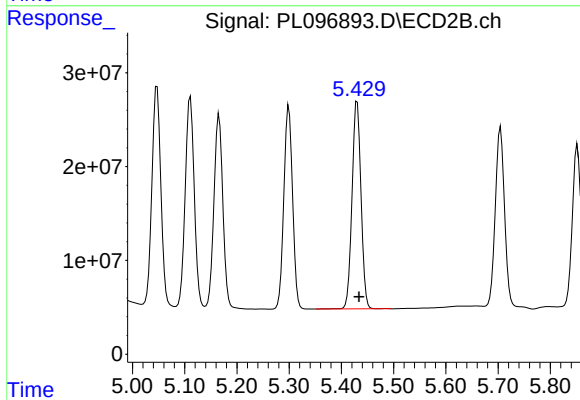
R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 250817035
Conc: 45.48 ng/ml



#13 Dieldrin

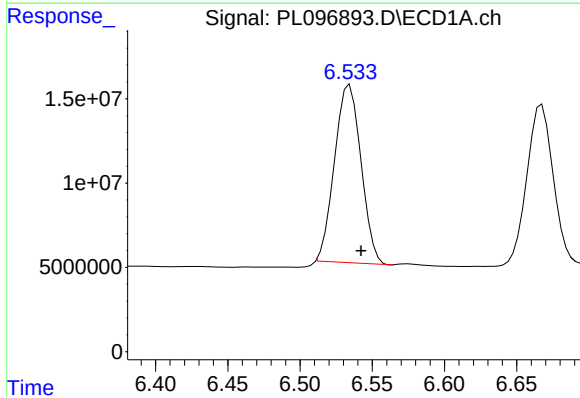
R.T.: 6.308 min
Delta R.T.: -0.008 min
Response: 172669961
Conc: 46.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS



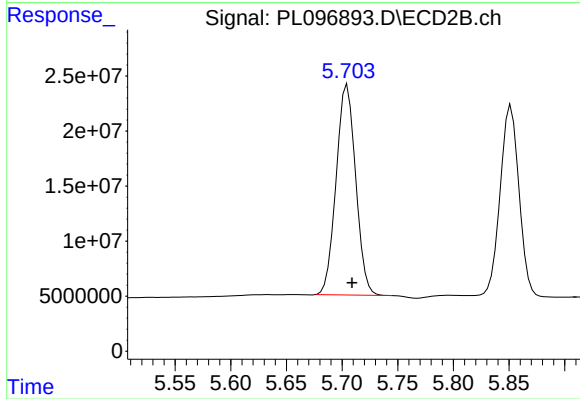
#13 Dieldrin

R.T.: 5.430 min
Delta R.T.: -0.004 min
Response: 265149404
Conc: 44.89 ng/ml



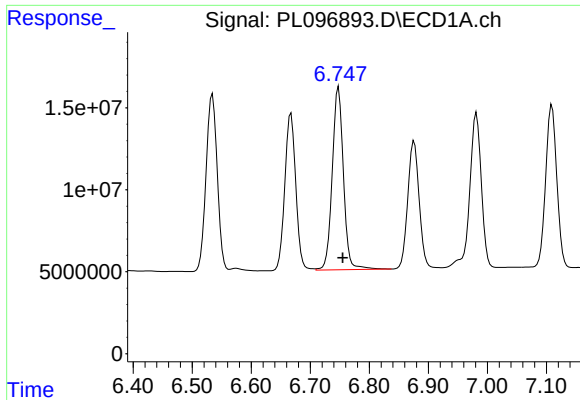
#14 Endrin

R.T.: 6.534 min
Delta R.T.: -0.008 min
Response: 134118259
Conc: 44.31 ng/ml



#14 Endrin

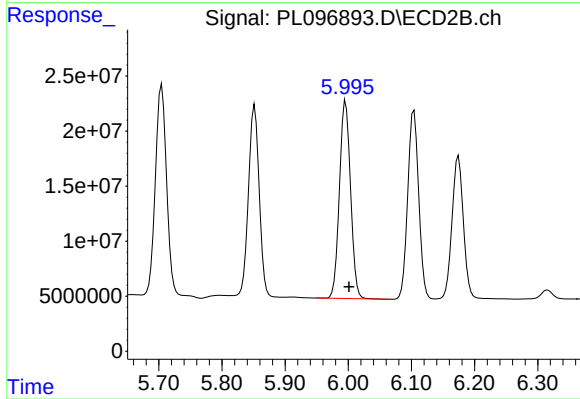
R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 233381196
Conc: 43.17 ng/ml



#15 Endosulfan II

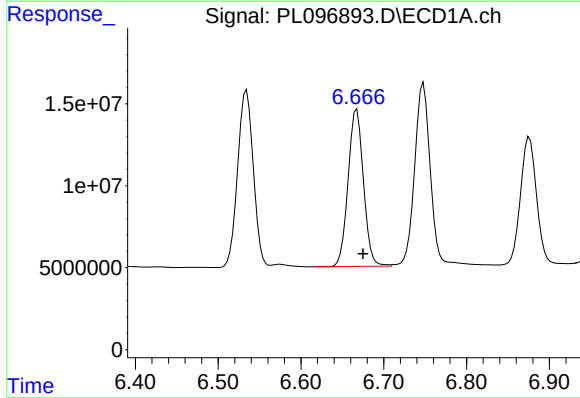
R.T.: 6.748 min
Delta R.T.: -0.007 min
Response: 147168710
Conc: 45.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS



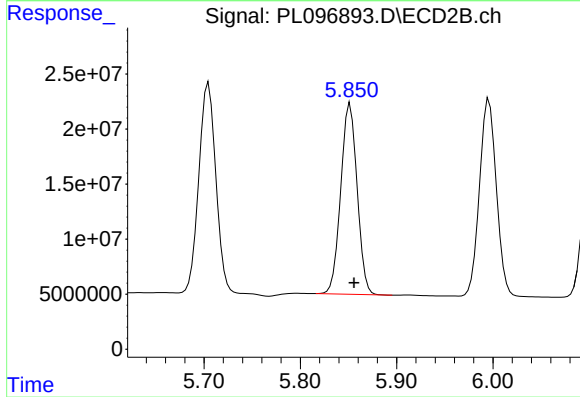
#15 Endosulfan II

R.T.: 5.996 min
Delta R.T.: -0.005 min
Response: 219579992
Conc: 42.75 ng/ml



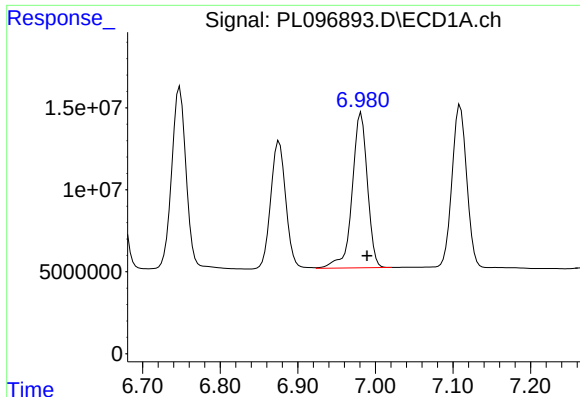
#16 4,4'-DDD

R.T.: 6.667 min
Delta R.T.: -0.008 min
Response: 123590410
Conc: 48.88 ng/ml



#16 4,4'-DDD

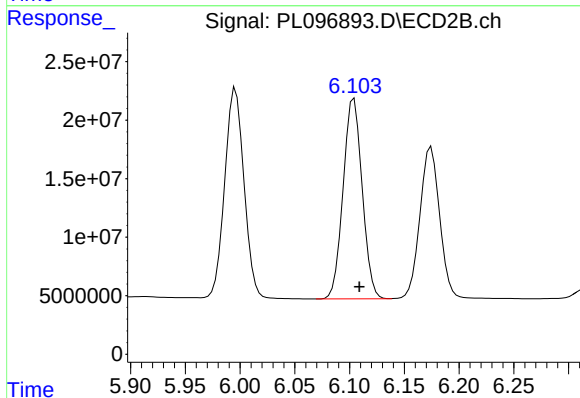
R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 204265315
Conc: 43.41 ng/ml



#17 4,4'-DDT

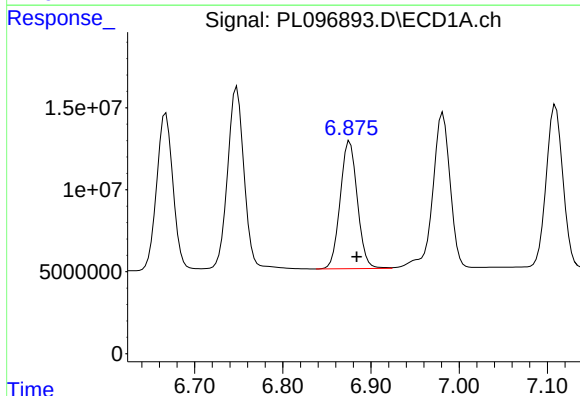
R.T.: 6.982 min
Delta R.T.: -0.008 min
Response: 129146743
Conc: 45.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS



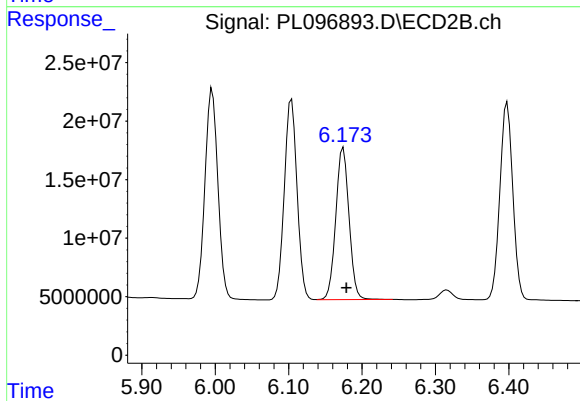
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 207196665
Conc: 40.96 ng/ml



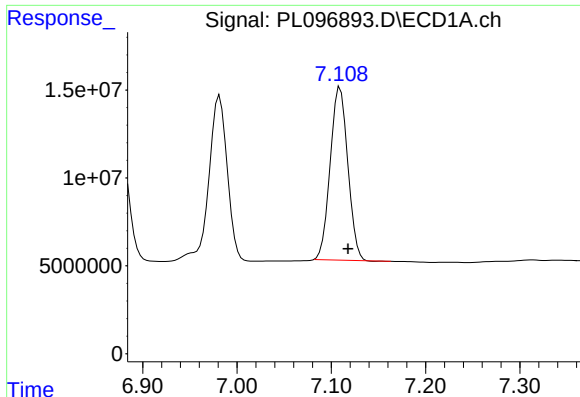
#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: -0.008 min
Response: 104935220
Conc: 48.90 ng/ml



#18 Endrin aldehyde

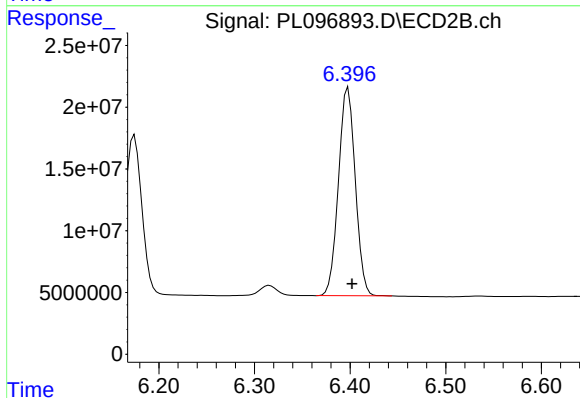
R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 162828269
Conc: 44.79 ng/ml



#19 Endosulfan Sulfate

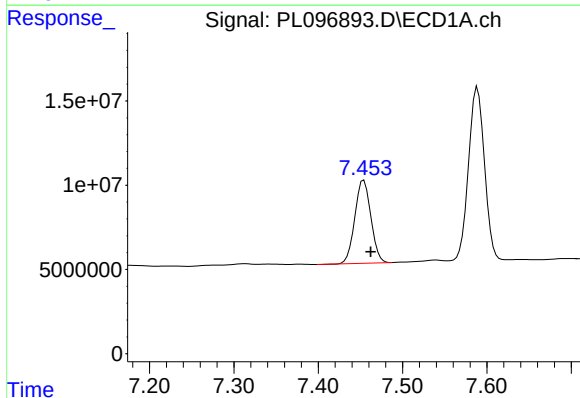
R.T.: 7.109 min
Delta R.T.: -0.008 min
Response: 127714015
Conc: 44.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS



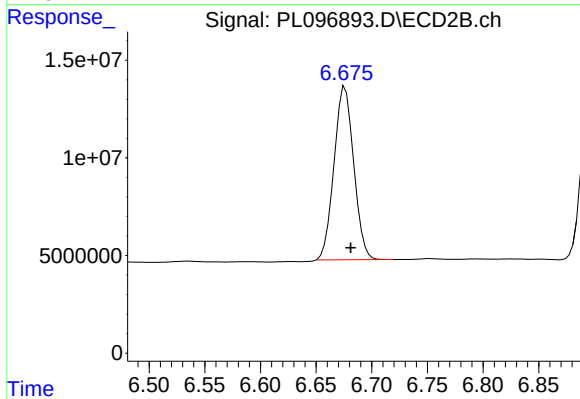
#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 206354464
Conc: 40.57 ng/ml



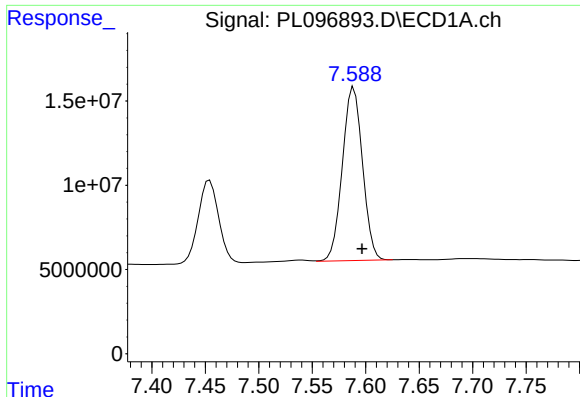
#20 Methoxychlor

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 65349344
Conc: 44.51 ng/ml



#20 Methoxychlor

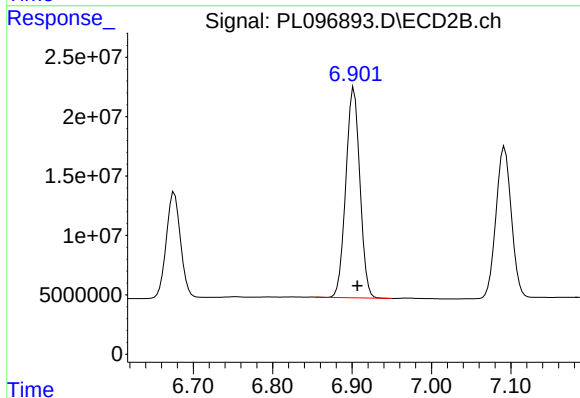
R.T.: 6.676 min
Delta R.T.: -0.005 min
Response: 109274075
Conc: 39.87 ng/ml



#21 Endrin ketone

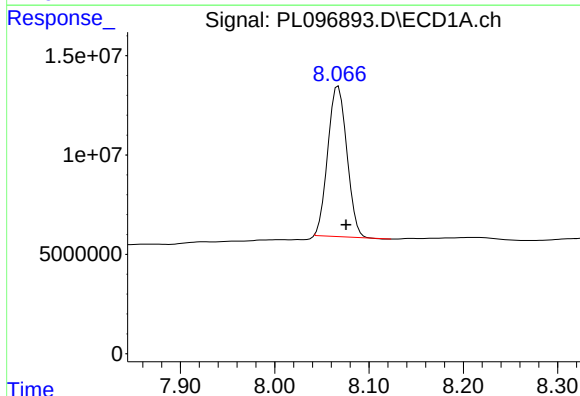
R.T.: 7.589 min
Delta R.T.: -0.008 min
Response: 135161202
Conc: 44.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS



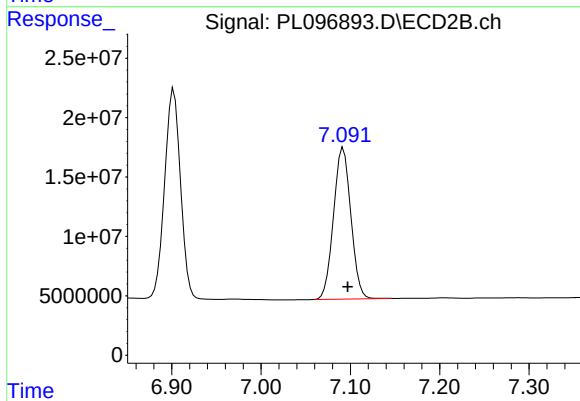
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 217982803
Conc: 39.14 ng/ml



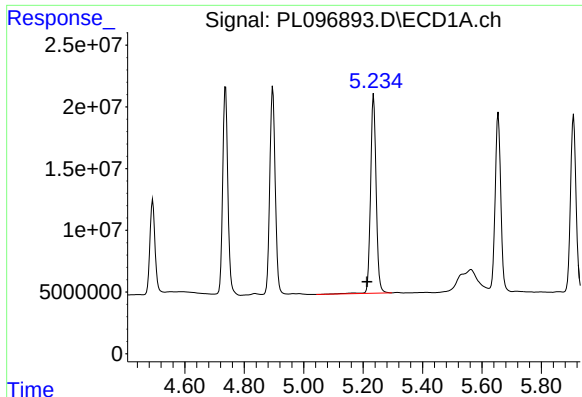
#22 Mirex

R.T.: 8.067 min
Delta R.T.: -0.008 min
Response: 106410388
Conc: 42.92 ng/ml



#22 Mirex

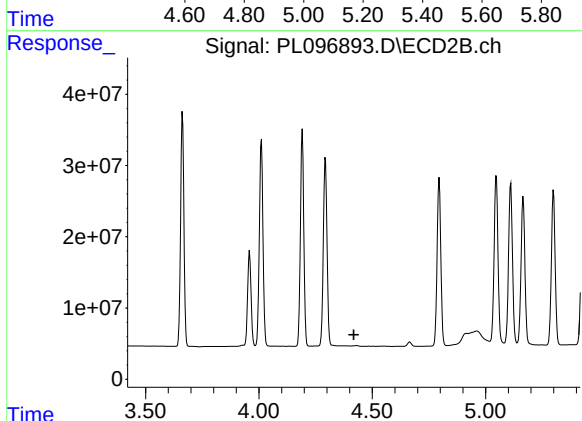
R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 171890920
Conc: 39.42 ng/ml



#24 Chlordane-2

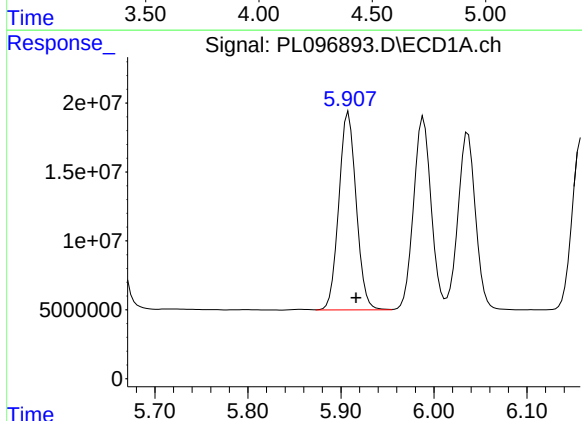
R.T.: 5.235 min
Delta R.T.: 0.022 min
Response: 210258829
Conc: 1201.43 ng/m

Instrument :
ECD_L
ClientSampleId :
PB169283BS



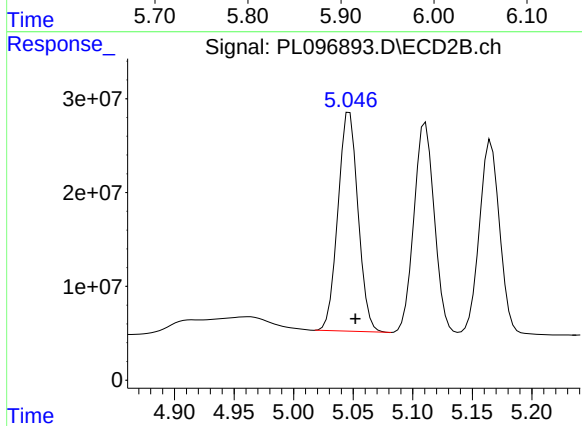
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.418 min
Response: 0
Conc: N.D.



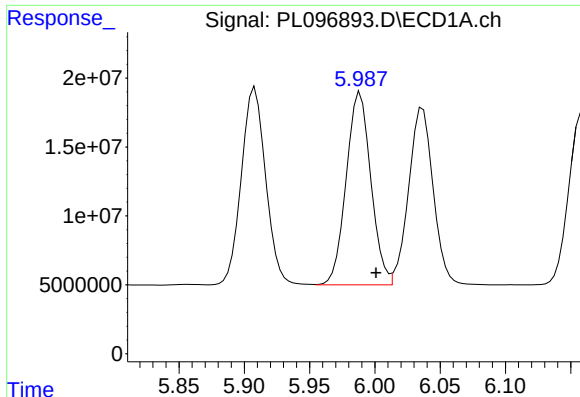
#25 Chlordane-3

R.T.: 5.908 min
Delta R.T.: -0.008 min
Response: 186406455
Conc: 279.08 ng/ml



#25 Chlordane-3

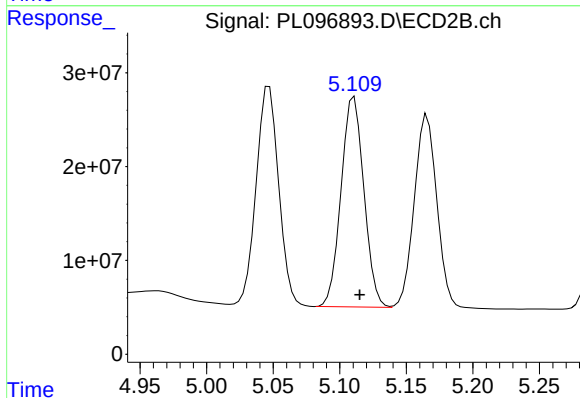
R.T.: 5.047 min
Delta R.T.: -0.005 min
Response: 274188144
Conc: 394.34 ng/ml



#26 Chlordane-4

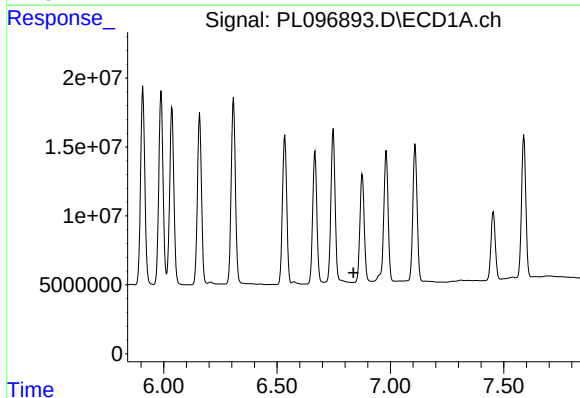
R.T.: 5.989 min
Delta R.T.: -0.012 min
Response: 183739283
Conc: 221.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS



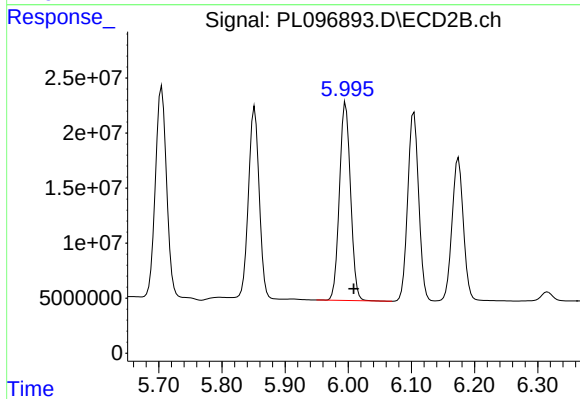
#26 Chlordane-4

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 267648483
Conc: 430.07 ng/ml



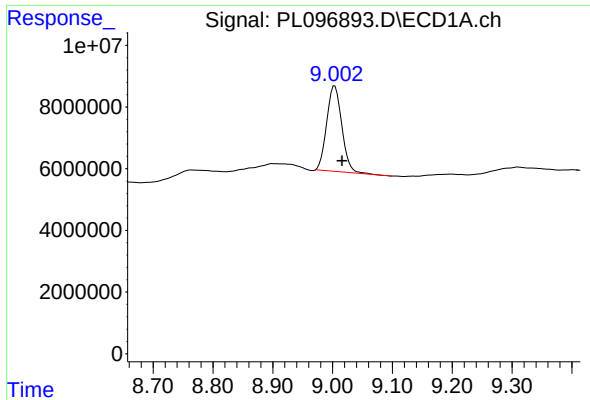
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.838 min
Response: 0
Conc: N.D.



#27 Chlordane-5

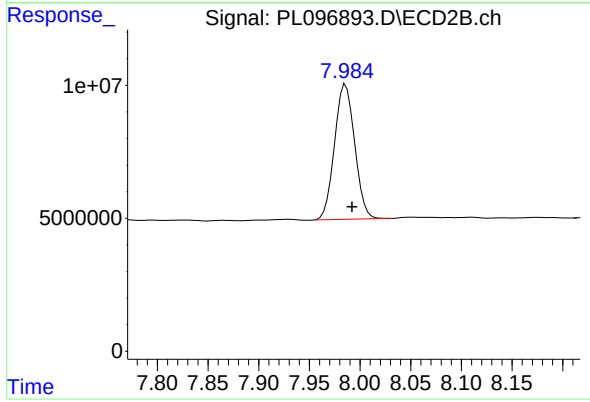
R.T.: 5.996 min
Delta R.T.: -0.013 min
Response: 219579992
Conc: 860.72 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.012 min
Response: 48391353
Conc: 20.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 70243715
Conc: 16.19 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
 Data File : PL096894.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 15:07
 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: Aug 20 01:37:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.530	2.825	72573309	111.3E6	22.816	23.304
28)	SA Decachlor...	9.003	7.986	56673547	87095585	23.766	20.076
Target Compounds							
14)	MA Endrin	0.000	5.713	0	28140541	N.D.	5.205 #
15)	B Endosulfa...	6.734f	0.000	6584013	0	2.056	N.D. #

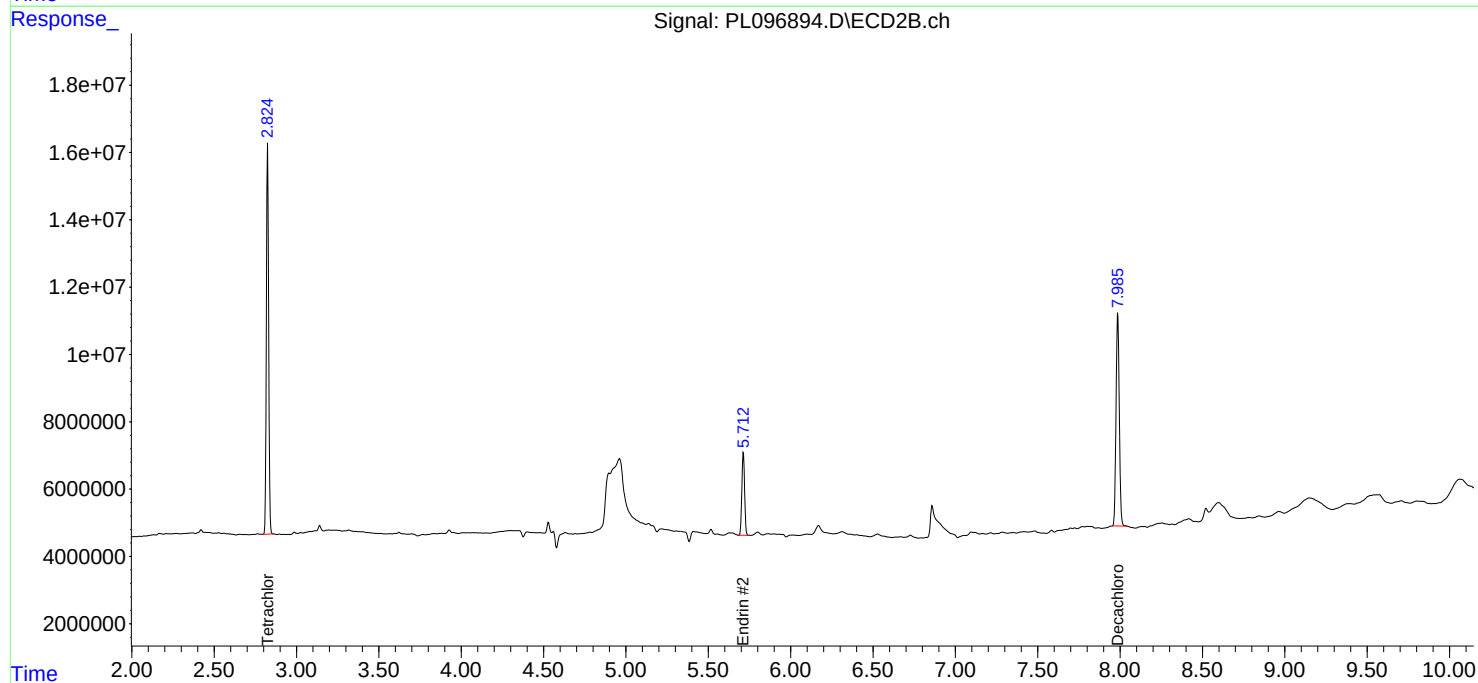
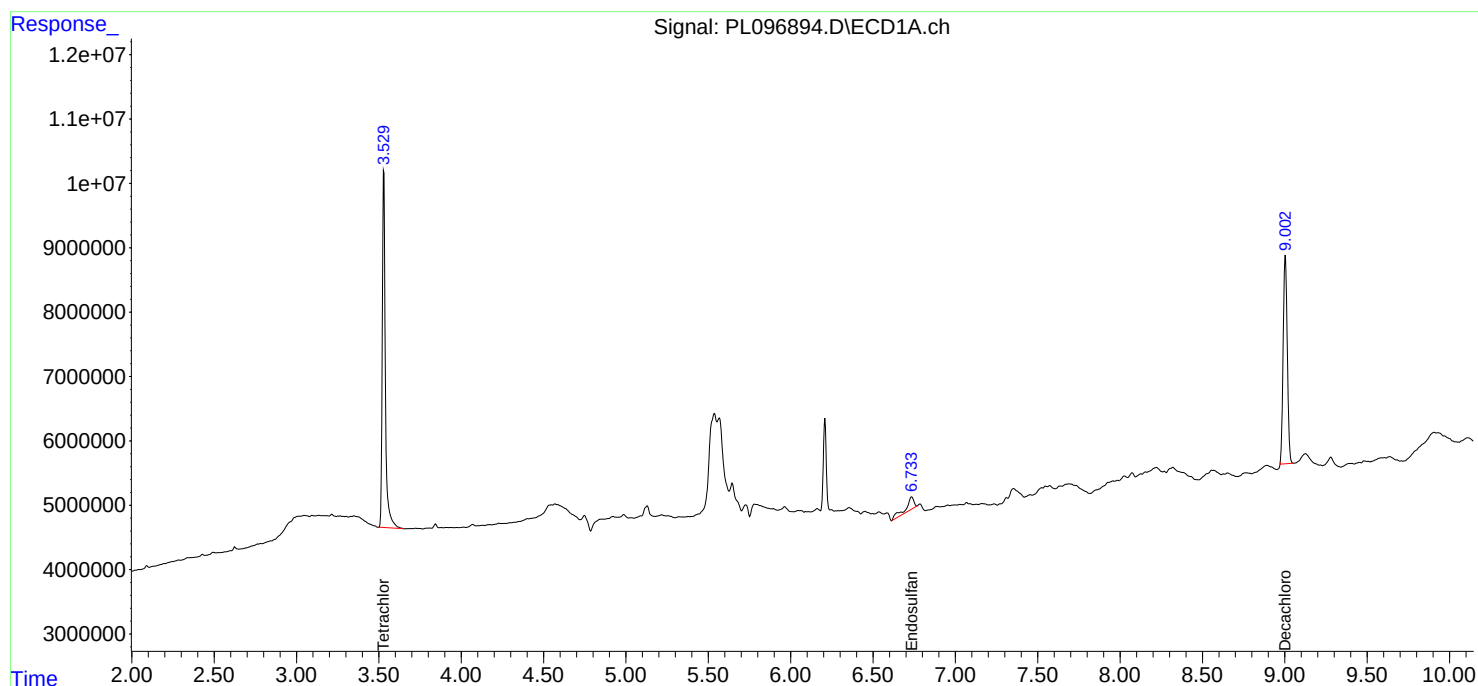
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

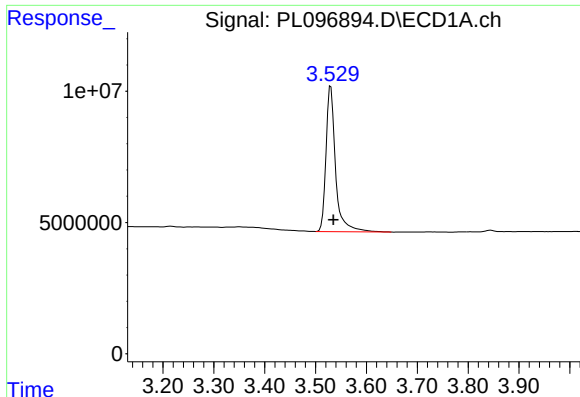
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
Data File : PL096894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 15:07
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 01:37:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Fri Aug 08 15:43:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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

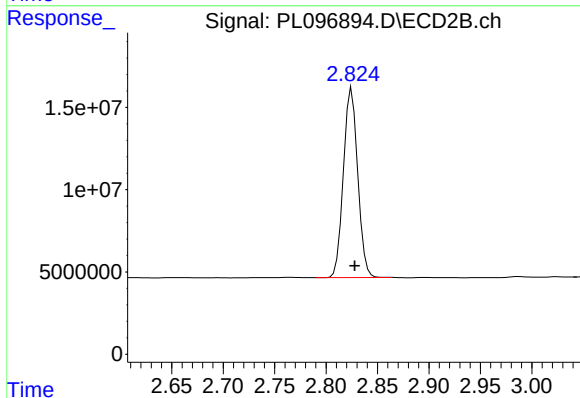




#1 Tetrachloro-m-xylene

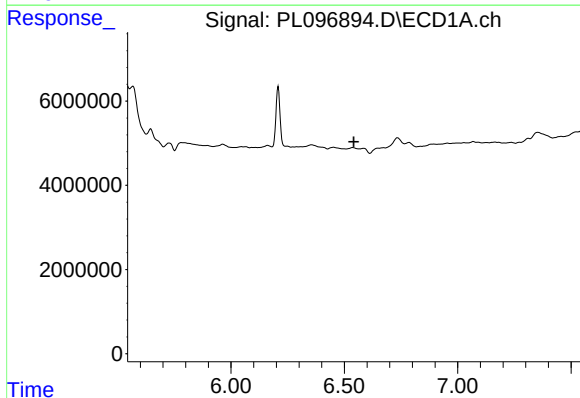
R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 72573309
Conc: 22.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



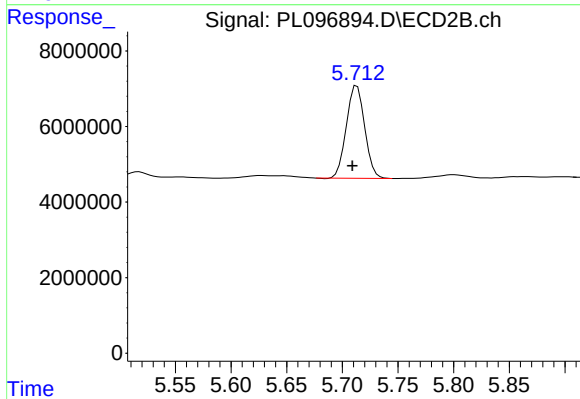
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 111343504
Conc: 23.30 ng/ml



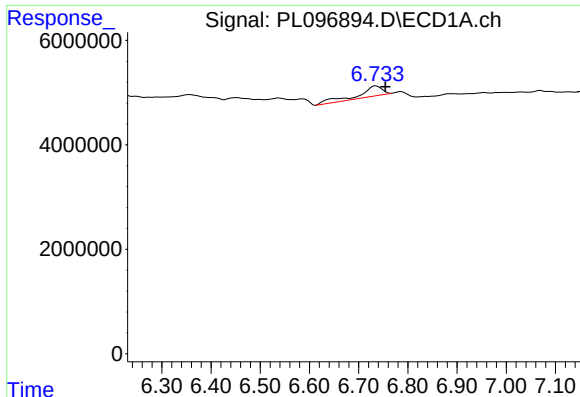
#14 Endrin

R.T.: 0.000 min
Exp R.T. : 6.542 min
Response: 0
Conc: N.D.



#14 Endrin

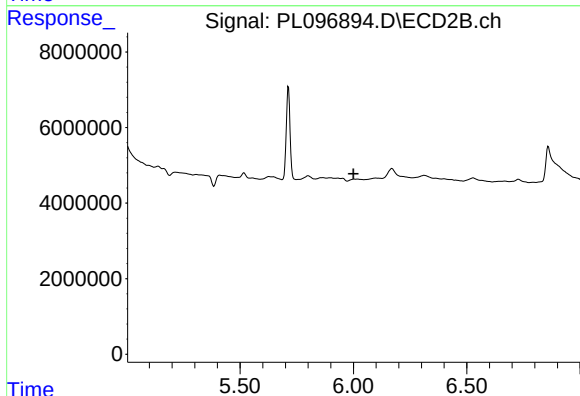
R.T.: 5.713 min
Delta R.T.: 0.004 min
Response: 28140541
Conc: 5.21 ng/ml



#15 Endosulfan II

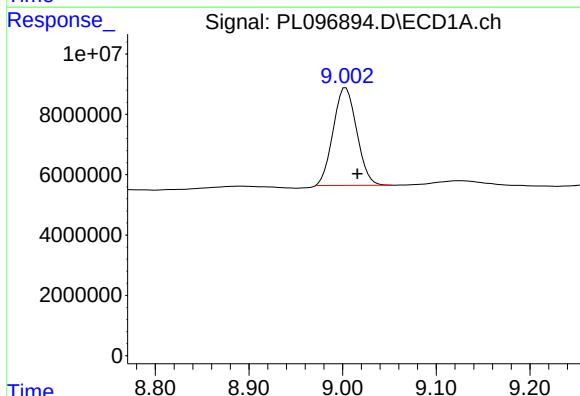
R.T.: 6.734 min
Delta R.T.: -0.021 min
Response: 6584013
Conc: 2.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



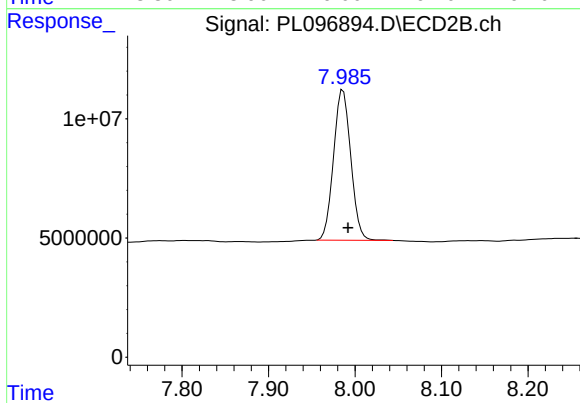
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.001 min
Response: 0
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 9.003 min
Delta R.T.: -0.012 min
Response: 56673547
Conc: 23.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 87095585
Conc: 20.08 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
 Data File : PL096895.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 15:20
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

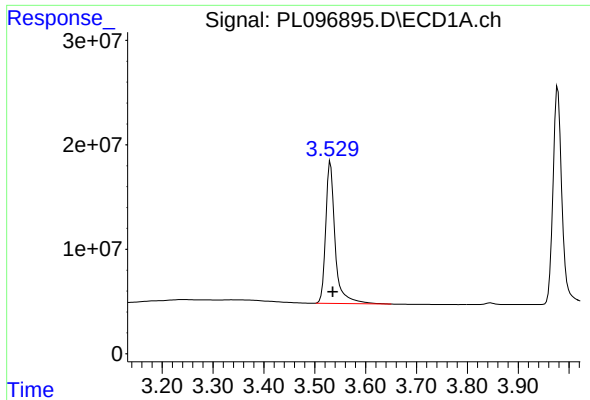
Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 20 01:37:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.531	2.826	175.3E6	256.7E6	55.122	53.727
28)	SA Decachlor...	9.003	7.986	123.8E6	191.6E6	51.900	44.175
Target Compounds							
2)	A alpha-BHC	3.978	3.331	254.1E6	382.5E6	54.922	54.042
3)	MA gamma-BHC...	4.306	3.663	239.0E6	353.5E6	54.027	53.532
4)	MA Heptachlor	4.897	4.011	235.6E6	349.6E6	56.688	52.475
5)	MB Aldrin	5.236	4.293	227.0E6	327.4E6	52.783	52.748
6)	B beta-BHC	4.492	3.959	99171905	150.4E6	54.944	53.327
7)	B delta-BHC	4.738	4.191	222.3E6	344.2E6	55.714	53.174
8)	B Heptachlo...	5.654	4.795	207.9E6	290.6E6	53.911	50.877
9)	A Endosulfan I	6.036	5.166	181.7E6	264.1E6	50.515	47.754
10)	B gamma-Chl...	5.909	5.047	202.1E6	301.6E6	53.102	51.295
11)	B alpha-Chl...	5.989	5.111	199.4E6	296.3E6	51.719	50.235
12)	B 4,4'-DDE	6.159	5.299	169.4E6	279.1E6	52.747	50.617
13)	MA Dieldrin	6.308	5.430	185.4E6	293.7E6	49.944	49.722
14)	MA Endrin	6.534	5.705	150.4E6	292.4E6	49.674	54.089
15)	B Endosulfa...	6.748	5.996	175.0E6	243.8E6	54.637	47.470
16)	A 4,4'-DDD	6.667	5.852	139.7E6	226.5E6	55.238	48.130
17)	MA 4,4'-DDT	6.982	6.104	145.3E6	237.9E6	50.667	47.033
18)	B Endrin al...	6.876	6.175	111.1E6	171.0E6	51.774	47.044
19)	B Endosulfa...	7.109	6.398	136.7E6	231.3E6	47.583	45.475
20)	A Methoxychlor	7.454	6.676	71097287	120.8E6	48.420	44.064
21)	B Endrin ke...	7.589	6.902	142.3E6	252.5E6	47.312	45.329
22)	Mirex	8.067	7.092	113.6E6	191.4E6	45.805	43.894
24)	Chlordane-2	5.236f	0.000	227.0E6	0	1297.202	N.D. #
25)	Chlordane-3	5.909	5.047	202.1E6	301.6E6	302.525	433.797 #
26)	Chlordane-4	5.989	5.111	199.4E6	296.3E6	240.858	476.162 #
27)	Chlordane-5	0.000	5.996	0	243.8E6	N.D.	955.723 #

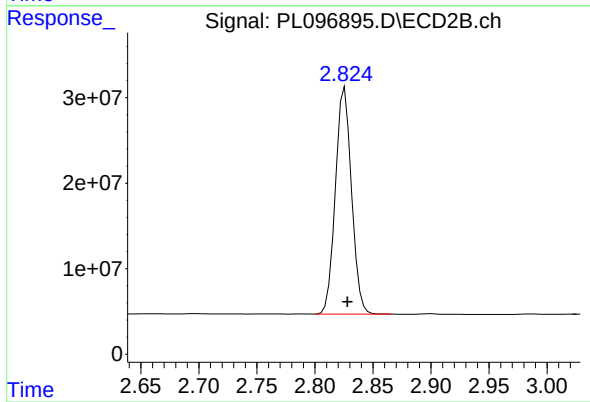
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



#1 Tetrachloro-m-xylene

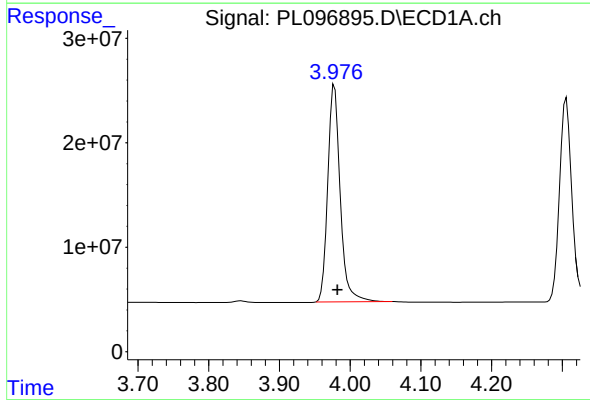
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 175332172
Conc: 55.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



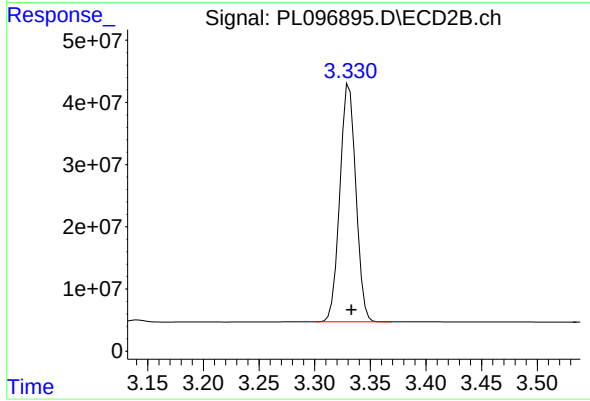
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 256694097
Conc: 53.73 ng/ml



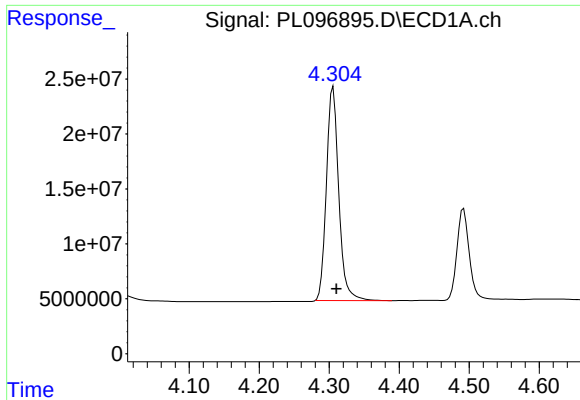
#2 alpha-BHC

R.T.: 3.978 min
Delta R.T.: -0.004 min
Response: 254087340
Conc: 54.92 ng/ml



#2 alpha-BHC

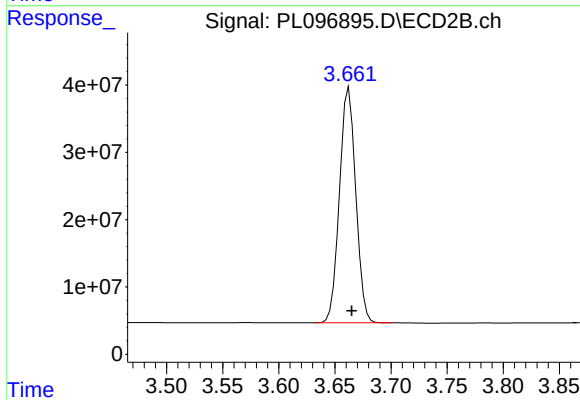
R.T.: 3.331 min
Delta R.T.: -0.002 min
Response: 382457699
Conc: 54.04 ng/ml



#3 gamma-BHC (Lindane)

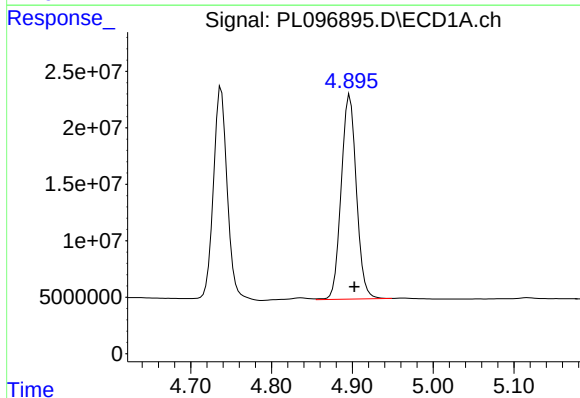
R.T.: 4.306 min
Delta R.T.: -0.005 min
Response: 238986492
Conc: 54.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



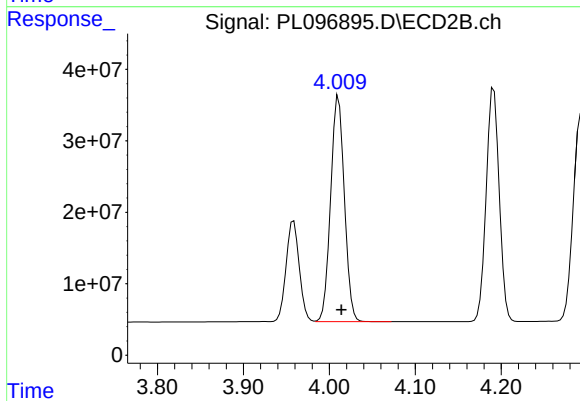
#3 gamma-BHC (Lindane)

R.T.: 3.663 min
Delta R.T.: -0.002 min
Response: 353488768
Conc: 53.53 ng/ml



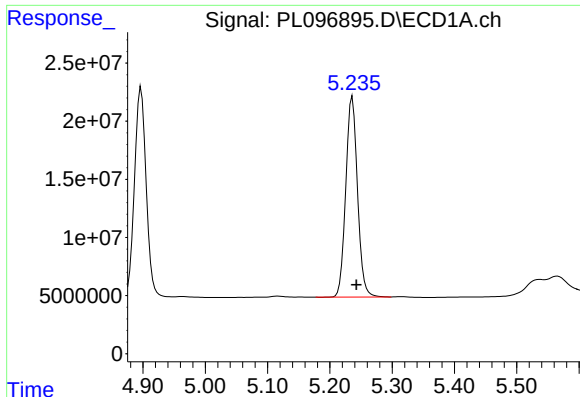
#4 Heptachlor

R.T.: 4.897 min
Delta R.T.: -0.006 min
Response: 235578505
Conc: 56.69 ng/ml



#4 Heptachlor

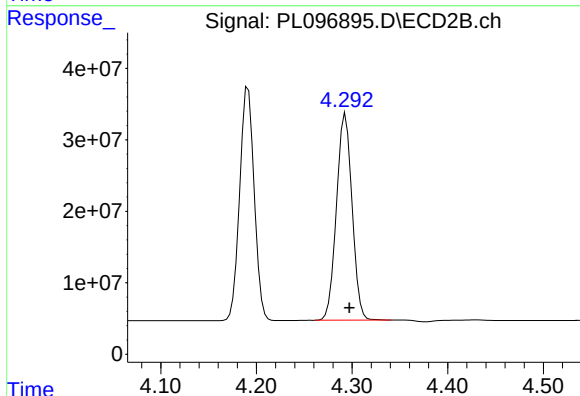
R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 349587085
Conc: 52.48 ng/ml



#5 Aldrin

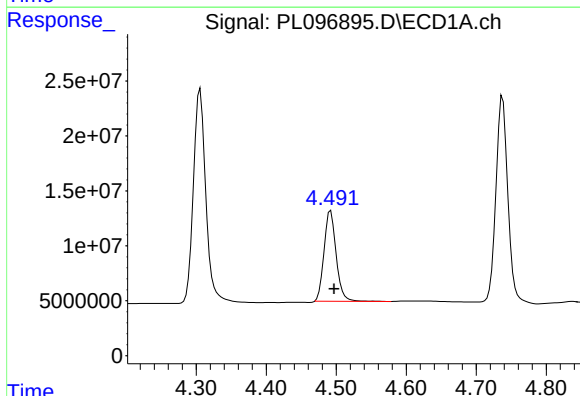
R.T.: 5.236 min
Delta R.T.: -0.007 min
Response: 227019201
Conc: 52.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



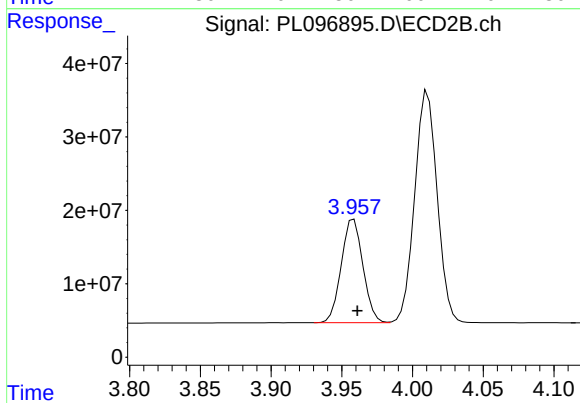
#5 Aldrin

R.T.: 4.293 min
Delta R.T.: -0.004 min
Response: 327407727
Conc: 52.75 ng/ml



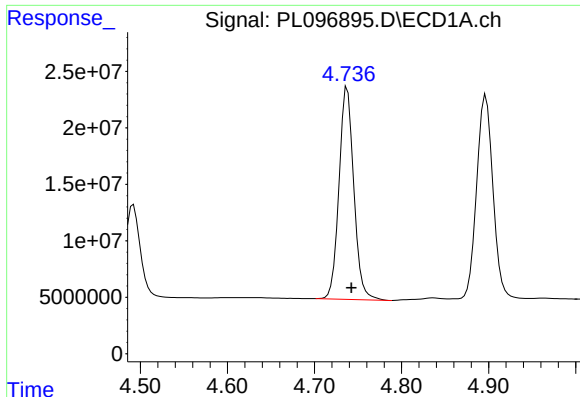
#6 beta-BHC

R.T.: 4.492 min
Delta R.T.: -0.005 min
Response: 99171905
Conc: 54.94 ng/ml



#6 beta-BHC

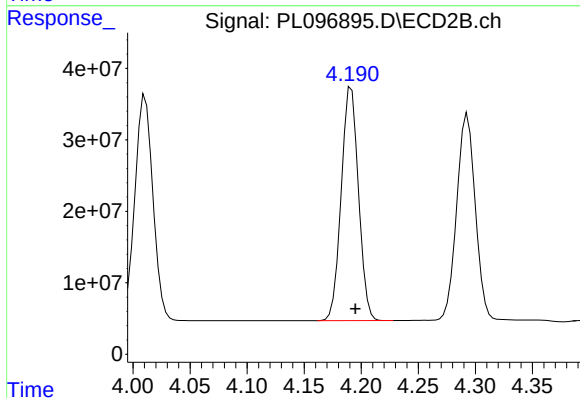
R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 150429846
Conc: 53.33 ng/ml



#7 delta-BHC

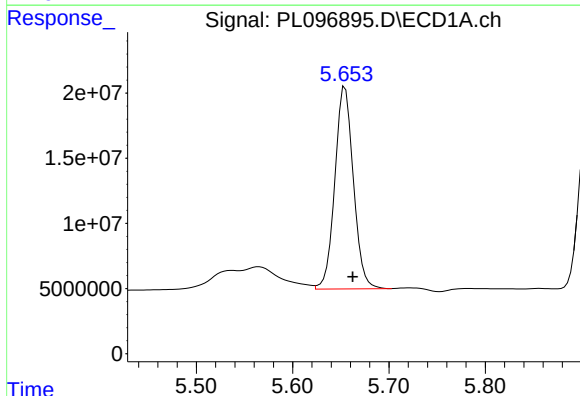
R.T.: 4.738 min
Delta R.T.: -0.005 min
Response: 222290465
Conc: 55.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



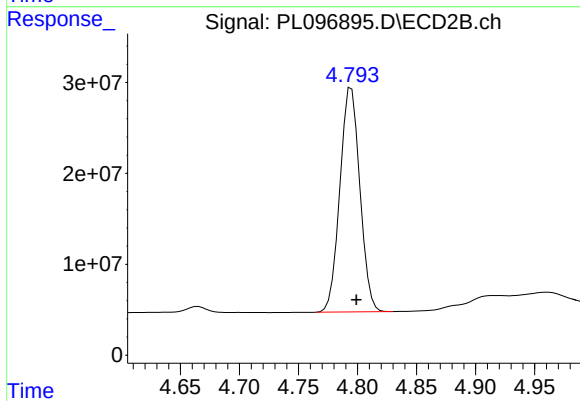
#7 delta-BHC

R.T.: 4.191 min
Delta R.T.: -0.004 min
Response: 344229392
Conc: 53.17 ng/ml



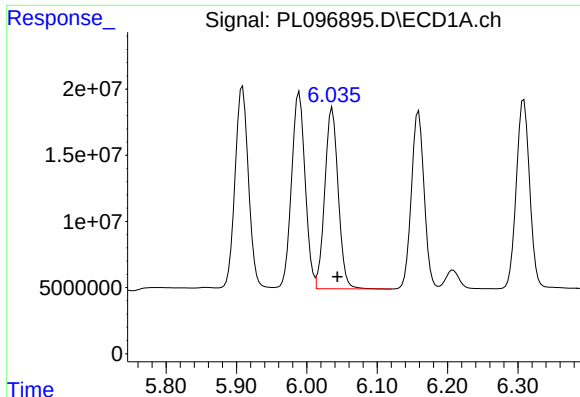
#8 Heptachlor epoxide

R.T.: 5.654 min
Delta R.T.: -0.008 min
Response: 207910728
Conc: 53.91 ng/ml



#8 Heptachlor epoxide

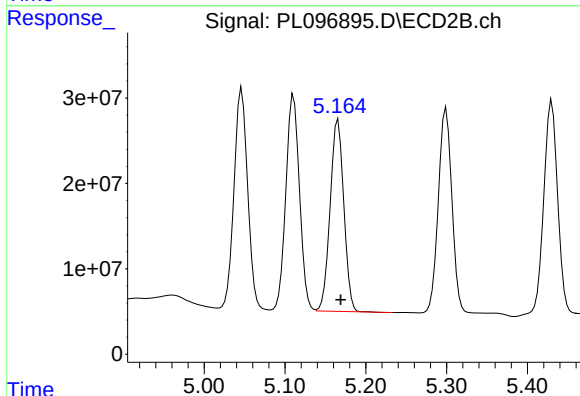
R.T.: 4.795 min
Delta R.T.: -0.004 min
Response: 290577483
Conc: 50.88 ng/ml



#9 Endosulfan I

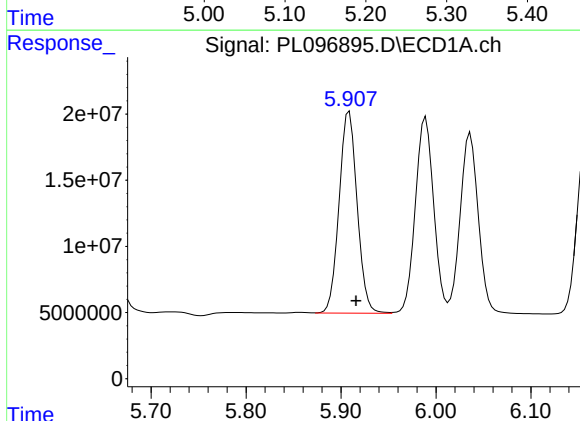
R.T.: 6.036 min
Delta R.T.: -0.007 min
Response: 181671756
Conc: 50.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



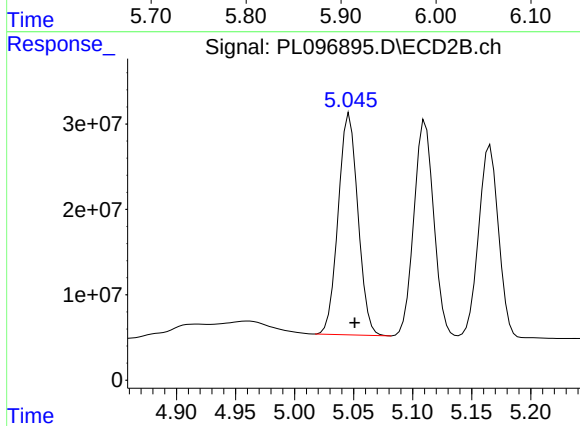
#9 Endosulfan I

R.T.: 5.166 min
Delta R.T.: -0.003 min
Response: 264144465
Conc: 47.75 ng/ml



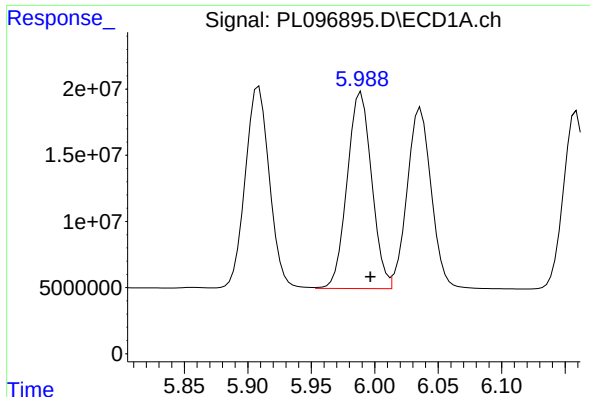
#10 gamma-Chlordane

R.T.: 5.909 min
Delta R.T.: -0.007 min
Response: 202067468
Conc: 53.10 ng/ml



#10 gamma-Chlordane

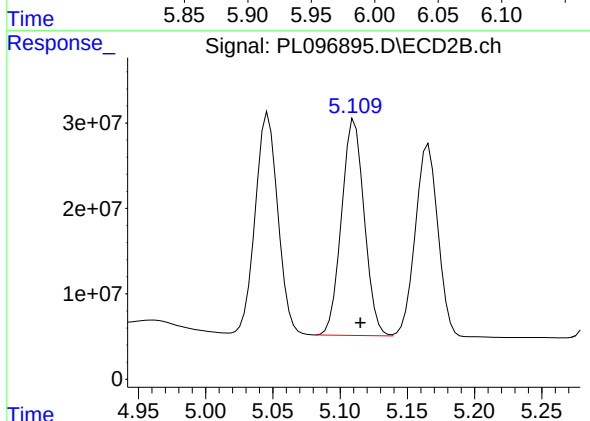
R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 301620074
Conc: 51.29 ng/ml



#11 alpha-Chlordane

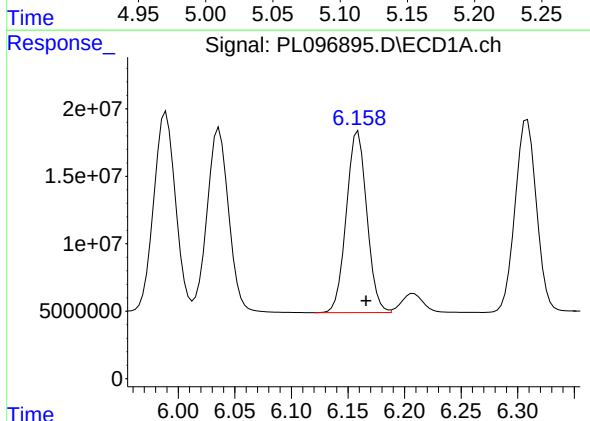
R.T.: 5.989 min
Delta R.T.: -0.007 min
Response: 199357818
Conc: 51.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



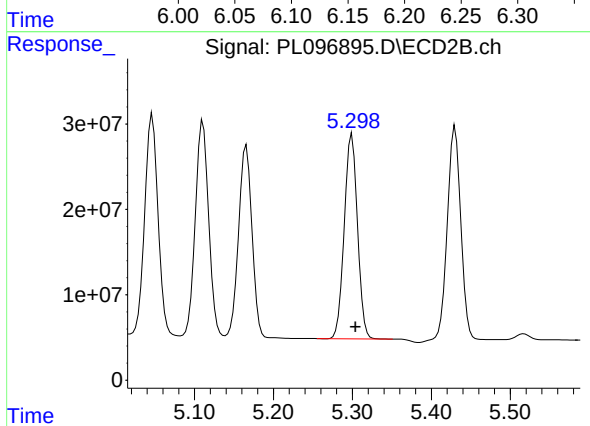
#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 296330669
Conc: 50.23 ng/ml



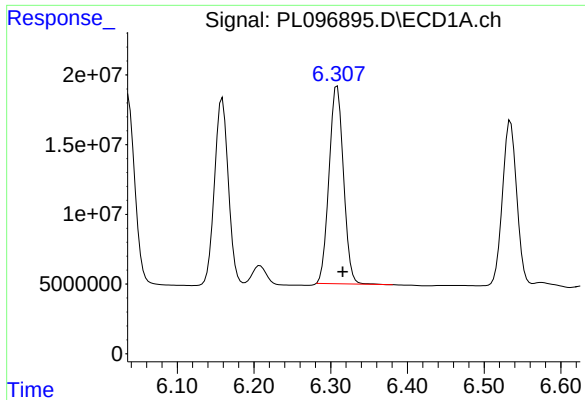
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 169383678
Conc: 52.75 ng/ml



#12 4,4'-DDE

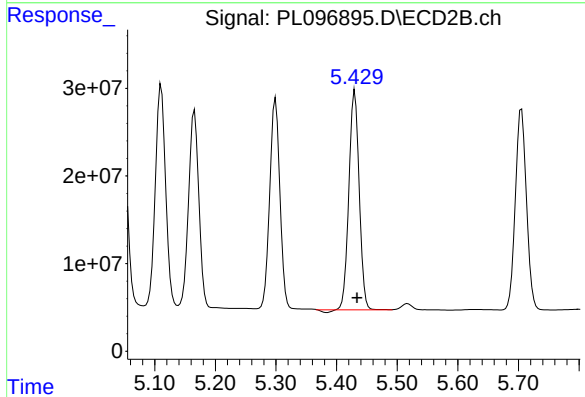
R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 279125638
Conc: 50.62 ng/ml



#13 Dieldrin

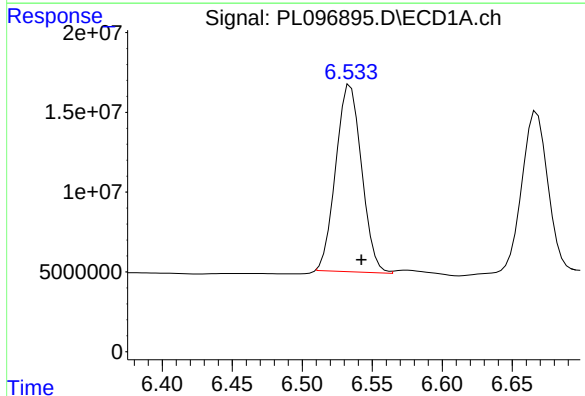
R.T.: 6.308 min
Delta R.T.: -0.007 min
Response: 185350821
Conc: 49.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



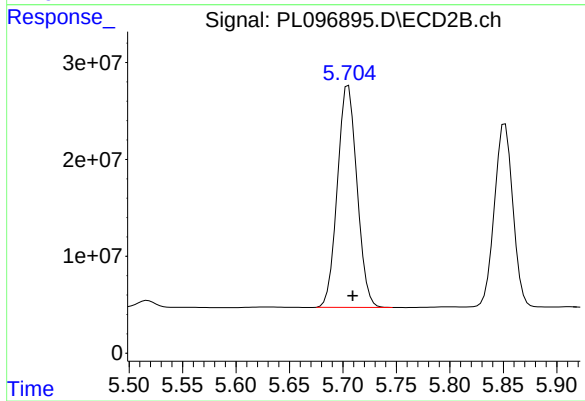
#13 Dieldrin

R.T.: 5.430 min
Delta R.T.: -0.004 min
Response: 293687663
Conc: 49.72 ng/ml



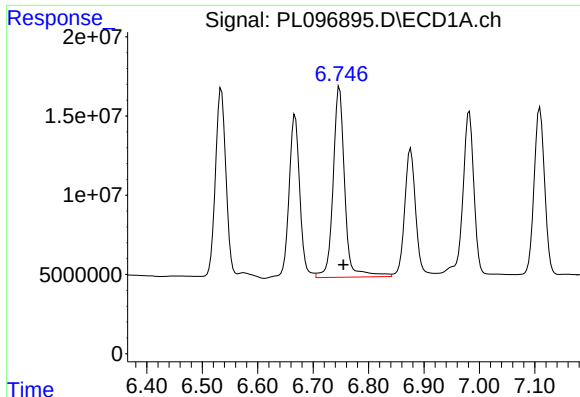
#14 Endrin

R.T.: 6.534 min
Delta R.T.: -0.008 min
Response: 150351916
Conc: 49.67 ng/ml



#14 Endrin

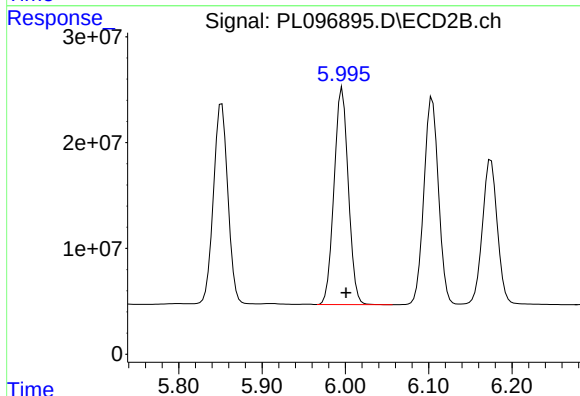
R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 292405513
Conc: 54.09 ng/ml



#15 Endosulfan II

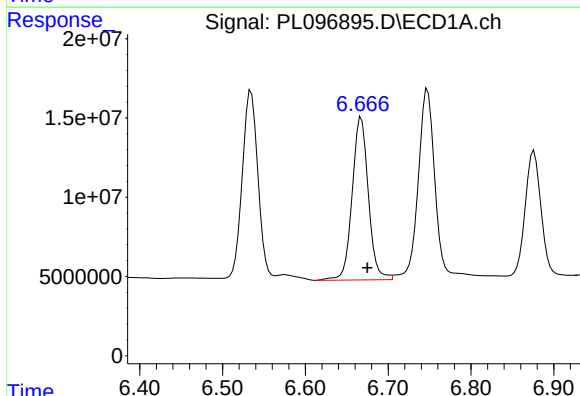
R.T.: 6.748 min
Delta R.T.: -0.007 min
Response: 174982062
Conc: 54.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



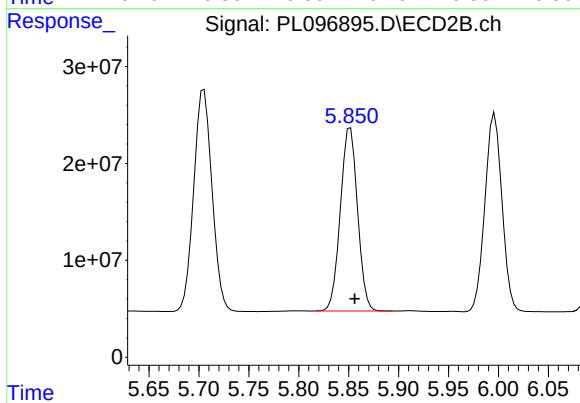
#15 Endosulfan II

R.T.: 5.996 min
Delta R.T.: -0.005 min
Response: 243816346
Conc: 47.47 ng/ml



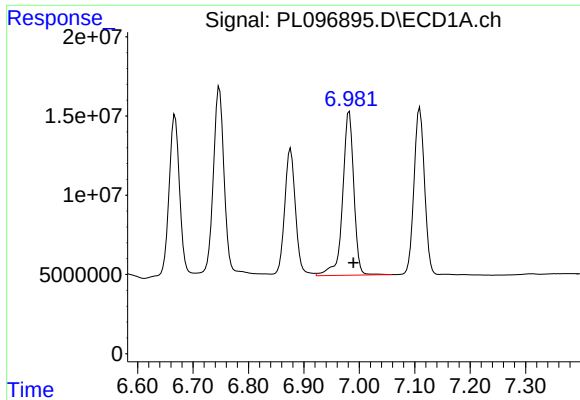
#16 4,4'-DDD

R.T.: 6.667 min
Delta R.T.: -0.007 min
Response: 139662064
Conc: 55.24 ng/ml



#16 4,4'-DDD

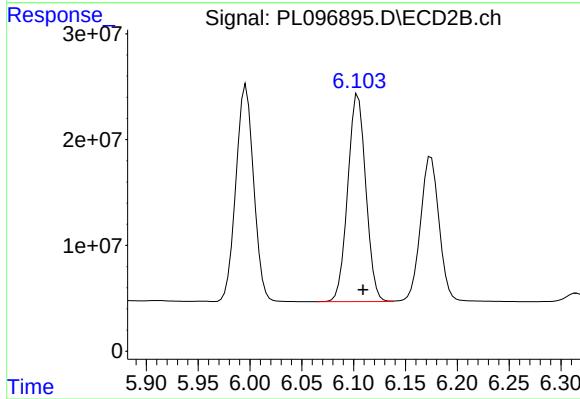
R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 226463624
Conc: 48.13 ng/ml



#17 4,4'-DDT

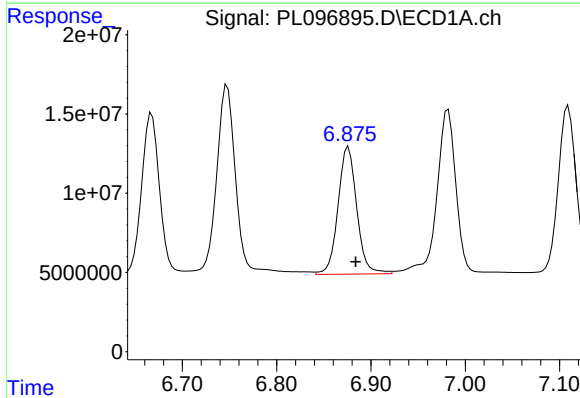
R.T.: 6.982 min
Delta R.T.: -0.007 min
Response: 145297902
Conc: 50.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



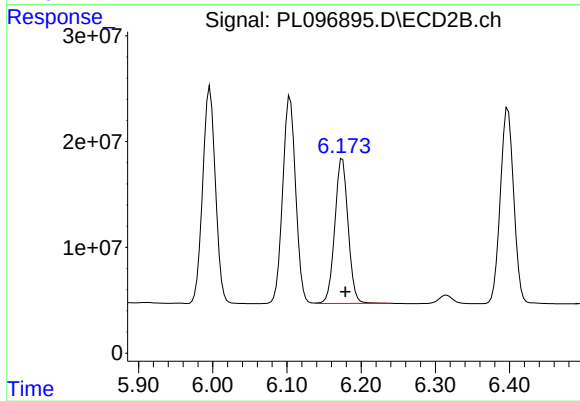
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 237908619
Conc: 47.03 ng/ml



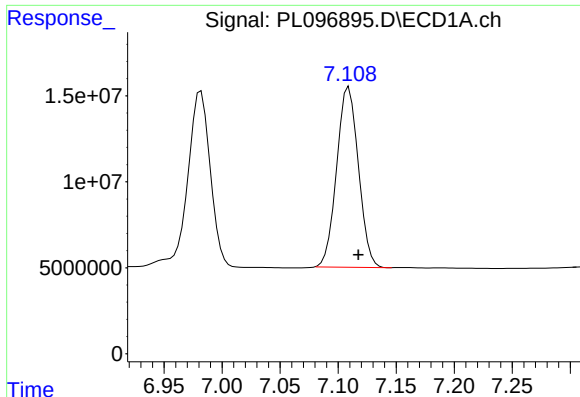
#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: -0.008 min
Response: 111101669
Conc: 51.77 ng/ml



#18 Endrin aldehyde

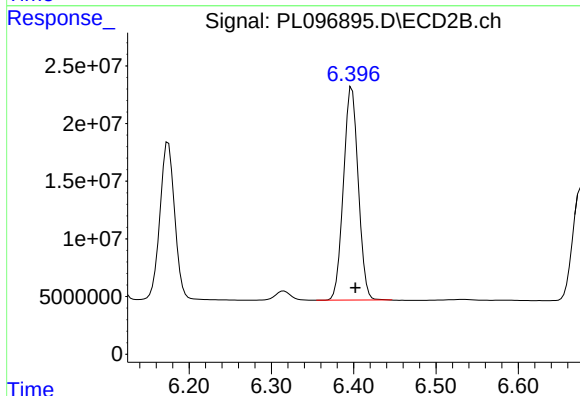
R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 171006400
Conc: 47.04 ng/ml



#19 Endosulfan Sulfate

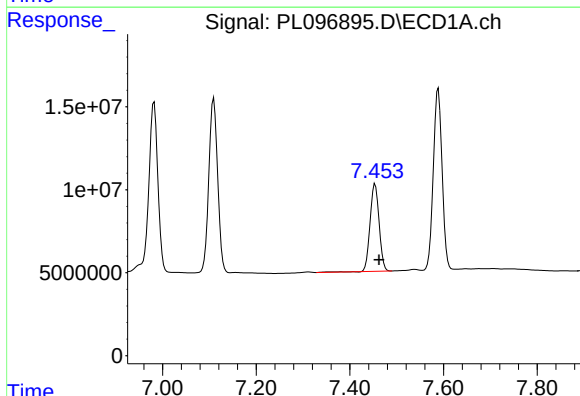
R.T.: 7.109 min
Delta R.T.: -0.008 min
Response: 136737595
Conc: 47.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



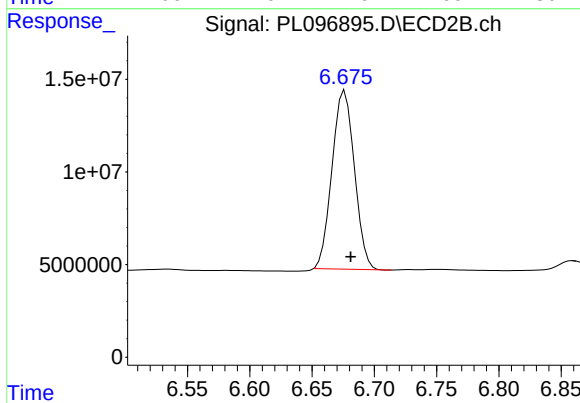
#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 231295806
Conc: 45.48 ng/ml



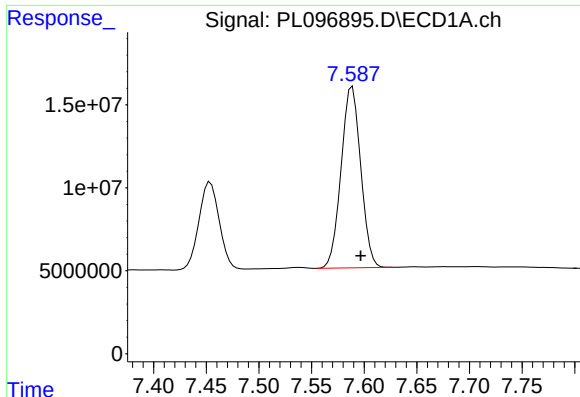
#20 Methoxychlor

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 71097287
Conc: 48.42 ng/ml



#20 Methoxychlor

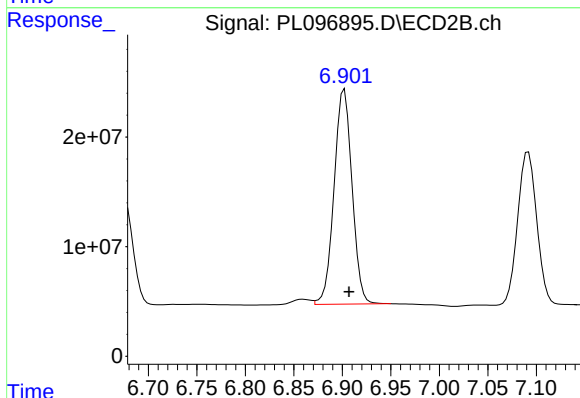
R.T.: 6.676 min
Delta R.T.: -0.005 min
Response: 120756418
Conc: 44.06 ng/ml



#21 Endrin ketone

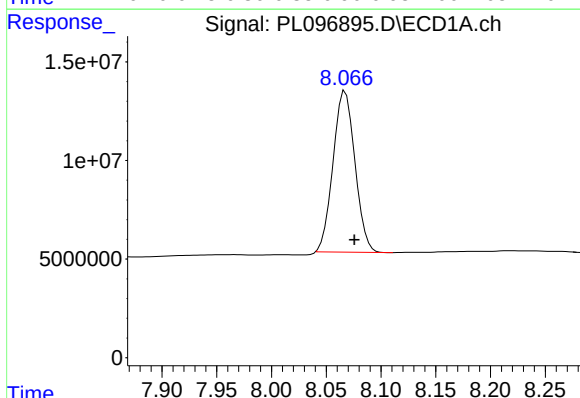
R.T.: 7.589 min
Delta R.T.: -0.008 min
Response: 142254625
Conc: 47.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



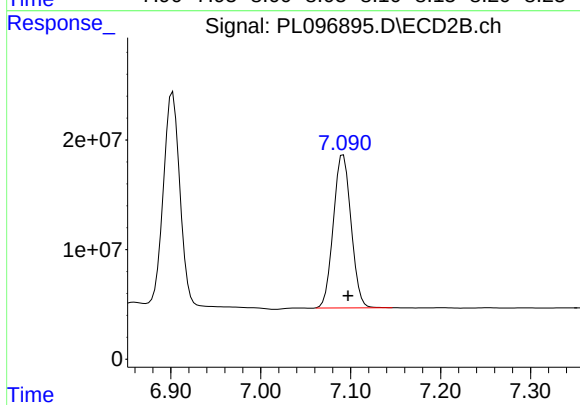
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 252468589
Conc: 45.33 ng/ml



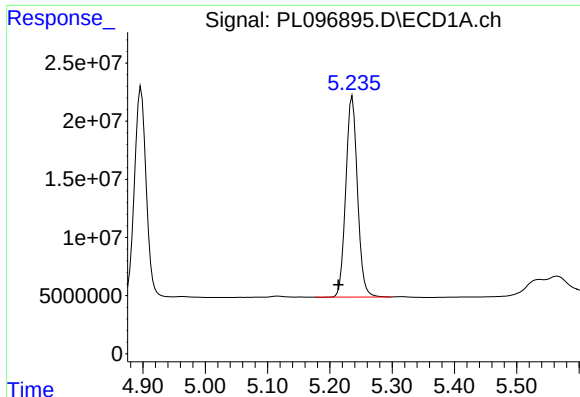
#22 Mirex

R.T.: 8.067 min
Delta R.T.: -0.008 min
Response: 113565732
Conc: 45.80 ng/ml



#22 Mirex

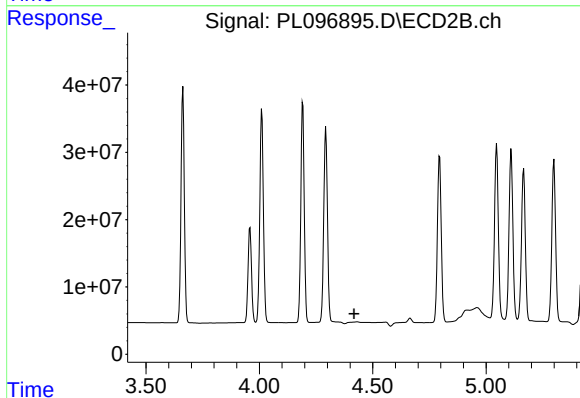
R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 191414963
Conc: 43.89 ng/ml



#24 Chlordane-2

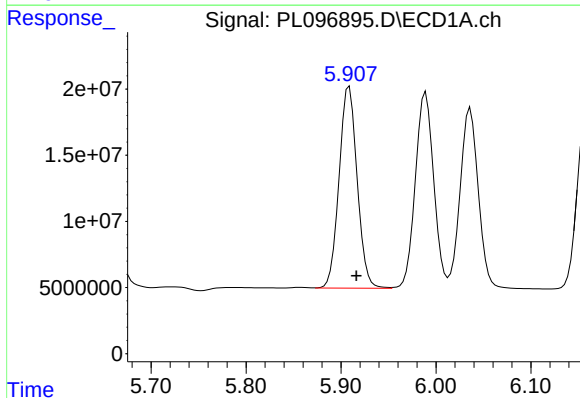
R.T.: 5.236 min
Delta R.T.: 0.022 min
Response: 227019201
Conc: 1297.20 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



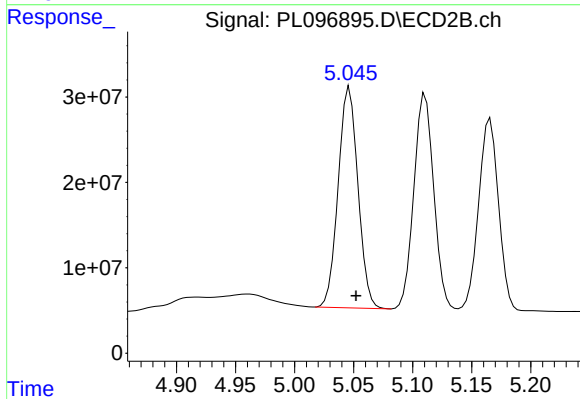
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.418 min
Response: 0
Conc: N.D.



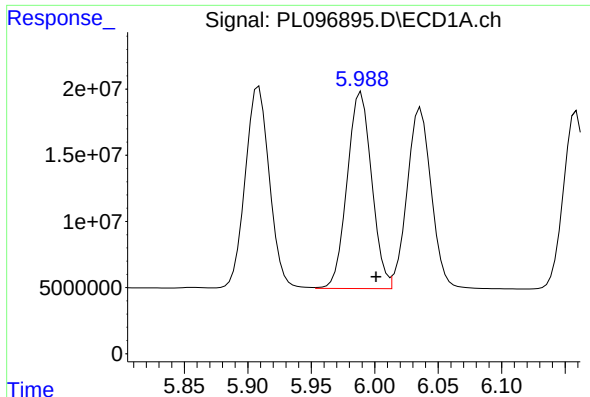
#25 Chlordane-3

R.T.: 5.909 min
Delta R.T.: -0.008 min
Response: 202067468
Conc: 302.52 ng/ml



#25 Chlordane-3

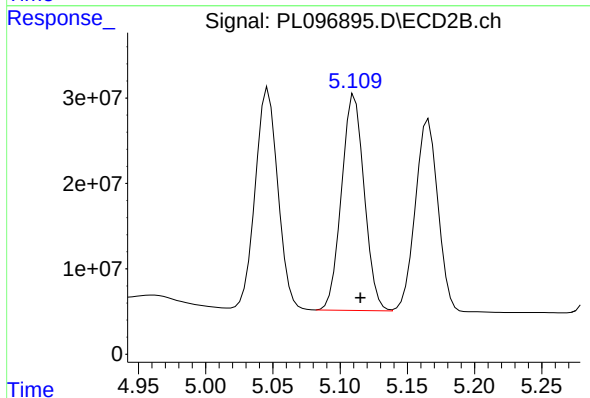
R.T.: 5.047 min
Delta R.T.: -0.005 min
Response: 301620074
Conc: 433.80 ng/ml



#26 Chlordane-4

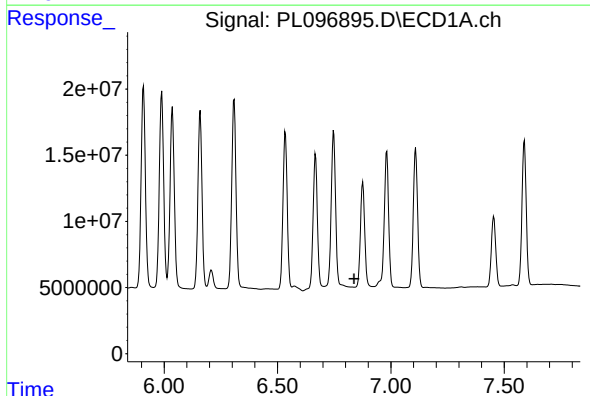
R.T.: 5.989 min
Delta R.T.: -0.012 min
Response: 199357818
Conc: 240.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



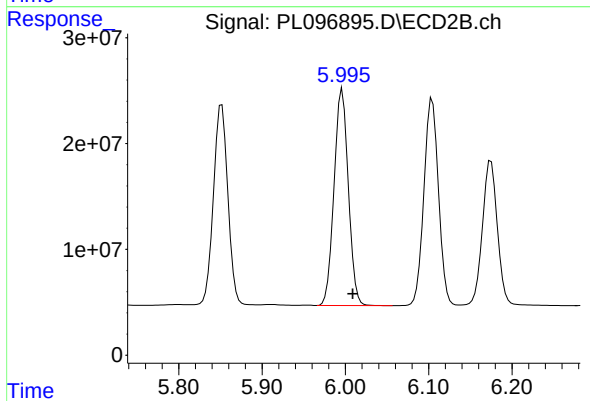
#26 Chlordane-4

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 296330669
Conc: 476.16 ng/ml



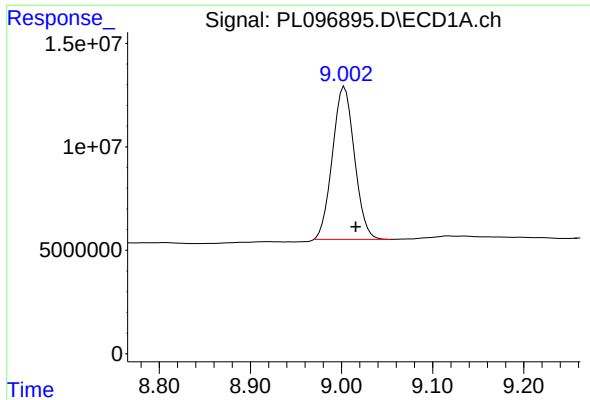
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.838 min
Response: 0
Conc: N.D.



#27 Chlordane-5

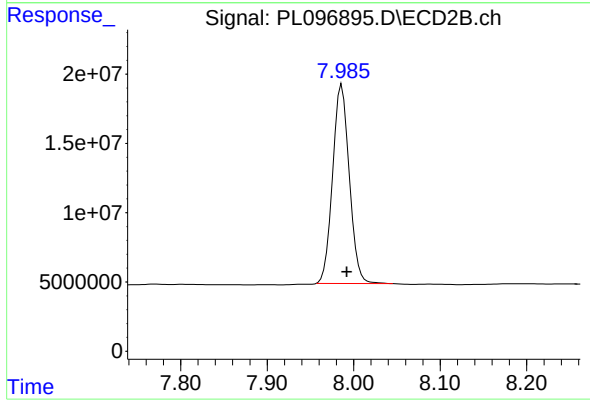
R.T.: 5.996 min
Delta R.T.: -0.012 min
Response: 243816346
Conc: 955.72 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.003 min
Delta R.T.: -0.012 min
Response: 123763362
Conc: 51.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 191643401
Conc: 44.17 ng/ml