

Cover Page

Order ID : Q2814

Project ID : USACE018-44 DOD

Client : First Environment, Inc.

Lab Sample Number

Q2814-01
Q2814-02
Q2814-03
Q2814-04
Q2814-05
Q2814-06
Q2814-07
Q2814-08
Q2814-09
Q2814-10
Q2814-11
Q2814-12
Q2814-13
Q2814-14
Q2814-15
Q2814-16
Q2814-17
Q2814-18
Q2814-19
Q2814-20
Q2814-21
Q2814-22
Q2814-23

Client Sample Number

TW-84SB-E
TW-17M-N
TW-17M-W
TW-82H-N
TW-82H-E
TW-82H-S
TW-82H-W
TW-38M-E
TW-38M-W
TW-38M-N
TW-38M-S
TW-BP-S
TW-BP-N
TW-BP-E
TW-BP-W
FB
TW-518R-S
TW-518R-N
TW-518R-E
TW-518R-W
TB
TW-84SB-E
TW-17M-W

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: 8/22/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

First Environment, Inc.

Project Name: USACE018-44 DOD

Project # N/A

Order ID # Q2814

Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:

23 Water samples were received on 08/08/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Dissolved ICP-TAL Metals, Dissolved Mercury, DISSOLVED METALS-TAL, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SVOC-TCL BNA -20 and VOC-TCLVOA-10. 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 μ m df, Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 μ m df, Catalog #: 7HMG017-11. The analysis of Pesticide-TCLs was based on method 8081B and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all samples except for FB, sample extraction out of hold as sample received late.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The RPD met criteria.

The Blank Spike met requirements for all samples.

The Blank Spike Duplicate met requirements for all samples.

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.

E. Additional Comments:

The not QT review data is reported in the Miscellaneous.

F. Manual Integration Comments:



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

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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: Q2814

MATRIX: Water

METHOD: 8081B/3510

	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.			
4. The Continuous Calibration met the requirements Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5. Surrogate Recoveries Meet Criteria			✓
If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
The Blank Spike met requirements for all samples . The Blank Spike Duplicate met requirements for all samples . The RPD met criteria .			
7. Retention Time Shift Meet Criteria (if applicable)			✓
Comments:			
8. Extraction Holding Time Met		✓	
If not met, list number of days exceeded for each sample:			
9. Analysis Holding Time Met		✓	
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
The Holding Times were met for all samples except for FB,sample extretion out of hold as sample received late.			



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

The not QT review data is reported in the Miscellaneous.

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2814

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: NILESH PRAJAPATI

Date: 08/22/2025

LAB CHRONICLE

OrderID: Q2814	OrderDate: 8/11/2025 10:31:02 AM
Client: First Environment, Inc.	Project: USACE018-44 DOD
Contact: Al Smith	Location: D31,D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2814-01	TW-84SB-E	WATER	PCB	8082A	08/05/25	08/12/25	08/13/25	08/08/25
			Pesticide-TCL	8081B		08/12/25	08/15/25	
Q2814-03	TW-17M-W	WATER	PCB	8082A	08/05/25	08/12/25	08/13/25	08/08/25
			Pesticide-TCL	8081B		08/12/25	08/15/25	
Q2814-16	FB	WATER	PCB	8082A	08/04/25	08/12/25	08/13/25	08/08/25
			Pesticide-TCL	8081B		08/12/25	08/15/25	
Q2814-17	TW-518R-S	WATER	PCB	8082A	08/05/25	08/12/25	08/14/25	08/08/25
			Pesticide-TCL	8081B		08/12/25	08/15/25	

Hit Summary Sheet
SW-846

SDG No.: Q2814

Order ID: Q2814

Client: First Environment, Inc.

Project ID: USACE018-44 DOD

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : TW-17M-W									
Q2814-03	TW-17M-W	WATER	alpha-Chlordane	0.93		0.0035	0.010	0.051	ug/L
Q2814-03	TW-17M-W	WATER	gamma-Chlordane	0.72		0.0039	0.010	0.051	ug/L
Total Concentration:				1.650					
Client ID : TW-518R-S									
Q2814-17	TW-518R-S	WATER	Dieldrin	0.0061	J	0.0036	0.010	0.051	ug/L
Q2814-17	TW-518R-S	WATER	4,4-DDE	0.016	J	0.0037	0.010	0.051	ug/L
Q2814-17	TW-518R-S	WATER	Endrin	0.0051	J	0.0032	0.010	0.051	ug/L
Q2814-17	TW-518R-S	WATER	4,4-DDD	0.013	J	0.0072	0.025	0.051	ug/L
Total Concentration:				0.040					



QC SUMMARY

Surrogate Summary

SDG No.: **Q2814**

Client: **First Environment, Inc.**

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-PL096817.D	PIBLK-PL096817.D	Decachlorobiphen	1	20	22.6	113		30	135
		Tetrachloro-m-xyl	1	20	21.1	105		44	124
		Decachlorobiphen	2	20	19.3	97		30	135
		Tetrachloro-m-xyl	2	20	19.9	100		44	124
PB169225BL	PB169225BL	Decachlorobiphen	1	20	20.5	102		30	135
		Tetrachloro-m-xyl	1	20	19.6	98		44	124
		Decachlorobiphen	2	20	20.6	103		30	135
		Tetrachloro-m-xyl	2	20	19.7	99		44	124
PB169225BS	PB169225BS	Decachlorobiphen	1	20	20.5	102		30	135
		Tetrachloro-m-xyl	1	20	19.1	96		44	124
		Decachlorobiphen	2	20	20.9	105		30	135
		Tetrachloro-m-xyl	2	20	19.7	99		44	124
PB169225BSD	PB169225BSD	Decachlorobiphen	1	20	20.2	101		30	135
		Tetrachloro-m-xyl	1	20	18.7	94		44	124
		Decachlorobiphen	2	20	20.8	104		30	135
		Tetrachloro-m-xyl	2	20	19.3	96		44	124
I.BLK-PL096827.D	PIBLK-PL096827.D	Decachlorobiphen	1	20	21.9	109		30	135
		Tetrachloro-m-xyl	1	20	20.2	101		44	124
		Decachlorobiphen	2	20	22.1	110		30	135
		Tetrachloro-m-xyl	2	20	20.6	103		44	124
Q2814-01	TW-84SB-E	Decachlorobiphen	1	20	17.3	86		30	135
		Tetrachloro-m-xyl	1	20	20.0	100		44	124
		Decachlorobiphen	2	20	17.3	86		30	135
		Tetrachloro-m-xyl	2	20	20.6	103		44	124
Q2814-03	TW-17M-W	Decachlorobiphen	1	20	13.5	67		30	135
		Tetrachloro-m-xyl	1	20	17.0	85		44	124
		Decachlorobiphen	2	20	14.1	70		30	135
		Tetrachloro-m-xyl	2	20	18.2	91		44	124
Q2814-16	FB	Decachlorobiphen	1	20	12.7	64		30	135
		Tetrachloro-m-xyl	1	20	18.3	91		44	124
		Decachlorobiphen	2	20	13.6	68		30	135
		Tetrachloro-m-xyl	2	20	18.6	93		44	124
Q2814-17	TW-518R-S	Decachlorobiphen	1	20	10.2	51		30	135
		Tetrachloro-m-xyl	1	20	12.8	64		44	124
		Decachlorobiphen	2	20	10.1	51		30	135
		Tetrachloro-m-xyl	2	20	13.5	68		44	124
I.BLK-PL096835.D	PIBLK-PL096835.D	Decachlorobiphen	1	20	21.5	107		30	135

Surrogate Summary

SDG No.: Q2814

Client: First Environment, Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PL096835.D	PIBLK-PL096835.D	Tetrachloro-m-xyl	1	20	20.4	102		44	124
		Decachlorobiphen	2	20	20.8	104		30	135
		Tetrachloro-m-xyl	2	20	20.5	102		44	124

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2814

Analytical Method: 8081B

Client: First Environment, Inc.

Datafile : PL096823.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB169225BS (Column 1)	alpha-BHC	0.5	0.50	ug/L	100				54	138	
	beta-BHC	0.5	0.50	ug/L	100				56	136	
	delta-BHC	0.5	0.50	ug/L	101				52	142	
	gamma-BHC (Lindane)	0.5	0.50	ug/L	99				59	134	
	Heptachlor	0.5	0.53	ug/L	106				54	130	
	Aldrin	0.5	0.49	ug/L	99				45	134	
	Heptachlor epoxide	0.5	0.51	ug/L	101				61	133	
	Endosulfan I	0.5	0.49	ug/L	98				62	126	
	Dieldrin	0.5	0.49	ug/L	99				60	136	
	4,4'-DDE	0.5	0.49	ug/L	98				57	135	
	Endrin	0.5	0.51	ug/L	102				60	138	
	Endosulfan II	0.5	0.51	ug/L	101				52	135	
	4,4'-DDD	0.5	0.50	ug/L	101				56	143	
	Endosulfan sulfate	0.5	0.48	ug/L	96				62	133	
	4,4'-DDT	0.5	0.50	ug/L	99				51	143	
	Methoxychlor	0.5	0.49	ug/L	97				54	145	
	Endrin ketone	0.5	0.49	ug/L	98				58	134	
	Endrin aldehyde	0.5	0.53	ug/L	106				51	132	
	alpha-Chlordane	0.5	0.50	ug/L	100				60	129	
	gamma-Chlordane	0.5	0.50	ug/L	101				56	136	
	alpha-BHC	0.5	0.50	ug/L	100				54	138	
PB169225BS (Column 2)	beta-BHC	0.5	0.50	ug/L	99				56	136	
	delta-BHC	0.5	0.50	ug/L	100				52	142	
	gamma-BHC (Lindane)	0.5	0.50	ug/L	100				59	134	
	Heptachlor	0.5	0.49	ug/L	98				54	130	
	Aldrin	0.5	0.50	ug/L	99				45	134	
	Heptachlor epoxide	0.5	0.49	ug/L	98				61	133	
	Endosulfan I	0.5	0.48	ug/L	95				62	126	
	Dieldrin	0.5	0.49	ug/L	98				60	136	
	4,4'-DDE	0.5	0.49	ug/L	99				57	135	
	Endrin	0.5	0.48	ug/L	97				60	138	
	Endosulfan II	0.5	0.49	ug/L	97				52	135	
	4,4'-DDD	0.5	0.49	ug/L	99				56	143	
	Endosulfan sulfate	0.5	0.48	ug/L	97				62	133	
	4,4'-DDT	0.5	0.49	ug/L	97				51	143	
	Methoxychlor	0.5	0.48	ug/L	97				54	145	
	Endrin ketone	0.5	0.52	ug/L	104				58	134	
	Endrin aldehyde	0.5	0.55	ug/L	110				51	132	
	alpha-Chlordane	0.5	0.49	ug/L	97				60	129	
	gamma-Chlordane	0.5	0.50	ug/L	99				56	136	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2814

Analytical Method: 8081B

Client: First Environment, Inc.

Datafile : PL096824.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB169225BSD (Column 1)	alpha-BHC	0.5	0.48	ug/L	96	4			54	138	20
	beta-BHC	0.5	0.49	ug/L	97	3			56	136	20
	delta-BHC	0.5	0.49	ug/L	98	3			52	142	20
	gamma-BHC (Lindane)	0.5	0.48	ug/L	95	4			59	134	20
	Heptachlor	0.5	0.52	ug/L	103	3			54	130	20
	Aldrin	0.5	0.48	ug/L	96	3			45	134	20
	Heptachlor epoxide	0.5	0.49	ug/L	99	2			61	133	20
	Endosulfan I	0.5	0.48	ug/L	97	1			62	126	20
	Dieldrin	0.5	0.49	ug/L	97	2			60	136	20
	4,4'-DDE	0.5	0.50	ug/L	99	1			57	135	20
	Endrin	0.5	0.49	ug/L	98	4			60	138	20
	Endosulfan II	0.5	0.51	ug/L	102	1			52	135	20
	4,4'-DDD	0.5	0.49	ug/L	99	2			56	143	20
	Endosulfan sulfate	0.5	0.48	ug/L	95	1			62	133	20
	4,4'-DDT	0.5	0.48	ug/L	96	3			51	143	20
	Methoxychlor	0.5	0.47	ug/L	93	4			54	145	20
	Endrin ketone	0.5	0.48	ug/L	96	2			58	134	20
	Endrin aldehyde	0.5	0.52	ug/L	104	2			51	132	20
	alpha-Chlordane	0.5	0.49	ug/L	98	2			60	129	20
	gamma-Chlordane	0.5	0.49	ug/L	98	3			56	136	20
	alpha-BHC	0.5	0.48	ug/L	97	3			54	138	20
PB169225BSD (Column 2)	beta-BHC	0.5	0.48	ug/L	96	3			56	136	20
	delta-BHC	0.5	0.48	ug/L	97	3			52	142	20
	gamma-BHC (Lindane)	0.5	0.48	ug/L	97	3			59	134	20
	Heptachlor	0.5	0.48	ug/L	95	3			54	130	20
	Aldrin	0.5	0.48	ug/L	96	3			45	134	20
	Heptachlor epoxide	0.5	0.48	ug/L	96	2			61	133	20
	Endosulfan I	0.5	0.46	ug/L	92	3			62	126	20
	Dieldrin	0.5	0.48	ug/L	96	2			60	136	20
	4,4'-DDE	0.5	0.48	ug/L	96	3			57	135	20
	Endrin	0.5	0.47	ug/L	94	3			60	138	20
	Endosulfan II	0.5	0.48	ug/L	95	2			52	135	20
	4,4'-DDD	0.5	0.48	ug/L	97	2			56	143	20
	Endosulfan sulfate	0.5	0.47	ug/L	95	2			62	133	20
	4,4'-DDT	0.5	0.47	ug/L	94	3			51	143	20
	Methoxychlor	0.5	0.47	ug/L	94	3			54	145	20
	Endrin ketone	0.5	0.49	ug/L	98	6			58	134	20
	Endrin aldehyde	0.5	0.54	ug/L	108	2			51	132	20
	alpha-Chlordane	0.5	0.47	ug/L	95	2			60	129	20
	gamma-Chlordane	0.5	0.48	ug/L	97	2			56	136	20

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB169225BL

Lab Name: Alliance

Contract: FIRS02

Lab Code: ACE

SDG NO.: Q2814

Lab Sample ID: PB169225BL

Lab File ID: PL096822.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 08/12/2025

Date Analyzed (1): 08/15/2025

Date Analyzed (2): 08/15/2025

Time Analyzed (1): 16:07

Time Analyzed (2): 16:07

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
PB169225BS	PB169225BS	PL096823.D	08/15/2025	08/15/2025
PB169225BSD	PB169225BSD	PL096824.D	08/15/2025	08/15/2025
TW-84SB-E	Q2814-01	PL096831.D	08/15/2025	08/15/2025
TW-17M-W	Q2814-03	PL096832.D	08/15/2025	08/15/2025
FB	Q2814-16	PL096833.D	08/15/2025	08/15/2025
TW-518R-S	Q2814-17	PL096834.D	08/15/2025	08/15/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-84SB-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-01	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
PL096831.D	1	08/12/25 10:20	08/15/25 18:59	PB169225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.010	U	0.0039	0.010	0.050	ug/L
319-85-7	beta-BHC	0.010	U	0.0049	0.010	0.050	ug/L
319-86-8	delta-BHC	0.025	U	0.011	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.010	U	0.0037	0.010	0.050	ug/L
76-44-8	Heptachlor	0.010	U	0.0027	0.010	0.050	ug/L
309-00-2	Aldrin	0.010	U	0.0036	0.010	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0096	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.010	U	0.0031	0.010	0.050	ug/L
60-57-1	Dieldrin	0.010	U	0.0036	0.010	0.050	ug/L
72-55-9	4,4-DDE	0.010	U	0.0037	0.010	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0032	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0079	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.025	U	0.0071	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.010	U	0.0037	0.010	0.050	ug/L
50-29-3	4,4-DDT	0.010	U	0.0035	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0093	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.011	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.010	U	0.0035	0.010	0.050	ug/L
5103-74-2	gamma-Chlordane	0.010	U	0.0039	0.010	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.17	0.50	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	17.3		30 - 135		86%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		44 - 124		103%	SPK: 20

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-84SB-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-01	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
PL096831.D	1	08/12/25 10:20	08/15/25 18:59	PB169225

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\PL081625\
 Data File : PL096831.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 18:59
 Operator : AR\AJ
 Sample : Q2814-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TW-84SB-E

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/18/2025
 Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 05:56:04 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	63737815	98184634	20.038m	20.550
2)	SA Decachlor...	9.002	7.987	41146477	74905790	17.255m	17.266

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096831.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 18:59
Operator : AR\AJ
Sample : Q2814-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

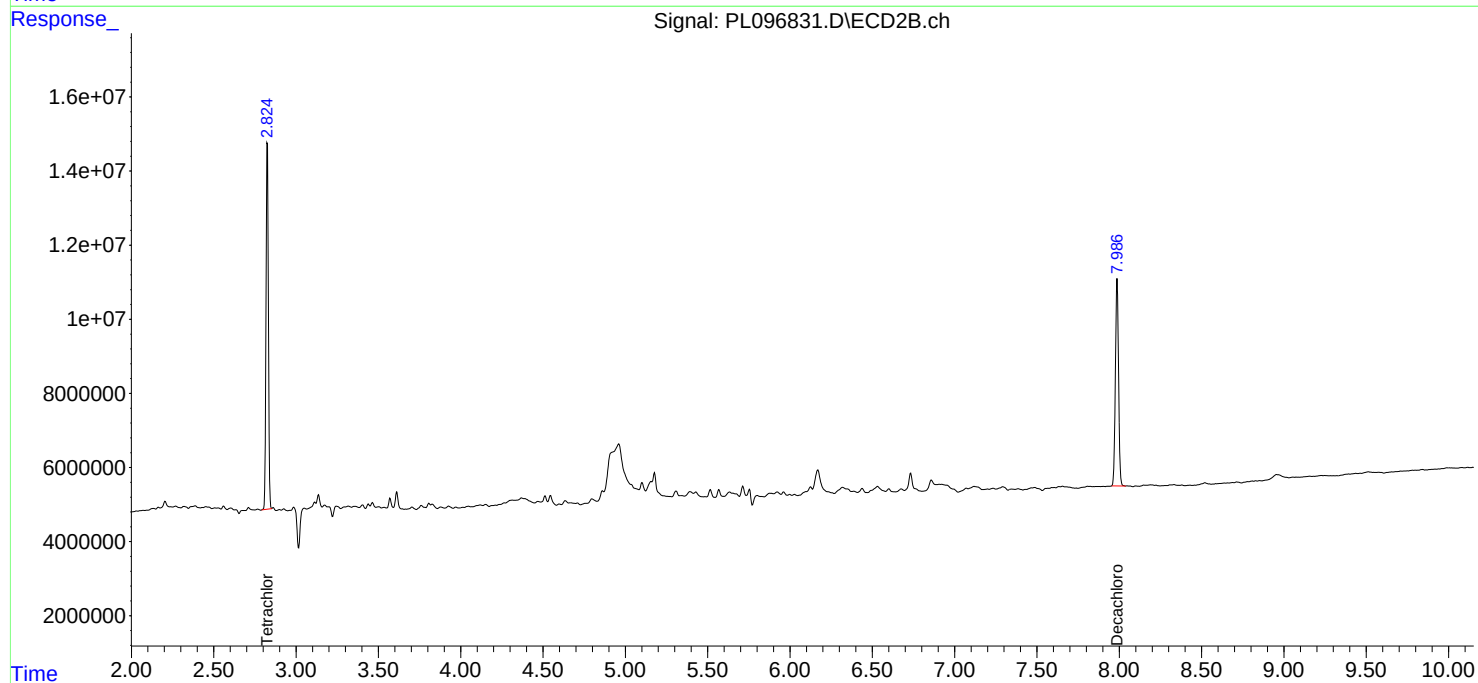
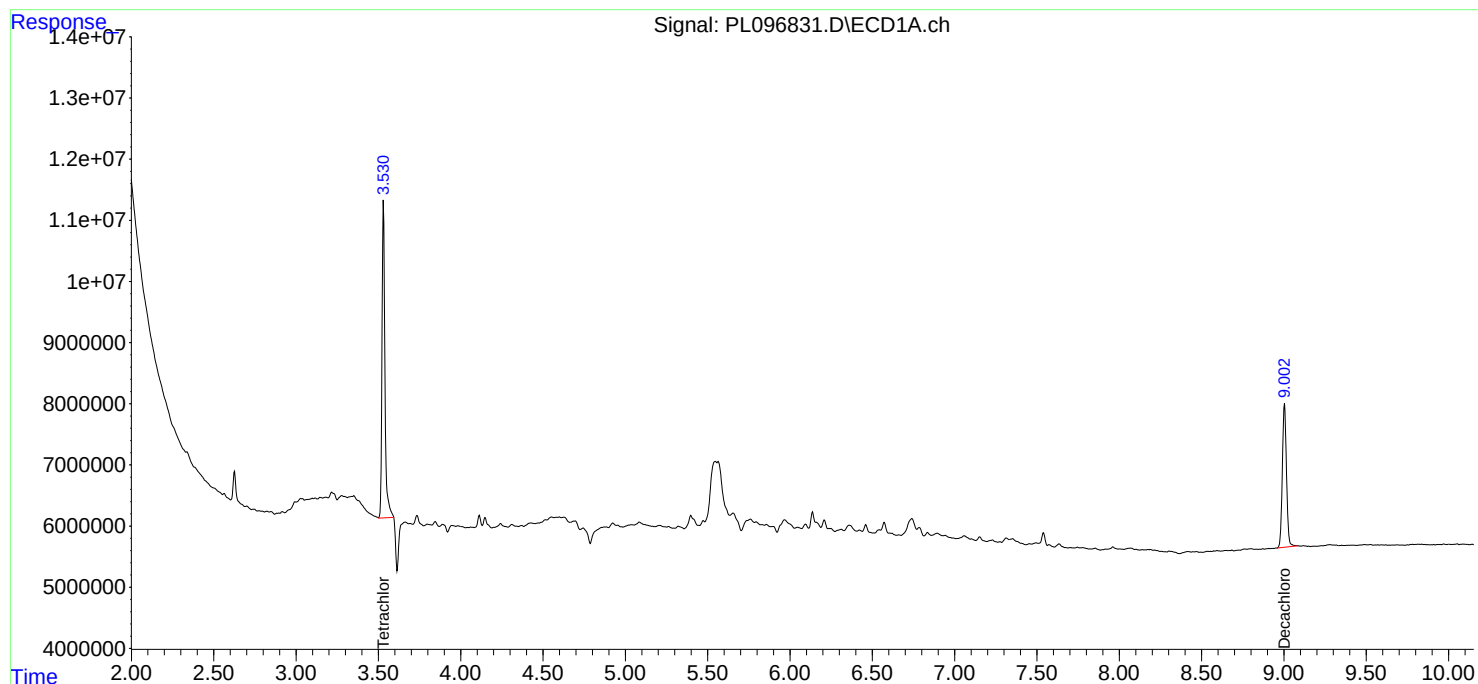
Instrument :
ECD_L
ClientSampleId :
TW-84SB-E

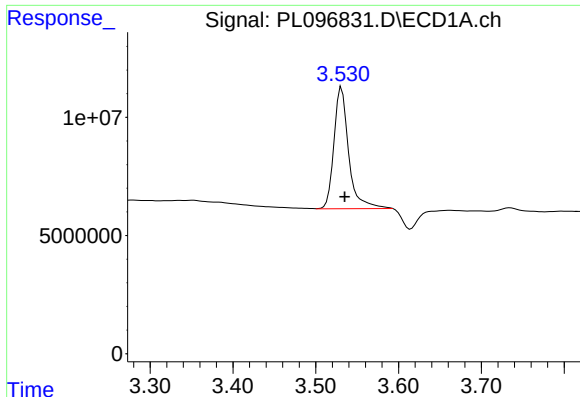
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:56:04 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





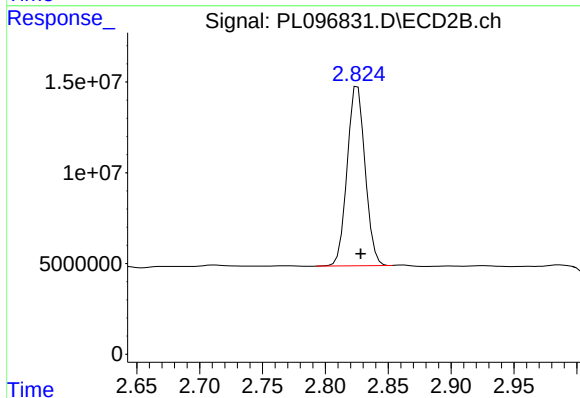
#1 Tetrachloro-m-xylene

R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 63737815
Conc: 20.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
TW-84SB-E

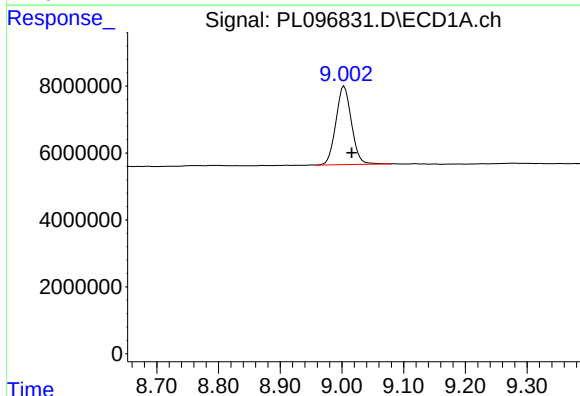
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



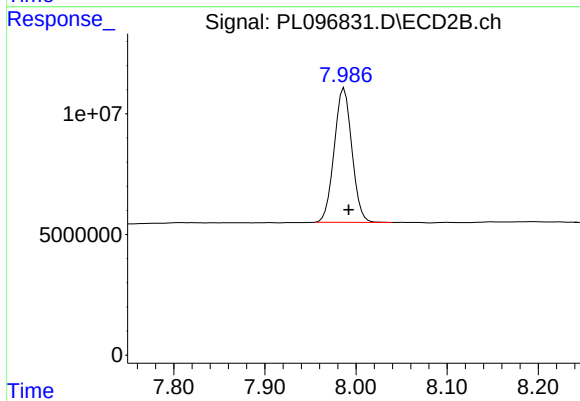
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 98184634
Conc: 20.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.002 min
Delta R.T.: -0.013 min
Response: 41146477
Conc: 17.25 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 74905790
Conc: 17.27 ng/ml

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-03	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	990	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
PL096832.D	1	08/12/25 10:20	08/15/25 19:13	PB169225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.010	U	0.0039	0.010	0.051	ug/L
319-85-7	beta-BHC	0.010	U	0.0049	0.010	0.051	ug/L
319-86-8	delta-BHC	0.025	U	0.011	0.025	0.051	ug/L
58-89-9	gamma-BHC (Lindane)	0.010	U	0.0037	0.010	0.051	ug/L
76-44-8	Heptachlor	0.010	U	0.0027	0.010	0.051	ug/L
309-00-2	Aldrin	0.010	U	0.0036	0.010	0.051	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0097	0.025	0.051	ug/L
959-98-8	Endosulfan I	0.010	U	0.0031	0.010	0.051	ug/L
60-57-1	Dieldrin	0.010	U	0.0036	0.010	0.051	ug/L
72-55-9	4,4-DDE	0.010	U	0.0037	0.010	0.051	ug/L
72-20-8	Endrin	0.010	U	0.0032	0.010	0.051	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0080	0.025	0.051	ug/L
72-54-8	4,4-DDD	0.025	U	0.0072	0.025	0.051	ug/L
1031-07-8	Endosulfan Sulfate	0.010	U	0.0037	0.010	0.051	ug/L
50-29-3	4,4-DDT	0.010	U	0.0035	0.010	0.051	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.051	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0094	0.025	0.051	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.011	0.025	0.051	ug/L
5103-71-9	alpha-Chlordane	0.93		0.0035	0.010	0.051	ug/L
5103-74-2	gamma-Chlordane	0.72		0.0039	0.010	0.051	ug/L
8001-35-2	Toxaphene	0.51	U	0.17	0.51	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	14.1		30 - 135		70%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.2		44 - 124		91%	SPK: 20

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-03	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	990	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
PL096832.D	1	08/12/25 10:20	08/15/25 19:13	PB169225

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\PL081625\
 Data File : PL096832.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 19:13
 Operator : AR\AJ
 Sample : Q2814-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TW-17M-W

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
 Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 05:56:09 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	2.825	54116551	86984432	17.014m	18.206
28)	SA Decachlor...	9.002	7.986	32176302	60991593	13.493m	14.059
Target Compounds							
10)	B gamma-Chl...	5.910	5.047	272.4E6	306.6E6	71.574	52.136 #
11)	B alpha-Chl...	5.990	5.111	355.1E6	454.8E6	92.130	77.093

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096832.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 19:13
Operator : AR\AJ
Sample : Q2814-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

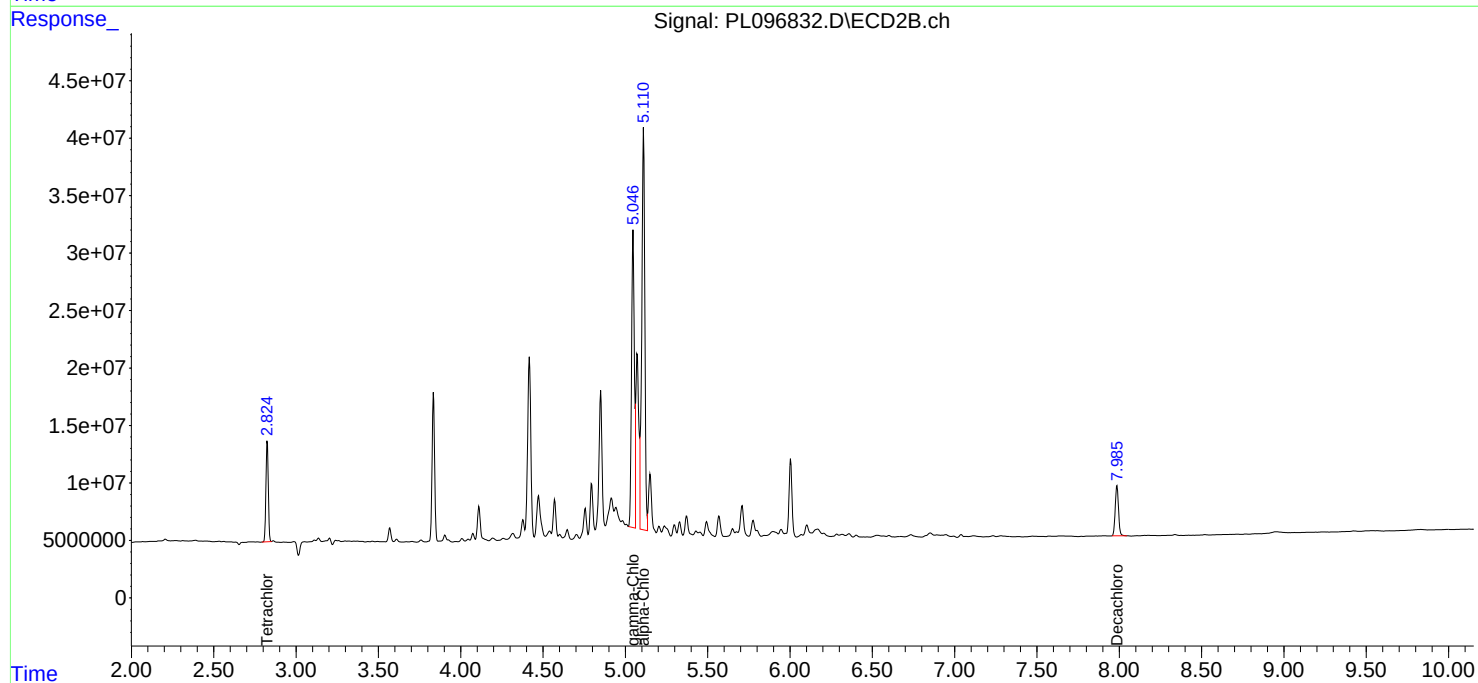
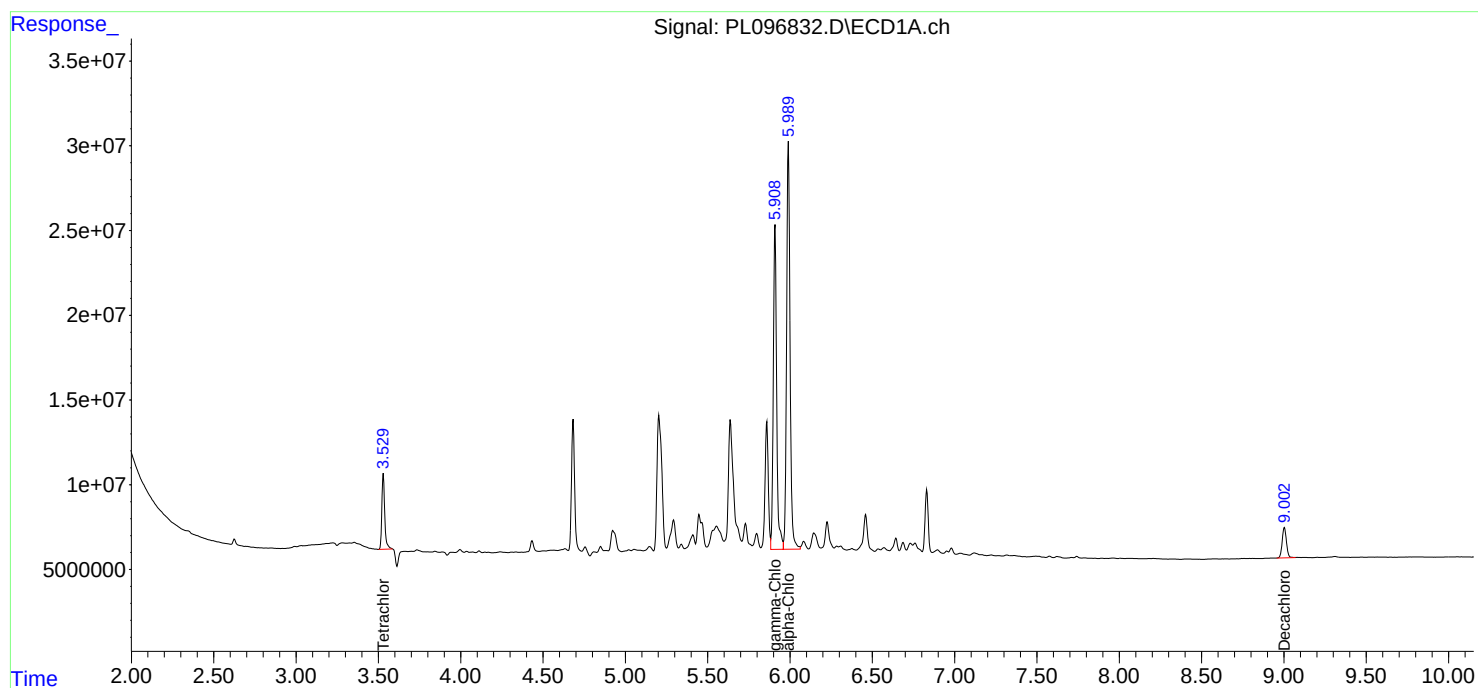
Instrument :
ECD_L
ClientSampleId :
TW-17M-W

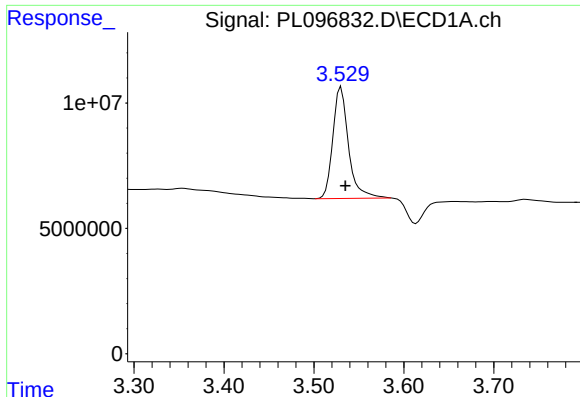
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:56:09 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





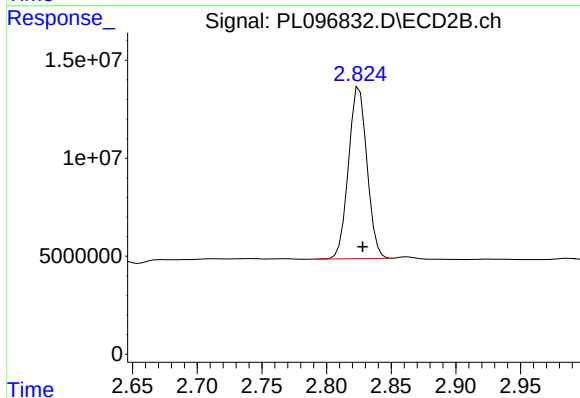
#1 Tetrachloro-m-xylene

R.T.: 3.529 min
Delta R.T.: -0.006 min
Response: 54116551
Conc: 17.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
TW-17M-W

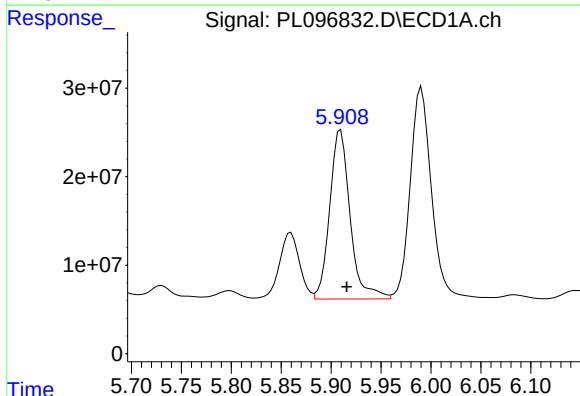
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



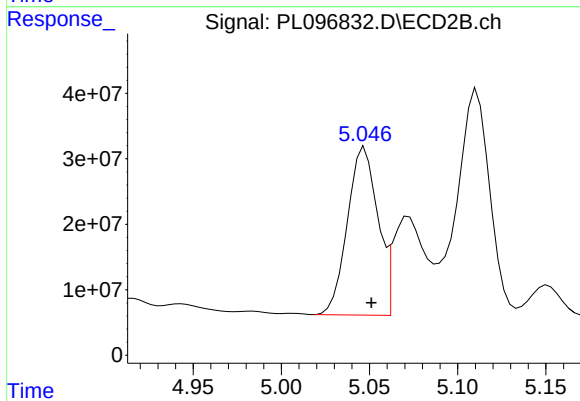
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 86984432
Conc: 18.21 ng/ml



#10 gamma-Chlordane

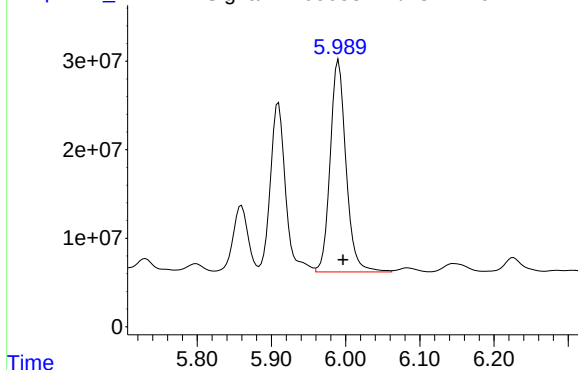
R.T.: 5.910 min
Delta R.T.: -0.006 min
Response: 272357572
Conc: 71.57 ng/ml



#10 gamma-Chlordane

R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 306563690
Conc: 52.14 ng/ml

Response_ Signal: PL096832.D\ECD1A.ch



#11 alpha-Chlordane

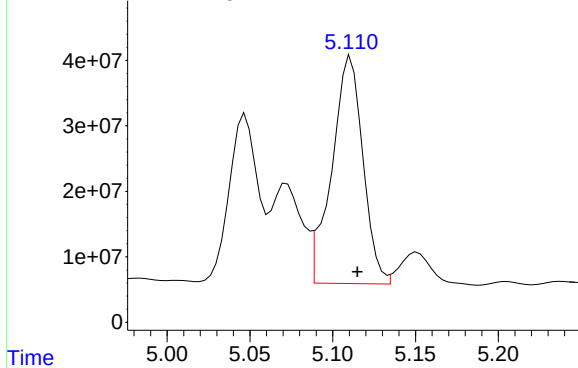
R.T.: 5.990 min
Delta R.T.: -0.006 min
Response: 355129232
Conc: 92.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
TW-17M-W

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025

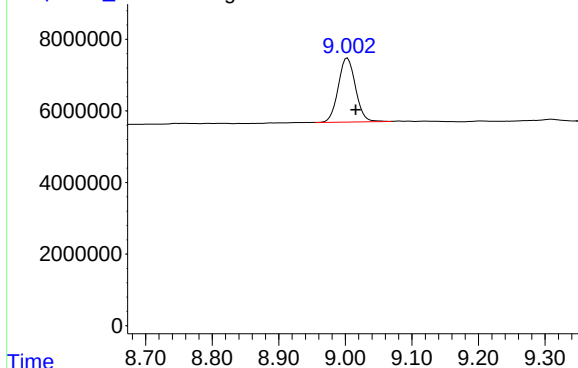
Time Response_ Signal: PL096832.D\ECD2B.ch



#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 454763799
Conc: 77.09 ng/ml

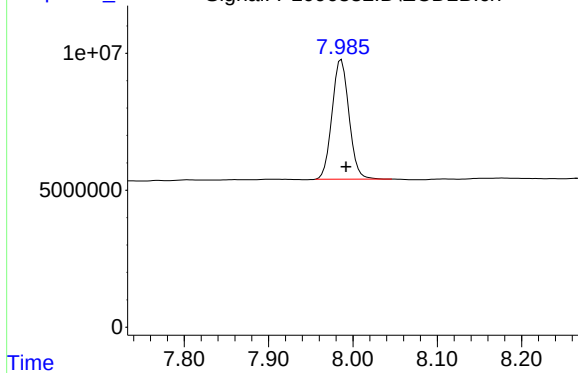
Time Response_ Signal: PL096832.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.002 min
Delta R.T.: -0.014 min
Response: 32176302
Conc: 13.49 ng/ml m

Time Response_ Signal: PL096832.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 60991593
Conc: 14.06 ng/ml

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	FB	SDG No.:	Q2814
Lab Sample ID:	Q2814-16	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	500	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	5000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096833.D	1	08/12/25 10:20	08/15/25 19:26	PB169225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.010	U	0.0039	0.010	0.050	ug/L
319-85-7	beta-BHC	0.010	U	0.0049	0.010	0.050	ug/L
319-86-8	delta-BHC	0.025	U	0.011	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.010	U	0.0037	0.010	0.050	ug/L
76-44-8	Heptachlor	0.010	U	0.0027	0.010	0.050	ug/L
309-00-2	Aldrin	0.010	U	0.0036	0.010	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0096	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.010	U	0.0031	0.010	0.050	ug/L
60-57-1	Dieldrin	0.010	U	0.0036	0.010	0.050	ug/L
72-55-9	4,4-DDE	0.010	U	0.0037	0.010	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0032	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0079	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.025	U	0.0071	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.010	U	0.0037	0.010	0.050	ug/L
50-29-3	4,4-DDT	0.010	U	0.0035	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0093	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.011	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.010	U	0.0035	0.010	0.050	ug/L
5103-74-2	gamma-Chlordane	0.010	U	0.0039	0.010	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.17	0.50	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	13.6		30 - 135		68%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		44 - 124		93%	SPK: 20

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	FB	SDG No.:	Q2814
Lab Sample ID:	Q2814-16	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	500	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
PL096833.D	1	08/12/25 10:20	08/15/25 19:26	PB169225

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\PL081625\
Data File : PL096833.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 19:26
Operator : AR\AJ
Sample : Q2814-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
FB

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:56:17 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	58059403	88648785	18.253	18.554
28) SA Decachlor...	9.003	7.986	30320716	58958710	12.715m	13.590

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096833.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 19:26
Operator : AR\AJ
Sample : Q2814-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

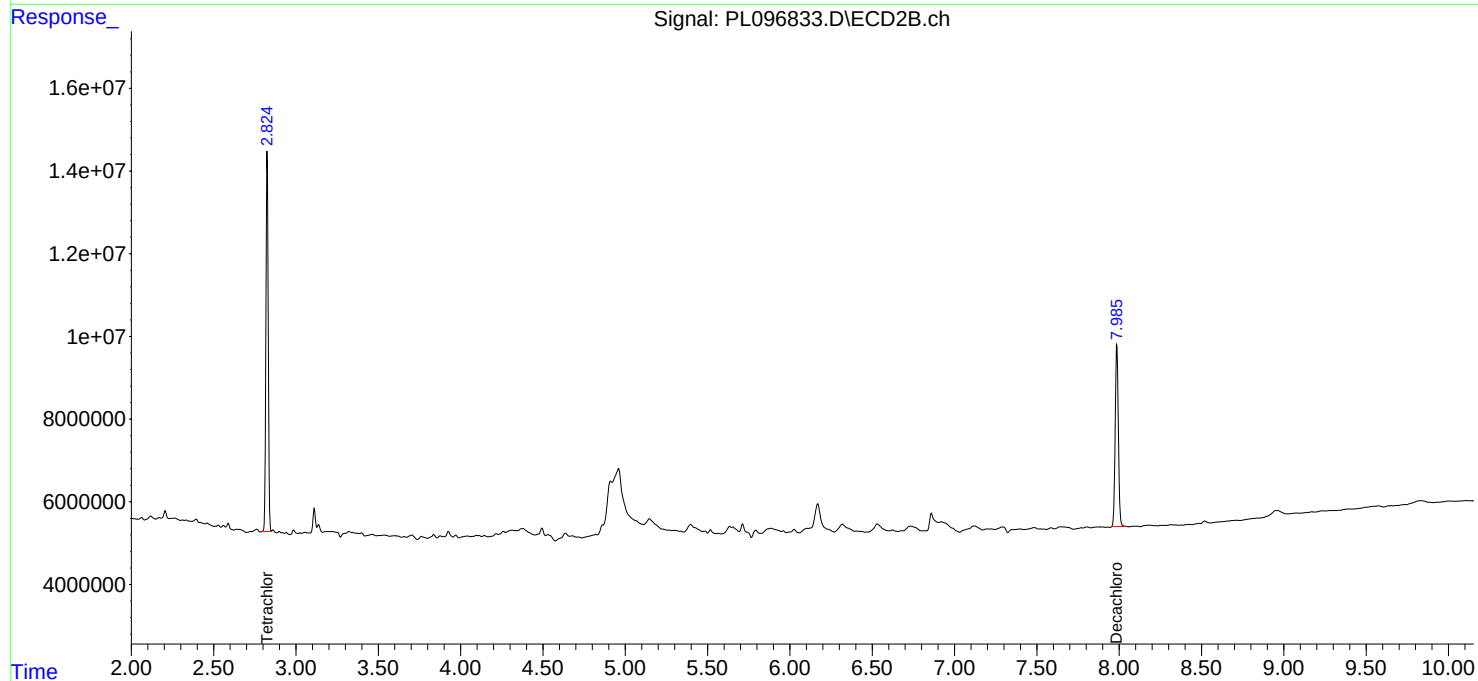
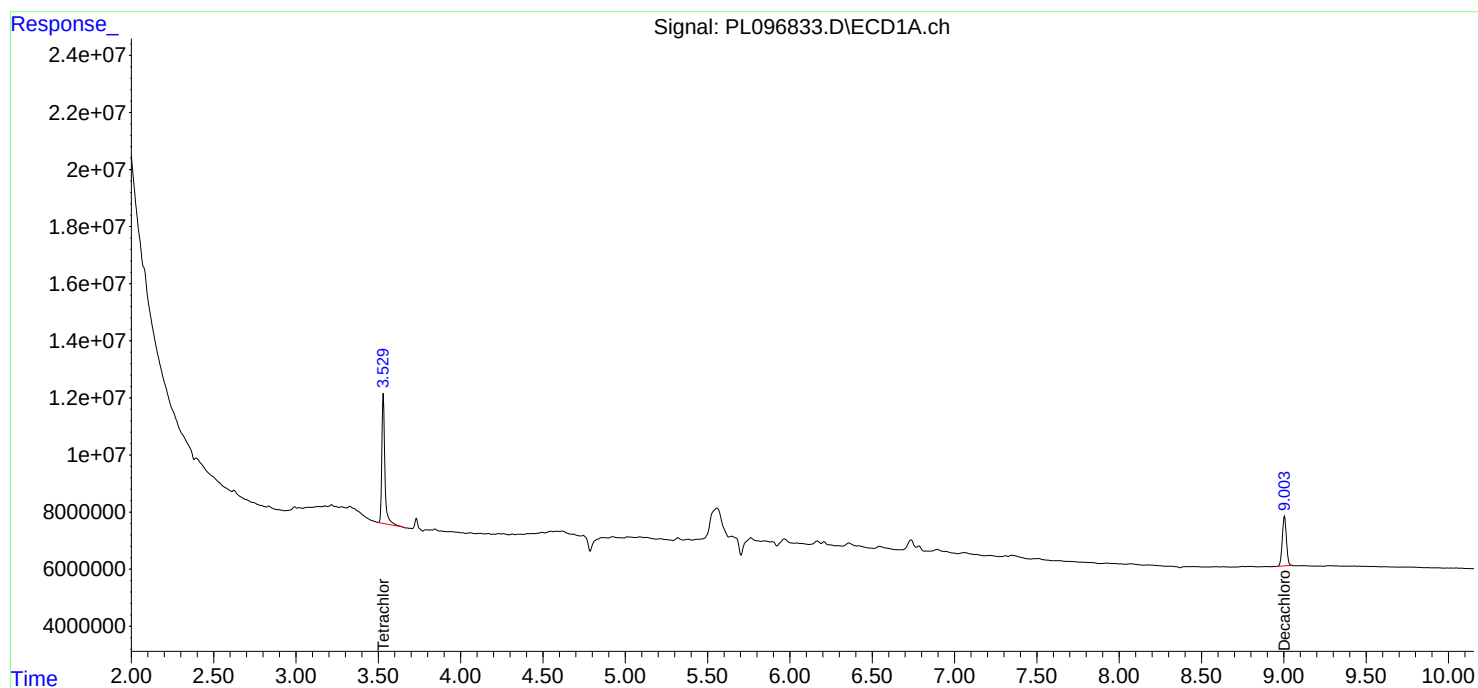
Instrument :
ECD_L
ClientSampleId :
FB

Manual Integrations
APPROVED

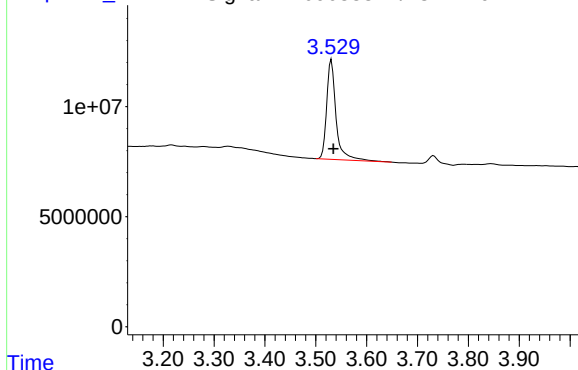
Reviewed By : Abdul Mirza 08/18/2025
Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:56:17 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: PL096833.D\ECD1A.ch



#1 Tetrachloro-m-xylene

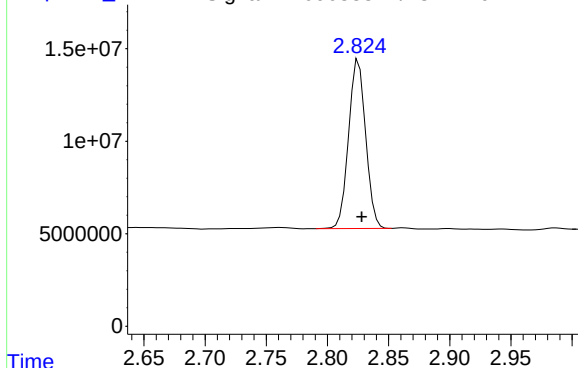
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 58059403
Conc: 18.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
FB

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025

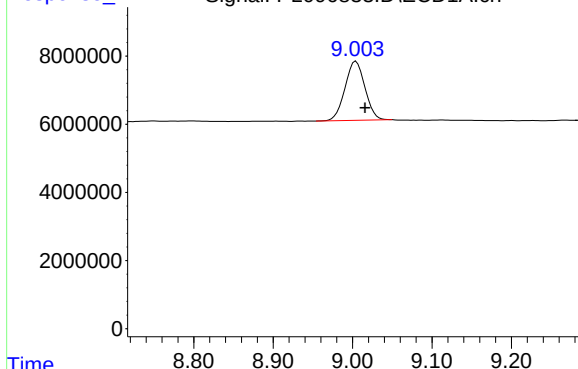
Time Response_ Signal: PL096833.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 88648785
Conc: 18.55 ng/ml

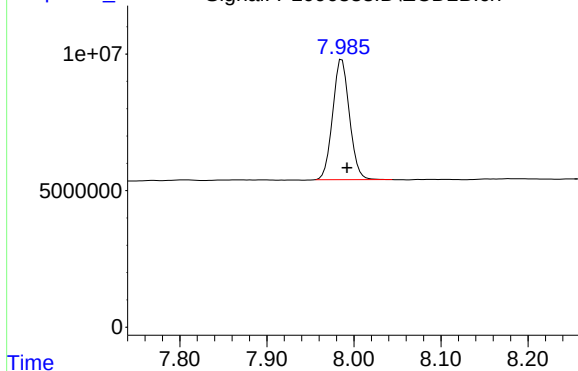
Time Response_ Signal: PL096833.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.003 min
Delta R.T.: -0.013 min
Response: 30320716
Conc: 12.71 ng/ml m

Time Response_ Signal: PL096833.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 58958710
Conc: 13.59 ng/ml

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-17	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	990	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
PL096834.D	1	08/12/25 10:20	08/15/25 19:40	PB169225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.010	U	0.0039	0.010	0.051	ug/L
319-85-7	beta-BHC	0.010	U	0.0049	0.010	0.051	ug/L
319-86-8	delta-BHC	0.025	U	0.011	0.025	0.051	ug/L
58-89-9	gamma-BHC (Lindane)	0.010	U	0.0037	0.010	0.051	ug/L
76-44-8	Heptachlor	0.010	U	0.0027	0.010	0.051	ug/L
309-00-2	Aldrin	0.010	U	0.0036	0.010	0.051	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0097	0.025	0.051	ug/L
959-98-8	Endosulfan I	0.010	U	0.0031	0.010	0.051	ug/L
60-57-1	Dieldrin	0.0061	J	0.0036	0.010	0.051	ug/L
72-55-9	4,4-DDE	0.016	J	0.0037	0.010	0.051	ug/L
72-20-8	Endrin	0.0051	J	0.0032	0.010	0.051	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0080	0.025	0.051	ug/L
72-54-8	4,4-DDD	0.013	J	0.0072	0.025	0.051	ug/L
1031-07-8	Endosulfan Sulfate	0.010	U	0.0037	0.010	0.051	ug/L
50-29-3	4,4-DDT	0.010	U	0.0035	0.010	0.051	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.051	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0094	0.025	0.051	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.011	0.025	0.051	ug/L
5103-71-9	alpha-Chlordane	0.010	U	0.0035	0.010	0.051	ug/L
5103-74-2	gamma-Chlordane	0.010	U	0.0039	0.010	0.051	ug/L
8001-35-2	Toxaphene	0.51	U	0.17	0.51	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	10.2		30 - 135		51%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.5		44 - 124		68%	SPK: 20

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-17	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	990	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
PL096834.D	1	08/12/25 10:20	08/15/25 19:40	PB169225

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\PL081625\
 Data File : PL096834.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 19:40
 Operator : AR\AJ
 Sample : Q2814-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TW-518R-S

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/18/2025
 Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 05:56:24 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	40635893	64714060	12.775	13.545
28) SA Decachlor...	9.004	7.985	24219603	43946092	10.156m	10.130m
Target Compounds						
12) B 4,4'-DDE	6.158	5.299	5007157	7847233	1.559m	1.423m
13) MA Dieldrin	6.315	5.430	2215749	3401046	0.597m	0.576m
14) MA Endrin	6.536	5.713	1324581	2680602	0.438m	0.496m
16) A 4,4'-DDD	6.668	5.852	2897396	5872211	1.146m	1.248

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096834.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 19:40
Operator : AR\AJ
Sample : Q2814-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

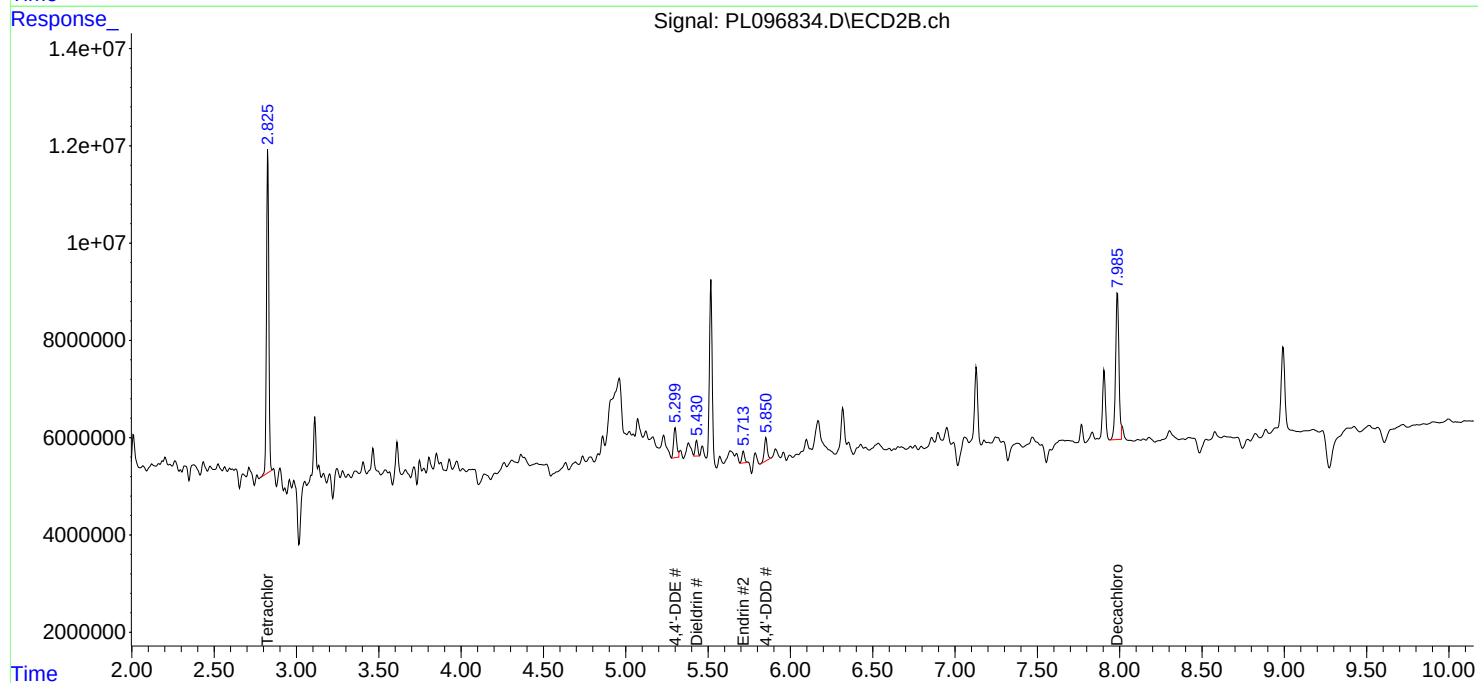
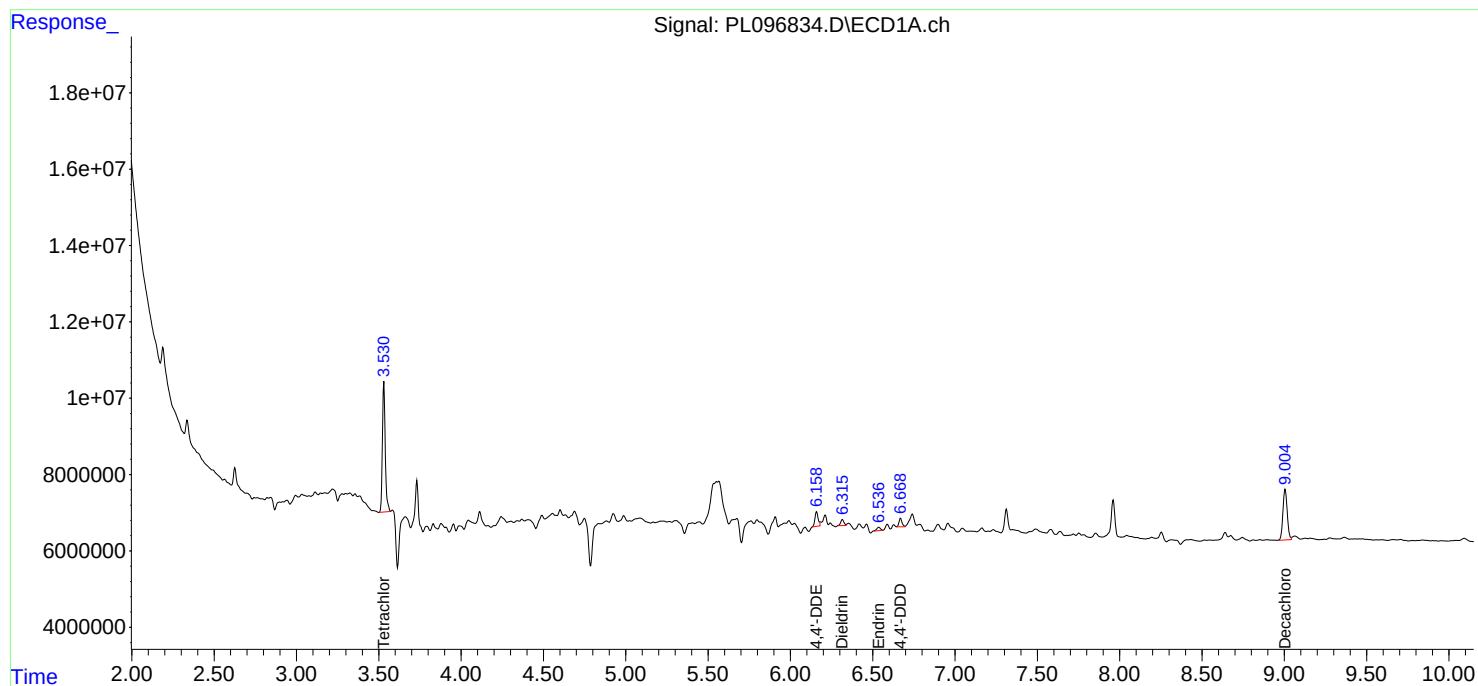
Instrument :
ECD_L
ClientSampleId :
TW-518R-S

Manual Integrations
APPROVED

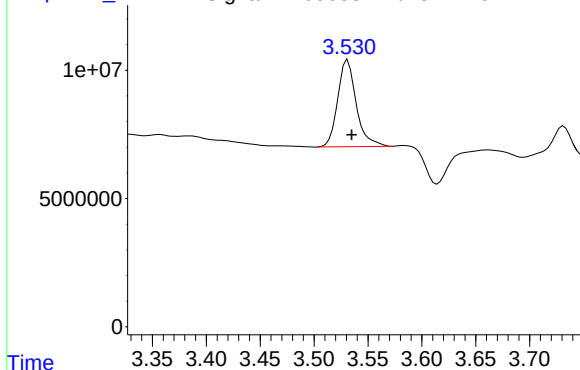
Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:56:24 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: PL096834.D\ECD1A.ch



#1 Tetrachloro-m-xylene

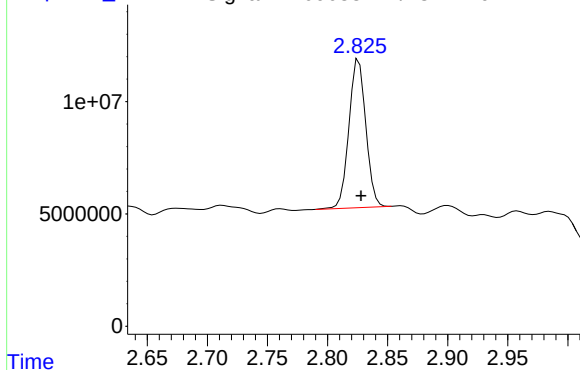
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 40635893
Conc: 12.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
TW-518R-S

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025

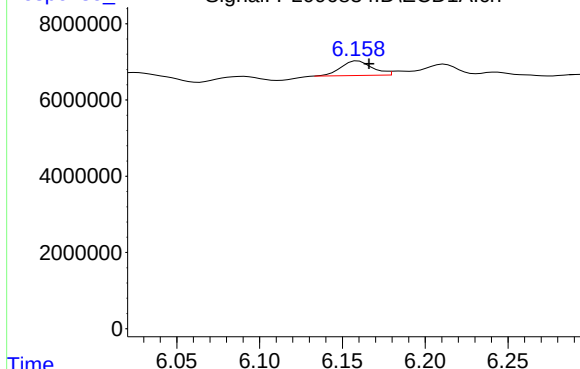
Response_ Signal: PL096834.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 64714060
Conc: 13.54 ng/ml

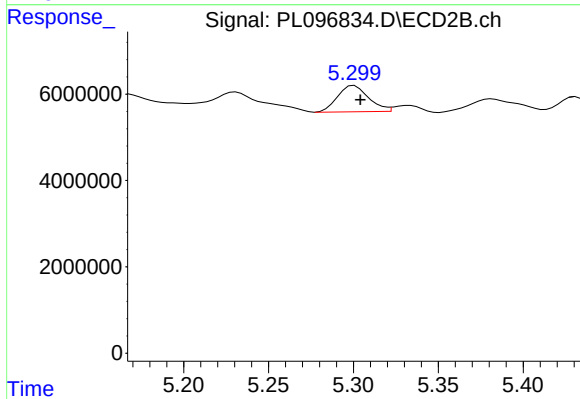
Response_ Signal: PL096834.D\ECD1A.ch



#12 4,4'-DDE

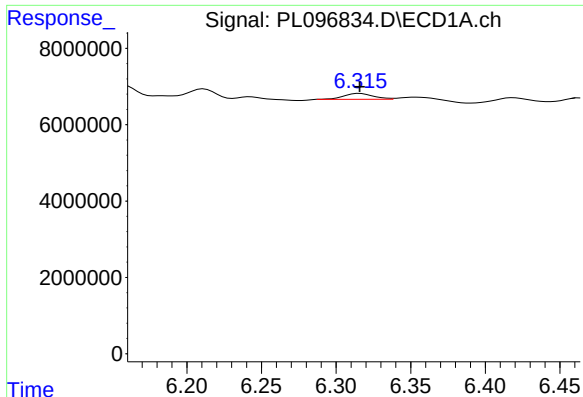
R.T.: 6.158 min
Delta R.T.: -0.008 min
Response: 5007157
Conc: 1.56 ng/ml m

Response_ Signal: PL096834.D\ECD2B.ch



#12 4,4'-DDE

R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 7847233
Conc: 1.42 ng/ml m



#13 Dieldrin

R.T.: 6.315 min
Delta R.T.: -0.001 min
Response: 2215749
Conc: 0.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
TW-518R-S

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025

#13 Dieldrin

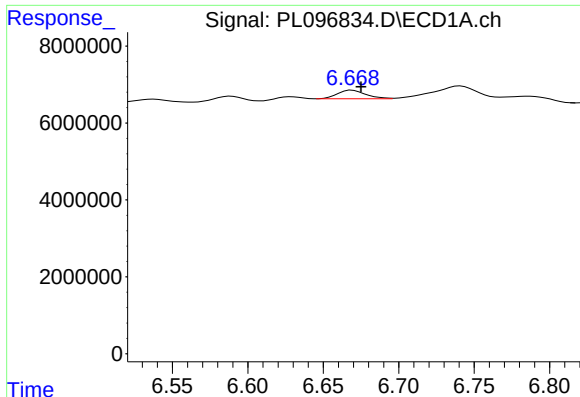
R.T.: 5.430 min
Delta R.T.: -0.004 min
Response: 3401046
Conc: 0.58 ng/ml m

#14 Endrin

R.T.: 6.536 min
Delta R.T.: -0.007 min
Response: 1324581
Conc: 0.44 ng/ml m

#14 Endrin

R.T.: 5.713 min
Delta R.T.: 0.004 min
Response: 2680602
Conc: 0.50 ng/ml m



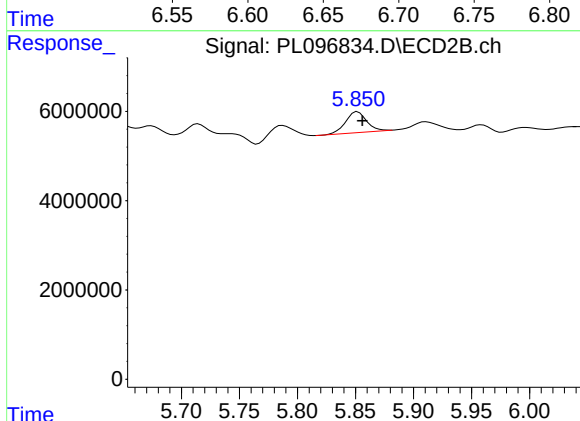
#16 4,4'-DDD

R.T.: 6.668 min
Delta R.T.: -0.007 min
Response: 2897396
Conc: 1.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
TW-518R-S

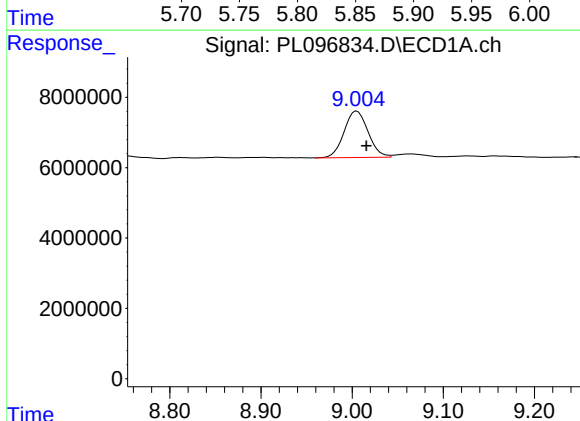
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



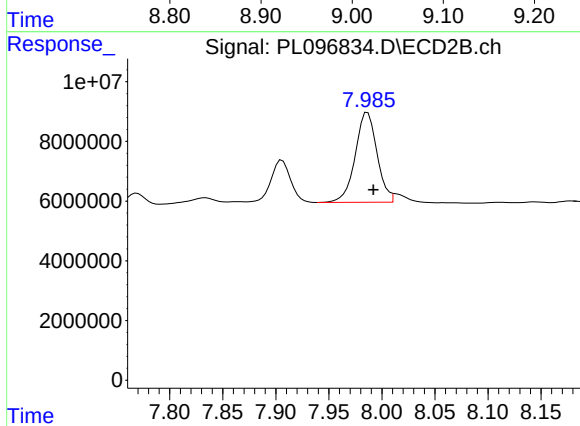
#16 4,4'-DDD

R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 5872211
Conc: 1.25 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.012 min
Response: 24219603
Conc: 10.16 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.985 min
Delta R.T.: -0.007 min
Response: 43946092
Conc: 10.13 ng/ml m



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2814</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

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: FIRS02
SDG NO.: Q2814

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: FIRS02
SDG NO.: Q2814

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:** FIRS02
Lab Code: ACE **SDG NO.:** Q2814
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



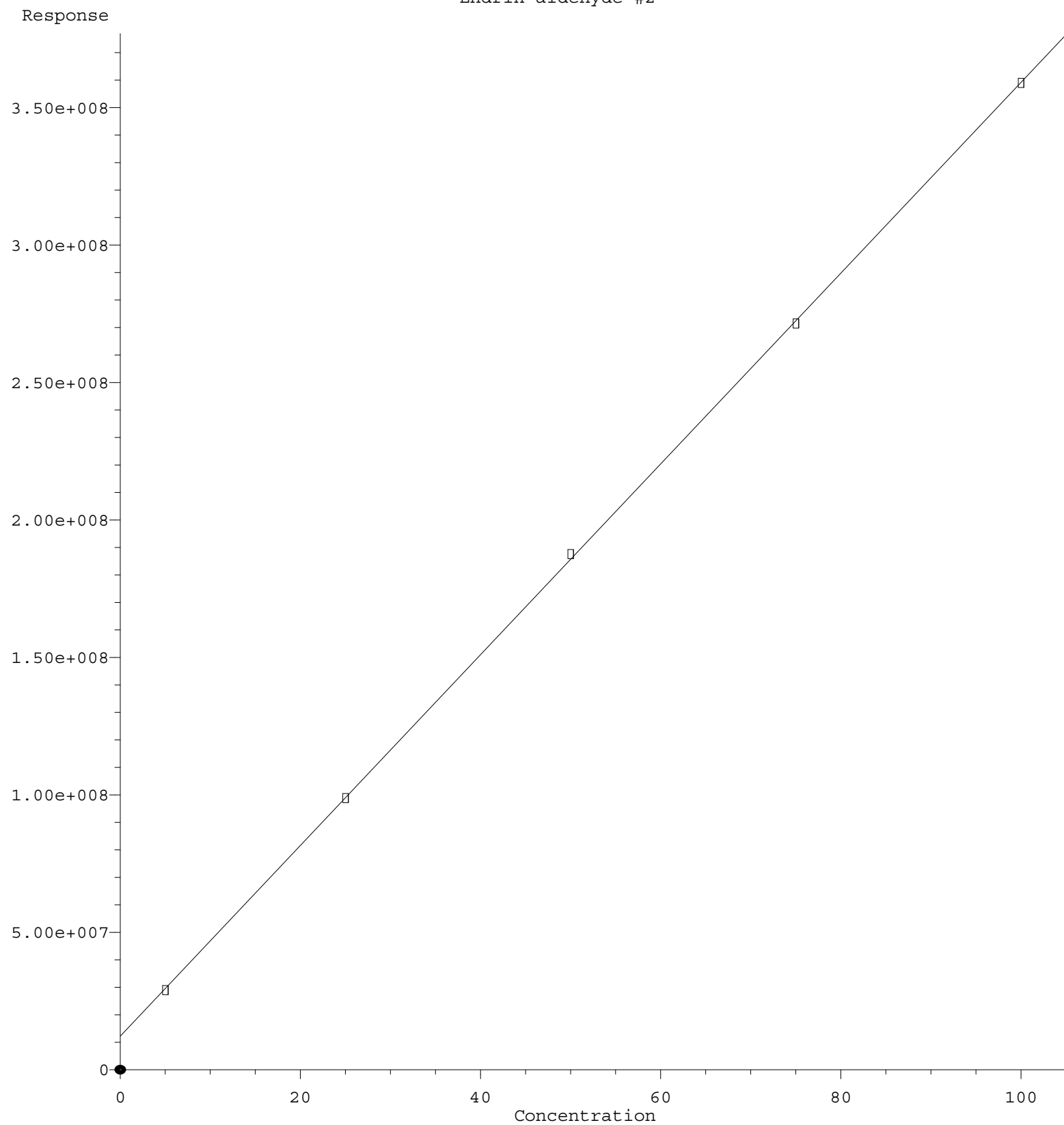
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** FIRS02
Lab Code: ACE **SDG NO.:** Q2814
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

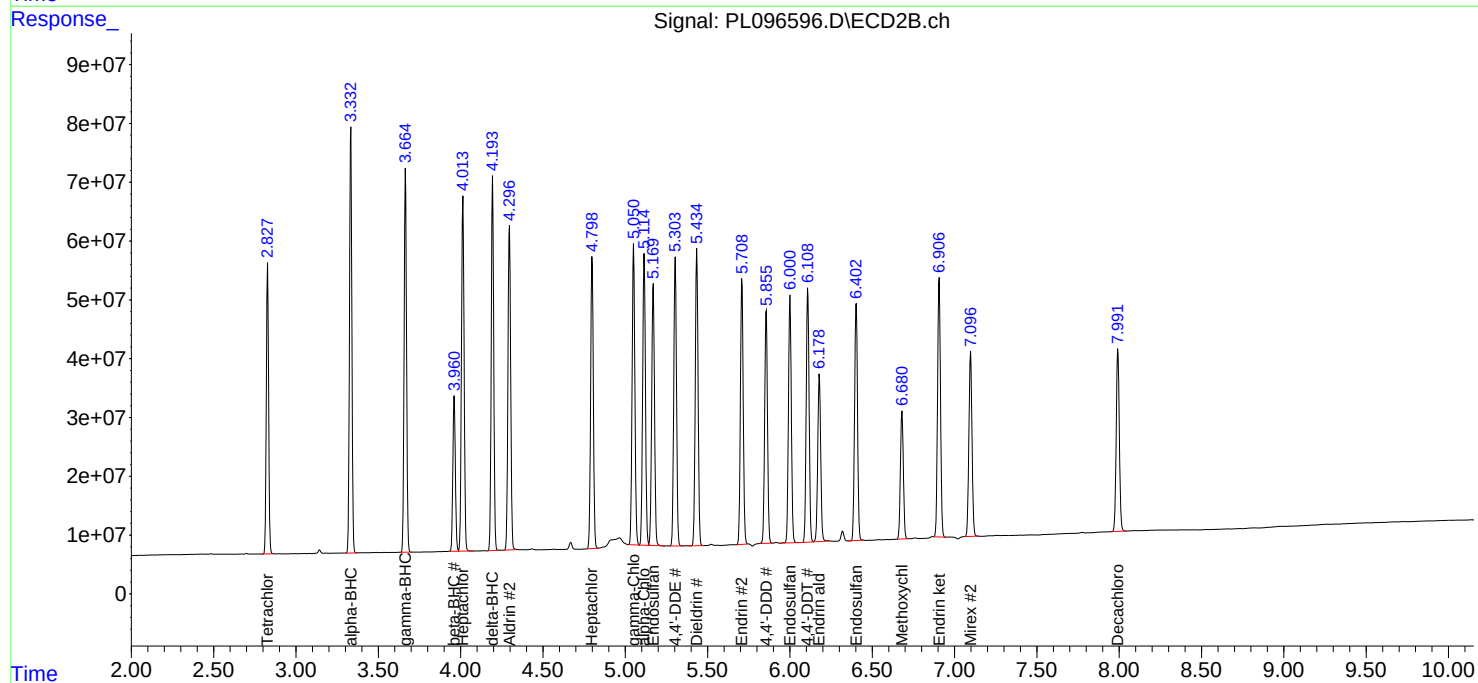
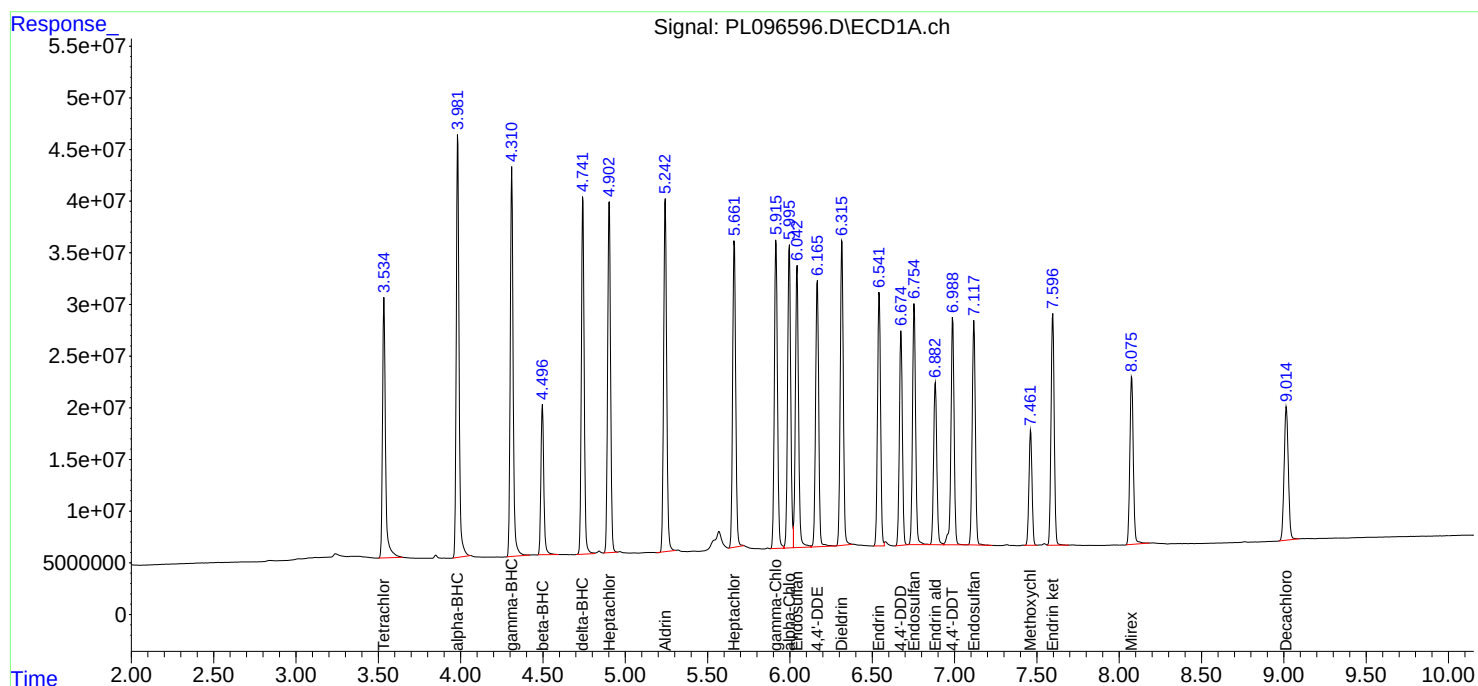
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

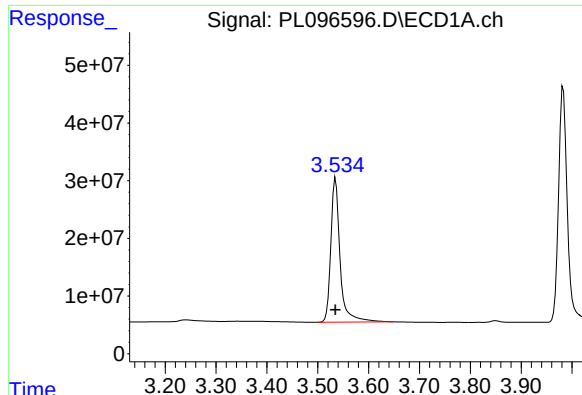
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:52
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

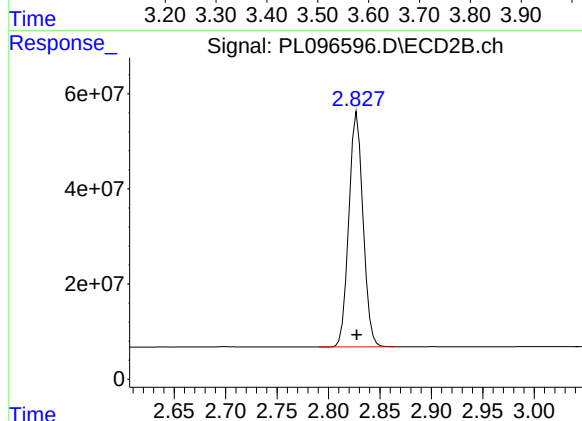




#1 Tetrachloro-m-xylene

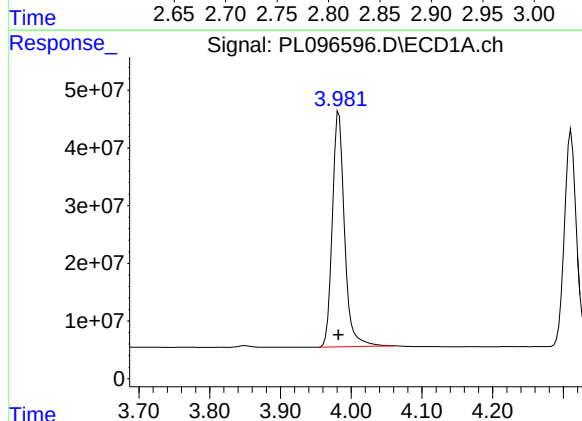
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 317649612
Conc: 101.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



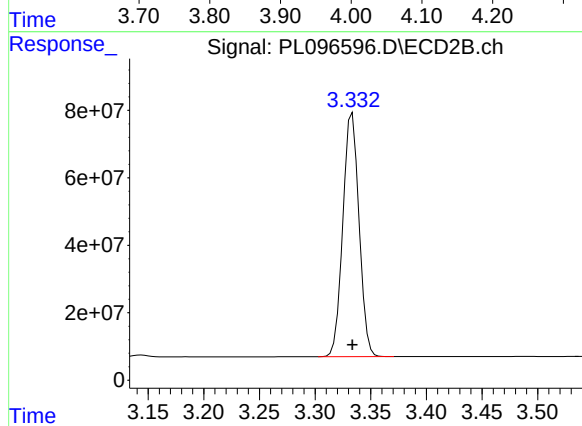
#1 Tetrachloro-m-xylene

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

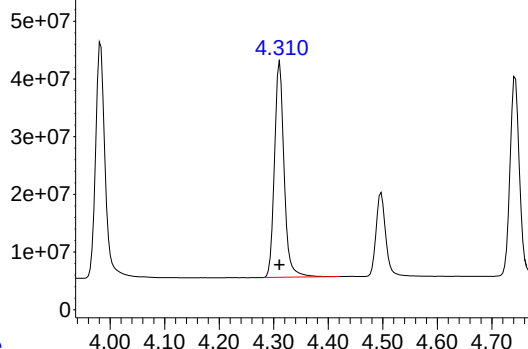
R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 730880517
Conc: 102.40 ng/ml

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

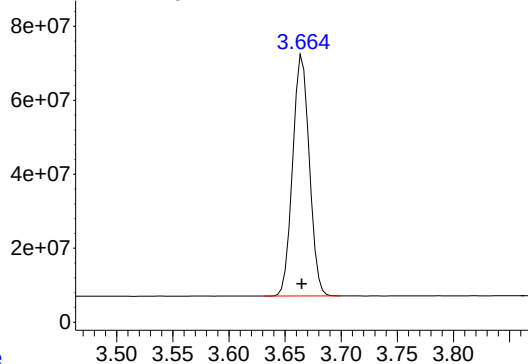
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PL096596.D\ECD2B.ch

#3 gamma-BHC (Lindane)



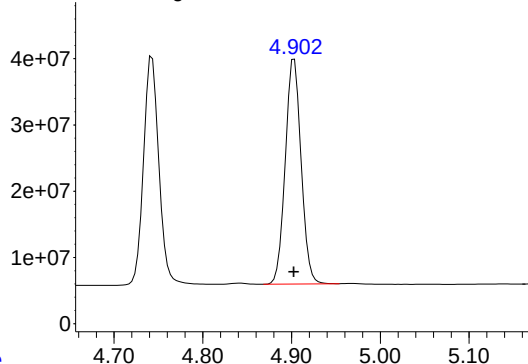
R.T.: 3.665 min
Delta R.T.: 0.000 min
Response: 673002560
Conc: 101.44 ng/ml

Time

Response_

Signal: PL096596.D\ECD1A.ch

#4 Heptachlor



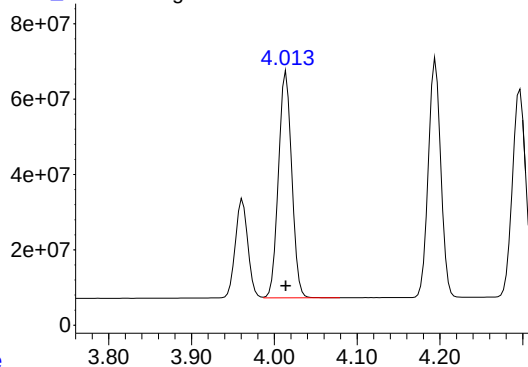
R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 421533951
Conc: 102.08 ng/ml

Time

Response_

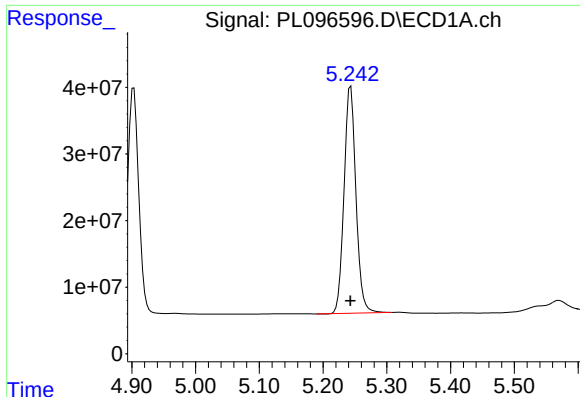
Signal: PL096596.D\ECD2B.ch

#4 Heptachlor



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

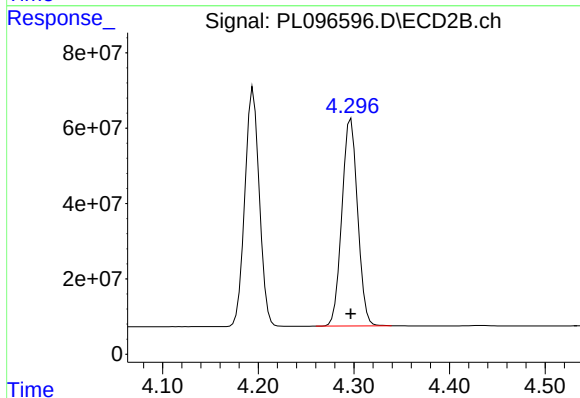
Time



#5 Aldrin

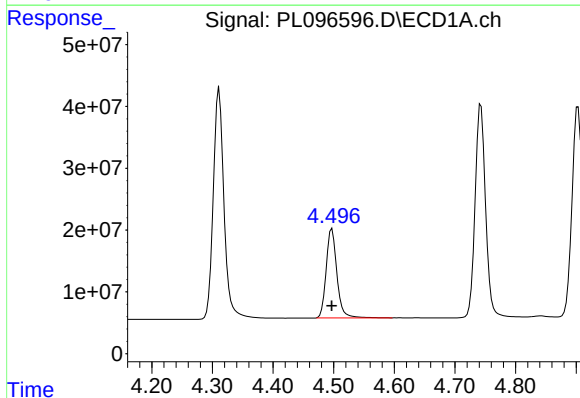
R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 441807820
Conc: 103.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



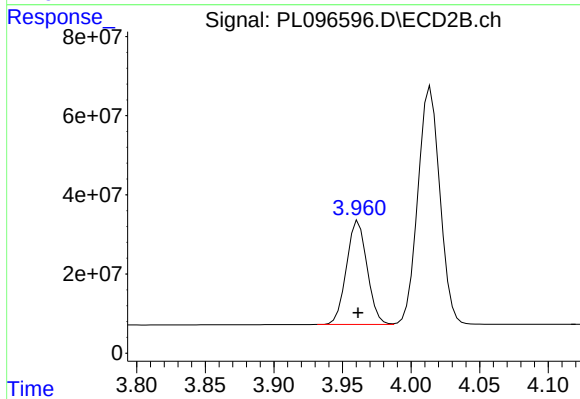
#5 Aldrin

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



#6 beta-BHC

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



#6 beta-BHC

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

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

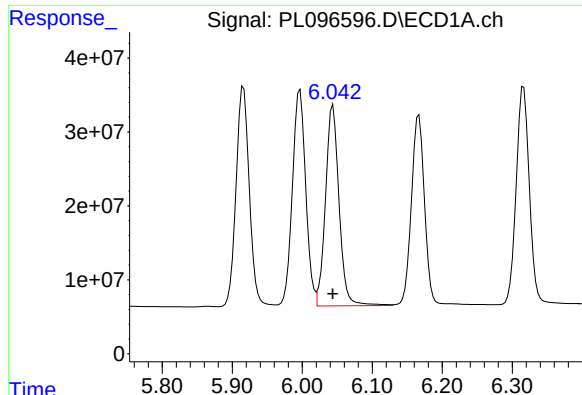
Time

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

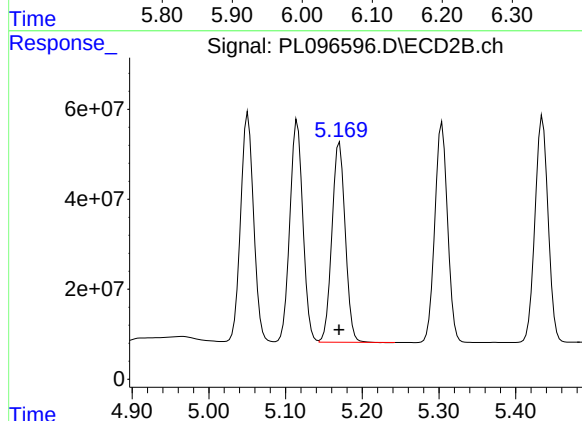
Time



#9 Endosulfan I

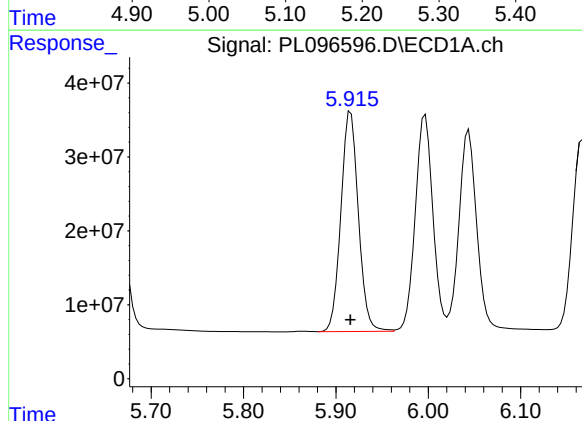
R.T.: 6.044 min
Delta R.T.: 0.000 min
Response: 366849911
Conc: 103.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



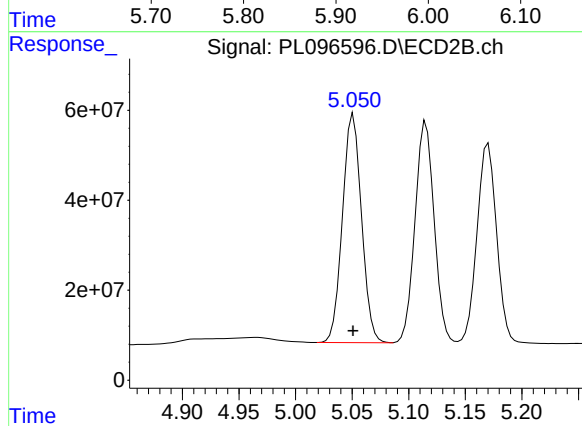
#9 Endosulfan I

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



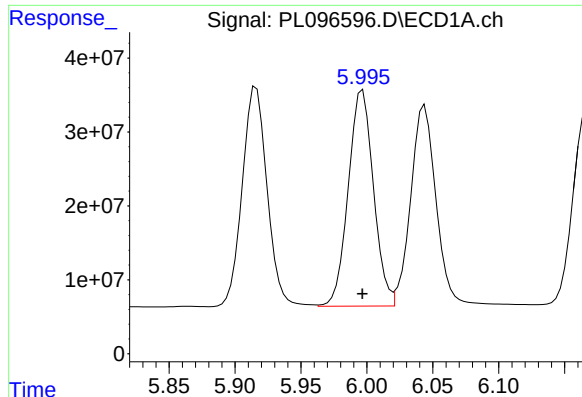
#10 gamma-Chlordane

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



#10 gamma-Chlordane

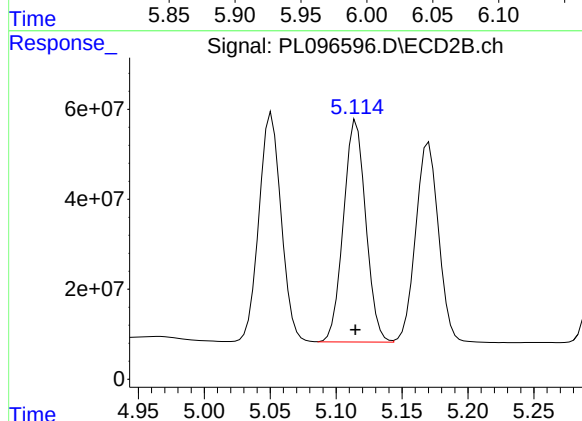
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 595865751
Conc: 101.02 ng/ml



#11 alpha-Chlordane

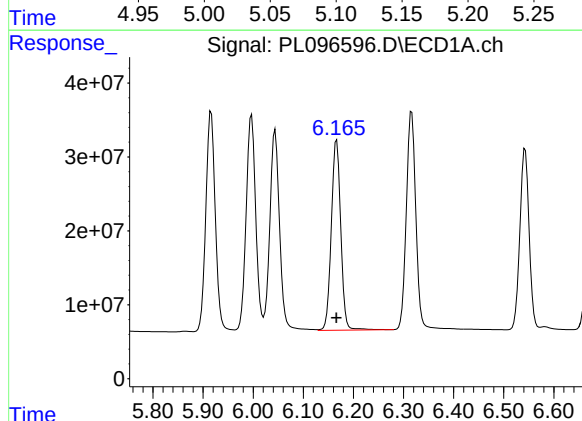
R.T.: 5.997 min
Delta R.T.: 0.000 min
Response: 388351267
Conc: 102.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



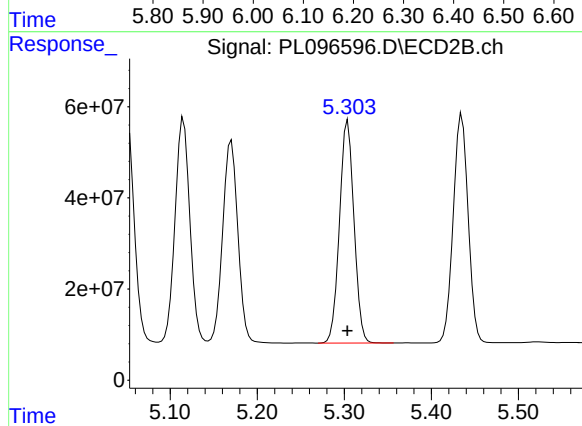
#11 alpha-Chlordane

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



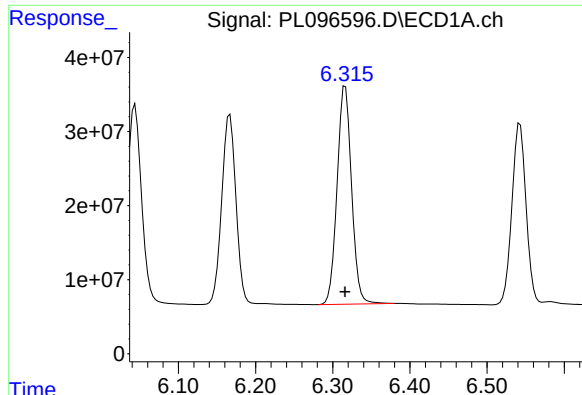
#12 4,4'-DDE

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



#12 4,4'-DDE

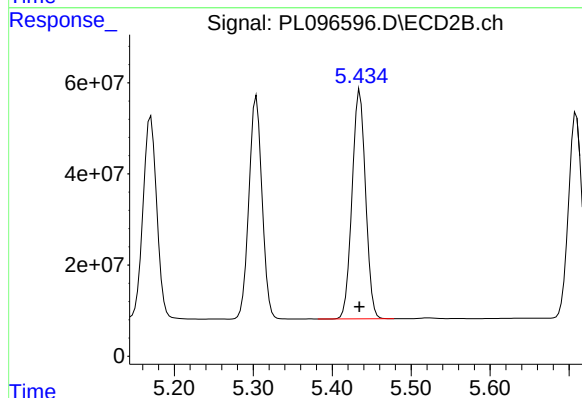
R.T.: 5.304 min
Delta R.T.: 0.000 min
Response: 565343423
Conc: 102.04 ng/ml



#13 Dieldrin

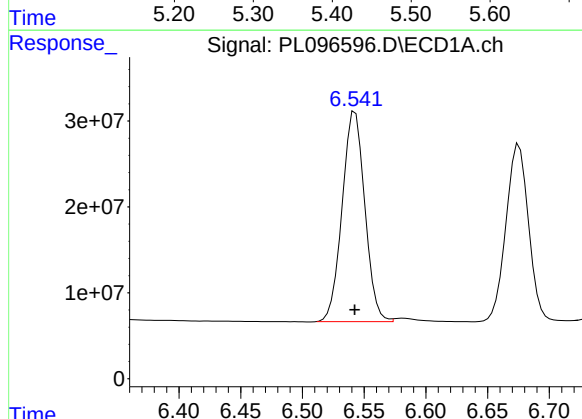
R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 384947334
Conc: 103.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



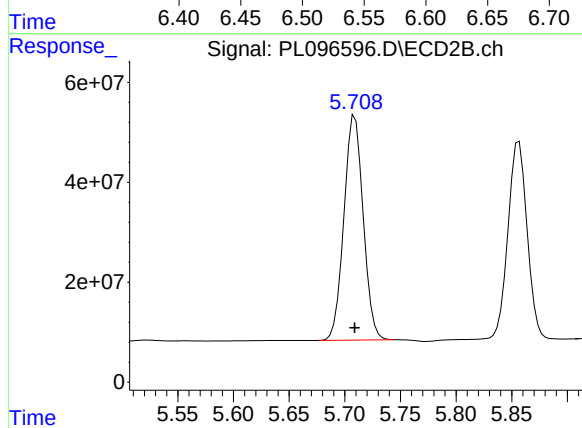
#13 Dieldrin

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



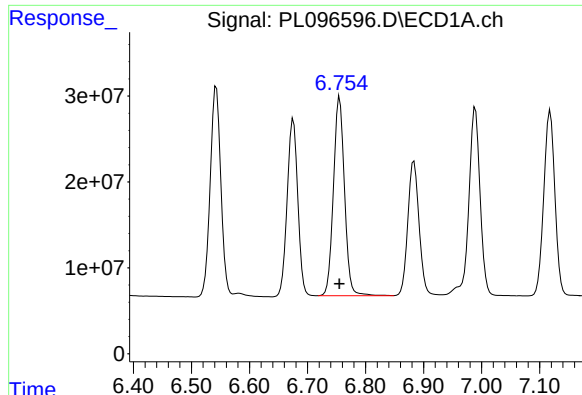
#14 Endrin

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



#14 Endrin

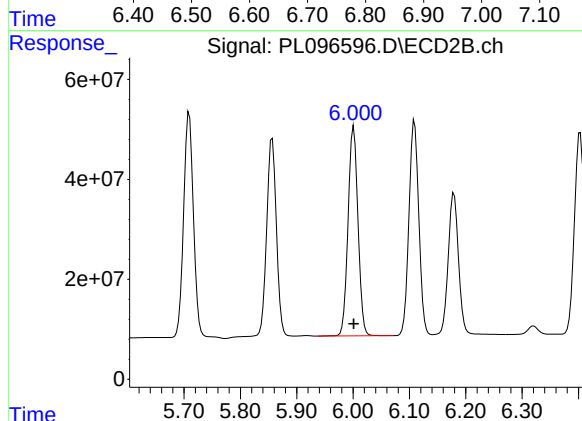
R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 541542527
Conc: 100.73 ng/ml



#15 Endosulfan II

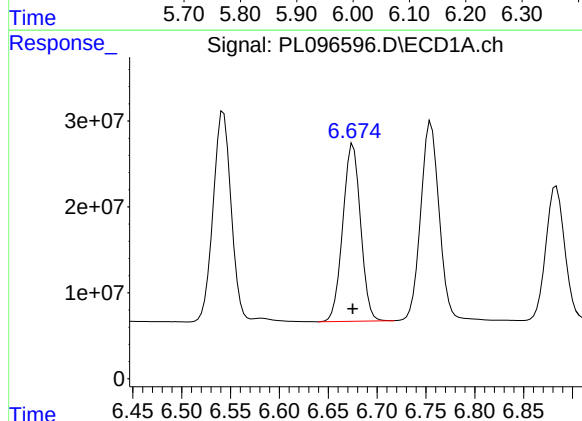
R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 306942268
Conc: 100.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



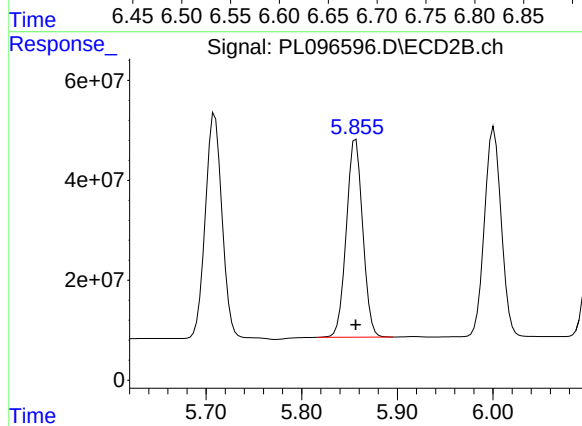
#15 Endosulfan II

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



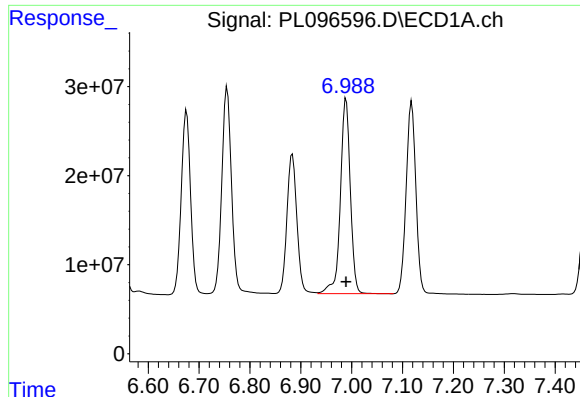
#16 4,4'-DDD

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



#16 4,4'-DDD

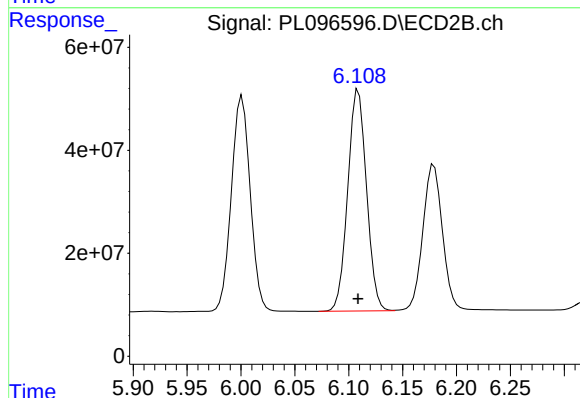
R.T.: 5.857 min
Delta R.T.: 0.000 min
Response: 473976803
Conc: 100.99 ng/ml



#17 4,4'-DDT

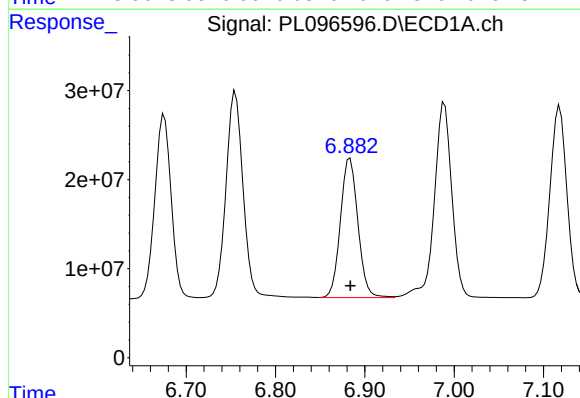
R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 298004870
Conc: 103.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



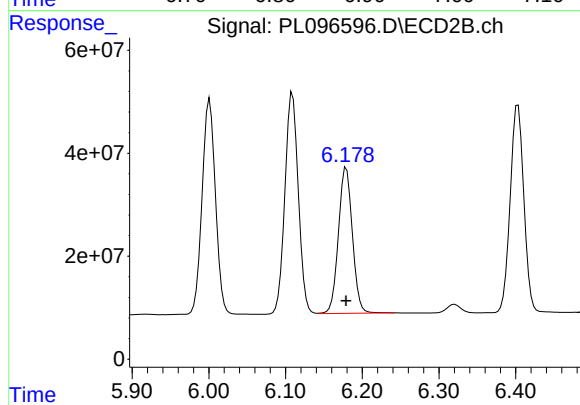
#17 4,4'-DDT

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



#18 Endrin aldehyde

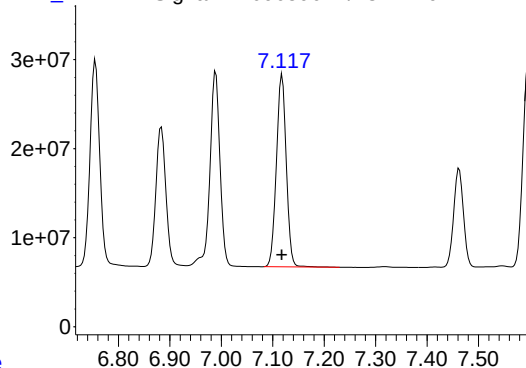
R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 212916204
Conc: 100.20 ng/ml



#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

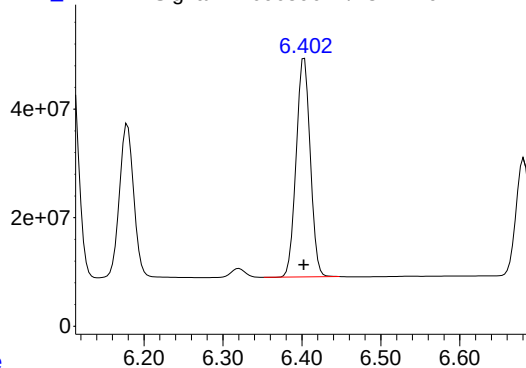


#19 Endosulfan Sulfate

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

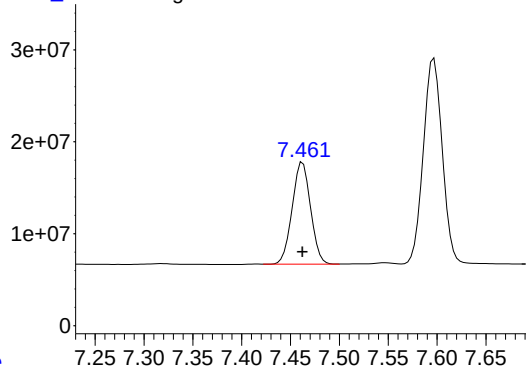
Time Response_ Signal: PL096596.D\ECD2B.ch



#19 Endosulfan Sulfate

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

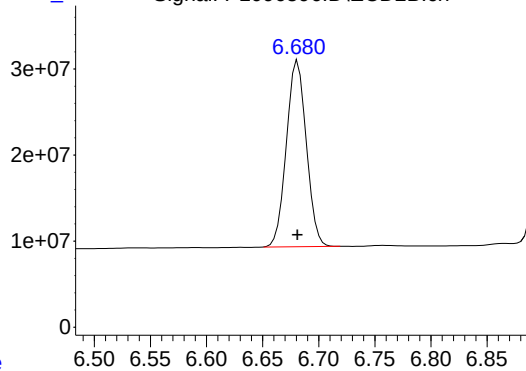
Time Response_ Signal: PL096596.D\ECD1A.ch



#20 Methoxychlor

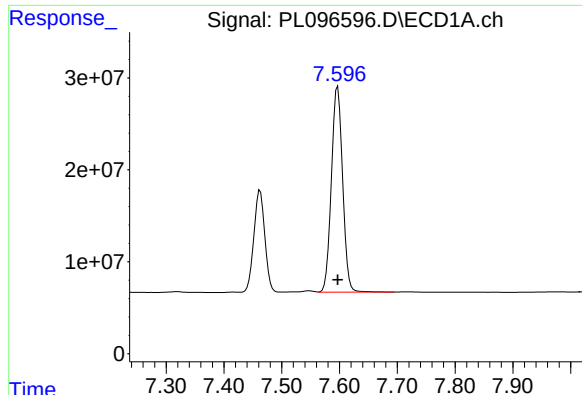
R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 144959027
Conc: 98.08 ng/ml

Time Response_ Signal: PL096596.D\ECD2B.ch



#20 Methoxychlor

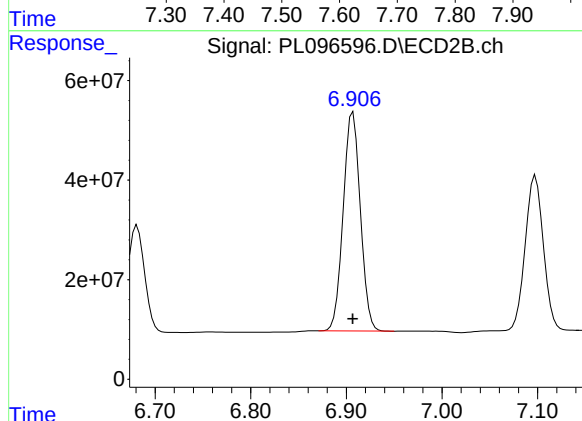
R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 267745710
Conc: 98.02 ng/ml



#21 Endrin ketone

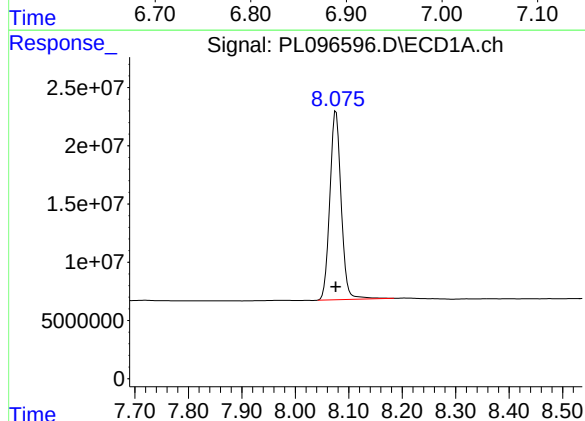
R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 302328647
Conc: 100.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



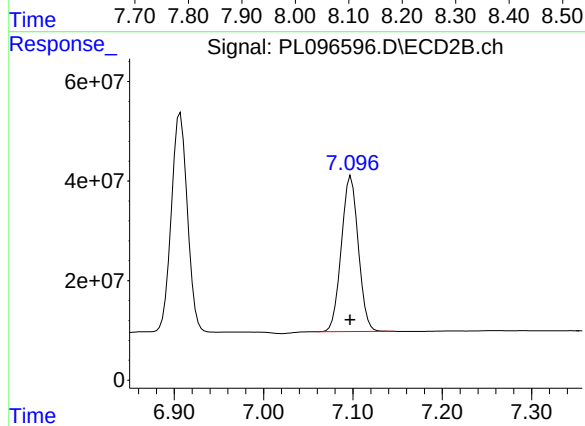
#21 Endrin ketone

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

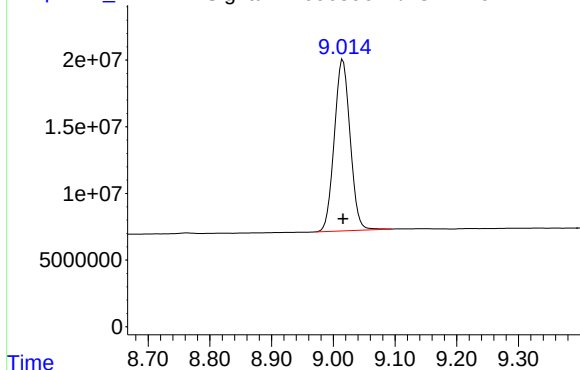
R.T.: 7.098 min
Delta R.T.: 0.001 min
Response: 411955568
Conc: 96.84 ng/ml

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

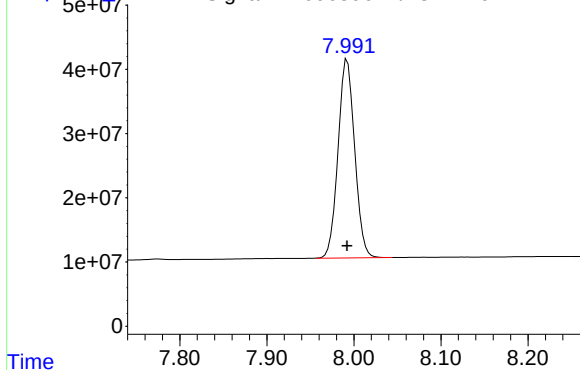
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

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

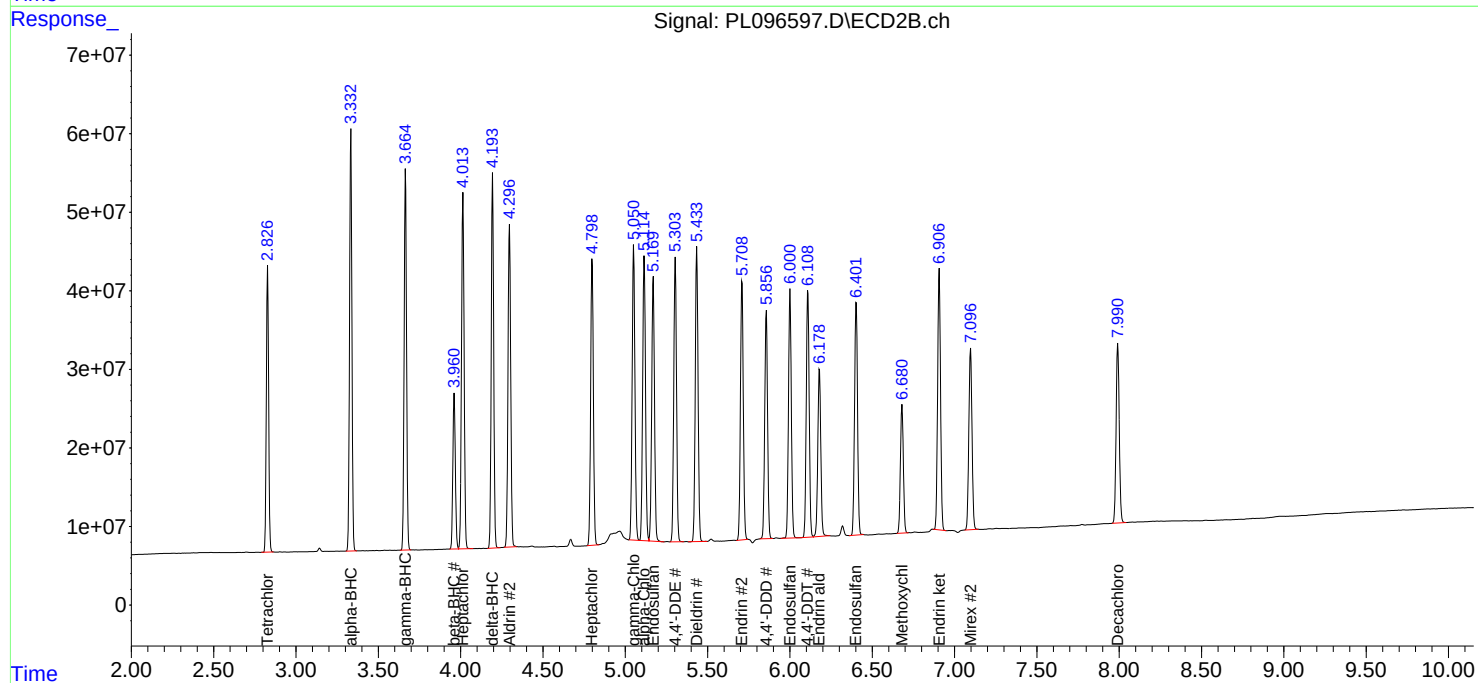
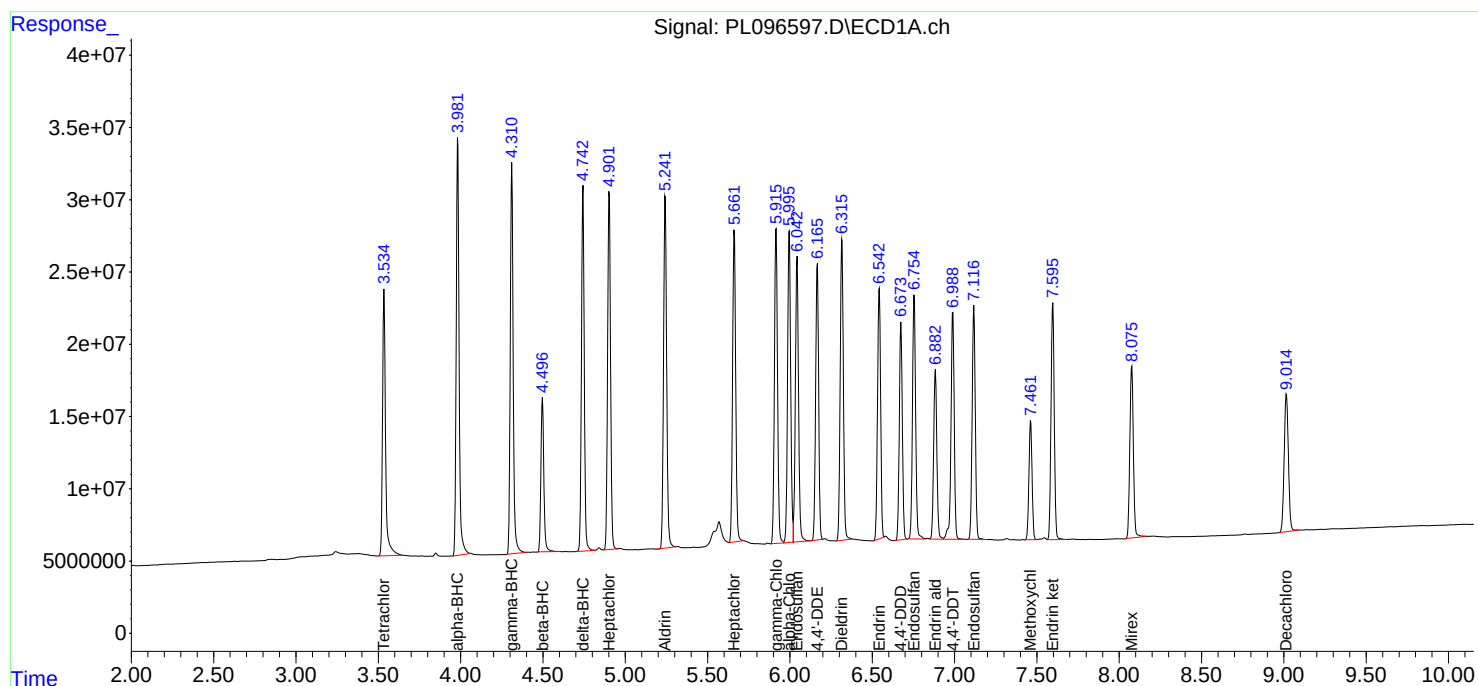
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

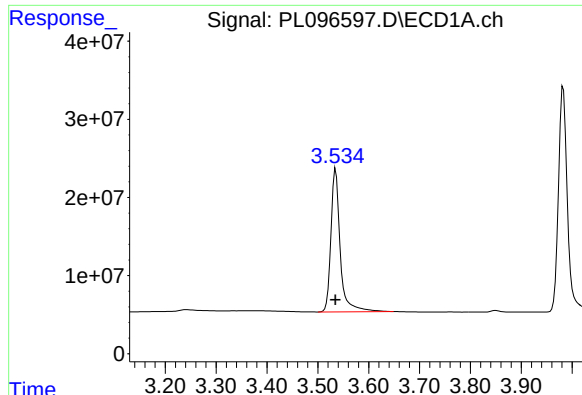
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096597.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:06
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

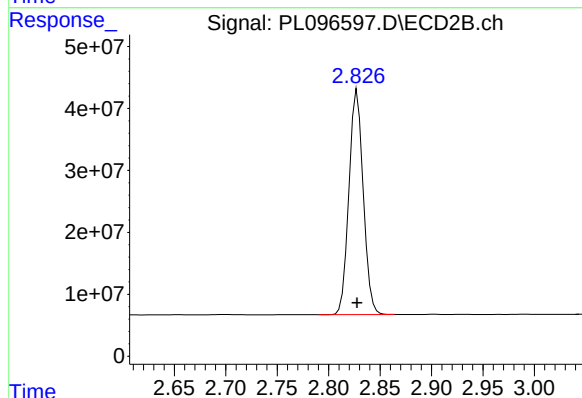




#1 Tetrachloro-m-xylene

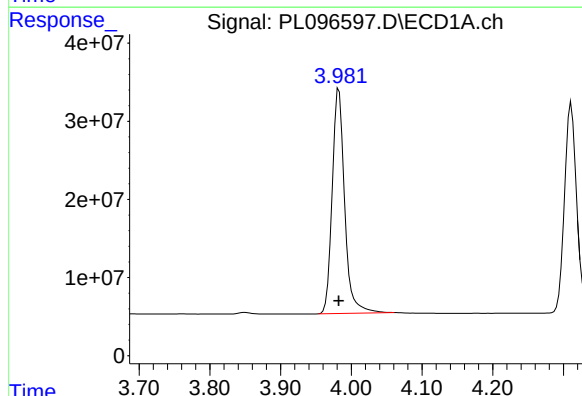
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 232961822
Conc: 74.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



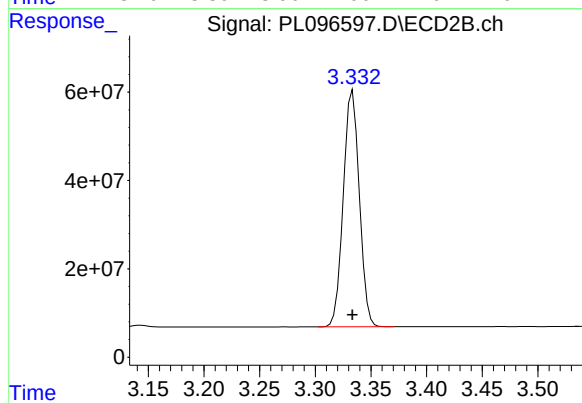
#1 Tetrachloro-m-xylene

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



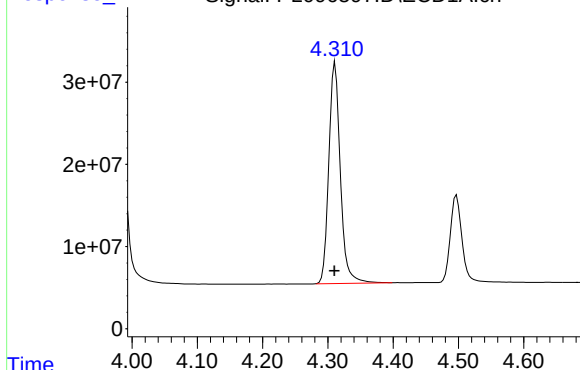
#2 alpha-BHC

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



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

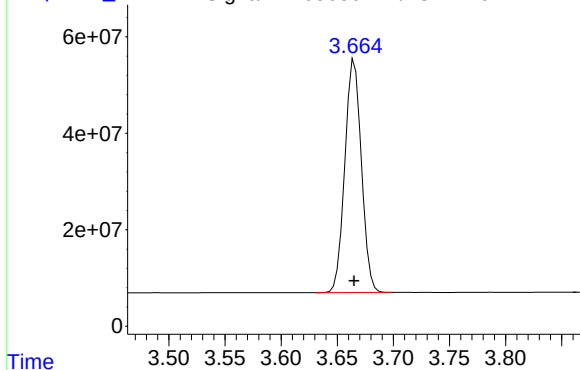
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PL096597.D\ECD2B.ch

#3 gamma-BHC (Lindane)



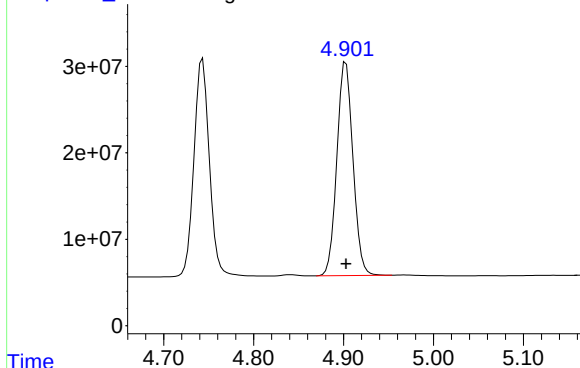
R.T.: 3.665 min
Delta R.T.: 0.000 min
Response: 495804891
Conc: 74.73 ng/ml

Time

Response_

Signal: PL096597.D\ECD1A.ch

#4 Heptachlor



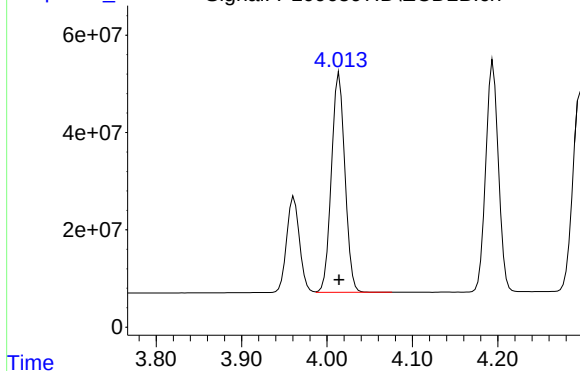
R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 307217245
Conc: 74.40 ng/ml

Time

Response_

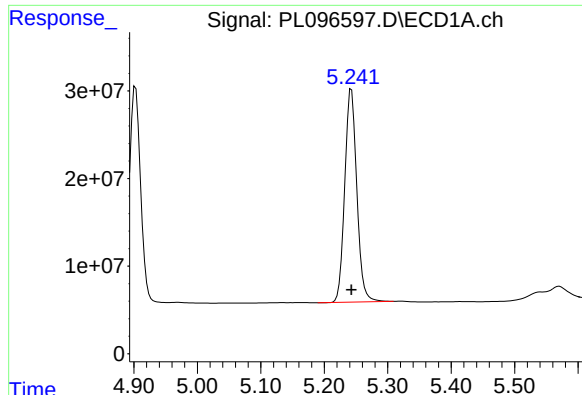
Signal: PL096597.D\ECD2B.ch

#4 Heptachlor



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

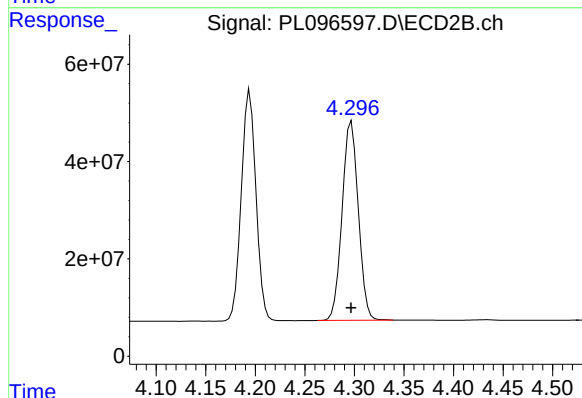
Time



#5 Aldrin

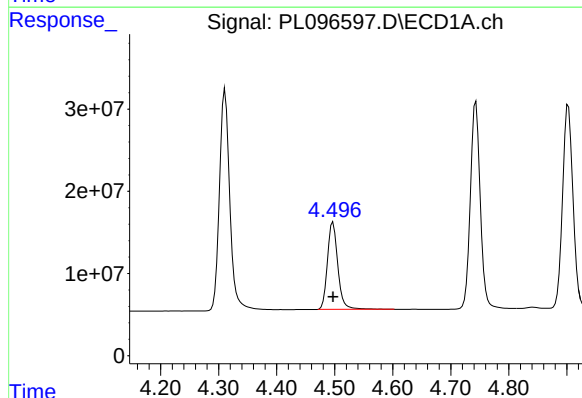
R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 320513876
Conc: 75.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



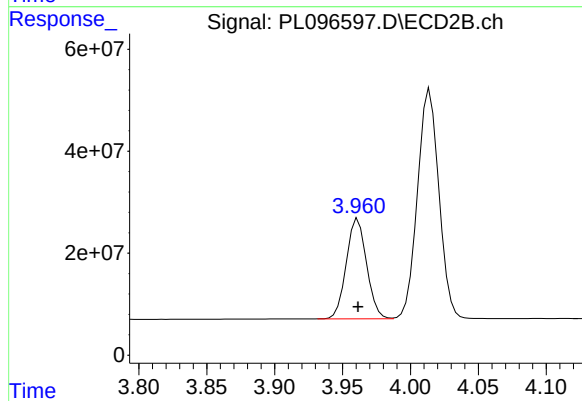
#5 Aldrin

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



#6 beta-BHC

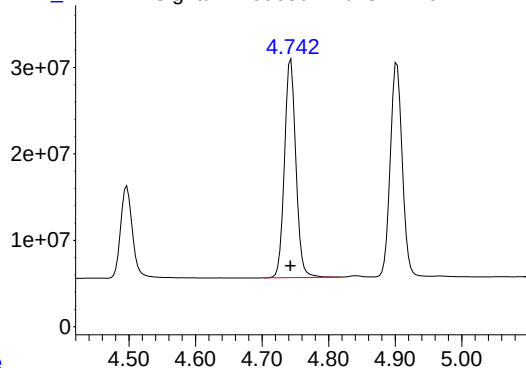
R.T.: 4.497 min
Delta R.T.: 0.000 min
Response: 131286587
Conc: 73.71 ng/ml



#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

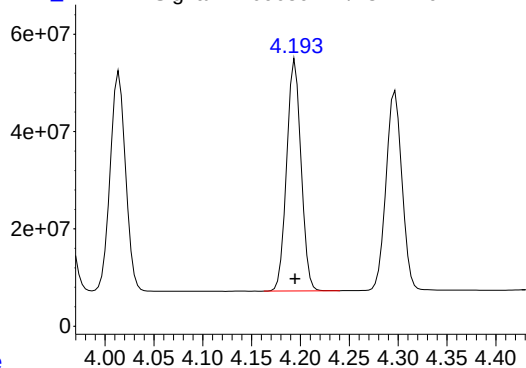


#7 delta-BHC

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

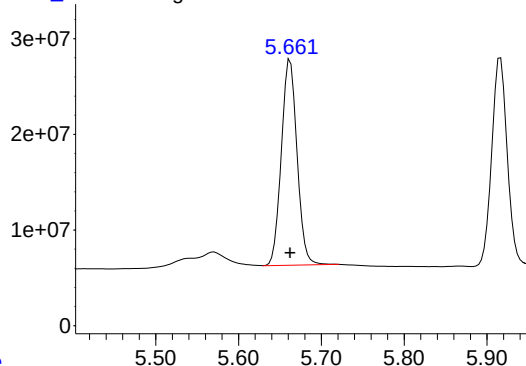
Time Response_ Signal: PL096597.D\ECD2B.ch



#7 delta-BHC

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

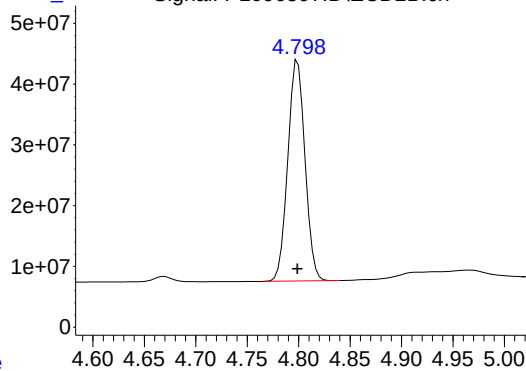
Time Response_ Signal: PL096597.D\ECD1A.ch



#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

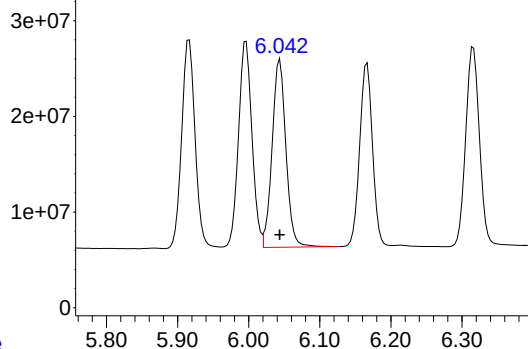
R.T.: 4.799 min
Delta R.T.: 0.000 min
Response: 422642097
Conc: 74.16 ng/ml

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

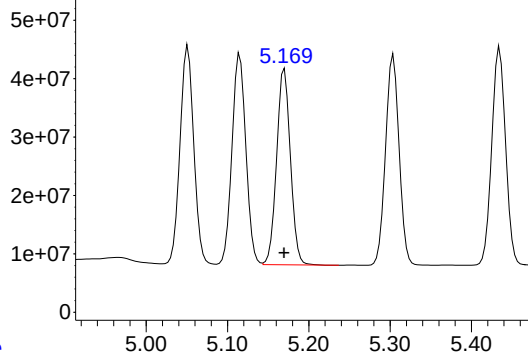
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PL096597.D\ECD2B.ch

#9 Endosulfan I



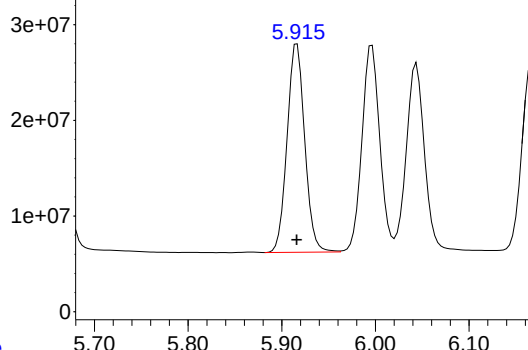
R.T.: 5.170 min
Delta R.T.: 0.000 min
Response: 398162363
Conc: 74.25 ng/ml

Time

Response_

Signal: PL096597.D\ECD1A.ch

#10 gamma-Chlordane



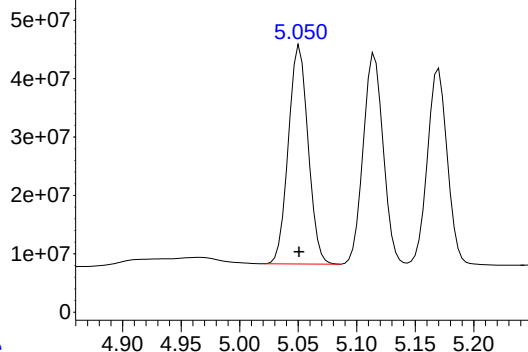
R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 285066035
Conc: 75.00 ng/ml

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

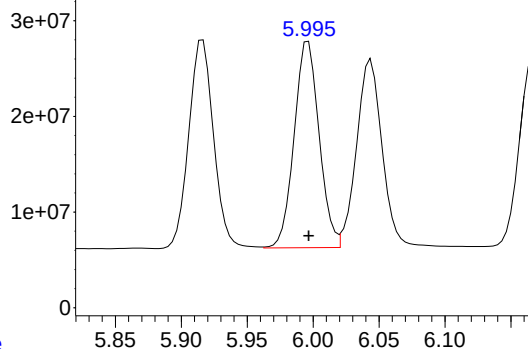
Time

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

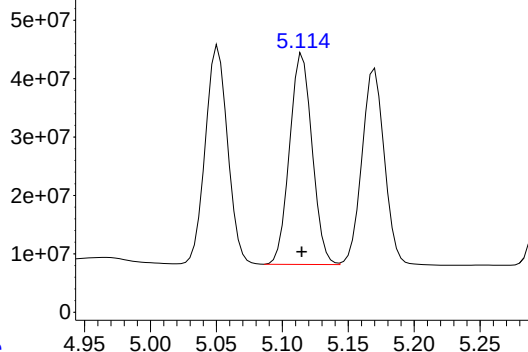
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PL096597.D\ECD2B.ch

#11 alpha-Chlordane



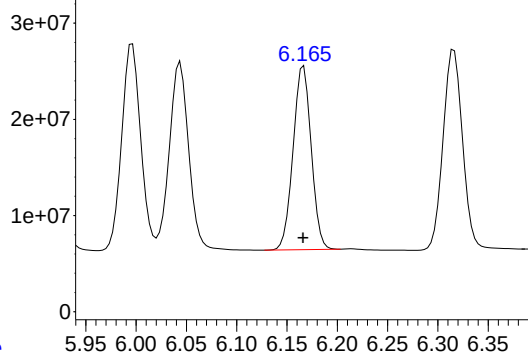
R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 429864118
Conc: 74.11 ng/ml

Time

Response_

Signal: PL096597.D\ECD1A.ch

#12 4,4'-DDE



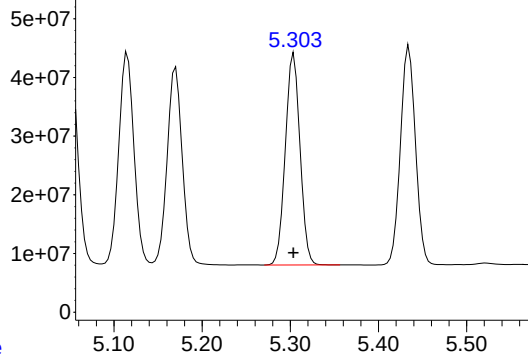
R.T.: 6.167 min
Delta R.T.: 0.000 min
Response: 238480667
Conc: 75.77 ng/ml

Time

Response_

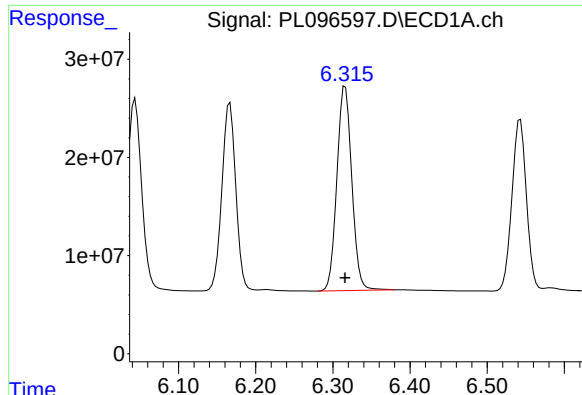
Signal: PL096597.D\ECD2B.ch

#12 4,4'-DDE



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

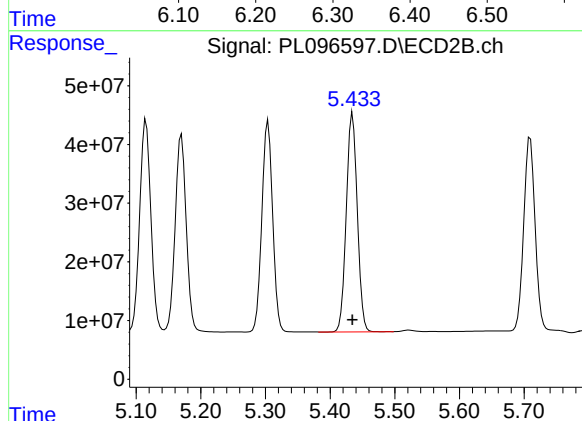
Time



#13 Dieldrin

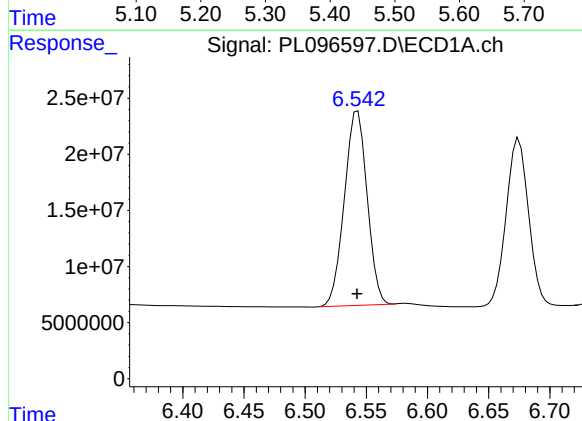
R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 280319278
Conc: 75.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



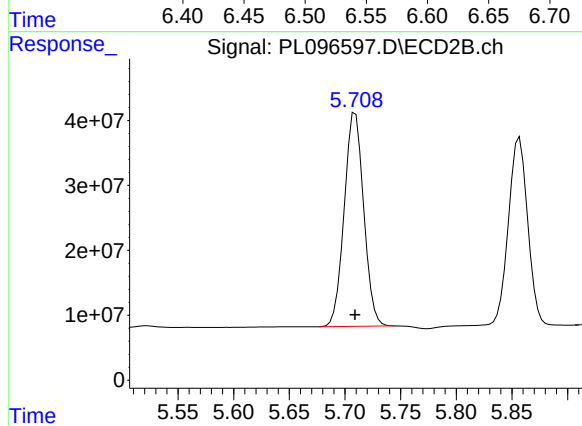
#13 Dieldrin

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



#14 Endrin

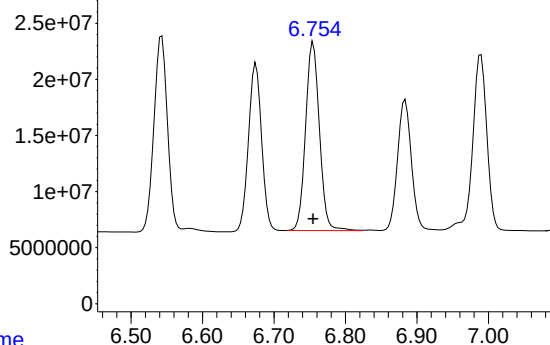
R.T.: 6.543 min
Delta R.T.: 0.000 min
Response: 224278091
Conc: 75.09 ng/ml



#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

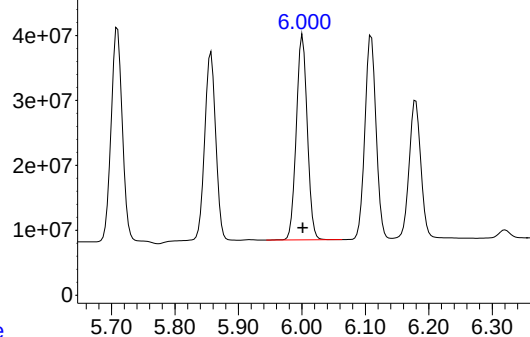


#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

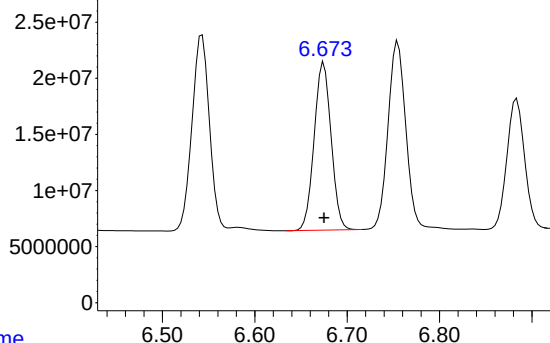
Time Response_ Signal: PL096597.D\ECD2B.ch



#15 Endosulfan II

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

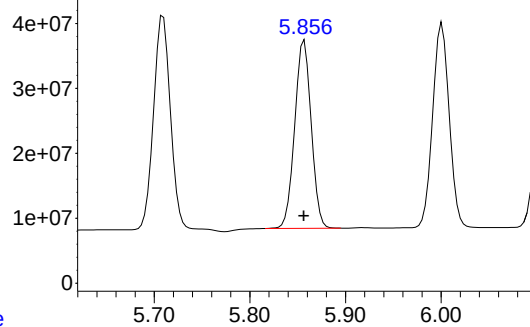
Time Response_ Signal: PL096597.D\ECD1A.ch



#16 4,4'-DDD

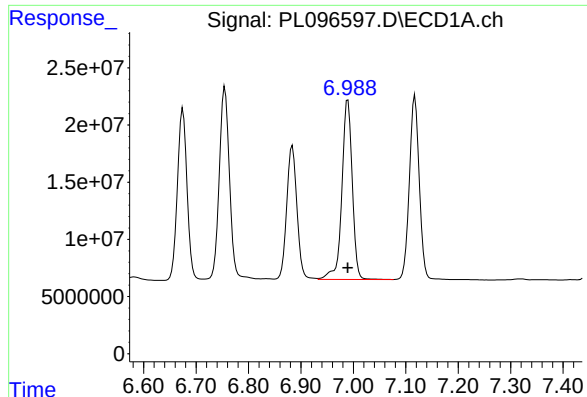
R.T.: 6.675 min
Delta R.T.: 0.000 min
Response: 190671313
Conc: 75.55 ng/ml

Time Response_ Signal: PL096597.D\ECD2B.ch



#16 4,4'-DDD

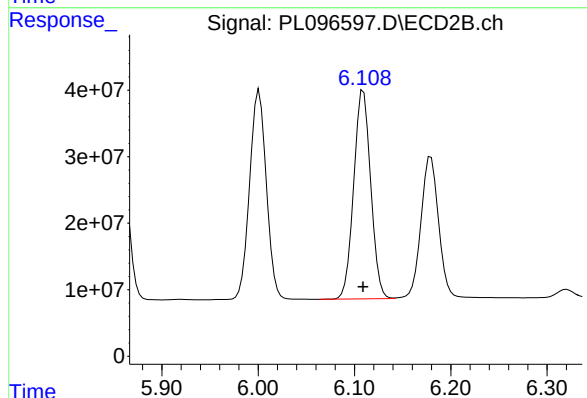
R.T.: 5.857 min
Delta R.T.: 0.000 min
Response: 348660112
Conc: 74.29 ng/ml



#17 4,4'-DDT

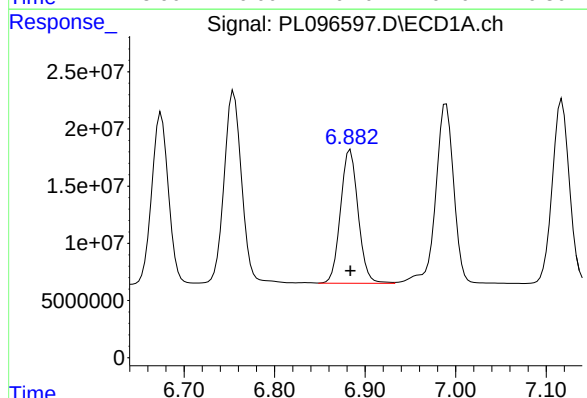
R.T.: 6.990 min
Delta R.T.: 0.000 min
Response: 217641704
Conc: 75.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



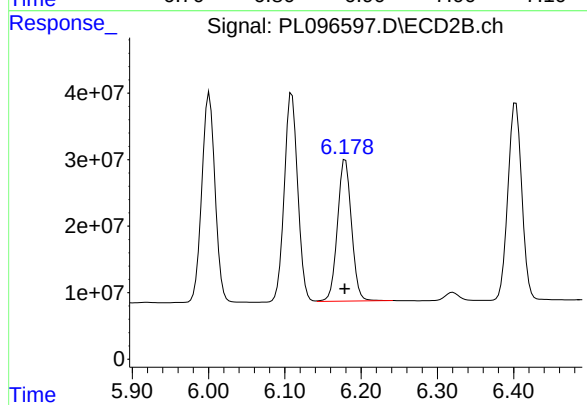
#17 4,4'-DDT

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



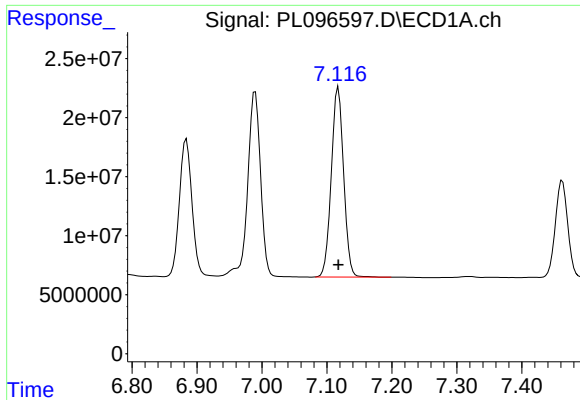
#18 Endrin aldehyde

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



#18 Endrin aldehyde

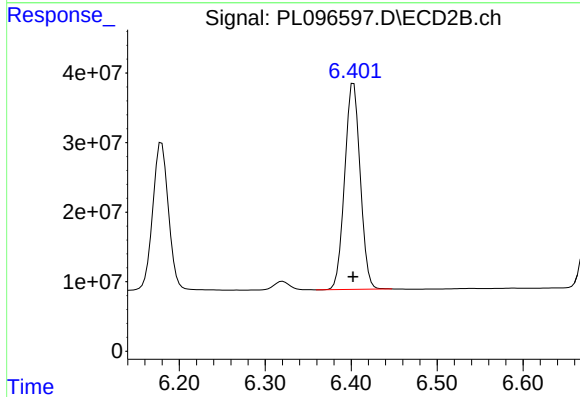
R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 271456969
Conc: 72.36 ng/ml



#19 Endosulfan Sulfate

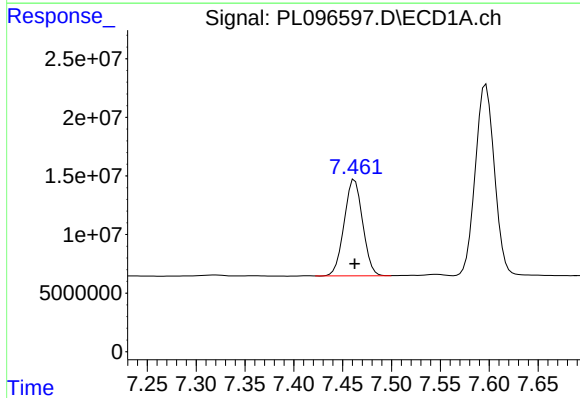
R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 211116580
Conc: 74.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



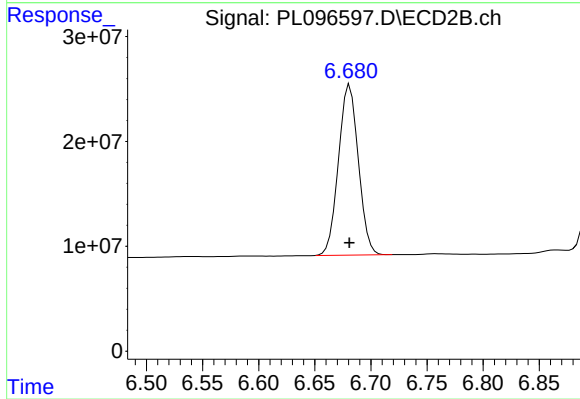
#19 Endosulfan Sulfate

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



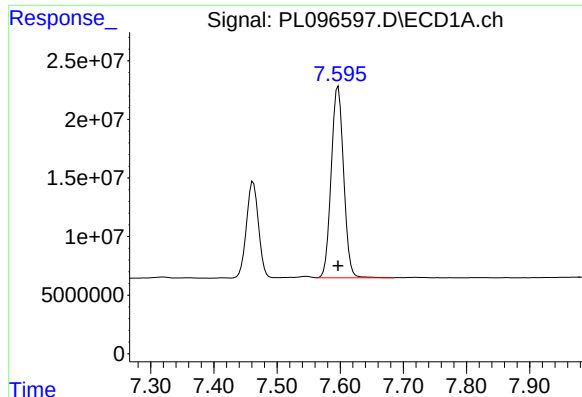
#20 Methoxychlor

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



#20 Methoxychlor

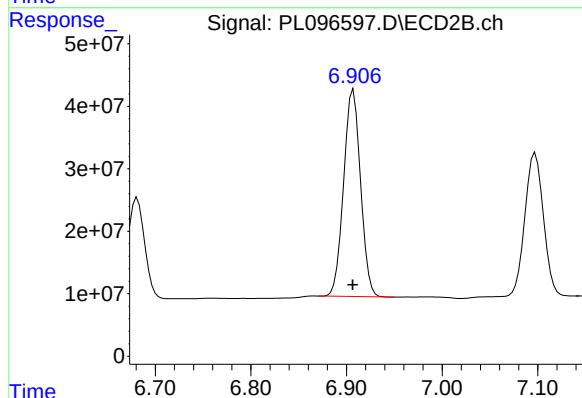
R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 200544716
Conc: 73.42 ng/ml



#21 Endrin ketone

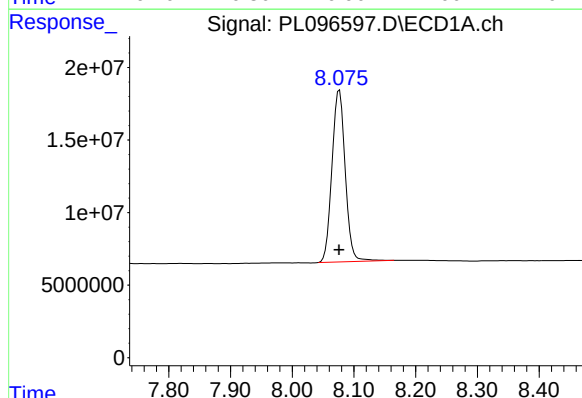
R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 223186820
Conc: 74.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



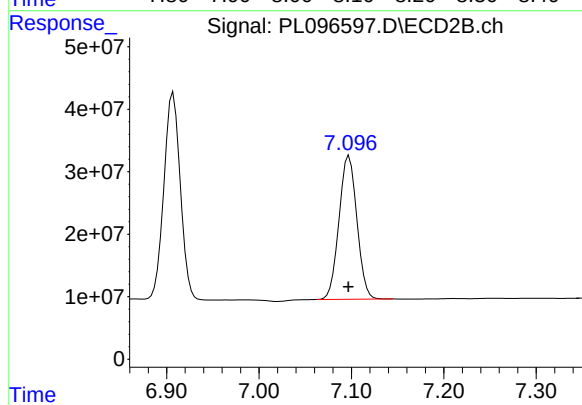
#21 Endrin ketone

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

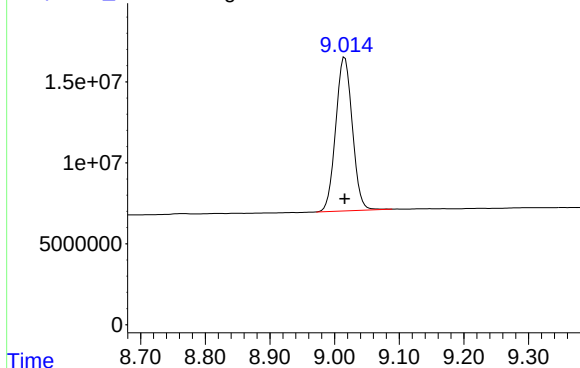
R.T.: 7.098 min
Delta R.T.: 0.000 min
Response: 309671656
Conc: 72.79 ng/ml

Response_

Signal: PL096597.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 9.016 min
Delta R.T.: 0.000 min
Response: 168823757
Conc: 72.88 ng/ml

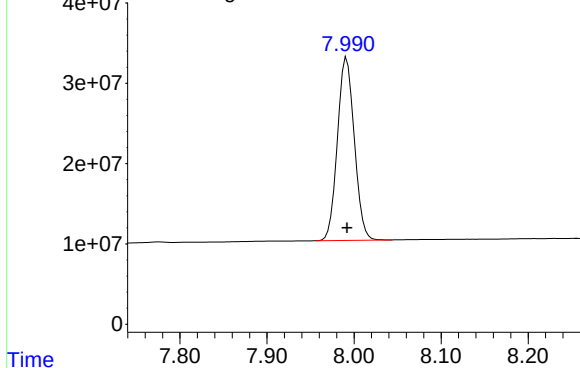
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

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

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

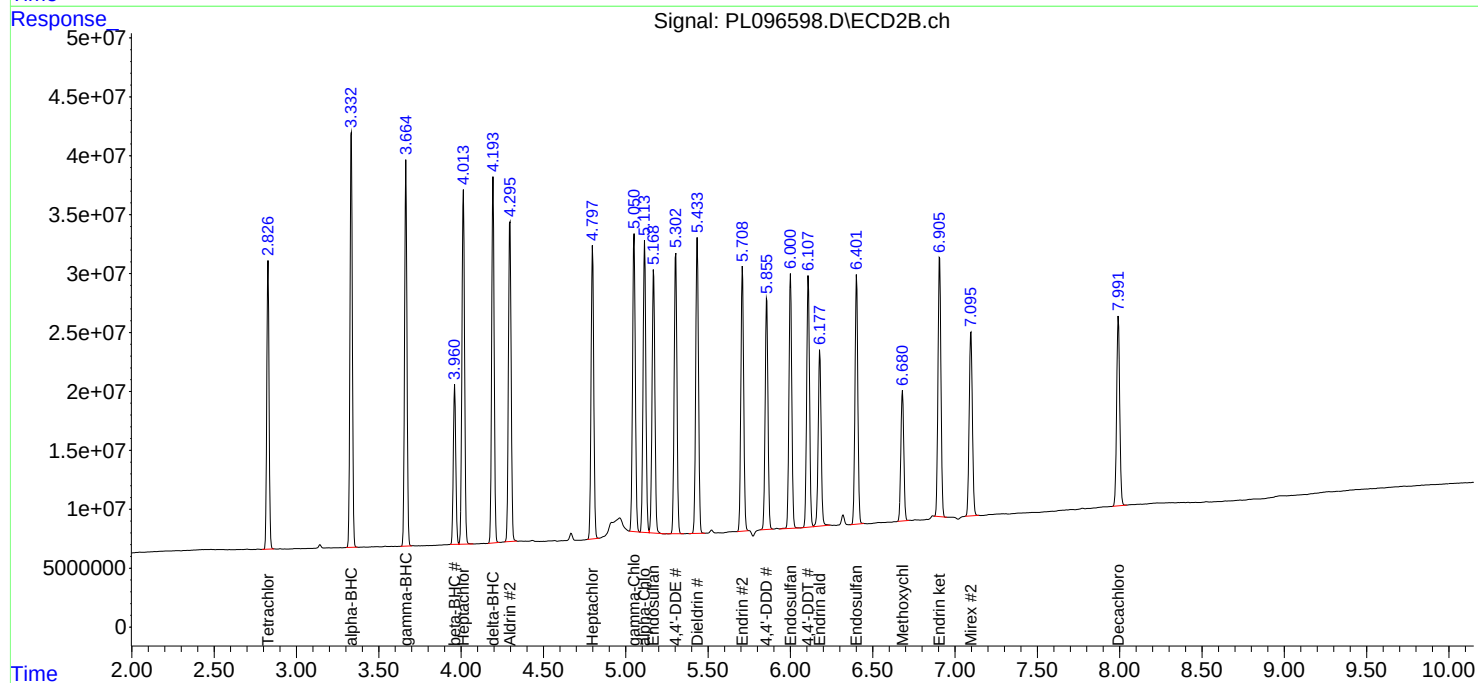
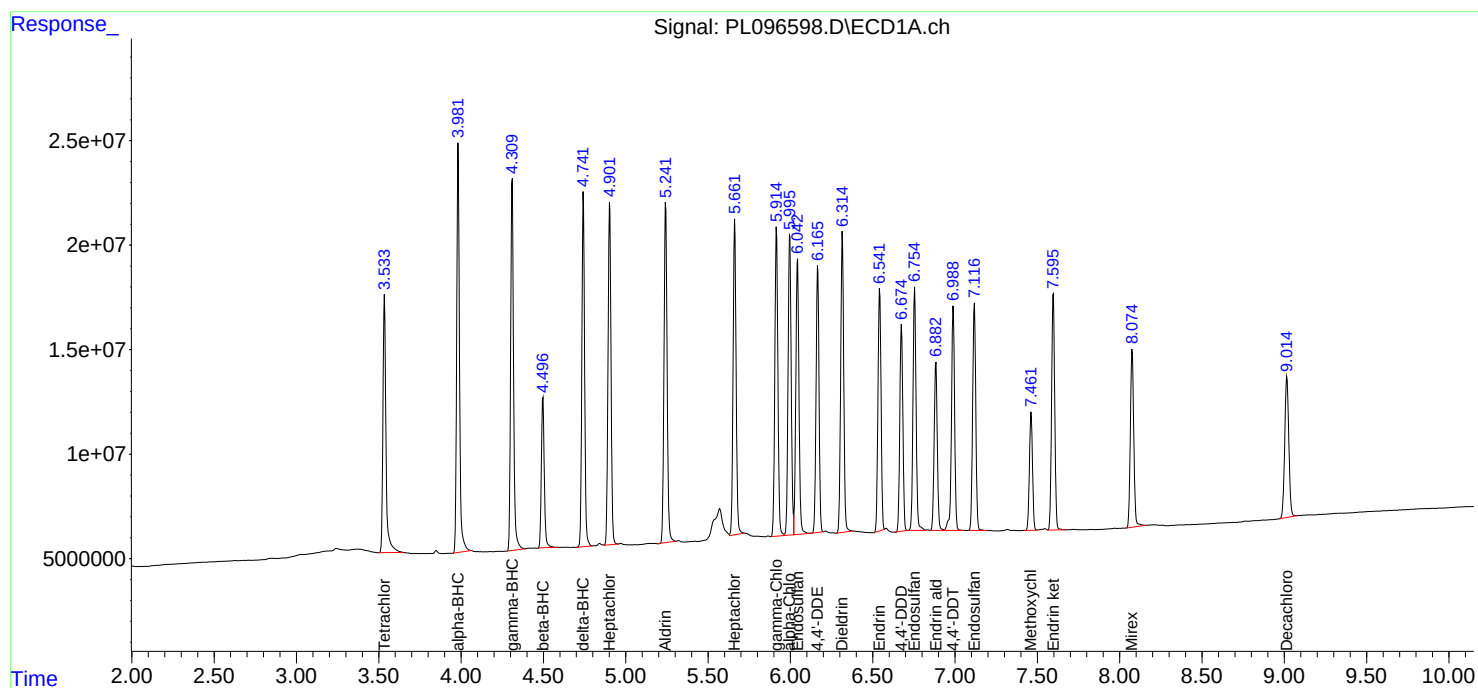
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

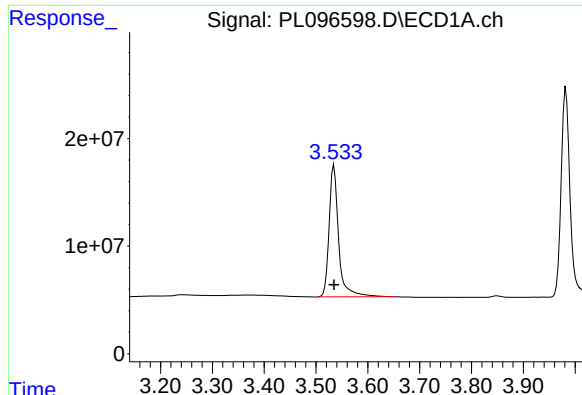
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:19
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

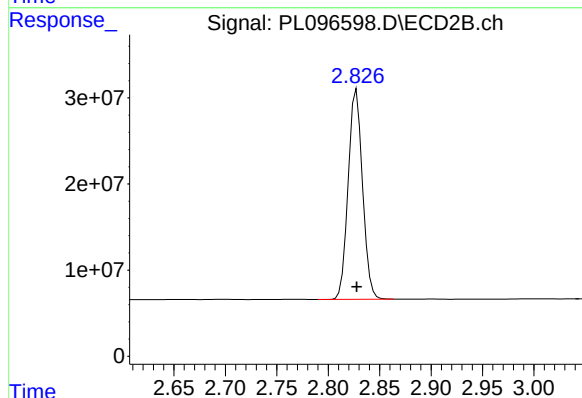




#1 Tetrachloro-m-xylene

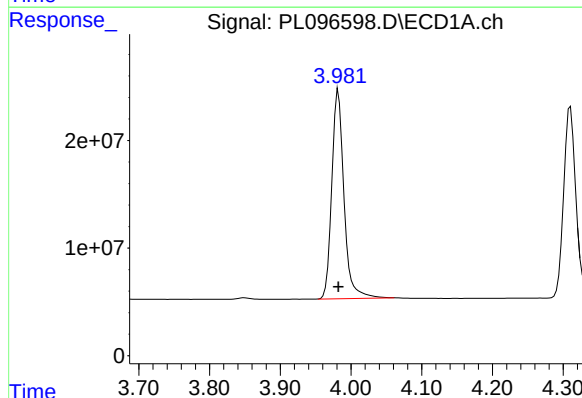
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 156830016
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



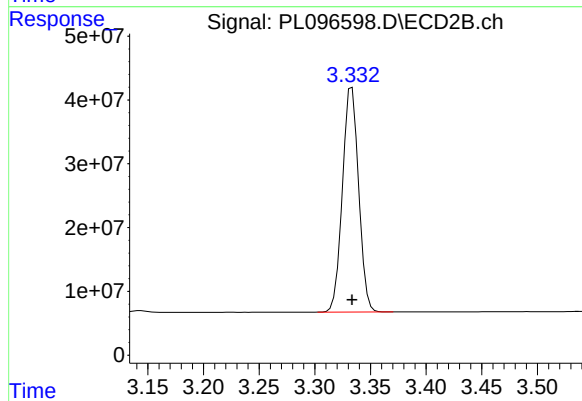
#1 Tetrachloro-m-xylene

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

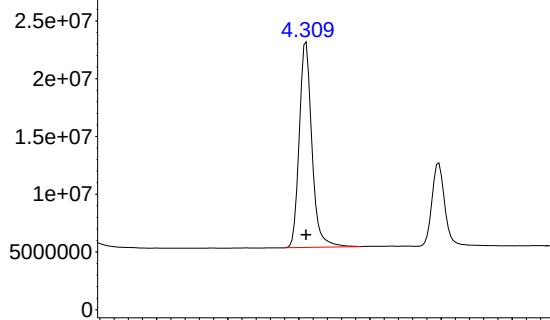
R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 356858706
Conc: 50.00 ng/ml

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

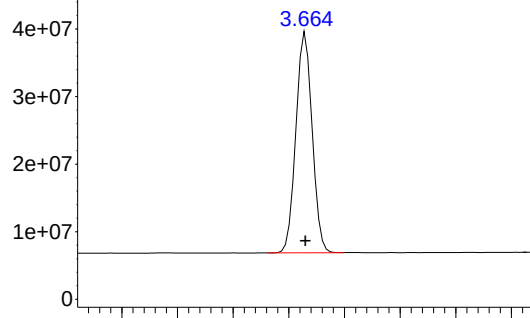
Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Time

Response_

Signal: PL096598.D\ECD2B.ch

#3 gamma-BHC (Lindane)



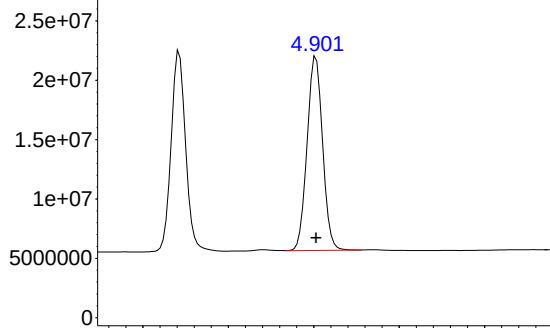
R.T.: 3.665 min
Delta R.T.: 0.000 min
Response: 331715507
Conc: 50.00 ng/ml

Time

Response_

Signal: PL096598.D\ECD1A.ch

#4 Heptachlor



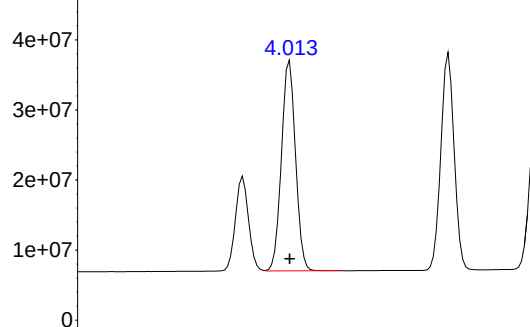
R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 206474907
Conc: 50.00 ng/ml

Time

Response_

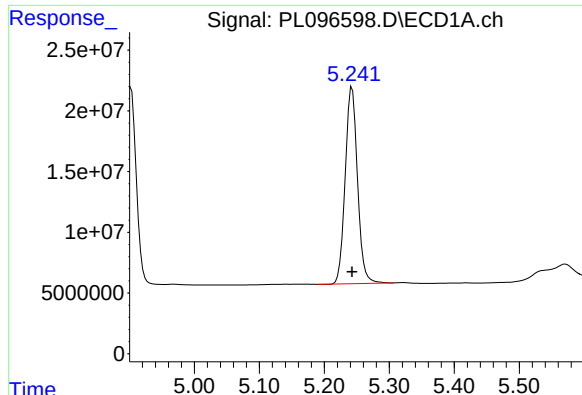
Signal: PL096598.D\ECD2B.ch

#4 Heptachlor



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

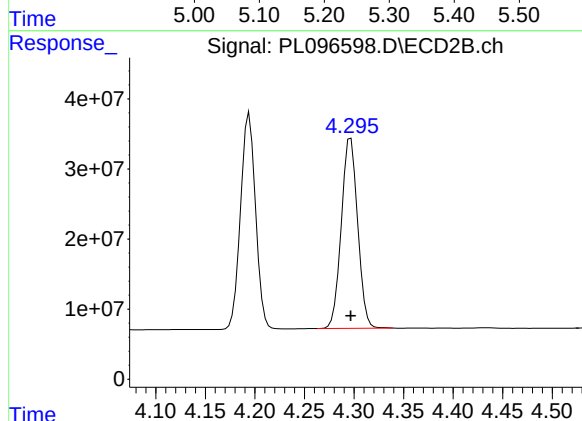
Time



#5 Aldrin

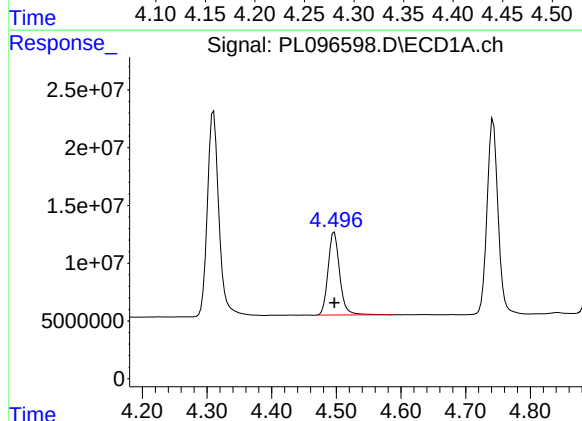
R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 213418935
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



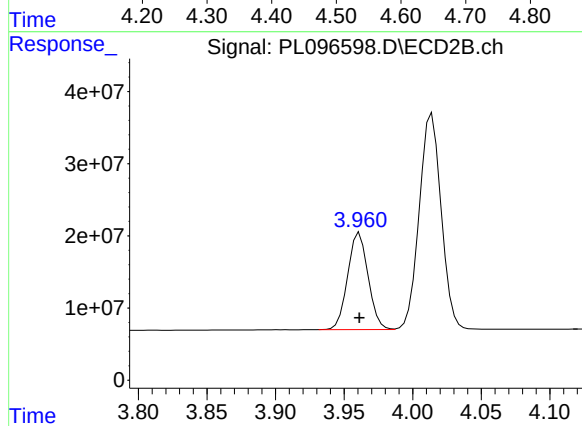
#5 Aldrin

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



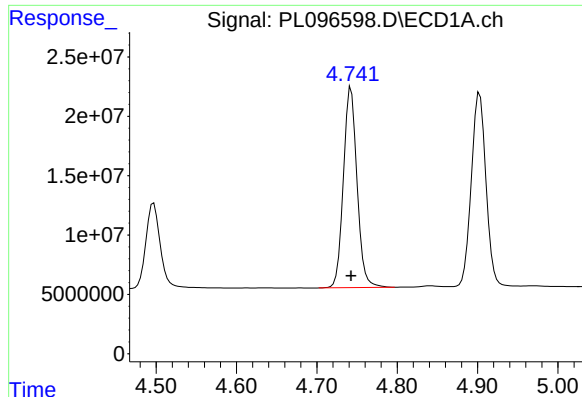
#6 beta-BHC

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



#6 beta-BHC

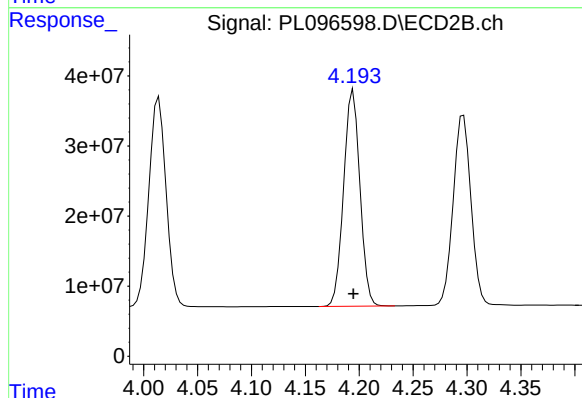
R.T.: 3.961 min
Delta R.T.: 0.000 min
Response: 139136358
Conc: 50.00 ng/ml



#7 delta-BHC

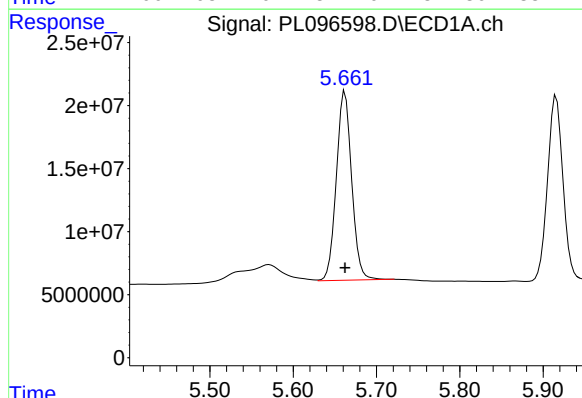
R.T.: 4.743 min
Delta R.T.: 0.000 min
Response: 198923133
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



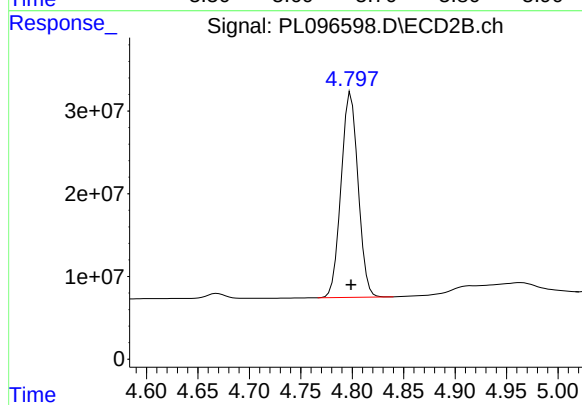
#7 delta-BHC

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



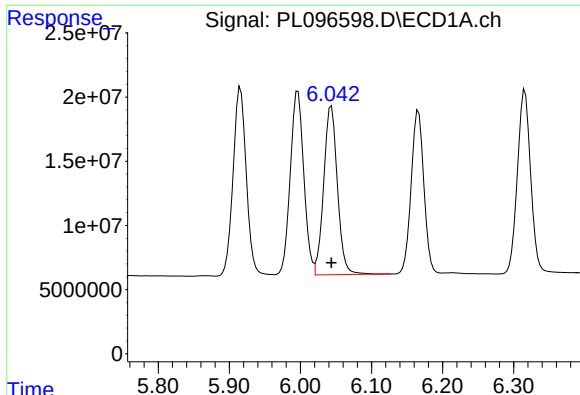
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

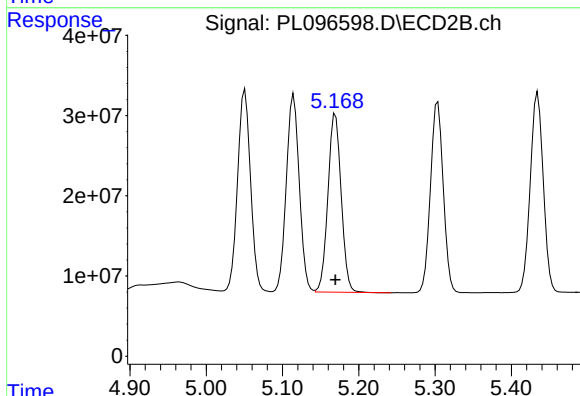
R.T.: 4.799 min
Delta R.T.: 0.000 min
Response: 284946767
Conc: 50.00 ng/ml



#9 Endosulfan I

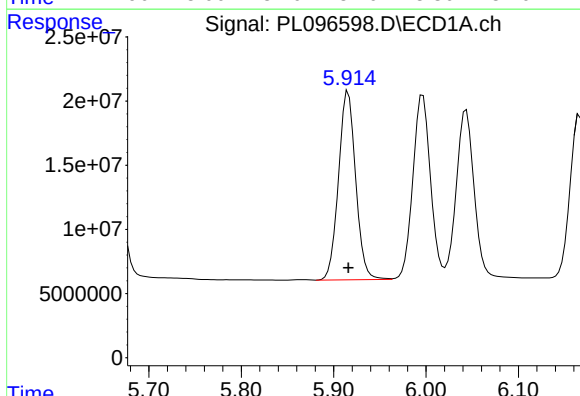
R.T.: 6.044 min
Delta R.T.: 0.000 min
Response: 176829163
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



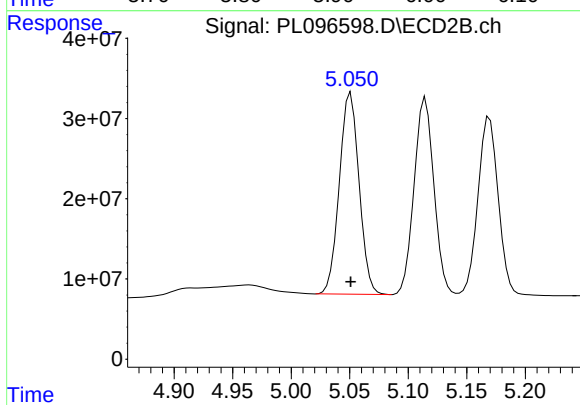
#9 Endosulfan I

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



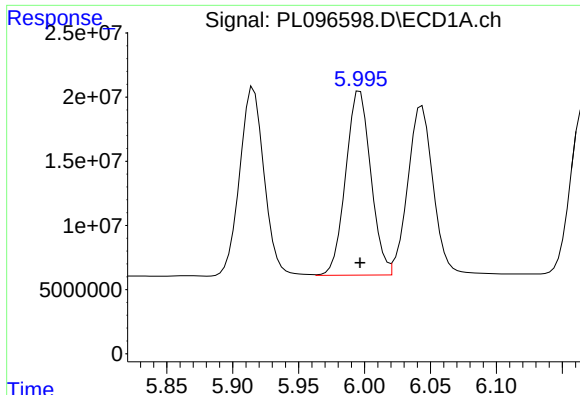
#10 gamma-Chlordane

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



#10 gamma-Chlordane

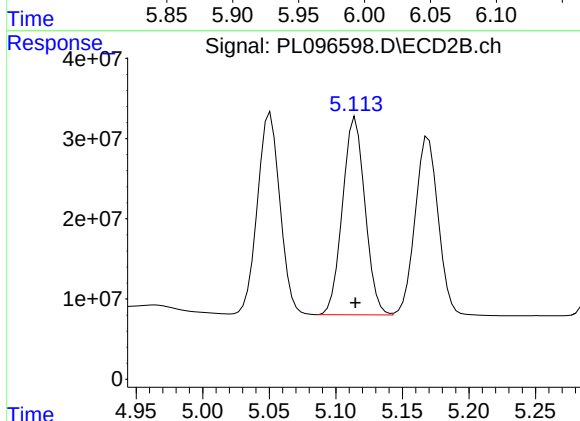
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 294914893
Conc: 50.00 ng/ml



#11 alpha-Chlordane

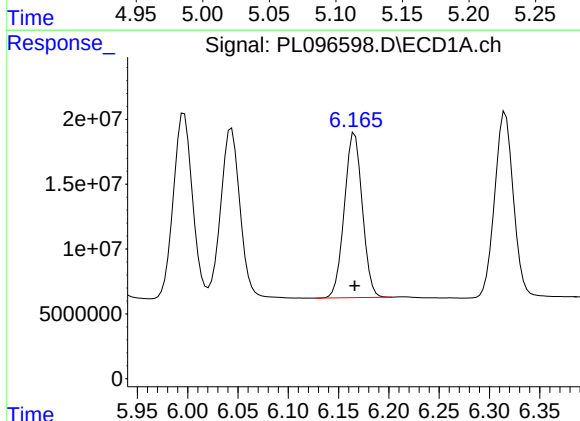
R.T.: 5.997 min
Delta R.T.: 0.000 min
Response: 190094073
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



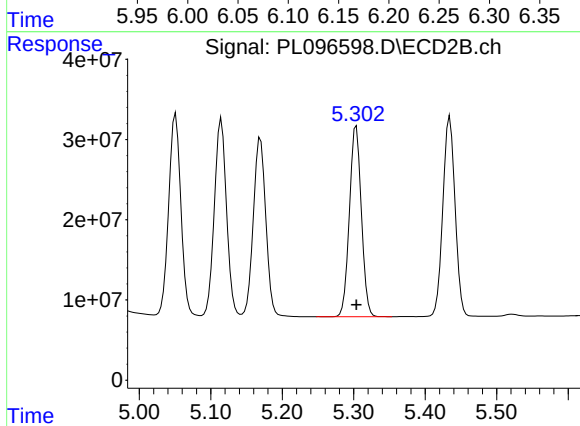
#11 alpha-Chlordane

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



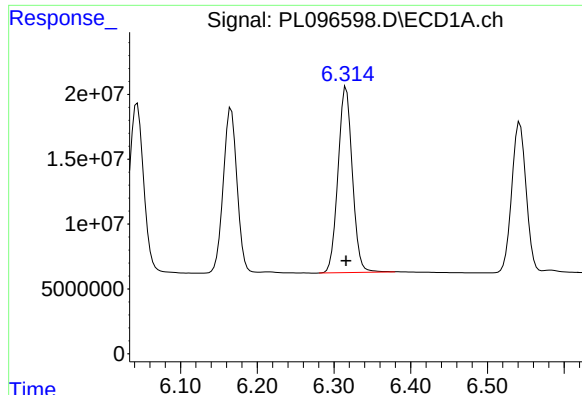
#12 4,4'-DDE

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



#12 4,4'-DDE

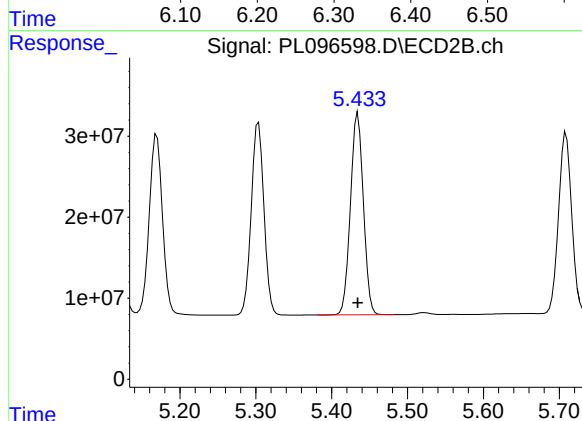
R.T.: 5.304 min
Delta R.T.: 0.000 min
Response: 277030353
Conc: 50.00 ng/ml



#13 Dieldrin

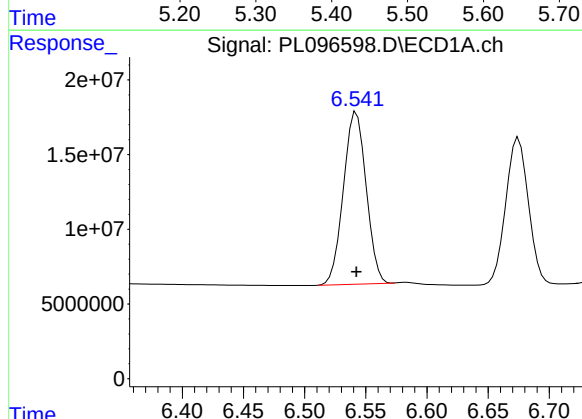
R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 185644019
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



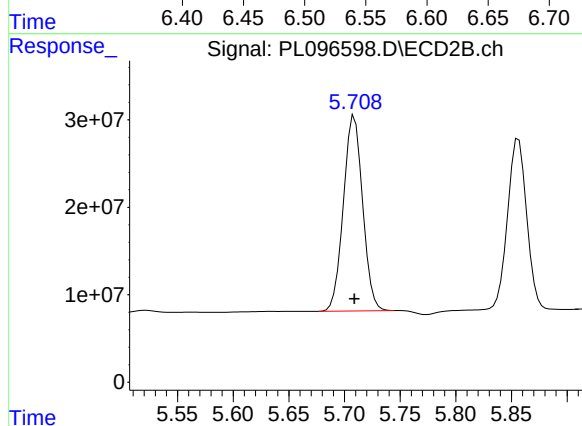
#13 Dieldrin

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



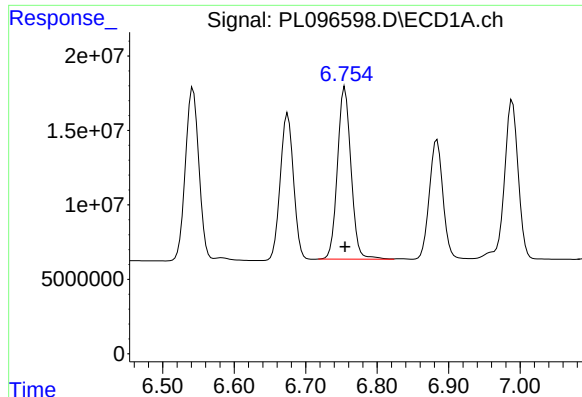
#14 Endrin

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



#14 Endrin

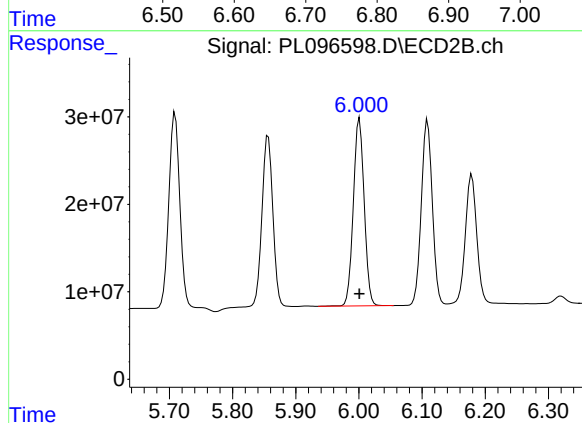
R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 268809924
Conc: 50.00 ng/ml



#15 Endosulfan II

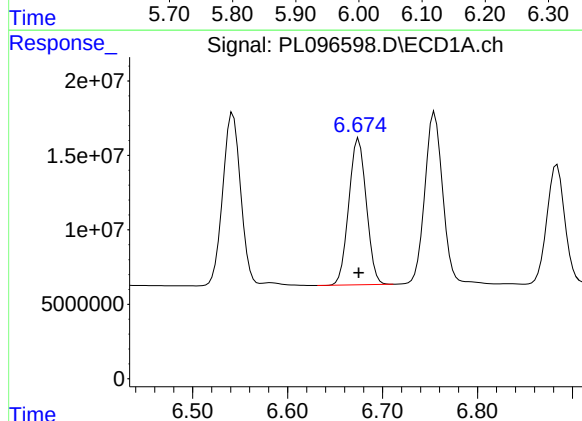
R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 152139869
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



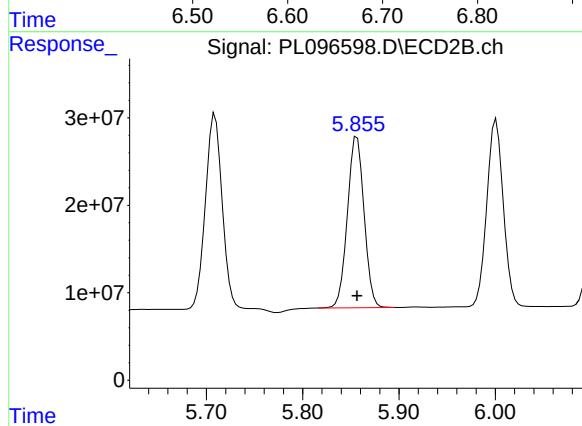
#15 Endosulfan II

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



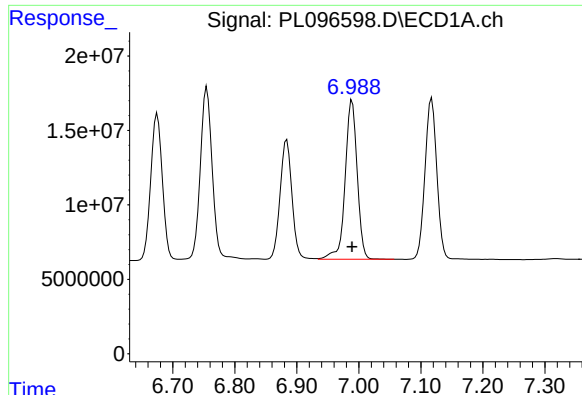
#16 4,4'-DDD

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



#16 4,4'-DDD

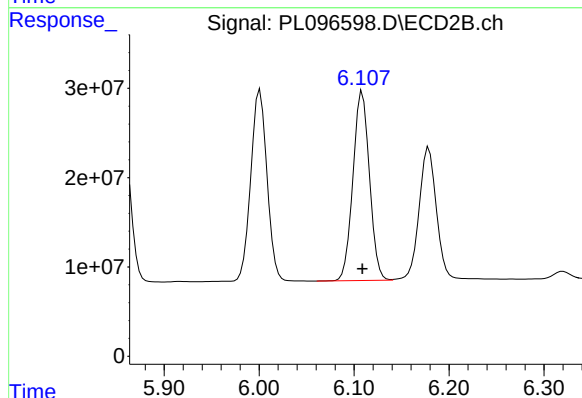
R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 234668190
Conc: 50.00 ng/ml



#17 4,4'-DDT

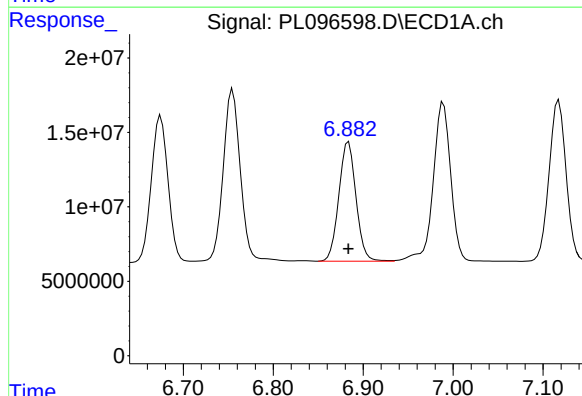
R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 144237122
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



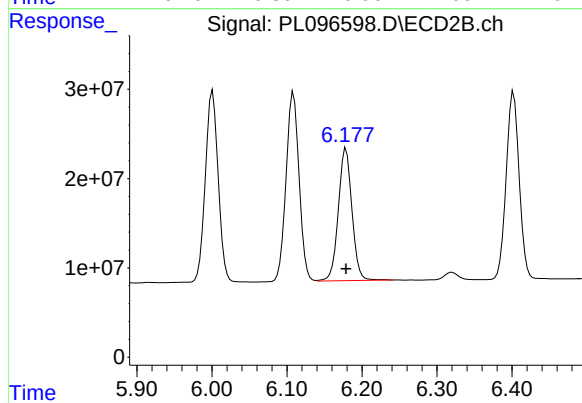
#17 4,4'-DDT

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



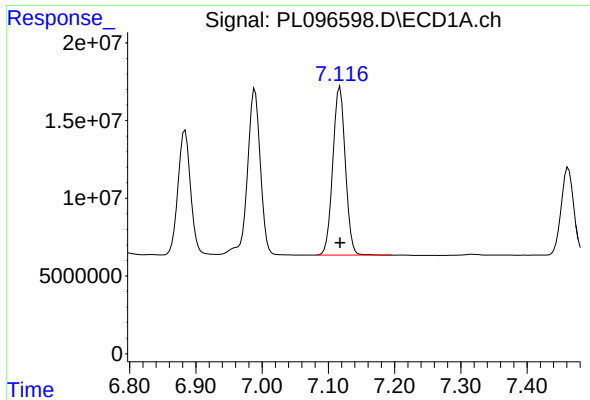
#18 Endrin aldehyde

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



#18 Endrin aldehyde

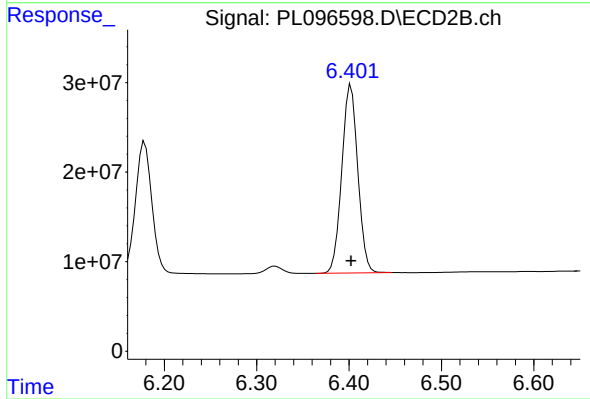
R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 187568317
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

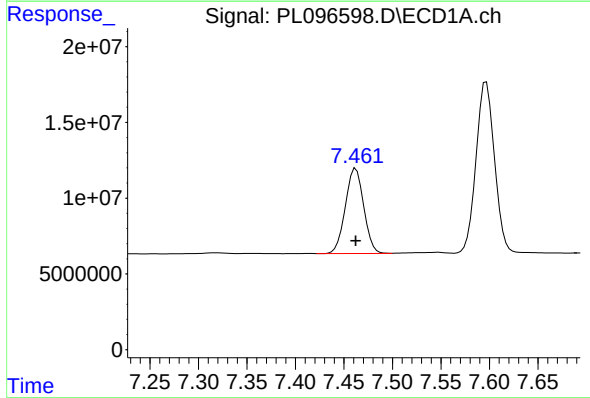
R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 142581938
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



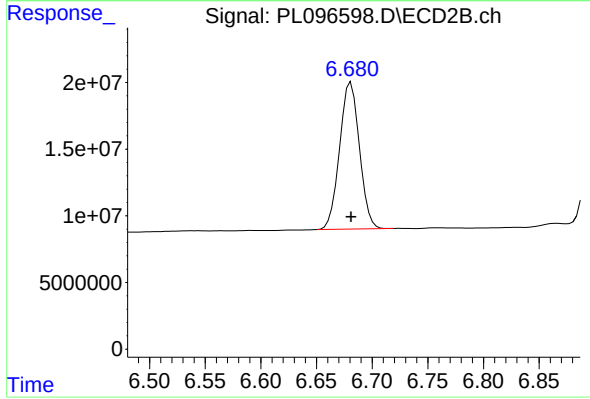
#19 Endosulfan Sulfate

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



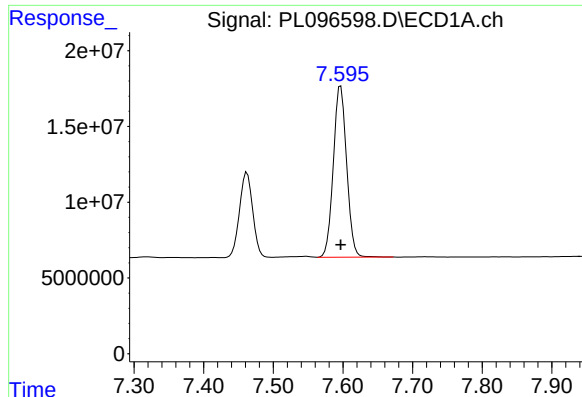
#20 Methoxychlor

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



#20 Methoxychlor

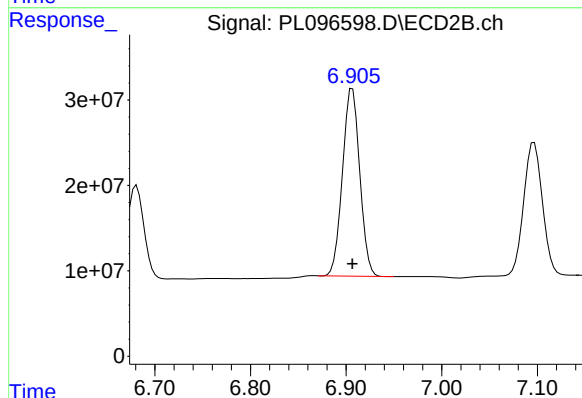
R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 136578007
Conc: 50.00 ng/ml



#21 Endrin ketone

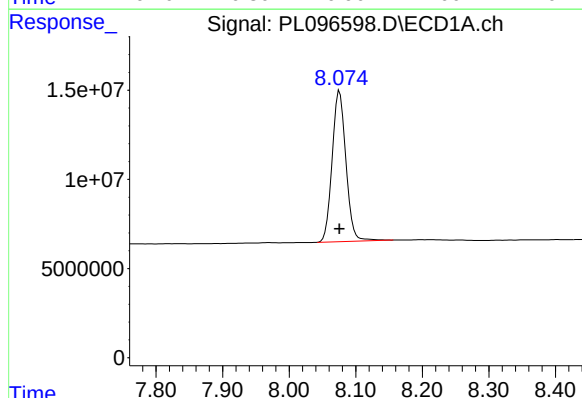
R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 150195843
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



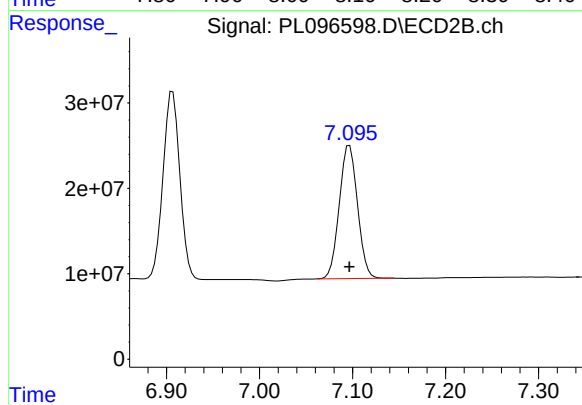
#21 Endrin ketone

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

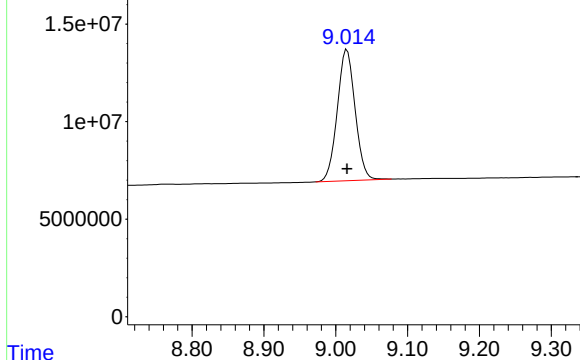
R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 212706537
Conc: 50.00 ng/ml

Response_

Signal: PL096598.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



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

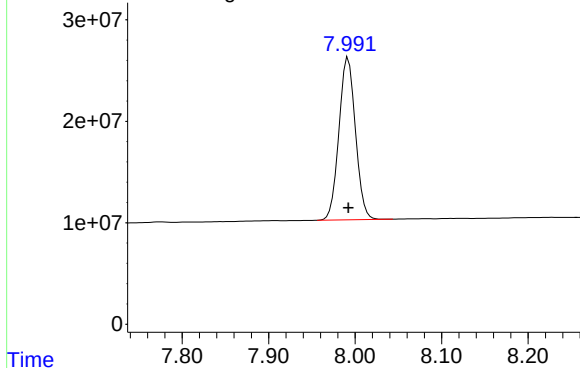
Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Time

Response_

Signal: PL096598.D\ECD2B.ch

#28 Decachlorobiphenyl



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

Time

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

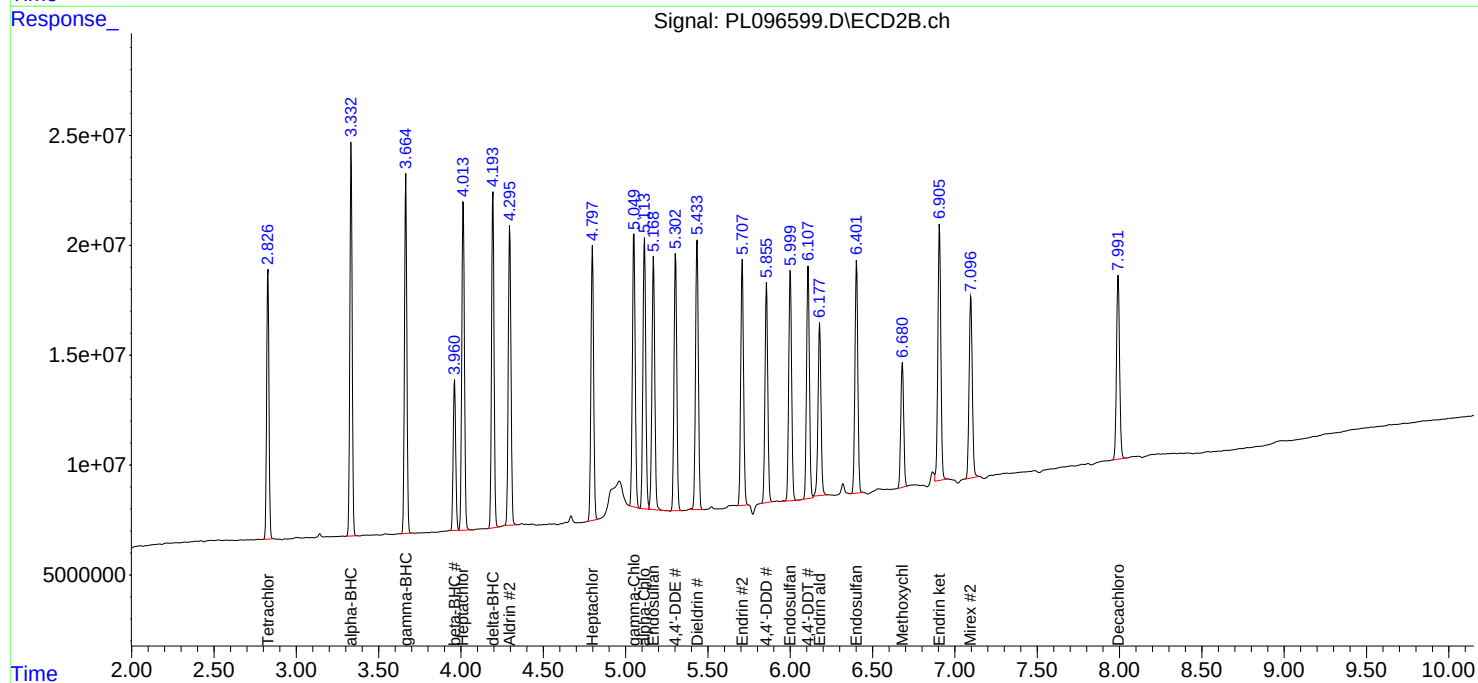
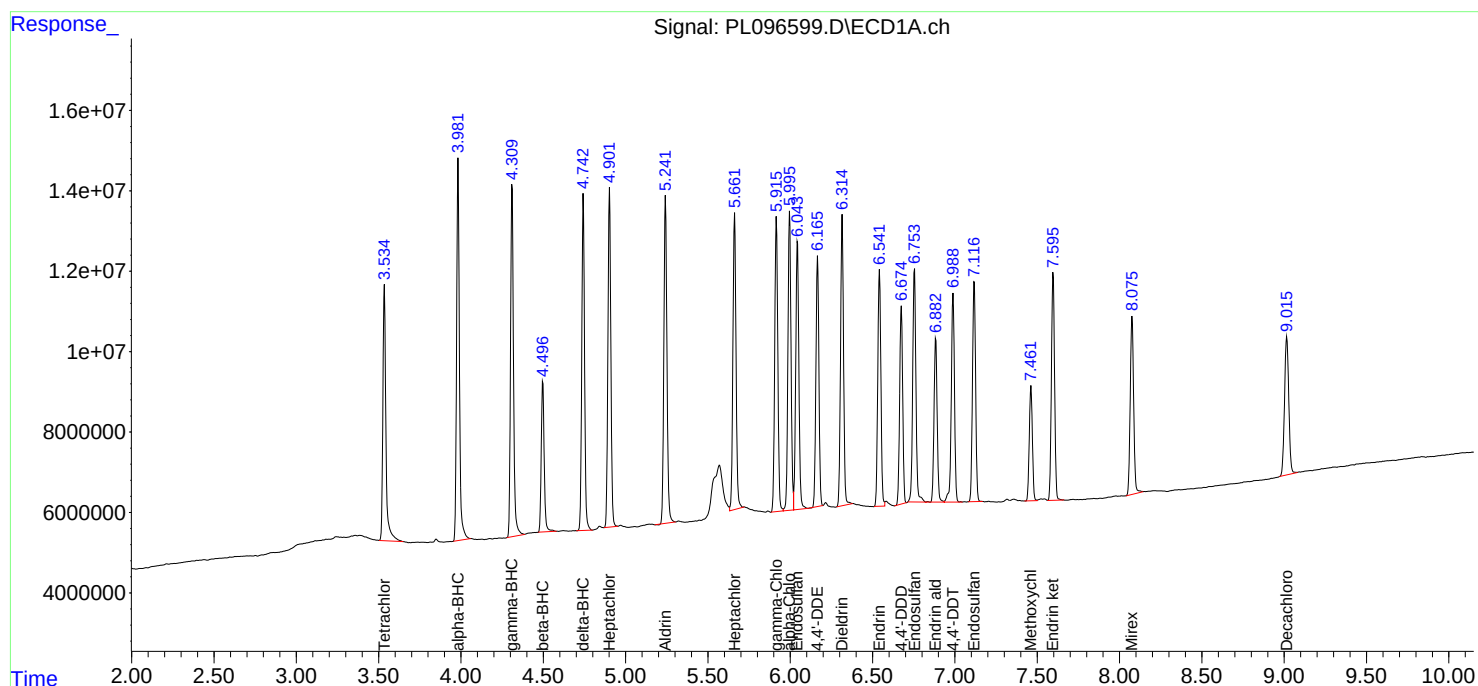
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

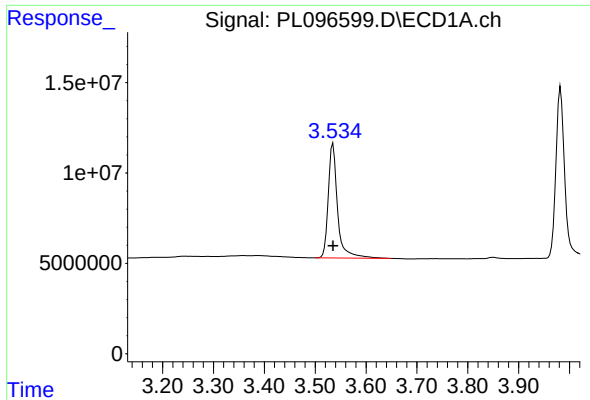
Manual Integrations
APPROVED

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

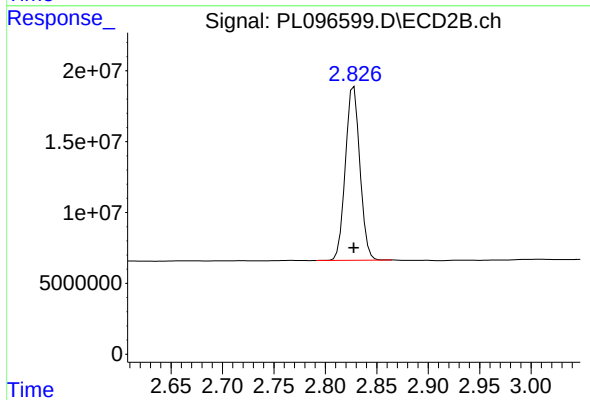
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 80667083
Conc: 25.72 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

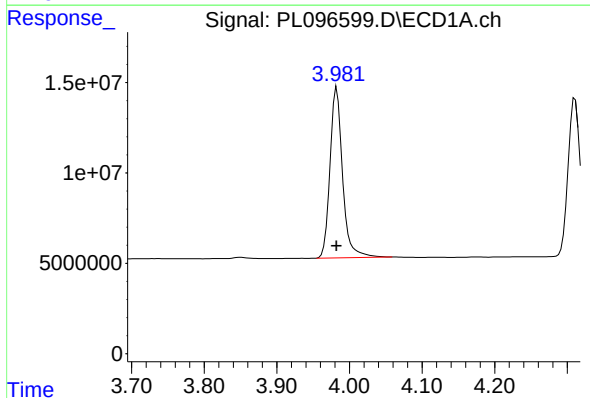
Manual Integrations
APPROVED

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



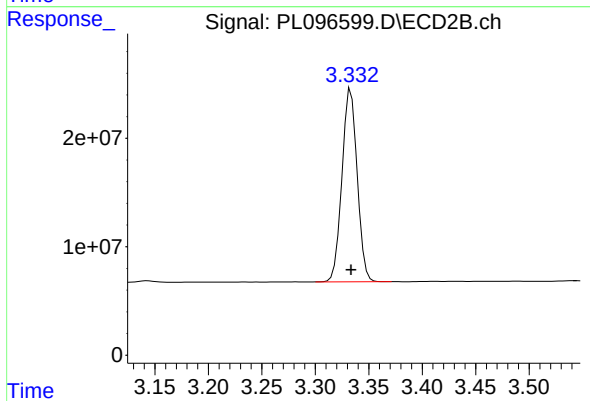
#1 Tetrachloro-m-xylene

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



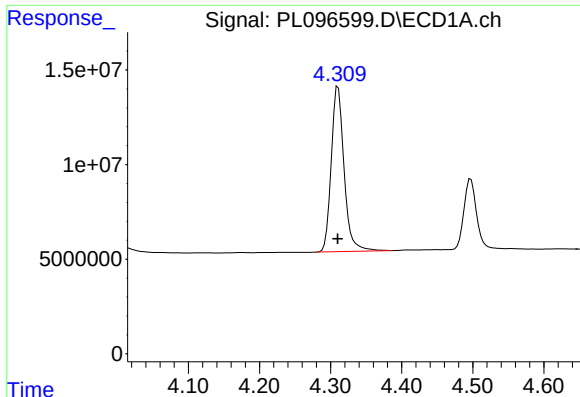
#2 alpha-BHC

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



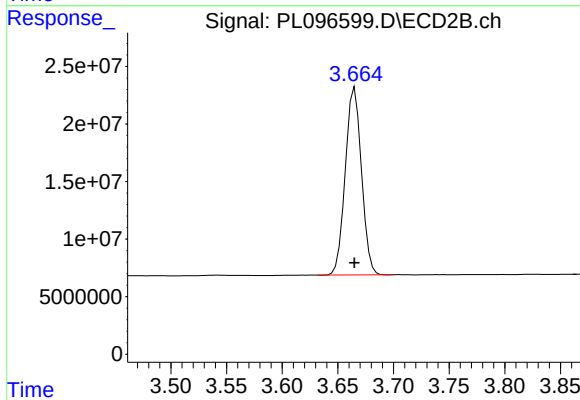
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

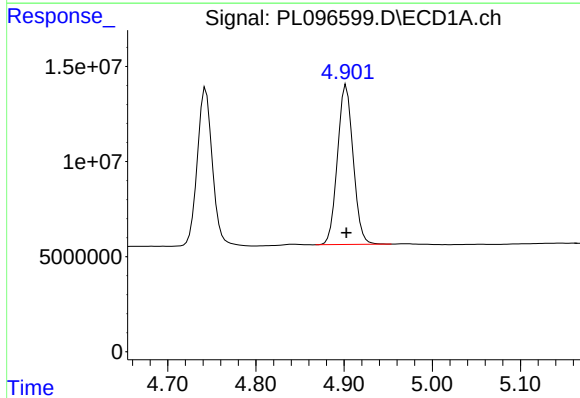
Manual Integrations
APPROVED

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



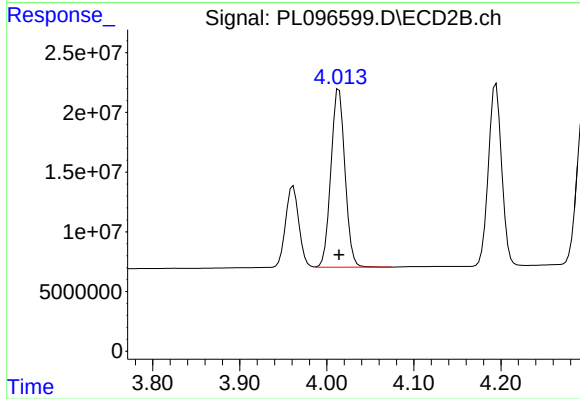
#3 gamma-BHC (Lindane)

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



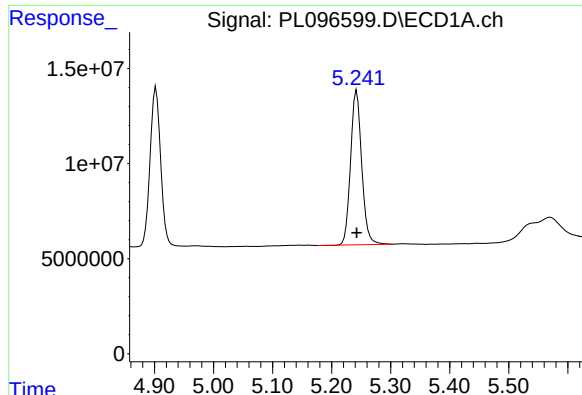
#4 Heptachlor

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



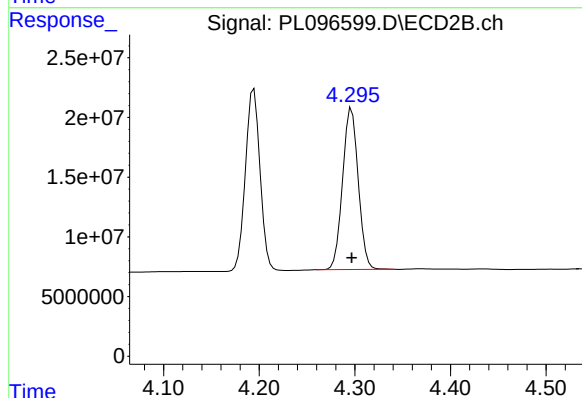
#5 Aldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

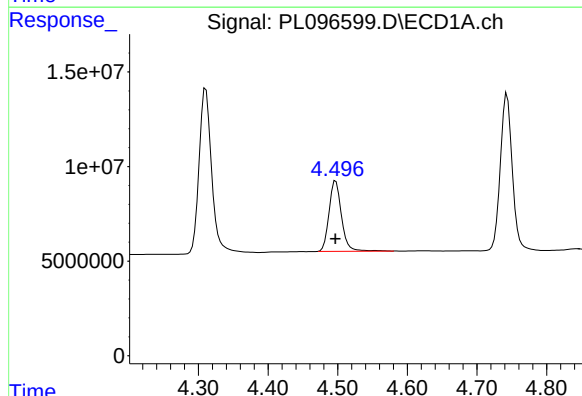
Manual Integrations
APPROVED

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



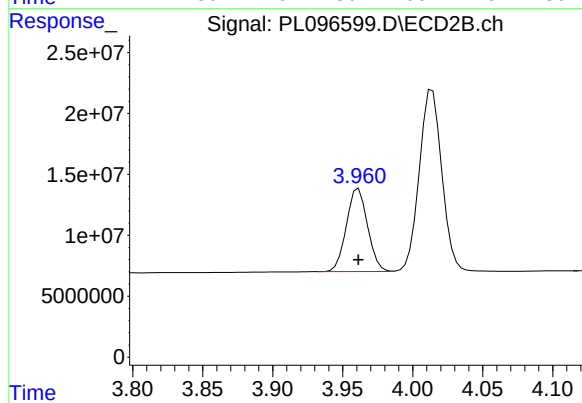
#5 Aldrin

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



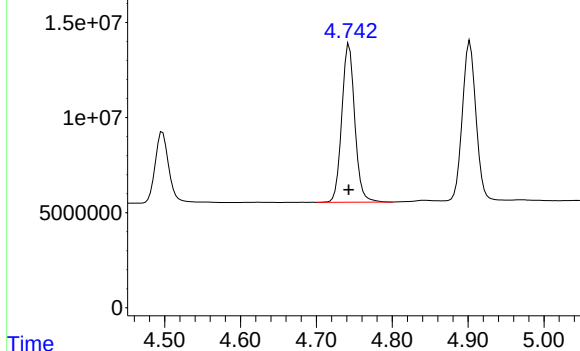
#6 beta-BHC

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
APPROVED

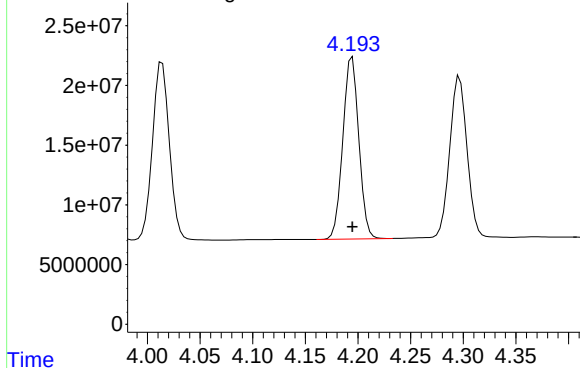
Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025

Time

Response_

Signal: PL096599.D\ECD2B.ch

#7 delta-BHC



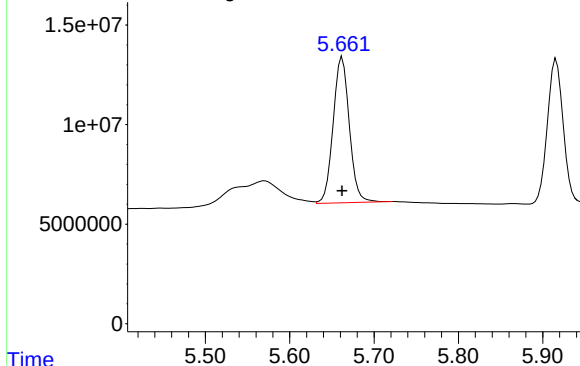
R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 161747114
Conc: 24.90 ng/ml

Time

Response_

Signal: PL096599.D\ECD1A.ch

#8 Heptachlor epoxide



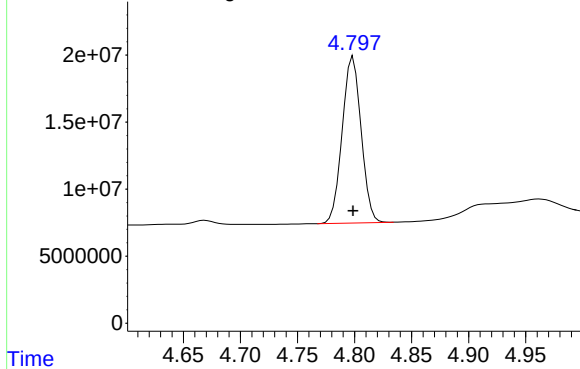
R.T.: 5.662 min
Delta R.T.: 0.000 min
Response: 97796537
Conc: 25.42 ng/ml

Time

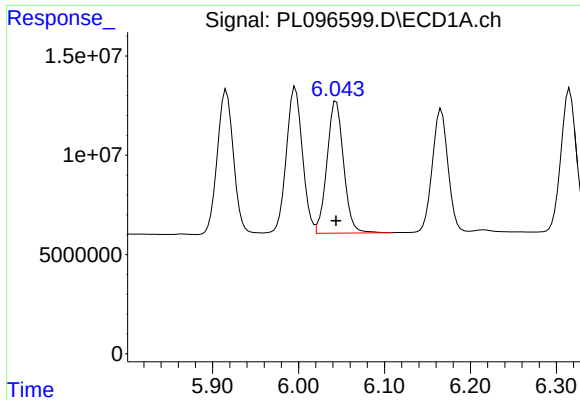
Response_

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

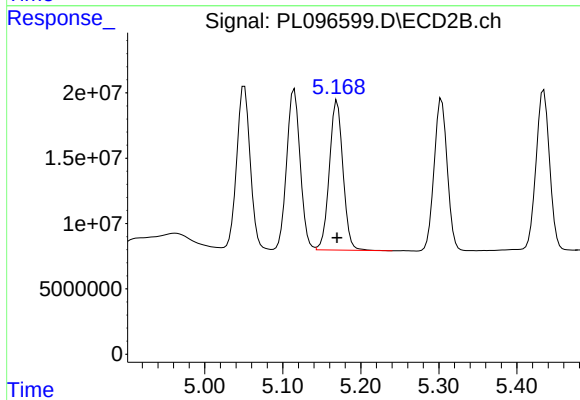
R.T.: 6.044 min
Delta R.T.: 0.000 min
Response: 89274310
Conc: 25.24 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

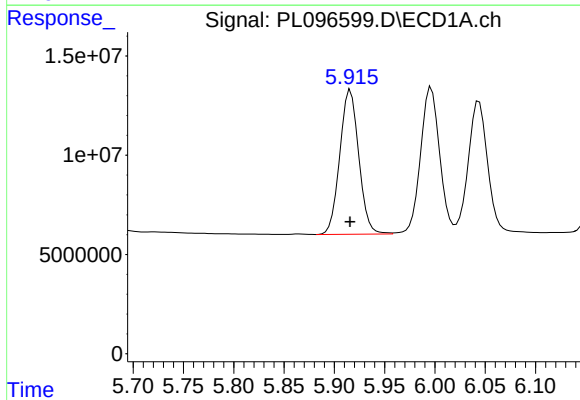
Manual Integrations
APPROVED

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



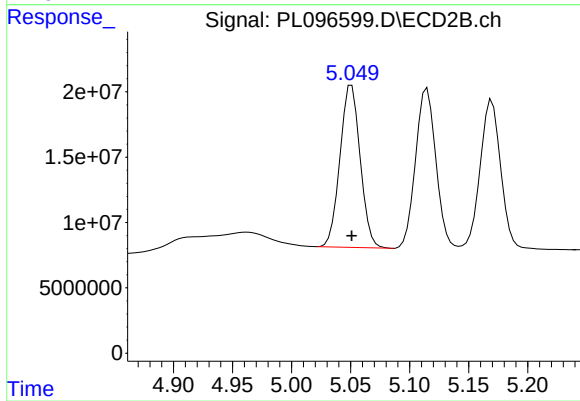
#9 Endosulfan I

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



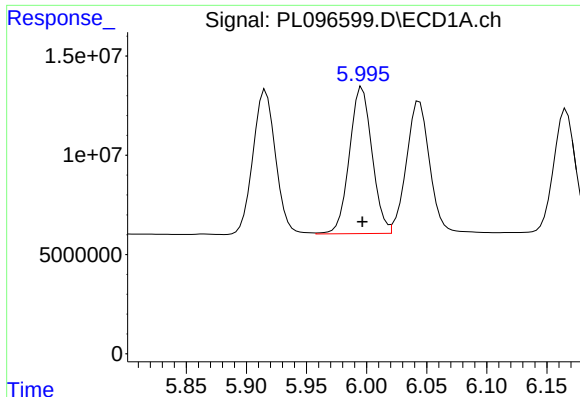
#10 gamma-Chlordane

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



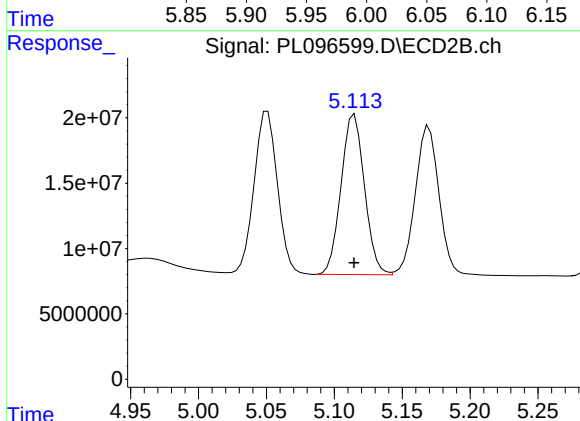
#11 alpha-Chlordane

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

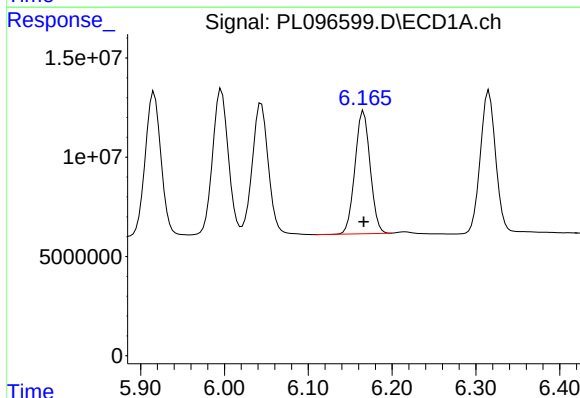
Manual Integrations
APPROVED

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



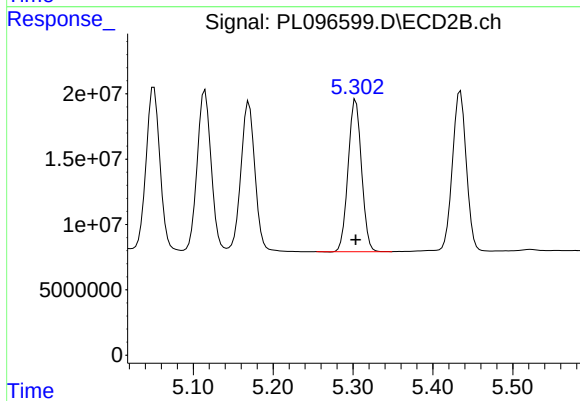
#11 alpha-Chlordane

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



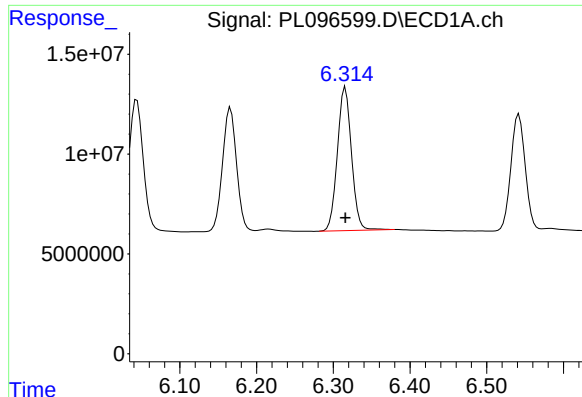
#12 4,4'-DDE

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



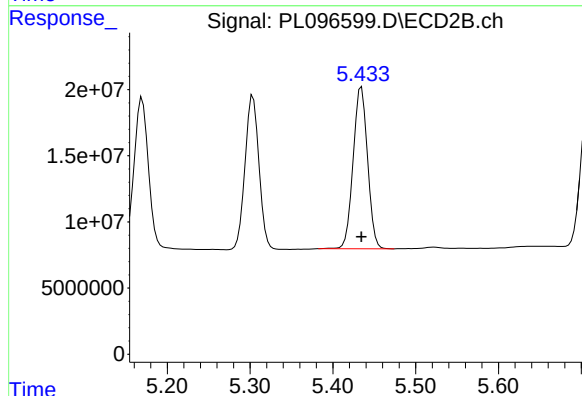
#13 Dieldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

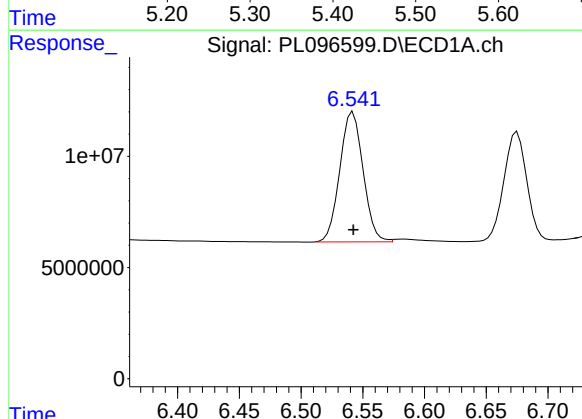
Manual Integrations
APPROVED

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



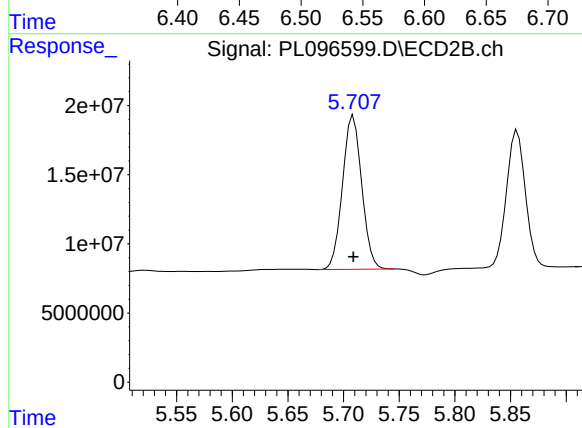
#13 Dieldrin

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



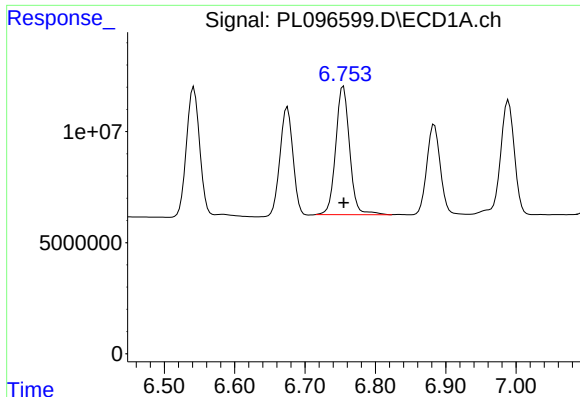
#14 Endrin

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



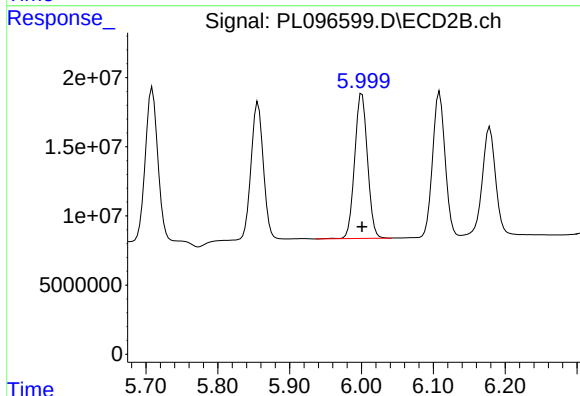
#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

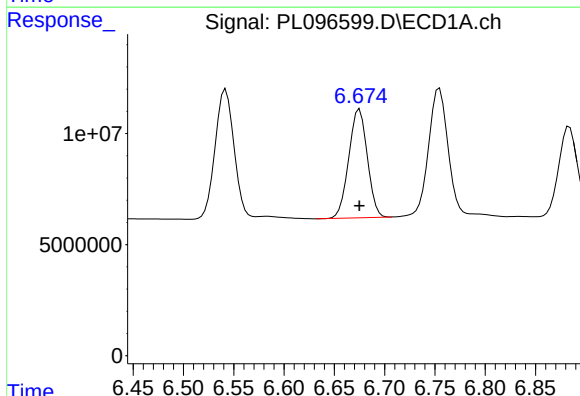
Manual Integrations
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Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



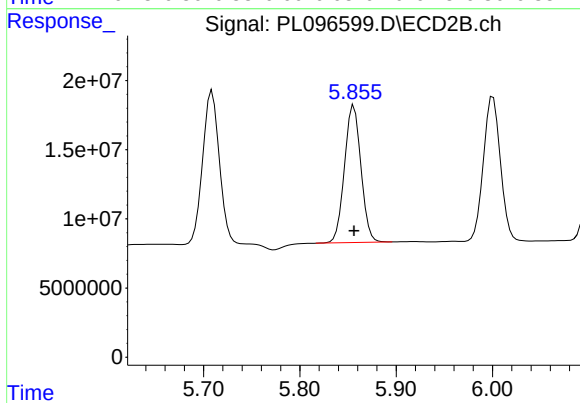
#15 Endosulfan II

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



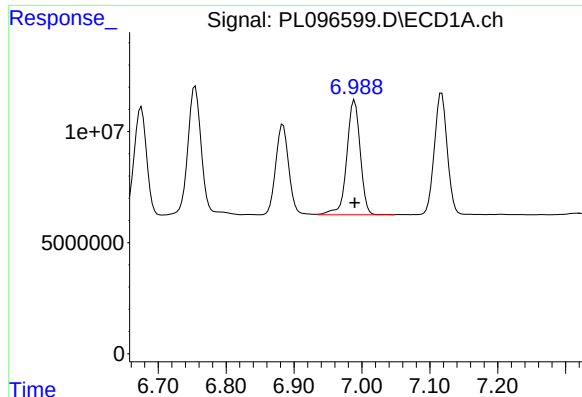
#16 4,4'-DDD

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



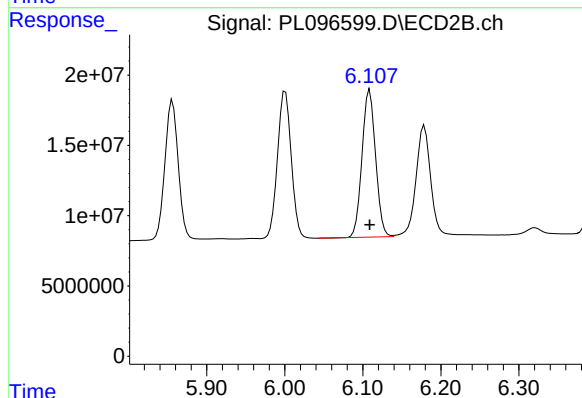
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

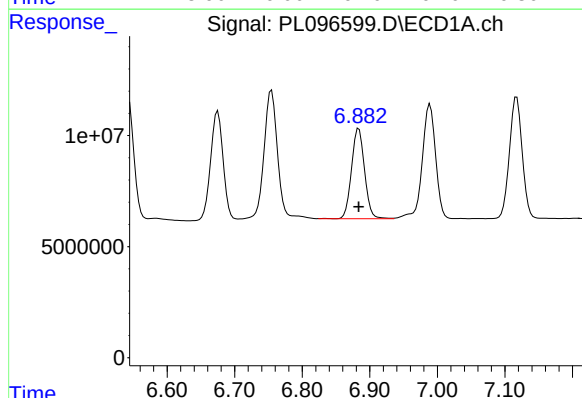
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Supervised By :mohammad ahmed 07/30/2025



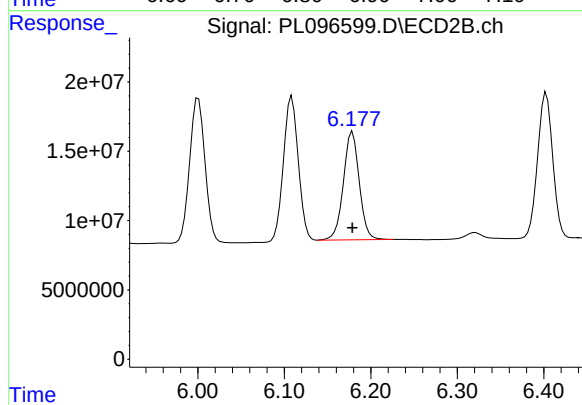
#17 4,4'-DDT

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



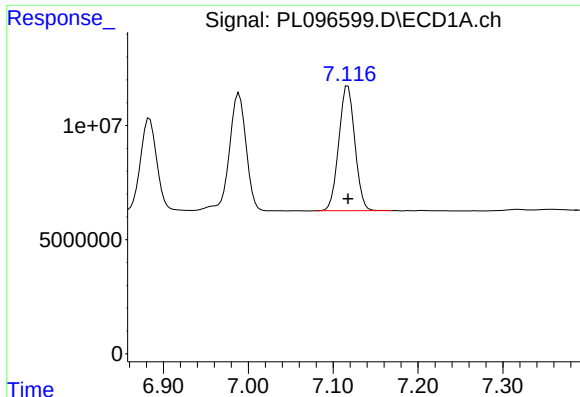
#18 Endrin aldehyde

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

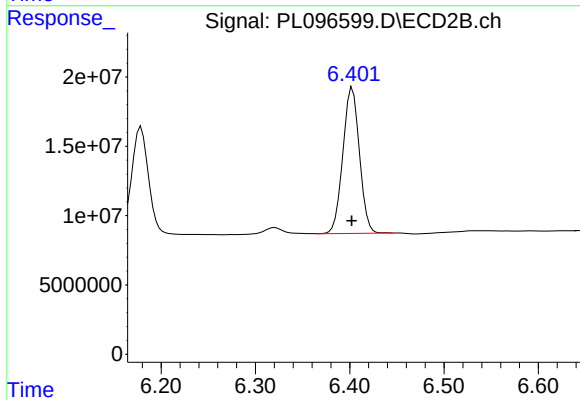
R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 71756969
Conc: 25.16 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

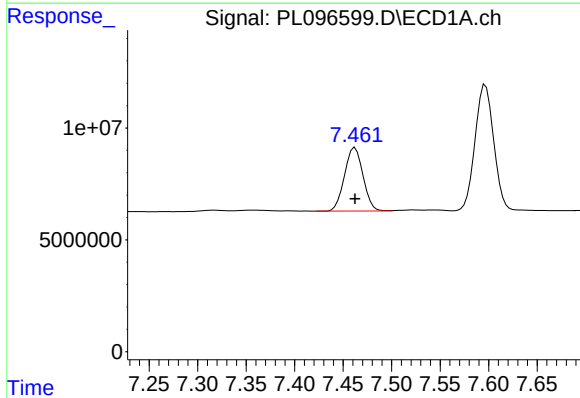
Manual Integrations
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Supervised By :mohammad ahmed 07/30/2025



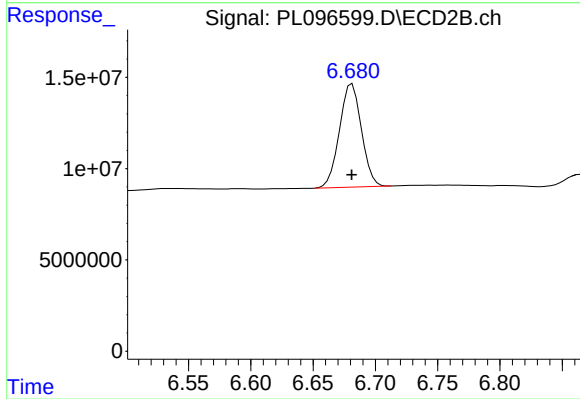
#19 Endosulfan Sulfate

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



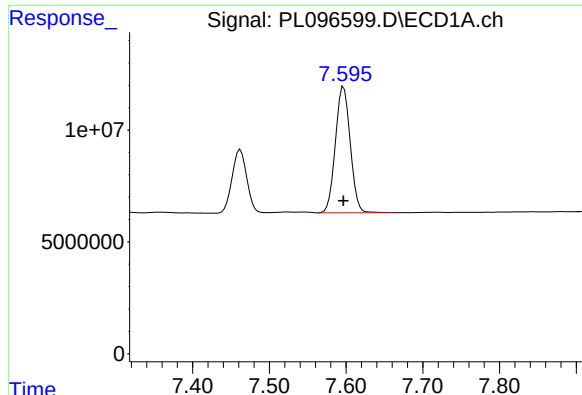
#20 Methoxychlor

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



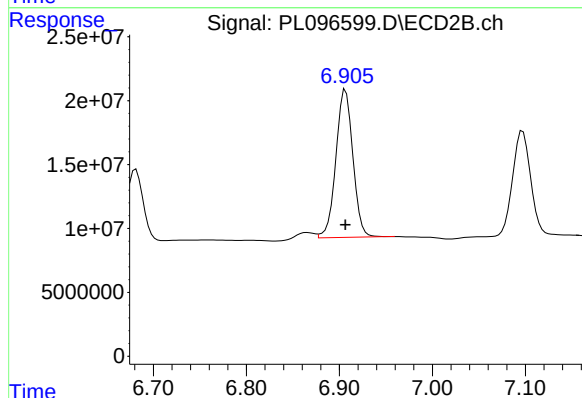
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

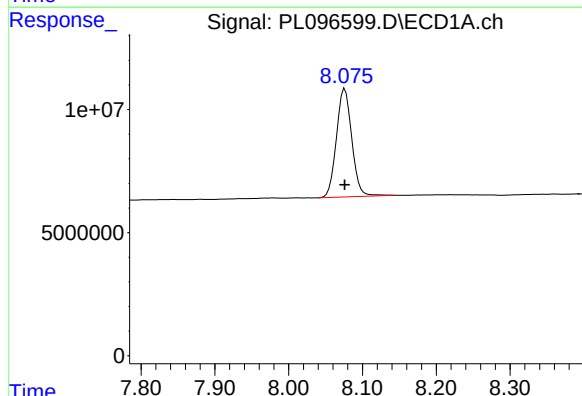
Manual Integrations
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Supervised By :mohammad ahmed 07/30/2025



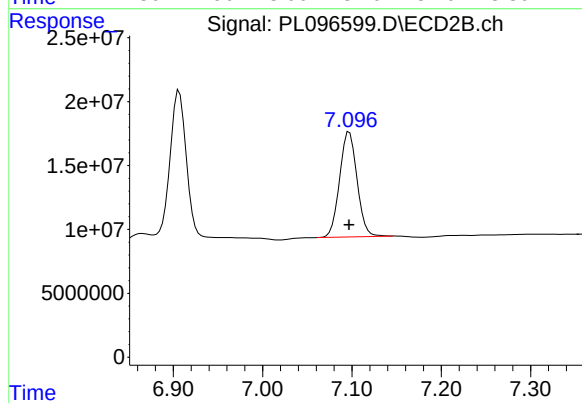
#21 Endrin ketone

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



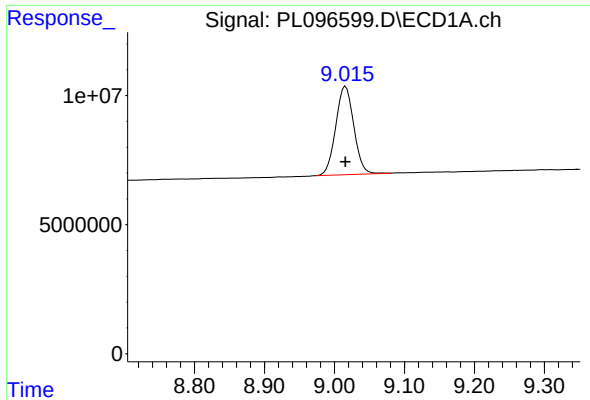
#22 Mirex

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



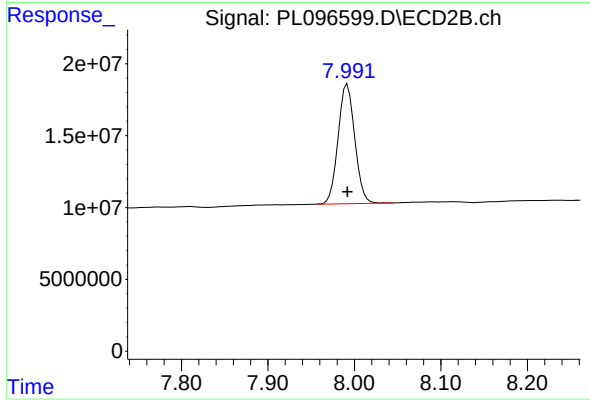
#28 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations
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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

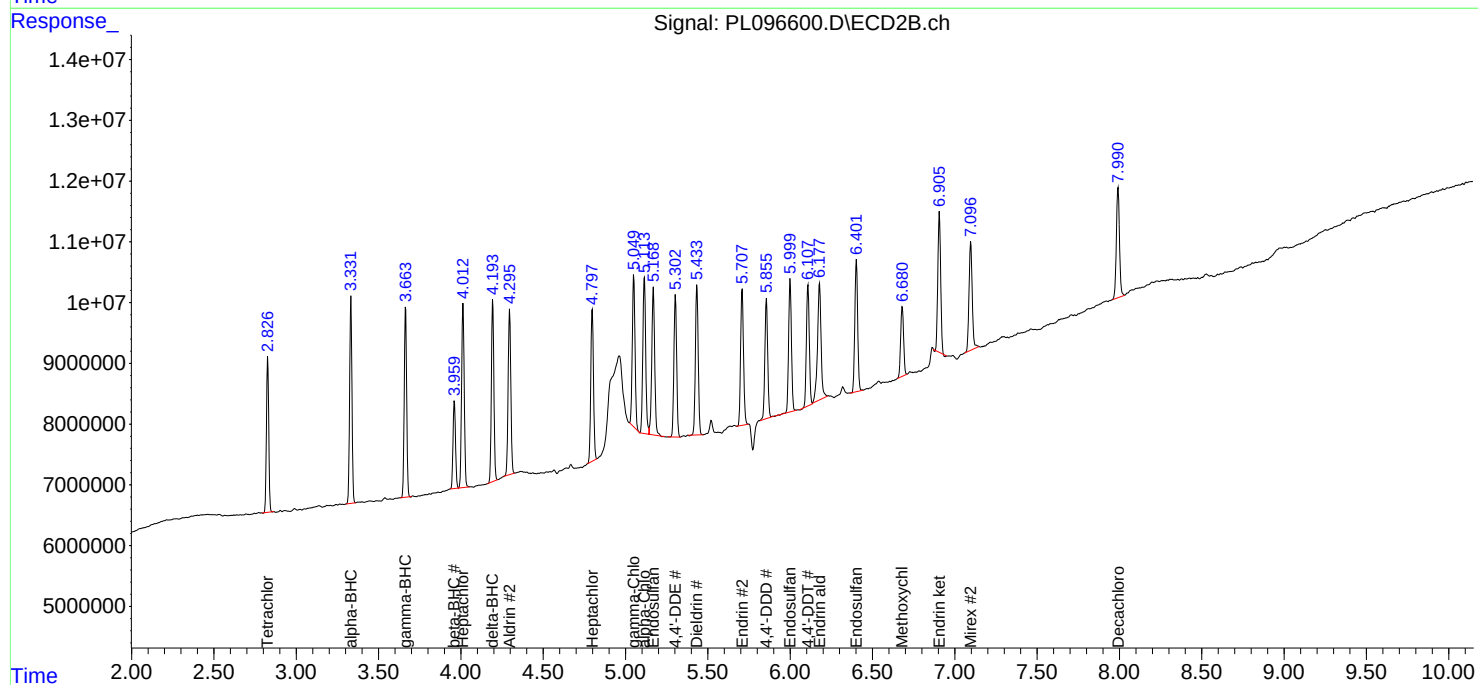
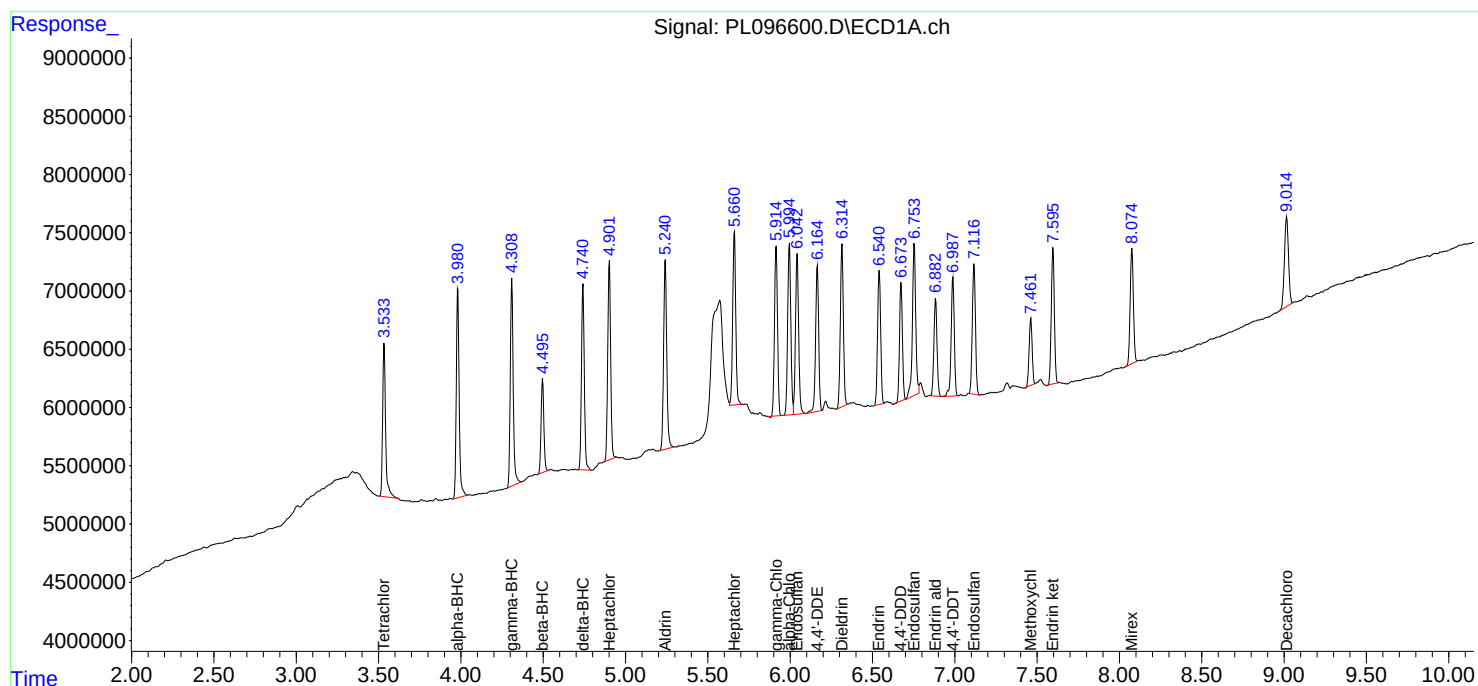
APPROVED

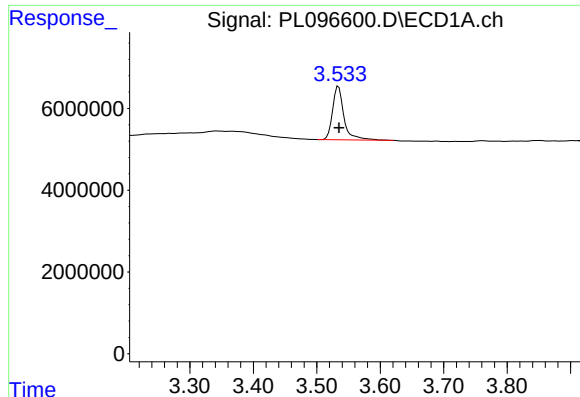
Reviewed By :Abdul Mirza 07/29/2025

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





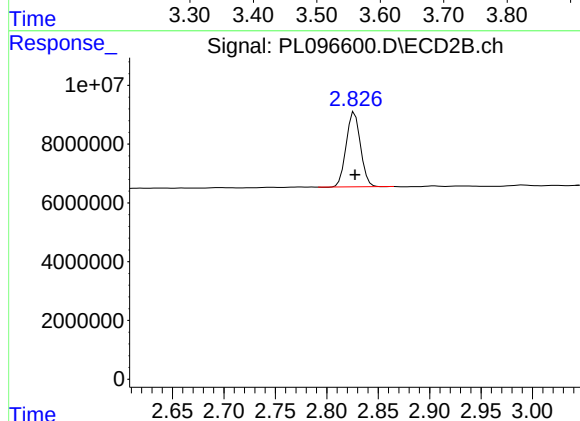
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

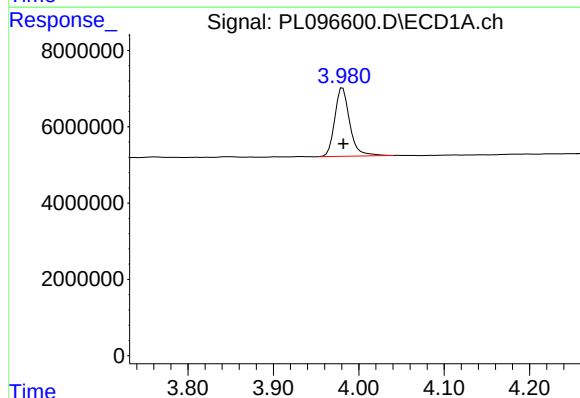
Manual Integrations
APPROVED

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



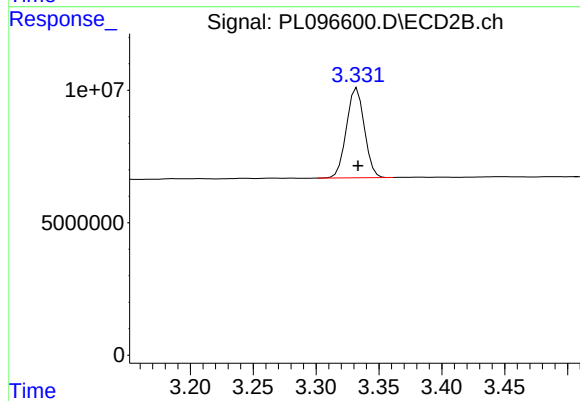
#1 Tetrachloro-m-xylene

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



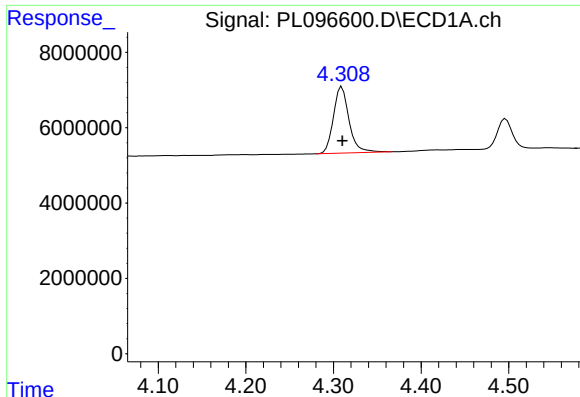
#2 alpha-BHC

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)

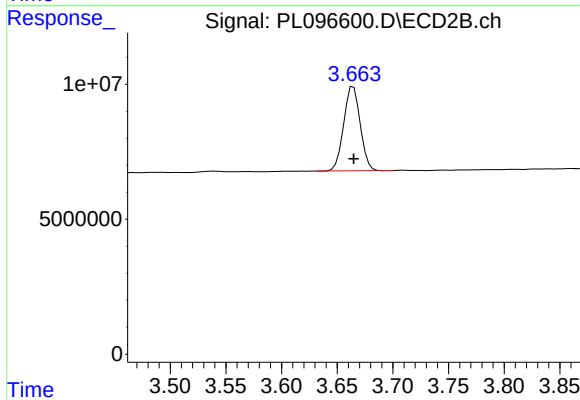
R.T.: 4.310 min
Delta R.T.: 0.000 min
Response: 21804234
Conc: 4.97 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

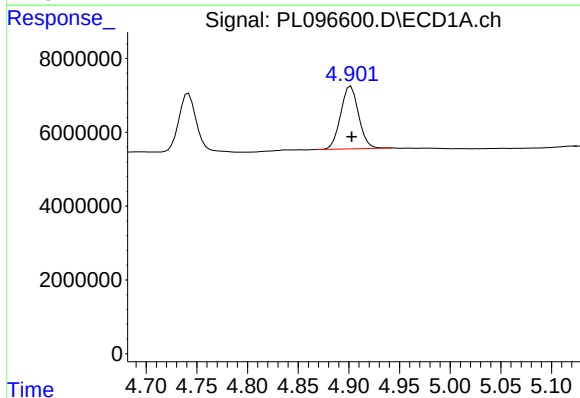
Manual Integrations
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Supervised By :mohammad ahmed 07/30/2025



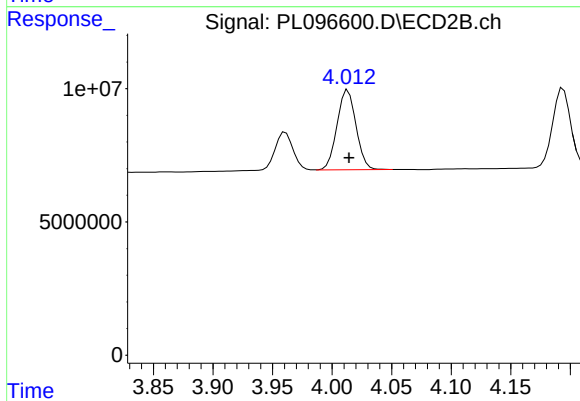
#3 gamma-BHC (Lindane)

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



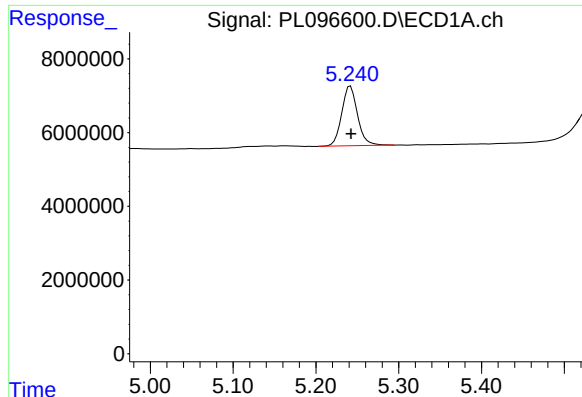
#4 Heptachlor

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



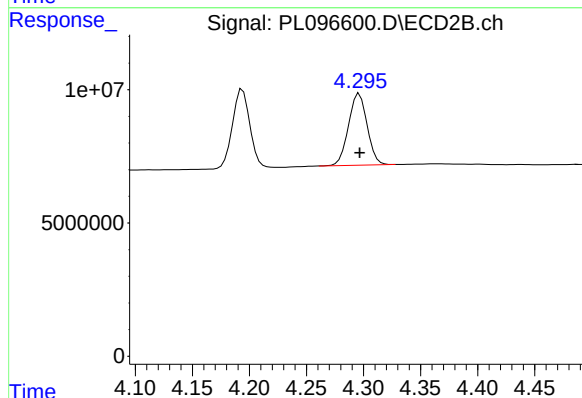
#5 Aldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

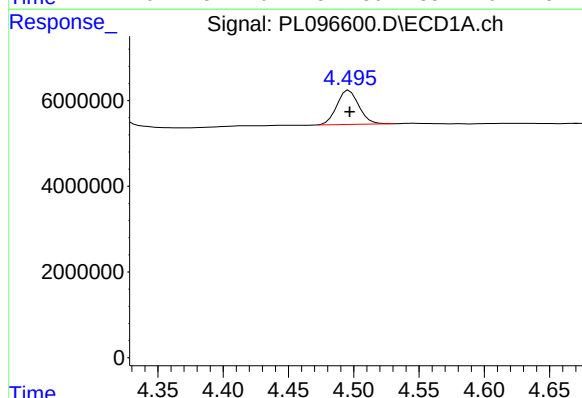
Manual Integrations
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Supervised By :mohammad ahmed 07/30/2025



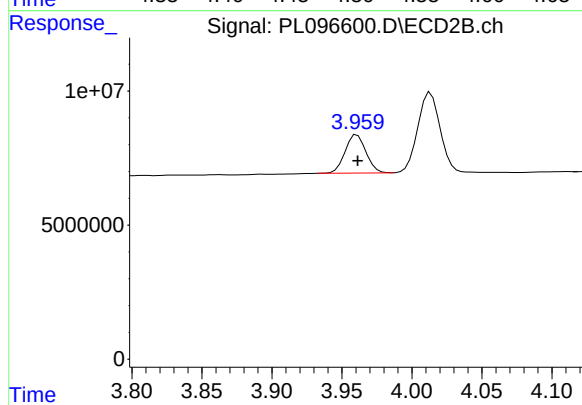
#5 Aldrin

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



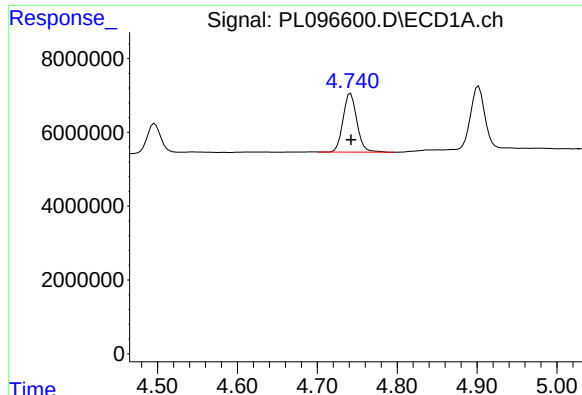
#6 beta-BHC

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



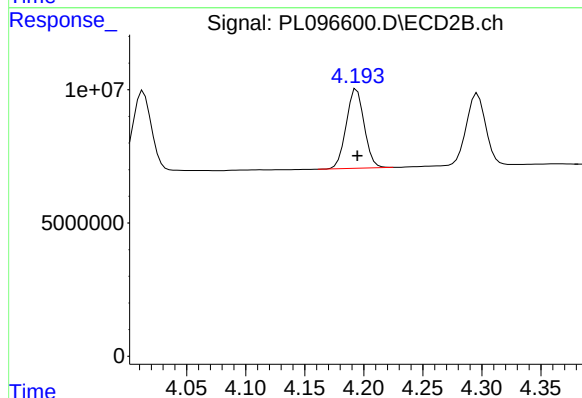
#7 delta-BHC

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

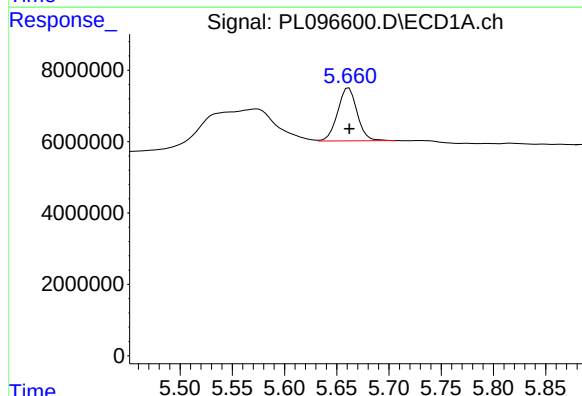
Manual Integrations
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Supervised By :mohammad ahmed 07/30/2025



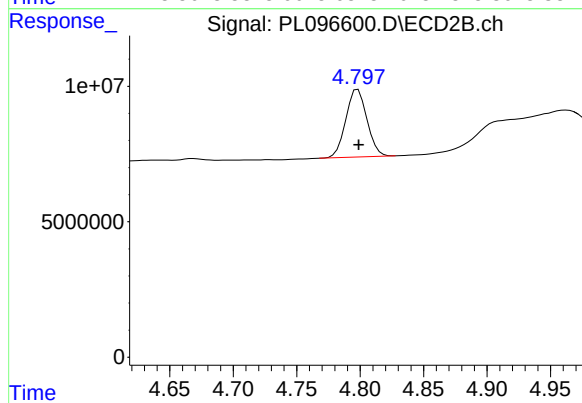
#7 delta-BHC

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



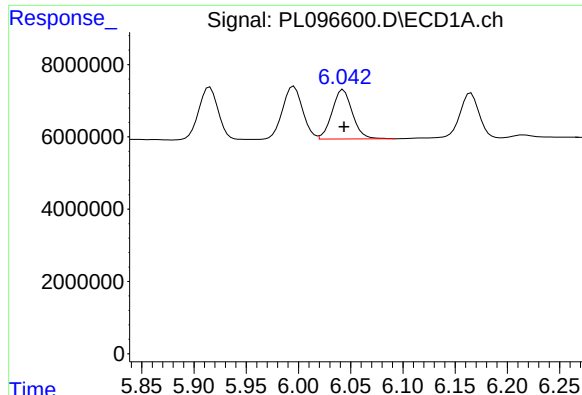
#8 Heptachlor epoxide

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



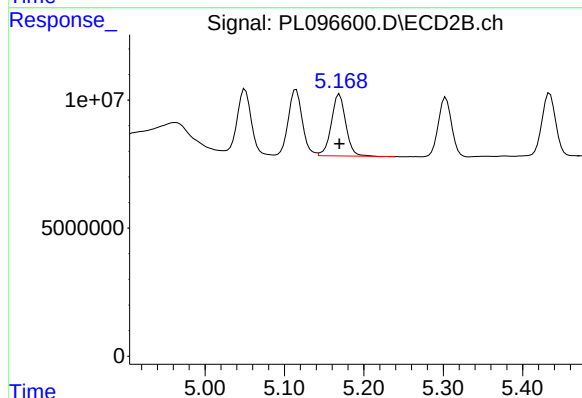
#9 Endosulfan I

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

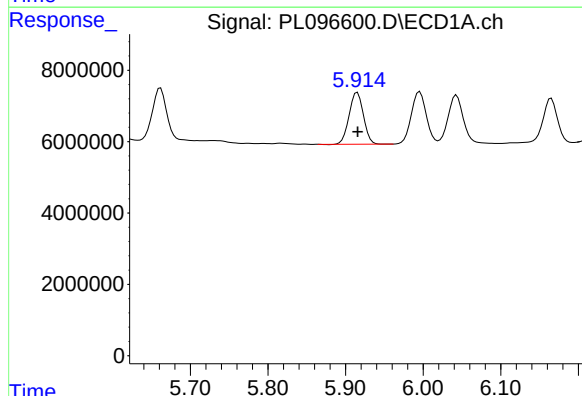
Manual Integrations
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Reviewed By :Abdul Mirza 07/29/2025
Supervised By :mohammad ahmed 07/30/2025



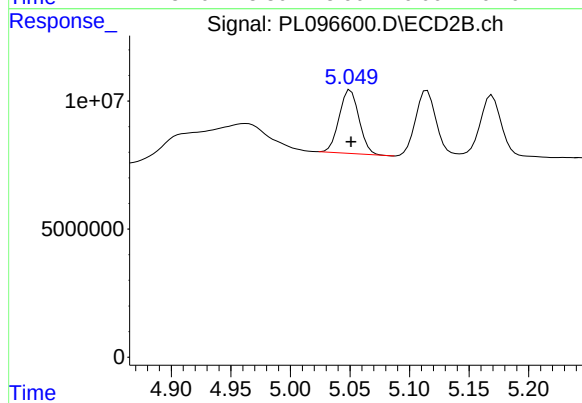
#9 Endosulfan I

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



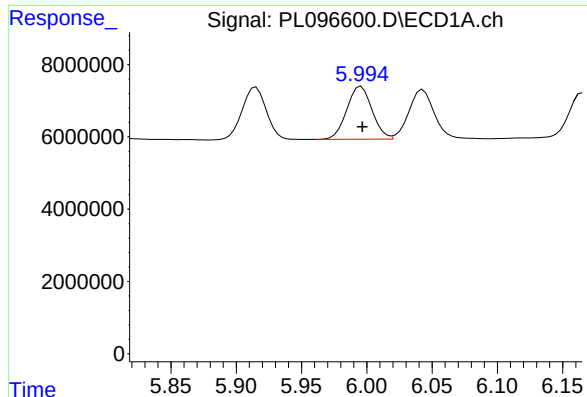
#10 gamma-Chlordane

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



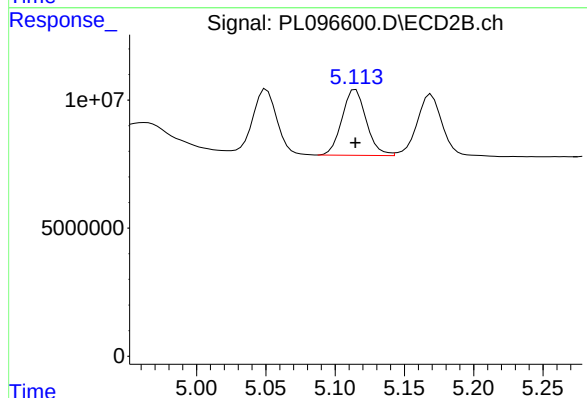
#11 alpha-Chlordane

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

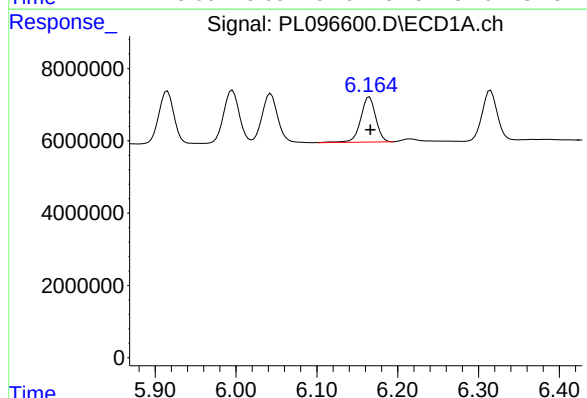
Manual Integrations
APPROVED

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



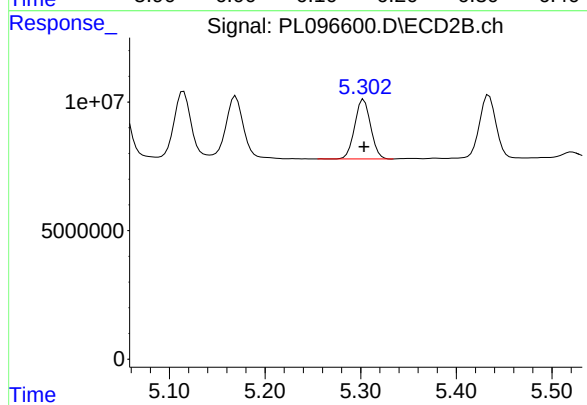
#11 alpha-Chlordane

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



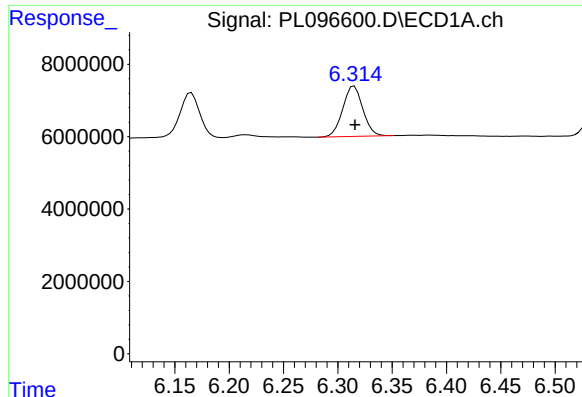
#12 4,4'-DDE

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



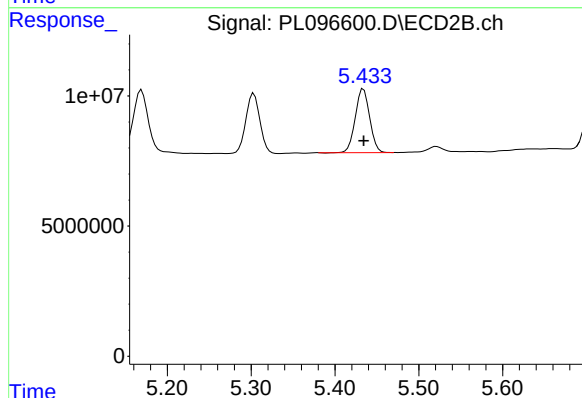
#13 Dieldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

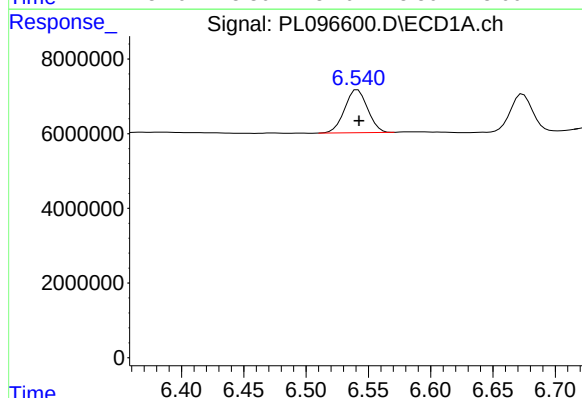
Manual Integrations
APPROVED

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



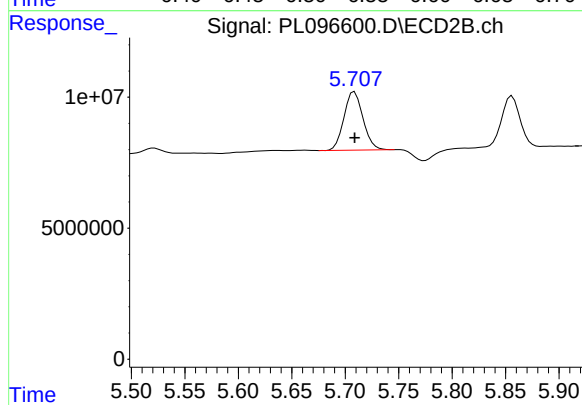
#13 Dieldrin

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



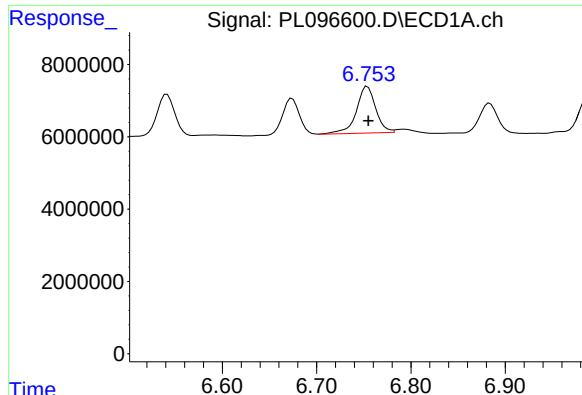
#14 Endrin

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



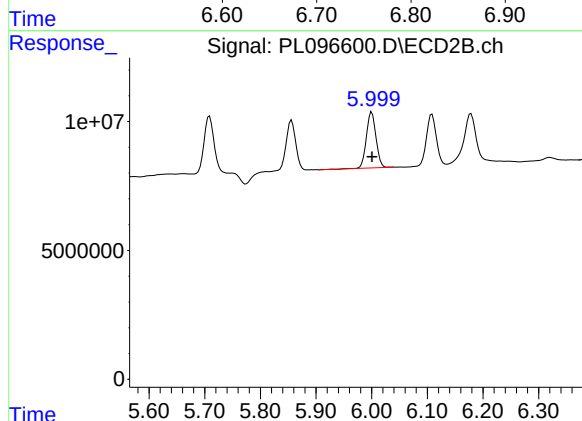
#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

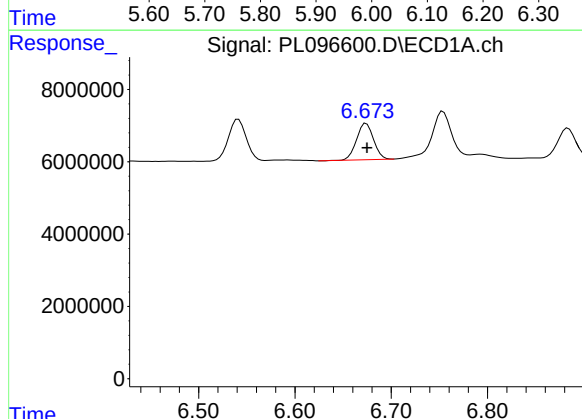
Manual Integrations
APPROVED

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



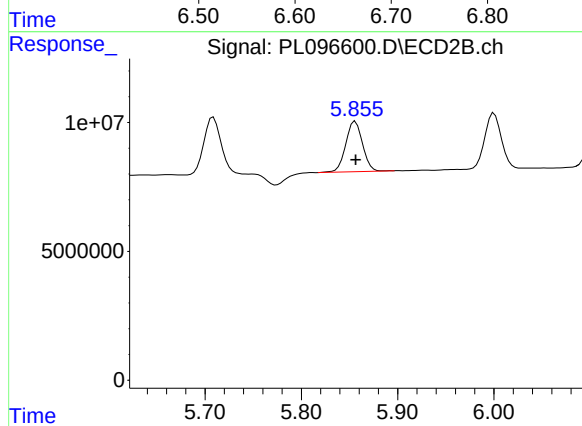
#15 Endosulfan II

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



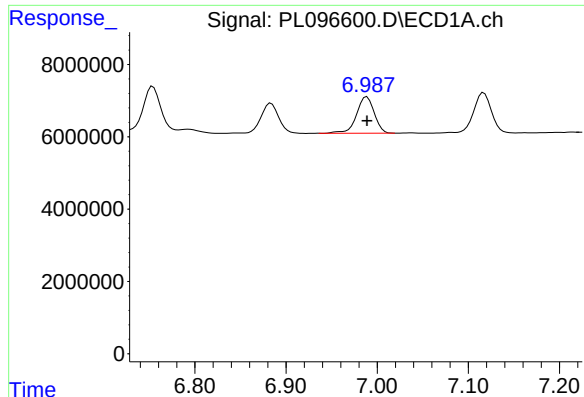
#16 4,4'-DDD

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



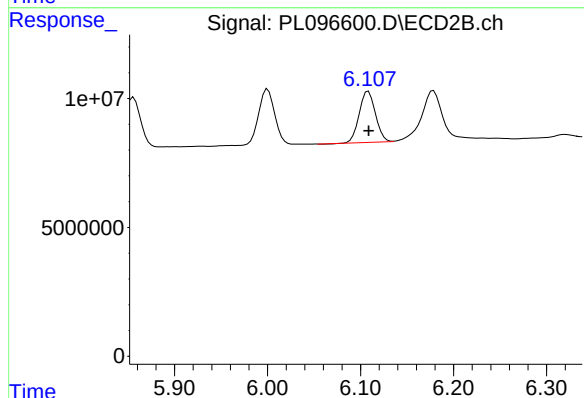
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

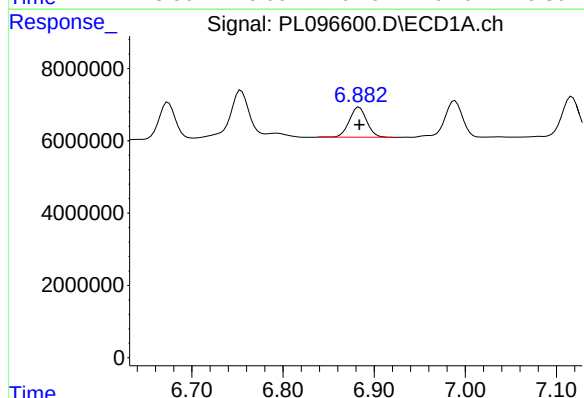
Manual Integrations
APPROVED

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



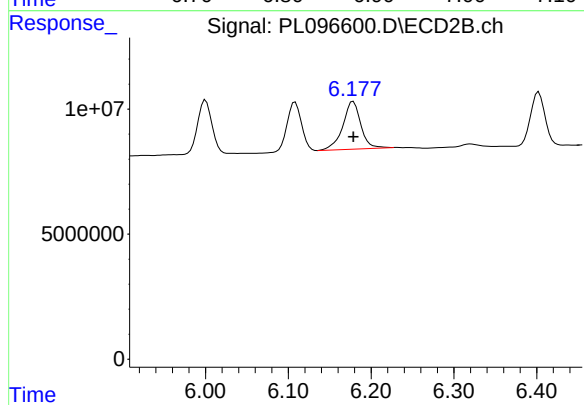
#17 4,4'-DDT

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



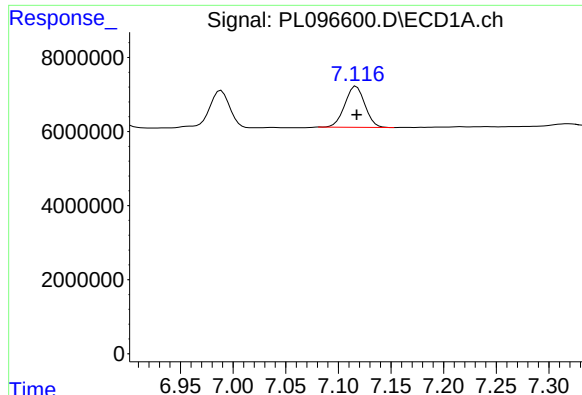
#18 Endrin aldehyde

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



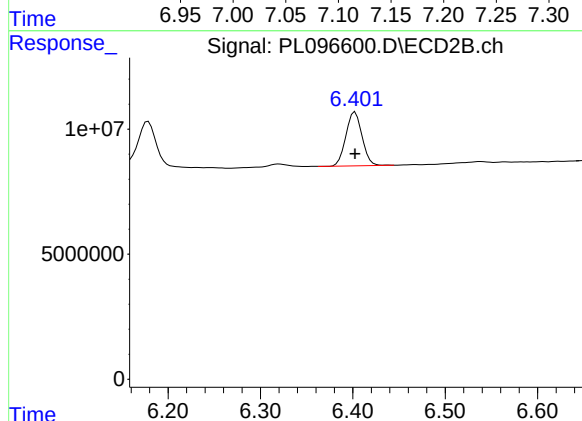
#19 Endosulfan Sulfate

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

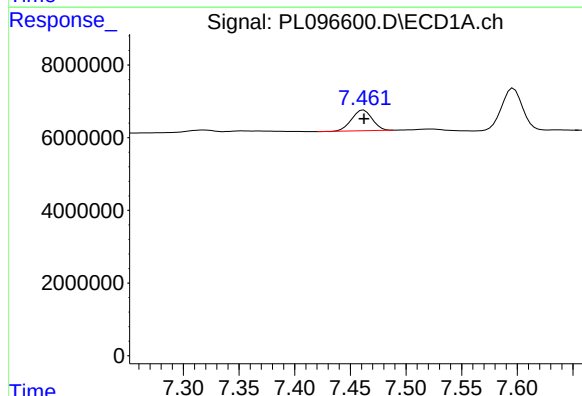
Manual Integrations
APPROVED

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



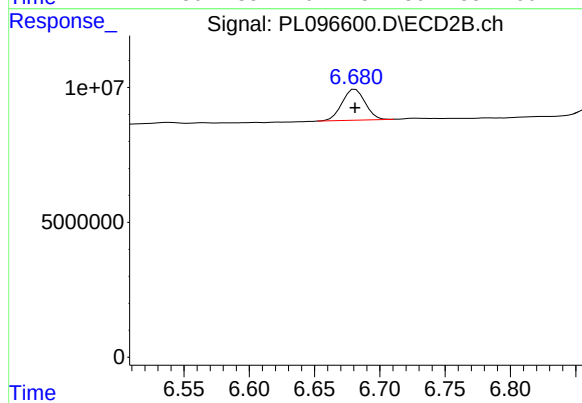
#19 Endosulfan Sulfate

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



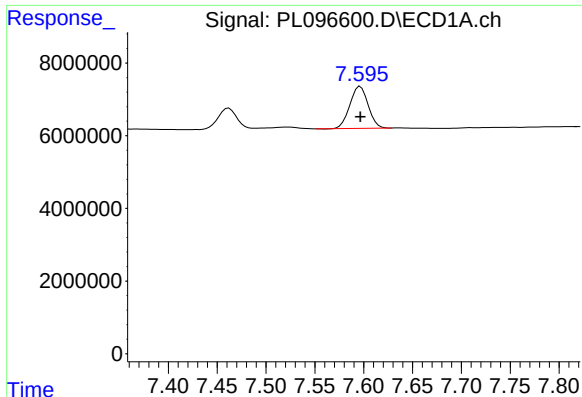
#20 Methoxychlor

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

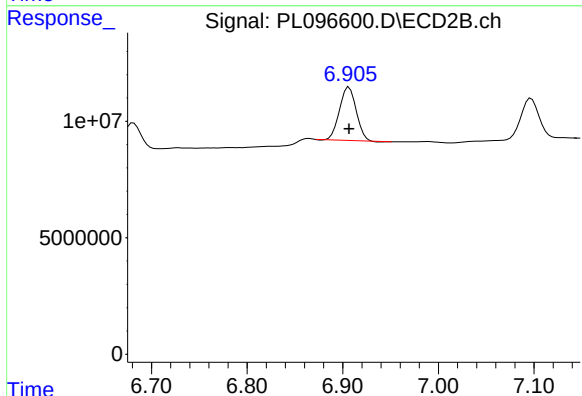
R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 15006830
Conc: 5.00 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

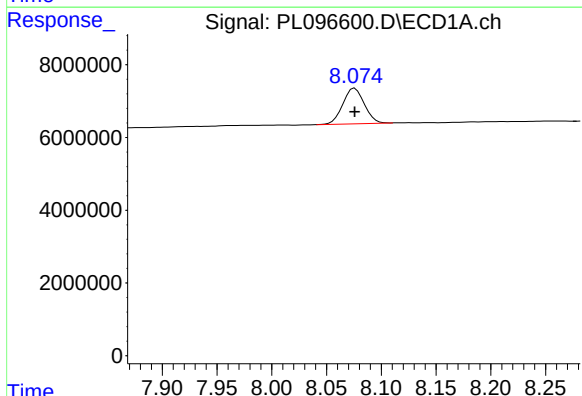
Manual Integrations
APPROVED

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



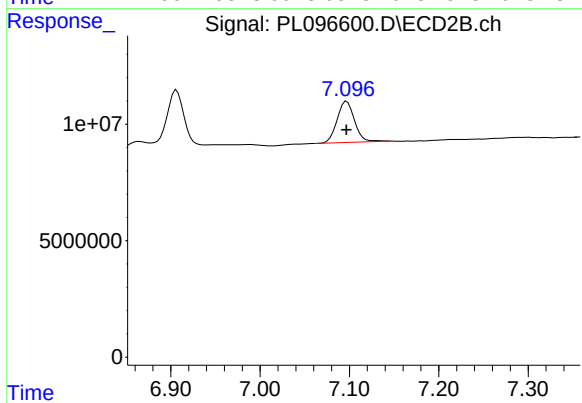
#21 Endrin ketone

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



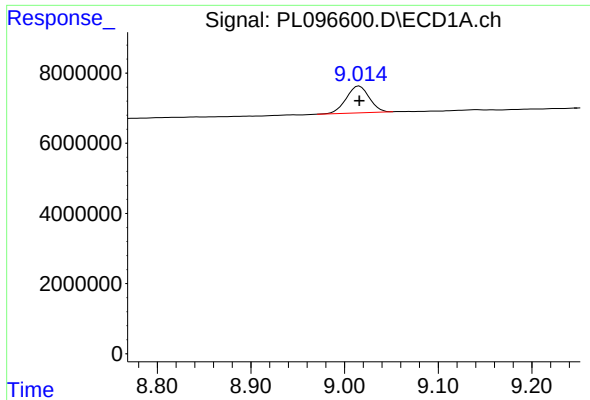
#22 Mirex

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 :

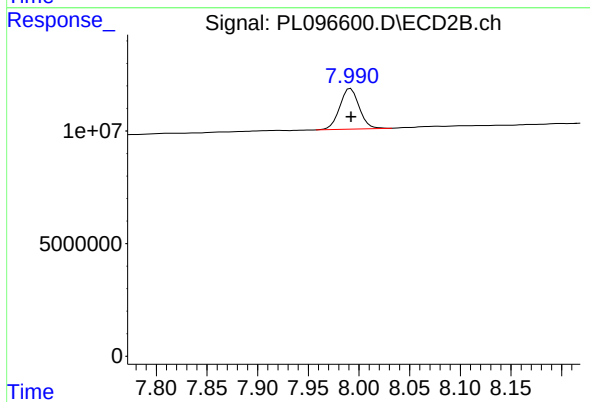
PSTDICC005

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

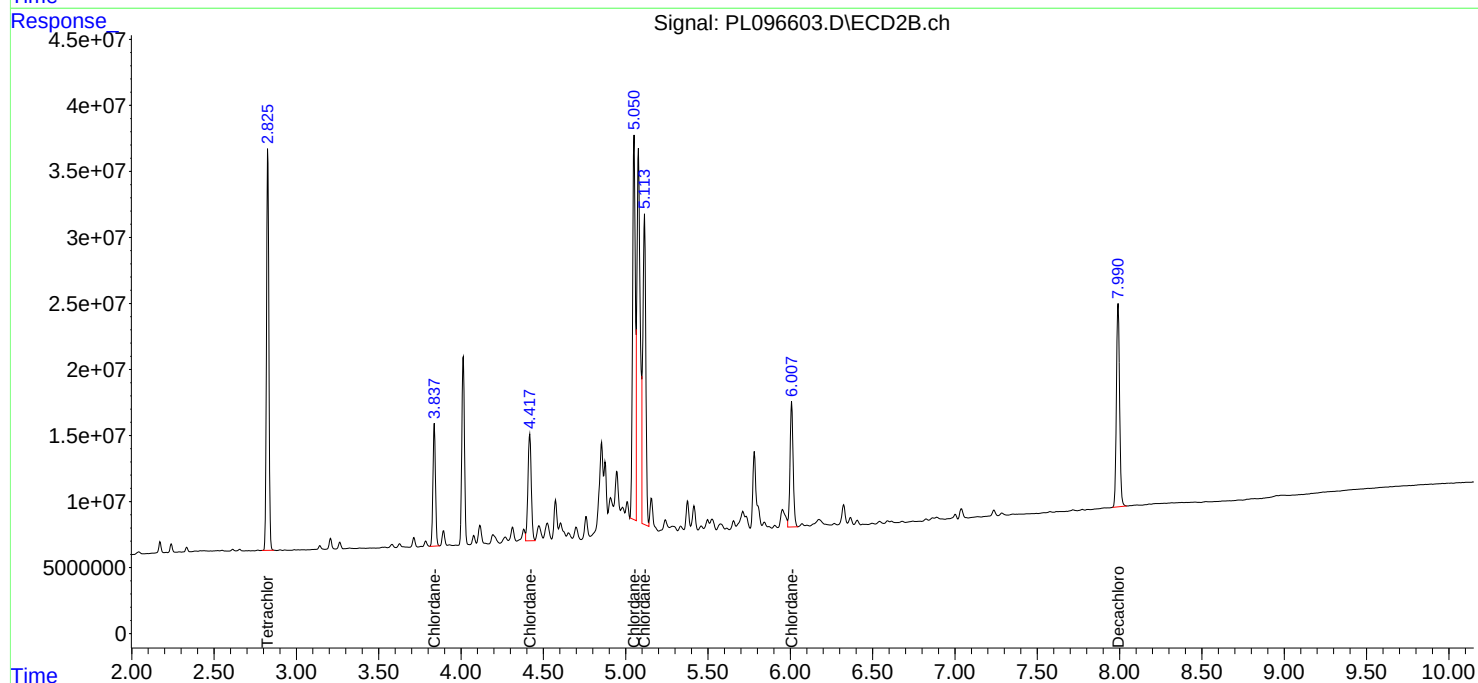
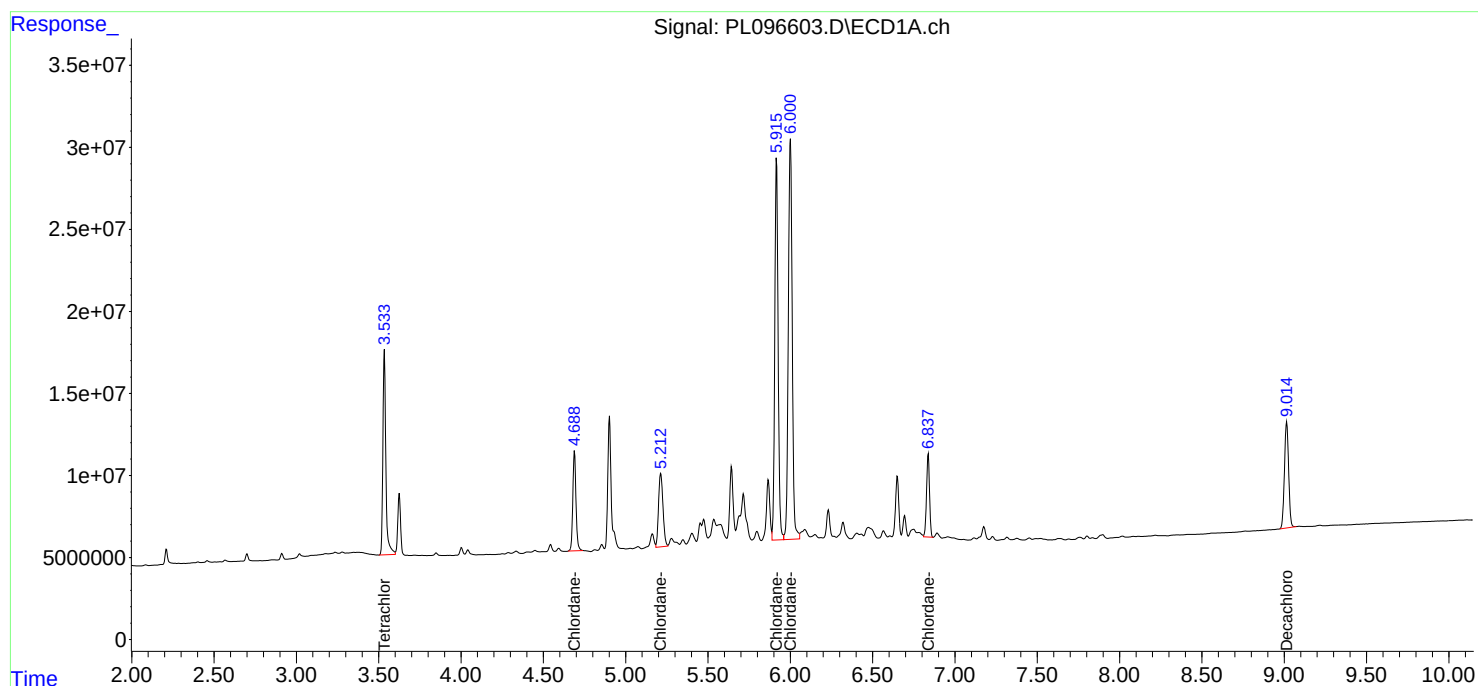
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

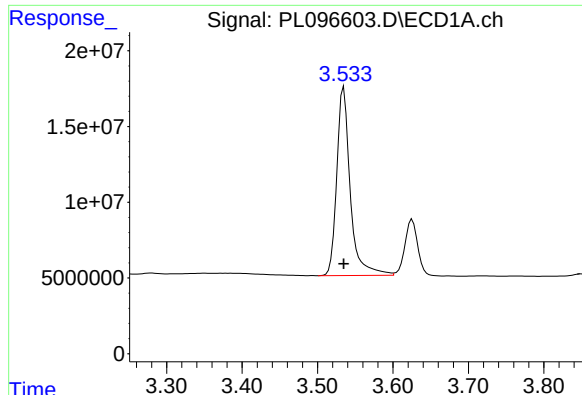
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 18:27
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

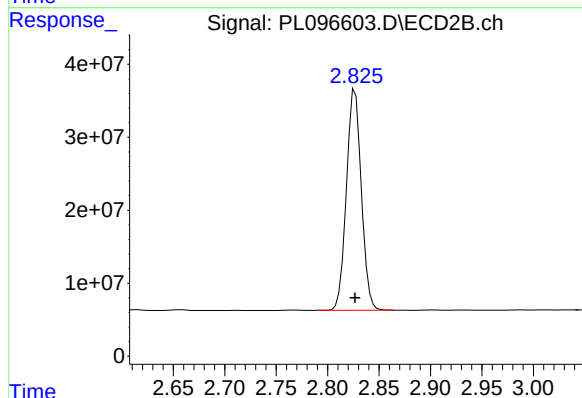




#1 Tetrachloro-m-xylene

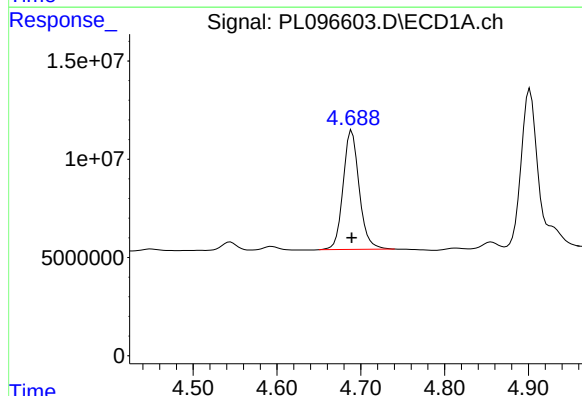
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 154680305
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



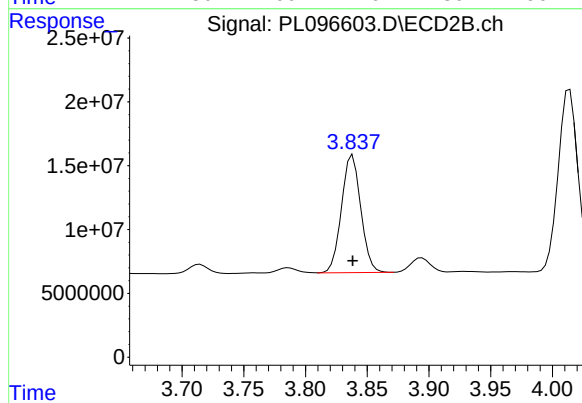
#1 Tetrachloro-m-xylene

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



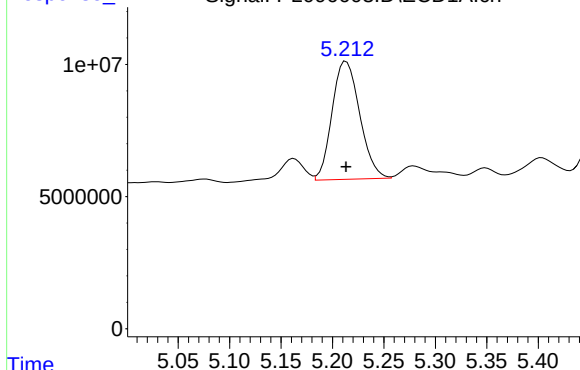
#23 Chlordane-1

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

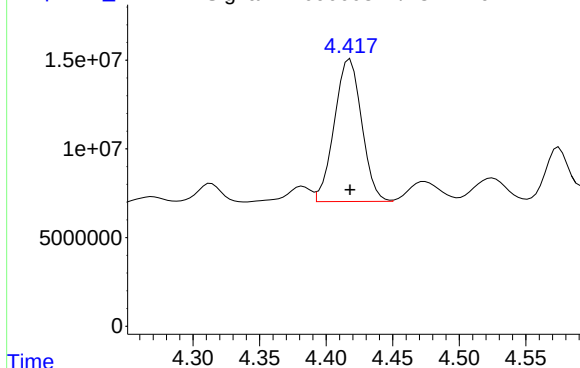
Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Time

Response_

Signal: PL096603.D\ECD2B.ch

#24 Chlordane-2



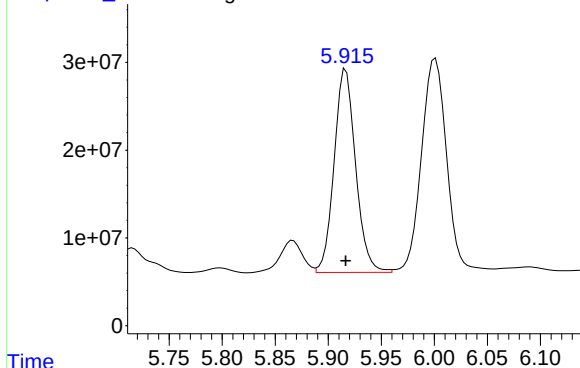
R.T.: 4.418 min
Delta R.T.: 0.000 min
Response: 115003204
Conc: 500.00 ng/ml

Time

Response_

Signal: PL096603.D\ECD1A.ch

#25 Chlordane-3



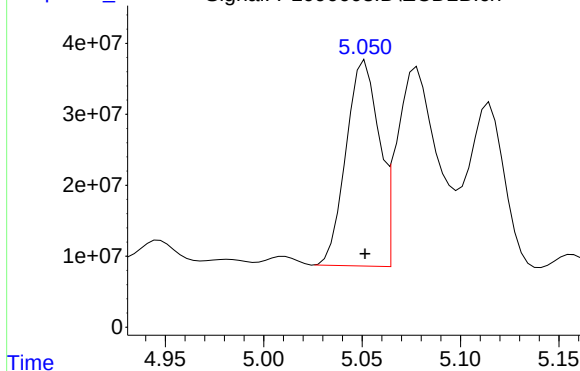
R.T.: 5.917 min
Delta R.T.: 0.000 min
Response: 326513783
Conc: 500.00 ng/ml

Time

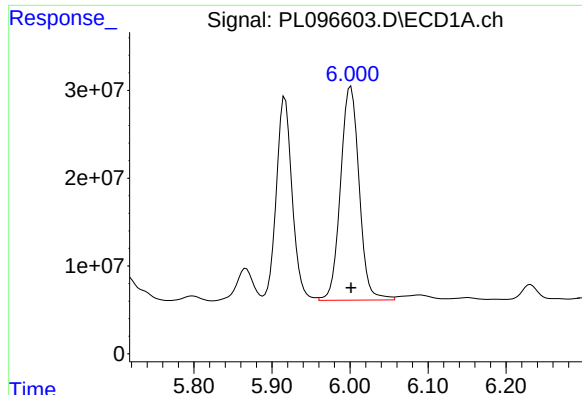
Response_

Signal: PL096603.D\ECD2B.ch

#25 Chlordane-3



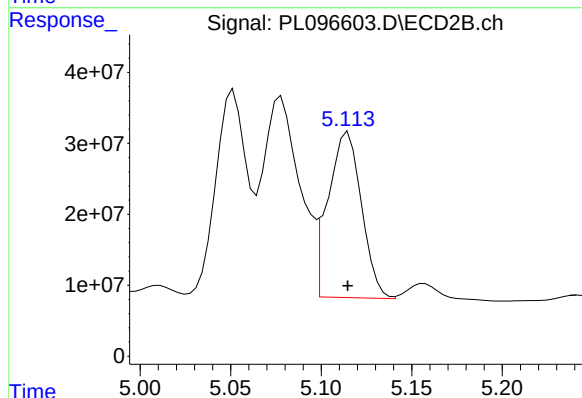
R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 336093734
Conc: 500.00 ng/ml



#26 Chlordane-4

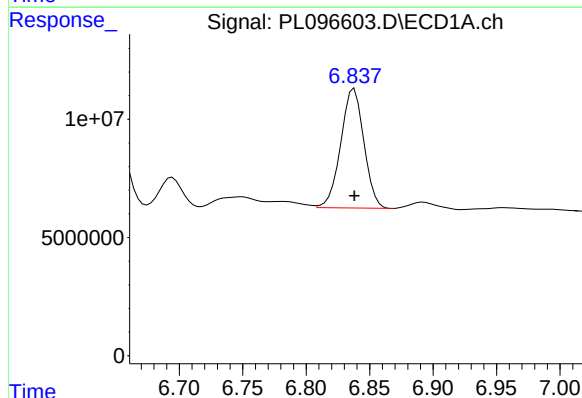
R.T.: 6.001 min
Delta R.T.: 0.000 min
Response: 403531433
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



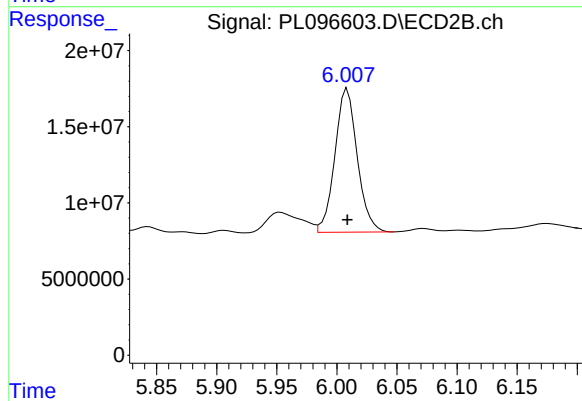
#26 Chlordane-4

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



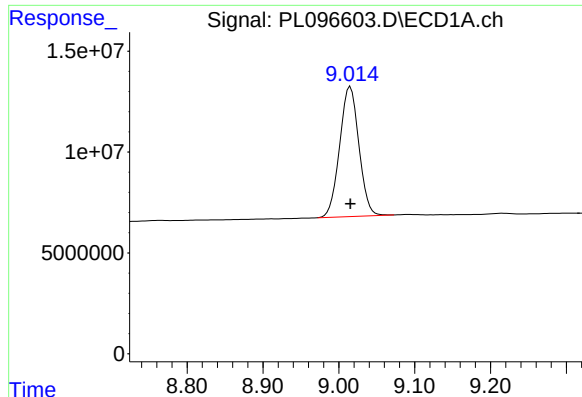
#27 Chlordane-5

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



#27 Chlordane-5

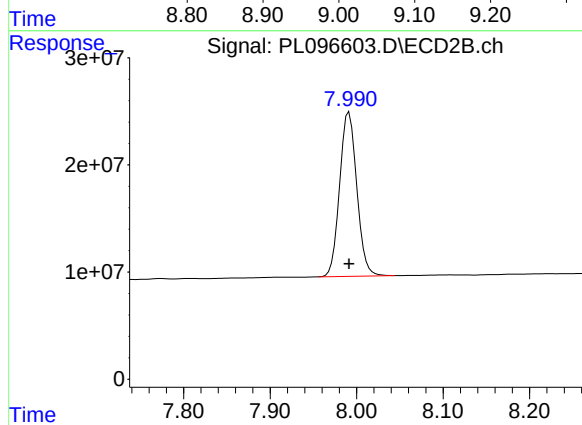
R.T.: 6.009 min
Delta R.T.: 0.000 min
Response: 122398851
Conc: 500.00 ng/ml



#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

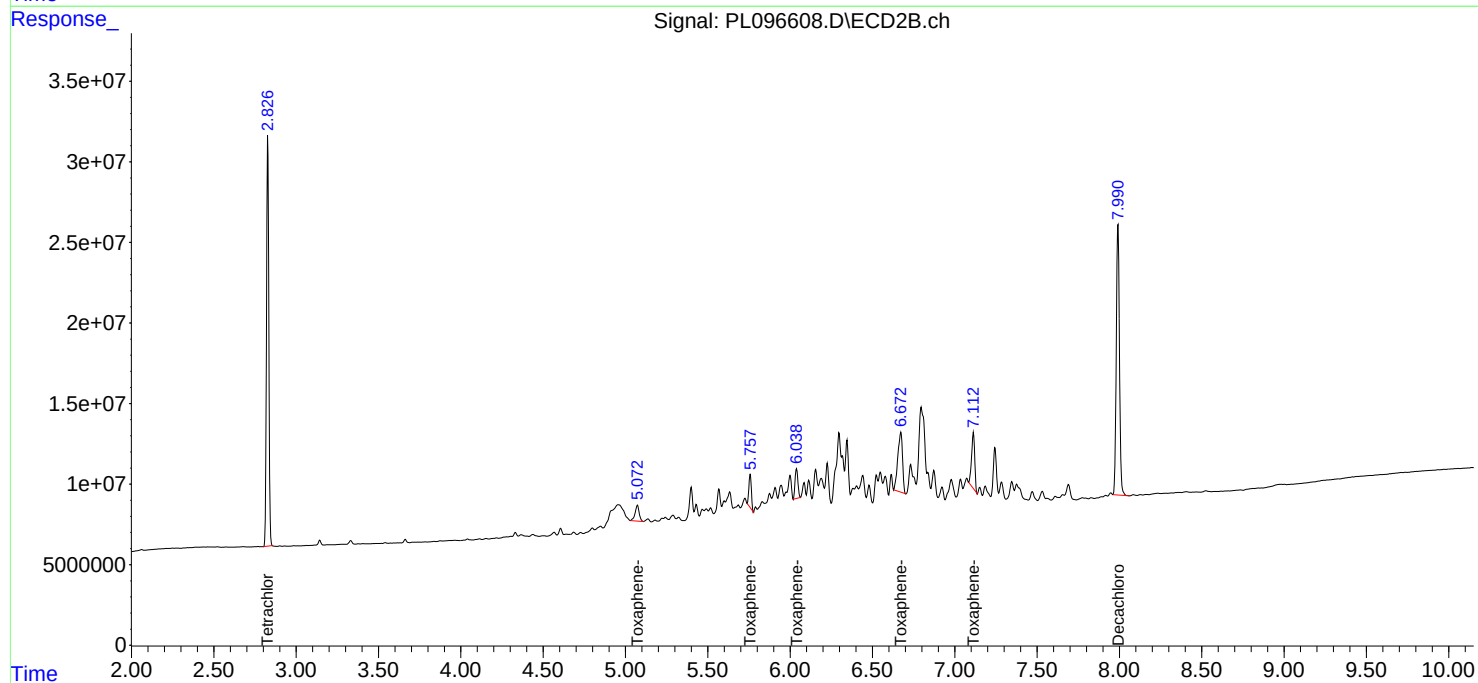
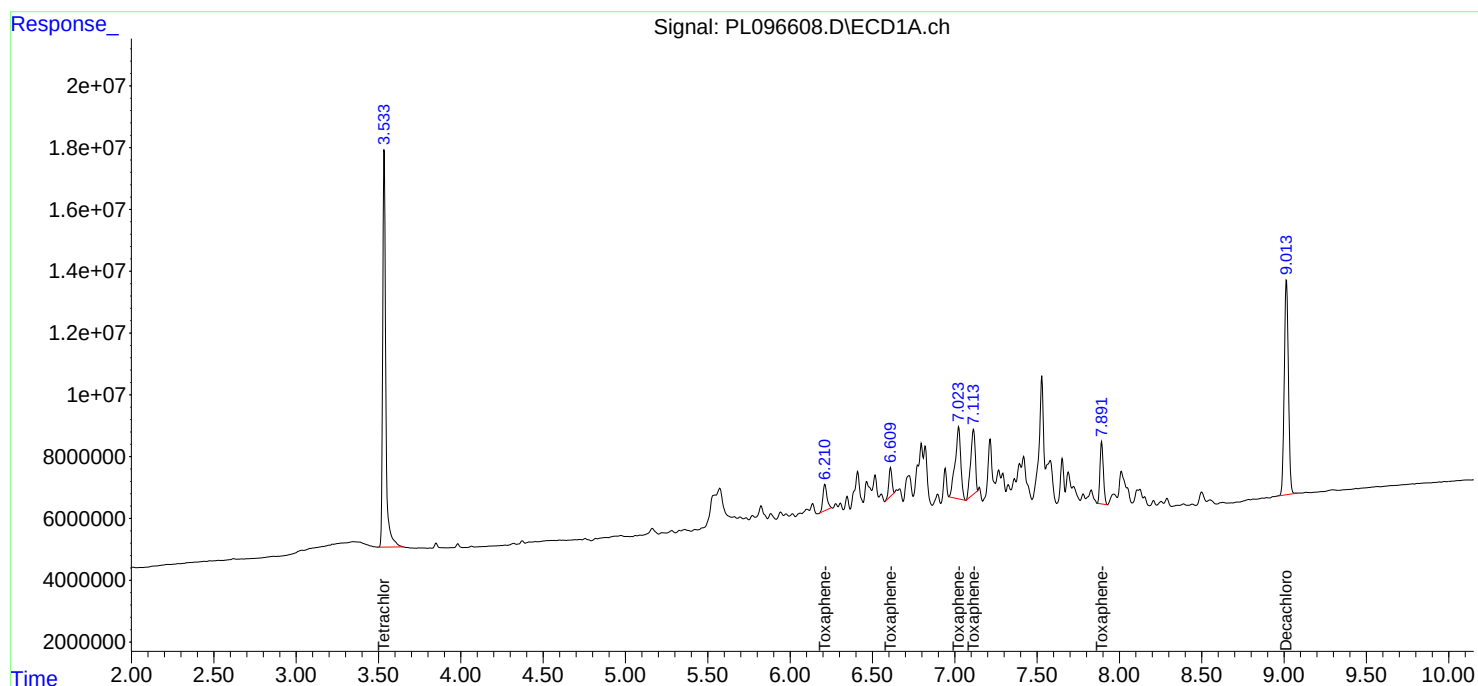
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

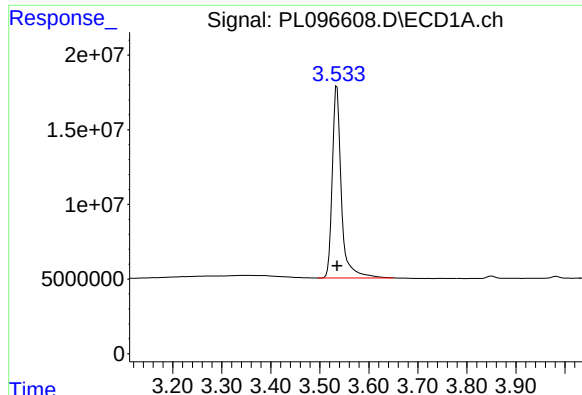
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 19:36
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

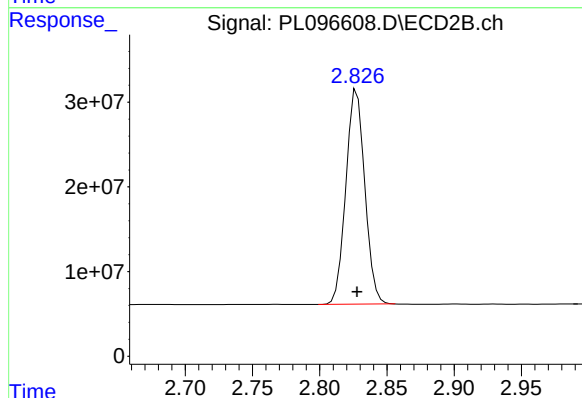




#1 Tetrachloro-m-xylene

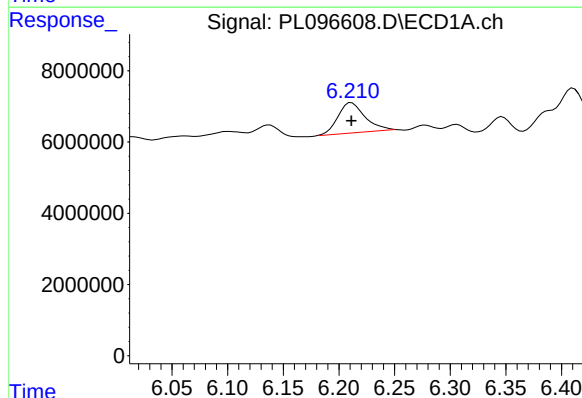
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 165314687
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



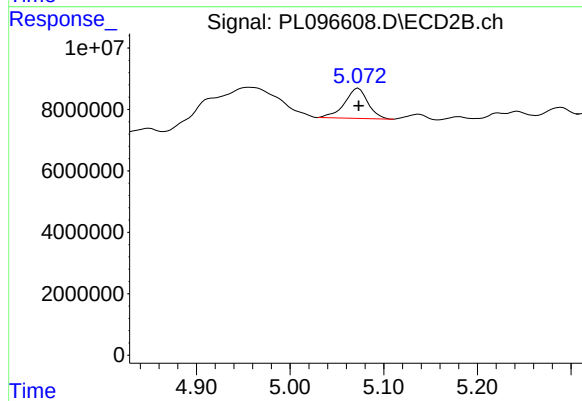
#1 Tetrachloro-m-xylene

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



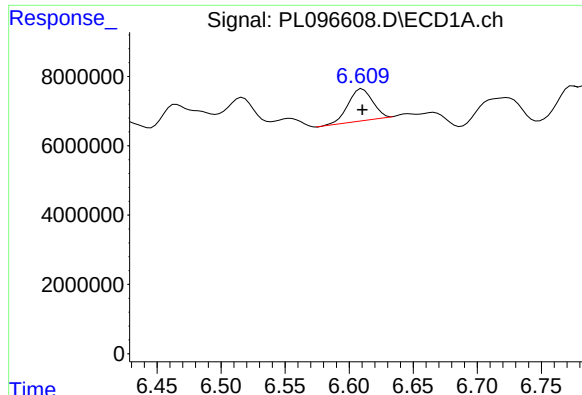
#2 Toxaphene-1

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



#2 Toxaphene-1

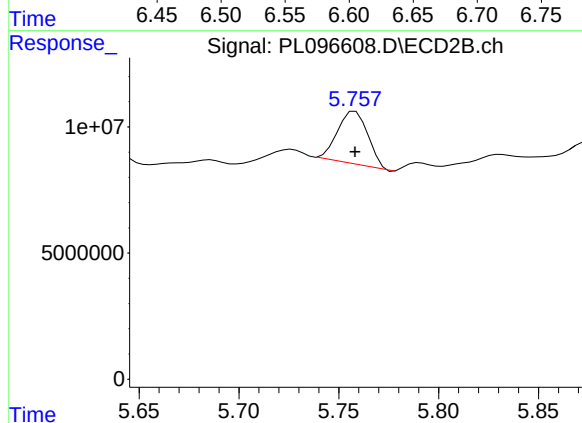
R.T.: 5.073 min
Delta R.T.: 0.000 min
Response: 17023794
Conc: 500.00 ng/ml



#3 Toxaphene-2

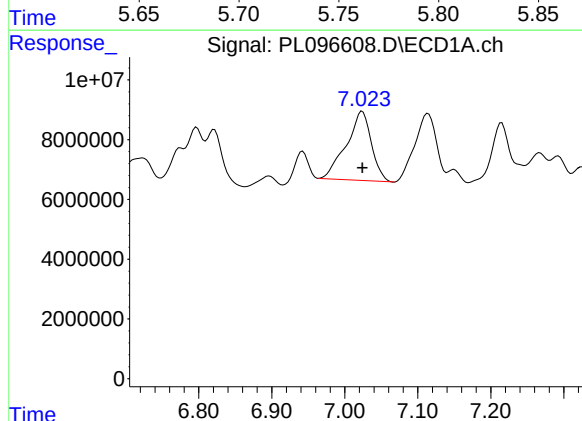
R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 12222511
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



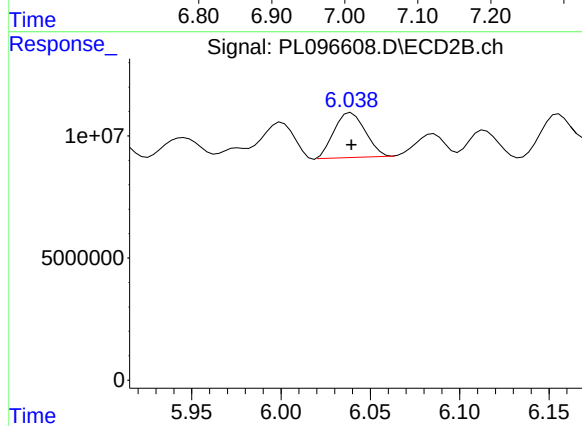
#3 Toxaphene-2

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



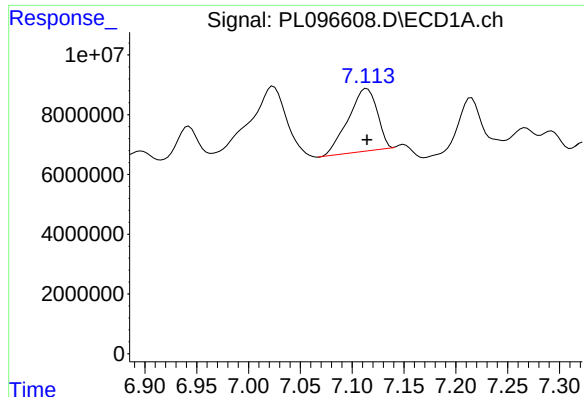
#4 Toxaphene-3

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



#4 Toxaphene-3

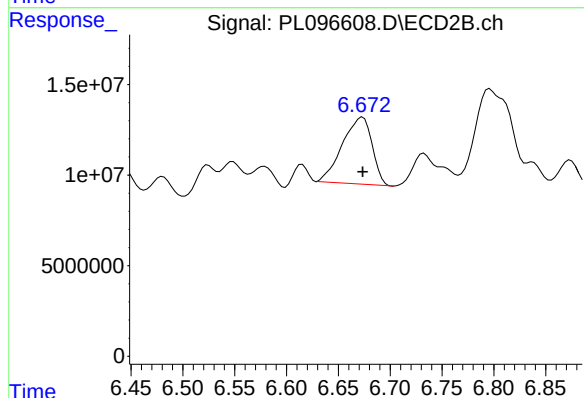
R.T.: 6.039 min
Delta R.T.: 0.000 min
Response: 22316397
Conc: 500.00 ng/ml



#5 Toxaphene-4

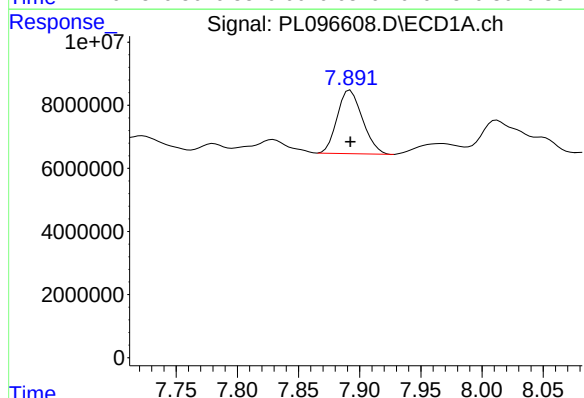
R.T.: 7.114 min
Delta R.T.: 0.000 min
Response: 40523177
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



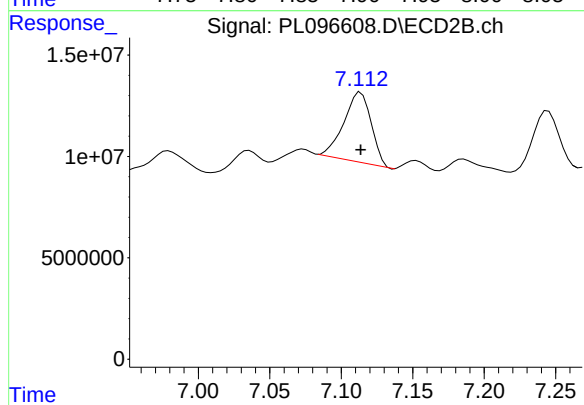
#5 Toxaphene-4

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

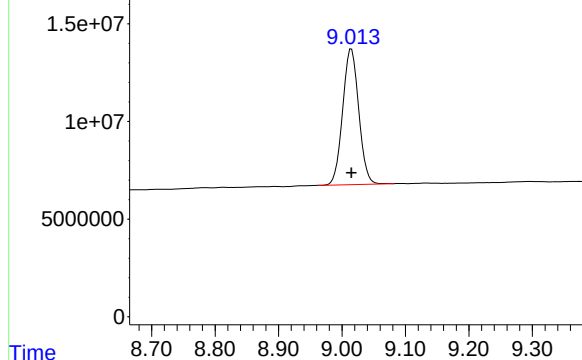
R.T.: 7.114 min
Delta R.T.: 0.000 min
Response: 46003063
Conc: 500.00 ng/ml

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

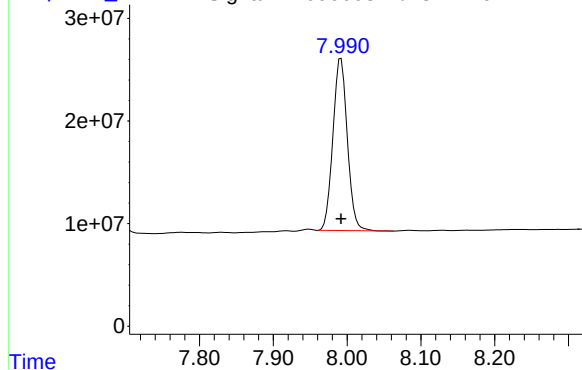
Instrument :
ECD_L
ClientSampleId :
PTOXICC500

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

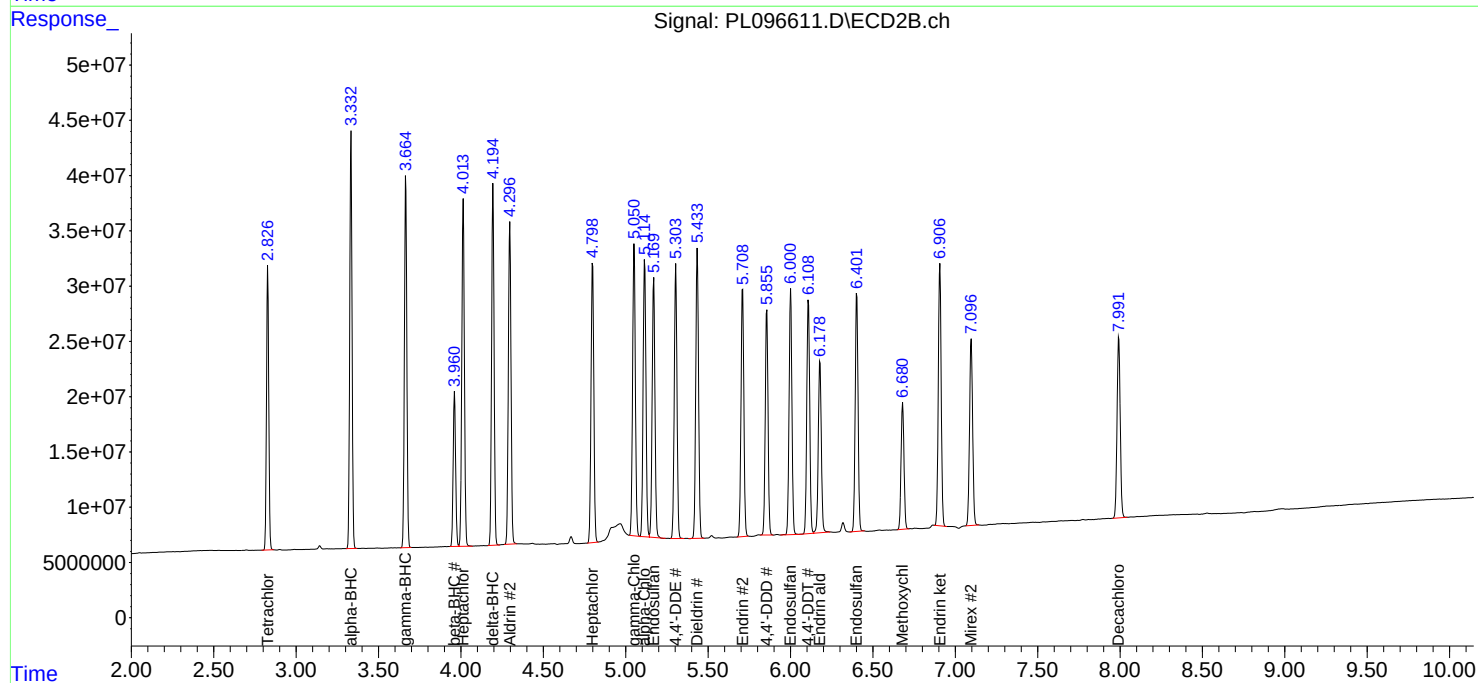
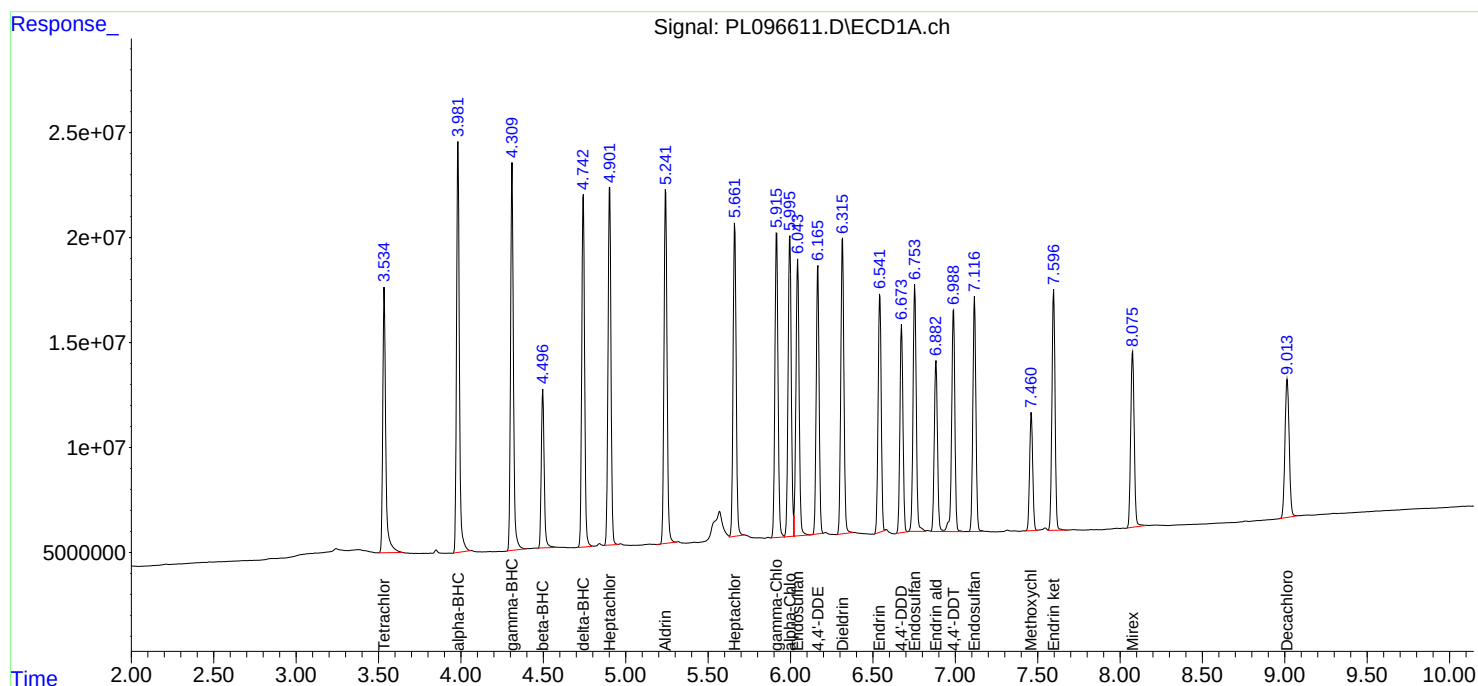
APPROVED

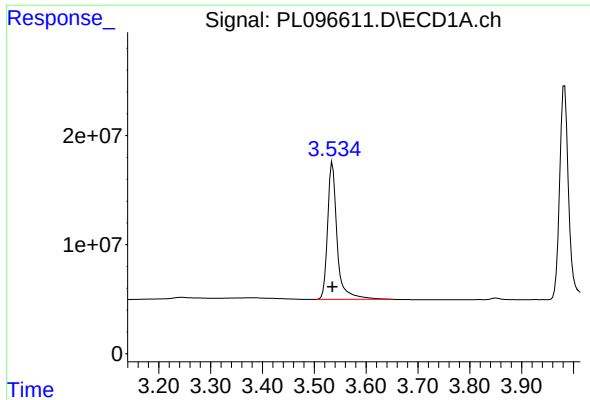
Reviewed By :Abdul Mirza 07/29/2025

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

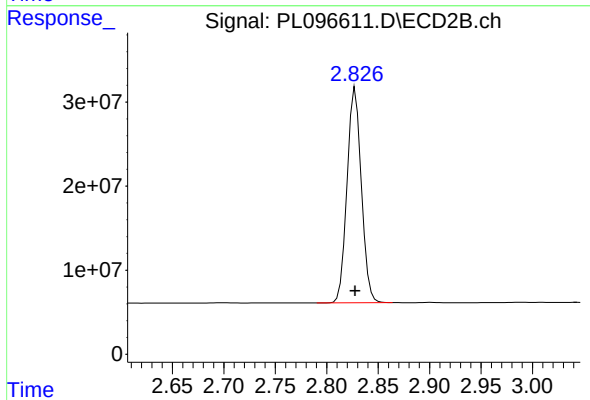
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 161043183
Conc: 50.63 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

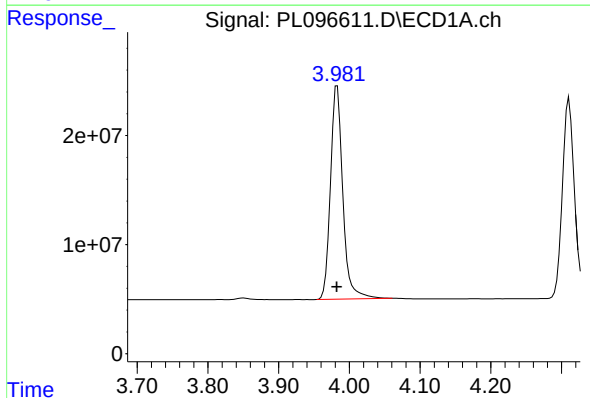
Manual Integrations
APPROVED

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



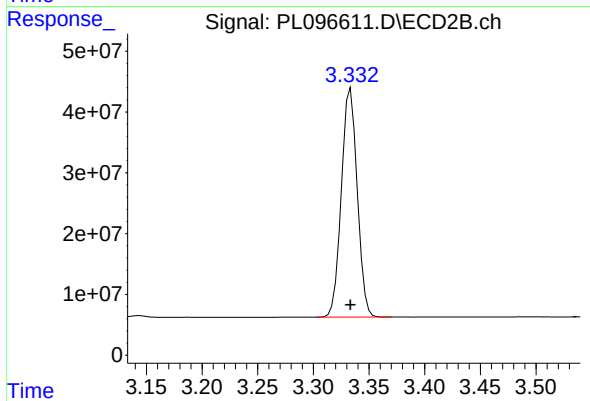
#1 Tetrachloro-m-xylene

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



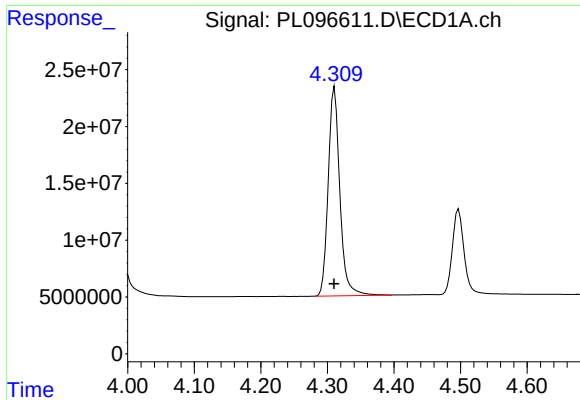
#2 alpha-BHC

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



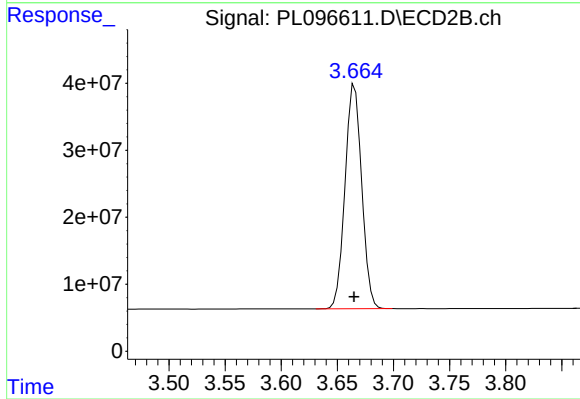
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

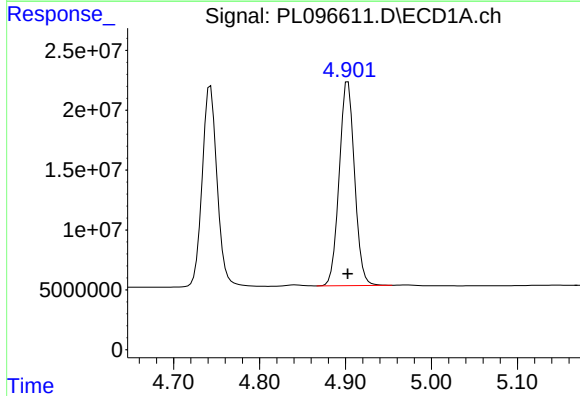
Manual Integrations
APPROVED

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



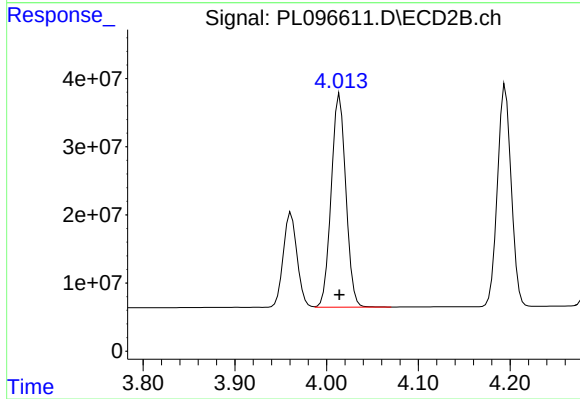
#3 gamma-BHC (Lindane)

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



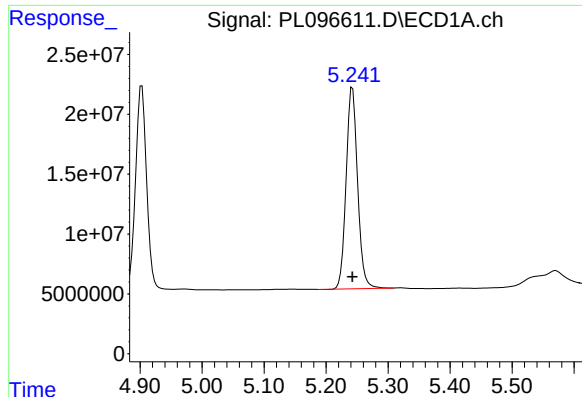
#4 Heptachlor

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



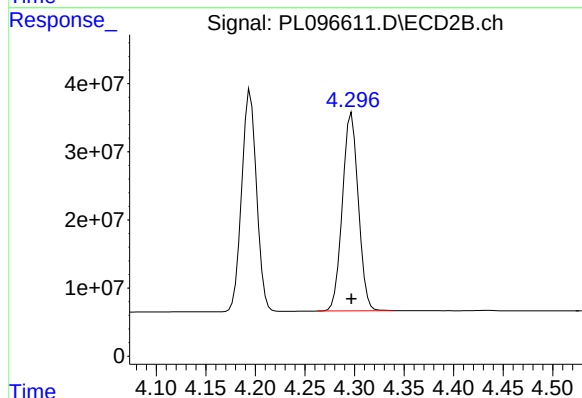
#5 Aldrin

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

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

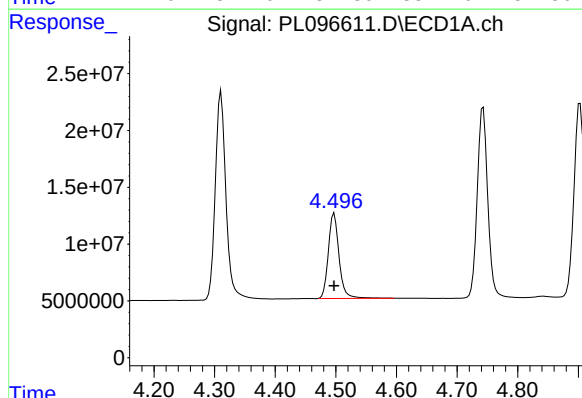
Manual Integrations
APPROVED

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



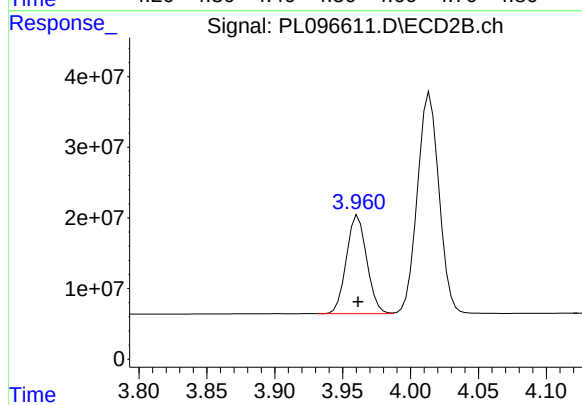
#5 Aldrin

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



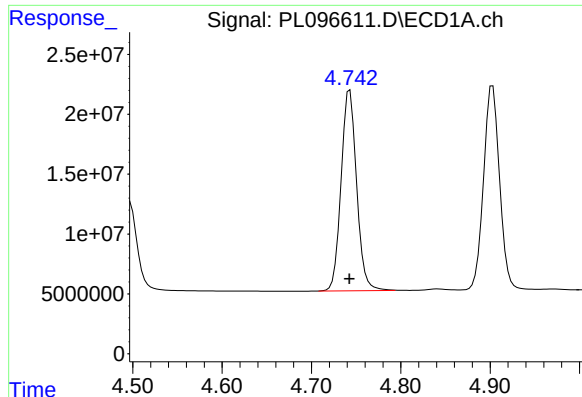
#6 beta-BHC

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



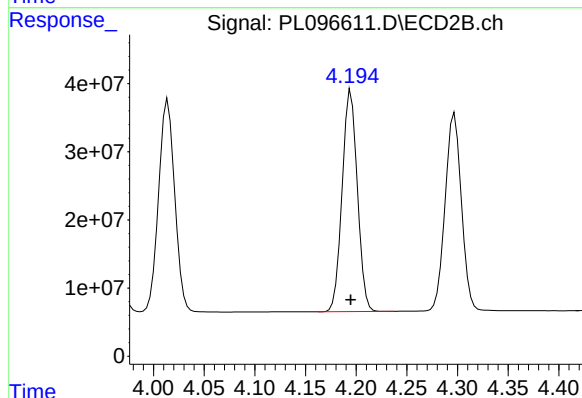
#7 delta-BHC

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

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

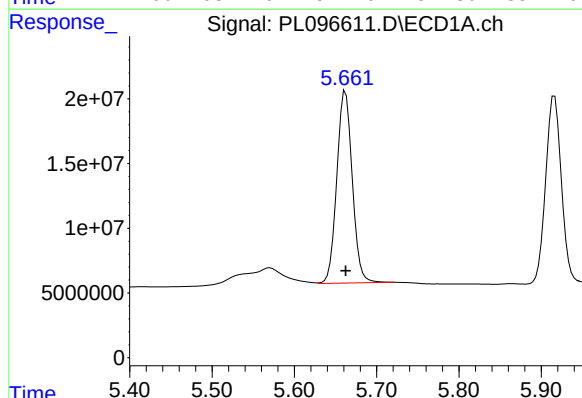
Manual Integrations
APPROVED

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



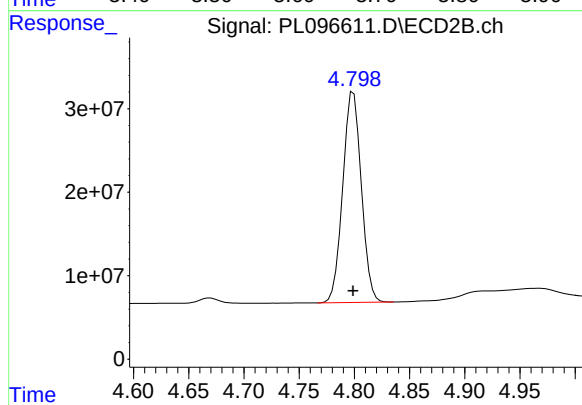
#7 delta-BHC

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



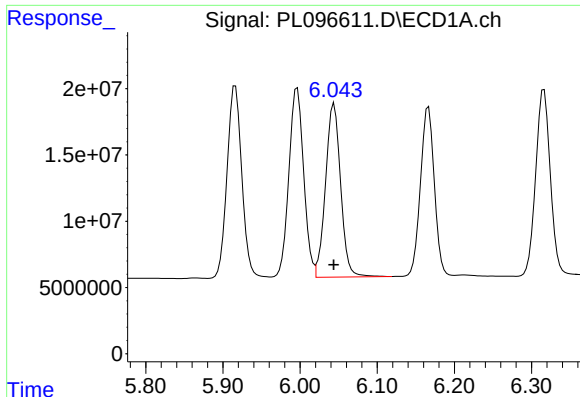
#8 Heptachlor epoxide

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



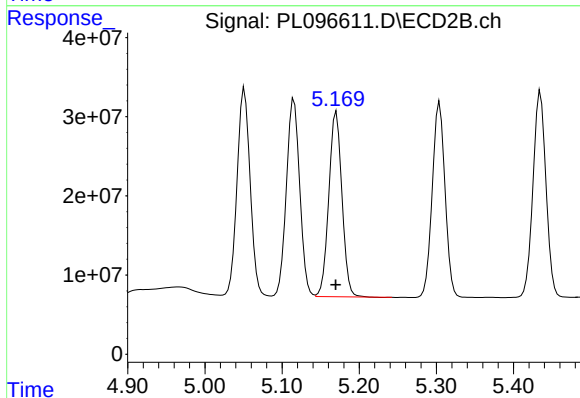
#9 Endosulfan I

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

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

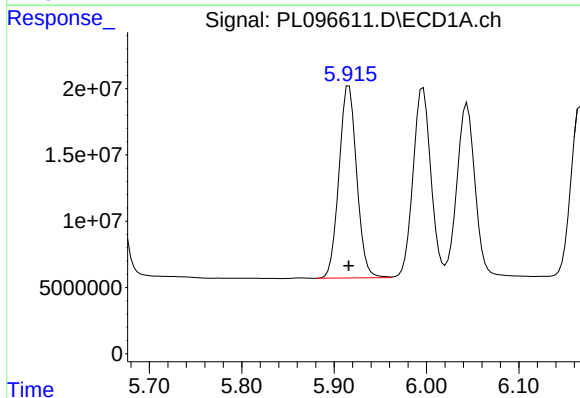
Manual Integrations
APPROVED

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



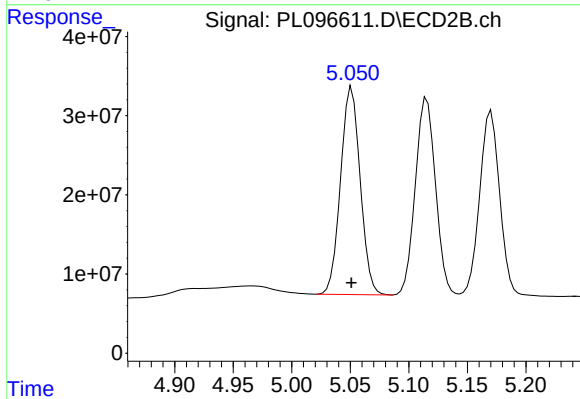
#9 Endosulfan I

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



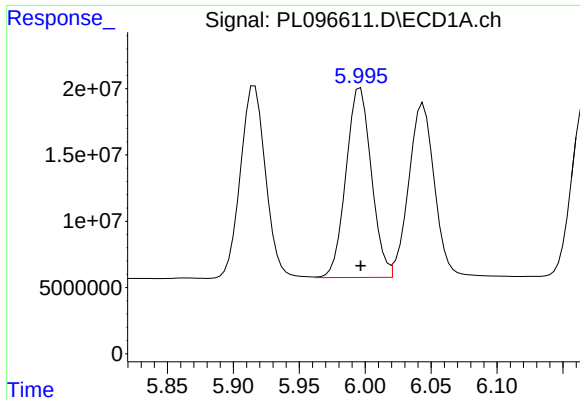
#10 gamma-Chlordane

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

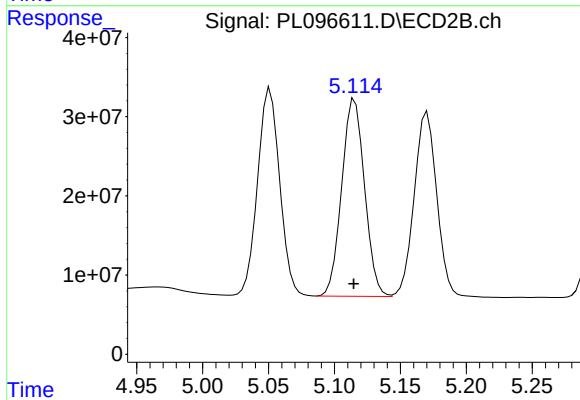
Instrument :

ECD_L

ClientSampleId :
ICVPL072825

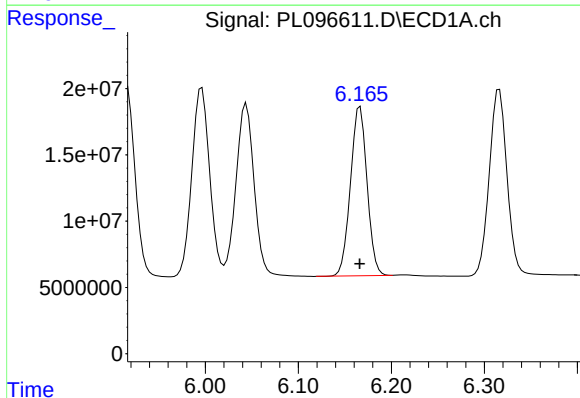
Manual Integrations
APPROVED

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



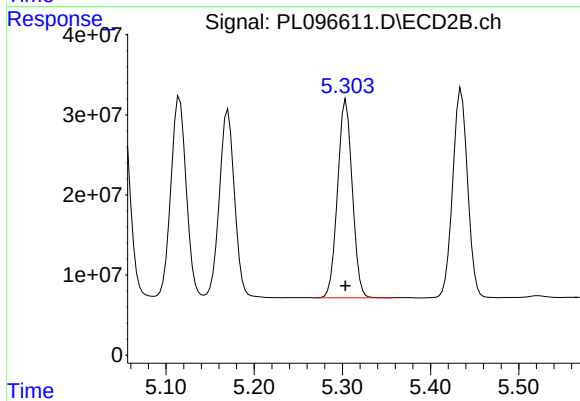
#11 alpha-Chlordane

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



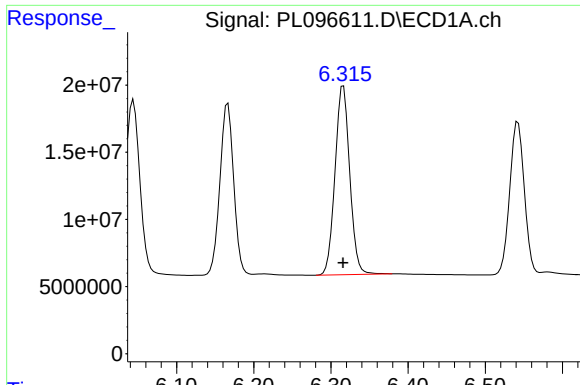
#12 4,4'-DDE

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

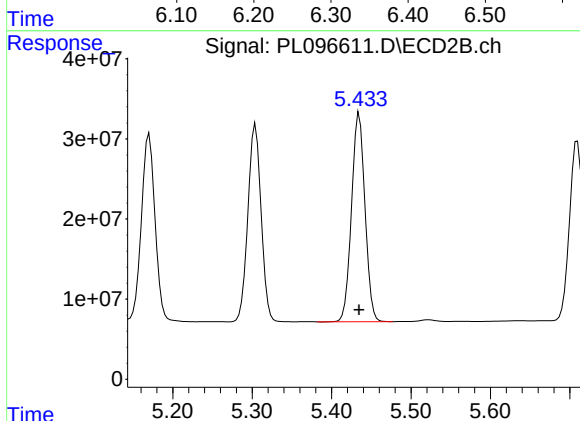
Instrument :

ECD_L

ClientSampleId :
ICVPL072825

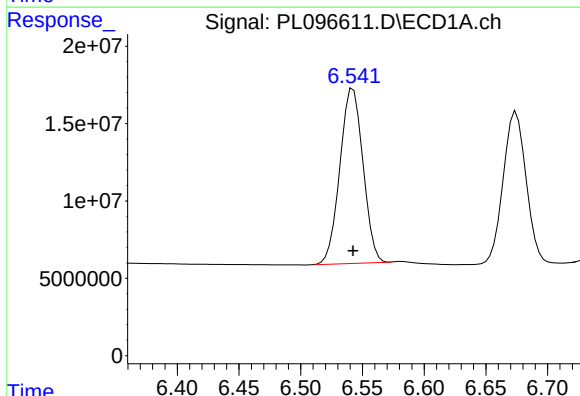
Manual Integrations
APPROVED

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



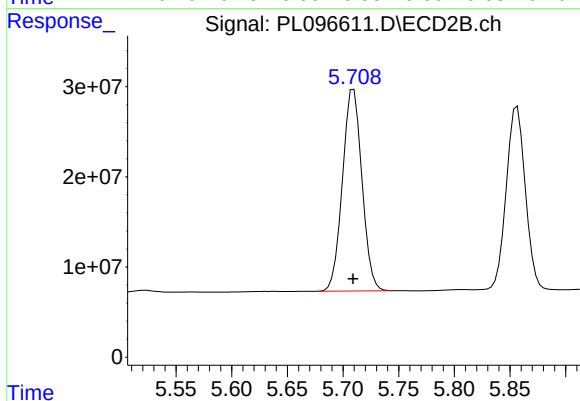
#13 Dieldrin

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



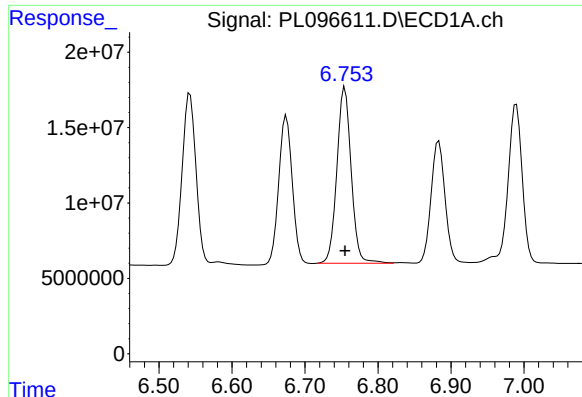
#14 Endrin

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



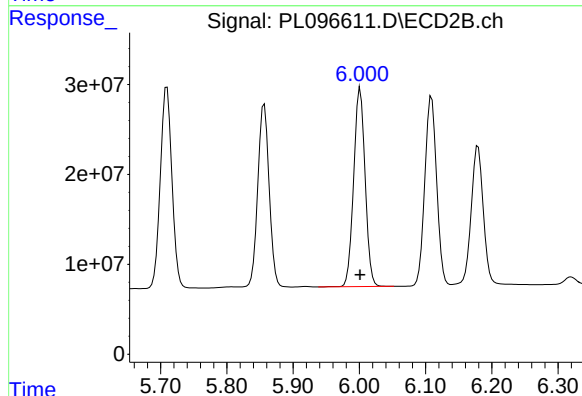
#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

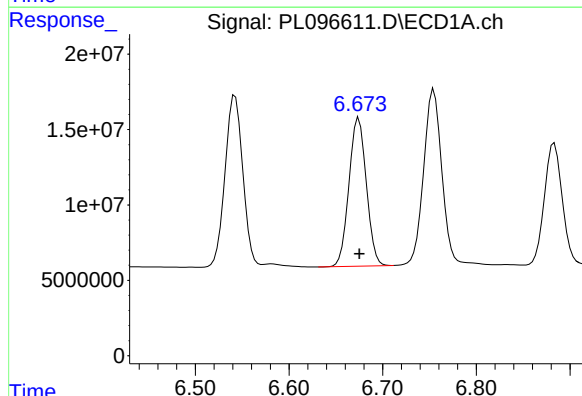
Manual Integrations
APPROVED

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



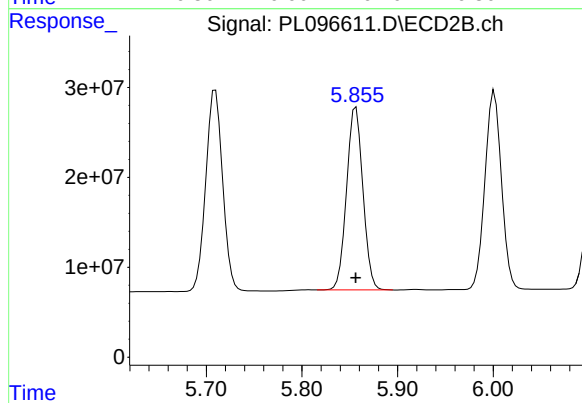
#15 Endosulfan II

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



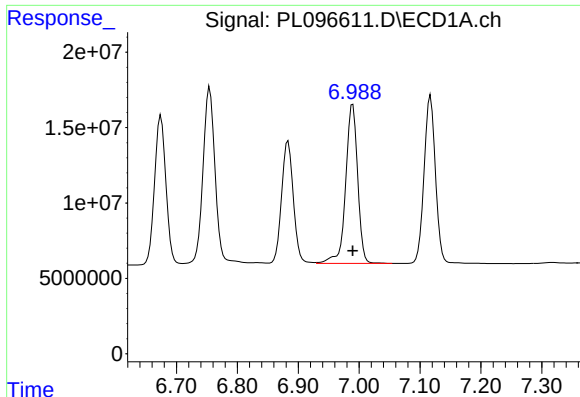
#16 4,4'-DDD

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



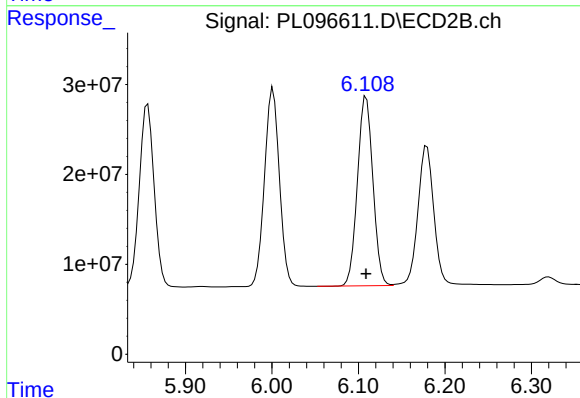
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

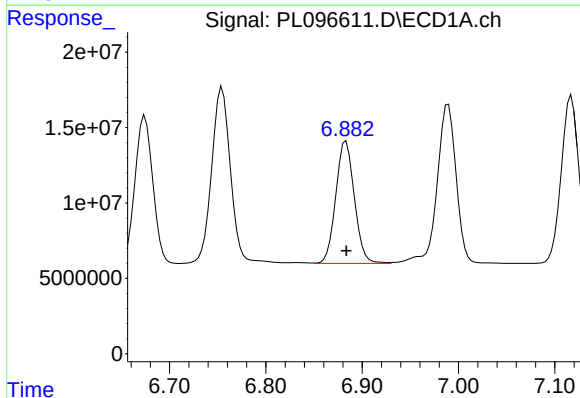
Manual Integrations
APPROVED

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



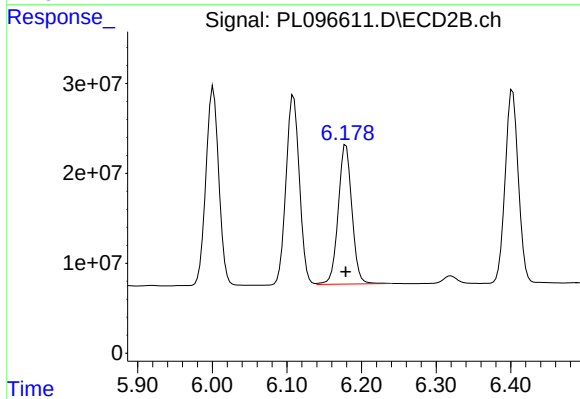
#17 4,4'-DDT

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



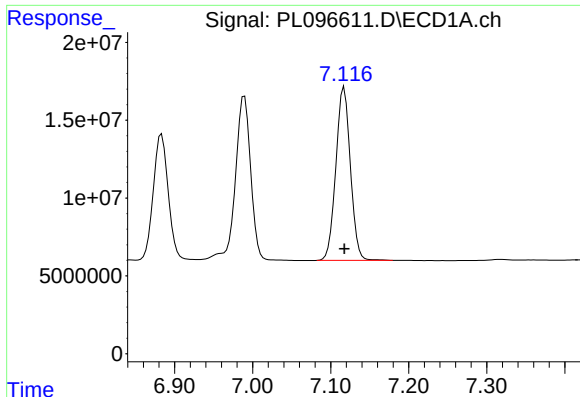
#18 Endrin aldehyde

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

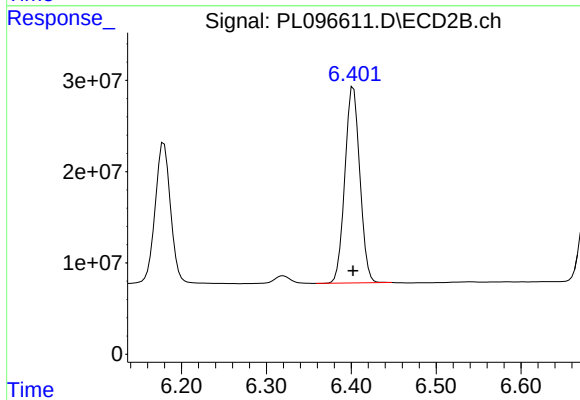
R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 143881166
Conc: 50.07 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

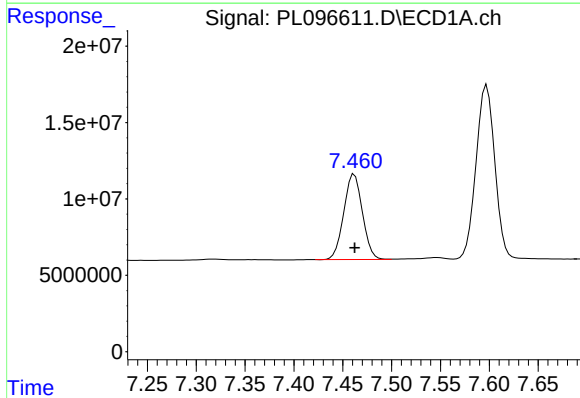
Manual Integrations
APPROVED

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



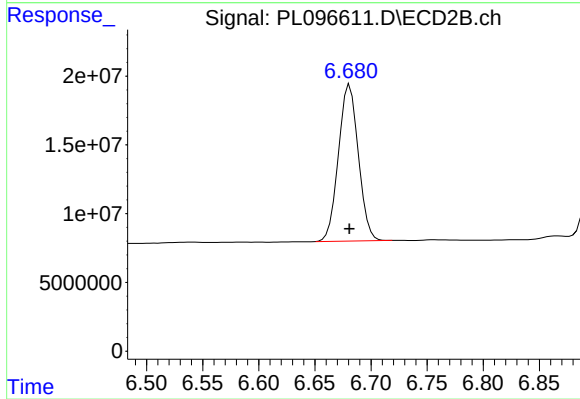
#19 Endosulfan Sulfate

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



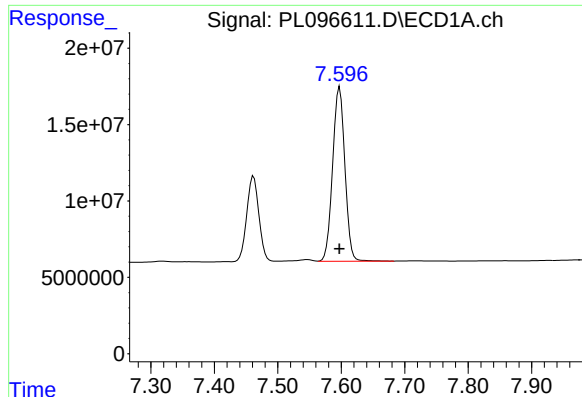
#20 Methoxychlor

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



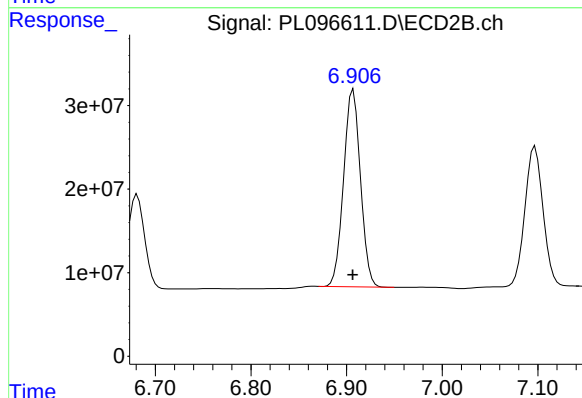
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
ICVPL072825

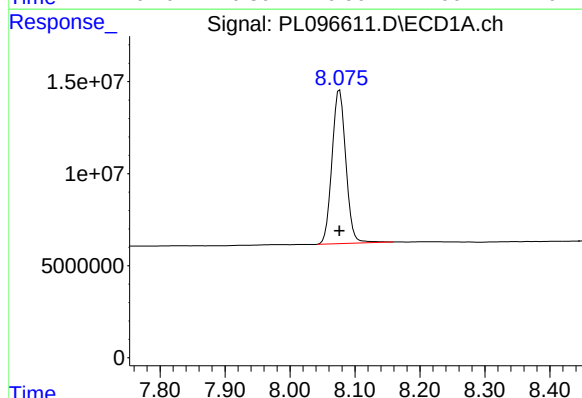
Manual Integrations
APPROVED

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



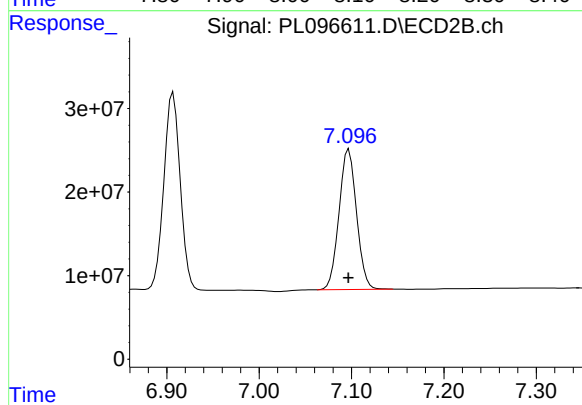
#21 Endrin ketone

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



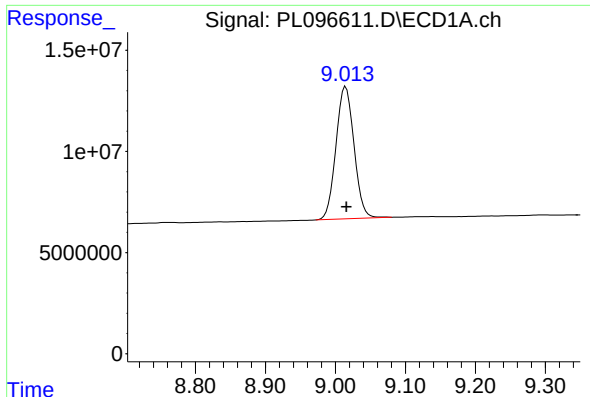
#22 Mirex

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



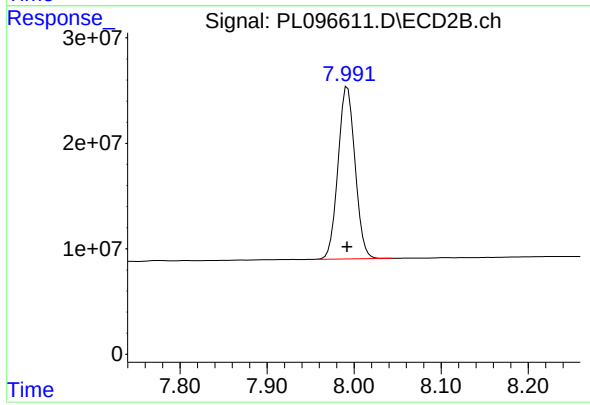
#28 Decachlorobiphenyl

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

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: FIRS02

Lab Code: ACE

SDG NO.: Q2814

Continuing Calib Date: 08/15/2025

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

07/28/2025

Continuing Calib Time: 10:58

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: FIRS02

Lab Code: ACE

SDG NO.: Q2814

Continuing Calib Date: 08/15/2025

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

07/28/2025

Continuing Calib Time: 10:58

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	0.00
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:** FIRS02
Lab Code: ACE **SDG NO.:** Q2814
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/15/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096819.D **Time Analyzed:** 10:58

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.669	6.575	6.775	53.850	50.000	7.7
4,4'-DDE	6.162	6.066	6.266	57.100	50.000	14.2
4,4'-DDT	6.985	6.889	7.089	55.260	50.000	10.5
Aldrin	5.237	5.143	5.343	55.460	50.000	10.9
alpha-BHC	3.976	3.882	4.082	56.620	50.000	13.2
alpha-Chlordane	5.992	5.897	6.097	55.430	50.000	10.9
beta-BHC	4.491	4.397	4.597	54.870	50.000	9.7
Decachlorobiphenyl	9.009	8.916	9.116	53.580	50.000	7.2
delta-BHC	4.738	4.643	4.843	56.320	50.000	12.6
Dieldrin	6.311	6.216	6.416	54.300	50.000	8.6
Endosulfan I	6.039	5.944	6.144	55.090	50.000	10.2
Endosulfan II	6.749	6.655	6.855	52.840	50.000	5.7
Endosulfan sulfate	7.113	7.018	7.218	52.570	50.000	5.1
Endrin	6.536	6.442	6.642	55.480	50.000	11.0
Endrin aldehyde	6.878	6.784	6.984	53.660	50.000	7.3
Endrin ketone	7.592	7.497	7.697	53.120	50.000	6.2
gamma-BHC (Lindane)	4.304	4.210	4.410	53.000	50.000	6.0
gamma-Chlordane	5.911	5.816	6.016	56.310	50.000	12.6
Heptachlor	4.897	4.803	5.003	59.840	50.000	19.7
Heptachlor epoxide	5.657	5.562	5.762	53.470	50.000	6.9
Methoxychlor	7.457	7.362	7.562	54.900	50.000	9.8
Tetrachloro-m-xylene	3.530	3.435	3.635	54.570	50.000	9.1



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** FIRS02
Lab Code: ACE **SDG NO.:** Q2814
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/15/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096819.D **Time Analyzed:** 10:58

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.852	5.756	5.956	51.050	50.000	2.1
4,4'-DDE	5.299	5.204	5.404	51.950	50.000	3.9
4,4'-DDT	6.103	6.009	6.209	52.520	50.000	5.0
Aldrin	4.291	4.197	4.397	51.080	50.000	2.2
alpha-BHC	3.328	3.233	3.433	53.290	50.000	6.6
alpha-Chlordane	5.110	5.015	5.215	51.520	50.000	3.0
beta-BHC	3.956	3.861	4.061	52.520	50.000	5.0
Decachlorobiphenyl	7.987	7.892	8.092	48.190	50.000	-3.6
delta-BHC	4.189	4.095	4.295	52.180	50.000	4.4
Dieldrin	5.430	5.334	5.534	51.280	50.000	2.6
Endosulfan I	5.165	5.069	5.269	50.070	50.000	0.1
Endosulfan II	5.996	5.901	6.101	56.750	50.000	13.5
Endosulfan sulfate	6.398	6.302	6.502	49.690	50.000	-0.6
Endrin	5.704	5.609	5.809	50.950	50.000	1.9
Endrin aldehyde	6.174	6.079	6.279	51.830	50.000	3.7
Endrin ketone	6.903	6.807	7.007	50.320	50.000	0.6
gamma-BHC (Lindane)	3.660	3.565	3.765	52.940	50.000	5.9
gamma-Chlordane	5.046	4.951	5.151	52.790	50.000	5.6
Heptachlor	4.009	3.914	4.114	51.850	50.000	3.7
Heptachlor epoxide	4.794	4.699	4.899	51.080	50.000	2.2
Methoxychlor	6.677	6.581	6.781	50.460	50.000	0.9
Tetrachloro-m-xylene	2.822	2.728	2.928	54.140	50.000	8.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
 Data File : PL096819.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 10:58
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/18/2025
 Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 05:54:51 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	173.6E6	258.7E6	54.574	54.143
2)	SA Decachlor...	9.009	7.987	127.8E6	209.1E6	53.584	48.192
Target Compounds							
2)	A alpha-BHC	3.976	3.328	262.0E6	377.1E6	56.623m	53.290
3)	MA gamma-BHC...	4.304	3.660	234.5E6	349.6E6	53.005m	52.938
4)	MA Heptachlor	4.897	4.009	248.7E6	345.4E6	59.841	51.850
5)	MB Aldrin	5.237	4.291	238.5E6	317.1E6	55.458	51.080
6)	B beta-BHC	4.491	3.956	99032385	148.2E6	54.867m	52.522
7)	B delta-BHC	4.738	4.189	224.7E6	337.8E6	56.322	52.180
8)	B Heptachlo...	5.657	4.794	206.2E6	291.8E6	53.473	51.083
9)	A Endosulfan I	6.039	5.165	198.1E6	277.0E6	55.090	50.075
10)	B gamma-Chl...	5.911	5.046	214.3E6	310.4E6	56.305	52.789
11)	B alpha-Chl...	5.992	5.110	213.7E6	303.9E6	55.429	51.520
12)	B 4,4'-DDE	6.162	5.299	183.4E6	286.5E6	57.098	51.952
13)	MA Dieldrin	6.311	5.430	201.5E6	302.9E6	54.299	51.283
14)	MA Endrin	6.536	5.704	167.9E6	275.4E6	55.479m	50.951
15)	B Endosulfa...	6.749	5.996	169.2E6	291.5E6	52.839m	56.746
16)	A 4,4'-DDD	6.669	5.852	136.2E6	240.2E6	53.850m	51.048
17)	MA 4,4'-DDT	6.985	6.103	158.5E6	265.7E6	55.256	52.524m
18)	B Endrin al...	6.878	6.174	115.1E6	188.4E6	53.660m	51.827
19)	B Endosulfa...	7.113	6.398	151.1E6	252.7E6	52.569	49.688
20)	A Methoxychlor	7.457	6.677	80618417	138.3E6	54.904	50.460
21)	B Endrin ke...	7.592	6.903	159.7E6	280.3E6	53.123	50.322
22)	Mirex	8.071	7.092	128.9E6	216.7E6	51.989	49.693

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096819.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 10:58
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

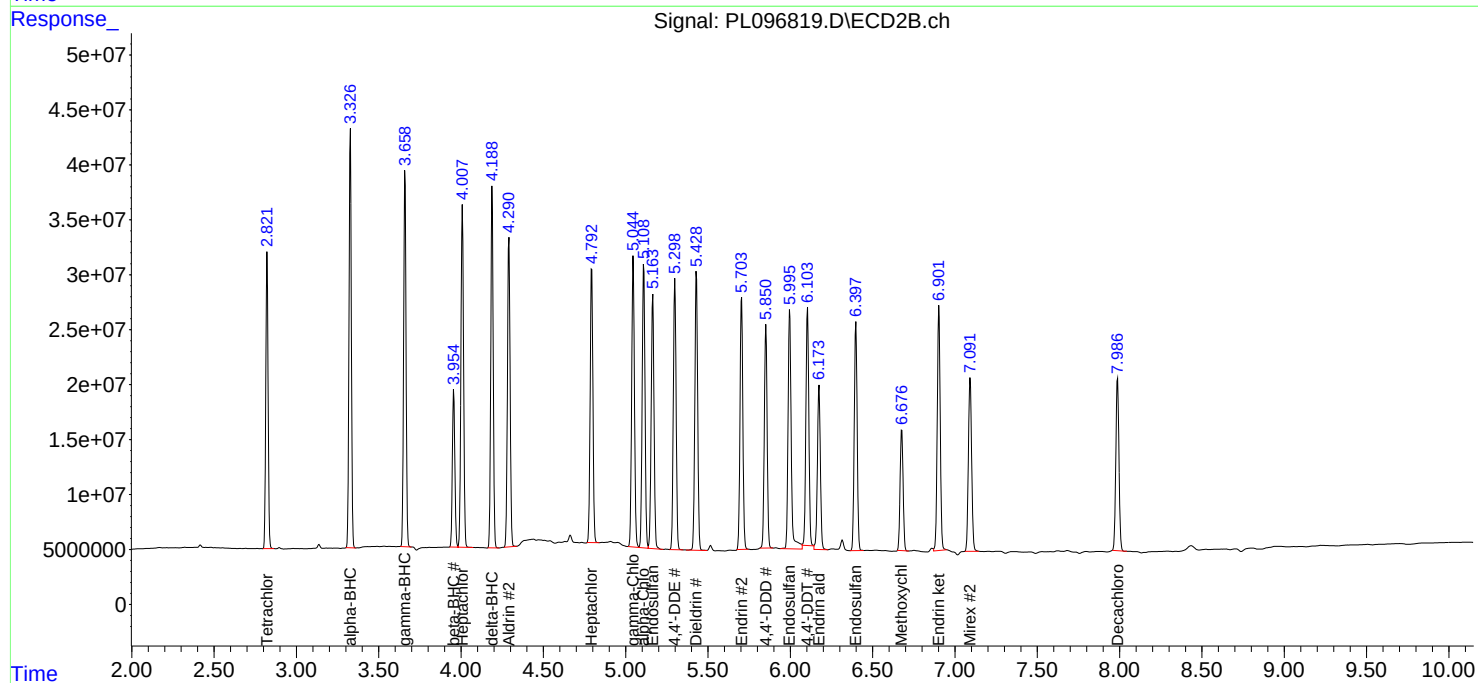
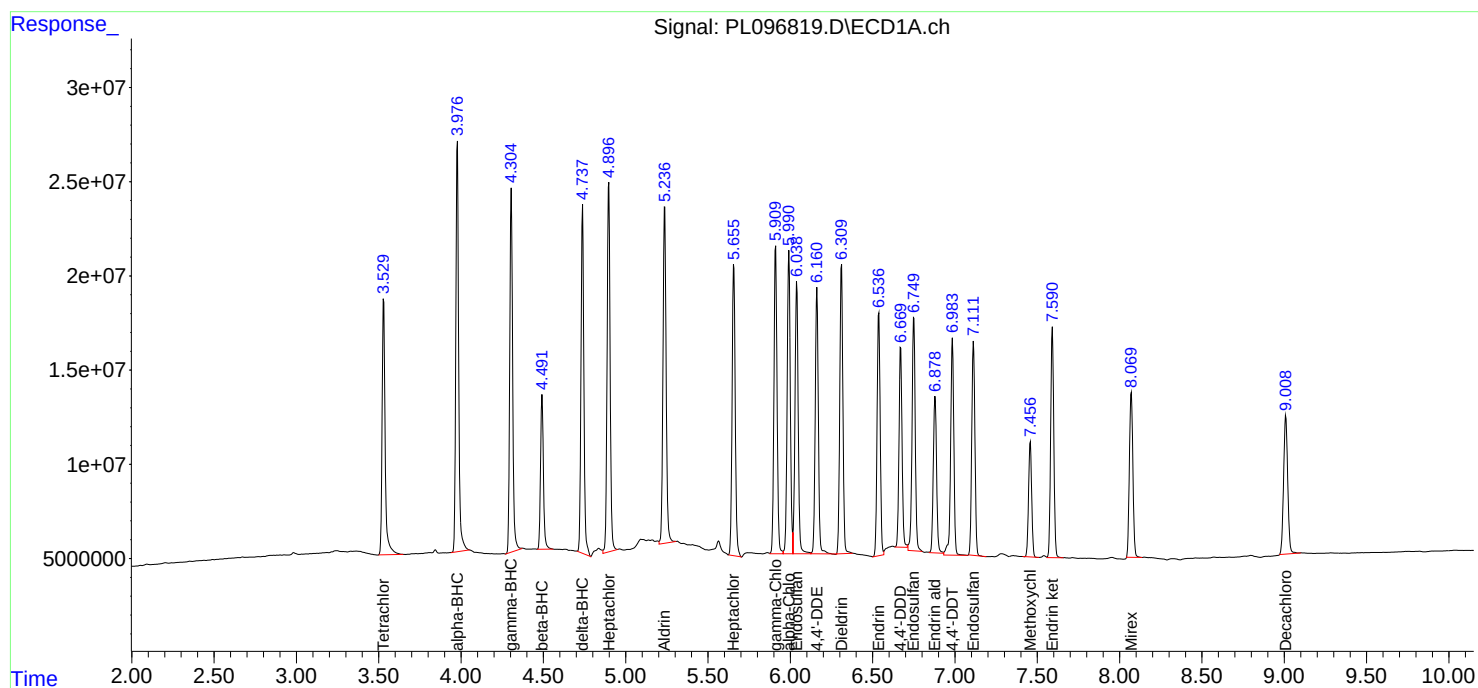
APPROVED

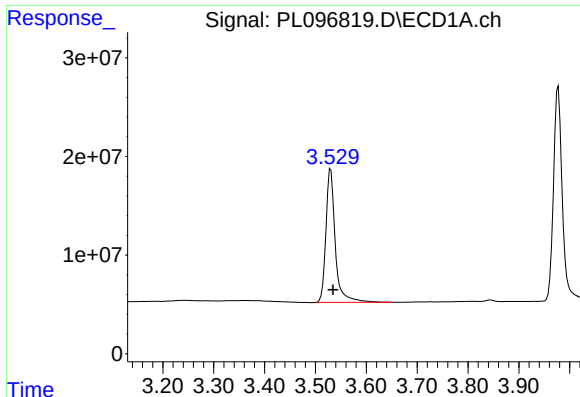
Reviewed By :Abdul Mirza 08/18/2025

Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time : Aug 18 05:54:51 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





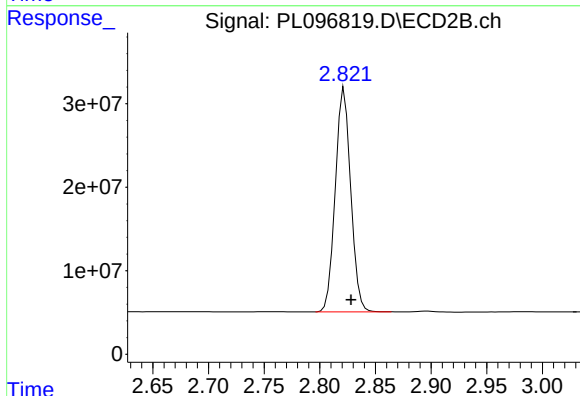
#1 Tetrachloro-m-xylene

R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 173588834
Conc: 54.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

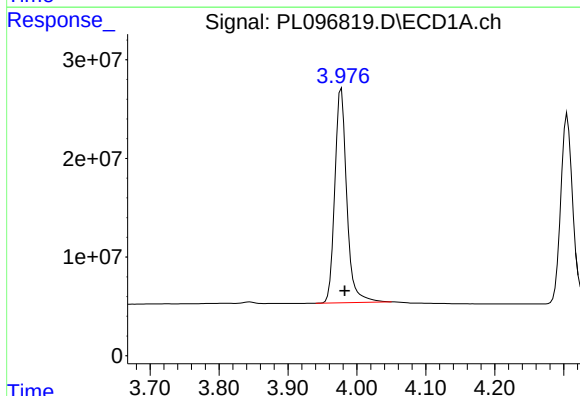
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



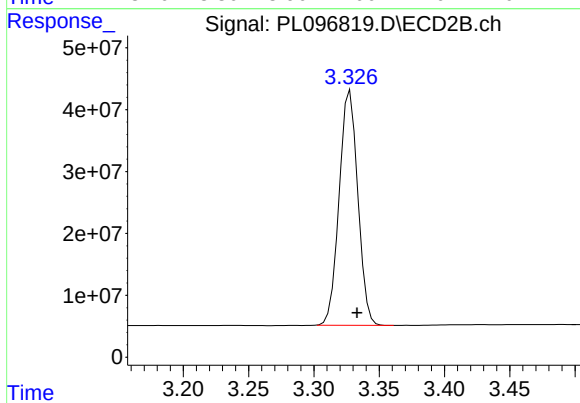
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.006 min
Response: 258683720
Conc: 54.14 ng/ml



#2 alpha-BHC

R.T.: 3.976 min
Delta R.T.: -0.006 min
Response: 261958305
Conc: 56.62 ng/ml m

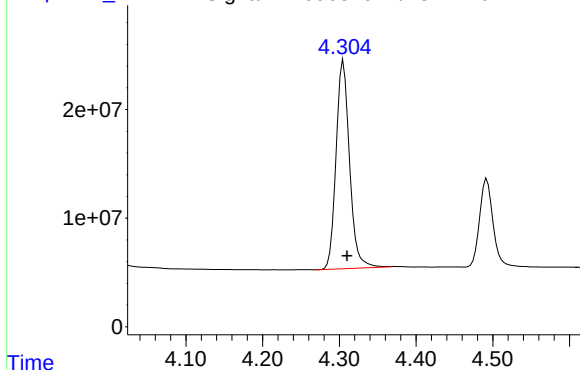


#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: -0.005 min
Response: 377136964
Conc: 53.29 ng/ml

Signal: PL096819.D\ECD1A.ch

#3 gamma-BHC (Lindane)



R.T.: 4.304 min
Delta R.T.: -0.006 min
Response: 234462579
Conc: 53.00 ng/ml

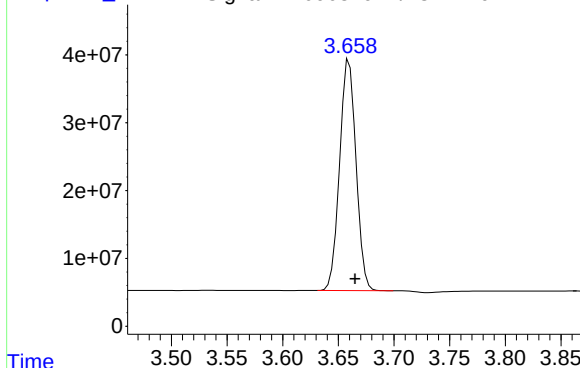
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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Supervised By :mohammad ahmed 08/21/2025

Signal: PL096819.D\ECD2B.ch

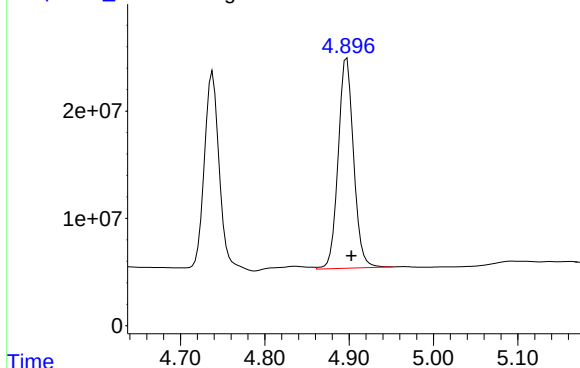
#3 gamma-BHC (Lindane)



R.T.: 3.660 min
Delta R.T.: -0.005 min
Response: 349570640
Conc: 52.94 ng/ml

Signal: PL096819.D\ECD1A.ch

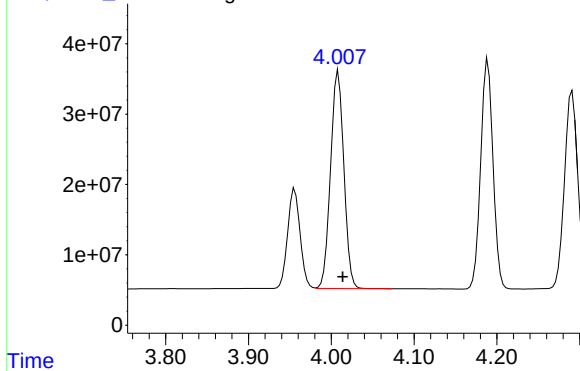
#4 Heptachlor



R.T.: 4.897 min
Delta R.T.: -0.005 min
Response: 248682326
Conc: 59.84 ng/ml

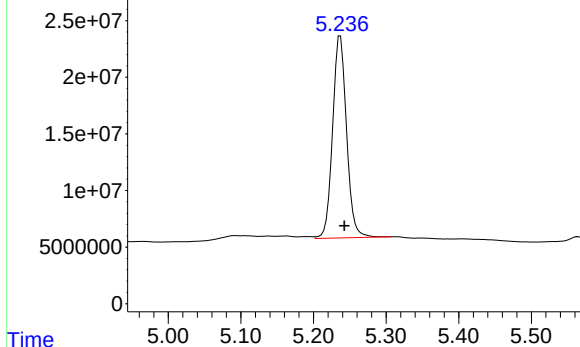
Signal: PL096819.D\ECD2B.ch

#4 Heptachlor



R.T.: 4.009 min
Delta R.T.: -0.005 min
Response: 345419725
Conc: 51.85 ng/ml

Response_ Signal: PL096819.D\ECD1A.ch



#5 Aldrin

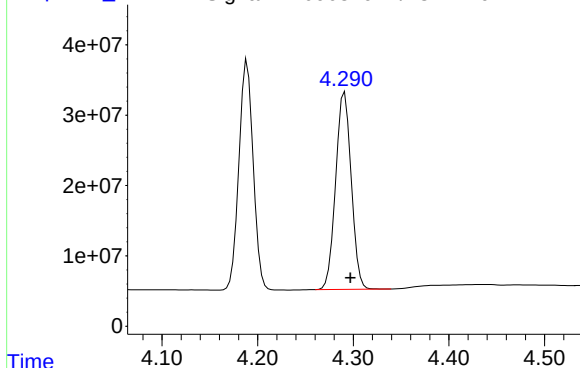
R.T.: 5.237 min
Delta R.T.: -0.006 min
Response: 238527024
Conc: 55.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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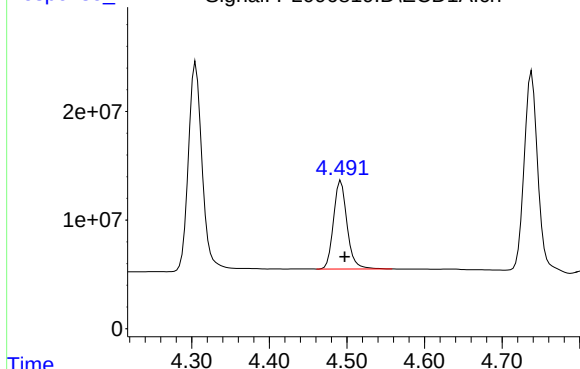
Time Response_ Signal: PL096819.D\ECD2B.ch



#5 Aldrin

R.T.: 4.291 min
Delta R.T.: -0.006 min
Response: 317057424
Conc: 51.08 ng/ml

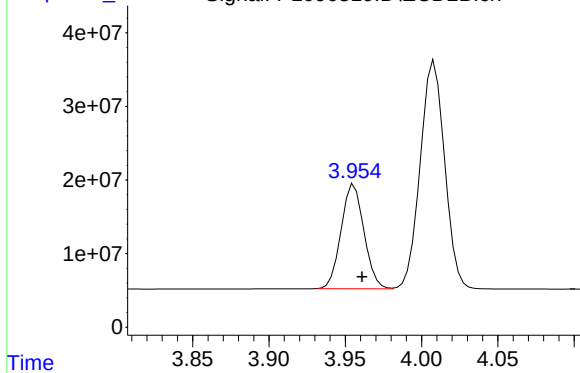
Time Response_ Signal: PL096819.D\ECD1A.ch



#6 beta-BHC

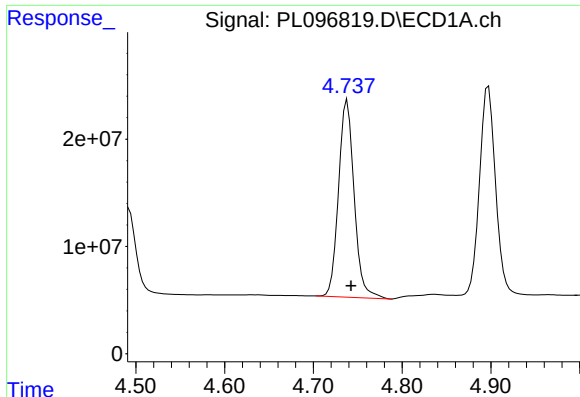
R.T.: 4.491 min
Delta R.T.: -0.006 min
Response: 99032385
Conc: 54.87 ng/ml m

Time Response_ Signal: PL096819.D\ECD2B.ch



#6 beta-BHC

R.T.: 3.956 min
Delta R.T.: -0.005 min
Response: 148157872
Conc: 52.52 ng/ml



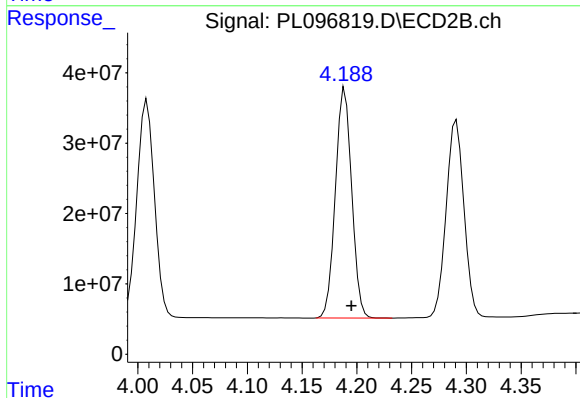
#7 delta-BHC

R.T.: 4.738 min
Delta R.T.: -0.004 min
Response: 224715371
Conc: 56.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

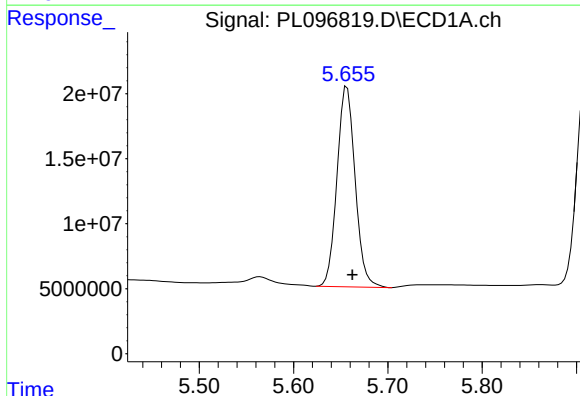
Manual Integrations
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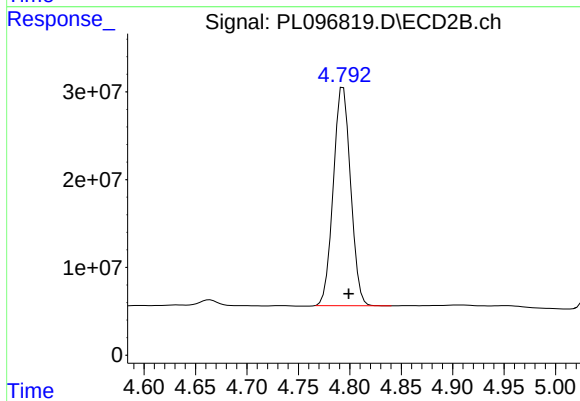
#7 delta-BHC

R.T.: 4.189 min
Delta R.T.: -0.006 min
Response: 337794712
Conc: 52.18 ng/ml



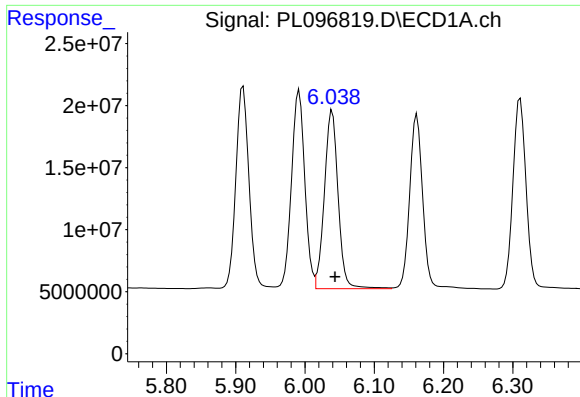
#8 Heptachlor epoxide

R.T.: 5.657 min
Delta R.T.: -0.005 min
Response: 206221416
Conc: 53.47 ng/ml



#8 Heptachlor epoxide

R.T.: 4.794 min
Delta R.T.: -0.005 min
Response: 291750031
Conc: 51.08 ng/ml



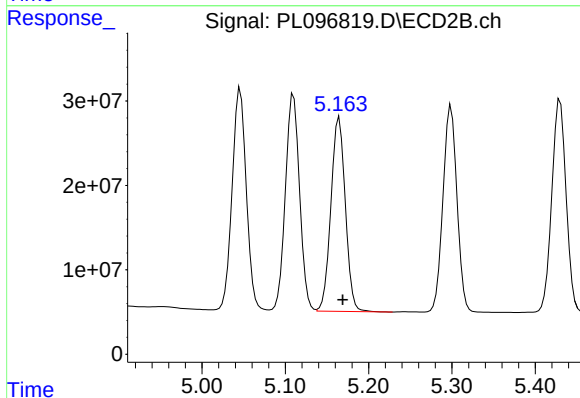
#9 Endosulfan I

R.T.: 6.039 min
Delta R.T.: -0.004 min
Response: 198123782
Conc: 55.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

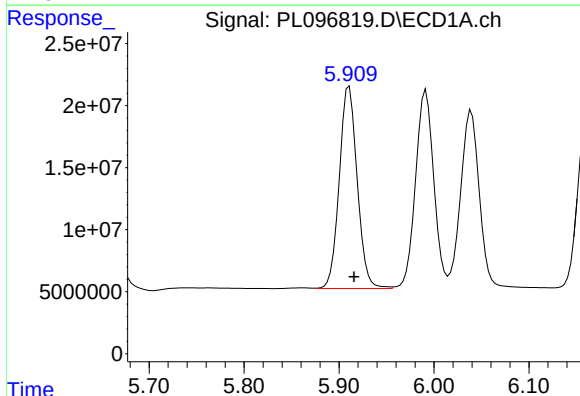
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



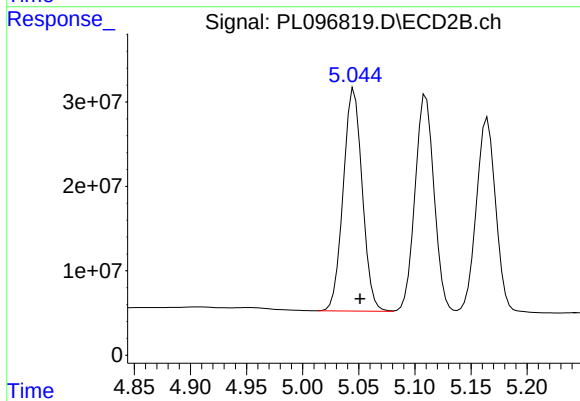
#9 Endosulfan I

R.T.: 5.165 min
Delta R.T.: -0.004 min
Response: 276983051
Conc: 50.07 ng/ml



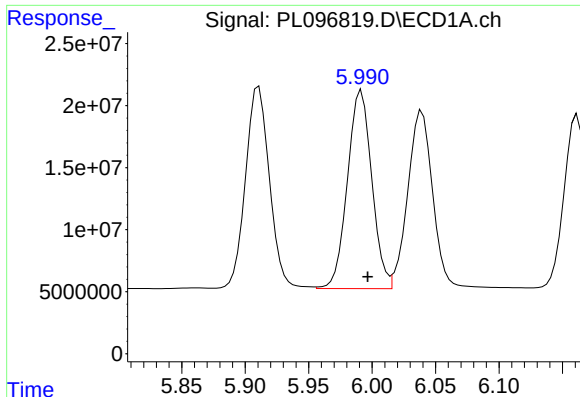
#10 gamma-Chlordane

R.T.: 5.911 min
Delta R.T.: -0.005 min
Response: 214254477
Conc: 56.31 ng/ml



#10 gamma-Chlordane

R.T.: 5.046 min
Delta R.T.: -0.005 min
Response: 310405952
Conc: 52.79 ng/ml



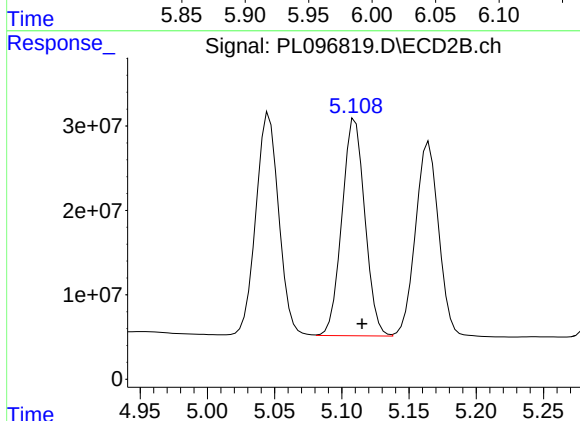
#11 alpha-Chlordane

R.T.: 5.992 min
Delta R.T.: -0.005 min
Response: 213658778
Conc: 55.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

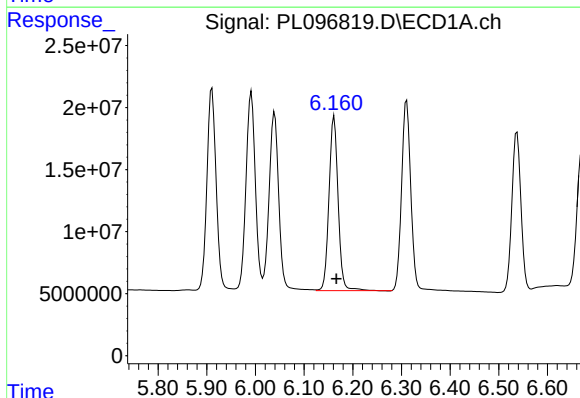
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 08/21/2025



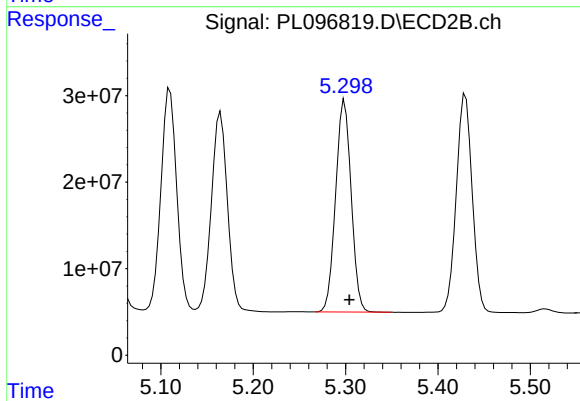
#11 alpha-Chlordane

R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 303910082
Conc: 51.52 ng/ml



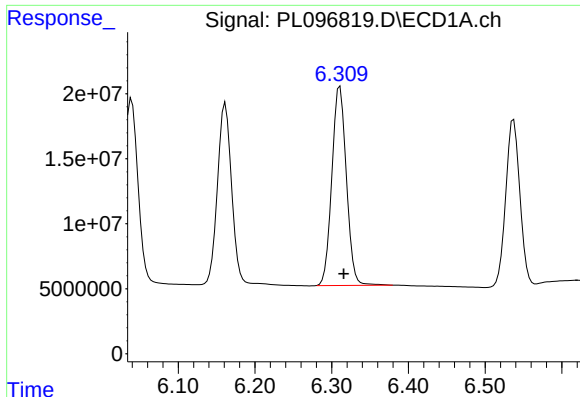
#12 4,4'-DDE

R.T.: 6.162 min
Delta R.T.: -0.005 min
Response: 183355642
Conc: 57.10 ng/ml



#12 4,4'-DDE

R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 286484870
Conc: 51.95 ng/ml



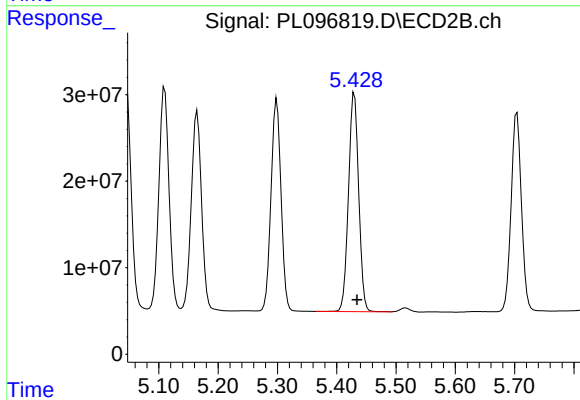
#13 Dieldrin

R.T.: 6.311 min
Delta R.T.: -0.005 min
Response: 201510129
Conc: 54.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

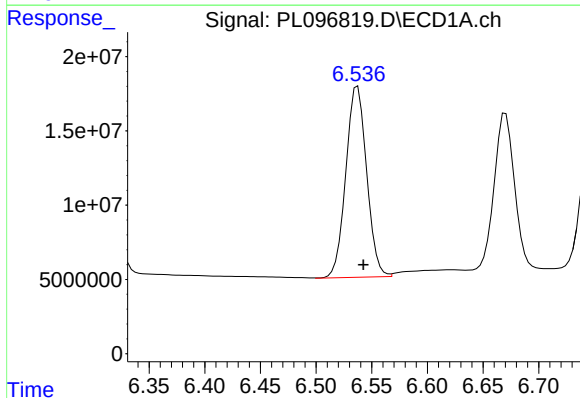
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 08/21/2025



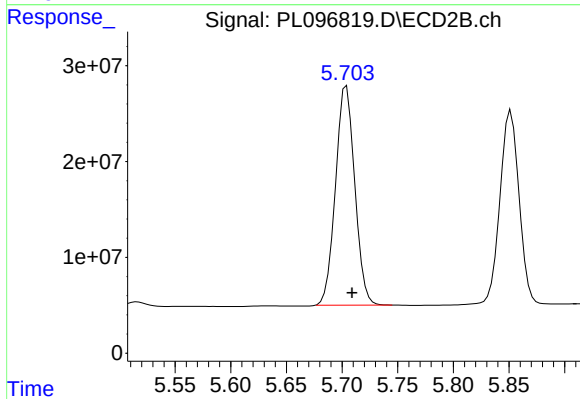
#13 Dieldrin

R.T.: 5.430 min
Delta R.T.: -0.004 min
Response: 302906139
Conc: 51.28 ng/ml



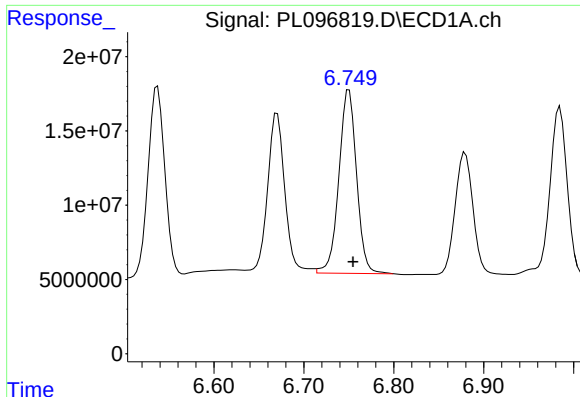
#14 Endrin

R.T.: 6.536 min
Delta R.T.: -0.007 min
Response: 167924672
Conc: 55.48 ng/ml m



#14 Endrin

R.T.: 5.704 min
Delta R.T.: -0.005 min
Response: 275437287
Conc: 50.95 ng/ml



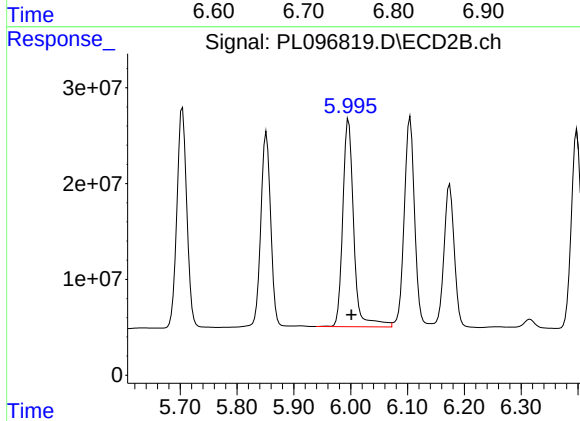
#15 Endosulfan II

R.T.: 6.749 min
Delta R.T.: -0.006 min
Response: 169225743
Conc: 52.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

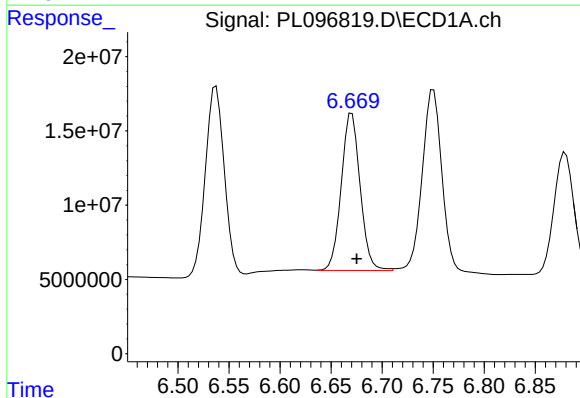
Manual Integrations
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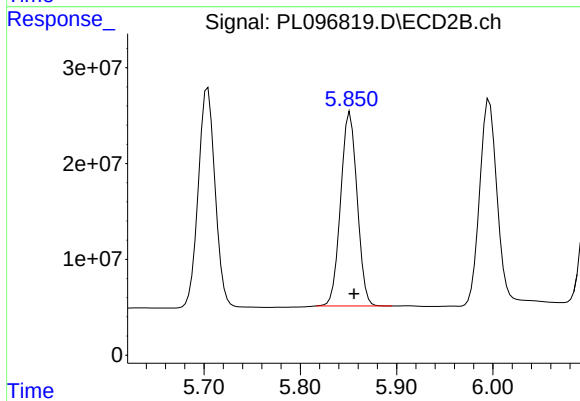
#15 Endosulfan II

R.T.: 5.996 min
Delta R.T.: -0.005 min
Response: 291461407
Conc: 56.75 ng/ml



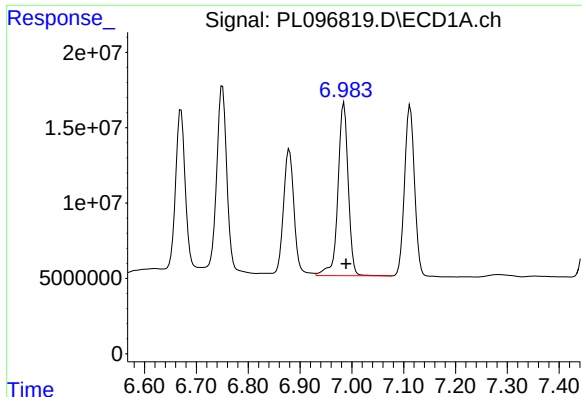
#16 4,4'-DDD

R.T.: 6.669 min
Delta R.T.: -0.006 min
Response: 136152898
Conc: 53.85 ng/ml m



#16 4,4'-DDD

R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 240194386
Conc: 51.05 ng/ml



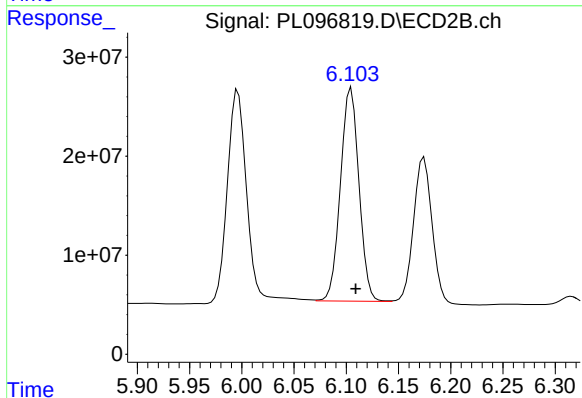
#17 4,4'-DDT

R.T.: 6.985 min
Delta R.T.: -0.004 min
Response: 158456518
Conc: 55.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

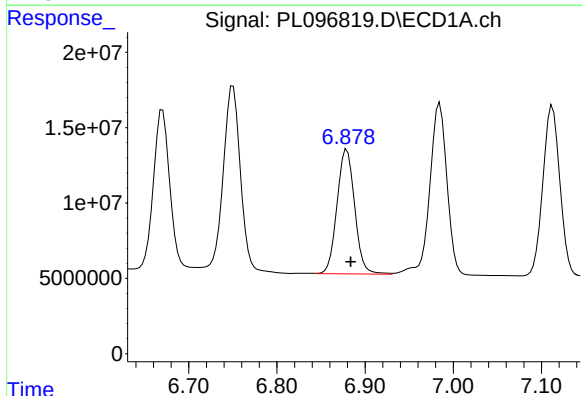
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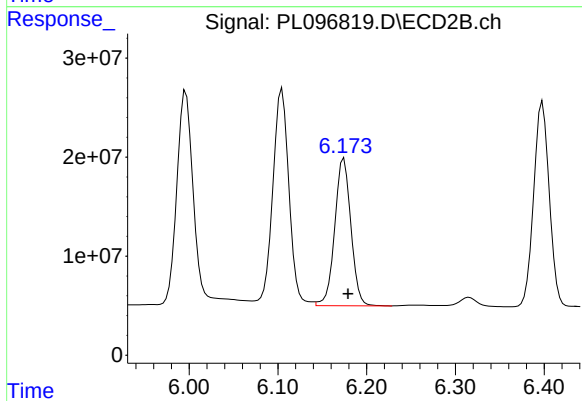
#17 4,4'-DDT

R.T.: 6.103 min
Delta R.T.: -0.006 min
Response: 265682609
Conc: 52.52 ng/ml m



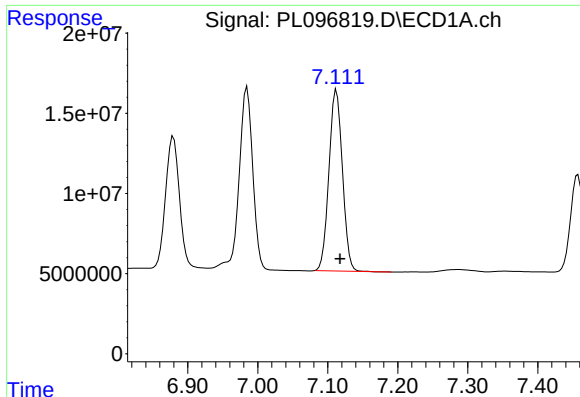
#18 Endrin aldehyde

R.T.: 6.878 min
Delta R.T.: -0.006 min
Response: 115149393
Conc: 53.66 ng/ml m



#18 Endrin aldehyde

R.T.: 6.174 min
Delta R.T.: -0.005 min
Response: 188393647
Conc: 51.83 ng/ml



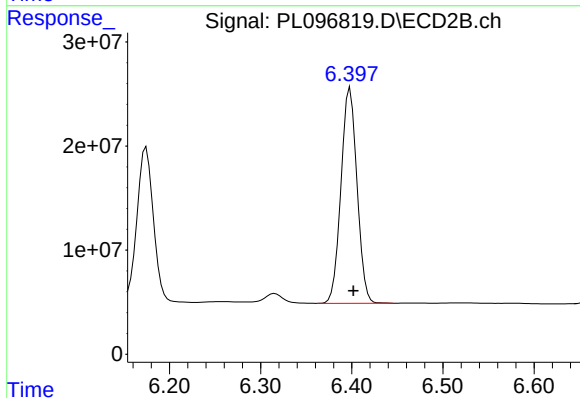
#19 Endosulfan Sulfate

R.T.: 7.113 min
Delta R.T.: -0.005 min
Response: 151067060
Conc: 52.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

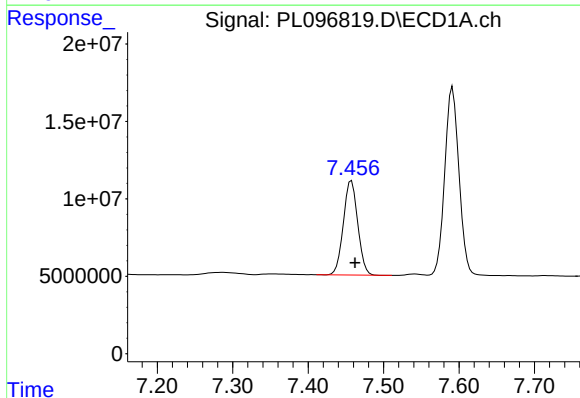
Manual Integrations
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Supervised By :mohammad ahmed 08/21/2025



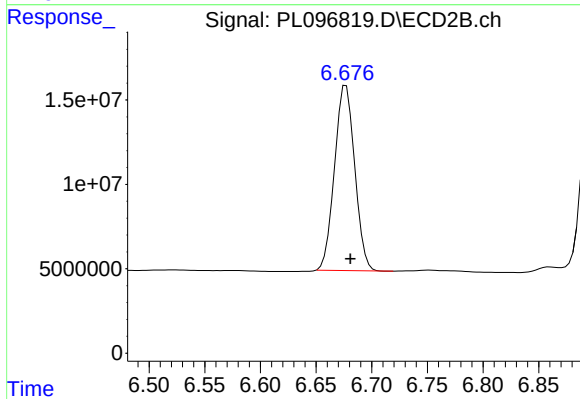
#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 252725524
Conc: 49.69 ng/ml



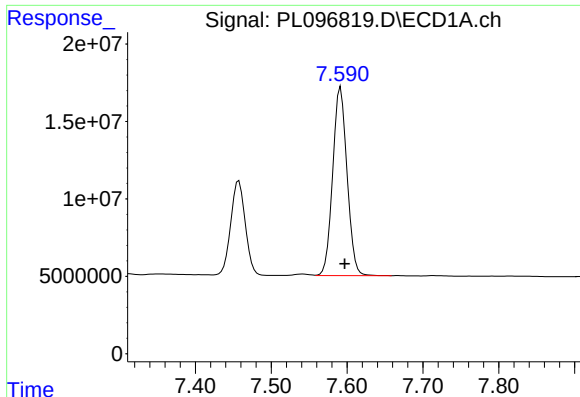
#20 Methoxychlor

R.T.: 7.457 min
Delta R.T.: -0.005 min
Response: 80618417
Conc: 54.90 ng/ml



#20 Methoxychlor

R.T.: 6.677 min
Delta R.T.: -0.004 min
Response: 138285984
Conc: 50.46 ng/ml



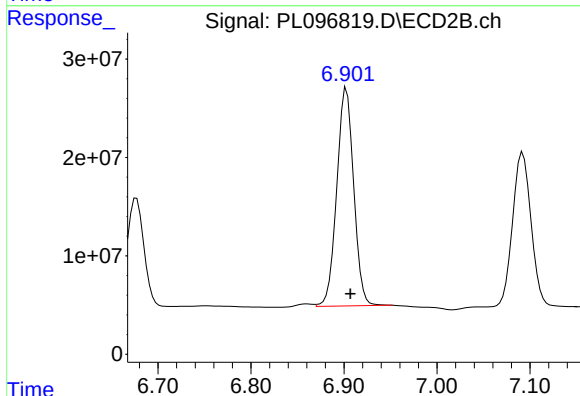
#21 Endrin ketone

R.T.: 7.592 min
Delta R.T.: -0.005 min
Response: 159725679
Conc: 53.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

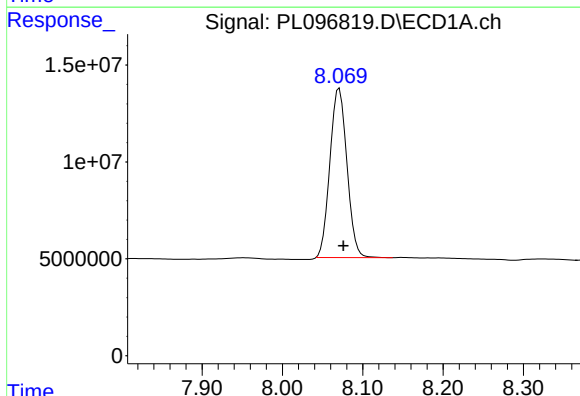
Manual Integrations
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Supervised By :mohammad ahmed 08/21/2025



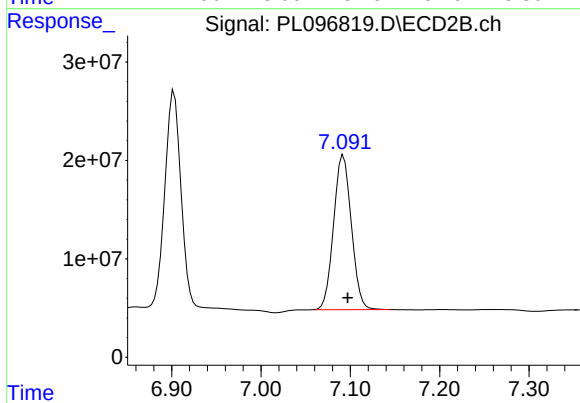
#21 Endrin ketone

R.T.: 6.903 min
Delta R.T.: -0.004 min
Response: 280283510
Conc: 50.32 ng/ml



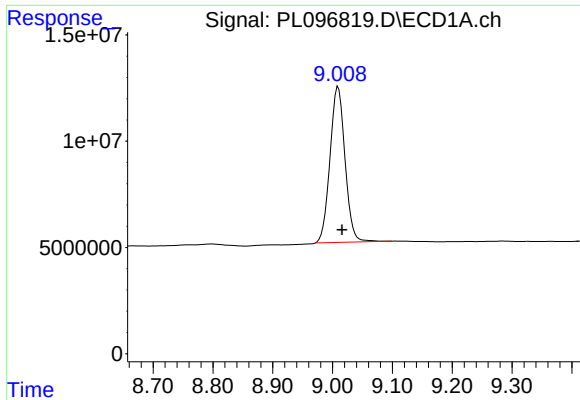
#22 Mirex

R.T.: 8.071 min
Delta R.T.: -0.005 min
Response: 128899173
Conc: 51.99 ng/ml



#22 Mirex

R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 216703290
Conc: 49.69 ng/ml



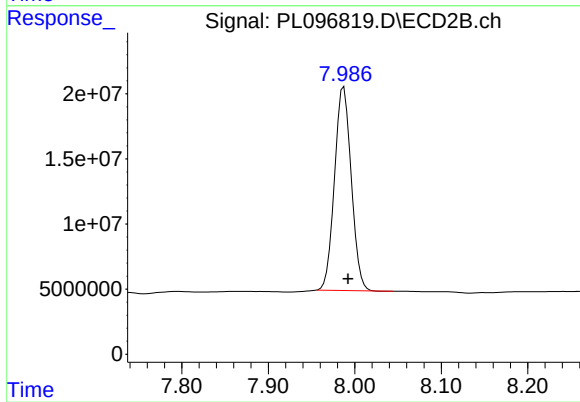
#28 Decachlorobiphenyl

R.T.: 9.009 min
Delta R.T.: -0.006 min
Response: 127780741
Conc: 53.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 209072671
Conc: 48.19 ng/ml



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: FIRS02

Lab Code: ACE

SDG NO.: Q2814

Continuing Calib Date: 08/15/2025

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

07/28/2025

Continuing Calib Time: 18:05

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	6.54	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	0.00
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



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: FIRS02

Lab Code: ACE

SDG NO.: Q2814

Continuing Calib Date: 08/15/2025

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

07/28/2025

Continuing Calib Time: 18:05

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:** FIRS02
Lab Code: ACE **SDG NO.:** Q2814
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/15/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096828.D **Time Analyzed:** 18:05

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.669	6.575	6.775	58.870	50.000	17.7
4,4'-DDE	6.160	6.066	6.266	55.770	50.000	11.5
4,4'-DDT	6.983	6.889	7.089	55.390	50.000	10.8
Aldrin	5.237	5.143	5.343	56.740	50.000	13.5
alpha-BHC	3.978	3.882	4.082	57.410	50.000	14.8
alpha-Chlordane	5.990	5.897	6.097	56.440	50.000	12.9
beta-BHC	4.491	4.397	4.597	57.600	50.000	15.2
Decachlorobiphenyl	9.003	8.916	9.116	54.120	50.000	8.2
delta-BHC	4.738	4.643	4.843	58.440	50.000	16.9
Dieldrin	6.310	6.216	6.416	56.090	50.000	12.2
Endosulfan I	6.038	5.944	6.144	55.200	50.000	10.4
Endosulfan II	6.747	6.655	6.855	55.660	50.000	11.3
Endosulfan sulfate	7.111	7.018	7.218	53.610	50.000	7.2
Endrin	6.535	6.442	6.642	56.360	50.000	12.7
Endrin aldehyde	6.878	6.784	6.984	58.580	50.000	17.2
Endrin ketone	7.590	7.497	7.697	54.130	50.000	8.3
gamma-BHC (Lindane)	4.304	4.210	4.410	57.370	50.000	14.7
gamma-Chlordane	5.910	5.816	6.016	57.270	50.000	14.5
Heptachlor	4.896	4.803	5.003	59.580	50.000	19.2
Heptachlor epoxide	5.656	5.562	5.762	58.260	50.000	16.5
Methoxychlor	7.456	7.362	7.562	53.330	50.000	6.7
Tetrachloro-m-xylene	3.531	3.435	3.635	56.840	50.000	13.7



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** FIRS02
Lab Code: ACE **SDG NO.:** Q2814
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/15/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096828.D **Time Analyzed:** 18:05

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.853	5.756	5.956	53.650	50.000	7.3
4,4'-DDE	5.300	5.204	5.404	53.590	50.000	7.2
4,4'-DDT	6.105	6.009	6.209	53.130	50.000	6.3
Aldrin	4.294	4.197	4.397	54.340	50.000	8.7
alpha-BHC	3.331	3.233	3.433	55.370	50.000	10.7
alpha-Chlordane	5.112	5.015	5.215	53.060	50.000	6.1
beta-BHC	3.959	3.861	4.061	55.140	50.000	10.3
Decachlorobiphenyl	7.986	7.892	8.092	53.020	50.000	6.0
delta-BHC	4.192	4.095	4.295	55.180	50.000	10.4
Dieldrin	5.430	5.334	5.534	53.900	50.000	7.8
Endosulfan I	5.166	5.069	5.269	50.900	50.000	1.8
Endosulfan II	5.997	5.901	6.101	53.150	50.000	6.3
Endosulfan sulfate	6.398	6.302	6.502	52.730	50.000	5.5
Endrin	5.705	5.609	5.809	52.740	50.000	5.5
Endrin aldehyde	6.175	6.079	6.279	57.110	50.000	14.2
Endrin ketone	6.902	6.807	7.007	56.500	50.000	13.0
gamma-BHC (Lindane)	3.663	3.565	3.765	55.150	50.000	10.3
gamma-Chlordane	5.047	4.951	5.151	54.270	50.000	8.5
Heptachlor	4.011	3.914	4.114	53.780	50.000	7.6
Heptachlor epoxide	4.796	4.699	4.899	53.570	50.000	7.1
Methoxychlor	6.677	6.581	6.781	52.380	50.000	4.8
Tetrachloro-m-xylene	2.826	2.728	2.928	54.950	50.000	9.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
 Data File : PL096828.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 18:05
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/18/2025
 Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 05:55:47 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	180.8E6	262.6E6	56.837	54.955
2)	SA Decachlor...	9.003	7.986	129.1E6	230.0E6	54.118m	53.015
Target Compounds							
2)	A alpha-BHC	3.978	3.331	265.6E6	391.8E6	57.410	55.367
3)	MA gamma-BHC...	4.304	3.663	253.8E6	364.2E6	57.374m	55.153
4)	MA Heptachlor	4.896	4.011	247.6E6	358.3E6	59.585m	53.779
5)	MB Aldrin	5.237	4.294	244.0E6	337.3E6	56.736	54.343
6)	B beta-BHC	4.491	3.959	104.0E6	155.5E6	57.599m	55.137
7)	B delta-BHC	4.738	4.192	233.2E6	357.2E6	58.436	55.177
8)	B Heptachlo...	5.656	4.796	224.7E6	306.0E6	58.256	53.572
9)	A Endosulfan I	6.038	5.166	198.5E6	281.6E6	55.197	50.904
10)	B gamma-Chl...	5.910	5.047	217.9E6	319.1E6	57.272	54.270
11)	B alpha-Chl...	5.990	5.112	217.6E6	313.0E6	56.444	53.056
12)	B 4,4'-DDE	6.160	5.300	179.1E6	295.5E6	55.767	53.587
13)	MA Dieldrin	6.310	5.430	208.1E6	318.4E6	56.087	53.901m
14)	MA Endrin	6.535	5.705	170.6E6	285.1E6	56.360m	52.735
15)	B Endosulfa...	6.747	5.997	178.3E6	273.0E6	55.661m	53.148
16)	A 4,4'-DDD	6.669	5.853	148.8E6	252.4E6	58.869	53.649
17)	MA 4,4'-DDT	6.983	6.105	158.8E6	268.7E6	55.393	53.128
18)	B Endrin al...	6.878	6.175	125.7E6	207.6E6	58.576	57.110
19)	B Endosulfa...	7.111	6.398	154.1E6	268.2E6	53.613	52.730
20)	A Methoxychlor	7.456	6.677	78302387	143.6E6	53.327	52.384
21)	B Endrin ke...	7.590	6.902	162.8E6	314.7E6	54.131	56.503
22)	Mirex	8.067	7.092	132.7E6	232.2E6	53.538m	53.257

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096828.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 18:05
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

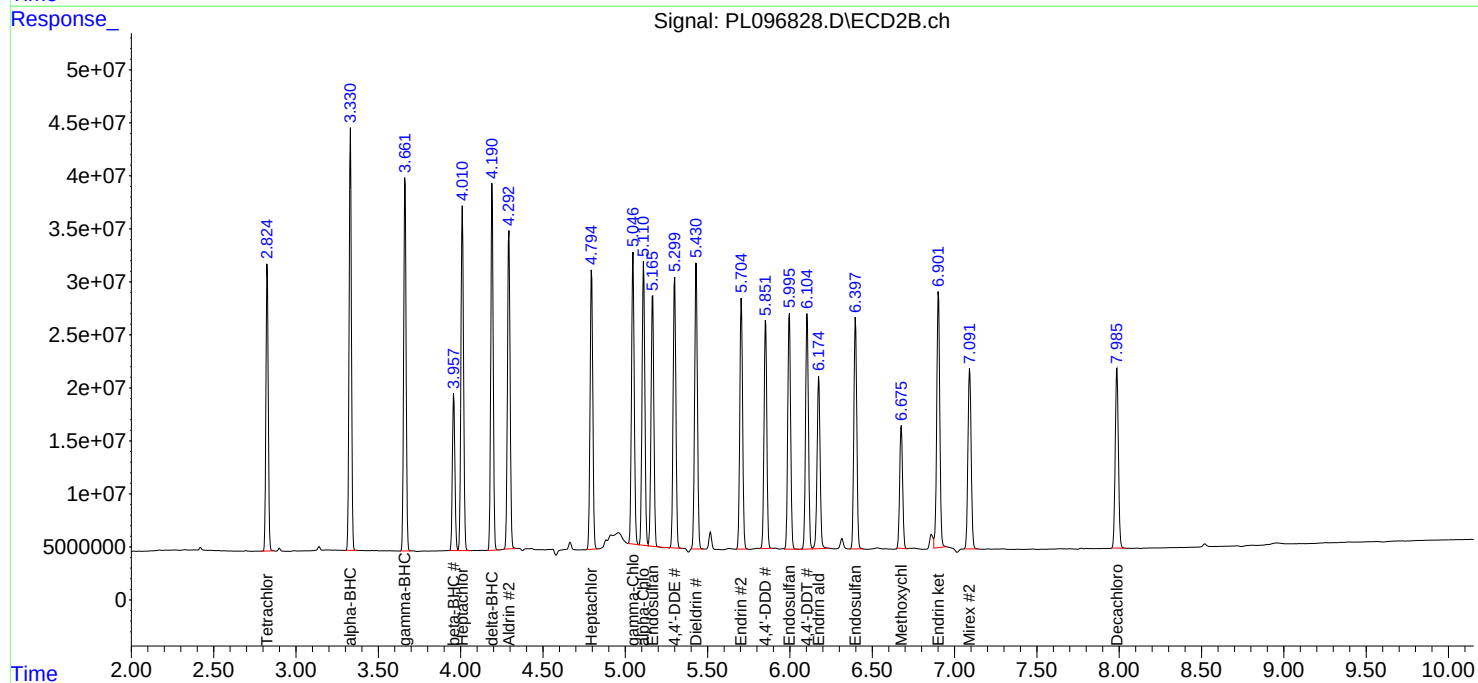
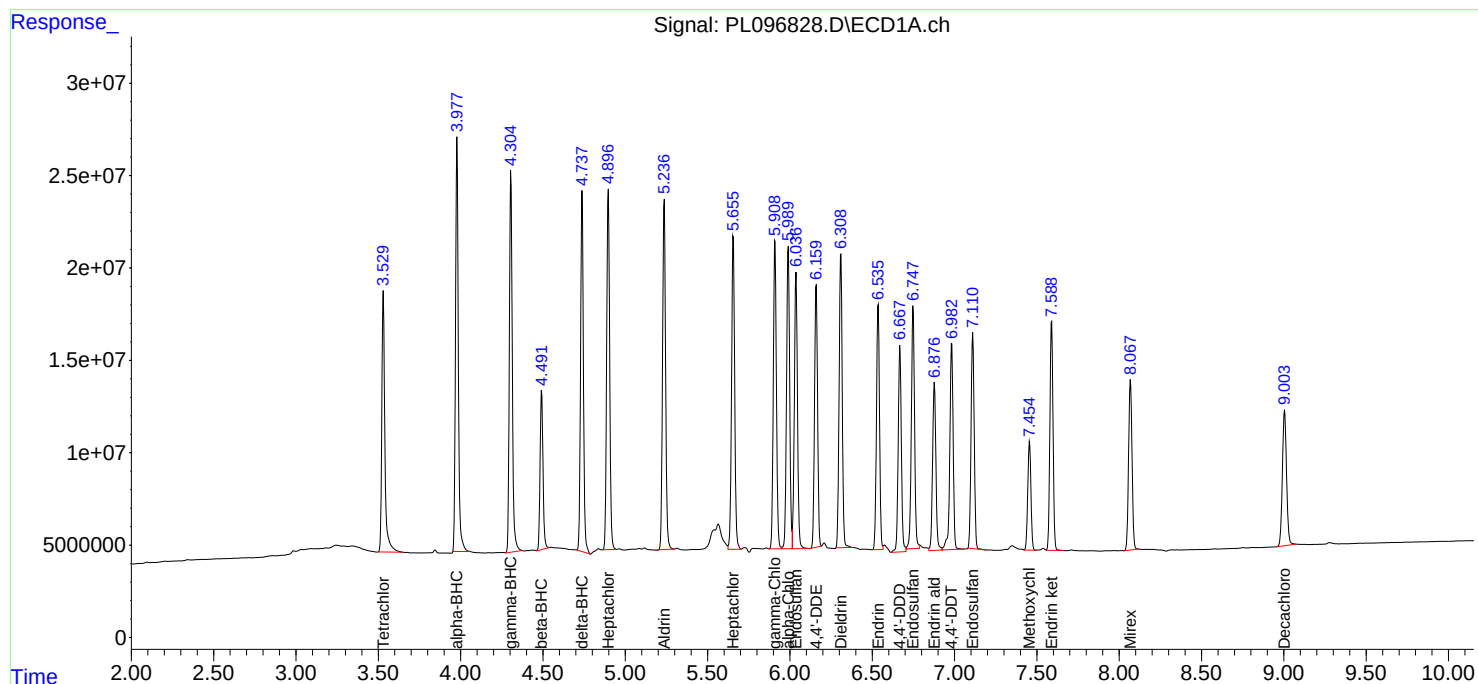
APPROVED

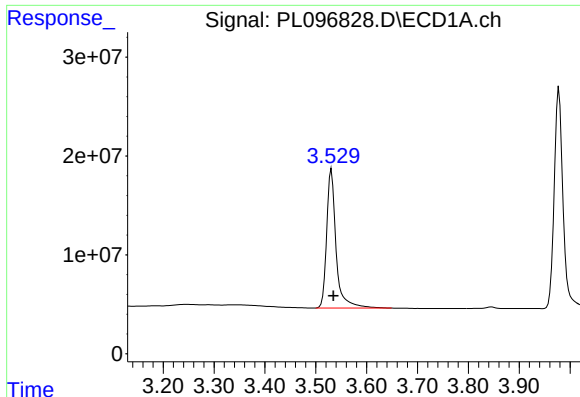
Reviewed By :Abdul Mirza 08/18/2025

Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:55:47 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





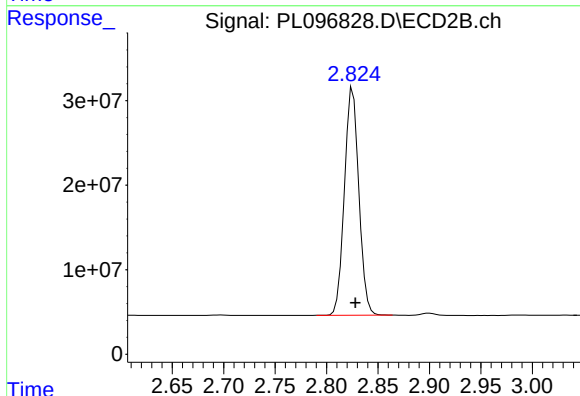
#1 Tetrachloro-m-xylene

R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 180784769
Conc: 56.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

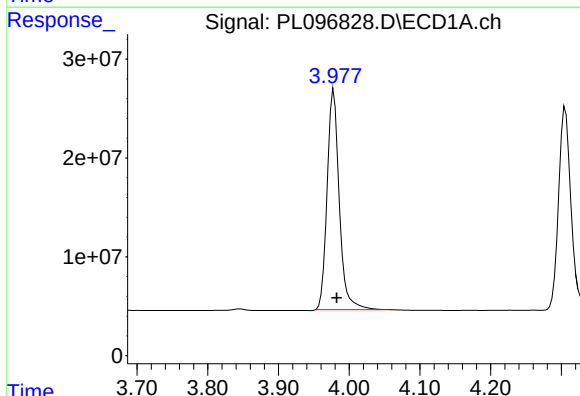
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



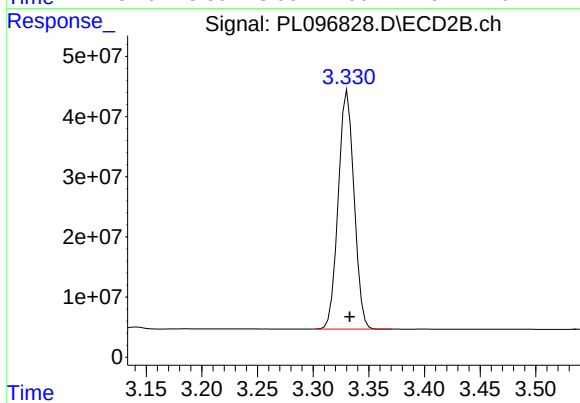
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 262561642
Conc: 54.95 ng/ml



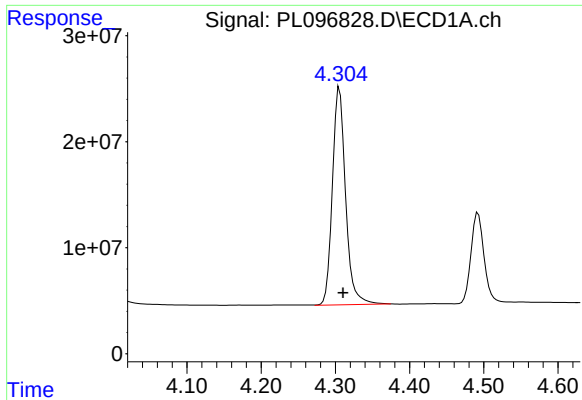
#2 alpha-BHC

R.T.: 3.978 min
Delta R.T.: -0.004 min
Response: 265600436
Conc: 57.41 ng/ml



#2 alpha-BHC

R.T.: 3.331 min
Delta R.T.: -0.002 min
Response: 391837029
Conc: 55.37 ng/ml



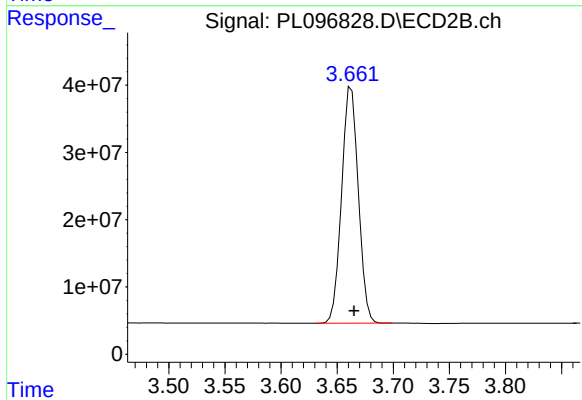
#3 gamma-BHC (Lindane)

R.T.: 4.304 min
Delta R.T.: -0.006 min
Response: 253789840
Conc: 57.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

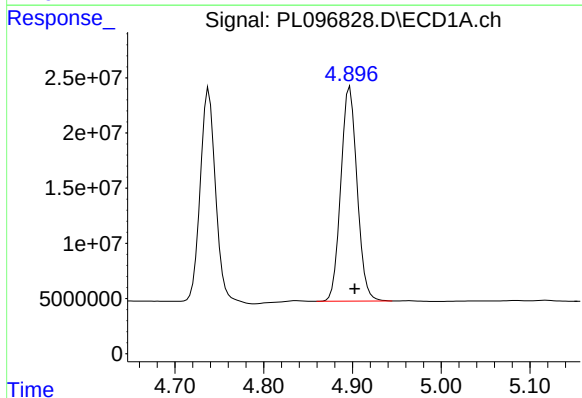
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



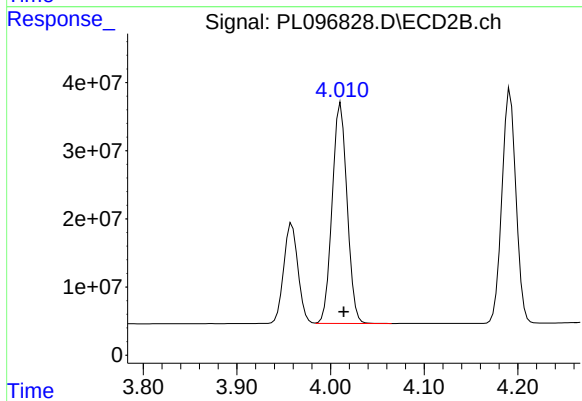
#3 gamma-BHC (Lindane)

R.T.: 3.663 min
Delta R.T.: -0.002 min
Response: 364194496
Conc: 55.15 ng/ml



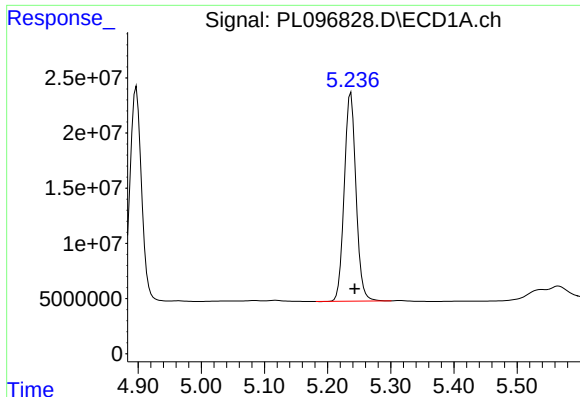
#4 Heptachlor

R.T.: 4.896 min
Delta R.T.: -0.007 min
Response: 247615227
Conc: 59.58 ng/ml m



#4 Heptachlor

R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 358273285
Conc: 53.78 ng/ml



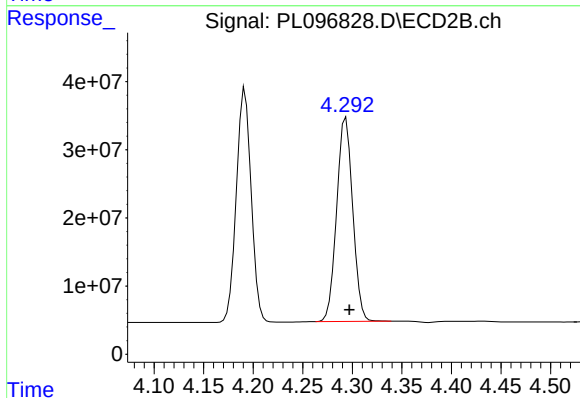
#5 Aldrin

R.T.: 5.237 min
Delta R.T.: -0.006 min
Response: 244022336
Conc: 56.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

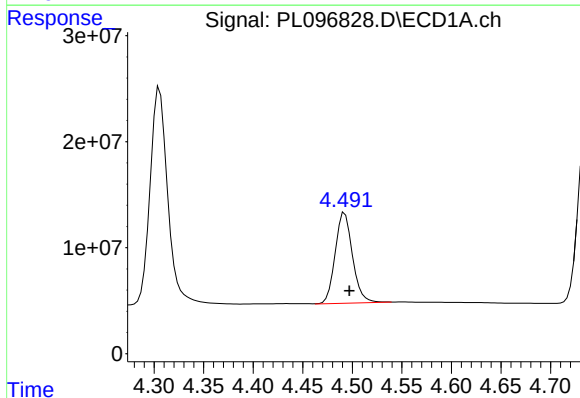
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



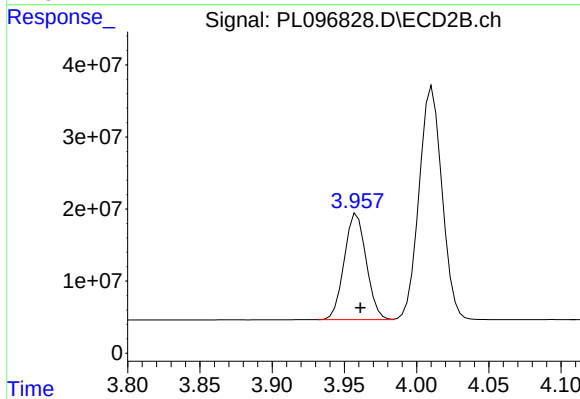
#5 Aldrin

R.T.: 4.294 min
Delta R.T.: -0.003 min
Response: 337308377
Conc: 54.34 ng/ml



#6 beta-BHC

R.T.: 4.491 min
Delta R.T.: -0.006 min
Response: 103963562
Conc: 57.60 ng/ml m

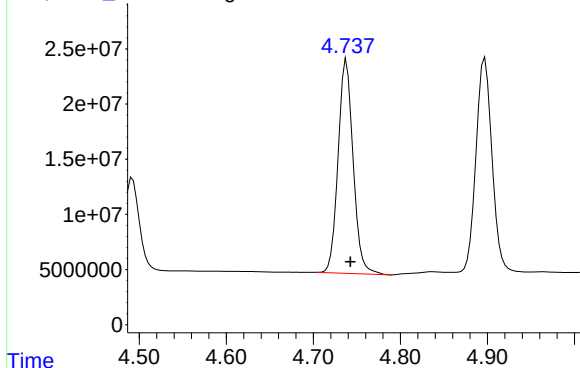


#6 beta-BHC

R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 155535841
Conc: 55.14 ng/ml

Response_ Signal: PL096828.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.738 min
Delta R.T.: -0.004 min
Response: 233150376
Conc: 58.44 ng/ml

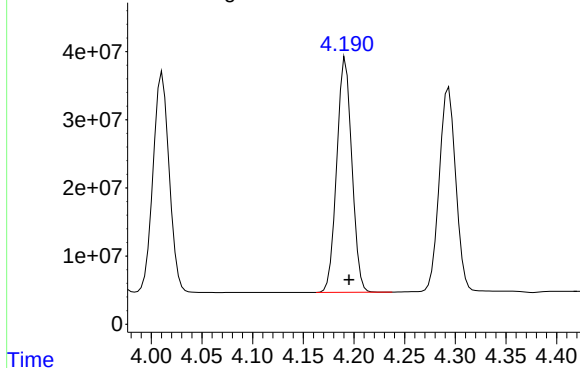
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025

Response_ Signal: PL096828.D\ECD2B.ch

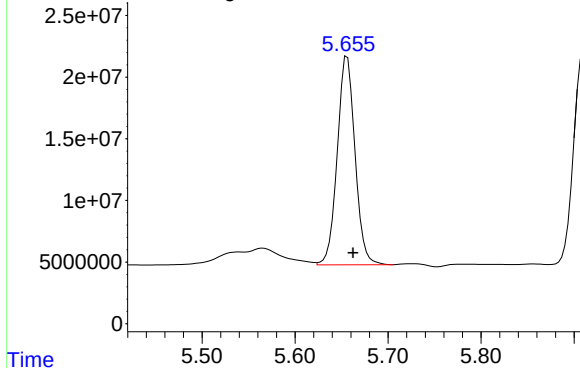
#7 delta-BHC



R.T.: 4.192 min
Delta R.T.: -0.003 min
Response: 357192657
Conc: 55.18 ng/ml

Response_ Signal: PL096828.D\ECD1A.ch

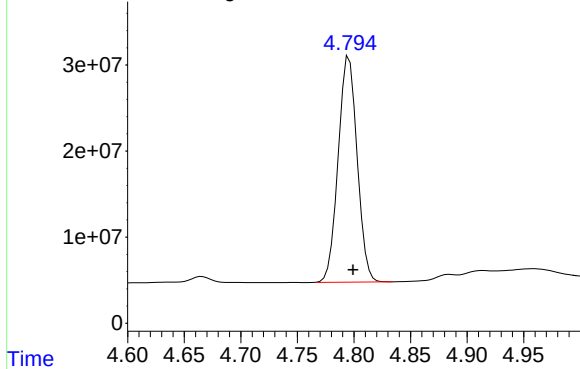
#8 Heptachlor epoxide



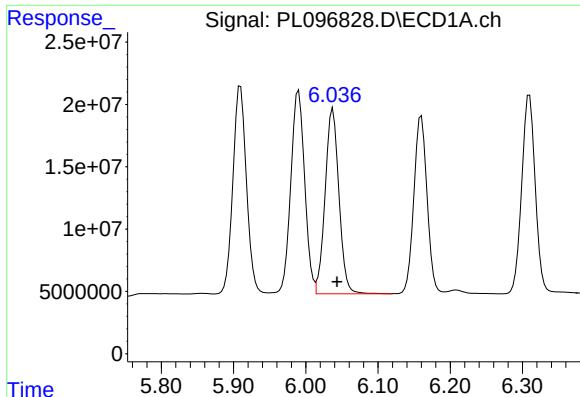
R.T.: 5.656 min
Delta R.T.: -0.006 min
Response: 224665911
Conc: 58.26 ng/ml

Response_ Signal: PL096828.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.796 min
Delta R.T.: -0.003 min
Response: 305967969
Conc: 53.57 ng/ml



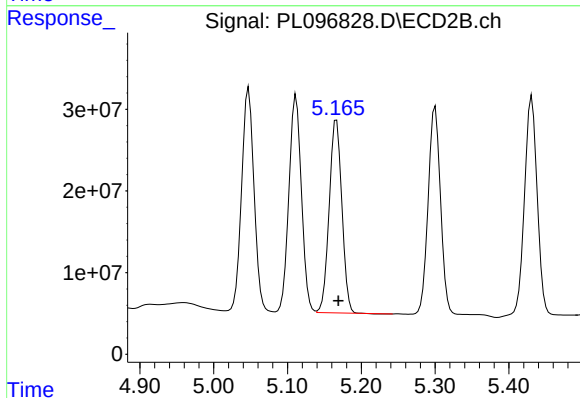
#9 Endosulfan I

R.T.: 6.038 min
Delta R.T.: -0.006 min
Response: 198508279
Conc: 55.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

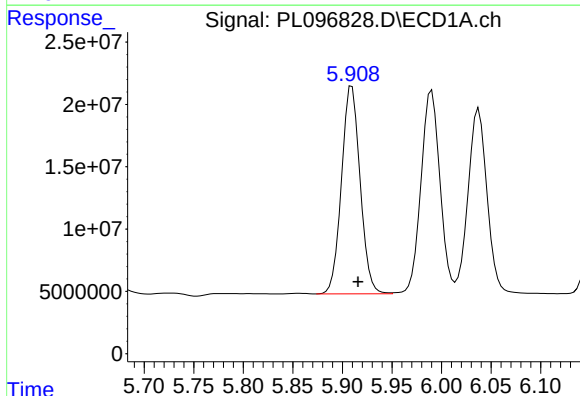
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



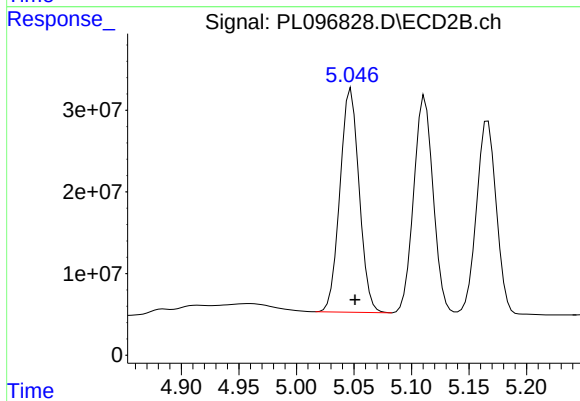
#9 Endosulfan I

R.T.: 5.166 min
Delta R.T.: -0.003 min
Response: 281573435
Conc: 50.90 ng/ml



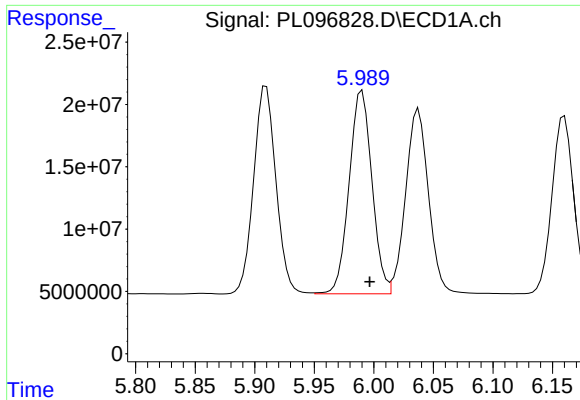
#10 gamma-Chlordane

R.T.: 5.910 min
Delta R.T.: -0.006 min
Response: 217933444
Conc: 57.27 ng/ml



#10 gamma-Chlordane

R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 319111731
Conc: 54.27 ng/ml



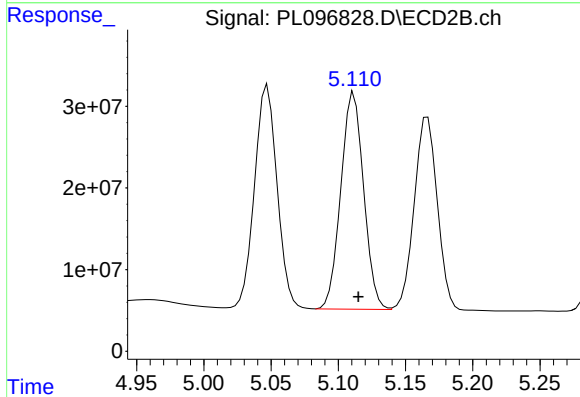
#11 alpha-Chlordane

R.T.: 5.990 min
Delta R.T.: -0.006 min
Response: 217573409
Conc: 56.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

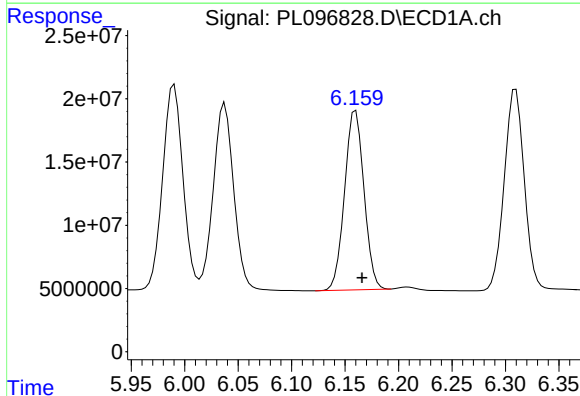
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



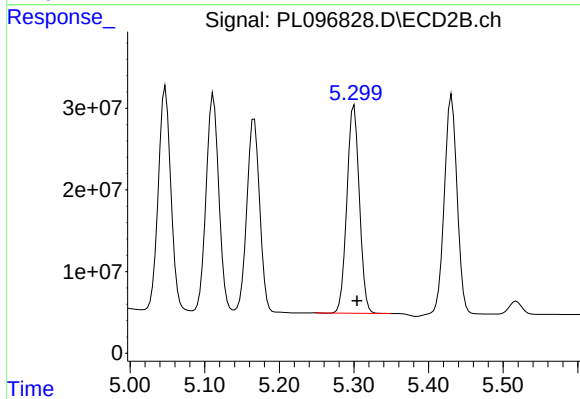
#11 alpha-Chlordane

R.T.: 5.112 min
Delta R.T.: -0.003 min
Response: 312970390
Conc: 53.06 ng/ml



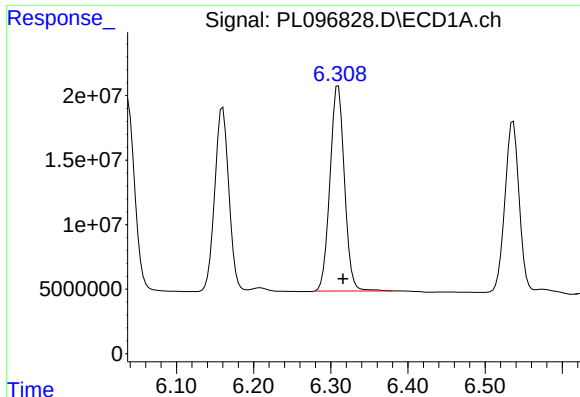
#12 4,4'-DDE

R.T.: 6.160 min
Delta R.T.: -0.006 min
Response: 179083022
Conc: 55.77 ng/ml



#12 4,4'-DDE

R.T.: 5.300 min
Delta R.T.: -0.004 min
Response: 295499974
Conc: 53.59 ng/ml



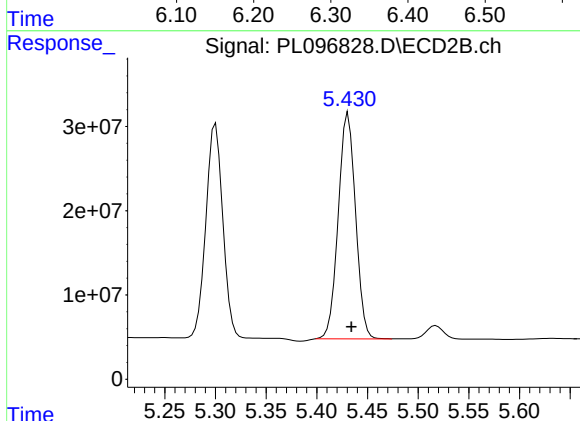
#13 Dieldrin

R.T.: 6.310 min
Delta R.T.: -0.006 min
Response: 208146865
Conc: 56.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

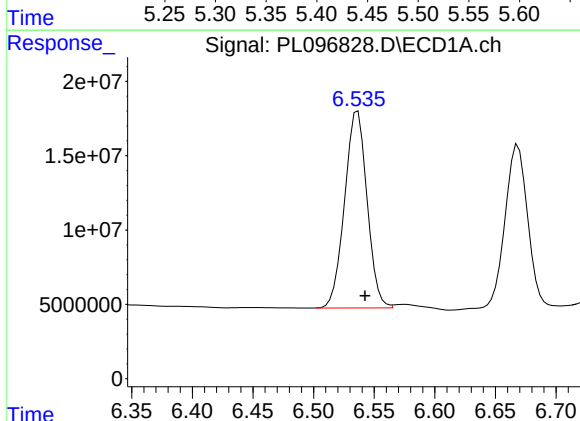
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



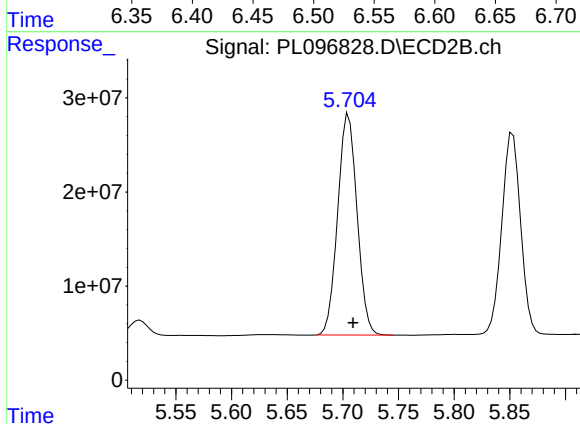
#13 Dieldrin

R.T.: 5.430 min
Delta R.T.: -0.004 min
Response: 318371693
Conc: 53.90 ng/ml m



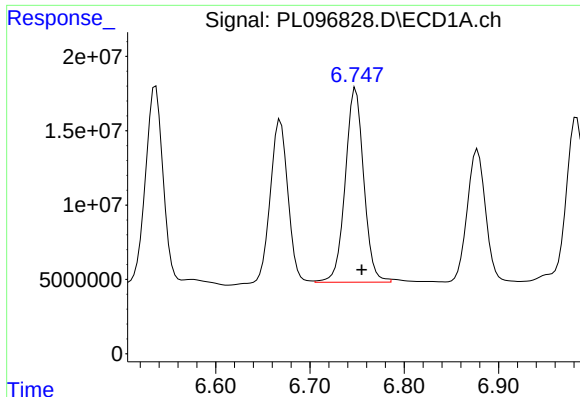
#14 Endrin

R.T.: 6.535 min
Delta R.T.: -0.007 min
Response: 170590132
Conc: 56.36 ng/ml m



#14 Endrin

R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 285083802
Conc: 52.74 ng/ml



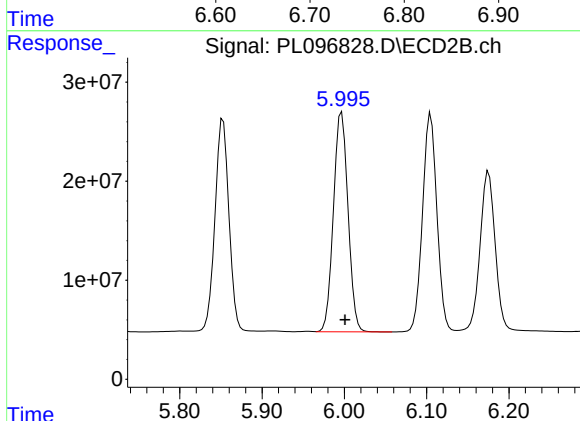
#15 Endosulfan II

R.T.: 6.747 min
Delta R.T.: -0.008 min
Response: 178261308
Conc: 55.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

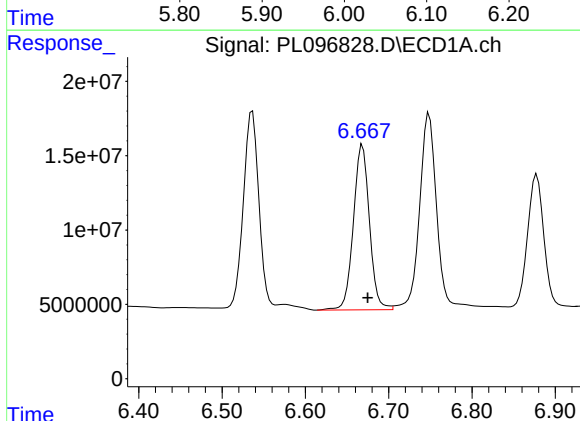
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



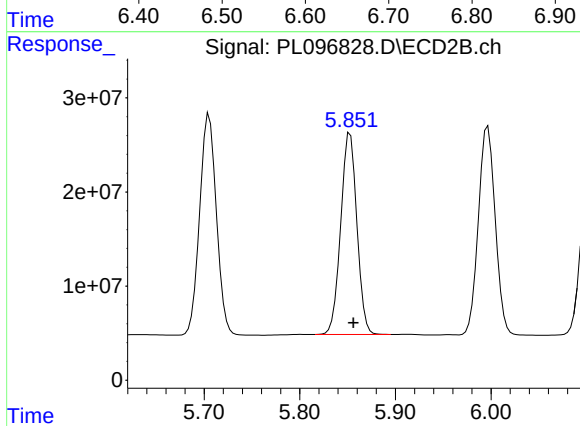
#15 Endosulfan II

R.T.: 5.997 min
Delta R.T.: -0.004 min
Response: 272979738
Conc: 53.15 ng/ml



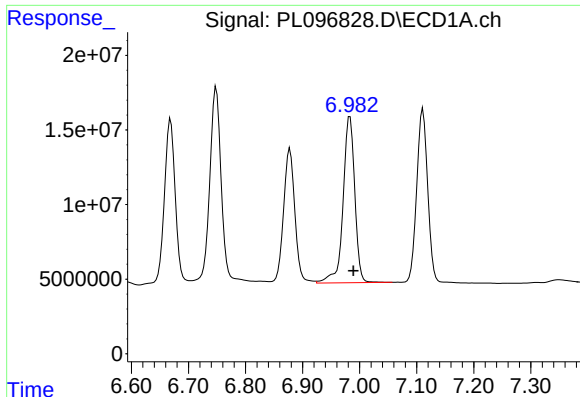
#16 4,4'-DDD

R.T.: 6.669 min
Delta R.T.: -0.006 min
Response: 148842821
Conc: 58.87 ng/ml



#16 4,4'-DDD

R.T.: 5.853 min
Delta R.T.: -0.003 min
Response: 252433717
Conc: 53.65 ng/ml



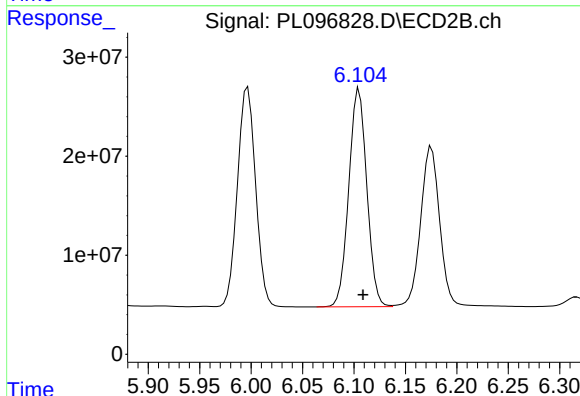
#17 4,4'-DDT

R.T.: 6.983 min
Delta R.T.: -0.006 min
Response: 158848972
Conc: 55.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

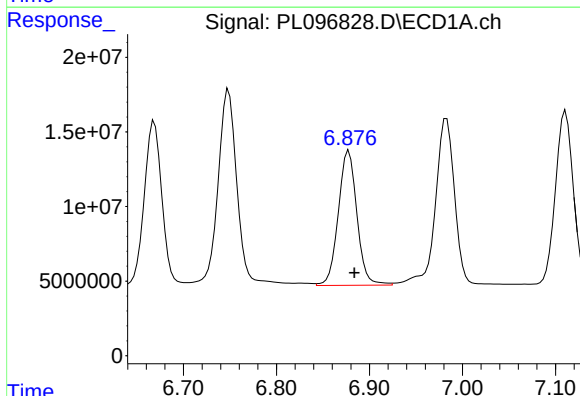
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



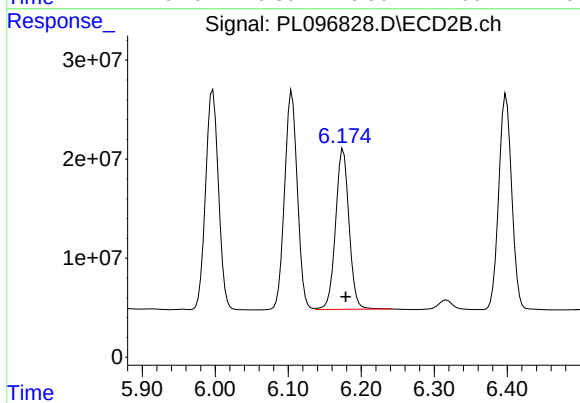
#17 4,4'-DDT

R.T.: 6.105 min
Delta R.T.: -0.004 min
Response: 268739257
Conc: 53.13 ng/ml



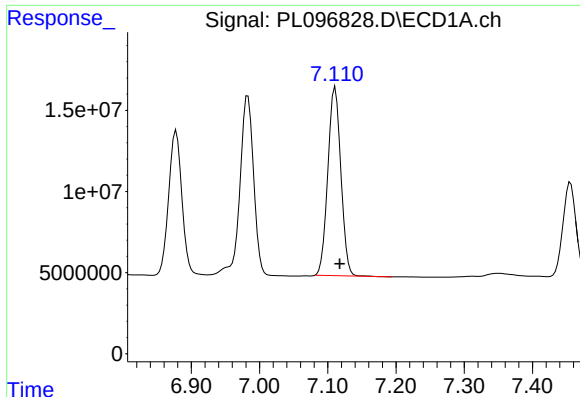
#18 Endrin aldehyde

R.T.: 6.878 min
Delta R.T.: -0.006 min
Response: 125699655
Conc: 58.58 ng/ml



#18 Endrin aldehyde

R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 207597724
Conc: 57.11 ng/ml



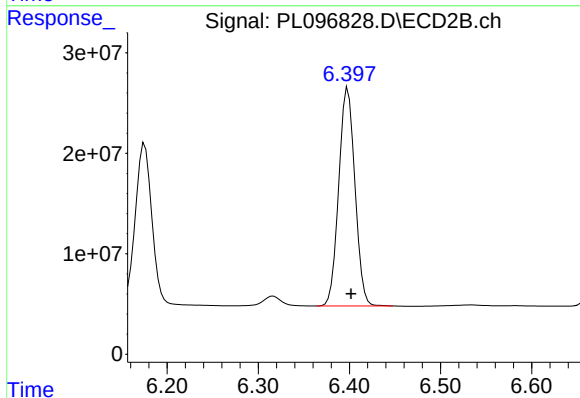
#19 Endosulfan Sulfate

R.T.: 7.111 min
Delta R.T.: -0.007 min
Response: 154065949
Conc: 53.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

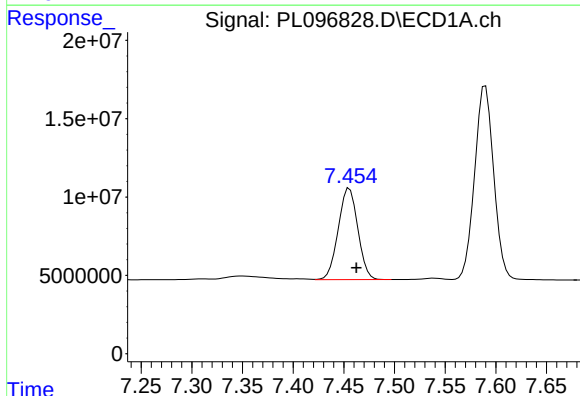
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



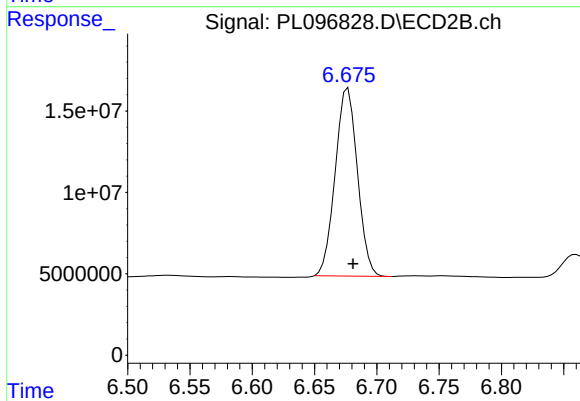
#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 268193619
Conc: 52.73 ng/ml



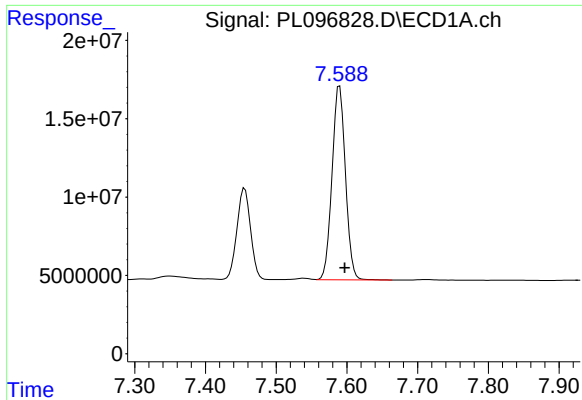
#20 Methoxychlor

R.T.: 7.456 min
Delta R.T.: -0.007 min
Response: 78302387
Conc: 53.33 ng/ml



#20 Methoxychlor

R.T.: 6.677 min
Delta R.T.: -0.004 min
Response: 143559352
Conc: 52.38 ng/ml



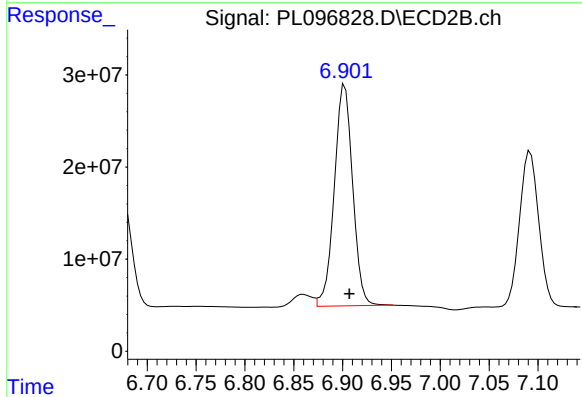
#21 Endrin ketone

R.T.: 7.590 min
Delta R.T.: -0.007 min
Response: 162756760
Conc: 54.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

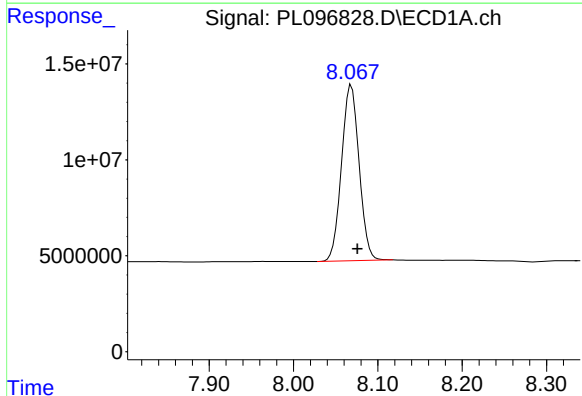
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



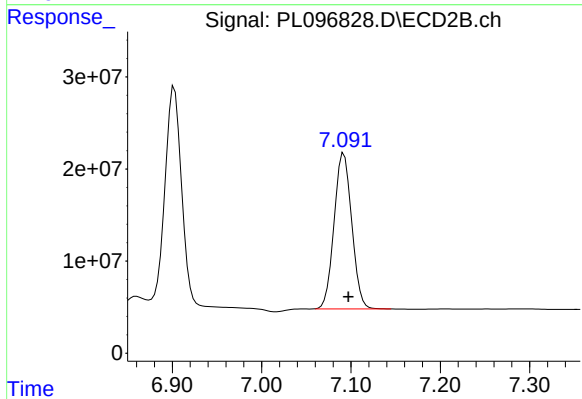
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 314706868
Conc: 56.50 ng/ml



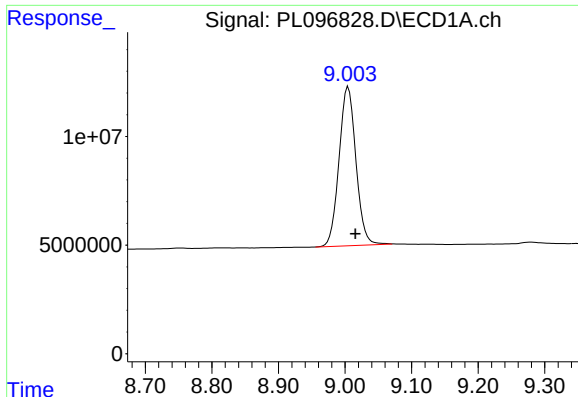
#22 Mirex

R.T.: 8.067 min
Delta R.T.: -0.009 min
Response: 132739312
Conc: 53.54 ng/ml m



#22 Mirex

R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 232248246
Conc: 53.26 ng/ml



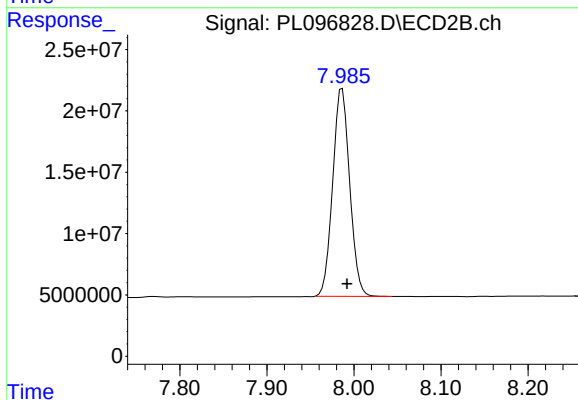
#28 Decachlorobiphenyl

R.T.: 9.003 min
Delta R.T.: -0.012 min
Response: 129052895
Conc: 54.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 229997908
Conc: 53.02 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: FIRS02

Lab Code: ACE

SDG NO.: Q2814

Continuing Calib Date: 08/15/2025

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

07/28/2025

Continuing Calib Time: 20:48

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	7.46	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: FIRS02

Lab Code: ACE

SDG NO.: Q2814

Continuing Calib Date: 08/15/2025

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

07/28/2025

Continuing Calib Time: 20:48

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	0.01
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	5.71	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	6.17	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:** FIRS02
Lab Code: ACE **SDG NO.:** Q2814
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/15/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096837.D **Time Analyzed:** 20:48

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.666	6.575	6.775	57.930	50.000	15.9
4,4'-DDE	6.159	6.066	6.266	57.590	50.000	15.2
4,4'-DDT	6.982	6.889	7.089	52.850	50.000	5.7
Aldrin	5.236	5.143	5.343	56.540	50.000	13.1
alpha-BHC	3.978	3.882	4.082	57.800	50.000	15.6
alpha-Chlordane	5.989	5.897	6.097	57.290	50.000	14.6
beta-BHC	4.492	4.397	4.597	56.550	50.000	13.1
Decachlorobiphenyl	9.003	8.916	9.116	55.610	50.000	11.2
delta-BHC	4.738	4.643	4.843	58.560	50.000	17.1
Dieldrin	6.309	6.216	6.416	53.720	50.000	7.4
Endosulfan I	6.037	5.944	6.144	54.910	50.000	9.8
Endosulfan II	6.746	6.655	6.855	54.430	50.000	8.9
Endosulfan sulfate	7.110	7.018	7.218	52.570	50.000	5.1
Endrin	6.534	6.442	6.642	55.170	50.000	10.3
Endrin aldehyde	6.877	6.784	6.984	57.720	50.000	15.4
Endrin ketone	7.589	7.497	7.697	54.290	50.000	8.6
gamma-BHC (Lindane)	4.306	4.210	4.410	56.580	50.000	13.2
gamma-Chlordane	5.909	5.816	6.016	56.630	50.000	13.3
Heptachlor	4.897	4.803	5.003	59.810	50.000	19.6
Heptachlor epoxide	5.655	5.562	5.762	57.880	50.000	15.8
Methoxychlor	7.455	7.362	7.562	50.240	50.000	0.5
Tetrachloro-m-xylene	3.531	3.435	3.635	56.820	50.000	13.6



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** FIRS02
Lab Code: ACE **SDG NO.:** Q2814
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/28/2025 07/28/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/15/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL096837.D **Time Analyzed:** 20:48

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.852	5.756	5.956	53.330	50.000	6.7
4,4'-DDE	5.300	5.204	5.404	52.450	50.000	4.9
4,4'-DDT	6.104	6.009	6.209	50.060	50.000	0.1
Aldrin	4.293	4.197	4.397	53.730	50.000	7.5
alpha-BHC	3.331	3.233	3.433	54.720	50.000	9.4
alpha-Chlordane	5.111	5.015	5.215	52.090	50.000	4.2
beta-BHC	3.959	3.861	4.061	54.180	50.000	8.4
Decachlorobiphenyl	7.986	7.892	8.092	53.590	50.000	7.2
delta-BHC	4.191	4.095	4.295	54.240	50.000	8.5
Dieldrin	5.429	5.334	5.534	53.320	50.000	6.6
Endosulfan I	5.165	5.069	5.269	50.950	50.000	1.9
Endosulfan II	5.996	5.901	6.101	51.630	50.000	3.3
Endosulfan sulfate	6.397	6.302	6.502	51.600	50.000	3.2
Endrin	5.705	5.609	5.809	50.690	50.000	1.4
Endrin aldehyde	6.174	6.079	6.279	55.330	50.000	10.7
Endrin ketone	6.902	6.807	7.007	55.370	50.000	10.7
gamma-BHC (Lindane)	3.662	3.565	3.765	54.430	50.000	8.9
gamma-Chlordane	5.047	4.951	5.151	53.120	50.000	6.2
Heptachlor	4.011	3.914	4.114	52.430	50.000	4.9
Heptachlor epoxide	4.795	4.699	4.899	52.480	50.000	5.0
Methoxychlor	6.675	6.581	6.781	49.390	50.000	-1.2
Tetrachloro-m-xylene	2.826	2.728	2.928	54.380	50.000	8.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
 Data File : PL096837.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 20:48
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/18/2025
 Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 05:57:12 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	180.7E6	259.8E6	56.821	54.377
28)	SA Decachlor...	9.003	7.986	132.6E6	232.5E6	55.611m	53.593
Target Compounds							
2)	A alpha-BHC	3.978	3.331	267.4E6	387.3E6	57.804	54.723
3)	MA gamma-BHC...	4.306	3.662	250.3E6	359.4E6	56.575	54.433
4)	MA Heptachlor	4.897	4.011	248.6E6	349.3E6	59.815	52.431
5)	MB Aldrin	5.236	4.293	243.2E6	333.5E6	56.545	53.727
6)	B beta-BHC	4.492	3.959	102.1E6	152.8E6	56.545	54.179
7)	B delta-BHC	4.738	4.191	233.6E6	351.1E6	58.557	54.240
8)	B Heptachlo...	5.655	4.795	223.2E6	299.7E6	57.882	52.481
9)	A Endosulfan I	6.037	5.165	197.5E6	281.8E6	54.908	50.952
10)	B gamma-Chl...	5.909	5.047	215.5E6	312.4E6	56.629	53.124
11)	B alpha-Chl...	5.989	5.111	220.8E6	307.3E6	57.290	52.088
12)	B 4,4'-DDE	6.159	5.300	184.9E6	289.2E6	57.588	52.452
13)	MA Dieldrin	6.309	5.429	199.4E6	314.9E6	53.723	53.317m
14)	MA Endrin	6.534	5.705	167.0E6	274.0E6	55.174m	50.691
15)	B Endosulfa...	6.746	5.996	174.3E6	265.2E6	54.433m	51.634
16)	A 4,4'-DDD	6.666	5.852	146.5E6	250.9E6	57.934m	53.334
17)	MA 4,4'-DDT	6.982	6.104	151.5E6	253.2E6	52.846	50.063
18)	B Endrin al...	6.877	6.174	123.9E6	201.1E6	57.722	55.332
19)	B Endosulfa...	7.110	6.397	151.1E6	262.5E6	52.573	51.602
20)	A Methoxychlor	7.455	6.675	73772766	135.4E6	50.242	49.391m
21)	B Endrin ke...	7.589	6.902	163.2E6	308.4E6	54.287	55.366
22)	Mirex	8.067	7.092	131.0E6	227.3E6	52.849m	52.122

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096837.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 20:48
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

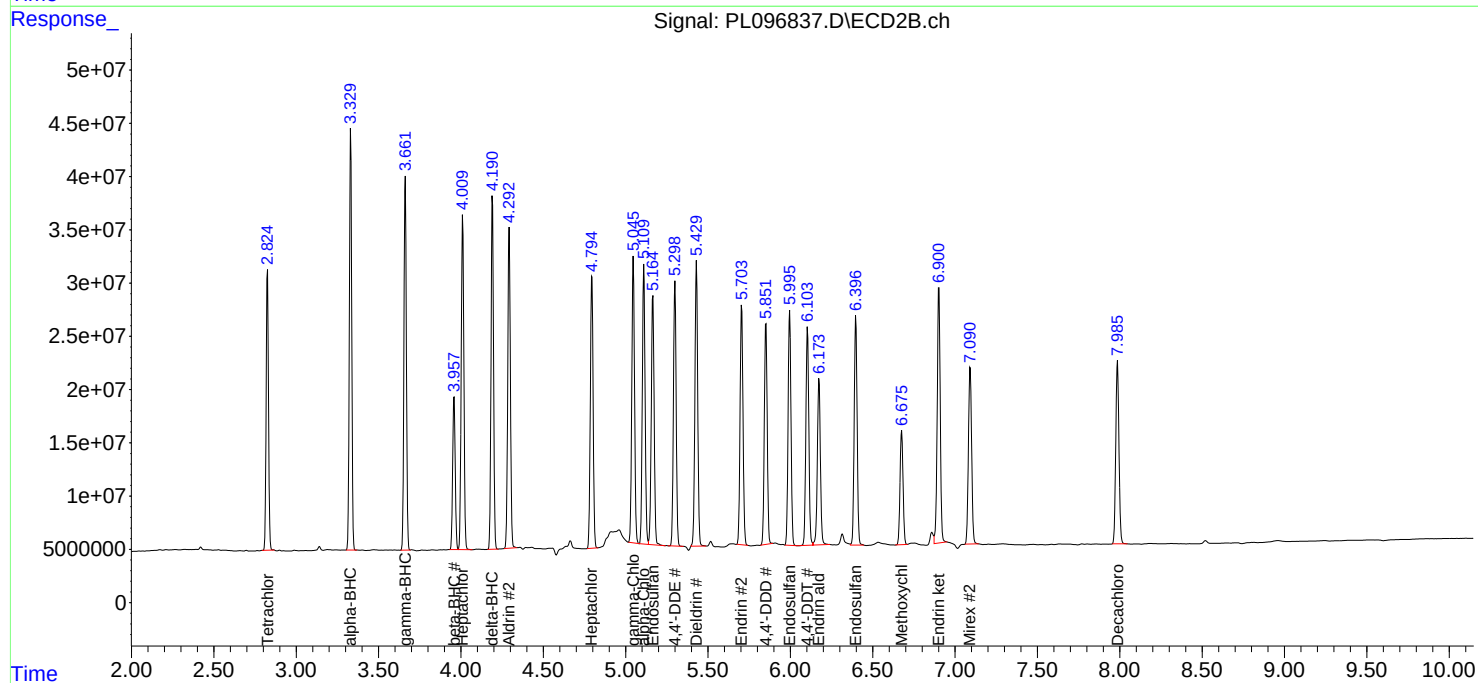
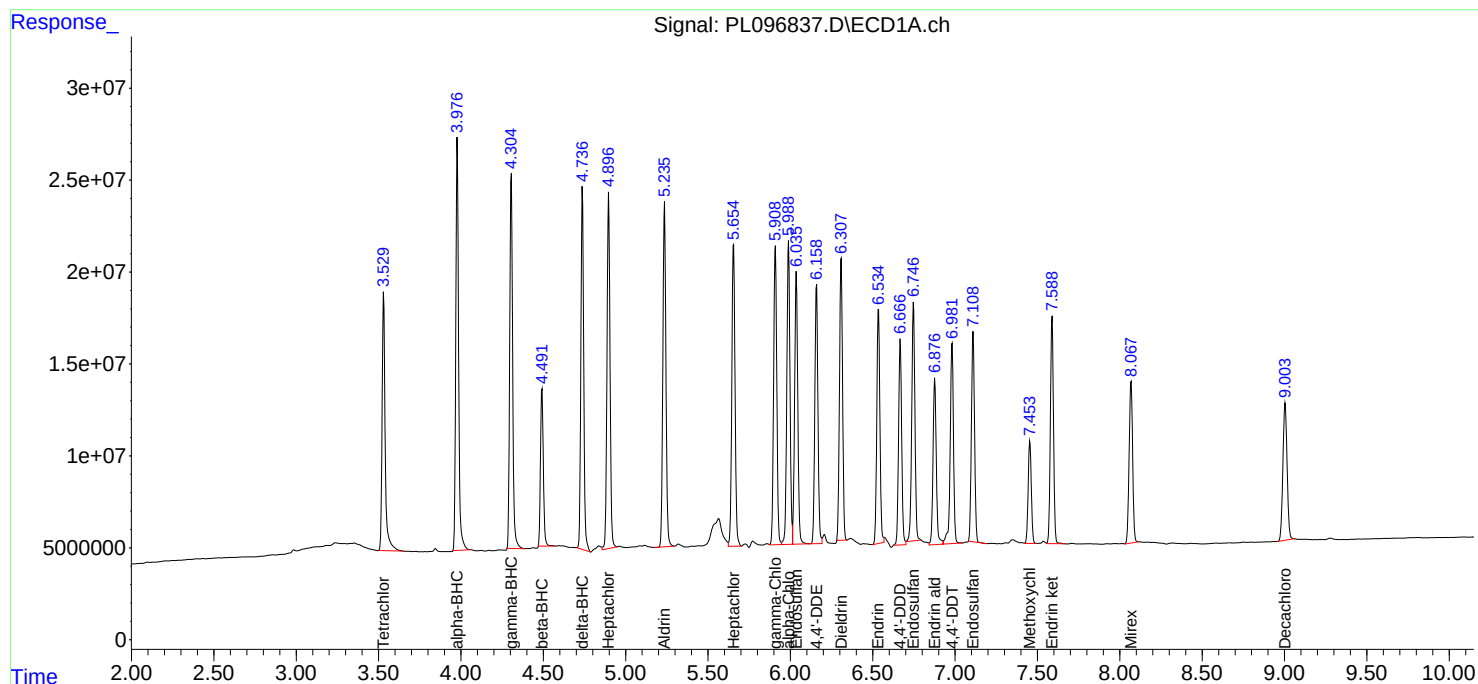
APPROVED

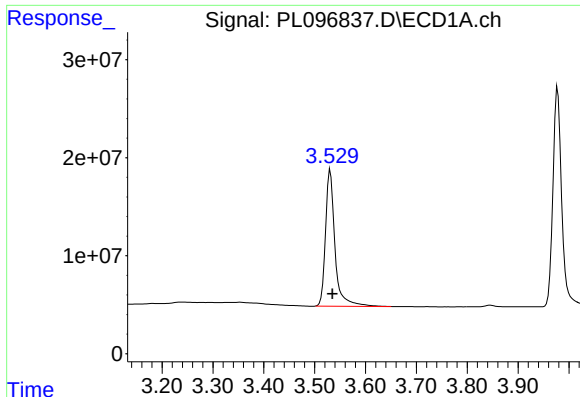
Reviewed By :Abdul Mirza 08/18/2025

Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:57:12 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





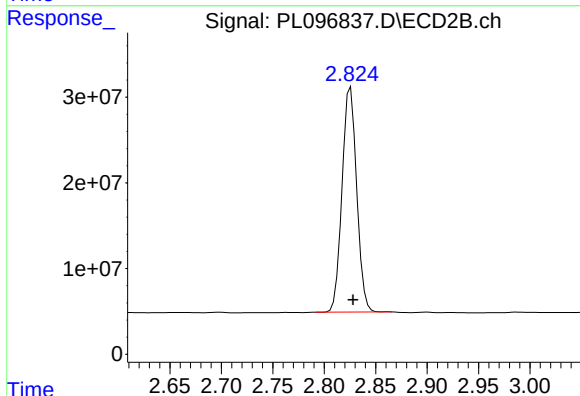
#1 Tetrachloro-m-xylene

R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 180734970
Conc: 56.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

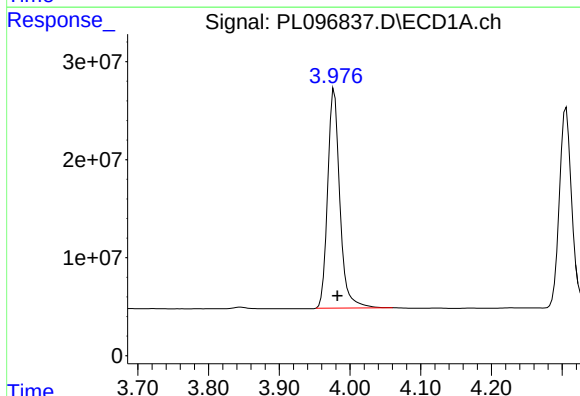
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



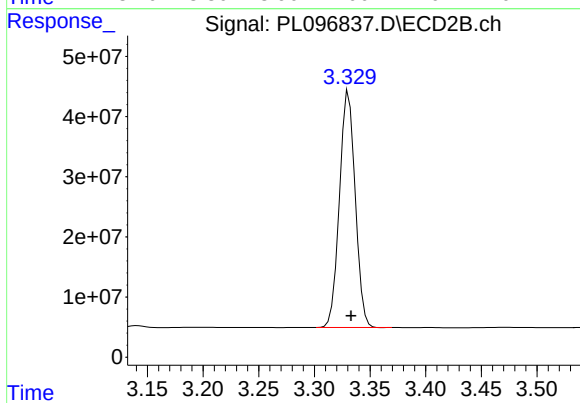
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 259800574
Conc: 54.38 ng/ml



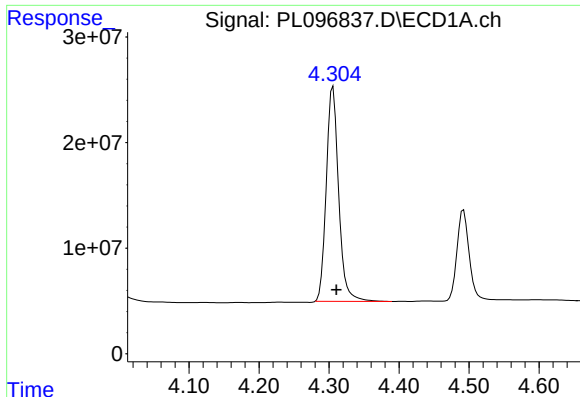
#2 alpha-BHC

R.T.: 3.978 min
Delta R.T.: -0.004 min
Response: 267422416
Conc: 57.80 ng/ml



#2 alpha-BHC

R.T.: 3.331 min
Delta R.T.: -0.002 min
Response: 387274350
Conc: 54.72 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.306 min
Delta R.T.: -0.005 min
Response: 250257374
Conc: 56.58 ng/ml

Instrument :

ECD_L

ClientSampleId :

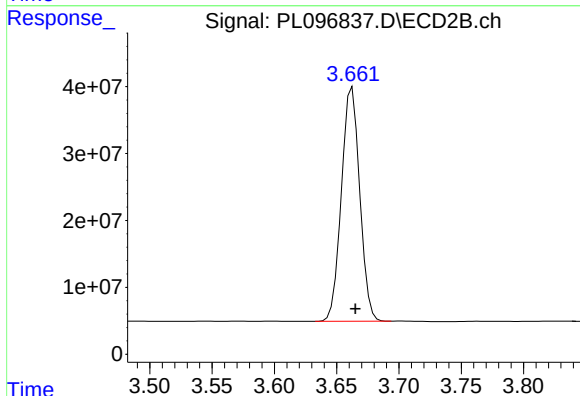
PSTDCCC050

Manual Integrations

APPROVED

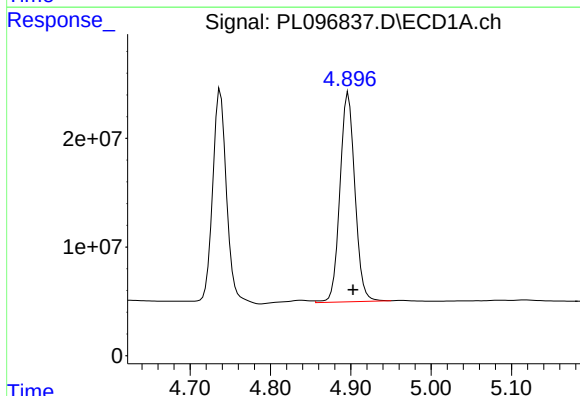
Reviewed By :Abdul Mirza 08/18/2025

Supervised By :mohammad ahmed 08/21/2025



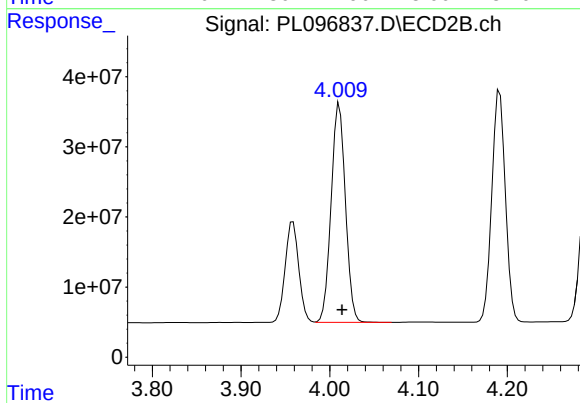
#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: -0.003 min
Response: 359440039
Conc: 54.43 ng/ml



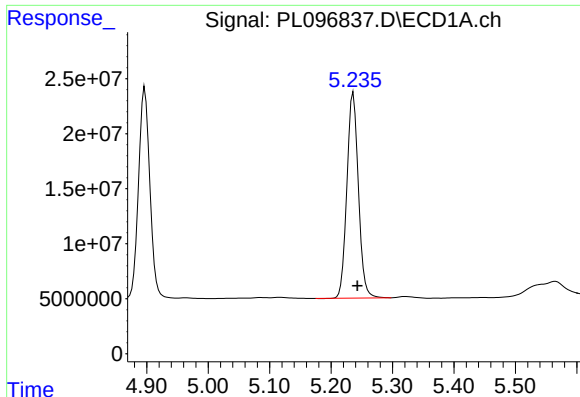
#4 Heptachlor

R.T.: 4.897 min
Delta R.T.: -0.006 min
Response: 248571375
Conc: 59.81 ng/ml



#4 Heptachlor

R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 349295899
Conc: 52.43 ng/ml



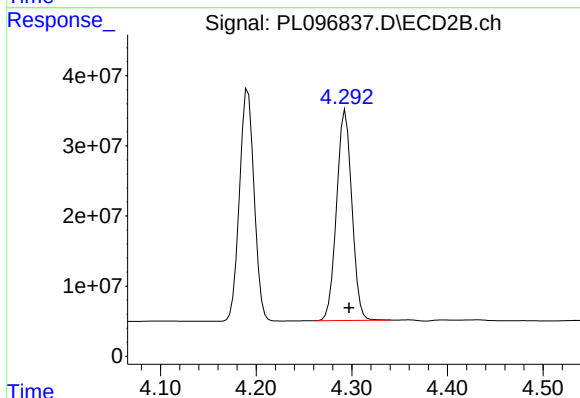
#5 Aldrin

R.T.: 5.236 min
Delta R.T.: -0.007 min
Response: 243198185
Conc: 56.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

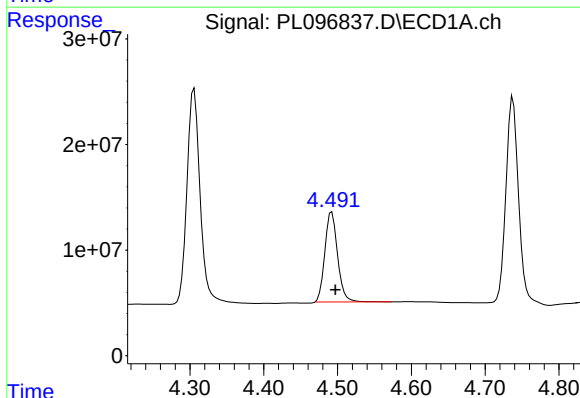
Manual Integrations
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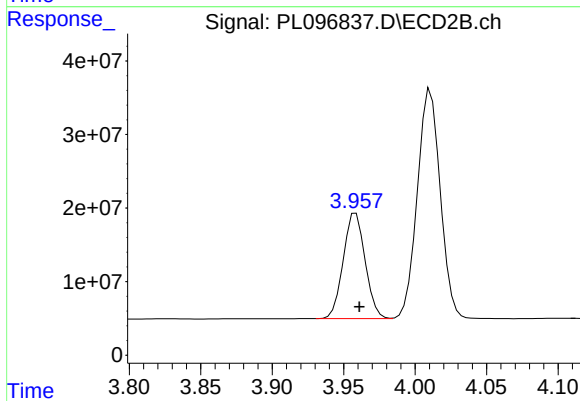
#5 Aldrin

R.T.: 4.293 min
Delta R.T.: -0.004 min
Response: 333486511
Conc: 53.73 ng/ml



#6 beta-BHC

R.T.: 4.492 min
Delta R.T.: -0.005 min
Response: 102062353
Conc: 56.55 ng/ml

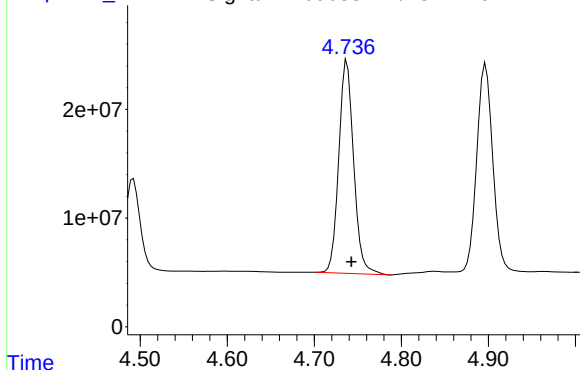


#6 beta-BHC

R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 152833961
Conc: 54.18 ng/ml

Response_ Signal: PL096837.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.738 min
Delta R.T.: -0.005 min
Response: 233635443
Conc: 58.56 ng/ml

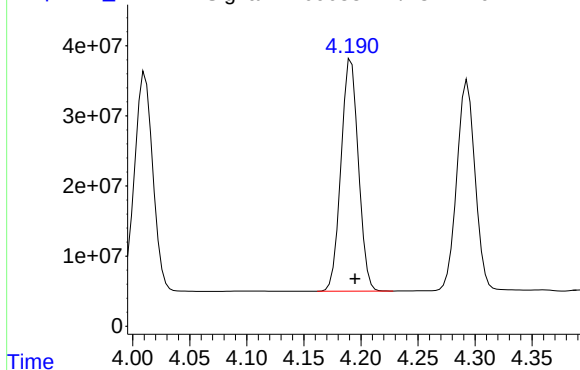
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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

Response_ Signal: PL096837.D\ECD2B.ch

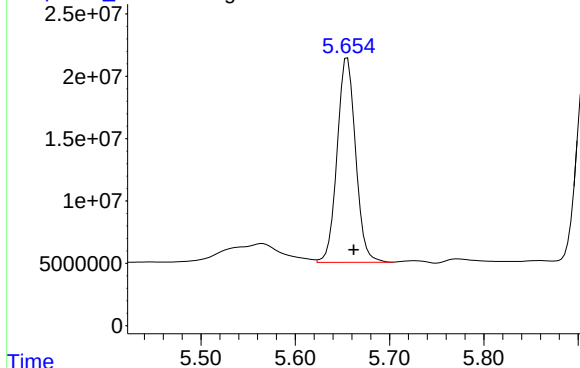
#7 delta-BHC



R.T.: 4.191 min
Delta R.T.: -0.004 min
Response: 351128336
Conc: 54.24 ng/ml

Response_ Signal: PL096837.D\ECD1A.ch

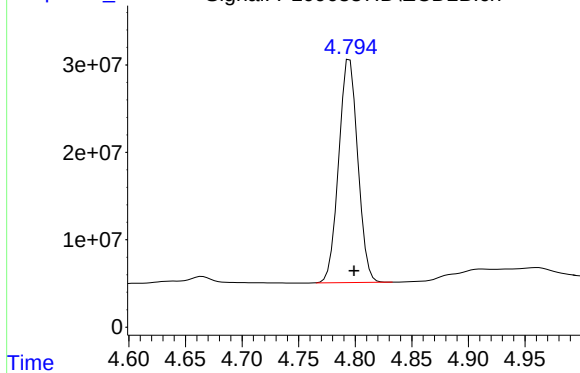
#8 Heptachlor epoxide



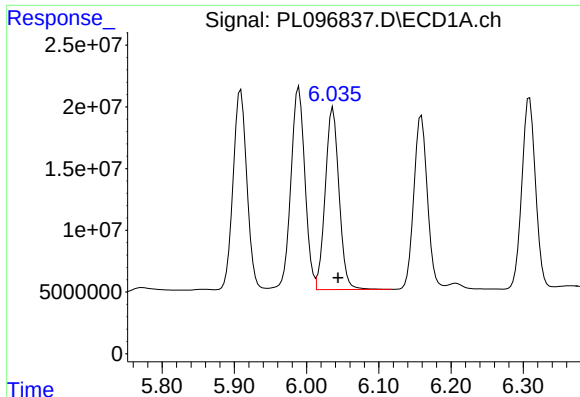
R.T.: 5.655 min
Delta R.T.: -0.007 min
Response: 223225892
Conc: 57.88 ng/ml

Response_ Signal: PL096837.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.795 min
Delta R.T.: -0.004 min
Response: 299736064
Conc: 52.48 ng/ml



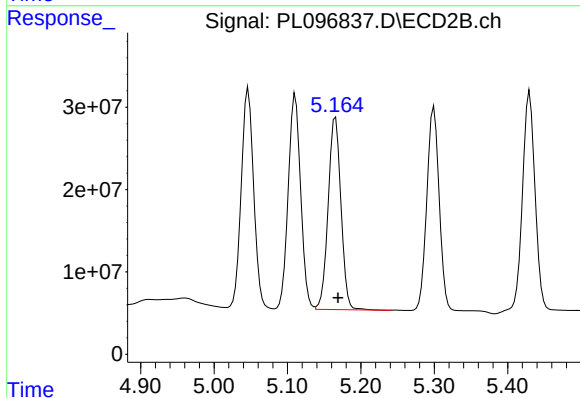
#9 Endosulfan I

R.T.: 6.037 min
Delta R.T.: -0.007 min
Response: 197468119
Conc: 54.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

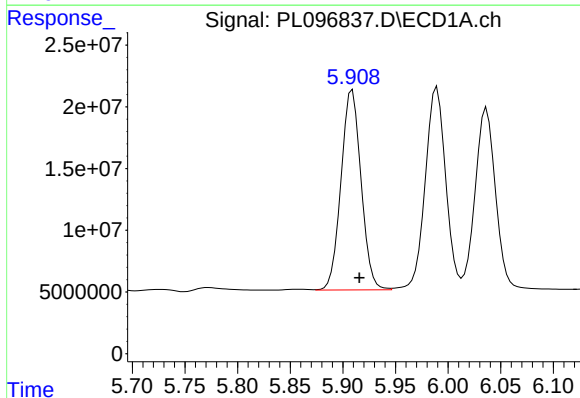
Manual Integrations
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Supervised By :mohammad ahmed 08/21/2025



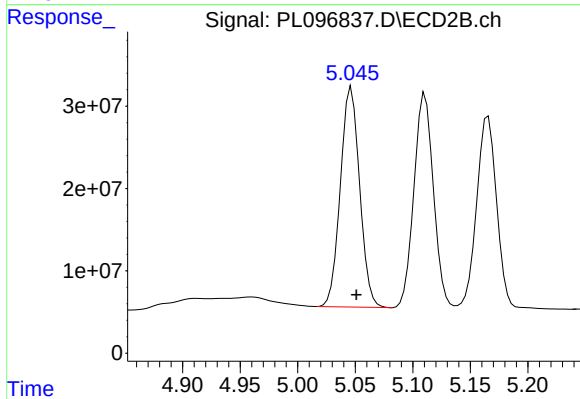
#9 Endosulfan I

R.T.: 5.165 min
Delta R.T.: -0.004 min
Response: 281834782
Conc: 50.95 ng/ml



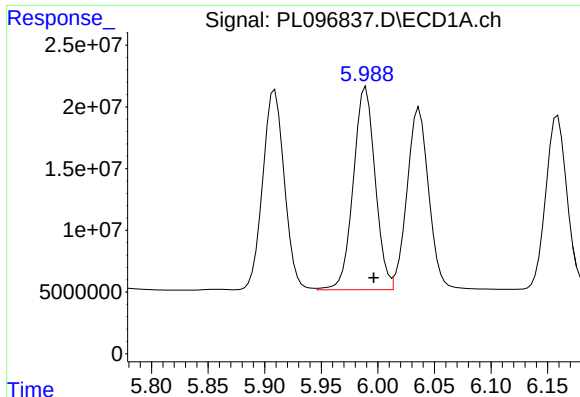
#10 gamma-Chlordane

R.T.: 5.909 min
Delta R.T.: -0.007 min
Response: 215486294
Conc: 56.63 ng/ml



#10 gamma-Chlordane

R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 312373777
Conc: 53.12 ng/ml



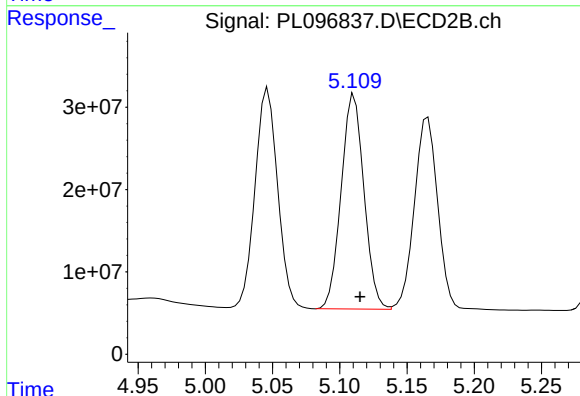
#11 alpha-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.007 min
Response: 220831221
Conc: 57.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

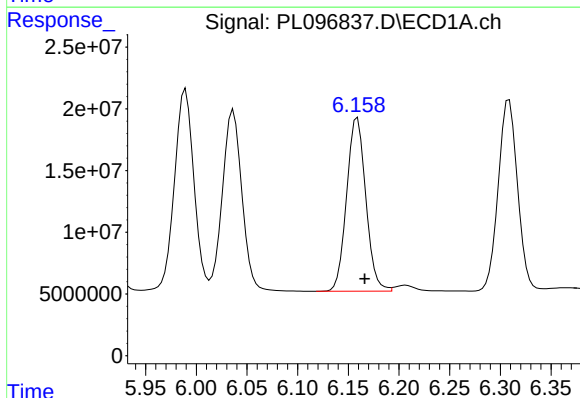
Manual Integrations
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Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



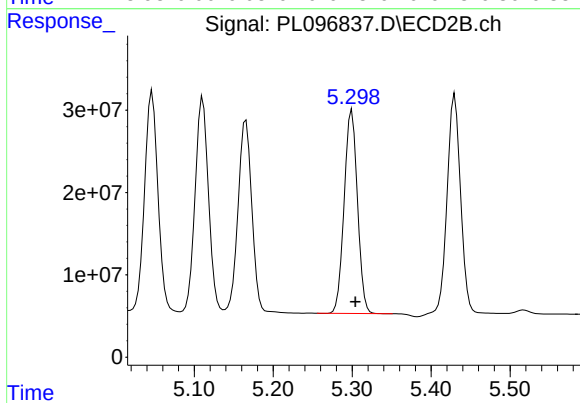
#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 307264640
Conc: 52.09 ng/ml



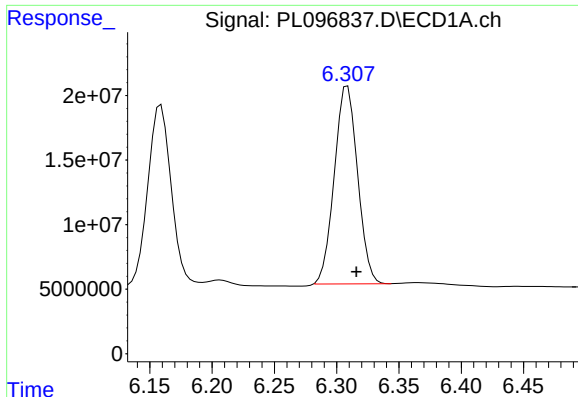
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 184929287
Conc: 57.59 ng/ml



#12 4,4'-DDE

R.T.: 5.300 min
Delta R.T.: -0.004 min
Response: 289241221
Conc: 52.45 ng/ml



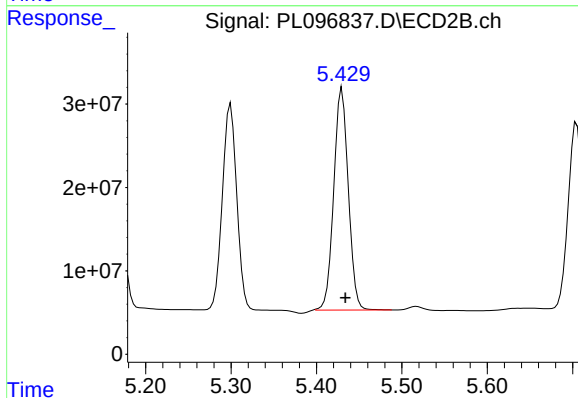
#13 Dieldrin

R.T.: 6.309 min
Delta R.T.: -0.007 min
Response: 199375068
Conc: 53.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

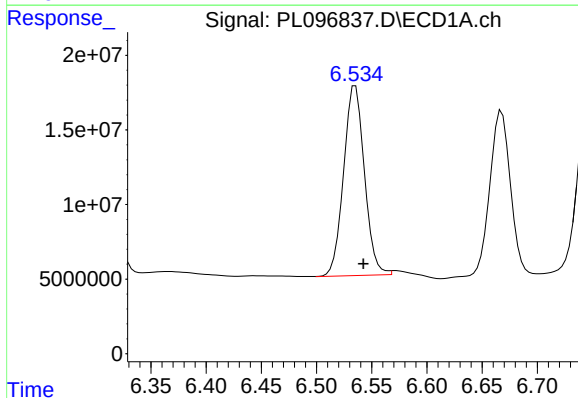
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



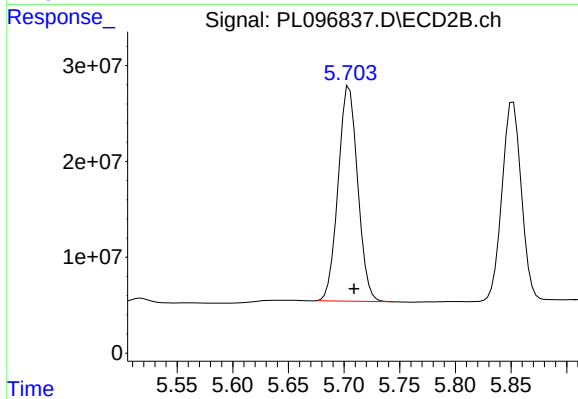
#13 Dieldrin

R.T.: 5.429 min
Delta R.T.: -0.005 min
Response: 314921208
Conc: 53.32 ng/ml m



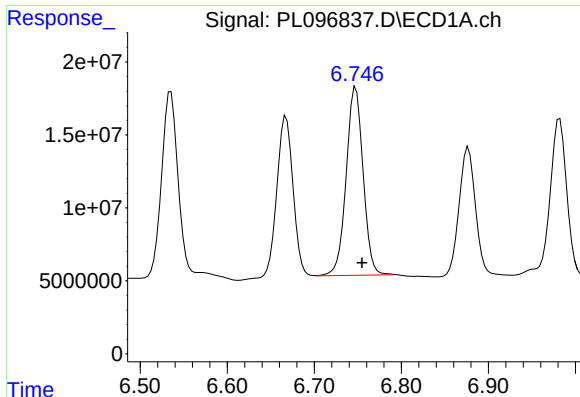
#14 Endrin

R.T.: 6.534 min
Delta R.T.: -0.009 min
Response: 166998774
Conc: 55.17 ng/ml m



#14 Endrin

R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 274035427
Conc: 50.69 ng/ml



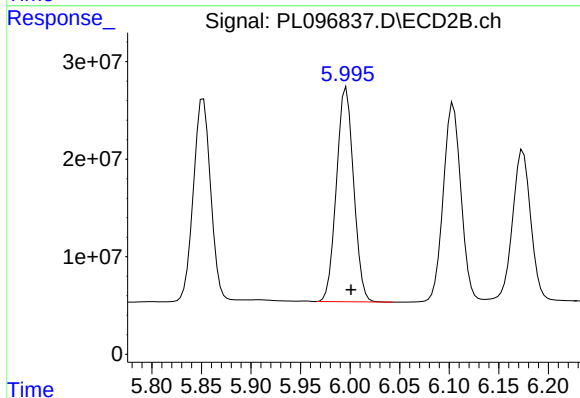
#15 Endosulfan II

R.T.: 6.746 min
Delta R.T.: -0.009 min
Response: 174328952
Conc: 54.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

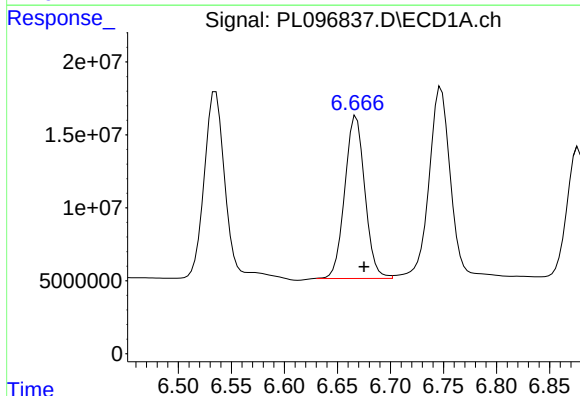
Manual Integrations
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Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



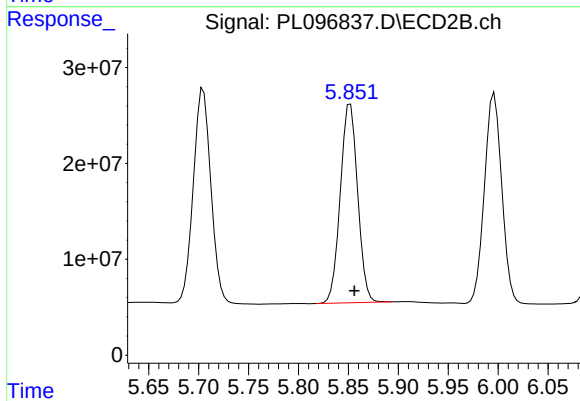
#15 Endosulfan II

R.T.: 5.996 min
Delta R.T.: -0.005 min
Response: 265206255
Conc: 51.63 ng/ml



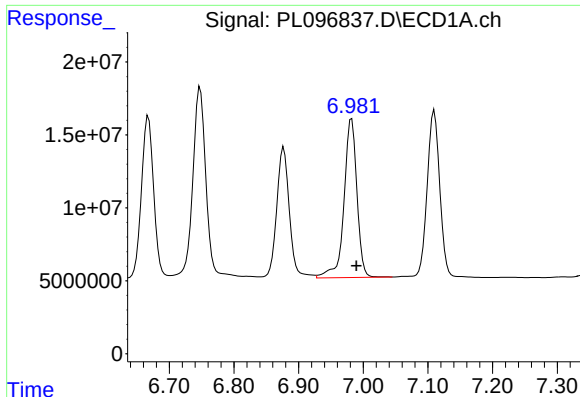
#16 4,4'-DDD

R.T.: 6.666 min
Delta R.T.: -0.009 min
Response: 146477846
Conc: 57.93 ng/ml m



#16 4,4'-DDD

R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 250949782
Conc: 53.33 ng/ml



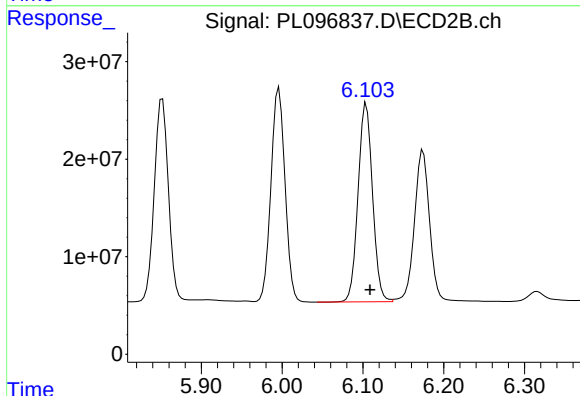
#17 4,4'-DDT

R.T.: 6.982 min
Delta R.T.: -0.007 min
Response: 151544815
Conc: 52.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

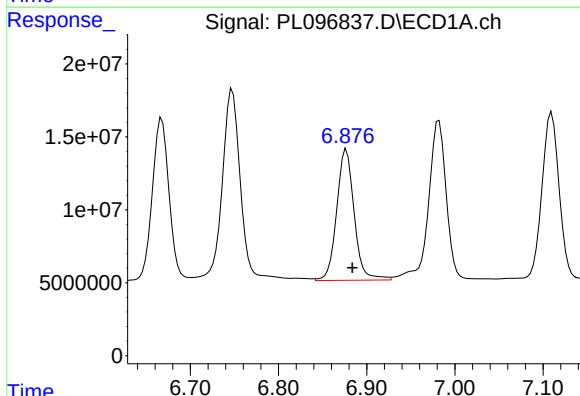
Manual Integrations
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Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



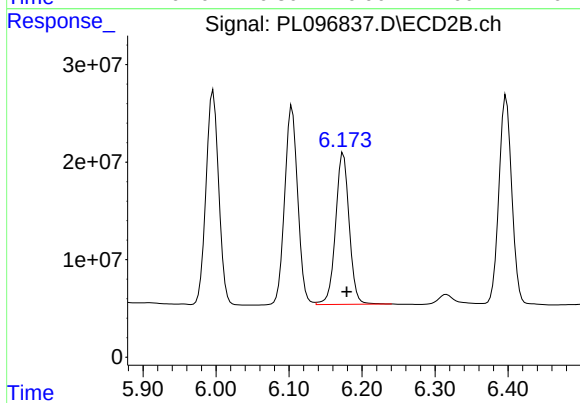
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 253232066
Conc: 50.06 ng/ml



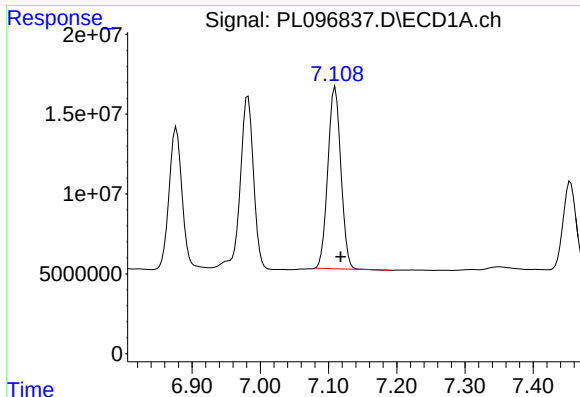
#18 Endrin aldehyde

R.T.: 6.877 min
Delta R.T.: -0.007 min
Response: 123866292
Conc: 57.72 ng/ml



#18 Endrin aldehyde

R.T.: 6.174 min
Delta R.T.: -0.005 min
Response: 201134186
Conc: 55.33 ng/ml



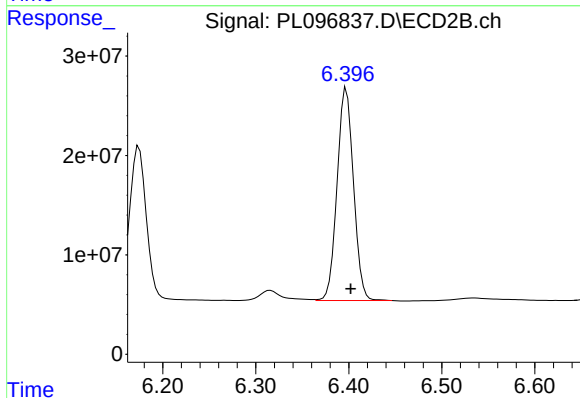
#19 Endosulfan Sulfate

R.T.: 7.110 min
Delta R.T.: -0.008 min
Response: 151078229
Conc: 52.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

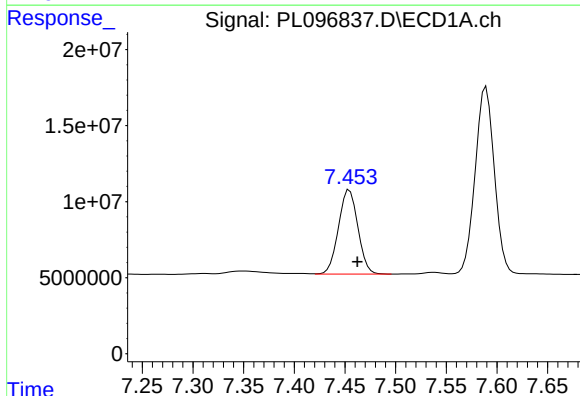
Manual Integrations
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Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



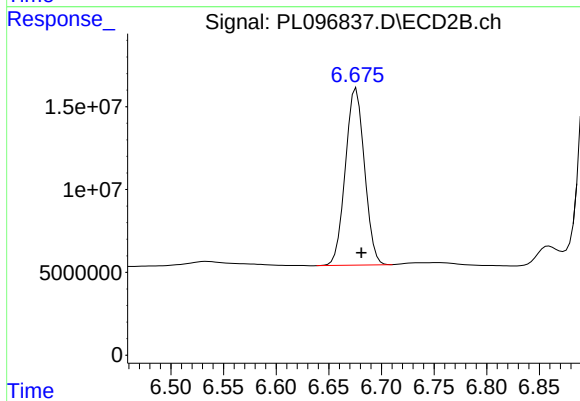
#19 Endosulfan Sulfate

R.T.: 6.397 min
Delta R.T.: -0.005 min
Response: 262456598
Conc: 51.60 ng/ml



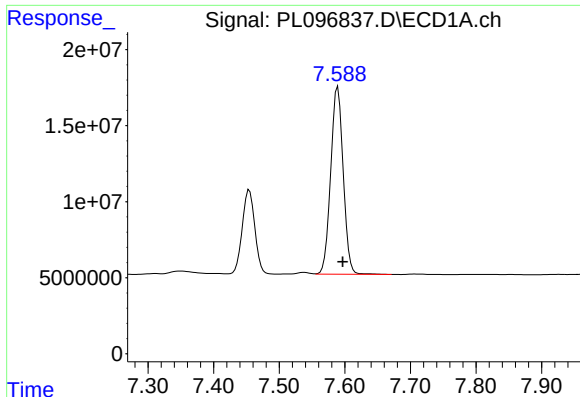
#20 Methoxychlor

R.T.: 7.455 min
Delta R.T.: -0.008 min
Response: 73772766
Conc: 50.24 ng/ml



#20 Methoxychlor

R.T.: 6.675 min
Delta R.T.: -0.006 min
Response: 135355889
Conc: 49.39 ng/ml m



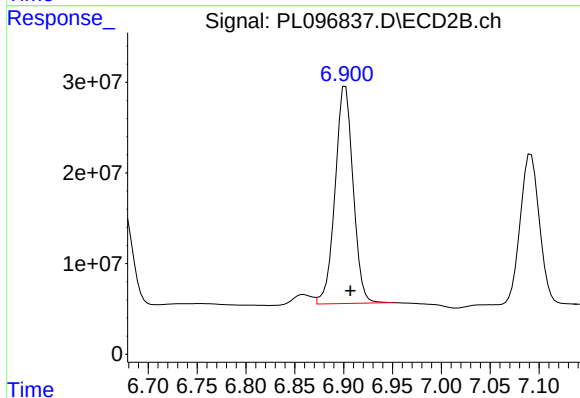
#21 Endrin ketone

R.T.: 7.589 min
Delta R.T.: -0.007 min
Response: 163226737
Conc: 54.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

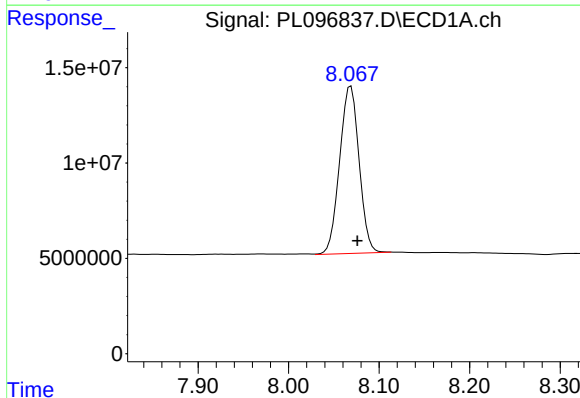
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



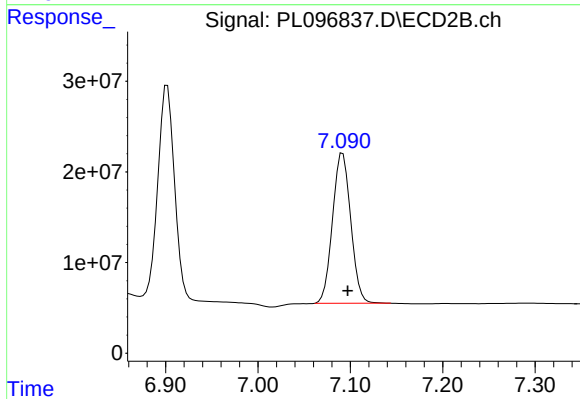
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 308375287
Conc: 55.37 ng/ml



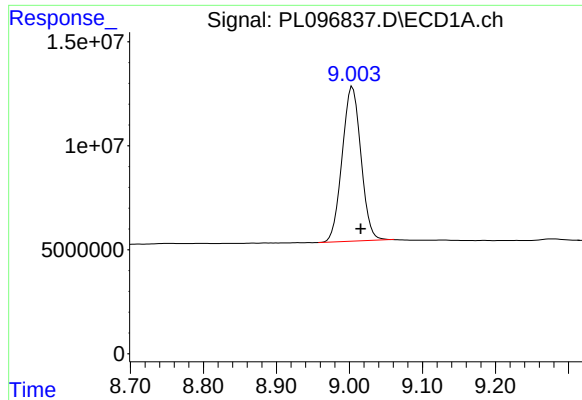
#22 Mirex

R.T.: 8.067 min
Delta R.T.: -0.008 min
Response: 131031867
Conc: 52.85 ng/ml m



#22 Mirex

R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 227296194
Conc: 52.12 ng/ml



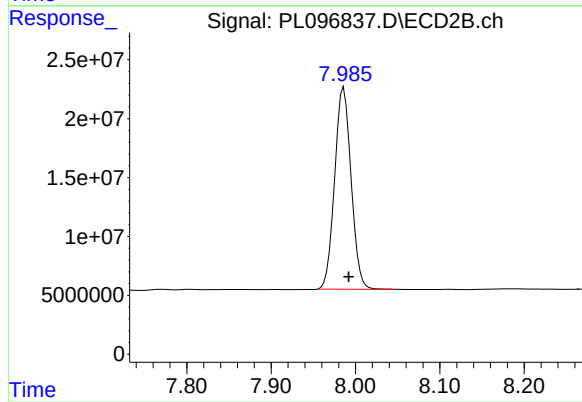
#28 Decachlorobiphenyl

R.T.: 9.003 min
Delta R.T.: -0.013 min
Response: 132614135
Conc: 55.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 232505562
Conc: 53.59 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: FIRS02

Lab Code: ACE

SDG NO.: Q2814

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

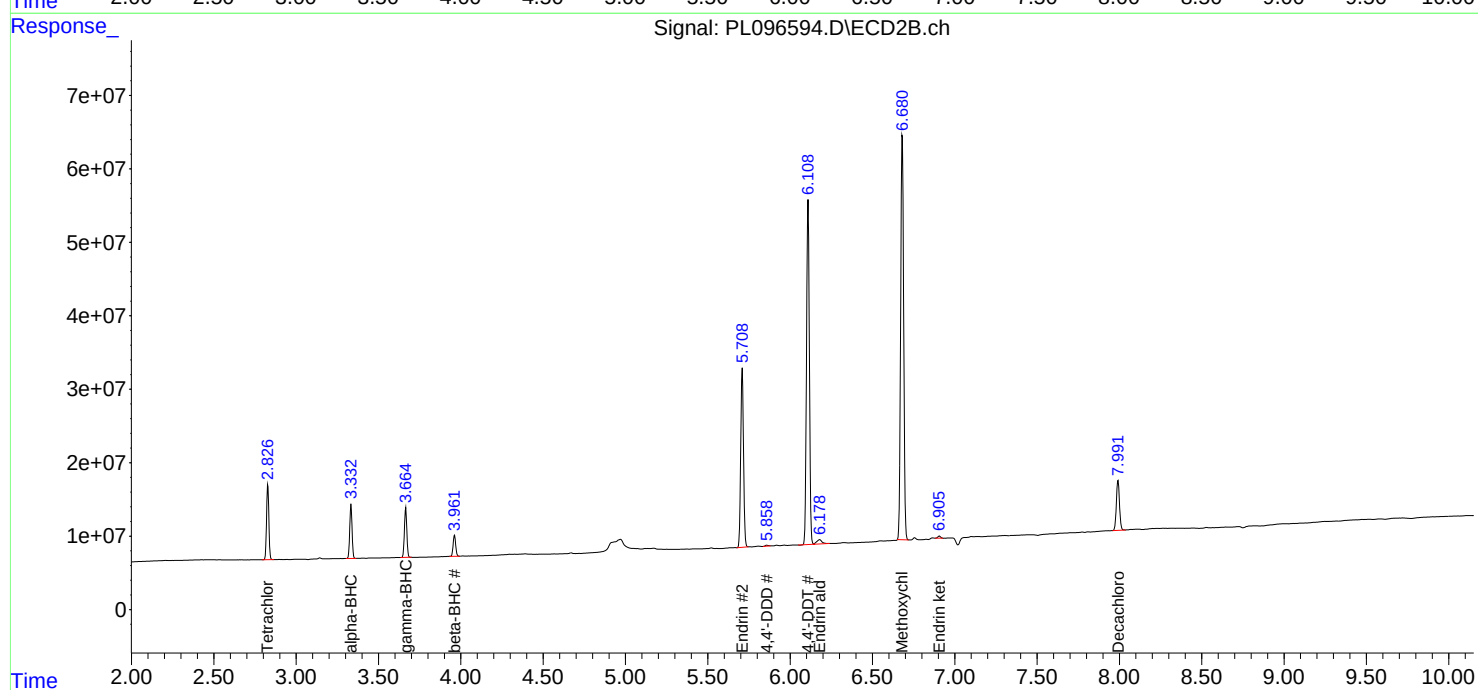
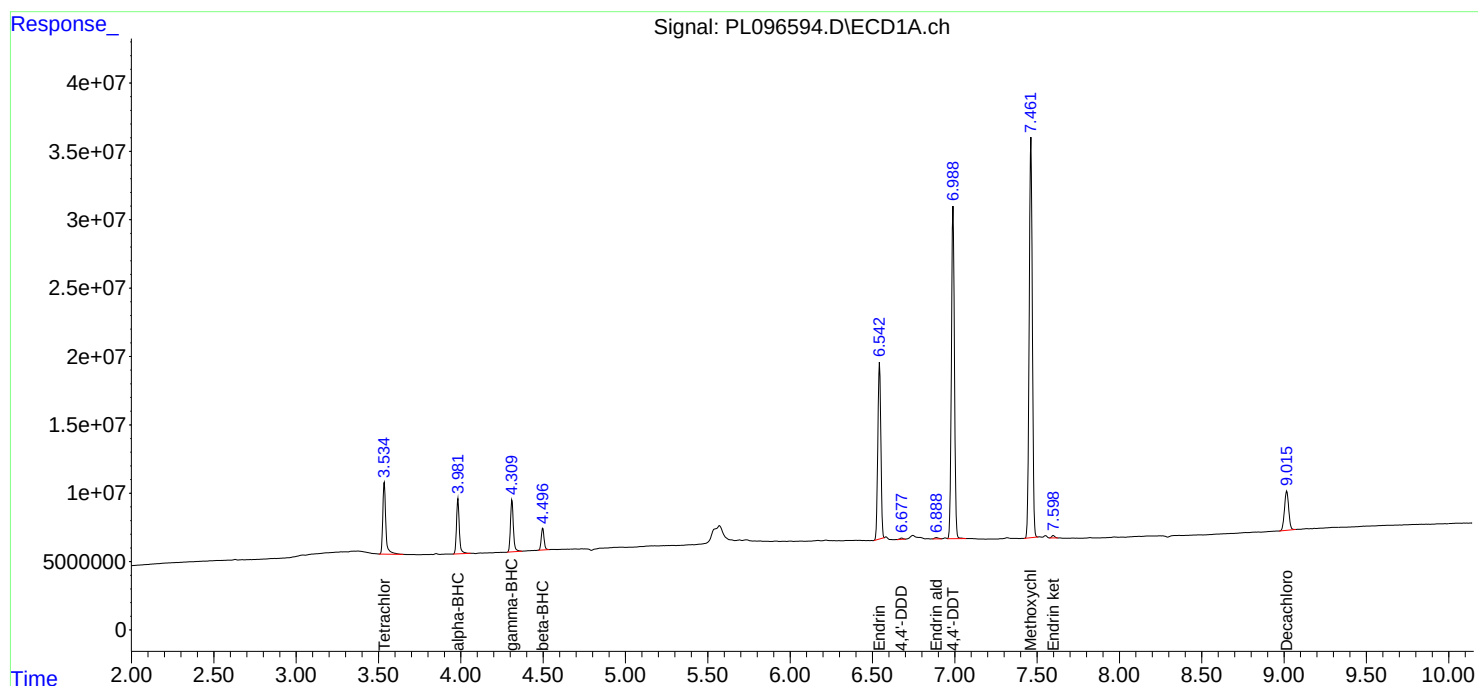
Instrument :
ECD_L
ClientSampleId :
PEM

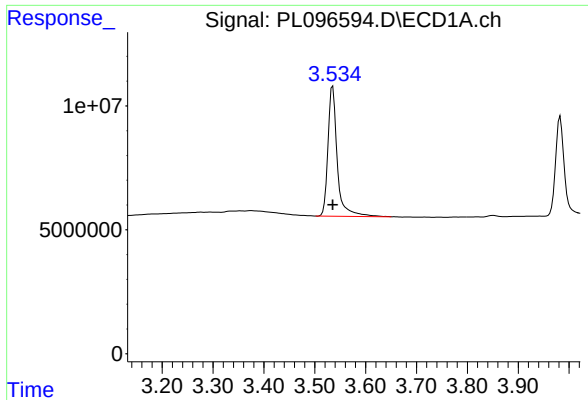
Manual Integrations
APPROVED

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





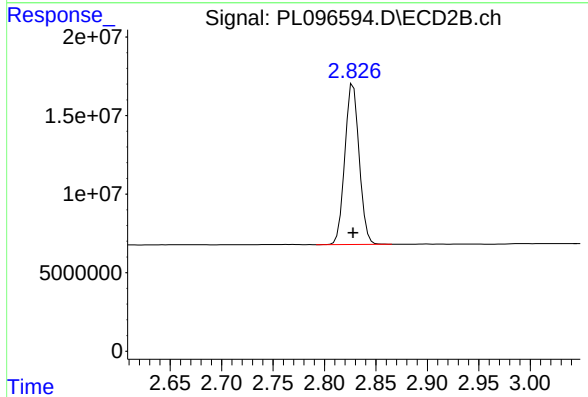
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 66676938
Conc: 20.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

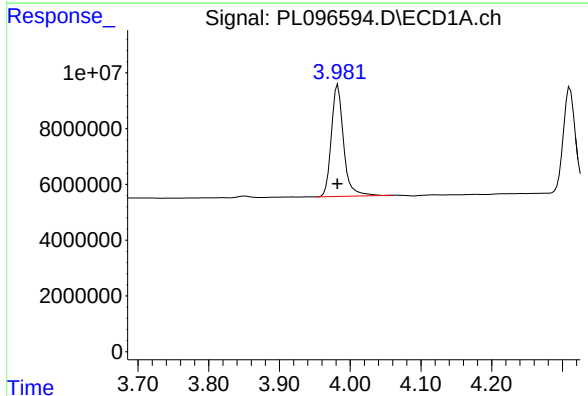
Manual Integrations
APPROVED

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



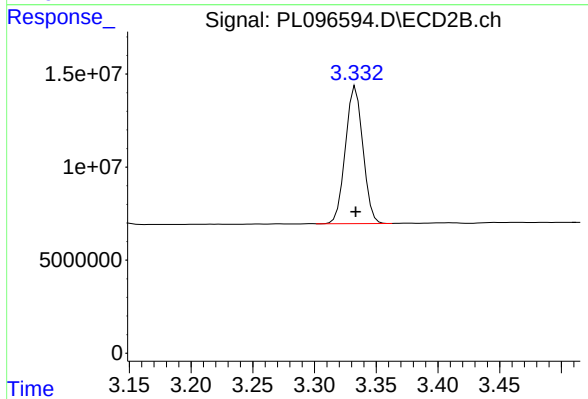
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 99261210
Conc: 20.78 ng/ml



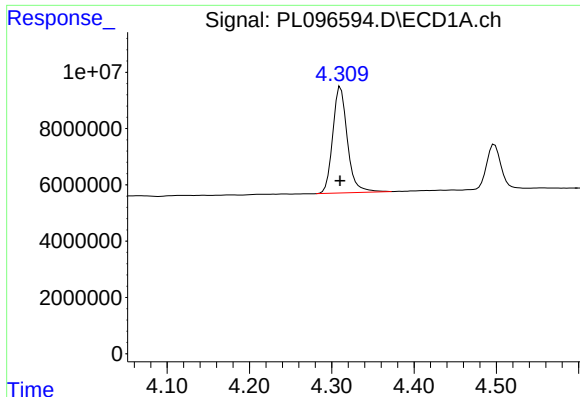
#2 alpha-BHC

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



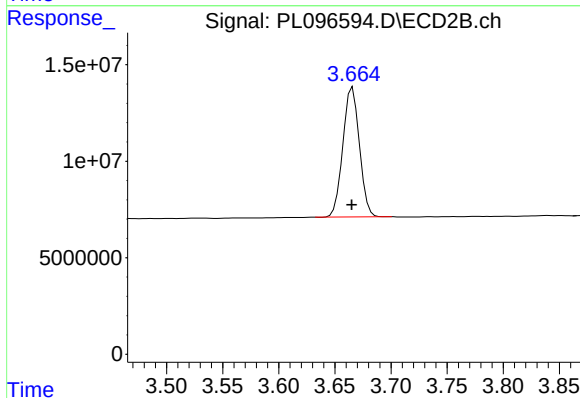
#3 gamma-BHC (Lindane)

R.T.: 4.311 min
Delta R.T.: 0.000 min
Response: 46672698
Conc: 10.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

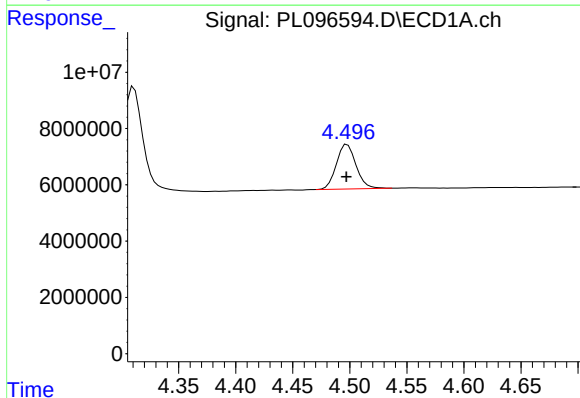
Manual Integrations
APPROVED

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



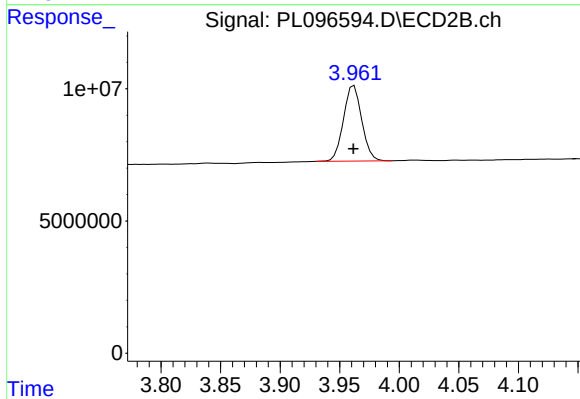
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 68921884
Conc: 10.44 ng/ml



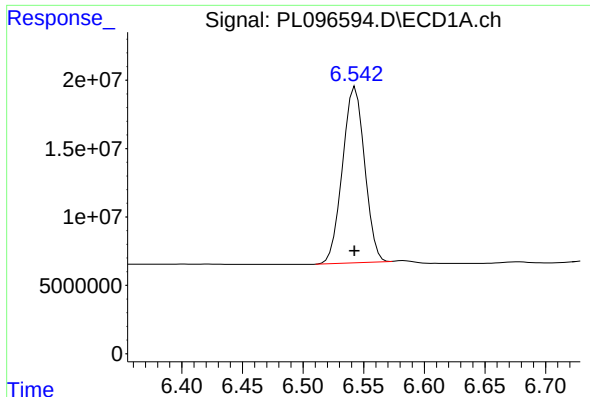
#6 beta-BHC

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



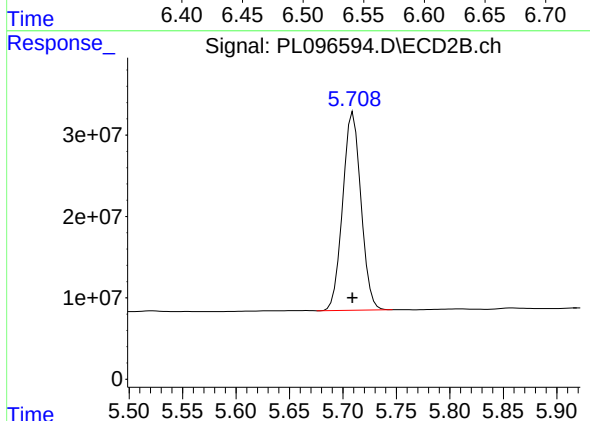
#14 Endrin

R.T.: 6.543 min
Delta R.T.: 0.000 min
Response: 163494961
Conc: 54.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

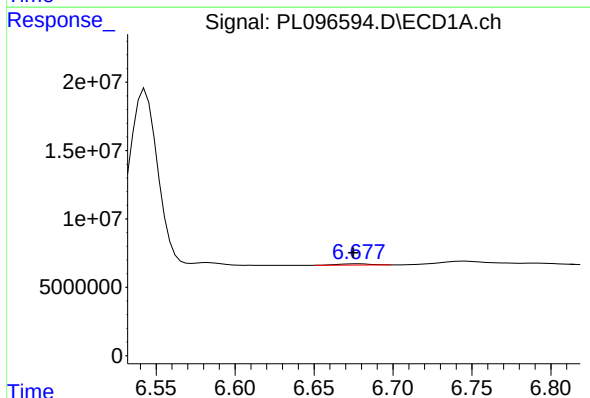
Manual Integrations
APPROVED

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



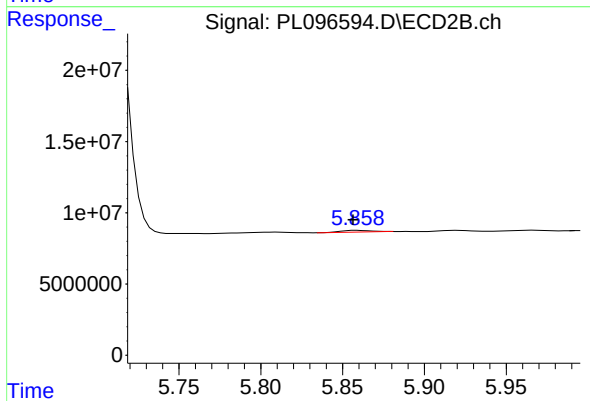
#14 Endrin

R.T.: 5.710 min
Delta R.T.: 0.000 min
Response: 289935231
Conc: 53.63 ng/ml



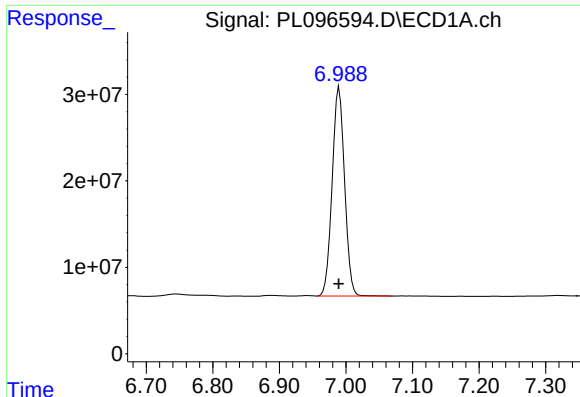
#16 4,4'-DDD

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



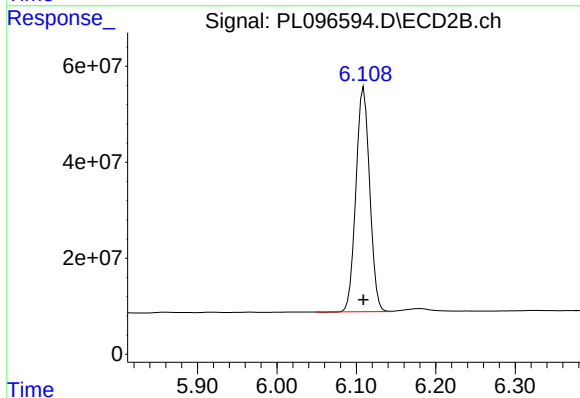
#17 4,4'-DDT

R.T.: 6.990 min
Delta R.T.: 0.000 min
Response: 314003596
Conc: 109.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

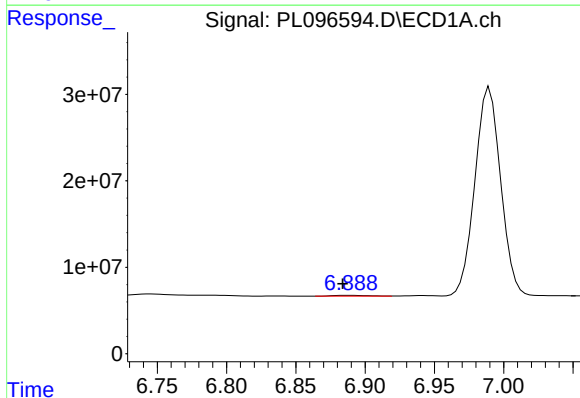
Manual Integrations
APPROVED

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



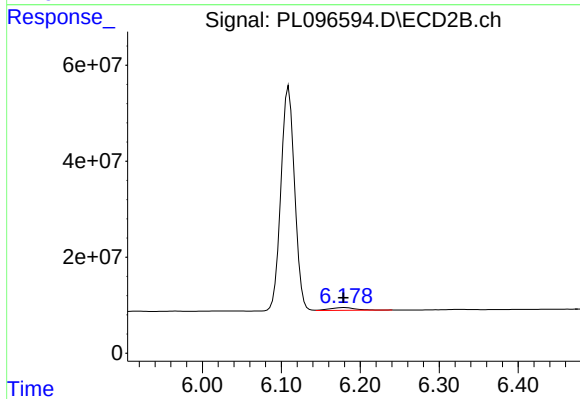
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 562525716
Conc: 111.21 ng/ml



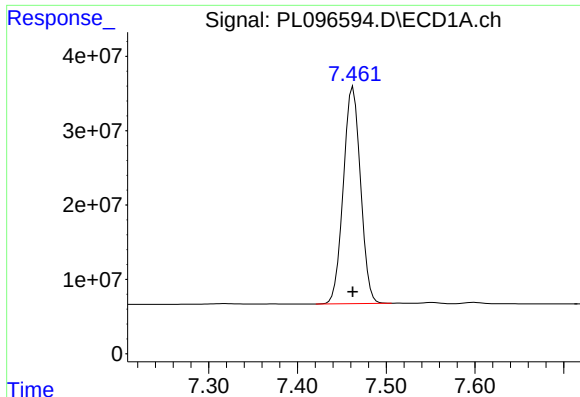
#18 Endrin aldehyde

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



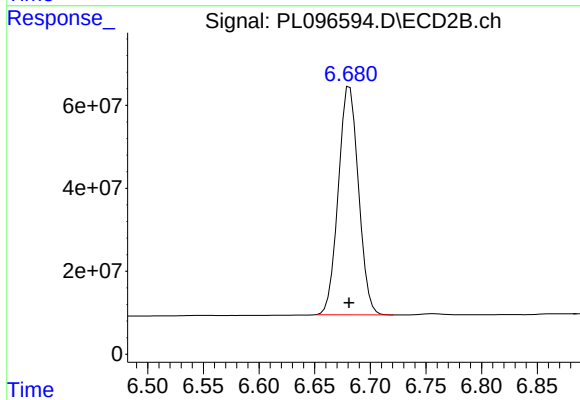
#20 Methoxychlor

R.T.: 7.463 min
Delta R.T.: 0.000 min
Response: 392347777
Conc: 267.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

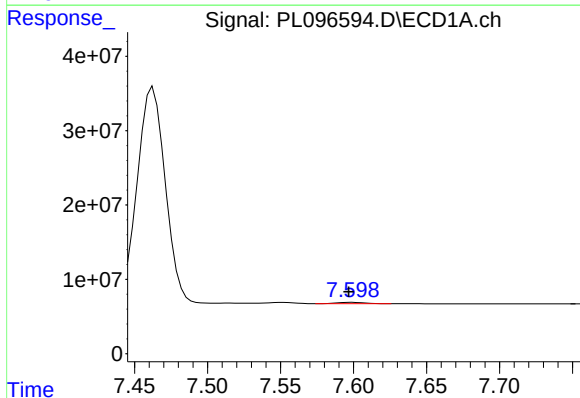
Manual Integrations
APPROVED

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



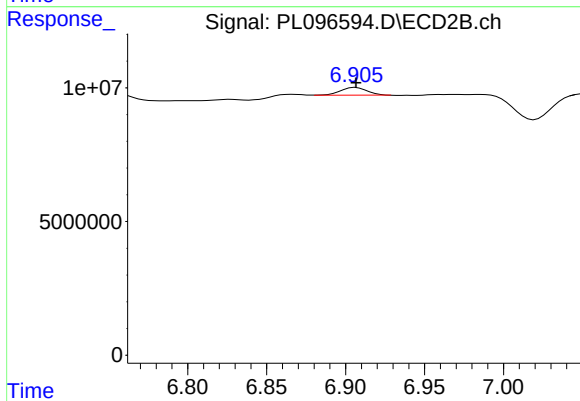
#20 Methoxychlor

R.T.: 6.682 min
Delta R.T.: 0.000 min
Response: 694139453
Conc: 253.29 ng/ml



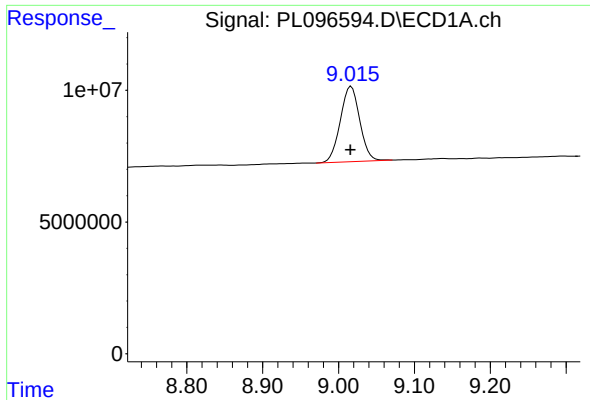
#21 Endrin ketone

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



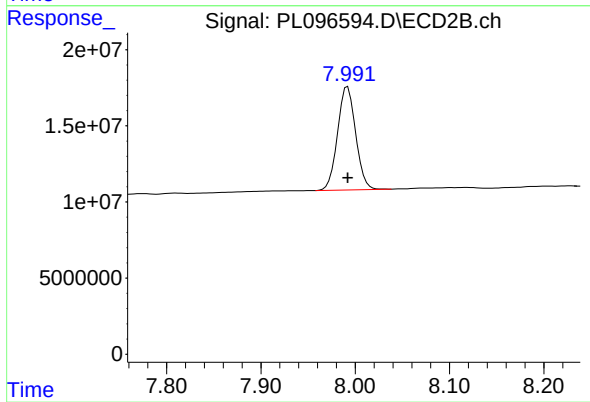
#28 Decachlorobiphenyl

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: FIRS02

Lab Code: ACE

SDG NO.: Q2814

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 07/28/2025 07/28/2025

Client Sample No. (PEM): PEM - PL096818.D Date Analyzed: 08/15/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:13

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.004	8.900	9.100	20.950	20.000	4.8
Tetrachloro-m-xylene	3.531	3.480	3.580	20.800	20.000	4.0
alpha-BHC	3.978	3.930	4.030	10.310	10.000	3.1
beta-BHC	4.493	4.440	4.540	10.430	10.000	4.3
gamma-BHC (Lindane)	4.306	4.260	4.360	10.580	10.000	5.8
Endrin	6.534	6.460	6.600	54.950	50.000	9.9
4,4'-DDT	6.983	6.910	7.050	107.280	100.000	7.3
Methoxychlor	7.455	7.380	7.530	264.500	250.000	5.8

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 07/28/2025 07/28/2025

Client Sample No. (PEM): PEM - PL096818.D Date Analyzed: 08/15/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:13

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.987	7.890	8.090	19.750	20.000	-1.3
Tetrachloro-m-xylene	2.826	2.780	2.880	20.270	20.000	1.4
alpha-BHC	3.330	3.280	3.380	9.730	10.000	-2.7
beta-BHC	3.959	3.910	4.010	10.680	10.000	6.8
gamma-BHC (Lindane)	3.662	3.610	3.710	9.790	10.000	-2.1
Endrin	5.706	5.640	5.780	49.720	50.000	-0.6
4,4'-DDT	6.105	6.030	6.180	103.400	100.000	3.4
Methoxychlor	6.676	6.610	6.750	224.750	250.000	-10.1

PEM
 Data File: PL096818.D Date Acquired 8/15/2025 10:13
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.53	166315119.2	172620555	6305435.76	3.65
Endrin aldehyde	6.89	4383906.726			
Endrin ketone	7.59	1921529.035			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.71	268809359.4	284617085.2	15807725.8	5.55
Endrin aldehyde #2	6.17	14217820.72			
Endrin ketone #2	6.90	1589905.098			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	6.98	307659279.4	308585833.3	926553.893	0.30
4,4'-DDE	0.00	0			
4,4'-DDD	6.67	926553.893			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.11	523036482.6	525352443.4	2315960.8	0.44
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.86	2315960.8			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
 Data File : PL096818.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 10:13
 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 18 05:54:43 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...	3.531	2.826	66146774	96842073	20.796	20.269
28)	SA Decachlor...	9.004	7.987	49966203	85675813	20.953	19.749
Target Compounds							
2)	A alpha-BHC	3.978	3.330	47707827	68862700	10.312	9.730
3)	MA gamma-BHC...	4.306	3.662	46816462	64625617	10.584	9.787
6)	B beta-BHC	4.493	3.959	18826992	30137711	10.431	10.684
14)	MA Endrin	6.534	5.706	166.3E6	268.8E6	54.948m	49.725
16)	A 4,4'-DDD	6.672	5.857	926554	2315961	0.366m	0.492m#
17)	MA 4,4'-DDT	6.983	6.105	307.7E6	523.0E6	107.285	103.402
18)	B Endrin al...	6.885	6.171	4383907	14217821	2.043m	3.911m#
20)	A Methoxychlor	7.455	6.676	388.4E6	615.9E6	264.496	224.748m
21)	B Endrin ke...	7.589	6.902	1921529	1589905	0.639m	0.285m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096818.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 10:13
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

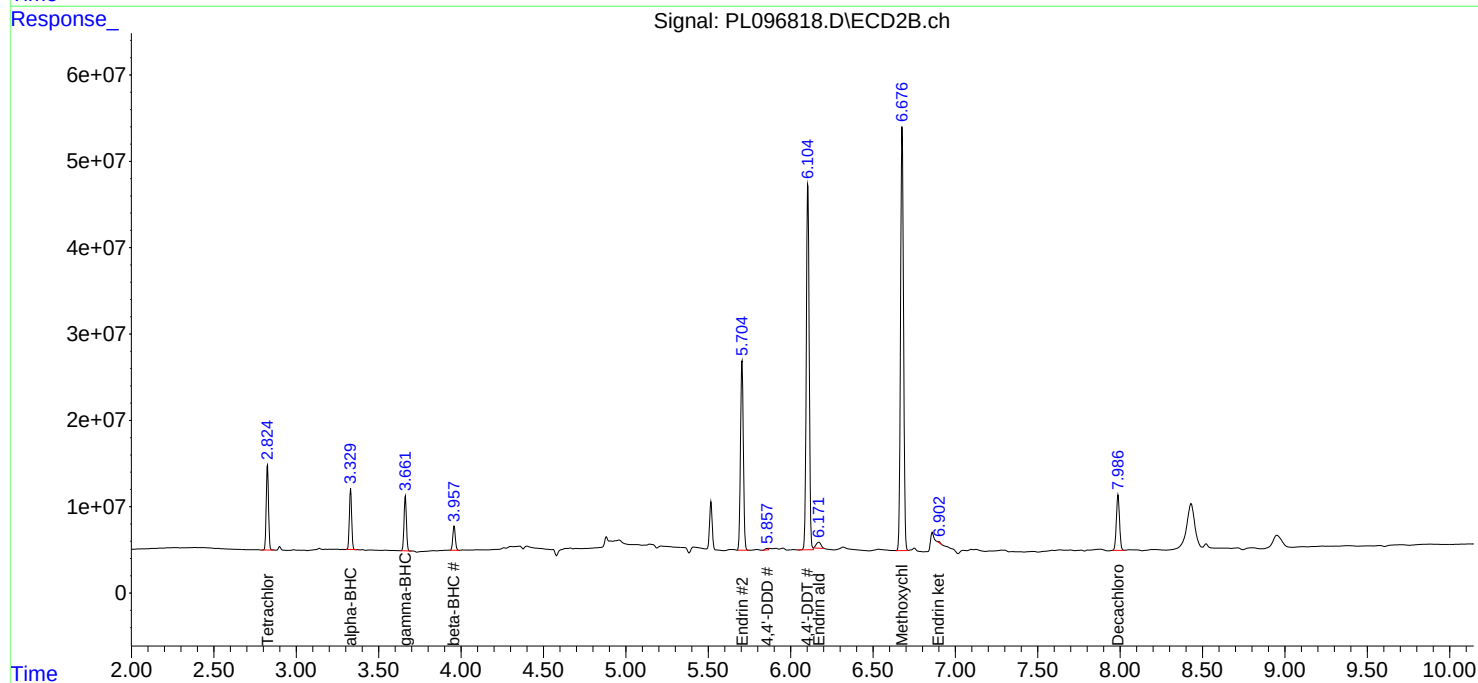
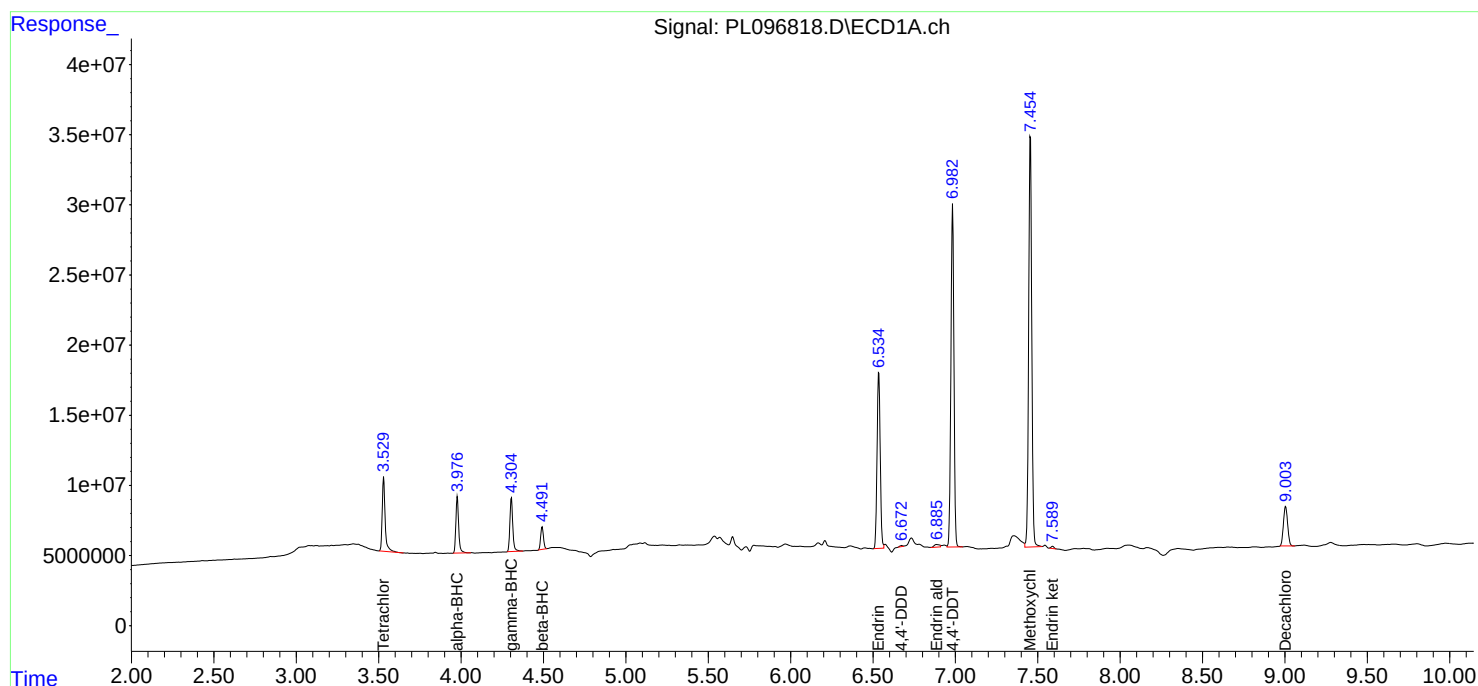
Instrument :
ECD_L
ClientSampleId :
PEM

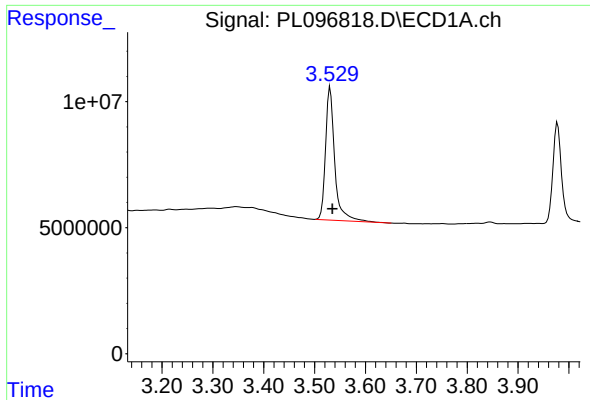
Manual Integrations
APPROVED

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 18 05:54:43 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





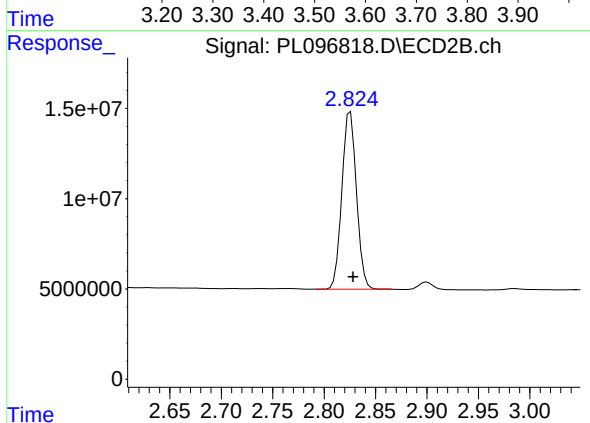
#1 Tetrachloro-m-xylene

R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 66146774
Conc: 20.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

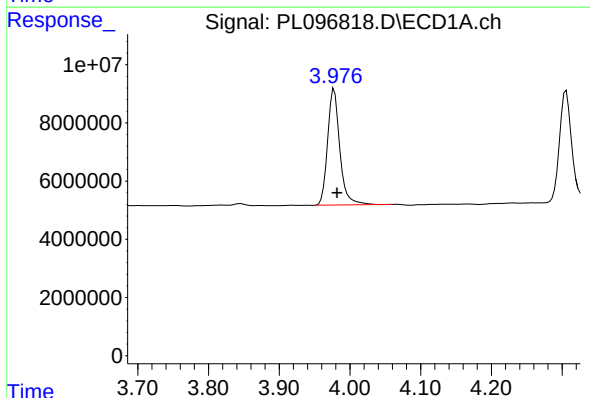
Manual Integrations
APPROVED

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



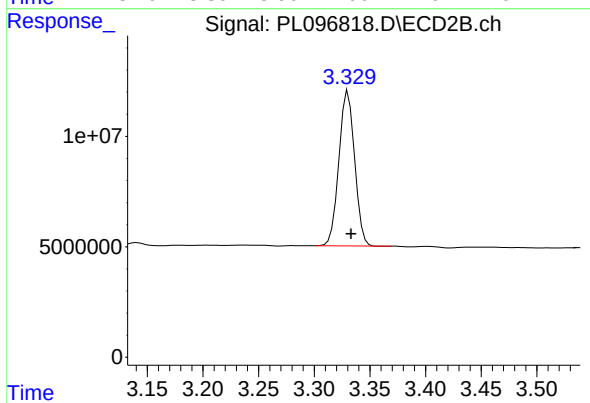
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 96842073
Conc: 20.27 ng/ml



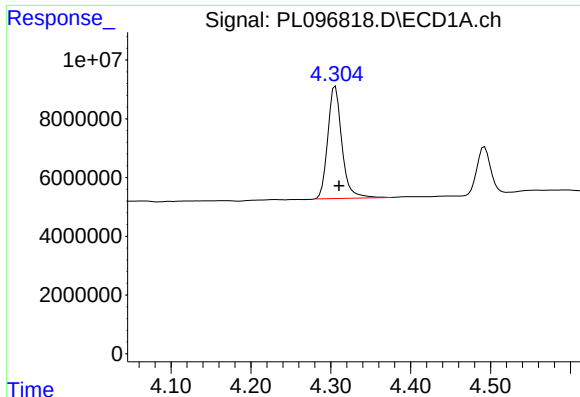
#2 alpha-BHC

R.T.: 3.978 min
Delta R.T.: -0.004 min
Response: 47707827
Conc: 10.31 ng/ml



#2 alpha-BHC

R.T.: 3.330 min
Delta R.T.: -0.003 min
Response: 68862700
Conc: 9.73 ng/ml



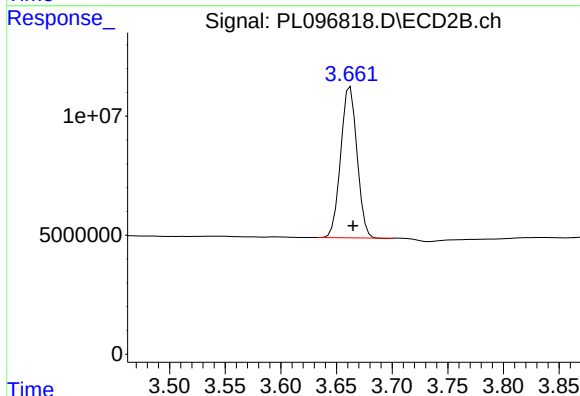
#3 gamma-BHC (Lindane)

R.T.: 4.306 min
Delta R.T.: -0.005 min
Response: 46816462
Conc: 10.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

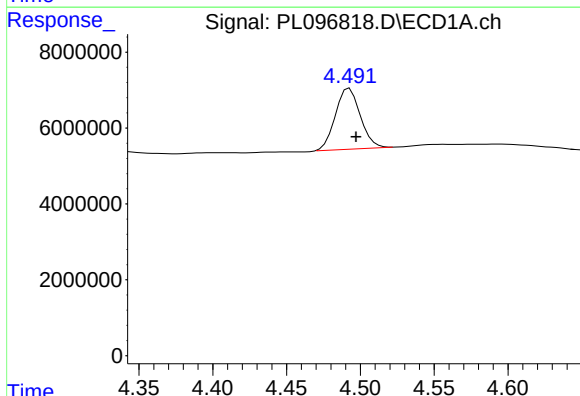
Manual Integrations
APPROVED

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



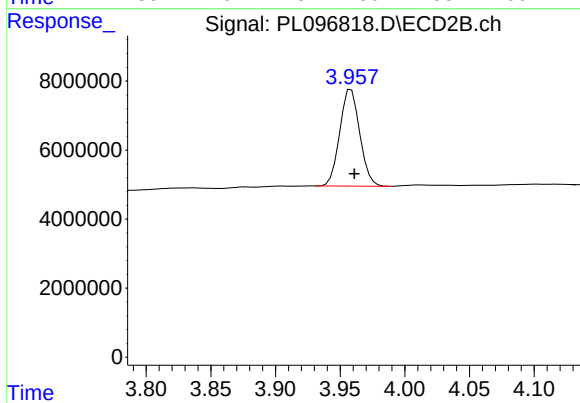
#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: -0.003 min
Response: 64625617
Conc: 9.79 ng/ml



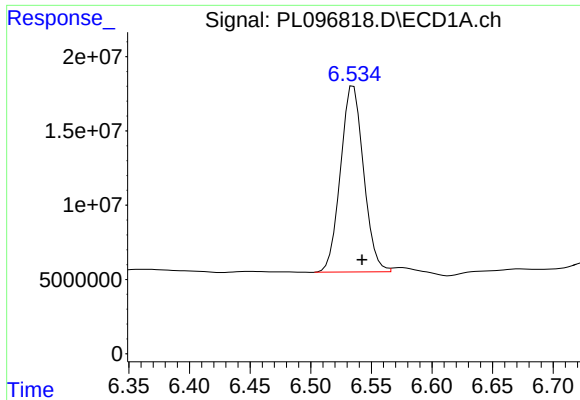
#6 beta-BHC

R.T.: 4.493 min
Delta R.T.: -0.004 min
Response: 18826992
Conc: 10.43 ng/ml



#6 beta-BHC

R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 30137711
Conc: 10.68 ng/ml



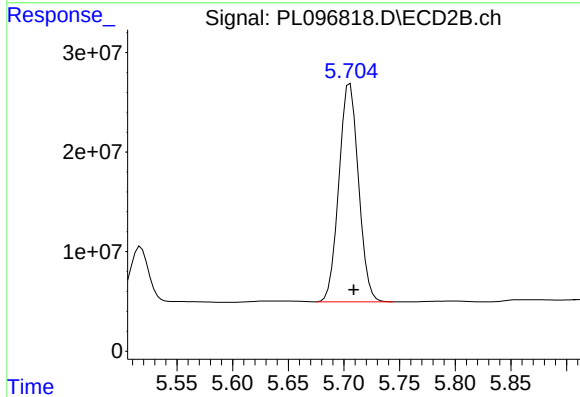
#14 Endrin

R.T.: 6.534 min
Delta R.T.: -0.009 min
Response: 166315119
Conc: 54.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

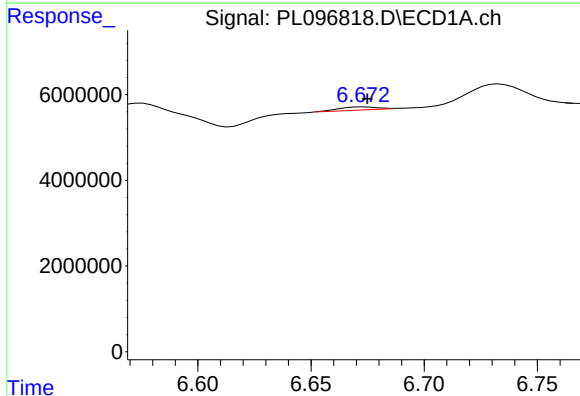
Manual Integrations
APPROVED

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



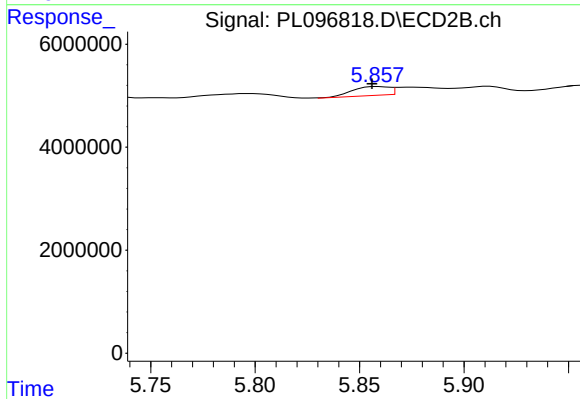
#14 Endrin

R.T.: 5.706 min
Delta R.T.: -0.003 min
Response: 268809359
Conc: 49.72 ng/ml



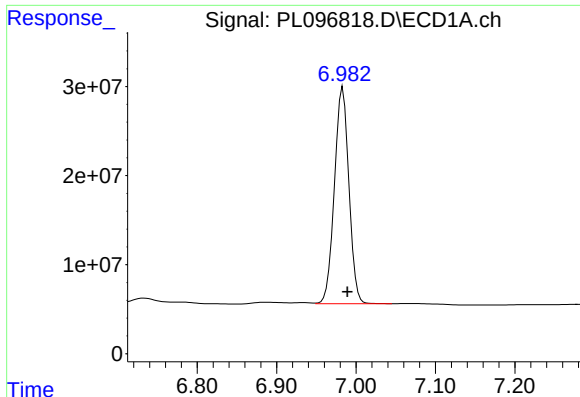
#16 4,4'-DDD

R.T.: 6.672 min
Delta R.T.: -0.003 min
Response: 926554
Conc: 0.37 ng/ml m



#16 4,4'-DDD

R.T.: 5.857 min
Delta R.T.: 0.001 min
Response: 2315961
Conc: 0.49 ng/ml m



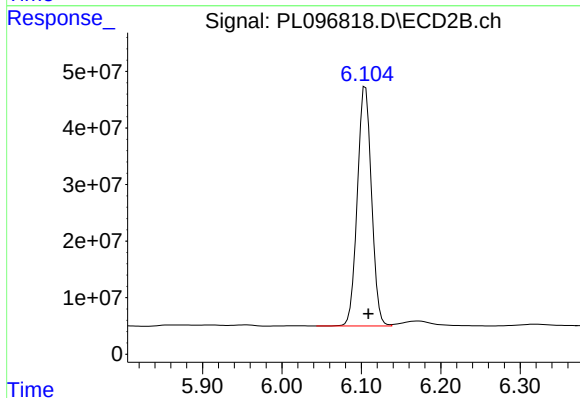
#17 4,4'-DDT

R.T.: 6.983 min
Delta R.T.: -0.006 min
Response: 307659279
Conc: 107.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

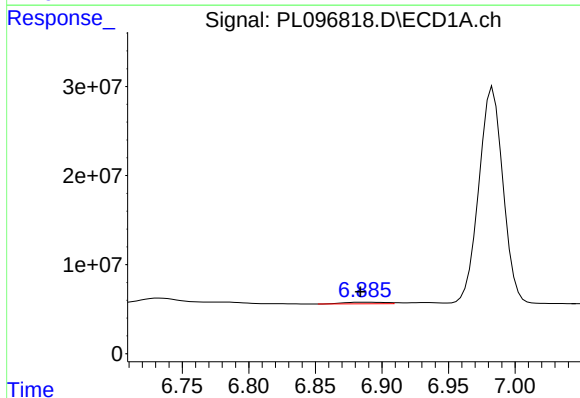
Manual Integrations
APPROVED

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



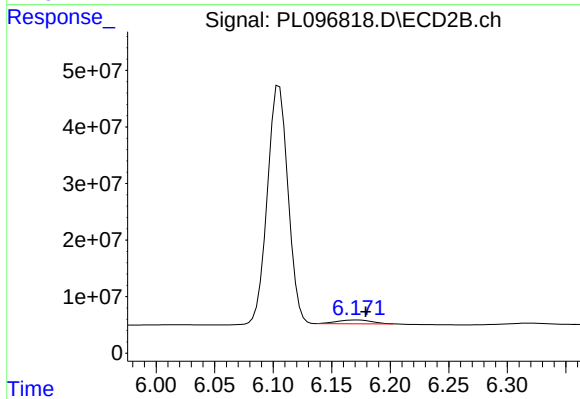
#17 4,4'-DDT

R.T.: 6.105 min
Delta R.T.: -0.004 min
Response: 523036483
Conc: 103.40 ng/ml



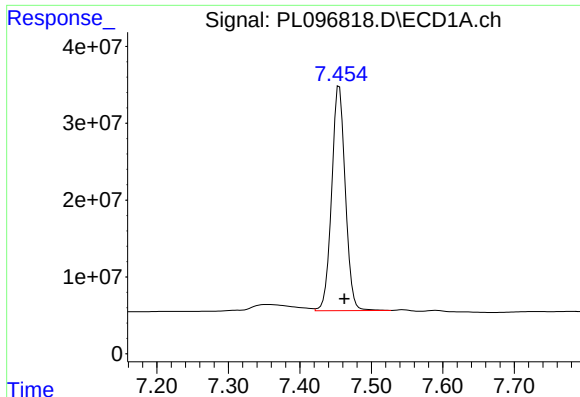
#18 Endrin aldehyde

R.T.: 6.885 min
Delta R.T.: 0.001 min
Response: 4383907
Conc: 2.04 ng/ml m



#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: -0.008 min
Response: 14217821
Conc: 3.91 ng/ml m



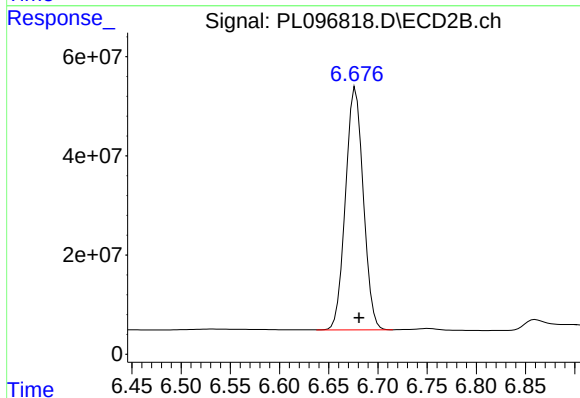
#20 Methoxychlor

R.T.: 7.455 min
Delta R.T.: -0.007 min
Response: 388373800
Conc: 264.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

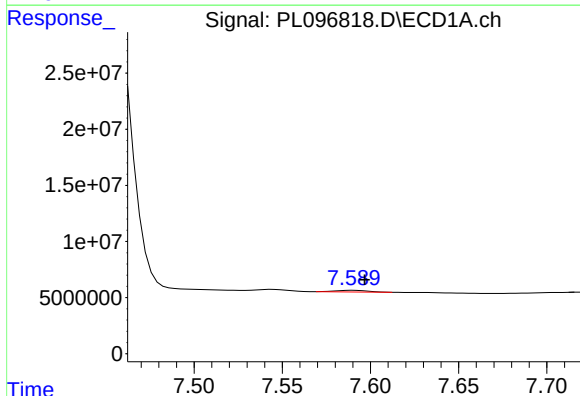
Manual Integrations
APPROVED

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



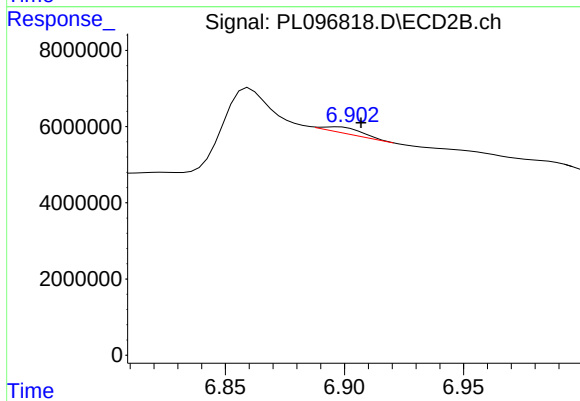
#20 Methoxychlor

R.T.: 6.676 min
Delta R.T.: -0.005 min
Response: 615921683
Conc: 224.75 ng/ml m



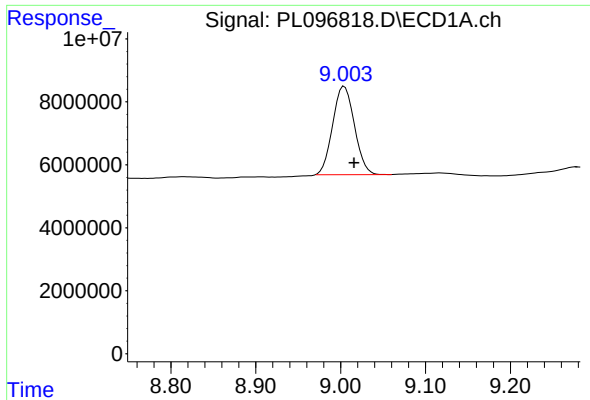
#21 Endrin ketone

R.T.: 7.589 min
Delta R.T.: -0.008 min
Response: 1921529
Conc: 0.64 ng/ml m



#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 1589905
Conc: 0.29 ng/ml m



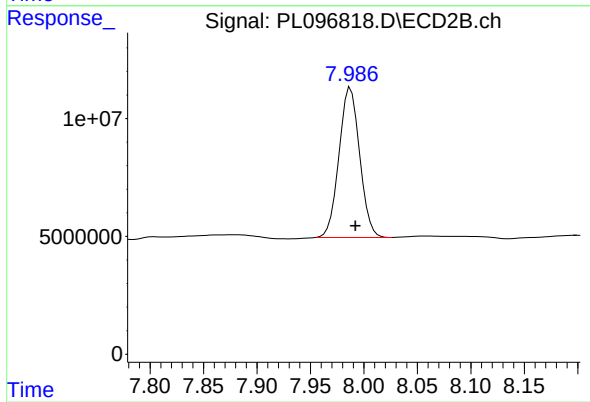
#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.011 min
Response: 49966203
Conc: 20.95 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.: 7.987 min
Delta R.T.: -0.005 min
Response: 85675813
Conc: 19.75 ng/ml

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

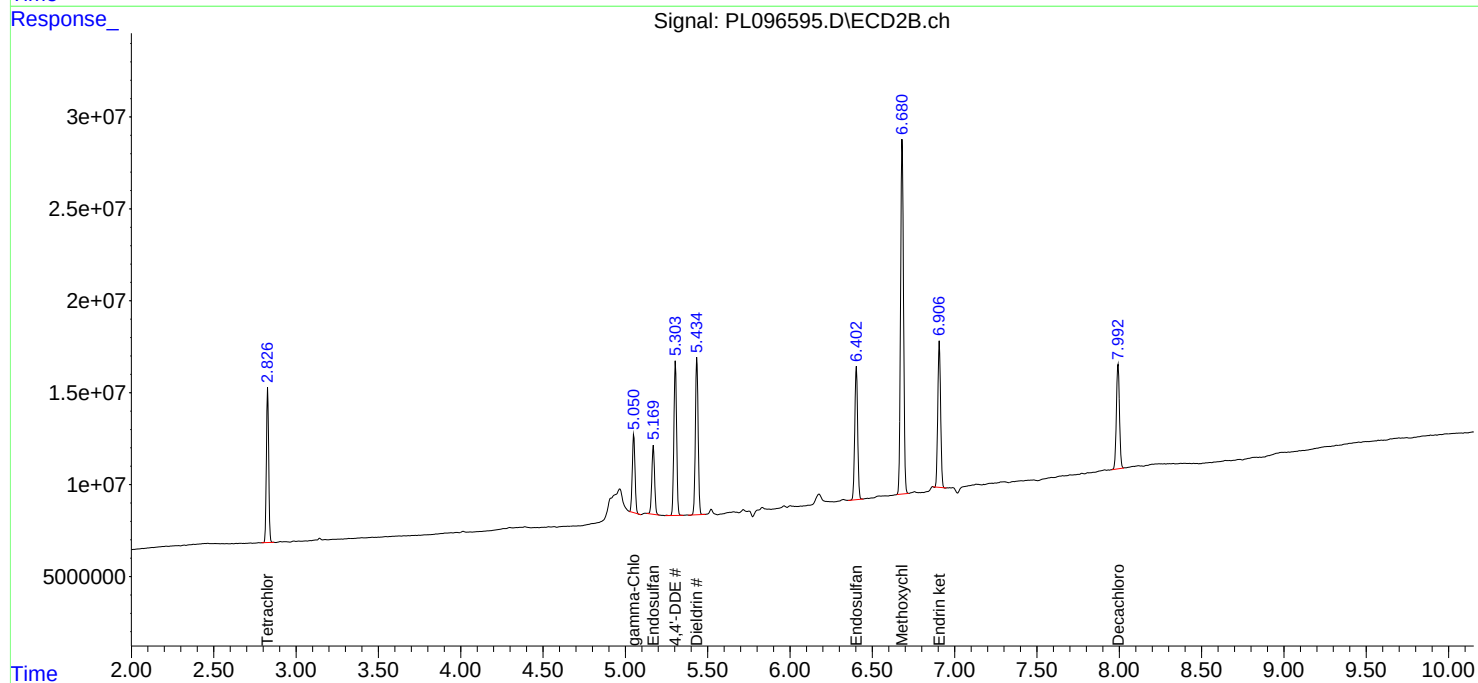
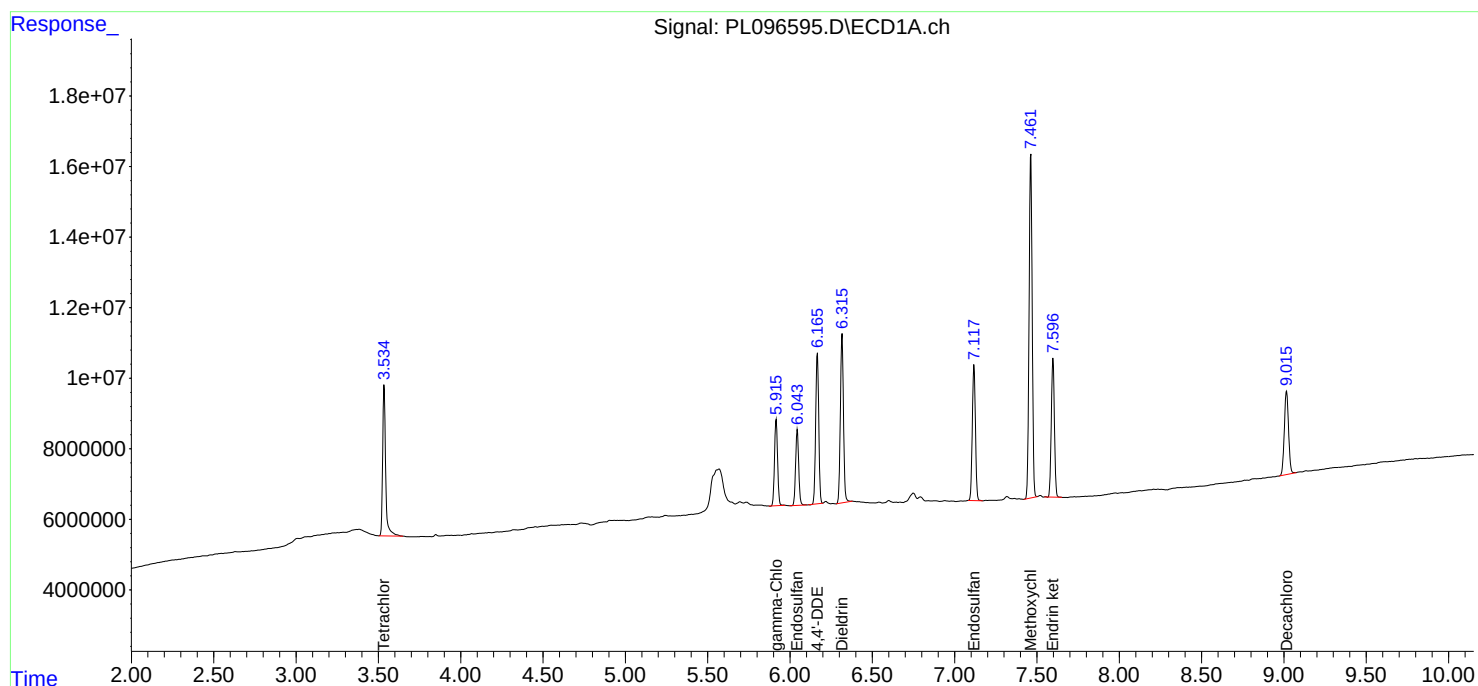
Instrument :
ECD_L
ClientSampleId :
RESCHK

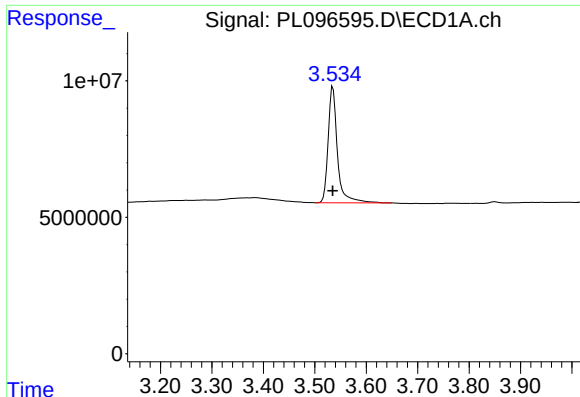
Manual Integrations
APPROVED

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





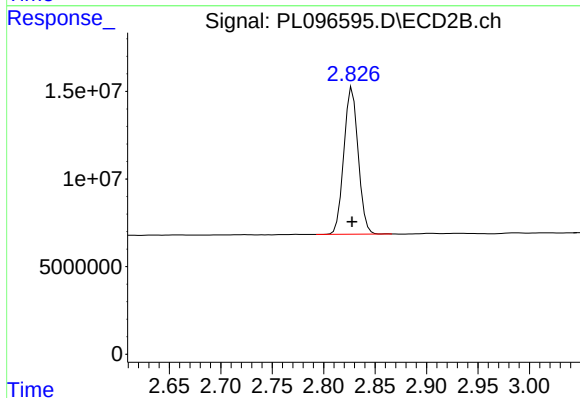
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 53837096
Conc: 16.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

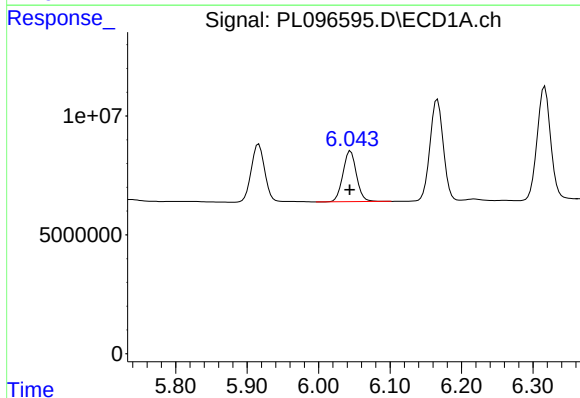
Manual Integrations
APPROVED

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



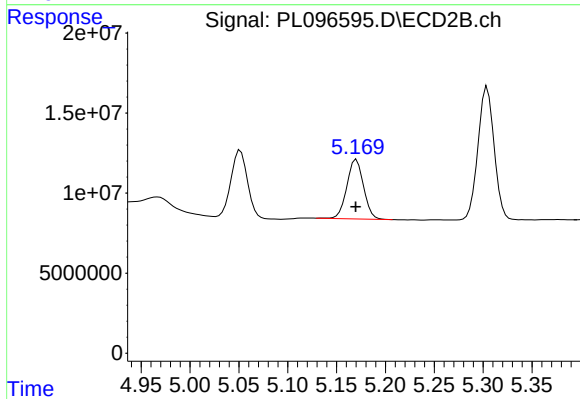
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 81066871
Conc: 16.97 ng/ml



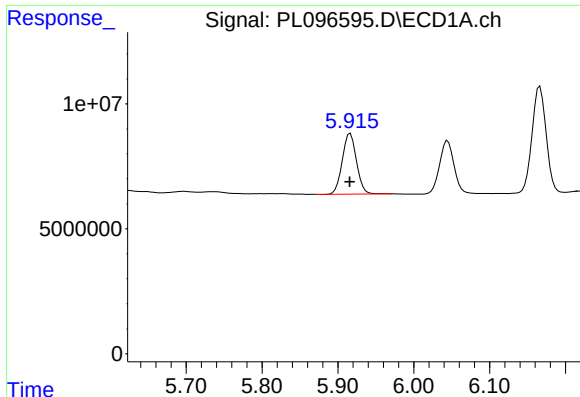
#9 Endosulfan I

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



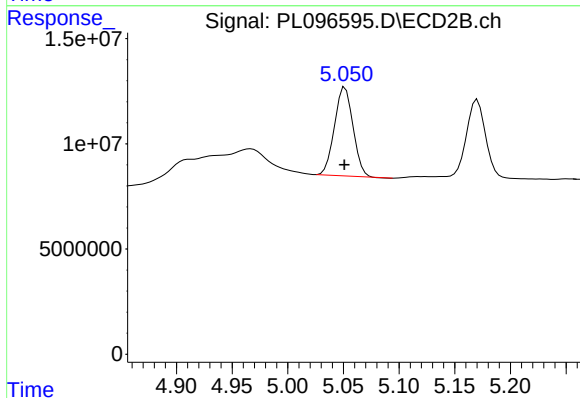
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 31638592
Conc: 8.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

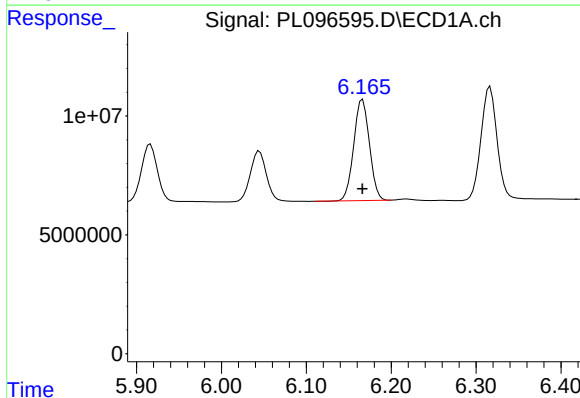
Manual Integrations
APPROVED

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



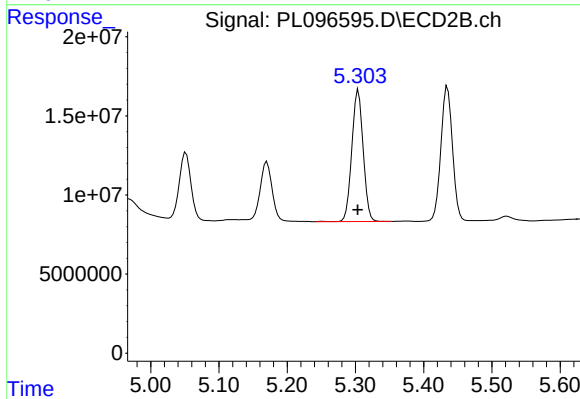
#10 gamma-Chlordane

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 48929496
Conc: 8.32 ng/ml



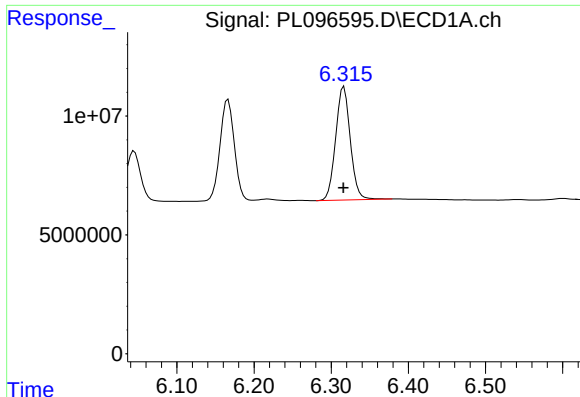
#12 4,4'-DDE

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



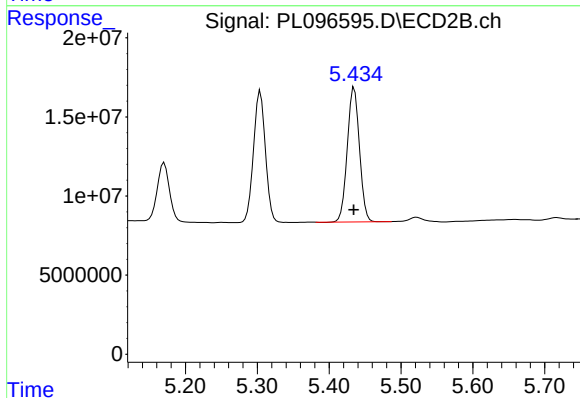
#13 Dieldrin

R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 63095073
Conc: 17.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

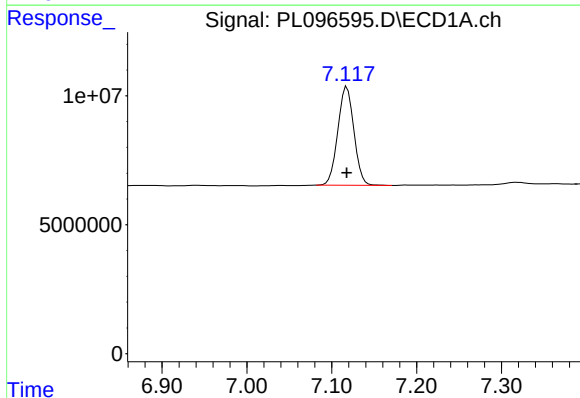
Manual Integrations
APPROVED

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



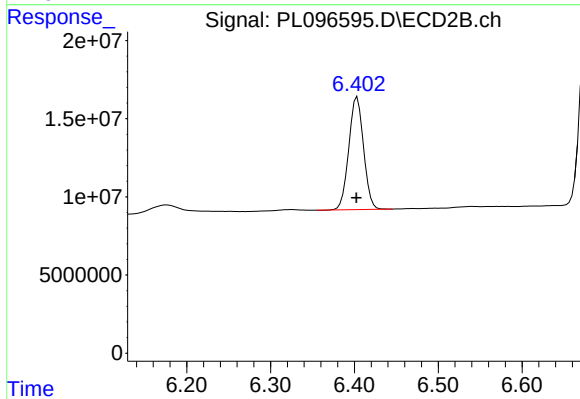
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: 0.000 min
Response: 99918926
Conc: 16.92 ng/ml



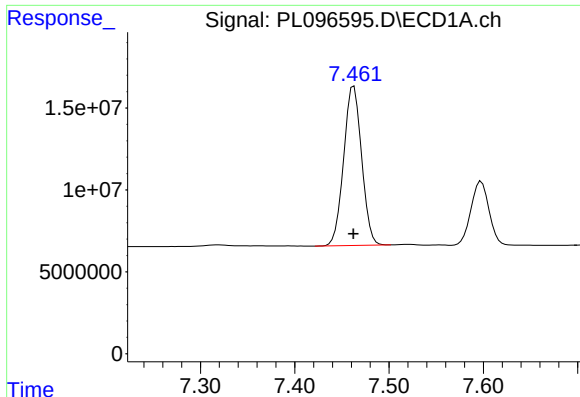
#19 Endosulfan Sulfate

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



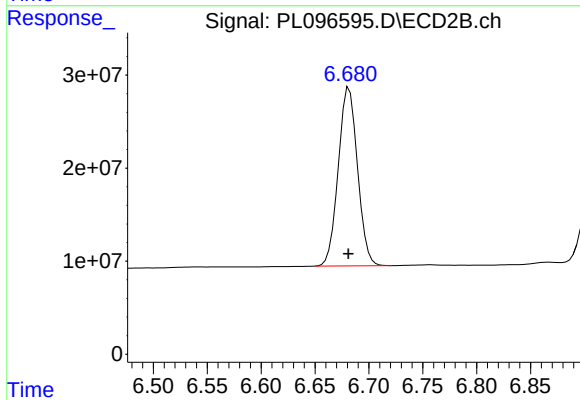
#20 Methoxychlor

R.T.: 7.463 min
Delta R.T.: 0.000 min
Response: 128897891
Conc: 87.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

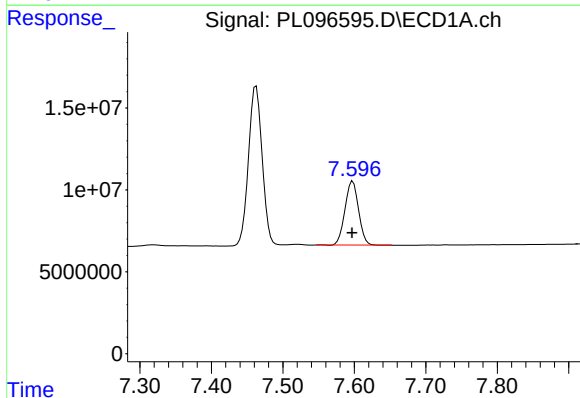
Manual Integrations
APPROVED

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



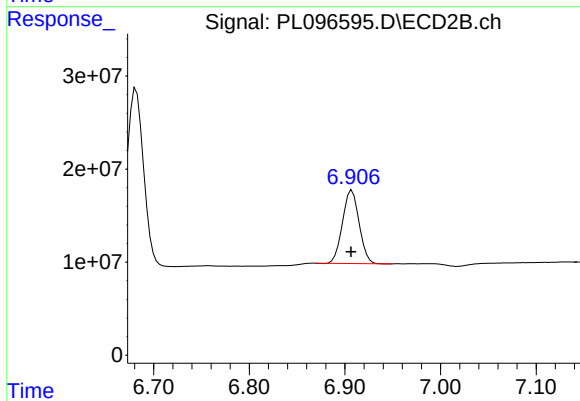
#20 Methoxychlor

R.T.: 6.682 min
Delta R.T.: 0.000 min
Response: 238424041
Conc: 87.00 ng/ml



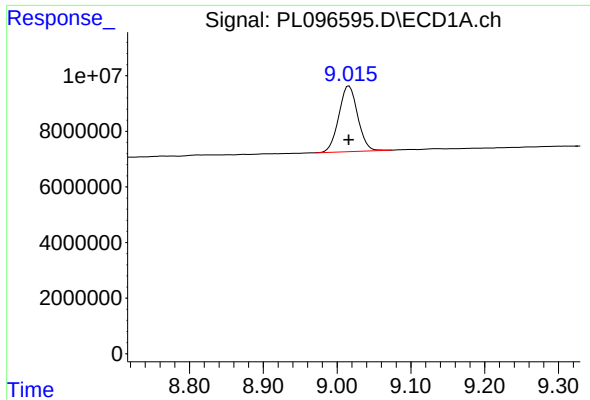
#21 Endrin ketone

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



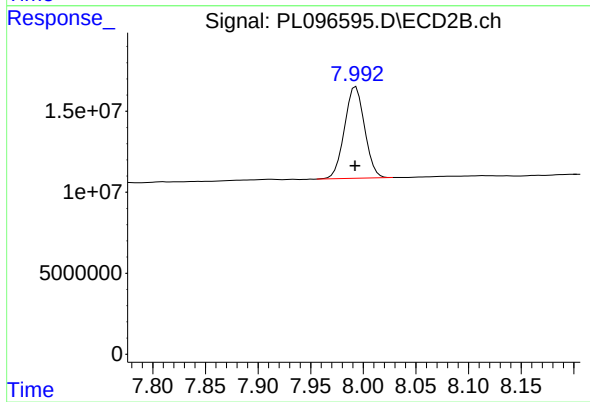
#28 Decachlorobiphenyl

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: First Environment, Inc.

SDG No.: Q2814

Project: USACE018-44 DOD

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	08/15/2025	09:11	PL096817.D	9.01	3.53
PEM	PEM	08/15/2025	10:13	PL096818.D	9.00	3.53
PSTDCCC050	PSTDCCC050	08/15/2025	10:58	PL096819.D	9.01	3.53
PB169225BL	PB169225BL	08/15/2025	16:07	PL096822.D	9.00	3.53
PB169225BS	PB169225BS	08/15/2025	16:21	PL096823.D	9.00	3.53
PB169225BSD	PB169225BSD	08/15/2025	16:34	PL096824.D	9.00	3.53
IBLK	IBLK	08/15/2025	17:51	PL096827.D	9.00	3.53
PSTDCCC050	PSTDCCC050	08/15/2025	18:05	PL096828.D	9.00	3.53
TW-84SB-E	Q2814-01	08/15/2025	18:59	PL096831.D	9.00	3.53
TW-17M-W	Q2814-03	08/15/2025	19:13	PL096832.D	9.00	3.53
FB	Q2814-16	08/15/2025	19:26	PL096833.D	9.00	3.53
TW-518R-S	Q2814-17	08/15/2025	19:40	PL096834.D	9.00	3.53
IBLK	IBLK	08/15/2025	19:54	PL096835.D	9.00	3.53
PSTDCCC050	PSTDCCC050	08/15/2025	20:48	PL096837.D	9.00	3.53

Analytical Sequence

Client: First Environment, Inc.

SDG No.: Q2814

Project: USACE018-44 DOD

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 #
LBLK	LBLK	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
LBLK	LBLK	08/15/2025	09:11	PL096817.D	7.99	2.82
PEM	PEM	08/15/2025	10:13	PL096818.D	7.99	2.83
PSTDCCC050	PSTDCCC050	08/15/2025	10:58	PL096819.D	7.99	2.82
PB169225BL	PB169225BL	08/15/2025	16:07	PL096822.D	7.99	2.82
PB169225BS	PB169225BS	08/15/2025	16:21	PL096823.D	7.99	2.83
PB169225BSD	PB169225BSD	08/15/2025	16:34	PL096824.D	7.99	2.83
LBLK	LBLK	08/15/2025	17:51	PL096827.D	7.99	2.82
PSTDCCC050	PSTDCCC050	08/15/2025	18:05	PL096828.D	7.99	2.83
TW-84SB-E	Q2814-01	08/15/2025	18:59	PL096831.D	7.99	2.83
TW-17M-W	Q2814-03	08/15/2025	19:13	PL096832.D	7.99	2.83
FB	Q2814-16	08/15/2025	19:26	PL096833.D	7.99	2.83
TW-518R-S	Q2814-17	08/15/2025	19:40	PL096834.D	7.99	2.83
LBLK	LBLK	08/15/2025	19:54	PL096835.D	7.99	2.83
PSTDCCC050	PSTDCCC050	08/15/2025	20:48	PL096837.D	7.99	2.83

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169225BS

Lab Name: Alliance

Contract: FIRS02

Lab Code: ACE

SDG NO.: Q2814

Lab Sample ID: PB169225BS

Date(s) Analyzed: 08/15/2025 08/15/2025

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	0.50	1.7
	2	5.85	5.80	5.90	0.49	
4,4'-DDE	1	6.16	6.11	6.21	0.49	0.9
	2	5.30	5.25	5.35	0.49	
4,4'-DDT	1	6.98	6.93	7.03	0.50	2.2
	2	6.10	6.05	6.15	0.49	
alpha-BHC	1	3.98	3.93	4.03	0.50	0.1
	2	3.33	3.28	3.38	0.50	
Aldrin	1	5.24	5.19	5.29	0.49	0.6
	2	4.29	4.24	4.34	0.50	
alpha-Chlordane	1	5.99	5.94	6.04	0.50	2.6
	2	5.11	5.06	5.16	0.49	
Endosulfan II	1	6.75	6.70	6.80	0.51	4.1
	2	6.00	5.95	6.05	0.49	
Endosulfan sulfate	1	7.11	7.06	7.16	0.48	0.8
	2	6.40	6.35	6.45	0.48	
beta-BHC	1	4.49	4.44	4.54	0.50	0.8
	2	3.96	3.91	4.01	0.50	
delta-BHC	1	4.74	4.69	4.79	0.50	0.5
	2	4.19	4.14	4.24	0.50	
Endosulfan I	1	6.04	5.99	6.09	0.49	2.9
	2	5.17	5.12	5.22	0.48	
Dieldrin	1	6.31	6.26	6.36	0.49	0.3
	2	5.43	5.38	5.48	0.49	
Endrin aldehyde	1	6.88	6.83	6.93	0.53	3.3
	2	6.17	6.12	6.22	0.55	
Methoxychlor	1	7.45	7.40	7.50	0.49	0.6
	2	6.68	6.63	6.73	0.48	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169225BS

Lab Name: Alliance

Contract: FIRS02

Lab Code: ACE

SDG NO.: Q2814

Lab Sample ID: PB169225BS

Date(s) Analyzed: 08/15/2025 08/15/2025

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	0.49	5.6
	2	6.90	6.85	6.95	0.52	
gamma-BHC (Lindane)	1	4.30	4.25	4.35	0.50	1
	2	3.66	3.61	3.71	0.50	
Heptachlor	1	4.90	4.85	4.95	0.53	7.6
	2	4.01	3.96	4.06	0.49	
Heptachlor epoxide	1	5.66	5.61	5.71	0.51	3.1
	2	4.80	4.75	4.85	0.49	
gamma-Chlordane	1	5.91	5.86	5.96	0.50	1.4
	2	5.05	5.00	5.10	0.50	
Endrin	1	6.53	6.48	6.58	0.51	4.8
	2	5.71	5.66	5.76	0.48	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169225BSD

Lab Name: Alliance

Contract: FIRS02

Lab Code: ACE

SDG NO.: Q2814

Lab Sample ID: PB169225BSD

Date(s) Analyzed: 08/15/2025 08/15/2025

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 sulfate	1	7.11	7.06	7.16	0.48	0.1
	2	6.40	6.35	6.45	0.47	
Endrin ketone	1	7.59	7.54	7.64	0.48	2.5
	2	6.90	6.85	6.95	0.49	
alpha-BHC	1	3.98	3.93	4.03	0.48	0.4
	2	3.33	3.28	3.38	0.48	
Aldrin	1	5.24	5.19	5.29	0.48	0
	2	4.29	4.24	4.34	0.48	
beta-BHC	1	4.49	4.44	4.54	0.49	0.8
	2	3.96	3.91	4.01	0.48	
delta-BHC	1	4.74	4.69	4.79	0.49	1.1
	2	4.19	4.14	4.24	0.48	
Endosulfan I	1	6.04	5.99	6.09	0.48	4.5
	2	5.17	5.12	5.22	0.46	
alpha-Chlordane	1	5.99	5.94	6.04	0.49	2.8
	2	5.11	5.06	5.16	0.47	
4,4'-DDE	1	6.16	6.11	6.21	0.50	3
	2	5.30	5.25	5.35	0.48	
Dieldrin	1	6.31	6.26	6.36	0.49	0.9
	2	5.43	5.38	5.48	0.48	
Endrin	1	6.53	6.48	6.58	0.49	4.9
	2	5.71	5.66	5.76	0.47	
Methoxychlor	1	7.46	7.41	7.51	0.47	1.6
	2	6.68	6.63	6.73	0.47	
gamma-BHC (Lindane)	1	4.31	4.26	4.36	0.48	1.9
	2	3.66	3.61	3.71	0.48	
Heptachlor	1	4.90	4.85	4.95	0.52	8.1
	2	4.01	3.96	4.06	0.48	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169225BSD

Lab Name: Alliance

Contract: FIRS02

Lab Code: ACE

SDG NO.: Q2814

Lab Sample ID: PB169225BSD

Date(s) Analyzed: 08/15/2025 08/15/2025

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 epoxide	1	5.66	5.61	5.71	0.49	3.2
	2	4.80	4.75	4.85	0.48	
gamma-Chlordane	1	5.91	5.86	5.96	0.49	1.8
	2	5.05	5.00	5.10	0.48	
Endosulfan II	1	6.75	6.70	6.80	0.51	6.3
	2	6.00	5.95	6.05	0.48	
4,4'-DDD	1	6.67	6.62	6.72	0.49	1.9
	2	5.85	5.80	5.90	0.48	
4,4'-DDT	1	6.98	6.93	7.03	0.48	2.4
	2	6.11	6.06	6.16	0.47	
Endrin aldehyde	1	6.88	6.83	6.93	0.52	3.5
	2	6.18	6.13	6.23	0.54	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TW-17M-W

Lab Name: Alliance

Contract: FIRS02

Lab Code: ACE

SDG NO.: Q2814

Lab Sample ID: Q2814-03

Date(s) Analyzed: 08/15/2025 08/15/2025

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	0.72	31.4
	2	5.05	5.00	5.10	0.53	
alpha-Chlordane	1	5.99	5.94	6.04	0.93	17.8
	2	5.11	5.06	5.16	0.78	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TW-518R-S

Lab Name: Alliance

Contract: FIRS02

Lab Code: ACE

SDG NO.: Q2814

Lab Sample ID: Q2814-17

Date(s) Analyzed: 08/15/2025 08/15/2025

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	0.012	8.3
	2	5.85	5.80	5.90	0.013	
4,4'-DDE	1	6.16	6.11	6.21	0.016	10
	2	5.30	5.25	5.35	0.014	
Dieldrin	1	6.32	6.27	6.37	0.0061	3.3
	2	5.43	5.38	5.48	0.0059	
Endrin	1	6.54	6.49	6.59	0.0044	14.7
	2	5.71	5.66	5.76	0.0051	



QC SAMPLE DATA

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169225BL	SDG No.:	Q2814
Lab Sample ID:	PB169225BL	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
PL096822.D	1	08/12/25 10:20	08/15/25 16:07	PB169225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.010	U	0.0039	0.010	0.050	ug/L
319-85-7	beta-BHC	0.010	U	0.0049	0.010	0.050	ug/L
319-86-8	delta-BHC	0.025	U	0.011	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.010	U	0.0037	0.010	0.050	ug/L
76-44-8	Heptachlor	0.010	U	0.0027	0.010	0.050	ug/L
309-00-2	Aldrin	0.010	U	0.0036	0.010	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0096	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.010	U	0.0031	0.010	0.050	ug/L
60-57-1	Dieldrin	0.010	U	0.0036	0.010	0.050	ug/L
72-55-9	4,4-DDE	0.010	U	0.0037	0.010	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0032	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0079	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.025	U	0.0071	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.010	U	0.0037	0.010	0.050	ug/L
50-29-3	4,4-DDT	0.010	U	0.0035	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0093	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.011	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.010	U	0.0035	0.010	0.050	ug/L
5103-74-2	gamma-Chlordane	0.010	U	0.0039	0.010	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.17	0.50	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.6		30 - 135		103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.7		44 - 124		99%	SPK: 20

Report of Analysis

Client:	First Environment, Inc.		Date Collected:		
Project:	USACE018-44 DOD		Date Received:		
Client Sample ID:	PB169225BL		SDG No.:	Q2814	
Lab Sample ID:	PB169225BL		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
PL096822.D	1	08/12/25 10:20	08/15/25 16:07	PB169225

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\PL081625\
Data File : PL096822.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 16:07
Operator : AR\AJ
Sample : PB169225BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB169225BL

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/18/2025
Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:55:08 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	62200378	94174771	19.555	19.711
28)	SA Decachlor...	9.004	7.987	48781039	89293709	20.456m	20.583

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096822.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 16:07
Operator : AR\AJ
Sample : PB169225BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

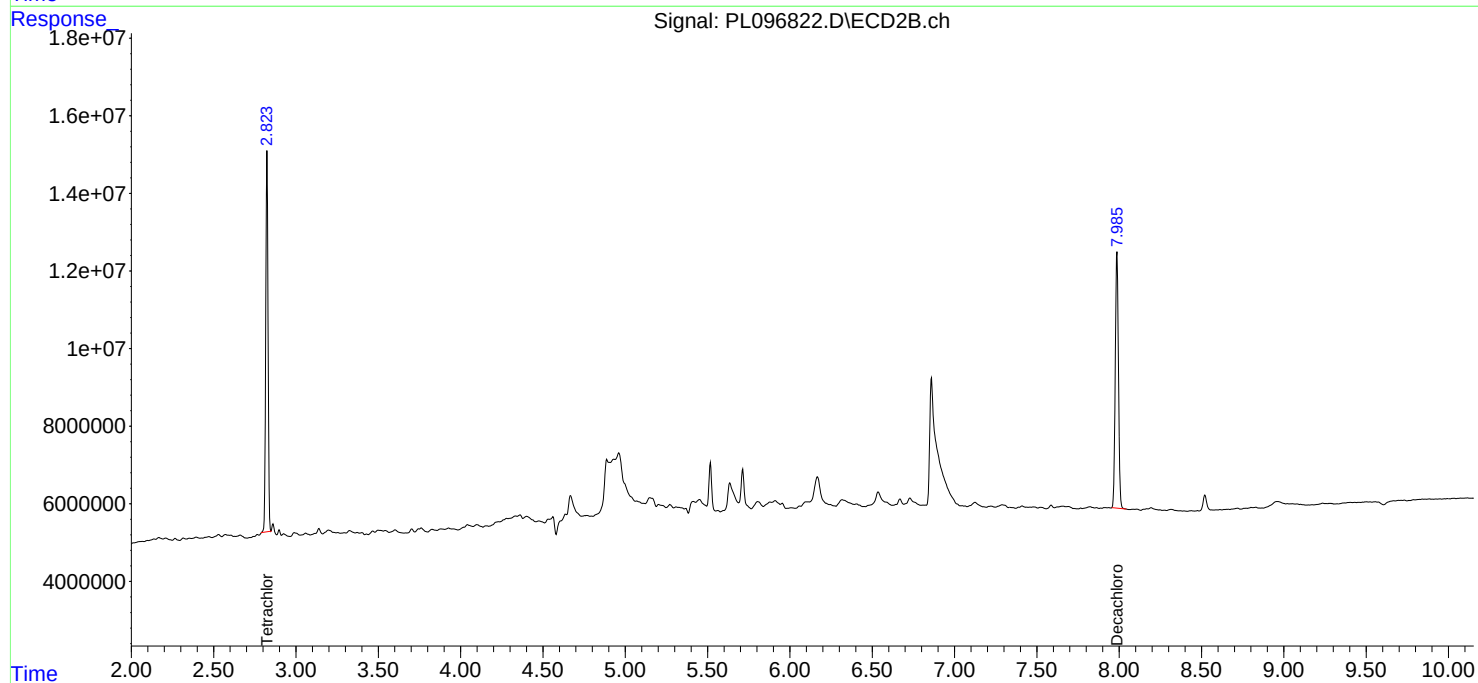
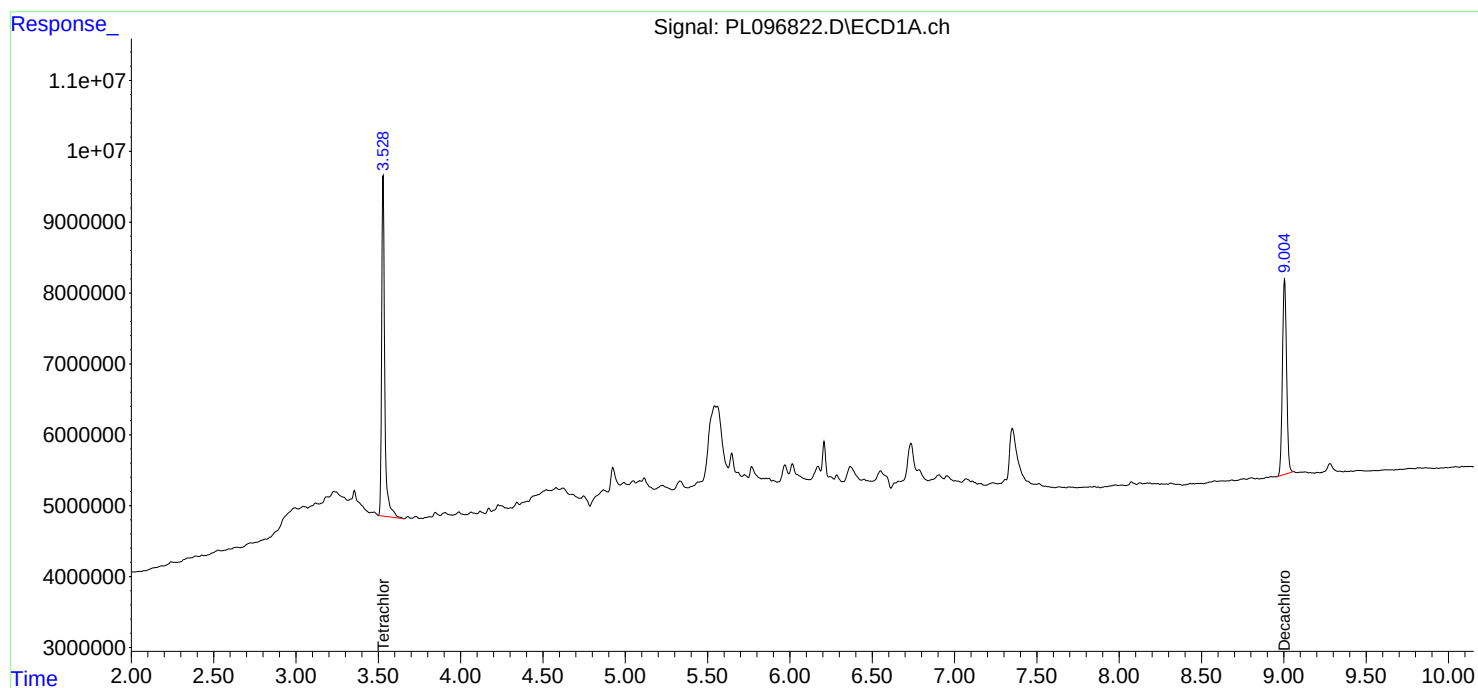
Instrument :
ECD_L
ClientSampleId :
PB169225BL

Manual Integrations
APPROVED

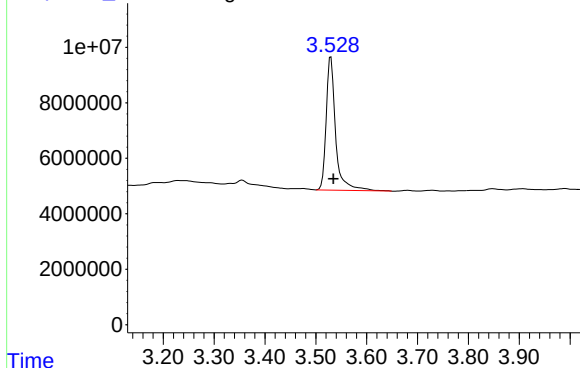
Reviewed By : Abdul Mirza 08/18/2025
Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:55:08 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: PL096822.D\ECD1A.ch



#1 Tetrachloro-m-xylene

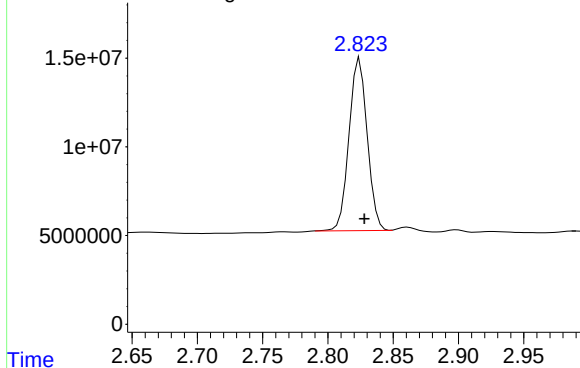
R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 62200378
Conc: 19.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BL

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025

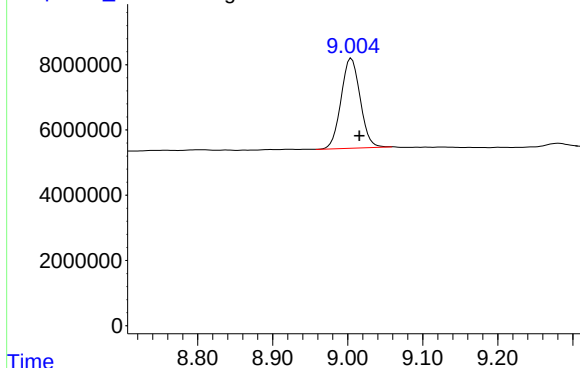
Time Response_ Signal: PL096822.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: -0.004 min
Response: 94174771
Conc: 19.71 ng/ml

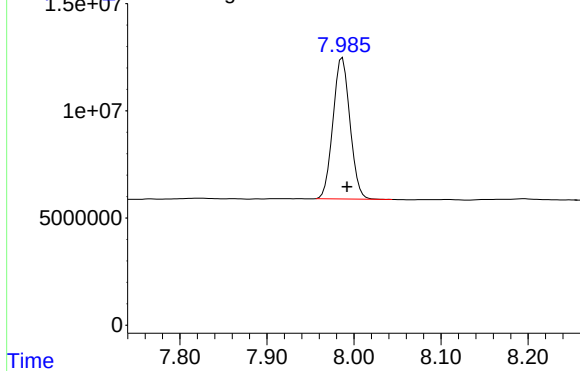
Response_ Signal: PL096822.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.012 min
Response: 48781039
Conc: 20.46 ng/ml m

Time Response_ Signal: PL096822.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 89293709
Conc: 20.58 ng/ml

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	07/28/25
Project:	USACE018-44 DOD	Date Received:	07/28/25
Client Sample ID:	PIBLK-PL096593.D	SDG No.:	Q2814
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	Decanted:	
		Final Vol:	10000
		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	0.010	U	0.0039	0.010	0.050	ug/L
319-85-7	beta-BHC	0.010	U	0.0049	0.010	0.050	ug/L
319-86-8	delta-BHC	0.025	U	0.011	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.010	U	0.0037	0.010	0.050	ug/L
76-44-8	Heptachlor	0.010	U	0.0027	0.010	0.050	ug/L
309-00-2	Aldrin	0.010	U	0.0036	0.010	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0096	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.010	U	0.0031	0.010	0.050	ug/L
60-57-1	Dieldrin	0.010	U	0.0036	0.010	0.050	ug/L
72-55-9	4,4-DDE	0.010	U	0.0037	0.010	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0032	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0079	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.025	U	0.0071	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.010	U	0.0037	0.010	0.050	ug/L
50-29-3	4,4-DDT	0.010	U	0.0035	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0093	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.011	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.010	U	0.0035	0.010	0.050	ug/L
5103-74-2	gamma-Chlordane	0.010	U	0.0039	0.010	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.17	0.50	1.00	ug/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:	First Environment, Inc.	Date Collected:	07/28/25
Project:	USACE018-44 DOD	Date Received:	07/28/25
Client Sample ID:	PIBLK-PL096593.D	SDG No.:	Q2814
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

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

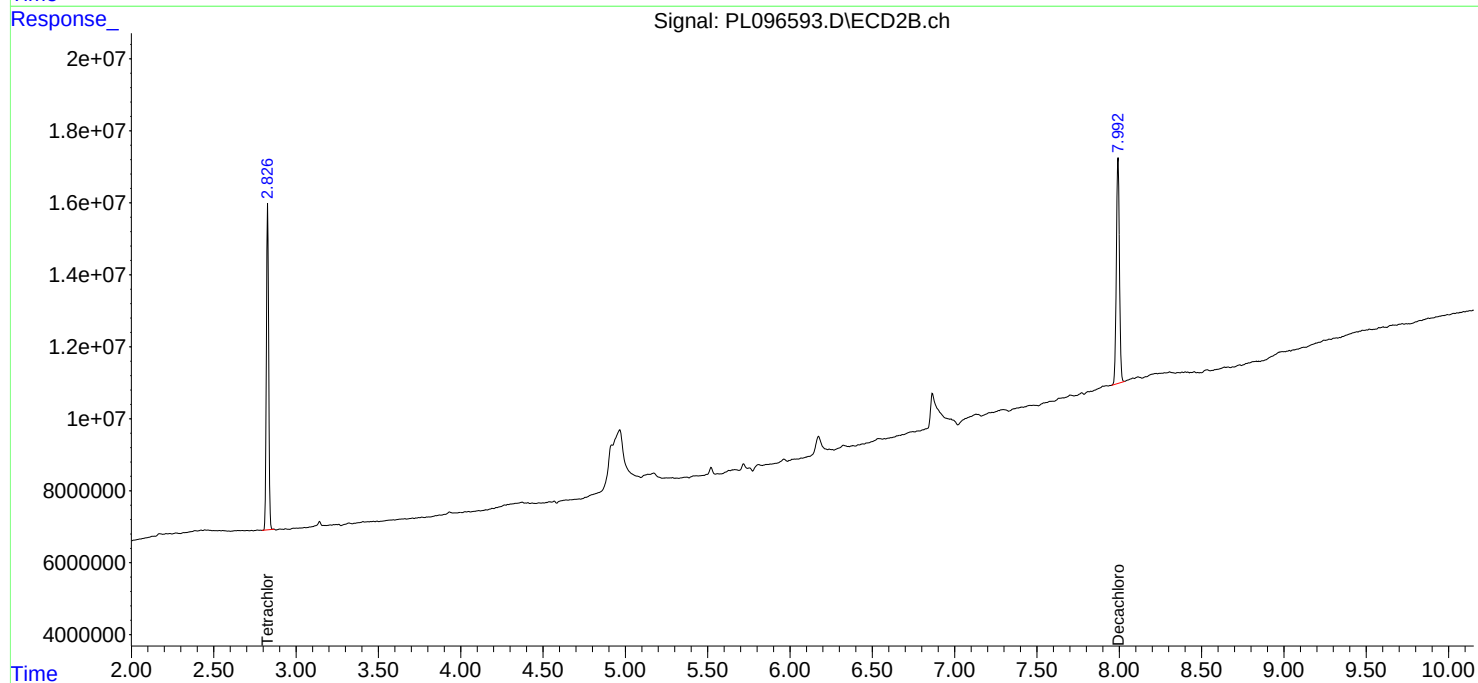
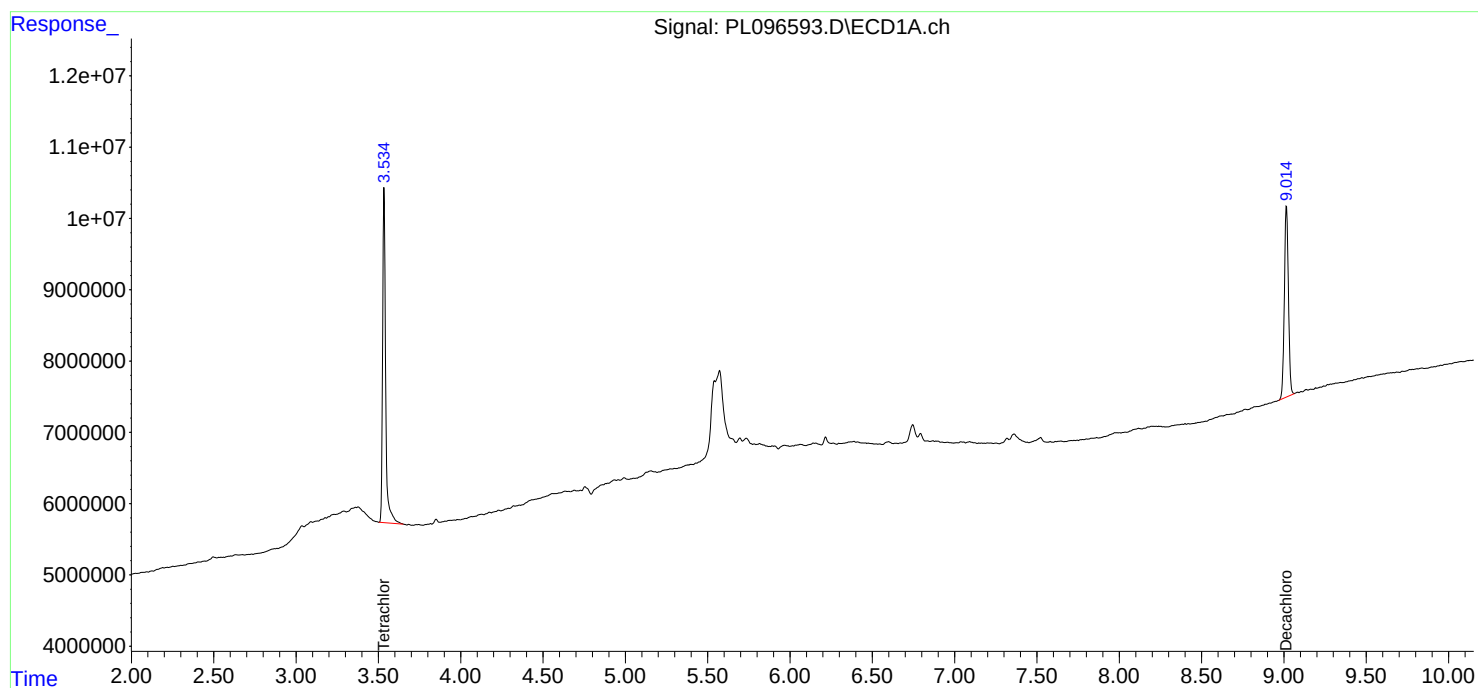
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

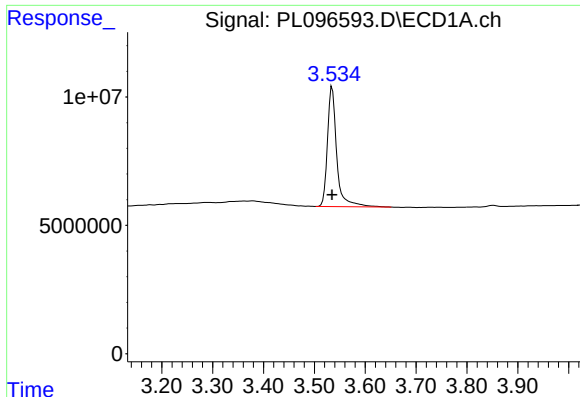
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:11
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

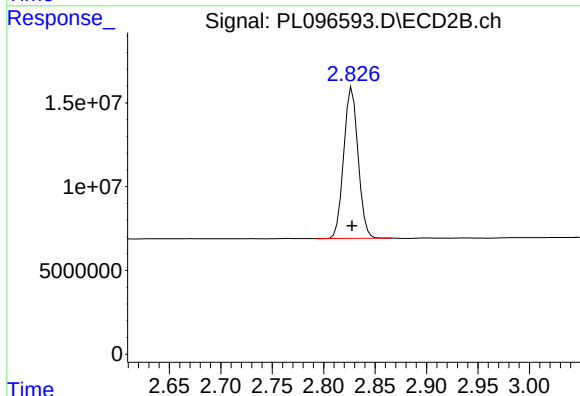




#1 Tetrachloro-m-xylene

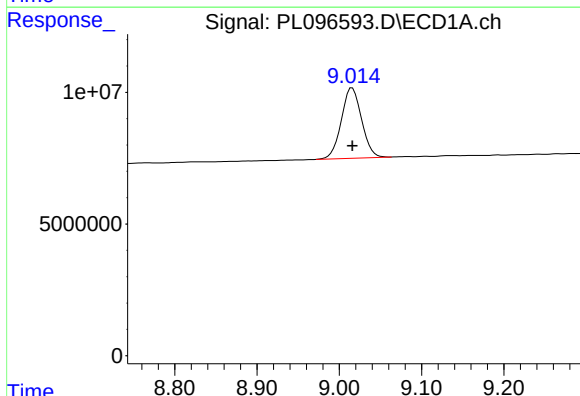
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 59301554
Conc: 18.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



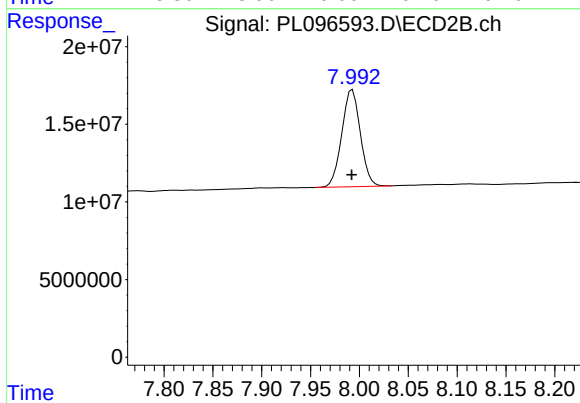
#1 Tetrachloro-m-xylene

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:	First Environment, Inc.	Date Collected:	08/15/25
Project:	USACE018-44 DOD	Date Received:	08/15/25
Client Sample ID:	PIBLK-PL096817.D	SDG No.:	Q2814
Lab Sample ID:	I.BLK-PL096817.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
PL096817.D	1		08/15/25	pl081625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.010	U	0.0039	0.010	0.050	ug/L
319-85-7	beta-BHC	0.010	U	0.0049	0.010	0.050	ug/L
319-86-8	delta-BHC	0.025	U	0.011	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.010	U	0.0037	0.010	0.050	ug/L
76-44-8	Heptachlor	0.010	U	0.0027	0.010	0.050	ug/L
309-00-2	Aldrin	0.010	U	0.0036	0.010	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0096	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.010	U	0.0031	0.010	0.050	ug/L
60-57-1	Dieldrin	0.010	U	0.0036	0.010	0.050	ug/L
72-55-9	4,4-DDE	0.010	U	0.0037	0.010	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0032	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0079	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.025	U	0.0071	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.010	U	0.0037	0.010	0.050	ug/L
50-29-3	4,4-DDT	0.010	U	0.0035	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0093	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.011	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.010	U	0.0035	0.010	0.050	ug/L
5103-74-2	gamma-Chlordane	0.010	U	0.0039	0.010	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.17	0.50	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.6		30 - 135		113%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.1		44 - 124		105%	SPK: 20

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/15/25
Project:	USACE018-44 DOD	Date Received:	08/15/25
Client Sample ID:	PIBLK-PL096817.D	SDG No.:	Q2814
Lab Sample ID:	I.BLK-PL096817.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
PL096817.D	1		08/15/25	p1081625

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\PL081625\
 Data File : PL096817.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 09:11
 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 08/18/2025
 Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 05:54:36 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	2.824	67085722	95299446	21.091	19.946
28) SA Decachlor...	9.005	7.986	53916338	83831500	22.610m	19.323

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096817.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 09:11
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

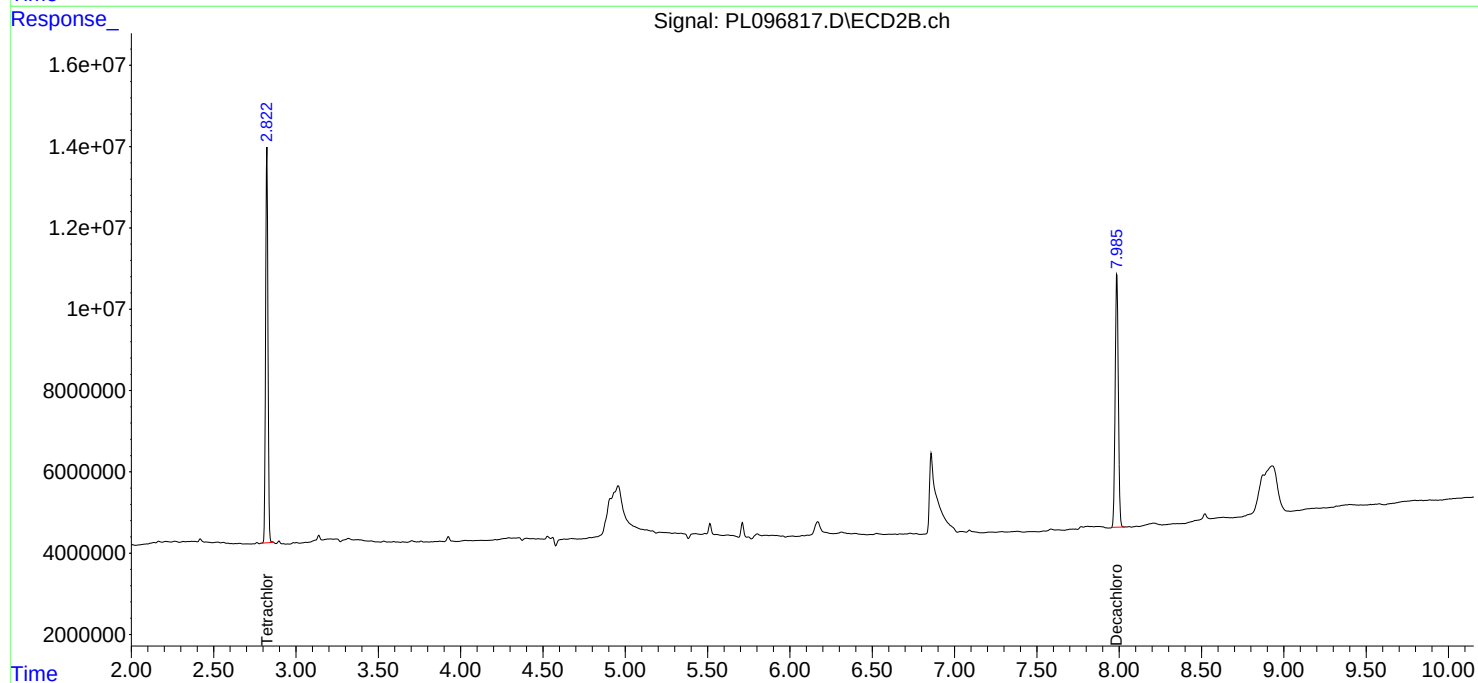
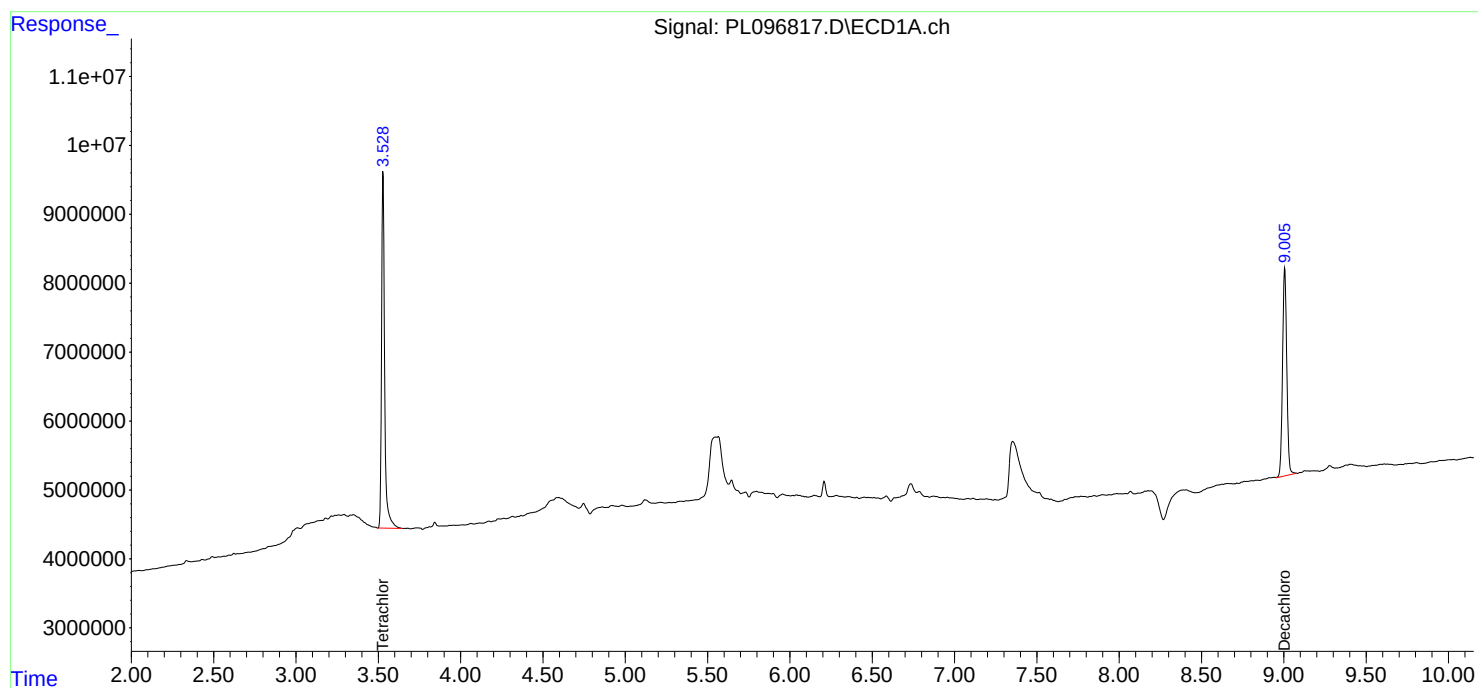
Instrument :
ECD_L
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

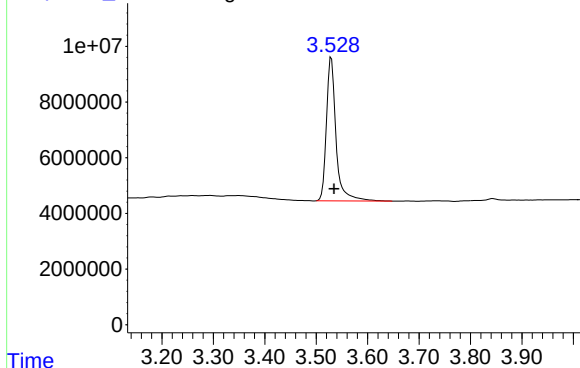
Reviewed By : Abdul Mirza 08/18/2025
Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:54:36 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: PL096817.D\ECD1A.ch



#1 Tetrachloro-m-xylene

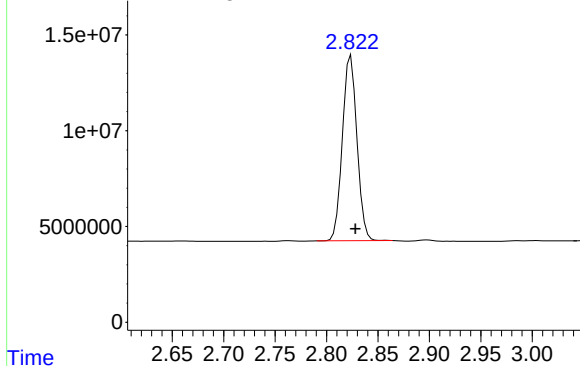
R.T.: 3.529 min
Delta R.T.: -0.006 min
Response: 67085722
Conc: 21.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025

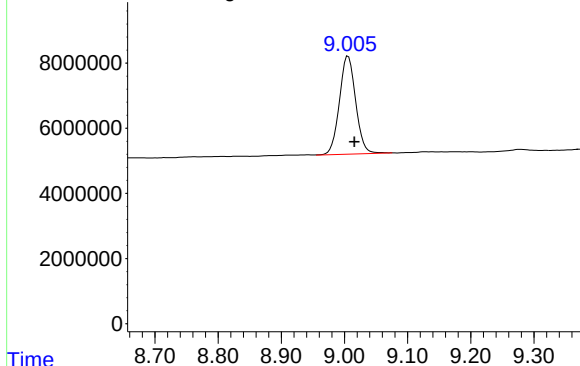
Time Response_ Signal: PL096817.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: -0.004 min
Response: 95299446
Conc: 19.95 ng/ml

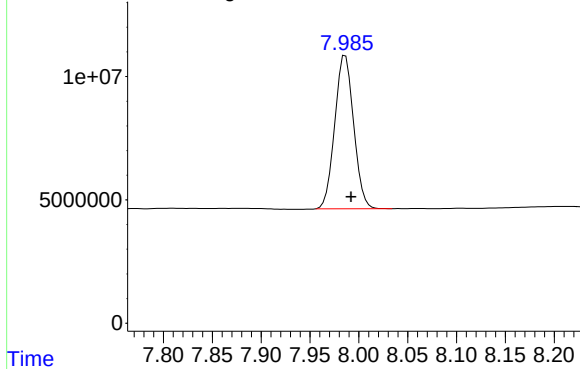
Time Response_ Signal: PL096817.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.005 min
Delta R.T.: -0.011 min
Response: 53916338
Conc: 22.61 ng/ml m

Time Response_ Signal: PL096817.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 83831500
Conc: 19.32 ng/ml

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/15/25
Project:	USACE018-44 DOD	Date Received:	08/15/25
Client Sample ID:	PIBLK-PL096827.D	SDG No.:	Q2814
Lab Sample ID:	I.BLK-PL096827.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
PL096827.D	1		08/15/25	pl081625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.010	U	0.0039	0.010	0.050	ug/L
319-85-7	beta-BHC	0.010	U	0.0049	0.010	0.050	ug/L
319-86-8	delta-BHC	0.025	U	0.011	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.010	U	0.0037	0.010	0.050	ug/L
76-44-8	Heptachlor	0.010	U	0.0027	0.010	0.050	ug/L
309-00-2	Aldrin	0.010	U	0.0036	0.010	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0096	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.010	U	0.0031	0.010	0.050	ug/L
60-57-1	Dieldrin	0.010	U	0.0036	0.010	0.050	ug/L
72-55-9	4,4-DDE	0.010	U	0.0037	0.010	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0032	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0079	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.025	U	0.0071	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.010	U	0.0037	0.010	0.050	ug/L
50-29-3	4,4-DDT	0.010	U	0.0035	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0093	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.011	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.010	U	0.0035	0.010	0.050	ug/L
5103-74-2	gamma-Chlordane	0.010	U	0.0039	0.010	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.17	0.50	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.1		30 - 135		110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		44 - 124		103%	SPK: 20

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/15/25
Project:	USACE018-44 DOD	Date Received:	08/15/25
Client Sample ID:	PIBLK-PL096827.D	SDG No.:	Q2814
Lab Sample ID:	I.BLK-PL096827.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
PL096827.D	1		08/15/25	p1081625

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\PL081625\
 Data File : PL096827.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 17:51
 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 08/18/2025
 Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 05:55:42 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	64368055	98181459	20.237	20.550
2) SA Decachlor...	9.004	7.987	52185238	95702144	21.884m	22.060

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096827.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 17:51
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

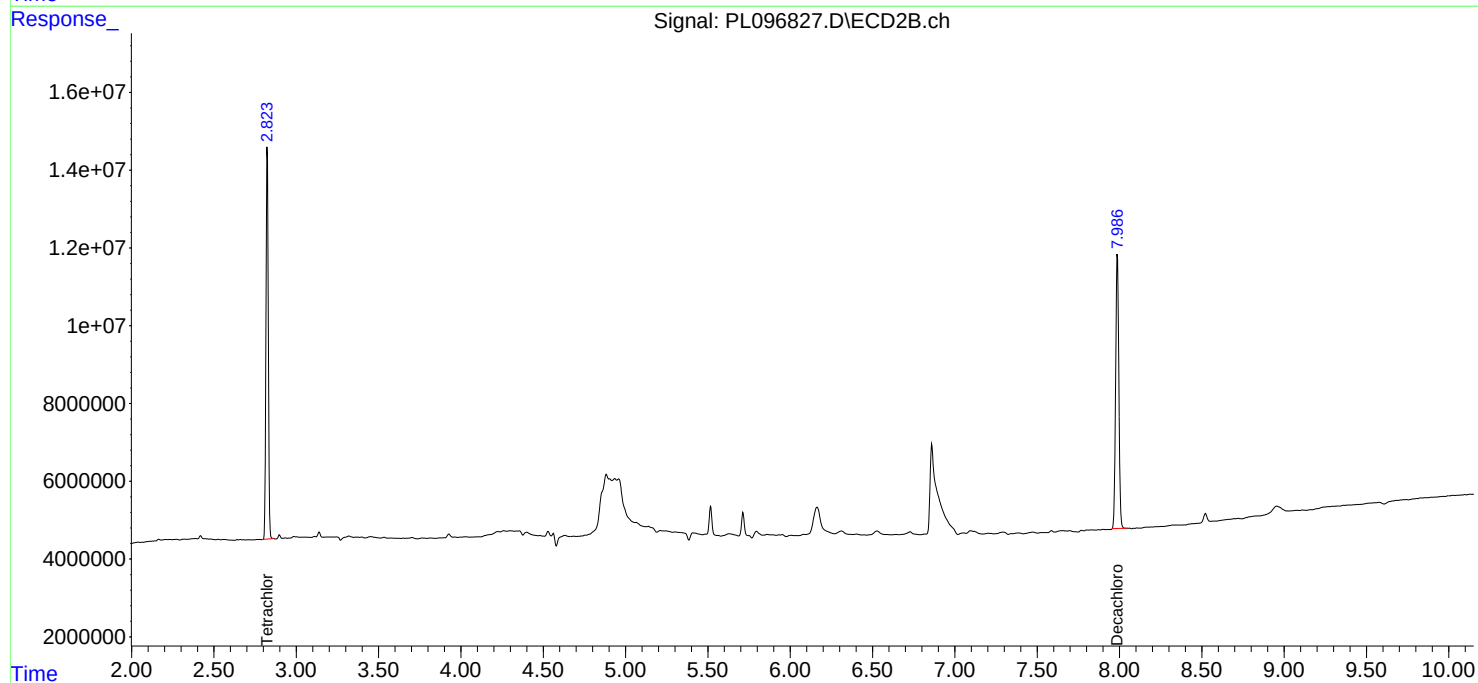
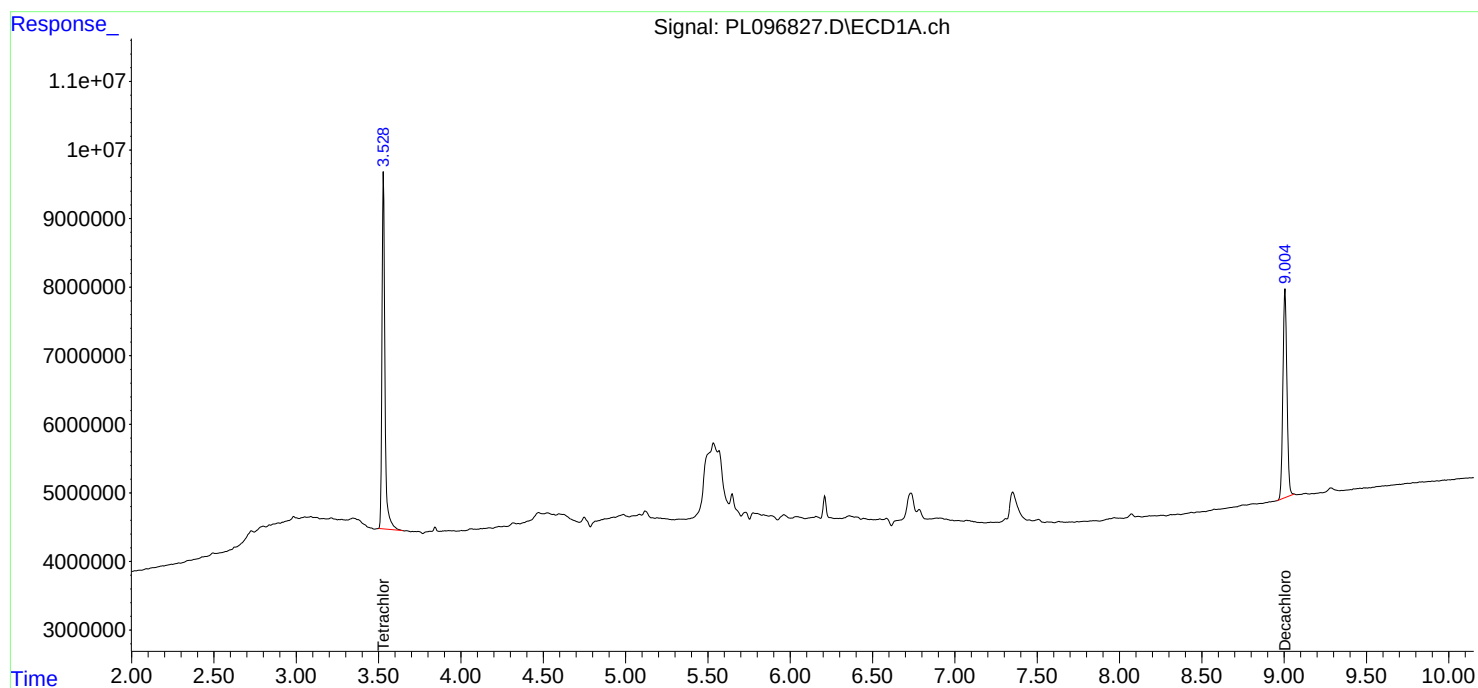
Instrument :
ECD_L
ClientSampleId :
I.BLK

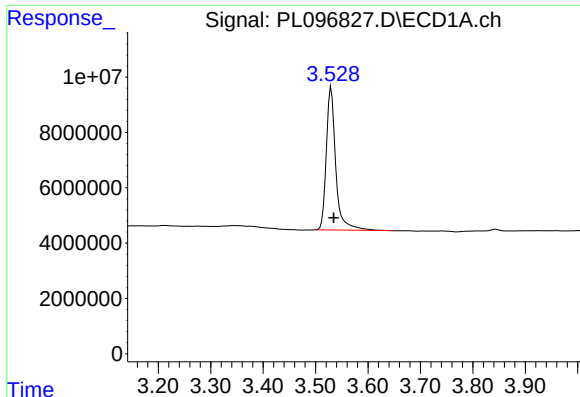
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/18/2025
Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:55:42 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





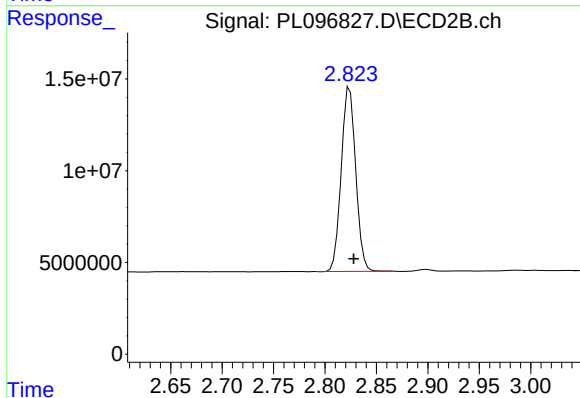
#1 Tetrachloro-m-xylene

R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 64368055
Conc: 20.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

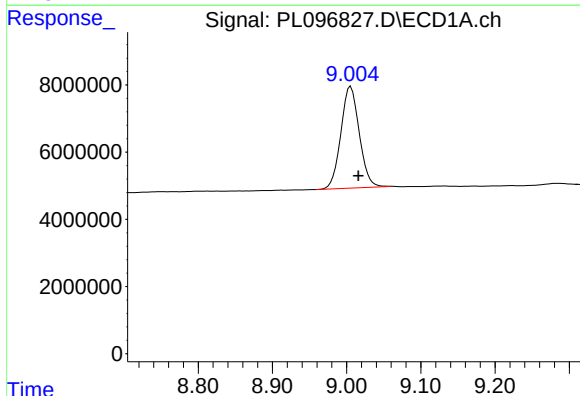
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



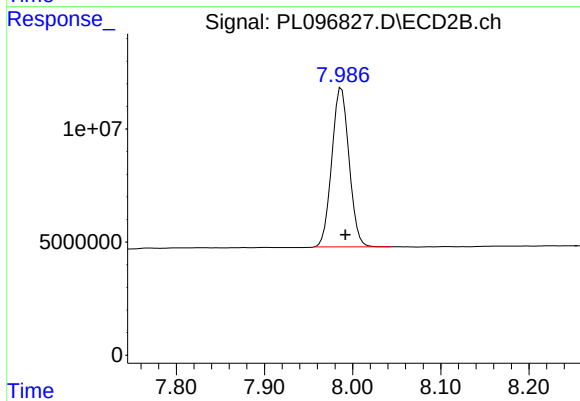
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: -0.004 min
Response: 98181459
Conc: 20.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.012 min
Response: 52185238
Conc: 21.88 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 95702144
Conc: 22.06 ng/ml

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/15/25
Project:	USACE018-44 DOD	Date Received:	08/15/25
Client Sample ID:	PIBLK-PL096835.D	SDG No.:	Q2814
Lab Sample ID:	I.BLK-PL096835.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
PL096835.D	1		08/15/25	pl081625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.010	U	0.0039	0.010	0.050	ug/L
319-85-7	beta-BHC	0.010	U	0.0049	0.010	0.050	ug/L
319-86-8	delta-BHC	0.025	U	0.011	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.010	U	0.0037	0.010	0.050	ug/L
76-44-8	Heptachlor	0.010	U	0.0027	0.010	0.050	ug/L
309-00-2	Aldrin	0.010	U	0.0036	0.010	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0096	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.010	U	0.0031	0.010	0.050	ug/L
60-57-1	Dieldrin	0.010	U	0.0036	0.010	0.050	ug/L
72-55-9	4,4-DDE	0.010	U	0.0037	0.010	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0032	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0079	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.025	U	0.0071	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.010	U	0.0037	0.010	0.050	ug/L
50-29-3	4,4-DDT	0.010	U	0.0035	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0093	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.011	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.010	U	0.0035	0.010	0.050	ug/L
5103-74-2	gamma-Chlordane	0.010	U	0.0039	0.010	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.17	0.50	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.5		30 - 135		107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		44 - 124		102%	SPK: 20

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/15/25
Project:	USACE018-44 DOD	Date Received:	08/15/25
Client Sample ID:	PIBLK-PL096835.D	SDG No.:	Q2814
Lab Sample ID:	I.BLK-PL096835.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
PL096835.D	1		08/15/25	p1081625

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\PL081625\
 Data File : PL096835.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 19:54
 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 08/18/2025
 Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 05:56:32 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	64836130	97845915	20.384	20.479
2) SA Decachlor...	9.002	7.986	51218863	90215642	21.478m	20.795

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096835.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 19:54
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

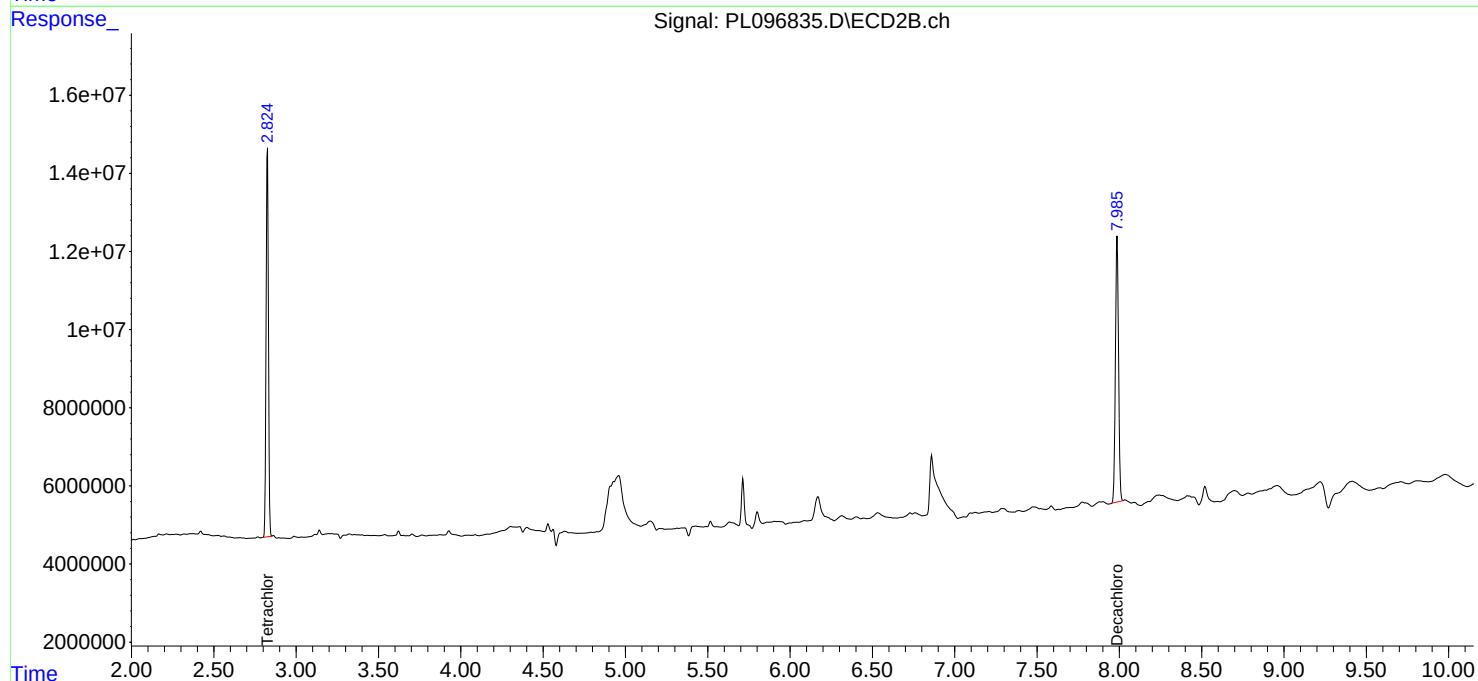
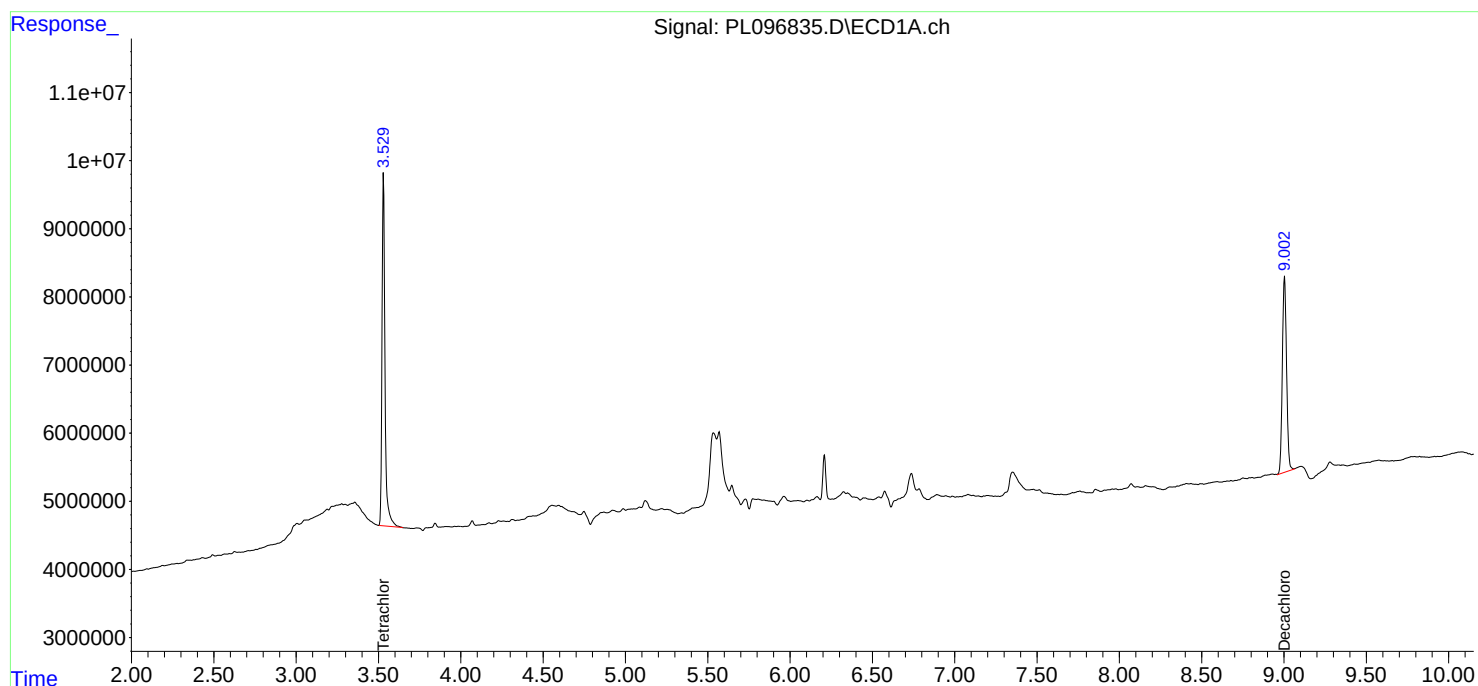
Instrument :
ECD_L
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

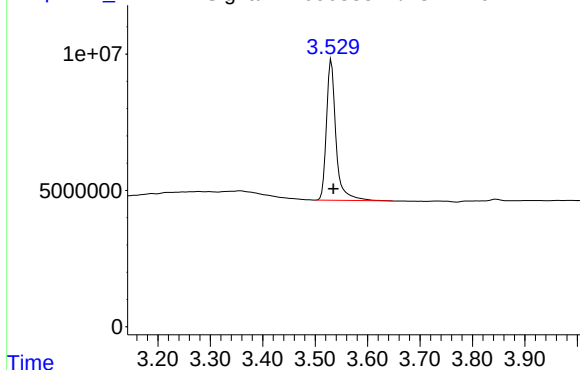
Reviewed By : Abdul Mirza 08/18/2025
Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:56:32 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: PL096835.D\ECD1A.ch



#1 Tetrachloro-m-xylene

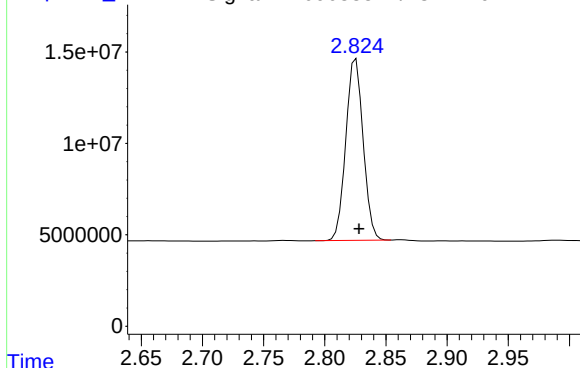
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 64836130
Conc: 20.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025

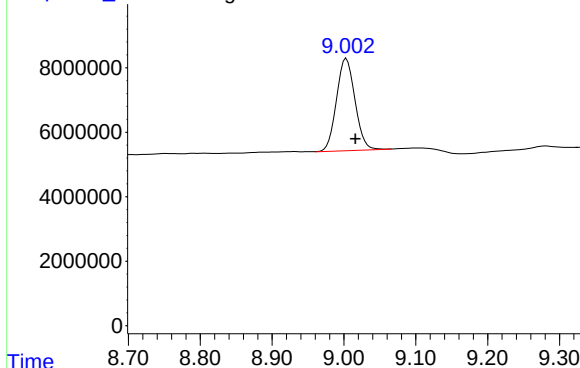
Time Response_ Signal: PL096835.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 97845915
Conc: 20.48 ng/ml

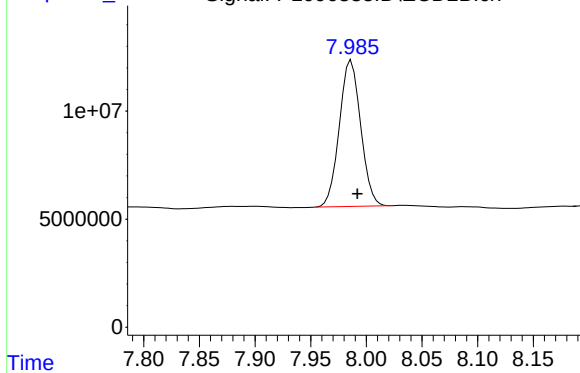
Response_ Signal: PL096835.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.002 min
Delta R.T.: -0.014 min
Response: 51218863
Conc: 21.48 ng/ml m

Time Response_ Signal: PL096835.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 90215642
Conc: 20.80 ng/ml

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169225BS	SDG No.:	Q2814
Lab Sample ID:	PB169225BS	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
PL096823.D	1	08/12/25 10:20	08/15/25 16:21	PB169225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.50		0.0039	0.010	0.050	ug/L
319-85-7	beta-BHC	0.50		0.0049	0.010	0.050	ug/L
319-86-8	delta-BHC	0.50		0.011	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.50		0.0037	0.010	0.050	ug/L
76-44-8	Heptachlor	0.53		0.0027	0.010	0.050	ug/L
309-00-2	Aldrin	0.50		0.0036	0.010	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.51		0.0096	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.49		0.0031	0.010	0.050	ug/L
60-57-1	Dieldrin	0.49		0.0036	0.010	0.050	ug/L
72-55-9	4,4-DDE	0.49		0.0037	0.010	0.050	ug/L
72-20-8	Endrin	0.51		0.0032	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.51		0.0079	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.50		0.0071	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.48		0.0037	0.010	0.050	ug/L
50-29-3	4,4-DDT	0.50		0.0035	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.49		0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.52		0.0093	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.55		0.011	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.50		0.0035	0.010	0.050	ug/L
5103-74-2	gamma-Chlordane	0.50		0.0039	0.010	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.17	0.50	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.9		30 - 135		105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.7		44 - 124		99%	SPK: 20

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169225BS	SDG No.:	Q2814
Lab Sample ID:	PB169225BS	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :	1.0	Final Vol:	10000
PH :		Test:	Pesticide-TCL
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL096823.D	1	08/12/25 10:20	08/15/25 16:21	PB169225

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\PL081625\
 Data File : PL096823.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 16:21
 Operator : AR\AJ
 Sample : PB169225BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB169225BS

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 18 05:55:14 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	60775217	94199127	19.107	19.716
28)	SA Decachlor...	9.003	7.987	48814775	90894687	20.470m	20.952
Target Compounds							
2)	A alpha-BHC	3.976	3.330	231.9E6	354.3E6	50.129m	50.066
3)	MA gamma-BHC...	4.303	3.662	219.1E6	330.6E6	49.539m	50.059
4)	MA Heptachlor	4.896	4.011	219.5E6	326.3E6	52.820	48.974
5)	MB Aldrin	5.235	4.293	212.1E6	307.8E6	49.311	49.594
6)	B beta-BHC	4.490	3.958	90346488	140.1E6	50.054m	49.652
7)	B delta-BHC	4.737	4.191	200.6E6	323.8E6	50.286	50.023
8)	B Heptachlo...	5.655	4.795	194.9E6	279.8E6	50.536	48.985
9)	A Endosulfan I	6.036	5.166	176.2E6	263.2E6	48.990	47.574
10)	B gamma-Chl...	5.908	5.047	191.4E6	291.6E6	50.305	49.595
11)	B alpha-Chl...	5.989	5.111	192.7E6	287.4E6	49.982	48.722
12)	B 4,4'-DDE	6.159	5.299	157.6E6	272.8E6	49.062	49.477
13)	MA Dieldrin	6.307	5.430	183.1E6	290.5E6	49.329m	49.185
14)	MA Endrin	6.534	5.705	153.6E6	261.5E6	50.761m	48.378
15)	B Endosulfa...	6.748	5.996	162.5E6	250.1E6	50.742	48.697
16)	A 4,4'-DDD	6.667	5.852	127.2E6	232.6E6	50.315	49.441
17)	MA 4,4'-DDT	6.982	6.104	142.3E6	245.6E6	49.616	48.551
18)	B Endrin al...	6.876	6.174	114.1E6	199.7E6	53.165	54.945
19)	B Endosulfa...	7.109	6.398	138.2E6	246.6E6	48.092m	48.484
20)	A Methoxychlor	7.454	6.676	71535659	132.8E6	48.718	48.452
21)	B Endrin ke...	7.589	6.902	147.3E6	288.7E6	48.986	51.834
22)	Mirex	8.067	7.092	119.6E6	213.1E6	48.231m	48.857

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096823.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 16:21
Operator : AR\AJ
Sample : PB169225BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB169225BS

Manual Integrations

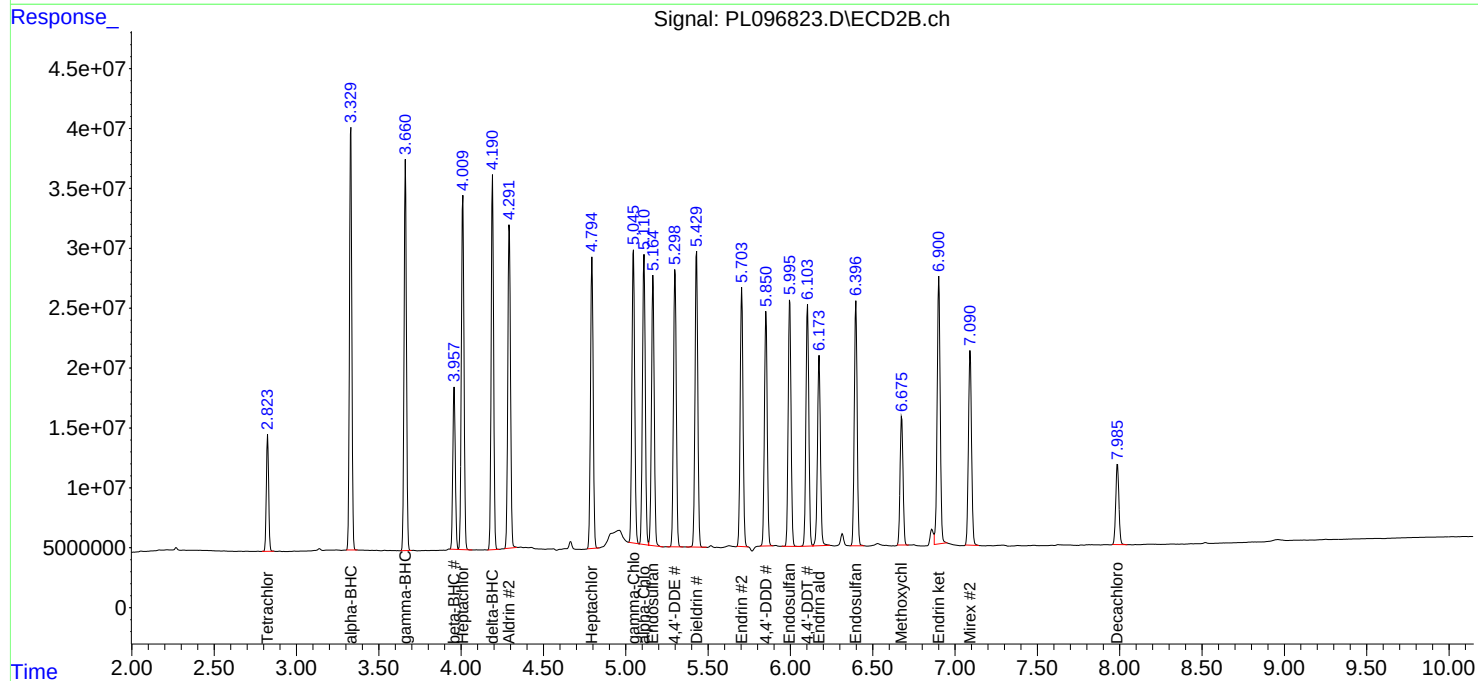
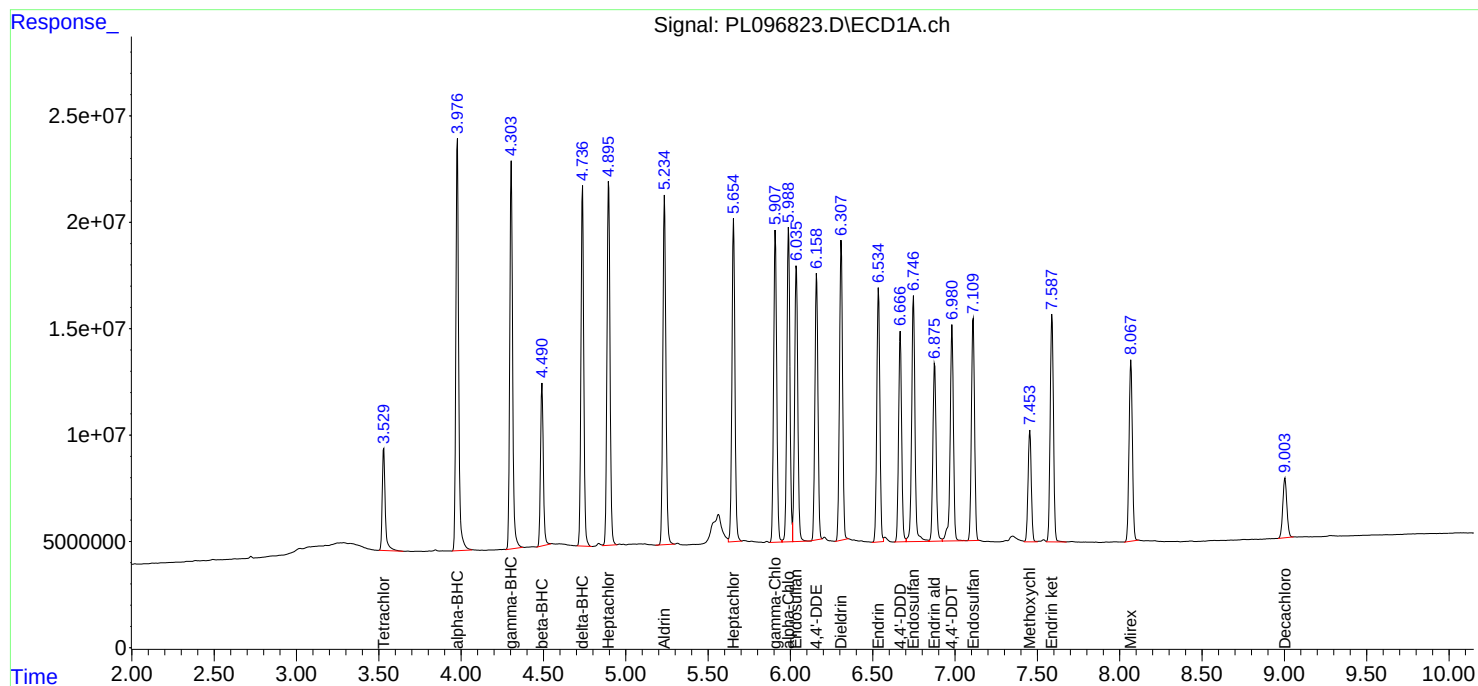
APPROVED

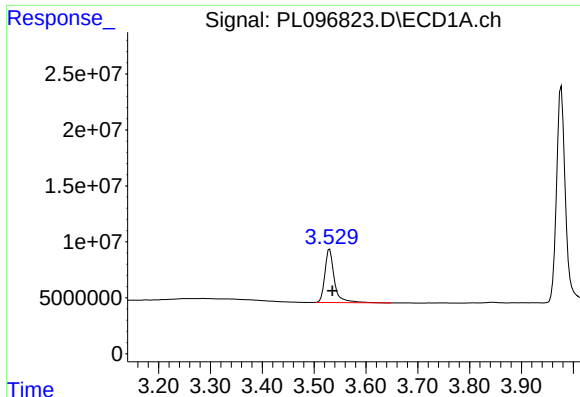
Reviewed By :Abdul Mirza 08/20/2025

Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:55:14 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





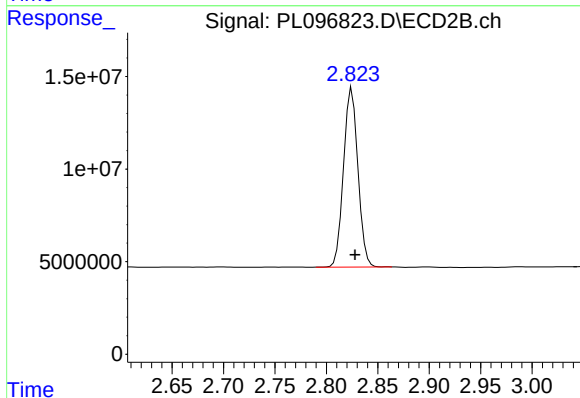
#1 Tetrachloro-m-xylene

R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 60775217
Conc: 19.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS

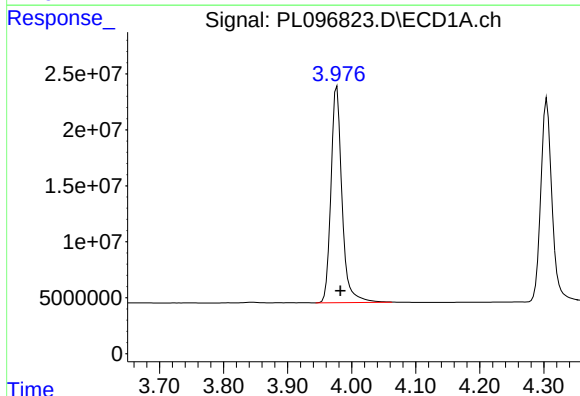
Manual Integrations
APPROVED

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



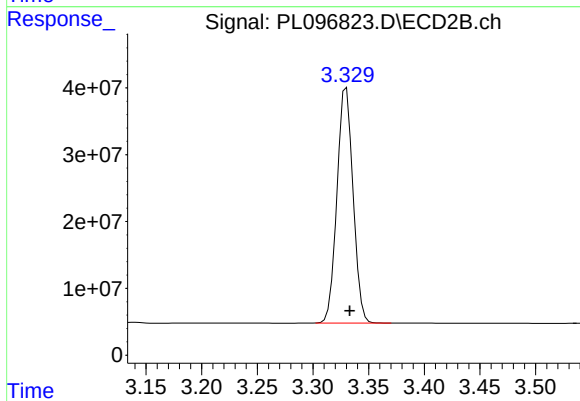
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 94199127
Conc: 19.72 ng/ml



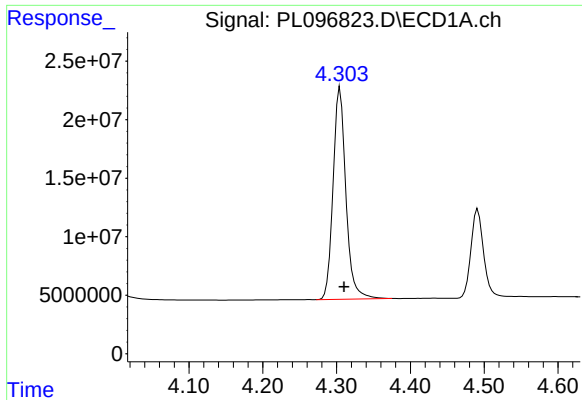
#2 alpha-BHC

R.T.: 3.976 min
Delta R.T.: -0.007 min
Response: 231916800
Conc: 50.13 ng/ml m



#2 alpha-BHC

R.T.: 3.330 min
Delta R.T.: -0.003 min
Response: 354317224
Conc: 50.07 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.303 min
Delta R.T.: -0.007 min
Response: 219130977
Conc: 49.54 ng/ml

Instrument :

ECD_L

ClientSampleId :

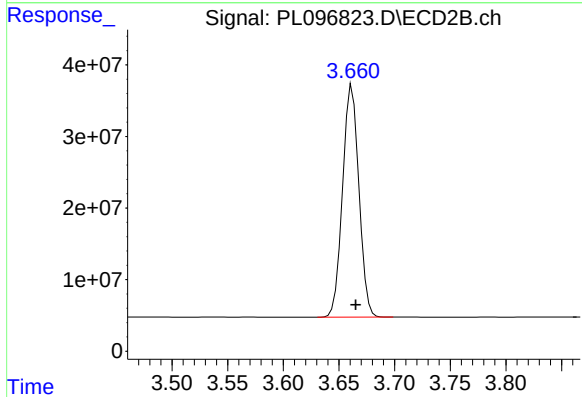
PB169225BS

Manual Integrations

APPROVED

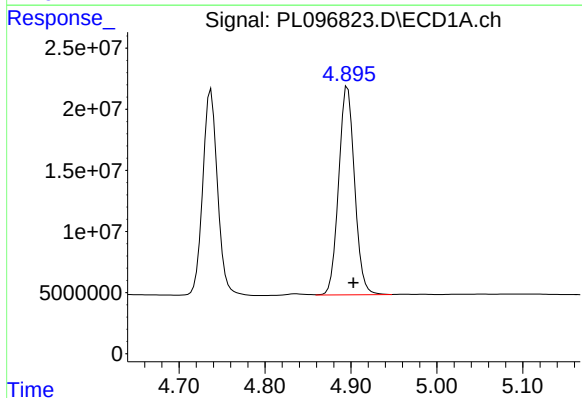
Reviewed By :Abdul Mirza 08/20/2025

Supervised By :mohammad ahmed 08/21/2025



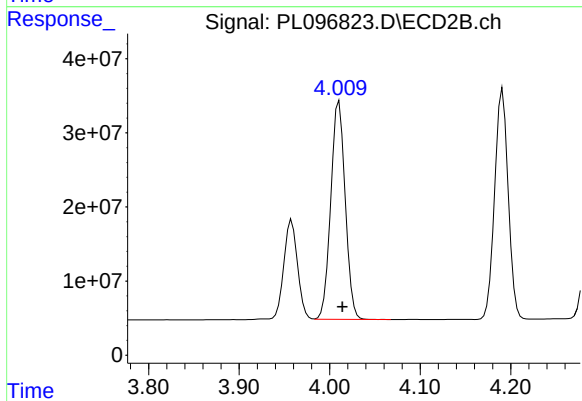
#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: -0.003 min
Response: 330559345
Conc: 50.06 ng/ml



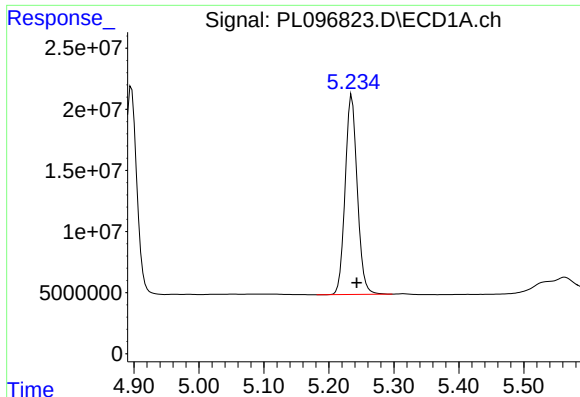
#4 Heptachlor

R.T.: 4.896 min
Delta R.T.: -0.007 min
Response: 219501777
Conc: 52.82 ng/ml



#4 Heptachlor

R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 326259099
Conc: 48.97 ng/ml



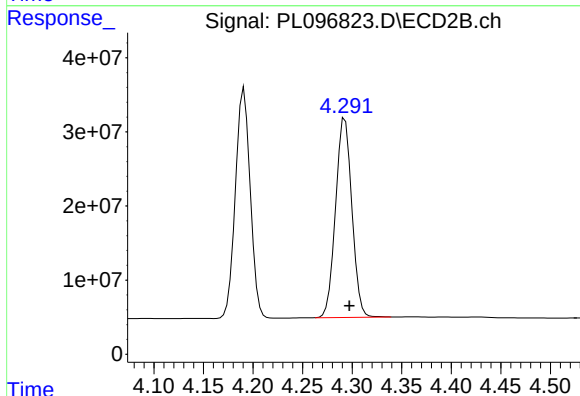
#5 Aldrin

R.T.: 5.235 min
Delta R.T.: -0.008 min
Response: 212087085
Conc: 49.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS

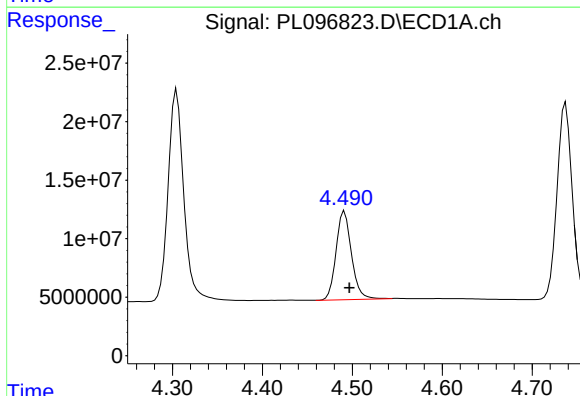
Manual Integrations
APPROVED

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



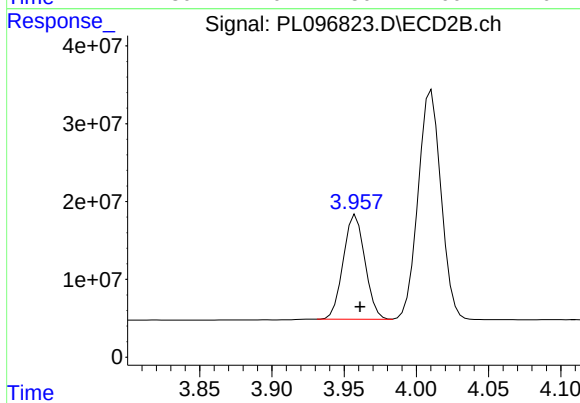
#5 Aldrin

R.T.: 4.293 min
Delta R.T.: -0.004 min
Response: 307833389
Conc: 49.59 ng/ml



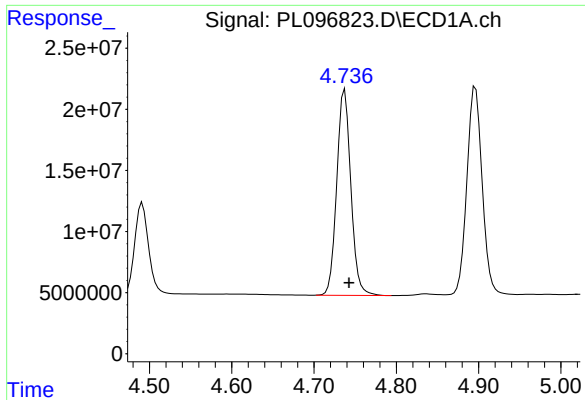
#6 beta-BHC

R.T.: 4.490 min
Delta R.T.: -0.007 min
Response: 90346488
Conc: 50.05 ng/ml m



#6 beta-BHC

R.T.: 3.958 min
Delta R.T.: -0.003 min
Response: 140064434
Conc: 49.65 ng/ml



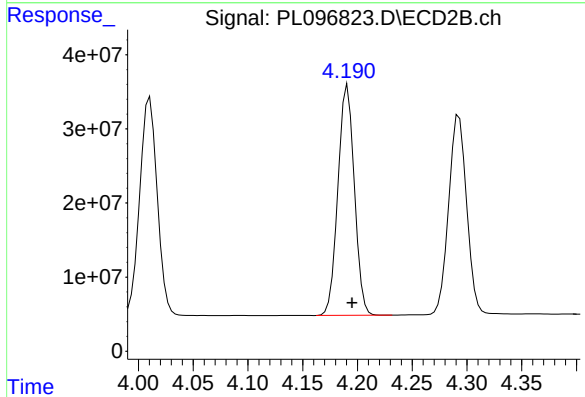
#7 delta-BHC

R.T.: 4.737 min
Delta R.T.: -0.005 min
Response: 200634572
Conc: 50.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS

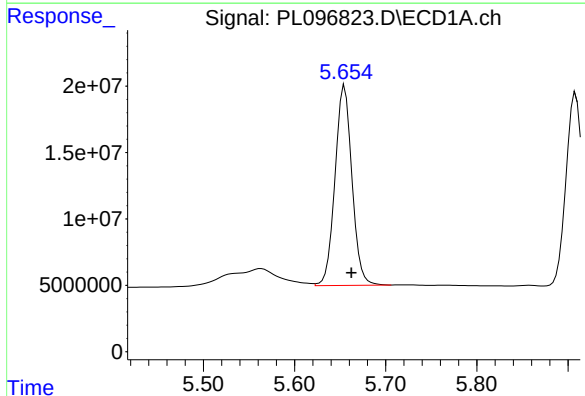
Manual Integrations
APPROVED

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



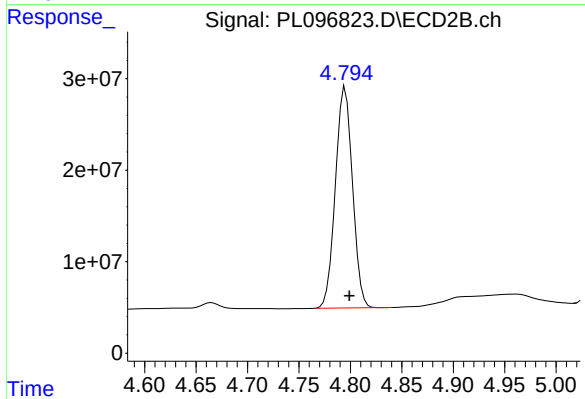
#7 delta-BHC

R.T.: 4.191 min
Delta R.T.: -0.004 min
Response: 323827369
Conc: 50.02 ng/ml



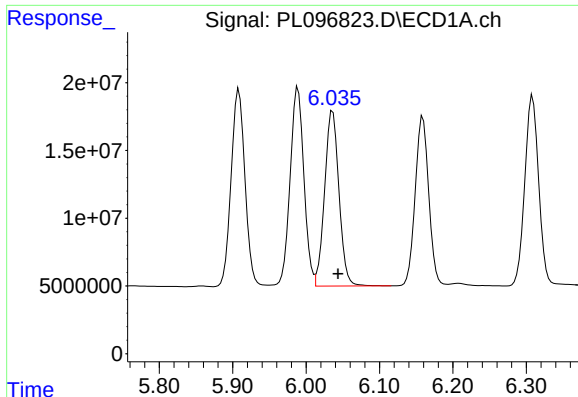
#8 Heptachlor epoxide

R.T.: 5.655 min
Delta R.T.: -0.007 min
Response: 194893536
Conc: 50.54 ng/ml



#8 Heptachlor epoxide

R.T.: 4.795 min
Delta R.T.: -0.004 min
Response: 279768553
Conc: 48.98 ng/ml



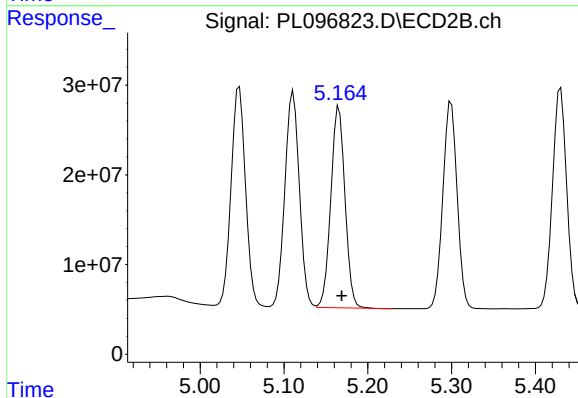
#9 Endosulfan I

R.T.: 6.036 min
Delta R.T.: -0.007 min
Response: 176186217
Conc: 48.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS

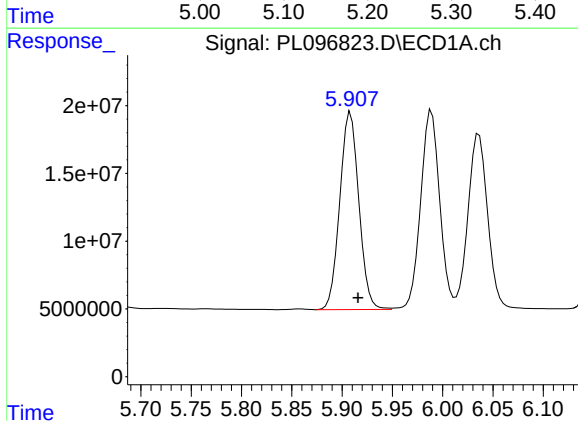
Manual Integrations
APPROVED

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



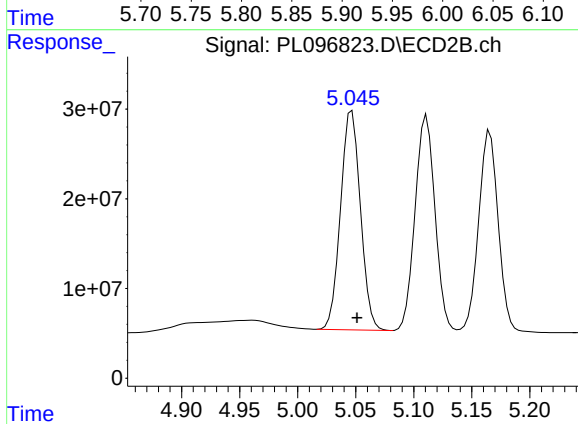
#9 Endosulfan I

R.T.: 5.166 min
Delta R.T.: -0.003 min
Response: 263153744
Conc: 47.57 ng/ml



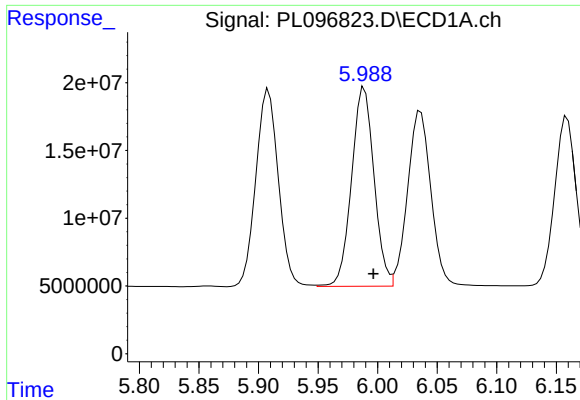
#10 gamma-Chlordane

R.T.: 5.908 min
Delta R.T.: -0.007 min
Response: 191421188
Conc: 50.30 ng/ml



#10 gamma-Chlordane

R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 291623122
Conc: 49.59 ng/ml



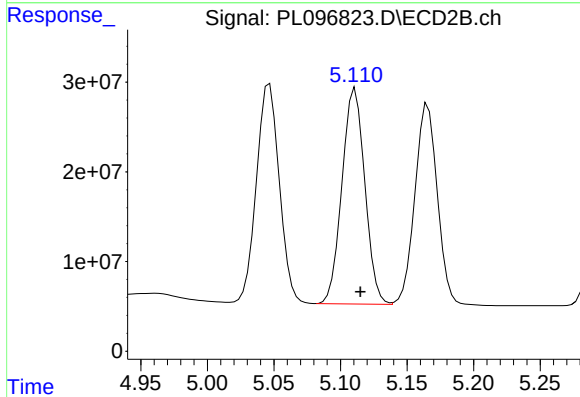
#11 alpha-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.008 min
Response: 192662406
Conc: 49.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS

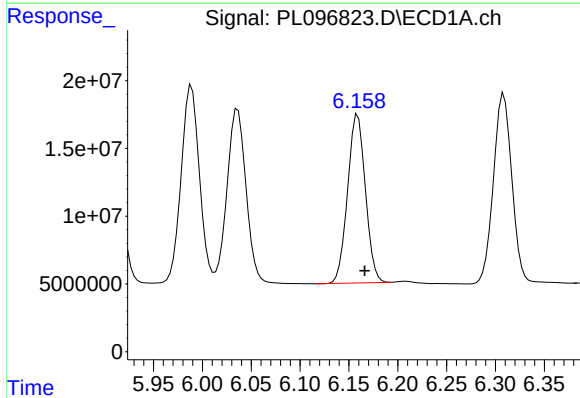
Manual Integrations
APPROVED

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



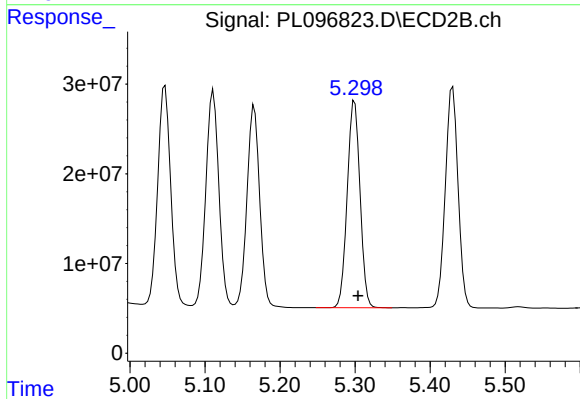
#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 287404609
Conc: 48.72 ng/ml



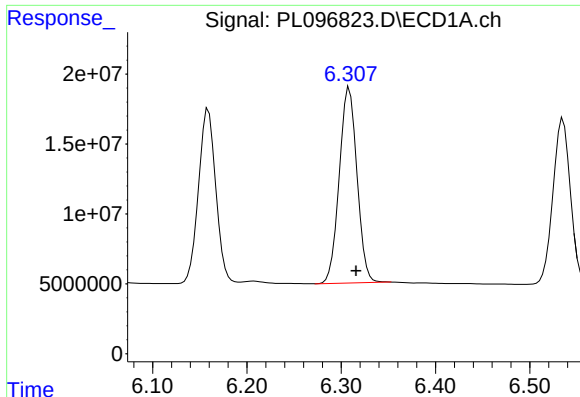
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 157550711
Conc: 49.06 ng/ml



#12 4,4'-DDE

R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 272836065
Conc: 49.48 ng/ml



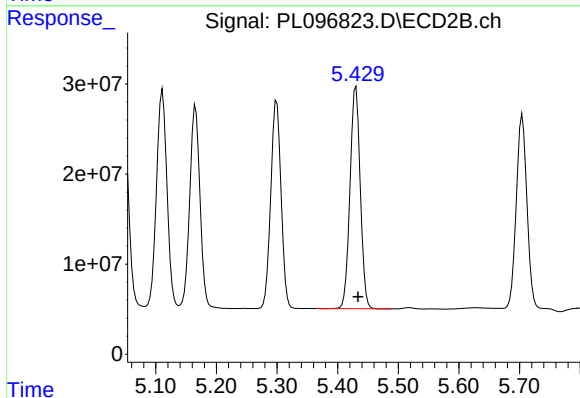
#13 Dieldrin

R.T.: 6.307 min
Delta R.T.: -0.009 min
Response: 183068866
Conc: 49.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS

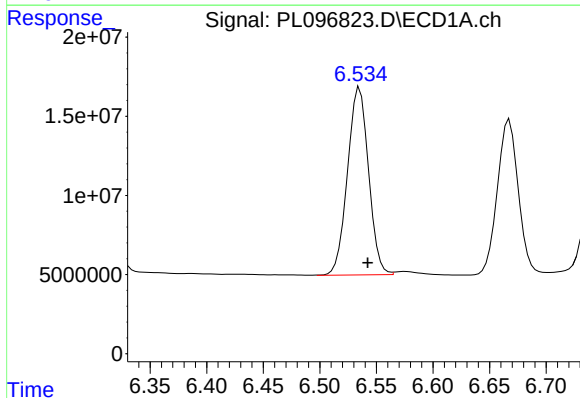
Manual Integrations
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Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



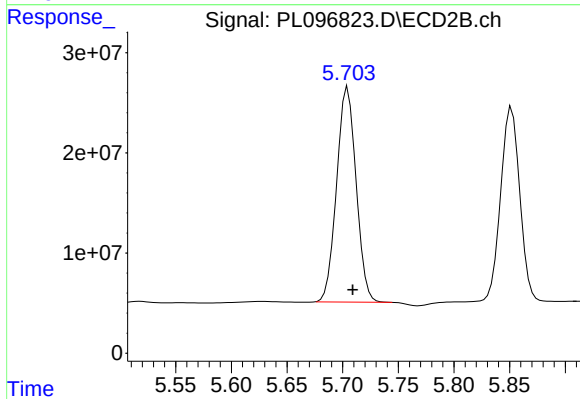
#13 Dieldrin

R.T.: 5.430 min
Delta R.T.: -0.004 min
Response: 290510751
Conc: 49.18 ng/ml



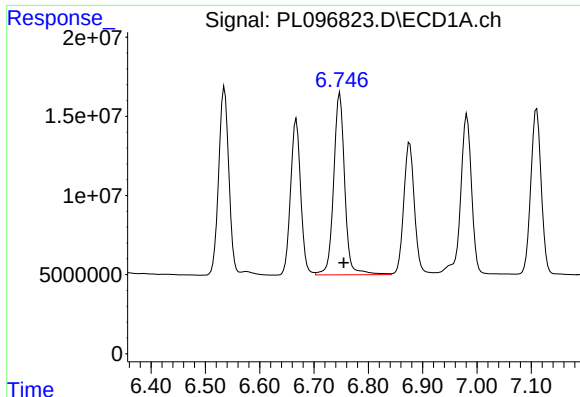
#14 Endrin

R.T.: 6.534 min
Delta R.T.: -0.009 min
Response: 153643102
Conc: 50.76 ng/ml m



#14 Endrin

R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 261530591
Conc: 48.38 ng/ml



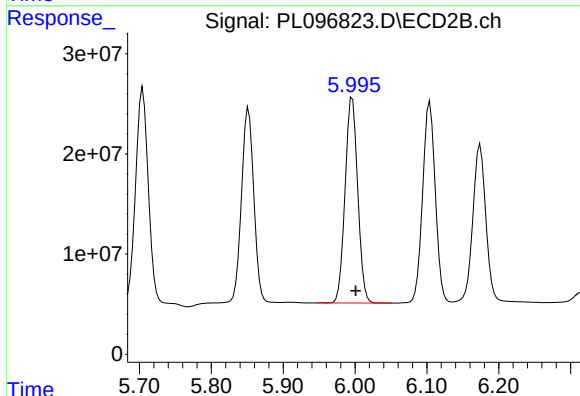
#15 Endosulfan II

R.T.: 6.748 min
Delta R.T.: -0.007 min
Response: 162507755
Conc: 50.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS

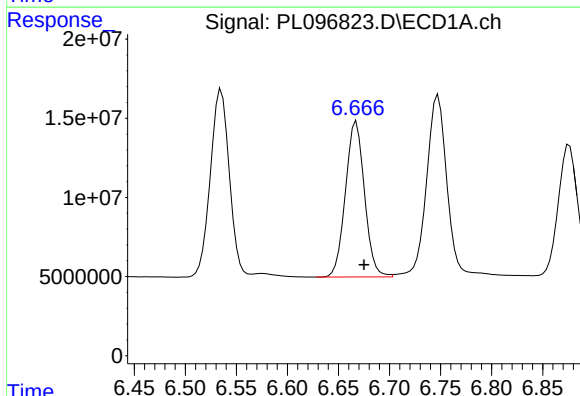
Manual Integrations
APPROVED

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



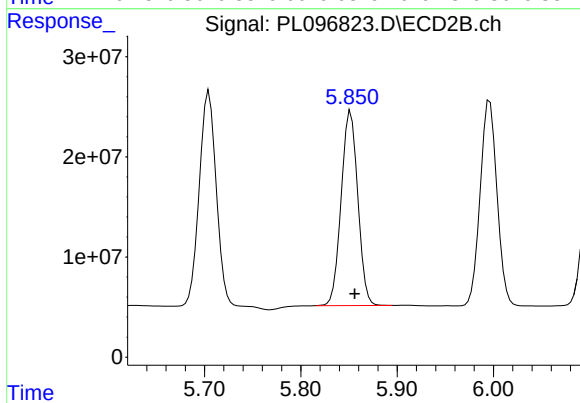
#15 Endosulfan II

R.T.: 5.996 min
Delta R.T.: -0.005 min
Response: 250120283
Conc: 48.70 ng/ml



#16 4,4'-DDD

R.T.: 6.667 min
Delta R.T.: -0.008 min
Response: 127213853
Conc: 50.31 ng/ml

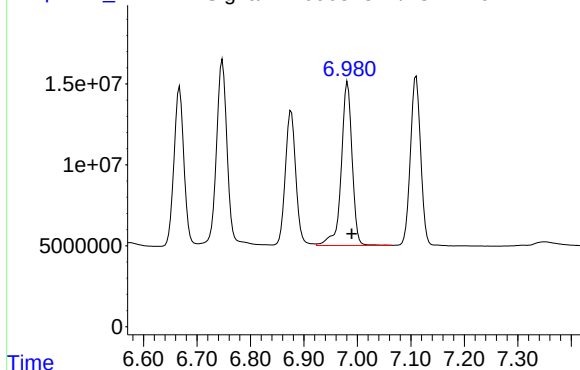


#16 4,4'-DDD

R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 232633507
Conc: 49.44 ng/ml

Response_ Signal: PL096823.D\ECD1A.ch

#17 4,4'-DDT



R.T.: 6.982 min
Delta R.T.: -0.007 min
Response: 142282054
Conc: 49.62 ng/ml

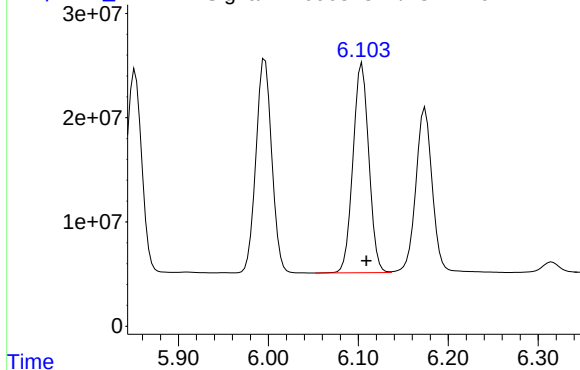
Instrument :
ECD_L
ClientSampleId :
PB169225BS

**Manual Integrations
APPROVED**

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

Response_ Signal: PL096823.D\ECD2B.ch

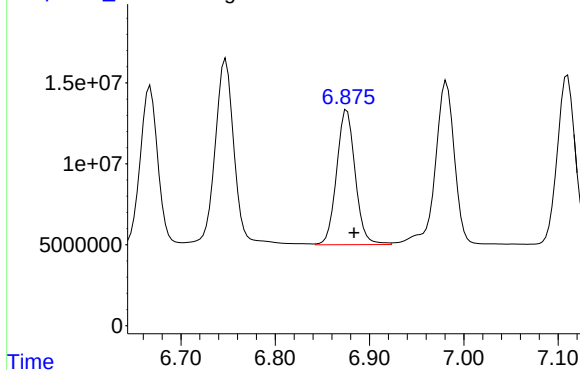
#17 4,4'-DDT



R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 245583576
Conc: 48.55 ng/ml

Response_ Signal: PL096823.D\ECD1A.ch

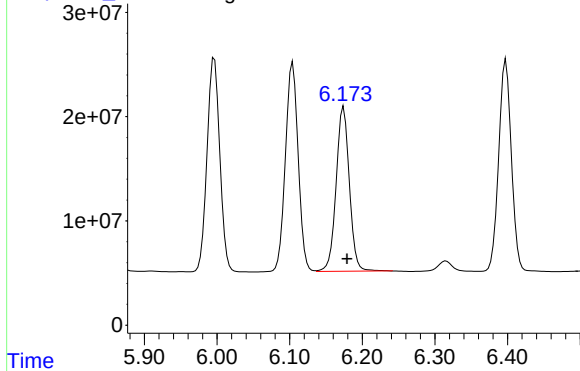
#18 Endrin aldehyde



R.T.: 6.876 min
Delta R.T.: -0.008 min
Response: 114087942
Conc: 53.17 ng/ml

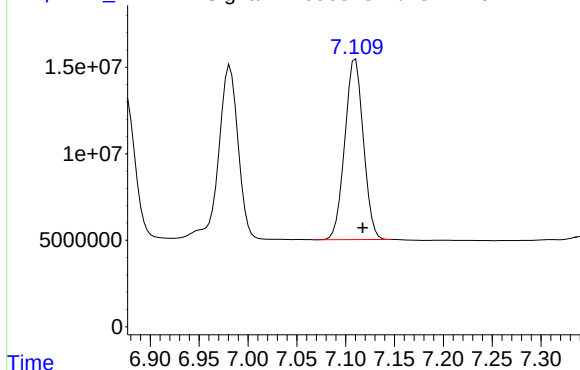
Response_ Signal: PL096823.D\ECD2B.ch

#18 Endrin aldehyde



R.T.: 6.174 min
Delta R.T.: -0.005 min
Response: 199729538
Conc: 54.95 ng/ml

Response_ Signal: PL096823.D\ECD1A.ch



#19 Endosulfan Sulfate

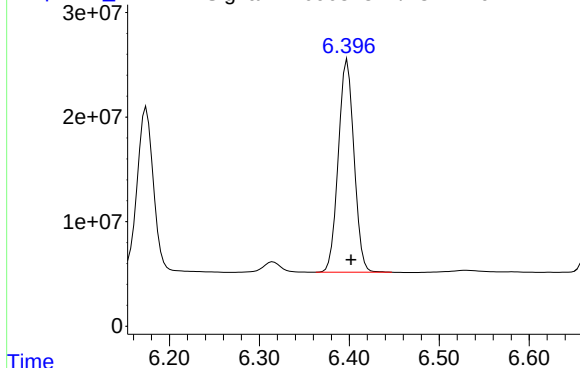
R.T.: 7.109 min
Delta R.T.: -0.009 min
Response: 138200880
Conc: 48.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS

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

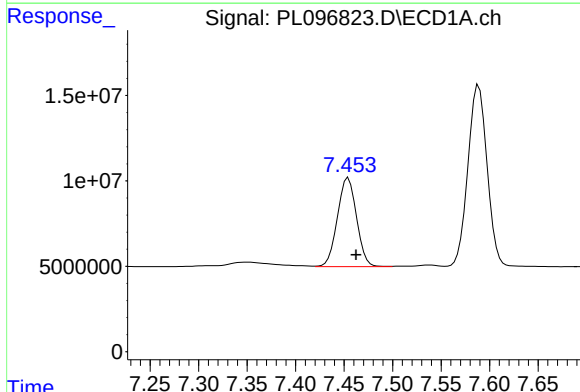
Response_ Signal: PL096823.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 246600399
Conc: 48.48 ng/ml

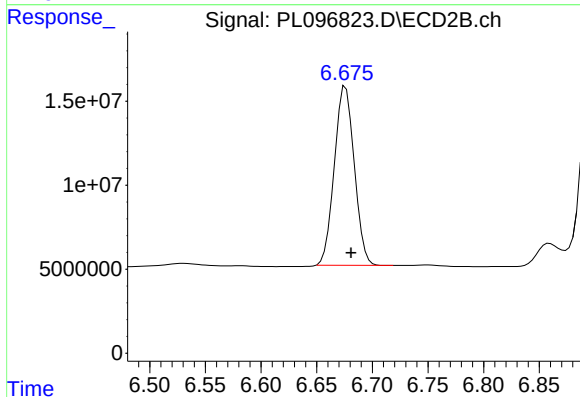
Response_ Signal: PL096823.D\ECD1A.ch



#20 Methoxychlor

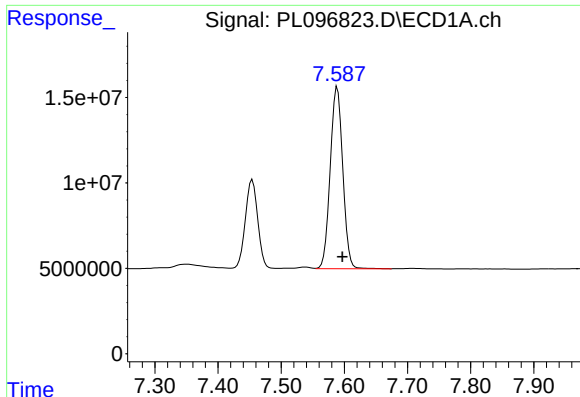
R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 71535659
Conc: 48.72 ng/ml

Response_ Signal: PL096823.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.676 min
Delta R.T.: -0.005 min
Response: 132781179
Conc: 48.45 ng/ml



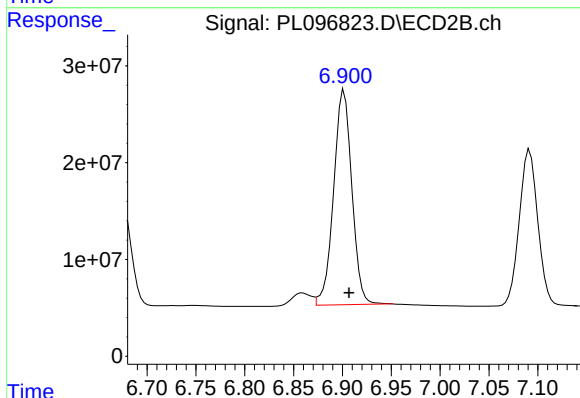
#21 Endrin ketone

R.T.: 7.589 min
Delta R.T.: -0.008 min
Response: 147288355
Conc: 48.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS

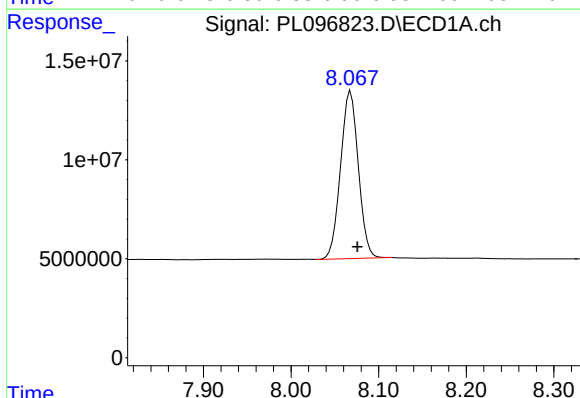
Manual Integrations
APPROVED

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



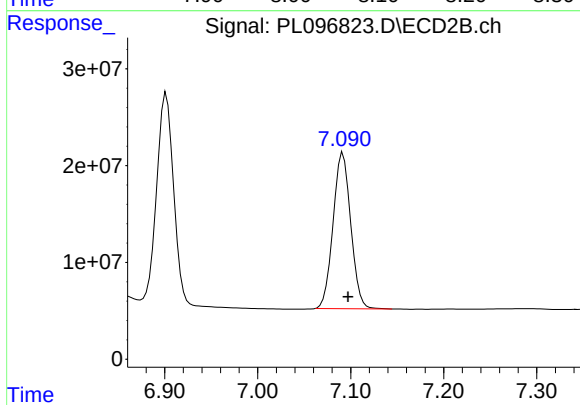
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 288700248
Conc: 51.83 ng/ml



#22 Mirex

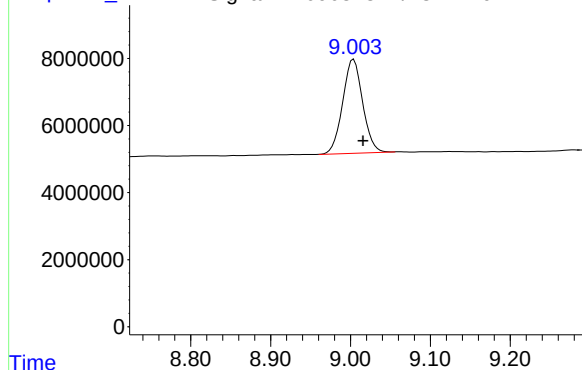
R.T.: 8.067 min
Delta R.T.: -0.009 min
Response: 119581307
Conc: 48.23 ng/ml m



#22 Mirex

R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 213057480
Conc: 48.86 ng/ml

Response_ Signal: PL096823.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.003 min
Delta R.T.: -0.013 min
Response: 48814775
Conc: 20.47 ng/ml

Instrument :

ECD_L

ClientSampleId :

PB169225BS

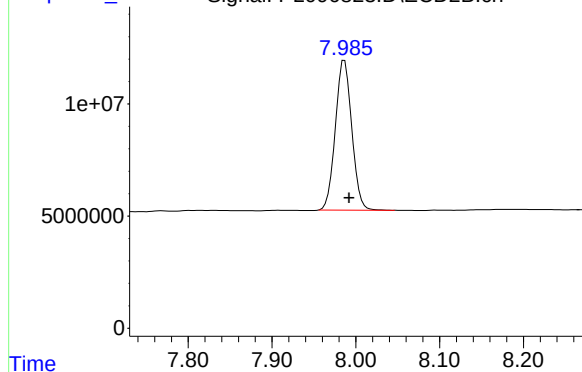
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 08/20/2025

Supervised By :mohammad ahmed 08/21/2025

Time Response_ Signal: PL096823.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.006 min
Response: 90894687
Conc: 20.95 ng/ml

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169225BSD	SDG No.:	Q2814
Lab Sample ID:	PB169225BSD	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
PL096824.D	1	08/12/25 10:20	08/15/25 16:34	PB169225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.48		0.0039	0.010	0.050	ug/L
319-85-7	beta-BHC	0.49		0.0049	0.010	0.050	ug/L
319-86-8	delta-BHC	0.49		0.011	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.48		0.0037	0.010	0.050	ug/L
76-44-8	Heptachlor	0.52		0.0027	0.010	0.050	ug/L
309-00-2	Aldrin	0.48		0.0036	0.010	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.49		0.0096	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.48		0.0031	0.010	0.050	ug/L
60-57-1	Dieldrin	0.49		0.0036	0.010	0.050	ug/L
72-55-9	4,4-DDE	0.50		0.0037	0.010	0.050	ug/L
72-20-8	Endrin	0.49		0.0032	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.51		0.0079	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.49		0.0071	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.48		0.0037	0.010	0.050	ug/L
50-29-3	4,4-DDT	0.48		0.0035	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.47		0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.49		0.0093	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.54		0.011	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.49		0.0035	0.010	0.050	ug/L
5103-74-2	gamma-Chlordane	0.49		0.0039	0.010	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.17	0.50	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.8		30 - 135		104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		44 - 124		96%	SPK: 20

Report of Analysis

Client:	First Environment, Inc.		Date Collected:		
Project:	USACE018-44 DOD		Date Received:		
Client Sample ID:	PB169225BSD		SDG No.:	Q2814	
Lab Sample ID:	PB169225BSD		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
PL096824.D	1	08/12/25 10:20	08/15/25 16:34	PB169225

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\PL081625\
 Data File : PL096824.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 16:34
 Operator : AR\AJ
 Sample : PB169225BSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB169225BSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/18/2025
 Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 05:55:24 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	59543401	91996171	18.720	19.255
28)	SA Decachlor...	9.004	7.987	48180370	90356362	20.204m	20.828
Target Compounds							
2)	A alpha-BHC	3.978	3.331	223.2E6	342.8E6	48.236	48.442
3)	MA gamma-BHC...	4.306	3.663	210.3E6	320.0E6	47.536	48.462
4)	MA Heptachlor	4.897	4.011	214.5E6	317.1E6	51.625	47.601
5)	MB Aldrin	5.237	4.294	207.2E6	299.2E6	48.180	48.202
6)	B beta-BHC	4.491	3.959	87600808	135.8E6	48.533m	48.135
7)	B delta-BHC	4.738	4.192	195.2E6	313.4E6	48.931	48.408
8)	B Heptachlo...	5.656	4.796	190.6E6	273.5E6	49.435	47.880
9)	A Endosulfan I	6.037	5.167	173.6E6	255.4E6	48.277	46.174
10)	B gamma-Chl...	5.910	5.048	186.9E6	283.8E6	49.128	48.272
11)	B alpha-Chl...	5.990	5.112	188.2E6	280.2E6	48.827	47.494
12)	B 4,4'-DDE	6.160	5.300	159.5E6	265.9E6	49.682	48.218
13)	MA Dieldrin	6.310	5.431	180.2E6	284.1E6	48.545	48.096
14)	MA Endrin	6.534	5.705	148.9E6	253.1E6	49.189m	46.827
15)	B Endosulfa...	6.749	5.997	162.8E6	245.2E6	50.827	47.742
16)	A 4,4'-DDD	6.669	5.853	124.7E6	227.7E6	49.301	48.390
17)	MA 4,4'-DDT	6.983	6.105	138.2E6	238.1E6	48.196	47.076
18)	B Endrin al...	6.878	6.175	112.1E6	196.6E6	52.223	54.094
19)	B Endosulfa...	7.110	6.398	136.6E6	241.4E6	47.520m	47.452
20)	A Methoxychlor	7.455	6.677	68285598	129.5E6	46.505	47.241
21)	B Endrin ke...	7.590	6.903	143.9E6	273.2E6	47.846	49.057
22)	Mirex	8.067	7.092	118.2E6	210.0E6	47.689m	48.160

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096824.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 16:34
Operator : AR\AJ
Sample : PB169225BSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB169225BSD

Manual Integrations

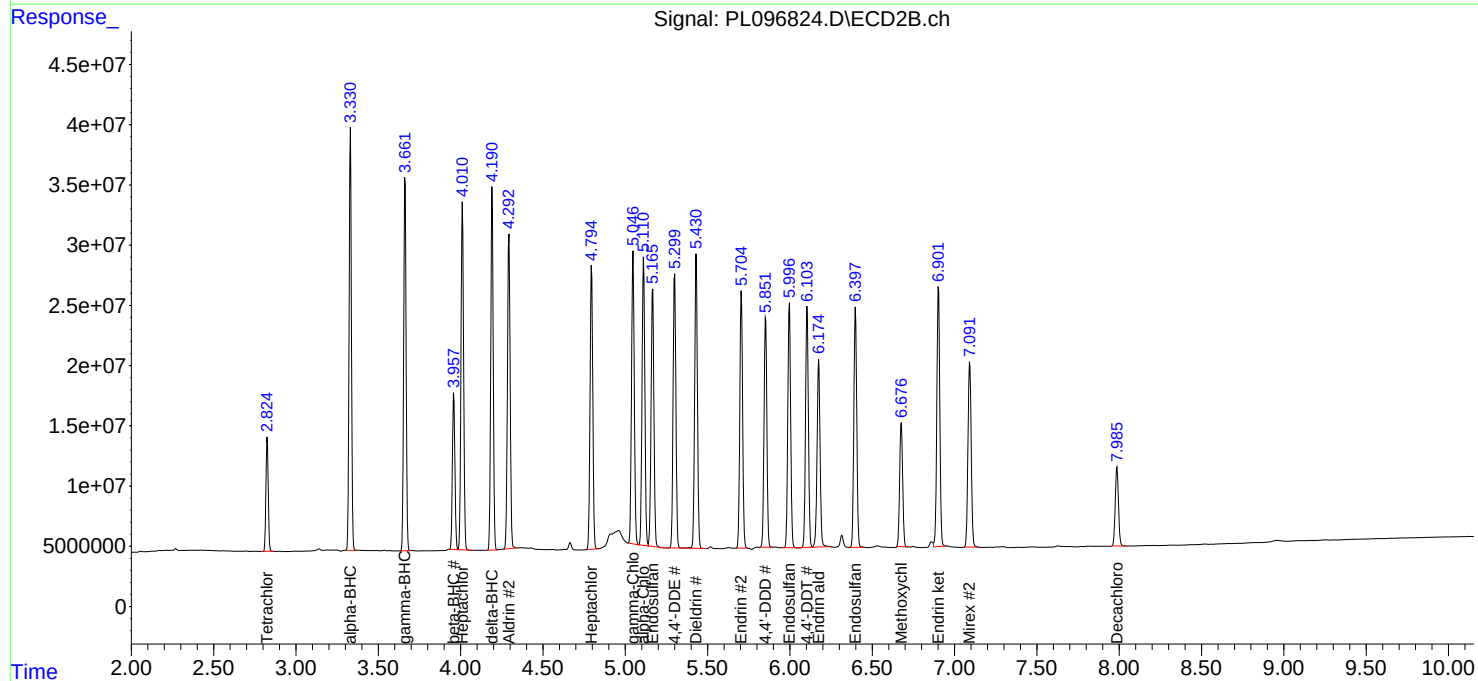
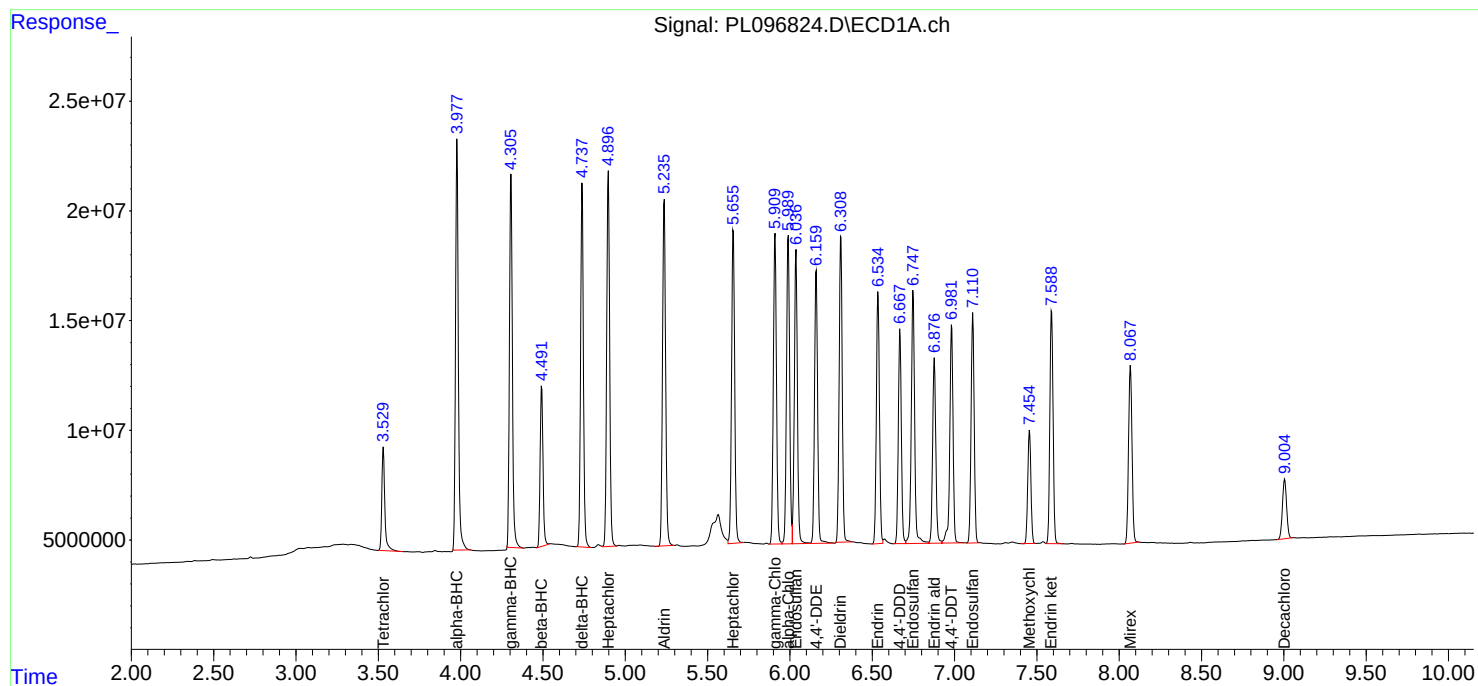
APPROVED

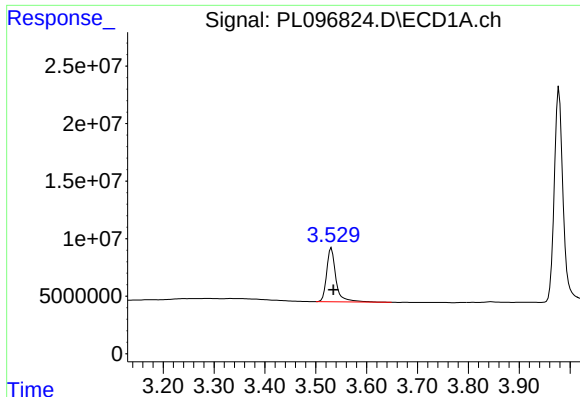
Reviewed By :Abdul Mirza 08/18/2025

Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:55:24 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





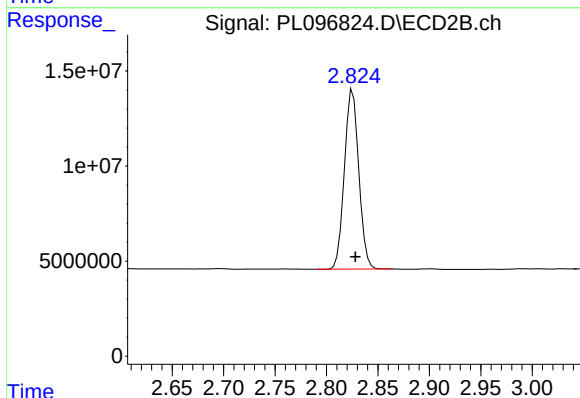
#1 Tetrachloro-m-xylene

R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 59543401
Conc: 18.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD

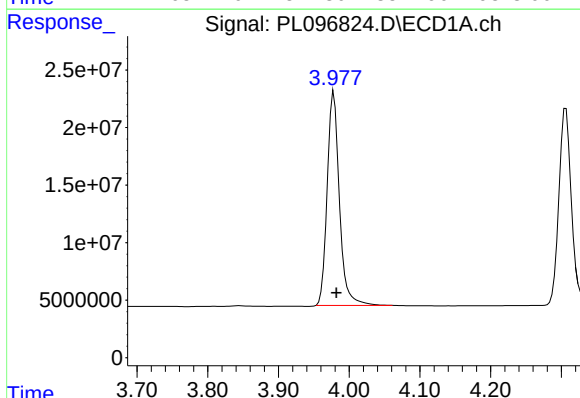
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



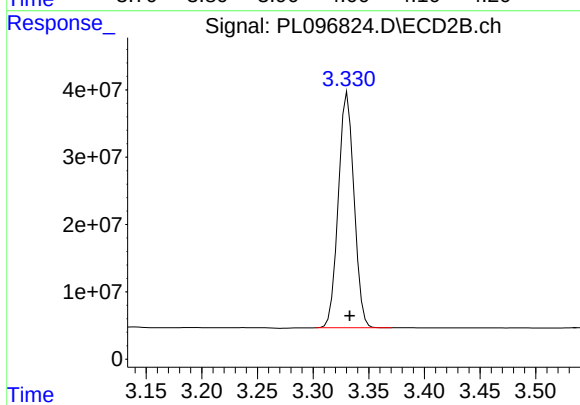
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 91996171
Conc: 19.26 ng/ml



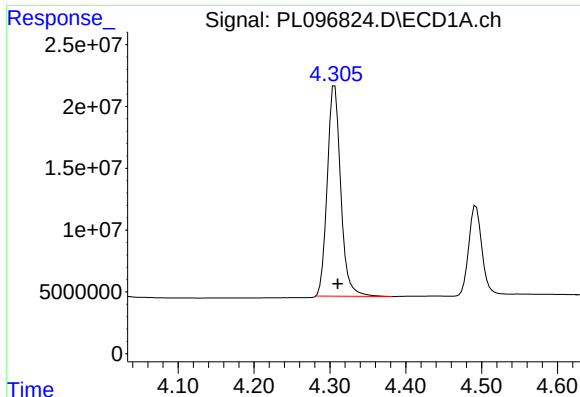
#2 alpha-BHC

R.T.: 3.978 min
Delta R.T.: -0.004 min
Response: 223157039
Conc: 48.24 ng/ml



#2 alpha-BHC

R.T.: 3.331 min
Delta R.T.: -0.002 min
Response: 342828244
Conc: 48.44 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.306 min
Delta R.T.: -0.004 min
Response: 210273174
Conc: 47.54 ng/ml

Instrument :

ECD_L

ClientSampleId :

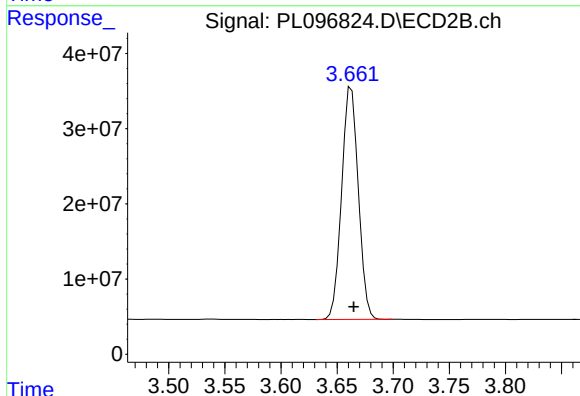
PB169225BSD

Manual Integrations

APPROVED

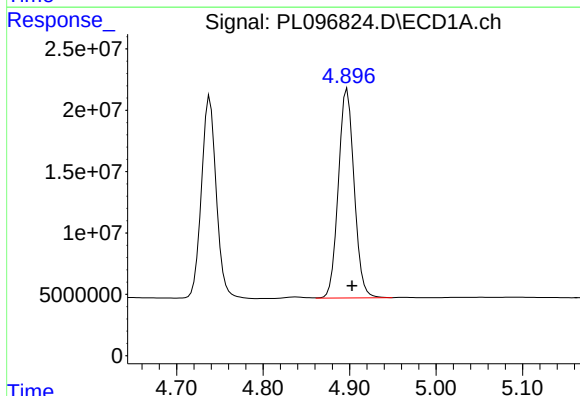
Reviewed By :Abdul Mirza 08/18/2025

Supervised By :mohammad ahmed 08/21/2025



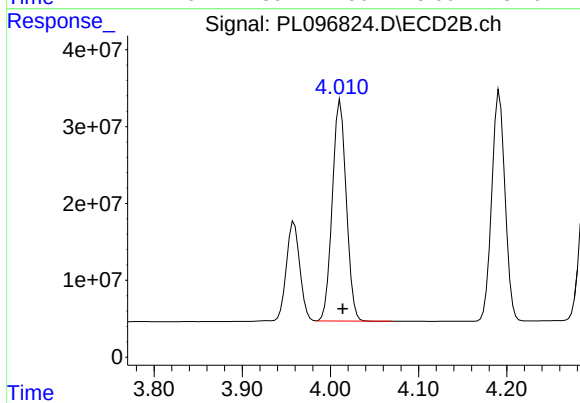
#3 gamma-BHC (Lindane)

R.T.: 3.663 min
Delta R.T.: -0.002 min
Response: 320012087
Conc: 48.46 ng/ml



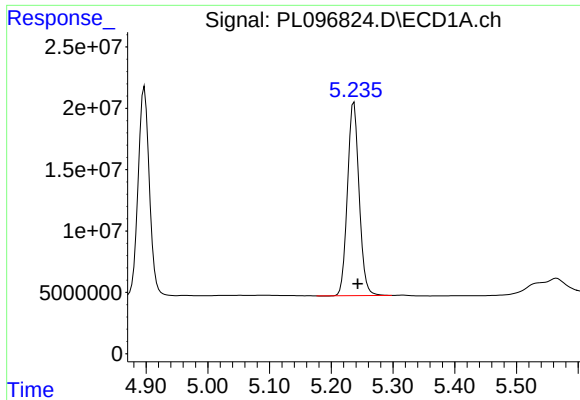
#4 Heptachlor

R.T.: 4.897 min
Delta R.T.: -0.005 min
Response: 214539353
Conc: 51.63 ng/ml



#4 Heptachlor

R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 317116974
Conc: 47.60 ng/ml



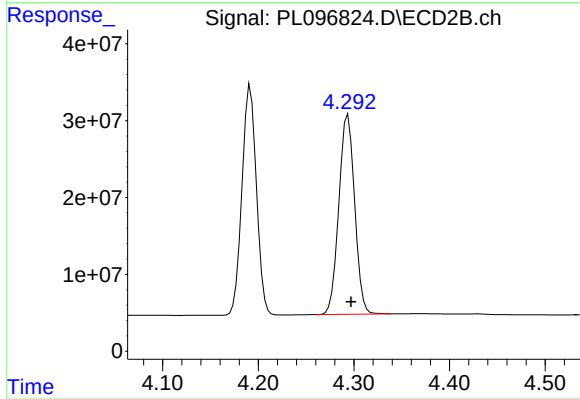
#5 Aldrin

R.T.: 5.237 min
Delta R.T.: -0.006 min
Response: 207221296
Conc: 48.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD

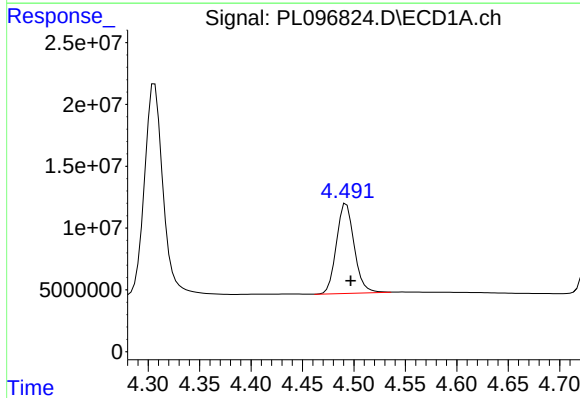
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



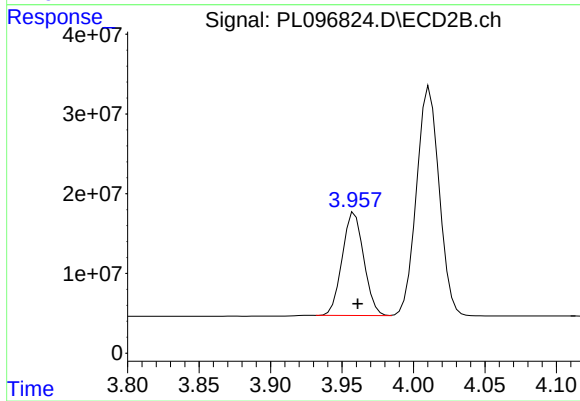
#5 Aldrin

R.T.: 4.294 min
Delta R.T.: -0.003 min
Response: 299191263
Conc: 48.20 ng/ml



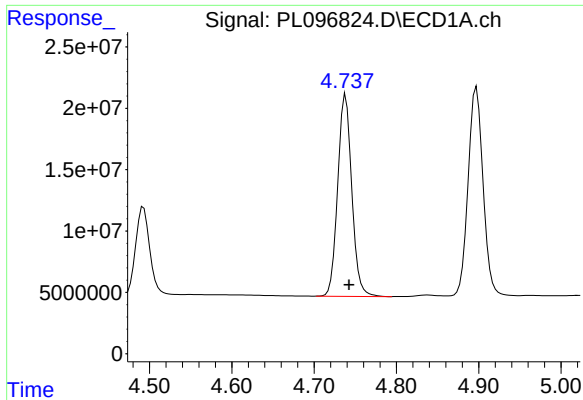
#6 beta-BHC

R.T.: 4.491 min
Delta R.T.: -0.006 min
Response: 87600808
Conc: 48.53 ng/ml m



#6 beta-BHC

R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 135784500
Conc: 48.14 ng/ml



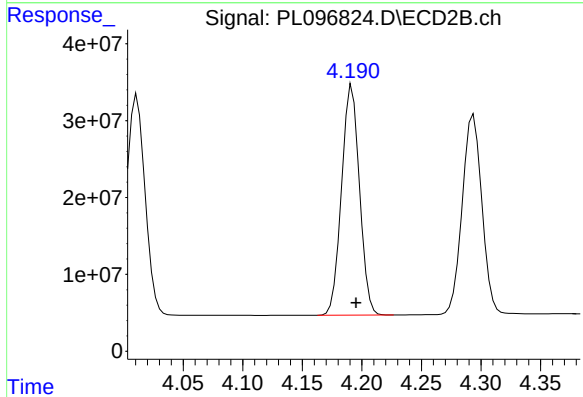
#7 delta-BHC

R.T.: 4.738 min
Delta R.T.: -0.004 min
Response: 195226463
Conc: 48.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD

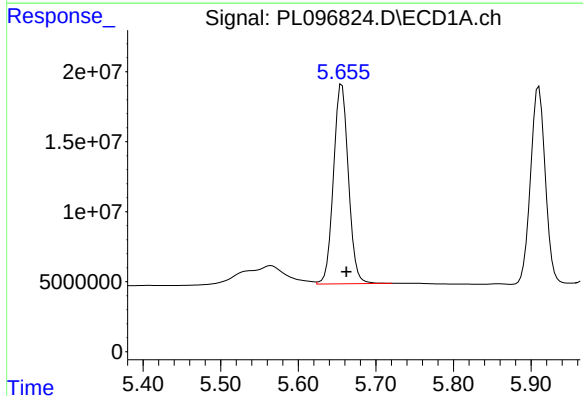
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



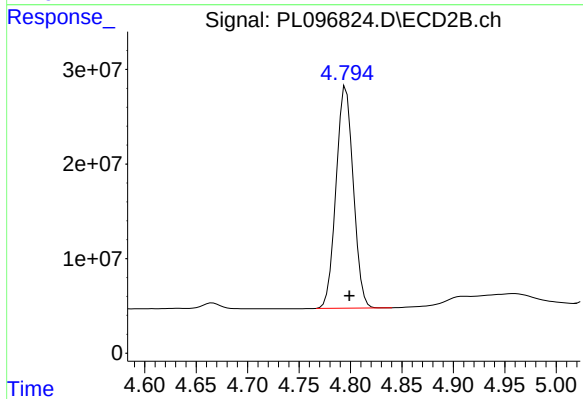
#7 delta-BHC

R.T.: 4.192 min
Delta R.T.: -0.003 min
Response: 313372209
Conc: 48.41 ng/ml



#8 Heptachlor epoxide

R.T.: 5.656 min
Delta R.T.: -0.006 min
Response: 190649519
Conc: 49.44 ng/ml



#8 Heptachlor epoxide

R.T.: 4.796 min
Delta R.T.: -0.003 min
Response: 273458365
Conc: 47.88 ng/ml

Response_ Signal: PL096824.D\ECD1A.ch

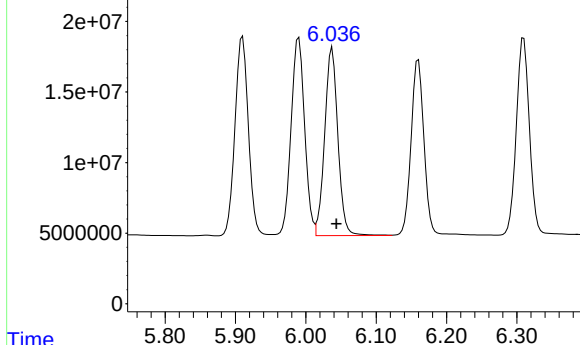
#9 Endosulfan I

R.T.: 6.037 min
Delta R.T.: -0.006 min
Response: 173622932
Conc: 48.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD

Manual Integrations
APPROVED

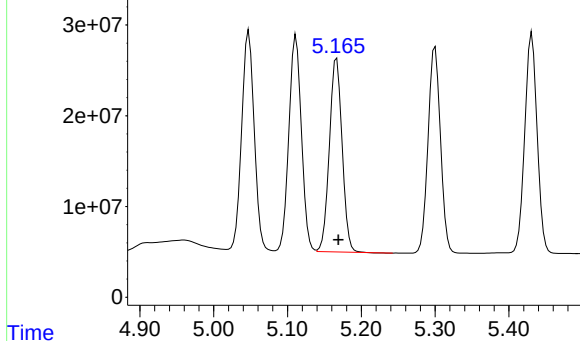
Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



Time Response_ Signal: PL096824.D\ECD2B.ch

#9 Endosulfan I

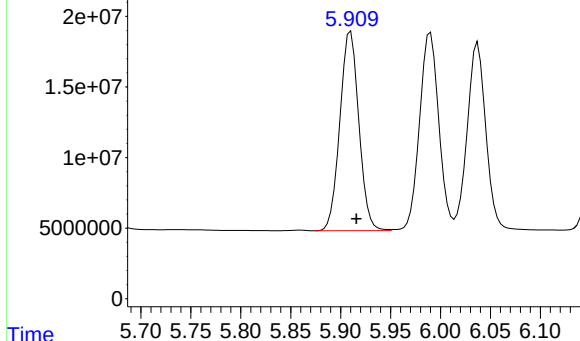
R.T.: 5.167 min
Delta R.T.: -0.002 min
Response: 255405216
Conc: 46.17 ng/ml



Time Response_ Signal: PL096824.D\ECD1A.ch

#10 gamma-Chlordane

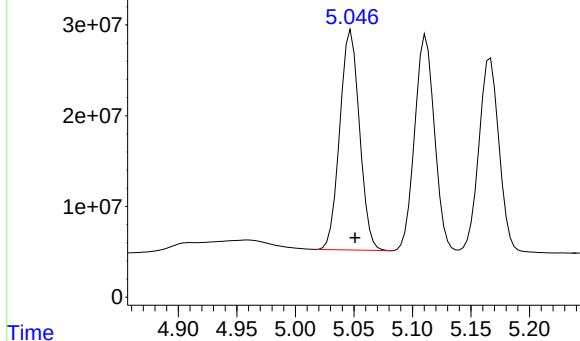
R.T.: 5.910 min
Delta R.T.: -0.006 min
Response: 186943063
Conc: 49.13 ng/ml

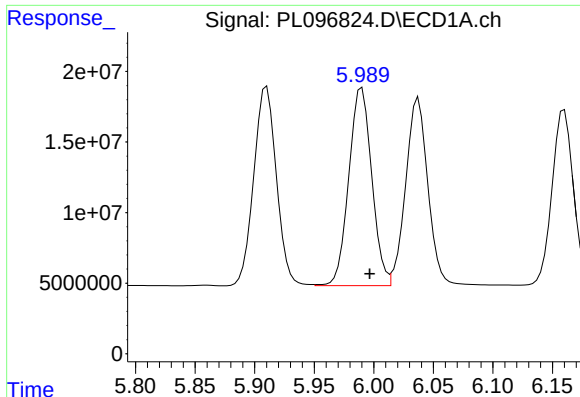


Time Response_ Signal: PL096824.D\ECD2B.ch

#10 gamma-Chlordane

R.T.: 5.048 min
Delta R.T.: -0.003 min
Response: 283843264
Conc: 48.27 ng/ml





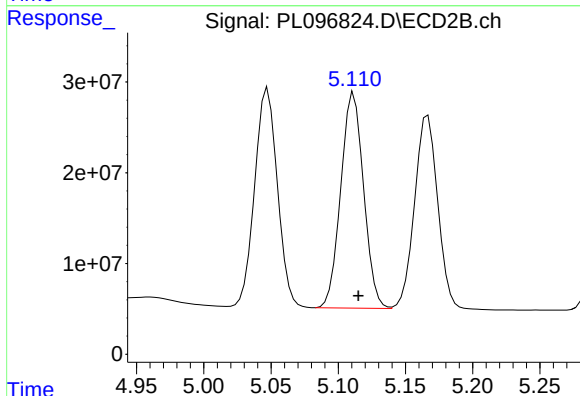
#11 alpha-Chlordane

R.T.: 5.990 min
Delta R.T.: -0.006 min
Response: 188211879
Conc: 48.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD

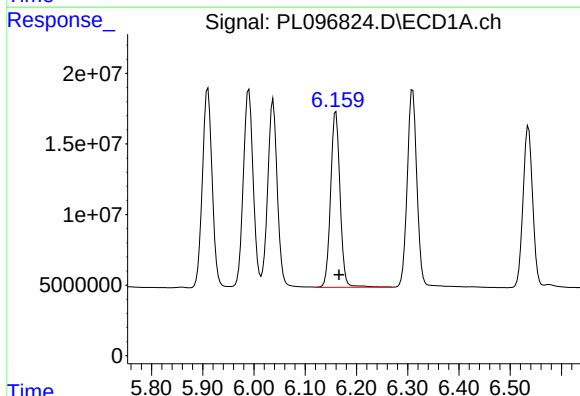
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



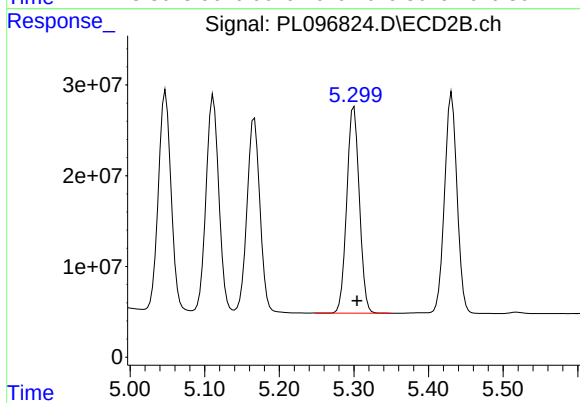
#11 alpha-Chlordane

R.T.: 5.112 min
Delta R.T.: -0.003 min
Response: 280162453
Conc: 47.49 ng/ml



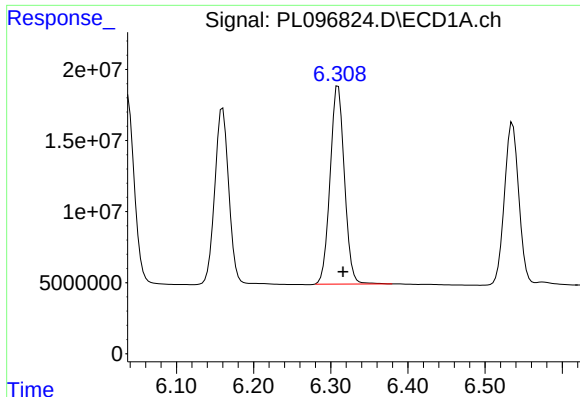
#12 4,4'-DDE

R.T.: 6.160 min
Delta R.T.: -0.006 min
Response: 159539795
Conc: 49.68 ng/ml



#12 4,4'-DDE

R.T.: 5.300 min
Delta R.T.: -0.004 min
Response: 265892329
Conc: 48.22 ng/ml



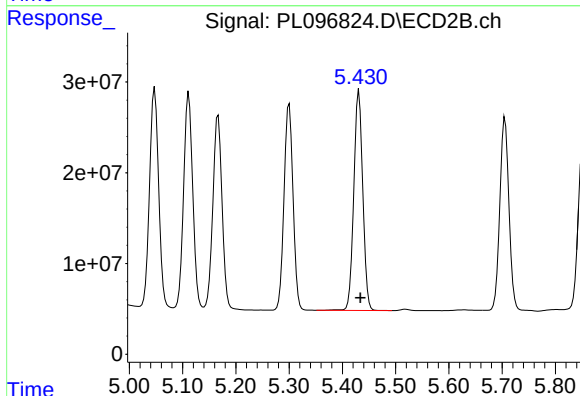
#13 Dieldrin

R.T.: 6.310 min
Delta R.T.: -0.006 min
Response: 180156209
Conc: 48.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD

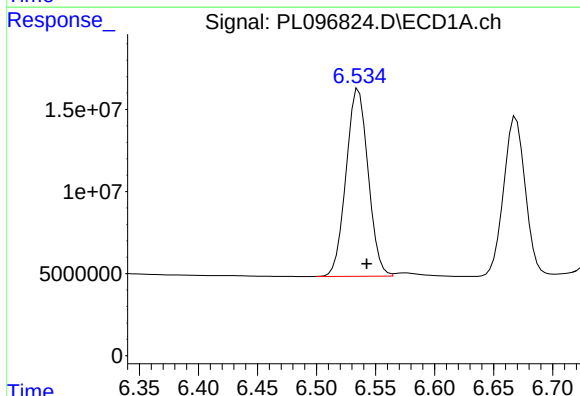
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



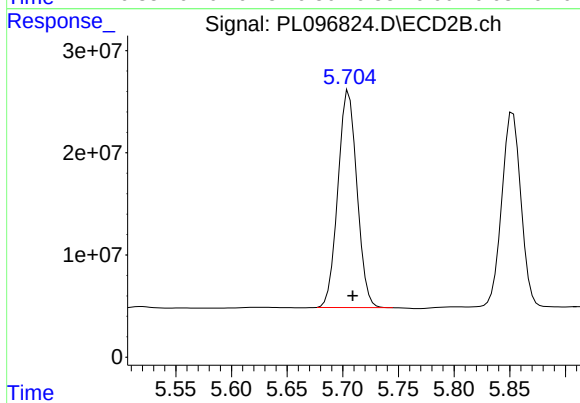
#13 Dieldrin

R.T.: 5.431 min
Delta R.T.: -0.003 min
Response: 284082332
Conc: 48.10 ng/ml



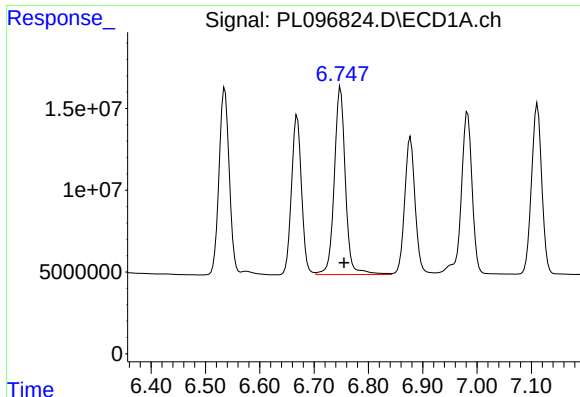
#14 Endrin

R.T.: 6.534 min
Delta R.T.: -0.008 min
Response: 148884541
Conc: 49.19 ng/ml m



#14 Endrin

R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 253142704
Conc: 46.83 ng/ml



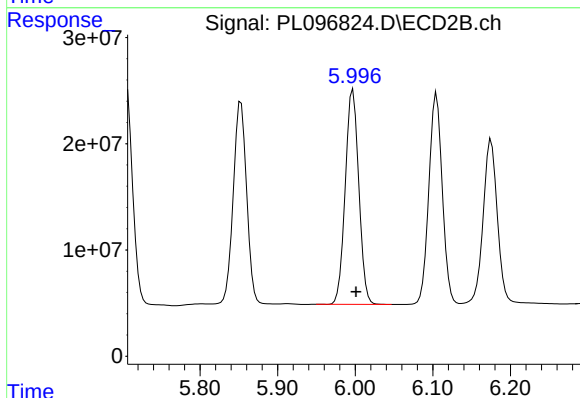
#15 Endosulfan II

R.T.: 6.749 min
Delta R.T.: -0.006 min
Response: 162781600
Conc: 50.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD

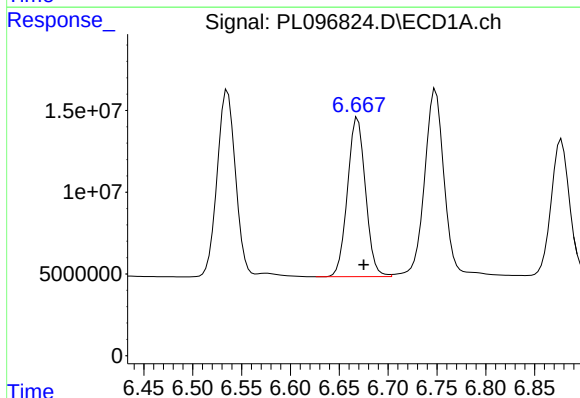
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



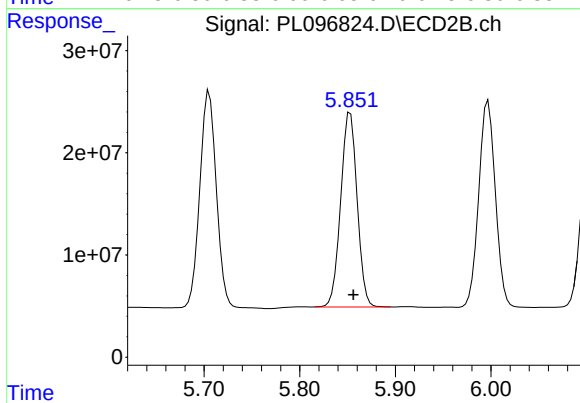
#15 Endosulfan II

R.T.: 5.997 min
Delta R.T.: -0.004 min
Response: 245214434
Conc: 47.74 ng/ml



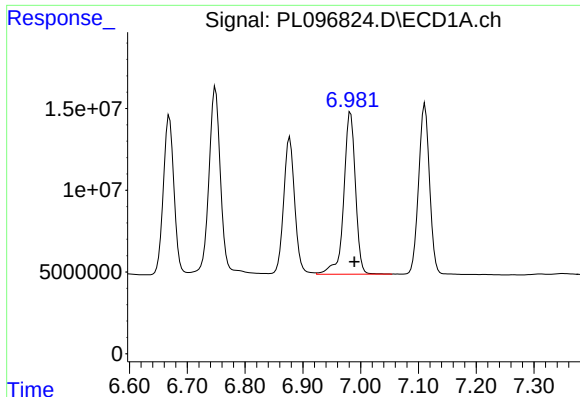
#16 4,4'-DDD

R.T.: 6.669 min
Delta R.T.: -0.006 min
Response: 124651862
Conc: 49.30 ng/ml



#16 4,4'-DDD

R.T.: 5.853 min
Delta R.T.: -0.003 min
Response: 227687881
Conc: 48.39 ng/ml



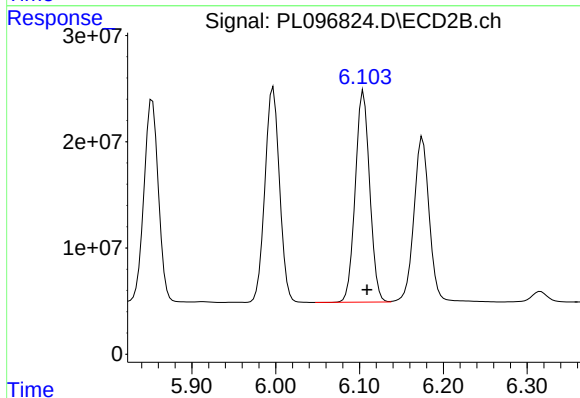
#17 4,4'-DDT

R.T.: 6.983 min
Delta R.T.: -0.006 min
Response: 138211624
Conc: 48.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD

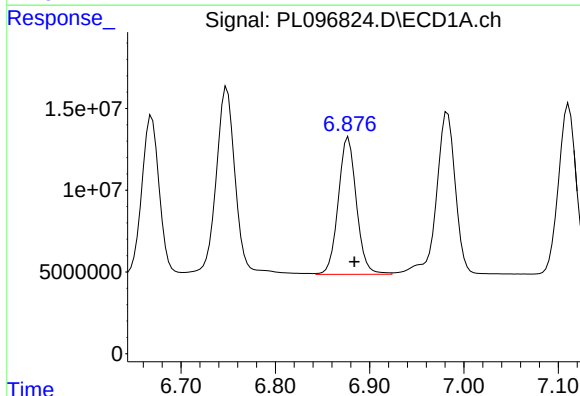
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



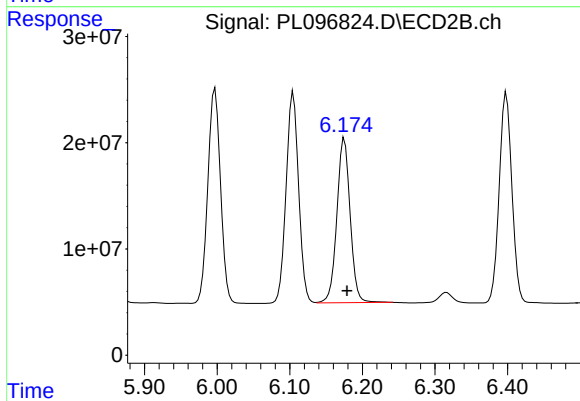
#17 4,4'-DDT

R.T.: 6.105 min
Delta R.T.: -0.004 min
Response: 238126866
Conc: 47.08 ng/ml



#18 Endrin aldehyde

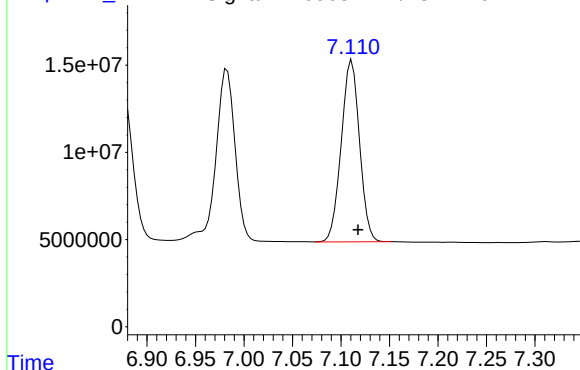
R.T.: 6.878 min
Delta R.T.: -0.006 min
Response: 112065931
Conc: 52.22 ng/ml



#18 Endrin aldehyde

R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 196634214
Conc: 54.09 ng/ml

Response_ Signal: PL096824.D\ECD1A.ch



#19 Endosulfan Sulfate

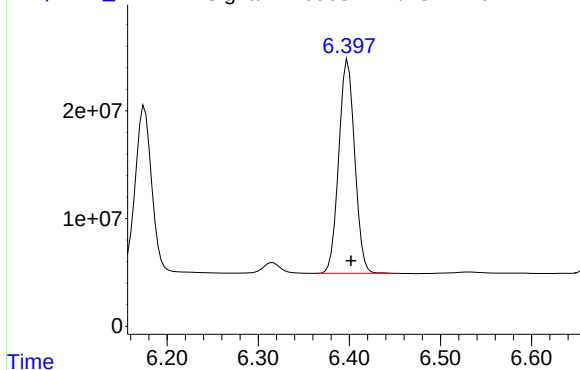
R.T.: 7.110 min
Delta R.T.: -0.008 min
Response: 136556540
Conc: 47.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025

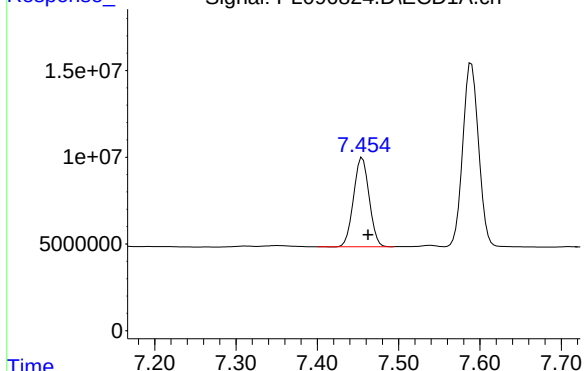
Response_ Signal: PL096824.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 241352693
Conc: 47.45 ng/ml

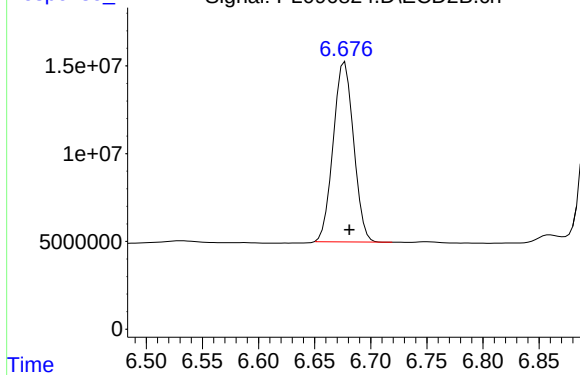
Response_ Signal: PL096824.D\ECD1A.ch



#20 Methoxychlor

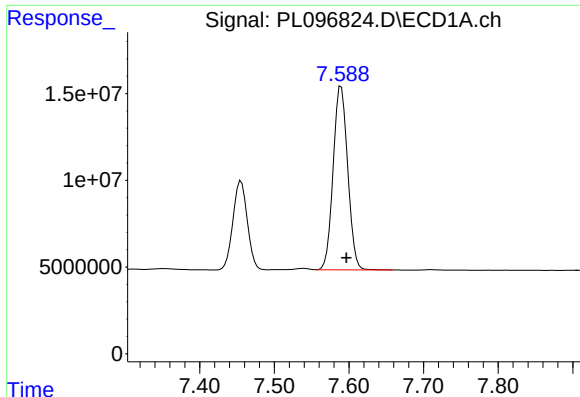
R.T.: 7.455 min
Delta R.T.: -0.007 min
Response: 68285598
Conc: 46.50 ng/ml

Response_ Signal: PL096824.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.677 min
Delta R.T.: -0.004 min
Response: 129462927
Conc: 47.24 ng/ml



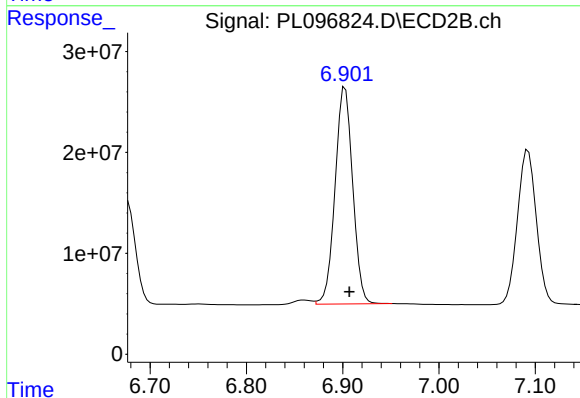
#21 Endrin ketone

R.T.: 7.590 min
Delta R.T.: -0.007 min
Response: 143858655
Conc: 47.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD

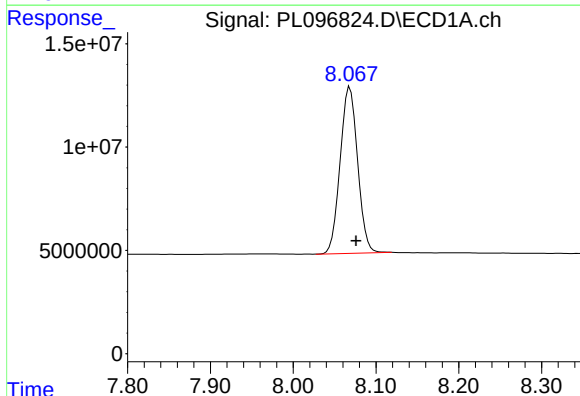
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/21/2025



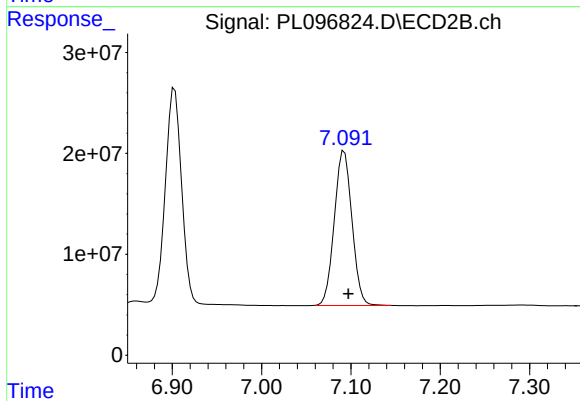
#21 Endrin ketone

R.T.: 6.903 min
Delta R.T.: -0.004 min
Response: 273236792
Conc: 49.06 ng/ml



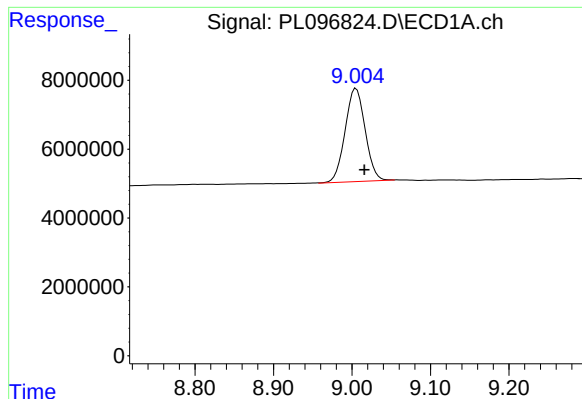
#22 Mirex

R.T.: 8.067 min
Delta R.T.: -0.009 min
Response: 118237062
Conc: 47.69 ng/ml m



#22 Mirex

R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 210019786
Conc: 48.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.012 min
Response: 48180370
Conc: 20.20 ng/ml

Instrument :

ECD_L

ClientSampleId :

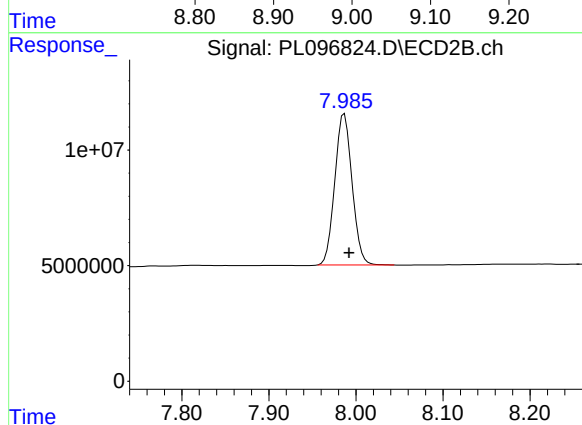
PB169225BSD

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 08/18/2025

Supervised By :mohammad ahmed 08/21/2025



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 90356362
Conc: 20.83 ng/ml

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:	pl081625	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PL096817.D	Decachlorobiphenyl	Abdul	8/18/2025 8:11:13 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PEM	PL096818.D	4,4"-DDD	Abdul	8/20/2025 8:50:45 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PEM	PL096818.D	4,4"-DDD #2	Abdul	8/20/2025 8:50:45 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PEM	PL096818.D	Endrin	Abdul	8/20/2025 8:50:45 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PEM	PL096818.D	Endrin aldehyde	Abdul	8/20/2025 8:50:45 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PEM	PL096818.D	Endrin aldehyde #2	Abdul	8/20/2025 8:50:45 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PEM	PL096818.D	Endrin ketone	Abdul	8/20/2025 8:50:45 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PEM	PL096818.D	Endrin ketone #2	Abdul	8/20/2025 8:50:45 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PEM	PL096818.D	Methoxychlor #2	Abdul	8/20/2025 8:50:45 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096819.D	4,4"-DDD	Abdul	8/18/2025 8:11:20 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096819.D	4,4"-DDT #2	Abdul	8/18/2025 8:11:20 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096819.D	alpha-BHC	Abdul	8/18/2025 8:11:20 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096819.D	beta-BHC	Abdul	8/18/2025 8:11:20 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software

Manual Integration Report

Sequence:

pl081625

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL096819.D	Endosulfan II	Abdul	8/18/2025 8:11:20 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096819.D	Endrin	Abdul	8/18/2025 8:11:20 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096819.D	Endrin aldehyde	Abdul	8/18/2025 8:11:20 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096819.D	gamma-BHC (Lindane)	Abdul	8/18/2025 8:11:20 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PCHLORCCC500	PL096820.D	Chlordane-1	Abdul	8/18/2025 8:11:22 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PTOXCCC500	PL096821.D	Decachlorobiphenyl #2	Abdul	8/18/2025 8:11:26 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PB169225BL	PL096822.D	Decachlorobiphenyl	Abdul	8/18/2025 8:11:31 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PB169225BS	PL096823.D	alpha-BHC	Abdul	8/20/2025 8:50:41 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PB169225BS	PL096823.D	beta-BHC	Abdul	8/20/2025 8:50:41 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PB169225BS	PL096823.D	Decachlorobiphenyl	Abdul	8/20/2025 8:50:41 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PB169225BS	PL096823.D	Dieldrin	Abdul	8/20/2025 8:50:41 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PB169225BS	PL096823.D	Endosulfan Sulfate	Abdul	8/20/2025 8:50:41 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PB169225BS	PL096823.D	Endrin	Abdul	8/20/2025 8:50:41 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software

Manual Integration Report

Sequence:

pl081625

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB169225BS	PL096823.D	gamma-BHC (Lindane)	Abdul	8/20/2025 8:50:41 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PB169225BS	PL096823.D	Mirex	Abdul	8/20/2025 8:50:41 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PB169225BSD	PL096824.D	beta-BHC	Abdul	8/18/2025 8:11:42 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PB169225BSD	PL096824.D	Decachlorobiphenyl	Abdul	8/18/2025 8:11:42 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PB169225BSD	PL096824.D	Endosulfan Sulfate	Abdul	8/18/2025 8:11:42 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PB169225BSD	PL096824.D	Endrin	Abdul	8/18/2025 8:11:42 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PB169225BSD	PL096824.D	Mirex	Abdul	8/18/2025 8:11:42 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
I.BLK	PL096827.D	Decachlorobiphenyl	Abdul	8/18/2025 8:11:56 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096828.D	beta-BHC	Abdul	8/18/2025 8:12:01 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096828.D	Decachlorobiphenyl	Abdul	8/18/2025 8:12:01 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096828.D	Dieldrin #2	Abdul	8/18/2025 8:12:01 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096828.D	Endosulfan II	Abdul	8/18/2025 8:12:01 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096828.D	Endrin	Abdul	8/18/2025 8:12:01 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software

Manual Integration Report

Sequence:	pl081625	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL096828.D	gamma-BHC (Lindane)	Abdul	8/18/2025 8:12:01 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096828.D	Heptachlor	Abdul	8/18/2025 8:12:01 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096828.D	Mirex	Abdul	8/18/2025 8:12:01 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PCHLORCCC500	PL096829.D	Chlordane-1	Abdul	8/18/2025 8:12:04 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PCHLORCCC500	PL096829.D	Decachlorobiphenyl	Abdul	8/18/2025 8:12:04 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PTOXCCC500	PL096830.D	Decachlorobiphenyl #2	Abdul	8/18/2025 8:12:07 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
Q2814-01	PL096831.D	Decachlorobiphenyl	Abdul	8/18/2025 8:12:12 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
Q2814-01	PL096831.D	Tetrachloro-m-xylene	Abdul	8/18/2025 8:12:12 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
Q2814-03	PL096832.D	Decachlorobiphenyl	Abdul	8/18/2025 8:12:14 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
Q2814-03	PL096832.D	Tetrachloro-m-xylene	Abdul	8/18/2025 8:12:14 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
Q2814-16	PL096833.D	Decachlorobiphenyl	Abdul	8/18/2025 8:12:19 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
Q2814-17	PL096834.D	4,4"-DDD	Abdul	8/18/2025 8:12:22 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
Q2814-17	PL096834.D	4,4"-DDE	Abdul	8/18/2025 8:12:22 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software

Manual Integration Report

Sequence:

pl081625

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2814-17	PL096834.D	4,4"-DDE #2	Abdul	8/18/2025 8:12:22 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
Q2814-17	PL096834.D	Decachlorobiphenyl	Abdul	8/18/2025 8:12:22 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
Q2814-17	PL096834.D	Decachlorobiphenyl #2	Abdul	8/18/2025 8:12:22 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
Q2814-17	PL096834.D	Dieldrin	Abdul	8/18/2025 8:12:22 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
Q2814-17	PL096834.D	Dieldrin #2	Abdul	8/18/2025 8:12:22 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
Q2814-17	PL096834.D	Endrin	Abdul	8/18/2025 8:12:22 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
Q2814-17	PL096834.D	Endrin #2	Abdul	8/18/2025 8:12:22 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
I.BLK	PL096835.D	Decachlorobiphenyl	Abdul	8/18/2025 8:12:26 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PEM	PL096836.D	4,4"-DDD	Abdul	8/20/2025 8:50:38 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PEM	PL096836.D	beta-BHC	Abdul	8/20/2025 8:50:38 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PEM	PL096836.D	Endrin	Abdul	8/20/2025 8:50:38 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PEM	PL096836.D	Endrin aldehyde	Abdul	8/20/2025 8:50:38 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PEM	PL096836.D	Endrin aldehyde #2	Abdul	8/20/2025 8:50:38 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software

Manual Integration Report

Sequence:	pl081625	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL096836.D	Endrin ketone #2	Abdul	8/20/2025 8:50:38 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PEM	PL096836.D	Methoxychlor #2	Abdul	8/20/2025 8:50:38 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096837.D	4,4"-DDD	Abdul	8/18/2025 8:12:34 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096837.D	Decachlorobiphenyl	Abdul	8/18/2025 8:12:34 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096837.D	Dieldrin #2	Abdul	8/18/2025 8:12:34 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096837.D	Endosulfan II	Abdul	8/18/2025 8:12:34 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096837.D	Endrin	Abdul	8/18/2025 8:12:34 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096837.D	Methoxychlor #2	Abdul	8/18/2025 8:12:34 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096837.D	Mirex	Abdul	8/18/2025 8:12:34 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
I.BLK	PL096840.D	Decachlorobiphenyl	Abdul	8/18/2025 8:13:00 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096841.D	4,4"-DDD	Abdul	8/20/2025 8:50:35 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096841.D	beta-BHC	Abdul	8/20/2025 8:50:35 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096841.D	Decachlorobiphenyl	Abdul	8/20/2025 8:50:35 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software

Manual Integration Report

Sequence:

pl081625

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL096841.D	Dieldrin	Abdul	8/20/2025 8:50:35 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096841.D	Dieldrin #2	Abdul	8/20/2025 8:50:35 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096841.D	Endosulfan II	Abdul	8/20/2025 8:50:35 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096841.D	Endosulfan Sulfate	Abdul	8/20/2025 8:50:35 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096841.D	Endrin	Abdul	8/20/2025 8:50:35 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096841.D	Methoxychlor #2	Abdul	8/20/2025 8:50:35 AM	mohammad	8/19/2025 1:27:28	Peak Integrated by Software
PSTDCCC050	PL096841.D	Mirex	Abdul	8/20/2025 8:50:35 AM	mohammad	8/19/2025 1:27:28	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 # PL081625

Review By	Abdul	Review On	8/18/2025 8:13:57 AM
Supervise By	mohammad	Supervise On	8/19/2025 1:27:28 AM
SubDirectory	PL081625	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#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL096816.D	15 Aug 2025 08:58	AR\AJ	Ok
2	I.BLK	PL096817.D	15 Aug 2025 09:11	AR\AJ	Ok,M
3	PEM	PL096818.D	15 Aug 2025 10:13	AR\AJ	Ok,M
4	PSTDCCC050	PL096819.D	15 Aug 2025 10:58	AR\AJ	Ok,M
5	PCHLORCCC500	PL096820.D	15 Aug 2025 12:28	AR\AJ	Ok,M
6	PTOXCCC500	PL096821.D	15 Aug 2025 15:53	AR\AJ	Ok,M
7	PB169225BL	PL096822.D	15 Aug 2025 16:07	AR\AJ	Ok,M
8	PB169225BS	PL096823.D	15 Aug 2025 16:21	AR\AJ	Ok,M
9	PB169225BSD	PL096824.D	15 Aug 2025 16:34	AR\AJ	Ok,M
10	PB169225BS	PL096825.D	15 Aug 2025 16:48	AR\AJ	Ok,M
11	PB169225BS	PL096826.D	15 Aug 2025 17:36	AR\AJ	Ok,M
12	I.BLK	PL096827.D	15 Aug 2025 17:51	AR\AJ	Ok,M
13	PSTDCCC050	PL096828.D	15 Aug 2025 18:05	AR\AJ	Ok,M
14	PCHLORCCC500	PL096829.D	15 Aug 2025 18:32	AR\AJ	Ok,M
15	PTOXCCC500	PL096830.D	15 Aug 2025 18:45	AR\AJ	Ok,M
16	Q2814-01	PL096831.D	15 Aug 2025 18:59	AR\AJ	Ok,M
17	Q2814-03	PL096832.D	15 Aug 2025 19:13	AR\AJ	Ok,M
18	Q2814-16	PL096833.D	15 Aug 2025 19:26	AR\AJ	Ok,M
19	Q2814-17	PL096834.D	15 Aug 2025 19:40	AR\AJ	Ok,M
20	I.BLK	PL096835.D	15 Aug 2025 19:54	AR\AJ	Ok,M
21	PEM	PL096836.D	15 Aug 2025 20:07	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL081625

Review By	Abdul	Review On	8/18/2025 8:13:57 AM
Supervise By	mohammad	Supervise On	8/19/2025 1:27:28 AM
SubDirectory	PL081625	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	PSTDCCC050	PL096837.D	15 Aug 2025 20:48	AR\AJ	Ok,M
23	Q2815-01	PL096838.D	15 Aug 2025 21:02	AR\AJ	Not Ok
24	Q2815-11	PL096839.D	15 Aug 2025 21:15	AR\AJ	Ok,M
25	I.BLK	PL096840.D	15 Aug 2025 21:56	AR\AJ	Ok,M
26	PSTDCCC050	PL096841.D	15 Aug 2025 22:10	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 # PL081625

Review By	Abdul	Review On	8/18/2025 8:13:57 AM
Supervise By	mohammad	Supervise On	8/19/2025 1:27:28 AM
SubDirectory	PL081625	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	PL096816.D	15 Aug 2025 08:58		AR\AJ	Ok
2	I.BLK	I.BLK	PL096817.D	15 Aug 2025 09:11		AR\AJ	Ok,M
3	PEM	PEM	PL096818.D	15 Aug 2025 10:13		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL096819.D	15 Aug 2025 10:58		AR\AJ	Ok,M
5	PCHLORCCC500	PCHLORCCC500	PL096820.D	15 Aug 2025 12:28		AR\AJ	Ok,M
6	PTOXCCC500	PTOXCCC500	PL096821.D	15 Aug 2025 15:53		AR\AJ	Ok,M
7	PB169225BL	PB169225BL	PL096822.D	15 Aug 2025 16:07		AR\AJ	Ok,M
8	PB169225BS	PB169225BS	PL096823.D	15 Aug 2025 16:21		AR\AJ	Ok,M
9	PB169225BSD	PB169225BSD	PL096824.D	15 Aug 2025 16:34		AR\AJ	Ok,M
10	PB169225BS	PB169225BS	PL096825.D	15 Aug 2025 16:48	CHLOR BS	AR\AJ	Ok,M
11	PB169225BS	PB169225BS	PL096826.D	15 Aug 2025 17:36	TOX BS	AR\AJ	Ok,M
12	I.BLK	I.BLK	PL096827.D	15 Aug 2025 17:51		AR\AJ	Ok,M
13	PSTDCCC050	PSTDCCC050	PL096828.D	15 Aug 2025 18:05		AR\AJ	Ok,M
14	PCHLORCCC500	PCHLORCCC500	PL096829.D	15 Aug 2025 18:32		AR\AJ	Ok,M
15	PTOXCCC500	PTOXCCC500	PL096830.D	15 Aug 2025 18:45		AR\AJ	Ok,M
16	Q2814-01	TW-84SB-E	PL096831.D	15 Aug 2025 18:59		AR\AJ	Ok,M
17	Q2814-03	TW-17M-W	PL096832.D	15 Aug 2025 19:13		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL081625

Review By	Abdul	Review On	8/18/2025 8:13:57 AM
Supervise By	mohammad	Supervise On	8/19/2025 1:27:28 AM
SubDirectory	PL081625	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			

18	Q2814-16	FB	PL096833.D	15 Aug 2025 19:26		AR\AJ	Ok,M
19	Q2814-17	TW-518R-S	PL096834.D	15 Aug 2025 19:40		AR\AJ	Ok,M
20	I.BLK	I.BLK	PL096835.D	15 Aug 2025 19:54		AR\AJ	Ok,M
21	PEM	PEM	PL096836.D	15 Aug 2025 20:07		AR\AJ	Ok,M
22	PSTDCCC050	PSTDCCC050	PL096837.D	15 Aug 2025 20:48		AR\AJ	Ok,M
23	Q2815-01	TW-705R-S	PL096838.D	15 Aug 2025 21:02	All surrogate fail , need dilution	AR\AJ	Not Ok
24	Q2815-11	TW-22M-W	PL096839.D	15 Aug 2025 21:15		AR\AJ	Ok,M
25	I.BLK	I.BLK	PL096840.D	15 Aug 2025 21:56		AR\AJ	Ok,M
26	PSTDCCC050	PSTDCCC050	PL096841.D	15 Aug 2025 22:10		AR\AJ	Ok,M

M : Manual Integration

SOP ID: M3510C,3580A-Extraction Pesticide-17

Clean Up SOP #: Florisil

Extraction Start Date : 08/12/2025

Matrix : Water

Extraction Start Time : 10:20

Weigh By: N/A

Extraction By: RS

Extraction End Date : 08/12/2025

Balance check: N/A

Filter By: RJ

Extraction End Time : 14:45

Balance ID: N/A

pH Meter ID: N/A

Concentration By: RS

pH Strip Lot#: E3880

Hood ID: 4,6,7

Supervisor By : RUPESH

Extraction Method: ☒ Separatory Funnel

☐ Continous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24627
Surrogate	1.0ML	200 PPB	PP24663
Spike Sol 2	2.0ML	1000 PPB	PP24622
Spike Sol 3	2.0ML	1000 PPB	PP24621
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3954
Baked Na2SO4	N/A	EP2632
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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS723, Q2814 samples Extract out of Holding Time.

KD Bath ID: WATER BATH-1,2

Envap ID: NEVAP-02

KD Bath Temperature: 60 °C

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/12/25	RS (Ext Lab)	RS Pest/PLB Lab
14:50	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction Pesticide-17

Concentration Date: 08/12/2025

Sample ID	Client Sample ID	Test	g /mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169225BL	PBLK225	Pesticide-TCL	1000	6	RUPESH	ritesh	10			SEP-1
PB169225BS	PLCS225	Pesticide-TCL	1000	6	RUPESH	ritesh	10			2
PB169225BS D	PLCSD225	Pesticide-TCL	1000	6	RUPESH	ritesh	10			3
Q2814-01	TW-84SB-E	Pesticide-TCL	1000	6	RUPESH	ritesh	10	G		4
Q2814-03	TW-17M-W	Pesticide-TCL	990	6	RUPESH	ritesh	10	G		5
Q2814-16	FB	Pesticide-TCL	500	6	RUPESH	ritesh	5	E		6
Q2814-17	TW-518R-S	Pesticide-TCL	990	6	RUPESH	ritesh	10	G		7
Q2815-01	TW-705R-S	Pesticide-TCL	1000	6	RUPESH	ritesh	10	E		8
Q2815-11	TW-22M-W	Pesticide-TCL	990	6	RUPESH	ritesh	10	E		9
	CHLORDANE	1	1000	6	1	1	10			10
	TOXAPHENE	1	1000	6	1	1	10			11

RS
8/12

169228
10-20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2814P WorkList ID : 191236 Department : Extraction Date : 08-12-2025 10:14:30

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2814-01	TW-84SB-E	Water	Pesticide-TCL	Cool 4 deg C	FIRS02	D41	08/05/2025	8081B
Q2814-03	TW-17M-W	Water	Pesticide-TCL	Cool 4 deg C	FIRS02	D41	08/05/2025	8081B
Q2814-16	FB	Water	Pesticide-TCL	Cool 4 deg C	FIRS02	D41	08/04/2025	8081B
Q2814-17	TW-518R-S	Water	Pesticide-TCL	Cool 4 deg C	FIRS02	D41	08/05/2025	8081B
Q2815-01	TW-705R-S	Water	Pesticide-TCL	Cool 4 deg C	FIRS02	D41	08/06/2025	8081B
Q2815-11	TW-22M-W	Water	Pesticide-TCL	Cool 4 deg C	FIRS02	D41	08/08/2025	8081B

Date/Time 8/12/25 10:15
Raw Sample Received by: RS (Ext-lab)
Raw Sample Relinquished by: CP SM

Date/Time 8/12/25 10:50
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RS (Ext-lab)

Prep Standard - Chemical Standard Summary

Order ID : Q2814

Test : Pesticide-TCL

Prepbatch ID : PB169225,

Sequence ID/Qc Batch ID: pl081625,

Standard ID :

EP2596,EP2632,PP24257,PP24259,PP24329,PP24433,PP24621,PP24622,PP24627,PP24651,PP24663,PP24738,PP24739,PP24740,PP24741,PP24742,PP24744,PP24745,PP24746,PP24747,PP24748,PP24749,PP24750,PP24751,PP24752,PP24753,PP24754,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764,

Chemical ID :

E3875,E3877,E3914,E3915,E3927,E3937,E3941,E3944,E3954,E3956,E3962,P12604,P12610,P12611,P13037,P13038,P13041,P13195,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>
1215	FLOROSIL CLEAN UP-WASHING SOLN	EP2596	03/27/2025	09/19/2025	Rajesh Parikh	None	None	Evelyn Huang
								03/27/2025

FROM 100.00000ml of E3915 + 900.00000ml of E3914 = Final Quantity: 1000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2632	08/11/2025	01/28/2026	RUPESEKUMAR 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>
1472	20 PPM Pest Stock Solution 2nd Source	PP24257	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 1.00000ml of P13037 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3663	20 PPM MIREX Stock STD (Secondary source)	PP24259	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.20000ml of P13195 + 9.80000ml of E3877 = Final Quantity: 10.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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>
79	500 PPB Pesticide Spike Solution	PP24627	06/10/2025	08/12/2025	Abdul Mirza	None	None	Yogesh Patel
								06/11/2025

FROM 95.00000ml of E3937 + 2.50000ml of PP24257 + 2.50000ml of PP24259 = Final Quantity: 100.000 ml

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	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

<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

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>
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

<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



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,
Fax : 908 789 8922

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,
Fax : 908 789 8922

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,
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>
386	1000/100 PPB Chlordane STD (Restek)	PP24746	07/21/2025	01/21/2026	Abdul Mirza	None	None	Yogesh Patel
								07/24/2025

FROM 0.10000ml of P12604 + 99.40000ml of E3956 + 0.50000ml of PP24742 = Final Quantity: 100.000 ml

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
383	1000/100 PPB Toxaphene STD (Restek)	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3631	75 PPB ICAL PEST STD(RESTEK)	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3633	25 PPB ICAL PEST STD(RESTEK)	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3988	50 PPB PEST ICV STD(RESTEK)	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
529	CHLOR 500 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3408	CHLOR 50 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
533	TOX 750 PPB STD	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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
535	TOX 250 PPB STD	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

<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
<u>FROM</u> 0.50000ml of PP24749 = Final Quantity: 1.000 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	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	09/19/2025	03/19/2025 / RUPESH	03/13/2025 / RUPESH	E3914

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	09/26/2025	03/26/2025 / Rajesh	03/19/2025 / RUPESH	E3915

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

CHEMICAL RECEIPT LOG BOOK

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25B1862001	03/19/2026	07/14/2025 / RUPESH	06/11/2025 / RUPESH	E3954

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

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

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	P12610

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0193299	09/09/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12611

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13037

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	01/21/2026	07/21/2025 / Abdul	12/26/2023 / Abdul	P13038

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	07/21/2026	07/21/2025 / Abdul	12/26/2023 / Abdul	P13041

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	042022	09/10/2025	03/10/2025 / Abdul	01/17/2024 / Abdul	P13195

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	042022	01/21/2026	07/21/2025 / Abdul	01/17/2024 / Abdul	P13196

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	12/17/2025	06/17/2025 / Abdul	02/09/2024 / Abdul	P13246

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	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

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	09/10/2025	03/10/2025 / Abdul	12/09/2024 / Abdul	P13861

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0210240	01/21/2026	07/21/2025 / Abdul	12/09/2024 / Abdul	P13862

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 RP on 2/12/25

 E3877

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.

If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

Certificate of Analysis

1 Reagent Lane
 Fair Lawn, NJ 07410
 201.796.7100 tel
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT - 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RS on 3/14/25



E3914

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.

If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

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

Recd. by RS on 3/19/25

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E3915

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

Cleanert Florisil

1g/6ml 30/pkg

LOT#: Z0830QB1

MFG#: G01256

CAT# FS0006



Agela Technologies

Made in China

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

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



Material No.: 9266-A4
Batch No.: 25B1862001
Manufactured Date: 2024-12-18
Expiration Date: 2026-03-19
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	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	5
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.3 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	<0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	<5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	<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

RS
7/14/25

E3954

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 7/16/25

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
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P12615
Five
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	—%	1,010.0 µg/mL	+/- 56.0475

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

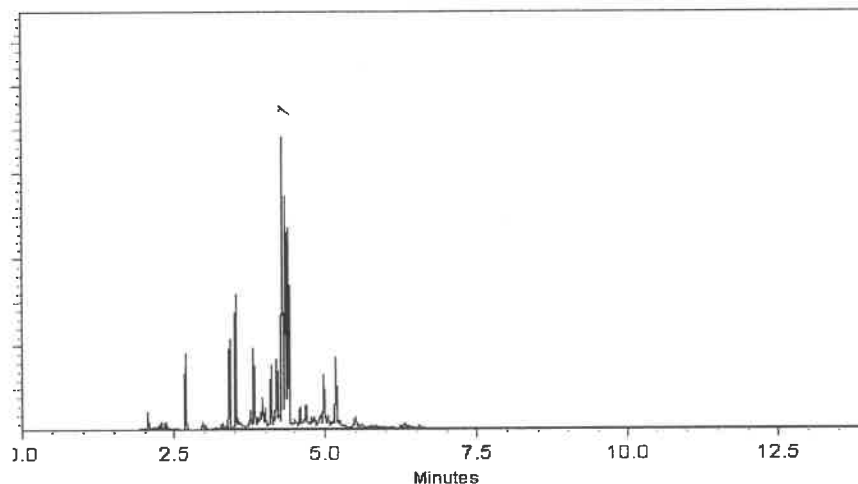
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Bryan Snyder
Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

CRm
P12611
↓
P12615 } (5) *Fin*

CRout
7/3/2023



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : June 30, 2027 Storage: 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1 µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0 µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1 µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0 µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13039
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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.)

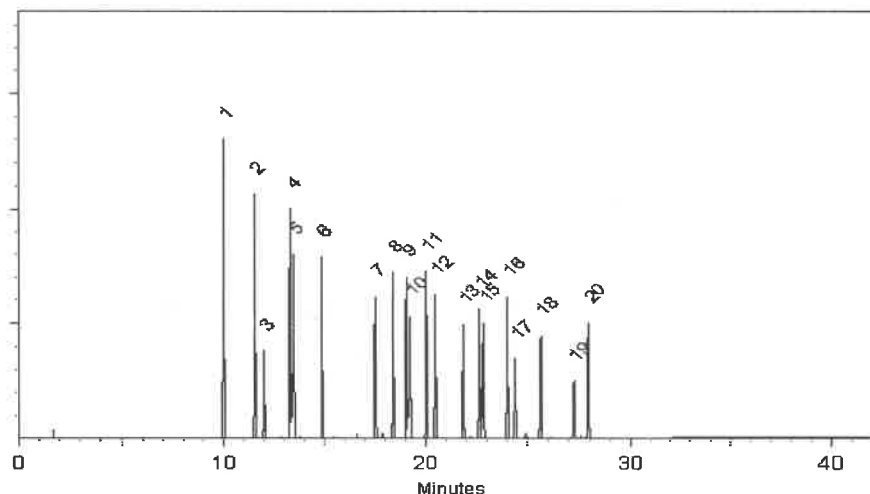
Inj. Temp:
 200°C

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

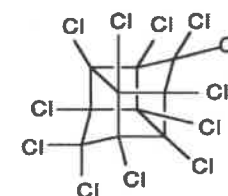
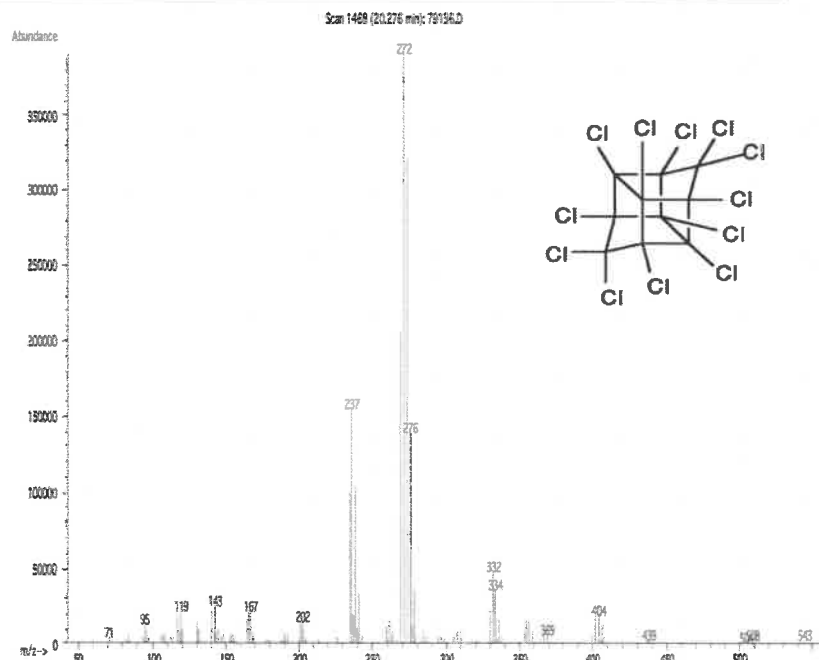
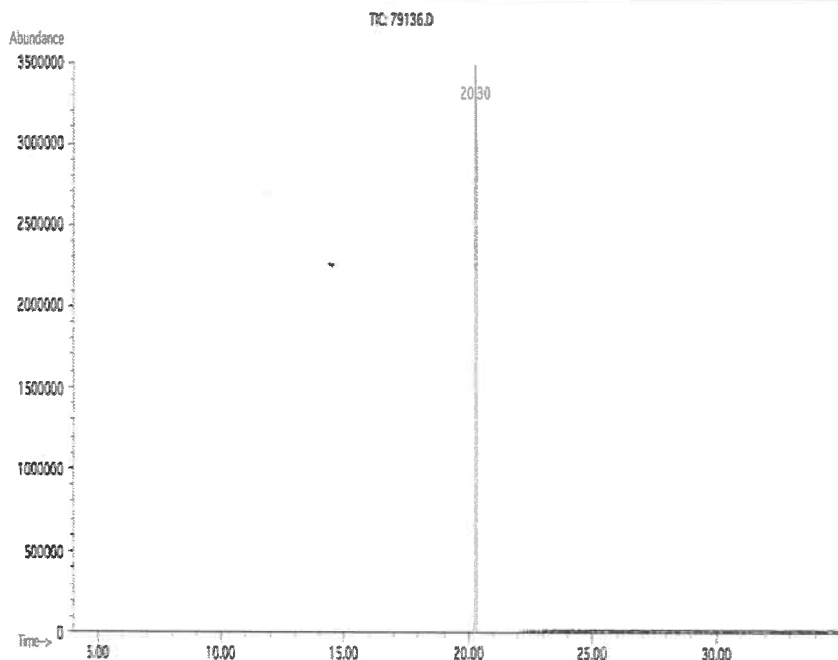
Expiration Date: 042027
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 50.0
5E-05 Balance Uncertainty
0.006 Flask Uncertainty

		042022
Formulated By:	Prashant Chauhan	DATE
		042022
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3	2385-85-5	N/A	ori-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B = 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



P13195
↓
P13199
↓
(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

Handwritten diagram showing a curved arrow pointing from a circled '5' to the text 'D/C 1/3/5'.



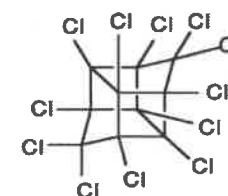
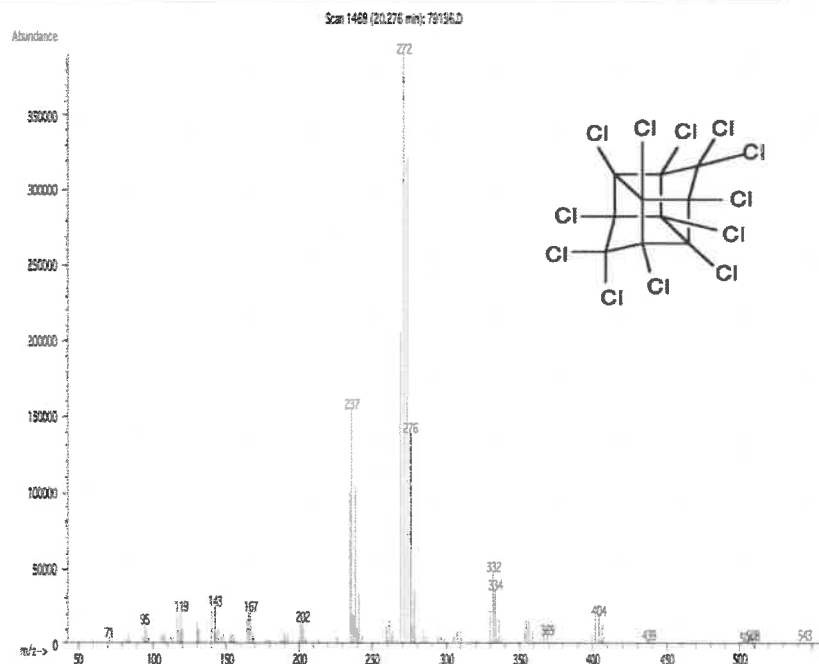
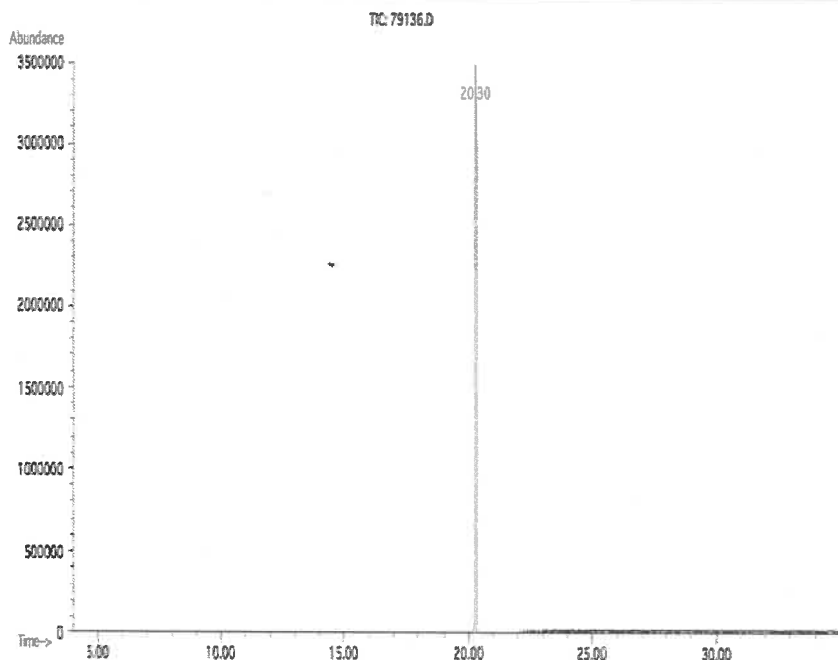
CERTIFIED WEIGHT REPORT

Part Number: **79136**
Lot Number: **042022**
Description: **Mirex**Solvent(s):
Acetone Lot#
81025Expiration Date: **042027**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **6UTB**5E-05 Balance Uncertainty
0.006 Flask UncertaintyWeight(s) shown below were combined and diluted to (mL): **50.0**

<i>Prashant Chauhan</i>		042022
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		042022
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3	2385-85-5	N/A	ori-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B = 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5 % of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

P13195
↓
P13199
↓
(5)
↓
W. H. H. H.
01/17/2024

01/17/2024
AHLN

5



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.:** A0197993
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2029 **Storage:** 10°C or colder
Ship: Ambient

P 12603
↓
P 12605
[3]
Kauf
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

Solvent: Hexane
CAS # 110-54-3
Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

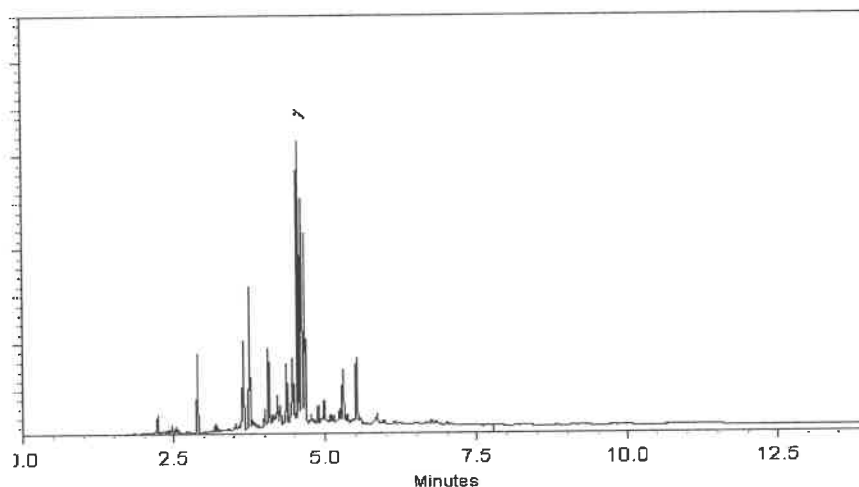
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Morgan Craighead - Mix Technician

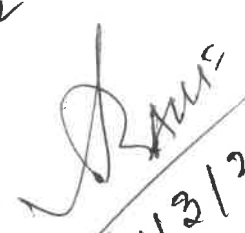
Date Mixed: 11-May-2023

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 12603 } (3)
↓
P 12605

7/3/2023



110 Benner Circle
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Tel: 1-814-353-1300
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. : 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:

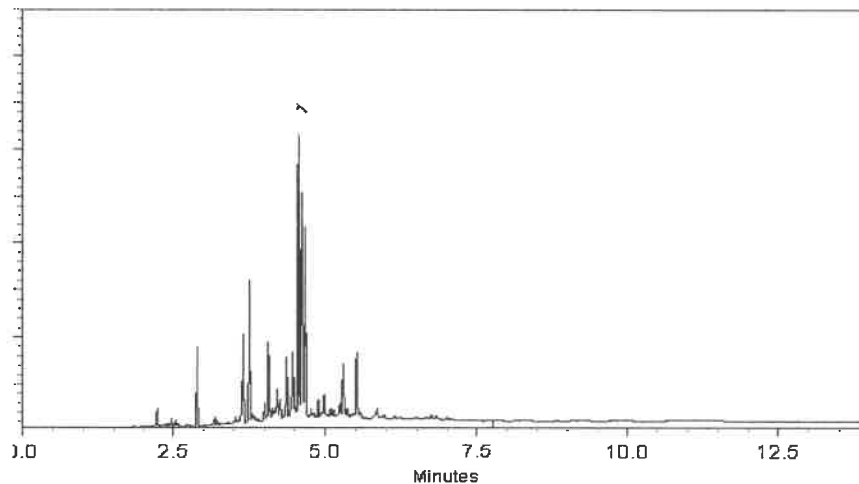
ECD

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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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.:** 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.)

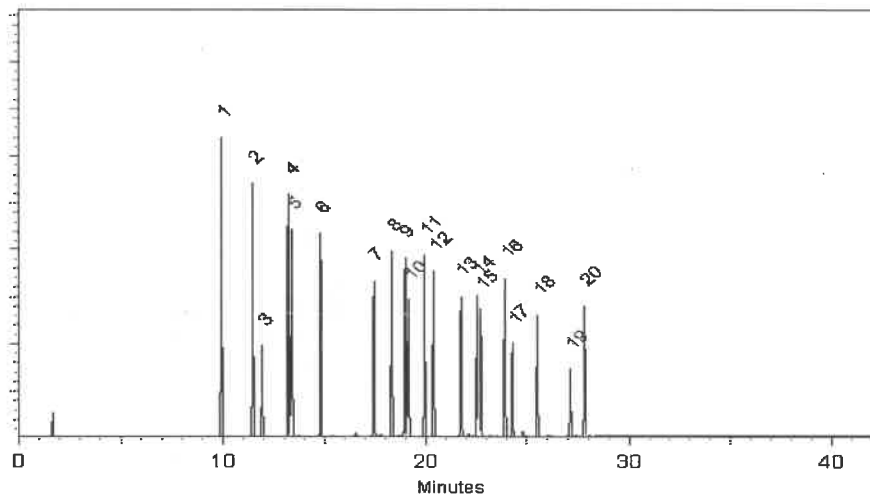
Inj. Temp:
200°C

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 - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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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.:** 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
↓
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.)

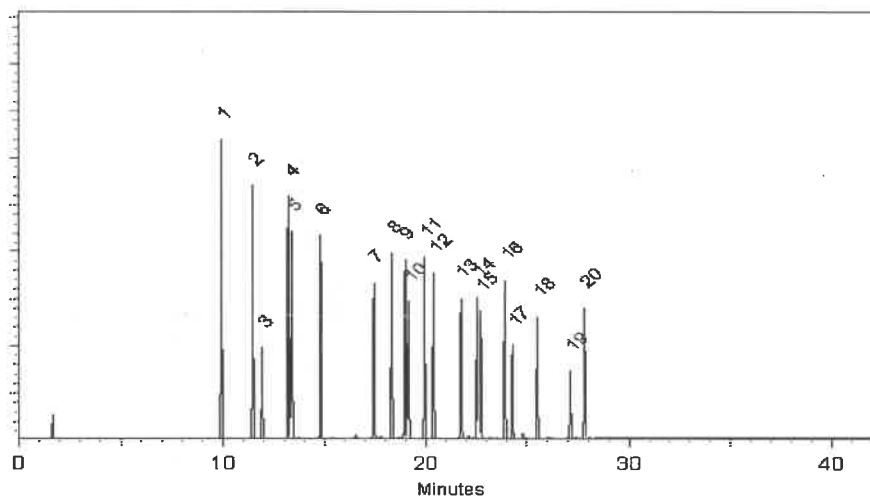
Inj. Temp:
200°C

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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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. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
↓
P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

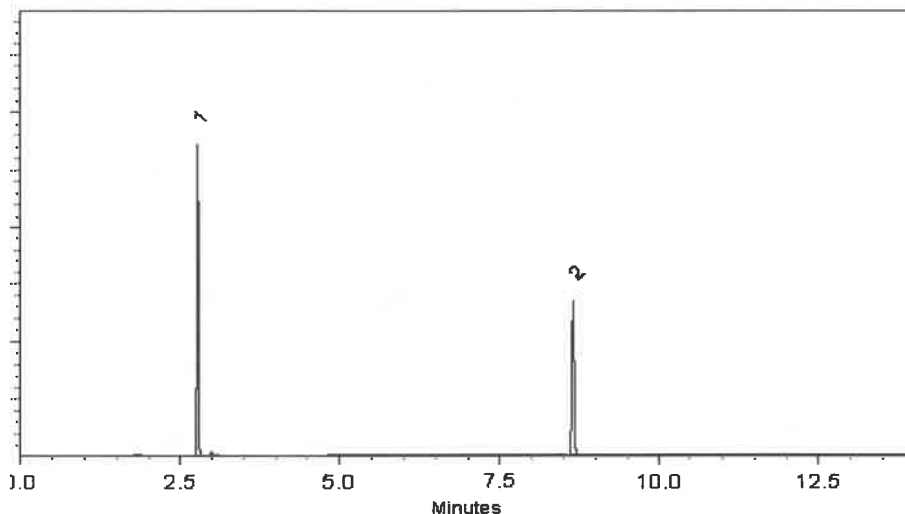
ECD

Split Vent:

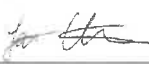
10 ml/min.

Inj. Vol

1µl

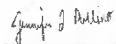


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

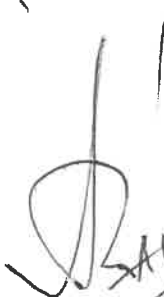
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 13348
↓
P 13357
10


SAUF
04/25/2025



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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:

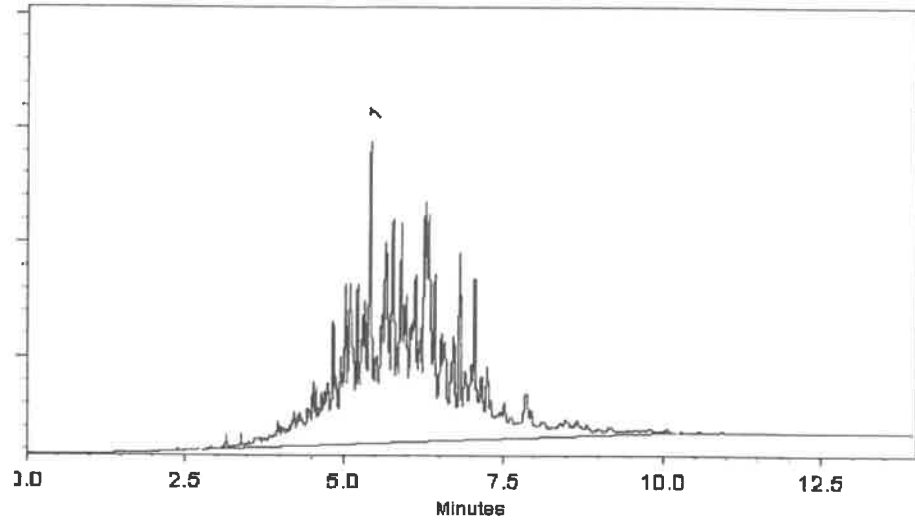
ECD

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

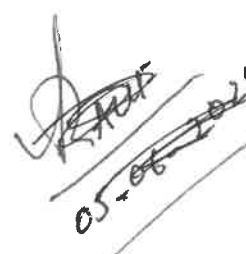
Date Mixed: 10-Oct-2023

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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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. : 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:

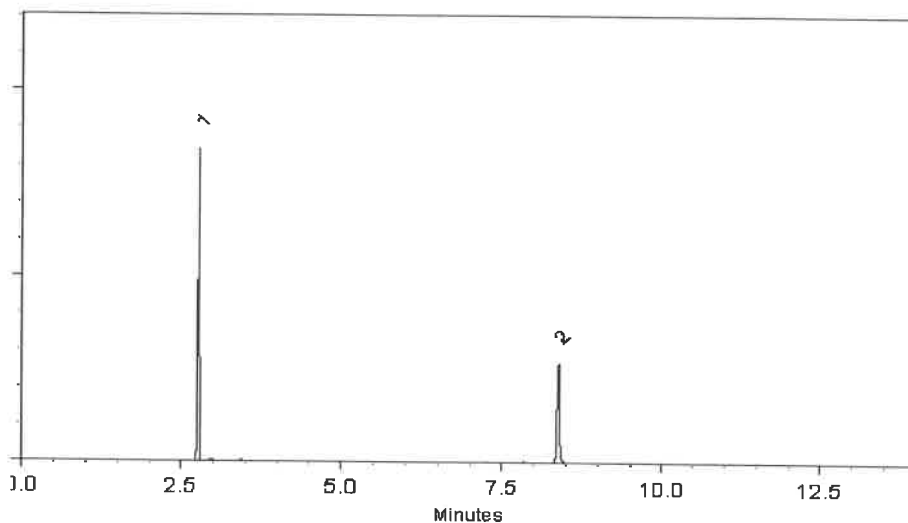
ECD

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



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. : 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:

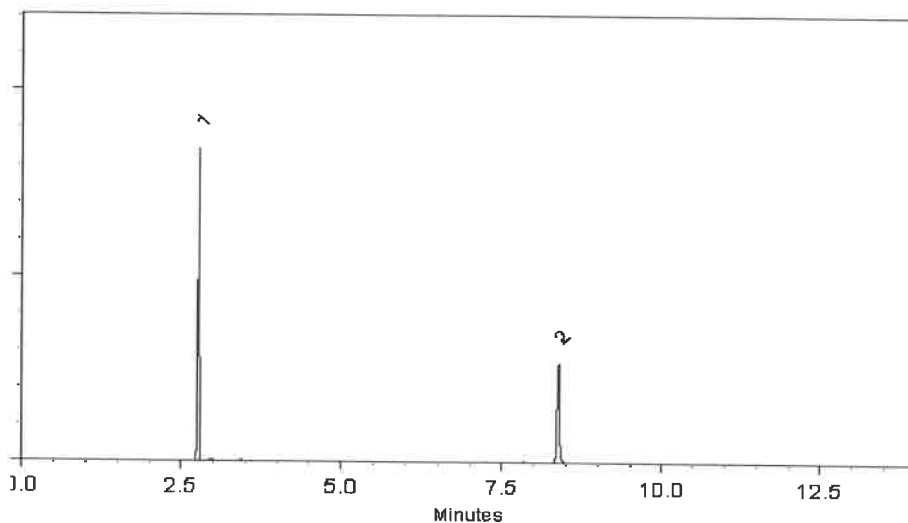
ECD

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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0210240

Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13861
P13862

12/9/2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

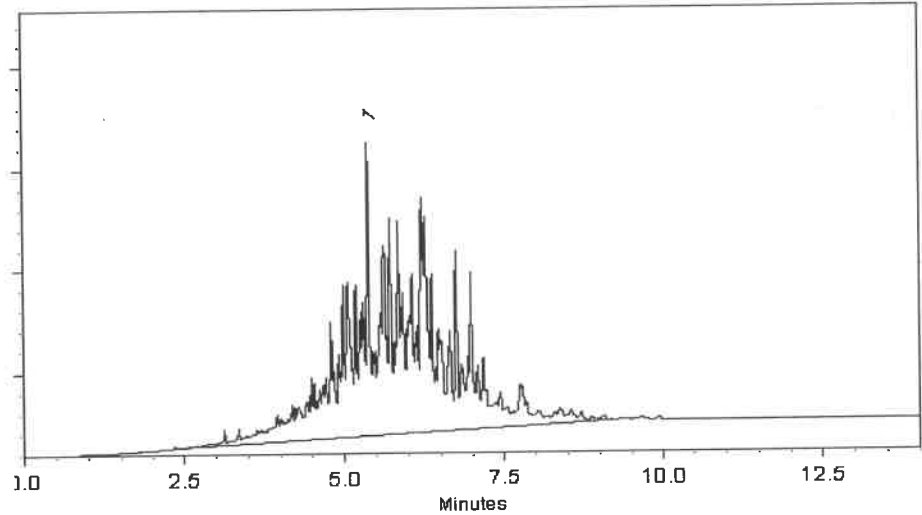
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311


Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13861 } ②
P13862 }


12/9/2024



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0210240
Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : July 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13861
P13862

12/9/2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

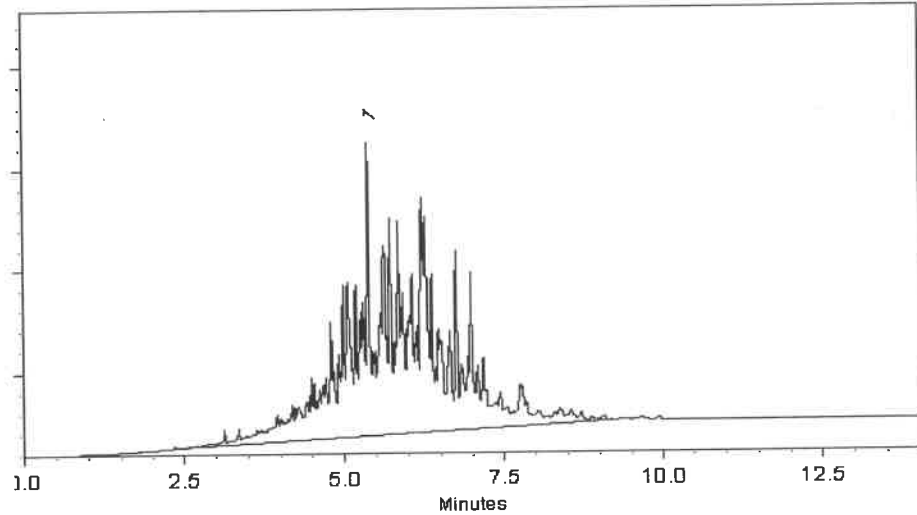
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024

Balance Serial # B442140311


Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13861 } ②
P13862 }


12/9/2024



CERTIFIED WEIGHT REPORT

Part Number: **72072**
Lot Number: **112018**
Description: **n-Tetracosane-d50**
Expiration Date: **112028**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test ID#: **2684186**
Weight(s) shown below were combined and diluted to (mL): **200.0**

Solvent(s): **Methylene chloride**
Lot#: **102669**

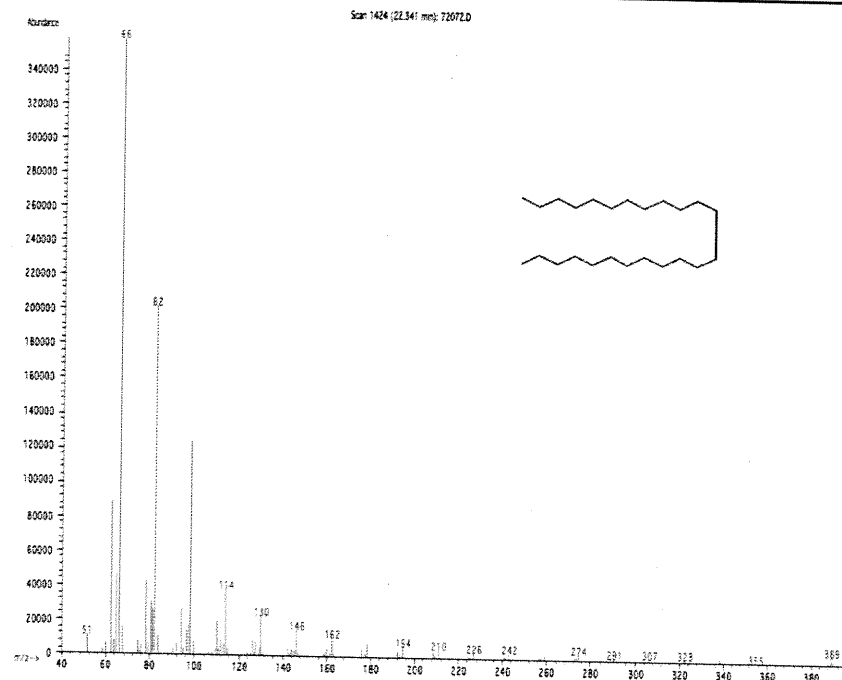
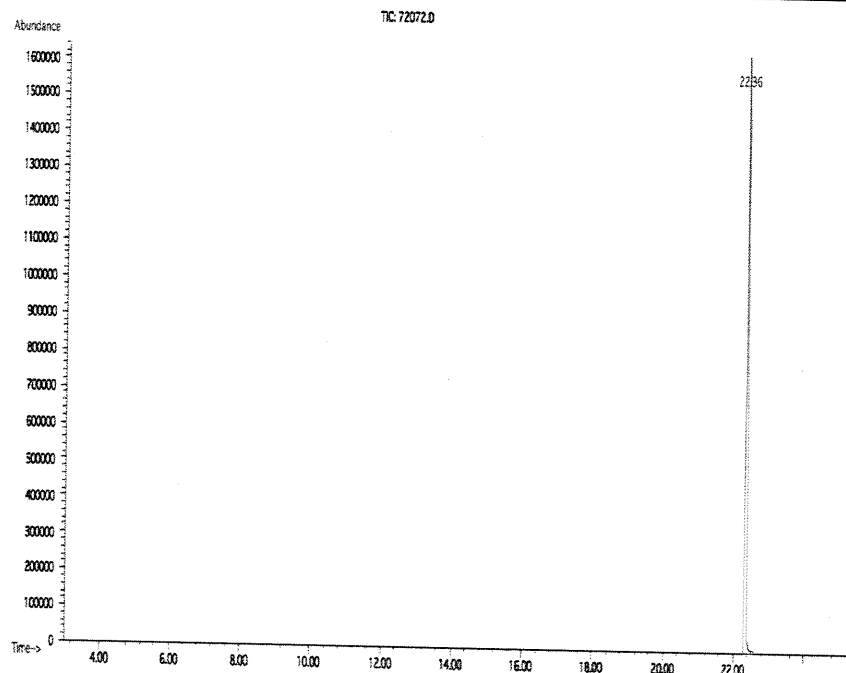
Received by
SG on 11/1/19
P9044 - P9053

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

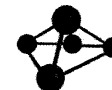
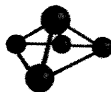
		112018
Formulated By:	Prashant Chauhan	DATE
		112018
Reviewed By:	Pedro Rentas	DATE

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

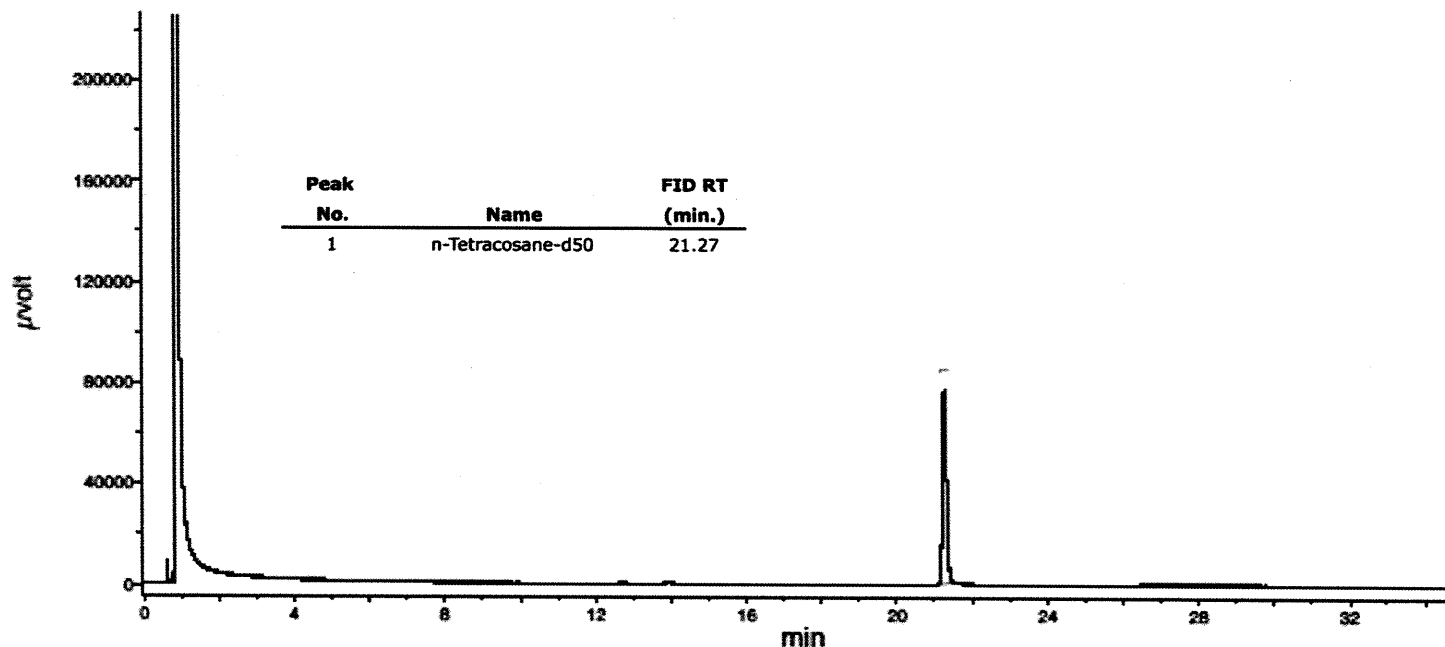
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

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



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

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: FIRST ENVIRONMENT INC
ADDRESS: 10 PARK PLACE
CITY: BUTTER STATE: NJ ZIP: 07905
ATTENTION: AL SMITH
PHONE: 973-334-0003 FAX:

PROJECT NAME: USACE FIMP
PROJECT NO.: USACE 08-44 LOCATION: LONG BRANCH
PROJECT MANAGER: AL SMITH
e-mail: AL SMITH@FIRSTENVIRONMENT
PHONE: 973-334-0003 FAX:

BILL TO: STATE PO#:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☒ EDD FORMAT _____

1. VOC
2. SVOC
3. Metals
4. PCB
5. PCB
6. PCB
7. PCB
8. PCB
9. PCB

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										COMMENTS ← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	TW-84 SB-E	GW		X	8/5/25	01:32	3	2	1		1	1					
2.	TW-17M-N	GW		X	8/5/25	05:17	3	2	1								
3.	TW-17M-W	GW		X	8/5/25	04:51	8	2	3	3							
4.	TW-82H-N	GW		X	8/6/25	02:00	3	2	1								
5.	TW-82H-E	GW		X	8/6/25	12:30	3	2	1								
6.	TW-82H-S	GW		X	8/6/25	01:00	3	2	1								
7.	TW-82H-W	GW		X	8/6/25	01:15	3	2	1								
8.	TW-38M-E	GW		X	8/6/25	10:49	3	2	1								
9.	TW-38M-W	GW		X	8/6/25	10:53	3	2	1								
10.	TW-38M-XI	GW		X	8/6/25	22:10	3	2	1								

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>GMA</u>	DATE/TIME: <u>8/8/25 6:01</u>	RECEIVED BY: 1. <u>R. O. W.</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP <u>3.6</u> °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	Page ____ of
			CLIENT: ☐ Hand Delivered ☐ Other
			Shipment Complete ☐ YES ☐ NO

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____
PHONE: _____ FAX: _____

PROJECT NAME: _____
PROJECT NO.: _____ LOCATION: _____
PROJECT MANAGER: _____
e-mail: _____
PHONE: _____ FAX: _____

BILL TO: _____ PO#: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____ PHONE: _____

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

1 2 3 4 5 6 7 8 9

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	TW-38M-S	GW		4	8/4/25	0946	3	2	1								
2.	TW-BP-S	GW		4	8/4/25	1810	3	2	1								
3.	TW-BP-N	GW		4	8/4/25	1810	3	2	1								
4.	TW-BP-E	GW		4	8/4/25	1735	3	2	1								
5.	TW-BP-W	GW		4	8/4/25	1640	3	2	1								
6.	FB	GW		4	8/4/25	1810	3	2	1								
7.	TW-518R-S	GW		4	8/5/25	1027	3	2	1								
8.	TW-518R-N	GW		4	8/5/25	1037	3	2	1								
9.	TW-518R-E	GW		4	8/5/25	1047	3	2	1								
10.	TW-518R-W	GW		4	8/5/25	1057	3	2	1								

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. GME	DATE/TIME: 6:01	RECEIVED BY: J. J. - 8-8-25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 5.9 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

From: Yazmeen Gomez
Sent: Monday, August 11, 2025 2:55 PM
To: 'Daniel Ligon'
Cc: 'Alfred Smith'; Jordan Hedvat
Subject: RE: Bottleware Order - USACE018-44
Attachments: q2815.pdf; q2814.pdf

Good afternoon,

A few things -

- Below mentions Filtered and Unfiltered for 8 GW samples, however, we only received three unpreserved metals bottles - TW-84SB-E, TW-17M-W, and TW-11M-W.
- 8 samples not listed on the COC were received – TW-17M-E, TW-17M-S, TW-84SB-S, TW-84SB-W, TW-11M-W, TW-11M-E, TW-11M-S, TW-11M-N.
- PCB and PESTICIDE are not mentioned the GW COC's however, I went off the below request and do have PEST and PCB logged for some of the samples.
- Once I sign off the login summaries will be sent to you – please confirm everything looks good, or if anything needs to be updated.

Best Regards,



Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com    

From: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Sent: Friday, August 1, 2025 11:03 AM
To: Jordan Hedvat <Jordan.Hedvat@AllianceTG.com>; Daniel Ligon <DLigon@firstenvironment.com>
Cc: Alfred Smith <asmith@firstenvironment.com>
Subject: RE: Bottleware Order - USACE018-44

Hi Daniel,

Bottle order delivery for today confirmed.

Best Regards,



Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com     

From: Jordan Hedvat <Jordan.Hedvat@alliancetg.com>
Sent: Friday, August 1, 2025 8:14 AM
To: Daniel Ligon <DLigon@firstenvironment.com>
Cc: Alfred Smith <asmith@firstenvironment.com>; Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Subject: Re: Bottleware Order - USACE018-44

Hi Daniel,

We will process the bottle order for delivery. Do you need TeraCore or Encores for VOC soil? If not we will provide jars for those tests as well. Please reach out if we can help with anything else.

Regards,

Jordan

Jordan Hedvat
Account Executive, Environmental Laboratories
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3144
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Daniel Ligon <DLigon@firstenvironment.com>
Sent: Thursday, July 31, 2025 4:53 PM
To: Jordan Hedvat <Jordan.Hedvat@alliancetg.com>
Cc: Alfred Smith <asmith@firstenvironment.com>
Subject: Bottleware Order - USACE018-44

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Hi Jordan – I have a bottleware order for some sampling we have next week in Long Island, NY. We'd like to have this delivered tomorrow if possible – sorry for the late email. First thing Monday morning would work as well for delivery to our office in Butler. See the following for # of samples we need with the parameters:

- 48x soil VOCs via EPA Method 8260
- 48x soil SVOCs via EPA Method 8270

- 8x soil Pesticides/PCBs via EPA Methods 8081/8082
- 8x soil TAL Metals (filtered and unfiltered)
- 48x groundwater VOCs via EPA Method 8260
- 48x groundwater SVOCs via EPA Method 8270
- 8x groundwater Pesticides/PCBs via EPA Methods 8081/8082
- 8x groundwater TAL Metals (filtered and unfiltered)
- 3 soil, 3 groundwater field duplicates
- 6 field blanks
- Trip blanks in every cooler

Let me know if this can be accommodated. Thanks!

Daniel Ligon
Environmental Specialist



First Environment, Inc.
10 Park Place, Bldg 1A, Suite 504
Butler, NJ 07405
Ph: 973-334-0003 ext. 224
Cell: 973-873-8515
DLigon@firstenvironment.com
www.firstenvironment.com

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2814 FIRS02

Order Date : 8/11/2025 10:31:02 AM

Project Mgr :

Client Name : First Environment, Inc.

Project Name : USACE018-44 DOD

Report Type : Level 4

Client Contact : Al Smith

Receive DateTime : ~~8/11/2025~~ 6:01:00 PM

EDD Type : EQUIS

Invoice Name : First Environment, Inc.

Purchase Order :

8/8/2025

Hard Copy Date :

Invoice Contact : Al Smith

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2814-01	TW-84SB-E	Water	08/05/2025	~~01:52~~ 01:32	VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2814-02	TW-17M-N	Water	08/05/2025	05:17	VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2814-03	TW-17M-W	Water	08/05/2025	04:51	VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2814-04	TW-82H-N	Water	08/06/2025	02:00	VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2814-05	TW-82H-E	Water	08/06/2025	12:30	VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2814-06	TW-82H-S	Water	08/06/2025	01:00	VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2814-07	TW-82H-W	Water	08/06/2025	01:15	VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2814-08	TW-38M-E	Water	08/06/2025	10:49					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2814	FIRS02	Order Date : 8/11/2025 10:31:02 AM	Project Mgr :
Client Name : First Environment, Inc.		Project Name : USACE018-44 DOD	Report Type : Level 4
Client Contact : Al Smith		Receive DateTime : ~~8/11/2025~~ 6:01:00 PM	EDD Type : EQUIS
Invoice Name : First Environment, Inc.		Purchase Order : 8/8/2025	Hard Copy Date :
Invoice Contact : Al Smith			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2814-09	TW-38M-W	Water	08/06/2025	10:33	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-10	TW-38M-N	Water	08/06/2025	~~12:10~~ 10:10	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-11	TW-38M-S	Water	08/06/2025	09:46	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-12	TW-BP-S	Water	08/04/2025	18:10	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-13	TW-BP-N	Water	08/04/2025	18:10	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-14	TW-BP-E	Water	08/04/2025	17:35	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-15	TW-BP-W	Water	08/04/2025	16:40	VOC-TCLVOA-10		8260-Low	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2814	FIRS02	Order Date : 8/11/2025 10:31:02 AM	Project Mgr :
Client Name : First Environment, Inc.		Project Name : USACE018-44 DOD	Report Type : Level 4
Client Contact : Al Smith		Receive DateTime : ~~8/11/2025~~ 6:01:00 PM	EDD Type : EQUIS
Invoice Name : First Environment, Inc.		Purchase Order : 8/8/2025	Hard Copy Date :
Invoice Contact : Al Smith			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2814-16	FB	Water	08/04/2025	18:10					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-17	~~TW-518R-S~~ TW-518R-S	Water	08/05/2025	10:27					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-18	TW-518R-N	Water	08/05/2025	10:37					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-19	TW-518R-E	Water	08/05/2025	10:47					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-20	TW-518R-W	Water	08/05/2025	10:57					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q2814-21	TB	Water	08/08/2025	00:00					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2814	FIRS02	Order Date : 8/11/2025 10:31:02 AM	Project Mgr :
Client Name : First Environment, Inc.		Project Name : USACE018-44 DOD	Report Type : Level 4
Client Contact : Al Smith		Receive DateTime : ~~8/11/2025~~ 6:01:00 PM	EDD Type : EQUIS
Invoice Name : First Environment, Inc.		Purchase Order : 8/8/2025	Hard Copy Date :
Invoice Contact : Al Smith			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

*shared in WA
Ref # 04*

Relinquished By :

Date / Time :

Al Smith
8/11/25 11:56

Received By :

Date / Time :

Wm D. Adol
8/11/25 12:05 pm

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

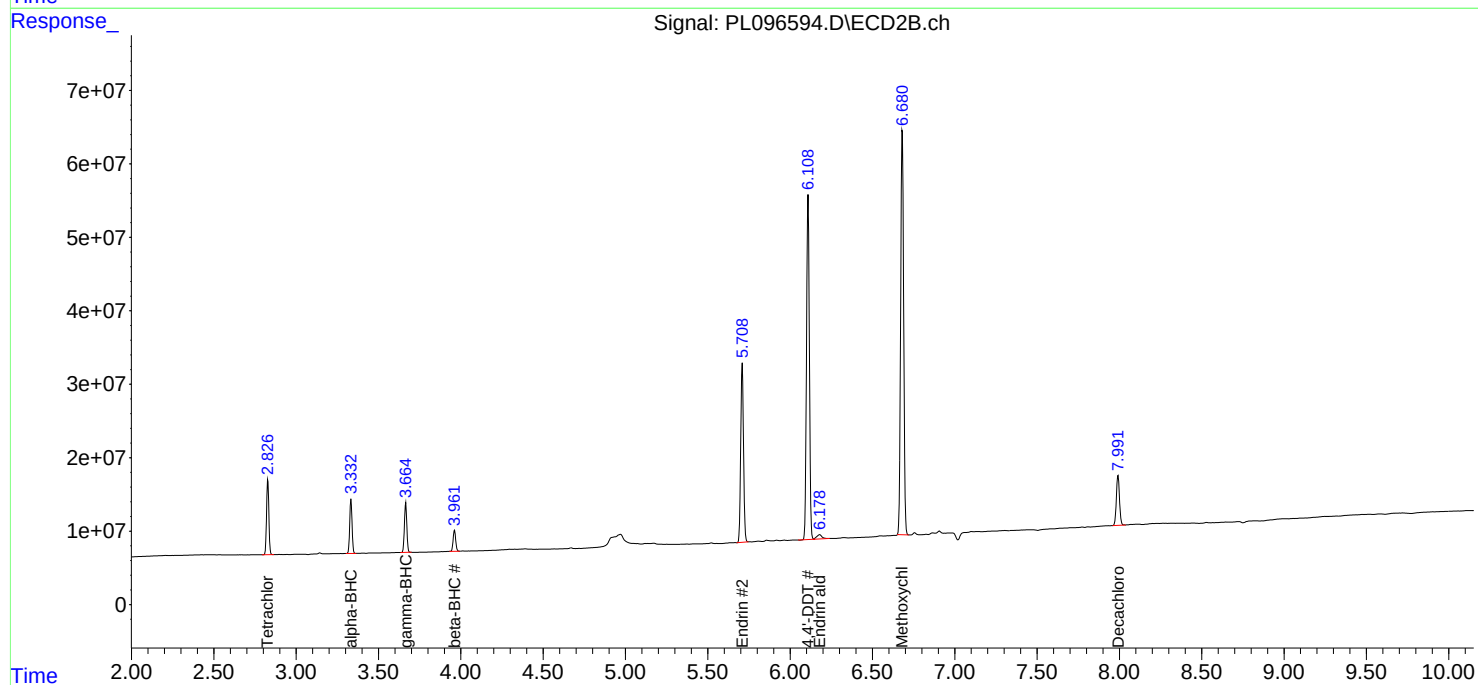
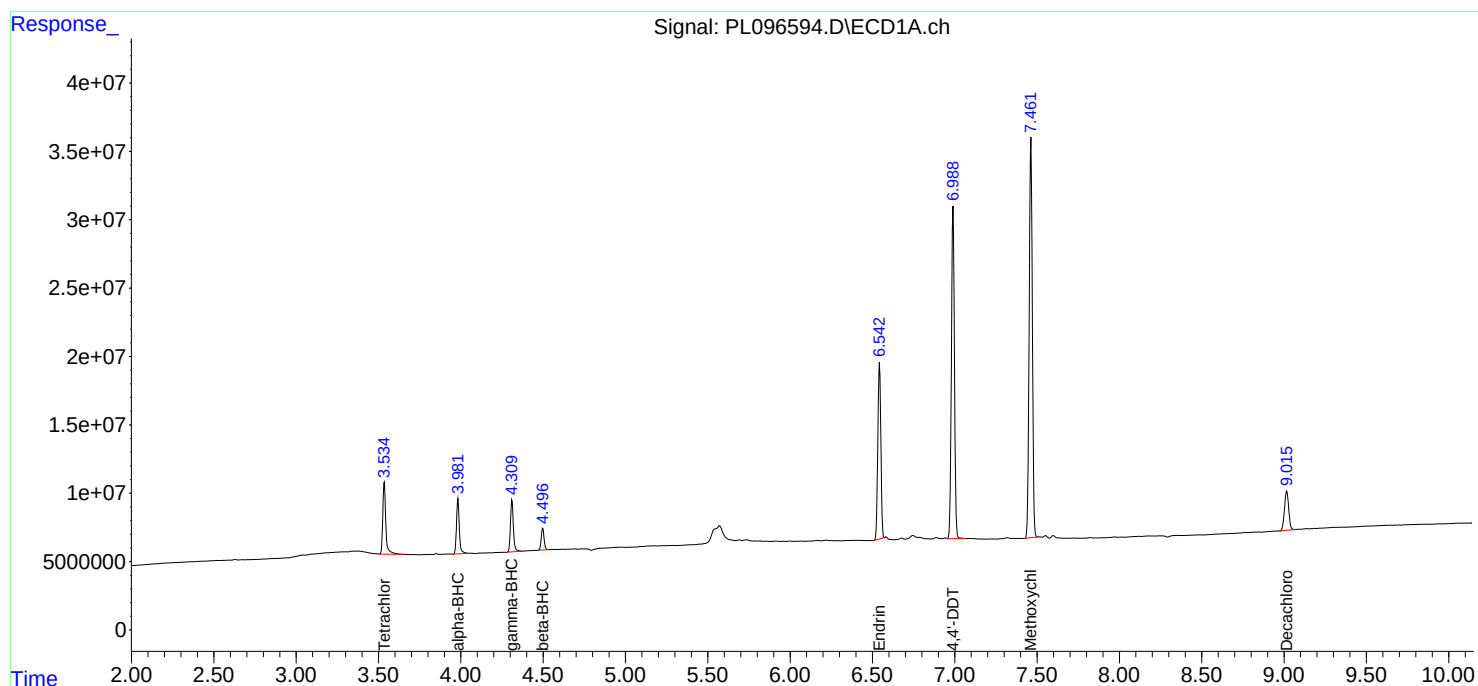
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

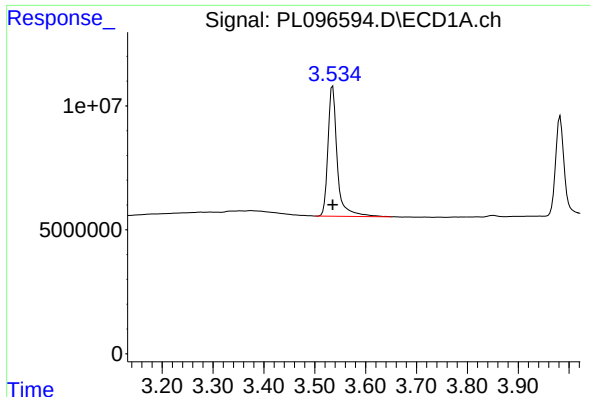
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:25
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

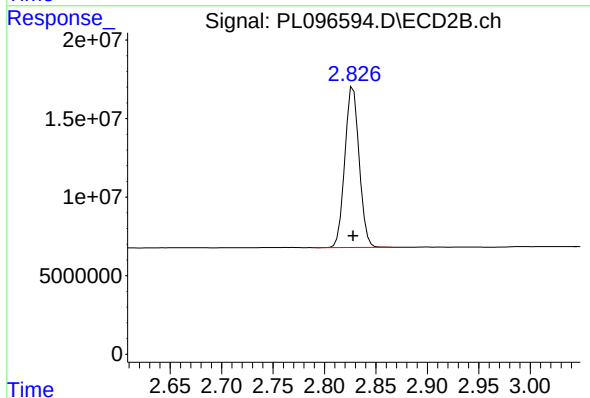




#1 Tetrachloro-m-xylene

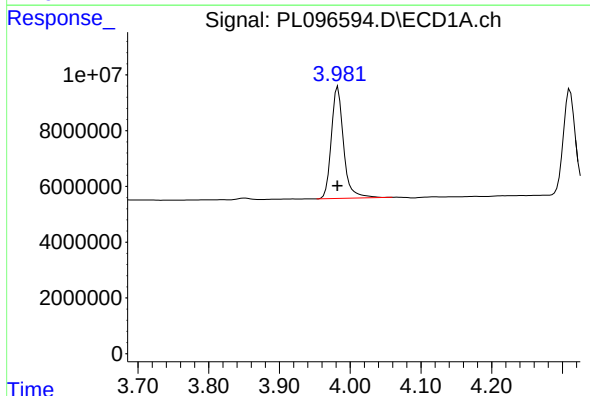
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 66676938
Conc: 20.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



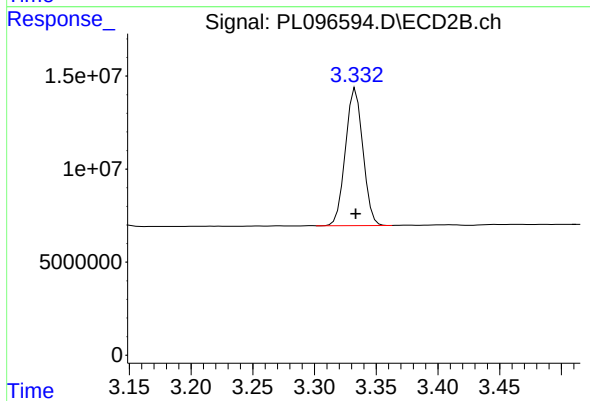
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 99261210
Conc: 20.78 ng/ml



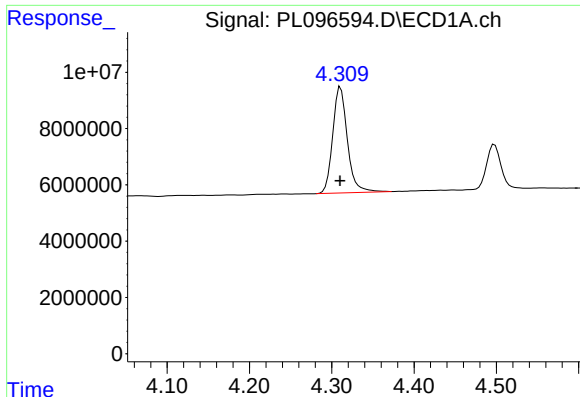
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 48281852
Conc: 10.44 ng/ml



#2 alpha-BHC

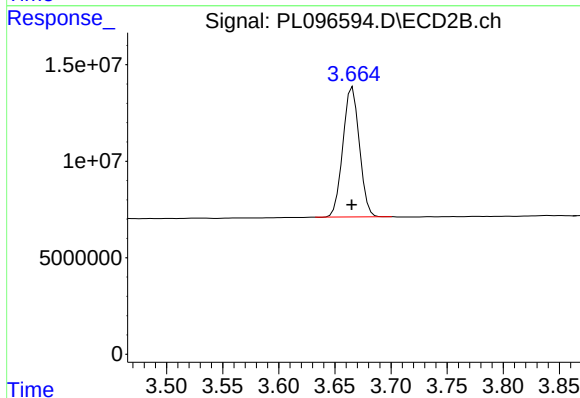
R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 72680702
Conc: 10.27 ng/ml



#3 gamma-BHC (Lindane)

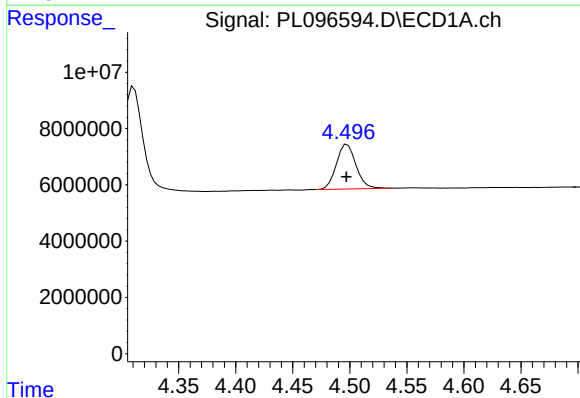
R.T.: 4.311 min
Delta R.T.: 0.000 min
Response: 46672698
Conc: 10.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



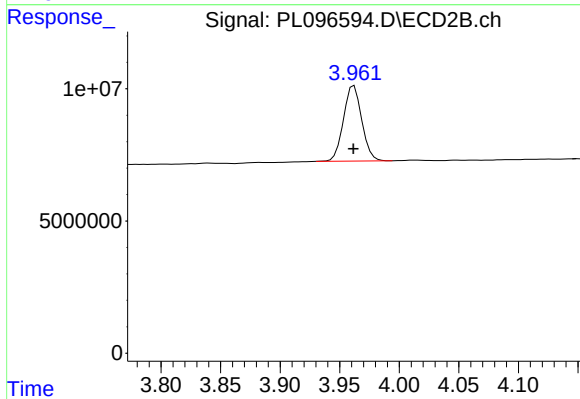
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 68921884
Conc: 10.44 ng/ml



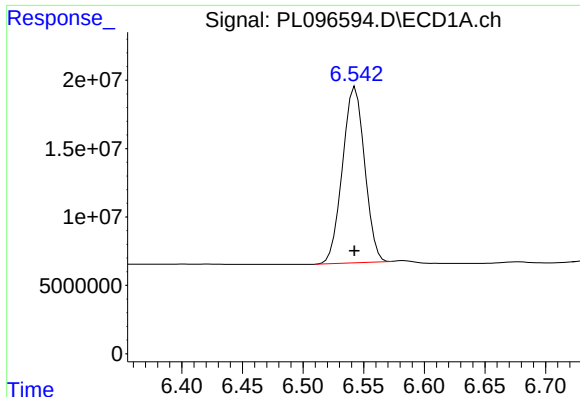
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 18987747
Conc: 10.52 ng/ml



#6 beta-BHC

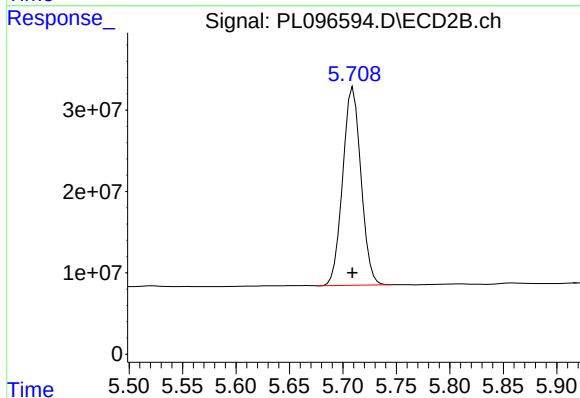
R.T.: 3.962 min
Delta R.T.: 0.000 min
Response: 30564619
Conc: 10.84 ng/ml



#14 Endrin

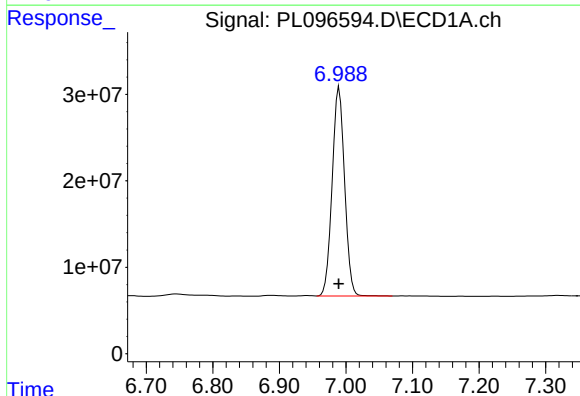
R.T.: 6.543 min
Delta R.T.: 0.000 min
Response: 163494961
Conc: 54.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



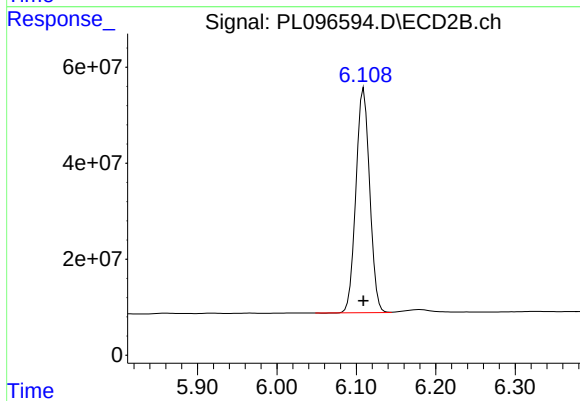
#14 Endrin

R.T.: 5.710 min
Delta R.T.: 0.000 min
Response: 289935231
Conc: 53.63 ng/ml



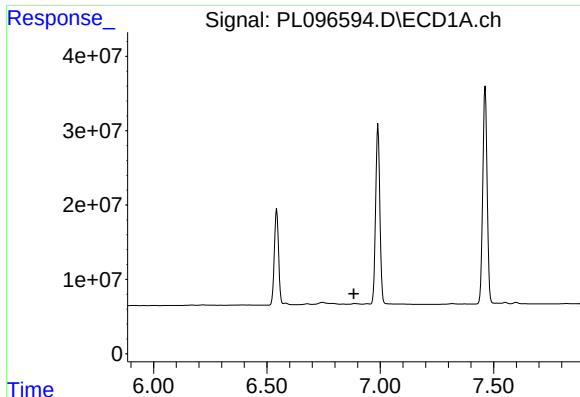
#17 4,4'-DDT

R.T.: 6.990 min
Delta R.T.: 0.000 min
Response: 314003596
Conc: 109.50 ng/ml



#17 4,4'-DDT

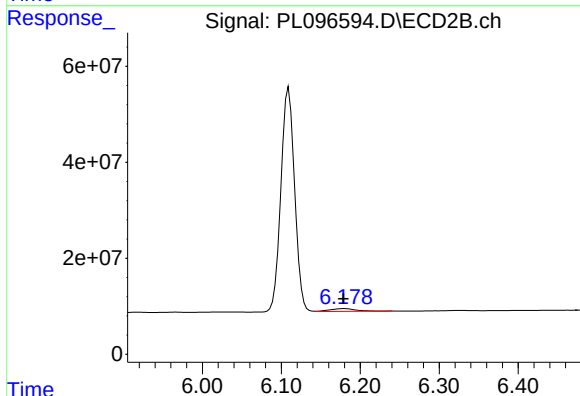
R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 562525716
Conc: 111.21 ng/ml



#18 Endrin aldehyde

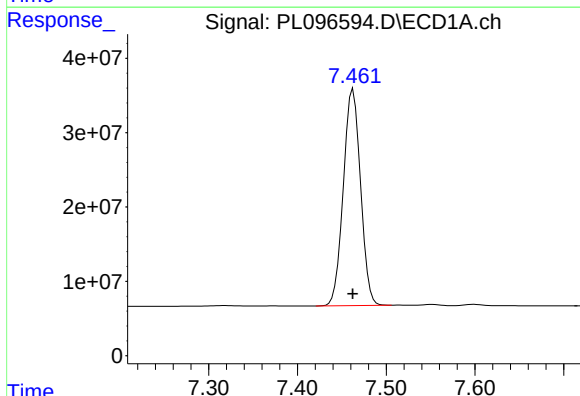
R.T.: 0.000 min
Exp R.T.: 6.884 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



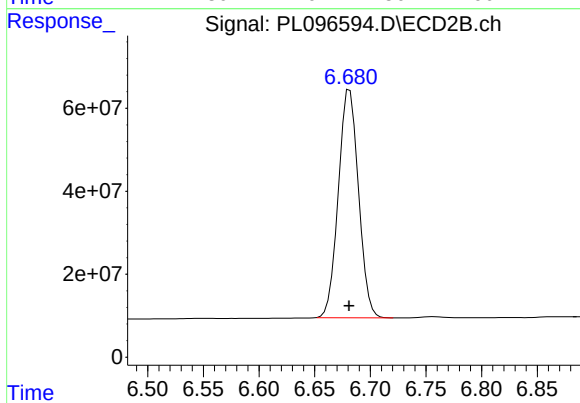
#18 Endrin aldehyde

R.T.: 6.180 min
Delta R.T.: 0.001 min
Response: 12998853
Conc: 0.22 ng/ml



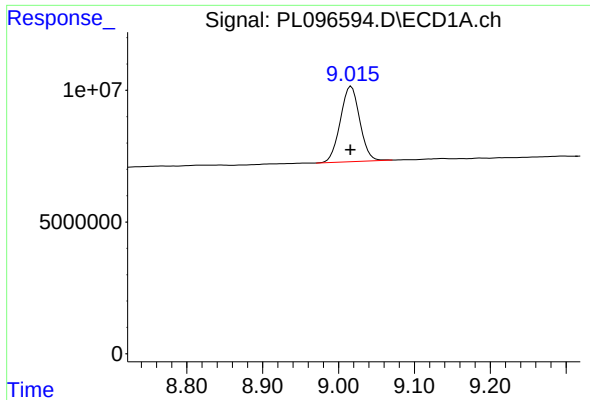
#20 Methoxychlor

R.T.: 7.463 min
Delta R.T.: 0.000 min
Response: 392347777
Conc: 267.20 ng/ml



#20 Methoxychlor

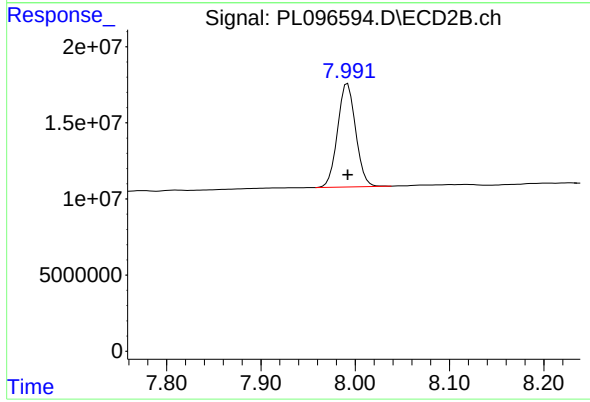
R.T.: 6.682 min
Delta R.T.: 0.000 min
Response: 694139453
Conc: 253.29 ng/ml



#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 #

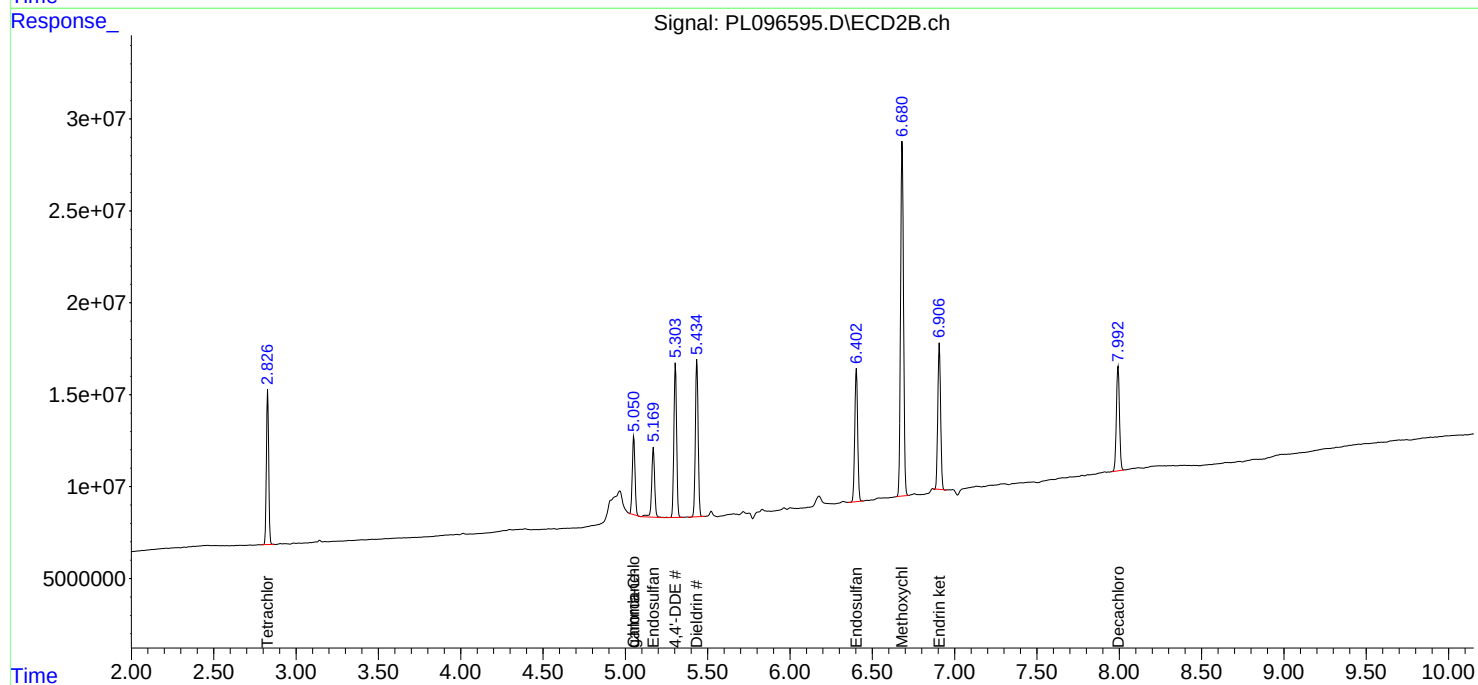
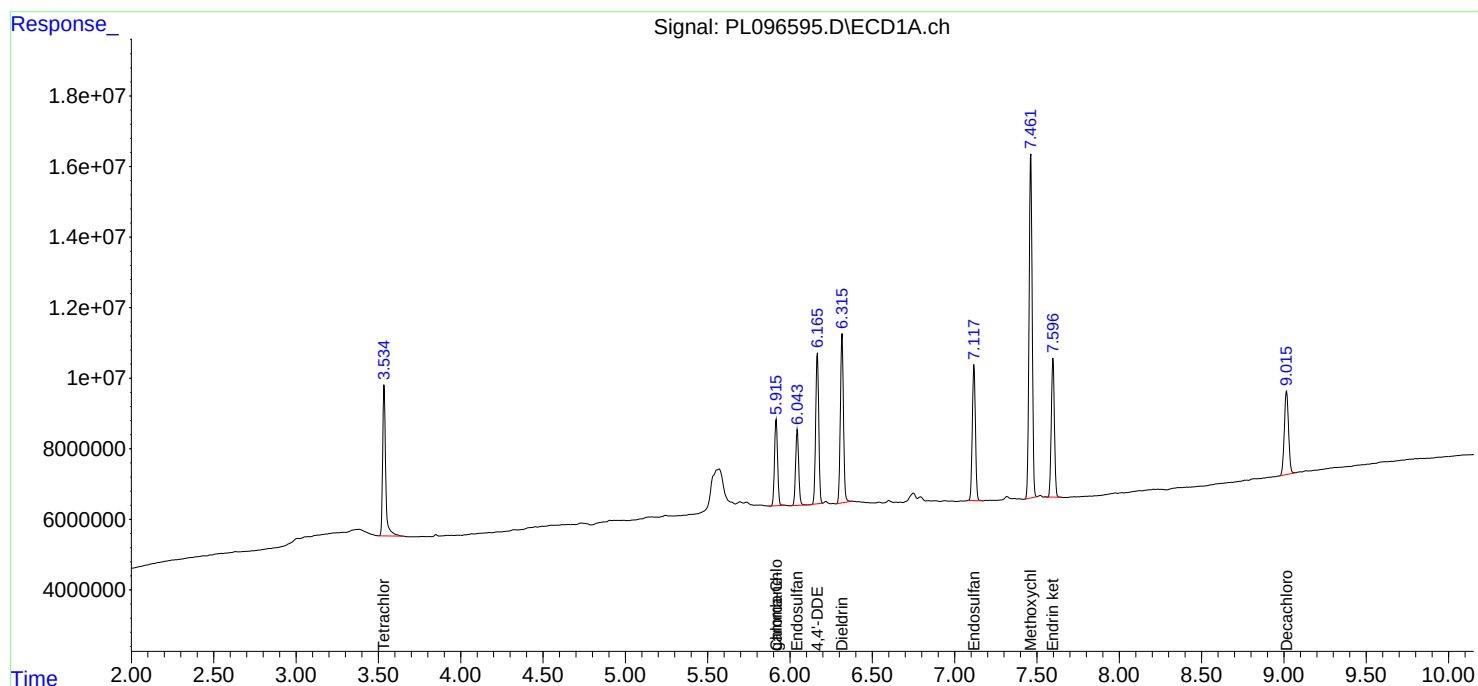
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

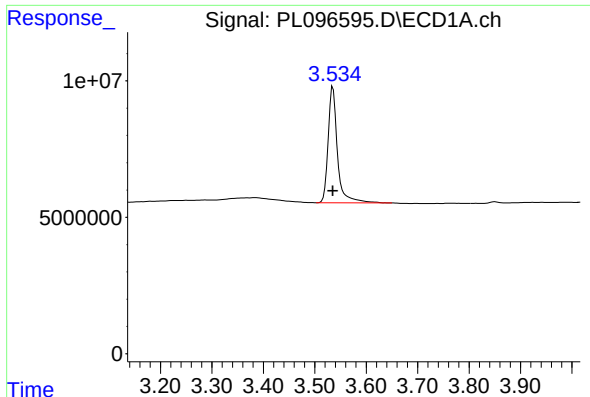
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 16:38
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

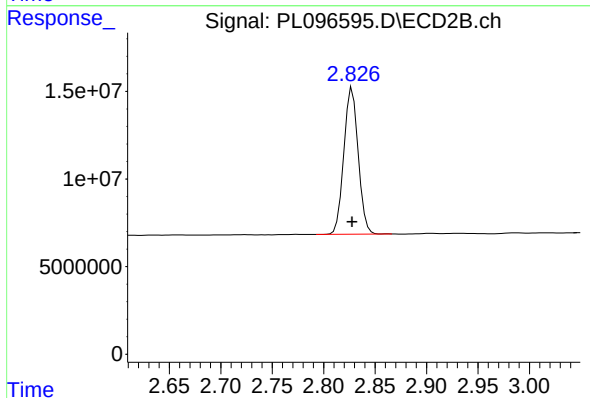




#1 Tetrachloro-m-xylene

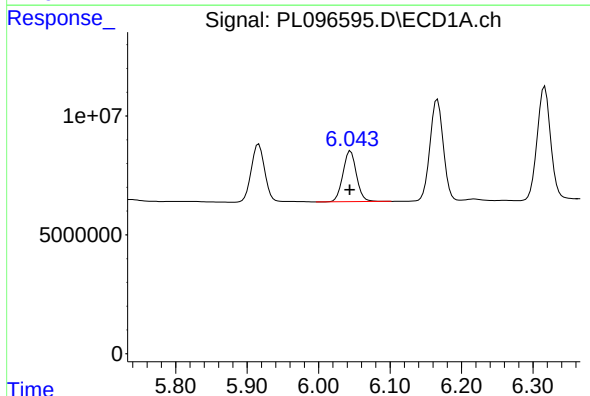
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 53837096
Conc: 16.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



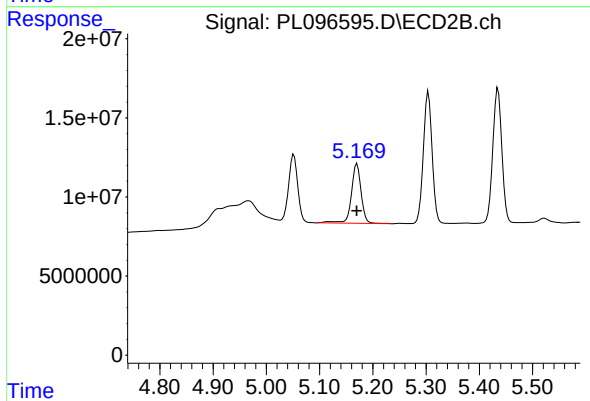
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 81066871
Conc: 16.97 ng/ml



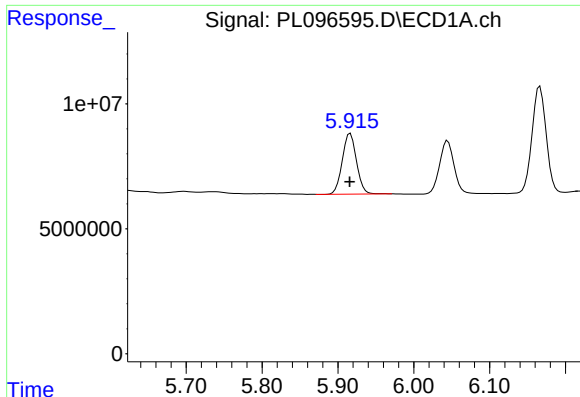
#9 Endosulfan I

R.T.: 6.045 min
Delta R.T.: 0.001 min
Response: 28022040
Conc: 7.79 ng/ml



#9 Endosulfan I

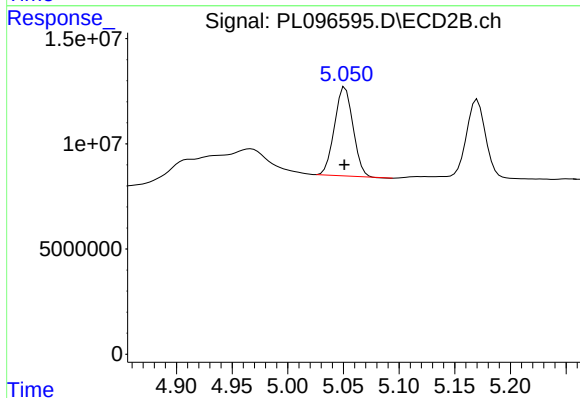
R.T.: 5.170 min
Delta R.T.: 0.000 min
Response: 48036256
Conc: 8.68 ng/ml



#10 gamma-Chlordane

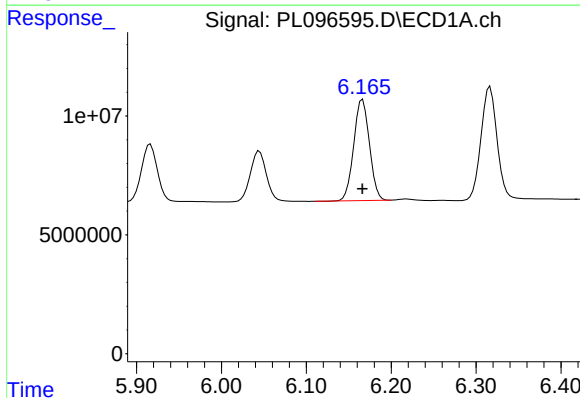
R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 31638592
Conc: 8.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



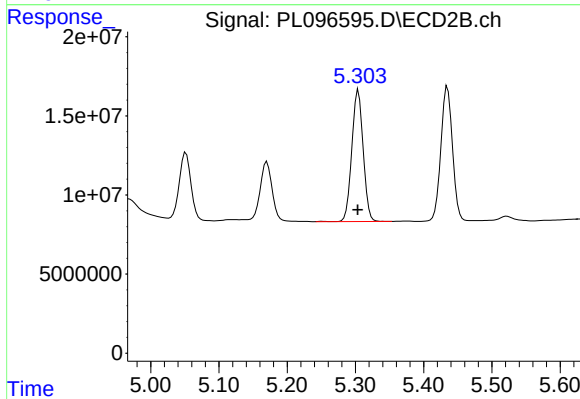
#10 gamma-Chlordane

R.T.: 5.052 min
Delta R.T.: 0.000 min
Response: 48929496
Conc: 8.32 ng/ml



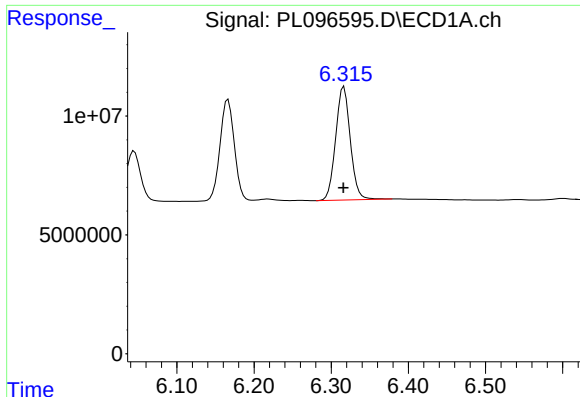
#12 4,4'-DDE

R.T.: 6.166 min
Delta R.T.: 0.000 min
Response: 54660848
Conc: 17.02 ng/ml



#12 4,4'-DDE

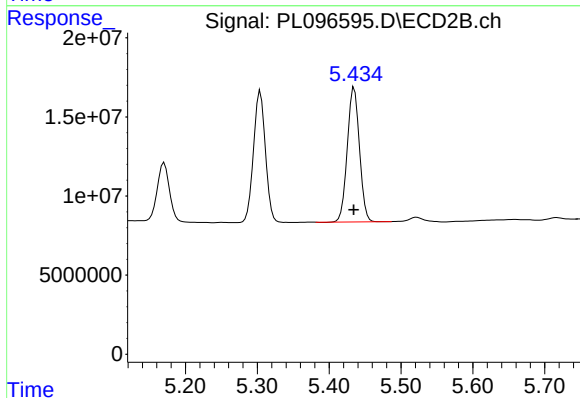
R.T.: 5.304 min
Delta R.T.: 0.000 min
Response: 96001382
Conc: 17.41 ng/ml



#13 Dieldrin

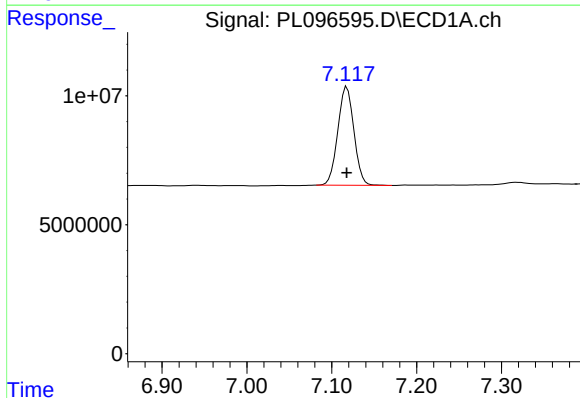
R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 63095073
Conc: 17.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



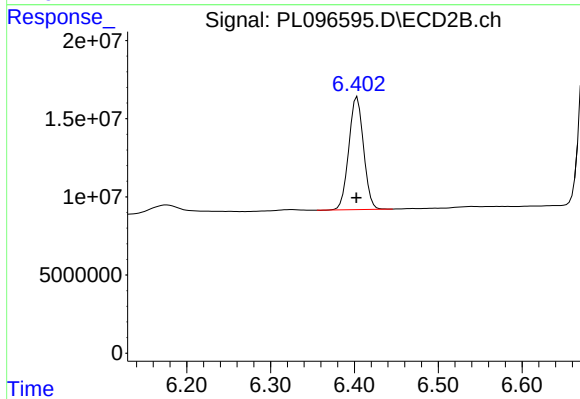
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: 0.000 min
Response: 99918926
Conc: 16.92 ng/ml



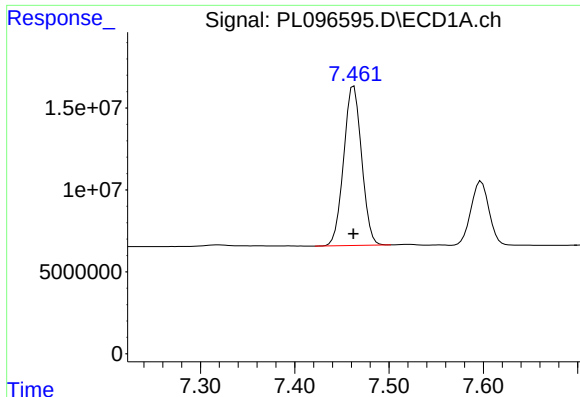
#19 Endosulfan Sulfate

R.T.: 7.118 min
Delta R.T.: 0.000 min
Response: 50325612
Conc: 17.51 ng/ml



#19 Endosulfan Sulfate

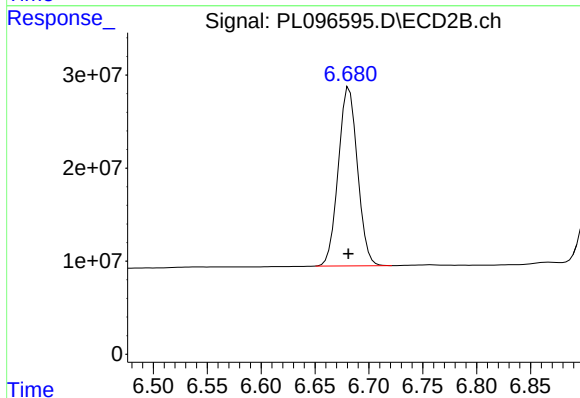
R.T.: 6.403 min
Delta R.T.: 0.001 min
Response: 88476396
Conc: 17.40 ng/ml



#20 Methoxychlor

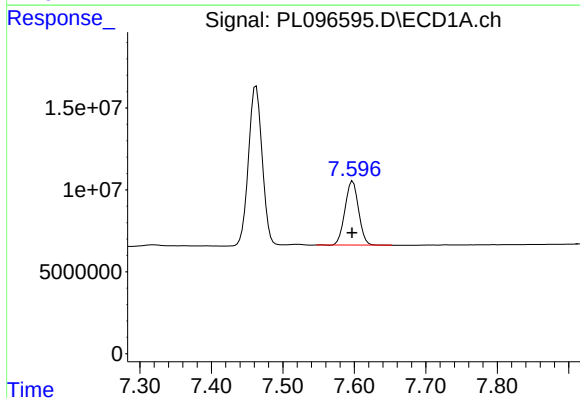
R.T.: 7.463 min
Delta R.T.: 0.000 min
Response: 128897891
Conc: 87.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



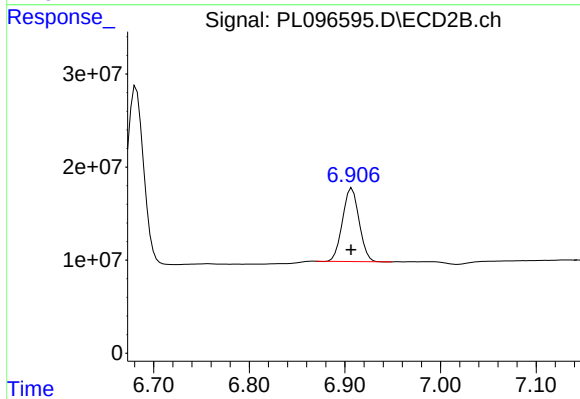
#20 Methoxychlor

R.T.: 6.682 min
Delta R.T.: 0.000 min
Response: 238424041
Conc: 87.00 ng/ml



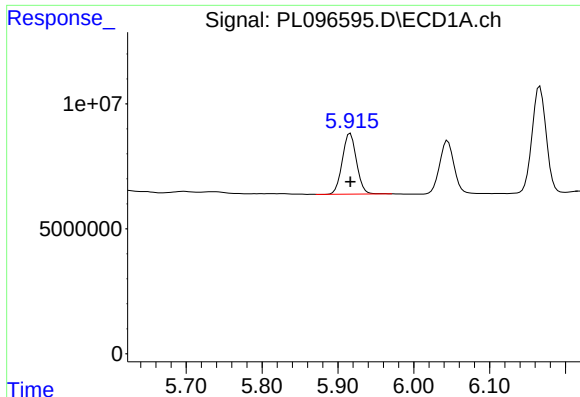
#21 Endrin ketone

R.T.: 7.598 min
Delta R.T.: 0.000 min
Response: 51693529
Conc: 17.19 ng/ml



#21 Endrin ketone

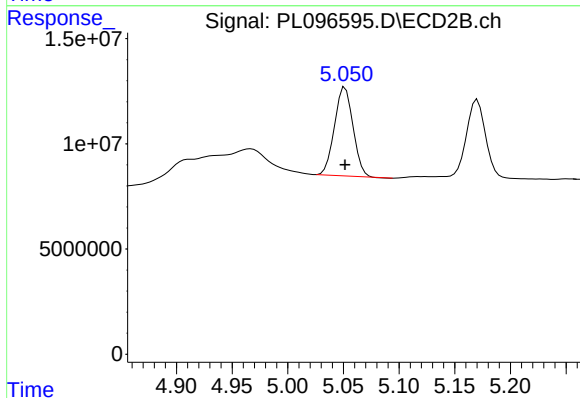
R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 95186865
Conc: 17.09 ng/ml



#25 Chlordane-3

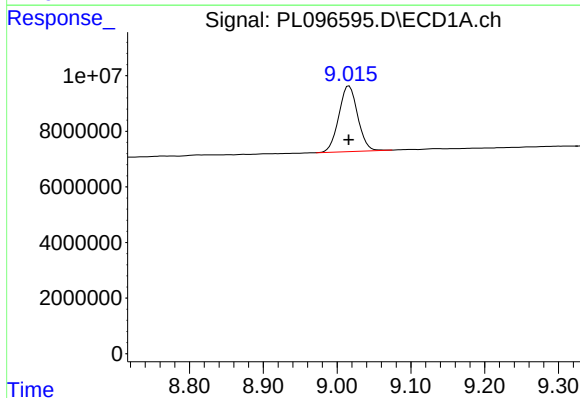
R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 31638592
Conc: 47.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



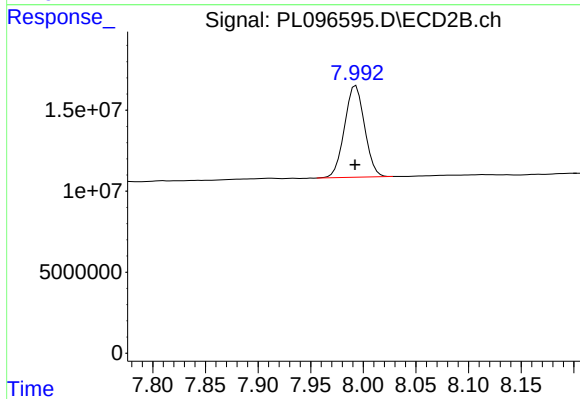
#25 Chlordane-3

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

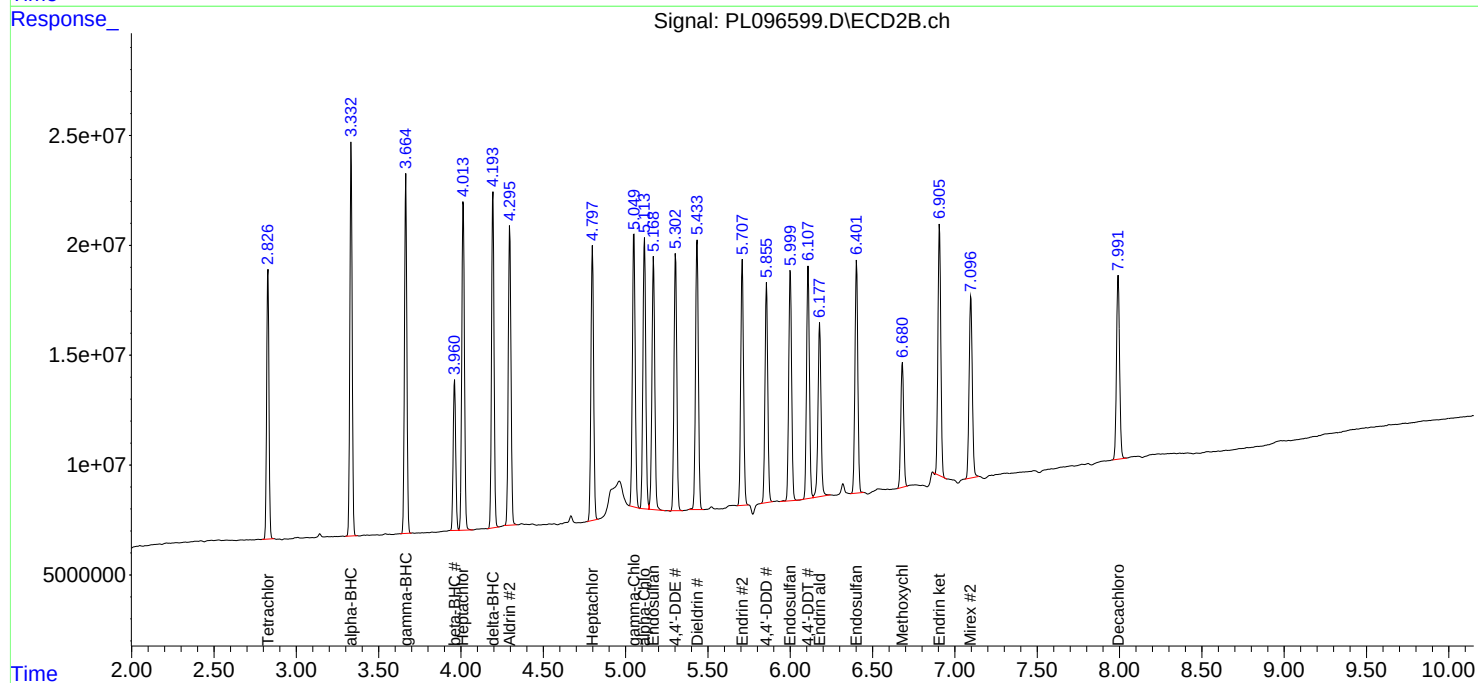
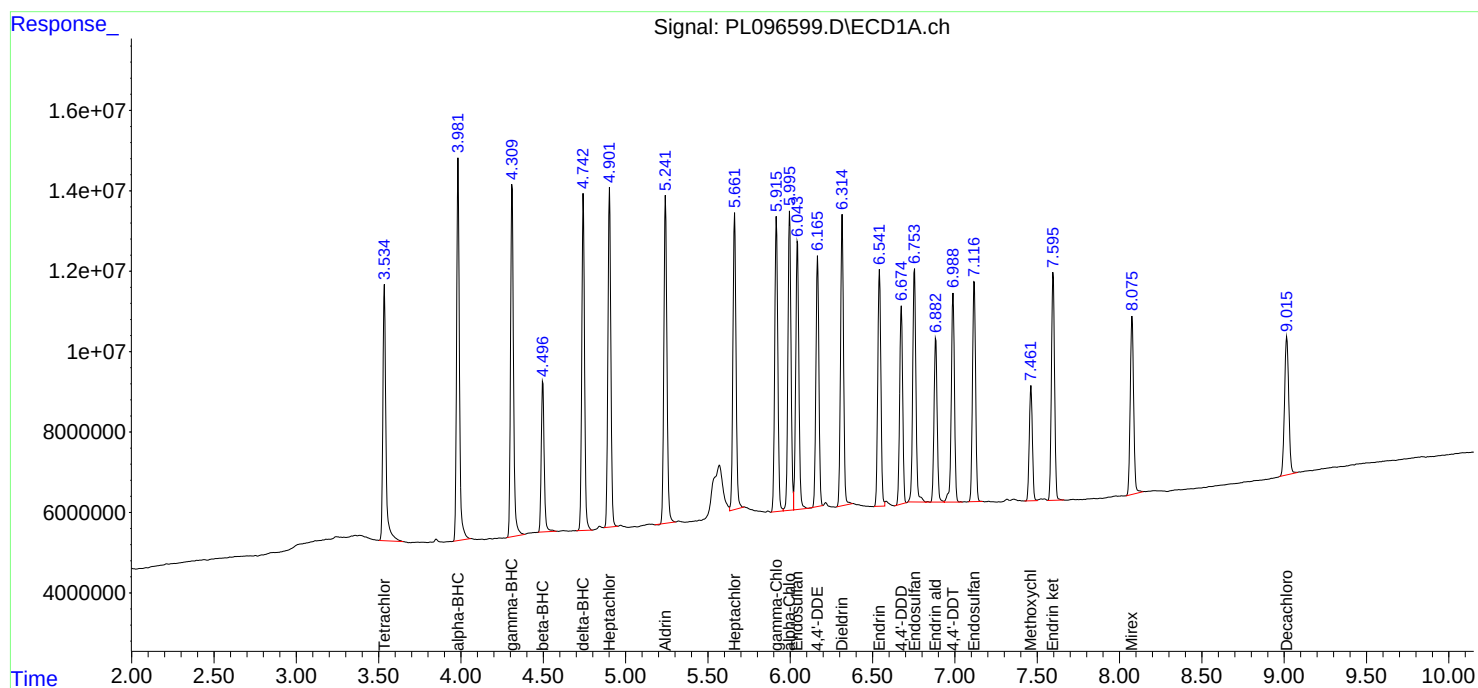
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

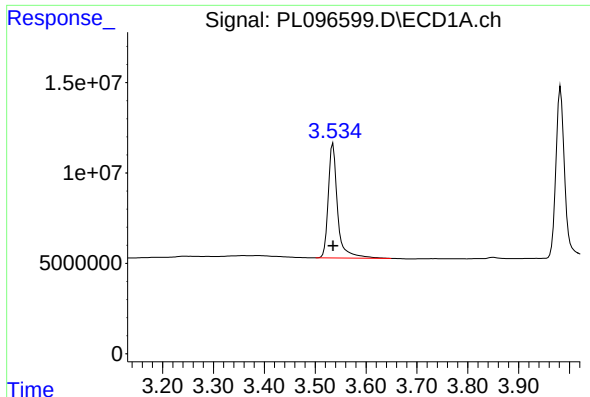
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:33
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

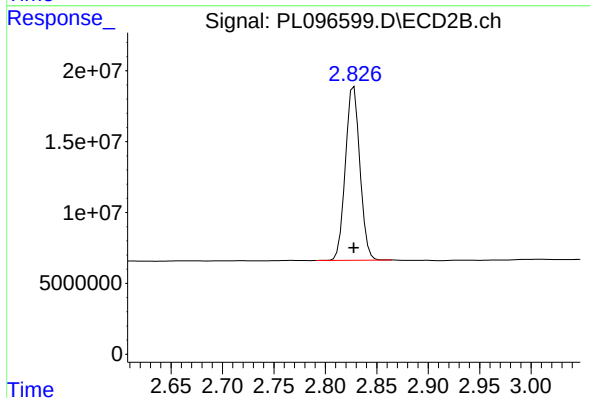




#1 Tetrachloro-m-xylene

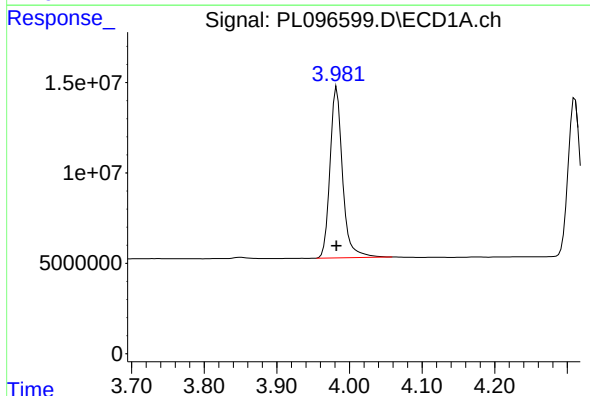
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 80667083
Conc: 25.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



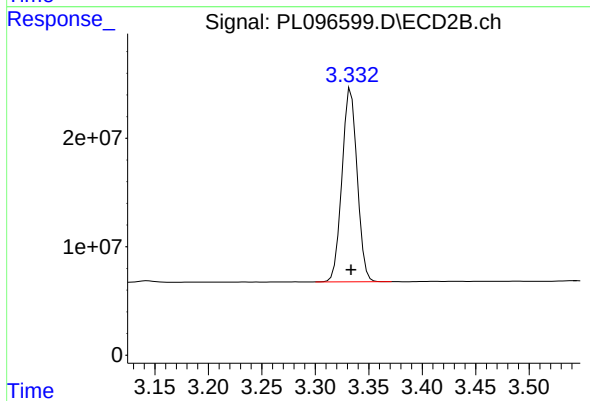
#1 Tetrachloro-m-xylene

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



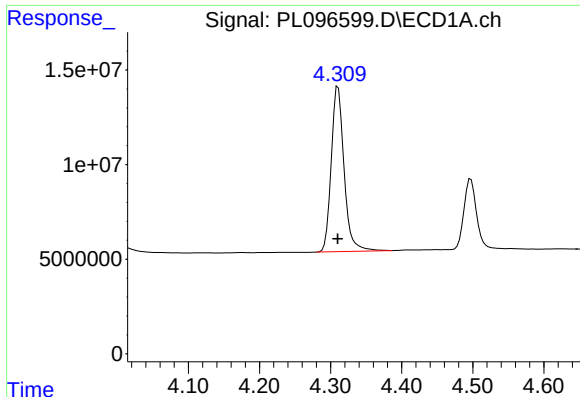
#2 alpha-BHC

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



#2 alpha-BHC

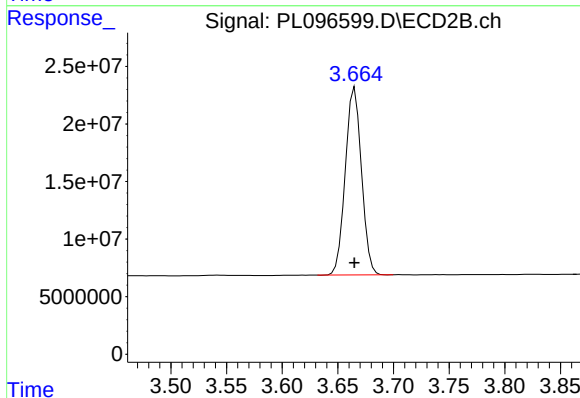
R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 176134463
Conc: 24.68 ng/ml



#3 gamma-BHC (Lindane)

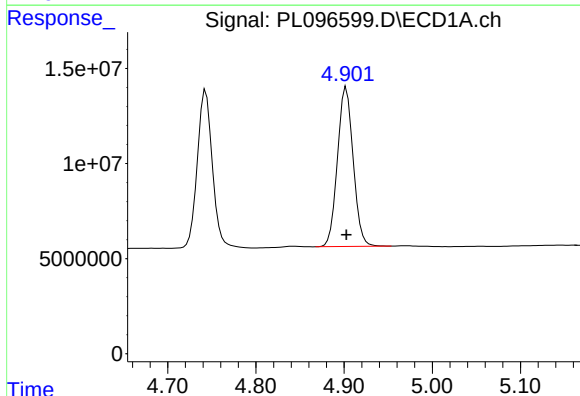
R.T.: 4.311 min
Delta R.T.: 0.000 min
Response: 109455262
Conc: 24.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



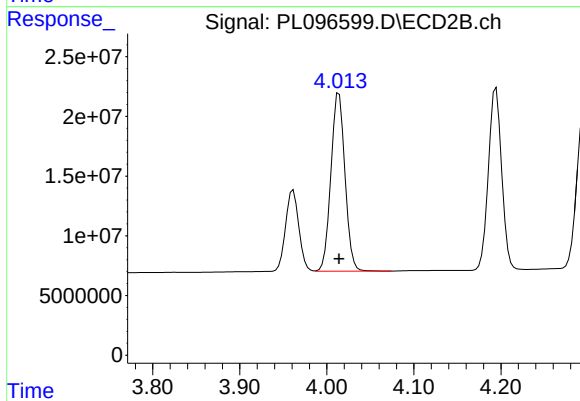
#3 gamma-BHC (Lindane)

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



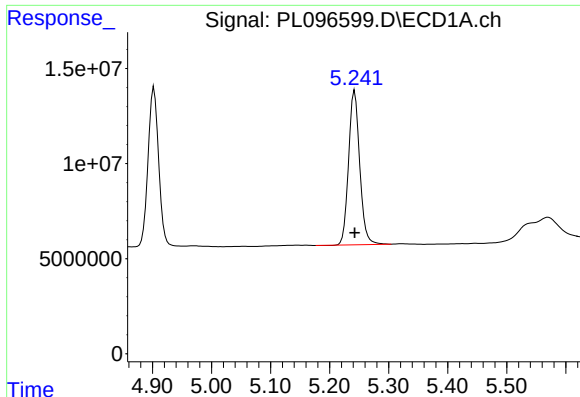
#4 Heptachlor

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



#4 Heptachlor

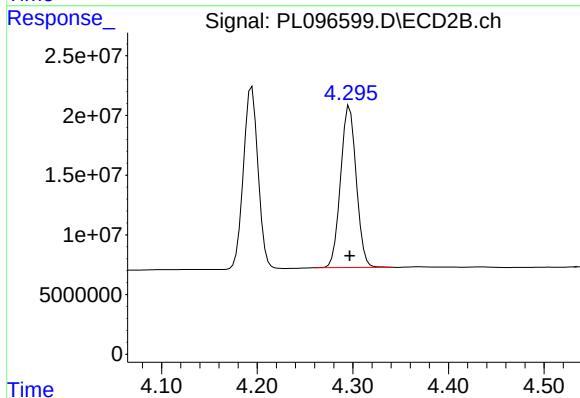
R.T.: 4.014 min
Delta R.T.: 0.000 min
Response: 167381908
Conc: 25.14 ng/ml



#5 Aldrin

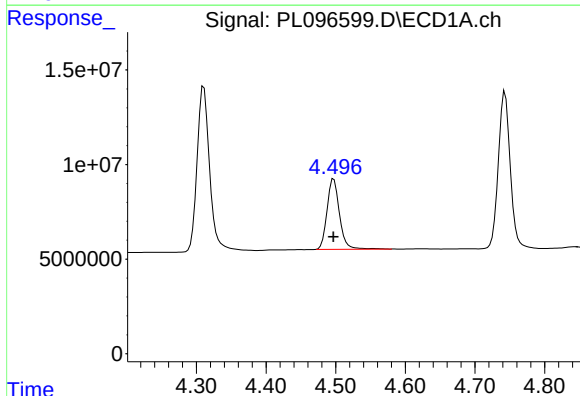
R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 106077325
Conc: 24.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



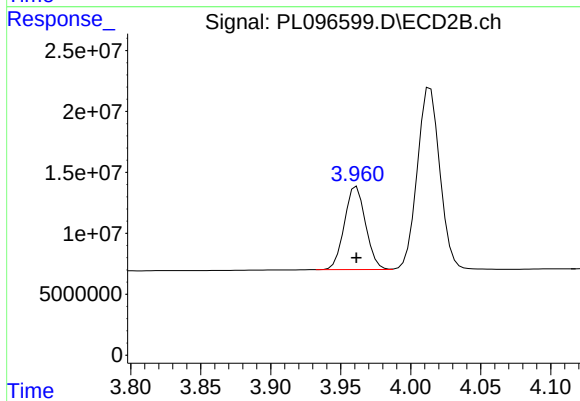
#5 Aldrin

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



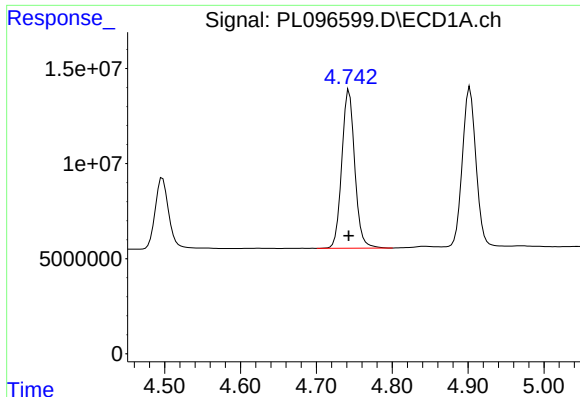
#6 beta-BHC

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



#6 beta-BHC

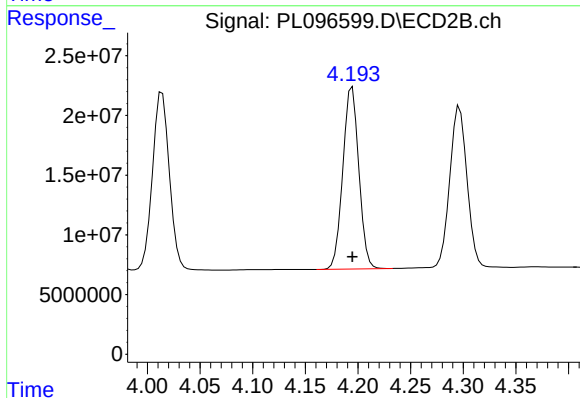
R.T.: 3.961 min
Delta R.T.: 0.000 min
Response: 71835591
Conc: 25.81 ng/ml



#7 delta-BHC

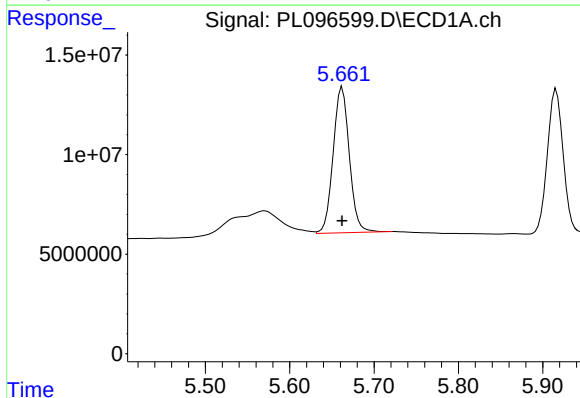
R.T.: 4.743 min
Delta R.T.: 0.000 min
Response: 98875722
Conc: 24.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



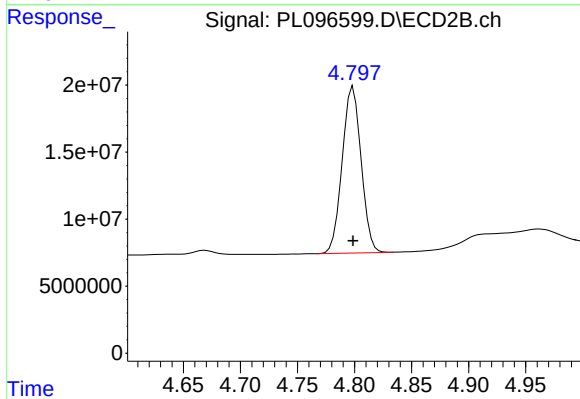
#7 delta-BHC

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



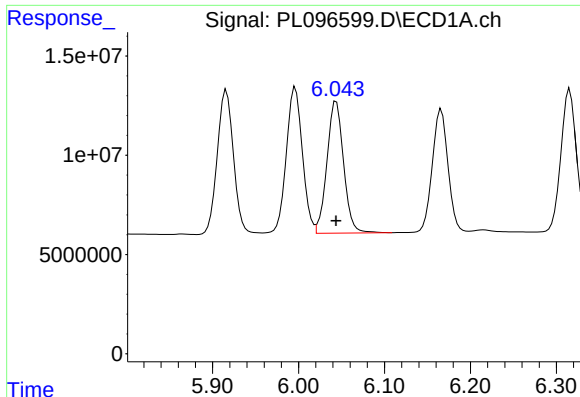
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

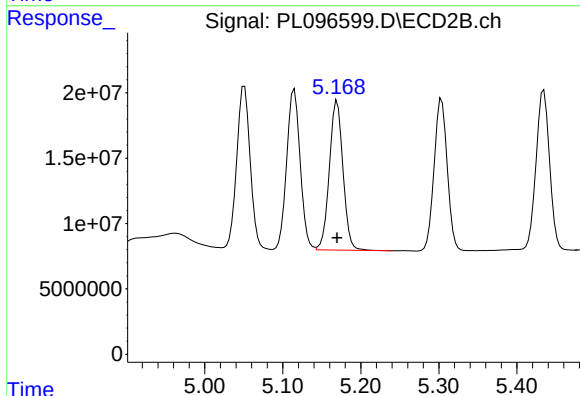
R.T.: 4.799 min
Delta R.T.: 0.000 min
Response: 143274077
Conc: 25.14 ng/ml



#9 Endosulfan I

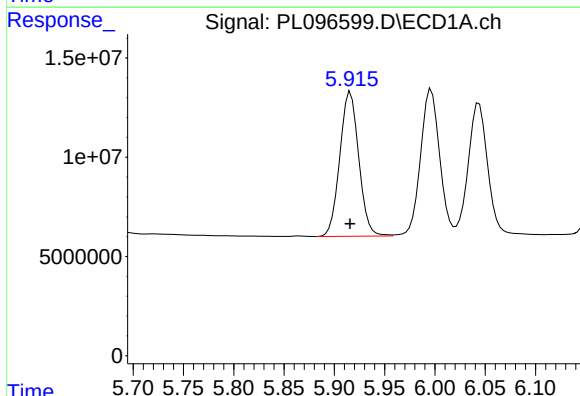
R.T.: 6.044 min
Delta R.T.: 0.000 min
Response: 89274310
Conc: 25.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



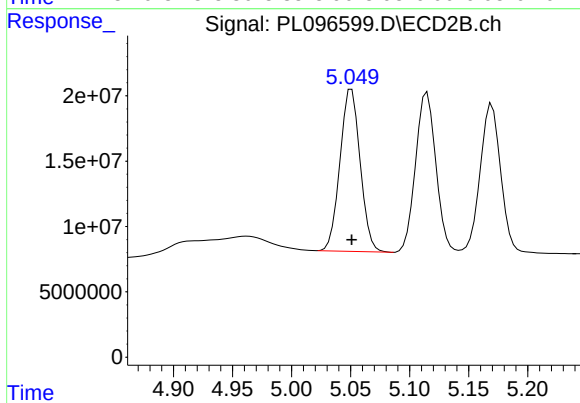
#9 Endosulfan I

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



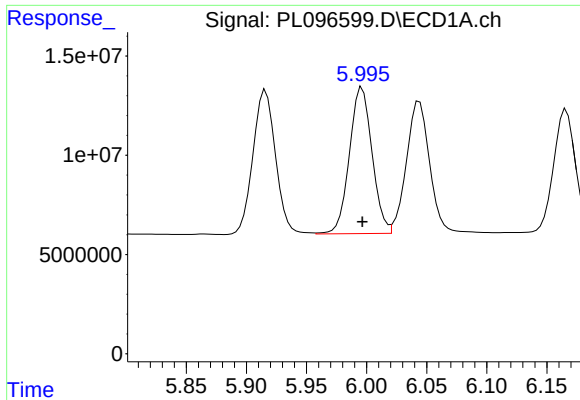
#10 gamma-Chlordane

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



#10 gamma-Chlordane

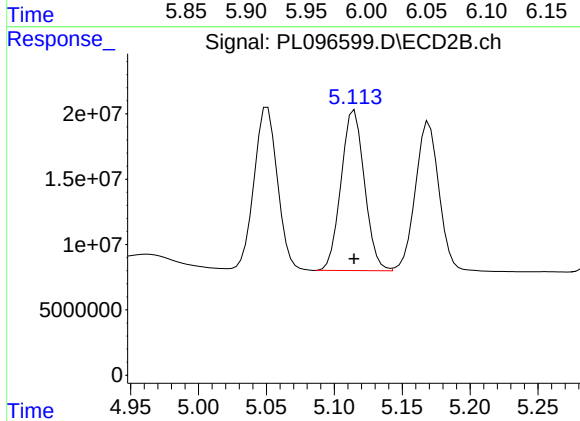
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 147883477
Conc: 25.07 ng/ml



#11 alpha-Chlordane

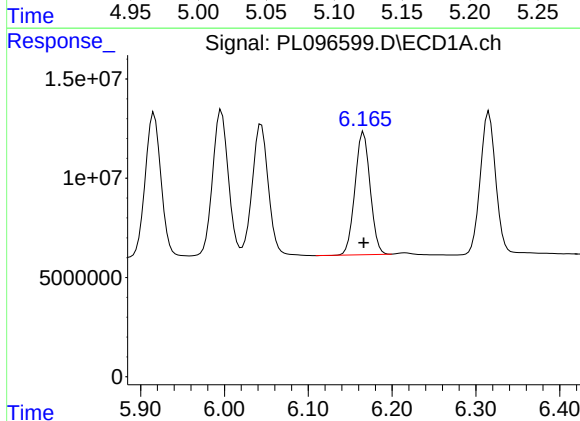
R.T.: 5.996 min
Delta R.T.: 0.000 min
Response: 96944619
Conc: 25.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



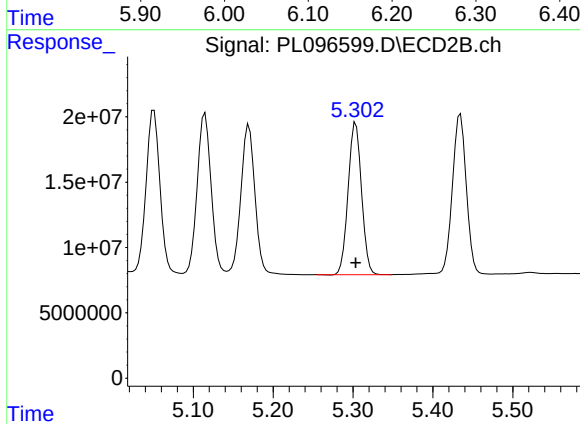
#11 alpha-Chlordane

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



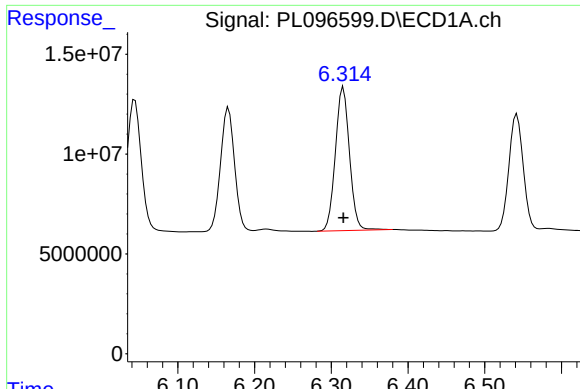
#12 4,4'-DDE

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



#12 4,4'-DDE

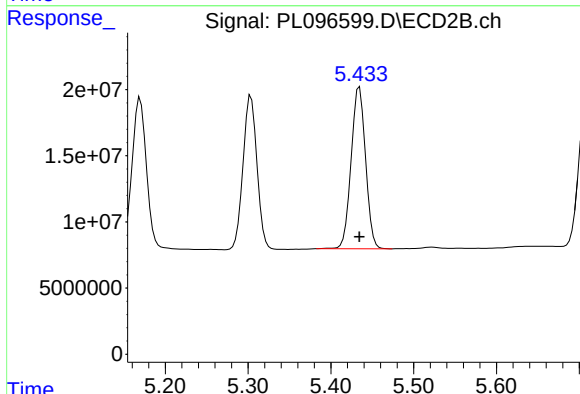
R.T.: 5.303 min
Delta R.T.: 0.000 min
Response: 135946511
Conc: 24.54 ng/ml



#13 Dieldrin

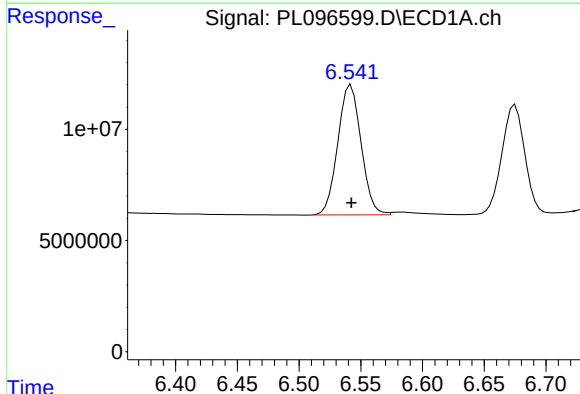
R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 91962286
Conc: 24.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



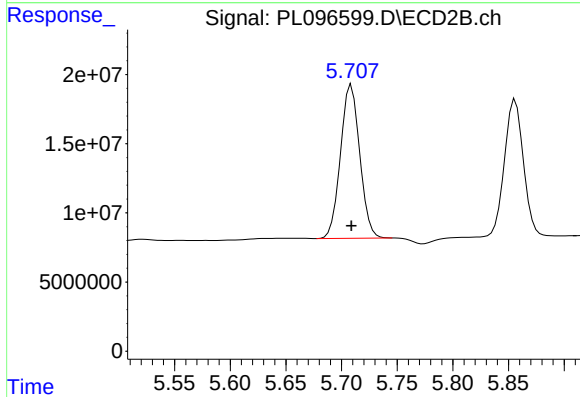
#13 Dieldrin

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



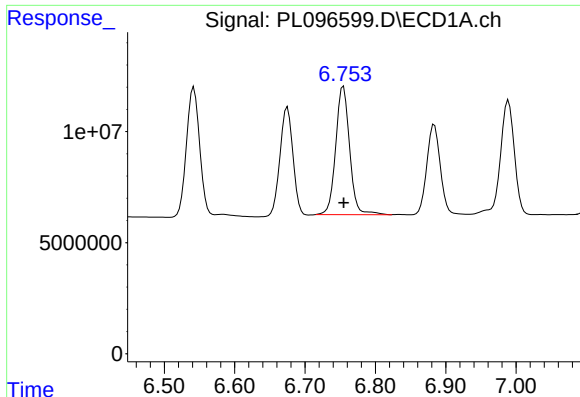
#14 Endrin

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



#14 Endrin

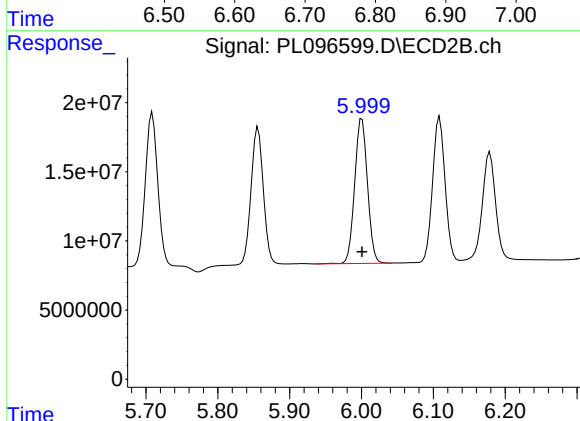
R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 133610110
Conc: 24.85 ng/ml



#15 Endosulfan II

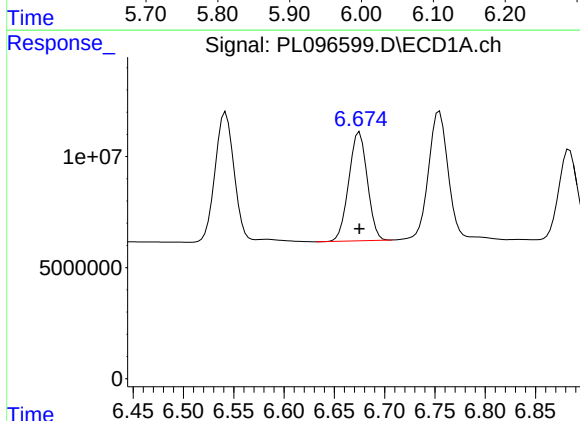
R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 79391270
Conc: 26.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



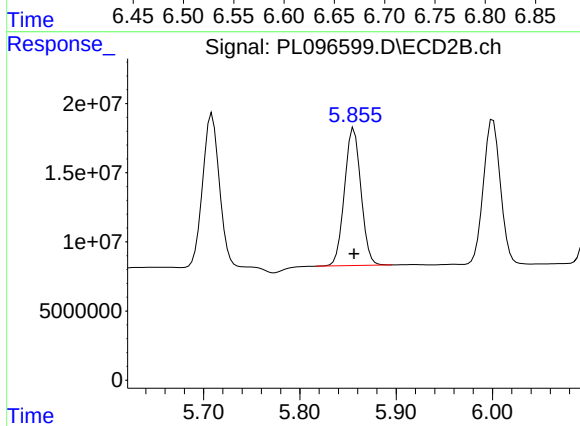
#15 Endosulfan II

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



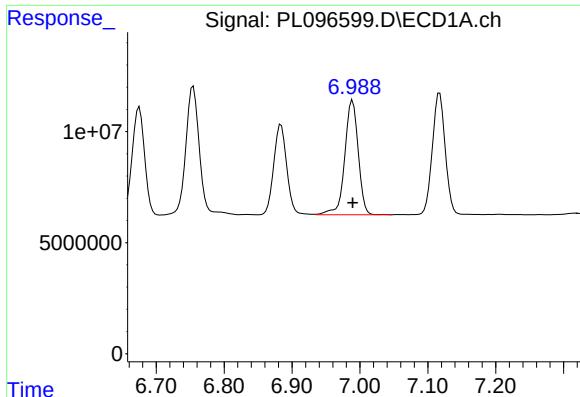
#16 4,4'-DDD

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



#16 4,4'-DDD

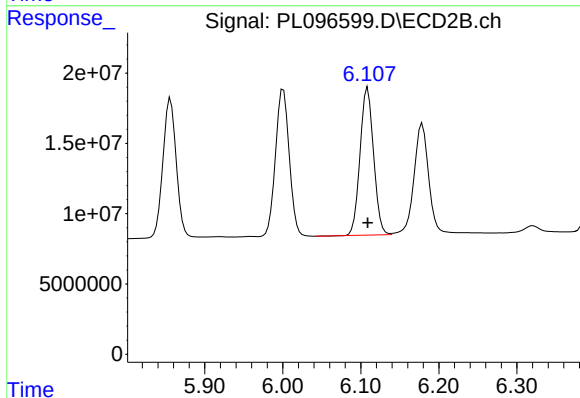
R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 117568590
Conc: 25.05 ng/ml



#17 4,4'-DDT

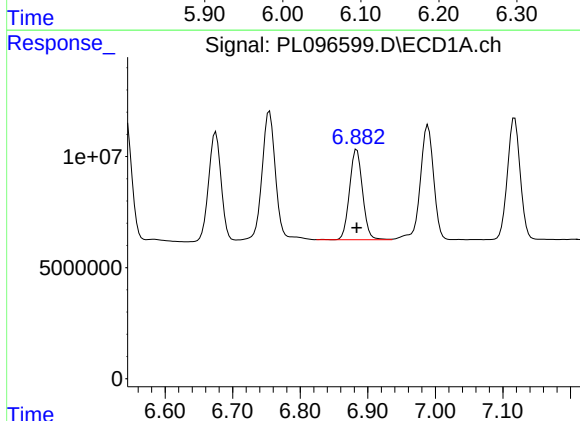
R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 70933756
Conc: 24.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



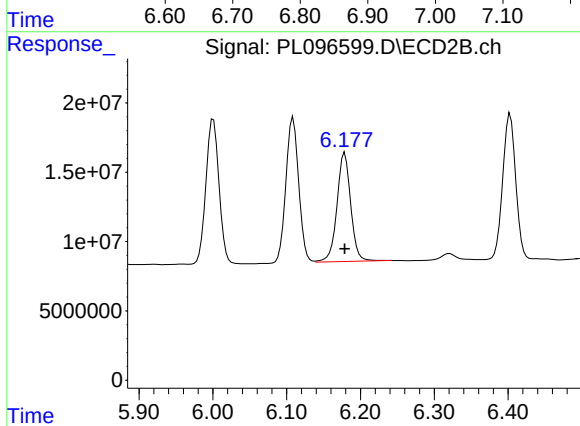
#17 4,4'-DDT

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



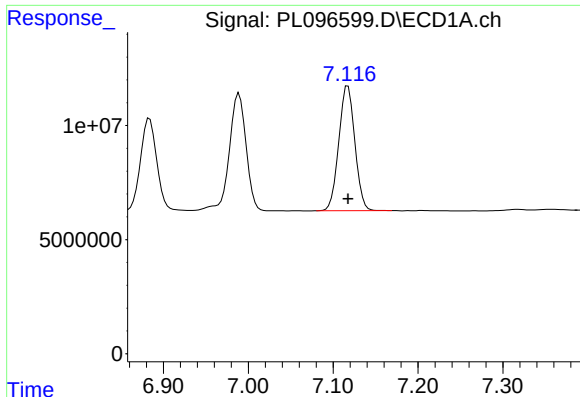
#18 Endrin aldehyde

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



#18 Endrin aldehyde

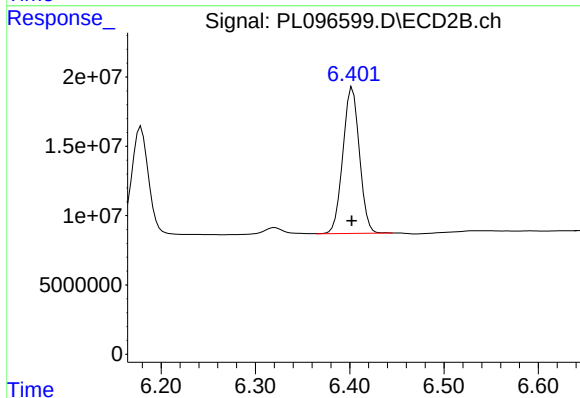
R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 101733323
Conc: 27.12 ng/ml



#19 Endosulfan Sulfate

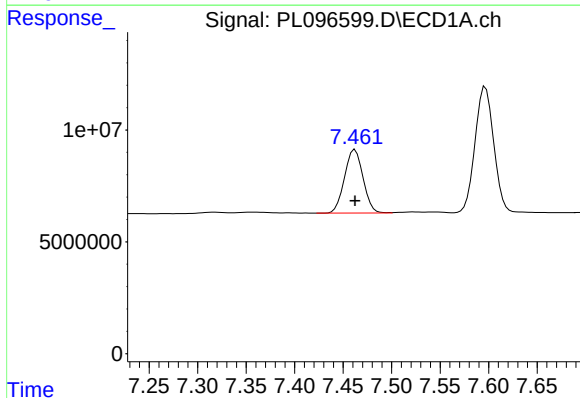
R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 71756969
Conc: 25.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



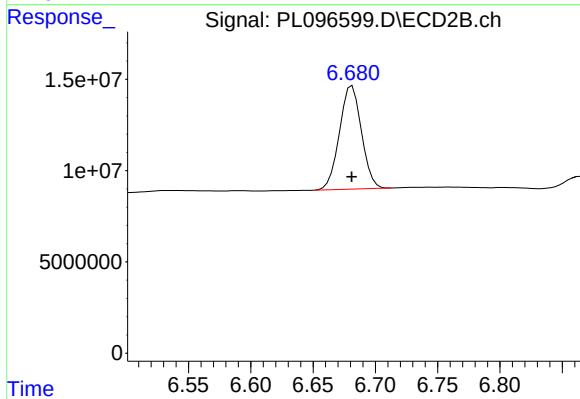
#19 Endosulfan Sulfate

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



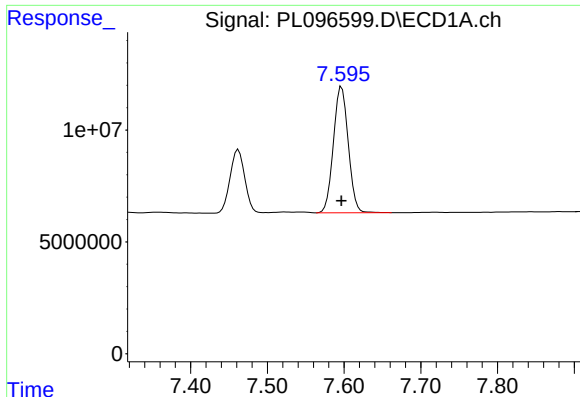
#20 Methoxychlor

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



#20 Methoxychlor

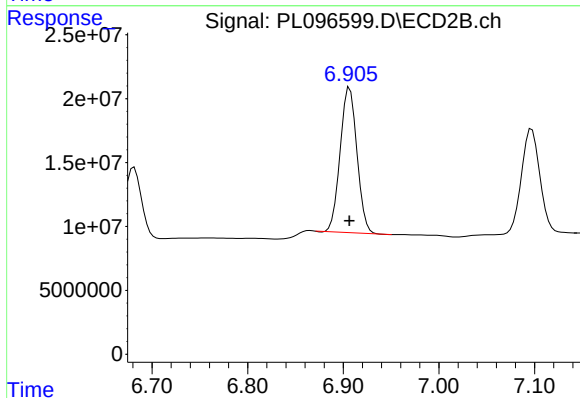
R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 69721101
Conc: 25.52 ng/ml



#21 Endrin ketone

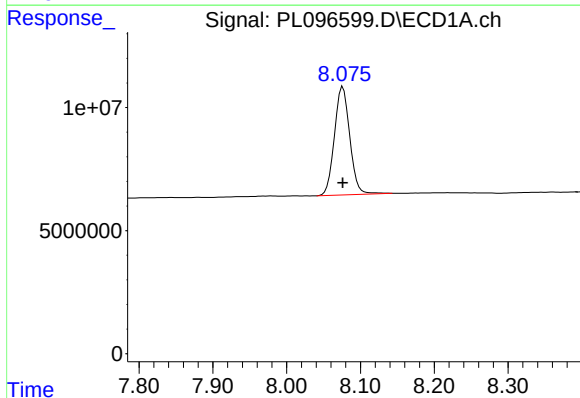
R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 75730573
Conc: 25.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



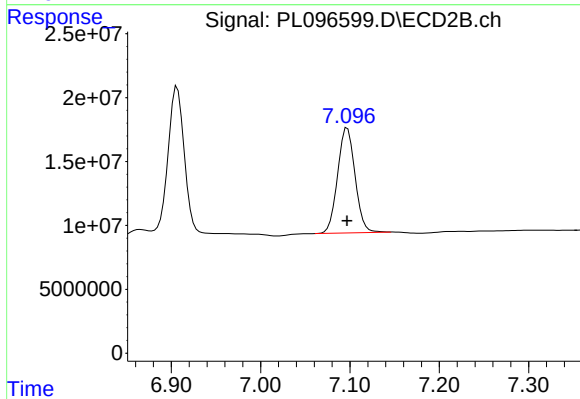
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 138475607
Conc: 25.04 ng/ml



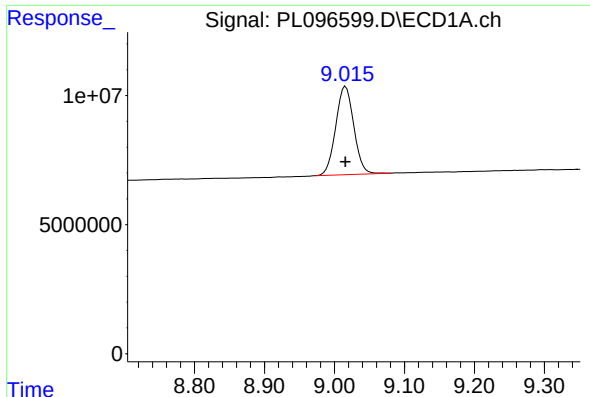
#22 Mirex

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



#22 Mirex

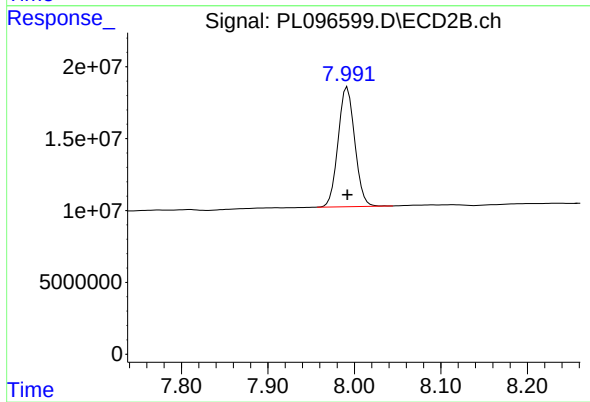
R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 111590978
Conc: 26.23 ng/ml



#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

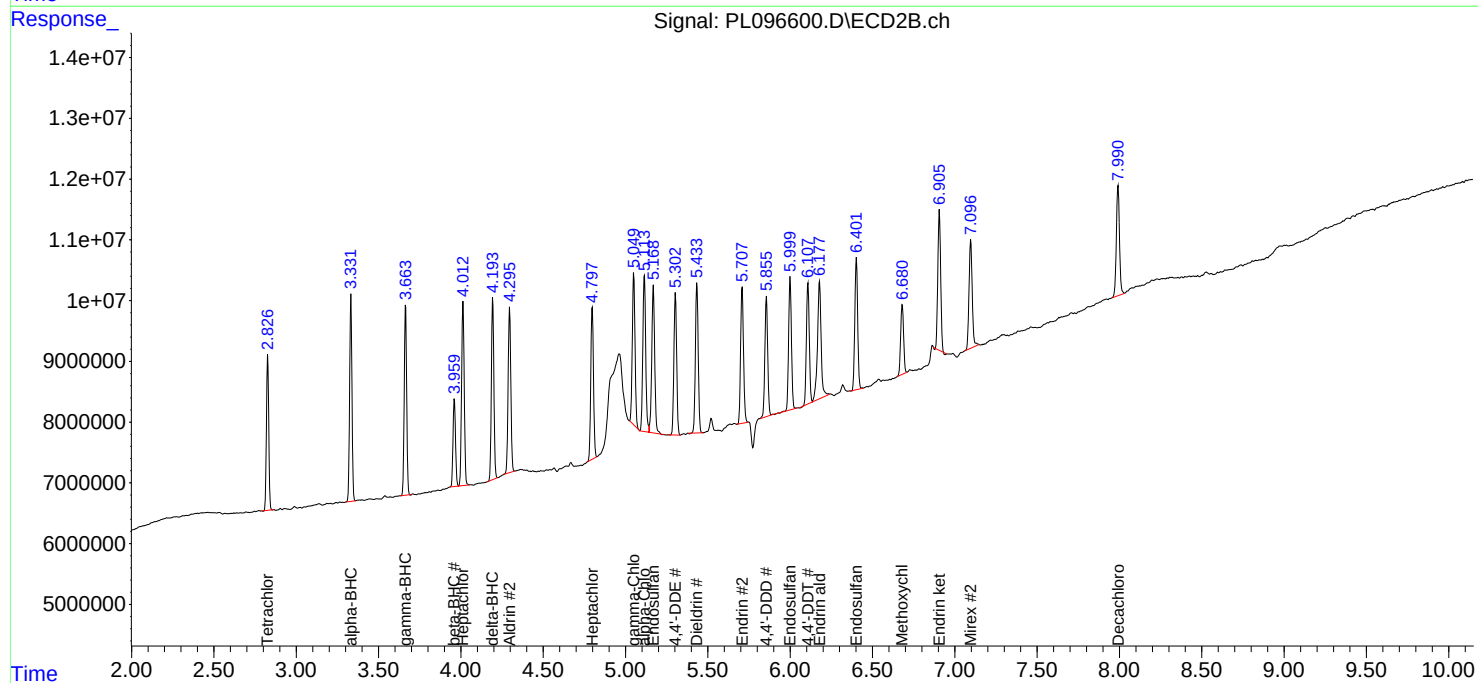
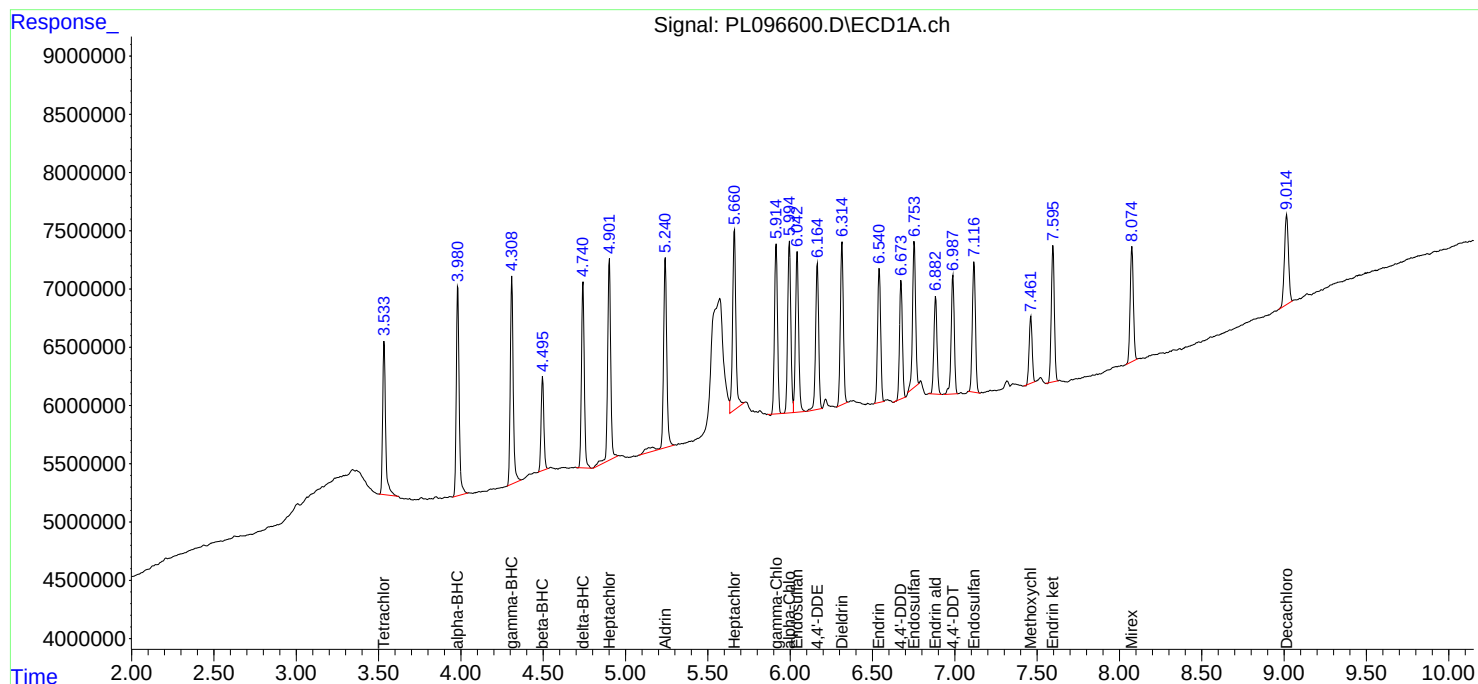
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

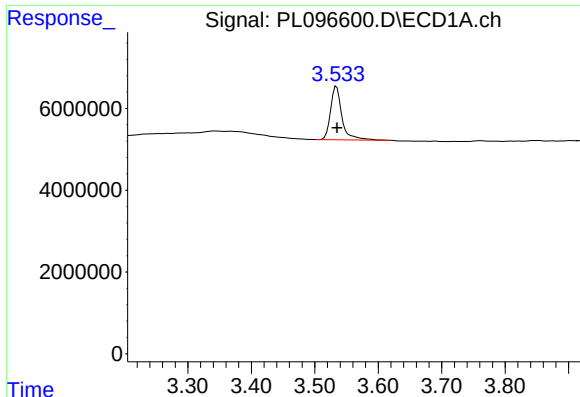
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 17:47
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

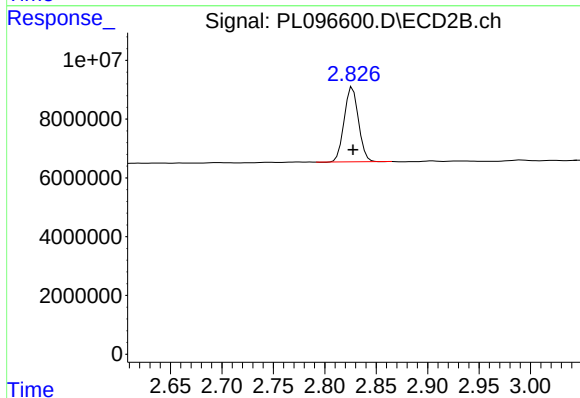




#1 Tetrachloro-m-xylene

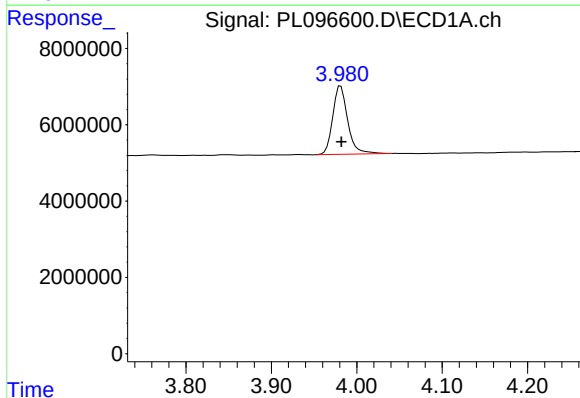
R.T.: 3.534 min
Delta R.T.: 0.000 min
Response: 16289913
Conc: 5.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



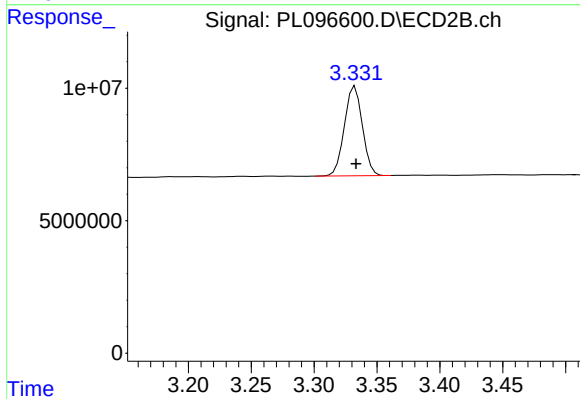
#1 Tetrachloro-m-xylene

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



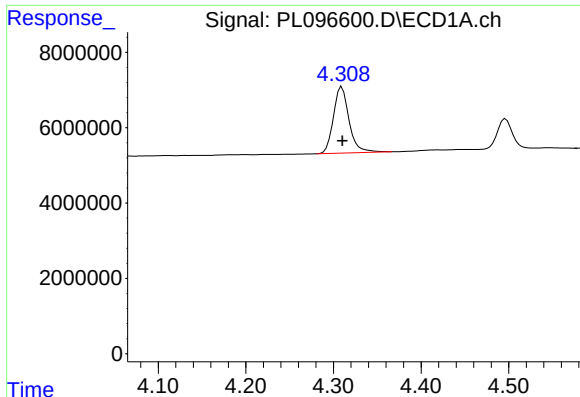
#2 alpha-BHC

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



#2 alpha-BHC

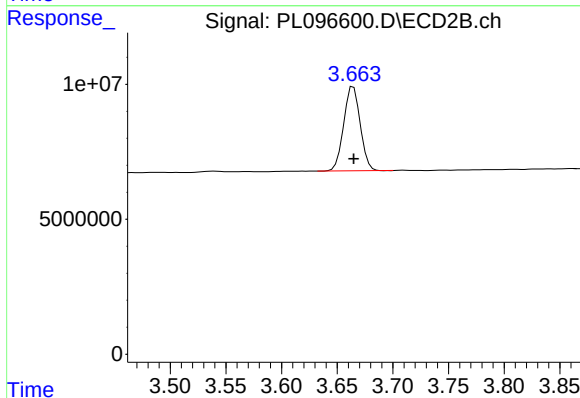
R.T.: 3.333 min
Delta R.T.: 0.000 min
Response: 33671129
Conc: 4.72 ng/ml



#3 gamma-BHC (Lindane)

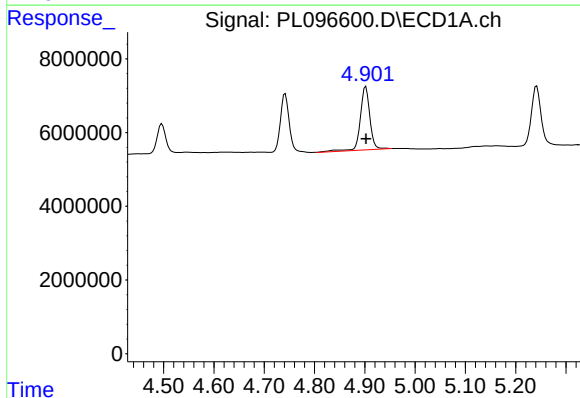
R.T.: 4.310 min
Delta R.T.: 0.000 min
Response: 21804234
Conc: 4.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



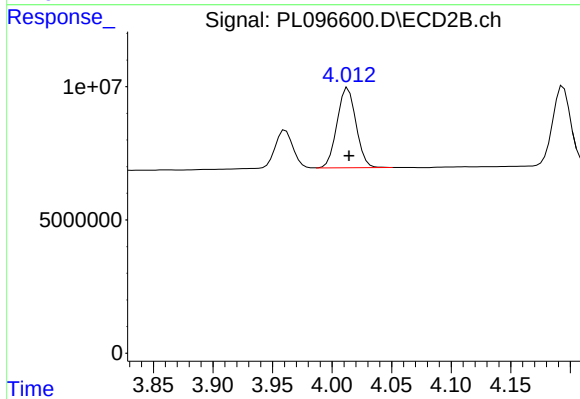
#3 gamma-BHC (Lindane)

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



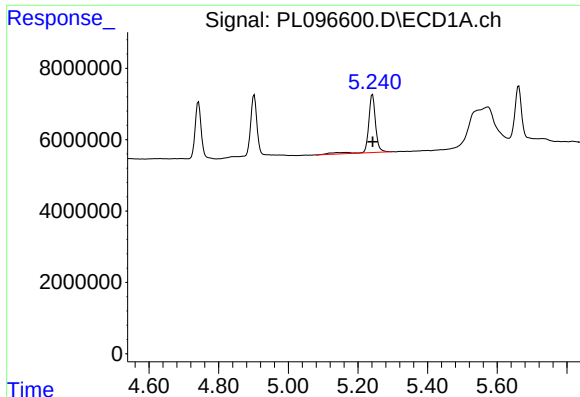
#4 Heptachlor

R.T.: 4.902 min
Delta R.T.: 0.000 min
Response: 22657647
Conc: 5.49 ng/ml



#4 Heptachlor

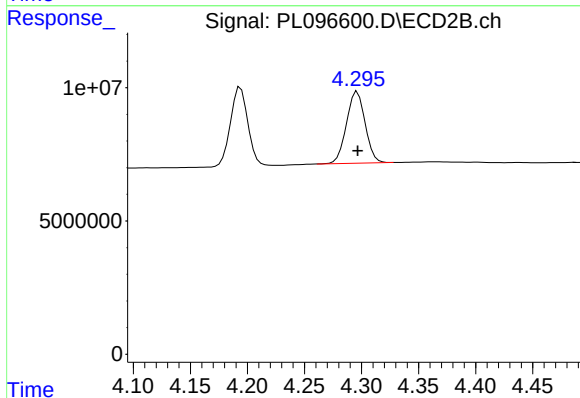
R.T.: 4.013 min
Delta R.T.: 0.000 min
Response: 33277461
Conc: 5.00 ng/ml



#5 Aldrin

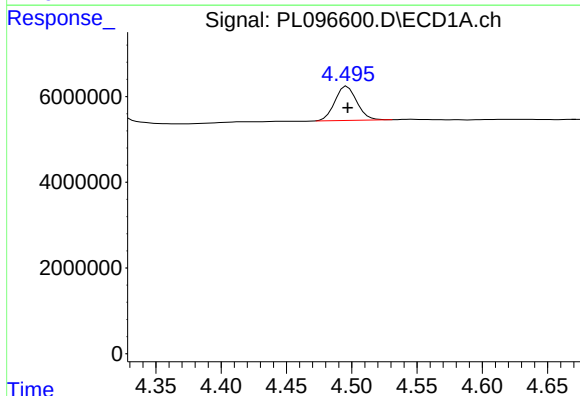
R.T.: 5.242 min
Delta R.T.: -0.001 min
Response: 23335409
Conc: 5.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



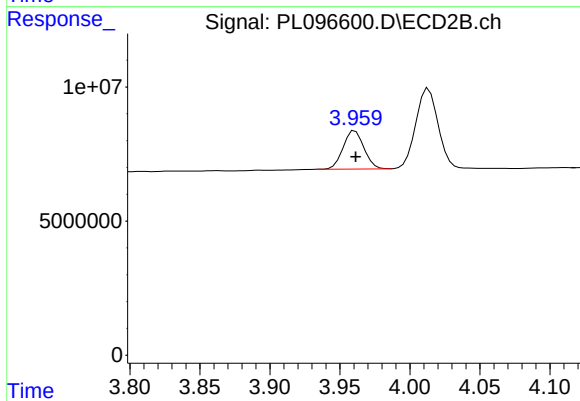
#5 Aldrin

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



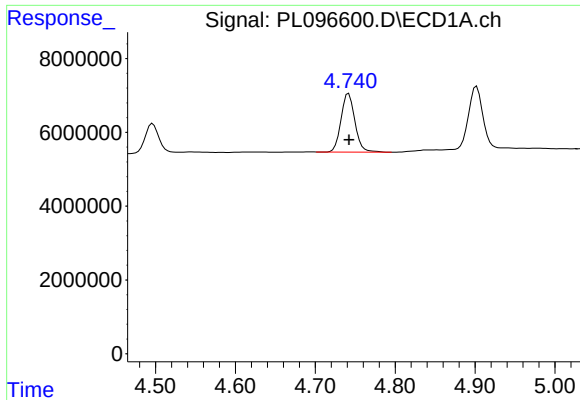
#6 beta-BHC

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



#6 beta-BHC

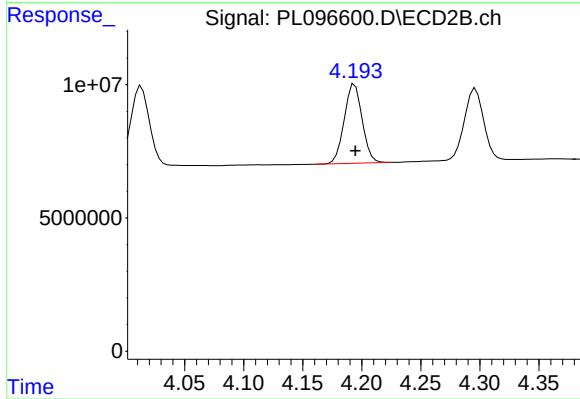
R.T.: 3.961 min
Delta R.T.: 0.000 min
Response: 14886777
Conc: 5.35 ng/ml



#7 delta-BHC

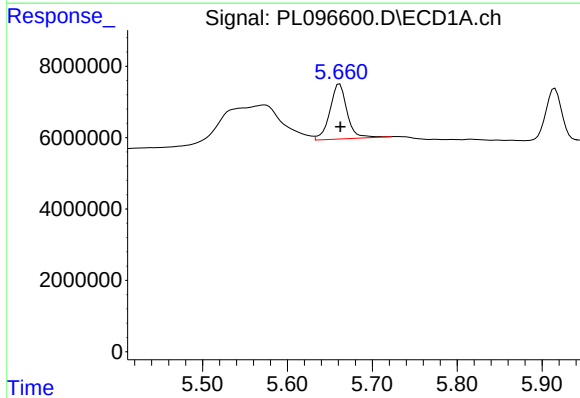
R.T.: 4.742 min
Delta R.T.: 0.000 min
Response: 19209773
Conc: 4.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



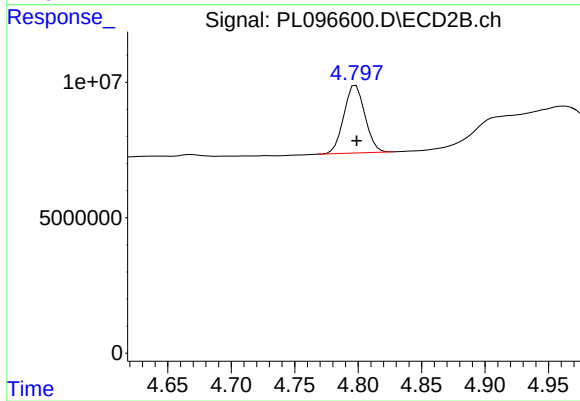
#7 delta-BHC

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



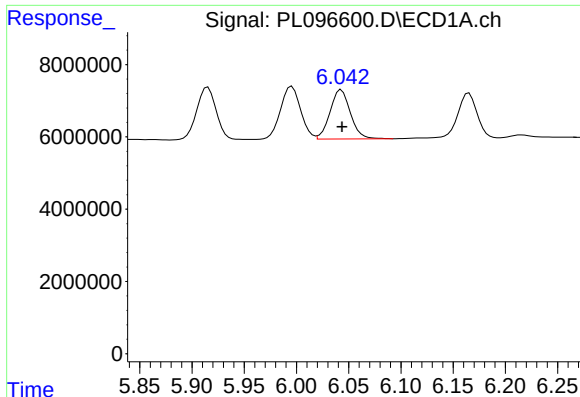
#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: 0.000 min
Response: 21916244
Conc: 5.70 ng/ml



#8 Heptachlor epoxide

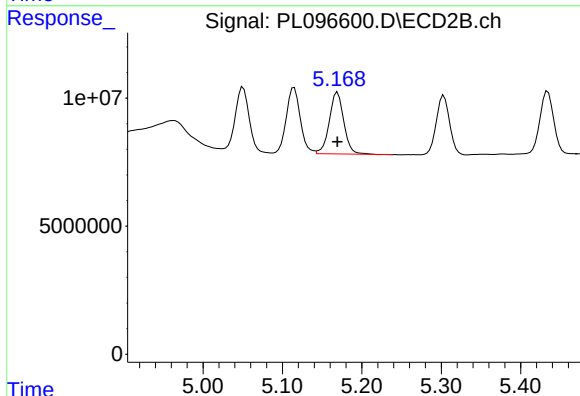
R.T.: 4.798 min
Delta R.T.: 0.000 min
Response: 28926139
Conc: 5.08 ng/ml



#9 Endosulfan I

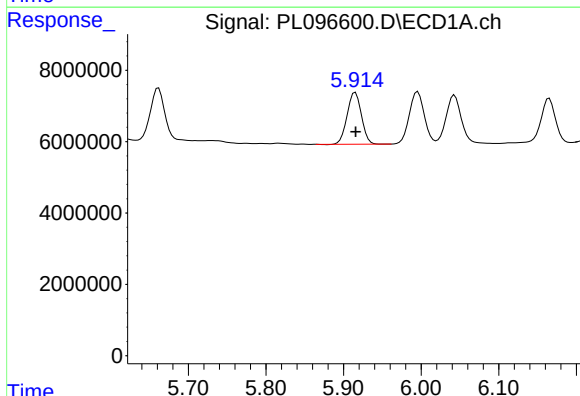
R.T.: 6.043 min
Delta R.T.: 0.000 min
Response: 18404240
Conc: 5.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



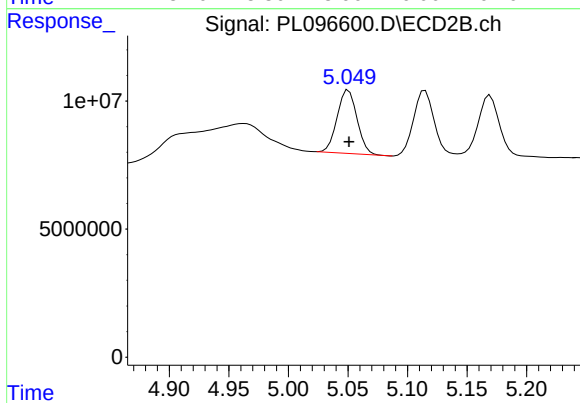
#9 Endosulfan I

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



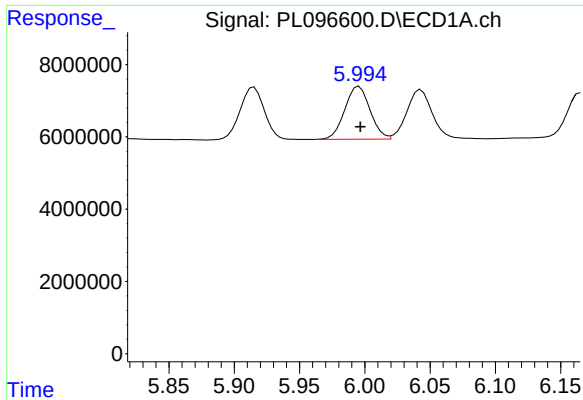
#10 gamma-Chlordane

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



#10 gamma-Chlordane

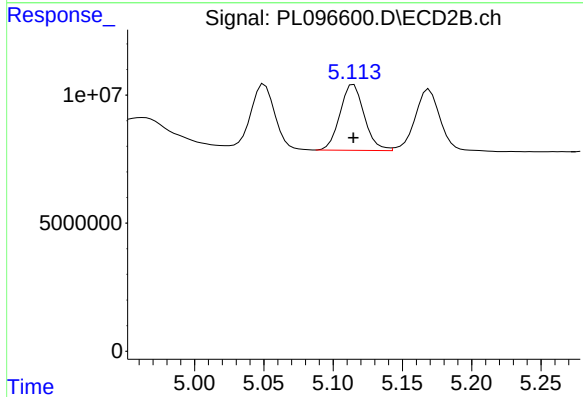
R.T.: 5.050 min
Delta R.T.: 0.000 min
Response: 28851412
Conc: 4.89 ng/ml



#11 alpha-Chlordane

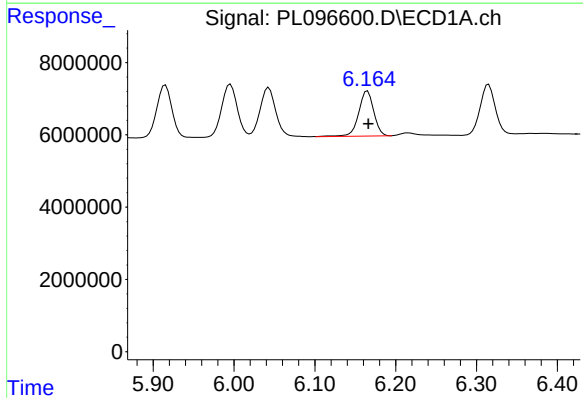
R.T.: 5.996 min
Delta R.T.: 0.000 min
Response: 19648624
Conc: 5.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



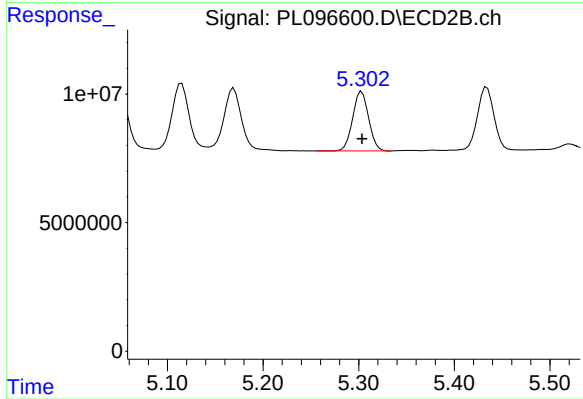
#11 alpha-Chlordane

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



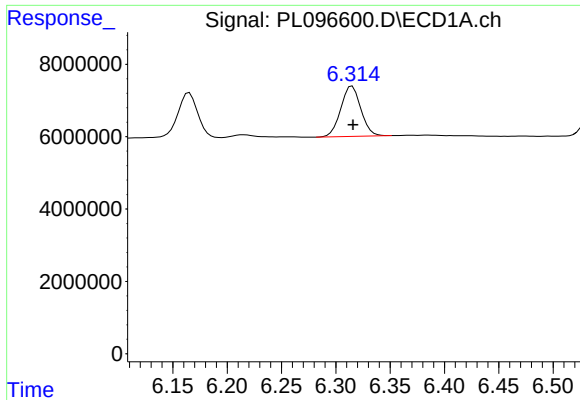
#12 4,4'-DDE

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



#12 4,4'-DDE

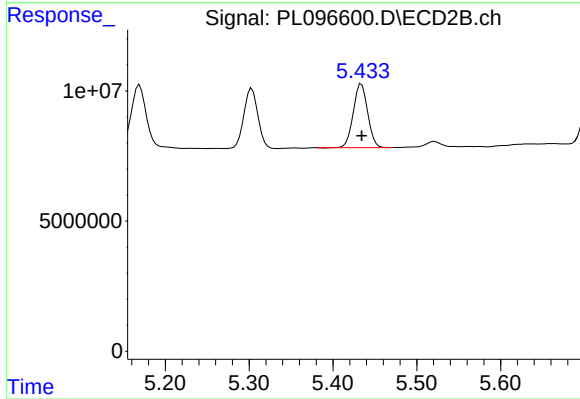
R.T.: 5.303 min
Delta R.T.: 0.000 min
Response: 26895387
Conc: 4.85 ng/ml



#13 Dieldrin

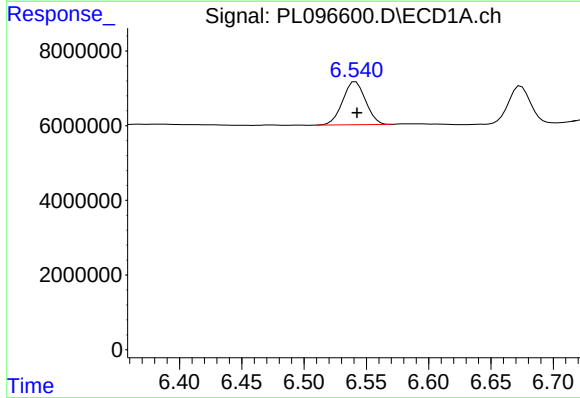
R.T.: 6.315 min
Delta R.T.: 0.000 min
Response: 17886564
Conc: 4.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



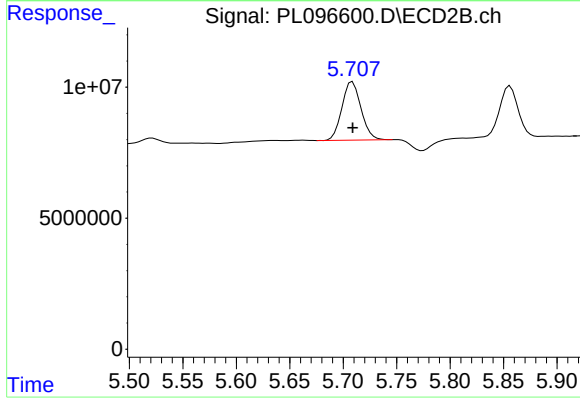
#13 Dieldrin

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



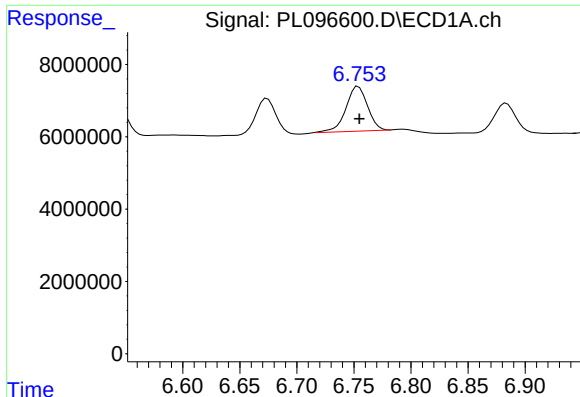
#14 Endrin

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



#14 Endrin

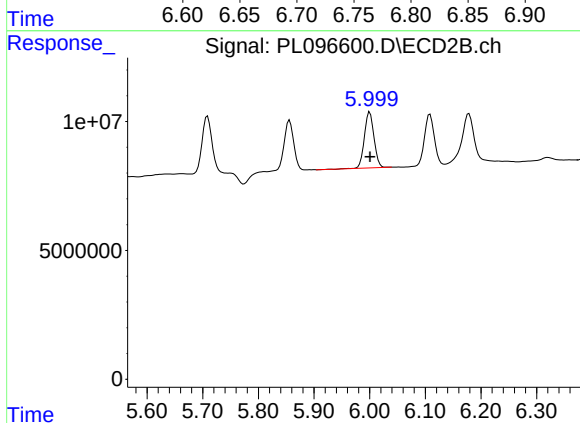
R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 27745055
Conc: 5.16 ng/ml



#15 Endosulfan II

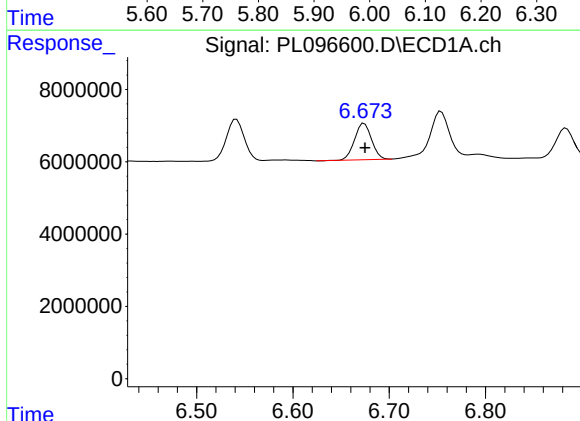
R.T.: 6.754 min
Delta R.T.: -0.001 min
Response: 16262556
Conc: 5.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



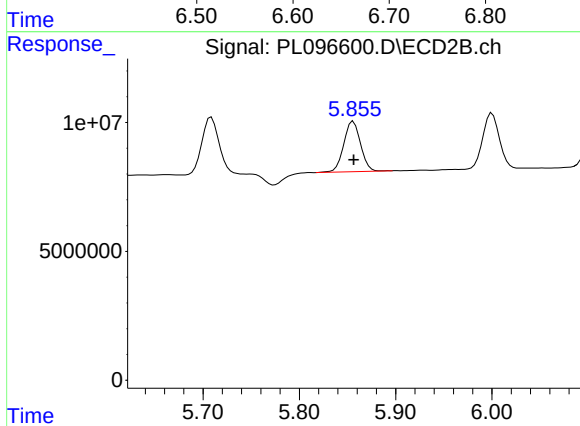
#15 Endosulfan II

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



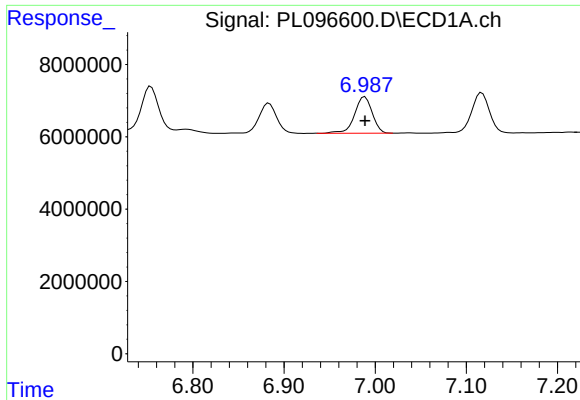
#16 4,4'-DDD

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



#16 4,4'-DDD

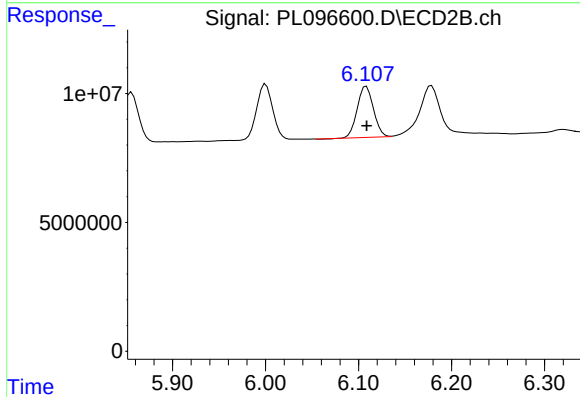
R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 23708739
Conc: 5.05 ng/ml



#17 4,4'-DDT

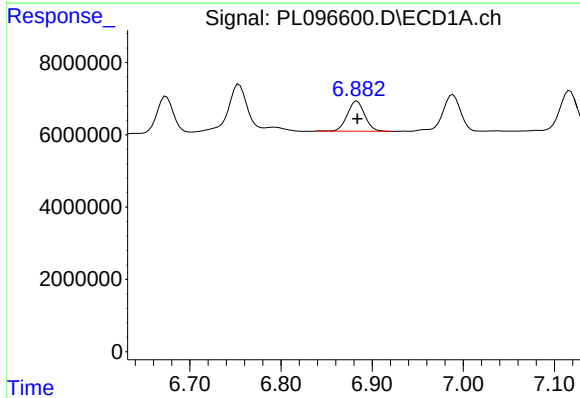
R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 13672011
Conc: 4.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



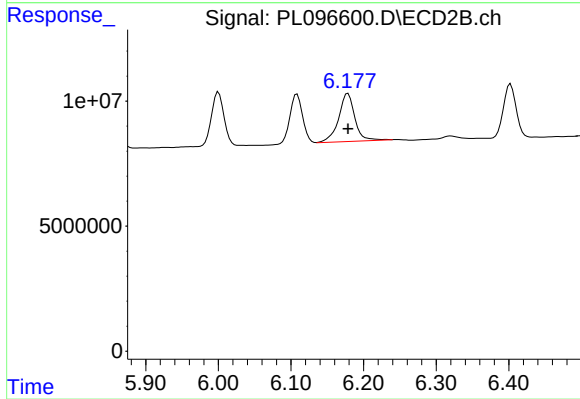
#17 4,4'-DDT

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



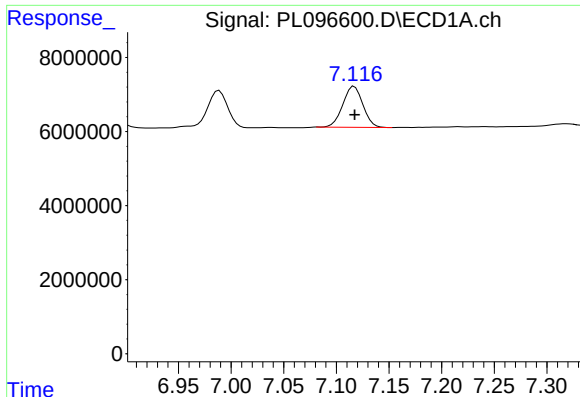
#18 Endrin aldehyde

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



#18 Endrin aldehyde

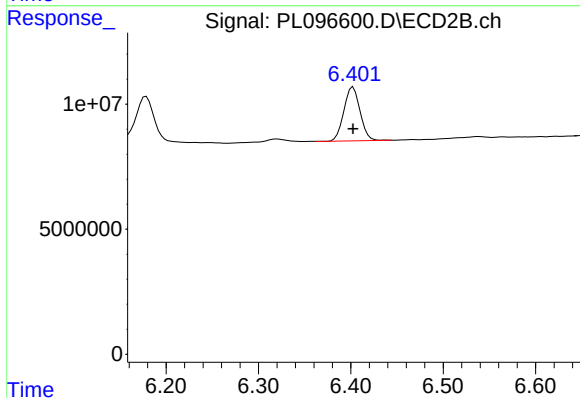
R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 29990732
Conc: 7.99 ng/ml



#19 Endosulfan Sulfate

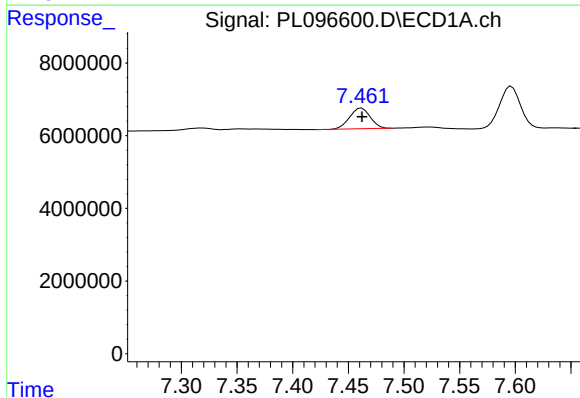
R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 14782385
Conc: 5.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



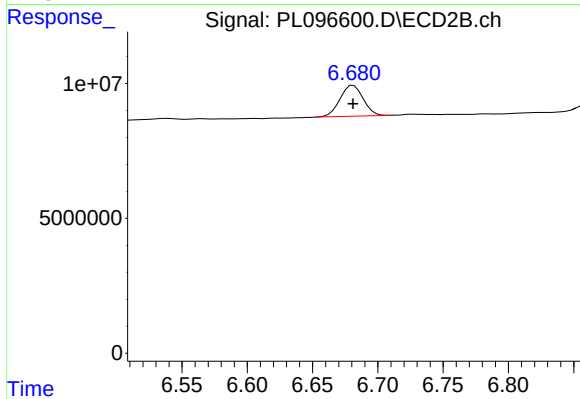
#19 Endosulfan Sulfate

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



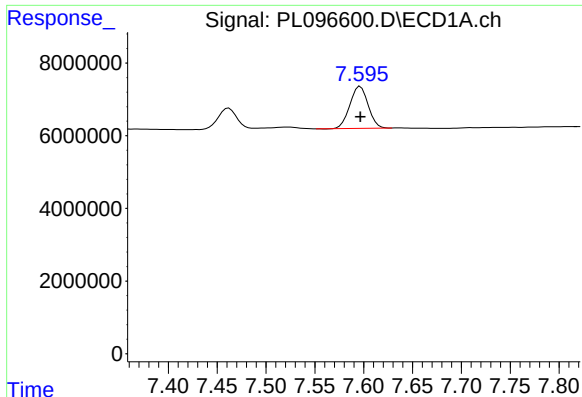
#20 Methoxychlor

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



#20 Methoxychlor

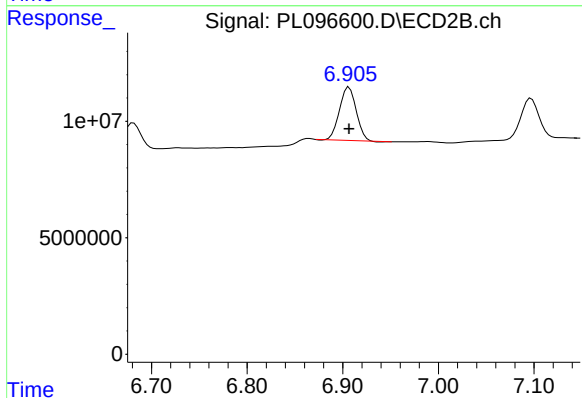
R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 14153462
Conc: 5.18 ng/ml



#21 Endrin ketone

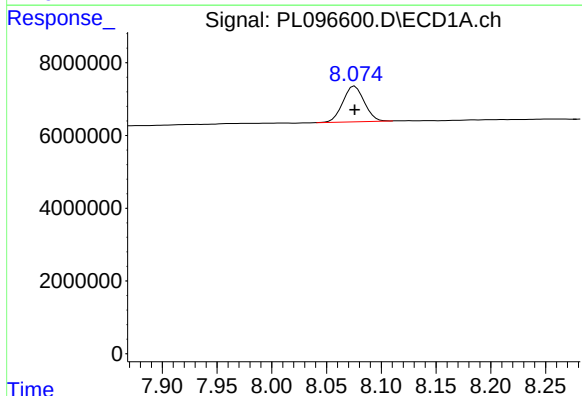
R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 15006830
Conc: 5.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



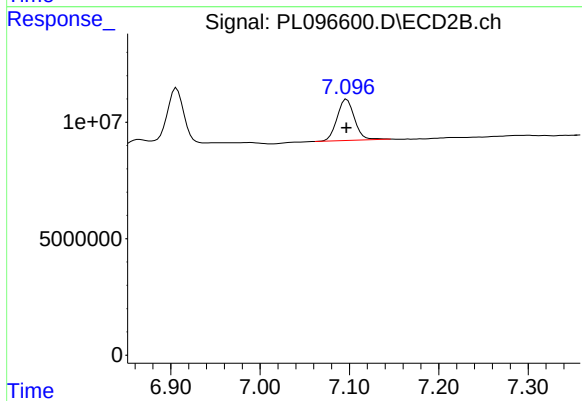
#21 Endrin ketone

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



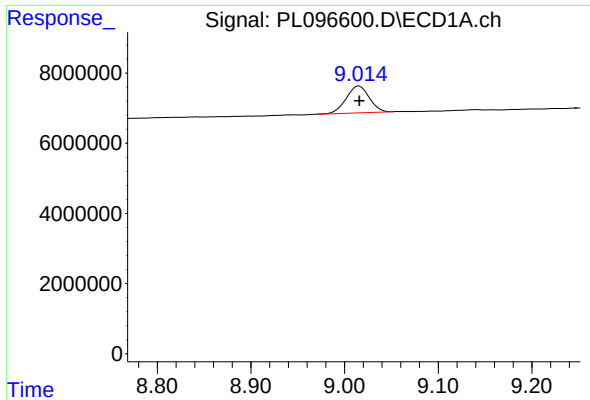
#22 Mirex

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



#22 Mirex

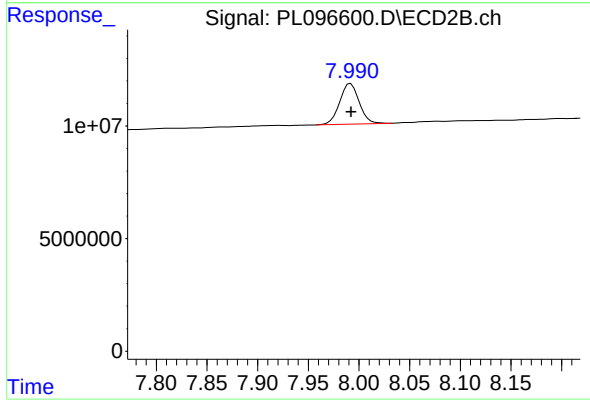
R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 24190284
Conc: 5.69 ng/ml



#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 #

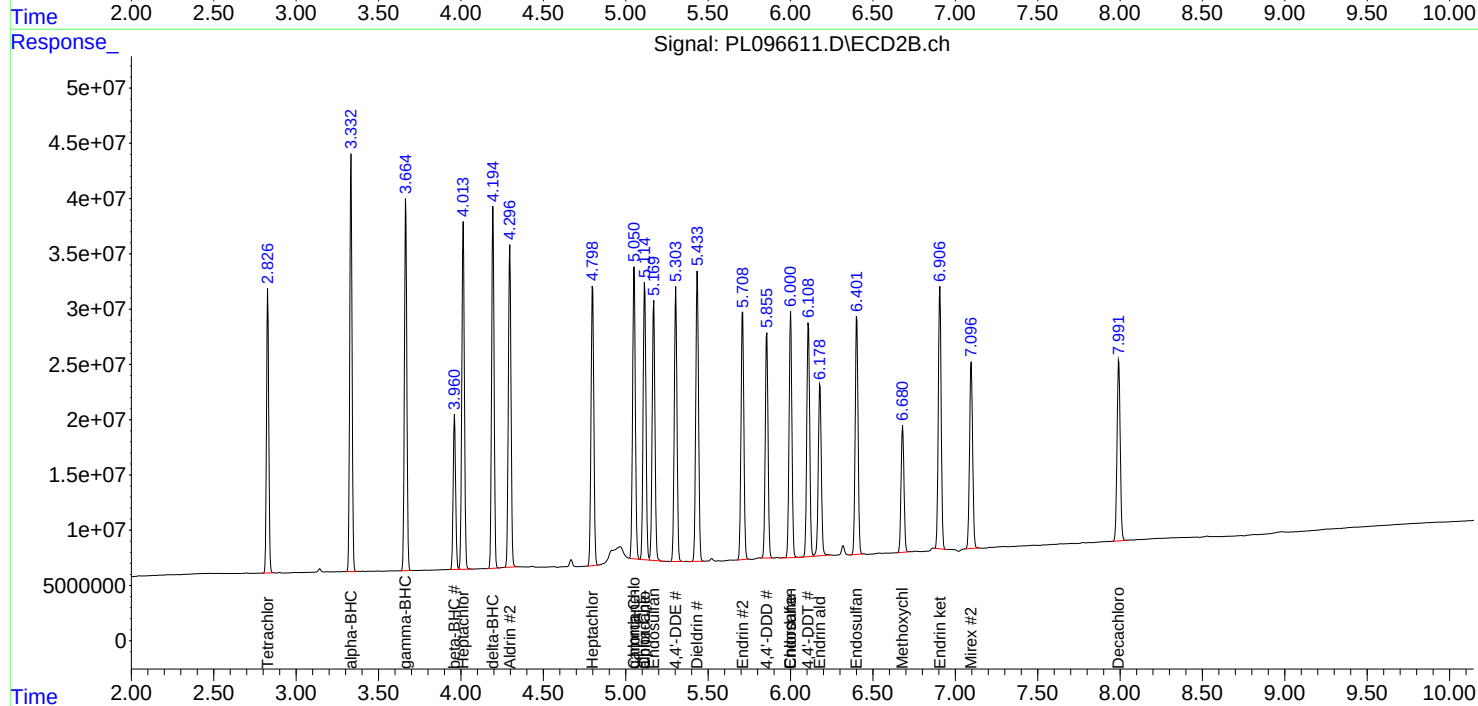
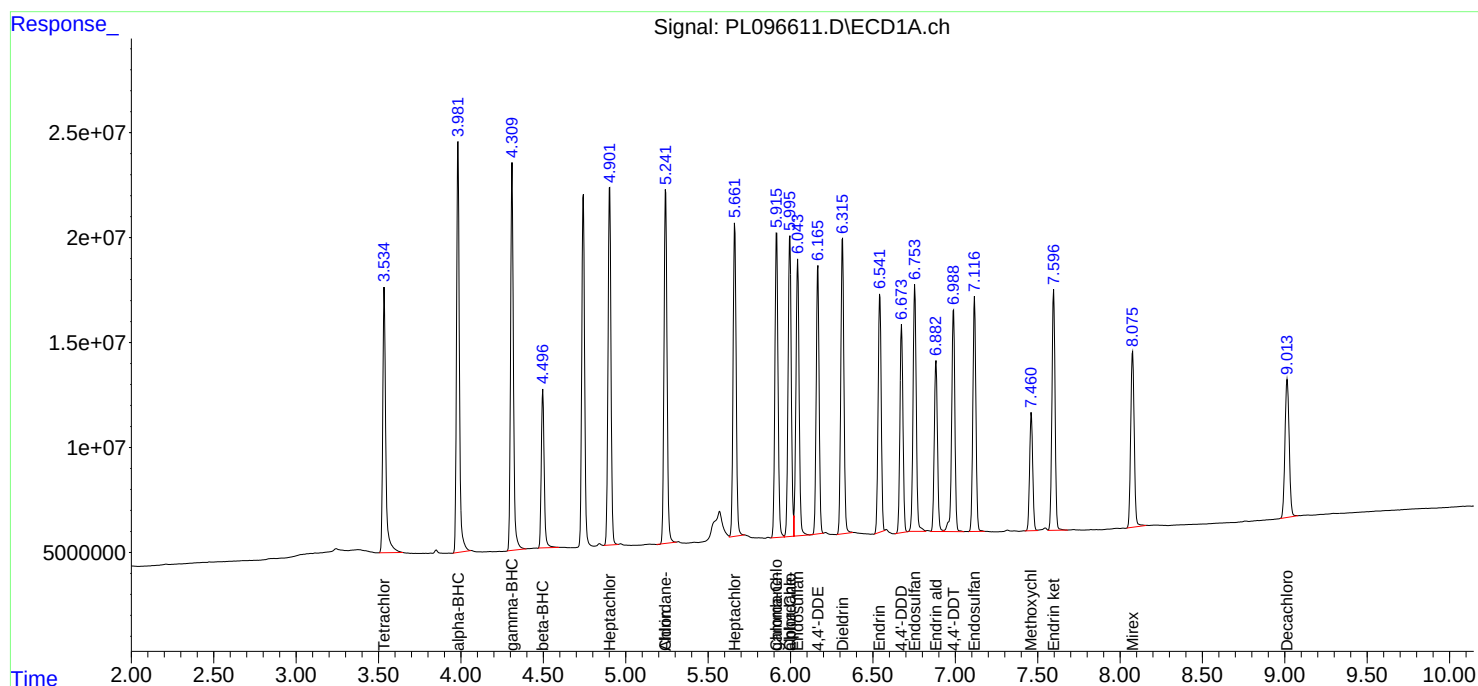
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

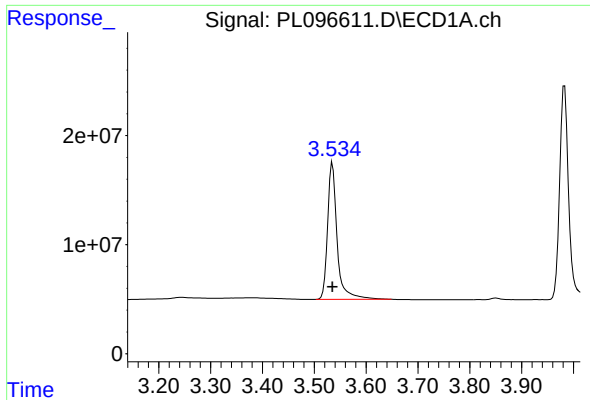
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072825\
Data File : PL096611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jul 2025 20:17
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

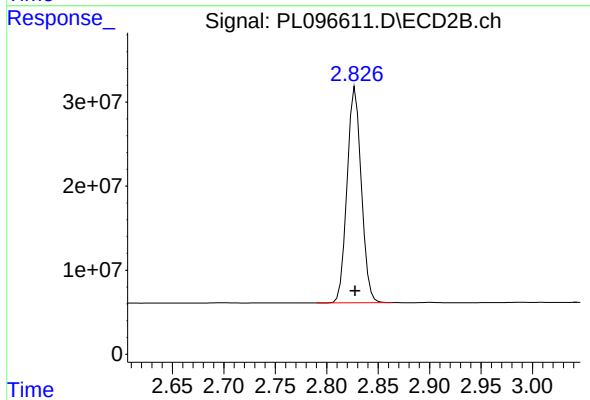




#1 Tetrachloro-m-xylene

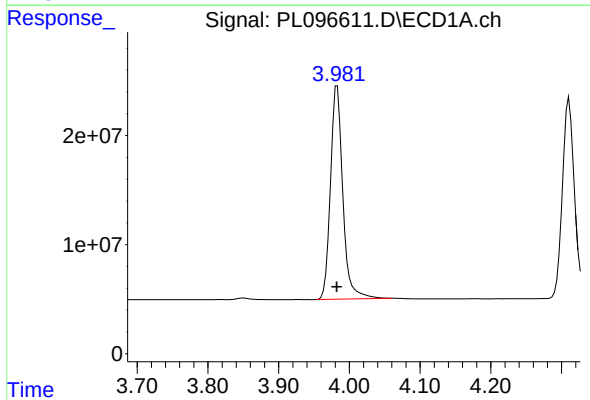
R.T.: 3.535 min
Delta R.T.: 0.000 min
Response: 161043183
Conc: 50.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



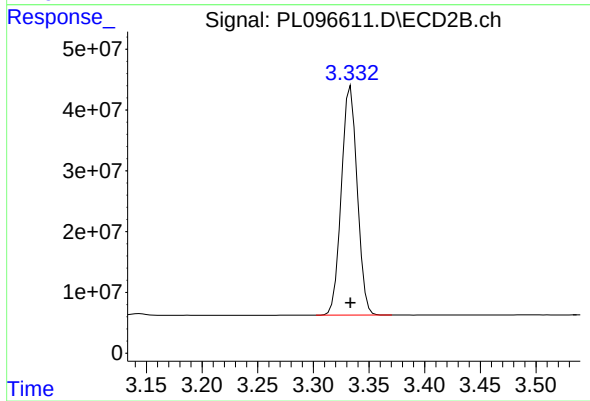
#1 Tetrachloro-m-xylene

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



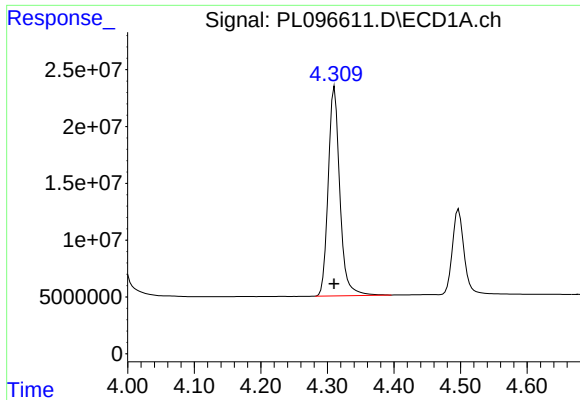
#2 alpha-BHC

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



#2 alpha-BHC

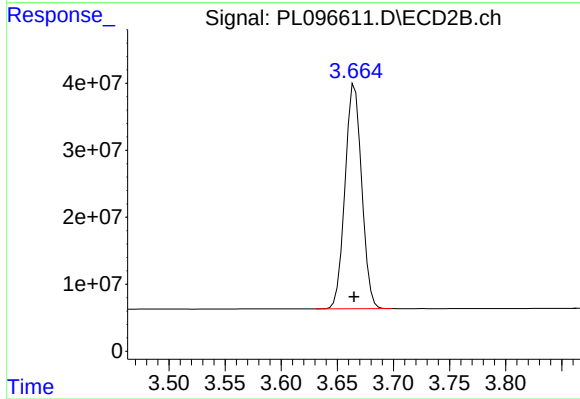
R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 372995453
Conc: 52.71 ng/ml



#3 gamma-BHC (Lindane)

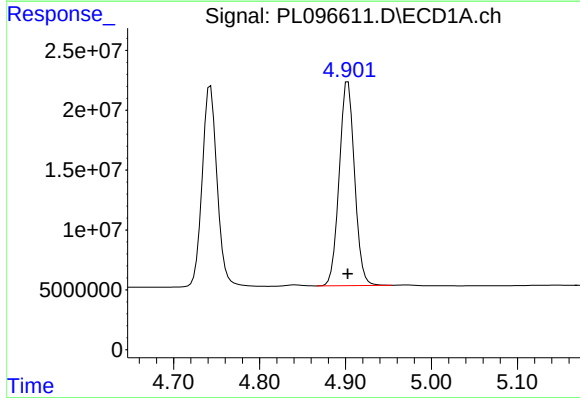
R.T.: 4.311 min
Delta R.T.: 0.000 min
Response: 223584100
Conc: 50.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



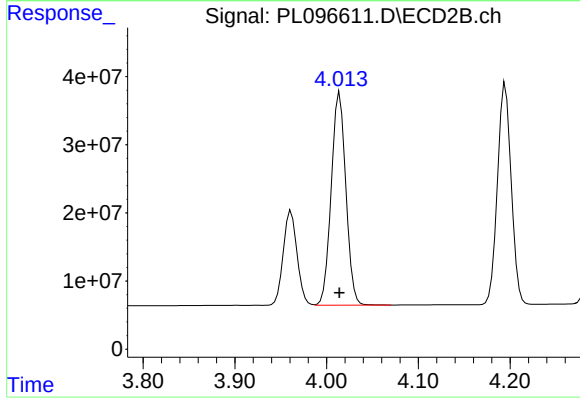
#3 gamma-BHC (Lindane)

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



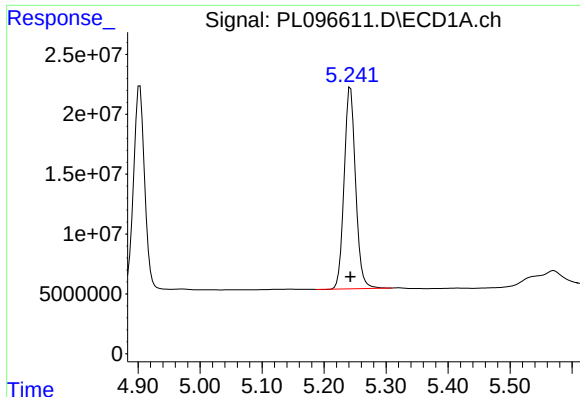
#4 Heptachlor

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



#4 Heptachlor

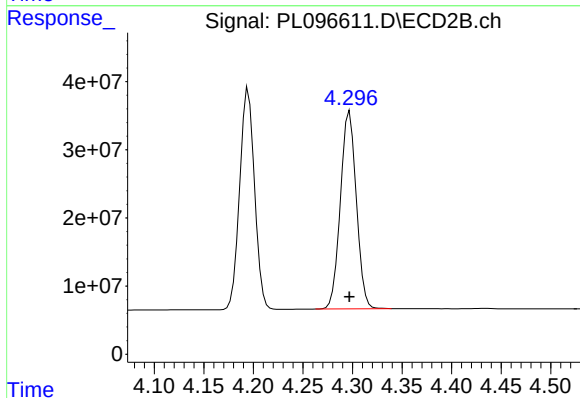
R.T.: 4.014 min
Delta R.T.: 0.000 min
Response: 346369326
Conc: 51.99 ng/ml



#5 Aldrin

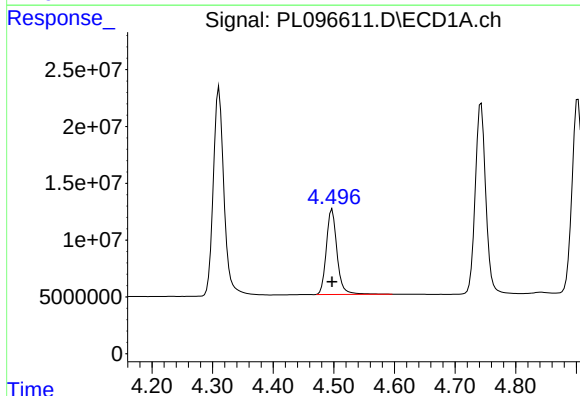
R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 215573068
Conc: 50.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



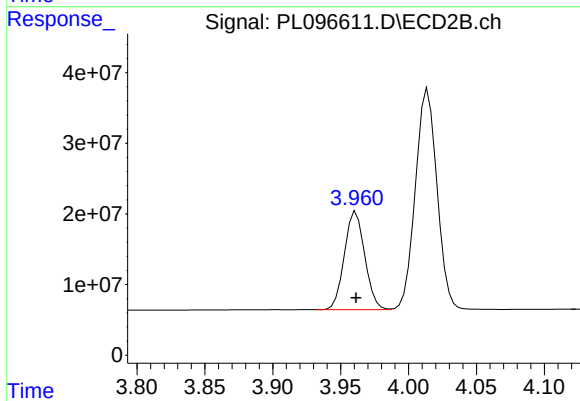
#5 Aldrin

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



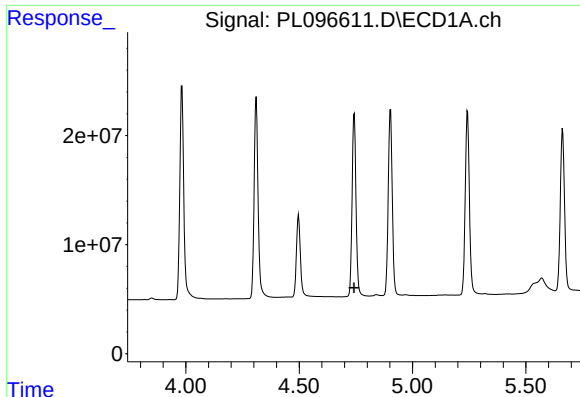
#6 beta-BHC

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



#6 beta-BHC

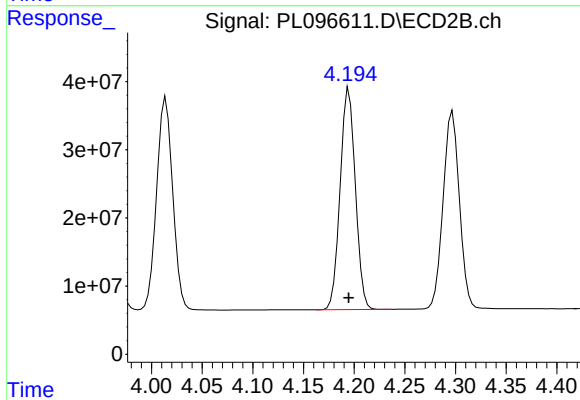
R.T.: 3.961 min
Delta R.T.: 0.000 min
Response: 145431130
Conc: 51.55 ng/ml



#7 delta-BHC

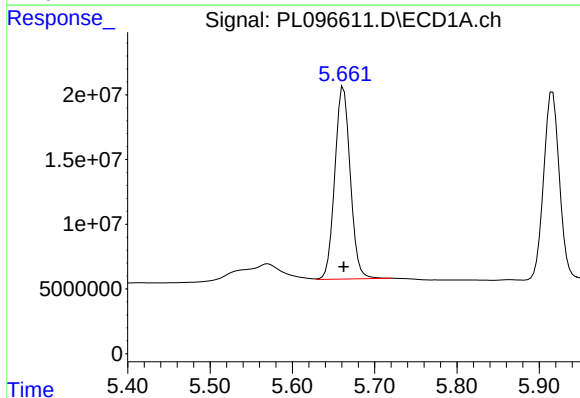
R.T.: 0.000 min
Exp R.T.: 4.743 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



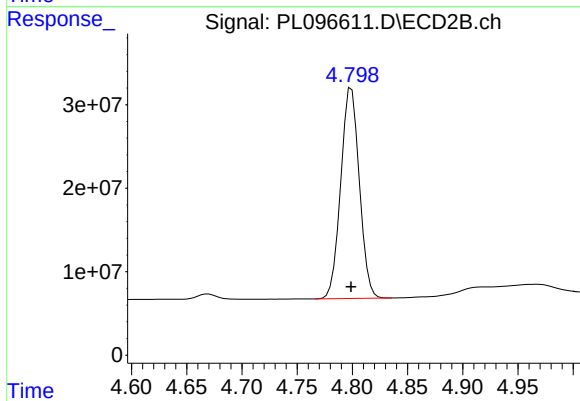
#7 delta-BHC

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



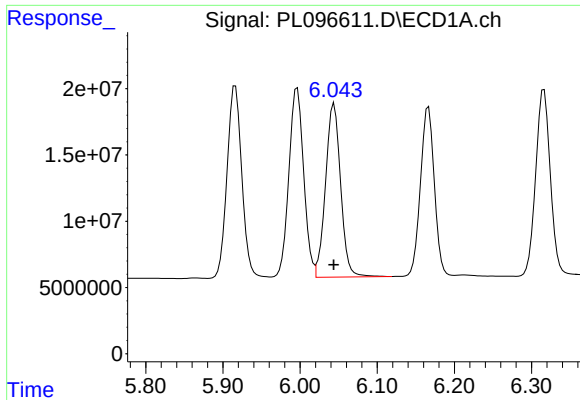
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

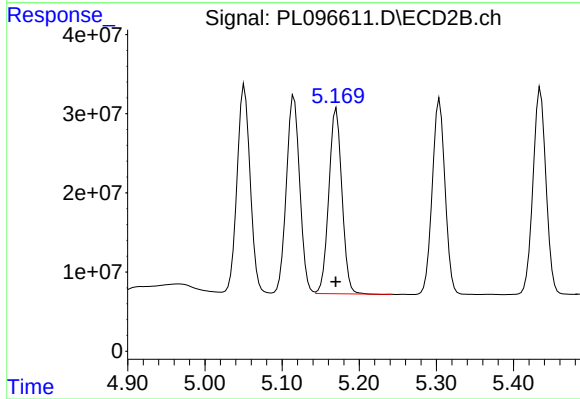
R.T.: 4.799 min
Delta R.T.: 0.000 min
Response: 295584103
Conc: 51.75 ng/ml



#9 Endosulfan I

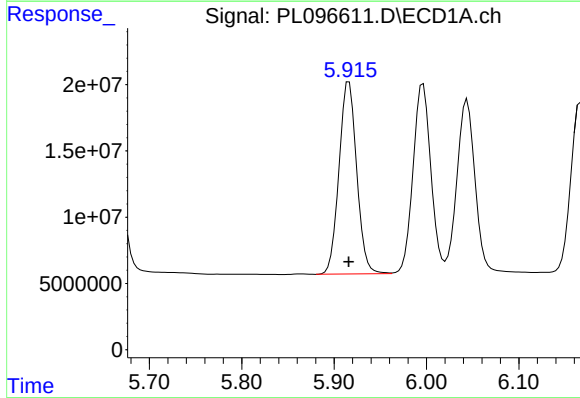
R.T.: 6.044 min
Delta R.T.: 0.000 min
Response: 178427332
Conc: 49.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



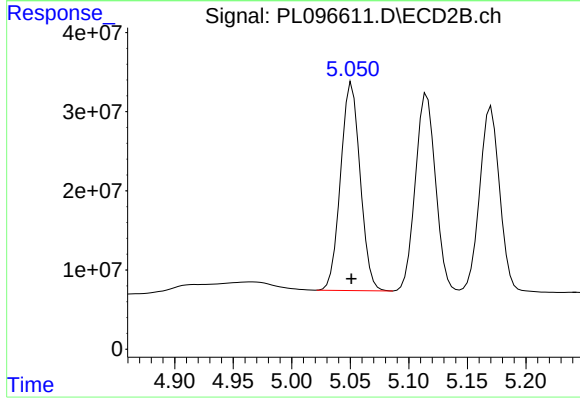
#9 Endosulfan I

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



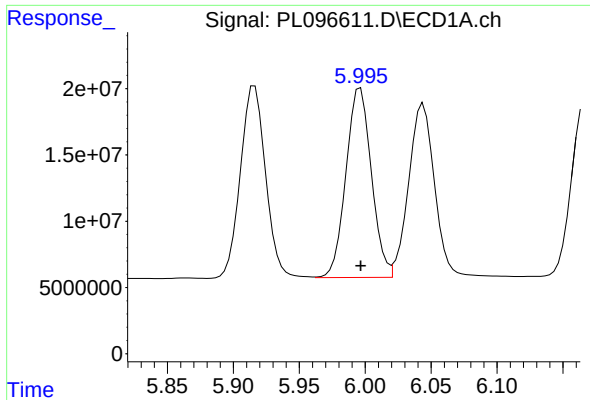
#10 gamma-Chlordane

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



#10 gamma-Chlordane

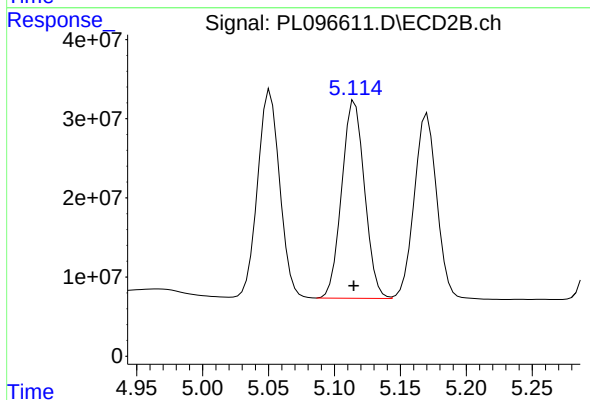
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 305748780
Conc: 52.00 ng/ml



#11 alpha-Chlordane

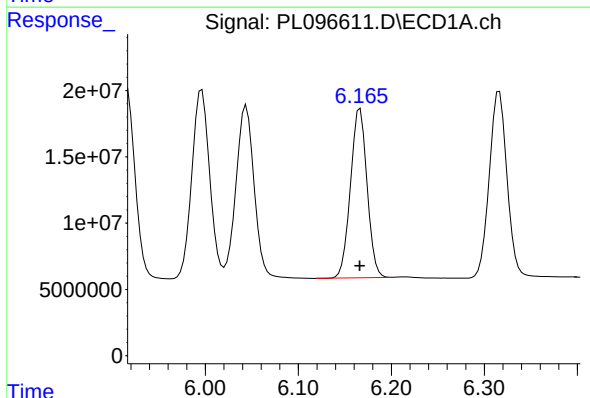
R.T.: 5.996 min
Delta R.T.: 0.000 min
Response: 191709507
Conc: 49.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



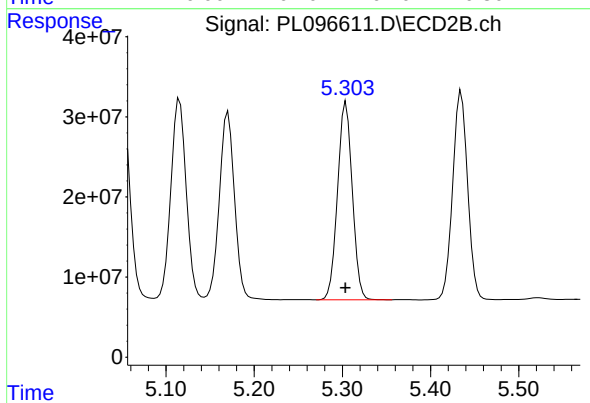
#11 alpha-Chlordane

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



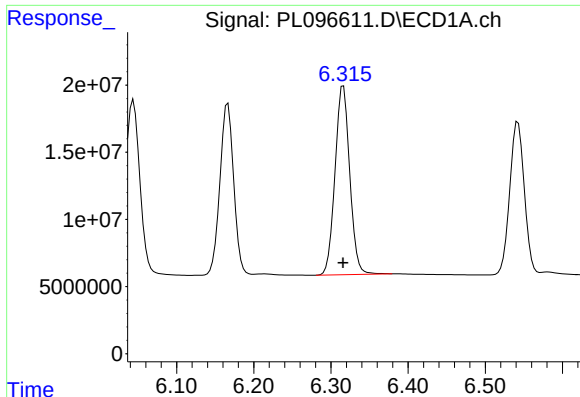
#12 4,4'-DDE

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



#12 4,4'-DDE

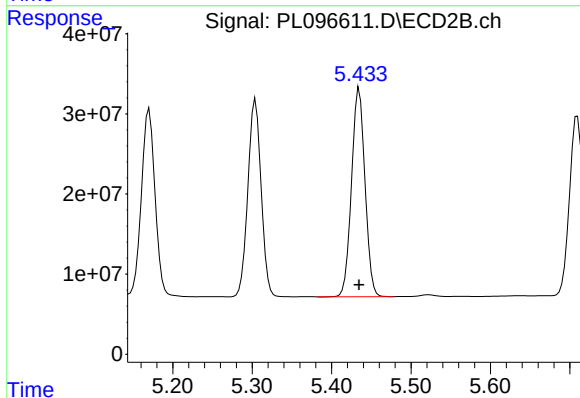
R.T.: 5.304 min
Delta R.T.: 0.000 min
Response: 286332408
Conc: 51.92 ng/ml



#13 Dieldrin

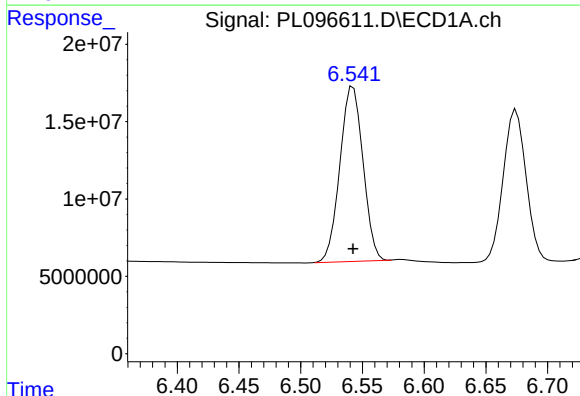
R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 186821697
Conc: 50.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



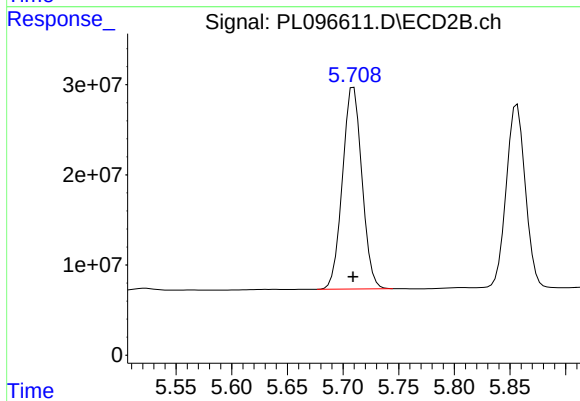
#13 Dieldrin

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



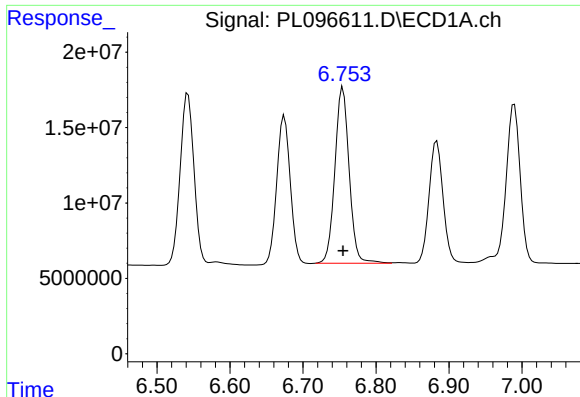
#14 Endrin

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



#14 Endrin

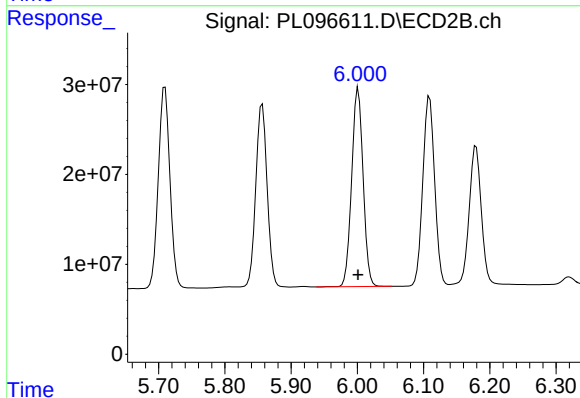
R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 272795312
Conc: 50.46 ng/ml



#15 Endosulfan II

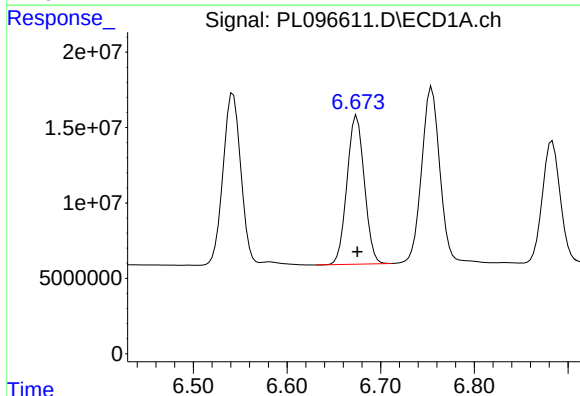
R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 158792104
Conc: 49.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



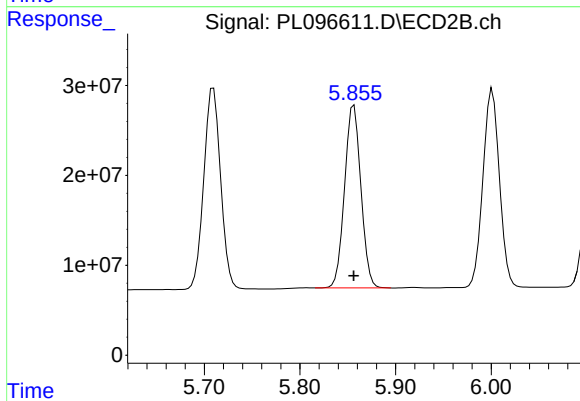
#15 Endosulfan II

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



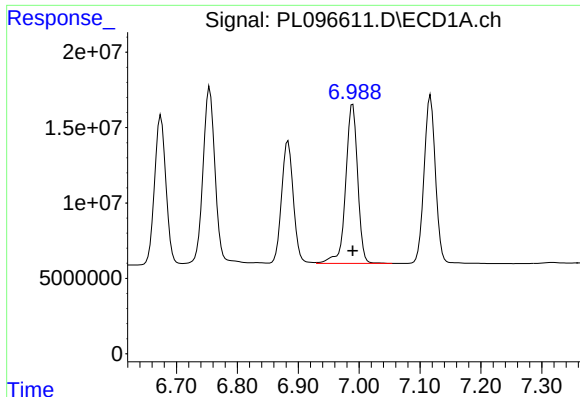
#16 4,4'-DDD

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



#16 4,4'-DDD

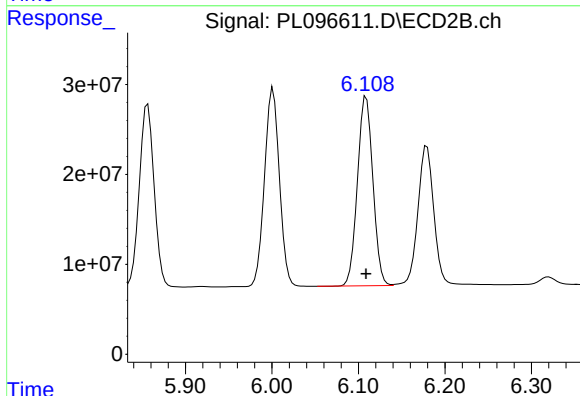
R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 241958902
Conc: 51.42 ng/ml



#17 4,4'-DDT

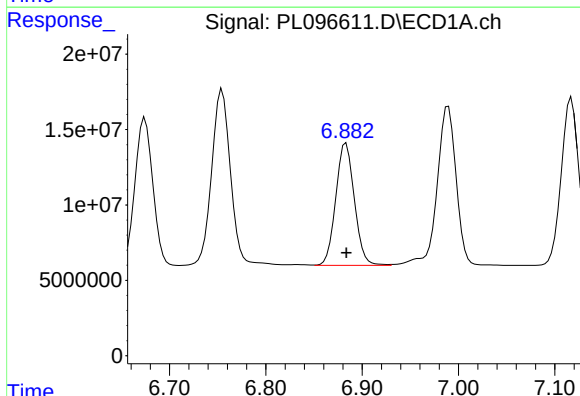
R.T.: 6.989 min
Delta R.T.: 0.000 min
Response: 144531756
Conc: 50.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



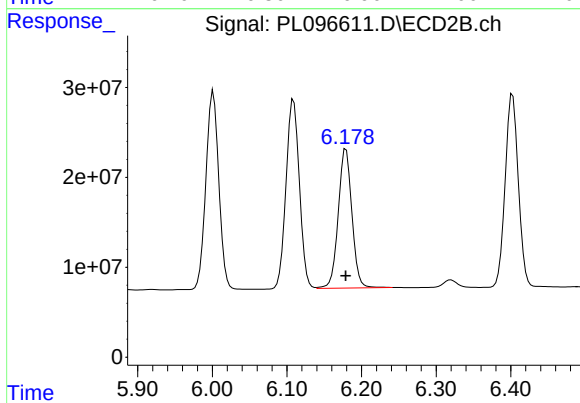
#17 4,4'-DDT

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



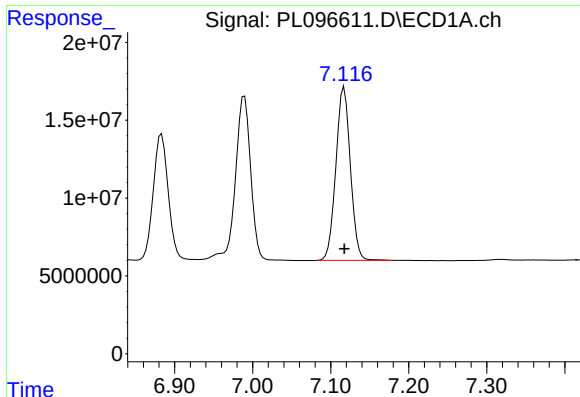
#18 Endrin aldehyde

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



#18 Endrin aldehyde

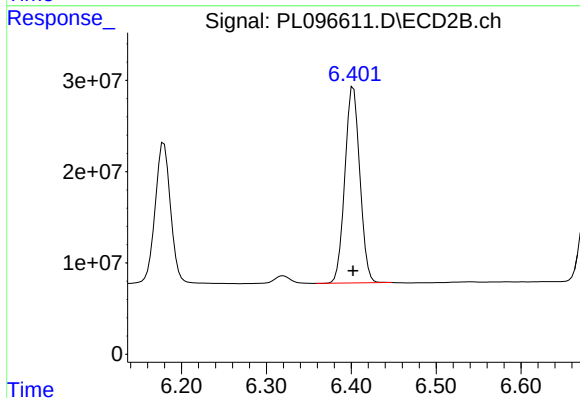
R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 197425966
Conc: 53.39 ng/ml



#19 Endosulfan Sulfate

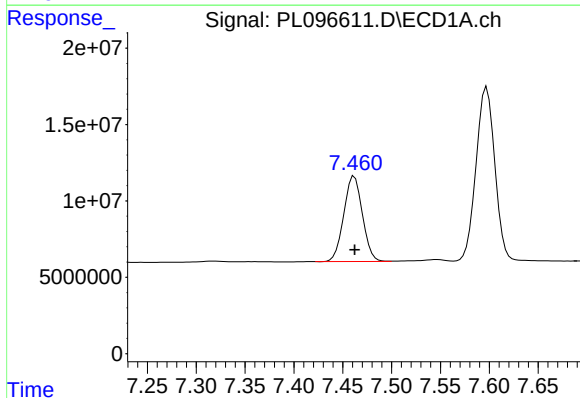
R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 143881166
Conc: 50.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



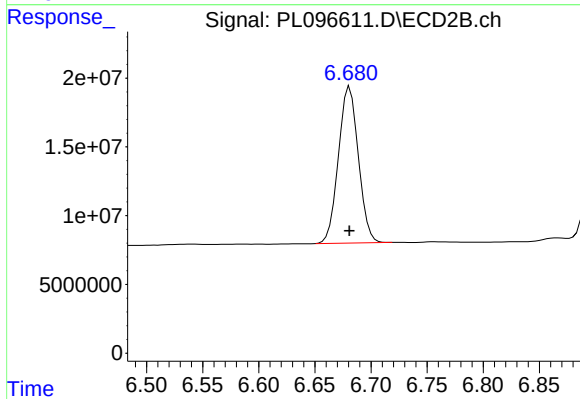
#19 Endosulfan Sulfate

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



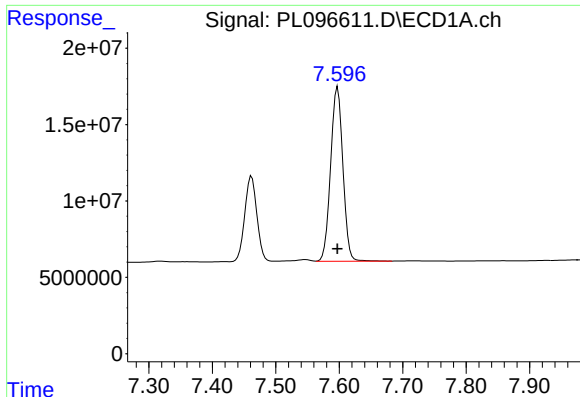
#20 Methoxychlor

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



#20 Methoxychlor

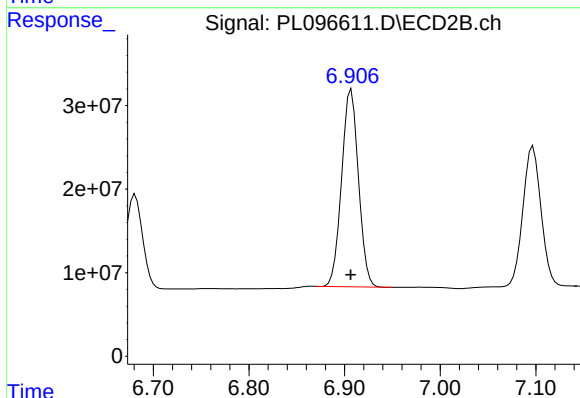
R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 140523051
Conc: 51.28 ng/ml



#21 Endrin ketone

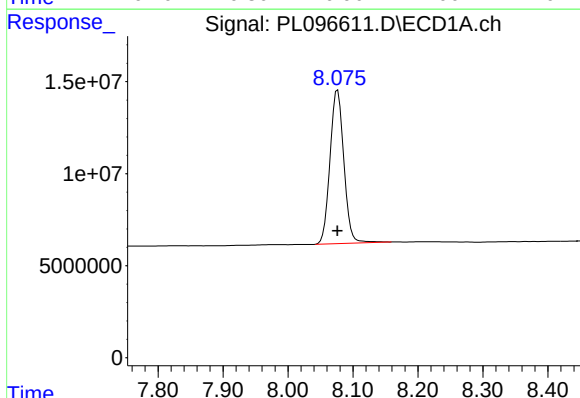
R.T.: 7.597 min
Delta R.T.: 0.000 min
Response: 153274359
Conc: 50.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



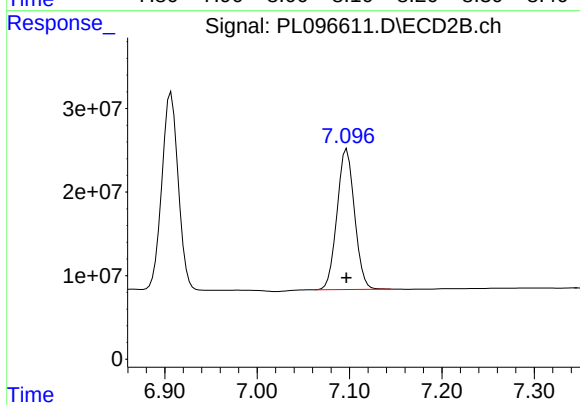
#21 Endrin ketone

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



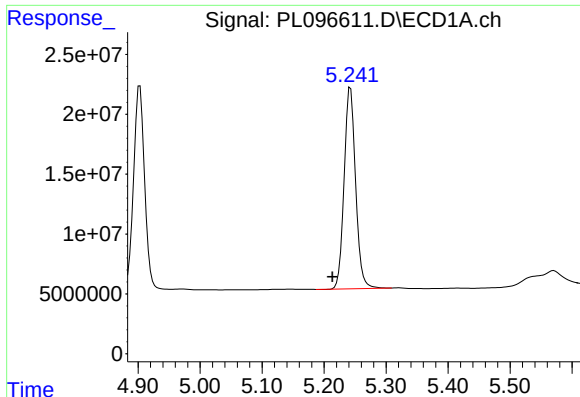
#22 Mirex

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



#22 Mirex

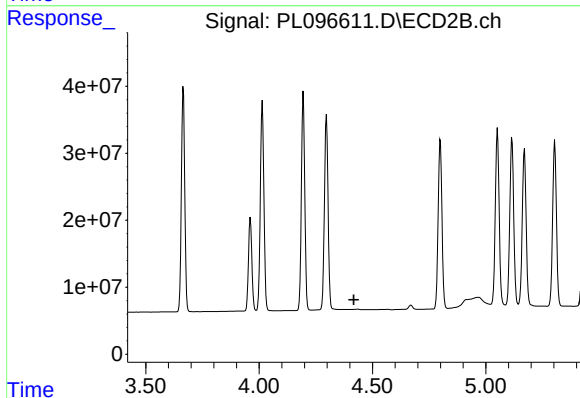
R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 221225472
Conc: 50.73 ng/ml



#24 Chlordane-2

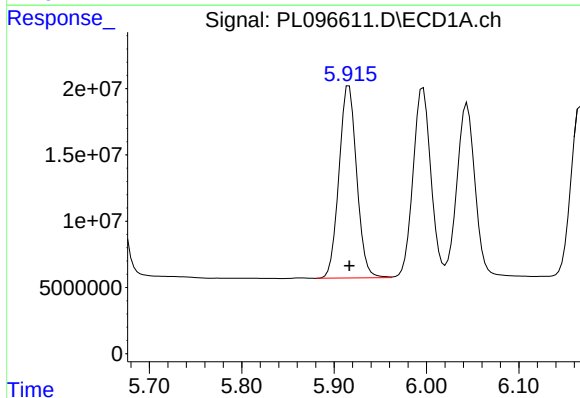
R.T.: 5.243 min
Delta R.T.: 0.029 min
Response: 215573068
Conc: 1231.80 ng/m

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



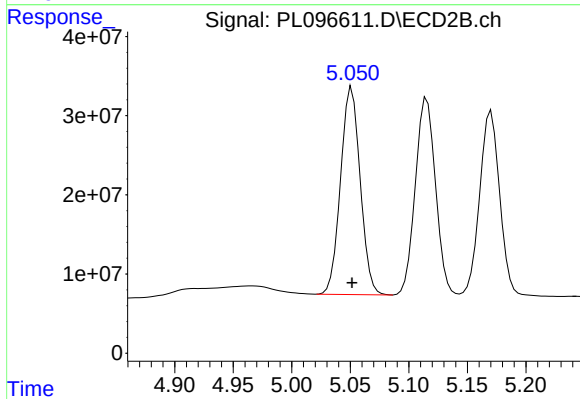
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.418 min
Response: 0
Conc: N.D.



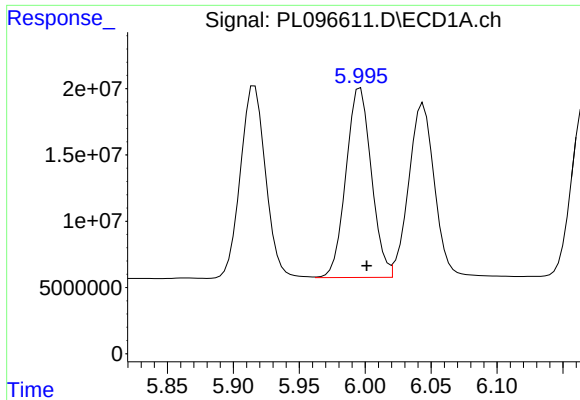
#25 Chlordane-3

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 193445906
Conc: 289.62 ng/ml



#25 Chlordane-3

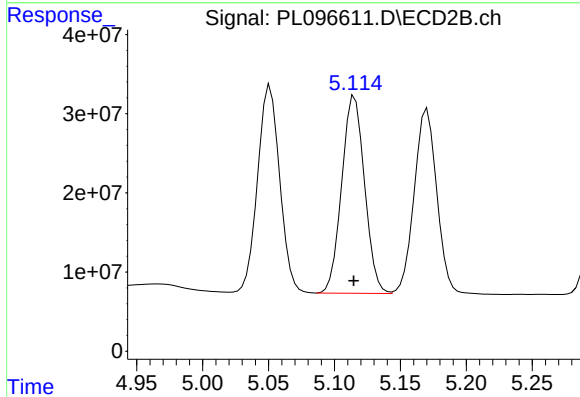
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 305748780
Conc: 439.73 ng/ml



#26 Chlordane-4

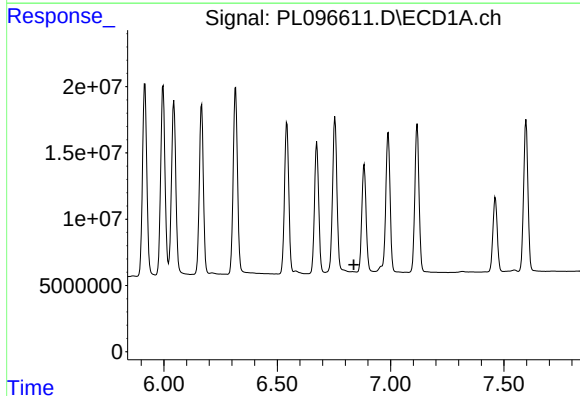
R.T.: 5.996 min
Delta R.T.: -0.005 min
Response: 191709507
Conc: 231.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL072825



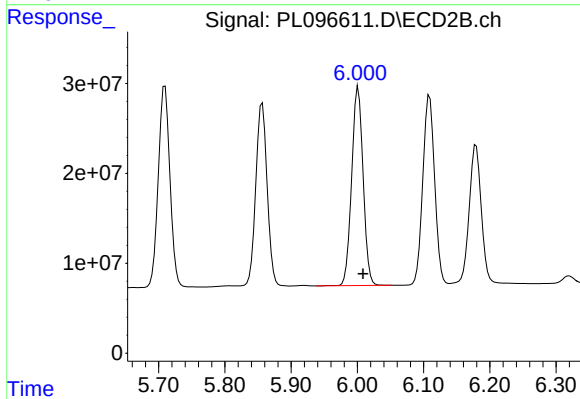
#26 Chlordane-4

R.T.: 5.115 min
Delta R.T.: 0.000 min
Response: 300071767
Conc: 482.17 ng/ml



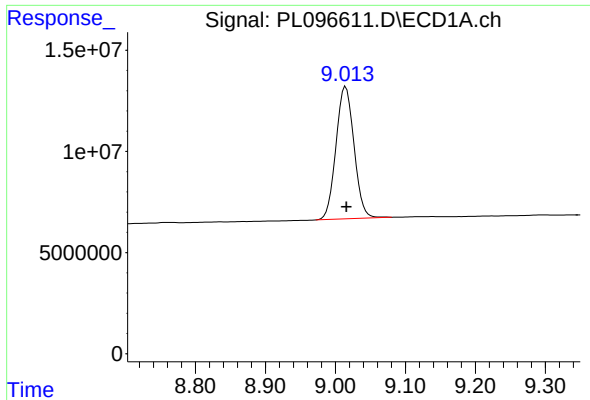
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.838 min
Response: 0
Conc: N.D.



#27 Chlordane-5

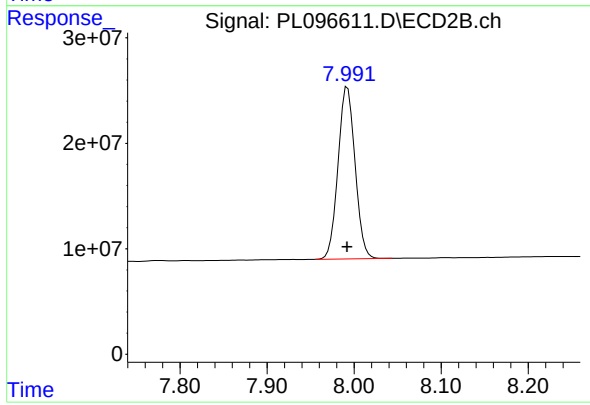
R.T.: 6.001 min
Delta R.T.: -0.007 min
Response: 265195055
Conc: 1039.52 ng/ml



#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\PL081625\
Data File : PL096817.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 09:11
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: Aug 18 05:54:36 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	2.824	67085722	95299446	21.091	19.946
28)	SA Decachlor...	9.006	7.986	52210698	83831500	21.894	19.323

Target Compounds

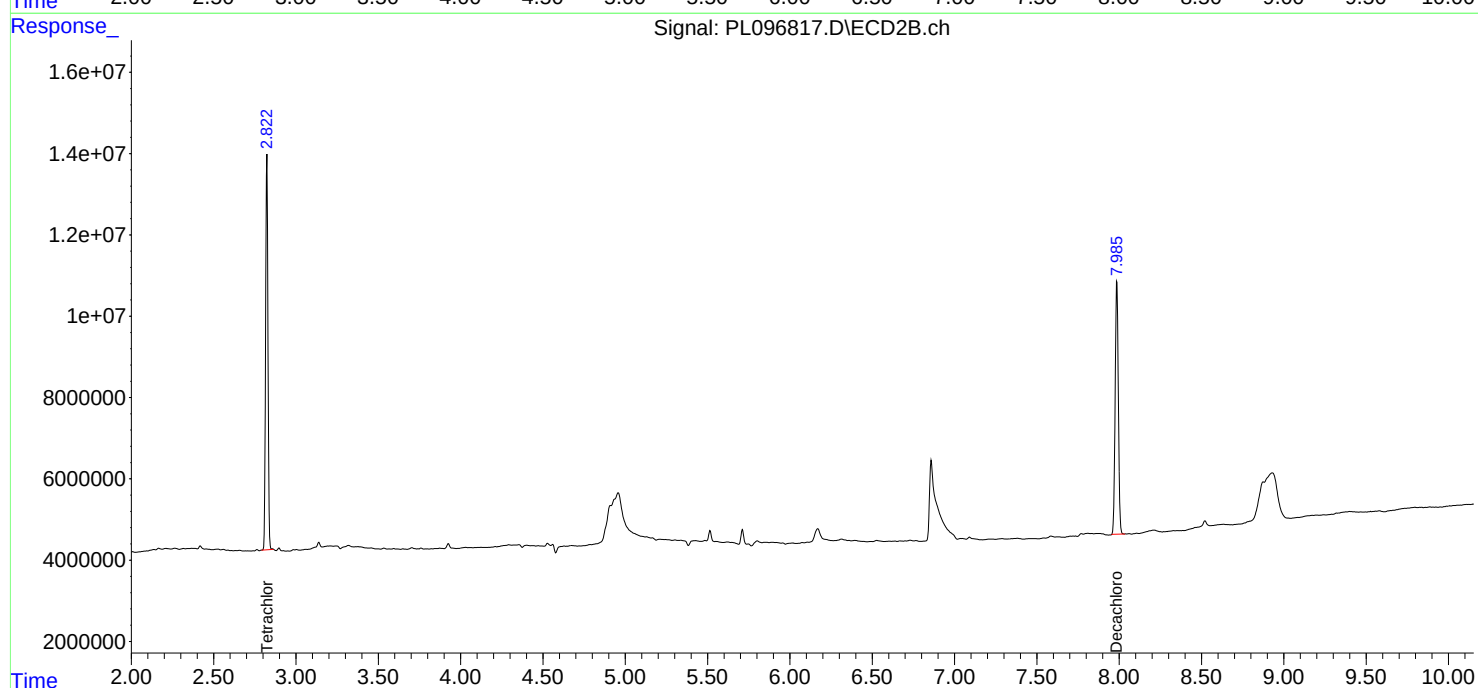
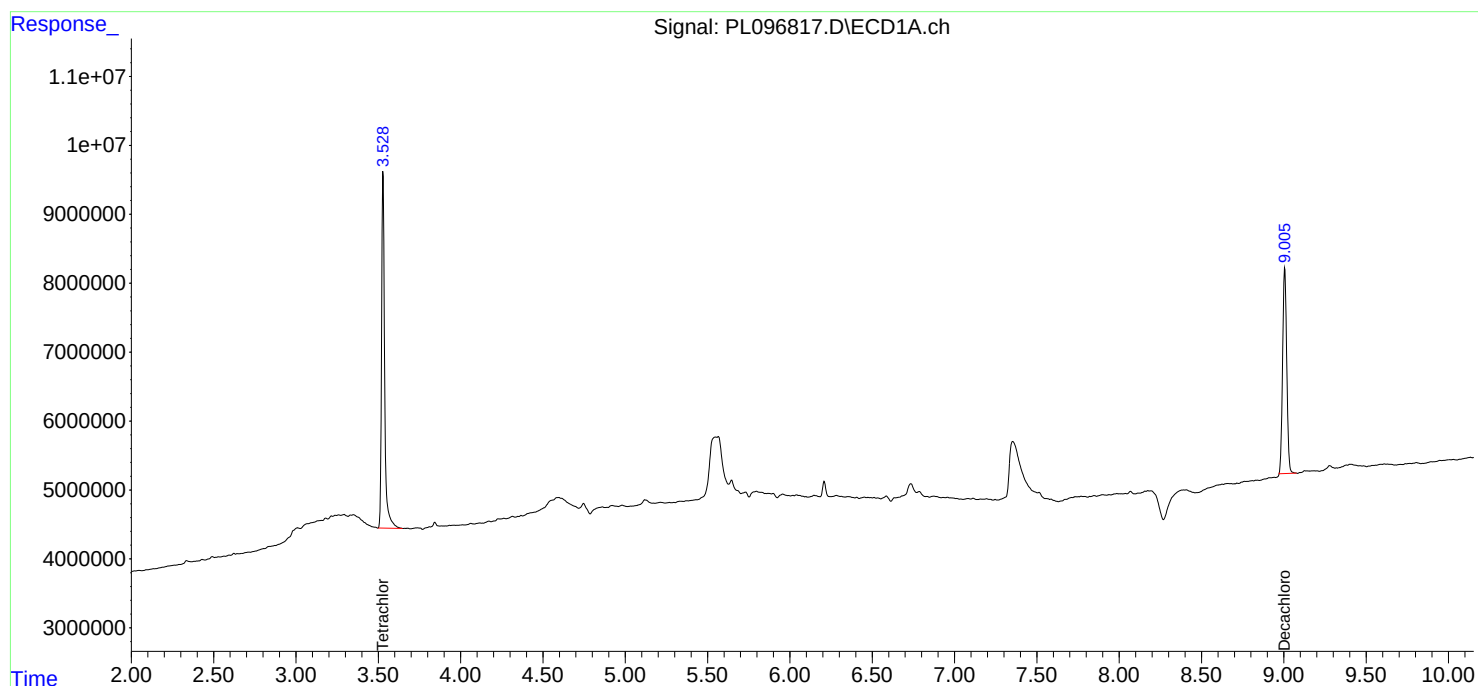
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

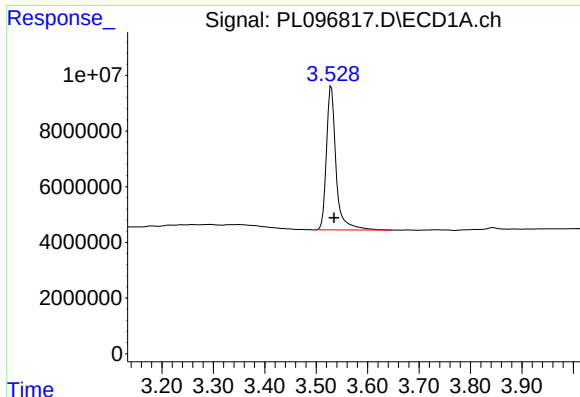
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096817.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 09:11
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:54:36 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

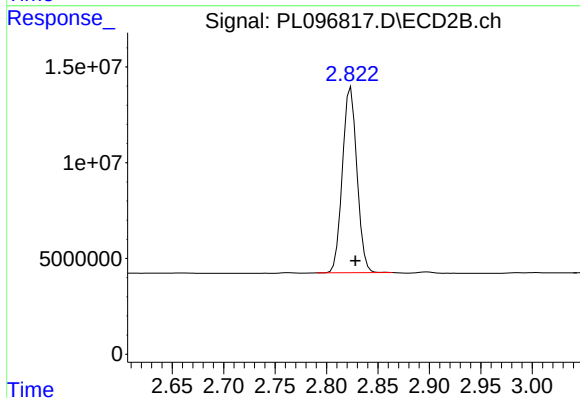




#1 Tetrachloro-m-xylene

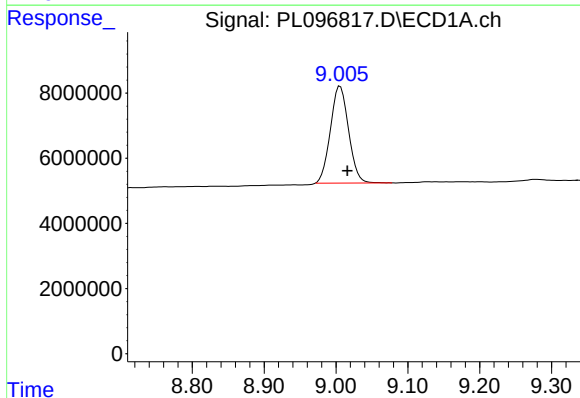
R.T.: 3.529 min
Delta R.T.: -0.006 min
Response: 67085722
Conc: 21.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



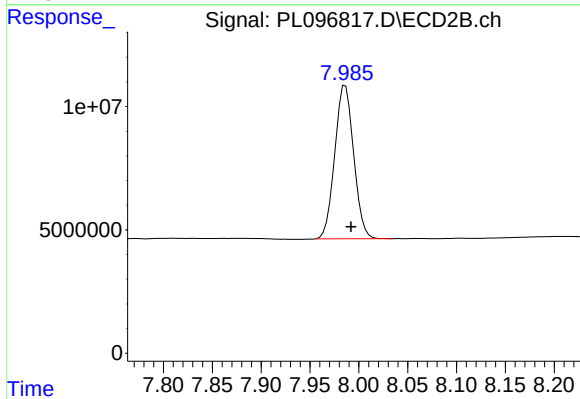
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: -0.004 min
Response: 95299446
Conc: 19.95 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.006 min
Delta R.T.: -0.010 min
Response: 52210698
Conc: 21.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 83831500
Conc: 19.32 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
 Data File : PL096818.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 10:13
 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 05:54:43 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...	3.531	2.826	66146774	96842073	20.796	20.269
28)	SA Decachlor...	9.004	7.987	49966203	85675813	20.953	19.749
Target Compounds							
2)	A alpha-BHC	3.978	3.330	47707827	68862700	10.312	9.730
3)	MA gamma-BHC...	4.306	3.662	46816462	64625617	10.584	9.787
6)	B beta-BHC	4.493	3.959	18826992	30137711	10.431	10.684
8)	B Heptachlo...	5.649	0.000	18535020	0	4.806	N.D. #
13)	MA Dieldrin	0.000	5.413f	0	12133923	N.D.	2.054 #
14)	MA Endrin	6.535	5.706	164.0E6	268.8E6	54.180	49.725
15)	B Endosulfa...	6.733f	0.000	13879018	0	4.334	N.D. #
16)	A 4,4'-DDD	6.673	0.000	8424285	0	3.332	N.D. #
17)	MA 4,4'-DDT	6.983	6.105	307.7E6	523.0E6	107.285	103.402
18)	B Endrin al...	0.000	6.172	0	22480880	N.D.	6.184 #
20)	A Methoxychlor	7.455	6.677	388.4E6	604.7E6	264.496	220.663
21)	B Endrin ke...	0.000	6.897	0	14350987	N.D.	2.577 #

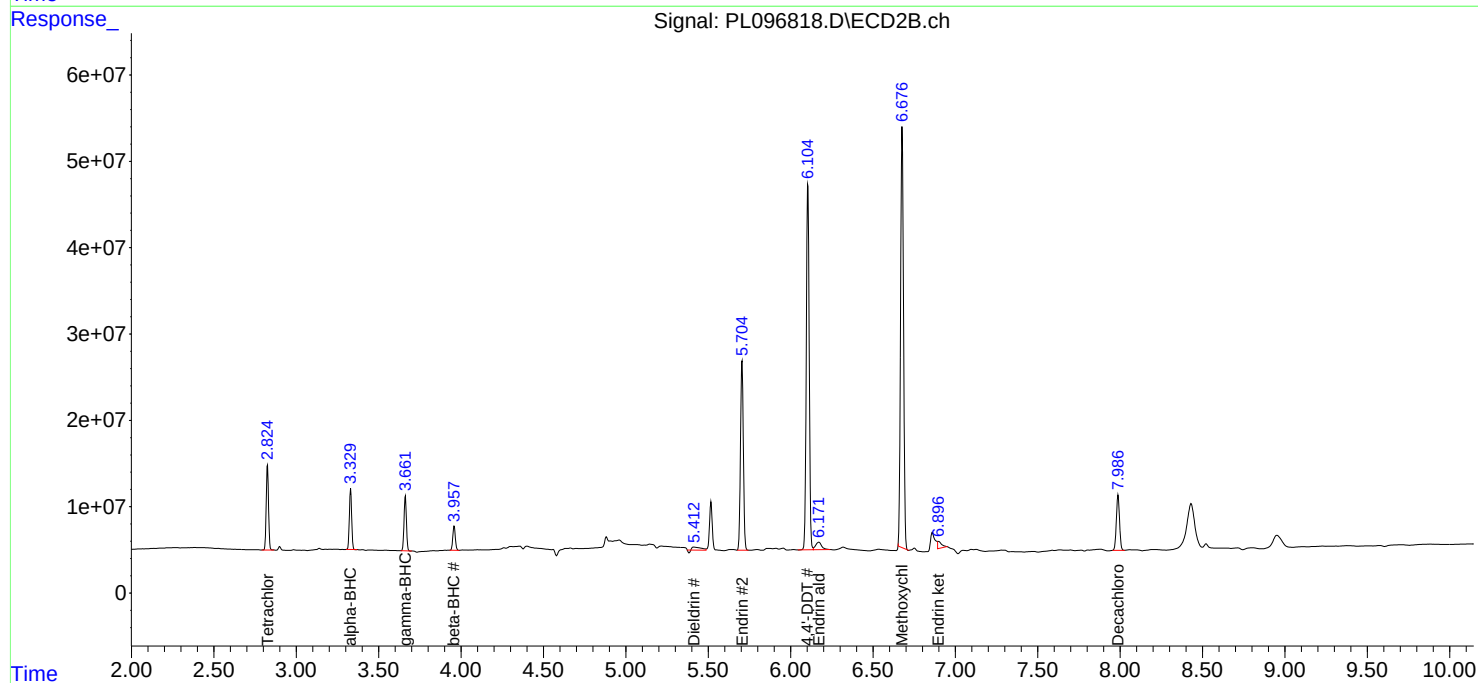
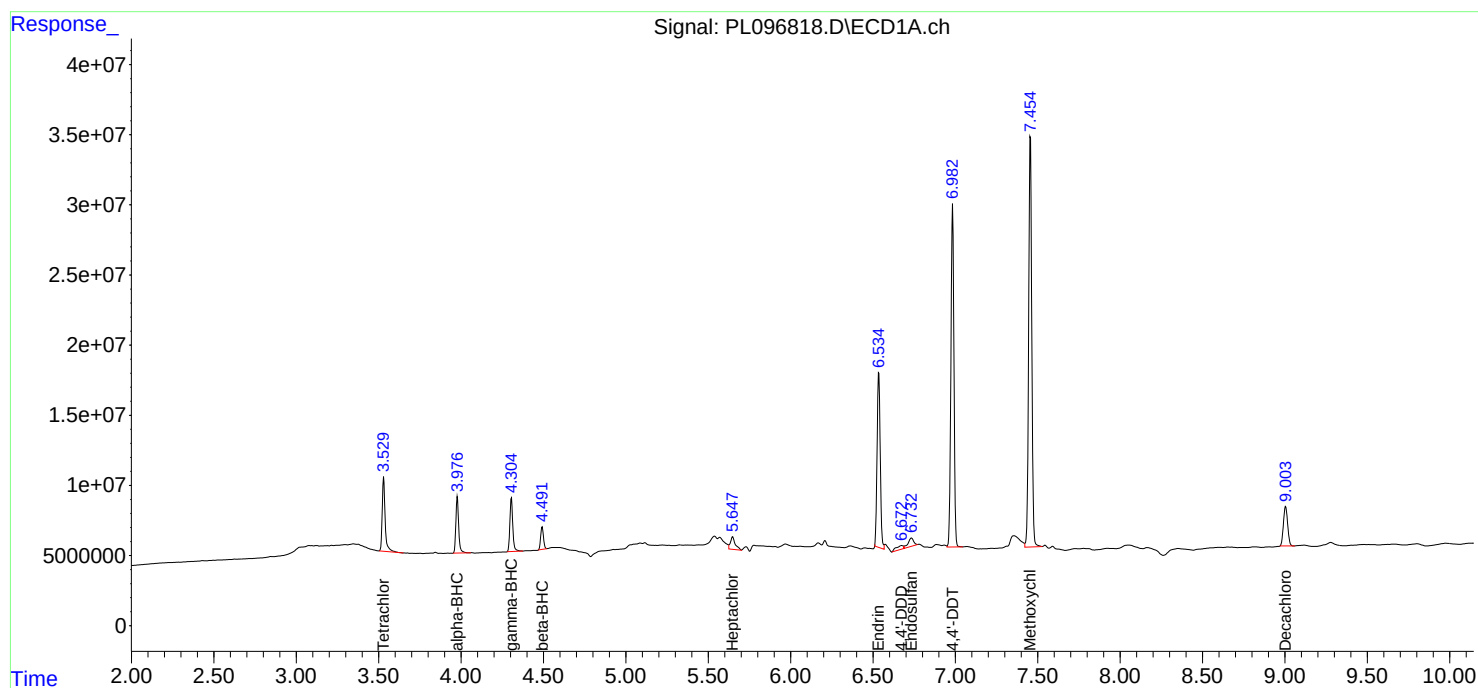
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

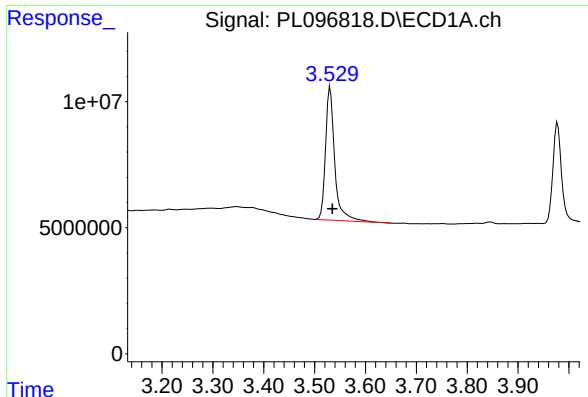
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096818.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 10:13
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:54:43 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

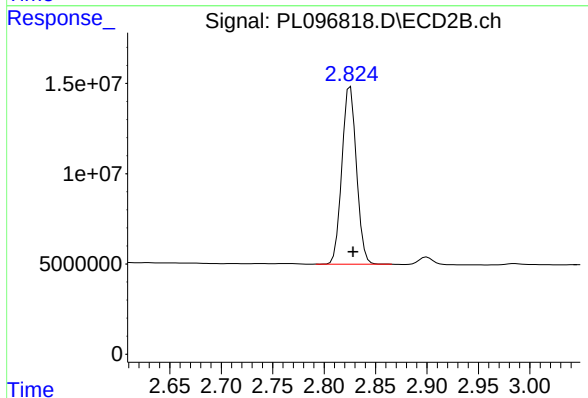




#1 Tetrachloro-m-xylene

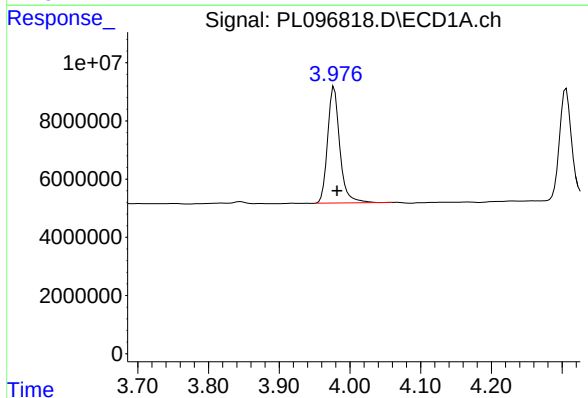
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 66146774
Conc: 20.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



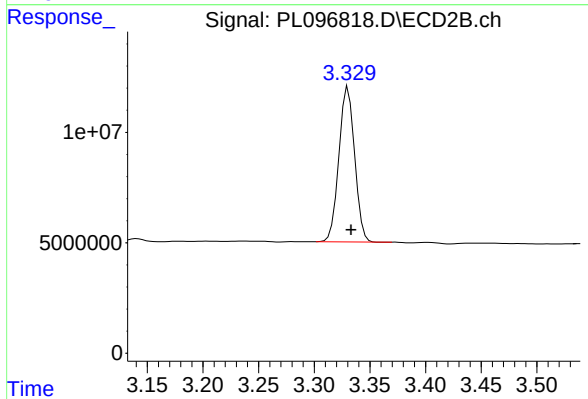
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 96842073
Conc: 20.27 ng/ml



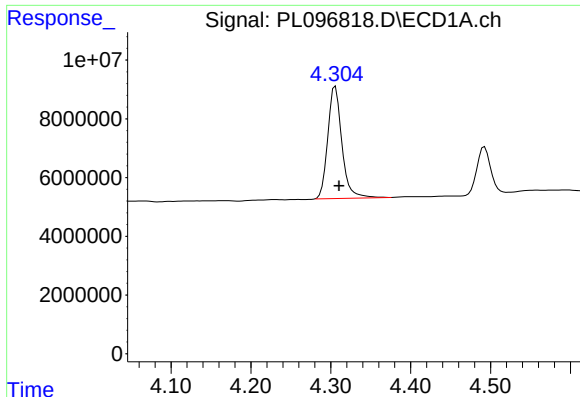
#2 alpha-BHC

R.T.: 3.978 min
Delta R.T.: -0.004 min
Response: 47707827
Conc: 10.31 ng/ml



#2 alpha-BHC

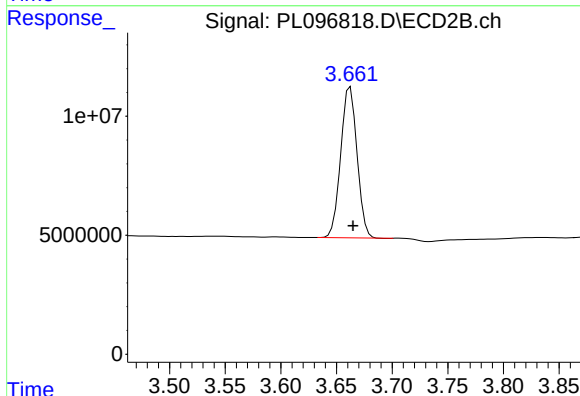
R.T.: 3.330 min
Delta R.T.: -0.003 min
Response: 68862700
Conc: 9.73 ng/ml



#3 gamma-BHC (Lindane)

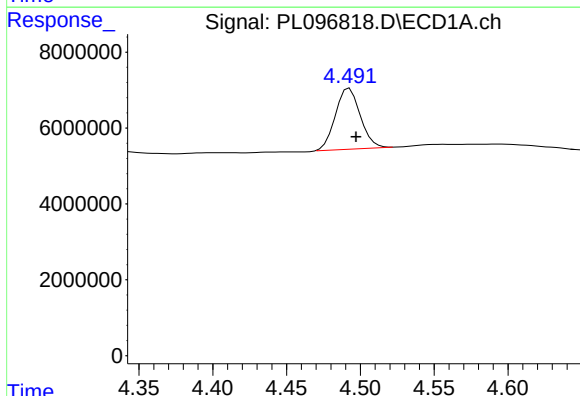
R.T.: 4.306 min
Delta R.T.: -0.005 min
Response: 46816462
Conc: 10.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



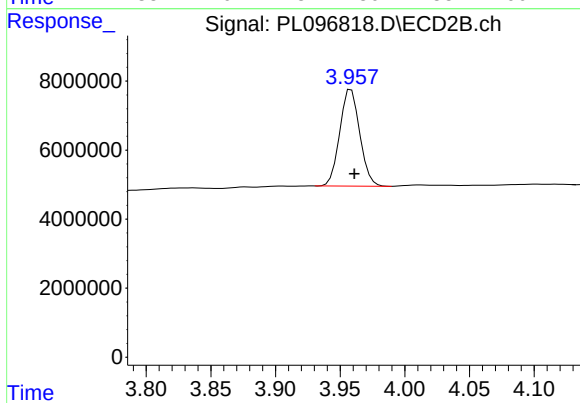
#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: -0.003 min
Response: 64625617
Conc: 9.79 ng/ml



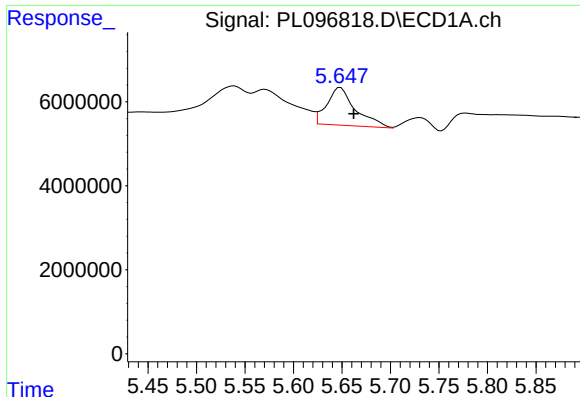
#6 beta-BHC

R.T.: 4.493 min
Delta R.T.: -0.004 min
Response: 18826992
Conc: 10.43 ng/ml



#6 beta-BHC

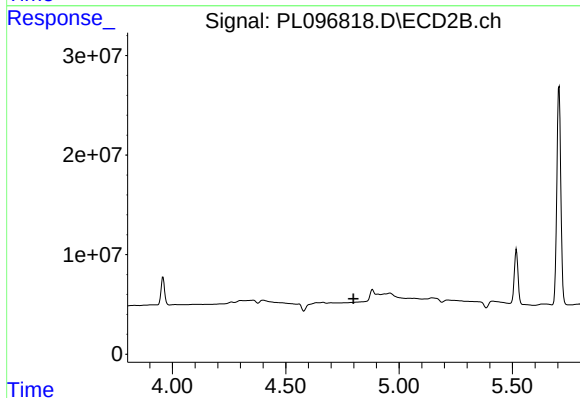
R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 30137711
Conc: 10.68 ng/ml



#8 Heptachlor epoxide

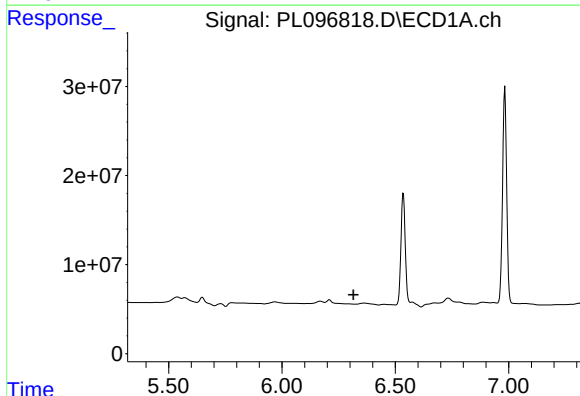
R.T.: 5.649 min
Delta R.T.: -0.014 min
Response: 18535020
Conc: 4.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



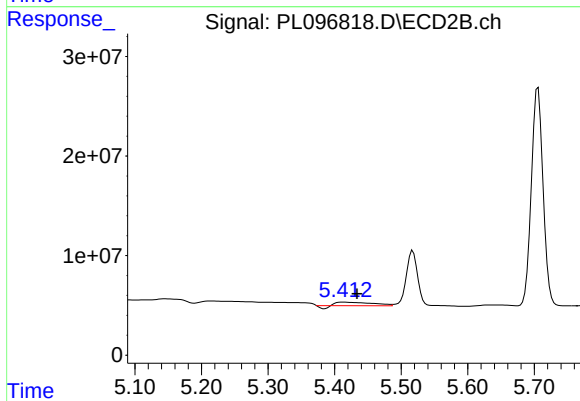
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 4.799 min
Response: 0
Conc: N.D.



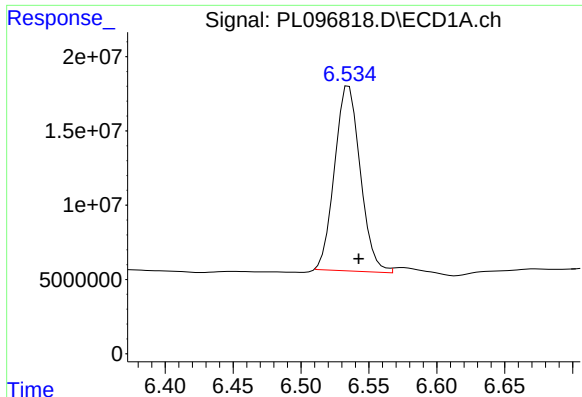
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 6.316 min
Response: 0
Conc: N.D.



#13 Dieldrin

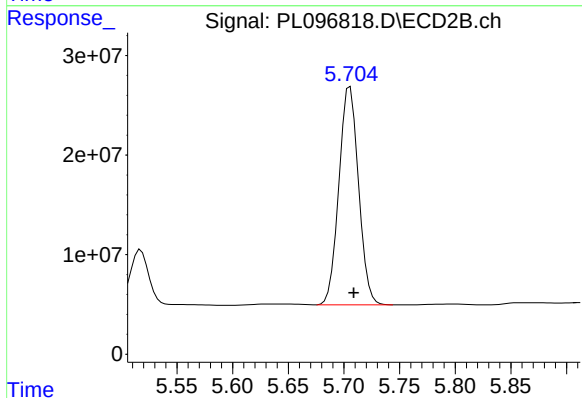
R.T.: 5.413 min
Delta R.T.: -0.021 min
Response: 12133923
Conc: 2.05 ng/ml



#14 Endrin

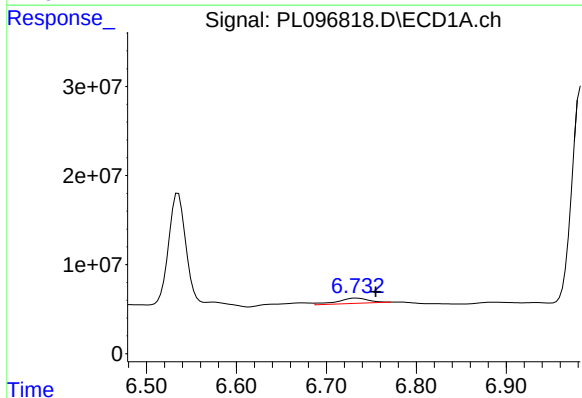
R.T.: 6.535 min
Delta R.T.: -0.007 min
Response: 163991939
Conc: 54.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



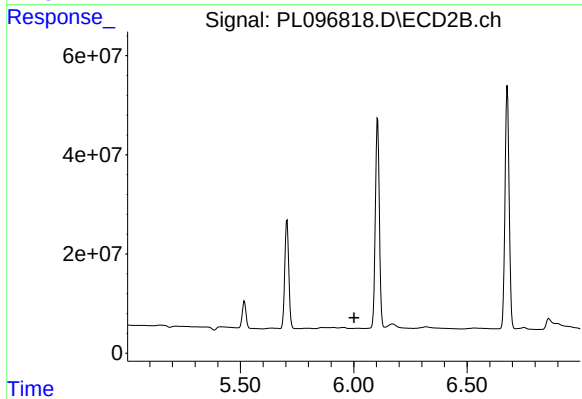
#14 Endrin

R.T.: 5.706 min
Delta R.T.: -0.003 min
Response: 268809359
Conc: 49.72 ng/ml



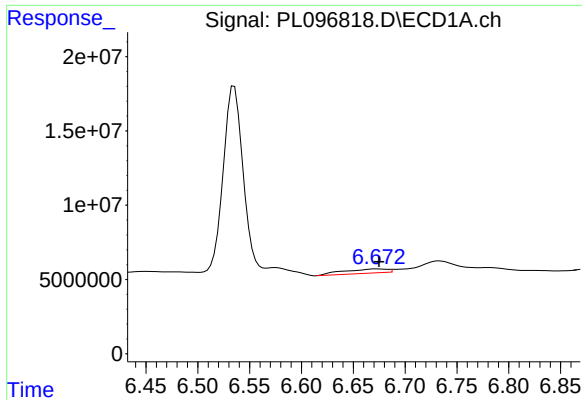
#15 Endosulfan II

R.T.: 6.733 min
Delta R.T.: -0.022 min
Response: 13879018
Conc: 4.33 ng/ml



#15 Endosulfan II

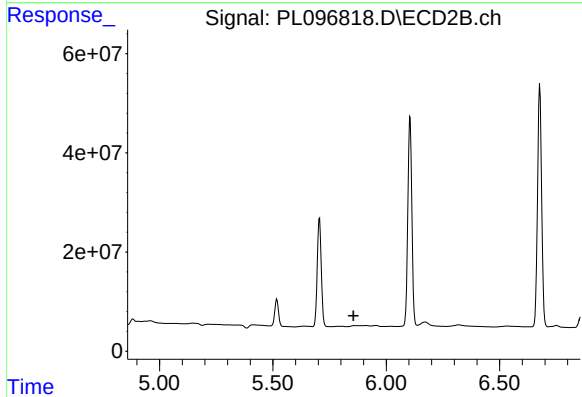
R.T.: 0.000 min
Exp R.T. : 6.001 min
Response: 0
Conc: N.D.



#16 4,4'-DDD

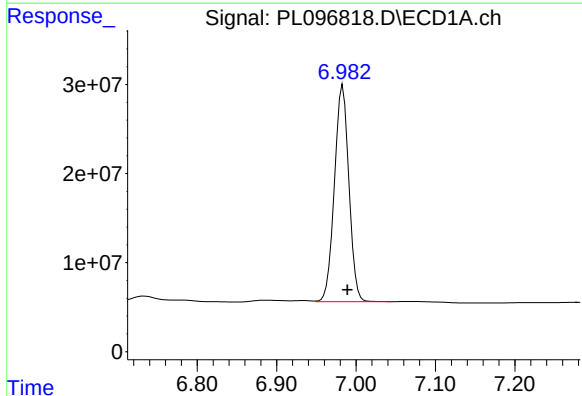
R.T.: 6.673 min
Delta R.T.: -0.002 min
Response: 8424285
Conc: 3.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



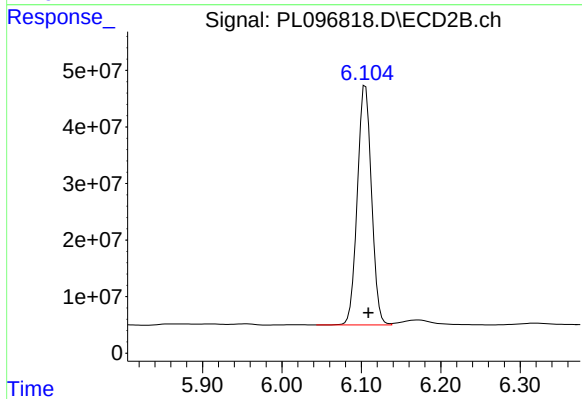
#16 4,4'-DDD

R.T.: 0.000 min
Exp R.T. : 5.856 min
Response: 0
Conc: N.D.



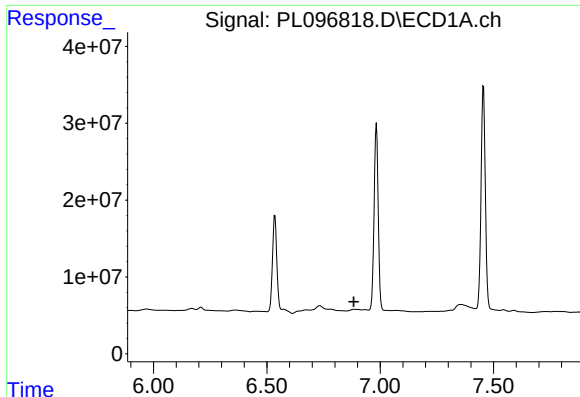
#17 4,4'-DDT

R.T.: 6.983 min
Delta R.T.: -0.006 min
Response: 307659279
Conc: 107.28 ng/ml



#17 4,4'-DDT

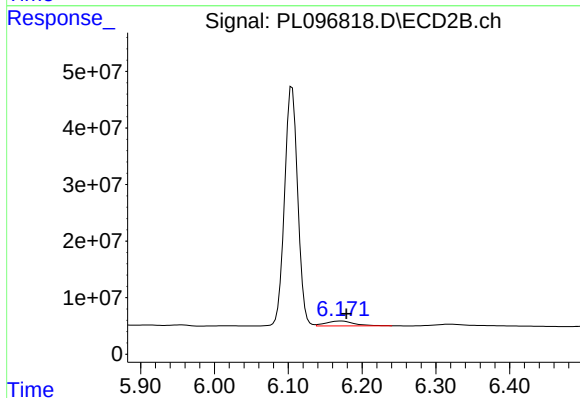
R.T.: 6.105 min
Delta R.T.: -0.004 min
Response: 523036483
Conc: 103.40 ng/ml



#18 Endrin aldehyde

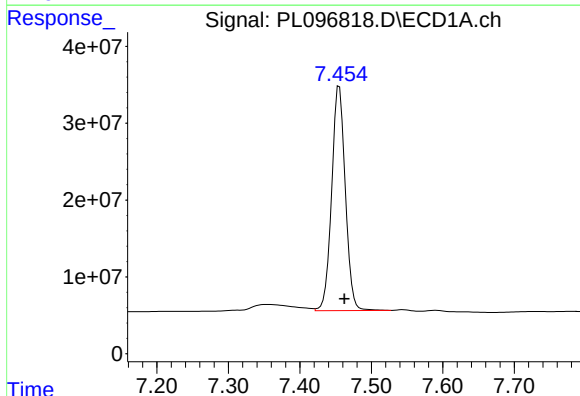
R.T.: 0.000 min
Exp R.T.: 6.884 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



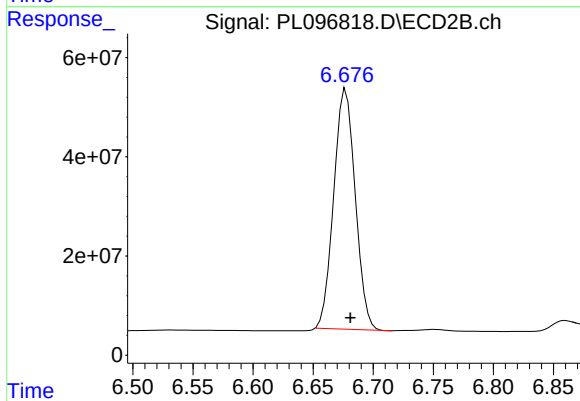
#18 Endrin aldehyde

R.T.: 6.172 min
Delta R.T.: -0.007 min
Response: 22480880
Conc: 6.18 ng/ml



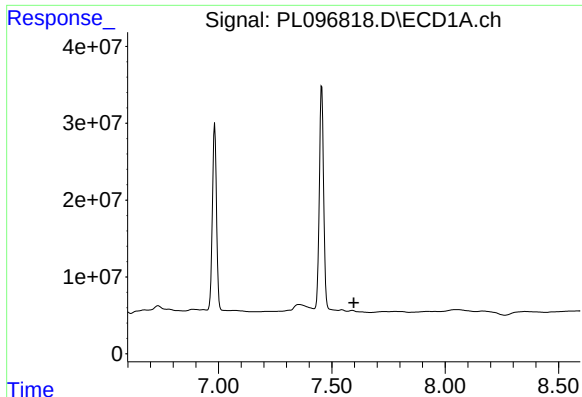
#20 Methoxychlor

R.T.: 7.455 min
Delta R.T.: -0.007 min
Response: 388373800
Conc: 264.50 ng/ml



#20 Methoxychlor

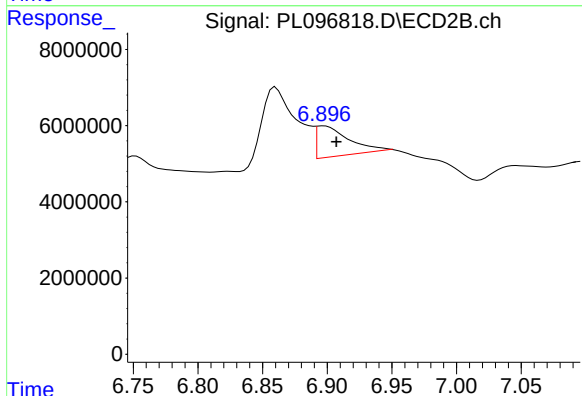
R.T.: 6.677 min
Delta R.T.: -0.004 min
Response: 604725336
Conc: 220.66 ng/ml



#21 Endrin ketone

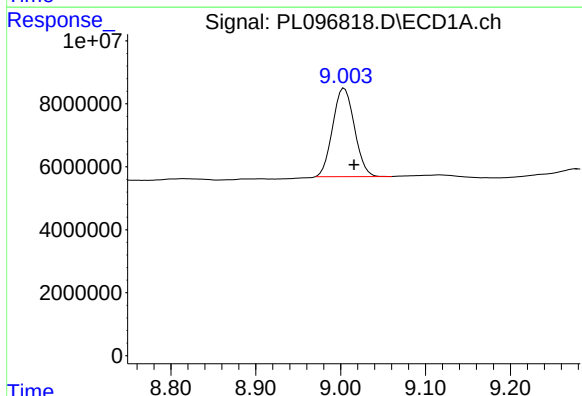
R.T.: 0.000 min
Exp R.T.: 7.597 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



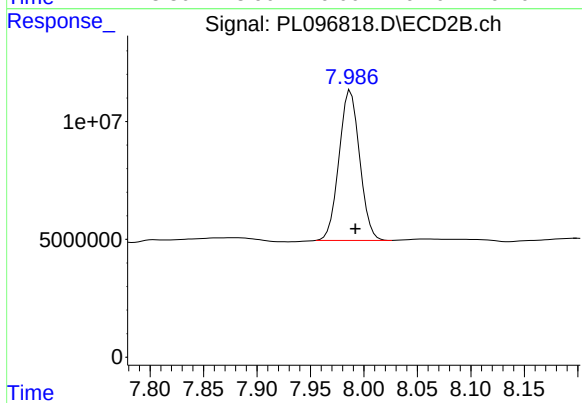
#21 Endrin ketone

R.T.: 6.897 min
Delta R.T.: -0.010 min
Response: 14350987
Conc: 2.58 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.011 min
Response: 49966203
Conc: 20.95 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 85675813
Conc: 19.75 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
 Data File : PL096819.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 10:58
 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 05:54:51 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	173.6E6	258.7E6	54.574	54.143
2)	SA Decachlor...	9.009	7.987	127.8E6	209.1E6	53.584	48.192
Target Compounds							
2)	A alpha-BHC	3.977	3.328	258.8E6	377.1E6	55.941	53.290
3)	MA gamma-BHC...	4.305	3.660	230.8E6	349.6E6	52.174	52.938
4)	MA Heptachlor	4.897	4.009	248.7E6	345.4E6	59.841	51.850
5)	MB Aldrin	5.237	4.291	238.5E6	317.1E6	55.458	51.080
6)	B beta-BHC	4.492	3.956	92716647	148.2E6	51.367	52.522
7)	B delta-BHC	4.738	4.189	224.7E6	337.8E6	56.322	52.180
8)	B Heptachlo...	5.657	4.794	206.2E6	291.8E6	53.473	51.083
9)	A Endosulfan I	6.039	5.165	198.1E6	277.0E6	55.090	50.075
10)	B gamma-Chl...	5.911	5.046	214.3E6	310.4E6	56.305	52.789
11)	B alpha-Chl...	5.992	5.110	213.7E6	303.9E6	55.429	51.520
12)	B 4,4'-DDE	6.162	5.299	183.4E6	286.5E6	57.098	51.952
13)	MA Dieldrin	6.311	5.430	201.5E6	302.9E6	54.299	51.283
14)	MA Endrin	6.537	5.704	164.0E6	275.4E6	54.168	50.951
15)	B Endosulfa...	6.750	5.996	181.7E6	291.5E6	56.739	56.746
16)	A 4,4'-DDD	6.670	5.852	153.5E6	240.2E6	60.694	51.048
17)	MA 4,4'-DDT	6.985	6.105	158.5E6	279.8E6	55.256	55.319
18)	B Endrin al...	6.879	6.174	122.6E6	188.4E6	57.114	51.827
19)	B Endosulfa...	7.113	6.398	151.1E6	252.7E6	52.569	49.688
20)	A Methoxychlor	7.457	6.677	80618417	138.3E6	54.904	50.460
21)	B Endrin ke...	7.592	6.903	159.7E6	280.3E6	53.123	50.322
22)	Mirex	8.071	7.092	128.9E6	216.7E6	51.989	49.693
24)	Chlordane-2	5.237f	4.439f	238.5E6	18561319	1362.958	76.513 #
25)	Chlordane-3	5.911	5.046	214.3E6	310.4E6	320.770	446.433 #
26)	Chlordane-4	5.992	5.110	213.7E6	303.9E6	258.136	488.341 #
27)	Chlordane-5	0.000	5.996	0	291.5E6	N.D.	1142.484 #

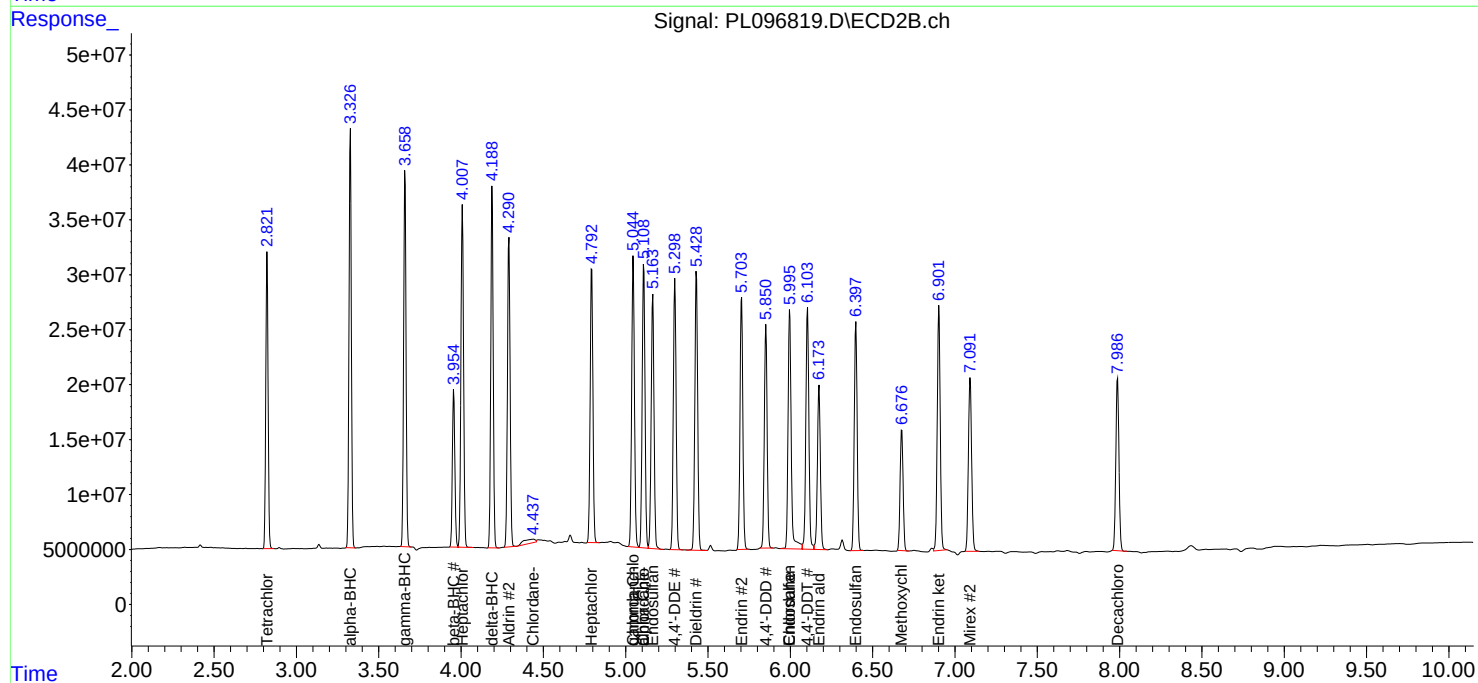
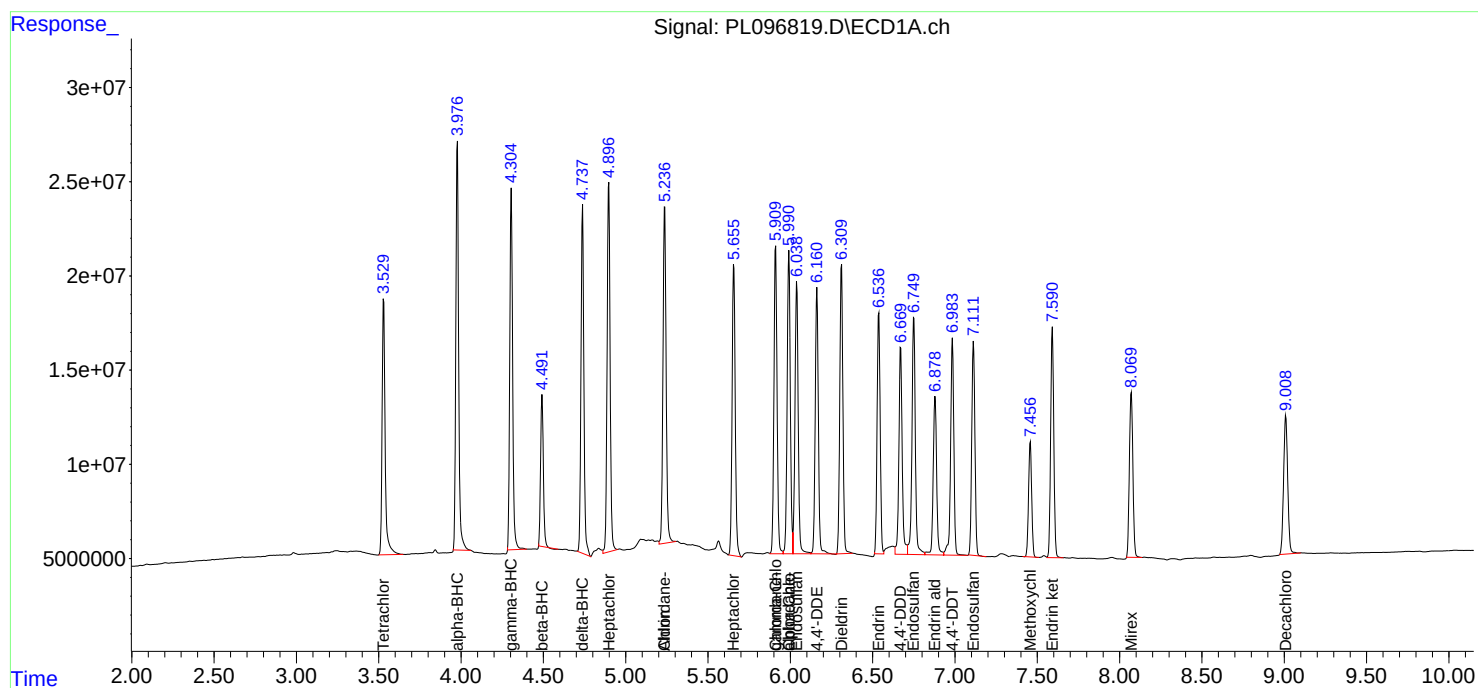
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

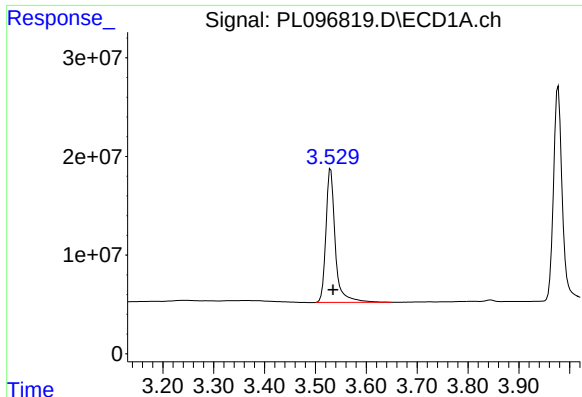
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096819.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 10:58
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:54:51 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

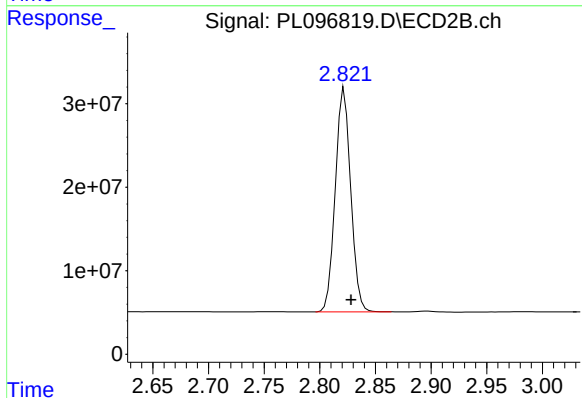




#1 Tetrachloro-m-xylene

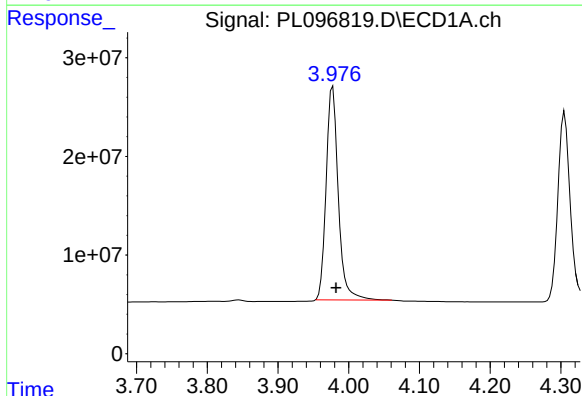
R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 173588834
Conc: 54.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



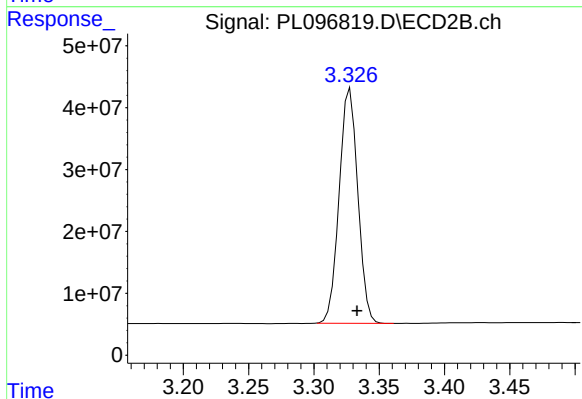
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.006 min
Response: 258683720
Conc: 54.14 ng/ml



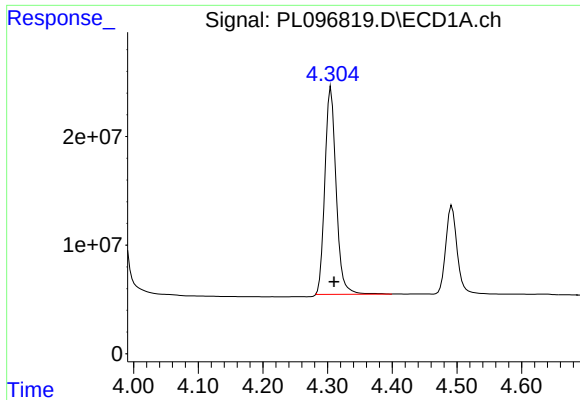
#2 alpha-BHC

R.T.: 3.977 min
Delta R.T.: -0.005 min
Response: 258805129
Conc: 55.94 ng/ml



#2 alpha-BHC

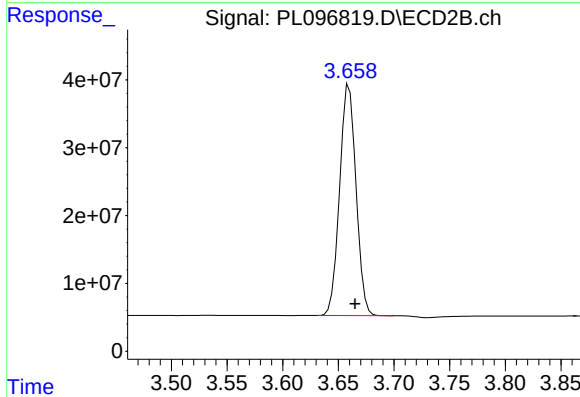
R.T.: 3.328 min
Delta R.T.: -0.005 min
Response: 377136964
Conc: 53.29 ng/ml



#3 gamma-BHC (Lindane)

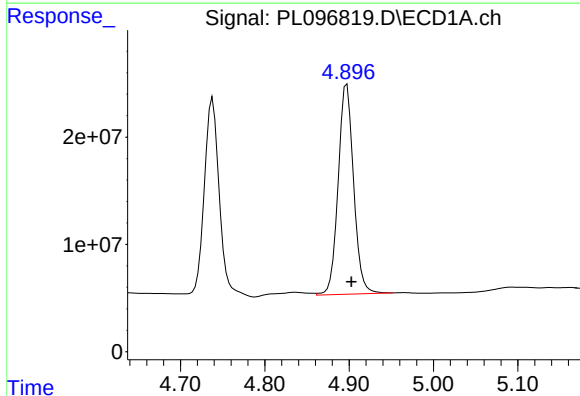
R.T.: 4.305 min
Delta R.T.: -0.005 min
Response: 230787677
Conc: 52.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



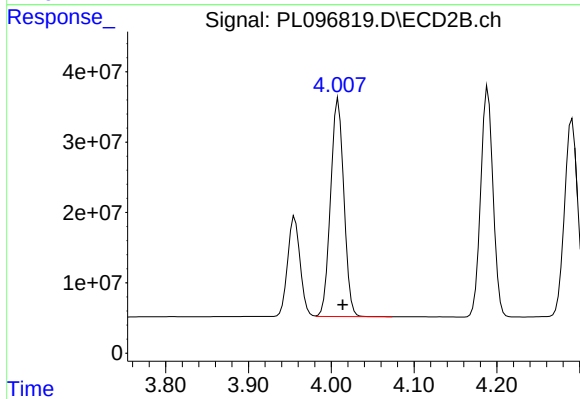
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: -0.005 min
Response: 349570640
Conc: 52.94 ng/ml



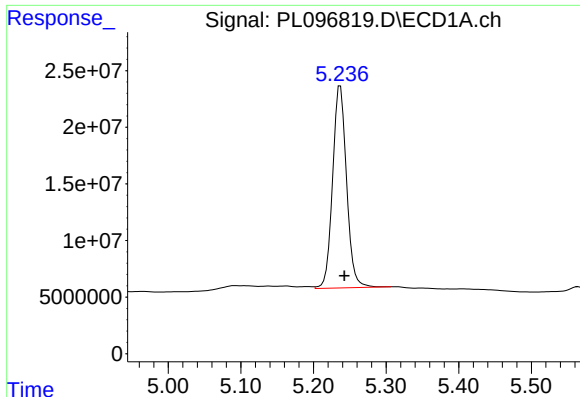
#4 Heptachlor

R.T.: 4.897 min
Delta R.T.: -0.005 min
Response: 248682326
Conc: 59.84 ng/ml



#4 Heptachlor

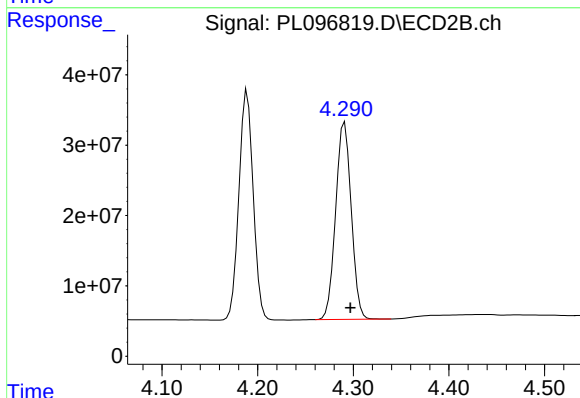
R.T.: 4.009 min
Delta R.T.: -0.005 min
Response: 345419725
Conc: 51.85 ng/ml



#5 Aldrin

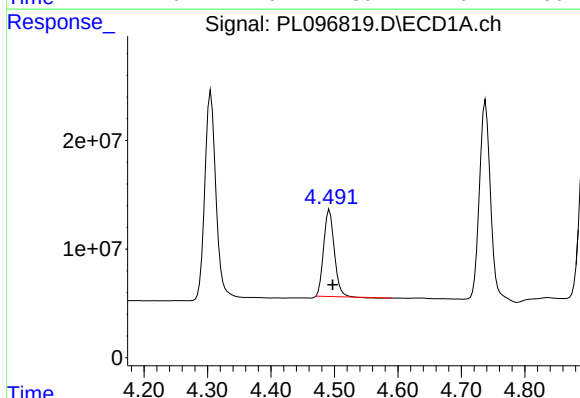
R.T.: 5.237 min
Delta R.T.: -0.006 min
Response: 238527024
Conc: 55.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



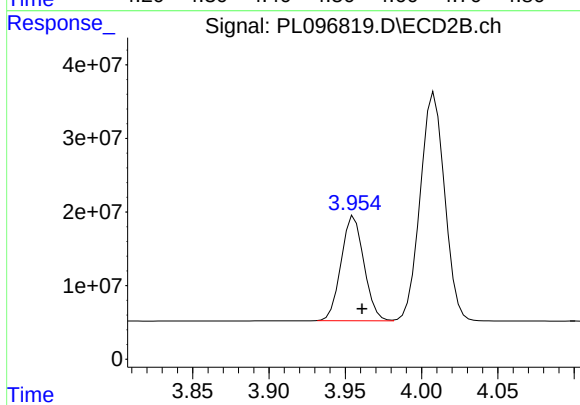
#5 Aldrin

R.T.: 4.291 min
Delta R.T.: -0.006 min
Response: 317057424
Conc: 51.08 ng/ml



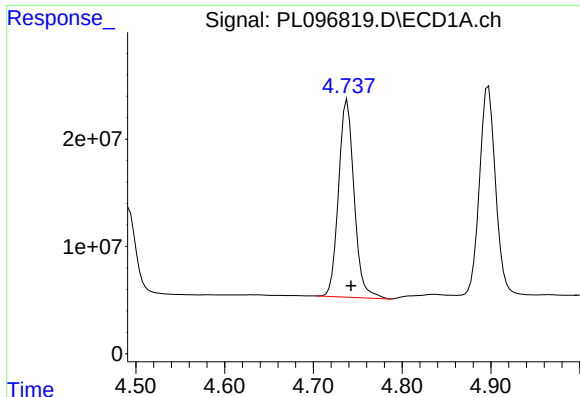
#6 beta-BHC

R.T.: 4.492 min
Delta R.T.: -0.005 min
Response: 92716647
Conc: 51.37 ng/ml



#6 beta-BHC

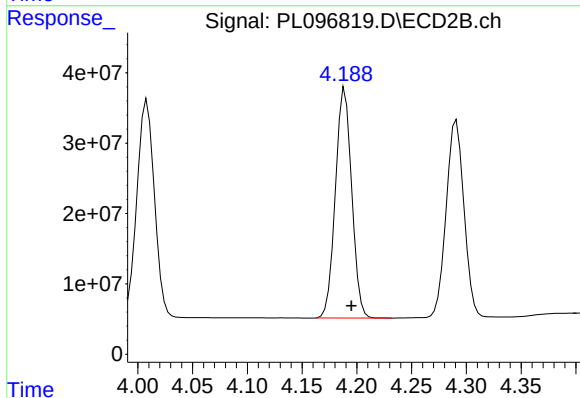
R.T.: 3.956 min
Delta R.T.: -0.005 min
Response: 148157872
Conc: 52.52 ng/ml



#7 delta-BHC

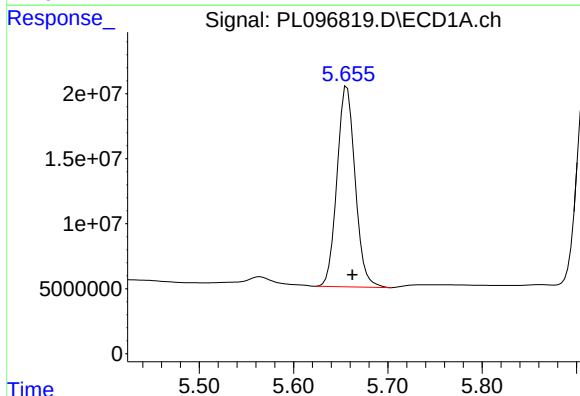
R.T.: 4.738 min
Delta R.T.: -0.004 min
Response: 224715371
Conc: 56.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



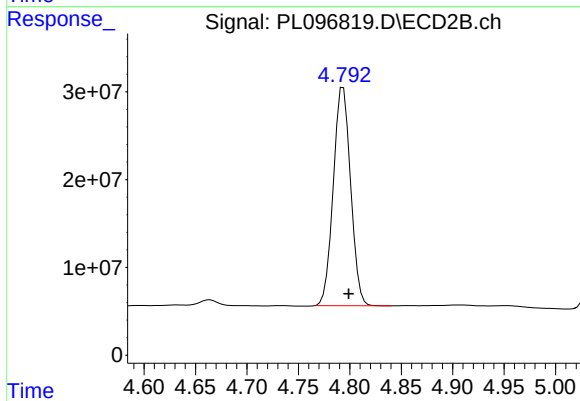
#7 delta-BHC

R.T.: 4.189 min
Delta R.T.: -0.006 min
Response: 337794712
Conc: 52.18 ng/ml



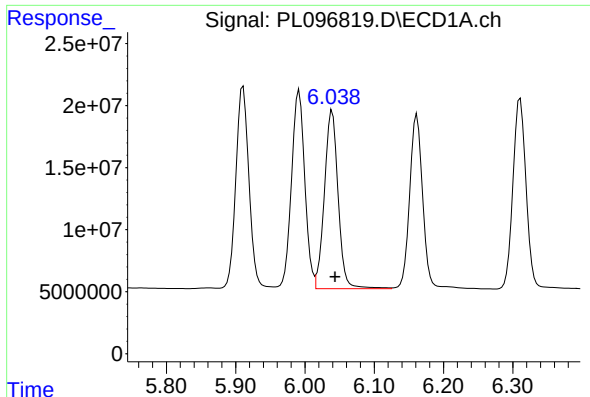
#8 Heptachlor epoxide

R.T.: 5.657 min
Delta R.T.: -0.005 min
Response: 206221416
Conc: 53.47 ng/ml



#8 Heptachlor epoxide

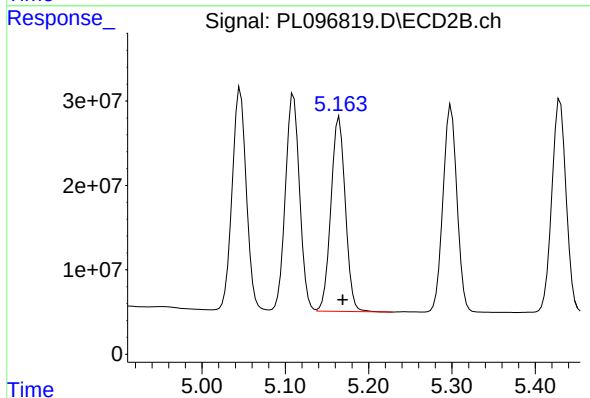
R.T.: 4.794 min
Delta R.T.: -0.005 min
Response: 291750031
Conc: 51.08 ng/ml



#9 Endosulfan I

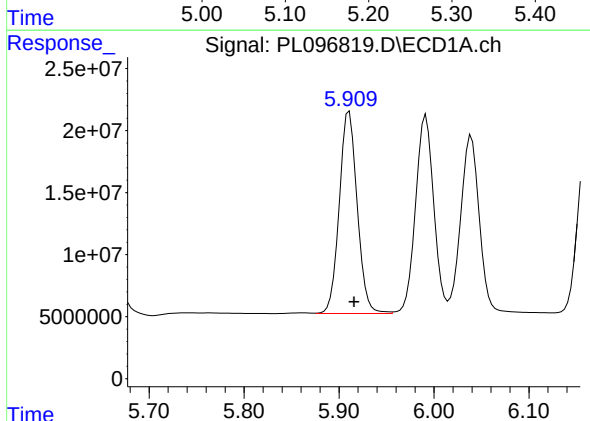
R.T.: 6.039 min
Delta R.T.: -0.004 min
Response: 198123782
Conc: 55.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



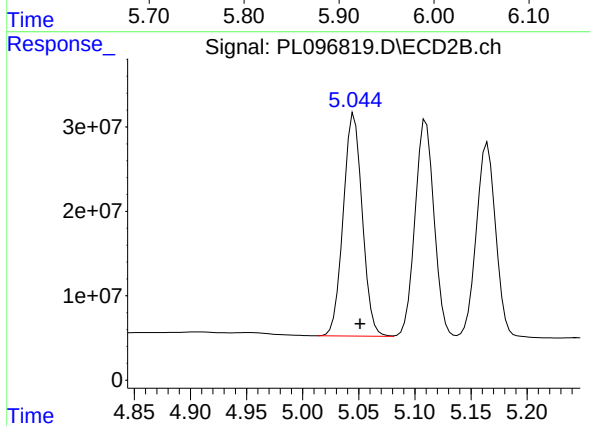
#9 Endosulfan I

R.T.: 5.165 min
Delta R.T.: -0.004 min
Response: 276983051
Conc: 50.07 ng/ml



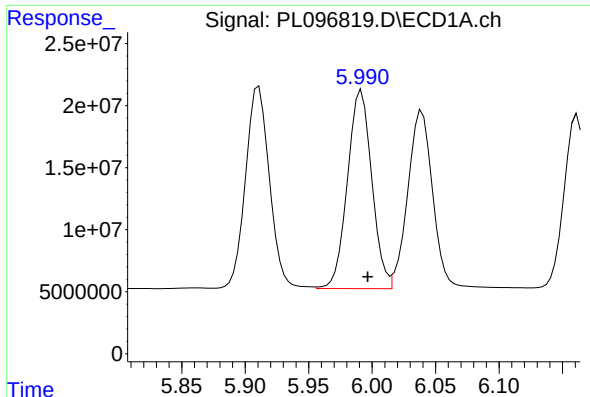
#10 gamma-Chlordane

R.T.: 5.911 min
Delta R.T.: -0.005 min
Response: 214254477
Conc: 56.31 ng/ml



#10 gamma-Chlordane

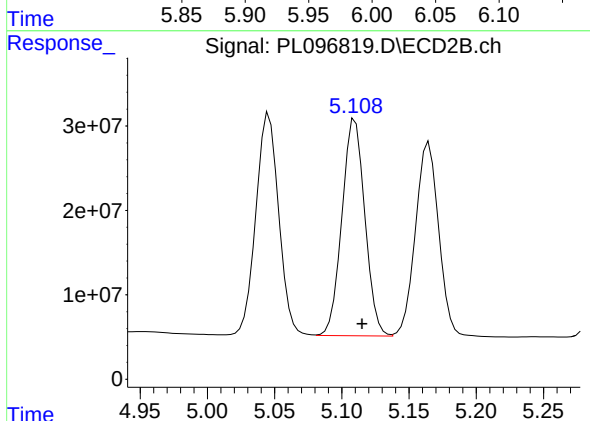
R.T.: 5.046 min
Delta R.T.: -0.005 min
Response: 310405952
Conc: 52.79 ng/ml



#11 alpha-Chlordane

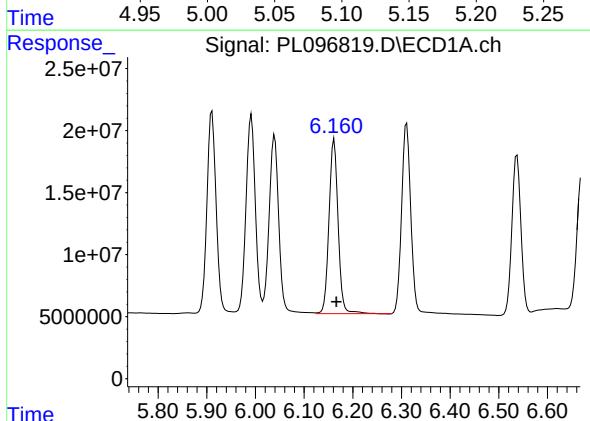
R.T.: 5.992 min
Delta R.T.: -0.005 min
Response: 213658778
Conc: 55.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



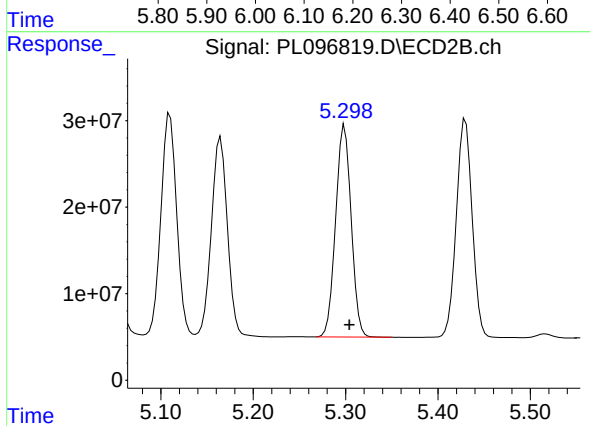
#11 alpha-Chlordane

R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 303910082
Conc: 51.52 ng/ml



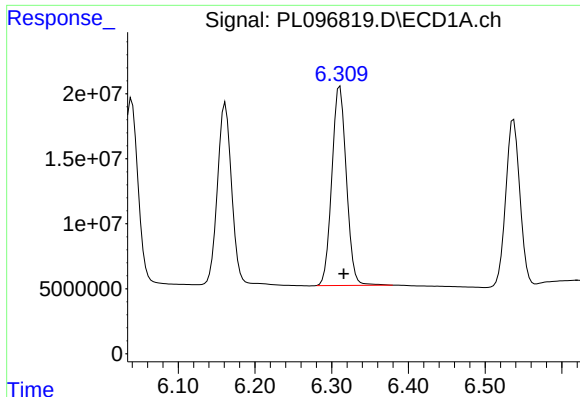
#12 4,4'-DDE

R.T.: 6.162 min
Delta R.T.: -0.005 min
Response: 183355642
Conc: 57.10 ng/ml



#12 4,4'-DDE

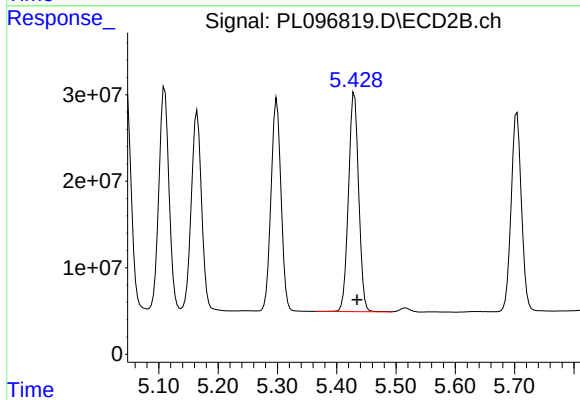
R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 286484870
Conc: 51.95 ng/ml



#13 Dieldrin

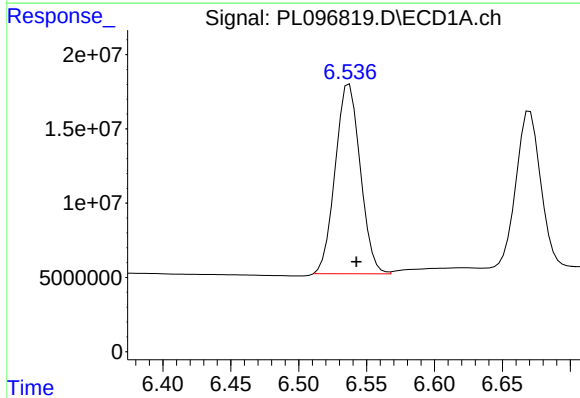
R.T.: 6.311 min
Delta R.T.: -0.005 min
Response: 201510129
Conc: 54.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



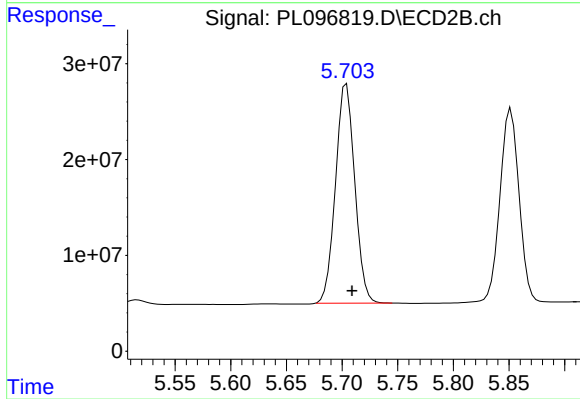
#13 Dieldrin

R.T.: 5.430 min
Delta R.T.: -0.004 min
Response: 302906139
Conc: 51.28 ng/ml



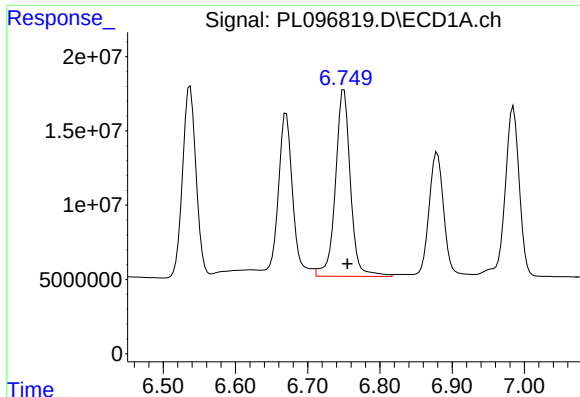
#14 Endrin

R.T.: 6.537 min
Delta R.T.: -0.005 min
Response: 163954583
Conc: 54.17 ng/ml



#14 Endrin

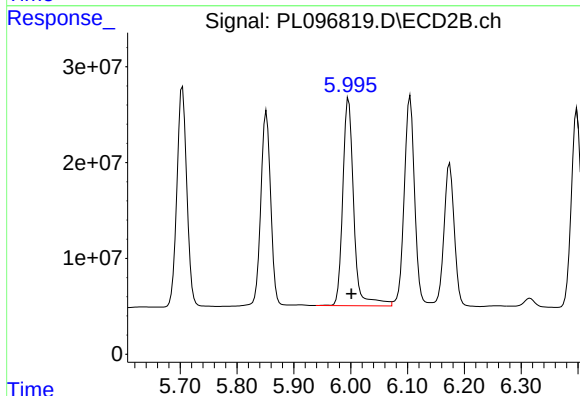
R.T.: 5.704 min
Delta R.T.: -0.005 min
Response: 275437287
Conc: 50.95 ng/ml



#15 Endosulfan II

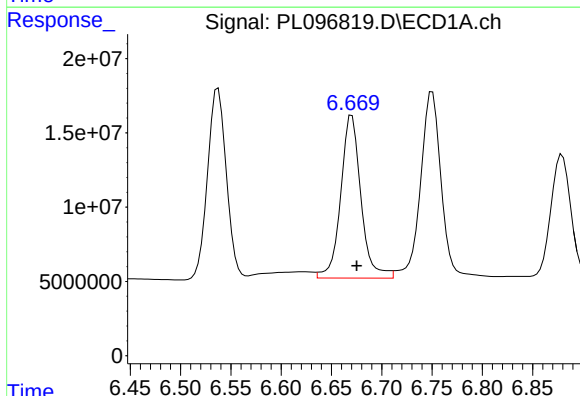
R.T.: 6.750 min
Delta R.T.: -0.005 min
Response: 181715837
Conc: 56.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



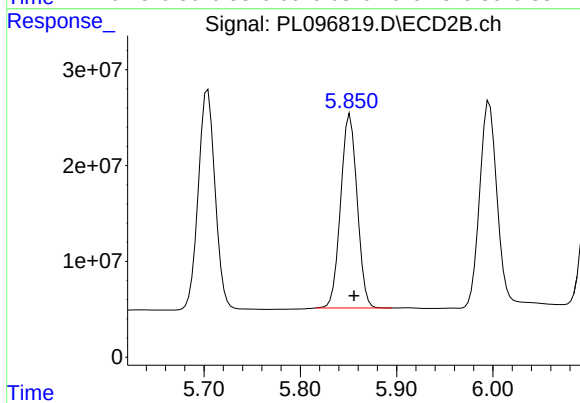
#15 Endosulfan II

R.T.: 5.996 min
Delta R.T.: -0.005 min
Response: 291461407
Conc: 56.75 ng/ml



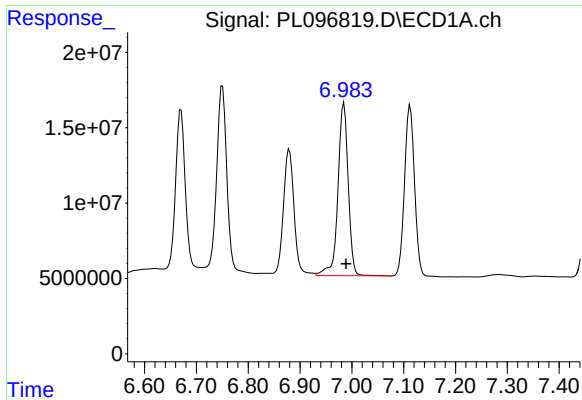
#16 4,4'-DDD

R.T.: 6.670 min
Delta R.T.: -0.005 min
Response: 153457756
Conc: 60.69 ng/ml



#16 4,4'-DDD

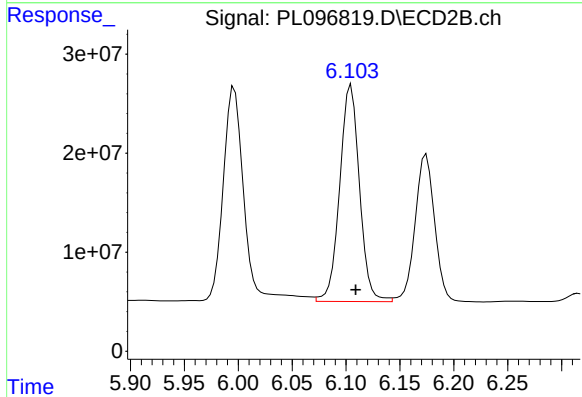
R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 240194386
Conc: 51.05 ng/ml



#17 4,4'-DDT

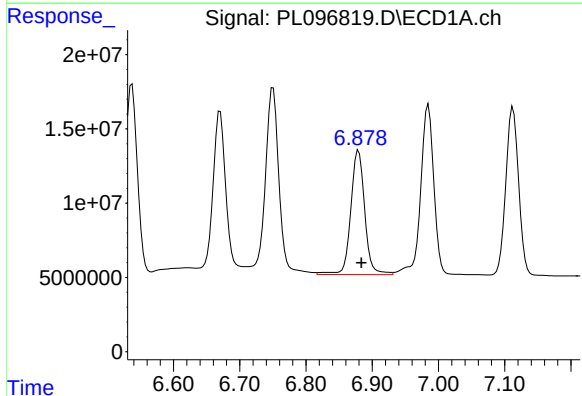
R.T.: 6.985 min
Delta R.T.: -0.004 min
Response: 158456518
Conc: 55.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



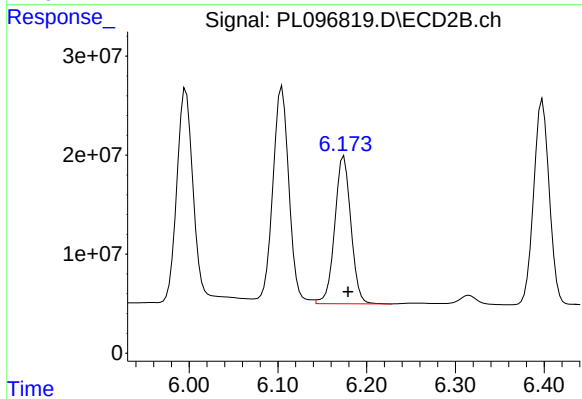
#17 4,4'-DDT

R.T.: 6.105 min
Delta R.T.: -0.004 min
Response: 279819657
Conc: 55.32 ng/ml



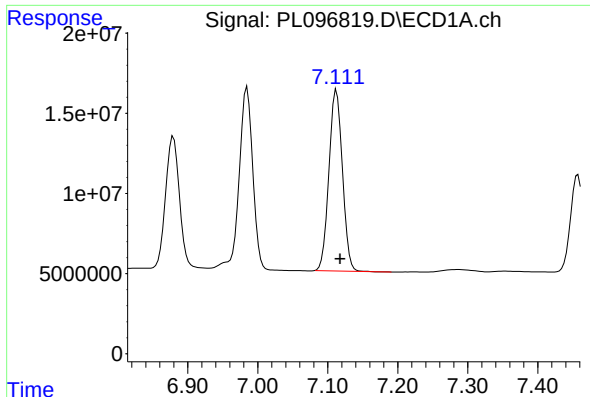
#18 Endrin aldehyde

R.T.: 6.879 min
Delta R.T.: -0.004 min
Response: 122561784
Conc: 57.11 ng/ml



#18 Endrin aldehyde

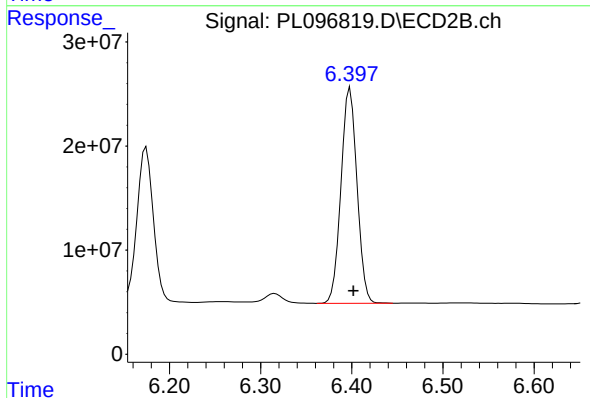
R.T.: 6.174 min
Delta R.T.: -0.005 min
Response: 188393647
Conc: 51.83 ng/ml



#19 Endosulfan Sulfate

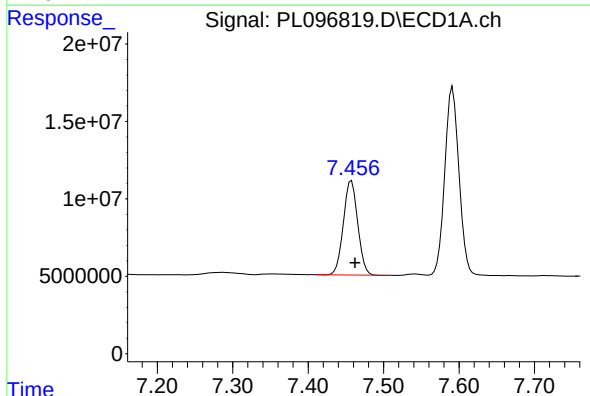
R.T.: 7.113 min
Delta R.T.: -0.005 min
Response: 151067060
Conc: 52.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



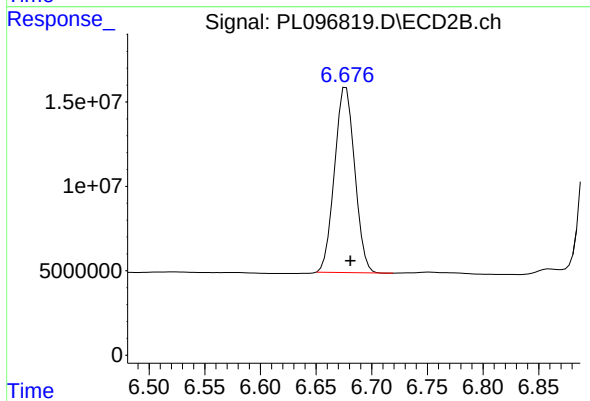
#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 252725524
Conc: 49.69 ng/ml



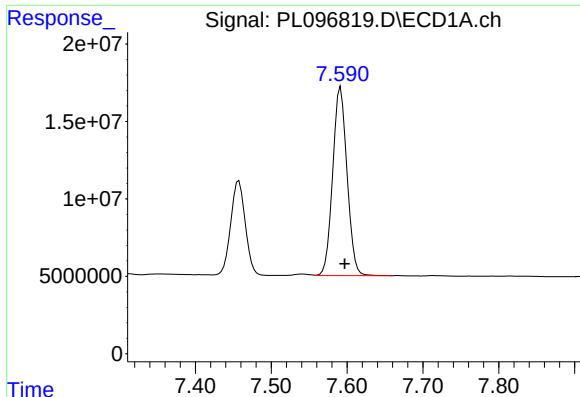
#20 Methoxychlor

R.T.: 7.457 min
Delta R.T.: -0.005 min
Response: 80618417
Conc: 54.90 ng/ml



#20 Methoxychlor

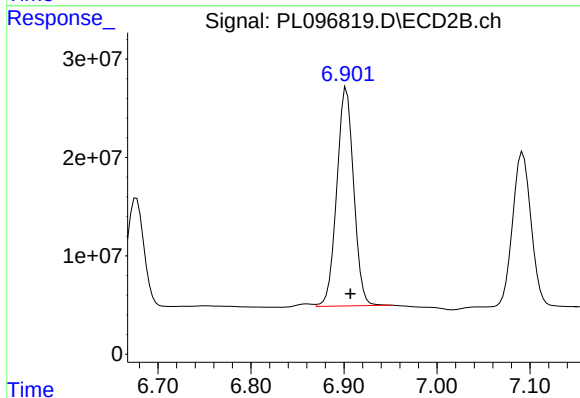
R.T.: 6.677 min
Delta R.T.: -0.004 min
Response: 138285984
Conc: 50.46 ng/ml



#21 Endrin ketone

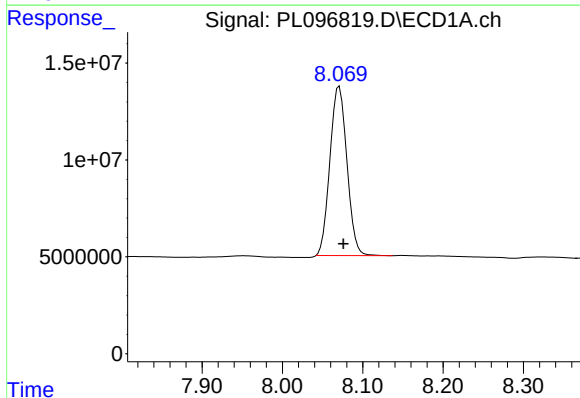
R.T.: 7.592 min
Delta R.T.: -0.005 min
Response: 159725679
Conc: 53.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



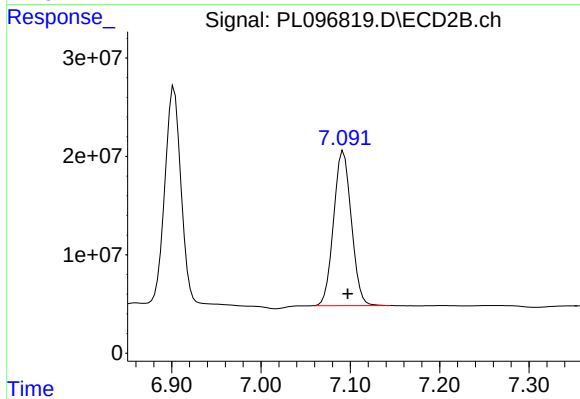
#21 Endrin ketone

R.T.: 6.903 min
Delta R.T.: -0.004 min
Response: 280283510
Conc: 50.32 ng/ml



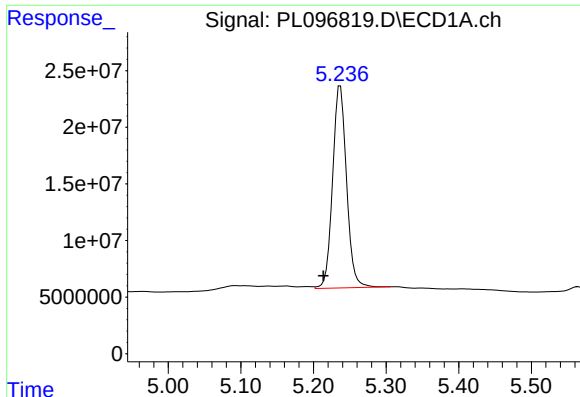
#22 Mirex

R.T.: 8.071 min
Delta R.T.: -0.005 min
Response: 128899173
Conc: 51.99 ng/ml



#22 Mirex

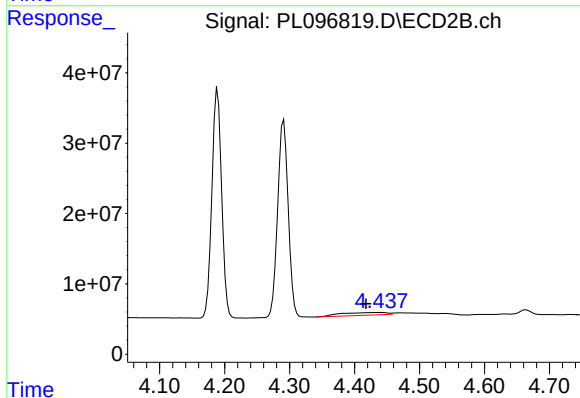
R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 216703290
Conc: 49.69 ng/ml



#24 Chlordane-2

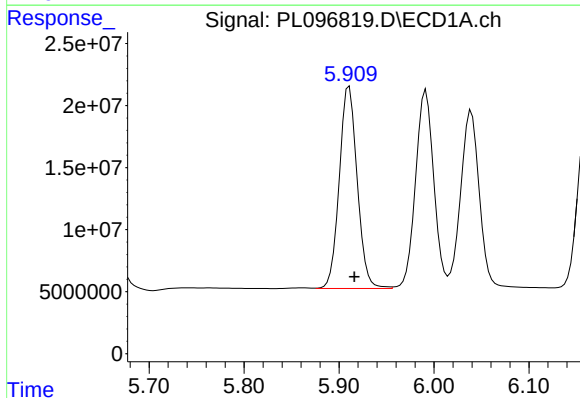
R.T.: 5.237 min
Delta R.T.: 0.023 min
Response: 238527024
Conc: 1362.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



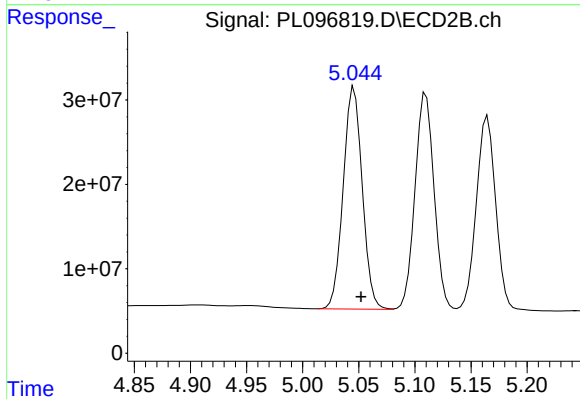
#24 Chlordane-2

R.T.: 4.439 min
Delta R.T.: 0.021 min
Response: 18561319
Conc: 76.51 ng/ml



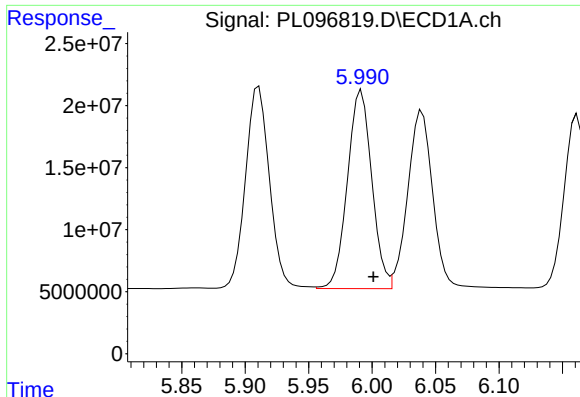
#25 Chlordane-3

R.T.: 5.911 min
Delta R.T.: -0.006 min
Response: 214254477
Conc: 320.77 ng/ml



#25 Chlordane-3

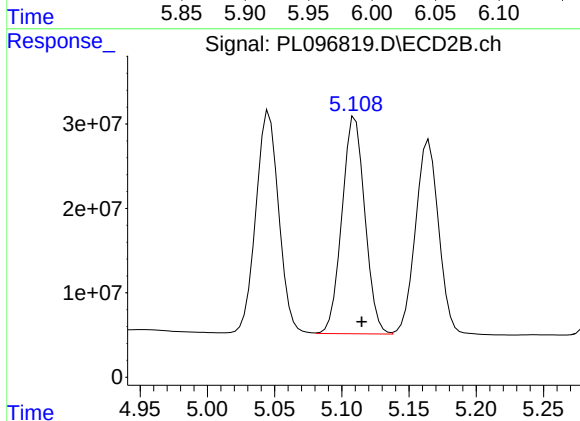
R.T.: 5.046 min
Delta R.T.: -0.006 min
Response: 310405952
Conc: 446.43 ng/ml



#26 Chlordane-4

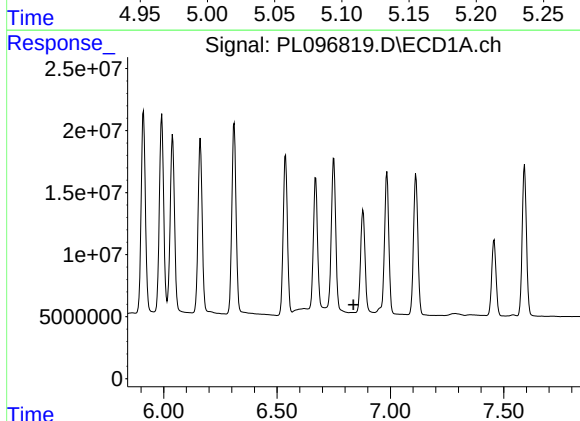
R.T.: 5.992 min
Delta R.T.: -0.009 min
Response: 213658778
Conc: 258.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



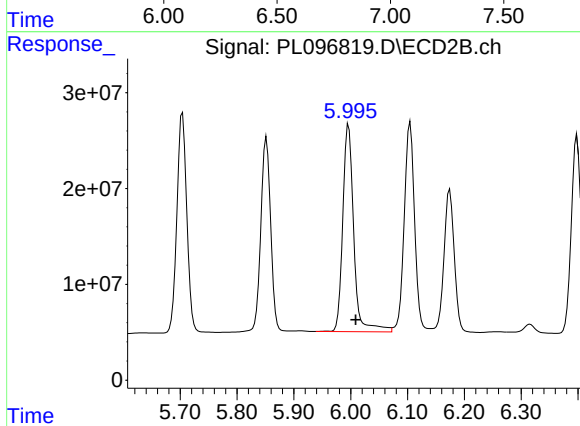
#26 Chlordane-4

R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 303910082
Conc: 488.34 ng/ml



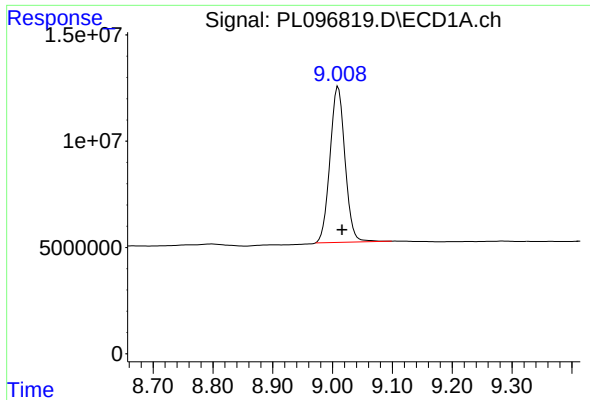
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.838 min
Response: 0
Conc: N.D.



#27 Chlordane-5

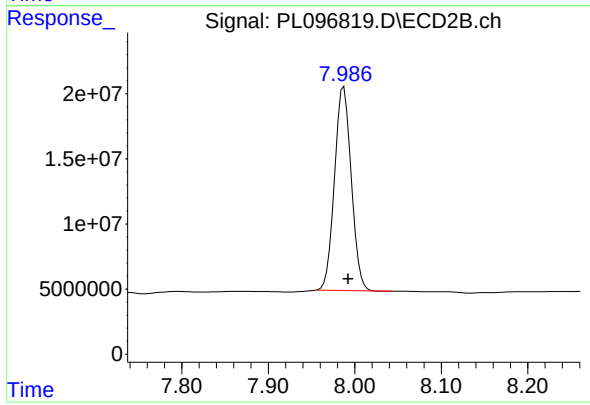
R.T.: 5.996 min
Delta R.T.: -0.012 min
Response: 291461407
Conc: 1142.48 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.009 min
Delta R.T.: -0.006 min
Response: 127780741
Conc: 53.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 209072671
Conc: 48.19 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
 Data File : PL096822.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 16:07
 Operator : AR\AJ
 Sample : PB169225BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB169225BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 05:55:08 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	62200378	94174771	19.555	19.711
28)	SA Decachlor...	9.005	7.987	48085872	89293709	20.165	20.583
Target Compounds							
4)	MA Heptachlor	4.925f	0.000	5440554	0	1.309	N.D. #
8)	B Heptachlo...	5.647	0.000	4482918	0	1.162	N.D. #
14)	MA Endrin	0.000	5.714	0	9802454	N.D.	1.813 #
15)	B Endosulfa...	6.736f	0.000	10273648	0	3.208	N.D. #
18)	B Endrin al...	0.000	6.167	0	24550070	N.D.	6.754 #

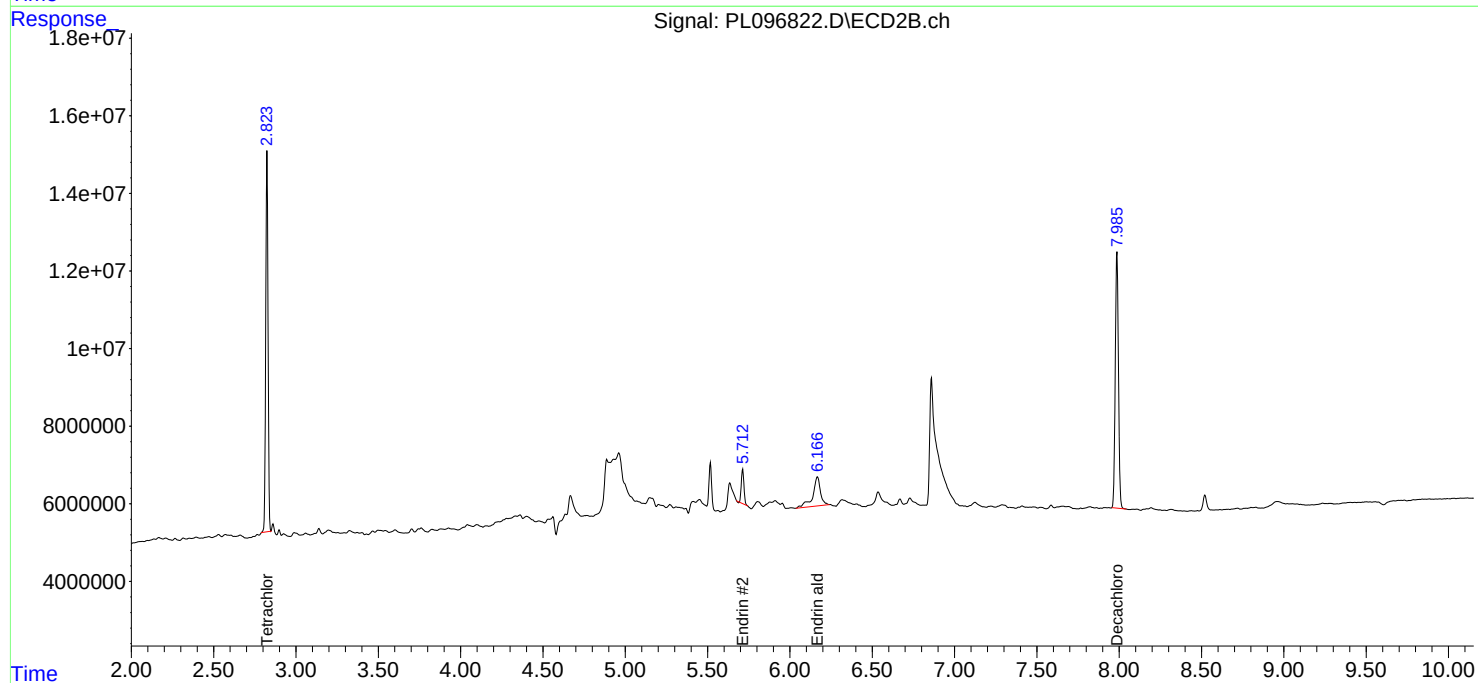
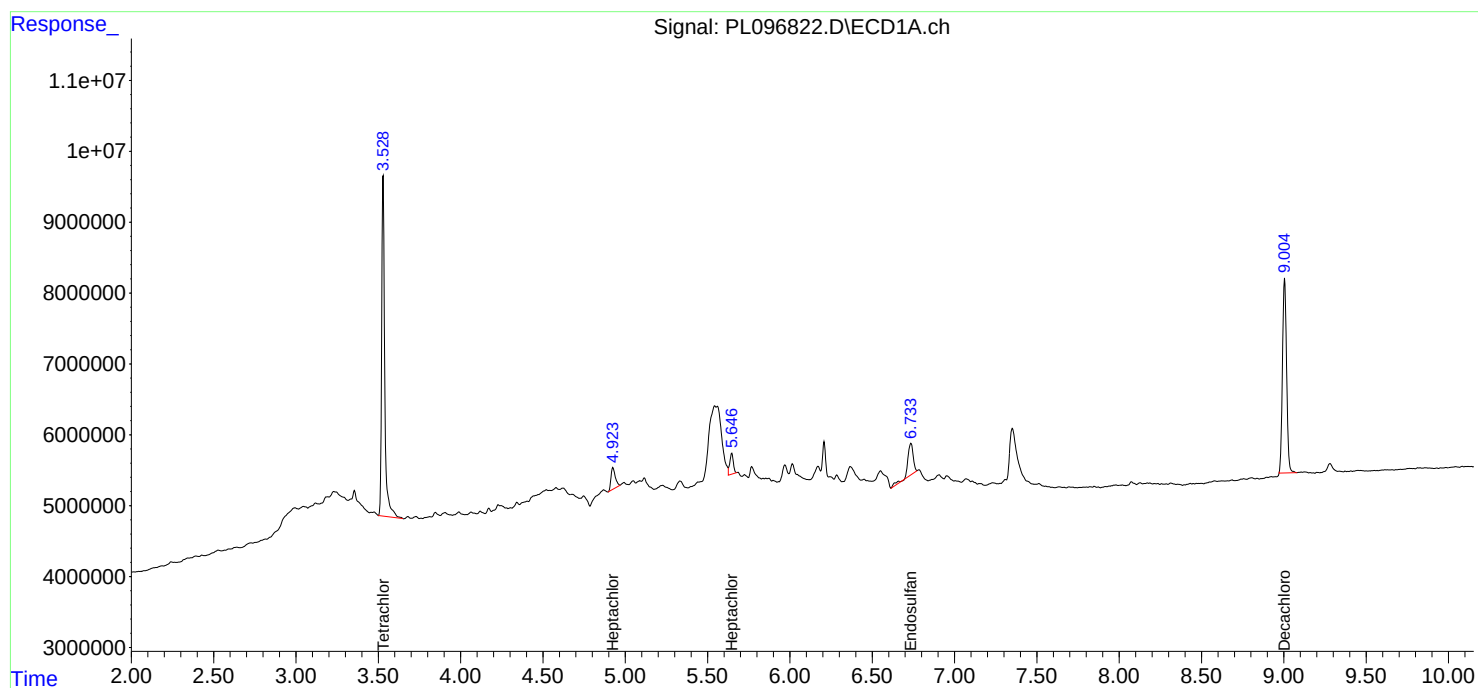
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

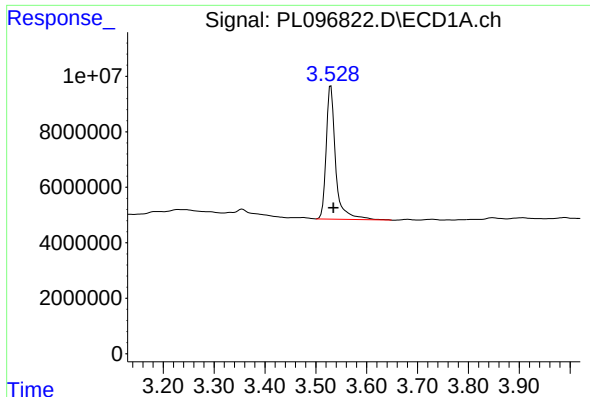
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096822.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 16:07
Operator : AR\AJ
Sample : PB169225BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB169225BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:55:08 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

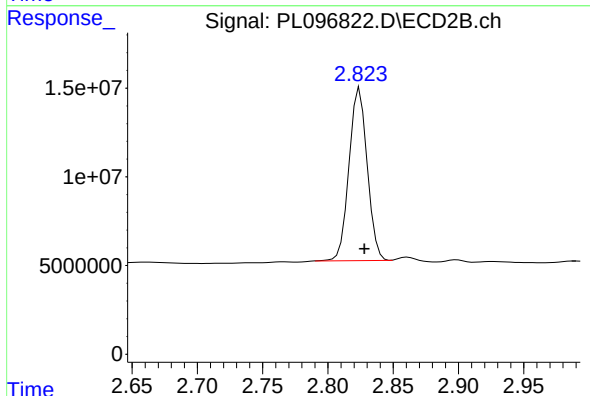




#1 Tetrachloro-m-xylene

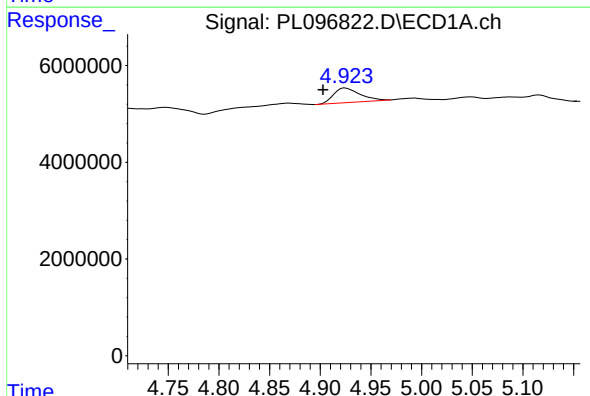
R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 62200378
Conc: 19.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BL



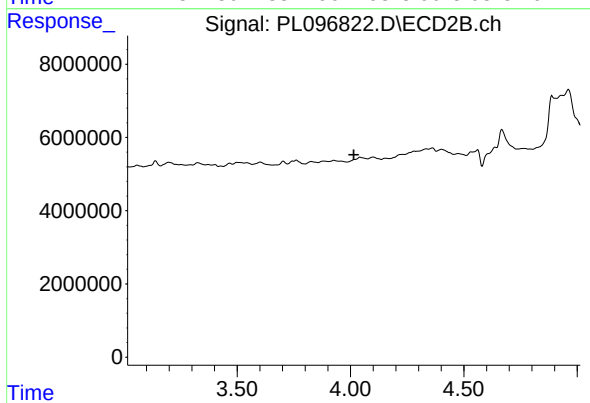
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: -0.004 min
Response: 94174771
Conc: 19.71 ng/ml



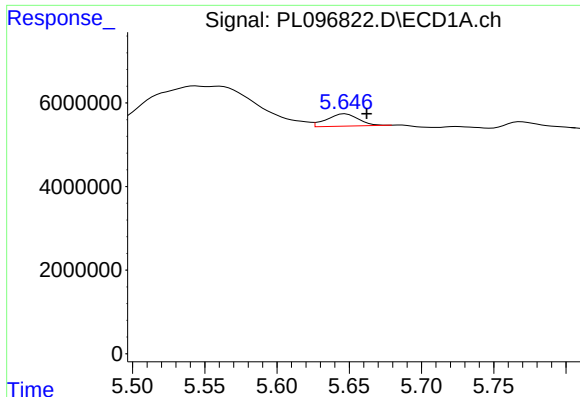
#4 Heptachlor

R.T.: 4.925 min
Delta R.T.: 0.022 min
Response: 5440554
Conc: 1.31 ng/ml



#4 Heptachlor

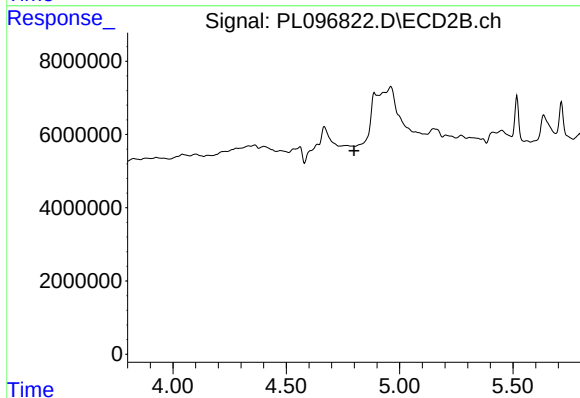
R.T.: 0.000 min
Exp R.T.: 4.014 min
Response: 0
Conc: N.D.



#8 Heptachlor epoxide

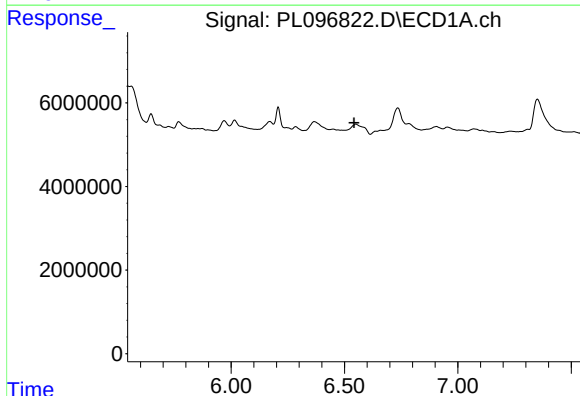
R.T.: 5.647 min
Delta R.T.: -0.015 min
Response: 4482918
Conc: 1.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BL



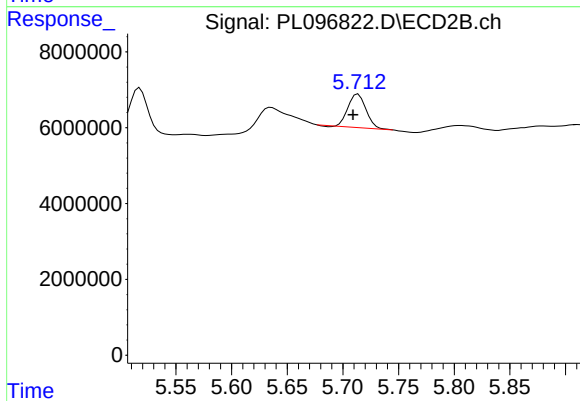
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 4.799 min
Response: 0
Conc: N.D.



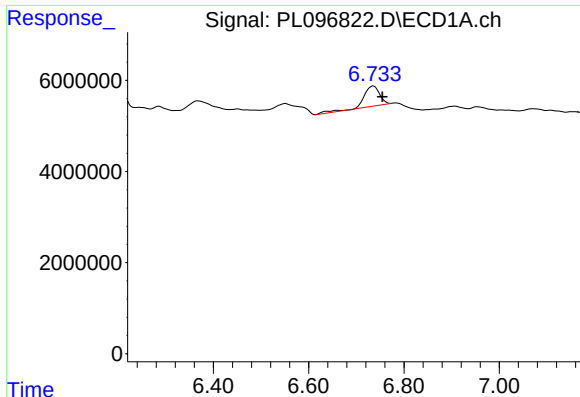
#14 Endrin

R.T.: 0.000 min
Exp R.T. : 6.542 min
Response: 0
Conc: N.D.



#14 Endrin

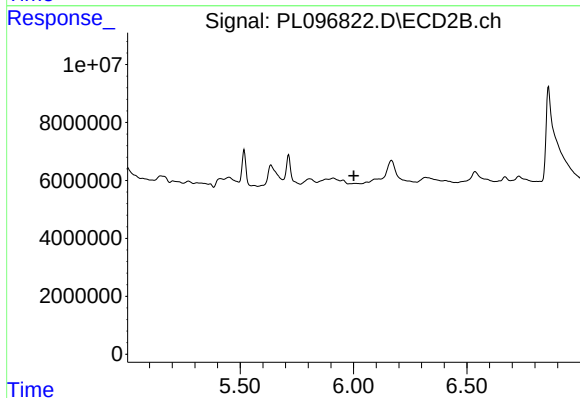
R.T.: 5.714 min
Delta R.T.: 0.005 min
Response: 9802454
Conc: 1.81 ng/ml



#15 Endosulfan II

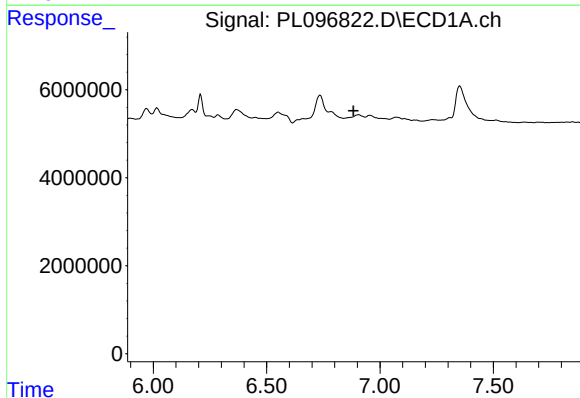
R.T.: 6.736 min
Delta R.T.: -0.019 min
Response: 10273648
Conc: 3.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BL



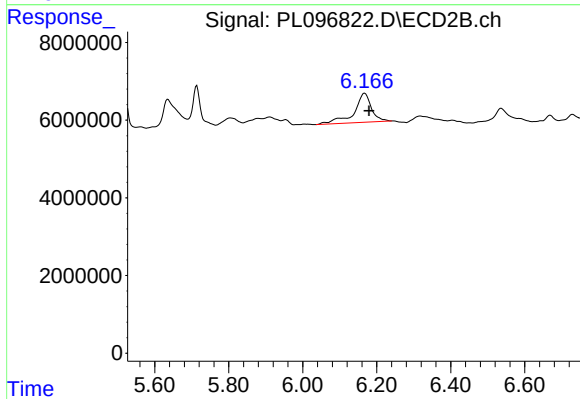
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.001 min
Response: 0
Conc: N.D.



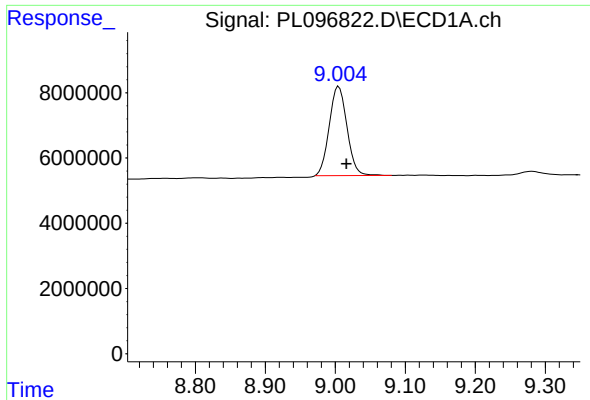
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.884 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

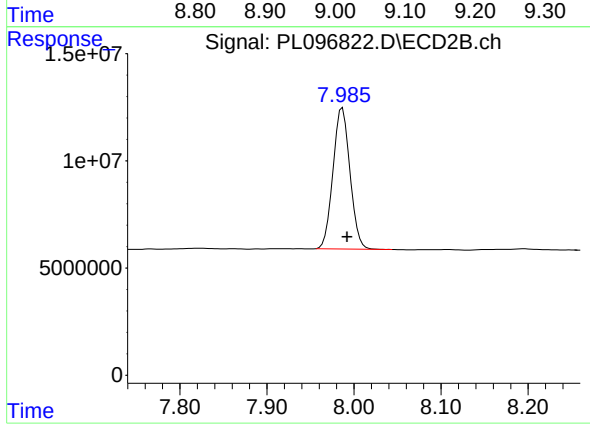
R.T.: 6.167 min
Delta R.T.: -0.012 min
Response: 24550070
Conc: 6.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.005 min
Delta R.T.: -0.011 min
Response: 48085872
Conc: 20.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BL



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 89293709
Conc: 20.58 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
 Data File : PL096823.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 16:21
 Operator : AR\AJ
 Sample : PB169225BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB169225BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 05:55:14 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	60775217	94199127	19.107	19.716
28)	SA Decachlor...	9.004	7.987	47285056	90894687	19.829	20.952
Target Compounds							
2)	A alpha-BHC	3.977	3.330	227.6E6	354.3E6	49.191	50.066
3)	MA gamma-BHC...	4.305	3.662	213.4E6	330.6E6	48.244	50.059
4)	MA Heptachlor	4.896	4.011	219.5E6	326.3E6	52.820	48.974
5)	MB Aldrin	5.235	4.293	212.1E6	307.8E6	49.311	49.594
6)	B beta-BHC	4.491	3.958	85696559	140.1E6	47.478	49.652
7)	B delta-BHC	4.737	4.191	200.6E6	323.8E6	50.286	50.023
8)	B Heptachlo...	5.655	4.795	194.9E6	279.8E6	50.536	48.985
9)	A Endosulfan I	6.036	5.166	176.2E6	263.2E6	48.990	47.574
10)	B gamma-Chl...	5.908	5.047	191.4E6	291.6E6	50.305	49.595
11)	B alpha-Chl...	5.989	5.111	192.7E6	287.4E6	49.982	48.722
12)	B 4,4'-DDE	6.159	5.299	157.6E6	272.8E6	49.062	49.477
13)	MA Dieldrin	6.309	5.430	183.7E6	290.5E6	49.491	49.185
14)	MA Endrin	6.535	5.705	145.6E6	261.5E6	48.103	48.378
15)	B Endosulfa...	6.748	5.996	162.5E6	250.1E6	50.742	48.697
16)	A 4,4'-DDD	6.667	5.852	127.2E6	232.6E6	50.315	49.441
17)	MA 4,4'-DDT	6.982	6.104	142.3E6	245.6E6	49.616	48.551
18)	B Endrin al...	6.876	6.174	114.1E6	199.7E6	53.165	54.945
19)	B Endosulfa...	7.110	6.398	137.5E6	246.6E6	47.845	48.484
20)	A Methoxychlor	7.454	6.676	71535659	132.8E6	48.718	48.452
21)	B Endrin ke...	7.589	6.902	147.3E6	288.7E6	48.986	51.834
22)	Mirex	8.068	7.092	114.7E6	213.1E6	46.258	48.857
24)	Chlordane-2	5.235f	0.000	212.1E6	0	1211.879	N.D. #
25)	Chlordane-3	5.908	5.047	191.4E6	291.6E6	286.586	419.419 #
26)	Chlordane-4	5.989	5.111	192.7E6	287.4E6	232.769	461.819 #
27)	Chlordane-5	0.000	5.996	0	250.1E6	N.D.	980.433 #

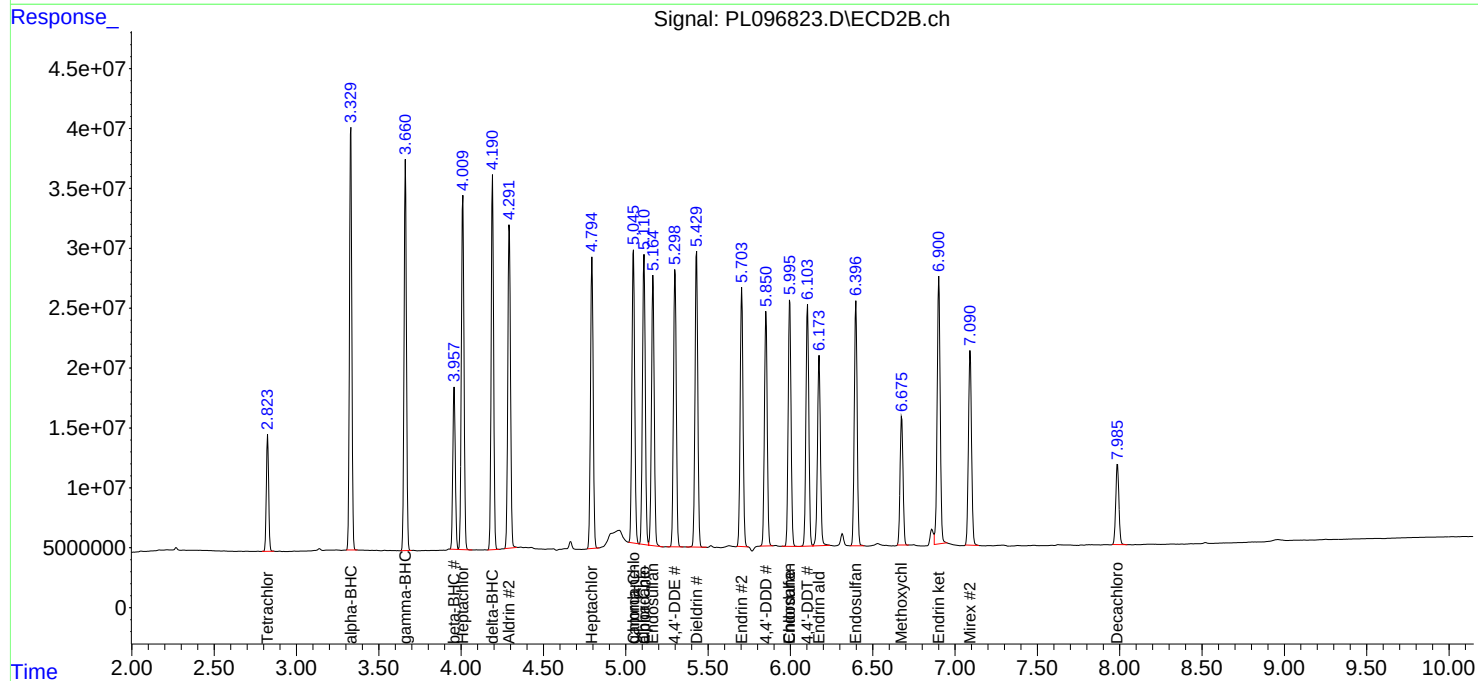
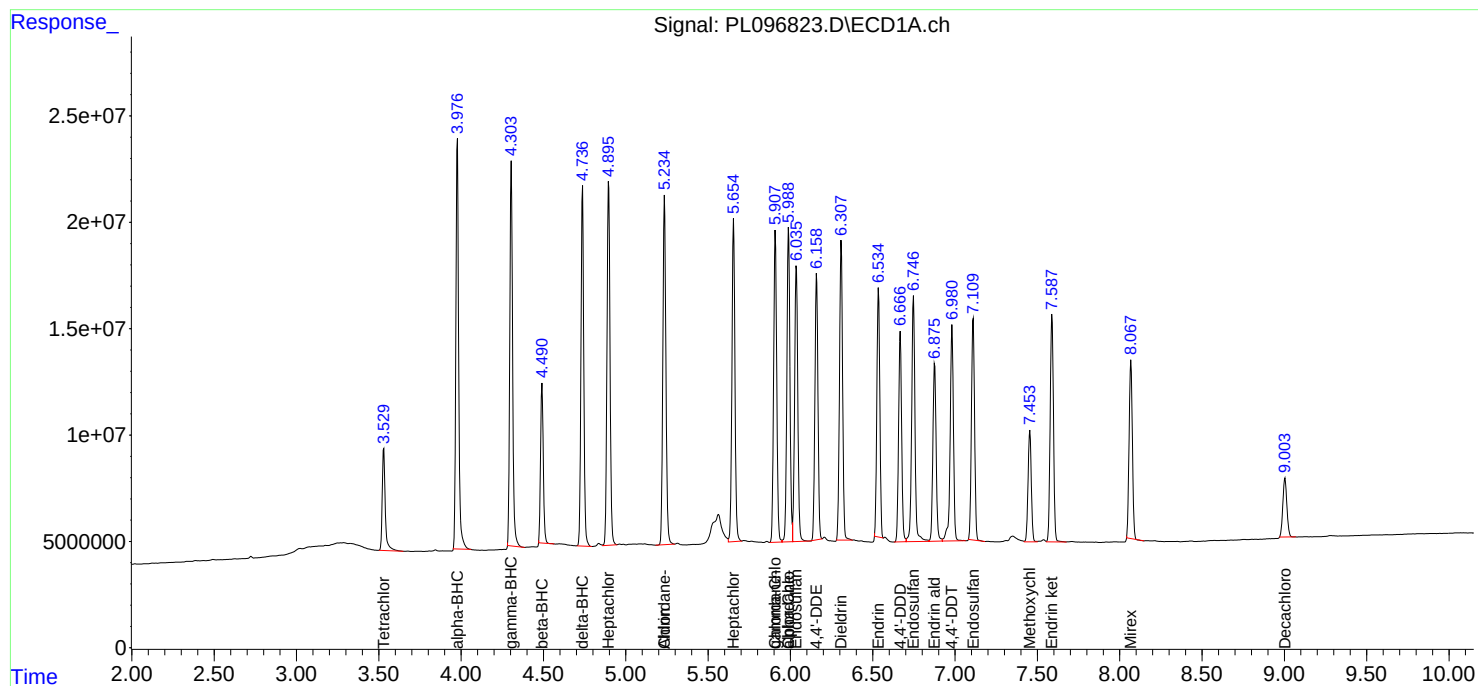
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

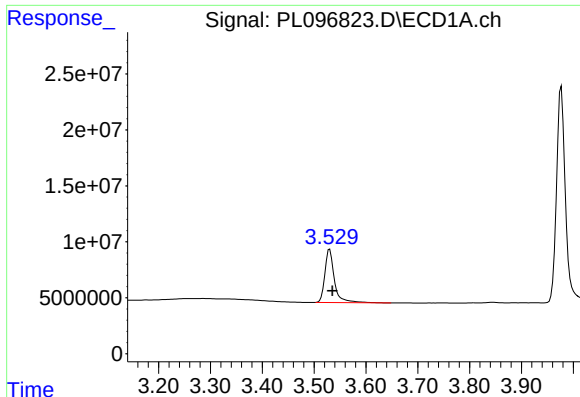
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096823.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 16:21
Operator : AR\AJ
Sample : PB169225BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB169225BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:55:14 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

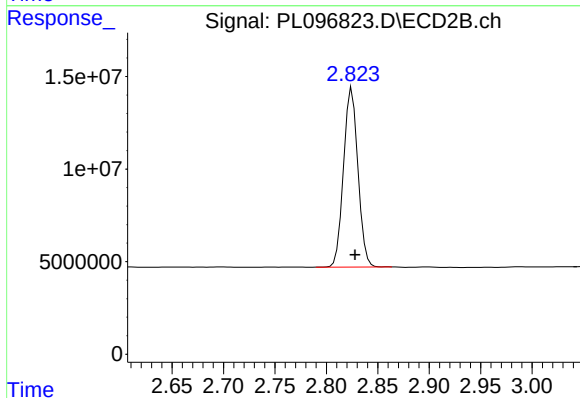




#1 Tetrachloro-m-xylene

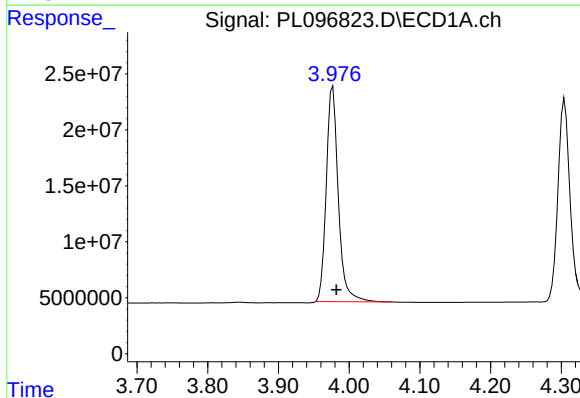
R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 60775217
Conc: 19.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS



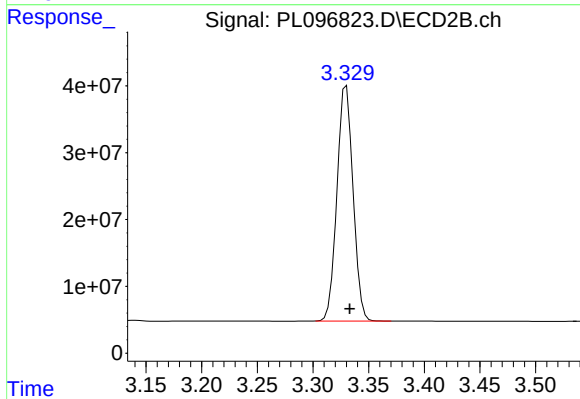
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 94199127
Conc: 19.72 ng/ml



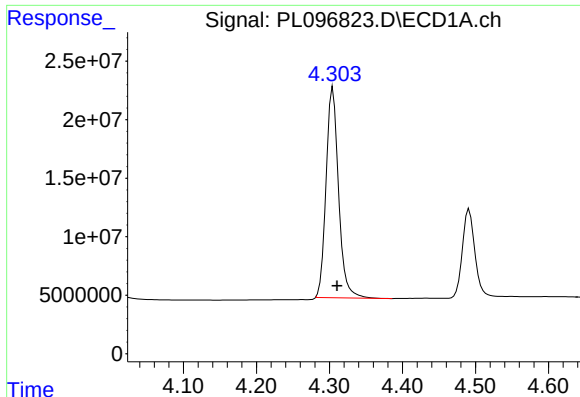
#2 alpha-BHC

R.T.: 3.977 min
Delta R.T.: -0.005 min
Response: 227574161
Conc: 49.19 ng/ml



#2 alpha-BHC

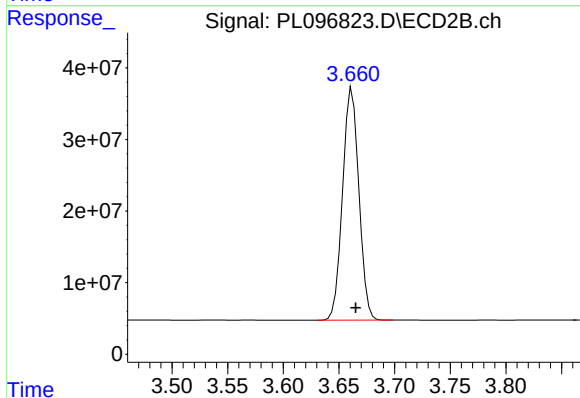
R.T.: 3.330 min
Delta R.T.: -0.003 min
Response: 354317224
Conc: 50.07 ng/ml



#3 gamma-BHC (Lindane)

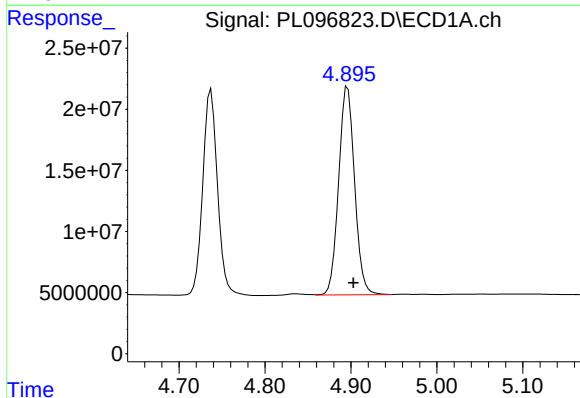
R.T.: 4.305 min
Delta R.T.: -0.006 min
Response: 213403666
Conc: 48.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS



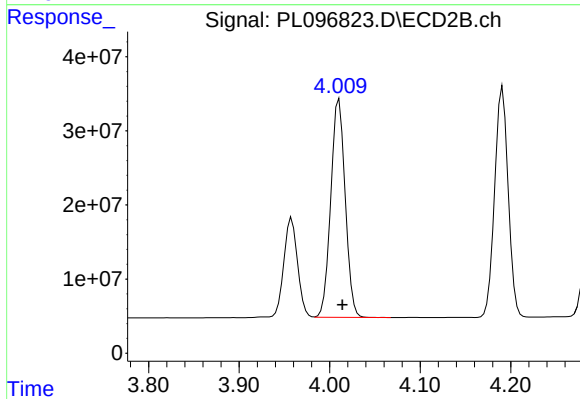
#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: -0.003 min
Response: 330559345
Conc: 50.06 ng/ml



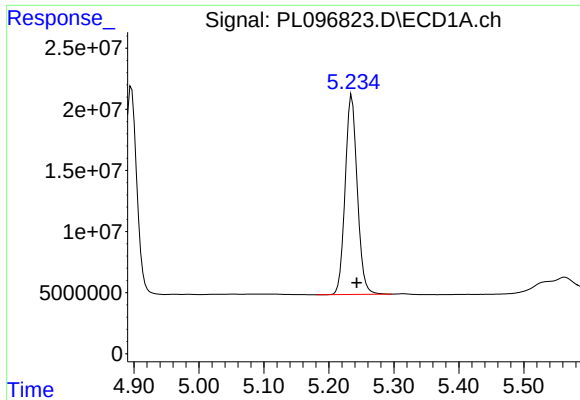
#4 Heptachlor

R.T.: 4.896 min
Delta R.T.: -0.007 min
Response: 219501777
Conc: 52.82 ng/ml



#4 Heptachlor

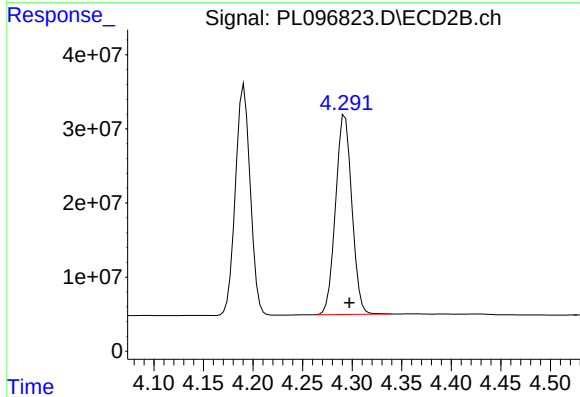
R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 326259099
Conc: 48.97 ng/ml



#5 Aldrin

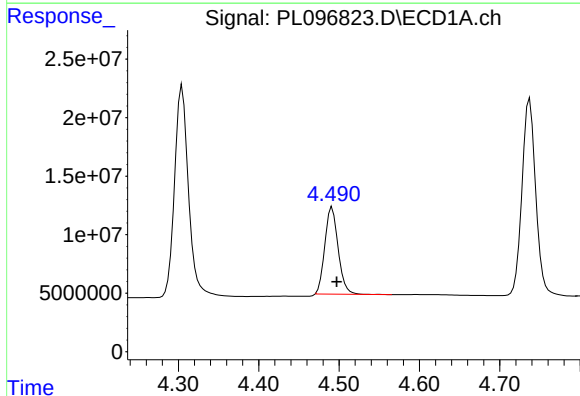
R.T.: 5.235 min
Delta R.T.: -0.008 min
Response: 212087085
Conc: 49.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS



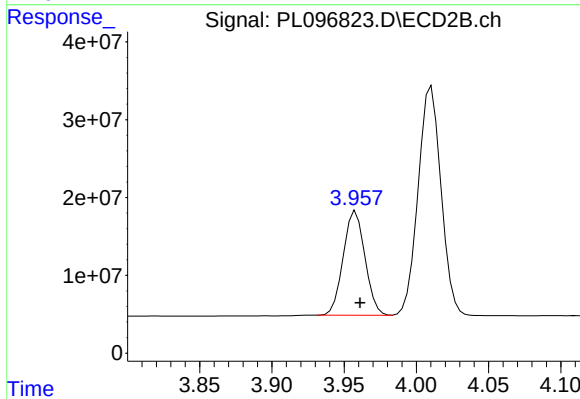
#5 Aldrin

R.T.: 4.293 min
Delta R.T.: -0.004 min
Response: 307833389
Conc: 49.59 ng/ml



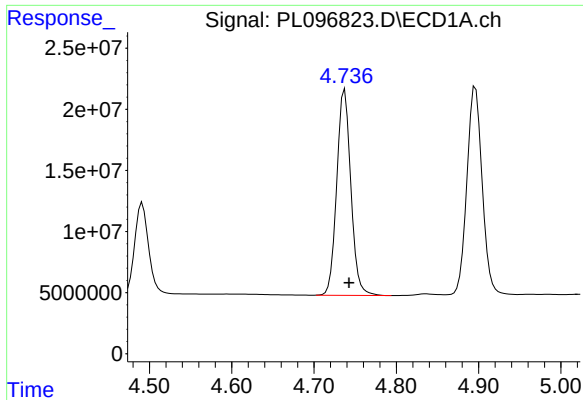
#6 beta-BHC

R.T.: 4.491 min
Delta R.T.: -0.006 min
Response: 85696559
Conc: 47.48 ng/ml



#6 beta-BHC

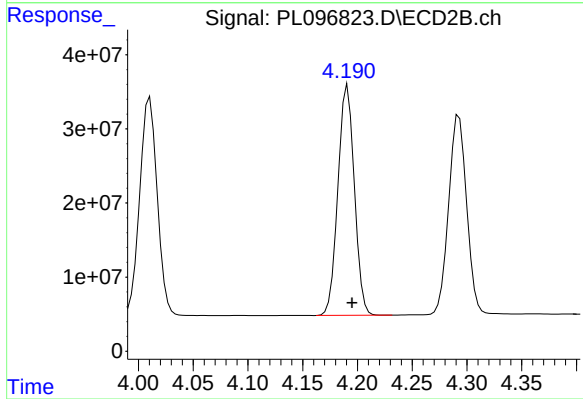
R.T.: 3.958 min
Delta R.T.: -0.003 min
Response: 140064434
Conc: 49.65 ng/ml



#7 delta-BHC

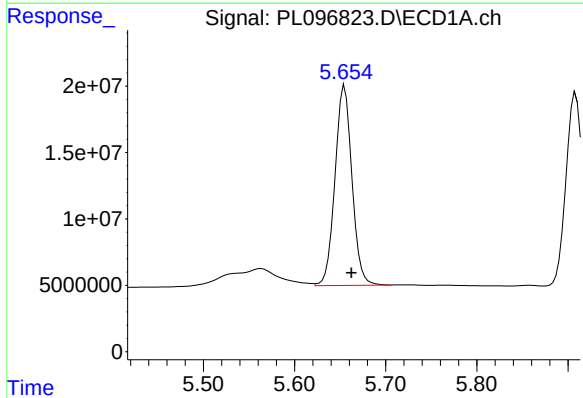
R.T.: 4.737 min
Delta R.T.: -0.005 min
Response: 200634572
Conc: 50.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS



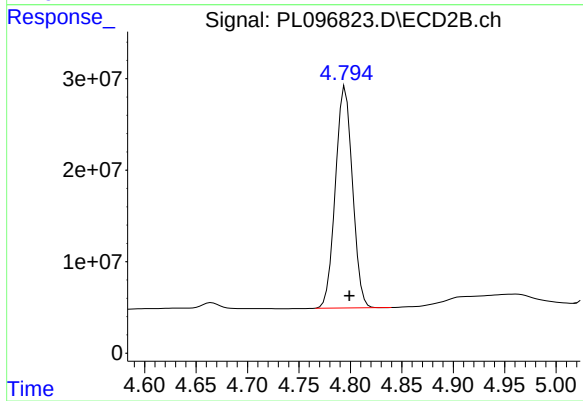
#7 delta-BHC

R.T.: 4.191 min
Delta R.T.: -0.004 min
Response: 323827369
Conc: 50.02 ng/ml



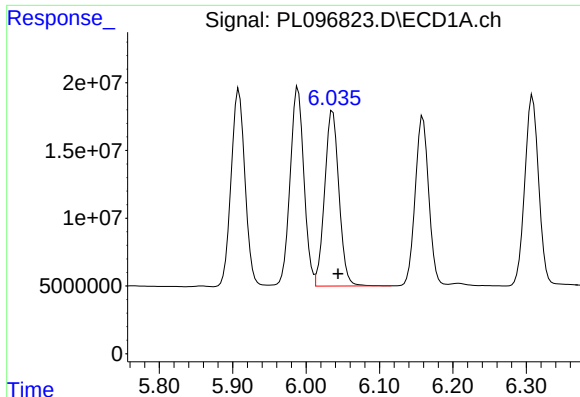
#8 Heptachlor epoxide

R.T.: 5.655 min
Delta R.T.: -0.007 min
Response: 194893536
Conc: 50.54 ng/ml



#8 Heptachlor epoxide

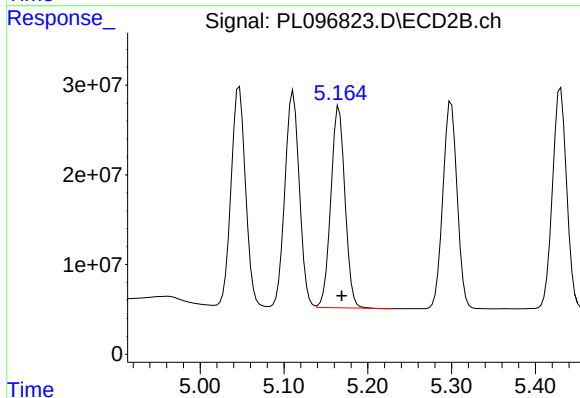
R.T.: 4.795 min
Delta R.T.: -0.004 min
Response: 279768553
Conc: 48.98 ng/ml



#9 Endosulfan I

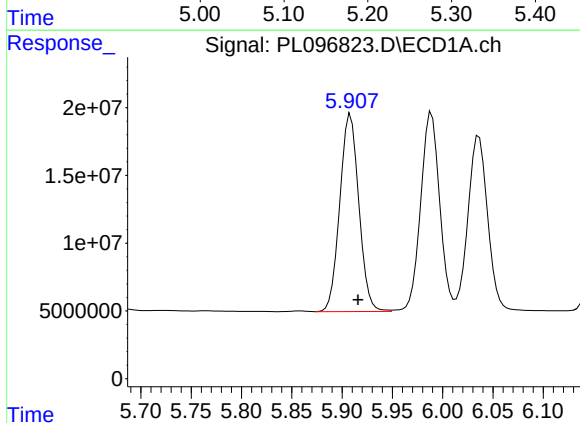
R.T.: 6.036 min
Delta R.T.: -0.007 min
Response: 176186217
Conc: 48.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS



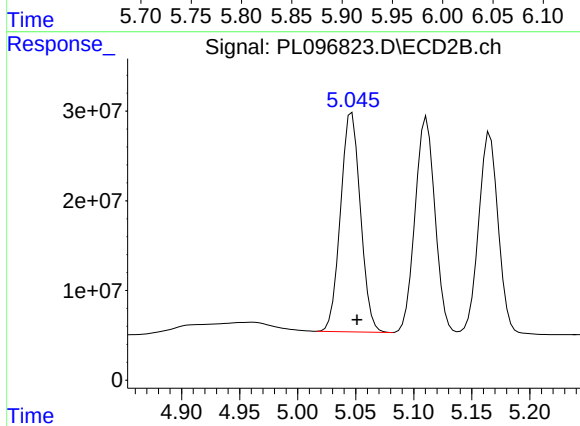
#9 Endosulfan I

R.T.: 5.166 min
Delta R.T.: -0.003 min
Response: 263153744
Conc: 47.57 ng/ml



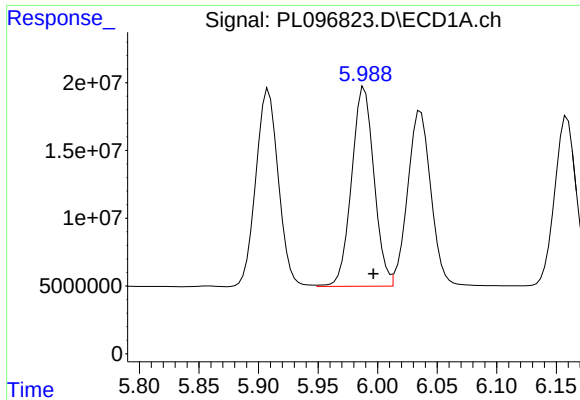
#10 gamma-Chlordane

R.T.: 5.908 min
Delta R.T.: -0.007 min
Response: 191421188
Conc: 50.30 ng/ml



#10 gamma-Chlordane

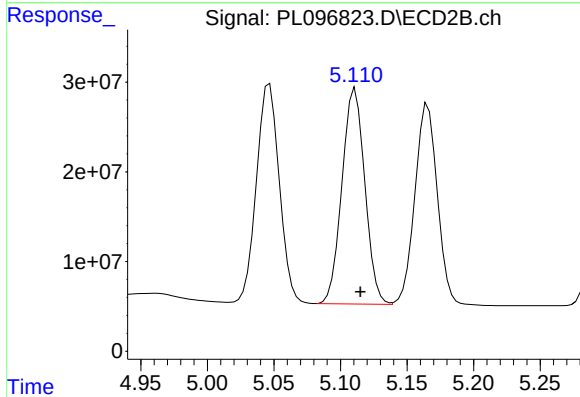
R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 291623122
Conc: 49.59 ng/ml



#11 alpha-Chlordane

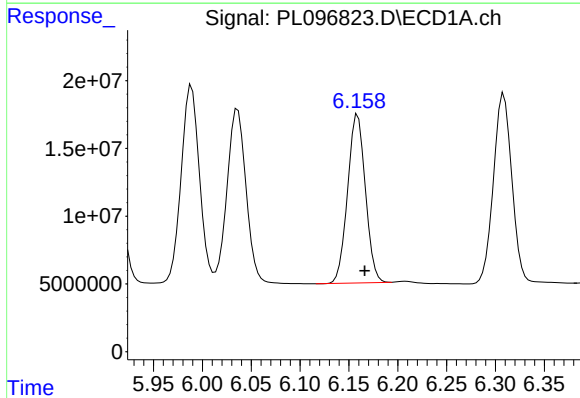
R.T.: 5.989 min
Delta R.T.: -0.008 min
Response: 192662406
Conc: 49.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS



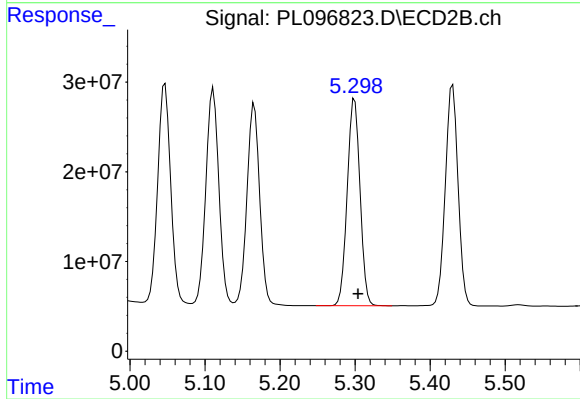
#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 287404609
Conc: 48.72 ng/ml



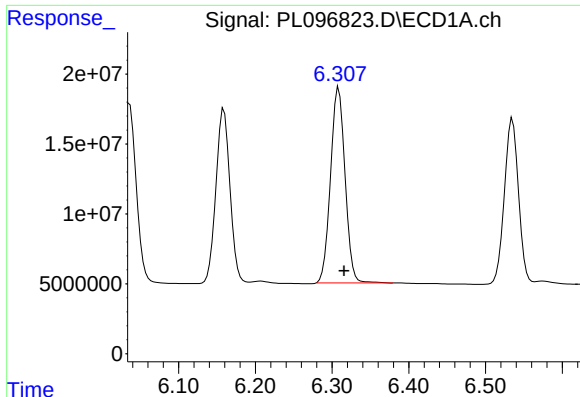
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 157550711
Conc: 49.06 ng/ml



#12 4,4'-DDE

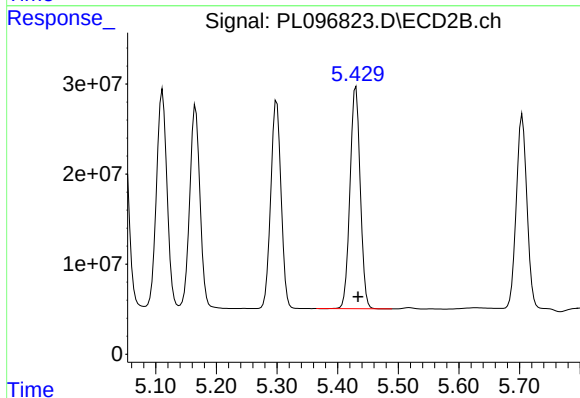
R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 272836065
Conc: 49.48 ng/ml



#13 Dieldrin

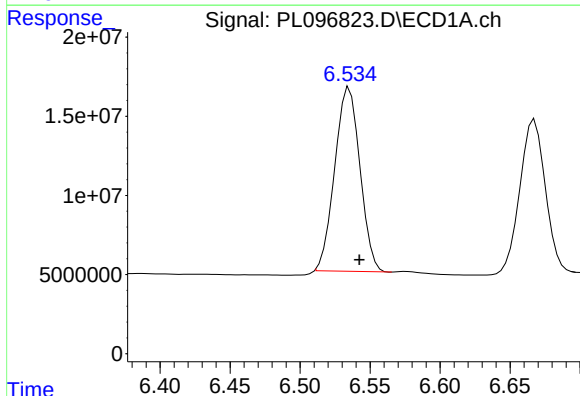
R.T.: 6.309 min
Delta R.T.: -0.007 min
Response: 183668334
Conc: 49.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS



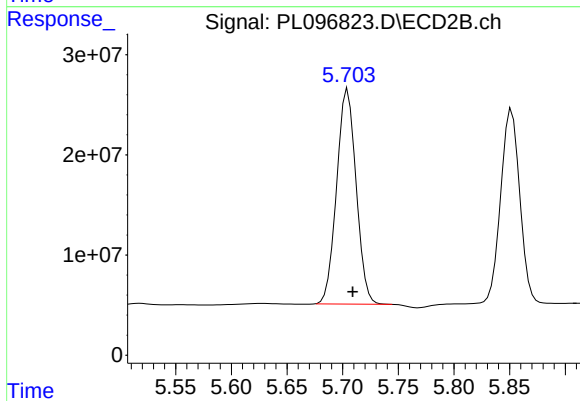
#13 Dieldrin

R.T.: 5.430 min
Delta R.T.: -0.004 min
Response: 290510751
Conc: 49.18 ng/ml



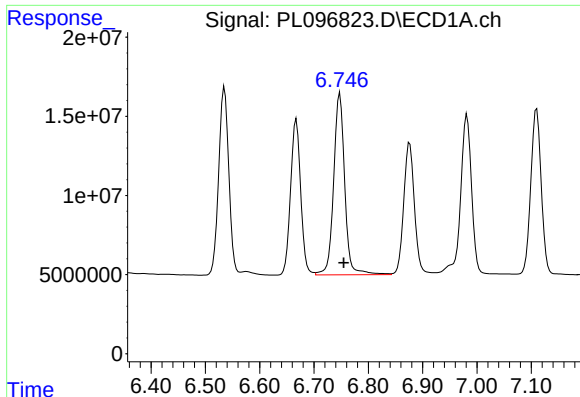
#14 Endrin

R.T.: 6.535 min
Delta R.T.: -0.007 min
Response: 145598600
Conc: 48.10 ng/ml



#14 Endrin

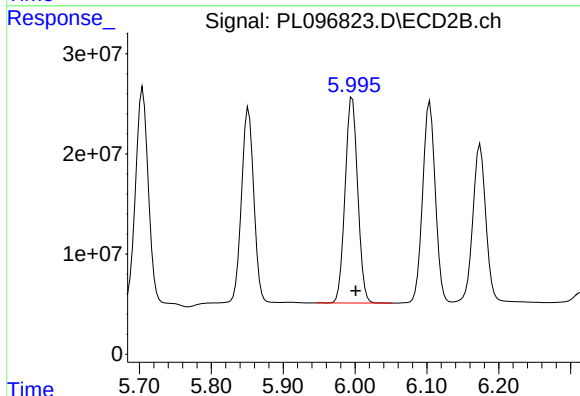
R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 261530591
Conc: 48.38 ng/ml



#15 Endosulfan II

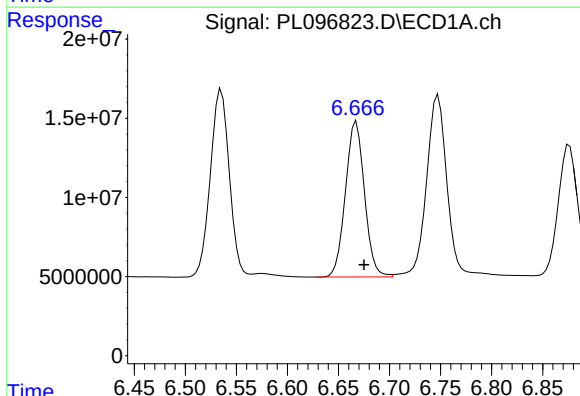
R.T.: 6.748 min
Delta R.T.: -0.007 min
Response: 162507755
Conc: 50.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS



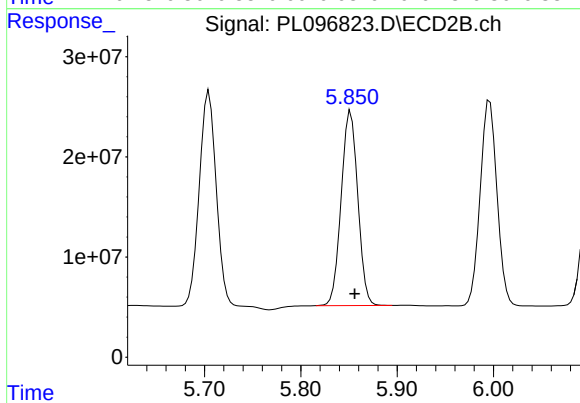
#15 Endosulfan II

R.T.: 5.996 min
Delta R.T.: -0.005 min
Response: 250120283
Conc: 48.70 ng/ml



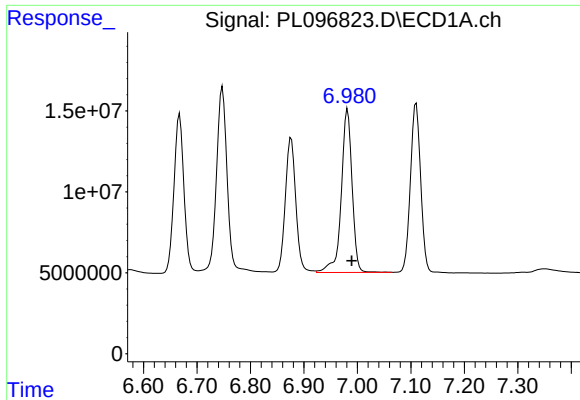
#16 4,4'-DDD

R.T.: 6.667 min
Delta R.T.: -0.008 min
Response: 127213853
Conc: 50.31 ng/ml



#16 4,4'-DDD

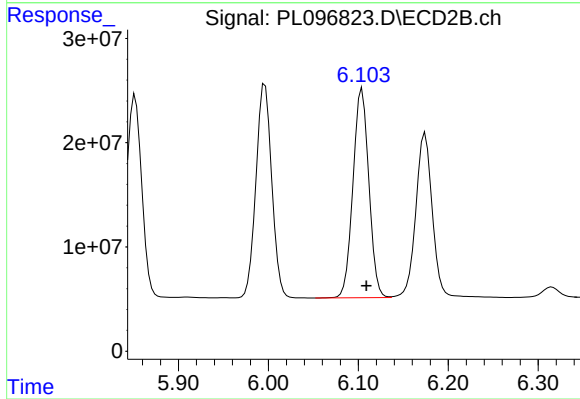
R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 232633507
Conc: 49.44 ng/ml



#17 4,4'-DDT

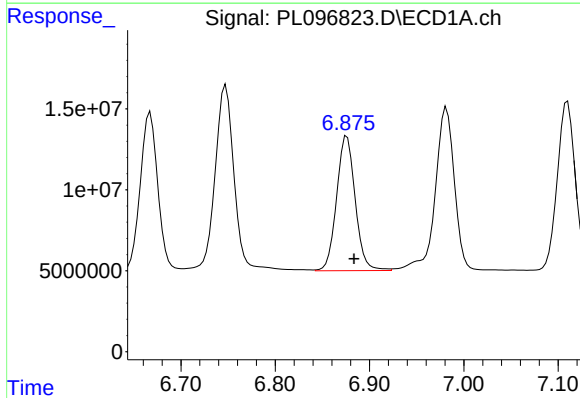
R.T.: 6.982 min
Delta R.T.: -0.007 min
Response: 142282054
Conc: 49.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS



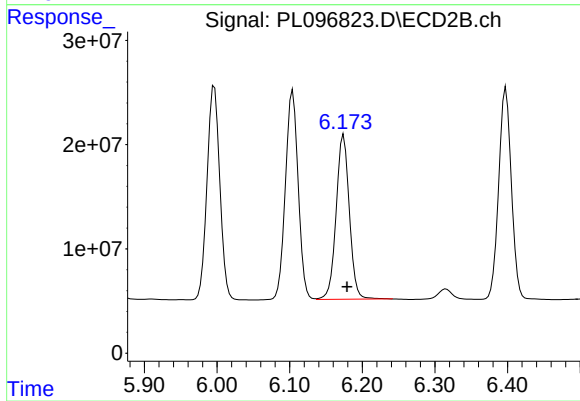
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 245583576
Conc: 48.55 ng/ml



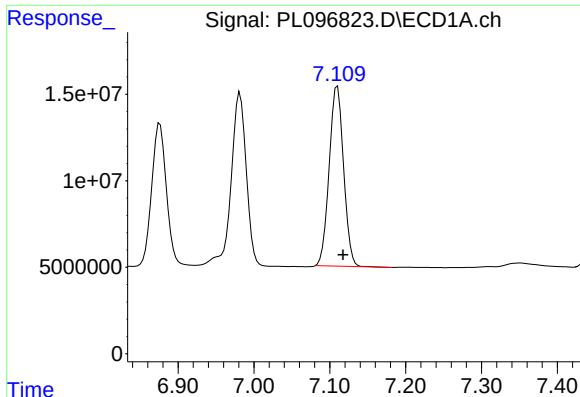
#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: -0.008 min
Response: 114087942
Conc: 53.17 ng/ml



#18 Endrin aldehyde

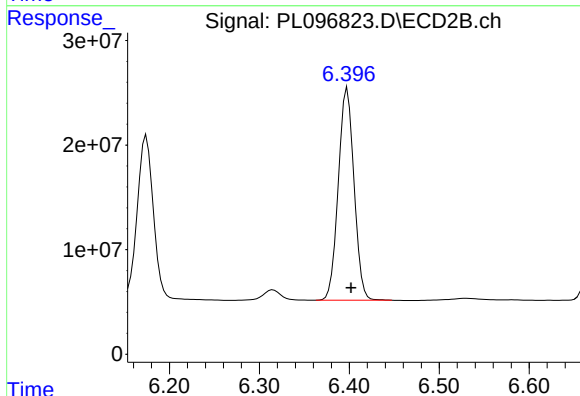
R.T.: 6.174 min
Delta R.T.: -0.005 min
Response: 199729538
Conc: 54.95 ng/ml



#19 Endosulfan Sulfate

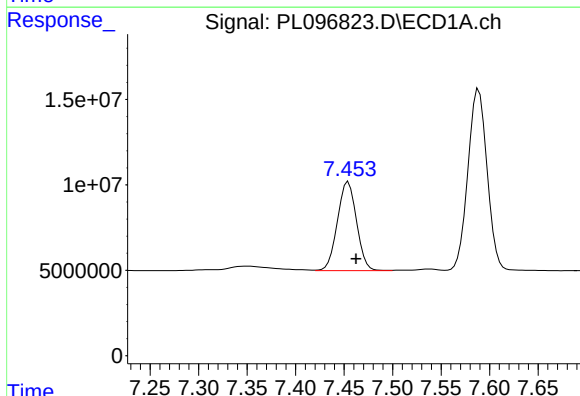
R.T.: 7.110 min
Delta R.T.: -0.008 min
Response: 137490676
Conc: 47.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS



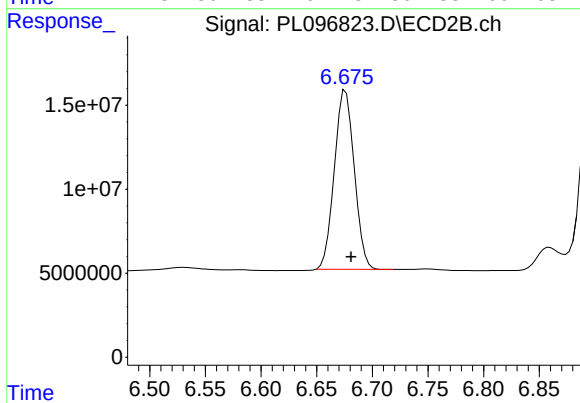
#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 246600399
Conc: 48.48 ng/ml



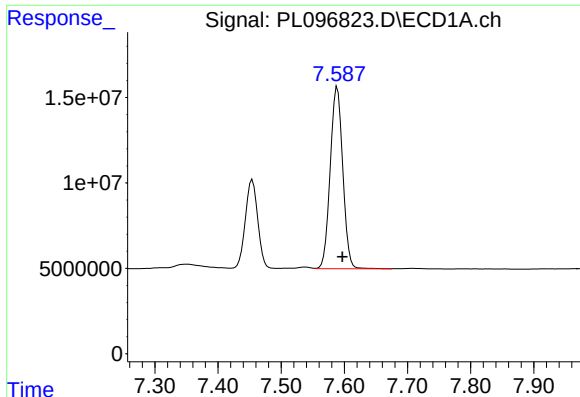
#20 Methoxychlor

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 71535659
Conc: 48.72 ng/ml



#20 Methoxychlor

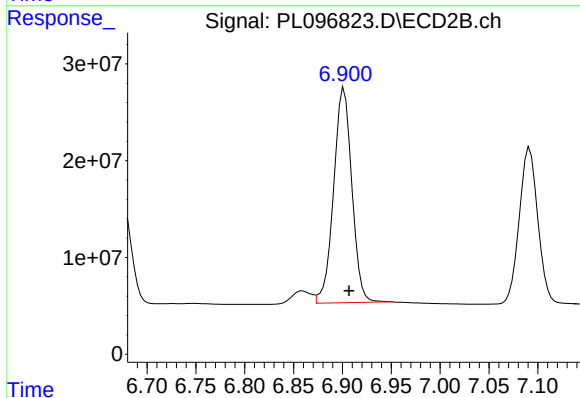
R.T.: 6.676 min
Delta R.T.: -0.005 min
Response: 132781179
Conc: 48.45 ng/ml



#21 Endrin ketone

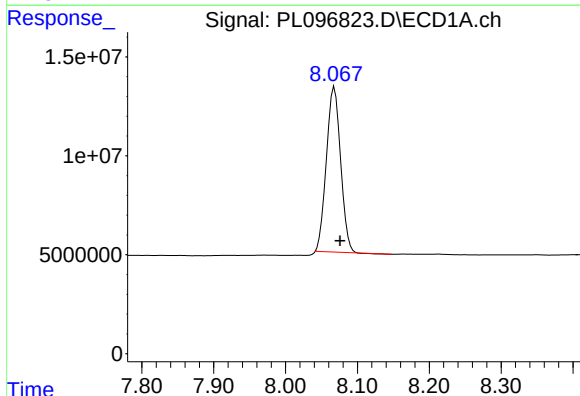
R.T.: 7.589 min
Delta R.T.: -0.008 min
Response: 147288355
Conc: 48.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS



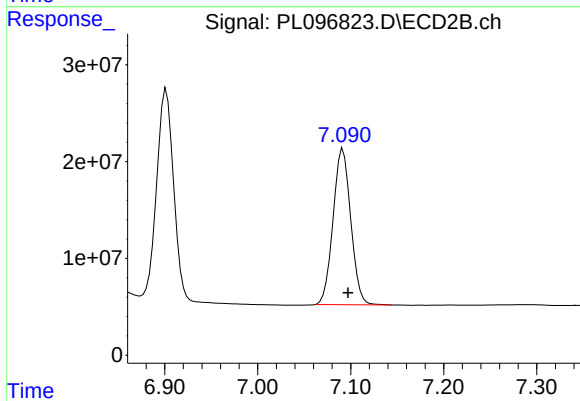
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 288700248
Conc: 51.83 ng/ml



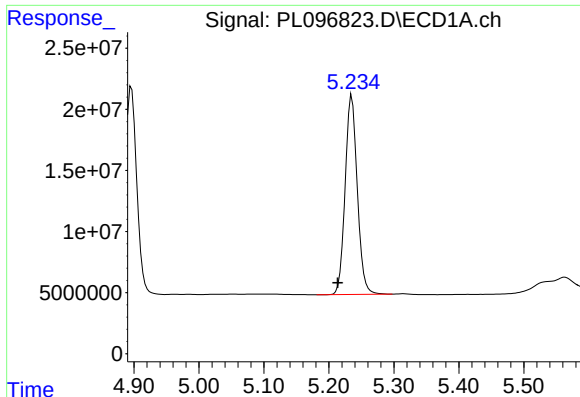
#22 Mirex

R.T.: 8.068 min
Delta R.T.: -0.008 min
Response: 114690781
Conc: 46.26 ng/ml



#22 Mirex

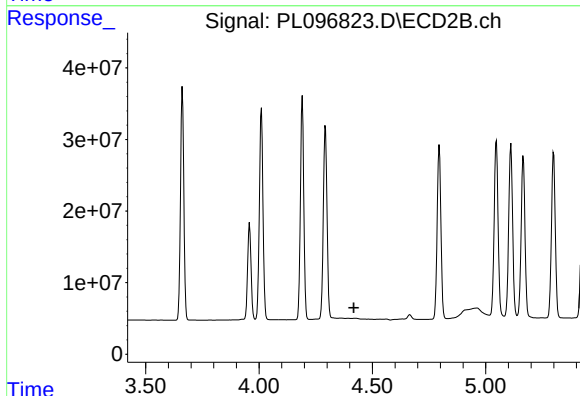
R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 213057480
Conc: 48.86 ng/ml



#24 Chlordane-2

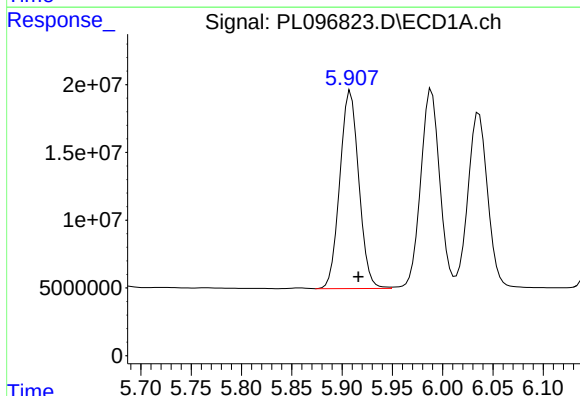
R.T.: 5.235 min
Delta R.T.: 0.022 min
Response: 212087085
Conc: 1211.88 ng/m

Instrument :
ECD_L
ClientSampleId :
PB169225BS



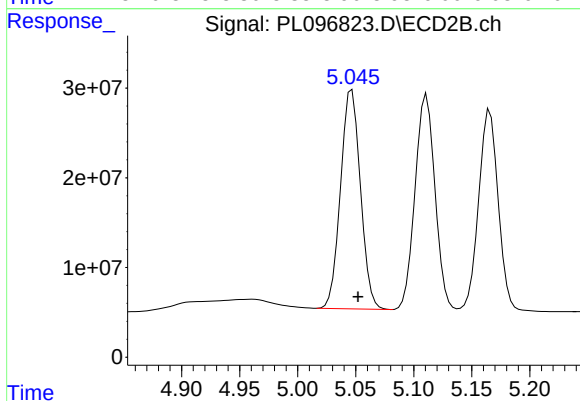
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.418 min
Response: 0
Conc: N.D.



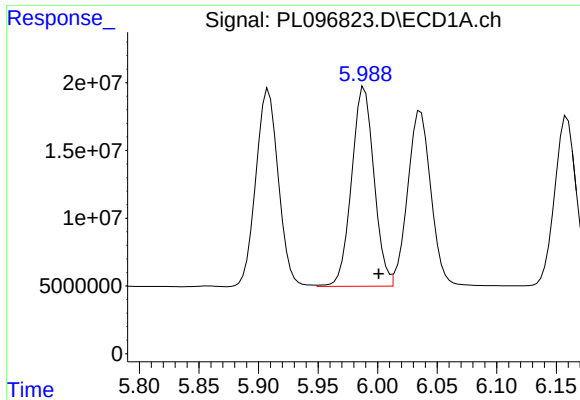
#25 Chlordane-3

R.T.: 5.908 min
Delta R.T.: -0.008 min
Response: 191421188
Conc: 286.59 ng/ml



#25 Chlordane-3

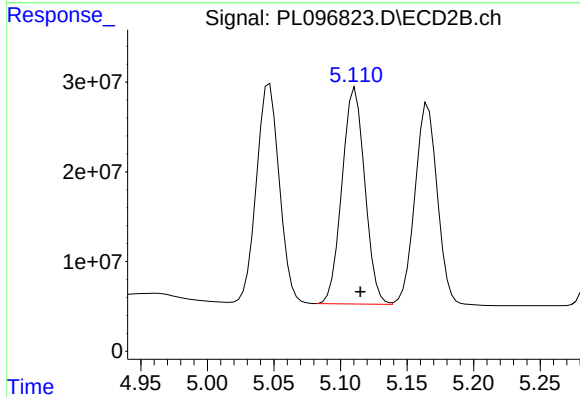
R.T.: 5.047 min
Delta R.T.: -0.005 min
Response: 291623122
Conc: 419.42 ng/ml



#26 Chlordane-4

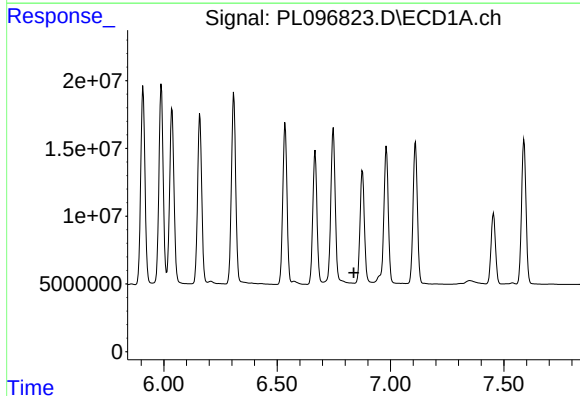
R.T.: 5.989 min
Delta R.T.: -0.012 min
Response: 192662406
Conc: 232.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS



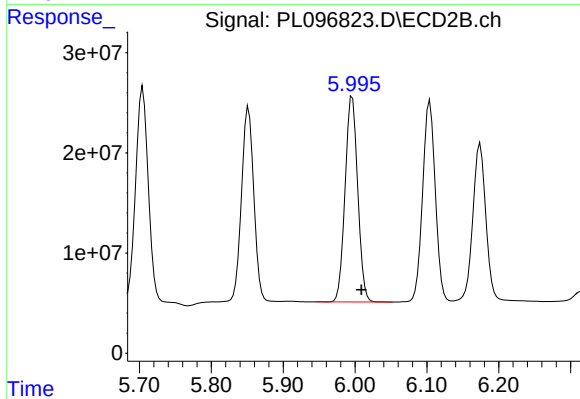
#26 Chlordane-4

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 287404609
Conc: 461.82 ng/ml



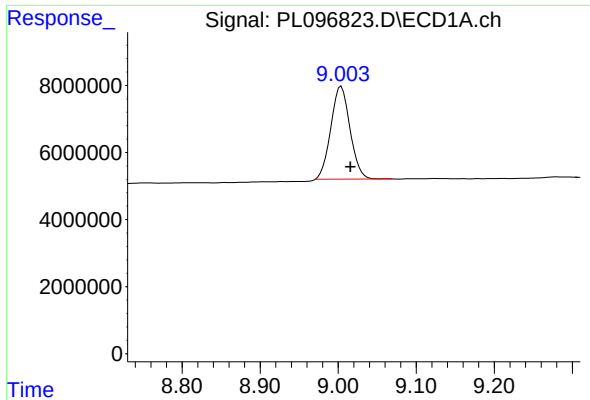
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.838 min
Response: 0
Conc: N.D.



#27 Chlordane-5

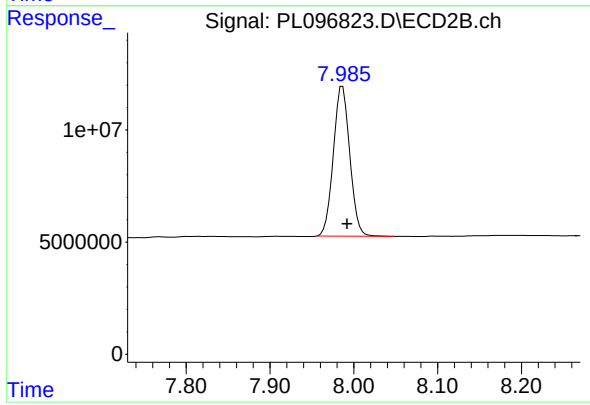
R.T.: 5.996 min
Delta R.T.: -0.012 min
Response: 250120283
Conc: 980.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.012 min
Response: 47285056
Conc: 19.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.006 min
Response: 90894687
Conc: 20.95 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
 Data File : PL096824.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 16:34
 Operator : AR\AJ
 Sample : PB169225BSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB169225BSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 05:55:24 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	59543401	91996171	18.720	19.255
28)	SA Decachlor...	9.005	7.987	46912605	90356362	19.673	20.828
Target Compounds							
2)	A alpha-BHC	3.978	3.331	223.2E6	342.8E6	48.236	48.442
3)	MA gamma-BHC...	4.306	3.663	210.3E6	320.0E6	47.536	48.462
4)	MA Heptachlor	4.897	4.011	214.5E6	317.1E6	51.625	47.601
5)	MB Aldrin	5.237	4.294	207.2E6	299.2E6	48.180	48.202
6)	B beta-BHC	4.493	3.959	84541325	135.8E6	46.838	48.135
7)	B delta-BHC	4.738	4.192	195.2E6	313.4E6	48.931	48.408
8)	B Heptachlo...	5.656	4.796	190.6E6	273.5E6	49.435	47.880
9)	A Endosulfan I	6.037	5.167	173.6E6	255.4E6	48.277	46.174
10)	B gamma-Chl...	5.910	5.048	186.9E6	283.8E6	49.128	48.272
11)	B alpha-Chl...	5.990	5.112	188.2E6	280.2E6	48.827	47.494
12)	B 4,4'-DDE	6.160	5.300	159.5E6	265.9E6	49.682	48.218
13)	MA Dieldrin	6.310	5.431	180.2E6	284.1E6	48.545	48.096
14)	MA Endrin	6.536	5.705	142.2E6	253.1E6	46.989	46.827
15)	B Endosulfa...	6.749	5.997	162.8E6	245.2E6	50.827	47.742
16)	A 4,4'-DDD	6.669	5.853	124.7E6	227.7E6	49.301	48.390
17)	MA 4,4'-DDT	6.983	6.105	138.2E6	238.1E6	48.196	47.076
18)	B Endrin al...	6.878	6.175	112.1E6	196.6E6	52.223	54.094
19)	B Endosulfa...	7.111	6.398	135.4E6	241.4E6	47.106	47.452
20)	A Methoxychlor	7.455	6.677	68285598	129.5E6	46.505	47.241
21)	B Endrin ke...	7.590	6.903	143.9E6	273.2E6	47.846	49.057
22)	Mirex	8.068	7.092	113.2E6	210.0E6	45.656	48.160
24)	Chlordane-2	5.237f	0.000	207.2E6	0	1184.075	N.D. #
25)	Chlordane-3	5.910	5.048	186.9E6	283.8E6	279.881	408.230 #
26)	Chlordane-4	5.990	5.112	188.2E6	280.2E6	227.392	450.182 #
27)	Chlordane-5	0.000	5.997	0	245.2E6	N.D.	961.203 #

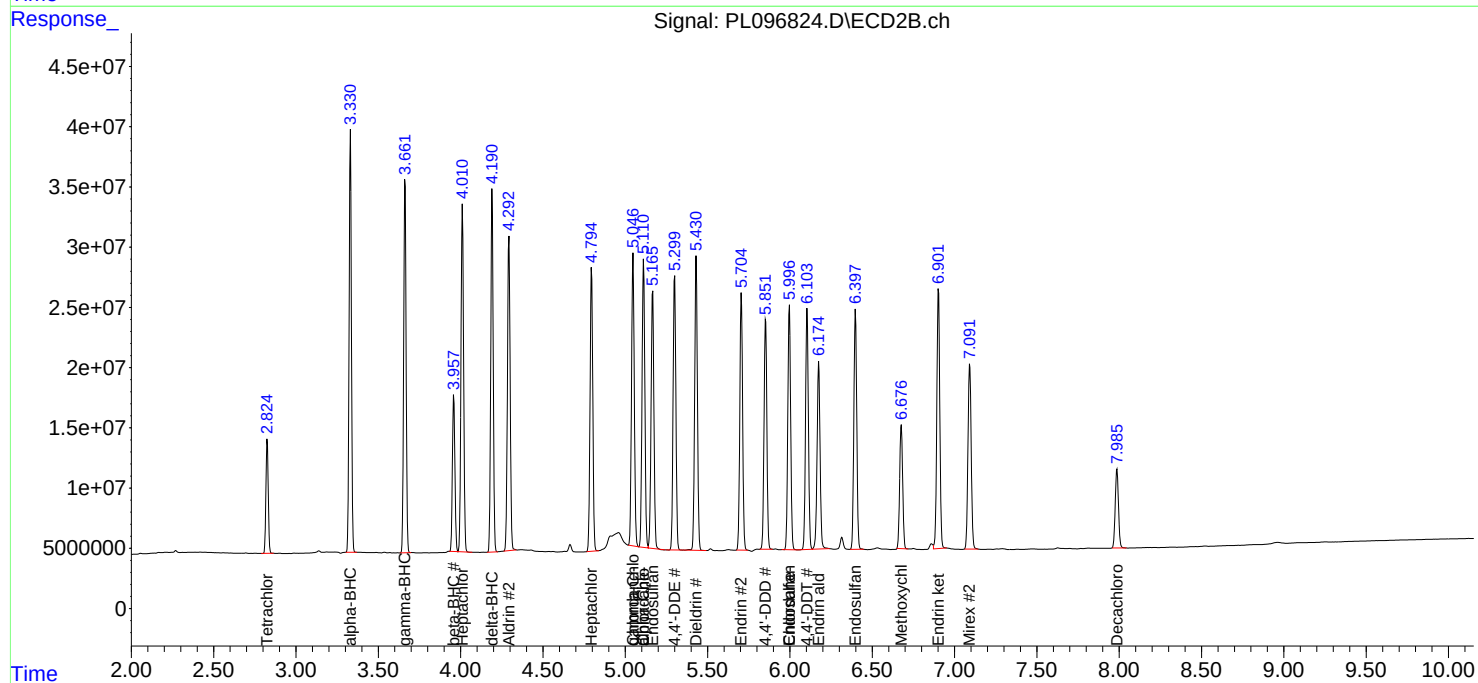
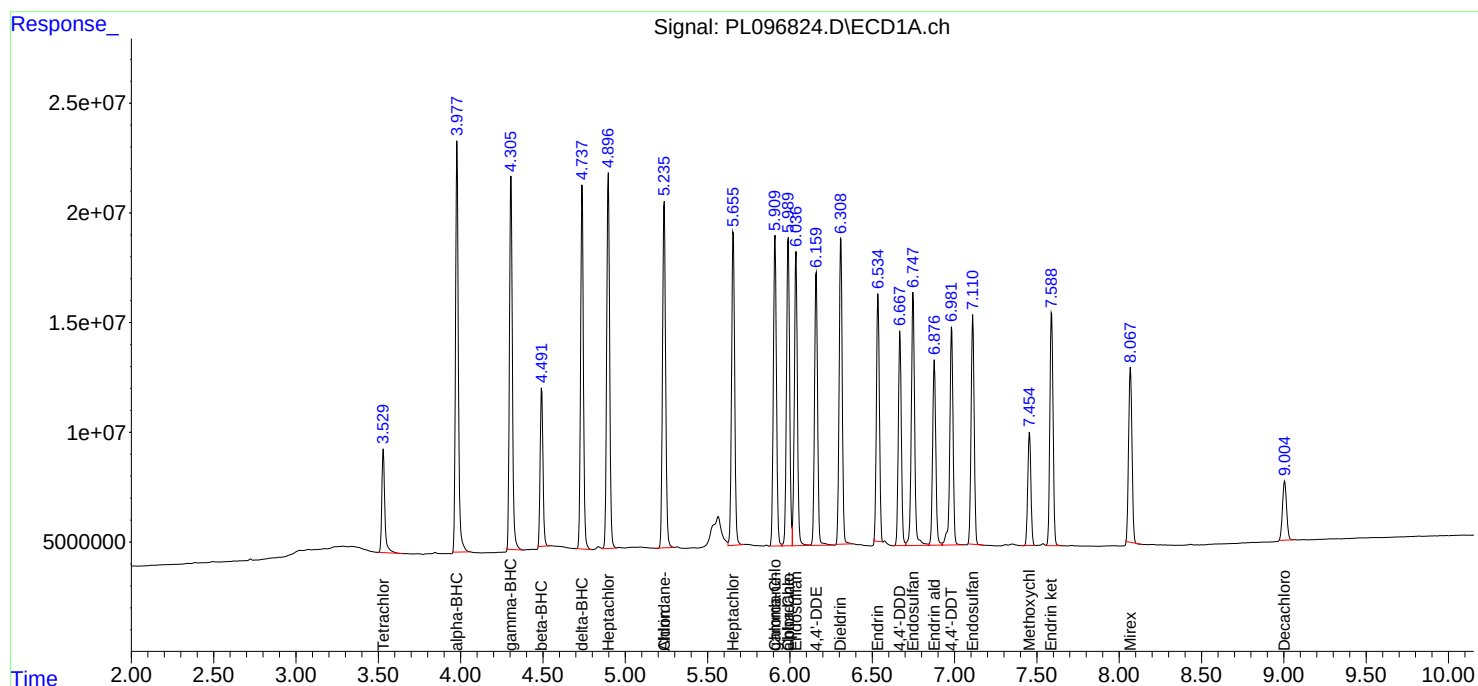
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

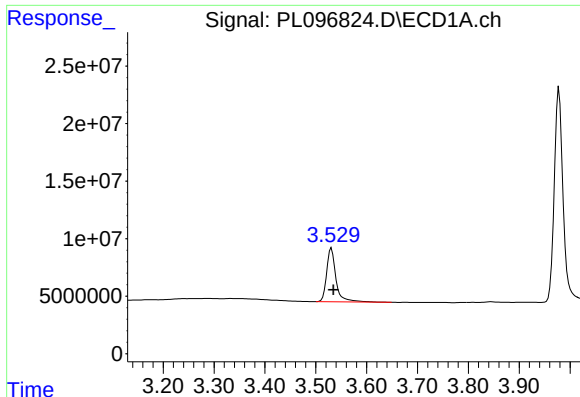
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096824.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 16:34
Operator : AR\AJ
Sample : PB169225BSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB169225BSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:55:24 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

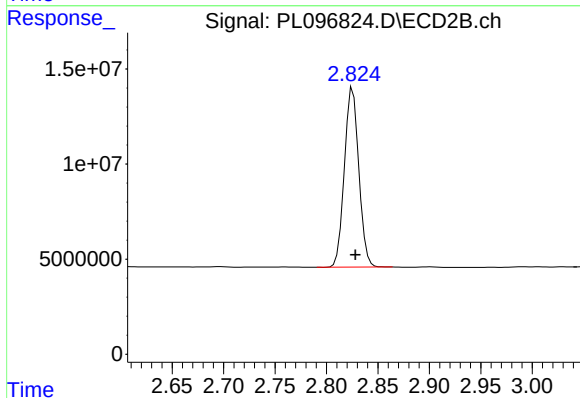




#1 Tetrachloro-m-xylene

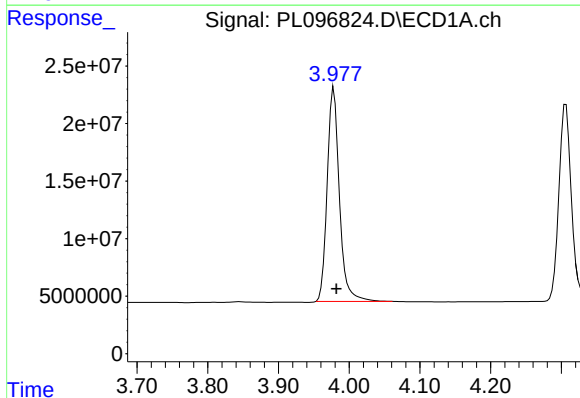
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 59543401
Conc: 18.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD



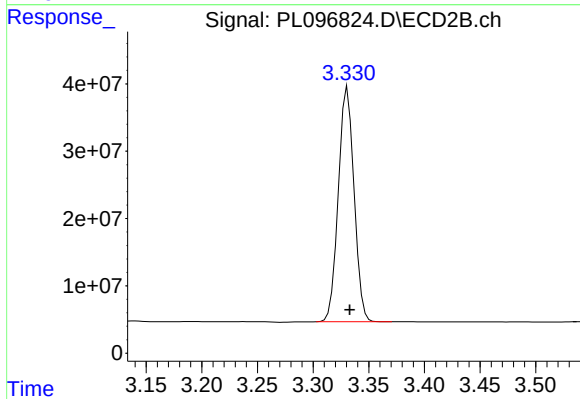
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 91996171
Conc: 19.26 ng/ml



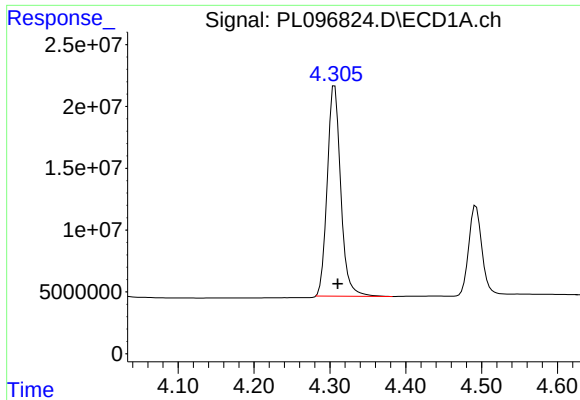
#2 alpha-BHC

R.T.: 3.978 min
Delta R.T.: -0.004 min
Response: 223157039
Conc: 48.24 ng/ml



#2 alpha-BHC

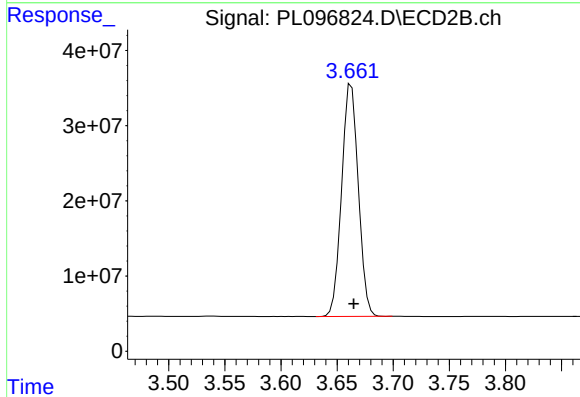
R.T.: 3.331 min
Delta R.T.: -0.002 min
Response: 342828244
Conc: 48.44 ng/ml



#3 gamma-BHC (Lindane)

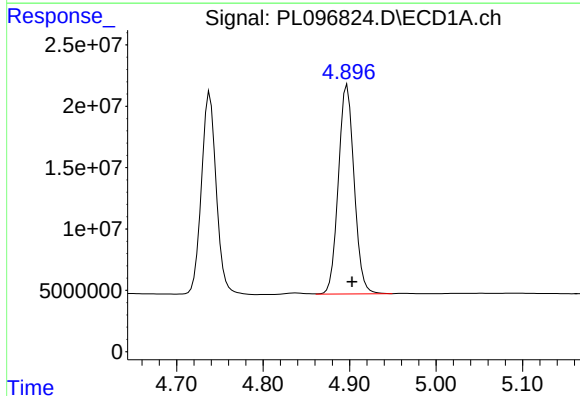
R.T.: 4.306 min
Delta R.T.: -0.004 min
Response: 210273174
Conc: 47.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD



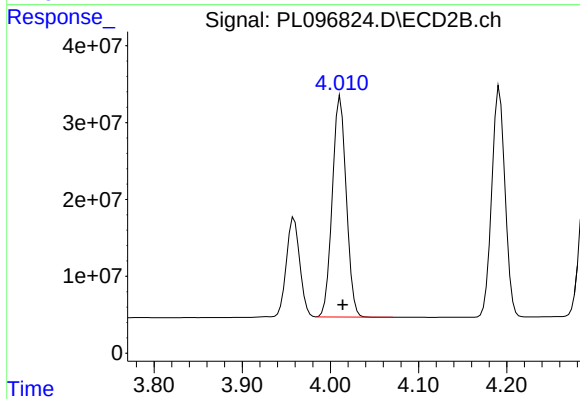
#3 gamma-BHC (Lindane)

R.T.: 3.663 min
Delta R.T.: -0.002 min
Response: 320012087
Conc: 48.46 ng/ml



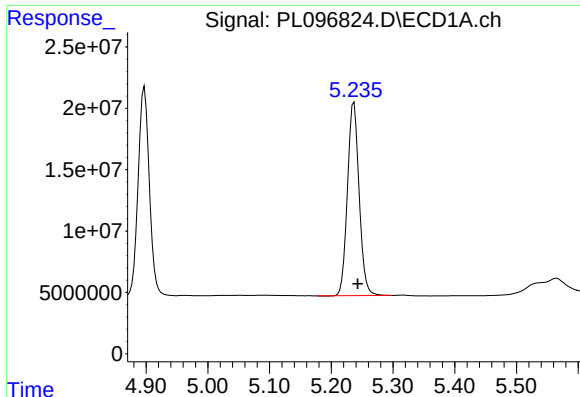
#4 Heptachlor

R.T.: 4.897 min
Delta R.T.: -0.005 min
Response: 214539353
Conc: 51.63 ng/ml



#4 Heptachlor

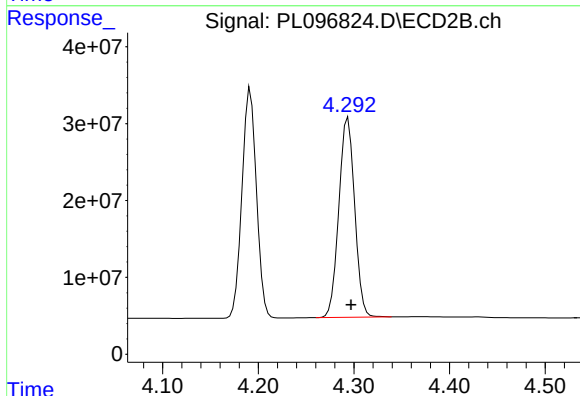
R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 317116974
Conc: 47.60 ng/ml



#5 Aldrin

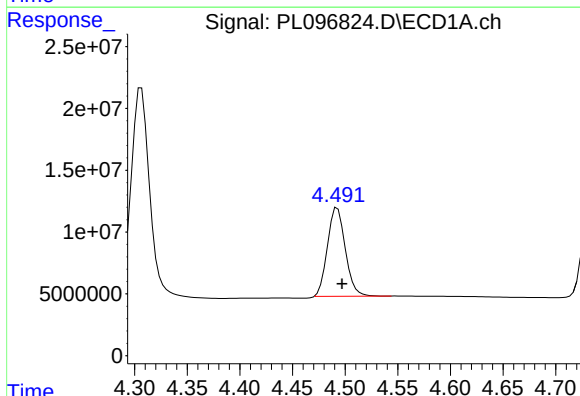
R.T.: 5.237 min
Delta R.T.: -0.006 min
Response: 207221296
Conc: 48.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD



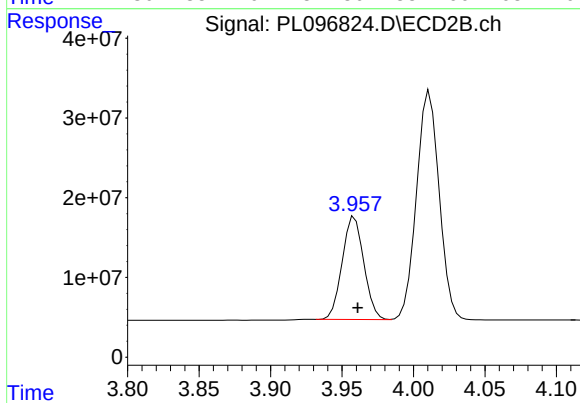
#5 Aldrin

R.T.: 4.294 min
Delta R.T.: -0.003 min
Response: 299191263
Conc: 48.20 ng/ml



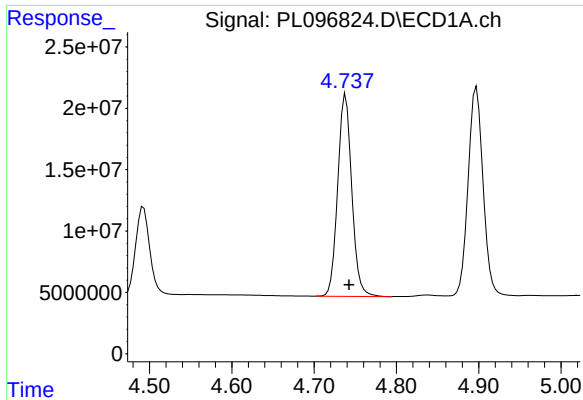
#6 beta-BHC

R.T.: 4.493 min
Delta R.T.: -0.004 min
Response: 84541325
Conc: 46.84 ng/ml



#6 beta-BHC

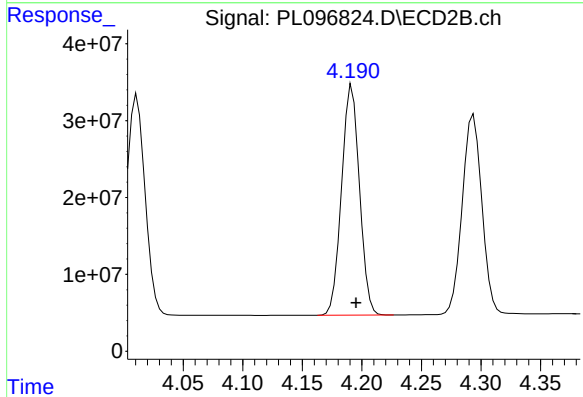
R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 135784500
Conc: 48.14 ng/ml



#7 delta-BHC

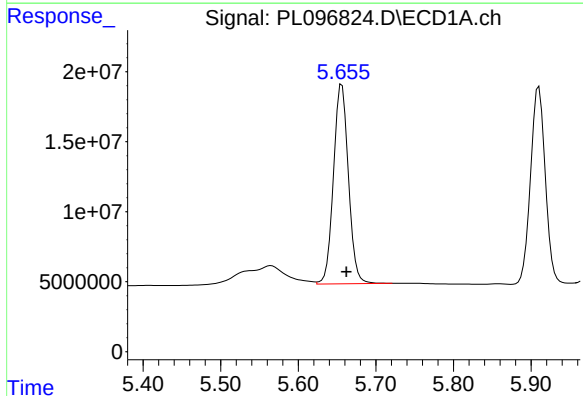
R.T.: 4.738 min
Delta R.T.: -0.004 min
Response: 195226463
Conc: 48.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD



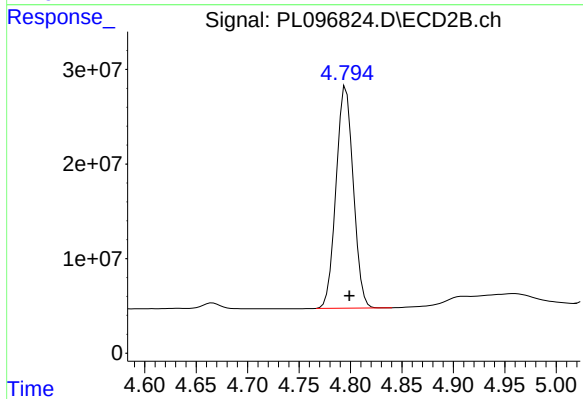
#7 delta-BHC

R.T.: 4.192 min
Delta R.T.: -0.003 min
Response: 313372209
Conc: 48.41 ng/ml



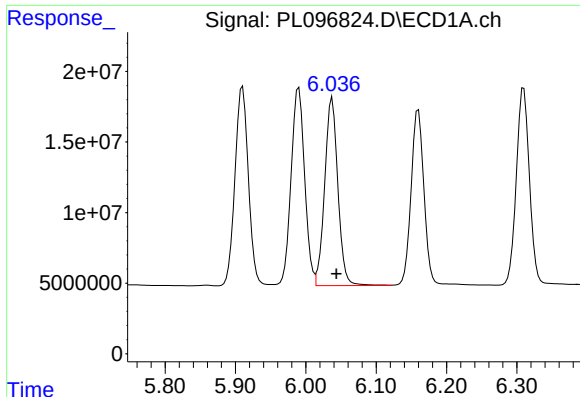
#8 Heptachlor epoxide

R.T.: 5.656 min
Delta R.T.: -0.006 min
Response: 190649519
Conc: 49.44 ng/ml



#8 Heptachlor epoxide

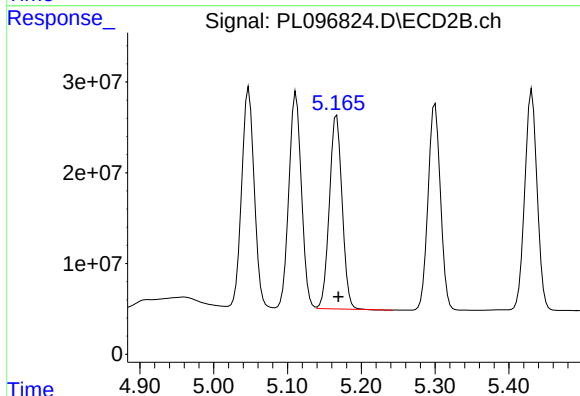
R.T.: 4.796 min
Delta R.T.: -0.003 min
Response: 273458365
Conc: 47.88 ng/ml



#9 Endosulfan I

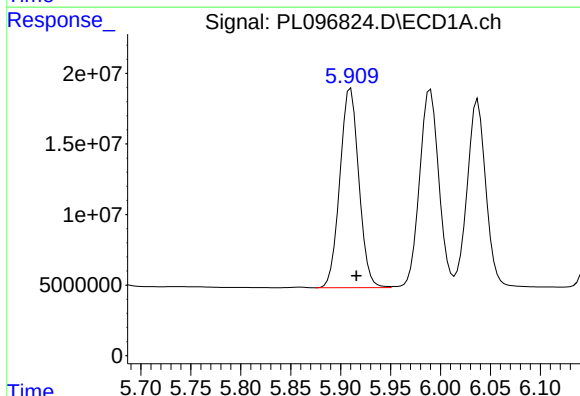
R.T.: 6.037 min
Delta R.T.: -0.006 min
Response: 173622932
Conc: 48.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD



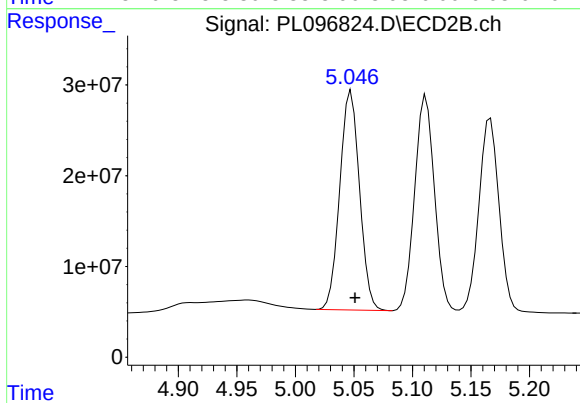
#9 Endosulfan I

R.T.: 5.167 min
Delta R.T.: -0.002 min
Response: 255405216
Conc: 46.17 ng/ml



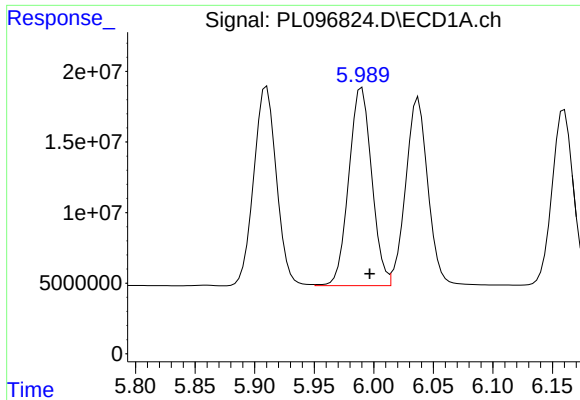
#10 gamma-Chlordane

R.T.: 5.910 min
Delta R.T.: -0.006 min
Response: 186943063
Conc: 49.13 ng/ml



#10 gamma-Chlordane

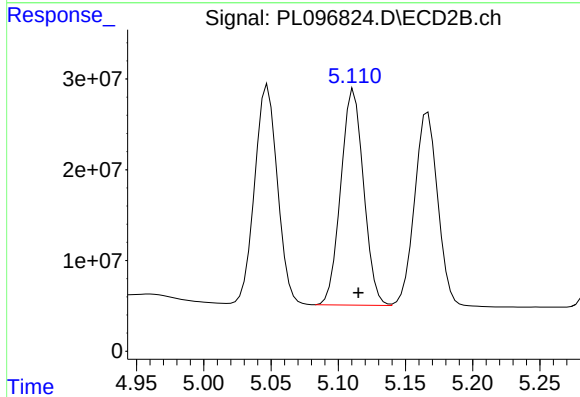
R.T.: 5.048 min
Delta R.T.: -0.003 min
Response: 283843264
Conc: 48.27 ng/ml



#11 alpha-Chlordane

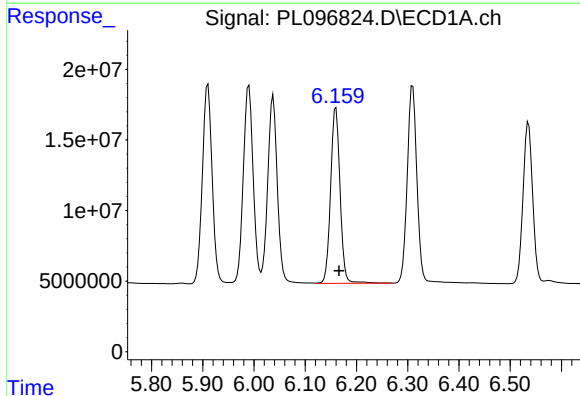
R.T.: 5.990 min
Delta R.T.: -0.006 min
Response: 188211879
Conc: 48.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD



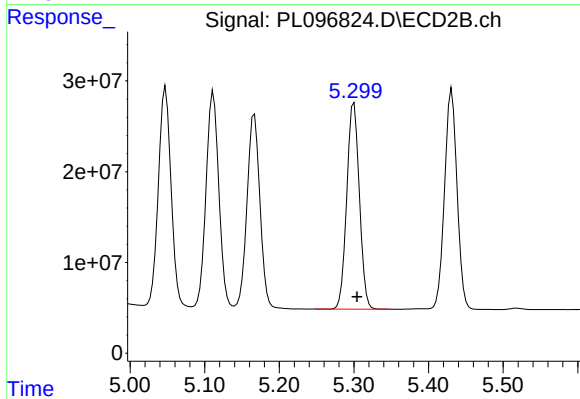
#11 alpha-Chlordane

R.T.: 5.112 min
Delta R.T.: -0.003 min
Response: 280162453
Conc: 47.49 ng/ml



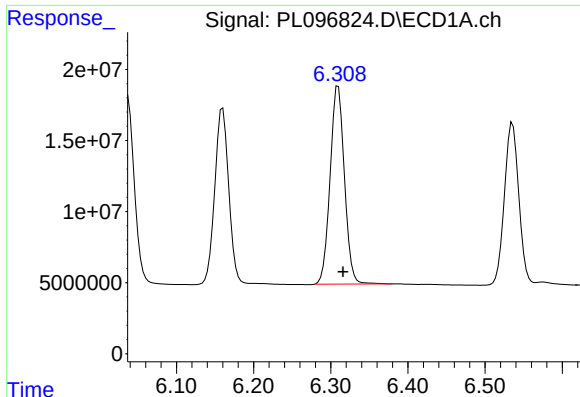
#12 4,4'-DDE

R.T.: 6.160 min
Delta R.T.: -0.006 min
Response: 159539795
Conc: 49.68 ng/ml



#12 4,4'-DDE

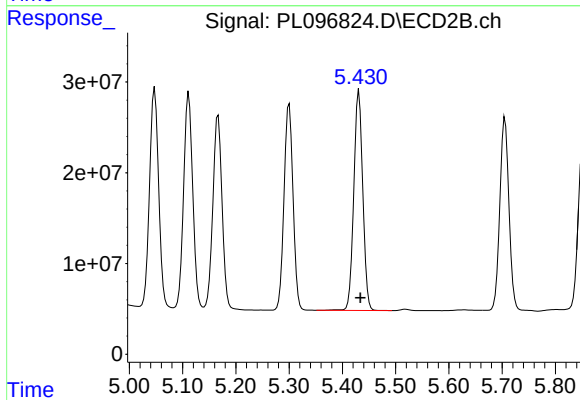
R.T.: 5.300 min
Delta R.T.: -0.004 min
Response: 265892329
Conc: 48.22 ng/ml



#13 Dieldrin

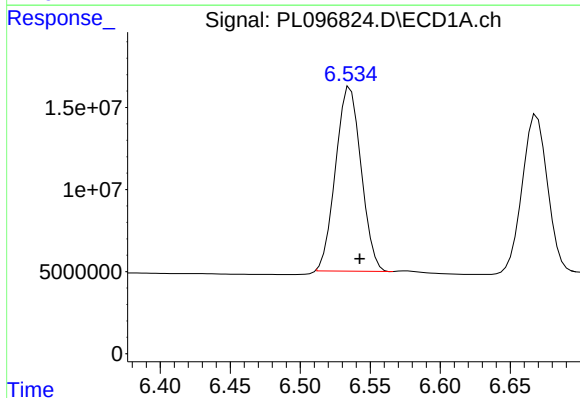
R.T.: 6.310 min
Delta R.T.: -0.006 min
Response: 180156209
Conc: 48.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD



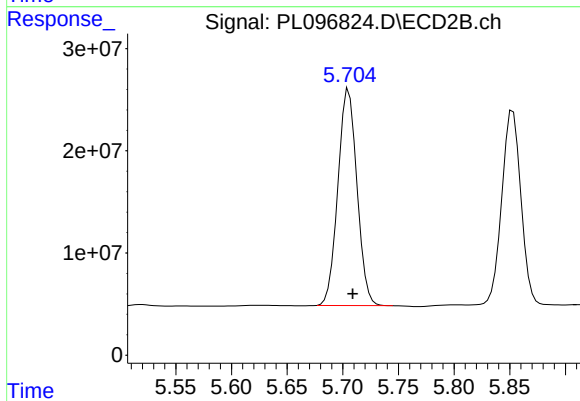
#13 Dieldrin

R.T.: 5.431 min
Delta R.T.: -0.003 min
Response: 284082332
Conc: 48.10 ng/ml



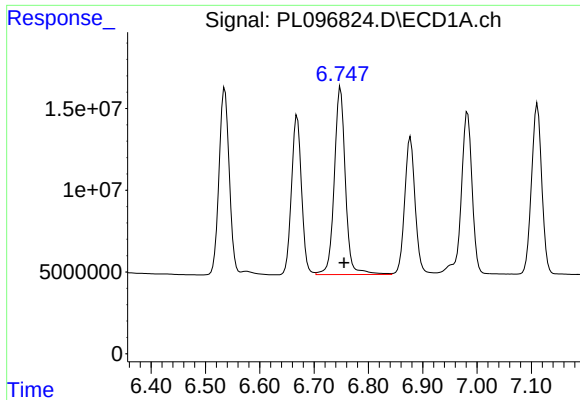
#14 Endrin

R.T.: 6.536 min
Delta R.T.: -0.007 min
Response: 142225524
Conc: 46.99 ng/ml



#14 Endrin

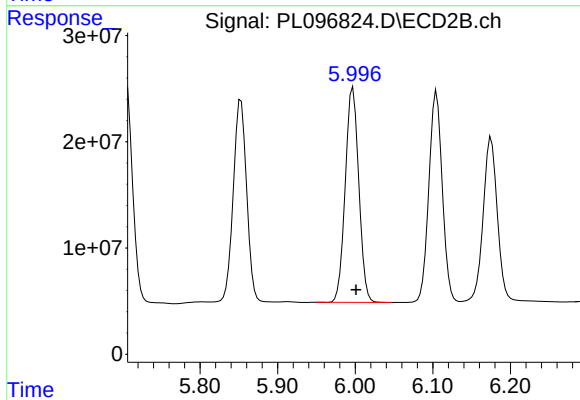
R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 253142704
Conc: 46.83 ng/ml



#15 Endosulfan II

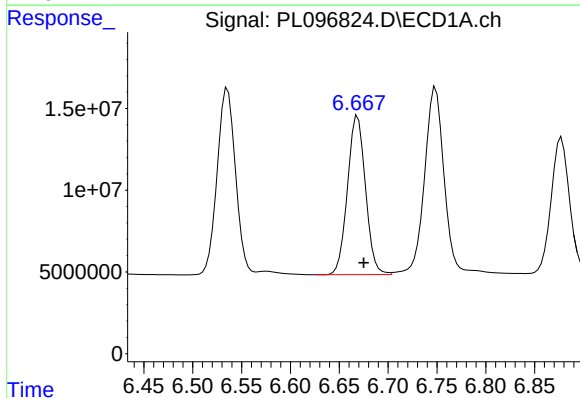
R.T.: 6.749 min
Delta R.T.: -0.006 min
Response: 162781600
Conc: 50.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD



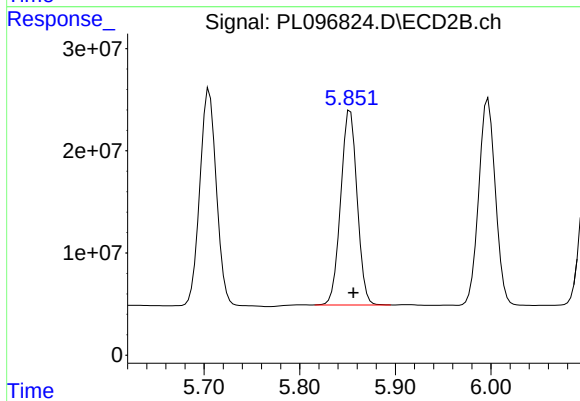
#15 Endosulfan II

R.T.: 5.997 min
Delta R.T.: -0.004 min
Response: 245214434
Conc: 47.74 ng/ml



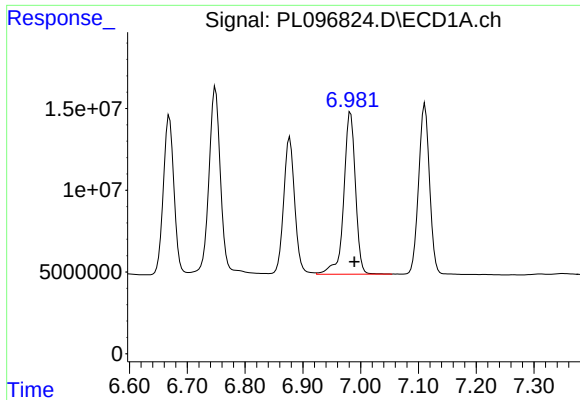
#16 4,4'-DDD

R.T.: 6.669 min
Delta R.T.: -0.006 min
Response: 124651862
Conc: 49.30 ng/ml



#16 4,4'-DDD

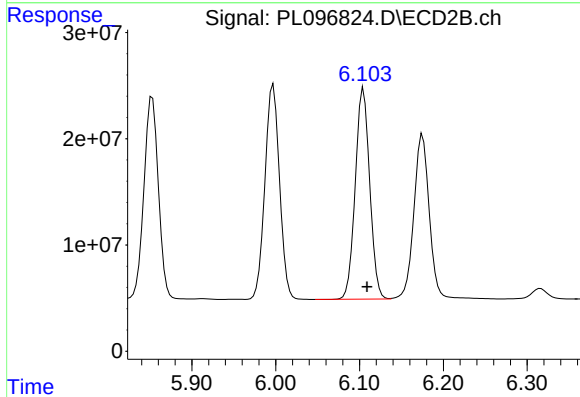
R.T.: 5.853 min
Delta R.T.: -0.003 min
Response: 227687881
Conc: 48.39 ng/ml



#17 4,4'-DDT

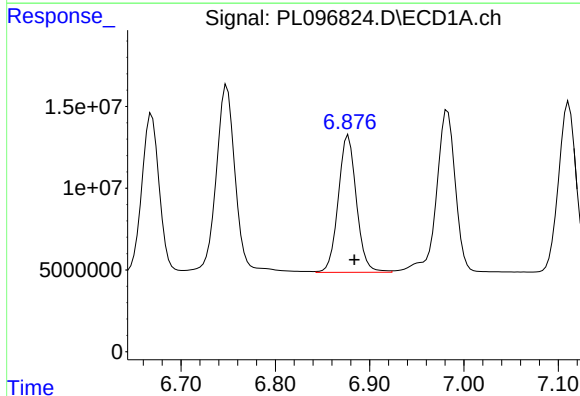
R.T.: 6.983 min
Delta R.T.: -0.006 min
Response: 138211624
Conc: 48.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD



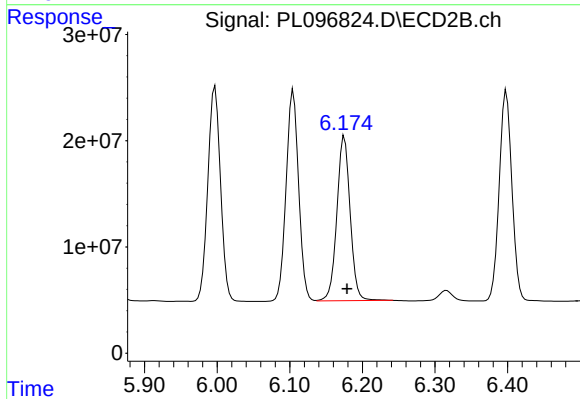
#17 4,4'-DDT

R.T.: 6.105 min
Delta R.T.: -0.004 min
Response: 238126866
Conc: 47.08 ng/ml



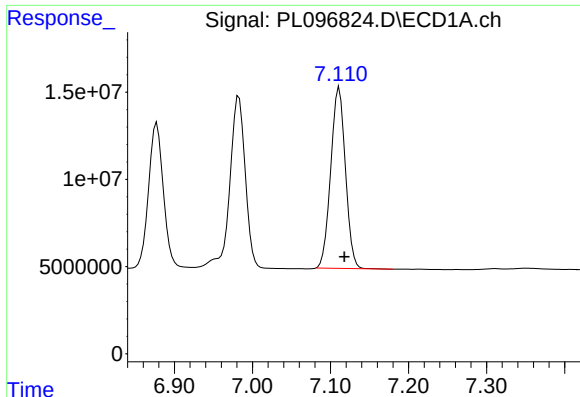
#18 Endrin aldehyde

R.T.: 6.878 min
Delta R.T.: -0.006 min
Response: 112065931
Conc: 52.22 ng/ml



#18 Endrin aldehyde

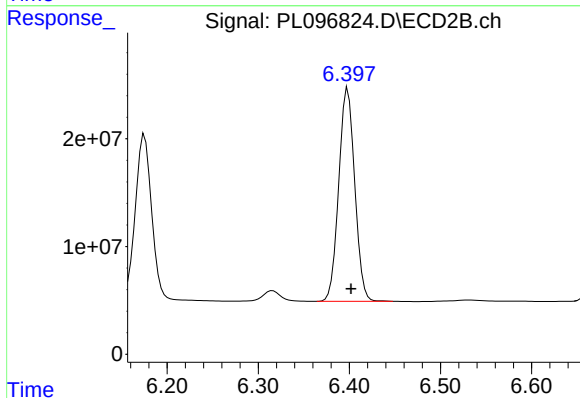
R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 196634214
Conc: 54.09 ng/ml



#19 Endosulfan Sulfate

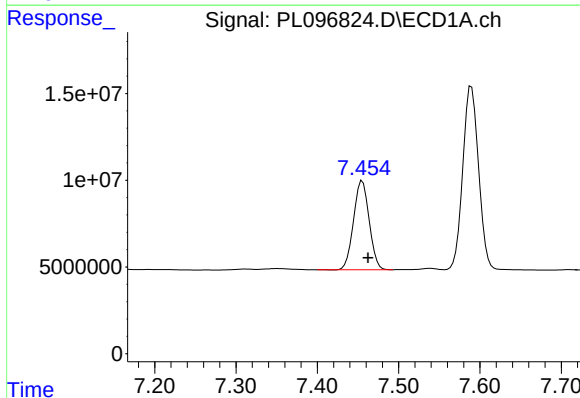
R.T.: 7.111 min
Delta R.T.: -0.006 min
Response: 135367424
Conc: 47.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD



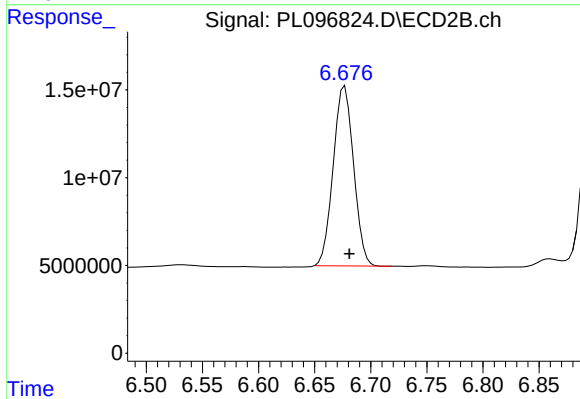
#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 241352693
Conc: 47.45 ng/ml



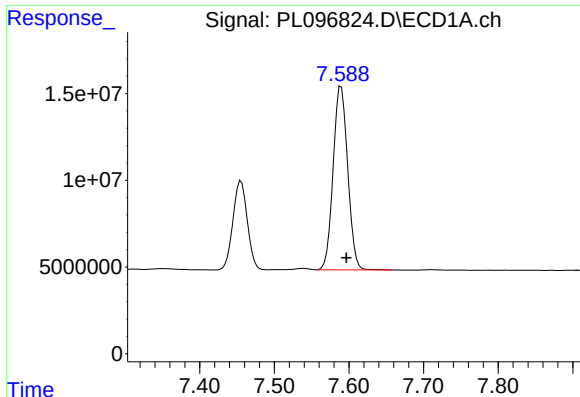
#20 Methoxychlor

R.T.: 7.455 min
Delta R.T.: -0.007 min
Response: 68285598
Conc: 46.50 ng/ml



#20 Methoxychlor

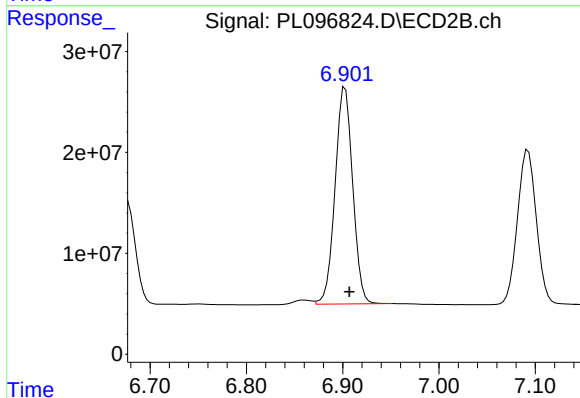
R.T.: 6.677 min
Delta R.T.: -0.004 min
Response: 129462927
Conc: 47.24 ng/ml



#21 Endrin ketone

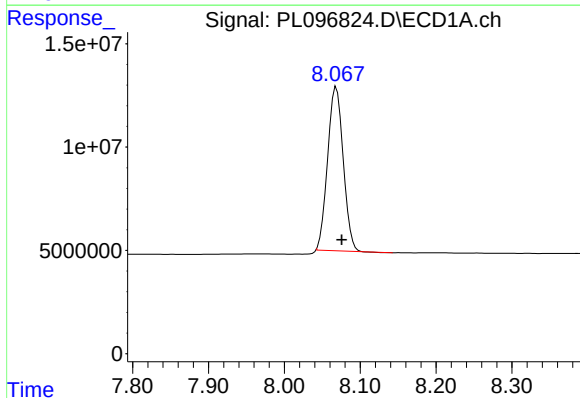
R.T.: 7.590 min
Delta R.T.: -0.007 min
Response: 143858655
Conc: 47.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD



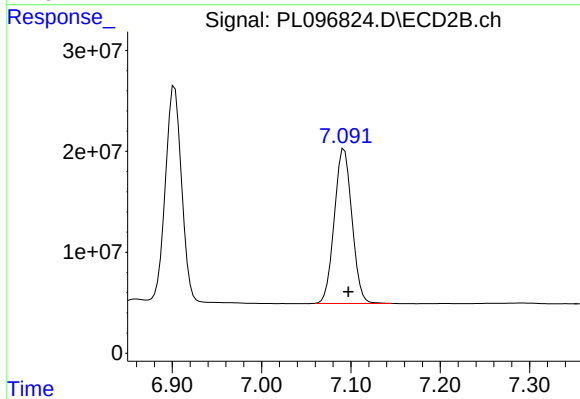
#21 Endrin ketone

R.T.: 6.903 min
Delta R.T.: -0.004 min
Response: 273236792
Conc: 49.06 ng/ml



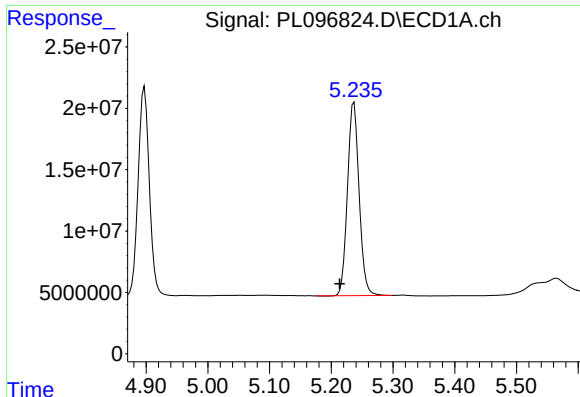
#22 Mirex

R.T.: 8.068 min
Delta R.T.: -0.007 min
Response: 113196979
Conc: 45.66 ng/ml



#22 Mirex

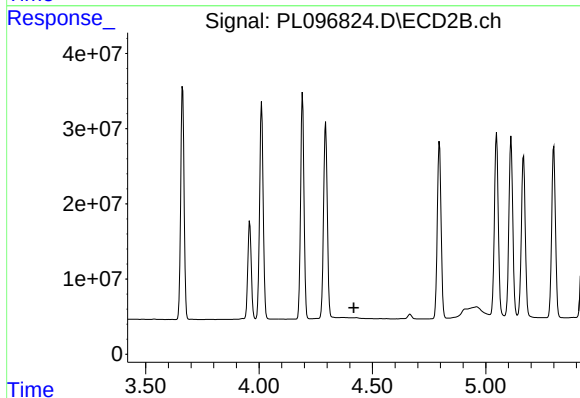
R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 210019786
Conc: 48.16 ng/ml



#24 Chlordane-2

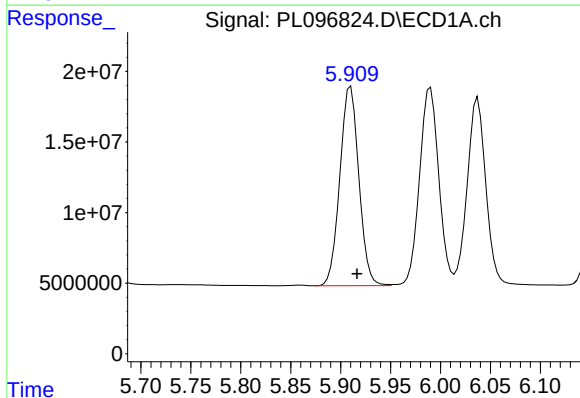
R.T.: 5.237 min
Delta R.T.: 0.023 min
Response: 207221296
Conc: 1184.08 ng/m

Instrument :
ECD_L
ClientSampleId :
PB169225BSD



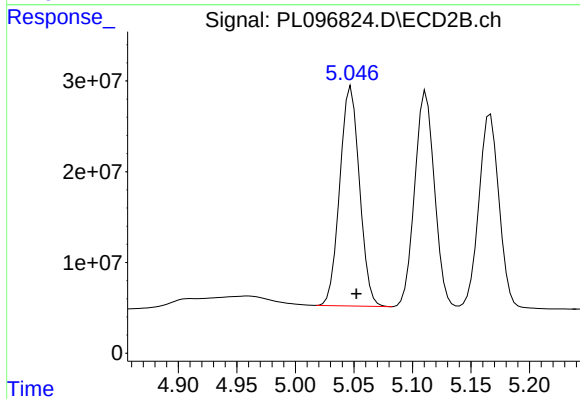
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.418 min
Response: 0
Conc: N.D.



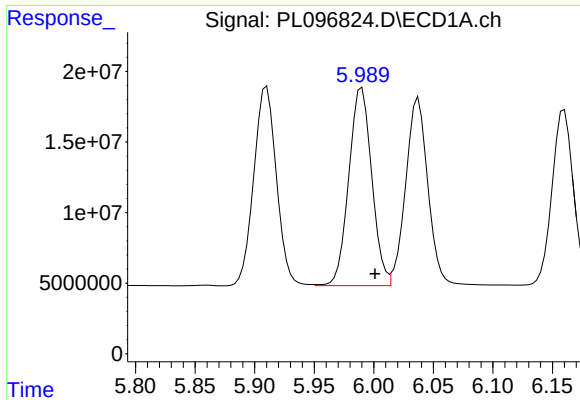
#25 Chlordane-3

R.T.: 5.910 min
Delta R.T.: -0.006 min
Response: 186943063
Conc: 279.88 ng/ml



#25 Chlordane-3

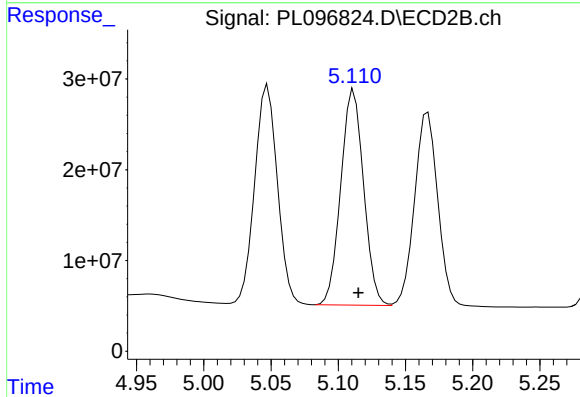
R.T.: 5.048 min
Delta R.T.: -0.004 min
Response: 283843264
Conc: 408.23 ng/ml



#26 Chlordane-4

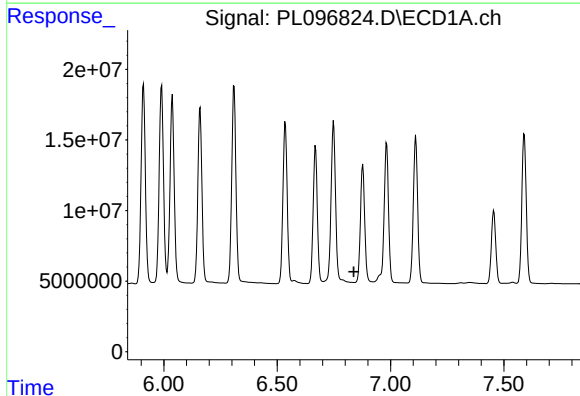
R.T.: 5.990 min
Delta R.T.: -0.011 min
Response: 188211879
Conc: 227.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD



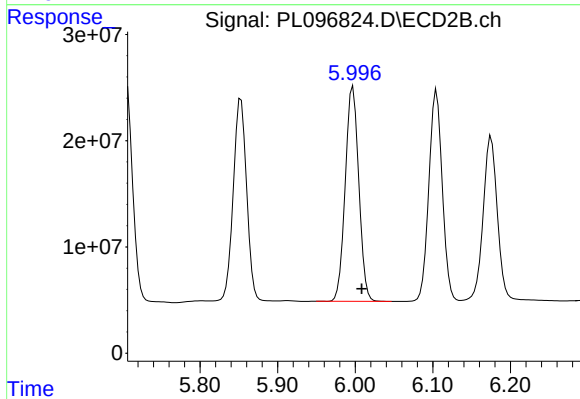
#26 Chlordane-4

R.T.: 5.112 min
Delta R.T.: -0.003 min
Response: 280162453
Conc: 450.18 ng/ml



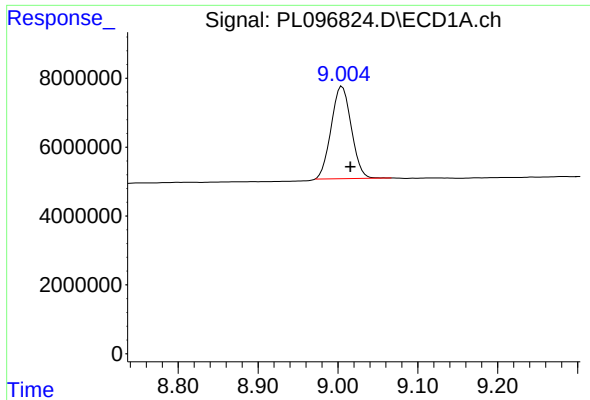
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.838 min
Response: 0
Conc: N.D.



#27 Chlordane-5

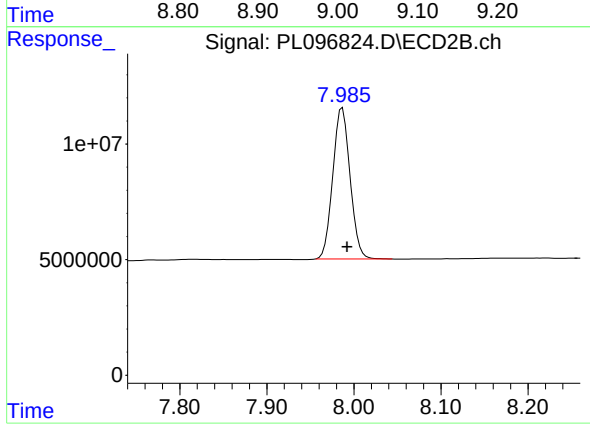
R.T.: 5.997 min
Delta R.T.: -0.012 min
Response: 245214434
Conc: 961.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.005 min
Delta R.T.: -0.010 min
Response: 46912605
Conc: 19.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BSD



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 90356362
Conc: 20.83 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
 Data File : PL096827.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 17:51
 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 05:55:42 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	64368055	98181459	20.237	20.550
28)	SA Decachlor...	9.006	7.987	52183738	95702144	21.883	22.060
Target Compounds							
14)	MA Endrin	0.000	5.714	0	6592782	N.D.	1.220 #
15)	B Endosulfa...	6.734f	0.000	4706082	0	1.469	N.D. #
18)	B Endrin al...	0.000	6.163f	0	20519104	N.D.	5.645 #

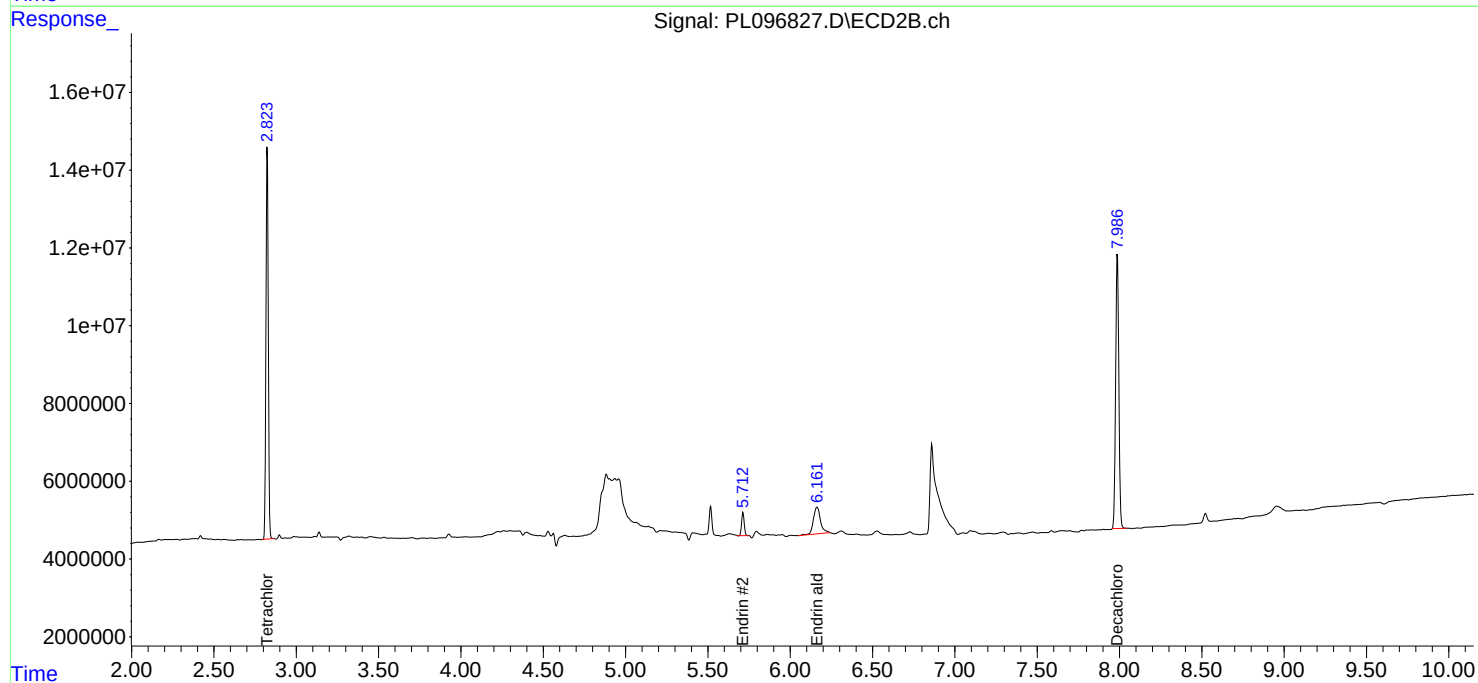
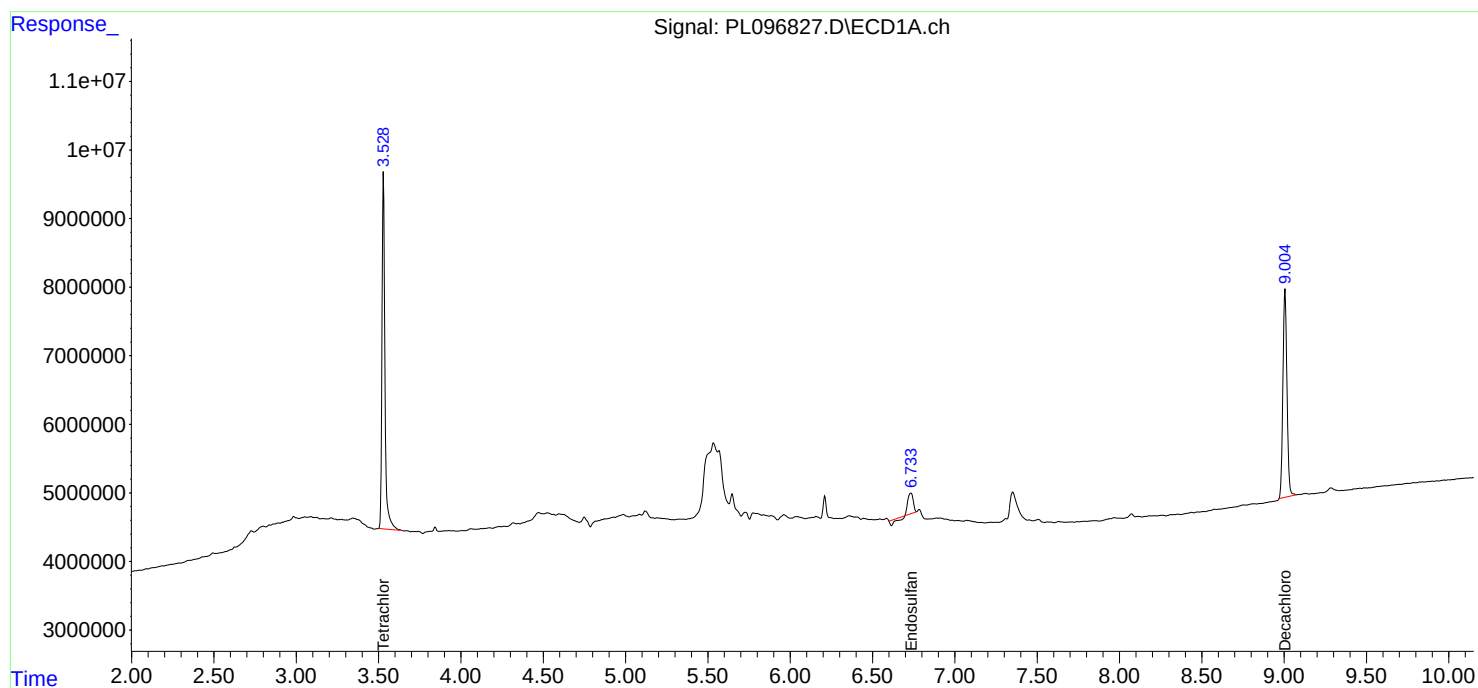
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

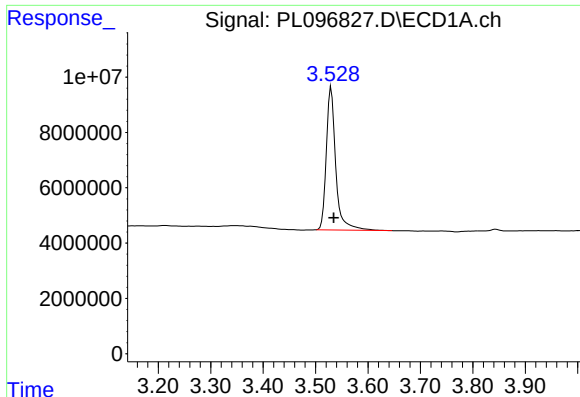
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096827.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 17:51
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:55:42 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

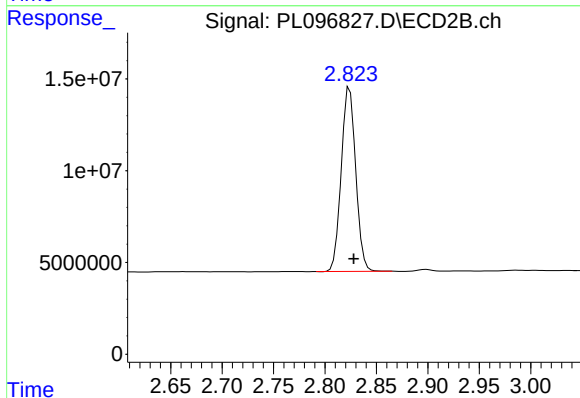




#1 Tetrachloro-m-xylene

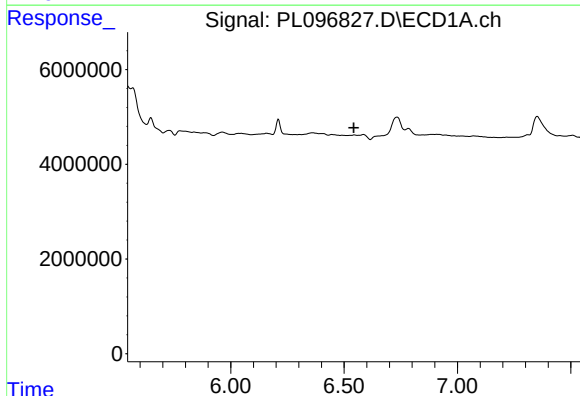
R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 64368055
Conc: 20.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



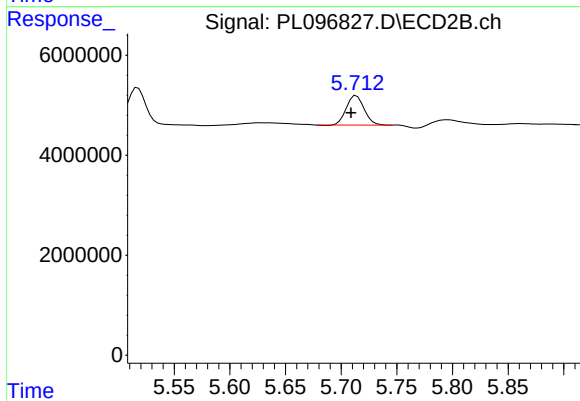
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: -0.004 min
Response: 98181459
Conc: 20.55 ng/ml



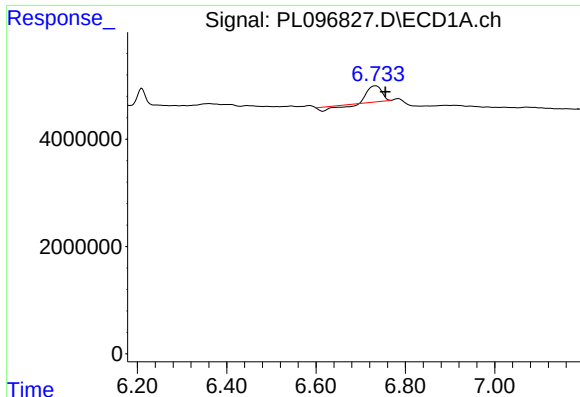
#14 Endrin

R.T.: 0.000 min
Exp R.T. : 6.542 min
Response: 0
Conc: N.D.



#14 Endrin

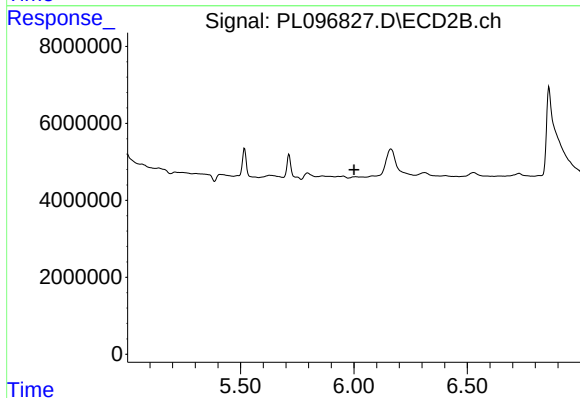
R.T.: 5.714 min
Delta R.T.: 0.005 min
Response: 6592782
Conc: 1.22 ng/ml



#15 Endosulfan II

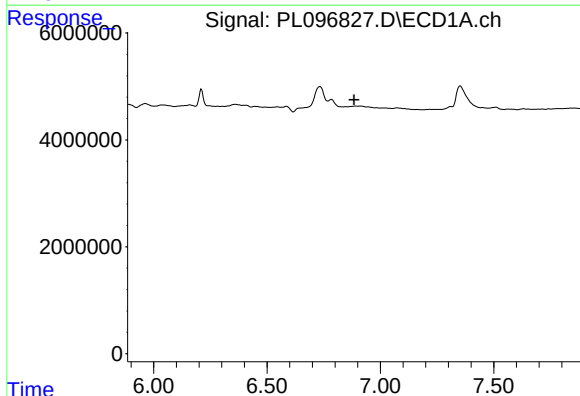
R.T.: 6.734 min
Delta R.T.: -0.021 min
Response: 4706082
Conc: 1.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



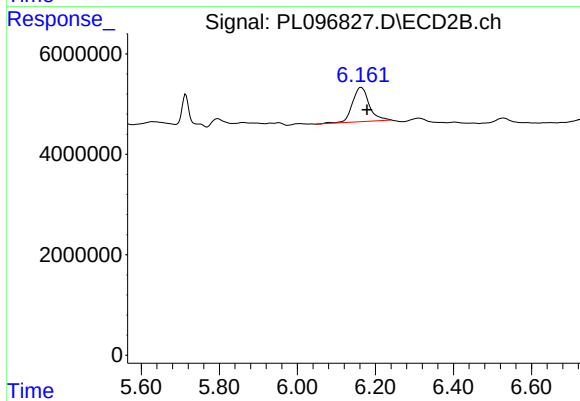
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.001 min
Response: 0
Conc: N.D.



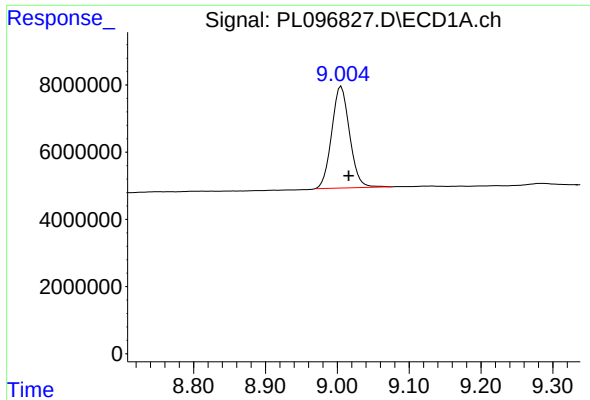
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.884 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

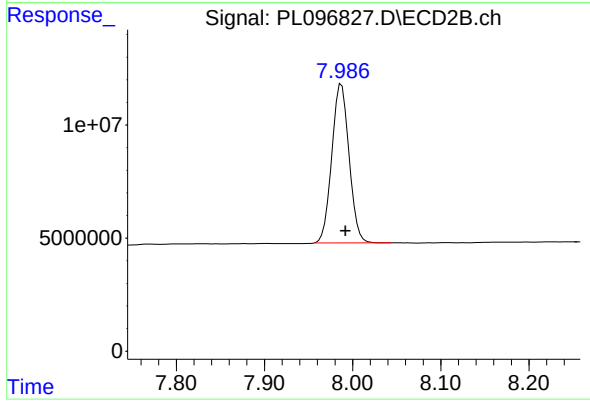
R.T.: 6.163 min
Delta R.T.: -0.016 min
Response: 20519104
Conc: 5.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.006 min
Delta R.T.: -0.010 min
Response: 52183738
Conc: 21.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 95702144
Conc: 22.06 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
 Data File : PL096828.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 18:05
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

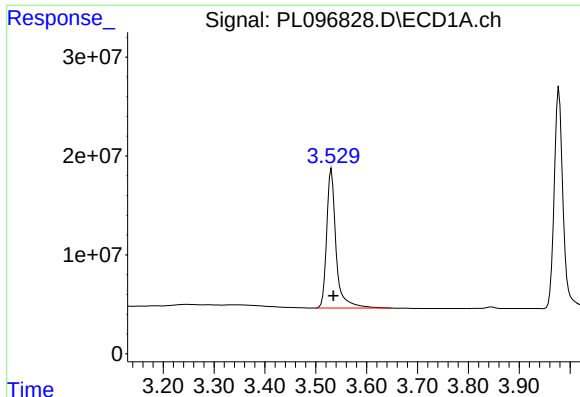
Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 05:55:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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	180.8E6	262.6E6	56.837	54.955
2)	SA Decachlor...	9.005	7.986	124.9E6	230.0E6	52.360	53.015
Target Compounds							
2)	A alpha-BHC	3.978	3.331	265.6E6	391.8E6	57.410	55.367
3)	MA gamma-BHC...	4.305	3.663	249.0E6	364.2E6	56.284	55.153
4)	MA Heptachlor	4.897	4.011	251.2E6	358.3E6	60.447	53.779
5)	MB Aldrin	5.237	4.294	244.0E6	337.3E6	56.736	54.343
6)	B beta-BHC	4.492	3.959	100.3E6	155.5E6	55.575	55.137
7)	B delta-BHC	4.738	4.192	233.2E6	357.2E6	58.436	55.177
8)	B Heptachlo...	5.656	4.796	224.7E6	306.0E6	58.256	53.572
9)	A Endosulfan I	6.038	5.166	198.5E6	281.6E6	55.197	50.904
10)	B gamma-Chl...	5.910	5.047	217.9E6	319.1E6	57.272	54.270
11)	B alpha-Chl...	5.990	5.112	217.6E6	313.0E6	56.444	53.056
12)	B 4,4'-DDE	6.160	5.300	179.1E6	295.5E6	55.767	53.587
13)	MA Dieldrin	6.310	5.431	208.1E6	315.8E6	56.087	53.465
14)	MA Endrin	6.536	5.705	165.8E6	285.1E6	54.784	52.735
15)	B Endosulfa...	6.749	5.997	192.5E6	273.0E6	60.113	53.148
16)	A 4,4'-DDD	6.669	5.853	148.8E6	252.4E6	58.869	53.649
17)	MA 4,4'-DDT	6.983	6.105	158.8E6	268.7E6	55.393	53.128
18)	B Endrin al...	6.878	6.175	125.7E6	207.6E6	58.576	57.110
19)	B Endosulfa...	7.111	6.398	154.1E6	268.2E6	53.613	52.730
20)	A Methoxychlor	7.456	6.677	78302387	143.6E6	53.327	52.384
21)	B Endrin ke...	7.590	6.902	162.8E6	314.7E6	54.131	56.503
22)	Mirex	8.069	7.092	127.1E6	232.2E6	51.279	53.257
24)	Chlordane-2	5.237f	0.000	244.0E6	0	1394.359	N.D. #
25)	Chlordane-3	5.910	5.047	217.9E6	319.1E6	326.278	458.954 #
26)	Chlordane-4	5.990	5.112	217.6E6	313.0E6	262.866	502.899 #
27)	Chlordane-5	0.000	5.997	0	273.0E6	N.D.	1070.039 #

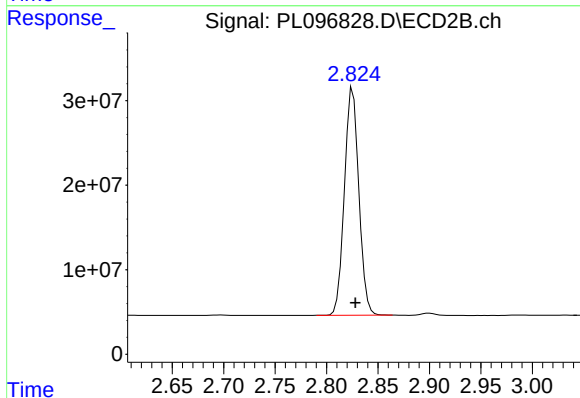
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



#1 Tetrachloro-m-xylene

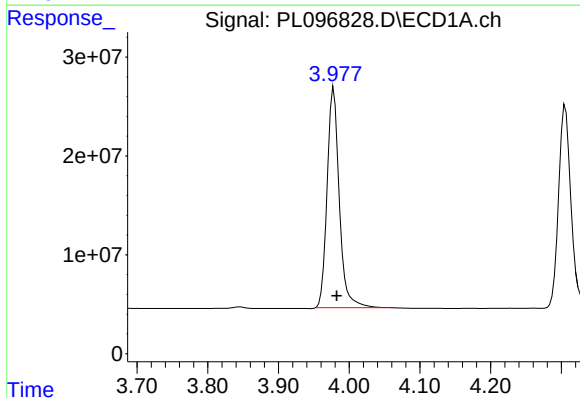
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 180784769
Conc: 56.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



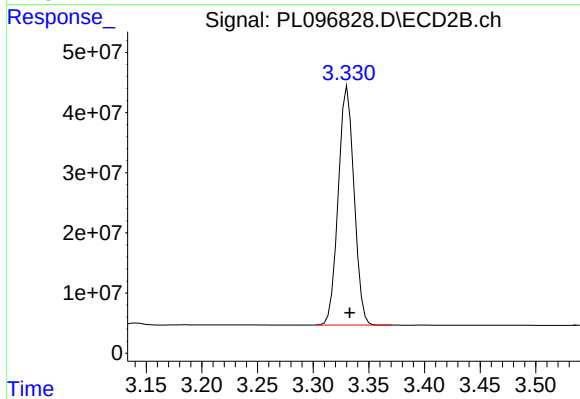
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 262561642
Conc: 54.95 ng/ml



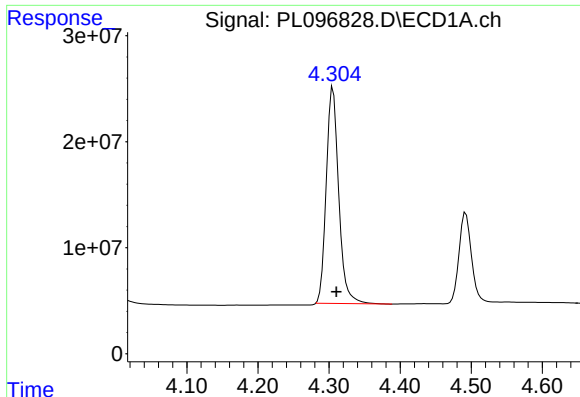
#2 alpha-BHC

R.T.: 3.978 min
Delta R.T.: -0.004 min
Response: 265600436
Conc: 57.41 ng/ml



#2 alpha-BHC

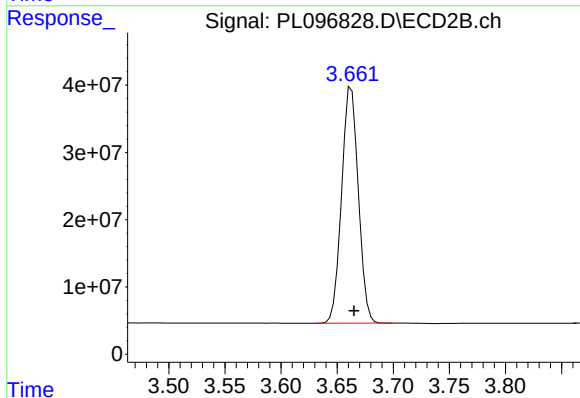
R.T.: 3.331 min
Delta R.T.: -0.002 min
Response: 391837029
Conc: 55.37 ng/ml



#3 gamma-BHC (Lindane)

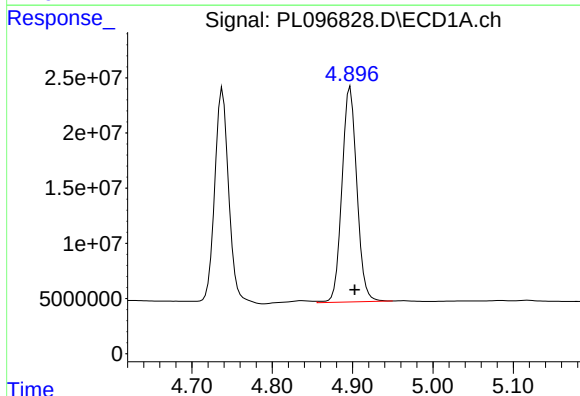
R.T.: 4.305 min
Delta R.T.: -0.005 min
Response: 248967627
Conc: 56.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



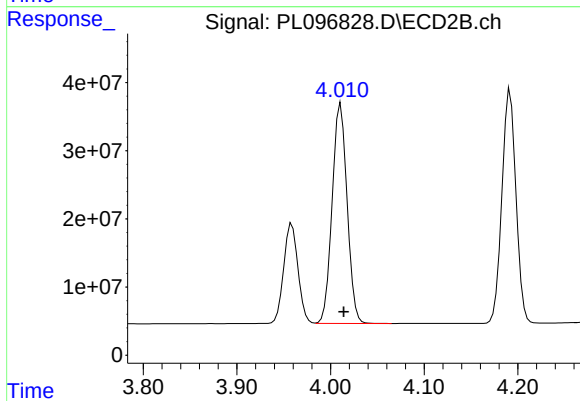
#3 gamma-BHC (Lindane)

R.T.: 3.663 min
Delta R.T.: -0.002 min
Response: 364194496
Conc: 55.15 ng/ml



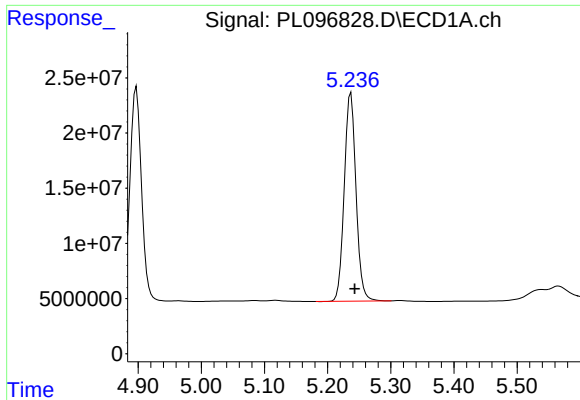
#4 Heptachlor

R.T.: 4.897 min
Delta R.T.: -0.006 min
Response: 251200000
Conc: 60.45 ng/ml



#4 Heptachlor

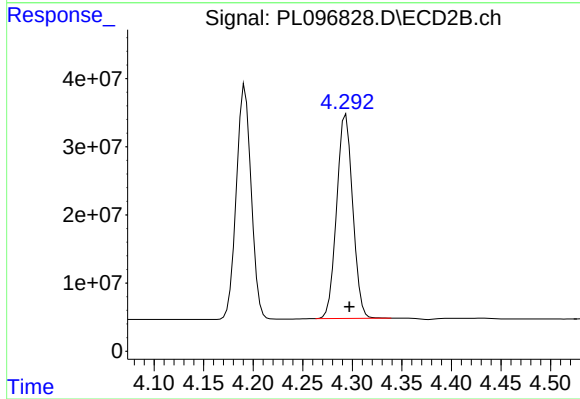
R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 358273285
Conc: 53.78 ng/ml



#5 Aldrin

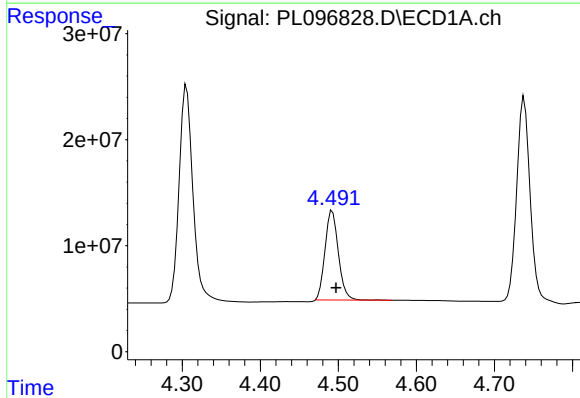
R.T.: 5.237 min
Delta R.T.: -0.006 min
Response: 244022336
Conc: 56.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



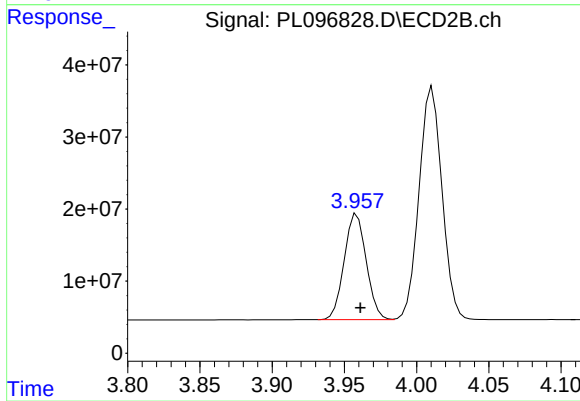
#5 Aldrin

R.T.: 4.294 min
Delta R.T.: -0.003 min
Response: 337308377
Conc: 54.34 ng/ml



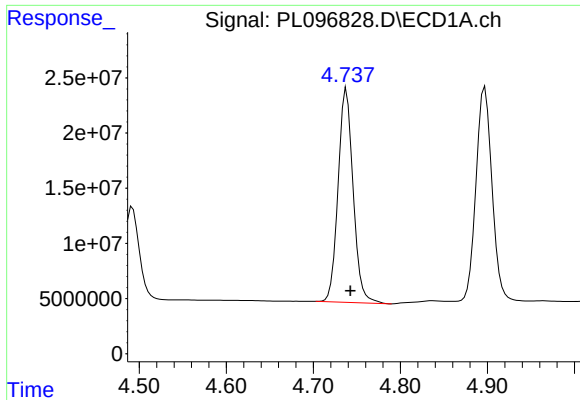
#6 beta-BHC

R.T.: 4.492 min
Delta R.T.: -0.005 min
Response: 100310566
Conc: 55.57 ng/ml



#6 beta-BHC

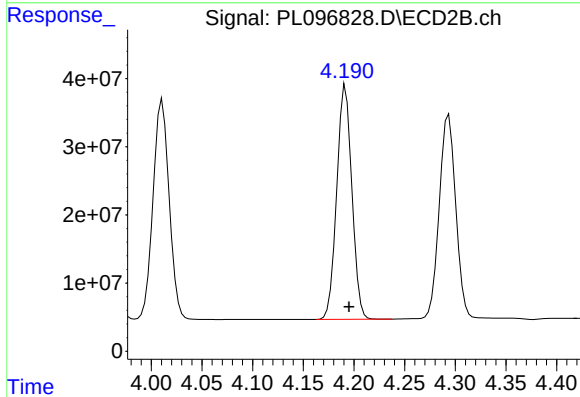
R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 155535841
Conc: 55.14 ng/ml



#7 delta-BHC

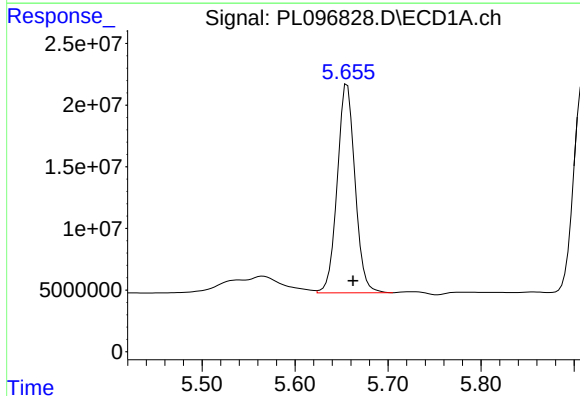
R.T.: 4.738 min
Delta R.T.: -0.004 min
Response: 233150376
Conc: 58.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



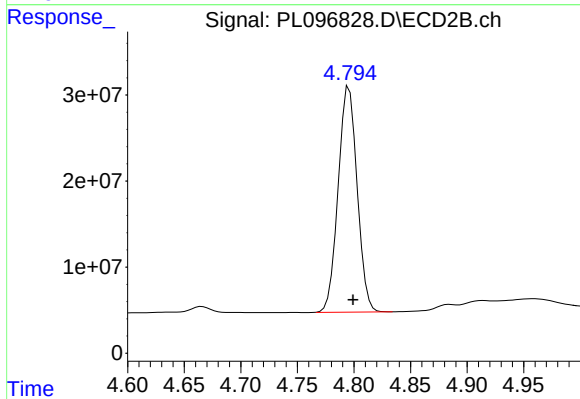
#7 delta-BHC

R.T.: 4.192 min
Delta R.T.: -0.003 min
Response: 357192657
Conc: 55.18 ng/ml



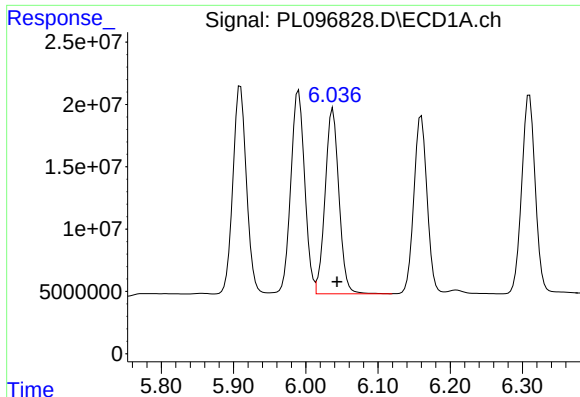
#8 Heptachlor epoxide

R.T.: 5.656 min
Delta R.T.: -0.006 min
Response: 224665911
Conc: 58.26 ng/ml



#8 Heptachlor epoxide

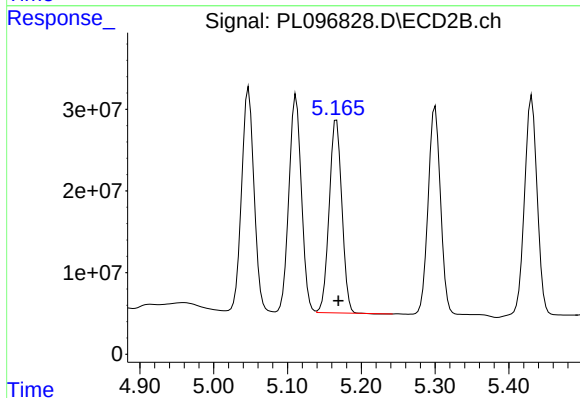
R.T.: 4.796 min
Delta R.T.: -0.003 min
Response: 305967969
Conc: 53.57 ng/ml



#9 Endosulfan I

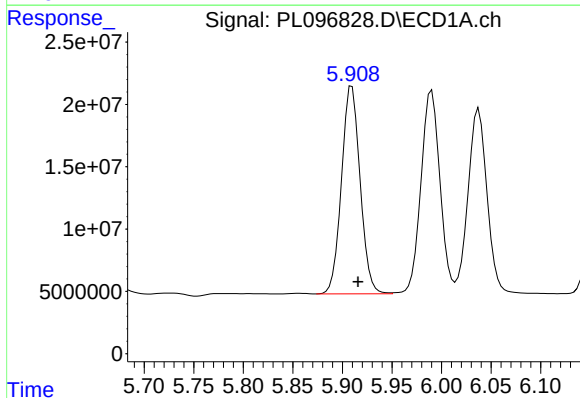
R.T.: 6.038 min
Delta R.T.: -0.006 min
Response: 198508279
Conc: 55.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



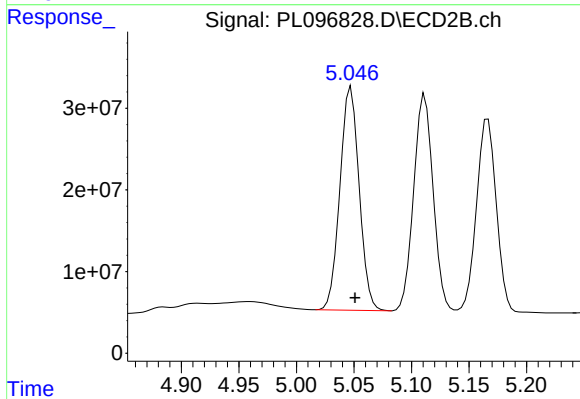
#9 Endosulfan I

R.T.: 5.166 min
Delta R.T.: -0.003 min
Response: 281573435
Conc: 50.90 ng/ml



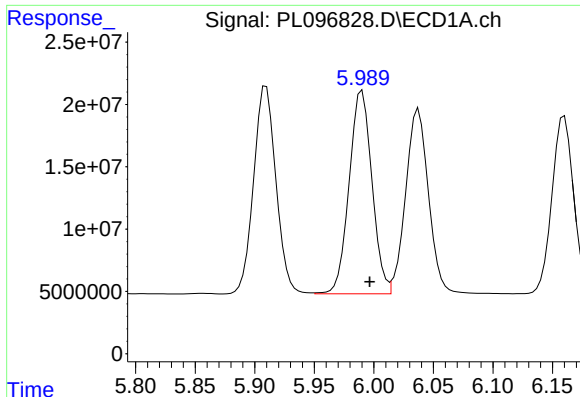
#10 gamma-Chlordane

R.T.: 5.910 min
Delta R.T.: -0.006 min
Response: 217933444
Conc: 57.27 ng/ml



#10 gamma-Chlordane

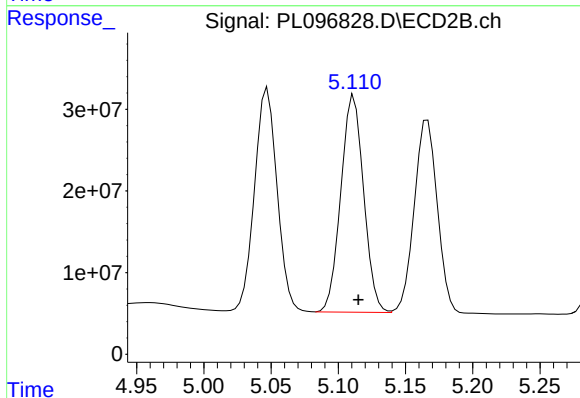
R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 319111731
Conc: 54.27 ng/ml



#11 alpha-Chlordane

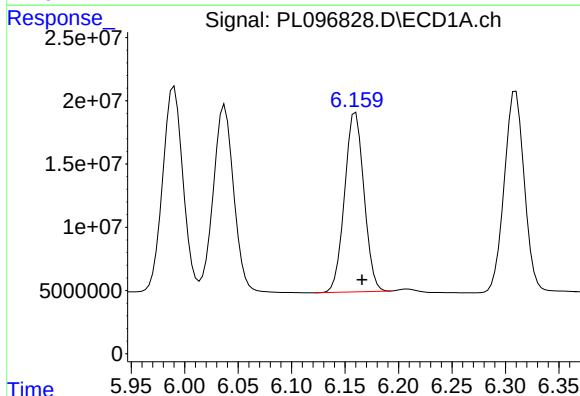
R.T.: 5.990 min
Delta R.T.: -0.006 min
Response: 217573409
Conc: 56.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



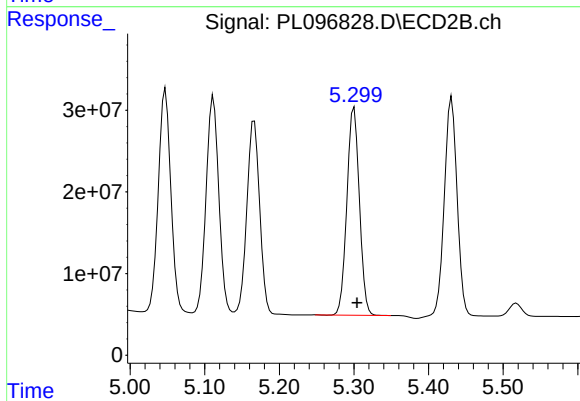
#11 alpha-Chlordane

R.T.: 5.112 min
Delta R.T.: -0.003 min
Response: 312970390
Conc: 53.06 ng/ml



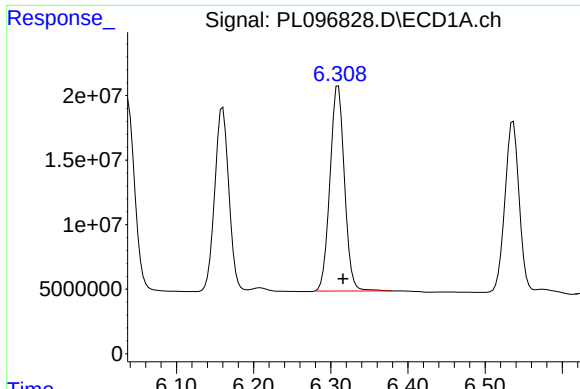
#12 4,4'-DDE

R.T.: 6.160 min
Delta R.T.: -0.006 min
Response: 179083022
Conc: 55.77 ng/ml



#12 4,4'-DDE

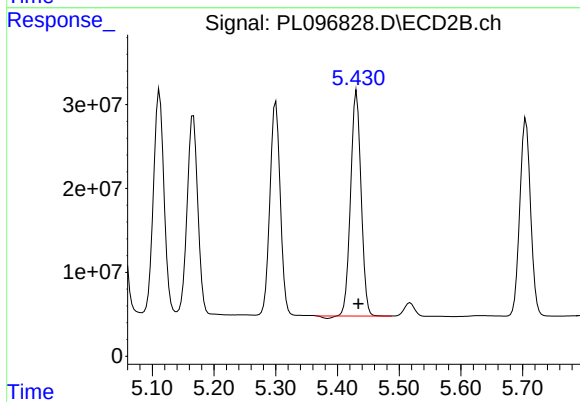
R.T.: 5.300 min
Delta R.T.: -0.004 min
Response: 295499974
Conc: 53.59 ng/ml



#13 Dieldrin

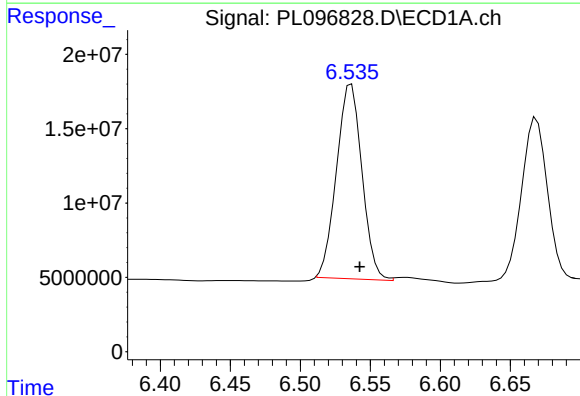
R.T.: 6.310 min
Delta R.T.: -0.006 min
Response: 208146865
Conc: 56.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



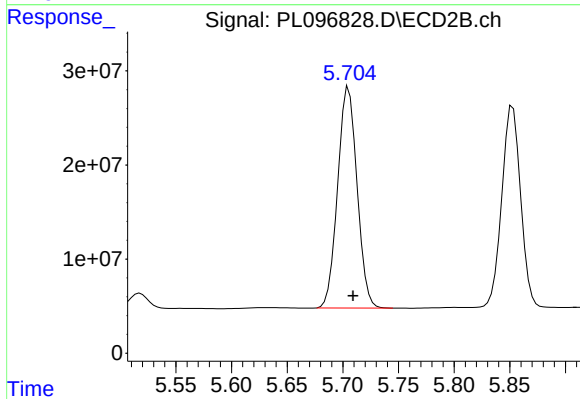
#13 Dieldrin

R.T.: 5.431 min
Delta R.T.: -0.003 min
Response: 315794823
Conc: 53.47 ng/ml



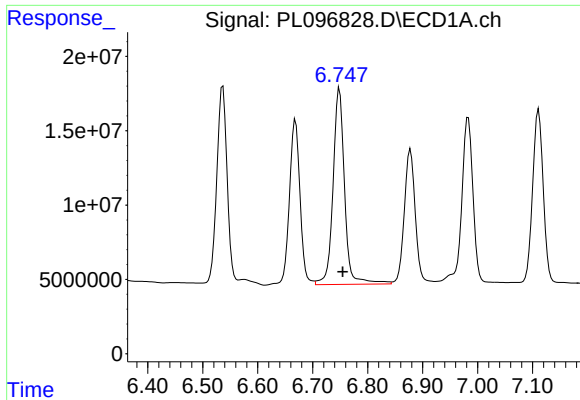
#14 Endrin

R.T.: 6.536 min
Delta R.T.: -0.006 min
Response: 165819585
Conc: 54.78 ng/ml



#14 Endrin

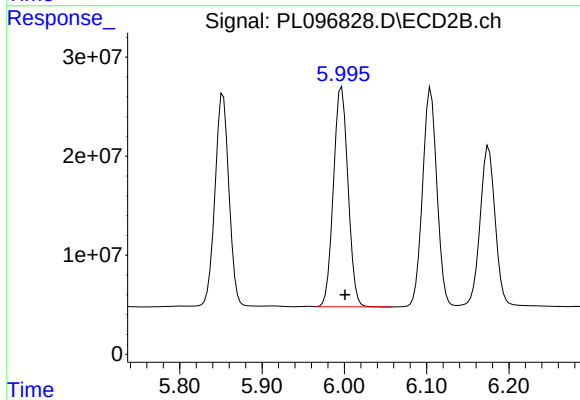
R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 285083802
Conc: 52.74 ng/ml



#15 Endosulfan II

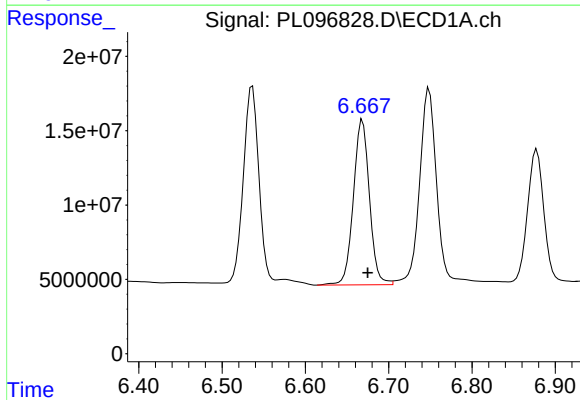
R.T.: 6.749 min
Delta R.T.: -0.006 min
Response: 192519100
Conc: 60.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



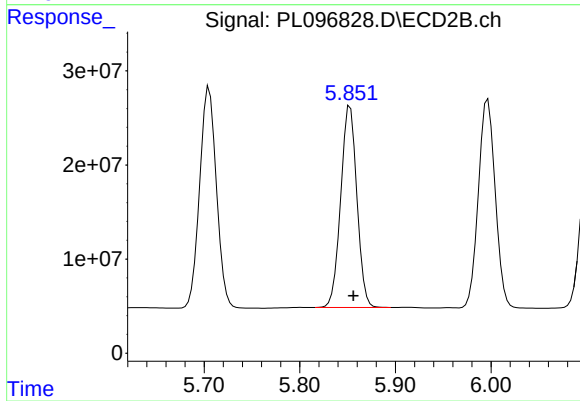
#15 Endosulfan II

R.T.: 5.997 min
Delta R.T.: -0.004 min
Response: 272979738
Conc: 53.15 ng/ml



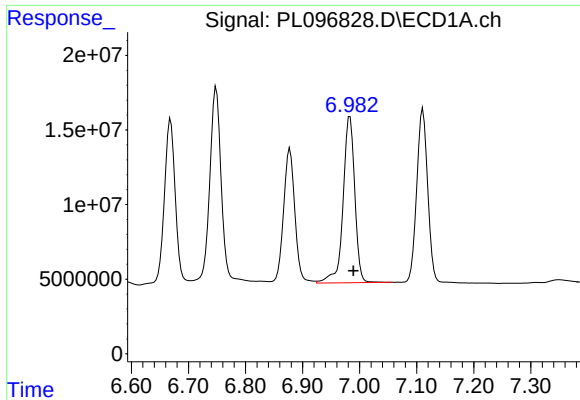
#16 4,4'-DDD

R.T.: 6.669 min
Delta R.T.: -0.006 min
Response: 148842821
Conc: 58.87 ng/ml



#16 4,4'-DDD

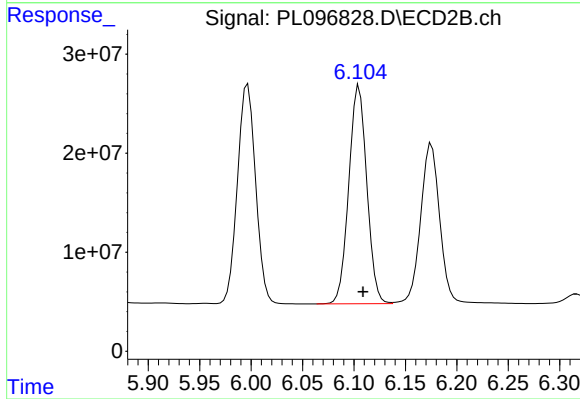
R.T.: 5.853 min
Delta R.T.: -0.003 min
Response: 252433717
Conc: 53.65 ng/ml



#17 4,4'-DDT

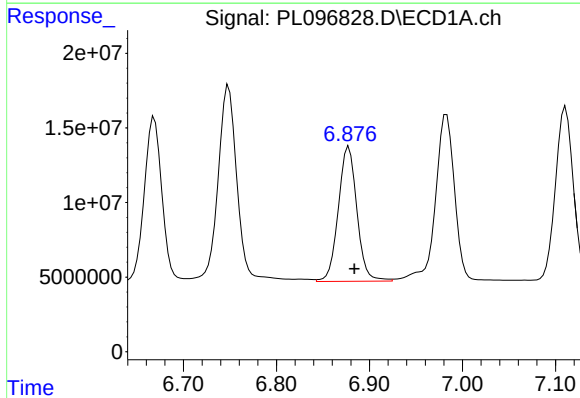
R.T.: 6.983 min
Delta R.T.: -0.006 min
Response: 158848972
Conc: 55.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



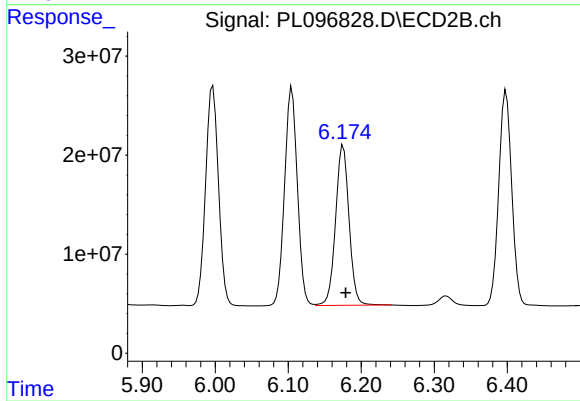
#17 4,4'-DDT

R.T.: 6.105 min
Delta R.T.: -0.004 min
Response: 268739257
Conc: 53.13 ng/ml



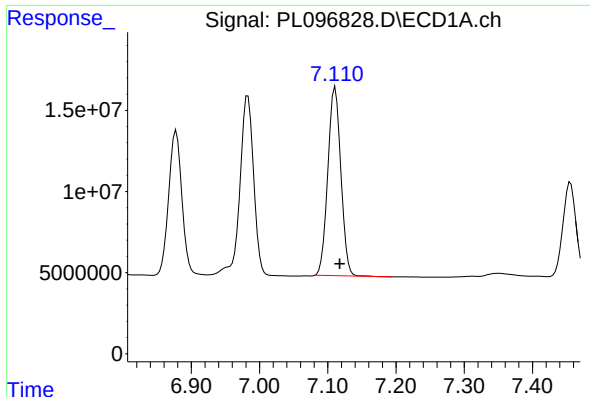
#18 Endrin aldehyde

R.T.: 6.878 min
Delta R.T.: -0.006 min
Response: 125699655
Conc: 58.58 ng/ml



#18 Endrin aldehyde

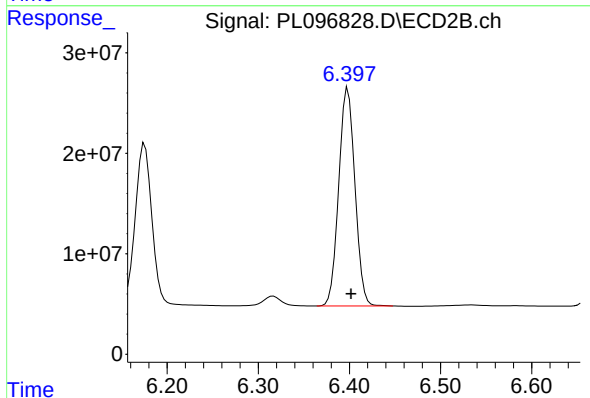
R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 207597724
Conc: 57.11 ng/ml



#19 Endosulfan Sulfate

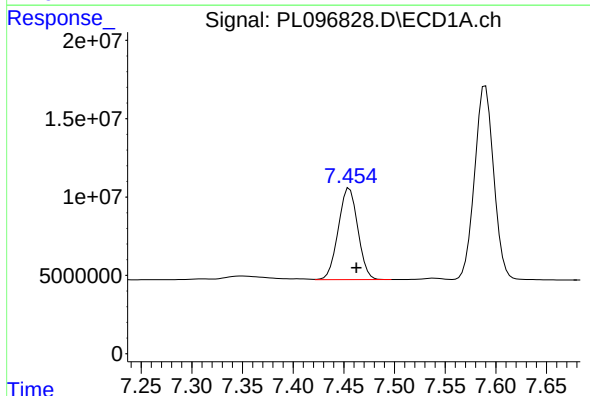
R.T.: 7.111 min
Delta R.T.: -0.007 min
Response: 154065949
Conc: 53.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



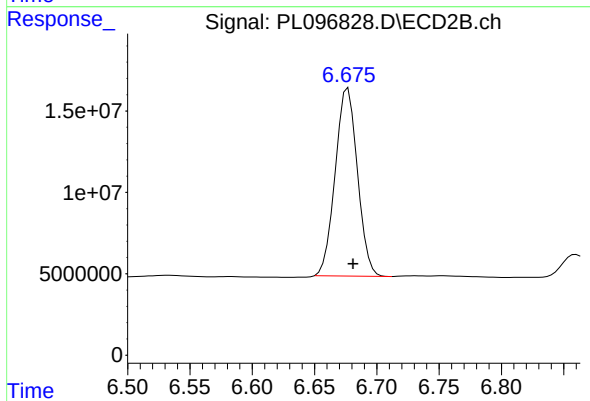
#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 268193619
Conc: 52.73 ng/ml



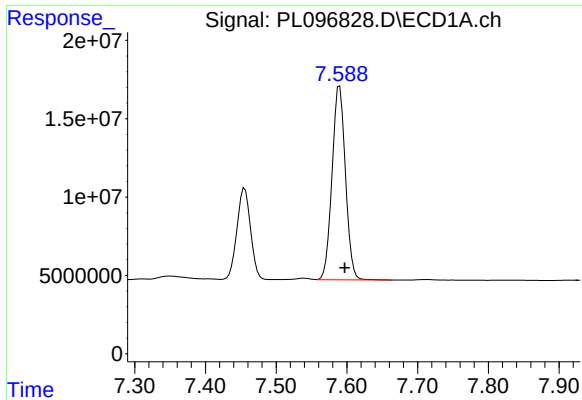
#20 Methoxychlor

R.T.: 7.456 min
Delta R.T.: -0.007 min
Response: 78302387
Conc: 53.33 ng/ml



#20 Methoxychlor

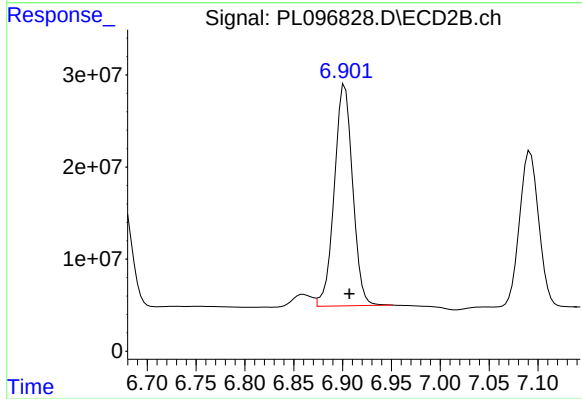
R.T.: 6.677 min
Delta R.T.: -0.004 min
Response: 143559352
Conc: 52.38 ng/ml



#21 Endrin ketone

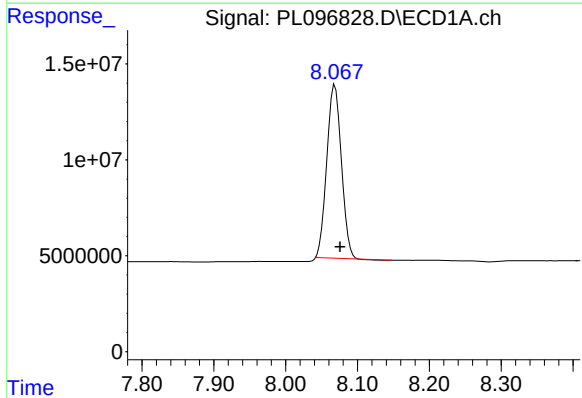
R.T.: 7.590 min
Delta R.T.: -0.007 min
Response: 162756760
Conc: 54.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



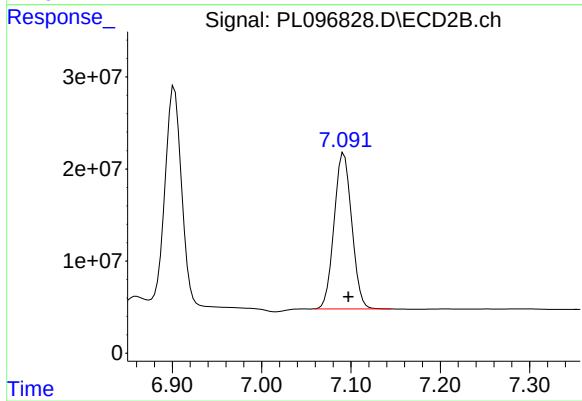
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 314706868
Conc: 56.50 ng/ml



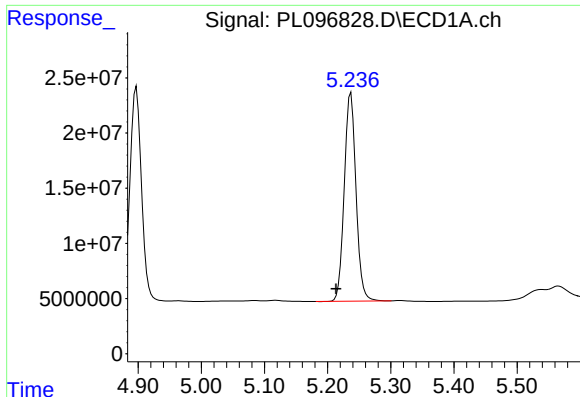
#22 Mirex

R.T.: 8.069 min
Delta R.T.: -0.007 min
Response: 127139267
Conc: 51.28 ng/ml



#22 Mirex

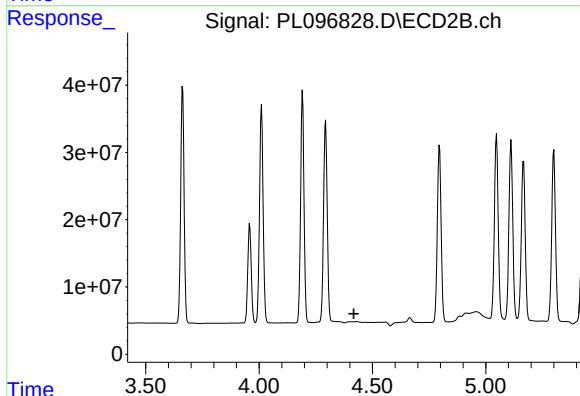
R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 232248246
Conc: 53.26 ng/ml



#24 Chlordane-2

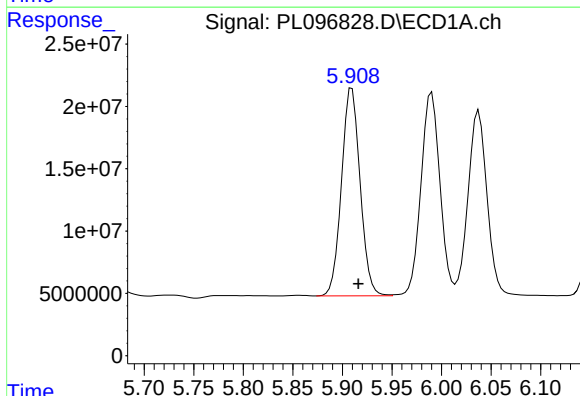
R.T.: 5.237 min
Delta R.T.: 0.023 min
Response: 244022336
Conc: 1394.36 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



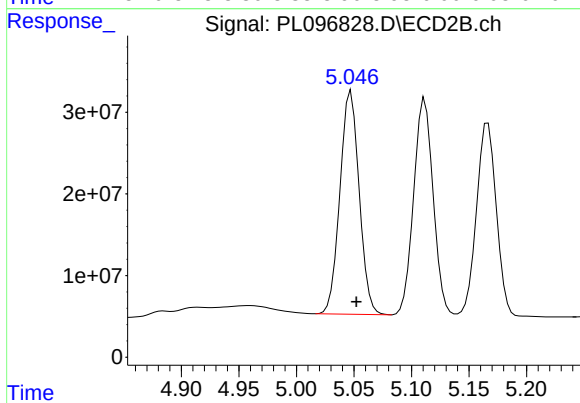
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.418 min
Response: 0
Conc: N.D.



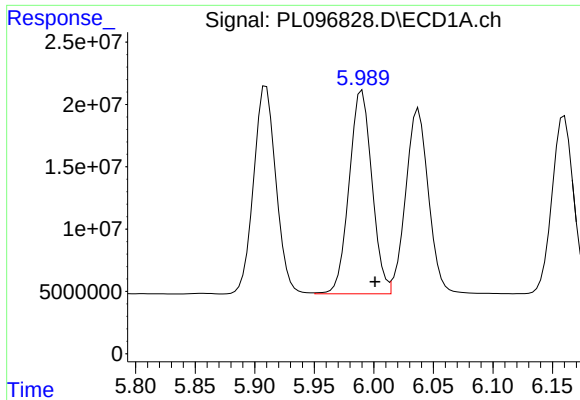
#25 Chlordane-3

R.T.: 5.910 min
Delta R.T.: -0.007 min
Response: 217933444
Conc: 326.28 ng/ml



#25 Chlordane-3

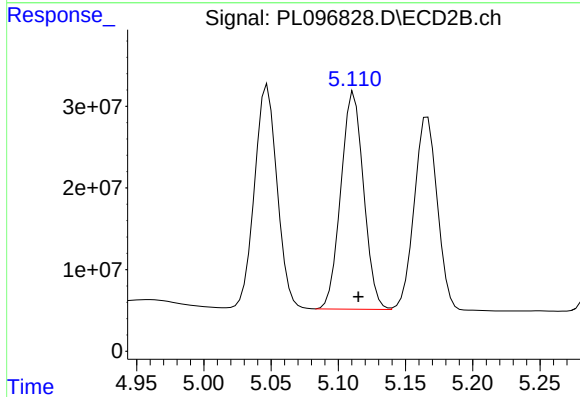
R.T.: 5.047 min
Delta R.T.: -0.005 min
Response: 319111731
Conc: 458.95 ng/ml



#26 Chlordane-4

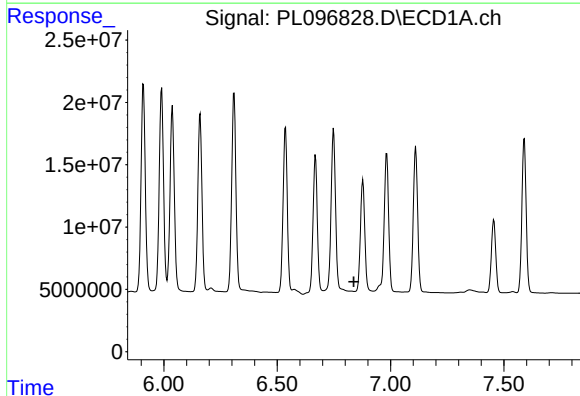
R.T.: 5.990 min
Delta R.T.: -0.011 min
Response: 217573409
Conc: 262.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



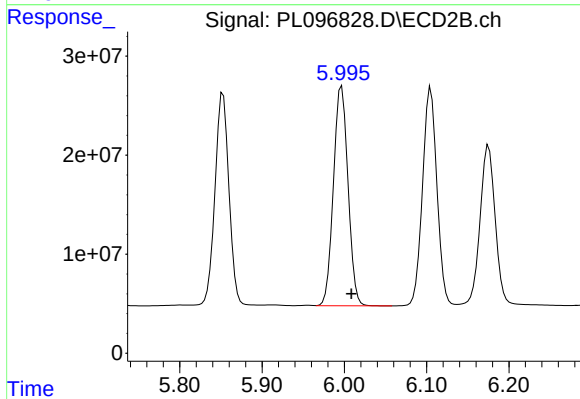
#26 Chlordane-4

R.T.: 5.112 min
Delta R.T.: -0.003 min
Response: 312970390
Conc: 502.90 ng/ml



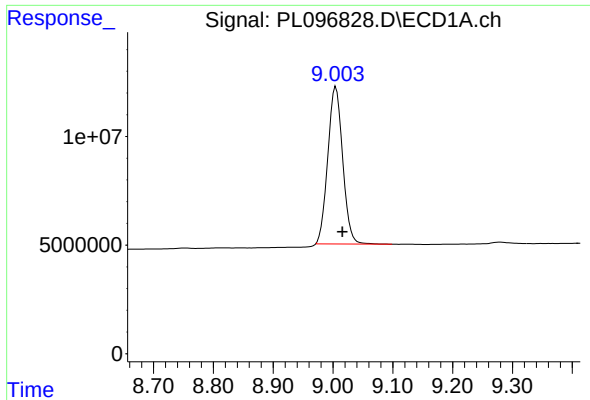
#27 Chlordane-5

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: 272979738
Conc: 1070.04 ng/ml



#28 Decachlorobiphenyl

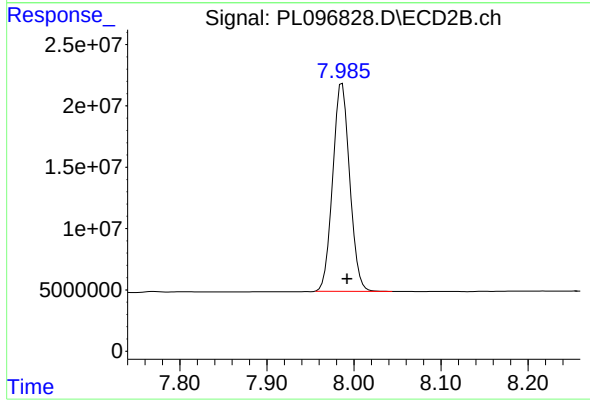
R.T.: 9.005 min

Delta R.T.: -0.011 min

Response: 124860925

Conc: 52.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.986 min

Delta R.T.: -0.006 min

Response: 229997908

Conc: 53.02 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
 Data File : PL096831.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 18:59
 Operator : AR\AJ
 Sample : Q2814-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TW-84SB-E

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 05:56:04 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	87327776	98184634	27.455	20.550 #
28)	SA Decachlor...	9.004	7.987	39557418	74905790	16.588	17.266
Target Compounds							
9)	A Endosulfan I	0.000	5.177	0	10592134	N.D.	1.915 #
18)	B Endrin al...	0.000	6.169	0	15330795	N.D.	4.217 #

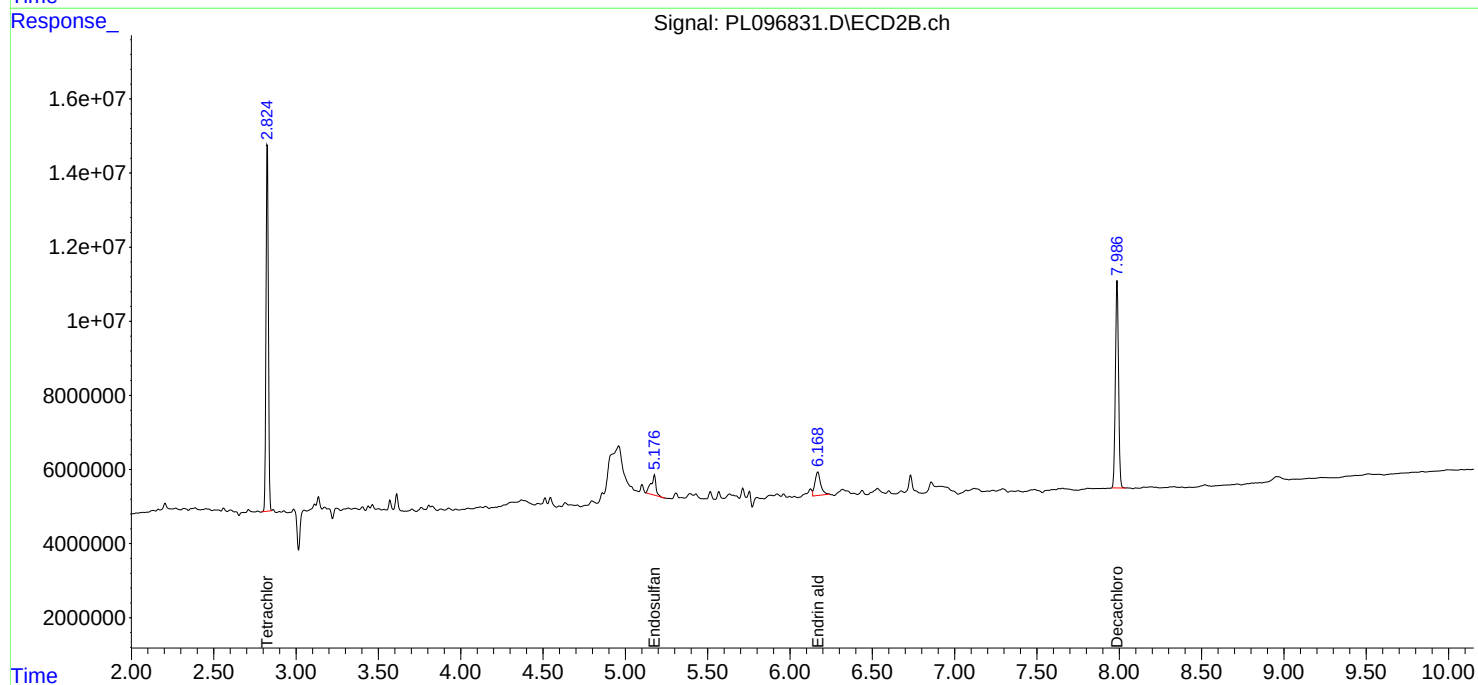
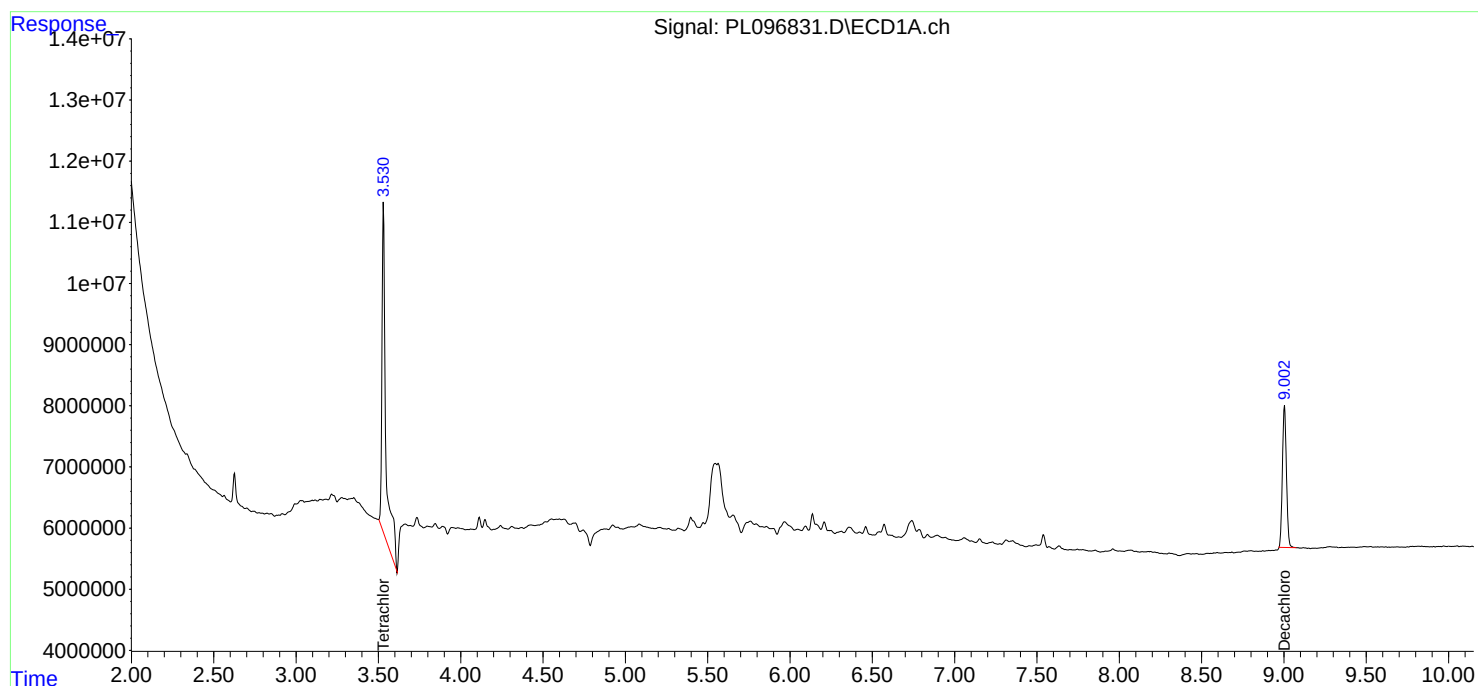
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

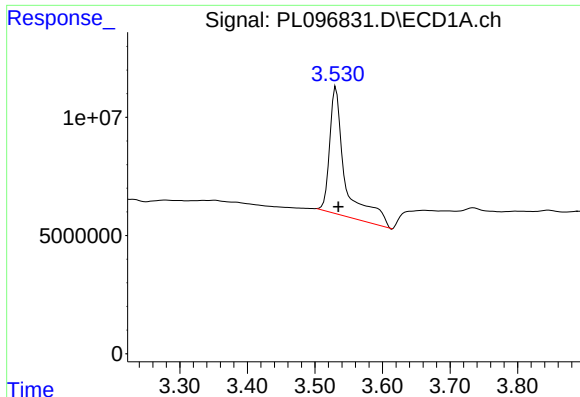
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096831.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 18:59
Operator : AR\AJ
Sample : Q2814-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TW-84SB-E

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:56:04 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

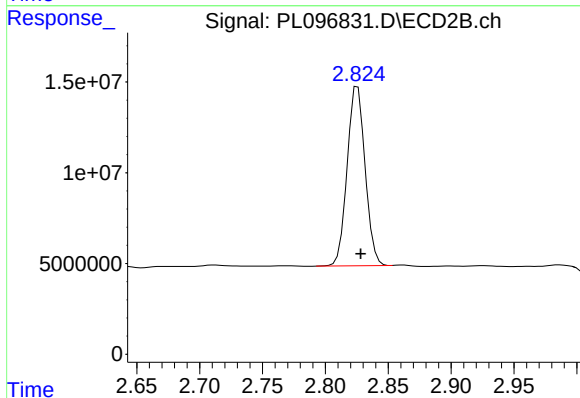




#1 Tetrachloro-m-xylene

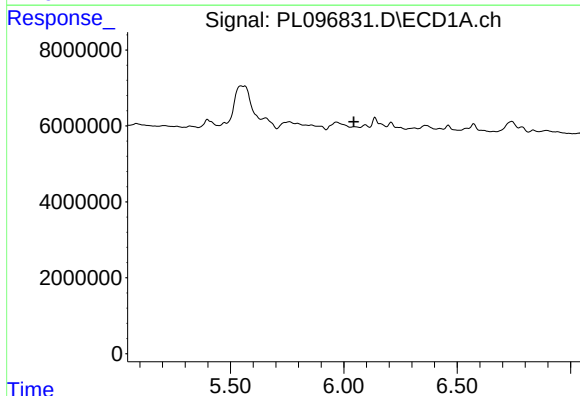
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 87327776
Conc: 27.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
TW-84SB-E



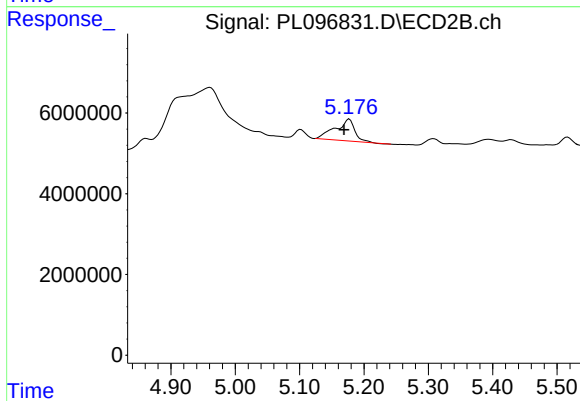
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 98184634
Conc: 20.55 ng/ml



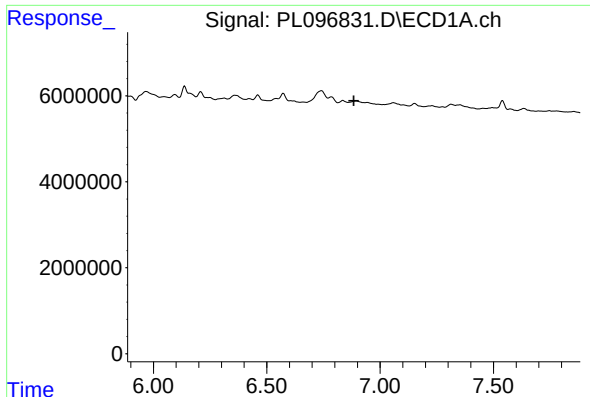
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T. : 6.044 min
Response: 0
Conc: N.D.



#9 Endosulfan I

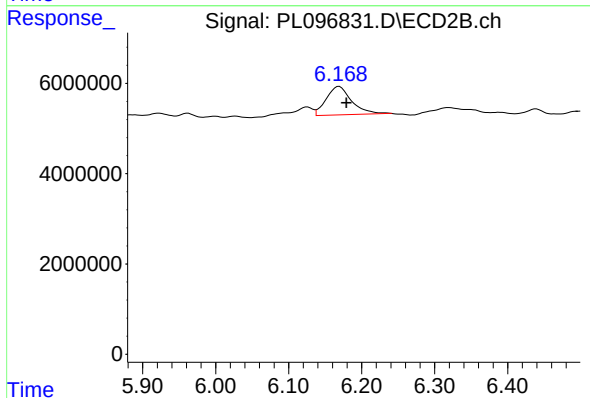
R.T.: 5.177 min
Delta R.T.: 0.008 min
Response: 10592134
Conc: 1.91 ng/ml



#18 Endrin aldehyde

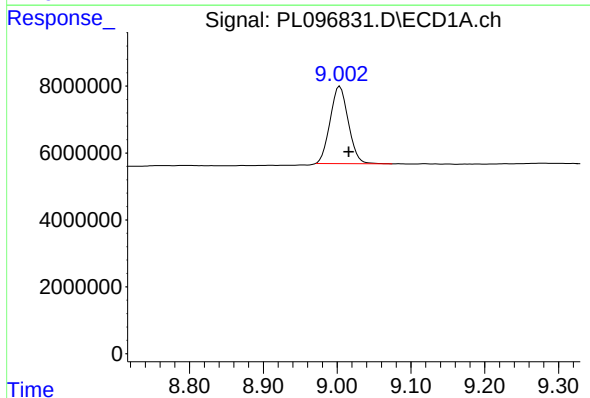
R.T.: 0.000 min
Exp R.T.: 6.884 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TW-84SB-E



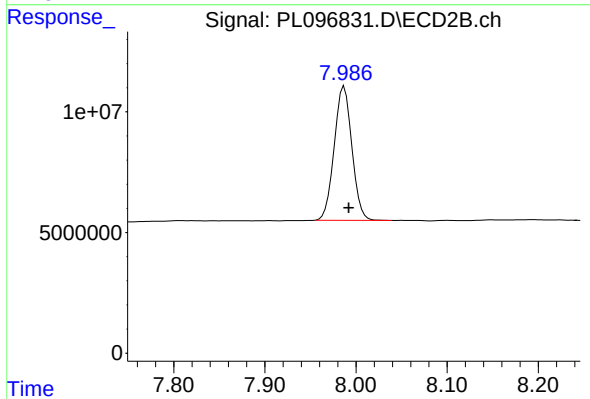
#18 Endrin aldehyde

R.T.: 6.169 min
Delta R.T.: -0.010 min
Response: 15330795
Conc: 4.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.012 min
Response: 39557418
Conc: 16.59 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 74905790
Conc: 17.27 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
 Data File : PL096832.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 19:13
 Operator : AR\AJ
 Sample : Q2814-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TW-17M-W

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 05:56:09 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	81785770	86984432	25.712	18.206 #
28)	SA Decachlor...	9.003	7.986	30887577	60991593	12.953	14.059
Target Compounds							
4)	MA Heptachlor	4.924f	0.000	27936216	0	6.722	N.D. #
5)	MB Aldrin	0.000	4.318f	0	5034129	N.D.	0.811 #
8)	B Heptachlo...	5.638f	4.795	176.7E6	31282293	45.814	5.477 #
9)	A Endosulfan I	0.000	5.151f	0	63375547	N.D.	11.457 #
10)	B gamma-Chl...	5.910	5.047	272.4E6	306.6E6	71.574	52.136 #
11)	B alpha-Chl...	5.990	5.111	355.1E6	454.8E6	92.130	77.093
12)	B 4,4'-DDE	6.146f	5.299	19093121	-401758	5.946	N.D. #
14)	MA Endrin	0.000	5.710	0	30758042	N.D.	5.690 #
15)	B Endosulfa...	6.760	6.004	10123687	81653481	3.161	15.898 #
16)	A 4,4'-DDD	6.687	0.000	7744033	0	3.063	N.D. #
17)	MA 4,4'-DDT	0.000	6.103	0	14302383	N.D.	2.828 #
18)	B Endrin al...	0.000	6.168	0	10804252	N.D.	2.972 #
23)	Chlordane-1	4.683	3.835	82893281	138.7E6	487.281	661.465 #
24)	Chlordane-2	5.204	4.418	161.5E6	216.7E6	922.587	893.243
25)	Chlordane-3	5.910	5.047	272.4E6	306.6E6	407.759	440.907
26)	Chlordane-4	5.990	5.111	355.1E6	454.8E6	429.056	730.741 #
27)	Chlordane-5	6.831	6.004	47985172	81653481	363.127	320.069

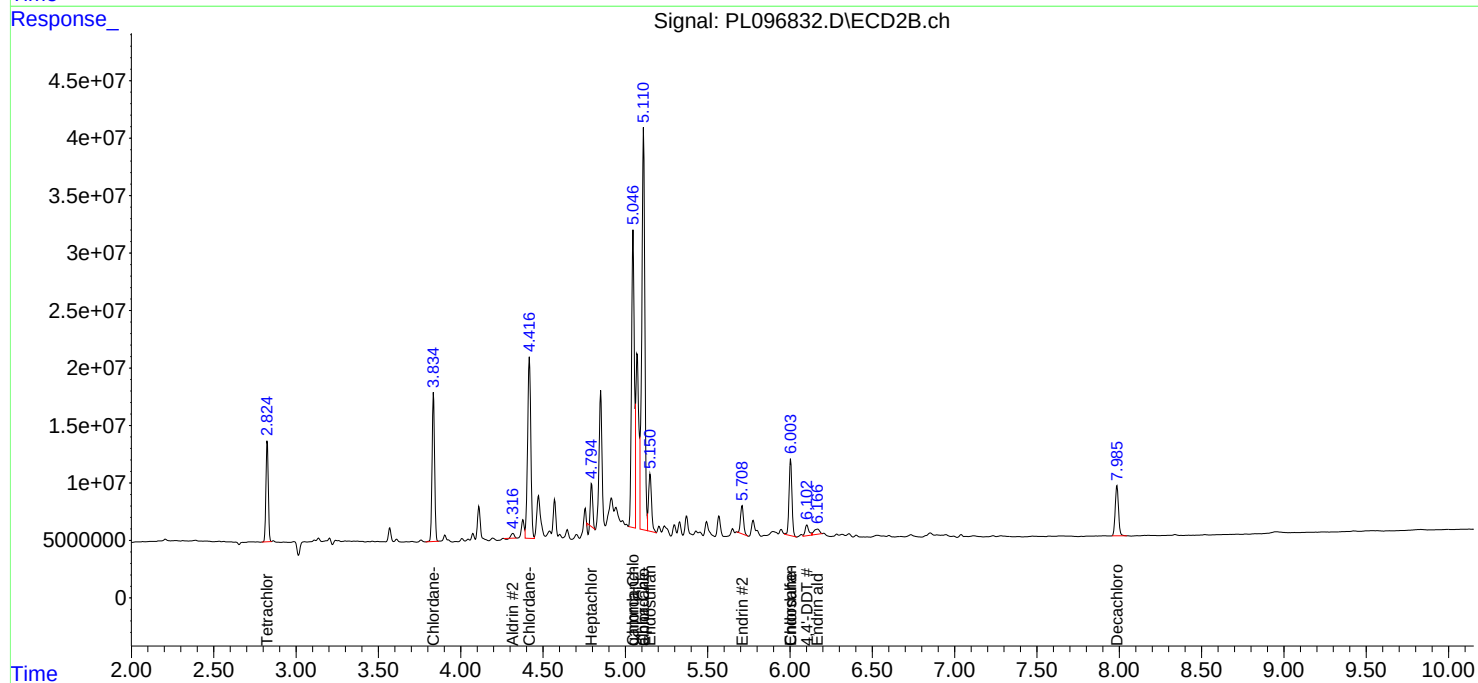
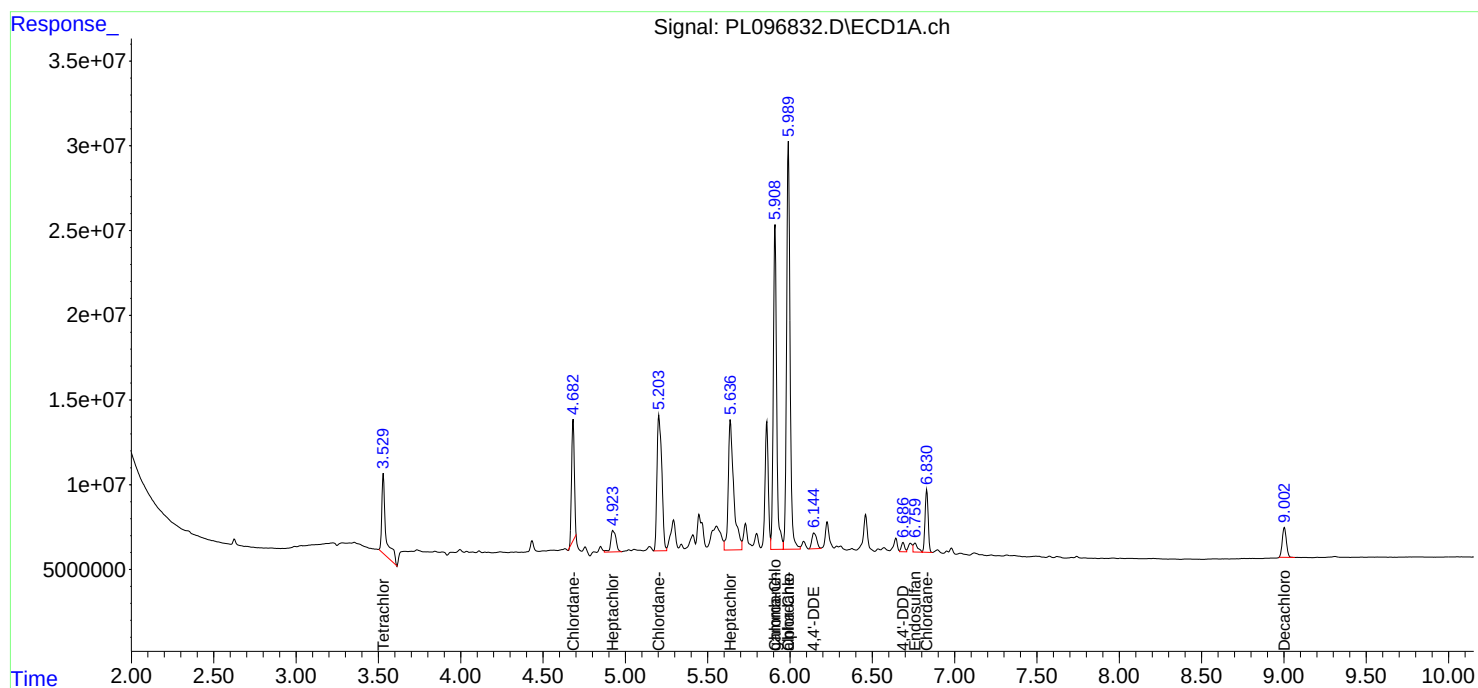
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

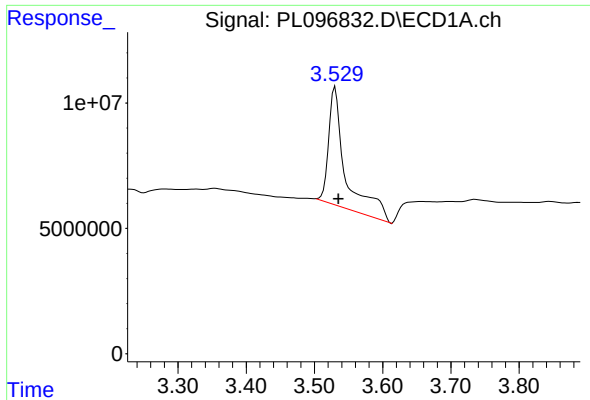
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096832.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 19:13
Operator : AR\AJ
Sample : Q2814-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TW-17M-W

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:56:09 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

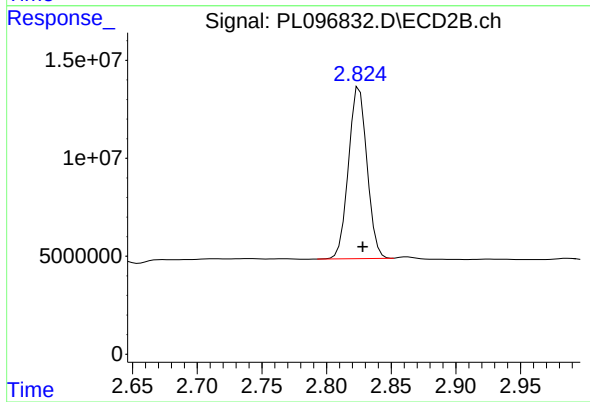




#1 Tetrachloro-m-xylene

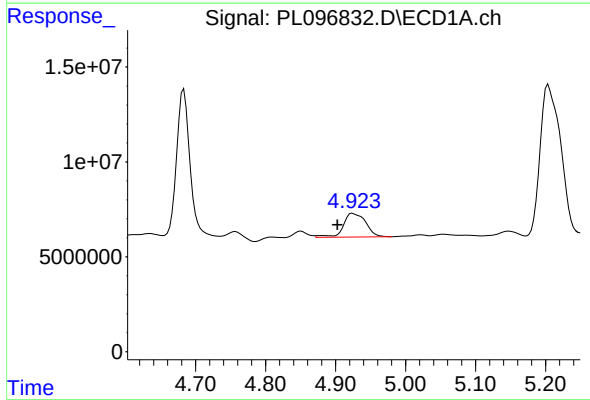
R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 81785770
Conc: 25.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
TW-17M-W



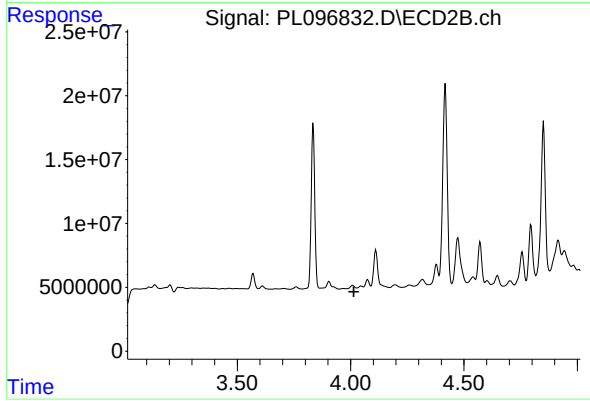
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 86984432
Conc: 18.21 ng/ml



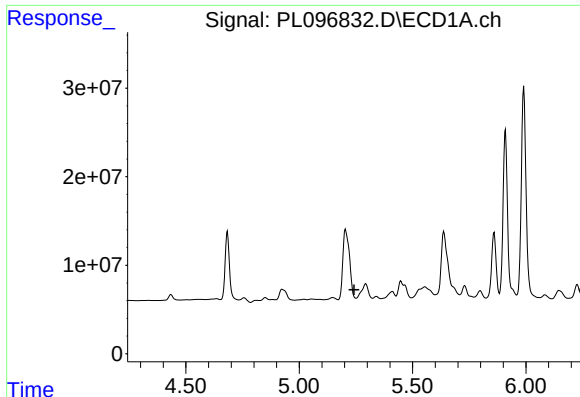
#4 Heptachlor

R.T.: 4.924 min
Delta R.T.: 0.022 min
Response: 27936216
Conc: 6.72 ng/ml



#4 Heptachlor

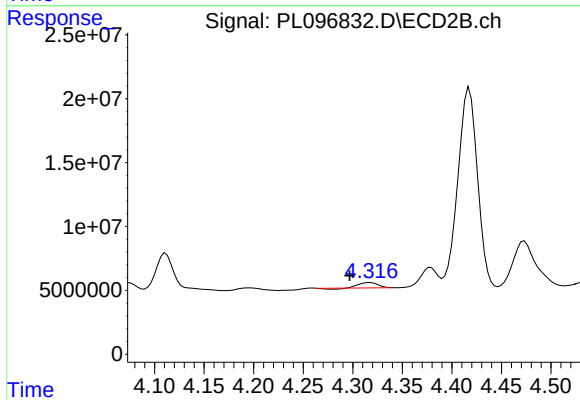
R.T.: 0.000 min
Exp R.T.: 4.014 min
Response: 0
Conc: N.D.



#5 Aldrin

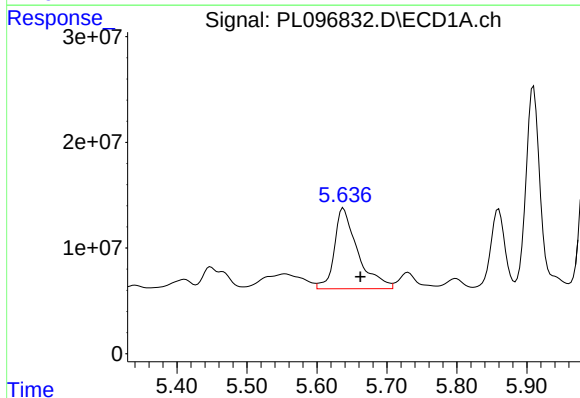
R.T.: 0.000 min
Exp R.T.: 5.243 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TW-17M-W



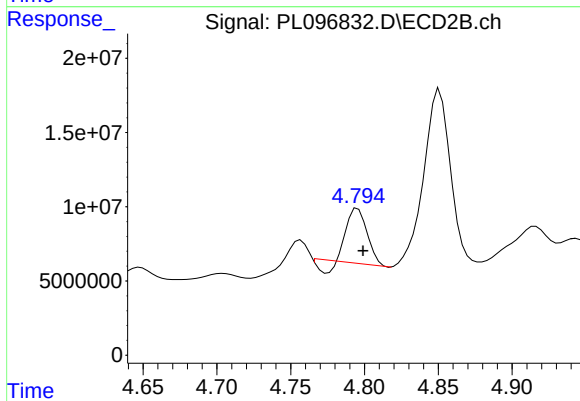
#5 Aldrin

R.T.: 4.318 min
Delta R.T.: 0.021 min
Response: 5034129
Conc: 0.81 ng/ml



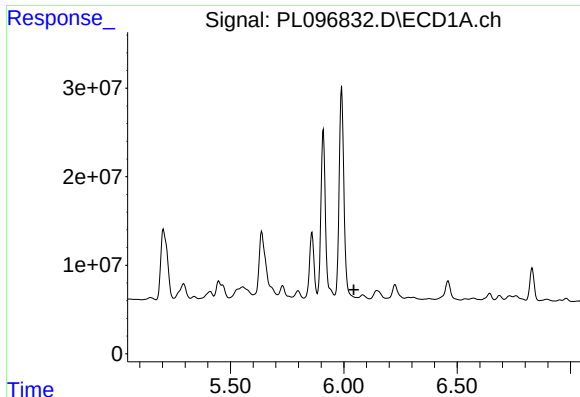
#8 Heptachlor epoxide

R.T.: 5.638 min
Delta R.T.: -0.024 min
Response: 176681656
Conc: 45.81 ng/ml



#8 Heptachlor epoxide

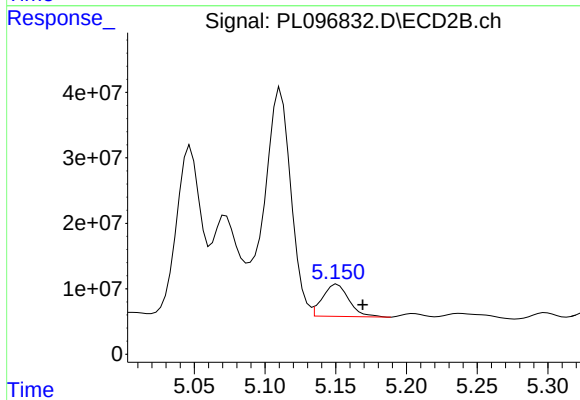
R.T.: 4.795 min
Delta R.T.: -0.004 min
Response: 31282293
Conc: 5.48 ng/ml



#9 Endosulfan I

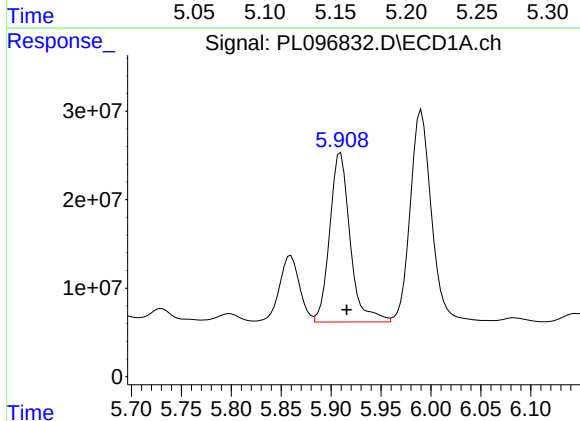
R.T.: 0.000 min
Exp R.T.: 6.044 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TW-17M-W



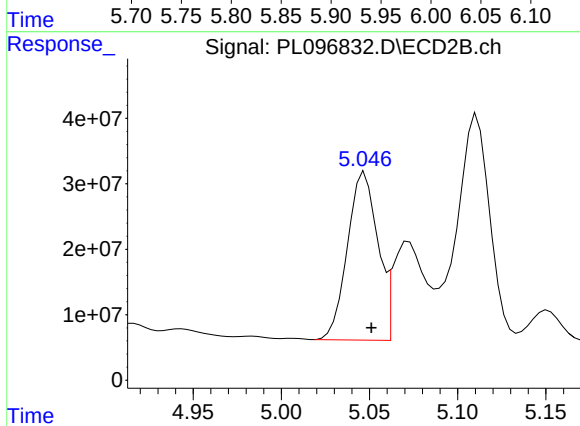
#9 Endosulfan I

R.T.: 5.151 min
Delta R.T.: -0.018 min
Response: 63375547
Conc: 11.46 ng/ml



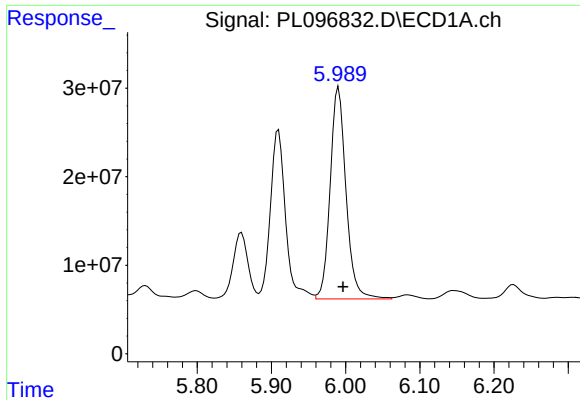
#10 gamma-Chlordane

R.T.: 5.910 min
Delta R.T.: -0.006 min
Response: 272357572
Conc: 71.57 ng/ml



#10 gamma-Chlordane

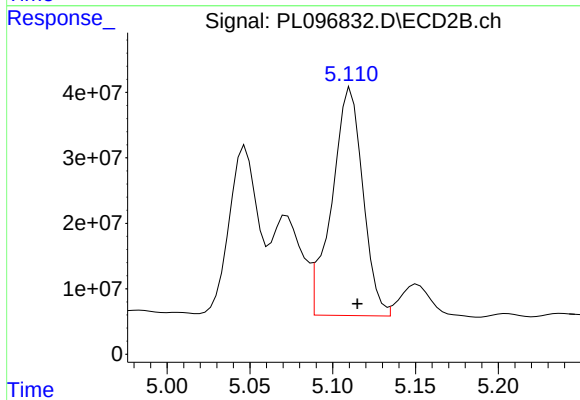
R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 306563690
Conc: 52.14 ng/ml



#11 alpha-Chlordane

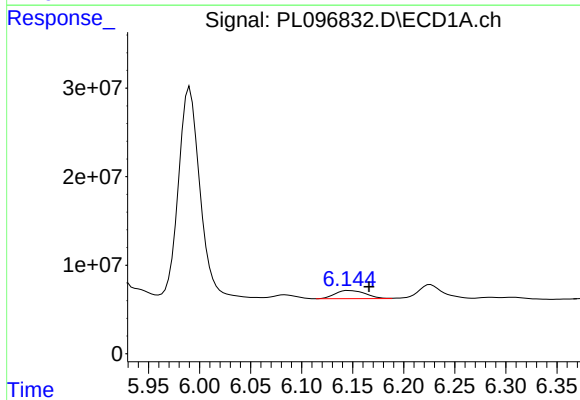
R.T.: 5.990 min
Delta R.T.: -0.006 min
Response: 355129232
Conc: 92.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
TW-17M-W



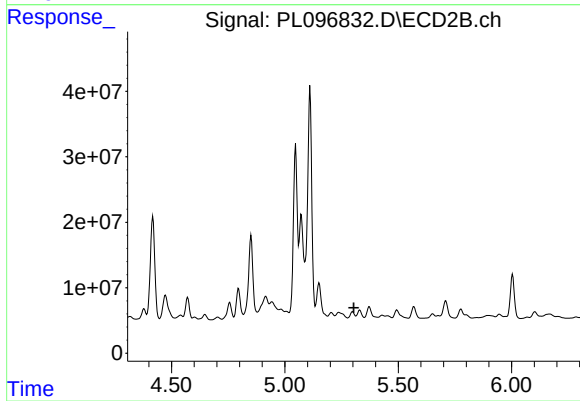
#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 454763799
Conc: 77.09 ng/ml



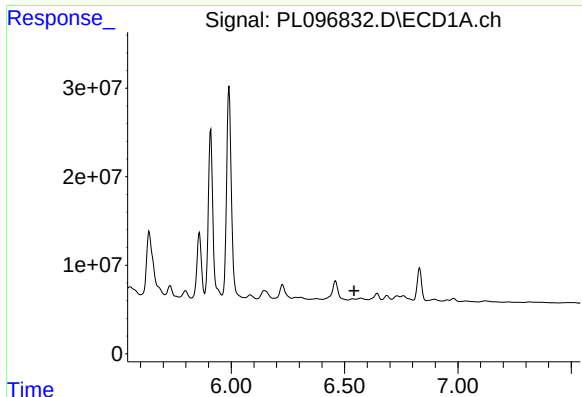
#12 4,4'-DDE

R.T.: 6.146 min
Delta R.T.: -0.020 min
Response: 19093121
Conc: 5.95 ng/ml



#12 4,4'-DDE

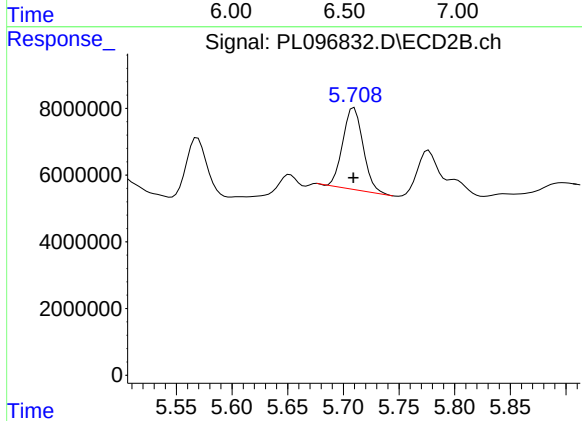
R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: -401758
Conc: N.D.



#14 Endrin

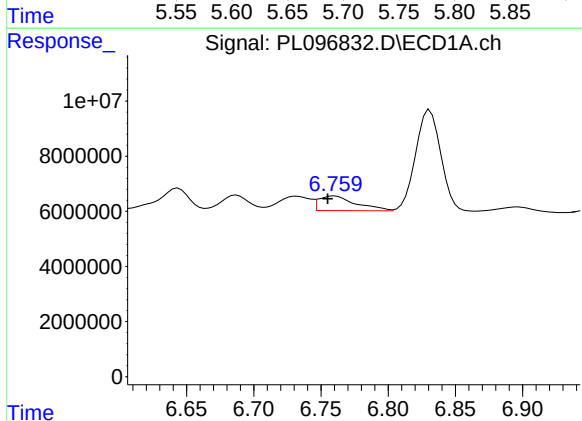
R.T.: 0.000 min
Exp R.T.: 6.542 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TW-17M-W



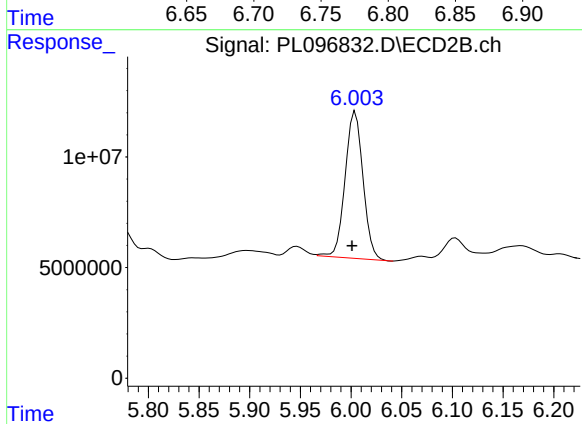
#14 Endrin

R.T.: 5.710 min
Delta R.T.: 0.000 min
Response: 30758042
Conc: 5.69 ng/ml



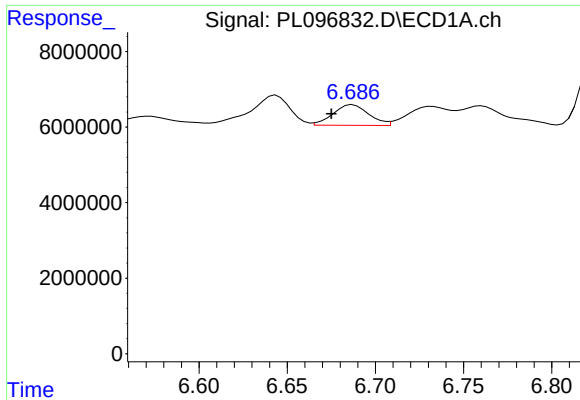
#15 Endosulfan II

R.T.: 6.760 min
Delta R.T.: 0.005 min
Response: 10123687
Conc: 3.16 ng/ml



#15 Endosulfan II

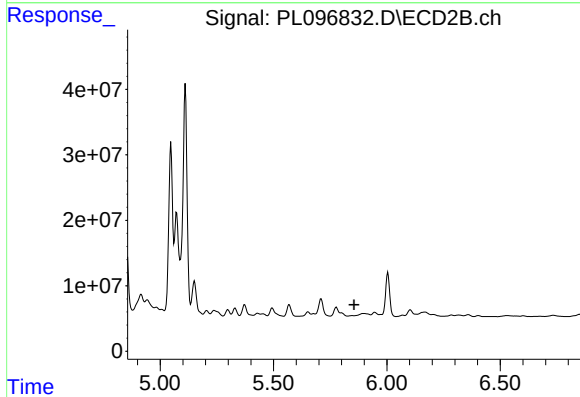
R.T.: 6.004 min
Delta R.T.: 0.003 min
Response: 81653481
Conc: 15.90 ng/ml



#16 4,4'-DDD

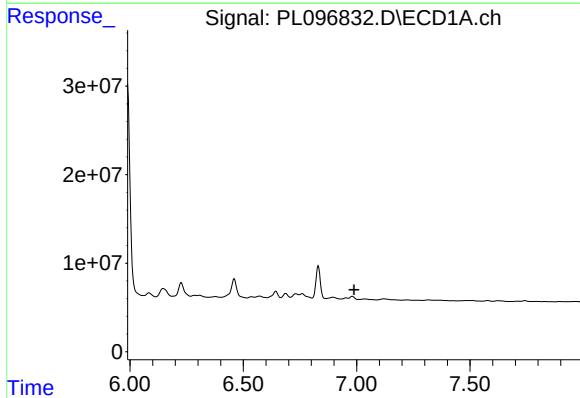
R.T.: 6.687 min
Delta R.T.: 0.012 min
Response: 7744033
Conc: 3.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
TW-17M-W



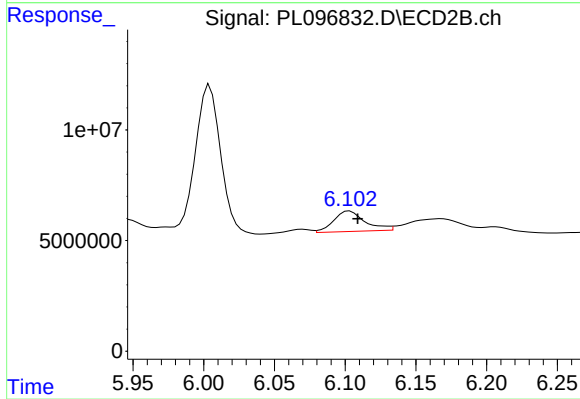
#16 4,4'-DDD

R.T.: 0.000 min
Exp R.T. : 5.856 min
Response: 0
Conc: N.D.



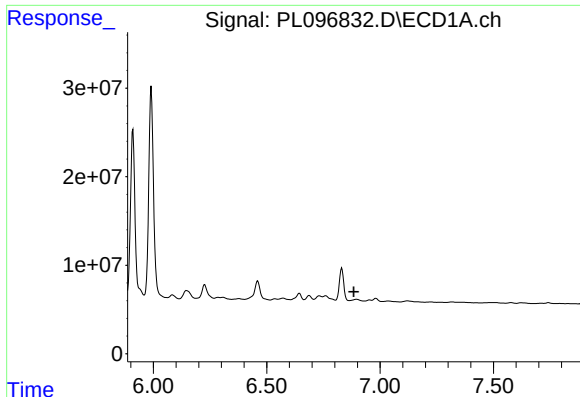
#17 4,4'-DDT

R.T.: 0.000 min
Exp R.T. : 6.989 min
Response: 0
Conc: N.D.



#17 4,4'-DDT

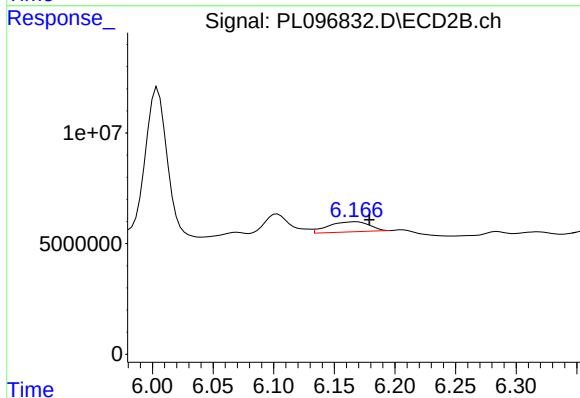
R.T.: 6.103 min
Delta R.T.: -0.006 min
Response: 14302383
Conc: 2.83 ng/ml



#18 Endrin aldehyde

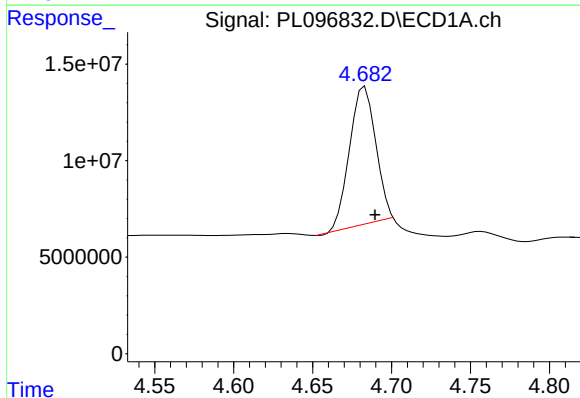
R.T.: 0.000 min
Exp R.T.: 6.884 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TW-17M-W



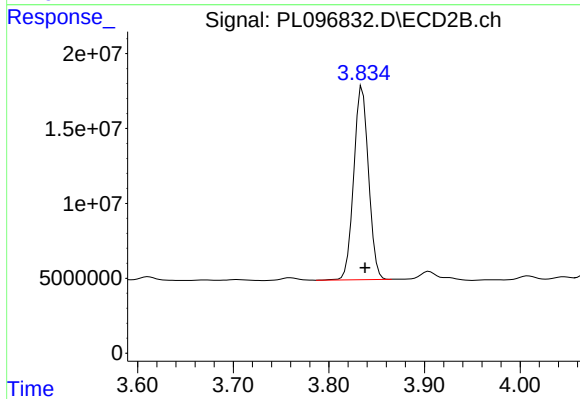
#18 Endrin aldehyde

R.T.: 6.168 min
Delta R.T.: -0.011 min
Response: 10804252
Conc: 2.97 ng/ml



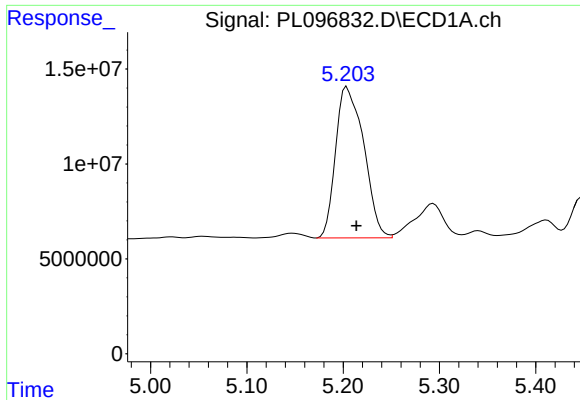
#23 Chlordane-1

R.T.: 4.683 min
Delta R.T.: -0.006 min
Response: 82893281
Conc: 487.28 ng/ml



#23 Chlordane-1

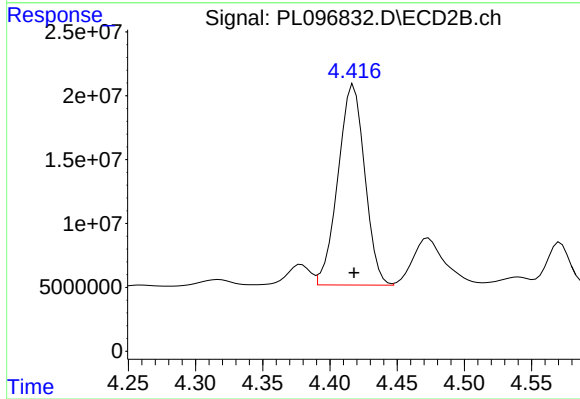
R.T.: 3.835 min
Delta R.T.: -0.003 min
Response: 138667726
Conc: 661.46 ng/ml



#24 Chlordane-2

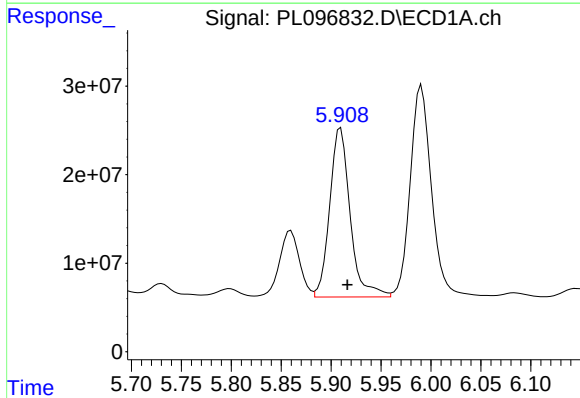
R.T.: 5.204 min
Delta R.T.: -0.010 min
Response: 161459038
Conc: 922.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
TW-17M-W



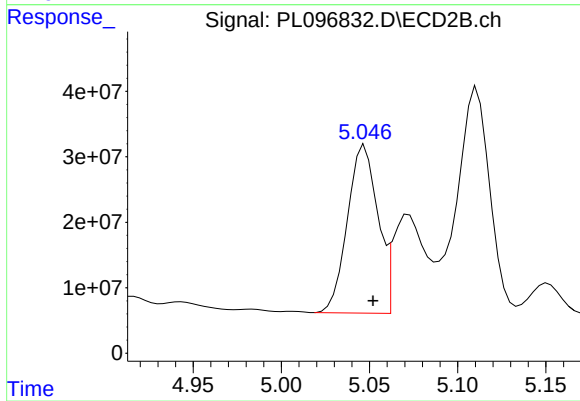
#24 Chlordane-2

R.T.: 4.418 min
Delta R.T.: 0.000 min
Response: 216692591
Conc: 893.24 ng/ml



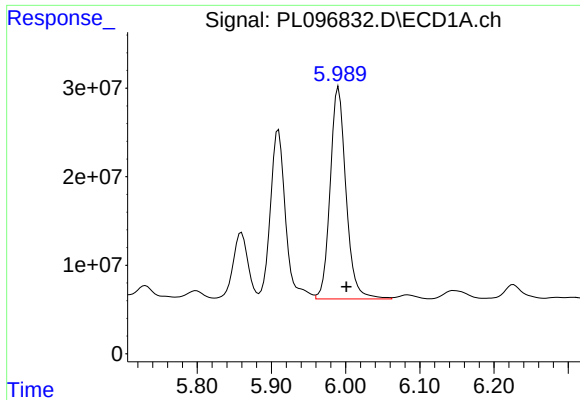
#25 Chlordane-3

R.T.: 5.910 min
Delta R.T.: -0.007 min
Response: 272357572
Conc: 407.76 ng/ml



#25 Chlordane-3

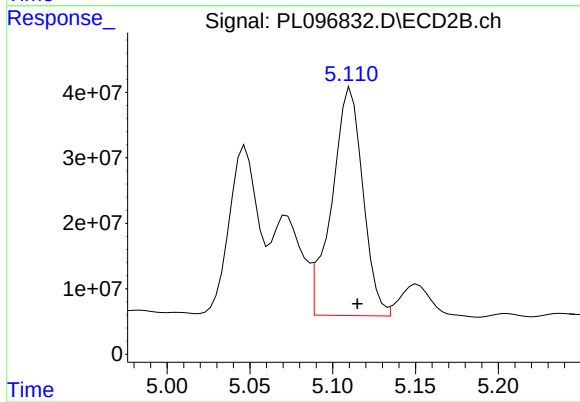
R.T.: 5.047 min
Delta R.T.: -0.005 min
Response: 306563690
Conc: 440.91 ng/ml



#26 Chlordane-4

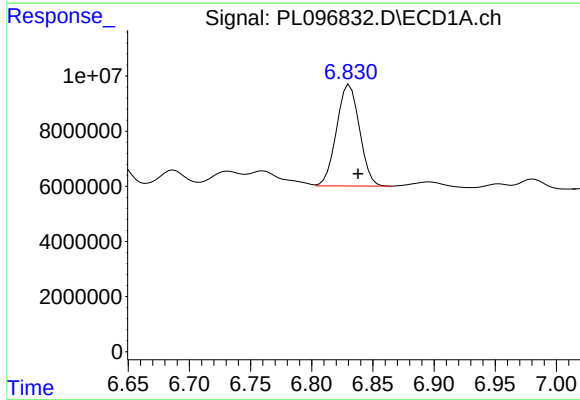
R.T.: 5.990 min
Delta R.T.: -0.011 min
Response: 355129232
Conc: 429.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
TW-17M-W



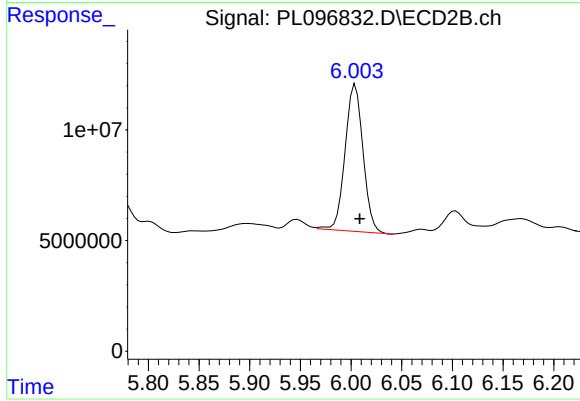
#26 Chlordane-4

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 454763799
Conc: 730.74 ng/ml



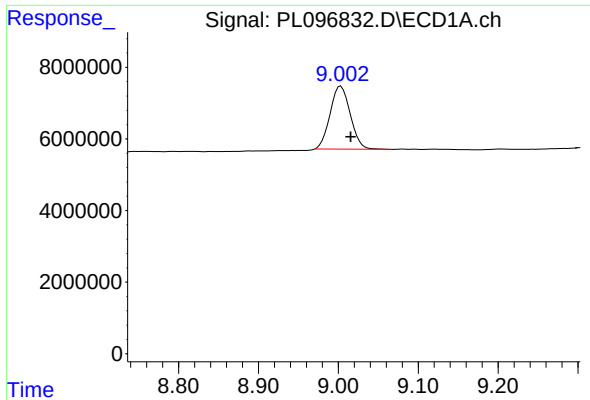
#27 Chlordane-5

R.T.: 6.831 min
Delta R.T.: -0.007 min
Response: 47985172
Conc: 363.13 ng/ml



#27 Chlordane-5

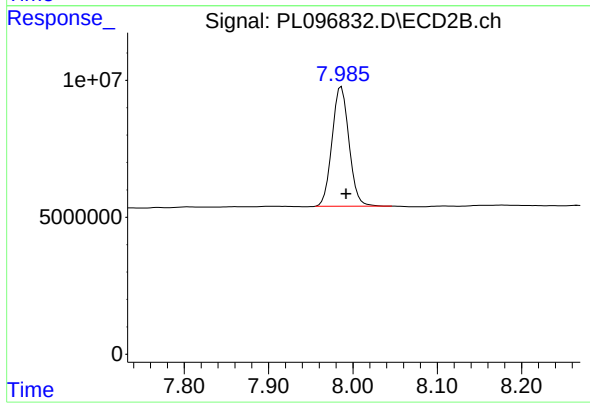
R.T.: 6.004 min
Delta R.T.: -0.004 min
Response: 81653481
Conc: 320.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.003 min
Delta R.T.: -0.013 min
Response: 30887577
Conc: 12.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
TW-17M-W



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 60991593
Conc: 14.06 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
 Data File : PL096833.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 19:26
 Operator : AR\AJ
 Sample : Q2814-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 FB

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 05:56:17 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	58059403	88648785	18.253	18.554
28)	SA Decachlor...	9.004	7.986	29671860	58958710	12.443	13.590
Target Compounds							
4)	MA Heptachlor	4.923f	0.000	18042731	0	4.342	N.D. #
15)	B Endosulfa...	6.737f	0.000	5812837	0	1.815	N.D. #
18)	B Endrin al...	0.000	6.170	0 19042573		N.D.	5.239 #

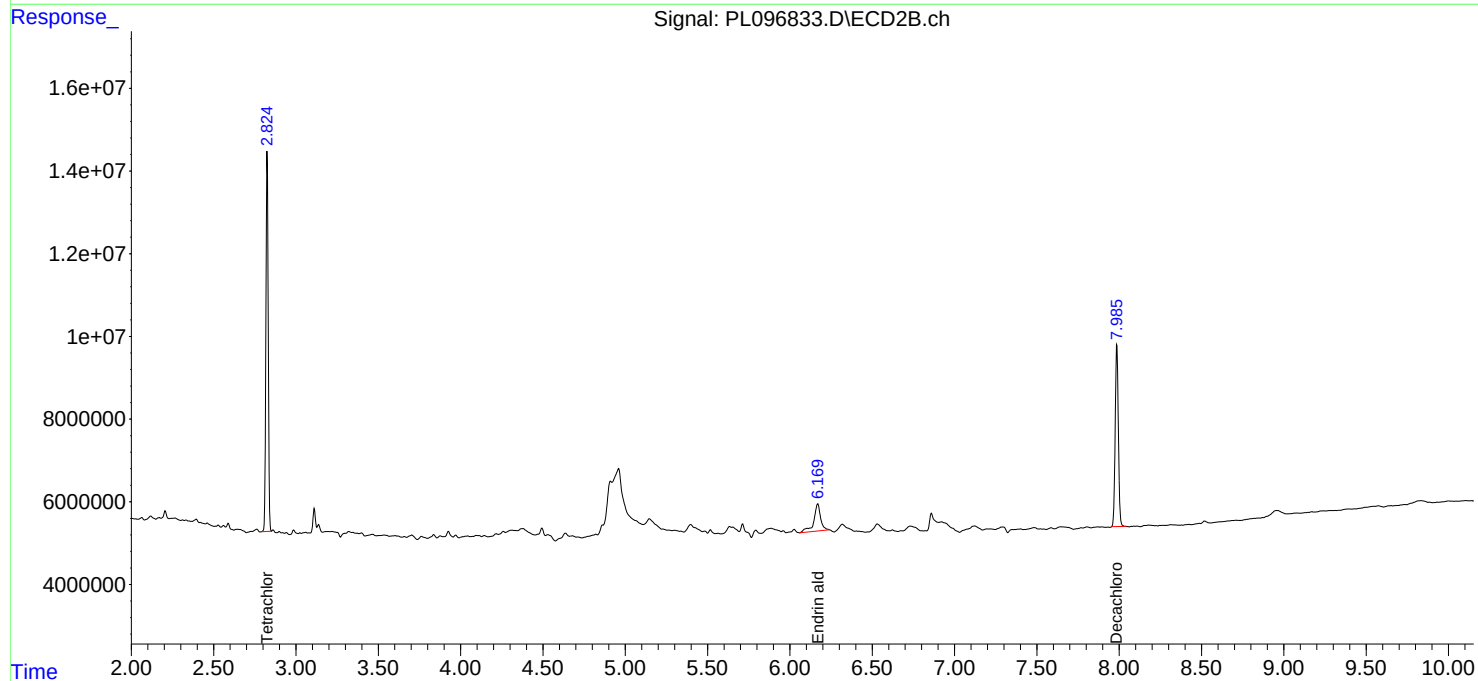
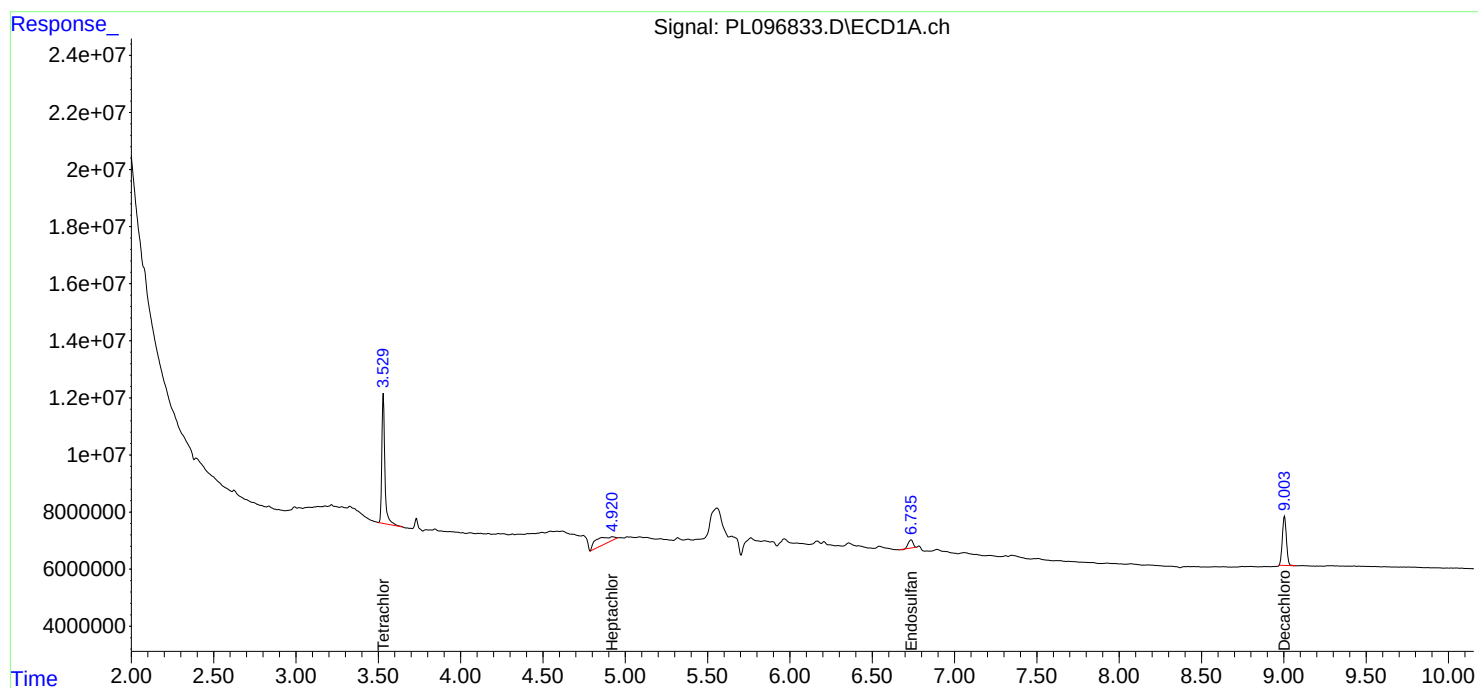
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

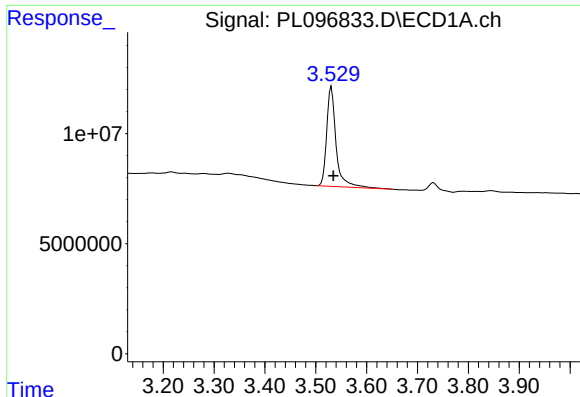
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096833.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 19:26
Operator : AR\AJ
Sample : Q2814-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
FB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:56:17 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

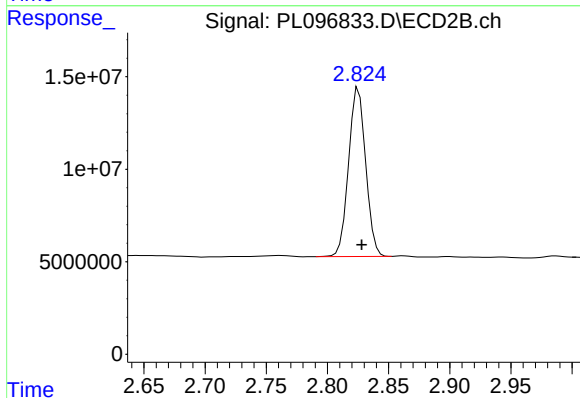




#1 Tetrachloro-m-xylene

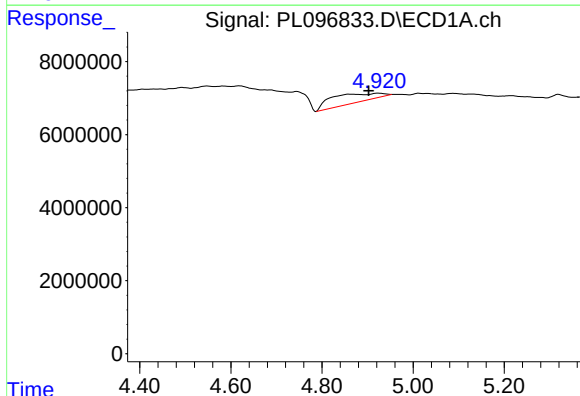
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 58059403
Conc: 18.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
FB



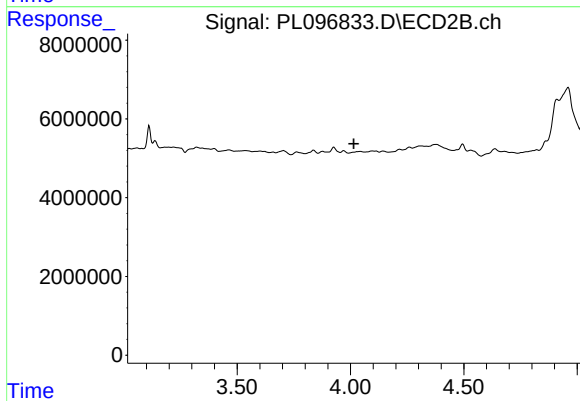
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 88648785
Conc: 18.55 ng/ml



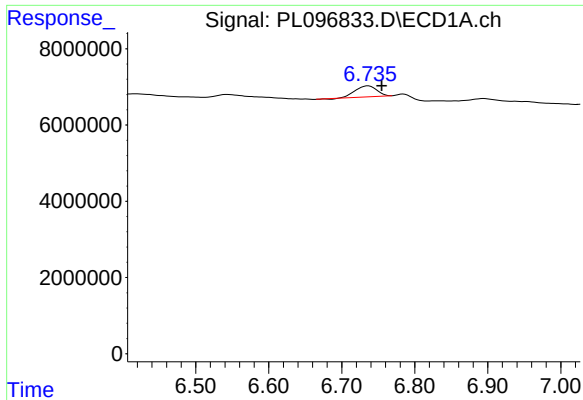
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: 0.020 min
Response: 18042731
Conc: 4.34 ng/ml



#4 Heptachlor

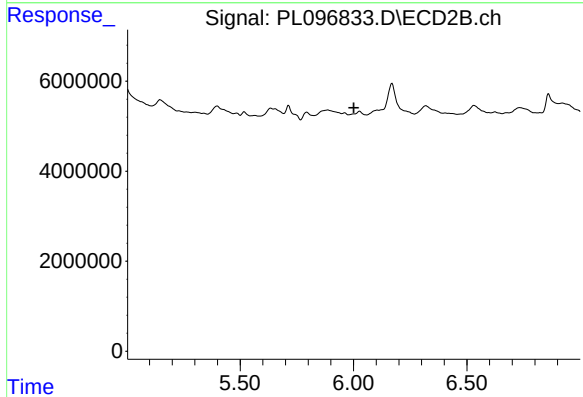
R.T.: 0.000 min
Exp R.T.: 4.014 min
Response: 0
Conc: N.D.



#15 Endosulfan II

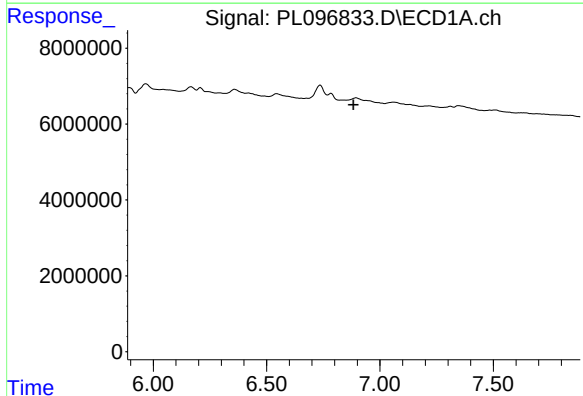
R.T.: 6.737 min
Delta R.T.: -0.018 min
Response: 5812837
Conc: 1.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
FB



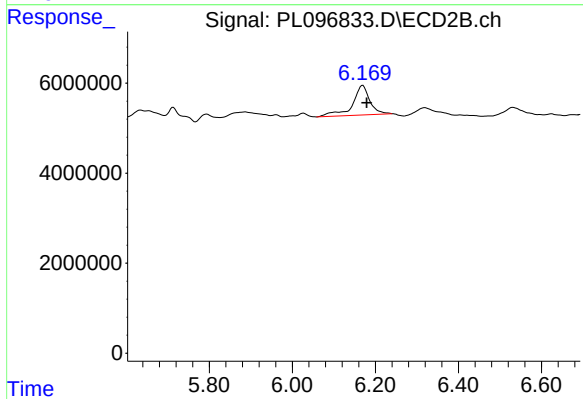
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.001 min
Response: 0
Conc: N.D.



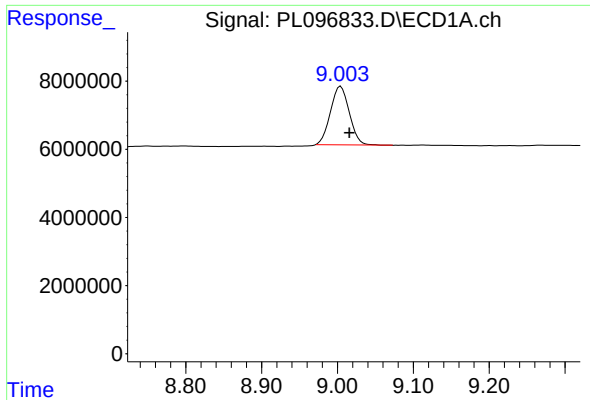
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.884 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

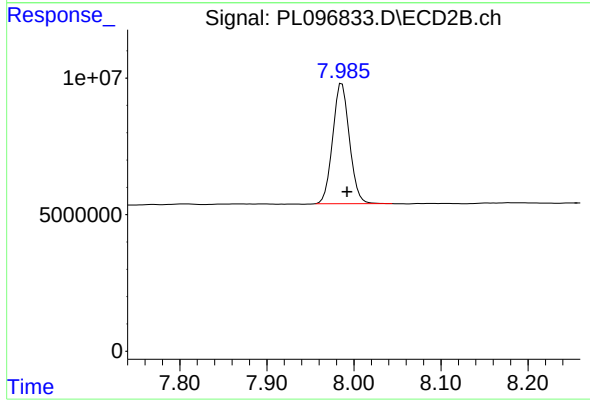
R.T.: 6.170 min
Delta R.T.: -0.009 min
Response: 19042573
Conc: 5.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.011 min
Response: 29671860
Conc: 12.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
FB



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 58958710
Conc: 13.59 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
 Data File : PL096834.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 19:40
 Operator : AR\AJ
 Sample : Q2814-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TW-518R-S

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 05:56:24 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	40635893	64714060	12.775	13.545
28)	SA Decachlor...	9.005	7.987	22497338	44189457	9.434	10.186
Target Compounds							
4)	MA Heptachlor	4.883f	0.000	55767260	0	13.419	N.D. #
10)	B gamma-Chl...	5.909	0.000	12699938	0	3.337	N.D. #
11)	B alpha-Chl...	5.992	0.000	15510886	0	4.024	N.D. #
12)	B 4,4'-DDE	6.159	5.300	8178729	3082394	2.547	0.559 #
15)	B Endosulfa...	6.741	0.000	5761850	0	1.799	N.D. #
16)	A 4,4'-DDD	0.000	5.852	0	5872211	N.D.	1.248 #
18)	B Endrin al...	0.000	6.169	0	15426682	N.D.	4.244 #
23)	Chlordane-1	0.000	3.851	0	2757260	N.D.	13.153 #
25)	Chlordane-3	5.909	0.000	12699938	0	19.014	N.D. #
26)	Chlordane-4	5.992	0.000	15510886	0	18.740	N.D. #

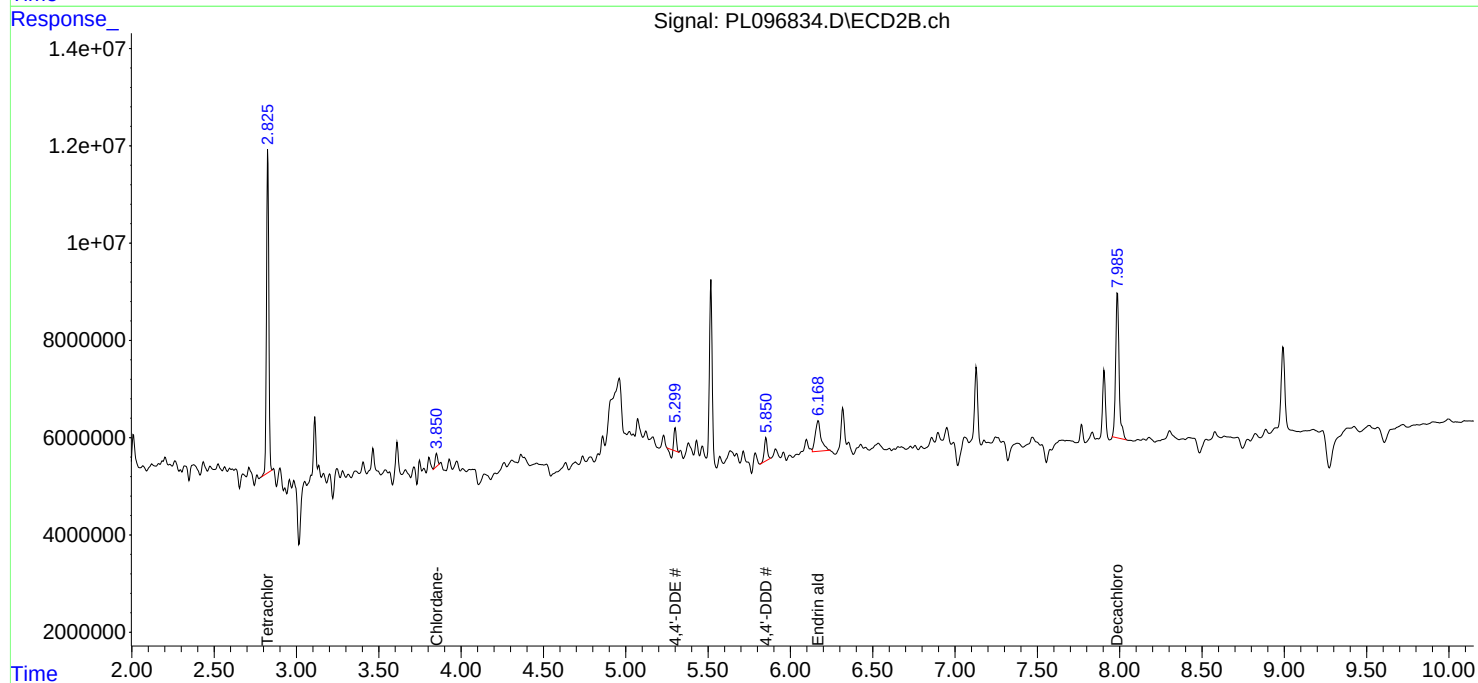
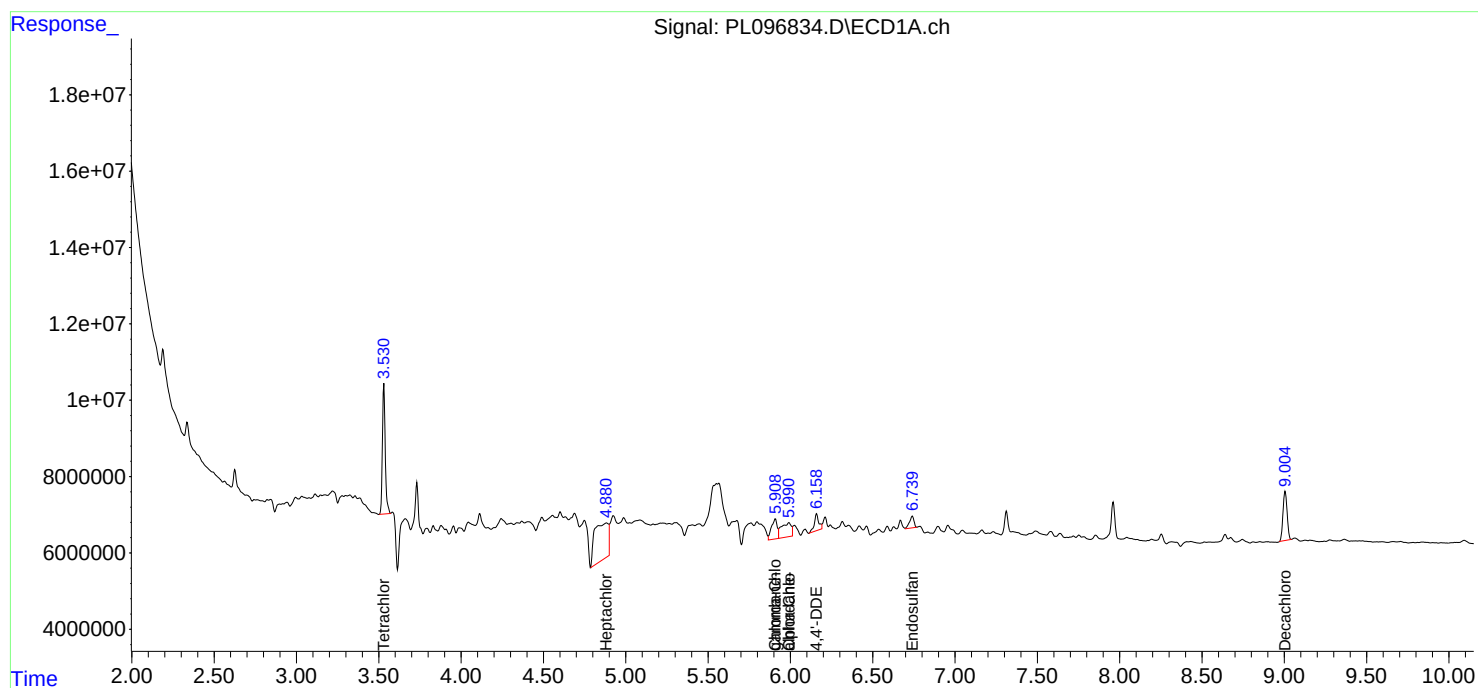
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

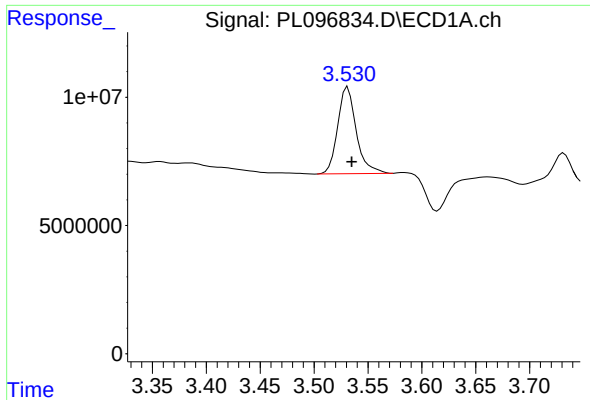
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096834.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 19:40
Operator : AR\AJ
Sample : Q2814-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TW-518R-S

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:56:24 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

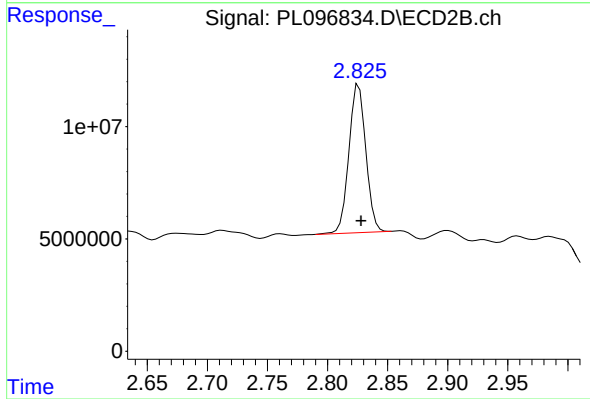




#1 Tetrachloro-m-xylene

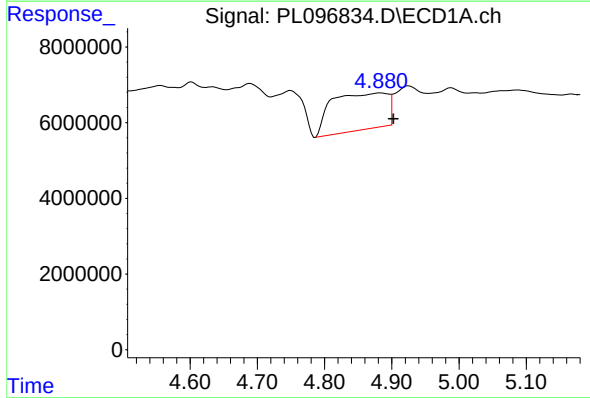
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 40635893
Conc: 12.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
TW-518R-S



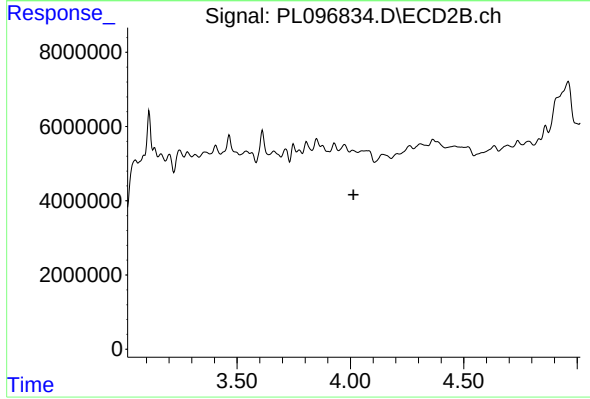
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 64714060
Conc: 13.54 ng/ml



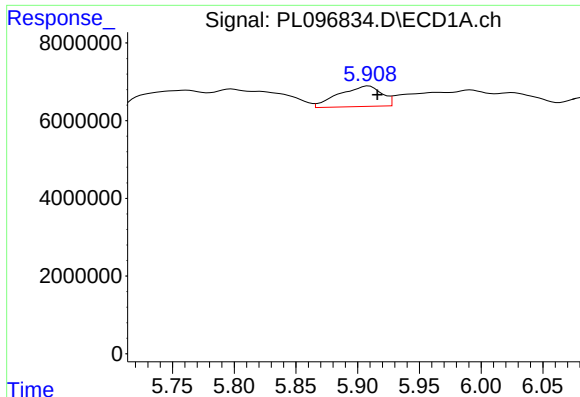
#4 Heptachlor

R.T.: 4.883 min
Delta R.T.: -0.020 min
Response: 55767260
Conc: 13.42 ng/ml



#4 Heptachlor

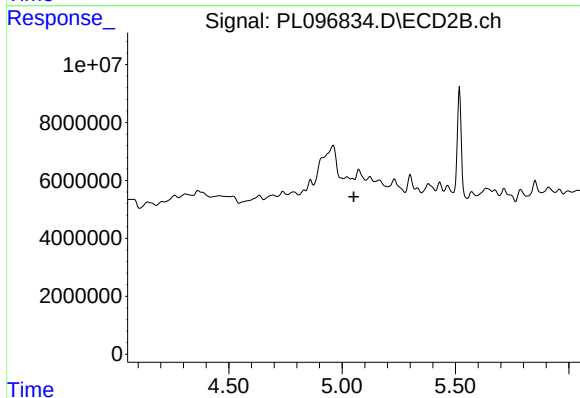
R.T.: 0.000 min
Exp R.T.: 4.014 min
Response: 0
Conc: N.D.



#10 gamma-Chlordane

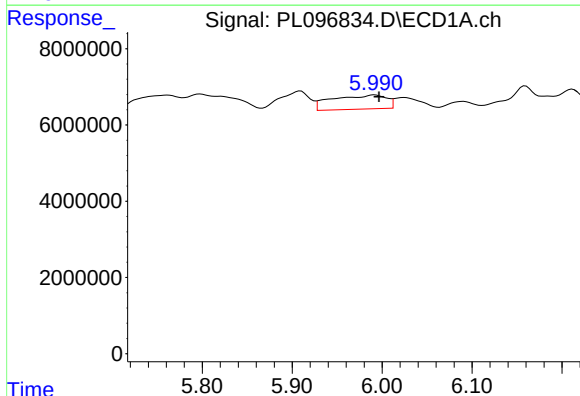
R.T.: 5.909 min
Delta R.T.: -0.007 min
Response: 12699938
Conc: 3.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
TW-518R-S



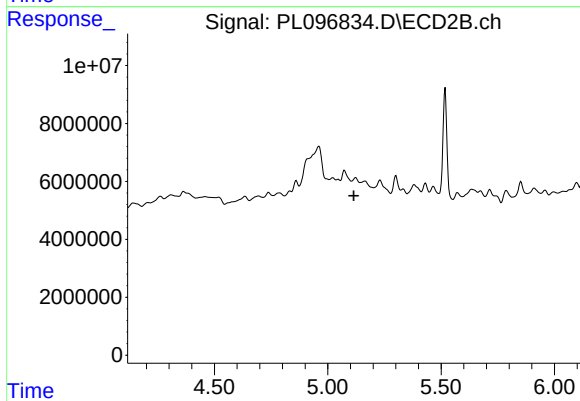
#10 gamma-Chlordane

R.T.: 0.000 min
Exp R.T. : 5.051 min
Response: 0
Conc: N.D.



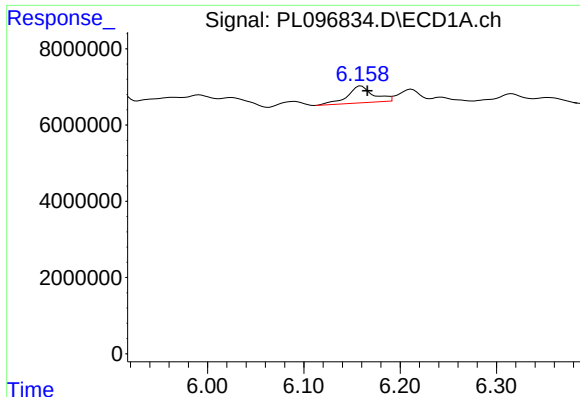
#11 alpha-Chlordane

R.T.: 5.992 min
Delta R.T.: -0.005 min
Response: 15510886
Conc: 4.02 ng/ml



#11 alpha-Chlordane

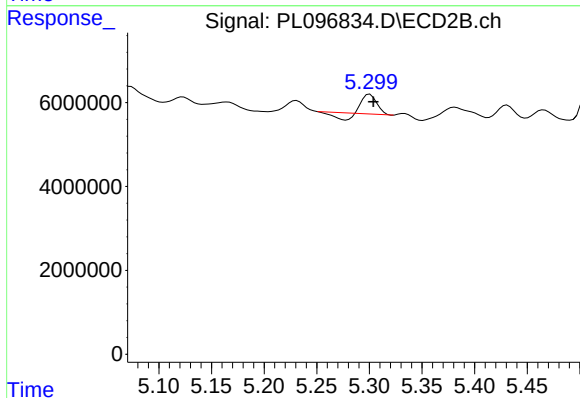
R.T.: 0.000 min
Exp R.T. : 5.115 min
Response: 0
Conc: N.D.



#12 4,4'-DDE

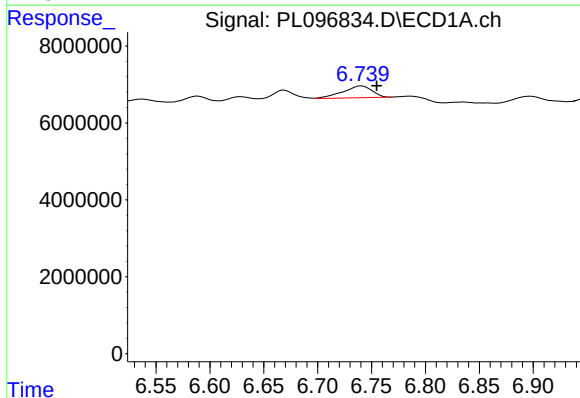
R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 8178729
Conc: 2.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
TW-518R-S



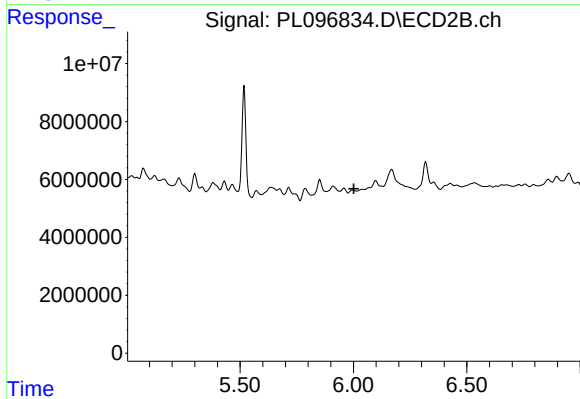
#12 4,4'-DDE

R.T.: 5.300 min
Delta R.T.: -0.004 min
Response: 3082394
Conc: 0.56 ng/ml



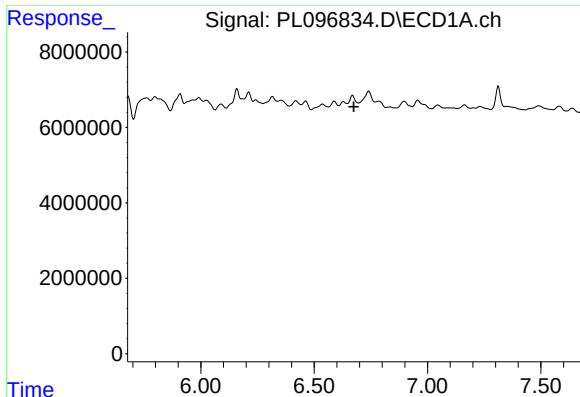
#15 Endosulfan II

R.T.: 6.741 min
Delta R.T.: -0.014 min
Response: 5761850
Conc: 1.80 ng/ml



#15 Endosulfan II

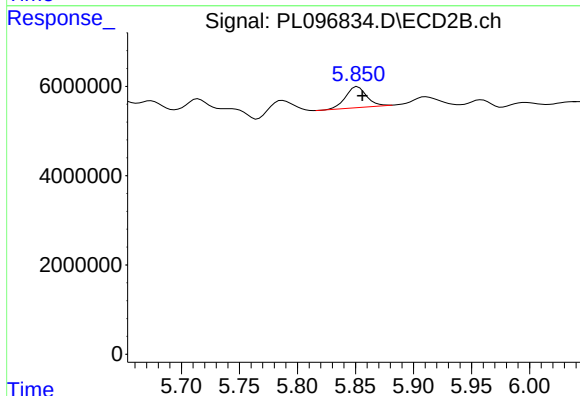
R.T.: 0.000 min
Exp R.T. : 6.001 min
Response: 0
Conc: N.D.



#16 4,4'-DDD

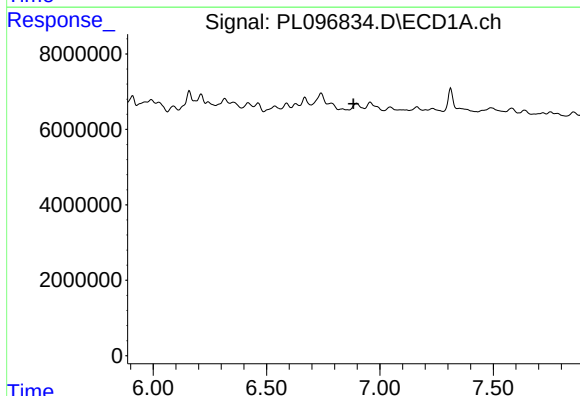
R.T.: 0.000 min
Exp R.T.: 6.675 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TW-518R-S



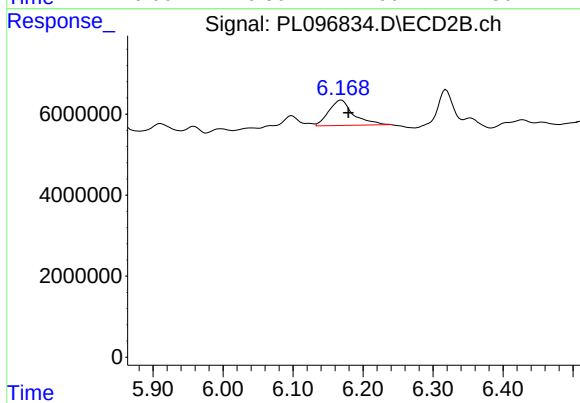
#16 4,4'-DDD

R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 5872211
Conc: 1.25 ng/ml



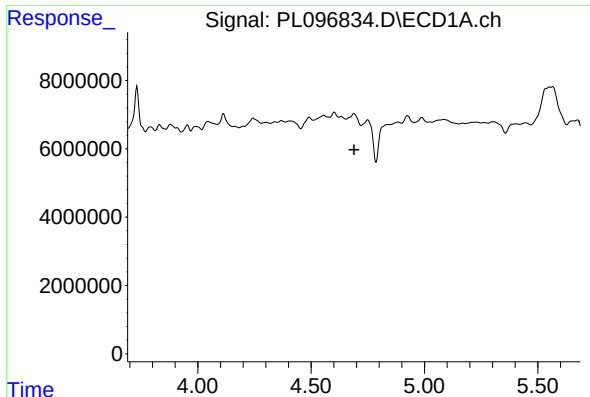
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T.: 6.884 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

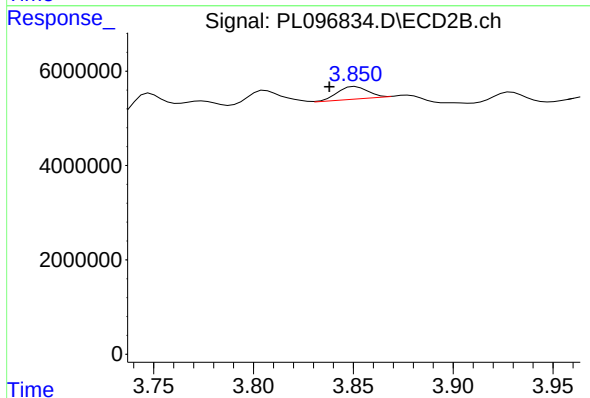
R.T.: 6.169 min
Delta R.T.: -0.010 min
Response: 15426682
Conc: 4.24 ng/ml



#23 Chlordane-1

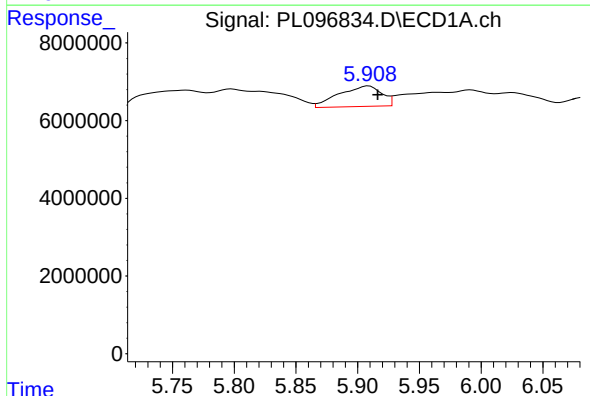
R.T.: 0.000 min
Exp R.T.: 4.690 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TW-518R-S



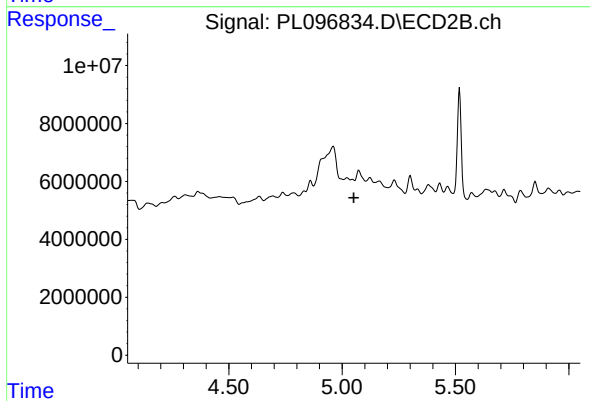
#23 Chlordane-1

R.T.: 3.851 min
Delta R.T.: 0.013 min
Response: 2757260
Conc: 13.15 ng/ml



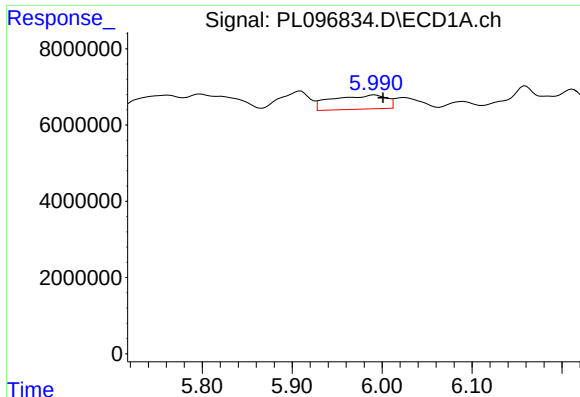
#25 Chlordane-3

R.T.: 5.909 min
Delta R.T.: -0.007 min
Response: 12699938
Conc: 19.01 ng/ml



#25 Chlordane-3

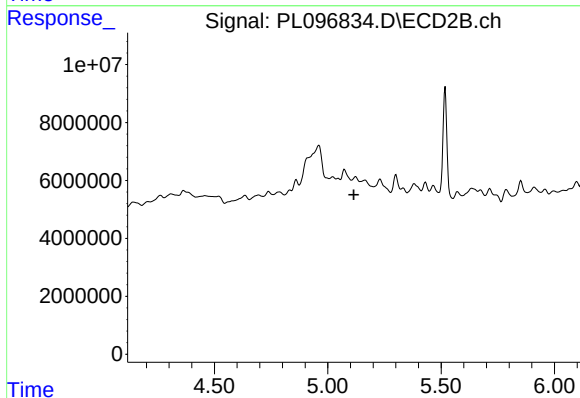
R.T.: 0.000 min
Exp R.T.: 5.052 min
Response: 0
Conc: N.D.



#26 Chlordane-4

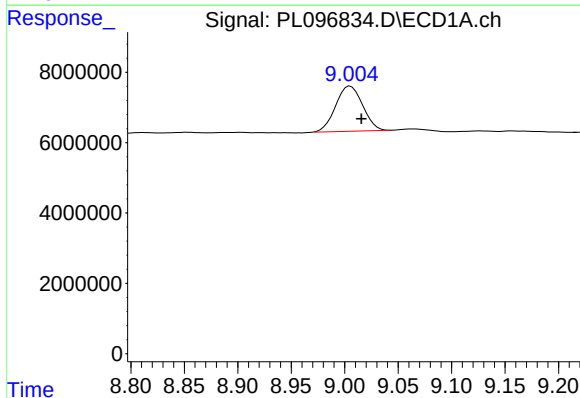
R.T.: 5.992 min
Delta R.T.: -0.009 min
Response: 15510886
Conc: 18.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
TW-518R-S



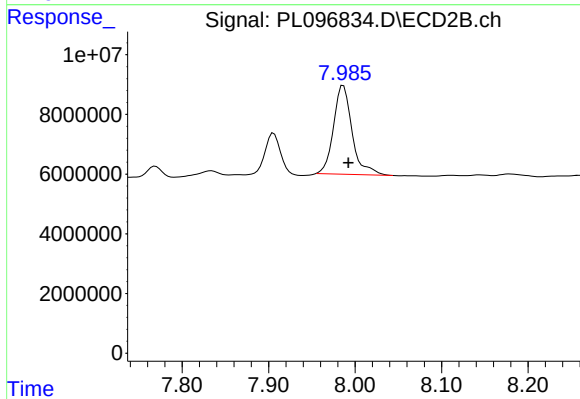
#26 Chlordane-4

R.T.: 0.000 min
Exp R.T. : 5.115 min
Response: 0
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 9.005 min
Delta R.T.: -0.010 min
Response: 22497338
Conc: 9.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 44189457
Conc: 10.19 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
 Data File : PL096835.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 19:54
 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 05:56:32 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	64836130	97845915	20.384	20.479
28) SA Decachlor...	9.003	7.986	49757231	90215642	20.866	20.795
Target Compounds						
14) MA Endrin	0.000	5.714	0	13009158	N.D.	2.406 #
15) B Endosulfa...	6.737f	0.000	8422327	0	2.630	N.D. #
18) B Endrin al...	0.000	6.169	0	12212942	N.D.	3.360 #

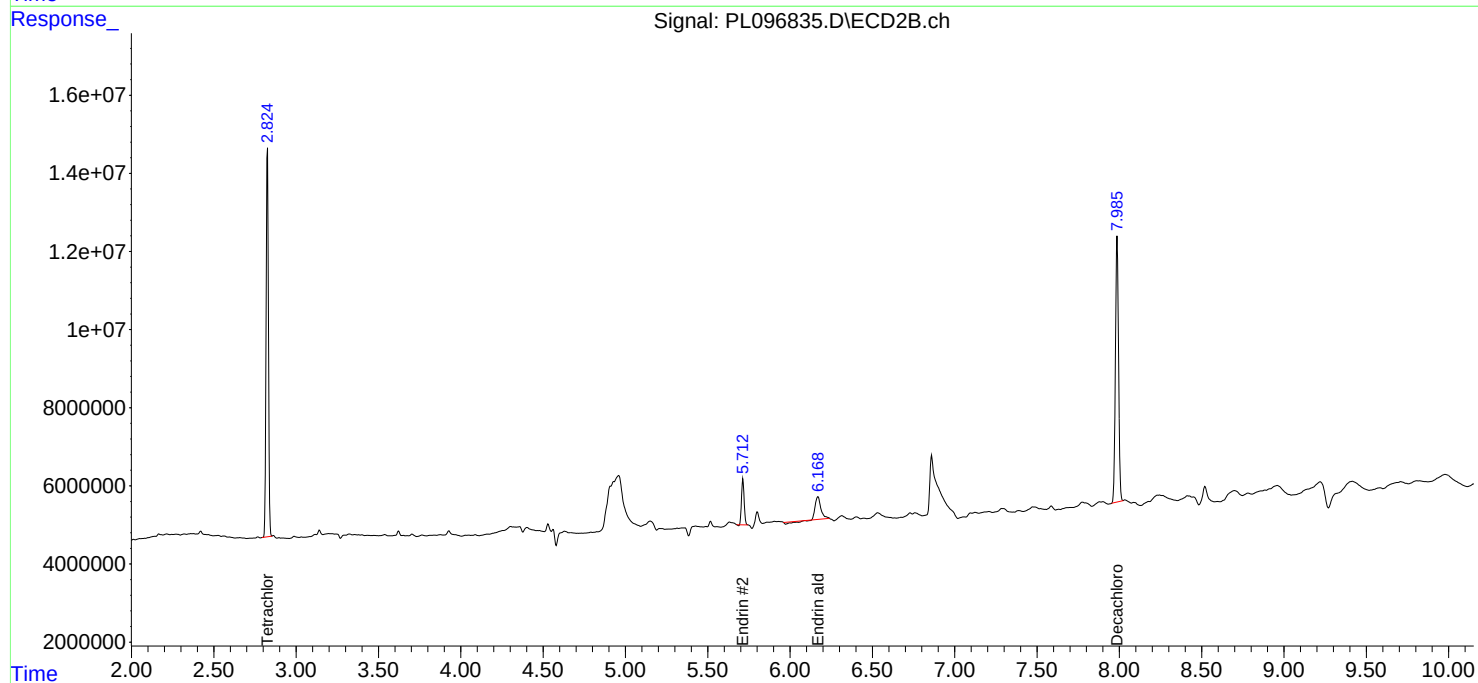
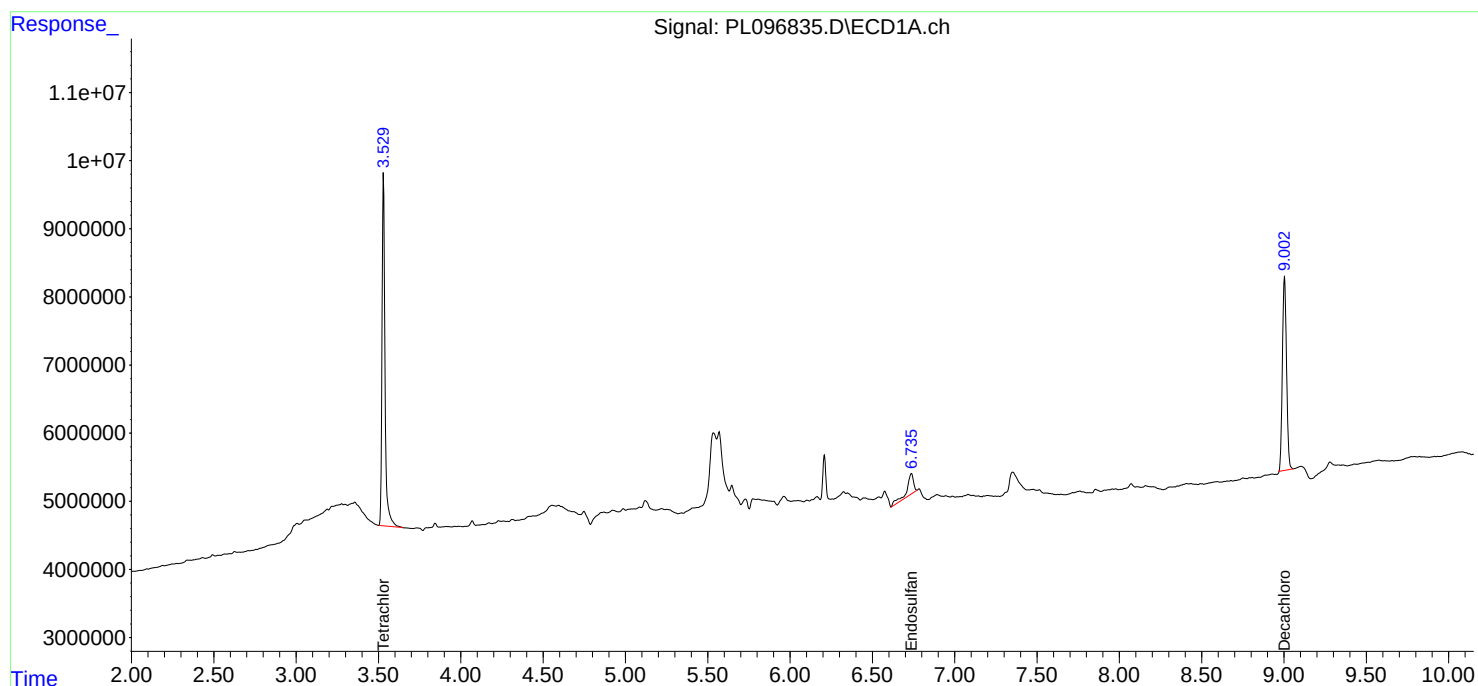
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

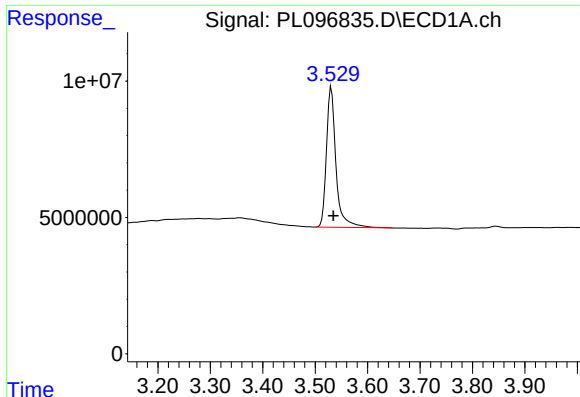
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096835.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 19:54
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:56:32 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

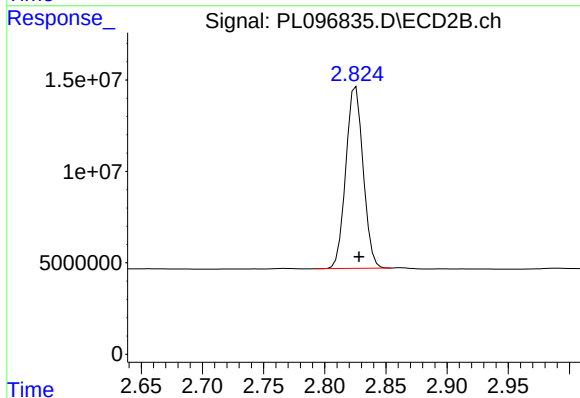




#1 Tetrachloro-m-xylene

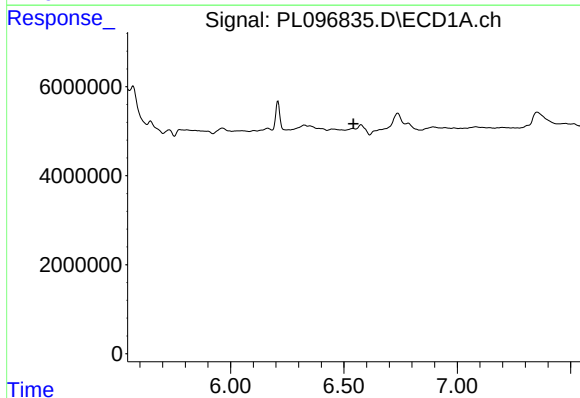
R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 64836130
Conc: 20.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



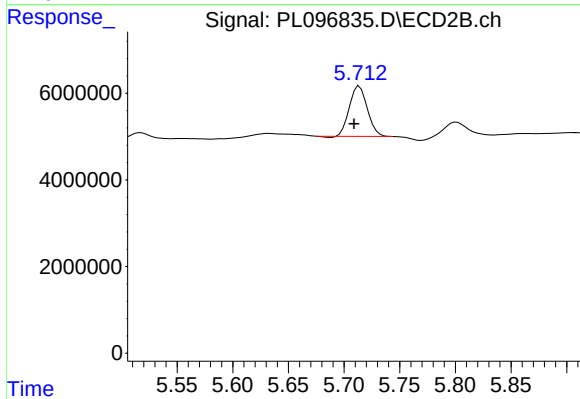
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 97845915
Conc: 20.48 ng/ml



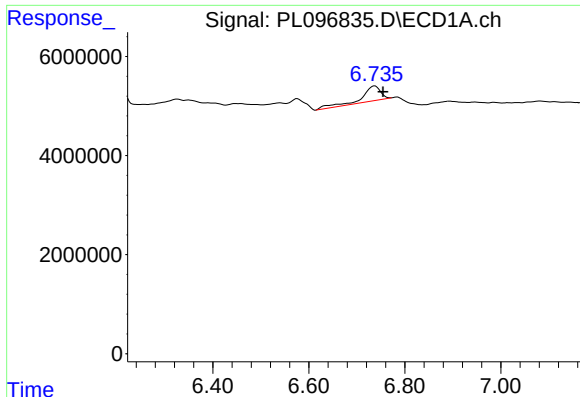
#14 Endrin

R.T.: 0.000 min
Exp R.T. : 6.542 min
Response: 0
Conc: N.D.



#14 Endrin

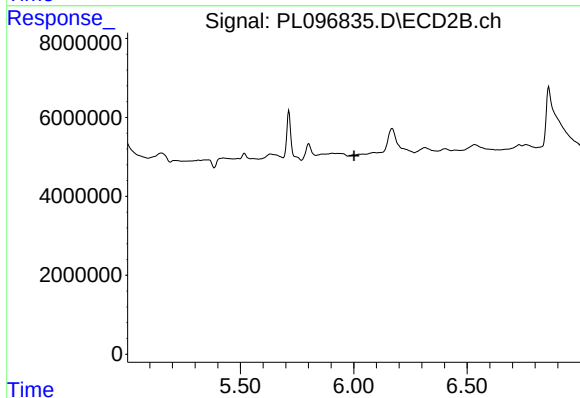
R.T.: 5.714 min
Delta R.T.: 0.005 min
Response: 13009158
Conc: 2.41 ng/ml



#15 Endosulfan II

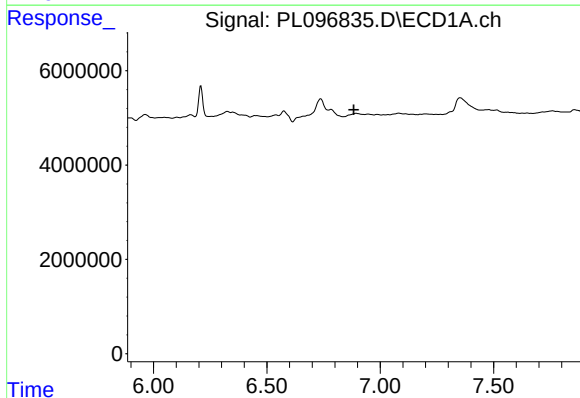
R.T.: 6.737 min
Delta R.T.: -0.017 min
Response: 8422327
Conc: 2.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



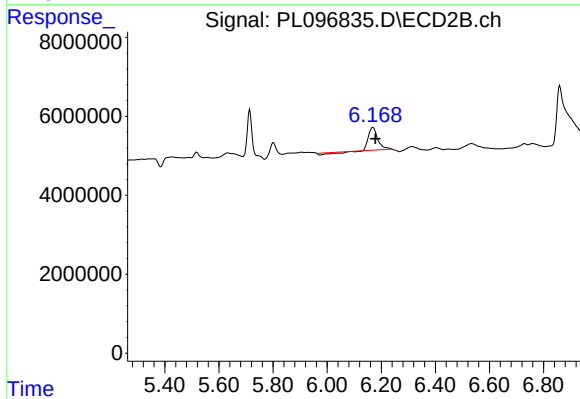
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.001 min
Response: 0
Conc: N.D.



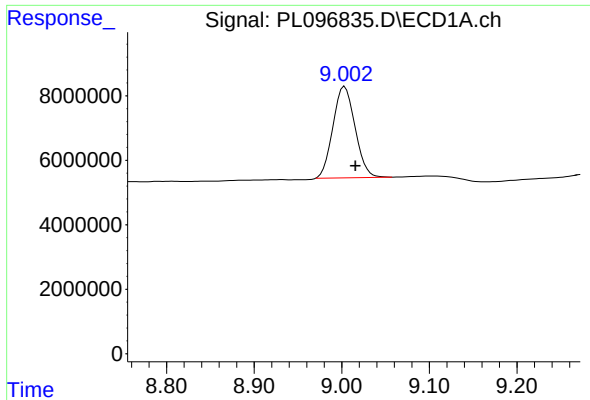
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T. : 6.884 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

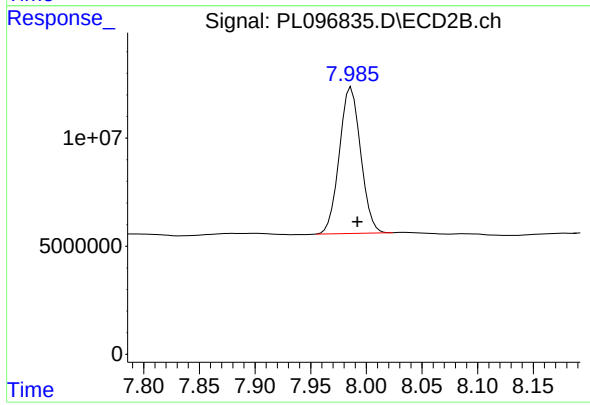
R.T.: 6.169 min
Delta R.T.: -0.010 min
Response: 12212942
Conc: 3.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.003 min
Delta R.T.: -0.012 min
Response: 49757231
Conc: 20.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 90215642
Conc: 20.80 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
 Data File : PL096837.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 20:21
 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 05:56:48 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	183.2E6	261.2E6	57.592	54.666
28)	SA Decachlor...	9.005	7.986	156.0E6	256.3E6	65.408	59.073
Target Compounds							
2)	A alpha-BHC	3.978	3.331	265.3E6	387.0E6	57.342	54.683
3)	MA gamma-BHC...	4.305	3.662	248.0E6	357.8E6	56.070	54.183
4)	MA Heptachlor	4.897	4.011	249.2E6	346.7E6	59.978	52.039
5)	MB Aldrin	5.236	4.293	243.6E6	330.9E6	56.646	53.315
6)	B beta-BHC	4.492	3.959	96682513	150.1E6	53.565	53.201
7)	B delta-BHC	4.738	4.192	234.0E6	348.3E6	58.652	53.810
8)	B Heptachlo...	5.655	4.795	221.2E6	293.1E6	57.355	51.316
9)	A Endosulfan I	6.037	5.166	198.3E6	280.3E6	55.138	50.681
10)	B gamma-Chl...	5.909	5.047	215.5E6	304.9E6	56.630	51.859
11)	B alpha-Chl...	5.989	5.111	222.0E6	299.8E6	57.592	50.816
12)	B 4,4'-DDE	6.159	5.300	191.0E6	291.0E6	59.486	52.773
13)	MA Dieldrin	6.309	5.431	202.1E6	310.7E6	54.458	52.604
14)	MA Endrin	6.536	5.705	169.2E6	266.8E6	55.912	49.357
15)	B Endosulfa...	6.748	5.997	189.2E6	259.7E6	59.089	50.562
16)	A 4,4'-DDD	6.668	5.852	146.9E6	245.3E6	58.084	52.135
17)	MA 4,4'-DDT	6.982	6.105	154.6E6	248.7E6	53.905	49.162
18)	B Endrin al...	6.878	6.175	121.7E6	198.5E6	56.703	54.621
19)	B Endosulfa...	7.110	6.398	149.2E6	257.9E6	51.921	50.706
20)	A Methoxychlor	7.455	6.676	73357486	130.4E6	49.959	47.600
21)	B Endrin ke...	7.590	6.902	162.3E6	293.1E6	53.985	52.632
22)	Mirex	8.068	7.092	127.9E6	218.8E6	51.581	50.172
24)	Chlordane-2	5.236f	0.000	243.6E6	0	1392.132	N.D. #
25)	Chlordane-3	5.909	5.047	215.5E6	304.9E6	322.623	438.568 #
26)	Chlordane-4	5.989	5.111	222.0E6	299.8E6	268.210	481.674 #
27)	Chlordane-5	0.000	5.997	0	259.7E6	N.D.	1017.978 #

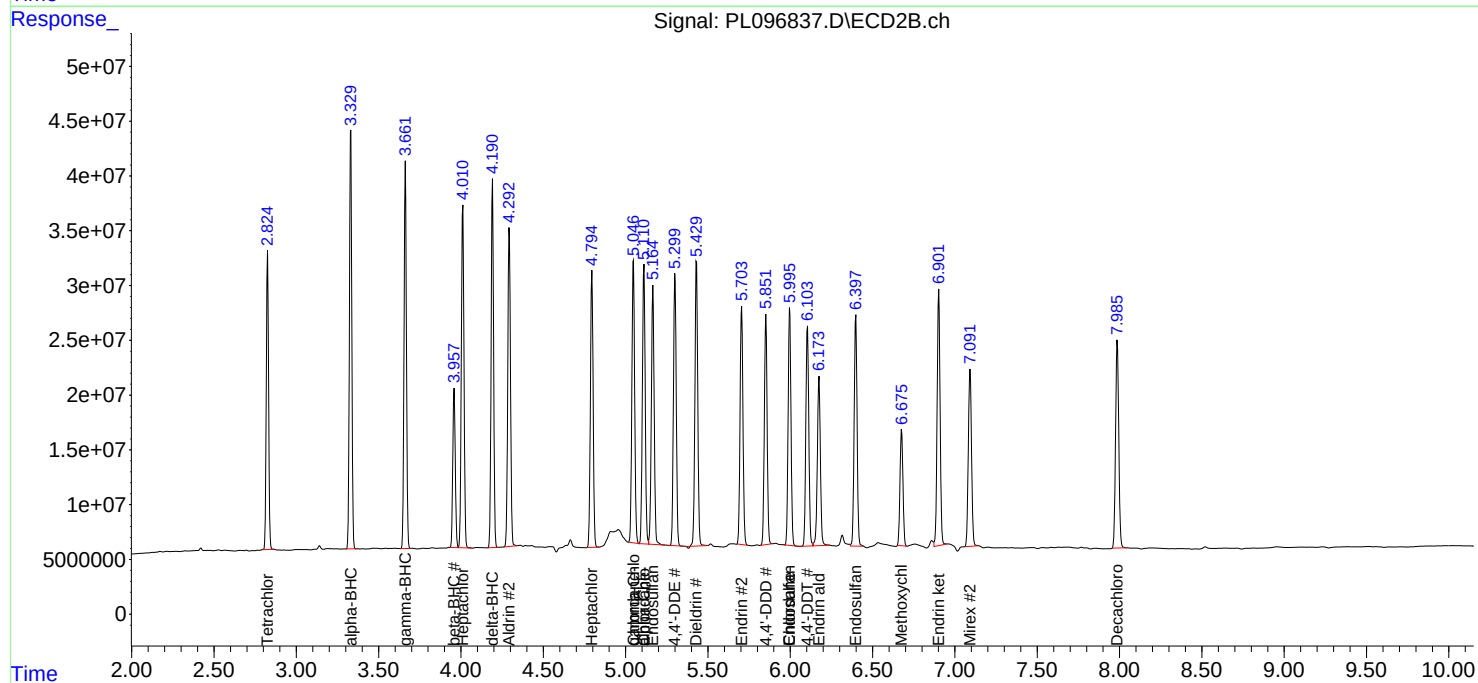
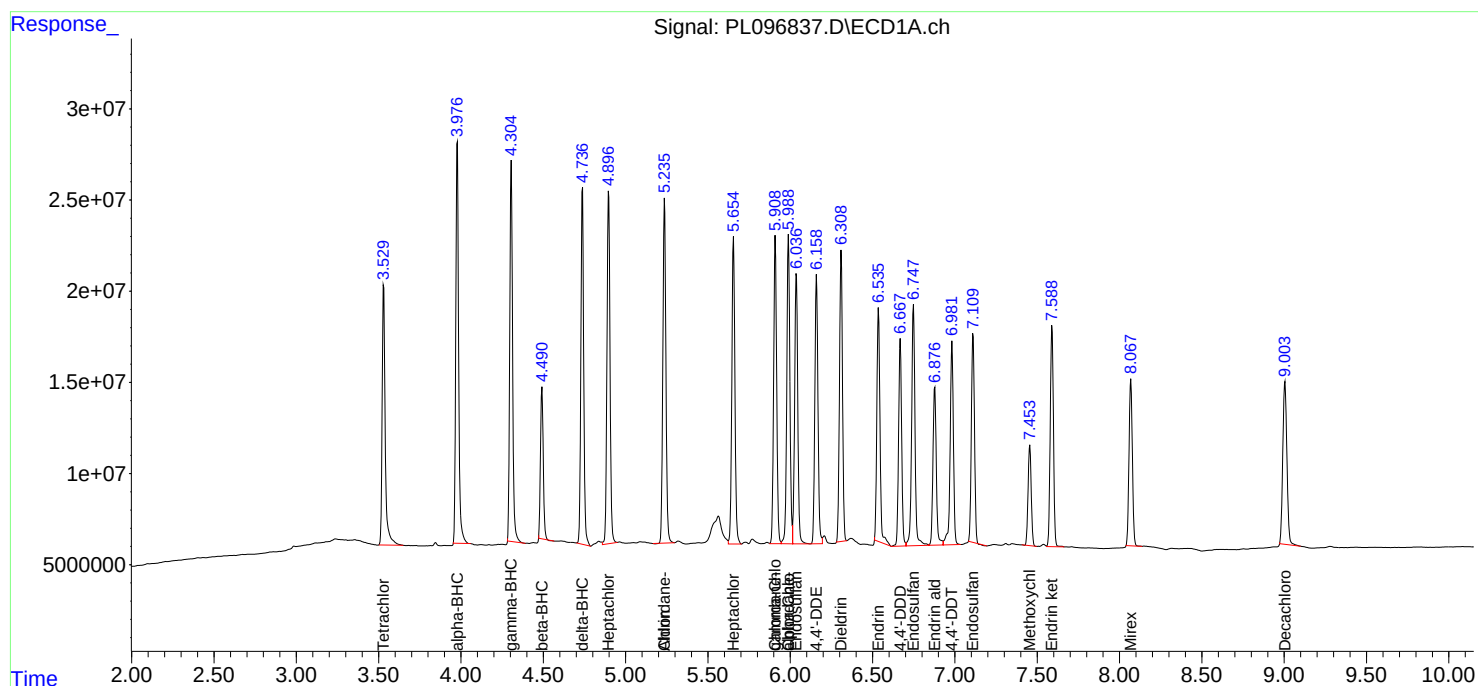
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

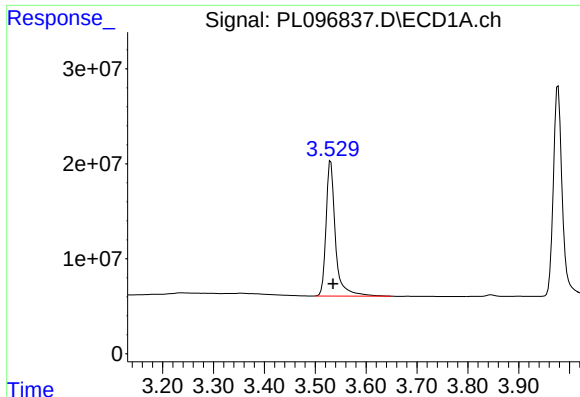
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
Data File : PL096837.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 20:21
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:56:48 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

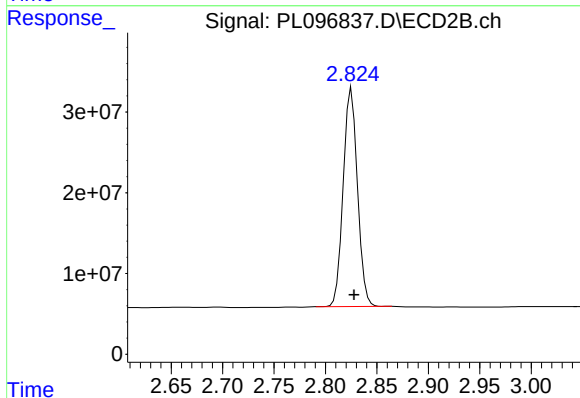




#1 Tetrachloro-m-xylene

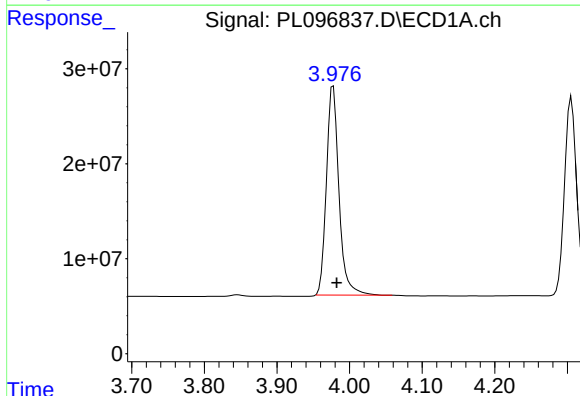
R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 183186274
Conc: 57.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



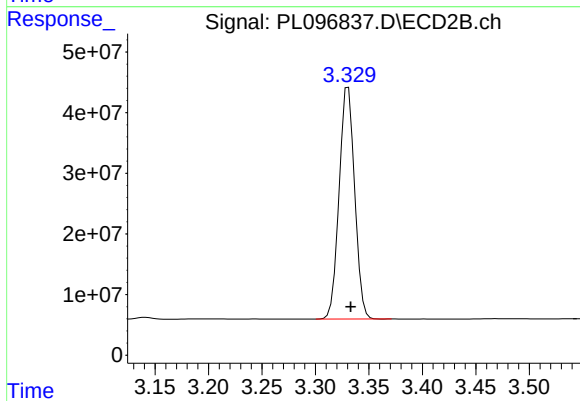
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 261180108
Conc: 54.67 ng/ml



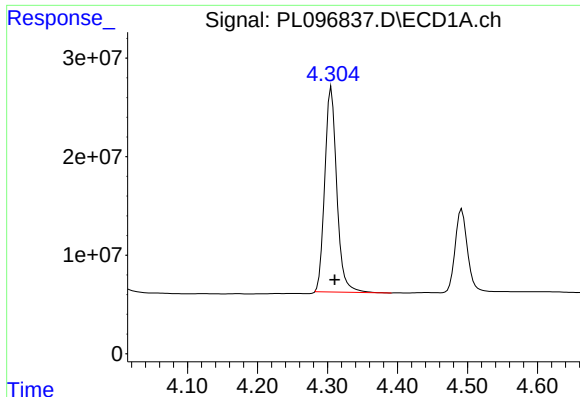
#2 alpha-BHC

R.T.: 3.978 min
Delta R.T.: -0.005 min
Response: 265285541
Conc: 57.34 ng/ml



#2 alpha-BHC

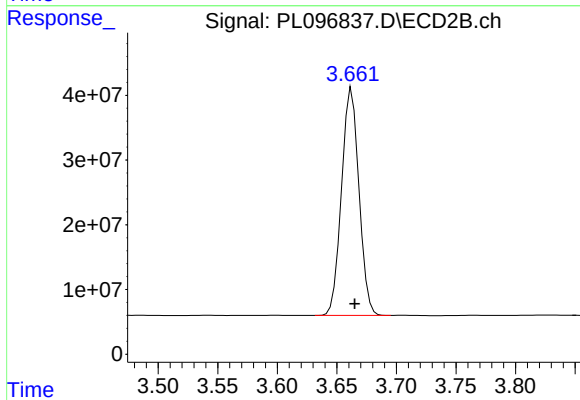
R.T.: 3.331 min
Delta R.T.: -0.002 min
Response: 386992270
Conc: 54.68 ng/ml



#3 gamma-BHC (Lindane)

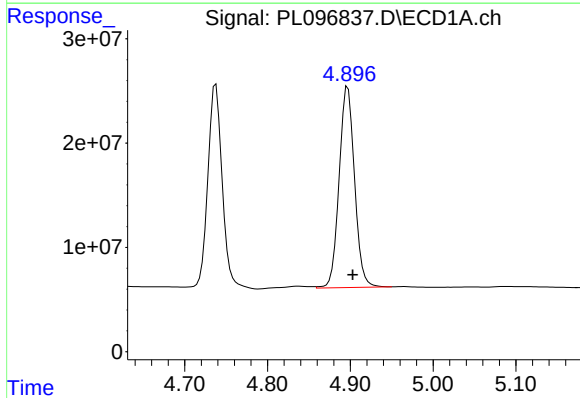
R.T.: 4.305 min
Delta R.T.: -0.005 min
Response: 248023524
Conc: 56.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



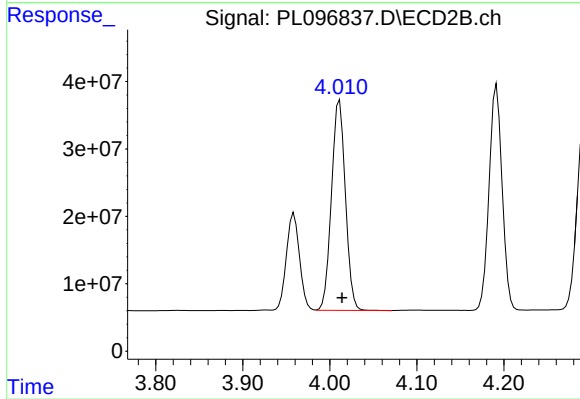
#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: -0.003 min
Response: 357789794
Conc: 54.18 ng/ml



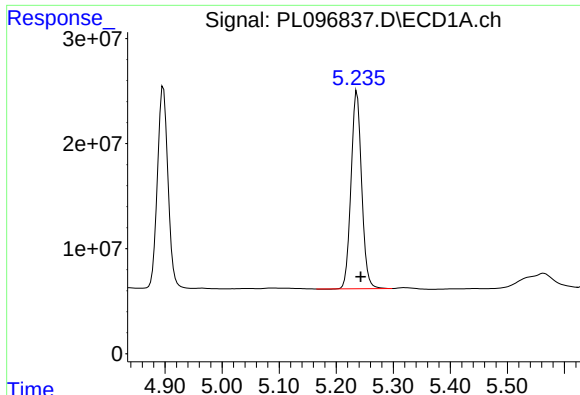
#4 Heptachlor

R.T.: 4.897 min
Delta R.T.: -0.006 min
Response: 249249228
Conc: 59.98 ng/ml



#4 Heptachlor

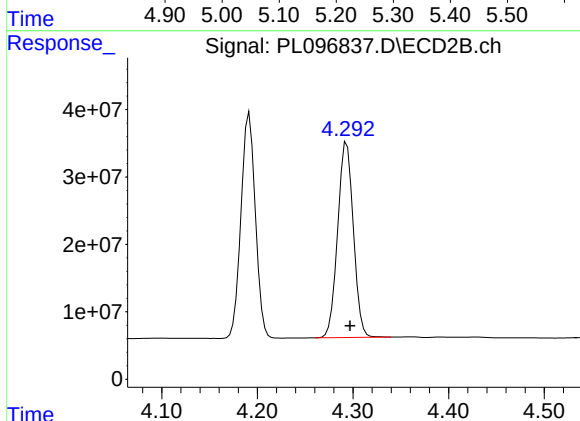
R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 346682651
Conc: 52.04 ng/ml



#5 Aldrin

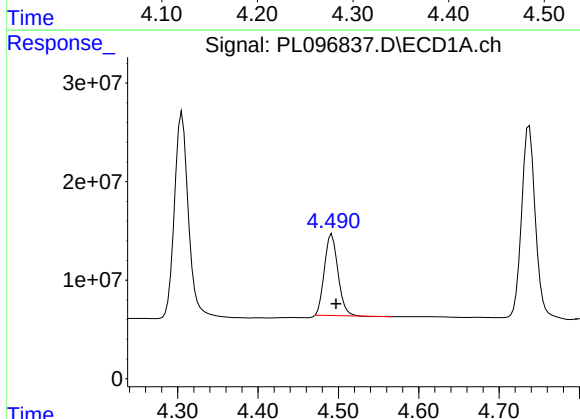
R.T.: 5.236 min
Delta R.T.: -0.006 min
Response: 243632550
Conc: 56.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



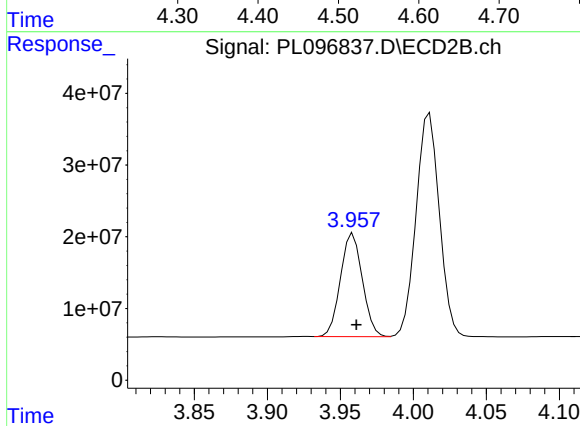
#5 Aldrin

R.T.: 4.293 min
Delta R.T.: -0.003 min
Response: 330929439
Conc: 53.31 ng/ml



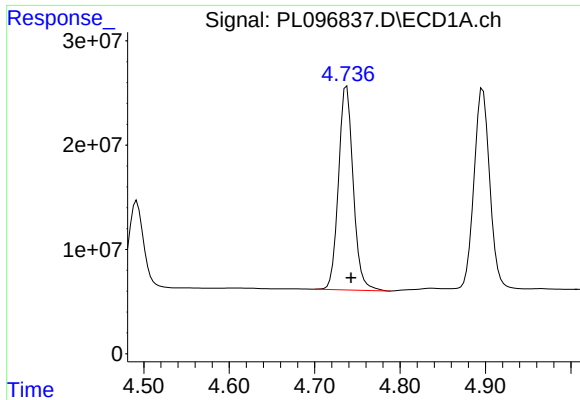
#6 beta-BHC

R.T.: 4.492 min
Delta R.T.: -0.005 min
Response: 96682513
Conc: 53.56 ng/ml



#6 beta-BHC

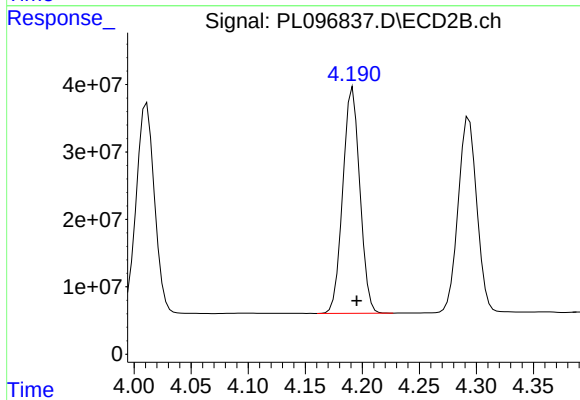
R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 150074487
Conc: 53.20 ng/ml



#7 delta-BHC

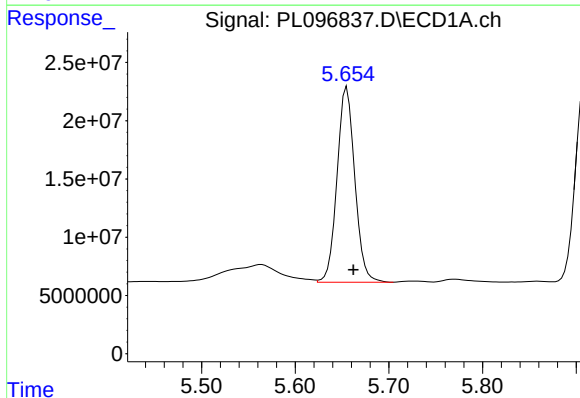
R.T.: 4.738 min
Delta R.T.: -0.005 min
Response: 234013055
Conc: 58.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



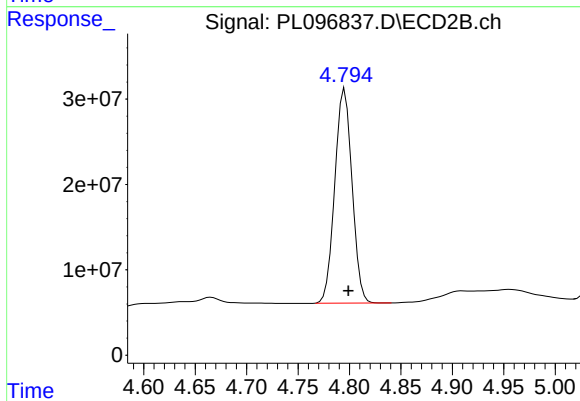
#7 delta-BHC

R.T.: 4.192 min
Delta R.T.: -0.003 min
Response: 348342823
Conc: 53.81 ng/ml



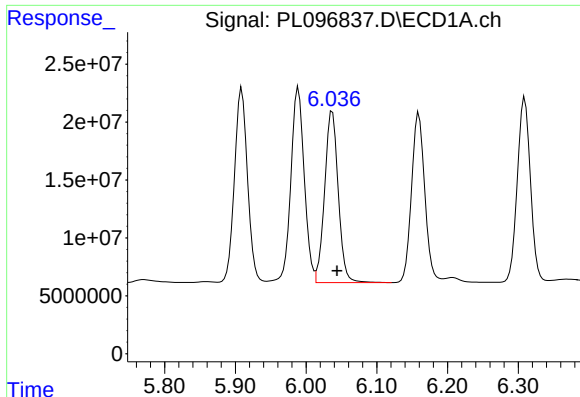
#8 Heptachlor epoxide

R.T.: 5.655 min
Delta R.T.: -0.007 min
Response: 221190087
Conc: 57.35 ng/ml



#8 Heptachlor epoxide

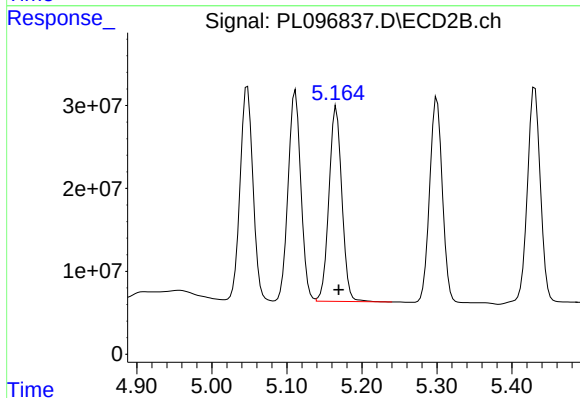
R.T.: 4.795 min
Delta R.T.: -0.004 min
Response: 293085163
Conc: 51.32 ng/ml



#9 Endosulfan I

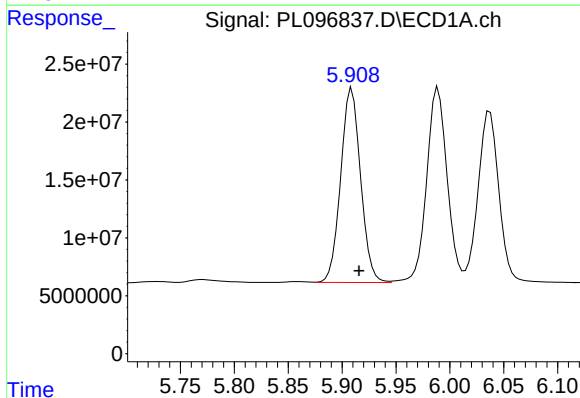
R.T.: 6.037 min
Delta R.T.: -0.006 min
Response: 198295830
Conc: 55.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



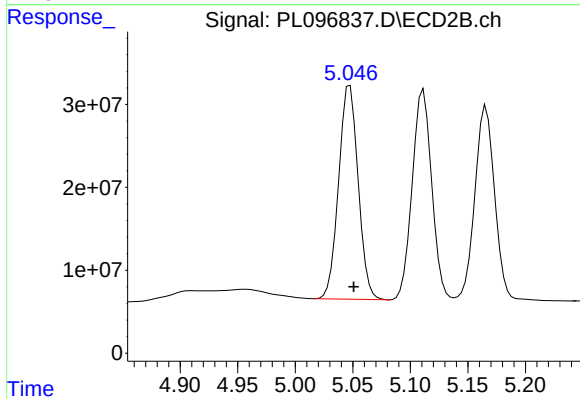
#9 Endosulfan I

R.T.: 5.166 min
Delta R.T.: -0.003 min
Response: 280339392
Conc: 50.68 ng/ml



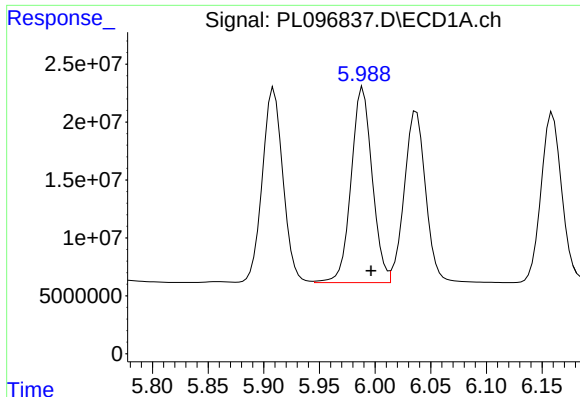
#10 gamma-Chlordane

R.T.: 5.909 min
Delta R.T.: -0.007 min
Response: 215492172
Conc: 56.63 ng/ml



#10 gamma-Chlordane

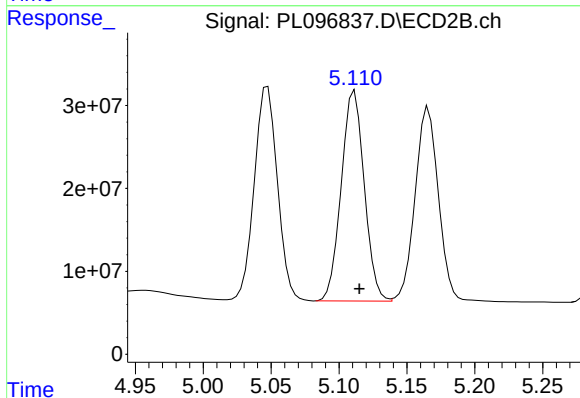
R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 304937077
Conc: 51.86 ng/ml



#11 alpha-Chlordane

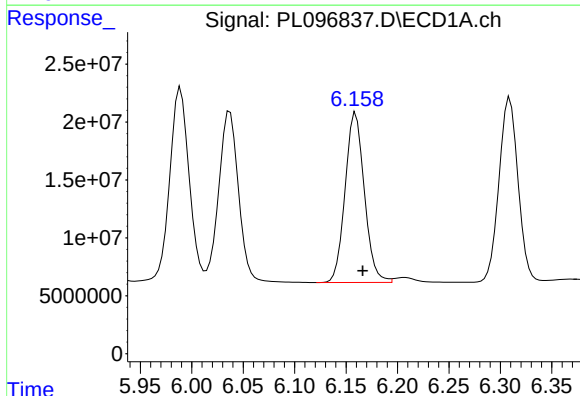
R.T.: 5.989 min
Delta R.T.: -0.007 min
Response: 221997369
Conc: 57.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



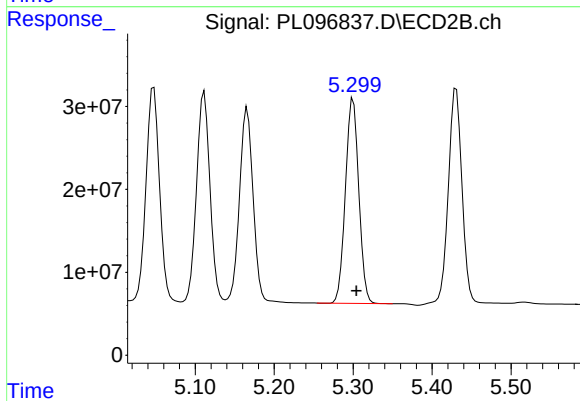
#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 299761391
Conc: 50.82 ng/ml



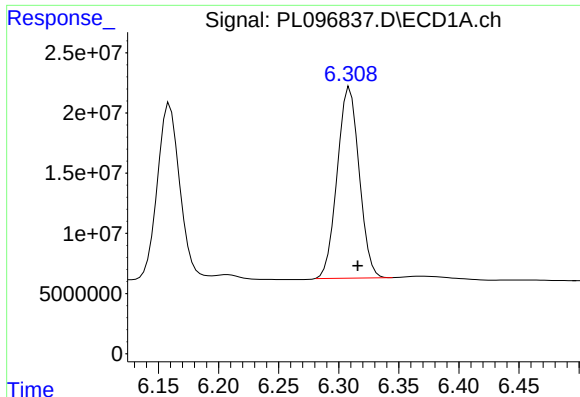
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 191025321
Conc: 59.49 ng/ml



#12 4,4'-DDE

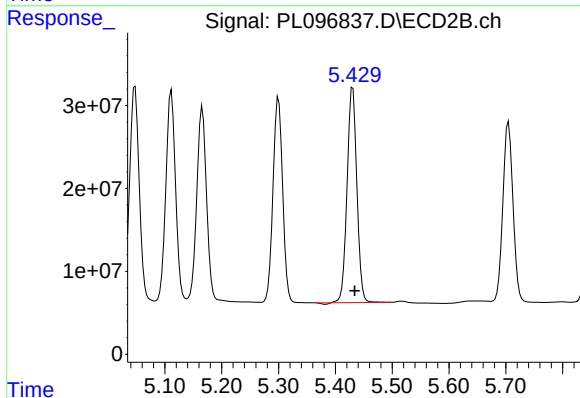
R.T.: 5.300 min
Delta R.T.: -0.004 min
Response: 291012828
Conc: 52.77 ng/ml



#13 Dieldrin

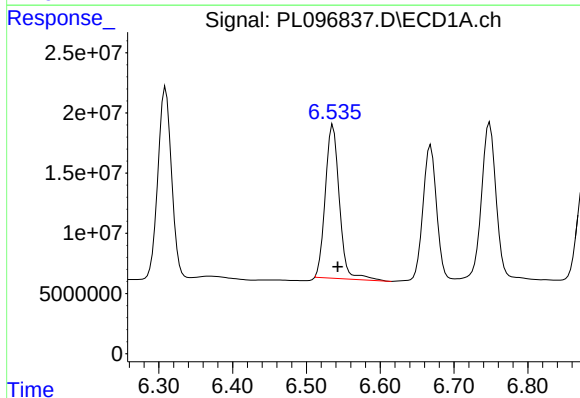
R.T.: 6.309 min
Delta R.T.: -0.007 min
Response: 202100038
Conc: 54.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



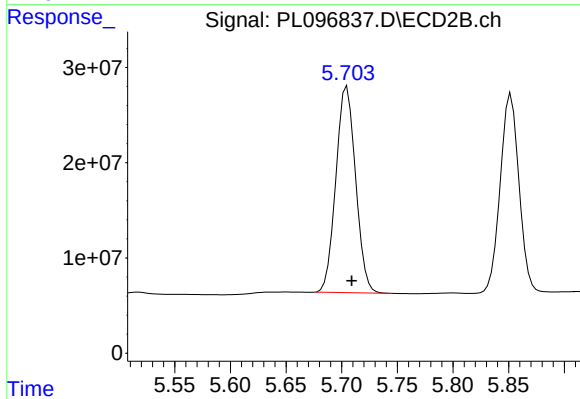
#13 Dieldrin

R.T.: 5.431 min
Delta R.T.: -0.003 min
Response: 310705546
Conc: 52.60 ng/ml



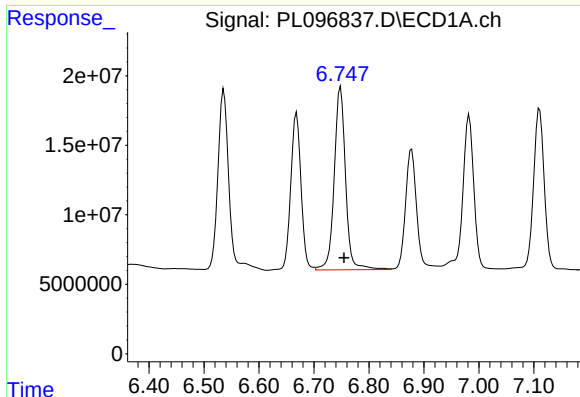
#14 Endrin

R.T.: 6.536 min
Delta R.T.: -0.006 min
Response: 169234012
Conc: 55.91 ng/ml



#14 Endrin

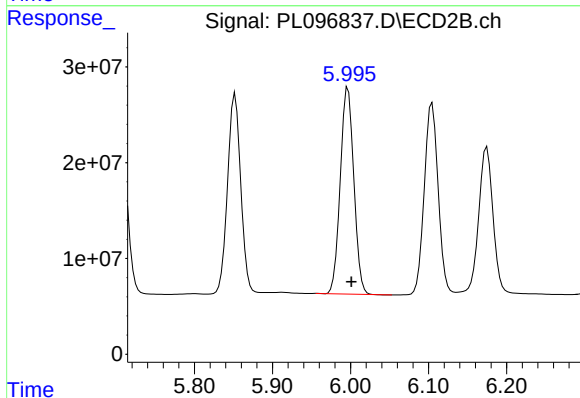
R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 266823917
Conc: 49.36 ng/ml



#15 Endosulfan II

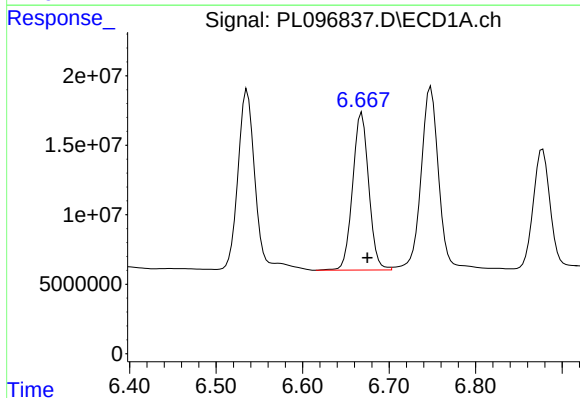
R.T.: 6.748 min
Delta R.T.: -0.007 min
Response: 189241749
Conc: 59.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



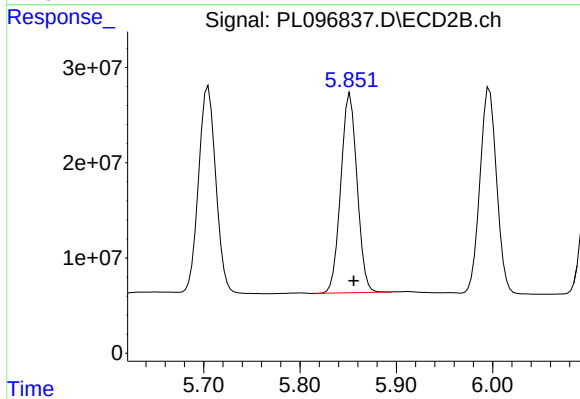
#15 Endosulfan II

R.T.: 5.997 min
Delta R.T.: -0.004 min
Response: 259698451
Conc: 50.56 ng/ml



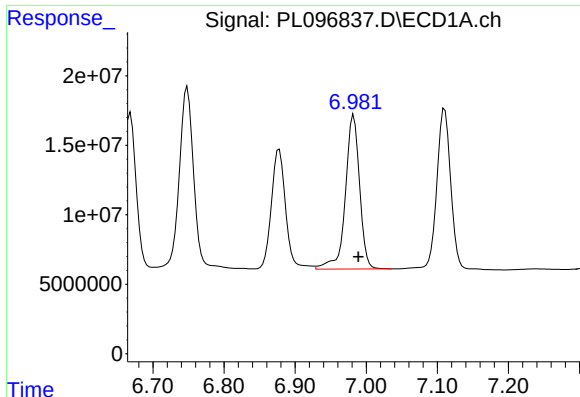
#16 4,4'-DDD

R.T.: 6.668 min
Delta R.T.: -0.007 min
Response: 146856670
Conc: 58.08 ng/ml



#16 4,4'-DDD

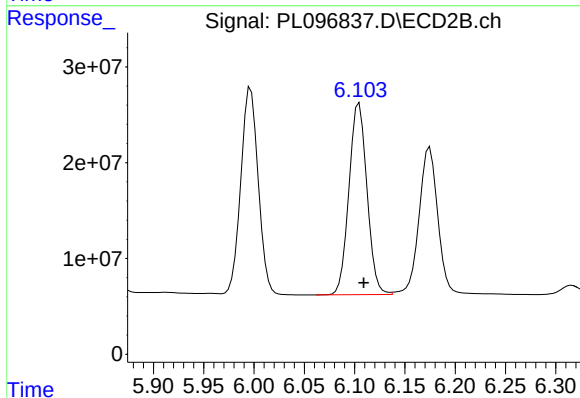
R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 245312145
Conc: 52.14 ng/ml



#17 4,4'-DDT

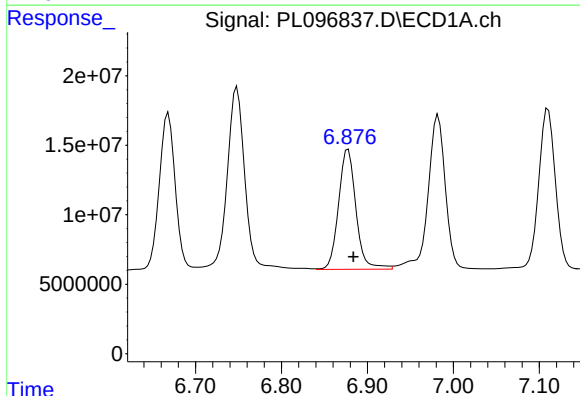
R.T.: 6.982 min
Delta R.T.: -0.007 min
Response: 154583352
Conc: 53.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



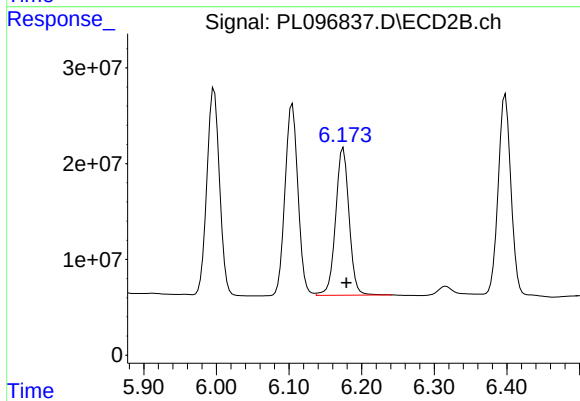
#17 4,4'-DDT

R.T.: 6.105 min
Delta R.T.: -0.004 min
Response: 248673819
Conc: 49.16 ng/ml



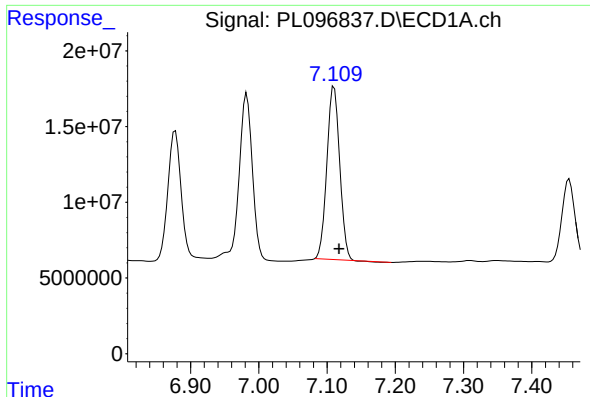
#18 Endrin aldehyde

R.T.: 6.878 min
Delta R.T.: -0.006 min
Response: 121679916
Conc: 56.70 ng/ml



#18 Endrin aldehyde

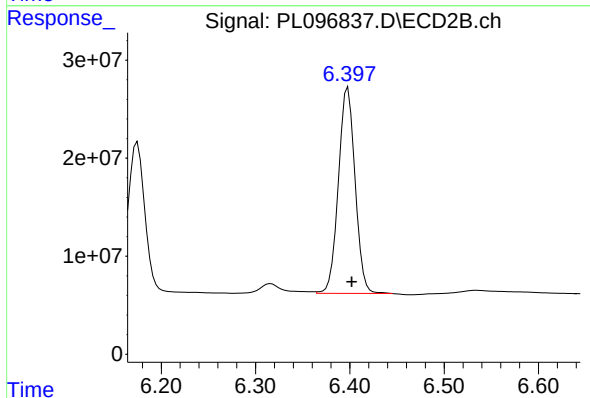
R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 198549833
Conc: 54.62 ng/ml



#19 Endosulfan Sulfate

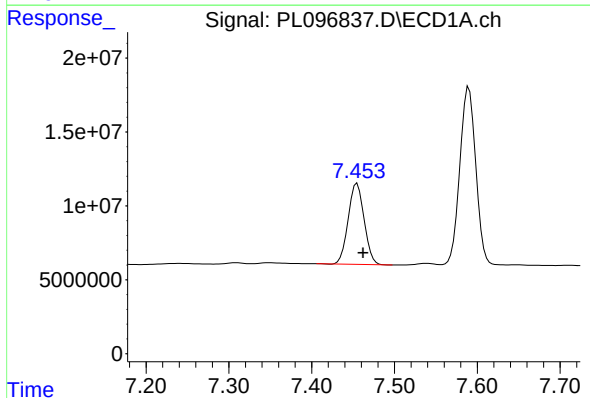
R.T.: 7.110 min
Delta R.T.: -0.007 min
Response: 149205288
Conc: 51.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



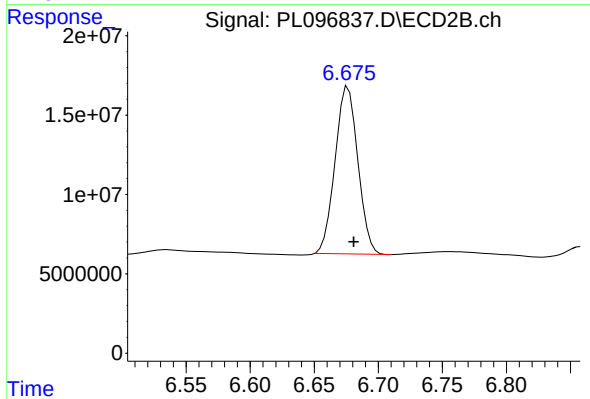
#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 257902949
Conc: 50.71 ng/ml



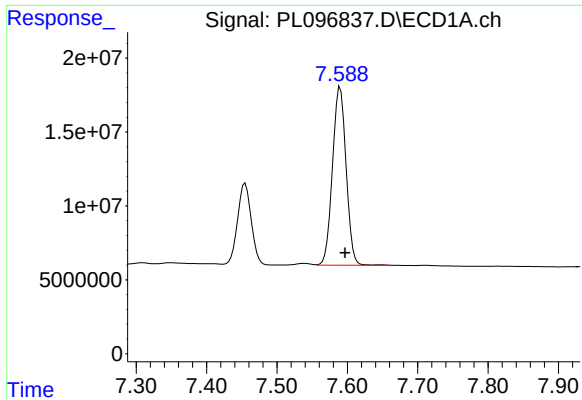
#20 Methoxychlor

R.T.: 7.455 min
Delta R.T.: -0.007 min
Response: 73357486
Conc: 49.96 ng/ml



#20 Methoxychlor

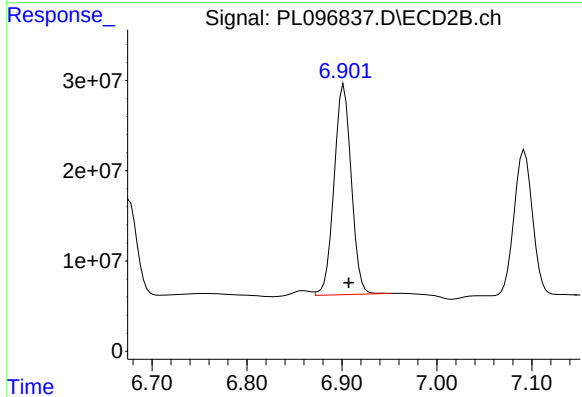
R.T.: 6.676 min
Delta R.T.: -0.005 min
Response: 130447321
Conc: 47.60 ng/ml



#21 Endrin ketone

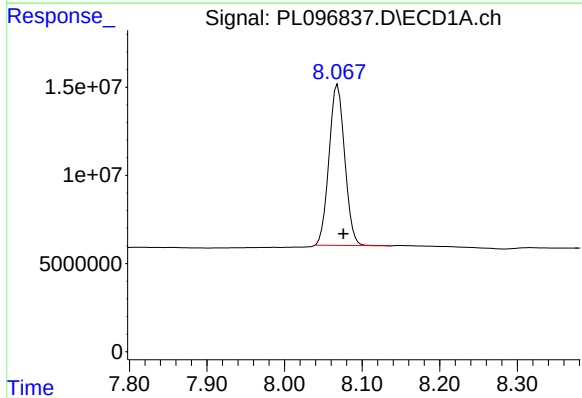
R.T.: 7.590 min
Delta R.T.: -0.007 min
Response: 162317226
Conc: 53.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



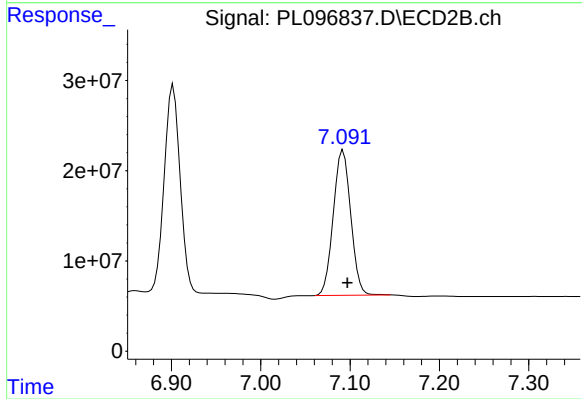
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 293146987
Conc: 52.63 ng/ml



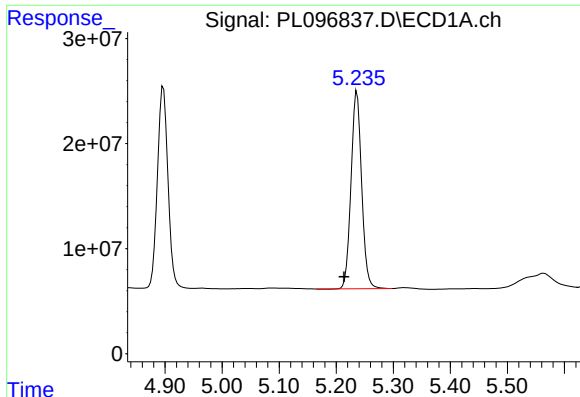
#22 Mirex

R.T.: 8.068 min
Delta R.T.: -0.007 min
Response: 127887459
Conc: 51.58 ng/ml



#22 Mirex

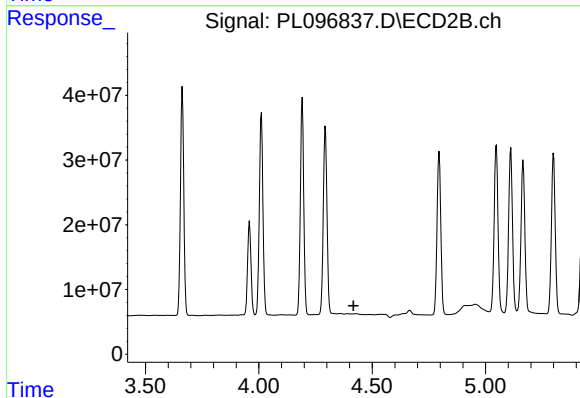
R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 218791981
Conc: 50.17 ng/ml



#24 Chlordane-2

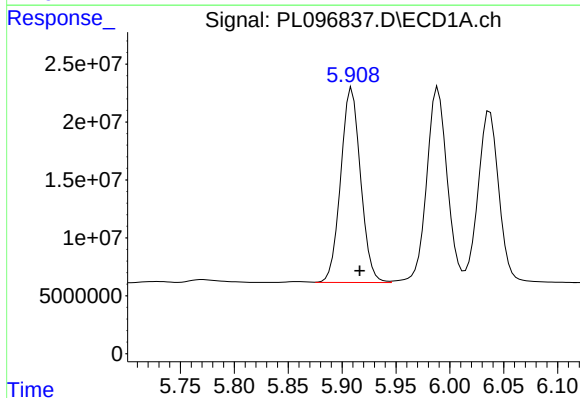
R.T.: 5.236 min
Delta R.T.: 0.023 min
Response: 243632550
Conc: 1392.13 ng/m

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



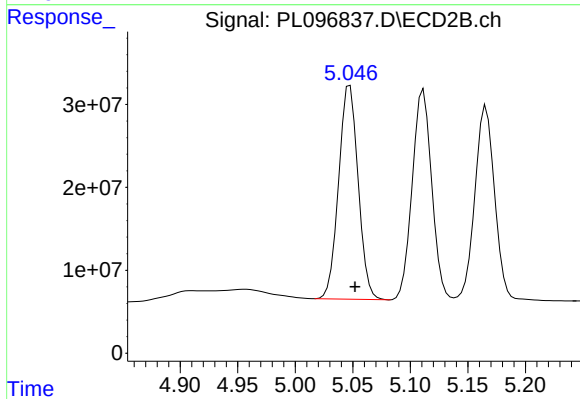
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 4.418 min
Response: 0
Conc: N.D.



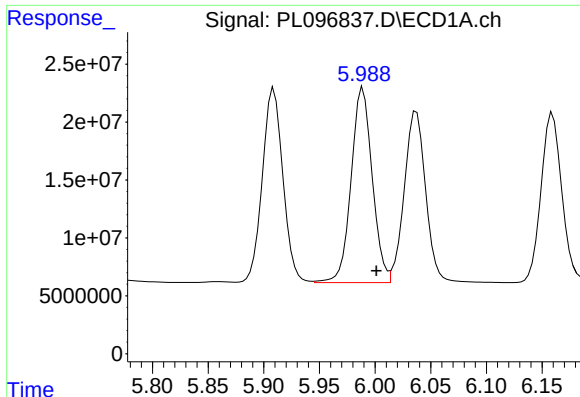
#25 Chlordane-3

R.T.: 5.909 min
Delta R.T.: -0.007 min
Response: 215492172
Conc: 322.62 ng/ml



#25 Chlordane-3

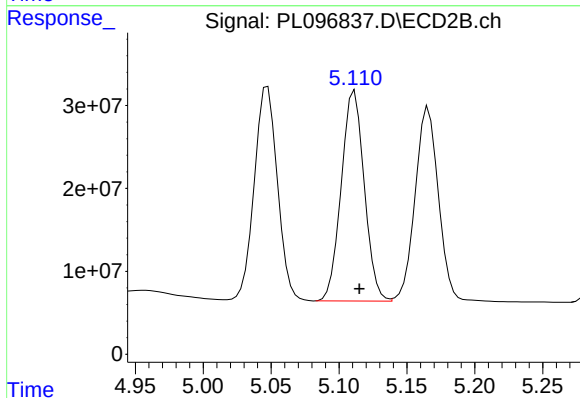
R.T.: 5.047 min
Delta R.T.: -0.005 min
Response: 304937077
Conc: 438.57 ng/ml



#26 Chlordane-4

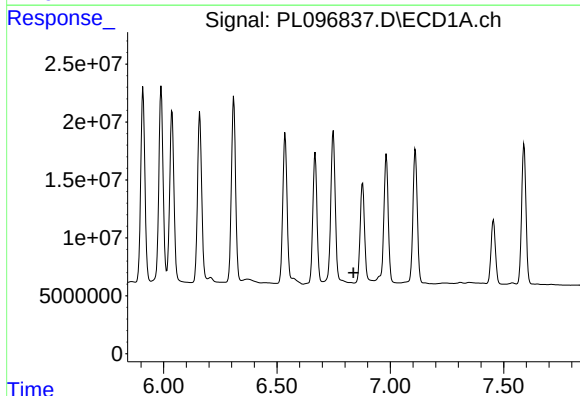
R.T.: 5.989 min
Delta R.T.: -0.012 min
Response: 221997369
Conc: 268.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



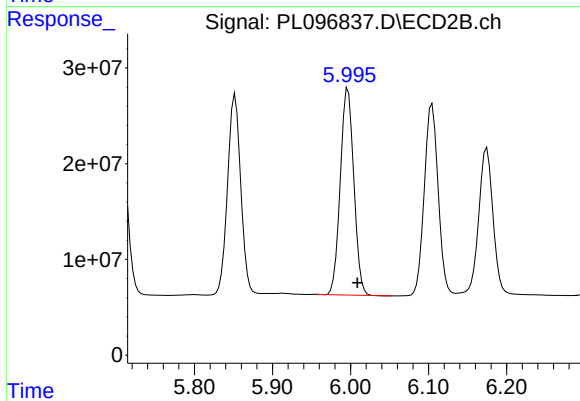
#26 Chlordane-4

R.T.: 5.111 min
Delta R.T.: -0.003 min
Response: 299761391
Conc: 481.67 ng/ml



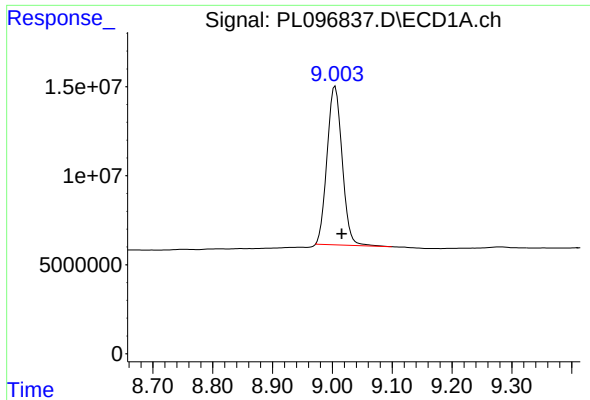
#27 Chlordane-5

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: 259698451
Conc: 1017.98 ng/ml



#28 Decachlorobiphenyl

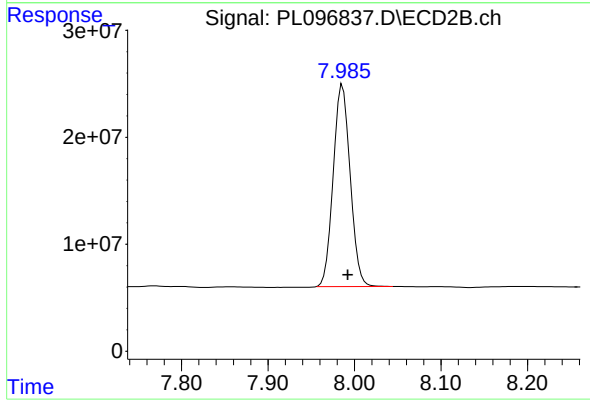
R.T.: 9.005 min

Delta R.T.: -0.011 min

Response: 155975968

Conc: 65.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.986 min

Delta R.T.: -0.006 min

Response: 256275819

Conc: 59.07 ng/ml