

Cover Page

Order ID : Q2177

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number

Q2177-01
Q2177-02
Q2177-03
Q2177-04
Q2177-05
Q2177-06
Q2177-07
Q2177-08
Q2177-09

Client Sample Number

B-187-SB00
B-187-SB01
B-187-SB01
B-187-SB02
B-187-SB02
B-202-SB01
B-202-SB01
EB05312025
TB05312025

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: 6/6/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Portal Partners Tri-Venture

Project Name: Amtrak Sawtooth Bridges 2025

Project # N/A

Order ID # Q2177

Test Name: TCLP Pesticide

A. Number of Samples and Date of Receipt:

7 Solid samples were received on 06/02/2025.

2 Water samples were received on 06/02/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, EPH, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, Trivalent Chromium, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for TCLP Pesticide.

C. Analytical Techniques:

The analysis was performed on instrument ECD_L. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df.; Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11. The analysis of TCLP Pesticides was based on method 8081B and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD met criteria.

The Blank Spike met requirements for all samples.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.



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

E. Additional Comments:

F. Manual Integration Comments:

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

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

Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2177

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRATIK PATEL

Date: 06/06/2025

LAB CHRONICLE

OrderID:	Q2177	OrderDate:	6/2/2025 11:19:00 AM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2177-03	B-187-SB01	TCLP	TCLP Pesticide	8081B	05/31/25	06/03/25	06/03/25	06/02/25
Q2177-05	B-187-SB02	TCLP	TCLP Pesticide	8081B	05/31/25	06/03/25	06/03/25	06/02/25
Q2177-07	B-202-SB01	TCLP	TCLP Pesticide	8081B	05/31/25	06/03/25	06/03/25	06/02/25



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

Hit Summary Sheet
SW-846

SDG No.:

Order ID:

Client:

Project ID:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
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Client ID :

Total Concentration:



QC SUMMARY

Surrogate Summary

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL095732.D	PIBLK-PL095732.D	Decachlorobiphenyl	1	20	18.2	91		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	16.4	82		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	17.5	88		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	16.0	80		30 (61)	150 (148)
I.BLK-PL095896.D	PIBLK-PL095896.D	Decachlorobiphenyl	1	20	19.8	99		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	22.6	113		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	17.9	90		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	23.0	115		30 (61)	150 (148)
Q2173-06MS	OR-400-CF-402B-COMP-23MS	Decachlorobiphenyl	1	20	17.5	88		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	18.5	93		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	16.3	82		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	18.9	94		30 (61)	150 (148)
Q2173-06MSD	OR-400-CF-402B-COMP-23MSD	Decachlorobiphenyl	1	20	17.5	88		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	18.7	94		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	17.1	86		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	19.0	95		30 (61)	150 (148)
PB168264BL	PB168264BL	Decachlorobiphenyl	1	20	18.1	90		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	19.0	95		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	17.9	89		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	19.2	96		30 (61)	150 (148)
PB168224TB	PB168224TB	Decachlorobiphenyl	1	20	18.2	91		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	19.0	95		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	17.7	89		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	19.3	96		30 (61)	150 (148)
I.BLK-PL095905.D	PIBLK-PL095905.D	Decachlorobiphenyl	1	20	21.4	107		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	23.0	115		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	21.4	107		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	22.9	115		30 (61)	150 (148)
Q2177-03	B-187-SB01	Decachlorobiphenyl	1	20	22.4	112		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	22.1	110		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	23.4	117		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	22.6	113		30 (61)	150 (148)
Q2177-05	B-187-SB02	Decachlorobiphenyl	1	20	19.1	96		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	18.6	93		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	19.6	98		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	18.8	94		30 (61)	150 (148)
Q2177-07	B-202-SB01	Decachlorobiphenyl	1	20	18.7	93		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	18.6	93		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	19.4	97		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	18.4	92		30 (61)	150 (148)
I.BLK-PL095911.D	PIBLK-PL095911.D	Decachlorobiphenyl	1	20	21.9	110		30 (57)	150 (171)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL095911.D	PIBLK-PL095911.D	Tetrachloro-m-xylene	1	20	23.2	116		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	22.9	114		30 (57)	150 (171)
I.BLK-PL095914.D	PIBLK-PL095914.D	Tetrachloro-m-xylene	2	20	23.2	116		30 (61)	150 (148)
		Decachlorobiphenyl	1	20	20.1	101		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	21.3	106		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	20.1	101		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	20.3	101		30 (61)	150 (148)
PB168264BS	PB168264BS	Decachlorobiphenyl	1	20	22.0	110		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	22.1	110		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	22.1	110		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	21.4	107		30 (61)	150 (148)
I.BLK-PL095918.D	PIBLK-PL095918.D	Decachlorobiphenyl	1	20	20.4	102		30 (57)	150 (171)
		Tetrachloro-m-xylene	1	20	20.6	103		30 (61)	150 (148)
		Decachlorobiphenyl	2	20	20.1	100		30 (57)	150 (171)
		Tetrachloro-m-xylene	2	20	19.6	98		30 (61)	150 (148)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2177</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Portal Partners Tri-Venture</u>	DataFile :	<u>PL095898.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: OR-400-CF-402B-COMP-23MS												
Q2173-06MS (Column 1)	gamma-BHC (Lindane)	5	0	5.00	ug/L	100				30 (60)	150 (152)	
	Heptachlor	5	0	4.80	ug/L	96				30 (56)	150 (147)	
	Heptachlor epoxide	5	0	4.80	ug/L	96				30 (77)	150 (143)	
	Endrin	5	0	4.50	ug/L	90				30 (76)	150 (144)	
	Methoxychlor	5	0	4.50	ug/L	90				30 (70)	150 (142)	
Client Sample ID: OR-400-CF-402B-COMP-23MS												
Q2173-06MS (Column 2)	gamma-BHC (Lindane)	5	0	5.10	ug/L	102				30 (60)	150 (152)	
	Heptachlor	5	0	4.90	ug/L	98				30 (56)	150 (147)	
	Heptachlor epoxide	5	0	5.00	ug/L	100				30 (77)	150 (143)	
	Endrin	5	0	4.50	ug/L	90				30 (76)	150 (144)	
	Methoxychlor	5	0	4.20	ug/L	84				30 (70)	150 (142)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2177</u>	Analytical Method:	<u>8081B</u>
Client:	<u>Portal Partners Tri-Venture</u>	DataFile :	<u>PL095899.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: OR-400-CF-402B-COMP-23MSD												
Q2173-06MSD (Column 1)	gamma-BHC (Lindane)	5	0	5.10	ug/L	102		2		30 (60)	150 (152)	20 (20)
	Heptachlor	5	0	4.80	ug/L	96		0		30 (56)	150 (147)	20 (20)
	Heptachlor epoxide	5	0	4.80	ug/L	96		0		30 (77)	150 (143)	20 (20)
	Endrin	5	0	4.60	ug/L	92		2		30 (76)	150 (144)	20 (20)
	Methoxychlor	5	0	4.60	ug/L	92		2		30 (70)	150 (142)	20 (20)
Client Sample ID: OR-400-CF-402B-COMP-23MSD												
Q2173-06MSD (Column 2)	gamma-BHC (Lindane)	5	0	5.20	ug/L	104		2		30 (60)	150 (152)	20 (20)
	Heptachlor	5	0	4.90	ug/L	98		0		30 (56)	150 (147)	20 (20)
	Heptachlor epoxide	5	0	5.10	ug/L	102		2		30 (77)	150 (143)	20 (20)
	Endrin	5	0	4.50	ug/L	90		0		30 (76)	150 (144)	20 (20)
	Methoxychlor	5	0	4.20	ug/L	84		0		30 (70)	150 (142)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Analytical Method: 8081B

Client: Portal Partners Tri-Venture

Datafile : PL095917.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168264BS (Column 1)	gamma-BHC (Lindane)	0.5	0.56	ug/L	112				40 (82)	140 (129)	
	Heptachlor	0.5	0.54	ug/L	109				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.55	ug/L	111				40 (81)	140 (124)	
	Endrin	0.5	0.49	ug/L	98				40 (81)	140 (128)	
	Methoxychlor	0.5	0.49	ug/L	99				40 (78)	140 (108)	
PB168264BS (Column 2)	gamma-BHC (Lindane)	0.5	0.55	ug/L	110				40 (82)	140 (129)	
	Heptachlor	0.5	0.54	ug/L	107				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.55	ug/L	110				40 (81)	140 (124)	
	Endrin	0.5	0.49	ug/L	98				40 (81)	140 (128)	
	Methoxychlor	0.5	0.45	ug/L	90				40 (78)	140 (108)	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168264BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q2177

SAS No.: Q2177 SDG NO.: Q2177

Lab Sample ID: PB168264BL

Lab File ID: PL095902.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 06/03/2025

Date Analyzed (1): 06/03/2025

Date Analyzed (2): 06/03/2025

Time Analyzed (1): 18:10

Time Analyzed (2): 18:10

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
OR-400-CF-402B-COMP-23MS	Q2173-06MS	PL095898.D	06/03/2025	06/03/2025
OR-400-CF-402B-COMP-23MSD	Q2173-06MSD	PL095899.D	06/03/2025	06/03/2025
PB168224TB	PB168224TB	PL095904.D	06/03/2025	06/03/2025
B-187-SB01	Q2177-03	PL095908.D	06/03/2025	06/03/2025
B-187-SB02	Q2177-05	PL095909.D	06/03/2025	06/03/2025
B-202-SB01	Q2177-07	PL095910.D	06/03/2025	06/03/2025
PB168264BS	PB168264BS	PL095917.D	06/04/2025	06/04/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	PB168224TB	SDG No.:	Q2177
Lab Sample ID:	PB168224TB	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095904.D	1	06/03/25 11:34	06/03/25 18:38	PB168264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.2		30 (57) - 150 (171)	91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		30 (61) - 150 (148)	96%	SPK: 20

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\PL060325\
Data File : PL095904.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 18:38
Operator : AR\AJ
Sample : PB168224TB
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168224TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:40:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.572	2.886	59995831	75425832	19.014	19.271
28) SA Decachlor...	9.098	8.060	42956250	77606935	18.230	17.741

Target Compounds

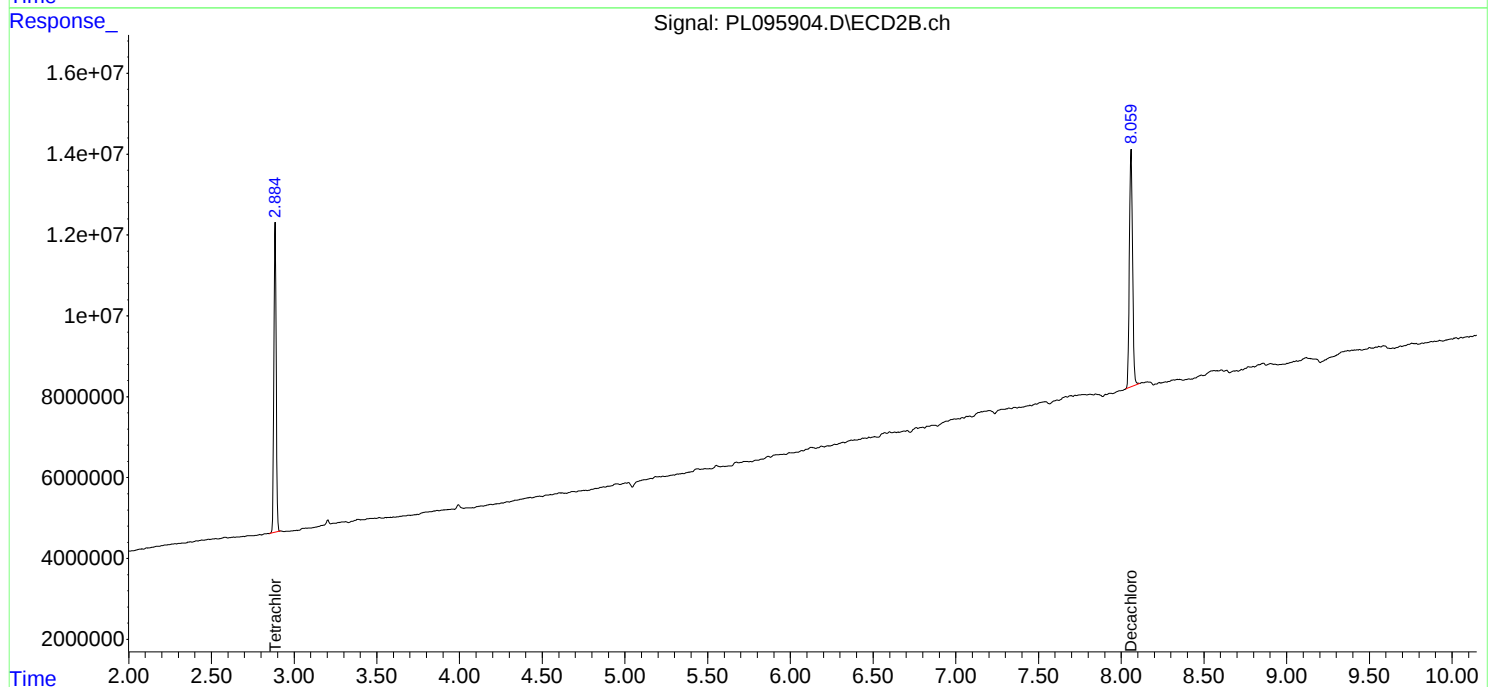
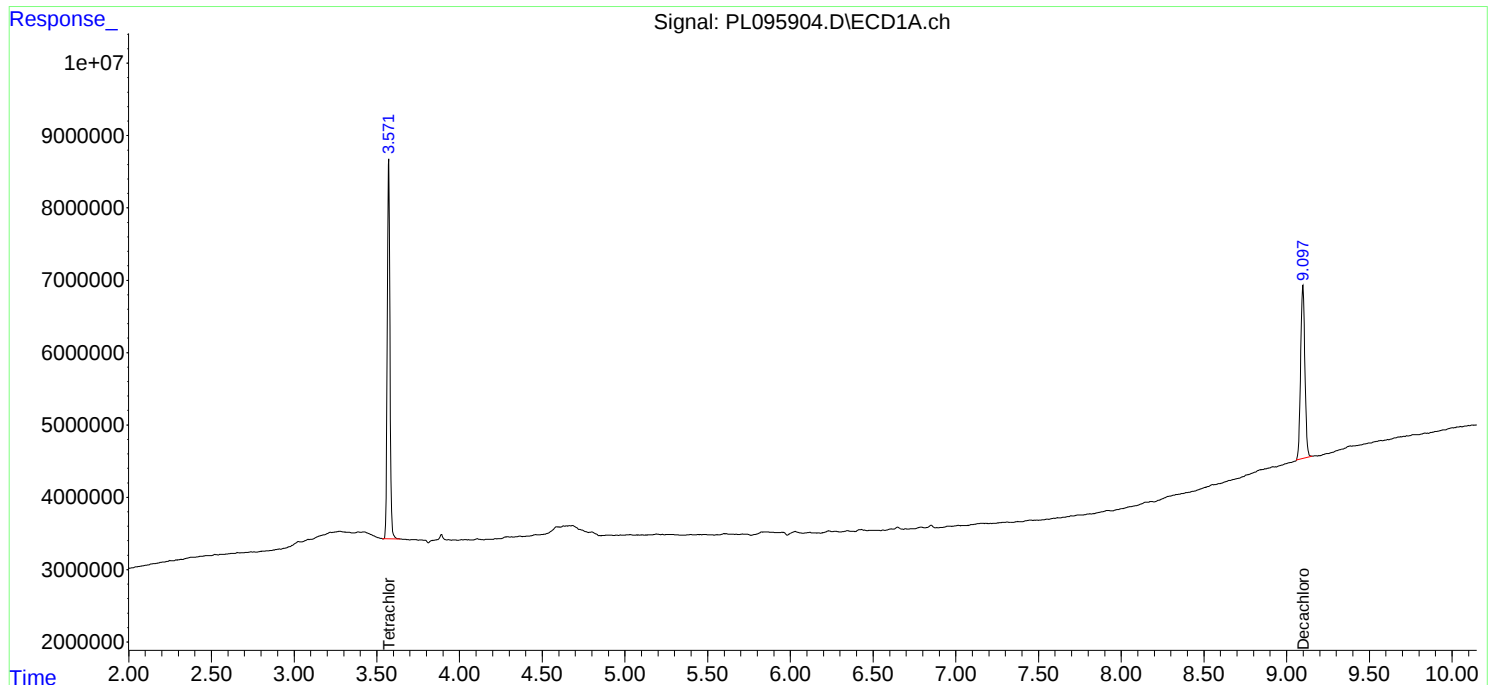
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

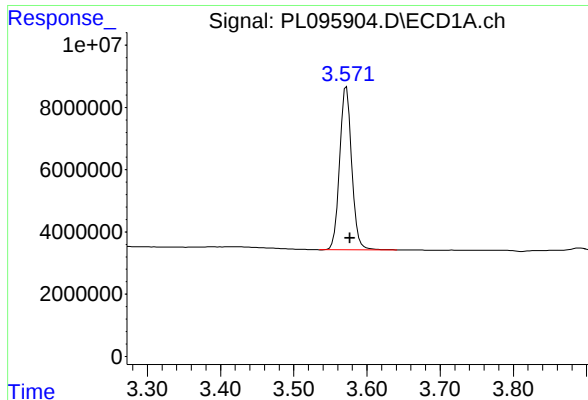
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095904.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 18:38
Operator : AR\AJ
Sample : PB168224TB
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168224TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:40:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

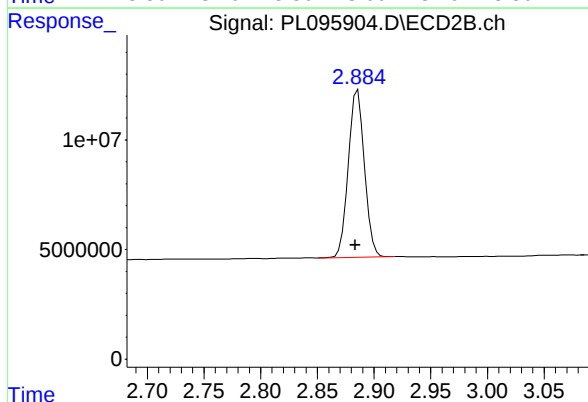




#1 Tetrachloro-m-xylene

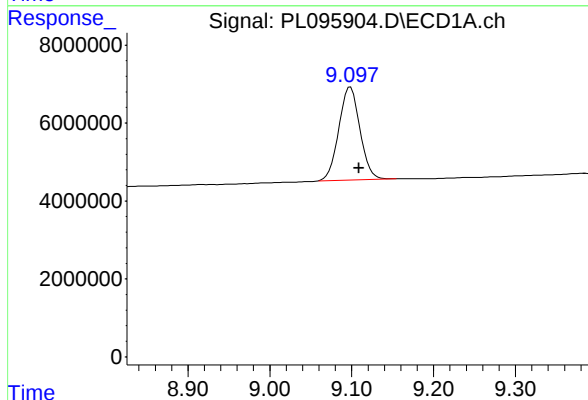
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 59995831
Conc: 19.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168224TB



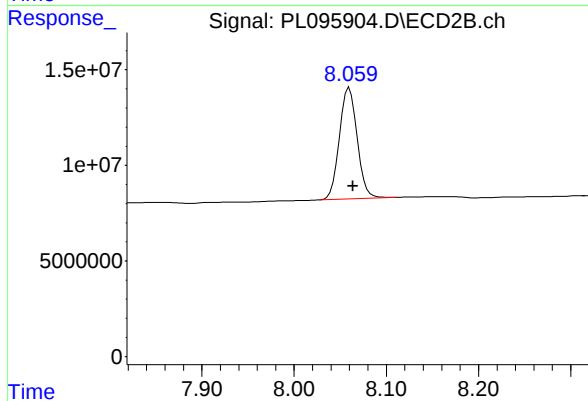
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 75425832
Conc: 19.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.010 min
Response: 42956250
Conc: 18.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 77606935
Conc: 17.74 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-03	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095908.D	1	06/03/25 11:34	06/03/25 19:32	PB168264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.4		30 (57) - 150 (171)	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.6		30 (61) - 150 (148)	113%	SPK: 20

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\PL060325\
 Data File : PL095908.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 19:32
 Operator : AR\AJ
 Sample : Q2177-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 B-187-SB01

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 03:40:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.572	2.885	69565010	88243192	22.047	22.546
28) SA Decachlor...	9.098	8.060	52815067	102.4E6	22.414	23.411

Target Compounds

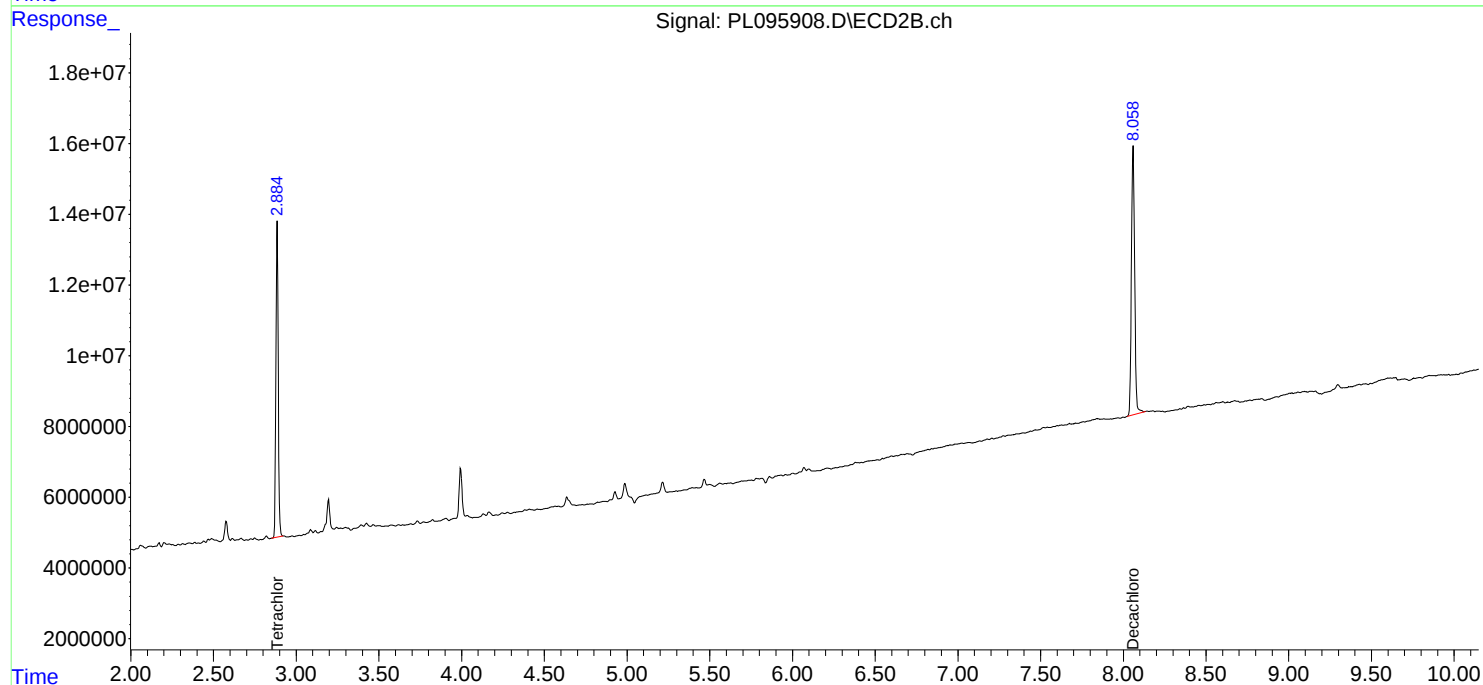
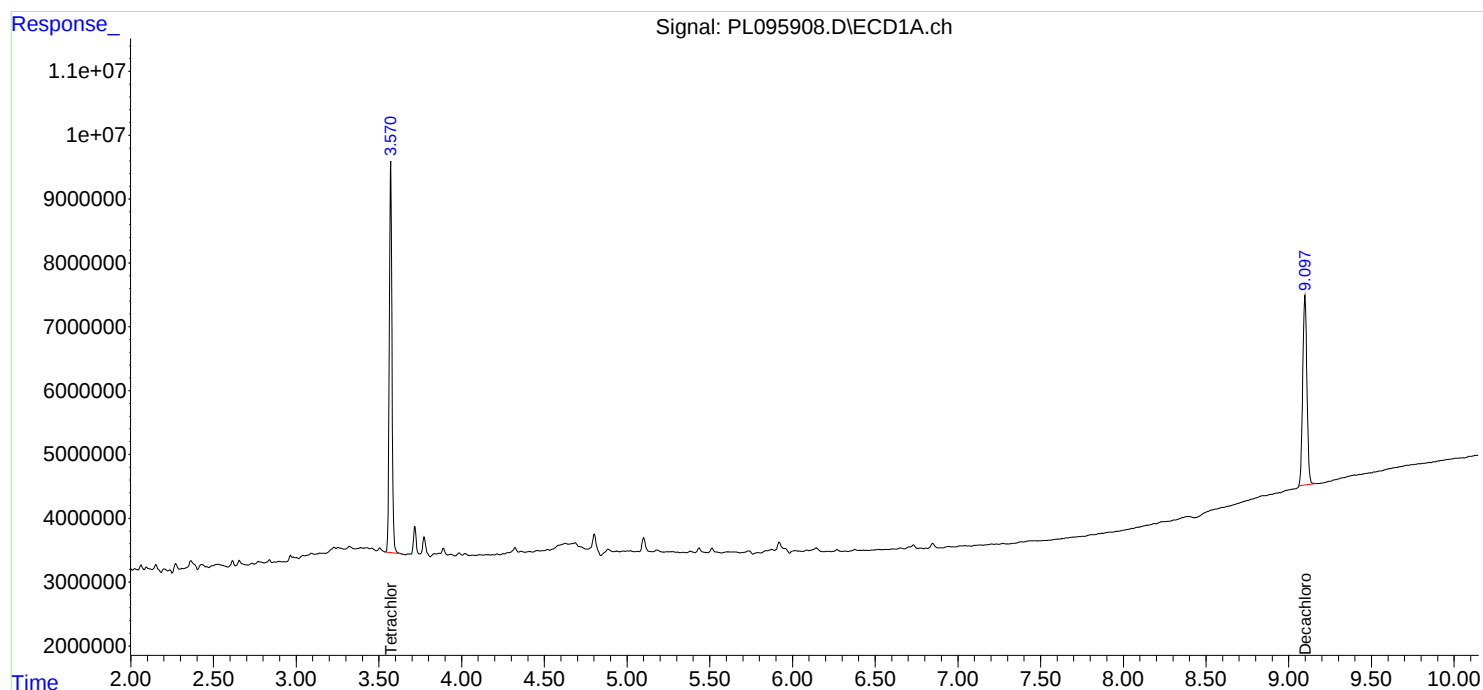
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

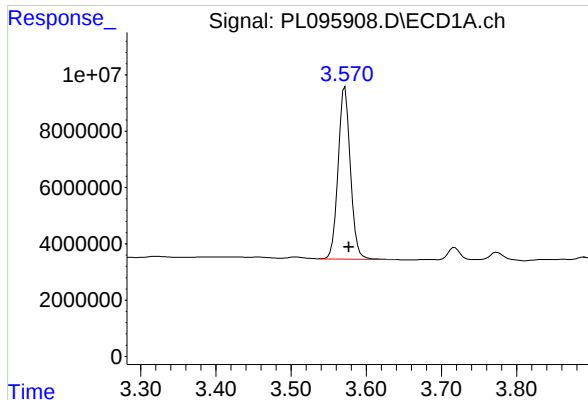
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095908.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:32
Operator : AR\AJ
Sample : Q2177-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
B-187-SB01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:40:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

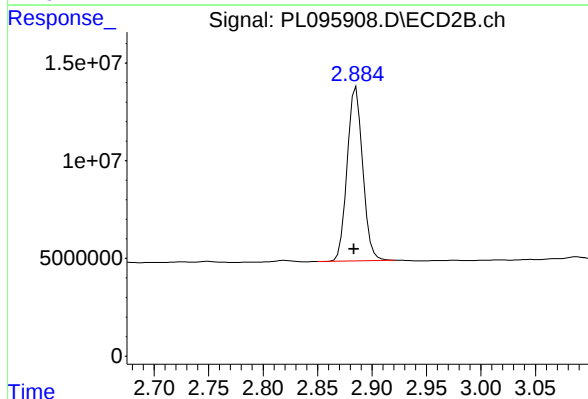




#1 Tetrachloro-m-xylene

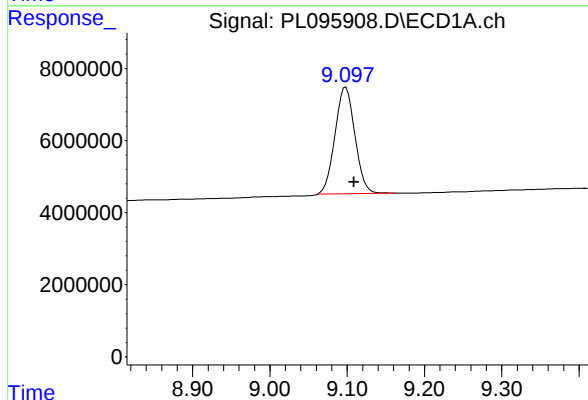
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 69565010
Conc: 22.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
B-187-SB01



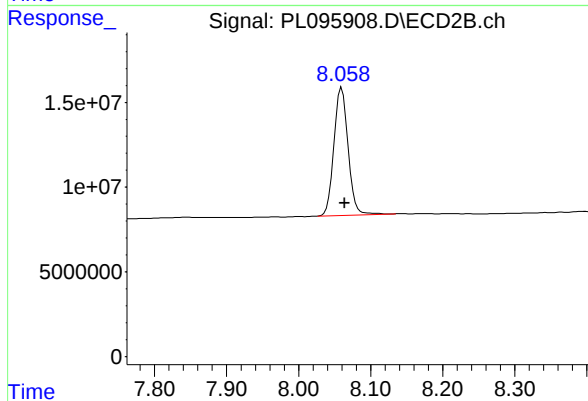
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 88243192
Conc: 22.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.011 min
Response: 52815067
Conc: 22.41 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 102409696
Conc: 23.41 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-05	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095909.D	1	06/03/25 11:34	06/03/25 19:46	PB168264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.6		30 (57) - 150 (171)	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.8		30 (61) - 150 (148)	94%	SPK: 20

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\PL060325\
 Data File : PL095909.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 19:46
 Operator : AR\AJ
 Sample : Q2177-05
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 B-187-SB02

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 03:40:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.573	2.885	58647653	73689880	18.587	18.828
28) SA Decachlor...	9.098	8.060	45123175	85632807	19.150	19.576

Target Compounds

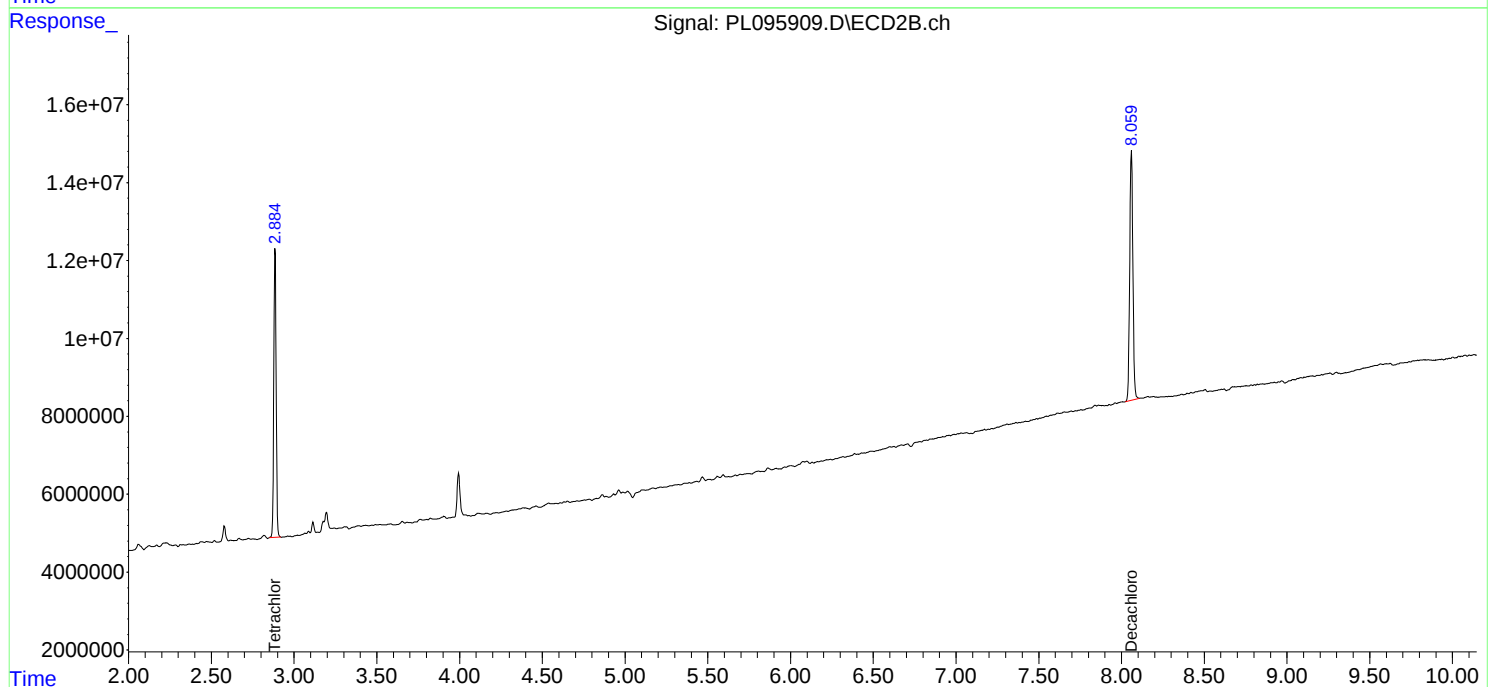
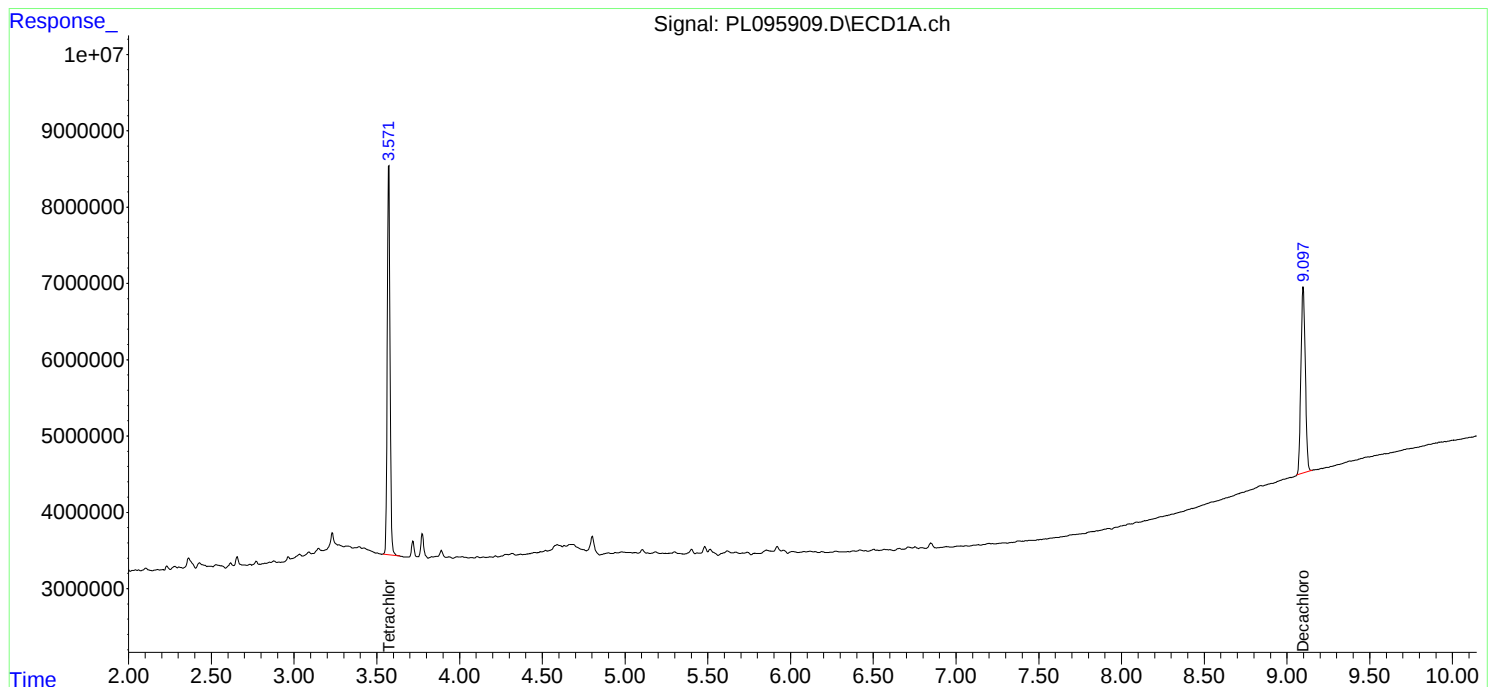
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

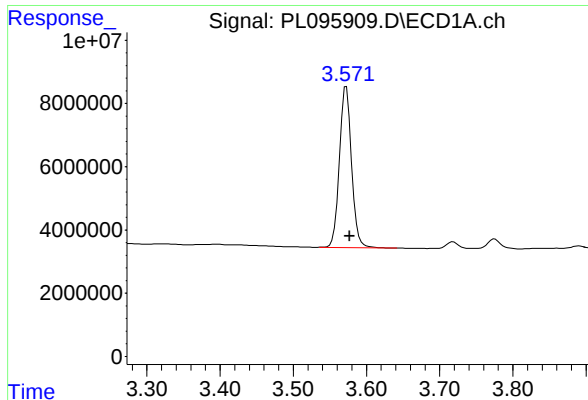
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095909.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:46
Operator : AR\AJ
Sample : Q2177-05
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
B-187-SB02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:40:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

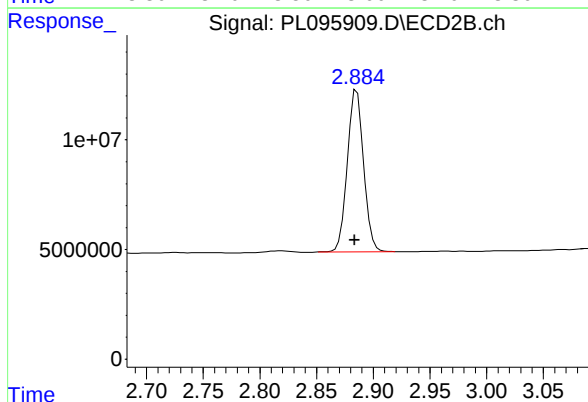




#1 Tetrachloro-m-xylene

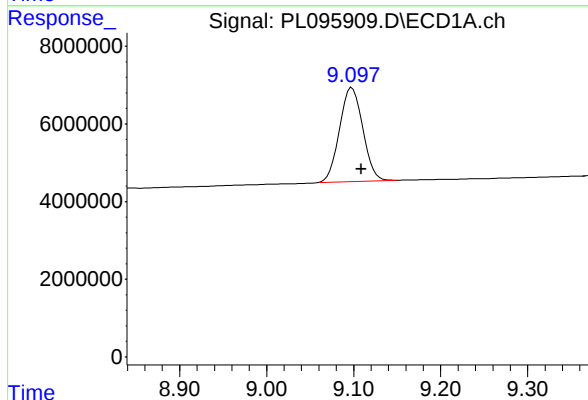
R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 58647653
Conc: 18.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
B-187-SB02



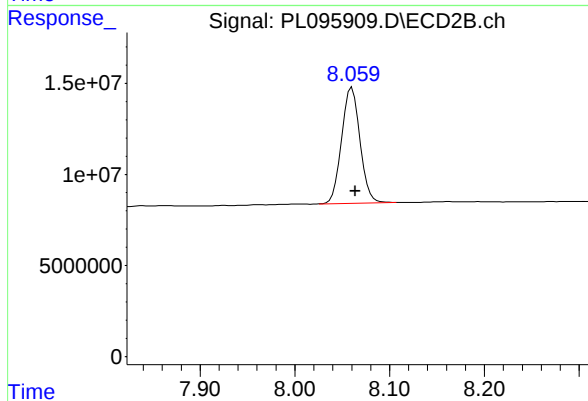
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 73689880
Conc: 18.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.011 min
Response: 45123175
Conc: 19.15 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 85632807
Conc: 19.58 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-07	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095910.D	1	06/03/25 11:34	06/03/25 19:59	PB168264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.4		30 (57) - 150 (171)	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		30 (61) - 150 (148)	93%	SPK: 20

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\PL060325\
 Data File : PL095910.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 19:59
 Operator : AR\AJ
 Sample : Q2177-07
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 B-202-SB01

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/04/2025
 Supervised By : mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 03:40:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.572	2.885	58846542	71932684	18.650	18.379
28) SA Decachlor...	9.097	8.059	43981730	84681385	18.665	19.358
Target Compounds						
13) MA Dieldrin	6.375	5.502	2334101	13197729	0.605m	2.490m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095910.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:59
Operator : AR\AJ
Sample : Q2177-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

B-202-SB01

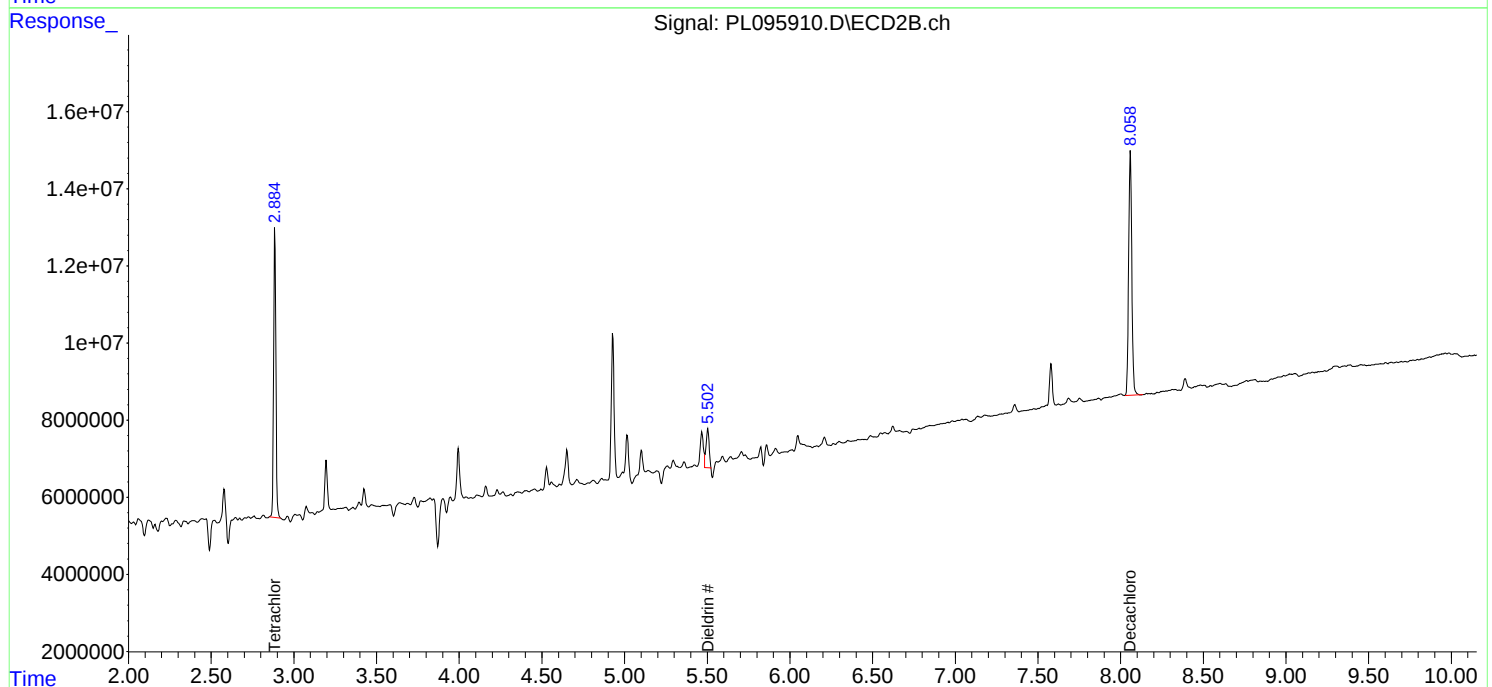
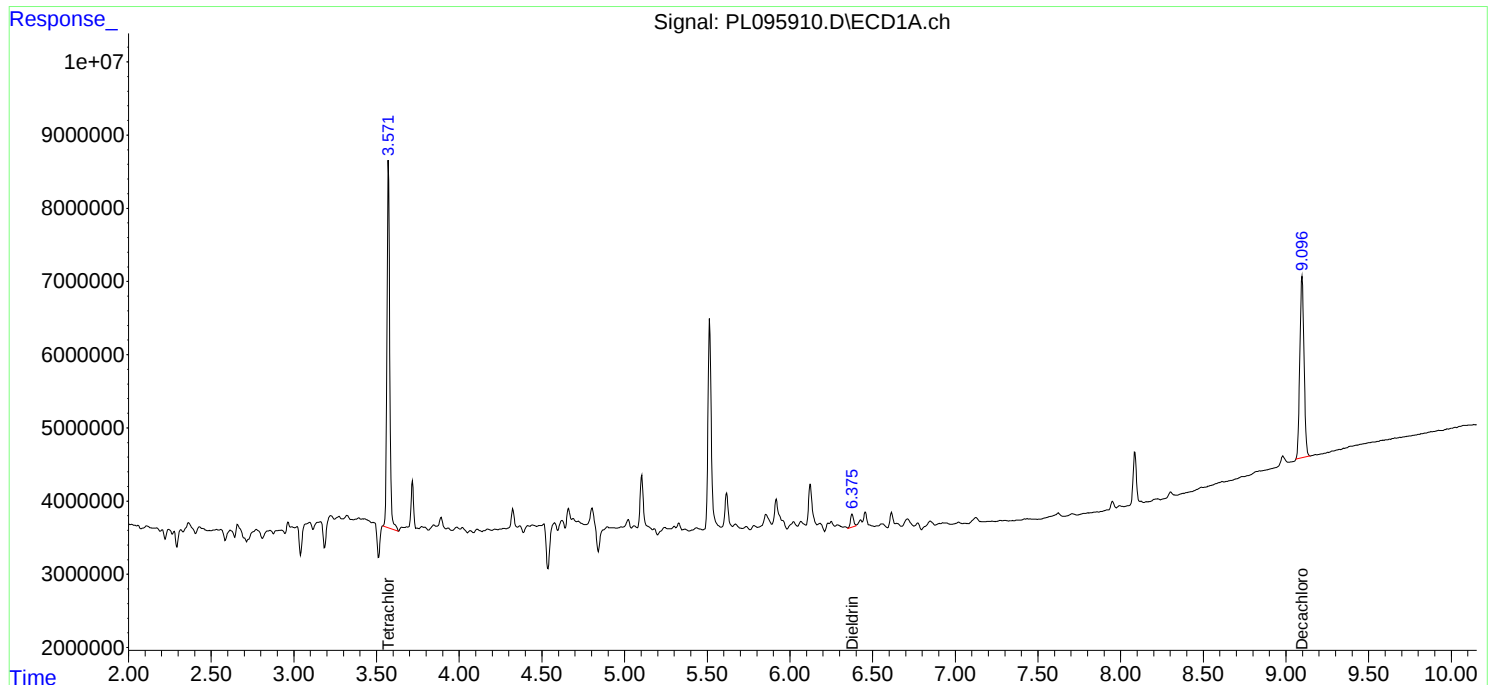
Manual Integrations**APPROVED**

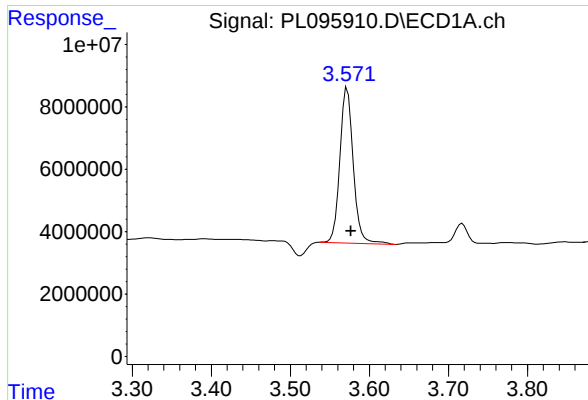
Reviewed By :Abdul Mirza 06/04/2025

Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:40:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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





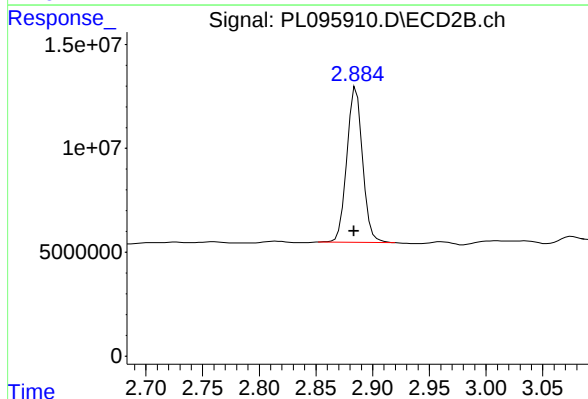
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 58846542
Conc: 18.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
B-202-SB01

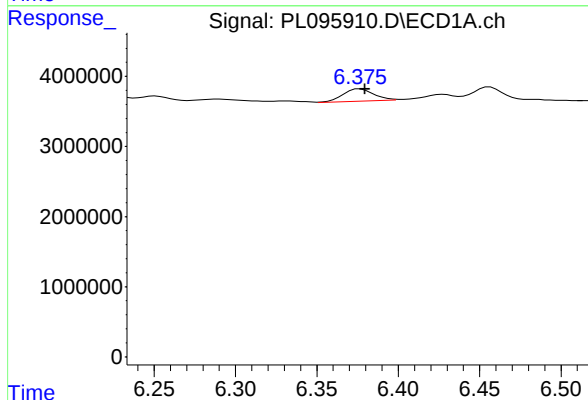
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



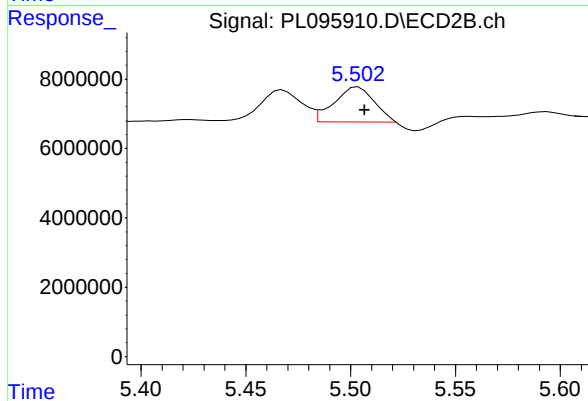
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 71932684
Conc: 18.38 ng/ml



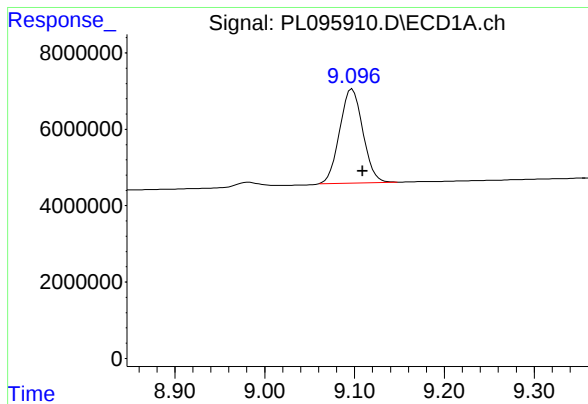
#13 Dieldrin

R.T.: 6.375 min
Delta R.T.: -0.004 min
Response: 2334101
Conc: 0.60 ng/ml m



#13 Dieldrin

R.T.: 5.502 min
Delta R.T.: -0.004 min
Response: 13197729
Conc: 2.49 ng/ml m



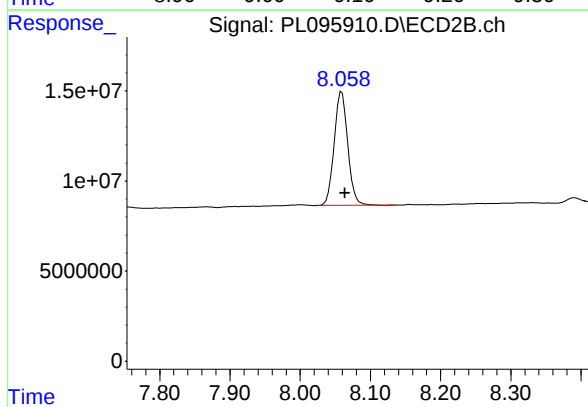
#28 Decachlorobiphenyl

R.T.: 9.097 min
Delta R.T.: -0.012 min
Response: 43981730
Conc: 18.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
B-202-SB01

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 84681385
Conc: 19.36 ng/ml



CALIBRATION SUMMARY

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

[illegible]



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Instrument ID: ECD_L

Calibration Date(s): 05/21/2025 05/21/2025

Calibration Times: 11:35 12:29

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

LAB FILE ID:		CF 100 =	<u>PL095735.D</u>	CF 075 =	<u>PL095736.D</u>		
CF 050 =	<u>PL095737.D</u>	CF 025 =	<u>PL095738.D</u>	CF 005 =	<u>PL095739.D</u>		
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	2296450000	2273040000	2304350000	2354860000	2552990000	2356340000	5
Endrin	3186950000	3188700000	3185310000	3116310000	3456510000	3226750000	4
gamma-BHC (Lindane)	4588190000	4447360000	4400770000	4245410000	4677520000	4471850000	4
Heptachlor	3804040000	3718580000	3721520000	3622900000	4058170000	3785040000	4
Heptachlor epoxide	3727710000	3692000000	3731080000	3682110000	4251420000	3816860000	6
Methoxychlor	1252650000	1237700000	1261470000	1251380000	1373430000	1275330000	4
Tetrachloro-m-xylene	3099670000	3048860000	3065820000	3062420000	3499570000	3155270000	6



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Instrument ID: ECD_L

Calibration Date(s): 05/21/2025 05/21/2025

Calibration Times: 11:35 12:29

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

LAB FILE ID:		CF 100 =	<u>PL095735.D</u>	CF 075 =	<u>PL095736.D</u>		
CF 050 =	<u>PL095737.D</u>	CF 025 =	<u>PL095738.D</u>	CF 005 =	<u>PL095739.D</u>		
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	4307130000	4293010000	4424120000	4407270000	4440750000	4374460000	2
Endrin	4781360000	4775420000	4841120000	4733510000	5249090000	4876100000	4
gamma-BHC (Lindane)	5738840000	5640150000	5652210000	5354130000	5620800000	5601220000	3
Heptachlor	5660130000	5568750000	5611780000	5421260000	5783370000	5609060000	2
Heptachlor epoxide	4854250000	4848530000	4943810000	4810760000	5229780000	4937430000	3
Methoxychlor	2503630000	2513740000	2592490000	2627630000	2843040000	2616110000	5
Tetrachloro-m-xylene	3908270000	3796990000	3846980000	3798040000	4219390000	3913940000	5



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Instrument ID: ECD_L Date(s) Analyzed: 05/21/2025 05/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	4.74	4.64	4.84	175163000
		2	5.27	5.17	5.37	186705000
		3	5.97	5.87	6.07	729383000
		4	6.06	5.96	6.16	887825000
		5	6.90	6.80	7.00	133478000
Toxaphene	500	1	5.88	5.78	5.98	11156600
		2	6.27	6.17	6.37	26557800
		3	7.09	6.99	7.19	93865100
		4	7.18	7.08	7.28	65544600
		5	7.96	7.86	8.06	45659000



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Instrument ID: ECD_L Date(s) Analyzed: 05/21/2025 05/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	3.91	3.81	4.01	190212000
		2	4.49	4.39	4.59	216767000
		3	5.12	5.02	5.22	652504000
		4	5.19	5.09	5.29	564939000
		5	6.08	5.98	6.18	249456000
Toxaphene	500	1	5.15	5.05	5.25	30765000
		2	5.83	5.73	5.93	34678400
		3	6.11	6.01	6.21	36071200
		4	6.75	6.65	6.85	117492000
		5	7.19	7.09	7.29	80236600

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
 Data File : PL095735.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 11:35
 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: May 22 06:17:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:14:04 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...	3.577	2.883	310.0E6	390.8E6	101.104	101.593
28)	SA Decachlor...	9.109	8.064	229.6E6	430.7E6	99.657	97.356
Target Compounds							
2)	A alpha-BHC	4.029	3.394	505.5E6	612.0E6	105.318	102.748
3)	MA gamma-BHC...	4.361	3.728	458.8E6	573.9E6	104.259	101.533
4)	MA Heptachlor	4.959	4.081	380.4E6	566.0E6	102.217	100.862
5)	MB Aldrin	5.302	4.366	434.7E6	541.3E6	103.228	101.008
6)	B beta-BHC	4.549	4.024	191.1E6	243.4E6	99.012	98.480
7)	B delta-BHC	4.797	4.259	451.0E6	585.6E6	102.883	102.725
8)	B Heptachlo...	5.722	4.869	372.8E6	485.4E6	99.910	98.188
9)	A Endosulfan I	6.106	5.242	362.5E6	473.1E6	100.877	99.229
10)	B gamma-Chl...	5.977	5.122	394.6E6	530.1E6	102.630	101.298
11)	B alpha-Chl...	6.059	5.186	393.6E6	521.2E6	101.710	100.823
12)	B 4,4'-DDE	6.229	5.373	375.4E6	532.8E6	103.357	99.724
13)	MA Dieldrin	6.379	5.507	390.4E6	531.3E6	102.363	100.311
14)	MA Endrin	6.607	5.782	318.7E6	478.1E6	100.051	98.766
15)	B Endosulfa...	6.820	6.073	331.4E6	468.7E6	99.648	99.267
16)	A 4,4'-DDD	6.739	5.926	302.9E6	444.6E6	104.792	100.935
17)	MA 4,4'-DDT	7.054	6.179	271.3E6	483.4E6	102.347	100.596
18)	B Endrin al...	6.949	6.251	235.6E6	335.3E6	99.611	98.095
19)	B Endosulfa...	7.183	6.474	292.5E6	439.6E6	99.963	98.232
20)	A Methoxychlor	7.528	6.750	125.3E6	250.4E6	99.301	96.572
21)	B Endrin ke...	7.664	6.979	317.9E6	502.6E6	101.384	97.331
22)	Mirex	8.145	7.173	223.9E6	385.9E6	98.516	96.713

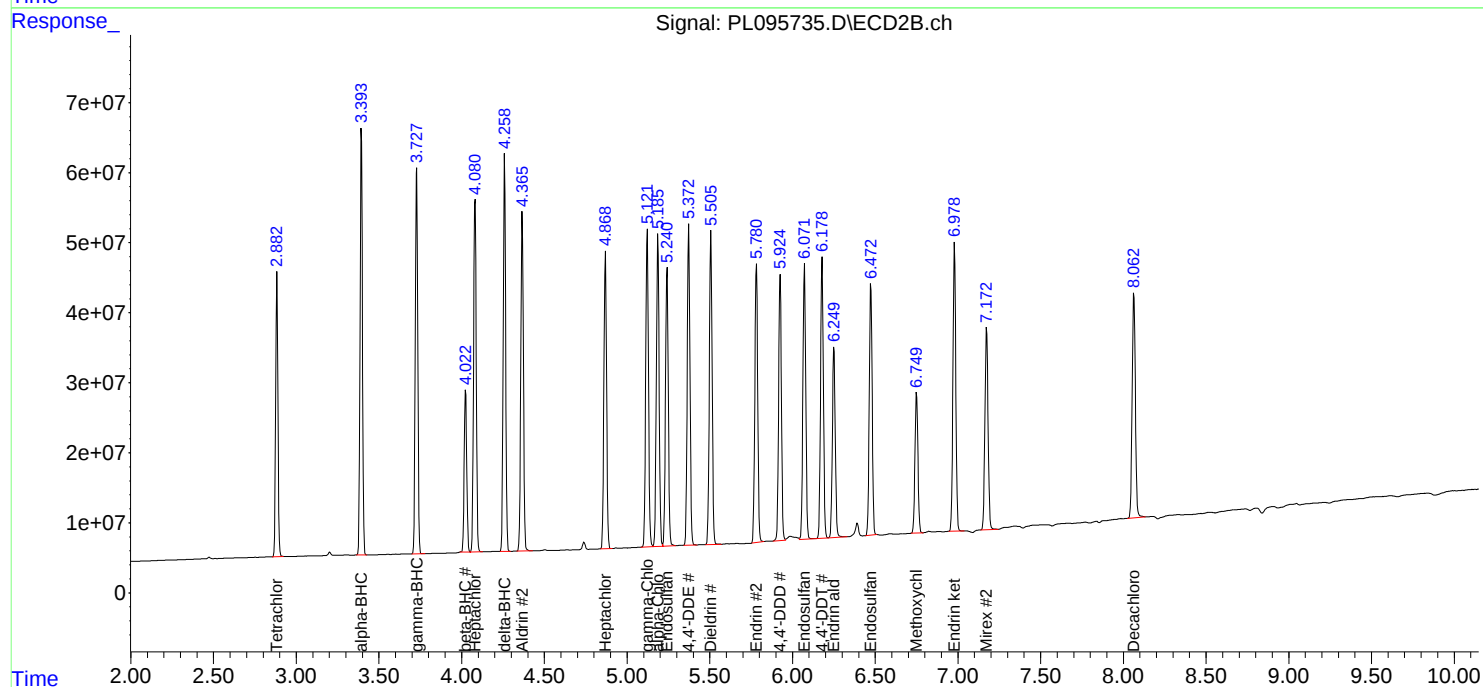
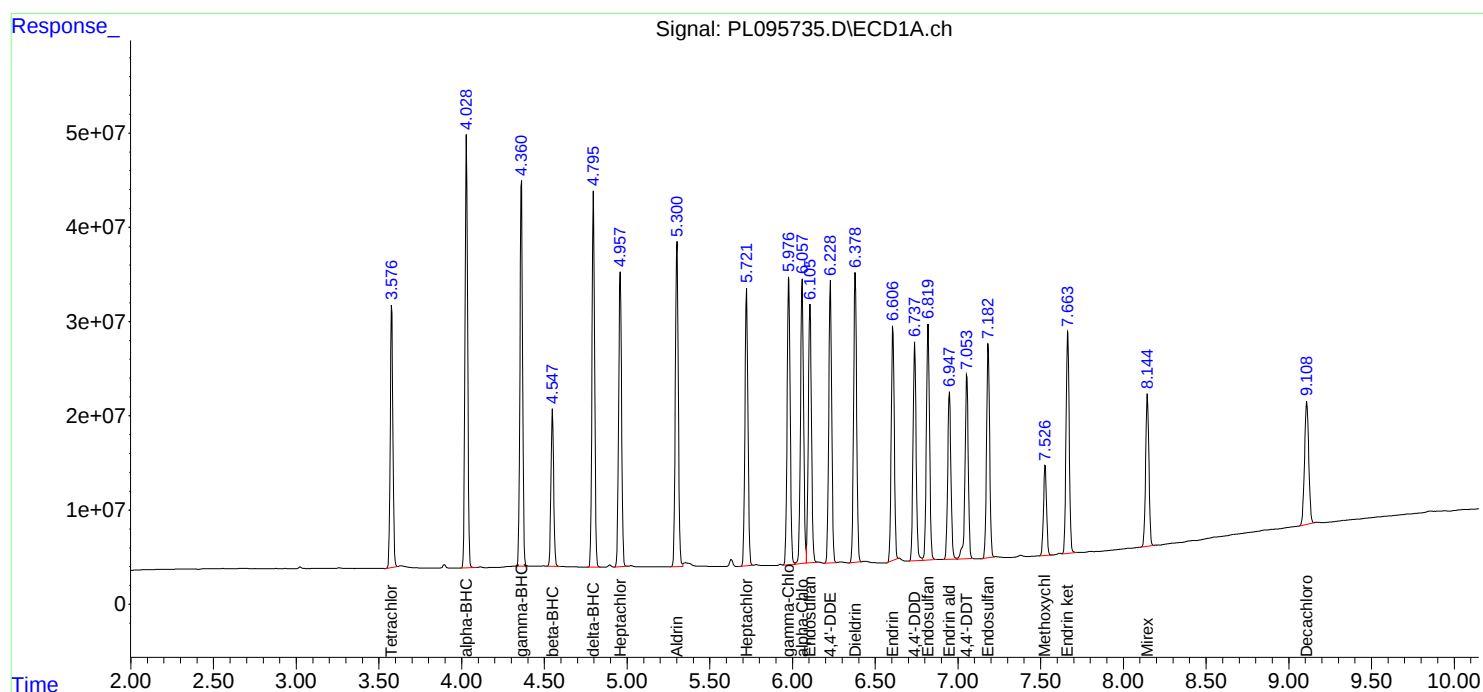
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

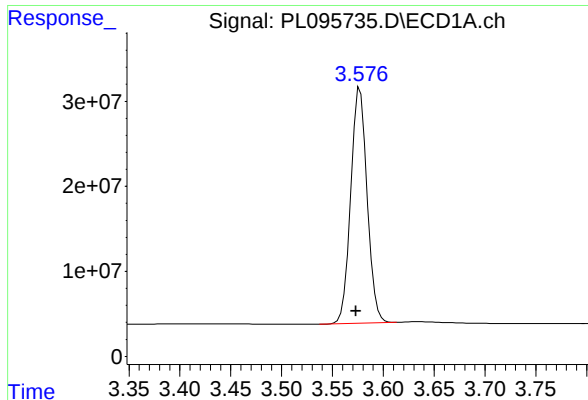
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095735.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 11:35
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:17:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:14:04 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

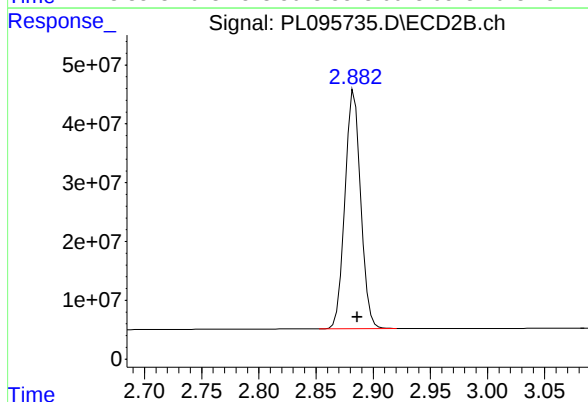




#1 Tetrachloro-m-xylene

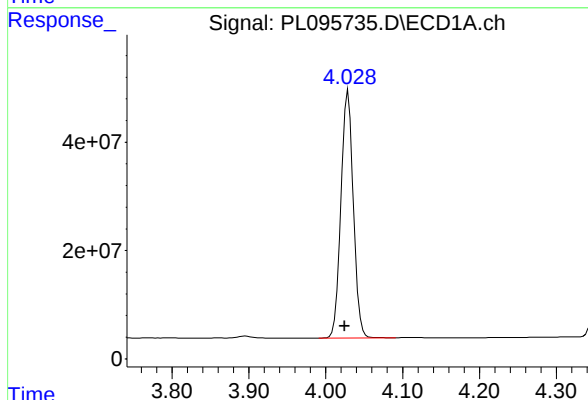
R.T.: 3.577 min
Delta R.T.: 0.004 min
Response: 309967135
Conc: 101.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



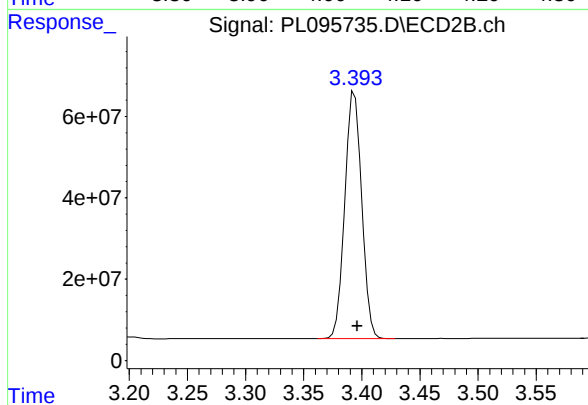
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: -0.003 min
Response: 390827148
Conc: 101.59 ng/ml



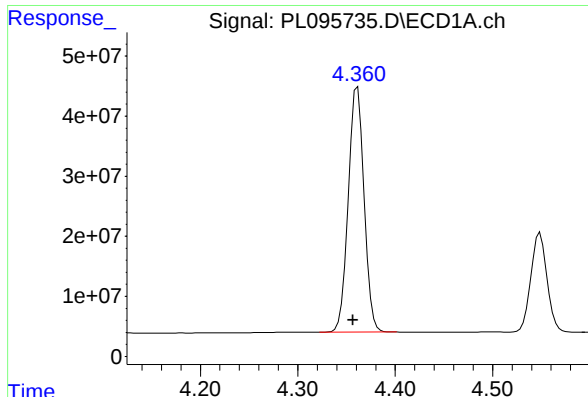
#2 alpha-BHC

R.T.: 4.029 min
Delta R.T.: 0.004 min
Response: 505514453
Conc: 105.32 ng/ml



#2 alpha-BHC

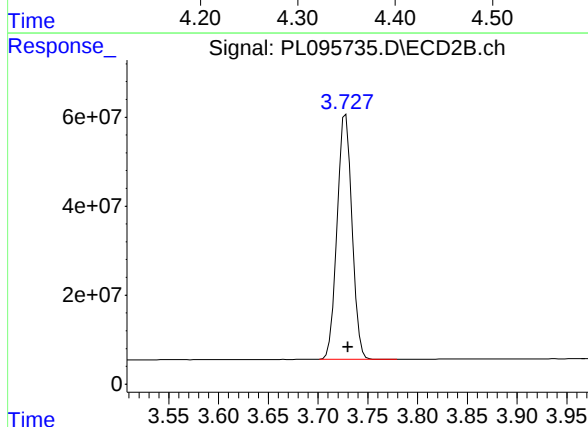
R.T.: 3.394 min
Delta R.T.: -0.002 min
Response: 612037541
Conc: 102.75 ng/ml



#3 gamma-BHC (Lindane)

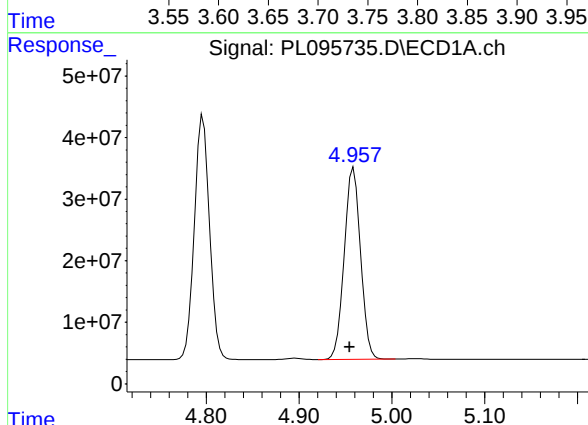
R.T.: 4.361 min
Delta R.T.: 0.005 min
Response: 458819255
Conc: 104.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



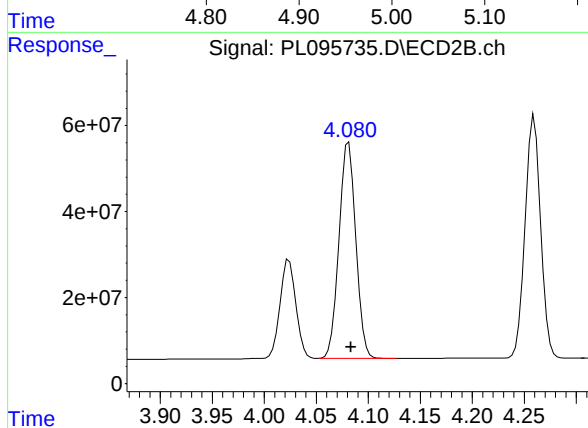
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.002 min
Response: 573883592
Conc: 101.53 ng/ml



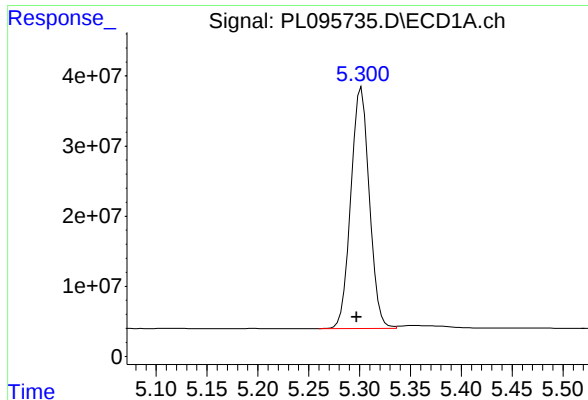
#4 Heptachlor

R.T.: 4.959 min
Delta R.T.: 0.004 min
Response: 380403769
Conc: 102.22 ng/ml



#4 Heptachlor

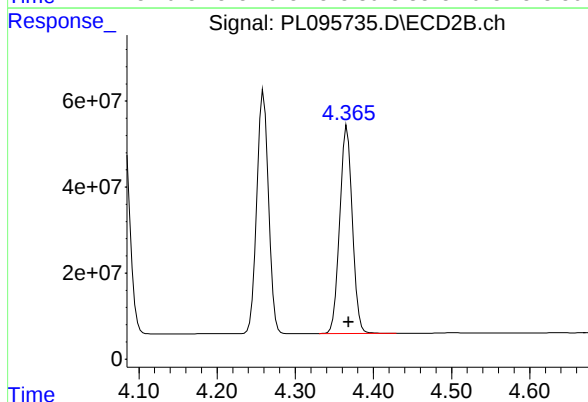
R.T.: 4.081 min
Delta R.T.: -0.002 min
Response: 566013076
Conc: 100.86 ng/ml



#5 Aldrin

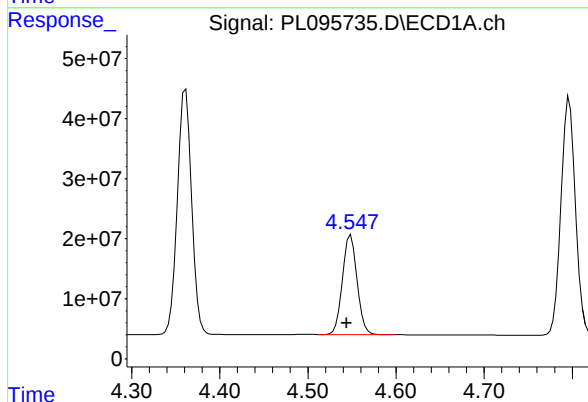
R.T.: 5.302 min
Delta R.T.: 0.005 min
Response: 434711407
Conc: 103.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



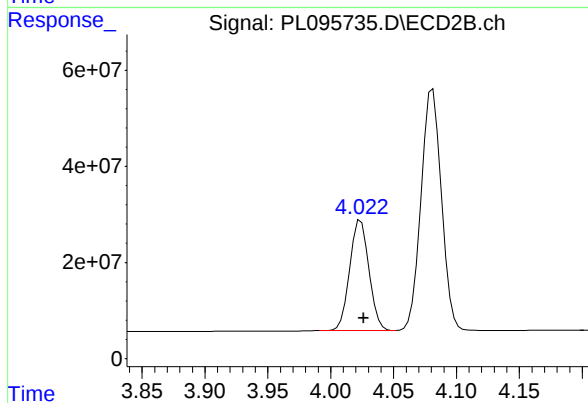
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: -0.002 min
Response: 541326673
Conc: 101.01 ng/ml



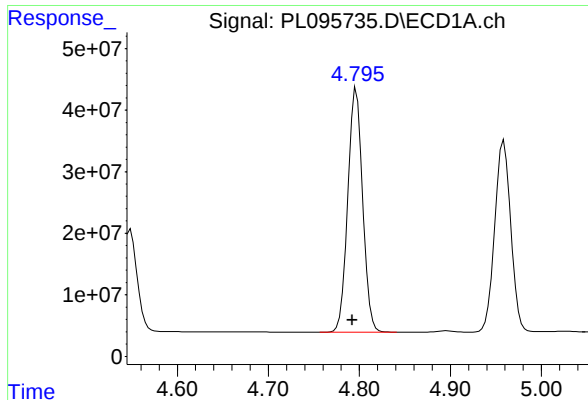
#6 beta-BHC

R.T.: 4.549 min
Delta R.T.: 0.005 min
Response: 191114454
Conc: 99.01 ng/ml



#6 beta-BHC

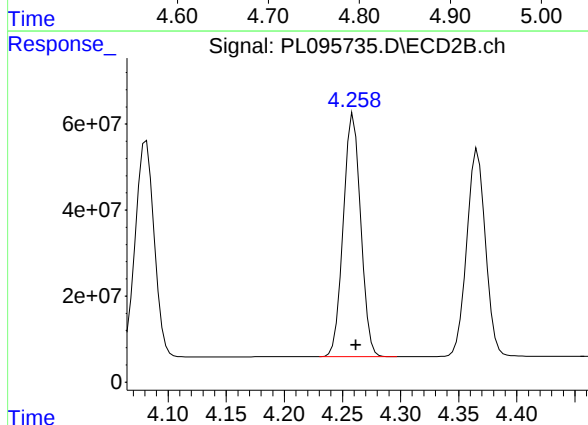
R.T.: 4.024 min
Delta R.T.: -0.002 min
Response: 243373888
Conc: 98.48 ng/ml



#7 delta-BHC

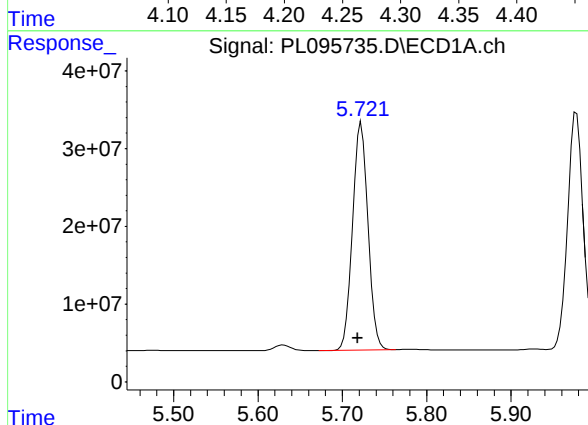
R.T.: 4.797 min
Delta R.T.: 0.004 min
Response: 451035540
Conc: 102.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



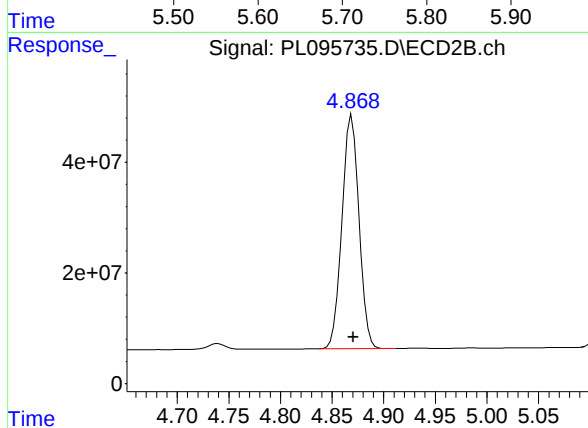
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: -0.002 min
Response: 585557302
Conc: 102.72 ng/ml



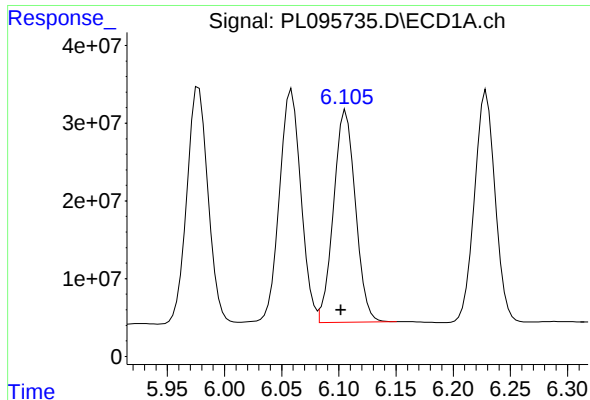
#8 Heptachlor epoxide

R.T.: 5.722 min
Delta R.T.: 0.004 min
Response: 372771177
Conc: 99.91 ng/ml



#8 Heptachlor epoxide

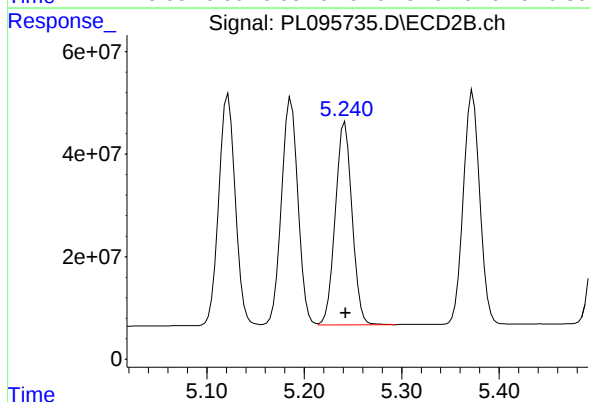
R.T.: 4.869 min
Delta R.T.: -0.001 min
Response: 485424902
Conc: 98.19 ng/ml



#9 Endosulfan I

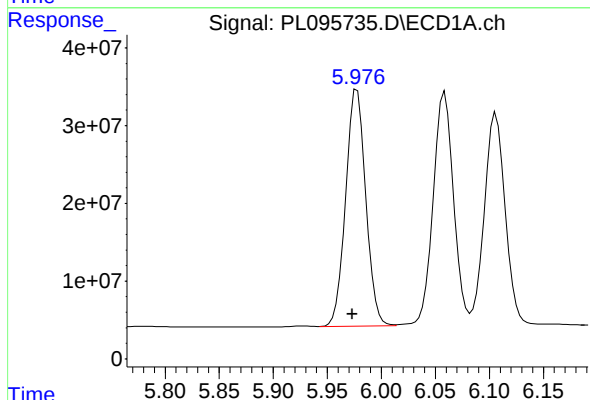
R.T.: 6.106 min
Delta R.T.: 0.004 min
Response: 362547891
Conc: 100.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



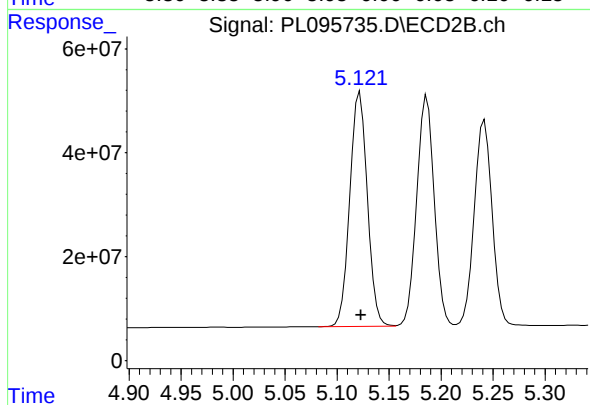
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 473097596
Conc: 99.23 ng/ml



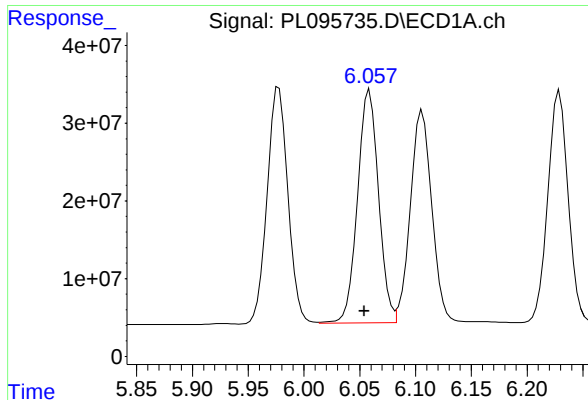
#10 gamma-Chlordane

R.T.: 5.977 min
Delta R.T.: 0.004 min
Response: 394642257
Conc: 102.63 ng/ml



#10 gamma-Chlordane

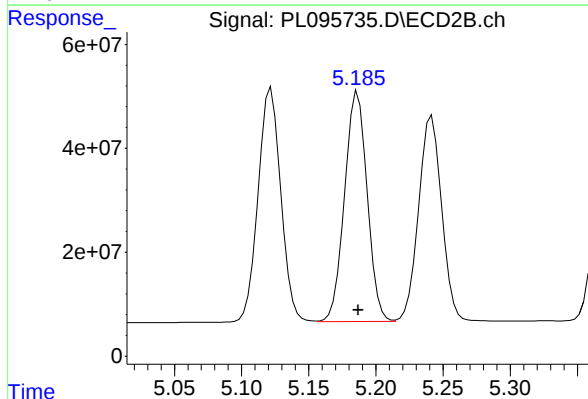
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 530081890
Conc: 101.30 ng/ml



#11 alpha-Chlordane

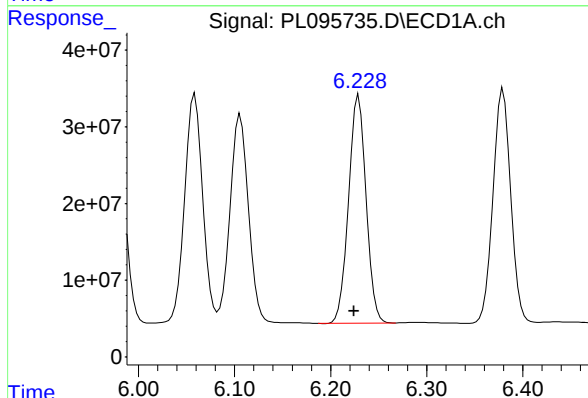
R.T.: 6.059 min
Delta R.T.: 0.005 min
Response: 393609484
Conc: 101.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



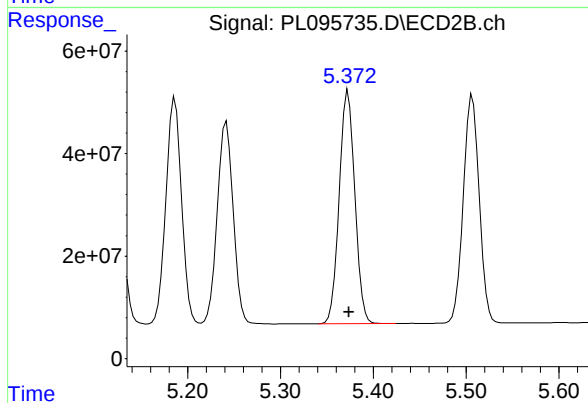
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 521218298
Conc: 100.82 ng/ml



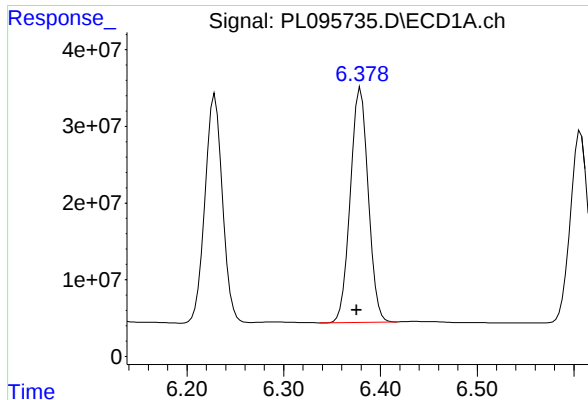
#12 4,4'-DDE

R.T.: 6.229 min
Delta R.T.: 0.005 min
Response: 375361734
Conc: 103.36 ng/ml



#12 4,4'-DDE

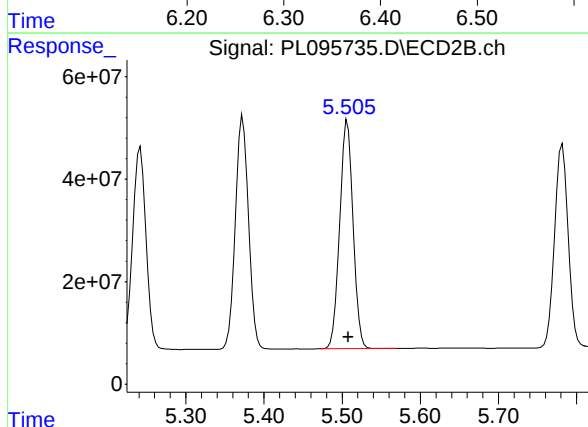
R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 532820175
Conc: 99.72 ng/ml



#13 Dieldrin

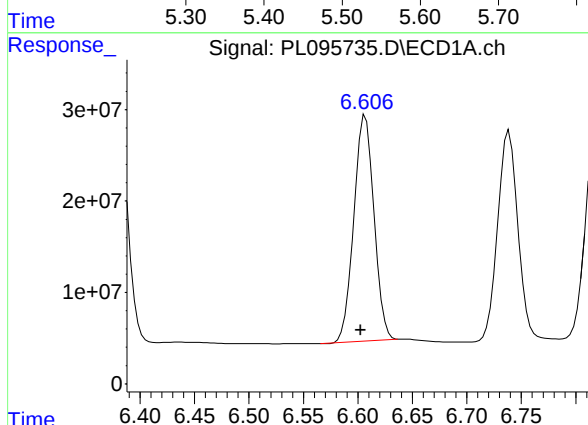
R.T.: 6.379 min
Delta R.T.: 0.004 min
Response: 390395480
Conc: 102.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



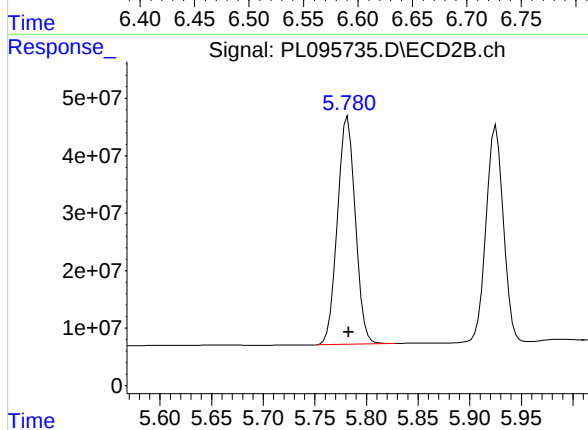
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 531298638
Conc: 100.31 ng/ml



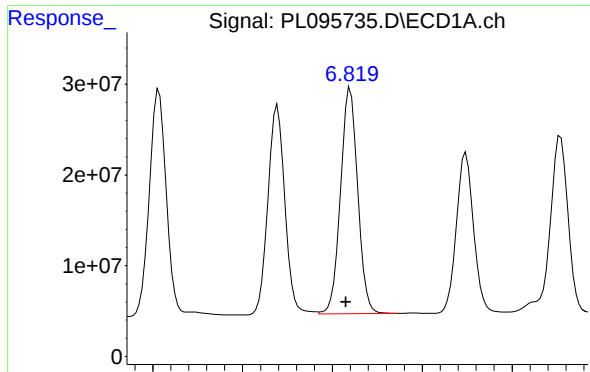
#14 Endrin

R.T.: 6.607 min
Delta R.T.: 0.005 min
Response: 318694523
Conc: 100.05 ng/ml



#14 Endrin

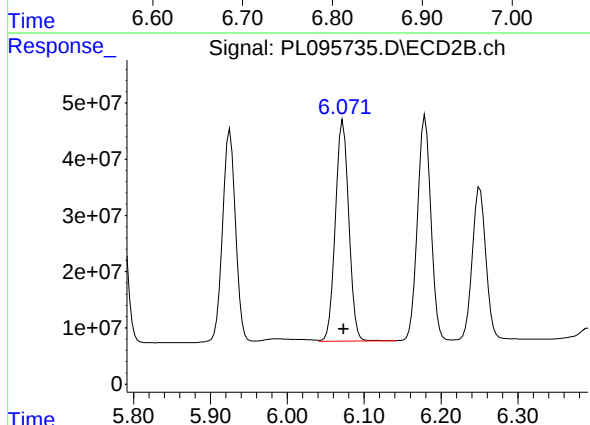
R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 478136475
Conc: 98.77 ng/ml



#15 Endosulfan II

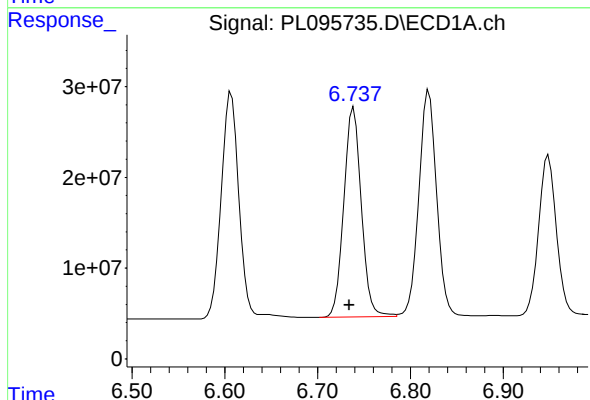
R.T.: 6.820 min
Delta R.T.: 0.005 min
Response: 331382885
Conc: 99.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



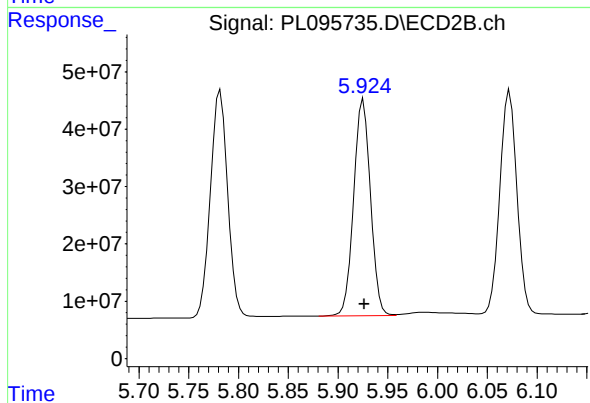
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 468726407
Conc: 99.27 ng/ml



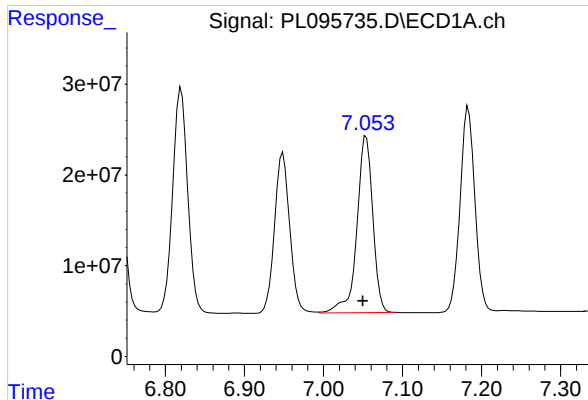
#16 4,4'-DDD

R.T.: 6.739 min
Delta R.T.: 0.004 min
Response: 302917352
Conc: 104.79 ng/ml



#16 4,4'-DDD

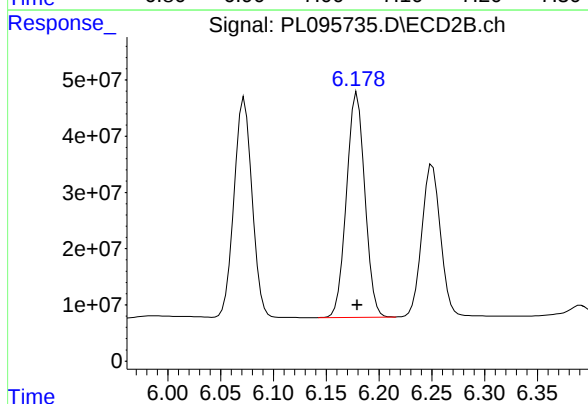
R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 444557983
Conc: 100.94 ng/ml



#17 4,4'-DDT

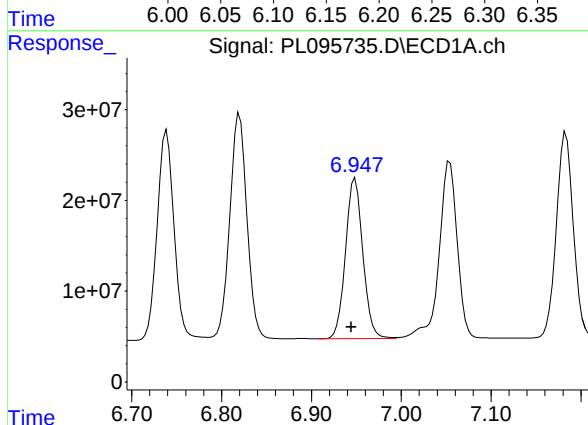
R.T.: 7.054 min
Delta R.T.: 0.004 min
Response: 271282896
Conc: 102.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



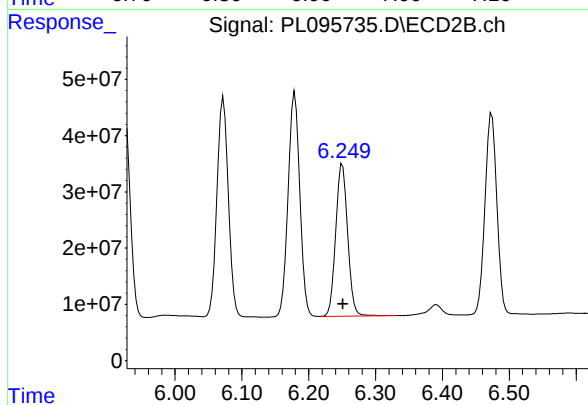
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 483436918
Conc: 100.60 ng/ml



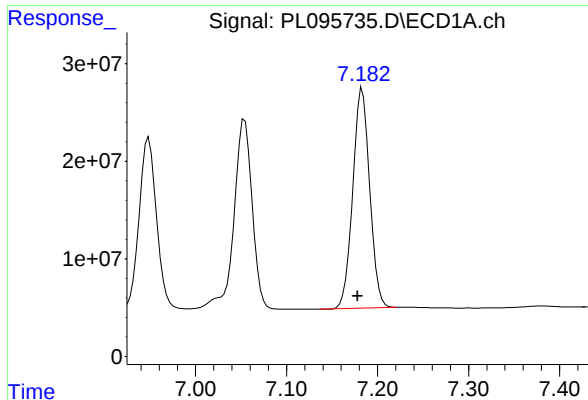
#18 Endrin aldehyde

R.T.: 6.949 min
Delta R.T.: 0.004 min
Response: 235648707
Conc: 99.61 ng/ml



#18 Endrin aldehyde

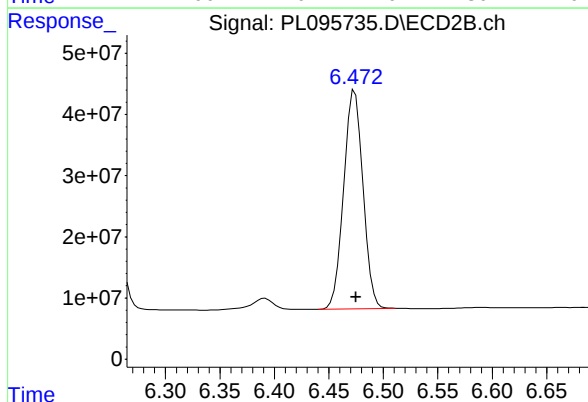
R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 335299519
Conc: 98.10 ng/ml



#19 Endosulfan Sulfate

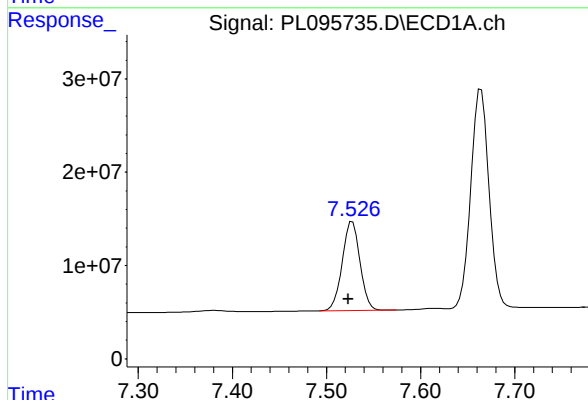
R.T.: 7.183 min
Delta R.T.: 0.005 min
Response: 292546886
Conc: 99.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



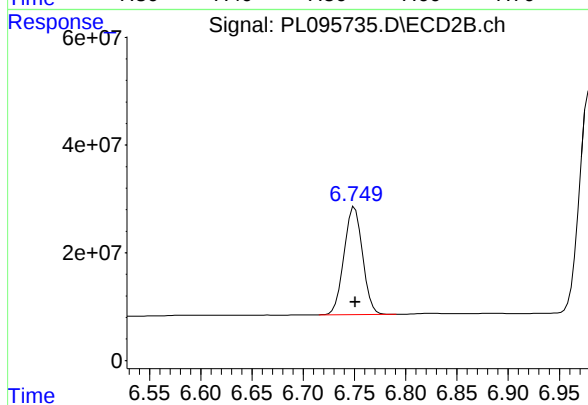
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 439605159
Conc: 98.23 ng/ml



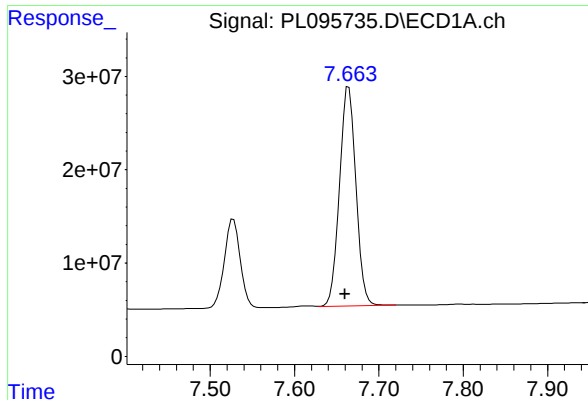
#20 Methoxychlor

R.T.: 7.528 min
Delta R.T.: 0.004 min
Response: 125265219
Conc: 99.30 ng/ml



#20 Methoxychlor

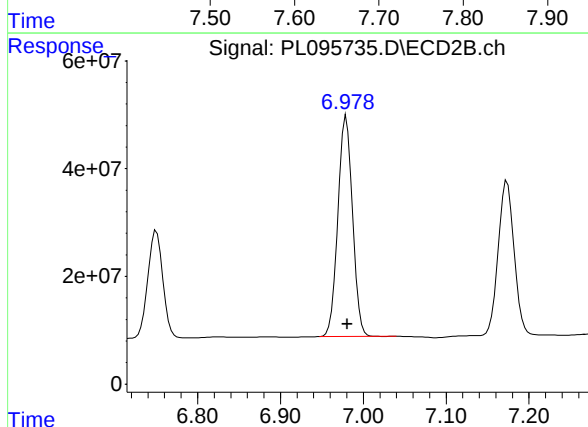
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 250363134
Conc: 96.57 ng/ml



#21 Endrin ketone

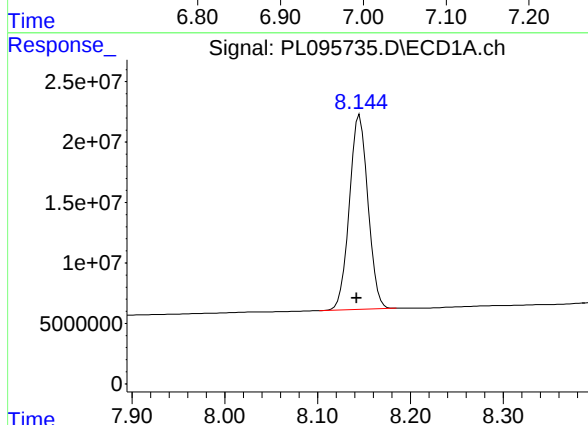
R.T.: 7.664 min
Delta R.T.: 0.004 min
Response: 317929336
Conc: 101.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



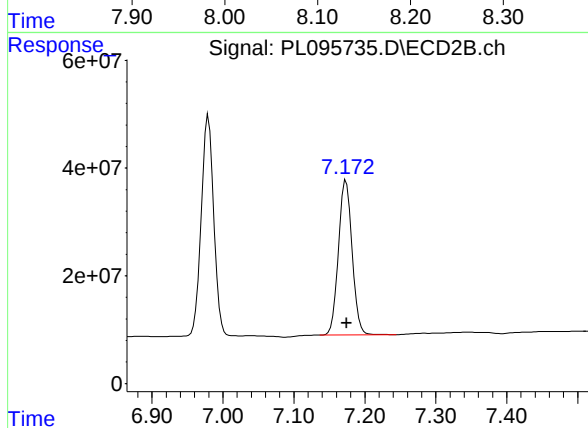
#21 Endrin ketone

R.T.: 6.979 min
Delta R.T.: 0.000 min
Response: 502556049
Conc: 97.33 ng/ml



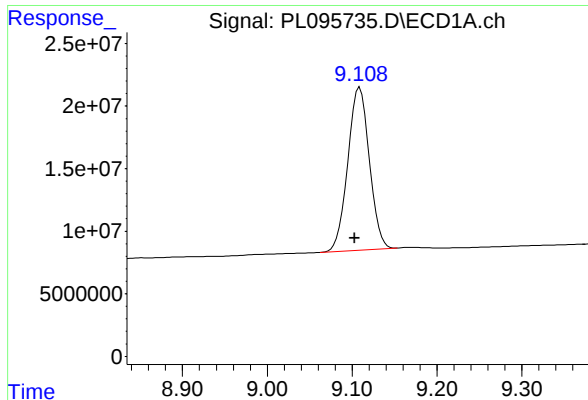
#22 Mirex

R.T.: 8.145 min
Delta R.T.: 0.004 min
Response: 223856207
Conc: 98.52 ng/ml



#22 Mirex

R.T.: 7.173 min
Delta R.T.: 0.000 min
Response: 385850057
Conc: 96.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.109 min

Delta R.T.: 0.006 min

Response: 229644742

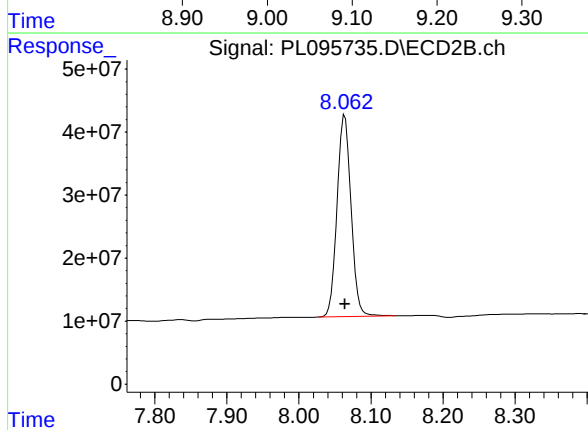
Conc: 99.66 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDICC100



#28 Decachlorobiphenyl

R.T.: 8.064 min

Delta R.T.: 0.000 min

Response: 430712606

Conc: 97.36 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
 Data File : PL095736.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 11:48
 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: May 22 06:17:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:14:04 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...	3.573	2.886	228.7E6	284.8E6	74.585	74.025
28)	SA Decachlor...	9.103	8.063	170.5E6	322.0E6	73.981	72.777
Target Compounds							
2)	A alpha-BHC	4.025	3.396	366.5E6	448.9E6	76.363	75.354
3)	MA gamma-BHC...	4.356	3.730	333.6E6	423.0E6	75.794	74.840
4)	MA Heptachlor	4.954	4.083	278.9E6	417.7E6	74.941	74.425
5)	MB Aldrin	5.297	4.368	315.9E6	400.3E6	75.004	74.694
6)	B beta-BHC	4.544	4.026	141.9E6	182.3E6	73.540	73.781
7)	B delta-BHC	4.792	4.261	331.4E6	428.3E6	75.590	75.135
8)	B Heptachlo...	5.718	4.870	276.9E6	363.6E6	74.214	73.555
9)	A Endosulfan I	6.102	5.242	267.9E6	353.1E6	74.536	74.065
10)	B gamma-Chl...	5.973	5.123	288.9E6	390.2E6	75.136	74.565
11)	B alpha-Chl...	6.054	5.187	289.3E6	383.8E6	74.752	74.247
12)	B 4,4'-DDE	6.224	5.374	274.4E6	396.5E6	75.549	74.209
13)	MA Dieldrin	6.375	5.507	286.0E6	394.3E6	74.984	74.437
14)	MA Endrin	6.603	5.782	239.2E6	358.2E6	75.080	73.982
15)	B Endosulfa...	6.815	6.073	244.2E6	348.3E6	73.435	73.771
16)	A 4,4'-DDD	6.735	5.926	217.3E6	327.5E6	75.189	74.362
17)	MA 4,4'-DDT	7.050	6.179	199.1E6	357.7E6	75.106	74.424
18)	B Endrin al...	6.944	6.251	174.3E6	250.7E6	73.671	73.344
19)	B Endosulfa...	7.178	6.474	217.2E6	328.2E6	74.216	73.341
20)	A Methoxychlor	7.523	6.750	92827353	188.5E6	73.587	72.722
21)	B Endrin ke...	7.660	6.979	234.1E6	379.2E6	74.654	73.436
22)	Mirex	8.142	7.173	168.2E6	284.9E6	74.011	71.417

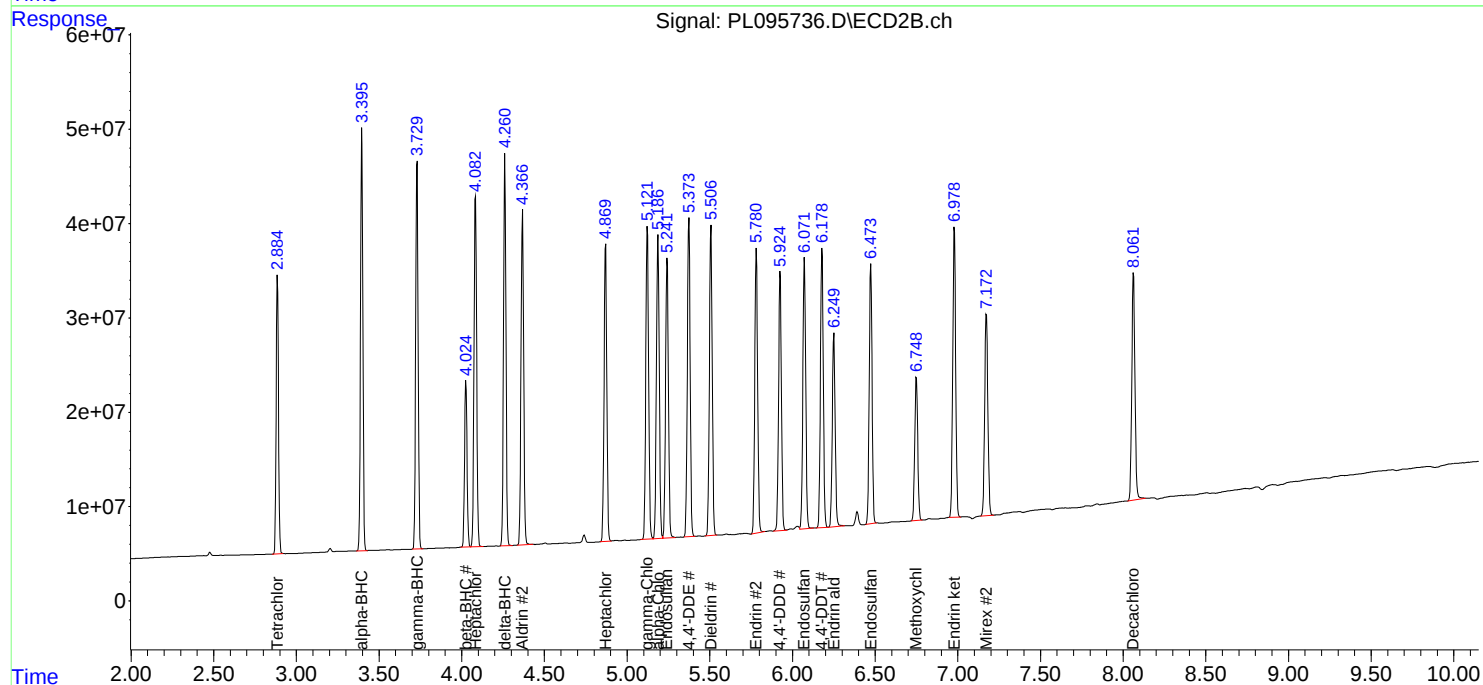
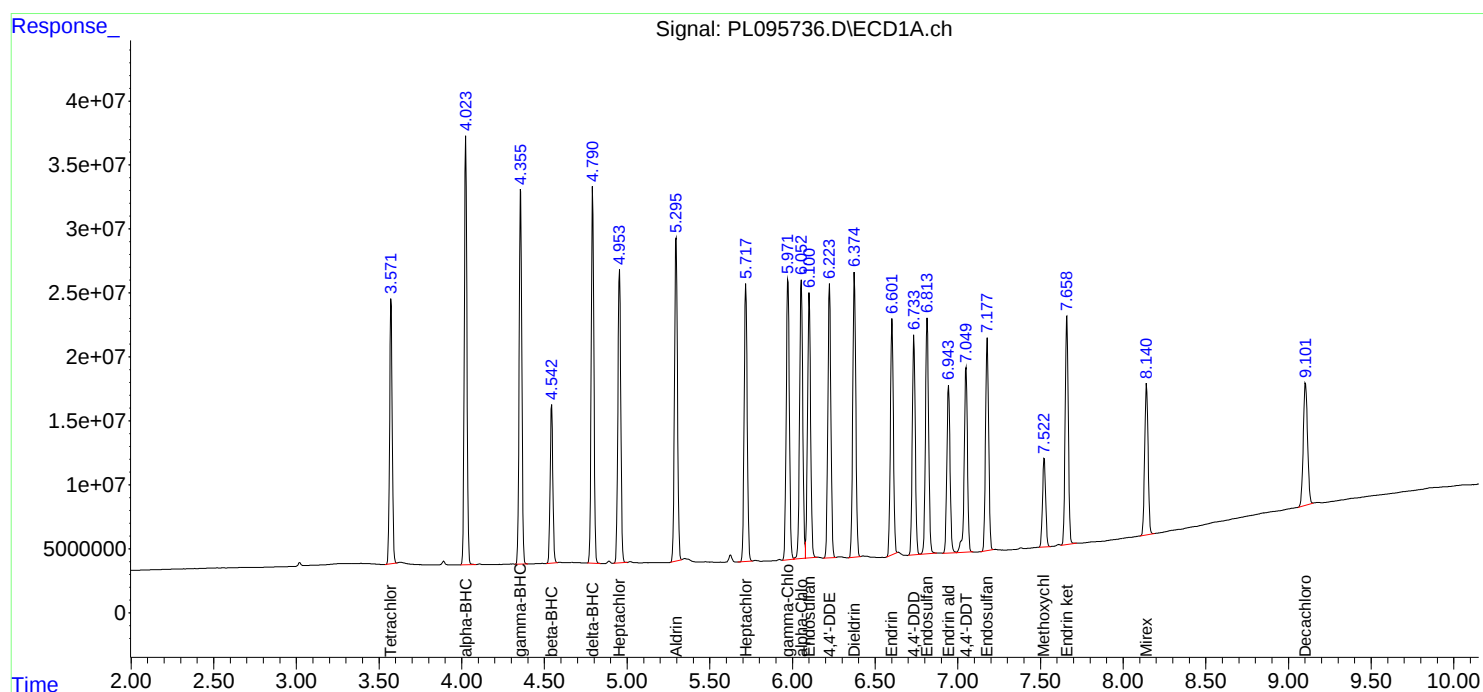
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

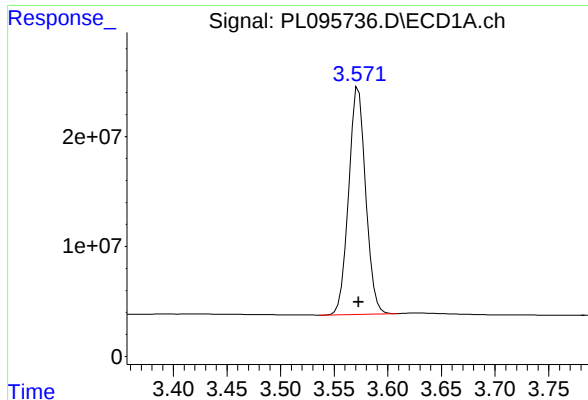
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095736.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 11:48
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:17:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:14:04 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

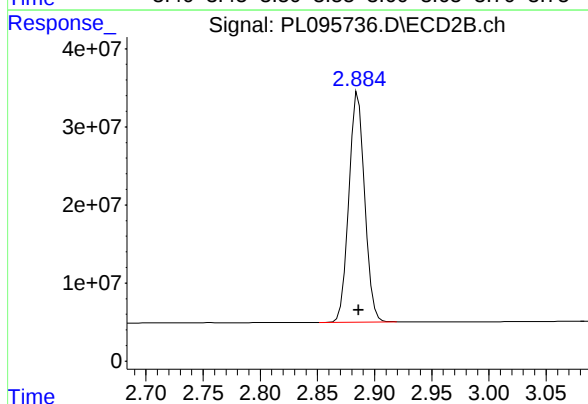




#1 Tetrachloro-m-xylene

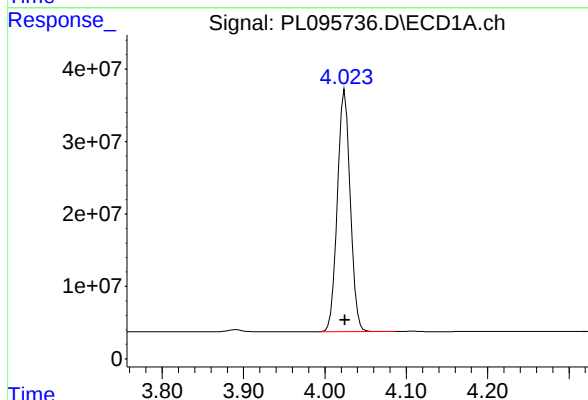
R.T.: 3.573 min
Delta R.T.: 0.000 min
Response: 228664275
Conc: 74.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



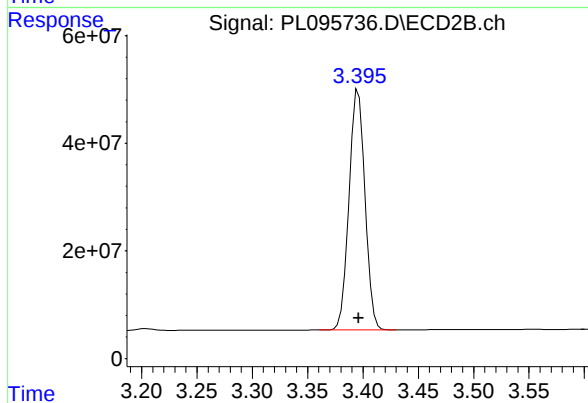
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.000 min
Response: 284774551
Conc: 74.03 ng/ml



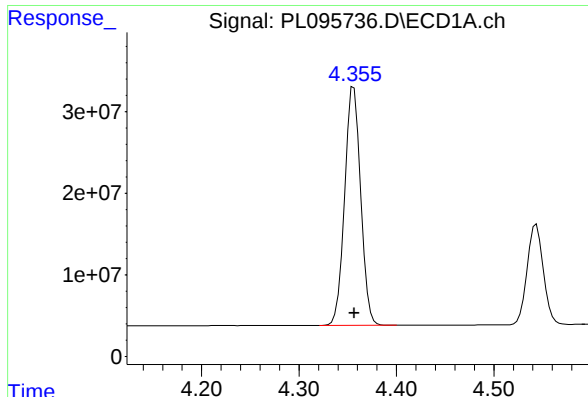
#2 alpha-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 366536616
Conc: 76.36 ng/ml



#2 alpha-BHC

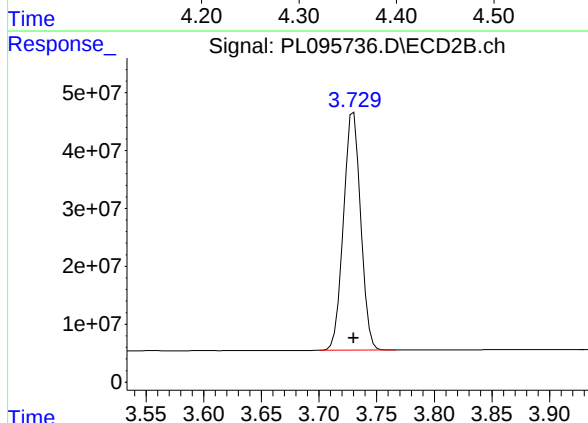
R.T.: 3.396 min
Delta R.T.: 0.000 min
Response: 448858157
Conc: 75.35 ng/ml



#3 gamma-BHC (Lindane)

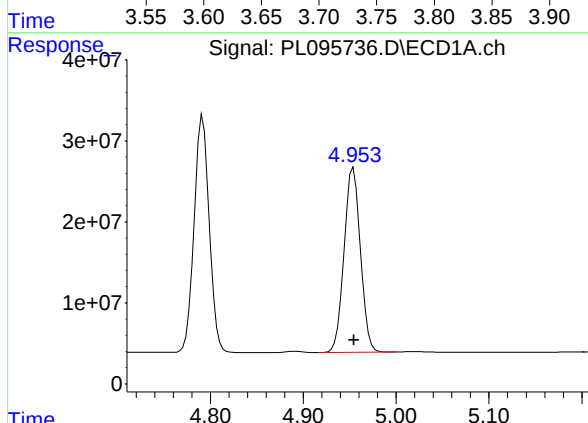
R.T.: 4.356 min
Delta R.T.: 0.000 min
Response: 333552348
Conc: 75.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



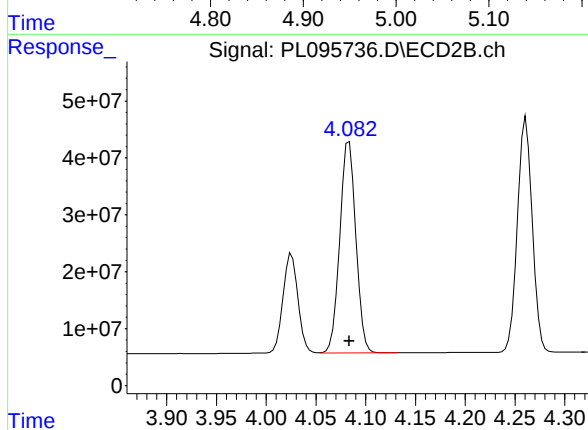
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.000 min
Response: 423011024
Conc: 74.84 ng/ml



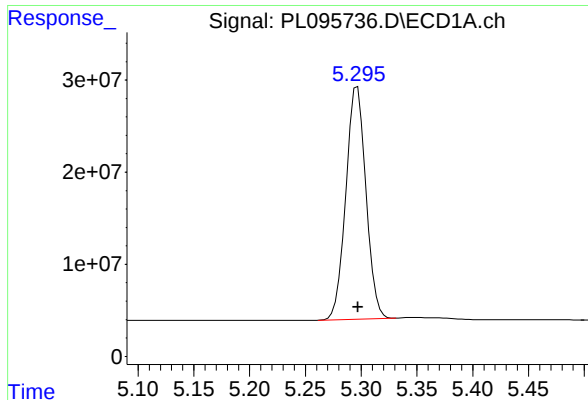
#4 Heptachlor

R.T.: 4.954 min
Delta R.T.: 0.000 min
Response: 278893342
Conc: 74.94 ng/ml



#4 Heptachlor

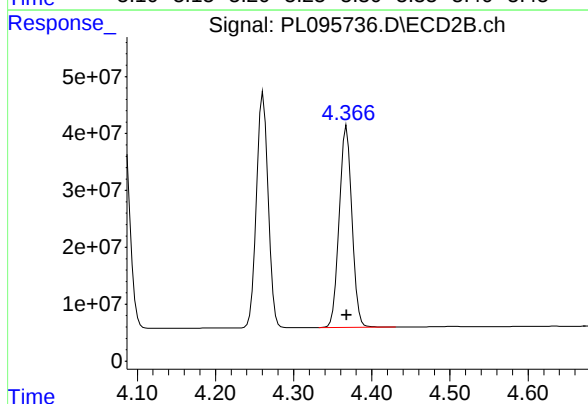
R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 417656146
Conc: 74.42 ng/ml



#5 Aldrin

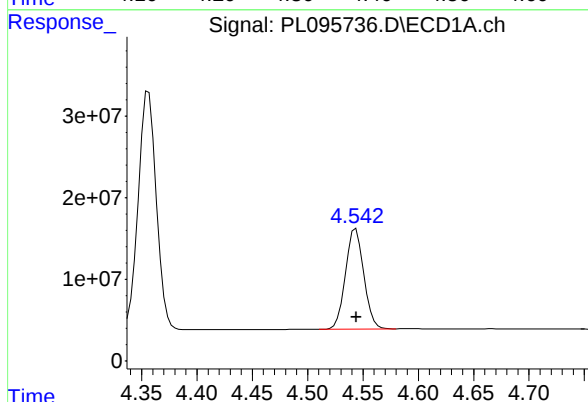
R.T.: 5.297 min
Delta R.T.: 0.000 min
Response: 315856140
Conc: 75.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



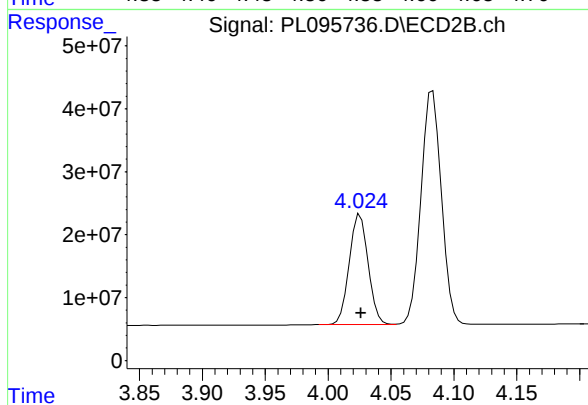
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 400306625
Conc: 74.69 ng/ml



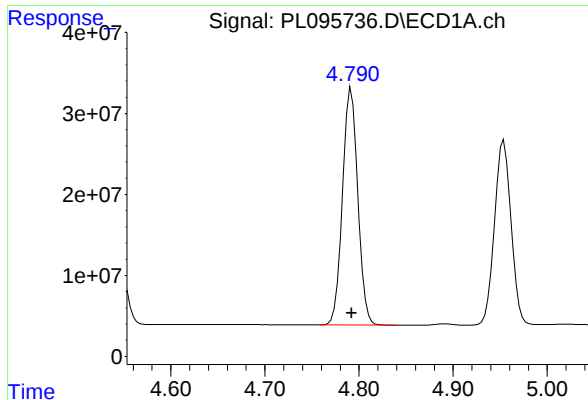
#6 beta-BHC

R.T.: 4.544 min
Delta R.T.: 0.000 min
Response: 141947924
Conc: 73.54 ng/ml



#6 beta-BHC

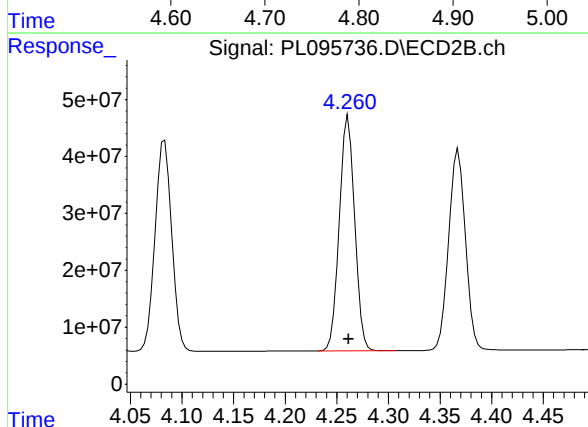
R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 182334287
Conc: 73.78 ng/ml



#7 delta-BHC

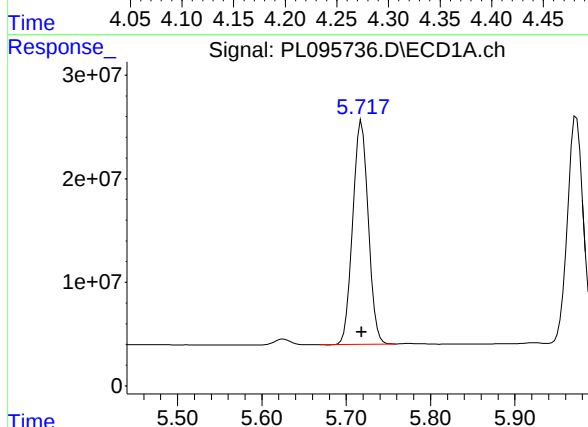
R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 331386383
Conc: 75.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



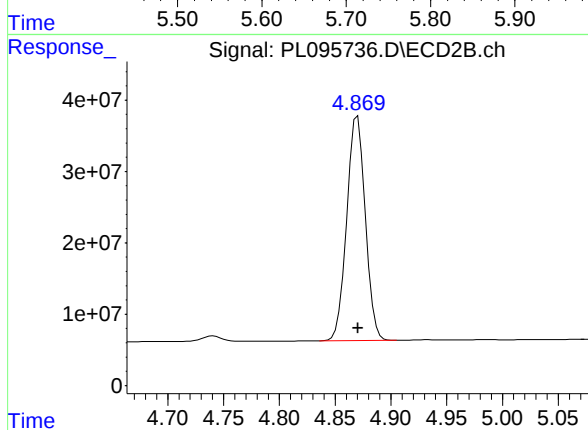
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: 0.000 min
Response: 428287315
Conc: 75.13 ng/ml



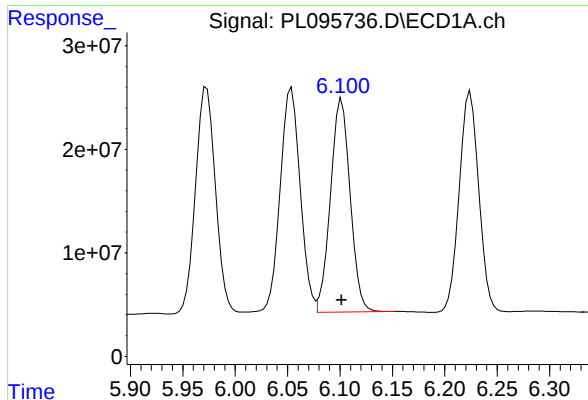
#8 Heptachlor epoxide

R.T.: 5.718 min
Delta R.T.: 0.000 min
Response: 276899934
Conc: 74.21 ng/ml



#8 Heptachlor epoxide

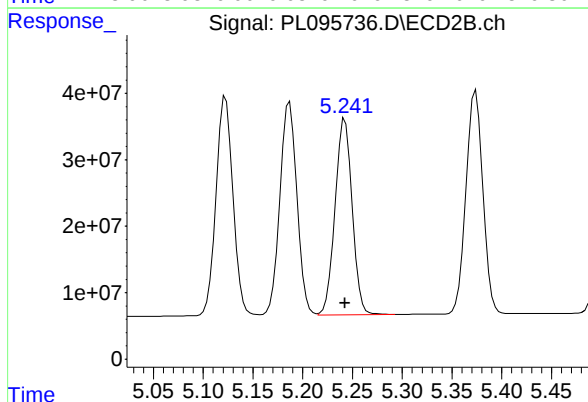
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 363639711
Conc: 73.55 ng/ml



#9 Endosulfan I

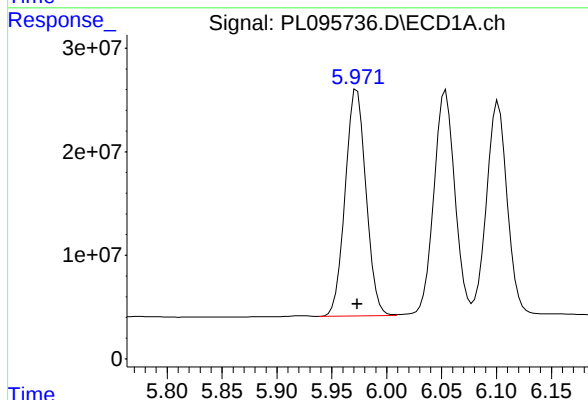
R.T.: 6.102 min
Delta R.T.: 0.000 min
Response: 267879960
Conc: 74.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



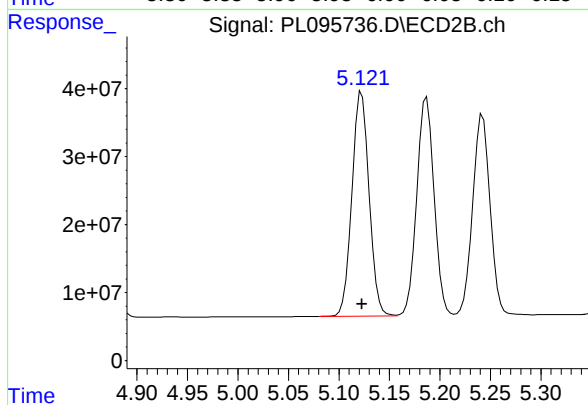
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 353121686
Conc: 74.06 ng/ml



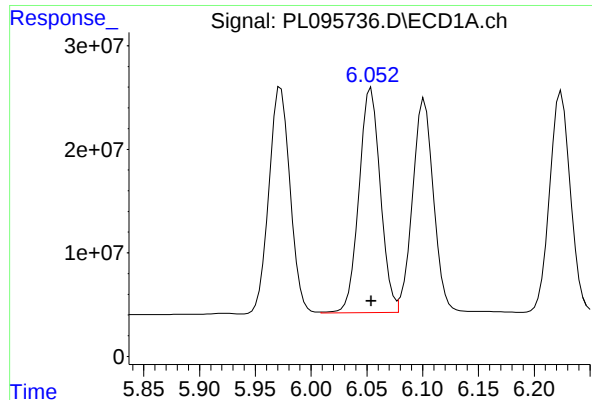
#10 gamma-Chlordane

R.T.: 5.973 min
Delta R.T.: 0.000 min
Response: 288922866
Conc: 75.14 ng/ml



#10 gamma-Chlordane

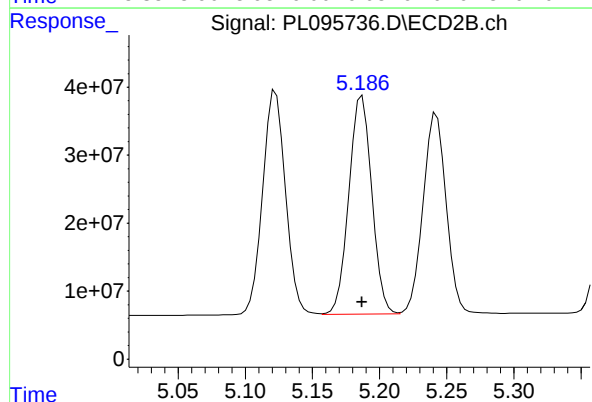
R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 390191290
Conc: 74.57 ng/ml



#11 alpha-Chlordane

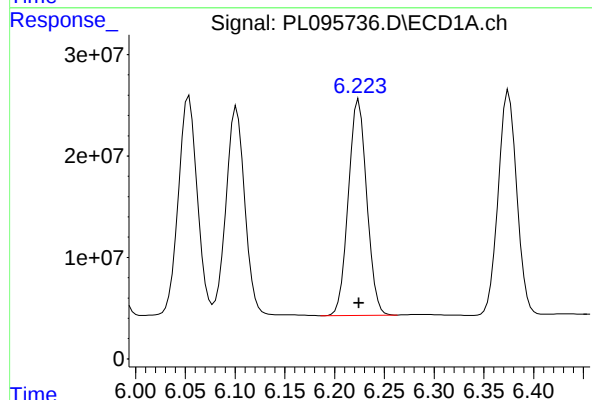
R.T.: 6.054 min
Delta R.T.: 0.000 min
Response: 289285154
Conc: 74.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



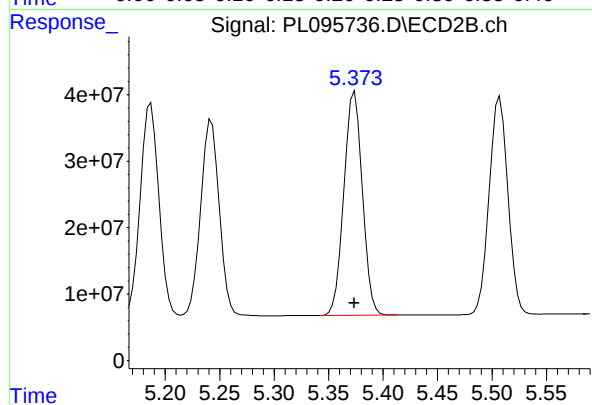
#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 383829070
Conc: 74.25 ng/ml



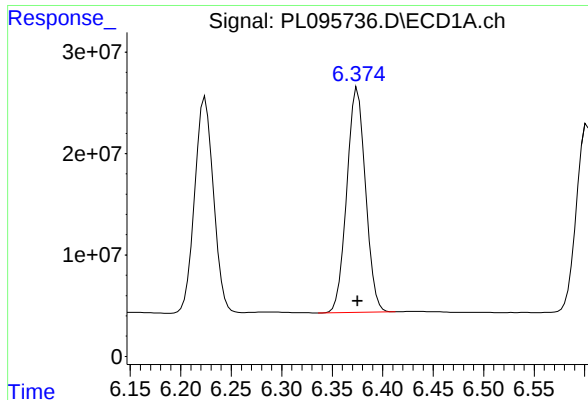
#12 4,4'-DDE

R.T.: 6.224 min
Delta R.T.: 0.000 min
Response: 274370496
Conc: 75.55 ng/ml



#12 4,4'-DDE

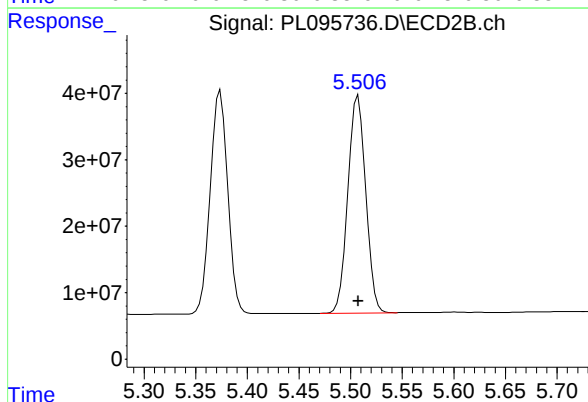
R.T.: 5.374 min
Delta R.T.: 0.000 min
Response: 396496659
Conc: 74.21 ng/ml



#13 Dieldrin

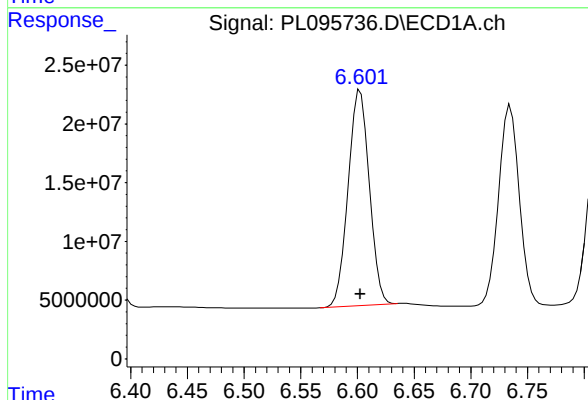
R.T.: 6.375 min
Delta R.T.: 0.000 min
Response: 285974632
Conc: 74.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



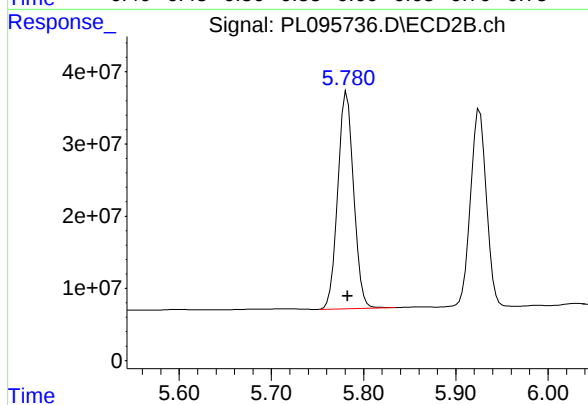
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 394256267
Conc: 74.44 ng/ml



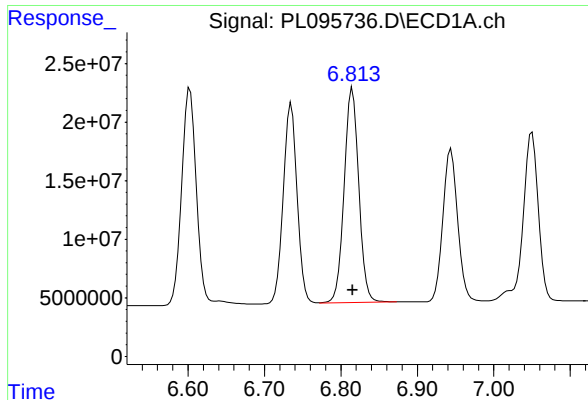
#14 Endrin

R.T.: 6.603 min
Delta R.T.: 0.000 min
Response: 239152782
Conc: 75.08 ng/ml



#14 Endrin

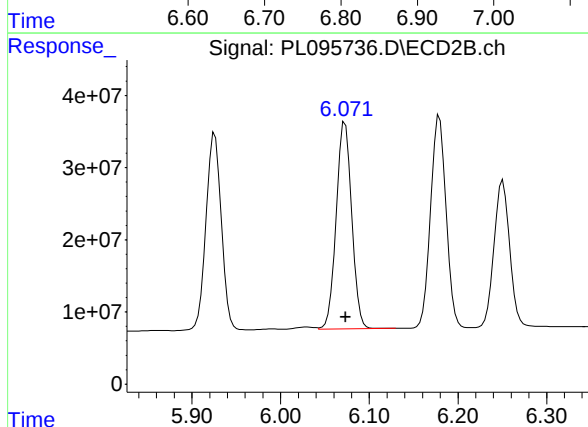
R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 358156236
Conc: 73.98 ng/ml



#15 Endosulfan II

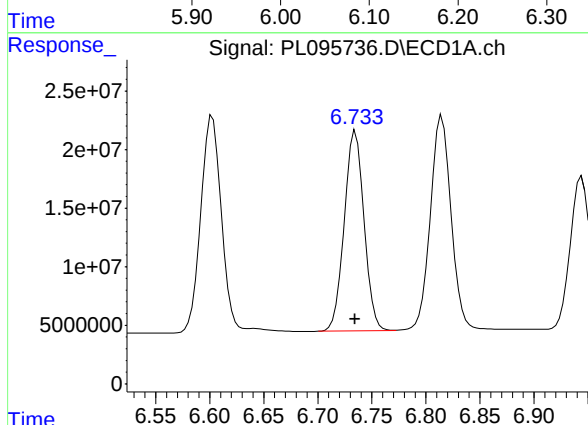
R.T.: 6.815 min
Delta R.T.: 0.000 min
Response: 244211959
Conc: 73.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



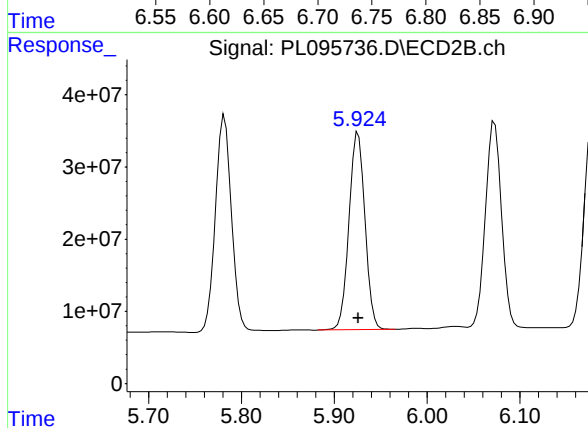
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 348341368
Conc: 73.77 ng/ml



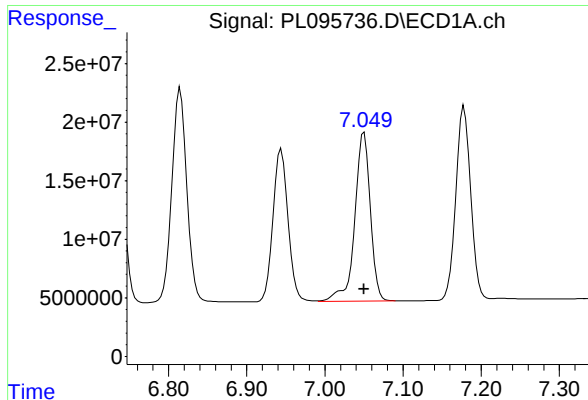
#16 4,4'-DDD

R.T.: 6.735 min
Delta R.T.: 0.000 min
Response: 217345934
Conc: 75.19 ng/ml



#16 4,4'-DDD

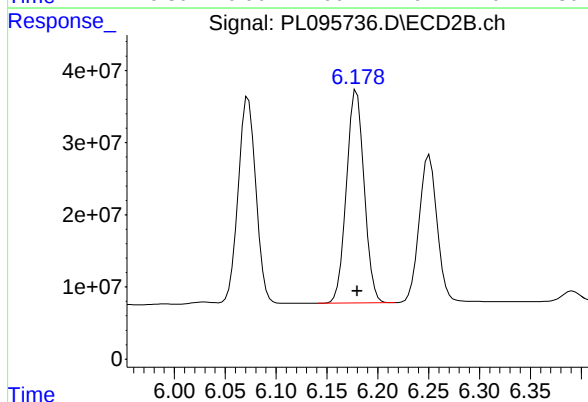
R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 327516287
Conc: 74.36 ng/ml



#17 4,4'-DDT

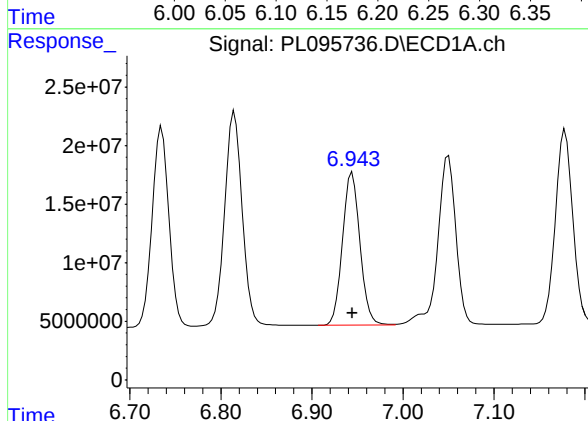
R.T.: 7.050 min
Delta R.T.: 0.000 min
Response: 199076628
Conc: 75.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



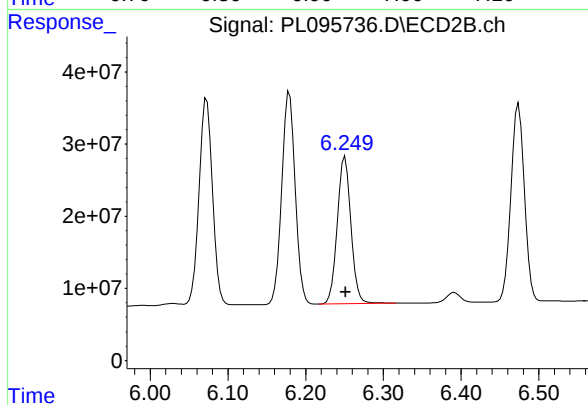
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 357665029
Conc: 74.42 ng/ml



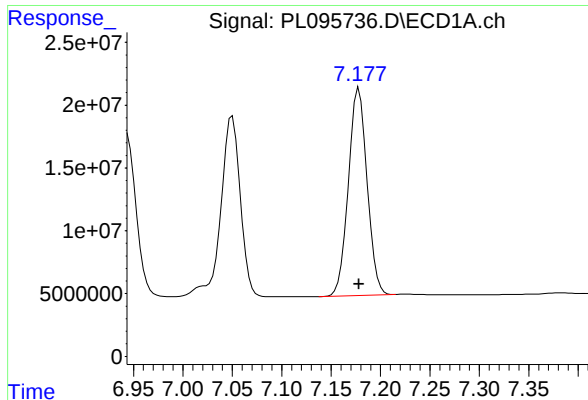
#18 Endrin aldehyde

R.T.: 6.944 min
Delta R.T.: 0.000 min
Response: 174282359
Conc: 73.67 ng/ml



#18 Endrin aldehyde

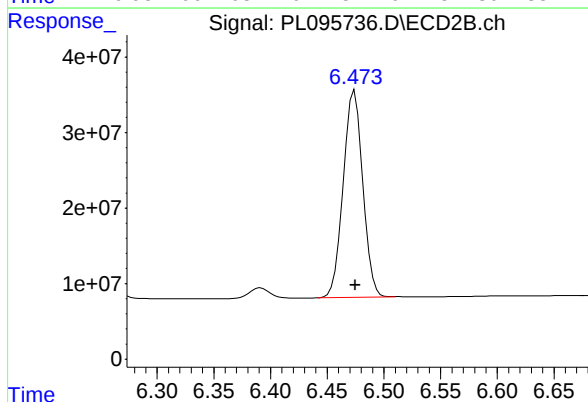
R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 250698612
Conc: 73.34 ng/ml



#19 Endosulfan Sulfate

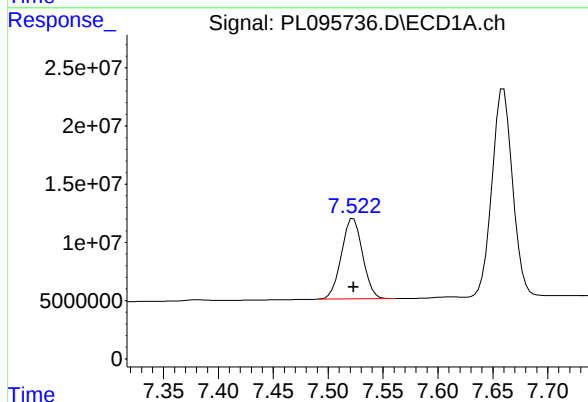
R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 217196090
Conc: 74.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



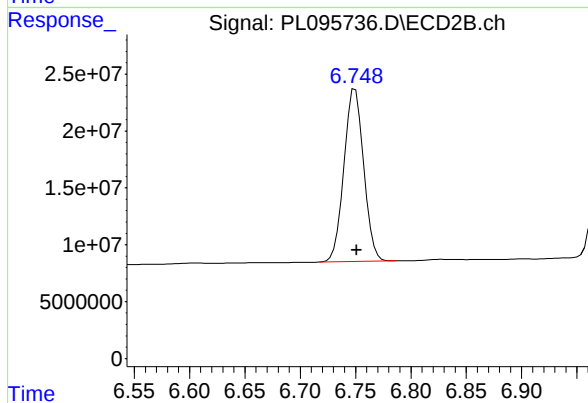
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 328212332
Conc: 73.34 ng/ml



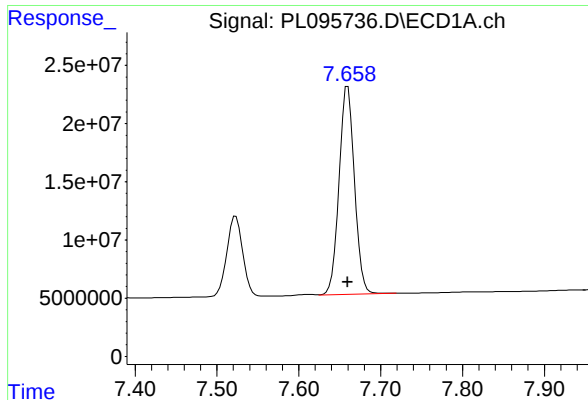
#20 Methoxychlor

R.T.: 7.523 min
Delta R.T.: 0.000 min
Response: 92827353
Conc: 73.59 ng/ml



#20 Methoxychlor

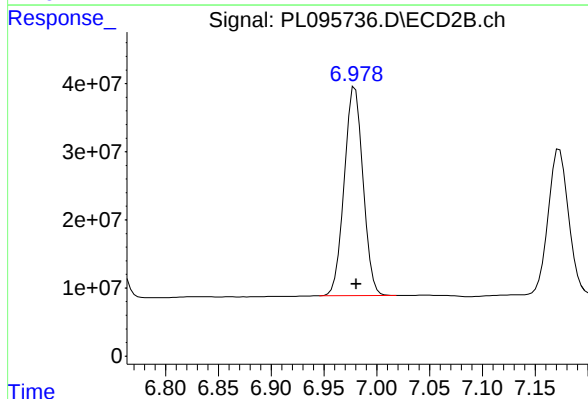
R.T.: 6.750 min
Delta R.T.: -0.001 min
Response: 188530271
Conc: 72.72 ng/ml



#21 Endrin ketone

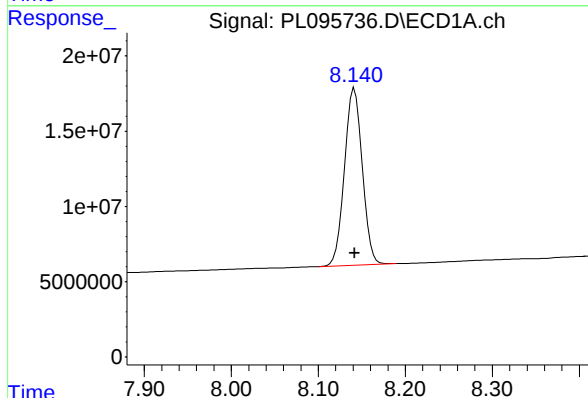
R.T.: 7.660 min
Delta R.T.: 0.000 min
Response: 234107989
Conc: 74.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



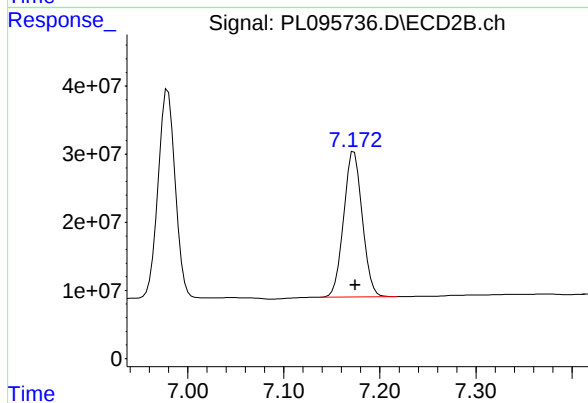
#21 Endrin ketone

R.T.: 6.979 min
Delta R.T.: -0.001 min
Response: 379178351
Conc: 73.44 ng/ml



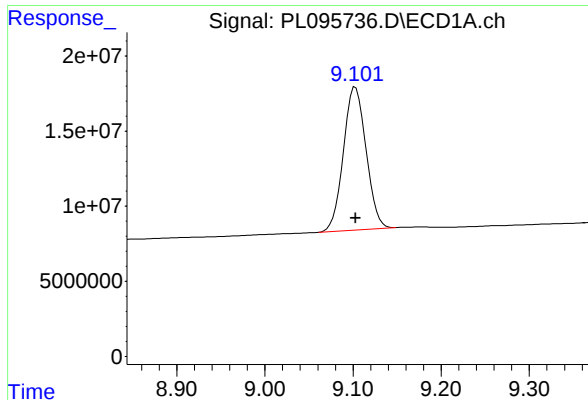
#22 Mirex

R.T.: 8.142 min
Delta R.T.: 0.000 min
Response: 168174191
Conc: 74.01 ng/ml



#22 Mirex

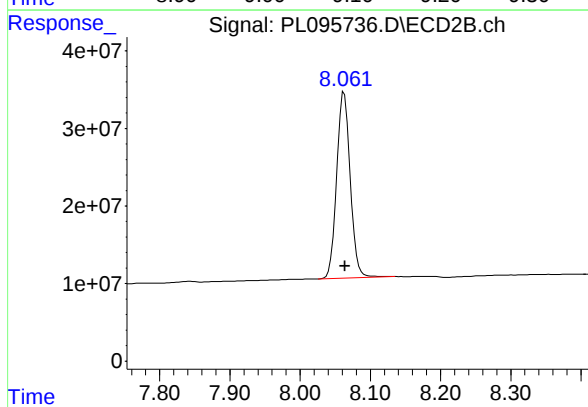
R.T.: 7.173 min
Delta R.T.: -0.001 min
Response: 284926478
Conc: 71.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.103 min
Delta R.T.: 0.000 min
Response: 170477941
Conc: 73.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.001 min
Response: 321975821
Conc: 72.78 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
 Data File : PL095737.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 12:02
 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: May 22 06:17:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:14:04 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...	3.573	2.886	153.3E6	192.3E6	50.000	50.000
28)	SA Decachlor...	9.103	8.064	115.2E6	221.2E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	4.025	3.396	240.0E6	297.8E6	50.000	50.000
3)	MA gamma-BHC...	4.357	3.730	220.0E6	282.6E6	50.000	50.000
4)	MA Heptachlor	4.955	4.083	186.1E6	280.6E6	50.000	50.000
5)	MB Aldrin	5.297	4.368	210.6E6	268.0E6	50.000	50.000
6)	B beta-BHC	4.544	4.026	96510671	123.6E6	50.000	50.000
7)	B delta-BHC	4.792	4.261	219.2E6	285.0E6	50.000	50.000
8)	B Heptachlo...	5.718	4.871	186.6E6	247.2E6	50.000	50.000
9)	A Endosulfan I	6.102	5.243	179.7E6	238.4E6	50.000	50.000
10)	B gamma-Chl...	5.973	5.123	192.3E6	261.6E6	50.000	50.000
11)	B alpha-Chl...	6.054	5.187	193.5E6	258.5E6	50.000	50.000
12)	B 4,4'-DDE	6.224	5.374	181.6E6	267.1E6	50.000	50.000
13)	MA Dieldrin	6.375	5.508	190.7E6	264.8E6	50.000	50.000
14)	MA Endrin	6.602	5.783	159.3E6	242.1E6	50.000	50.000
15)	B Endosulfa...	6.815	6.073	166.3E6	236.1E6	50.000	50.000
16)	A 4,4'-DDD	6.734	5.926	144.5E6	220.2E6	50.000	50.000
17)	MA 4,4'-DDT	7.050	6.180	132.5E6	240.3E6	50.000	50.000
18)	B Endrin al...	6.944	6.251	118.3E6	170.9E6	50.000	50.000
19)	B Endosulfa...	7.178	6.475	146.3E6	223.8E6	50.000	50.000
20)	A Methoxychlor	7.523	6.751	63073290	129.6E6	50.000	50.000
21)	B Endrin ke...	7.660	6.980	156.8E6	258.2E6	50.000	50.000
22)	Mirex	8.142	7.174	113.6E6	199.5E6	50.000	50.000

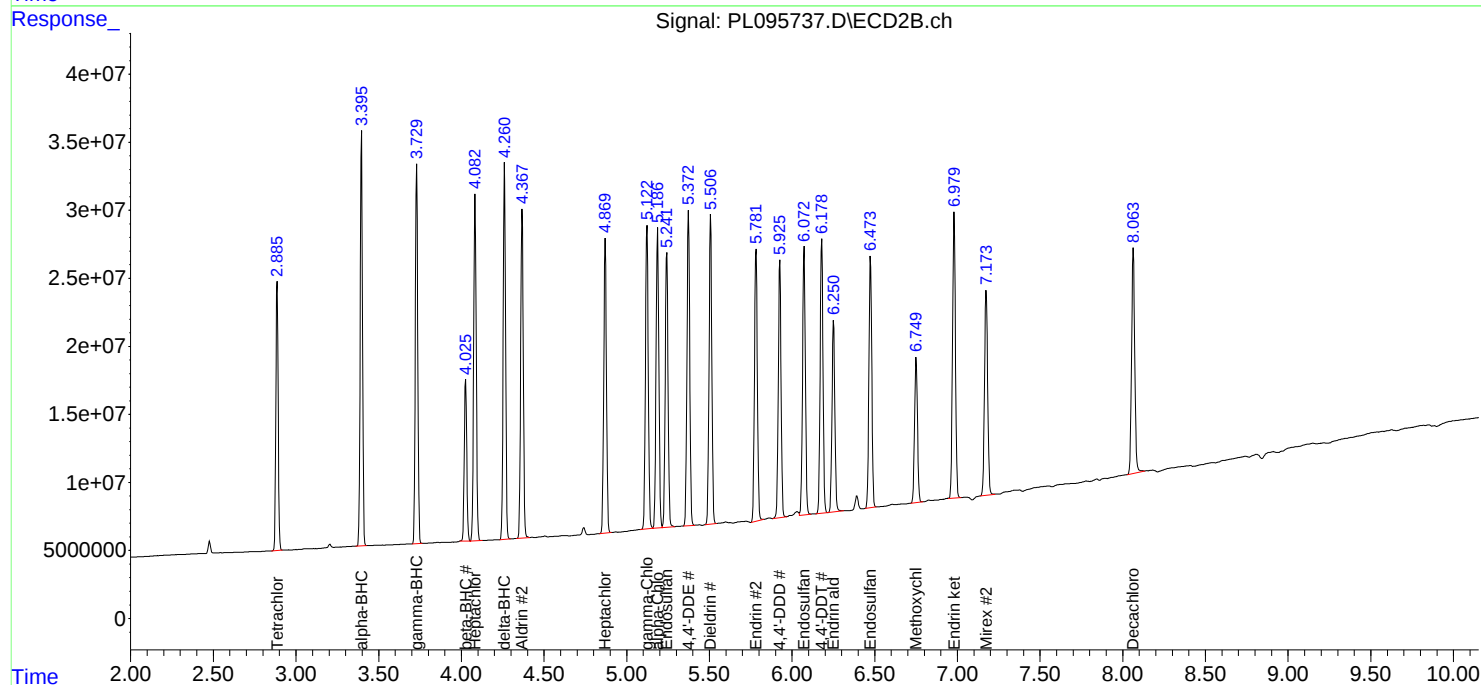
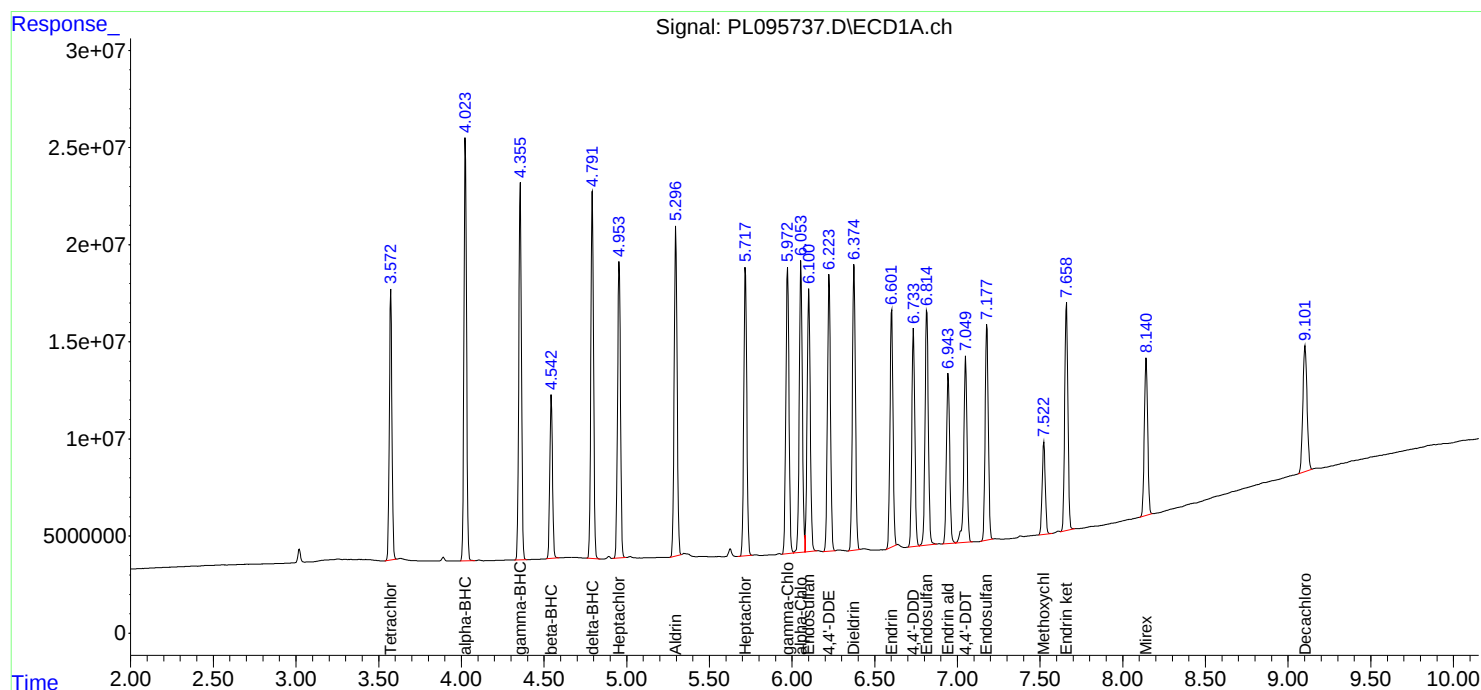
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

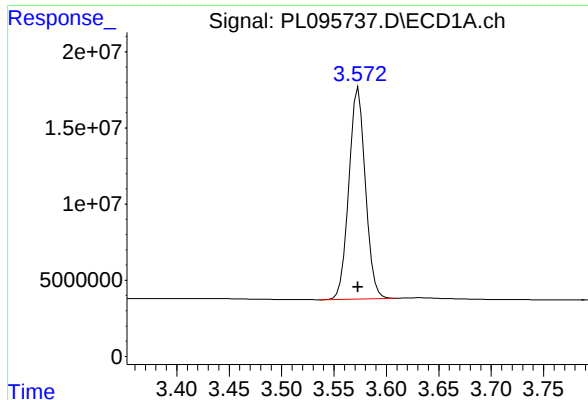
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095737.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 12:02
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:17:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:14:04 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

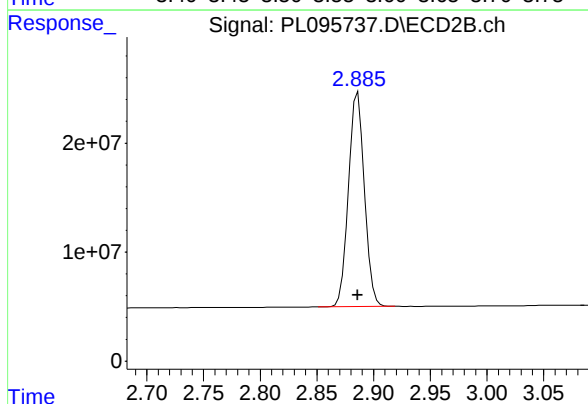




#1 Tetrachloro-m-xylene

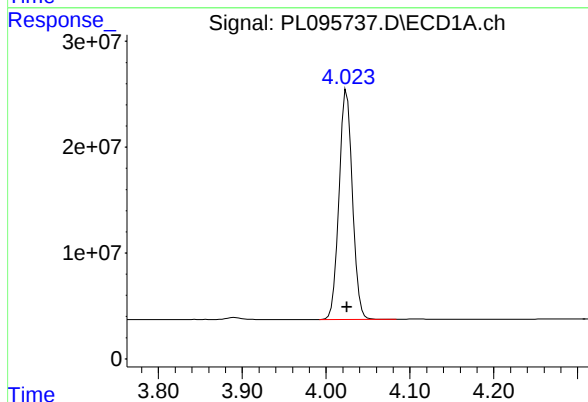
R.T.: 3.573 min
Delta R.T.: 0.000 min
Response: 153291163
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



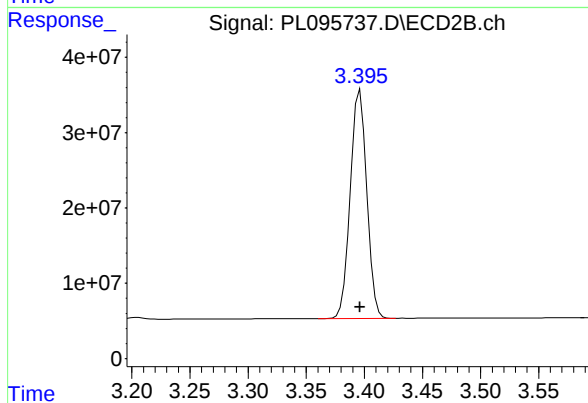
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.000 min
Response: 192349216
Conc: 50.00 ng/ml



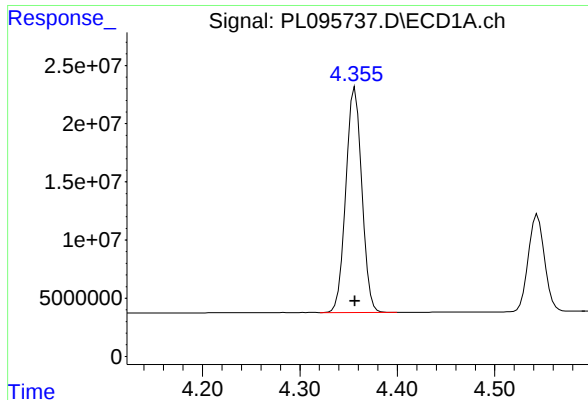
#2 alpha-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 239994968
Conc: 50.00 ng/ml



#2 alpha-BHC

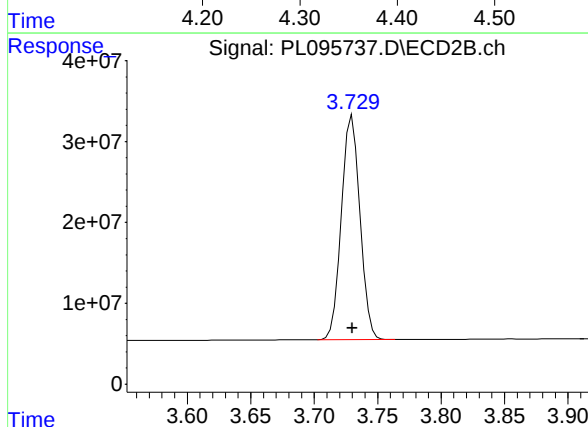
R.T.: 3.396 min
Delta R.T.: 0.000 min
Response: 297834363
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

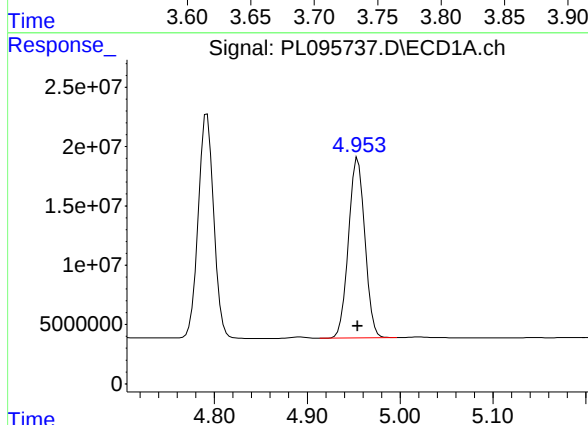
R.T.: 4.357 min
Delta R.T.: 0.000 min
Response: 220038465
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



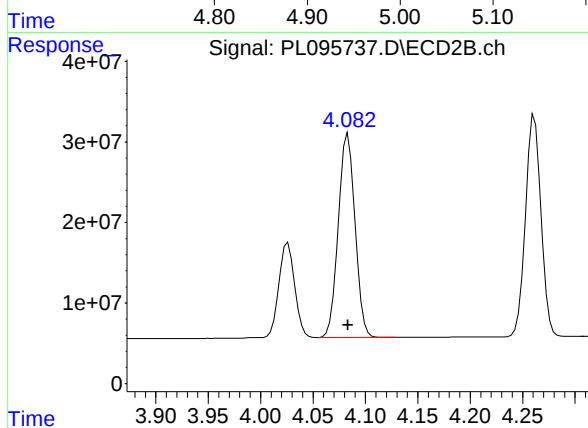
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.000 min
Response: 282610422
Conc: 50.00 ng/ml



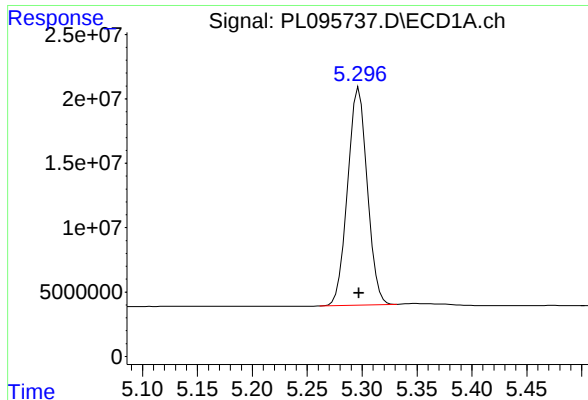
#4 Heptachlor

R.T.: 4.955 min
Delta R.T.: 0.000 min
Response: 186075842
Conc: 50.00 ng/ml



#4 Heptachlor

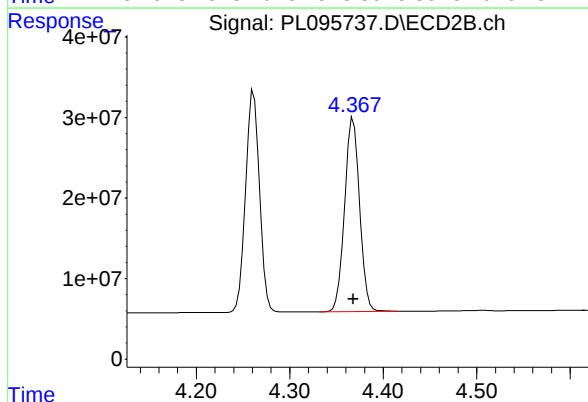
R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 280589099
Conc: 50.00 ng/ml



#5 Aldrin

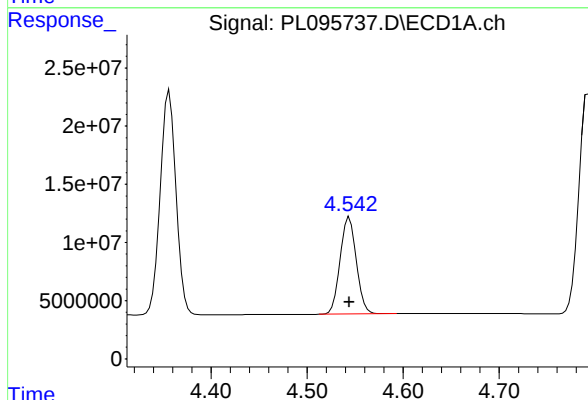
R.T.: 5.297 min
Delta R.T.: 0.000 min
Response: 210558537
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



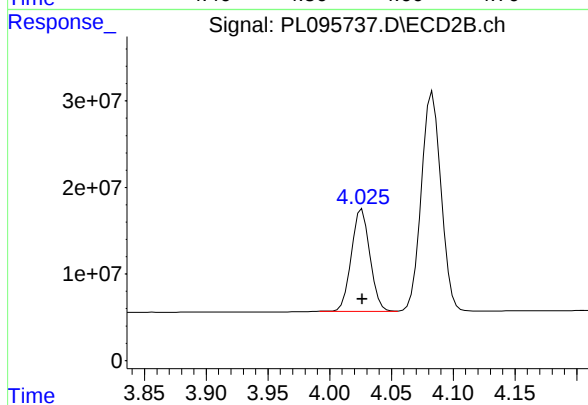
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 267962633
Conc: 50.00 ng/ml



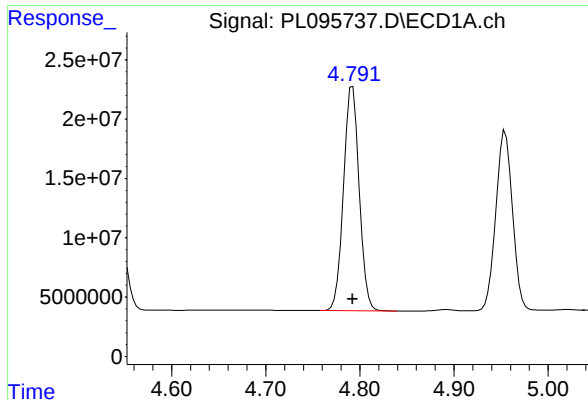
#6 beta-BHC

R.T.: 4.544 min
Delta R.T.: 0.000 min
Response: 96510671
Conc: 50.00 ng/ml



#6 beta-BHC

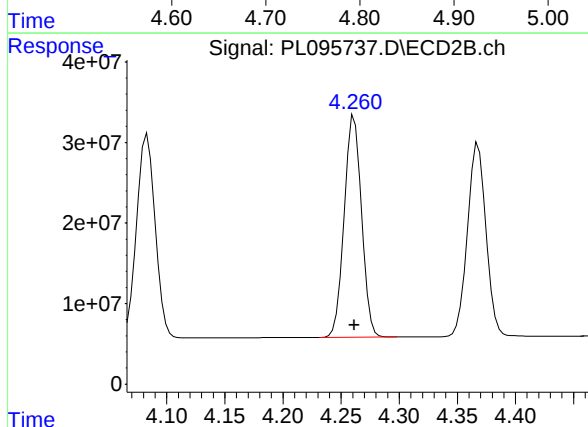
R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 123564721
Conc: 50.00 ng/ml



#7 delta-BHC

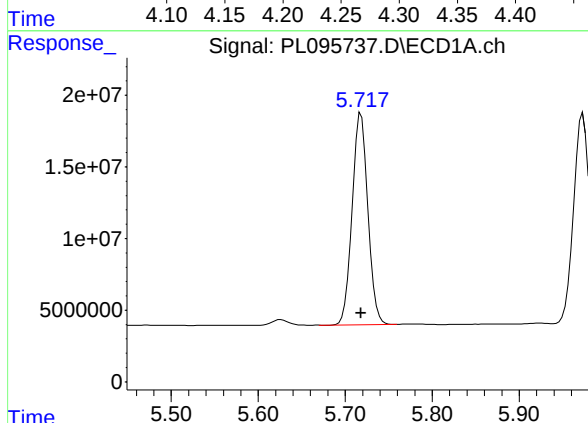
R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 219198950
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



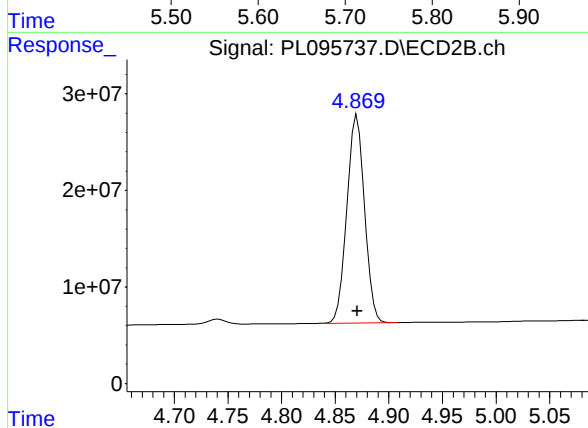
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: 0.000 min
Response: 285012736
Conc: 50.00 ng/ml



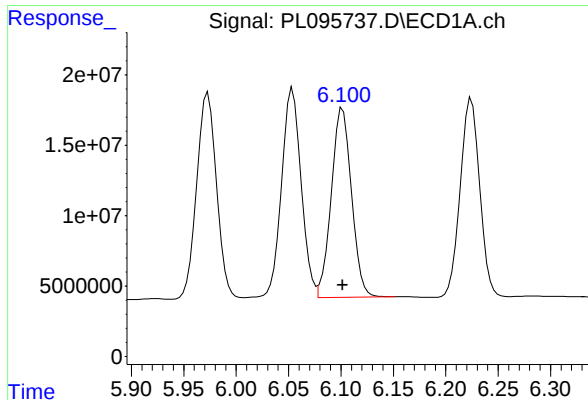
#8 Heptachlor epoxide

R.T.: 5.718 min
Delta R.T.: 0.000 min
Response: 186554209
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

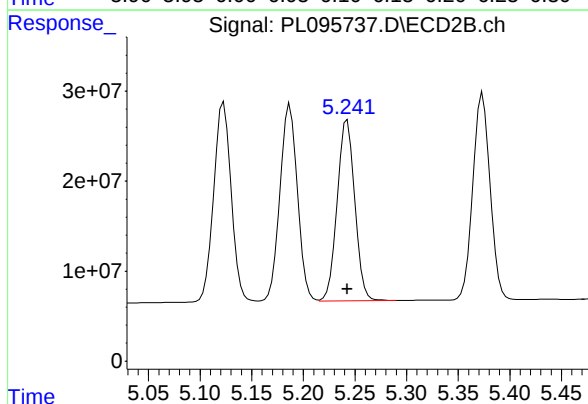
R.T.: 4.871 min
Delta R.T.: 0.000 min
Response: 247190529
Conc: 50.00 ng/ml



#9 Endosulfan I

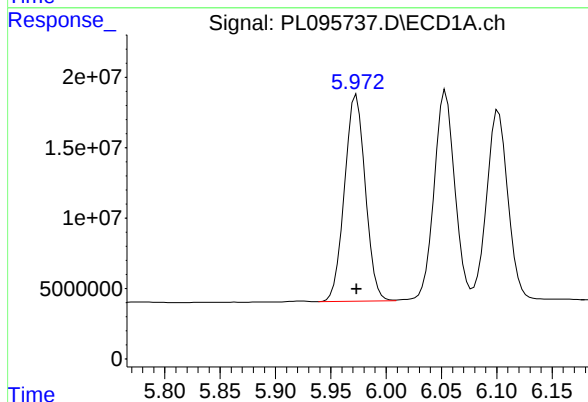
R.T.: 6.102 min
Delta R.T.: 0.000 min
Response: 179698543
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



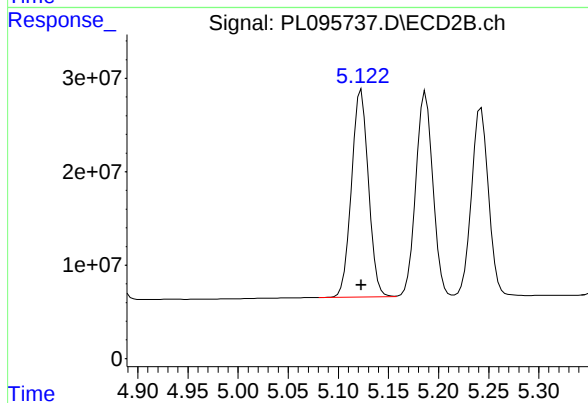
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 238386455
Conc: 50.00 ng/ml



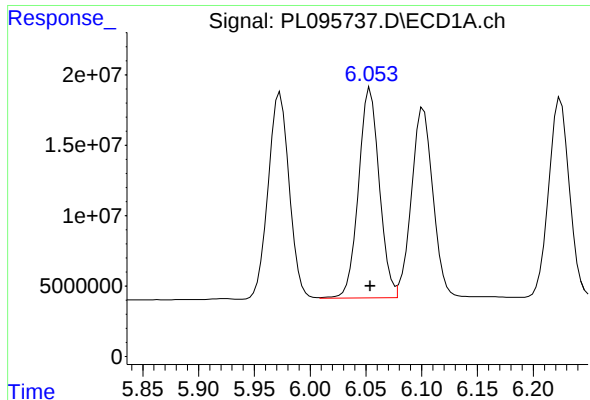
#10 gamma-Chlordane

R.T.: 5.973 min
Delta R.T.: 0.000 min
Response: 192265421
Conc: 50.00 ng/ml



#10 gamma-Chlordane

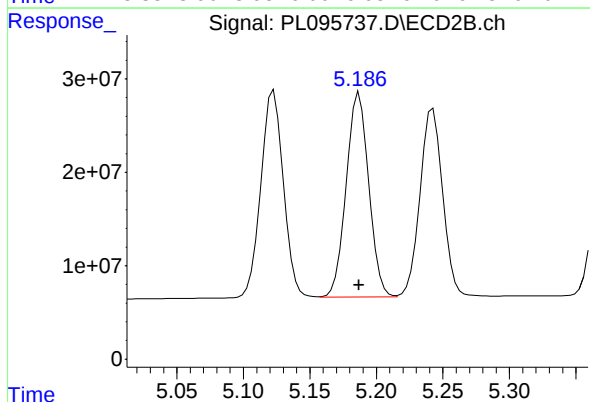
R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 261644179
Conc: 50.00 ng/ml



#11 alpha-Chlordane

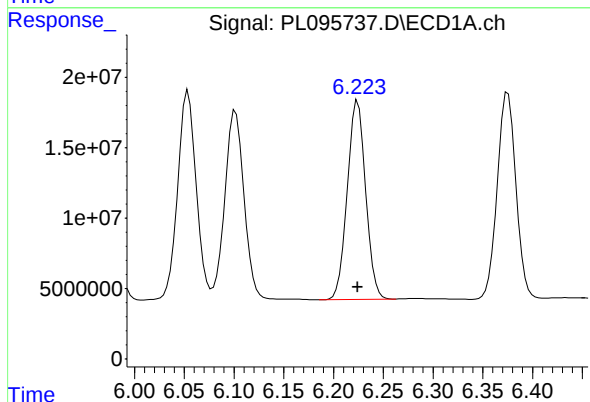
R.T.: 6.054 min
Delta R.T.: 0.000 min
Response: 193496576
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



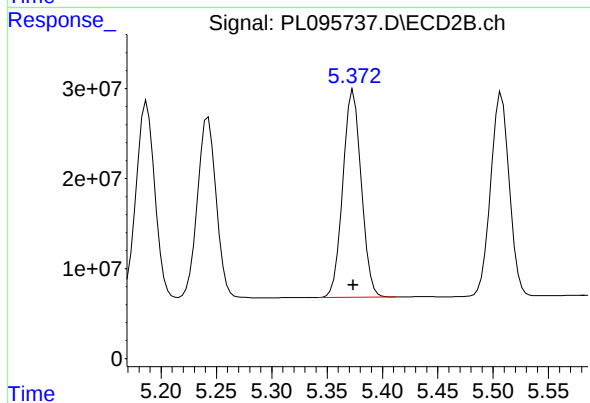
#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 258481817
Conc: 50.00 ng/ml



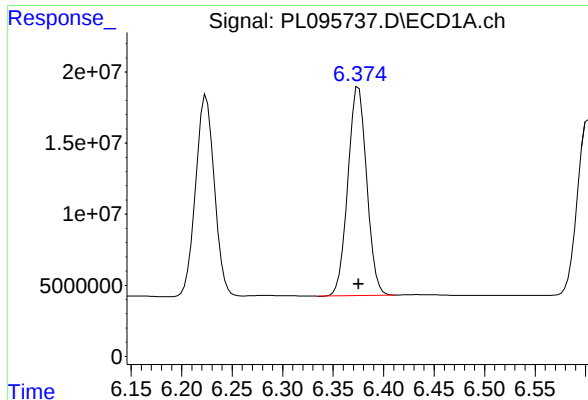
#12 4,4'-DDE

R.T.: 6.224 min
Delta R.T.: 0.000 min
Response: 181584448
Conc: 50.00 ng/ml



#12 4,4'-DDE

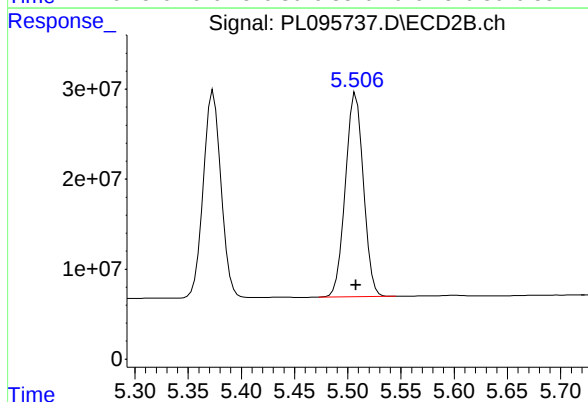
R.T.: 5.374 min
Delta R.T.: 0.000 min
Response: 267148181
Conc: 50.00 ng/ml



#13 Dieldrin

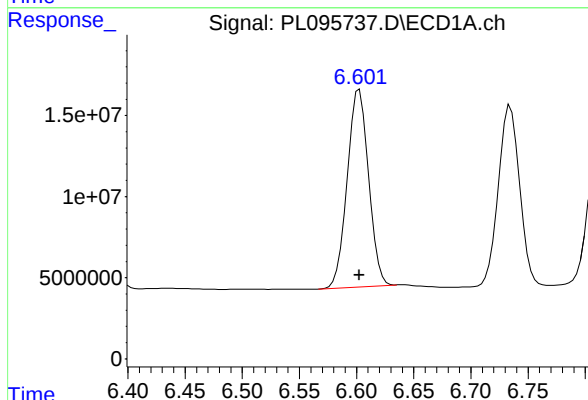
R.T.: 6.375 min
Delta R.T.: 0.000 min
Response: 190690949
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



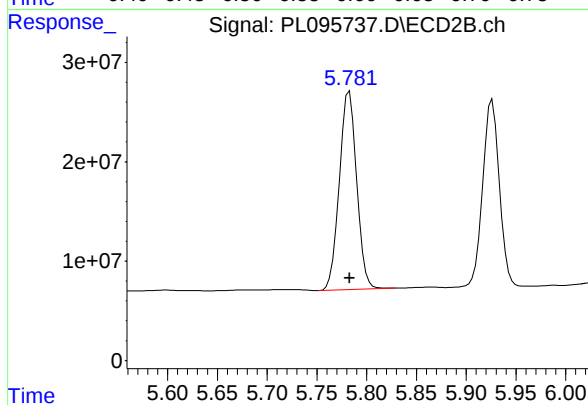
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 264824705
Conc: 50.00 ng/ml



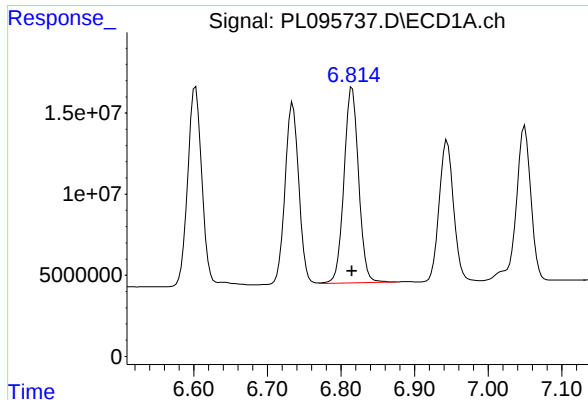
#14 Endrin

R.T.: 6.602 min
Delta R.T.: 0.000 min
Response: 159265435
Conc: 50.00 ng/ml



#14 Endrin

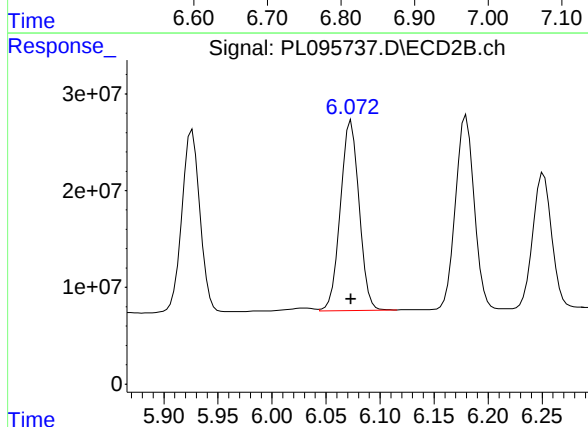
R.T.: 5.783 min
Delta R.T.: 0.000 min
Response: 242056180
Conc: 50.00 ng/ml



#15 Endosulfan II

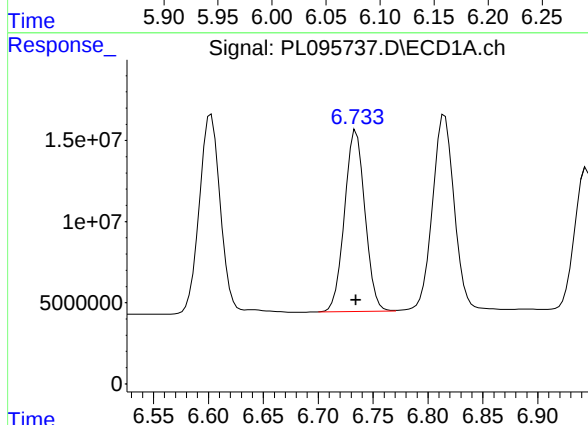
R.T.: 6.815 min
Delta R.T.: 0.000 min
Response: 166277261
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



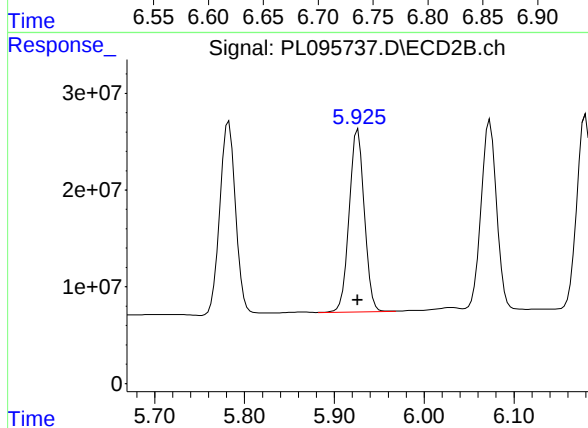
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 236094956
Conc: 50.00 ng/ml



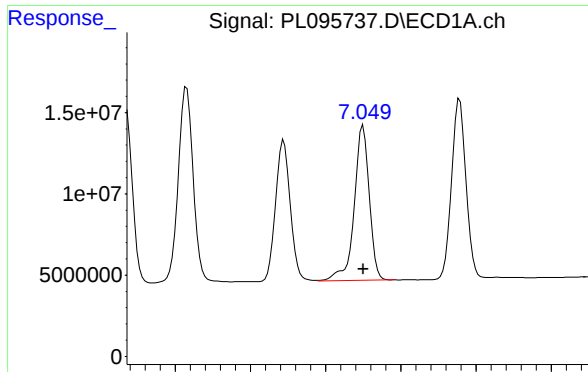
#16 4,4'-DDD

R.T.: 6.734 min
Delta R.T.: 0.000 min
Response: 144532800
Conc: 50.00 ng/ml



#16 4,4'-DDD

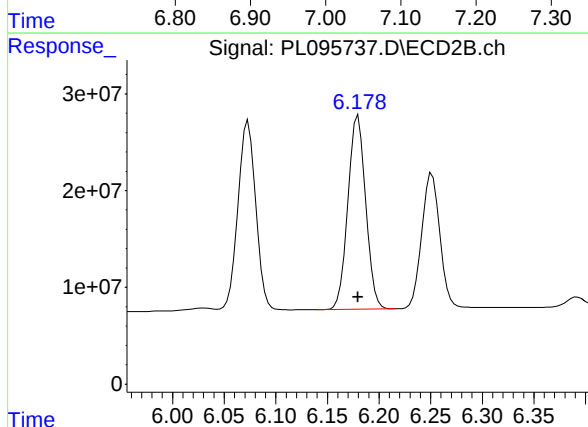
R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 220218849
Conc: 50.00 ng/ml



#17 4,4'-DDT

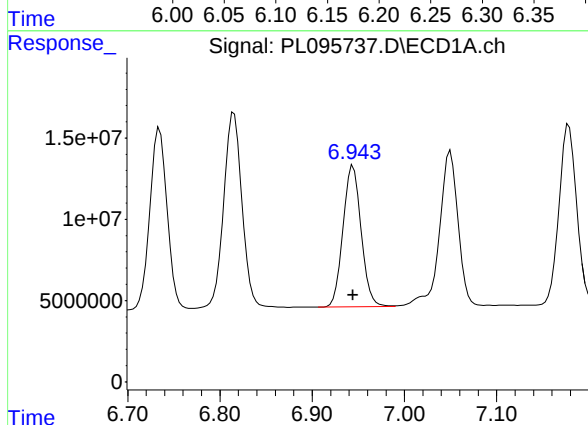
R.T.: 7.050 min
Delta R.T.: 0.000 min
Response: 132530344
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



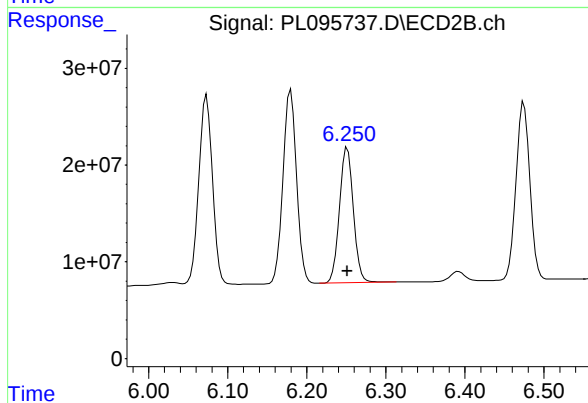
#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: 0.000 min
Response: 240287375
Conc: 50.00 ng/ml



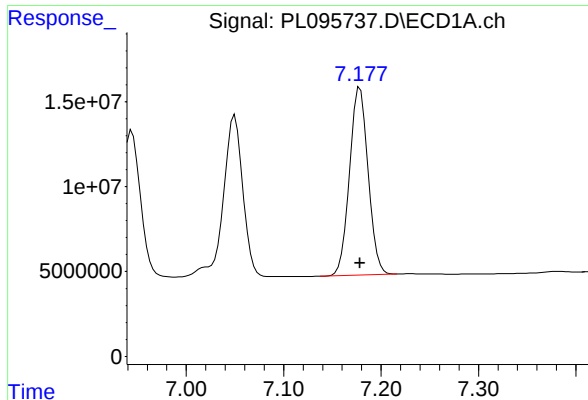
#18 Endrin aldehyde

R.T.: 6.944 min
Delta R.T.: 0.000 min
Response: 118284836
Conc: 50.00 ng/ml



#18 Endrin aldehyde

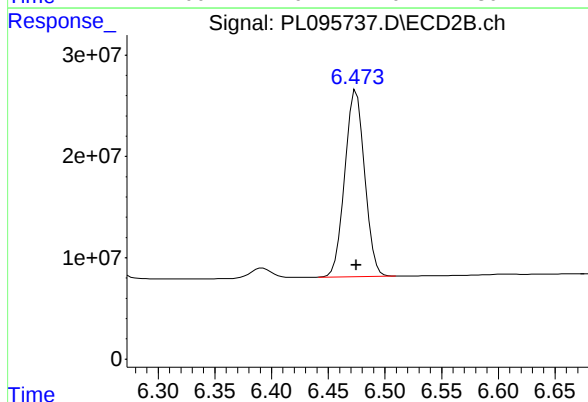
R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 170905177
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

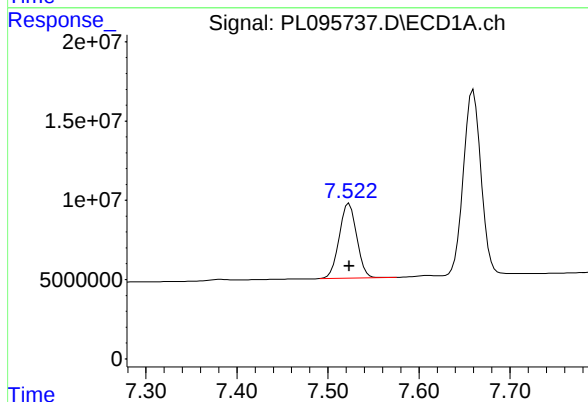
R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 146327614
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



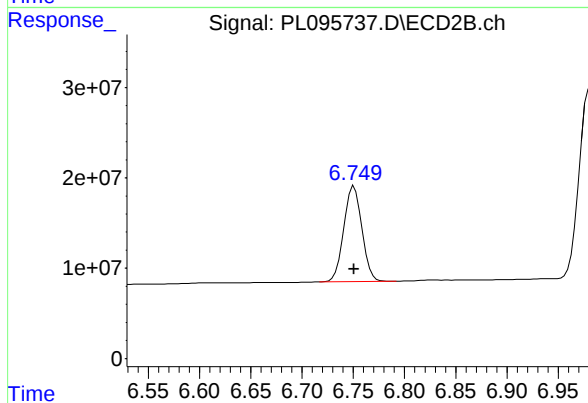
#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: 0.000 min
Response: 223759193
Conc: 50.00 ng/ml



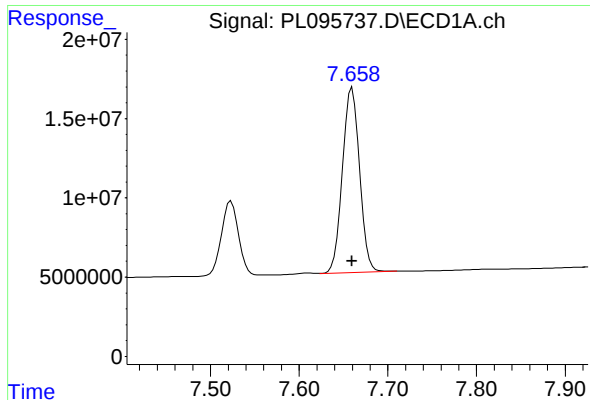
#20 Methoxychlor

R.T.: 7.523 min
Delta R.T.: 0.000 min
Response: 63073290
Conc: 50.00 ng/ml



#20 Methoxychlor

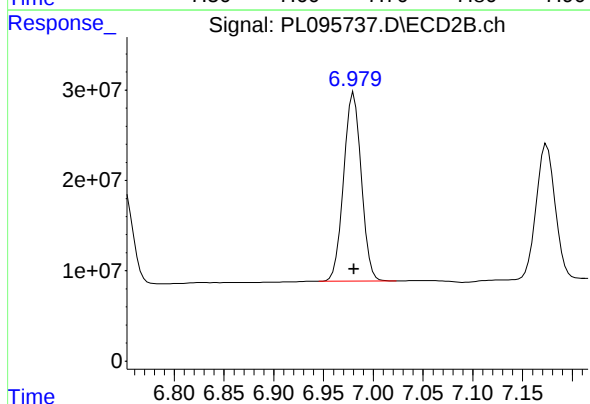
R.T.: 6.751 min
Delta R.T.: 0.000 min
Response: 129624467
Conc: 50.00 ng/ml



#21 Endrin ketone

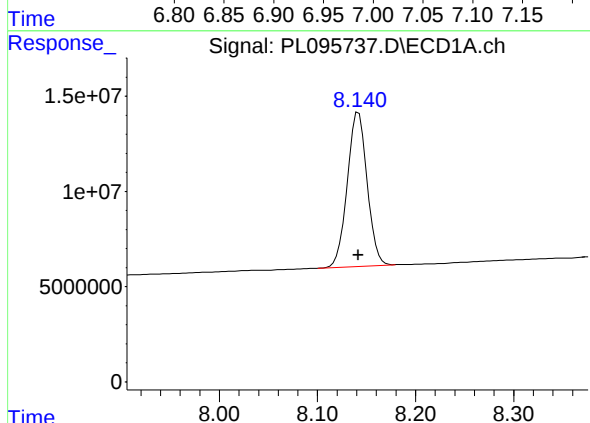
R.T.: 7.660 min
Delta R.T.: 0.000 min
Response: 156794752
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



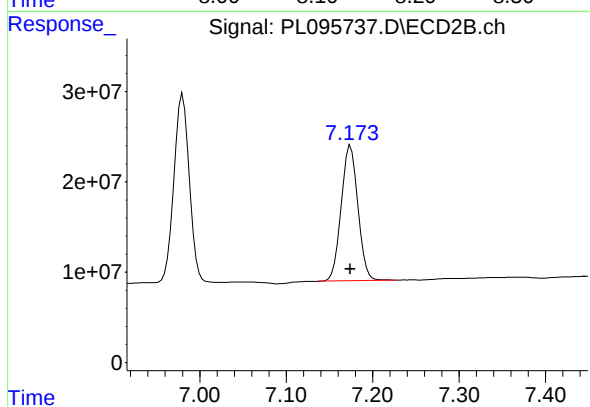
#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: 0.000 min
Response: 258169437
Conc: 50.00 ng/ml



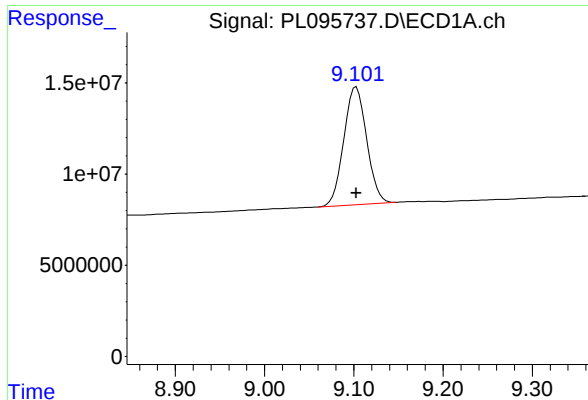
#22 Mirex

R.T.: 8.142 min
Delta R.T.: 0.000 min
Response: 113614693
Conc: 50.00 ng/ml



#22 Mirex

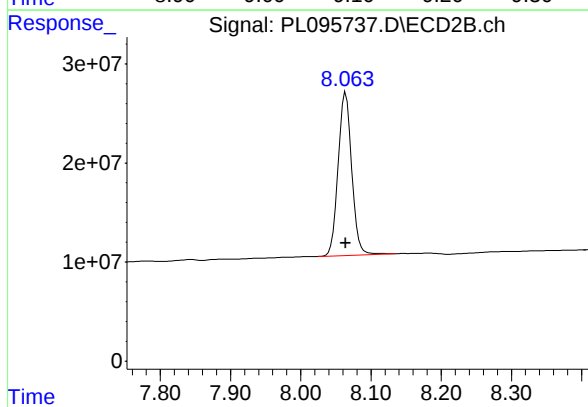
R.T.: 7.174 min
Delta R.T.: 0.000 min
Response: 199481332
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.103 min
Delta R.T.: 0.000 min
Response: 115217414
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 221205876
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
 Data File : PL095738.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 12:15
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/22/2025

Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 06:18:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:14:04 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...	3.572	2.886	76560586	94950949	24.972	24.682
28) SA Decachlor...	9.102	8.063	58871383	110.2E6	25.548	24.905
Target Compounds						
2) A alpha-BHC	4.024	3.396	114.6E6	139.2E6	23.873	23.369
3) MA gamma-BHC...	4.356	3.730	106.1E6	133.9E6	24.117	23.682
4) MA Heptachlor	4.954	4.083	90572384	135.5E6	24.337	24.151
5) MB Aldrin	5.297	4.368	102.0E6	127.4E6	24.216	23.763
6) B beta-BHC	4.543	4.026	48288222	60913646	25.017	24.648
7) B delta-BHC	4.791	4.261	105.8E6	135.3E6	24.143	23.732
8) B Heptachlo...	5.718	4.871	92052683	120.3E6	24.672	24.327
9) A Endosulfan I	6.101	5.243	88752148	116.7E6	24.695	24.479
10) B gamma-Chl...	5.973	5.123	93872153	126.7E6	24.412	24.216
11) B alpha-Chl...	6.053	5.187	95402335	126.5E6	24.652	24.466
12) B 4,4'-DDE	6.224	5.374	87244934	129.6E6	24.023	24.262
13) MA Dieldrin	6.374	5.508	92714141	127.6E6	24.310	24.090
14) MA Endrin	6.602	5.783	77907657	118.3E6	24.458	24.444
15) B Endosulfa...	6.814	6.073	84624751	115.3E6	25.447	24.408
16) A 4,4'-DDD	6.733	5.926	70145317	105.7E6	24.266	24.009
17) MA 4,4'-DDT	7.049	6.180	64751863	115.9E6	24.429	24.121
18) B Endrin al...	6.943	6.251	58843793	84135949	24.874	24.615
19) B Endosulfa...	7.177	6.475	72659491	110.3E6	24.828	24.637
20) A Methoxychlor	7.521	6.750	31284485	65690870	24.800	25.339
21) B Endrin ke...	7.658	6.980	76716187	127.4E6	24.464m	24.674
22) Mirex	8.140	7.174	57020908	100.8E6	25.094	25.271

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095738.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 12:15
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC025

Manual Integrations

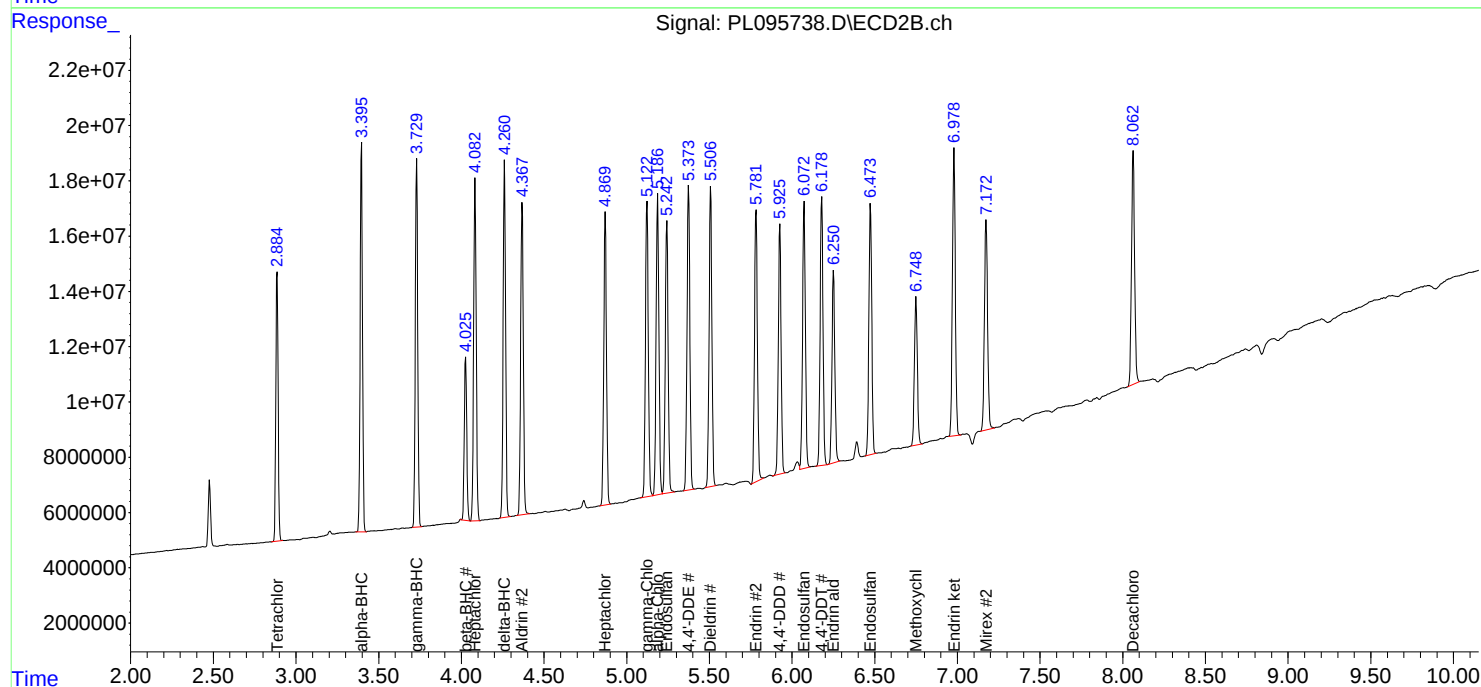
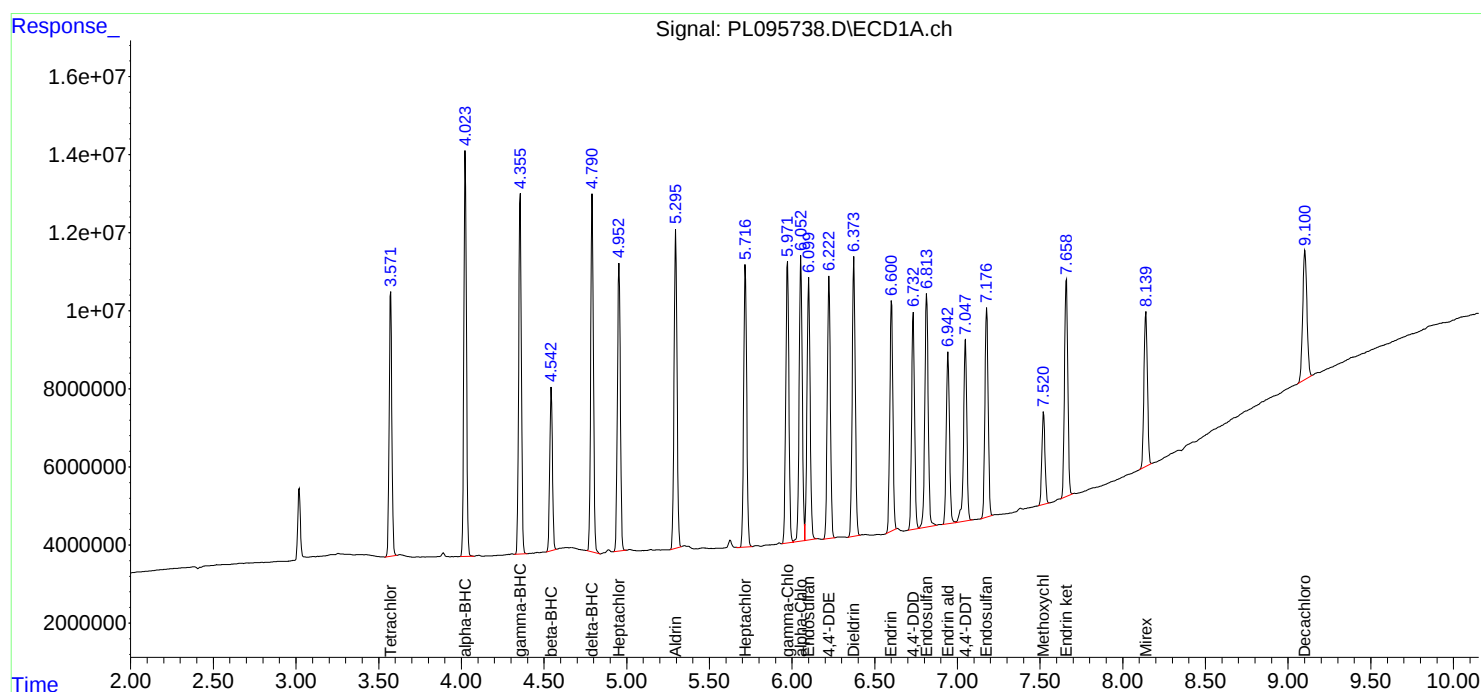
APPROVED

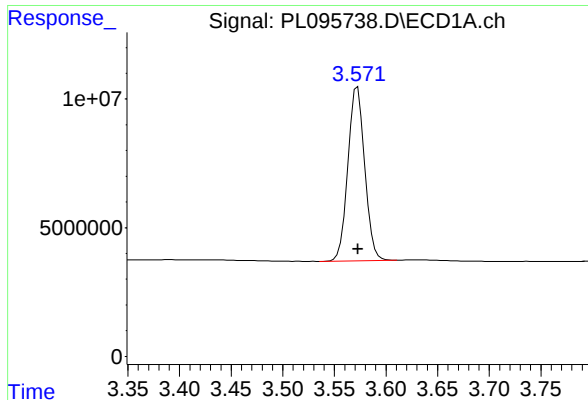
Reviewed By :Abdul Mirza 05/22/2025

Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:18:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:14:04 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





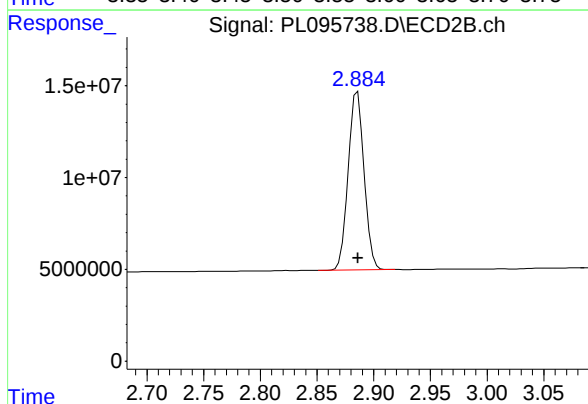
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: 0.000 min
Response: 76560586
Conc: 24.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

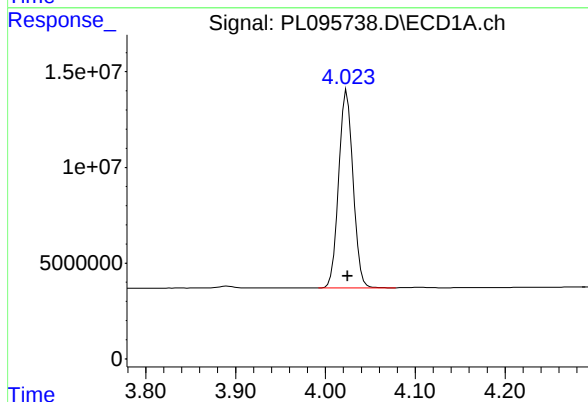
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



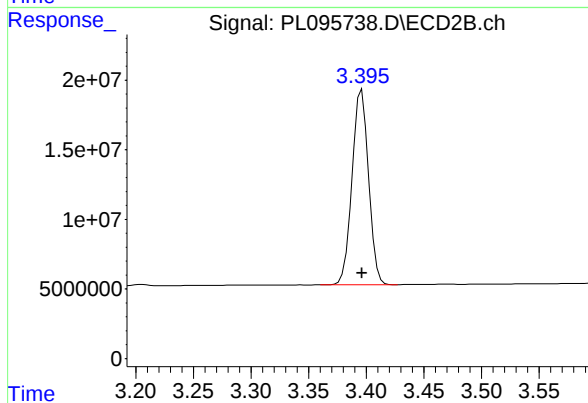
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.000 min
Response: 94950949
Conc: 24.68 ng/ml



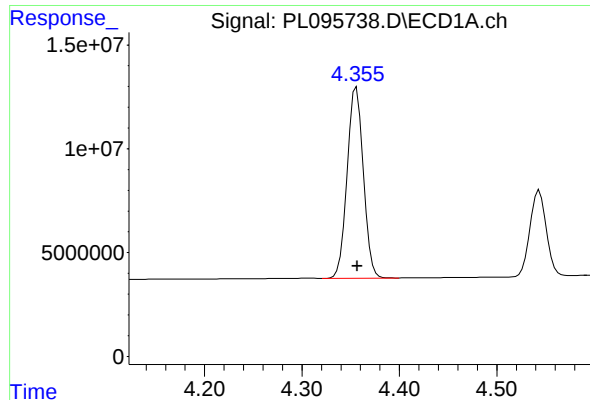
#2 alpha-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 114585864
Conc: 23.87 ng/ml



#2 alpha-BHC

R.T.: 3.396 min
Delta R.T.: 0.000 min
Response: 139199253
Conc: 23.37 ng/ml



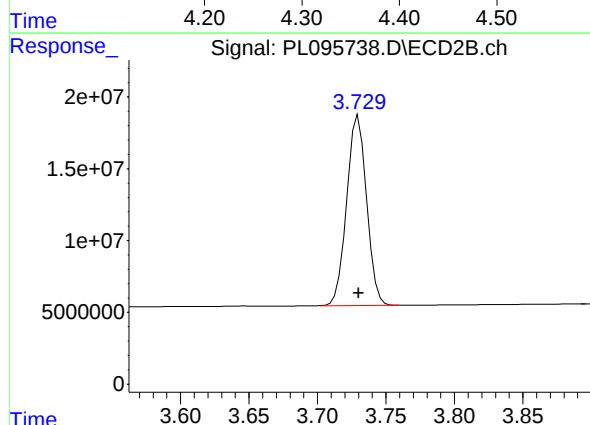
#3 gamma-BHC (Lindane)

R.T.: 4.356 min
Delta R.T.: 0.000 min
Response: 106135149
Conc: 24.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

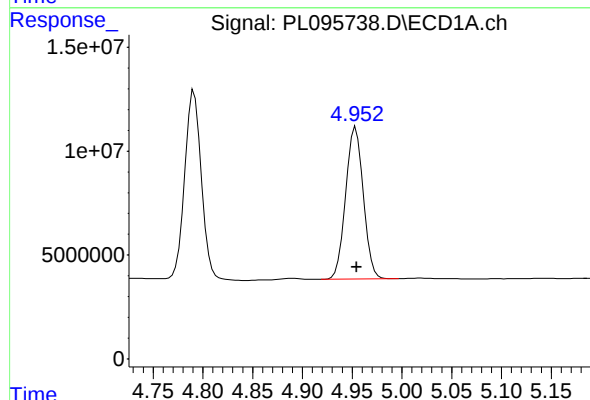
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



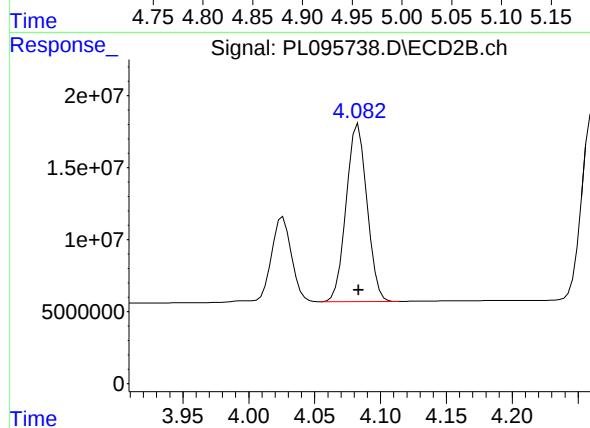
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.000 min
Response: 133853252
Conc: 23.68 ng/ml



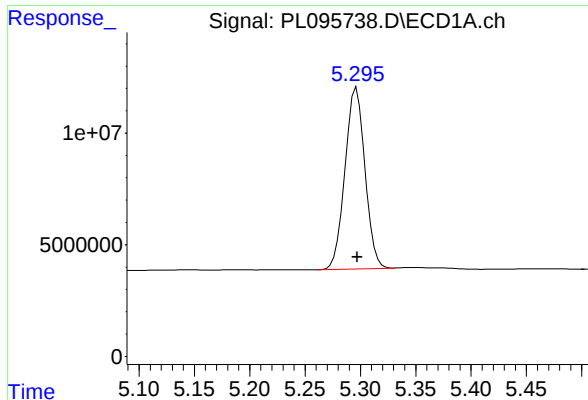
#4 Heptachlor

R.T.: 4.954 min
Delta R.T.: 0.000 min
Response: 90572384
Conc: 24.34 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 135531388
Conc: 24.15 ng/ml



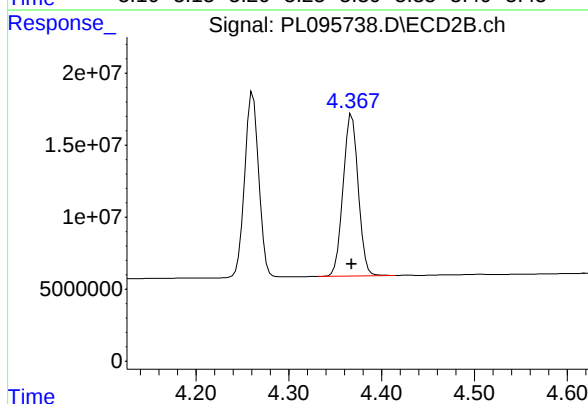
#5 Aldrin

R.T.: 5.297 min
Delta R.T.: 0.000 min
Response: 101979772
Conc: 24.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

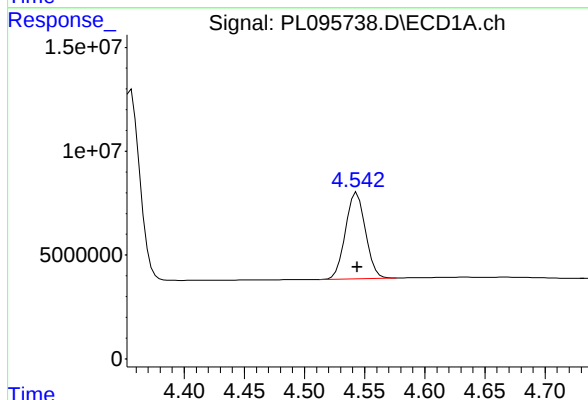
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



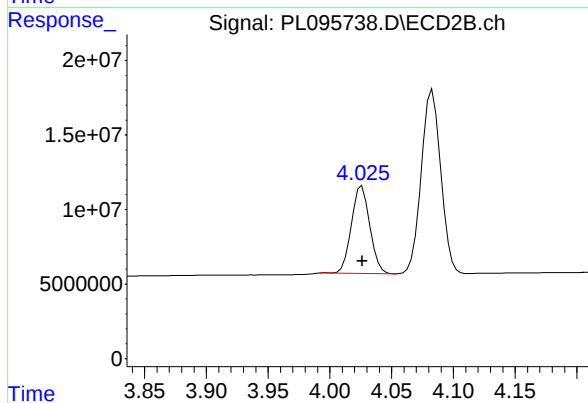
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 127353124
Conc: 23.76 ng/ml



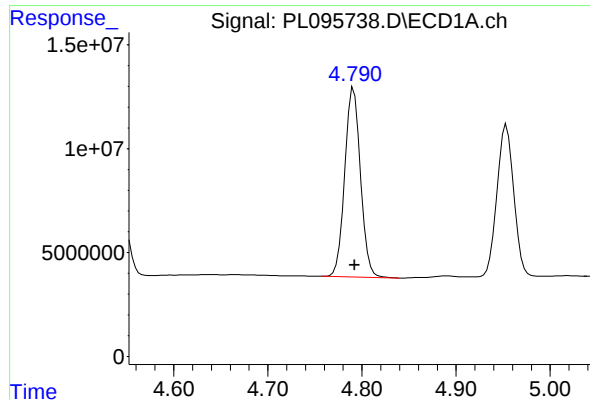
#6 beta-BHC

R.T.: 4.543 min
Delta R.T.: 0.000 min
Response: 48288222
Conc: 25.02 ng/ml



#6 beta-BHC

R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 60913646
Conc: 24.65 ng/ml



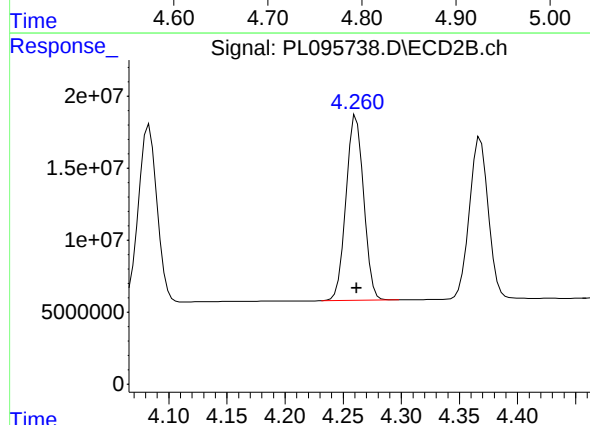
#7 delta-BHC

R.T.: 4.791 min
Delta R.T.: -0.001 min
Response: 105843753
Conc: 24.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

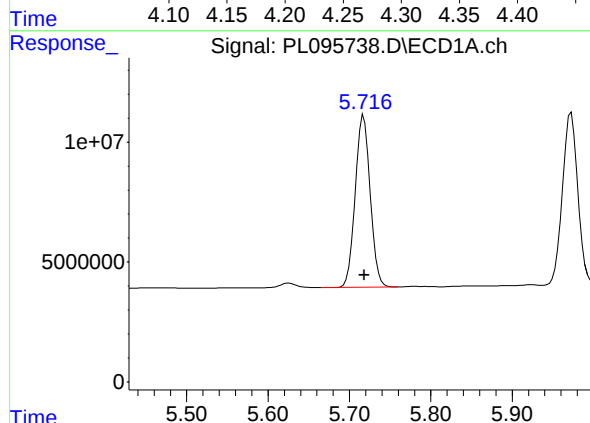
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



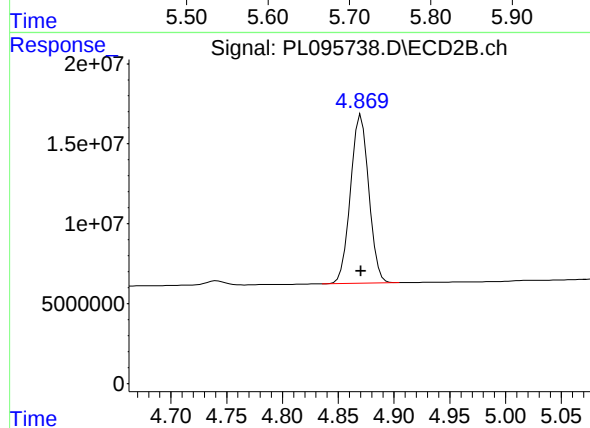
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: 0.000 min
Response: 135280168
Conc: 23.73 ng/ml



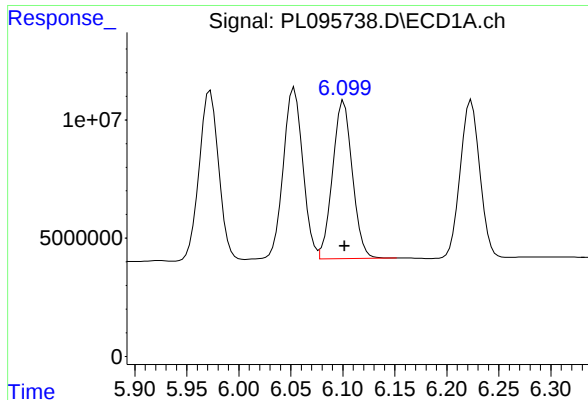
#8 Heptachlor epoxide

R.T.: 5.718 min
Delta R.T.: 0.000 min
Response: 92052683
Conc: 24.67 ng/ml



#8 Heptachlor epoxide

R.T.: 4.871 min
Delta R.T.: 0.000 min
Response: 120269114
Conc: 24.33 ng/ml



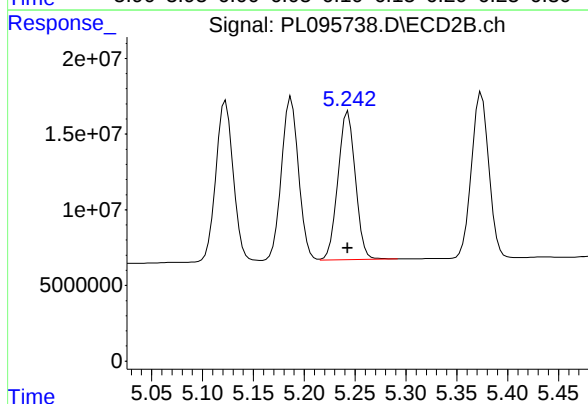
#9 Endosulfan I

R.T.: 6.101 min
Delta R.T.: 0.000 min
Response: 88752148
Conc: 24.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

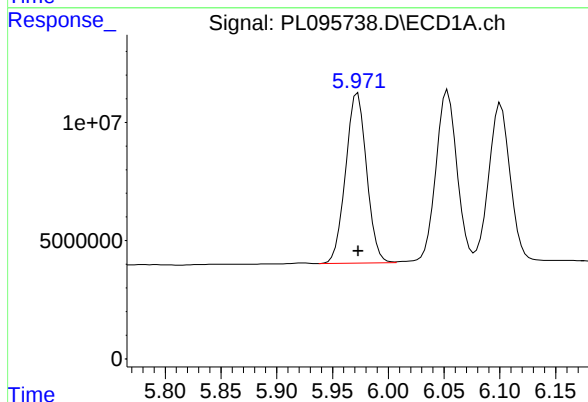
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



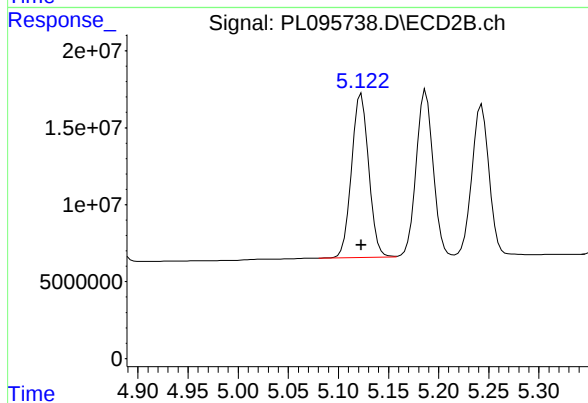
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 116711583
Conc: 24.48 ng/ml



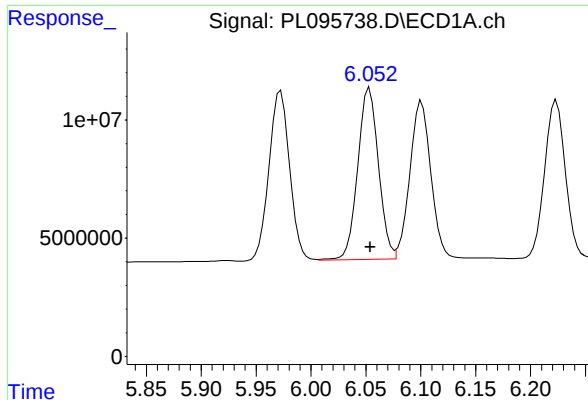
#10 gamma-Chlordane

R.T.: 5.973 min
Delta R.T.: 0.000 min
Response: 93872153
Conc: 24.41 ng/ml



#10 gamma-Chlordane

R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 126720112
Conc: 24.22 ng/ml



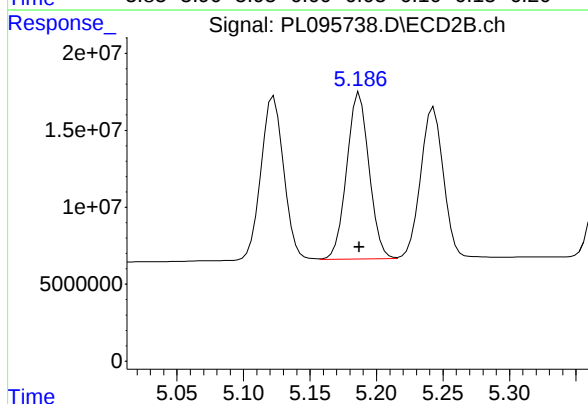
#11 alpha-Chlordane

R.T.: 6.053 min
Delta R.T.: 0.000 min
Response: 95402335
Conc: 24.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

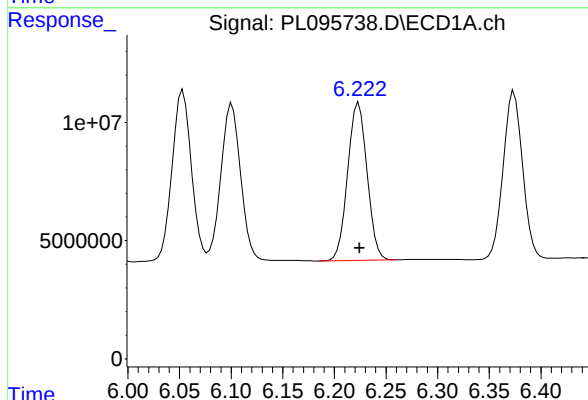
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



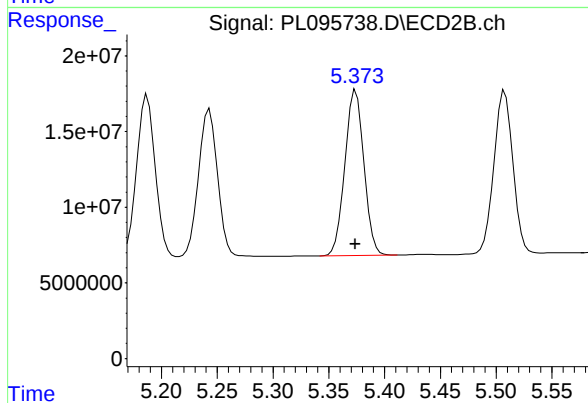
#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 126478637
Conc: 24.47 ng/ml



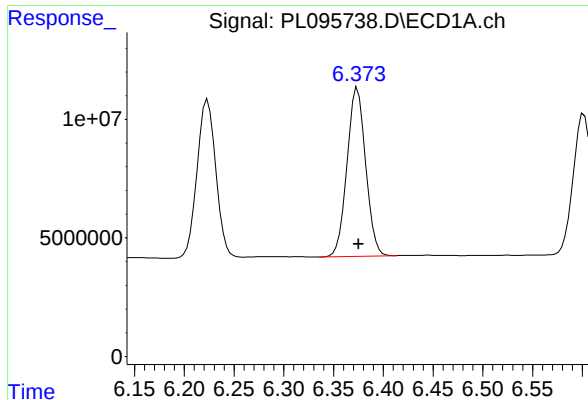
#12 4,4'-DDE

R.T.: 6.224 min
Delta R.T.: 0.000 min
Response: 87244934
Conc: 24.02 ng/ml



#12 4,4'-DDE

R.T.: 5.374 min
Delta R.T.: 0.000 min
Response: 129631725
Conc: 24.26 ng/ml



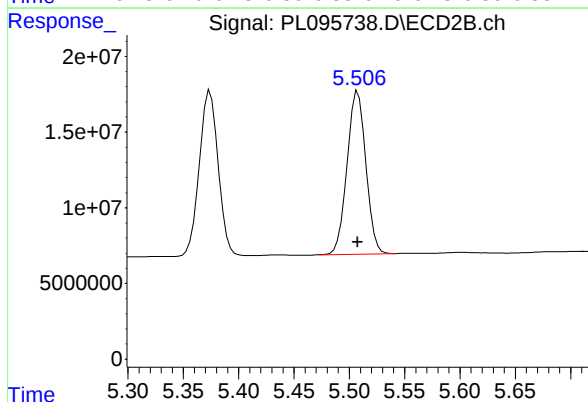
#13 Dieldrin

R.T.: 6.374 min
Delta R.T.: -0.001 min
Response: 92714141
Conc: 24.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

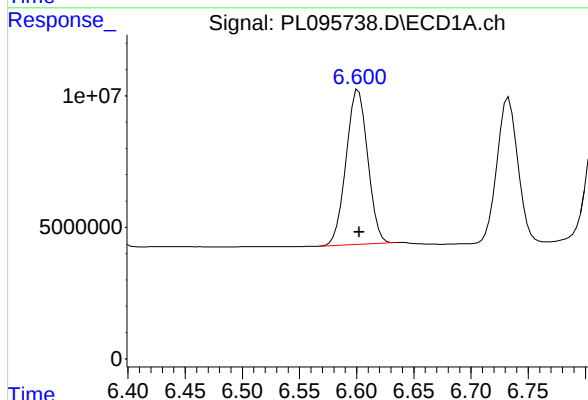
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



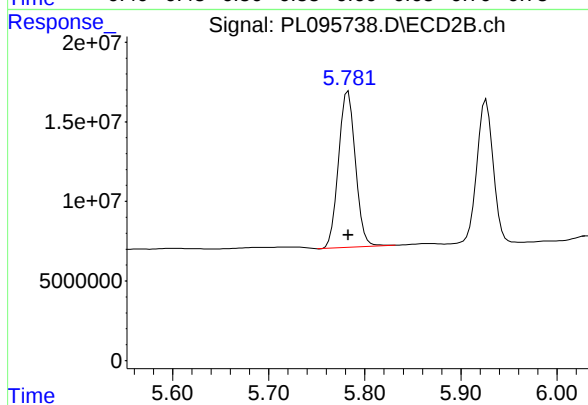
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 127594881
Conc: 24.09 ng/ml



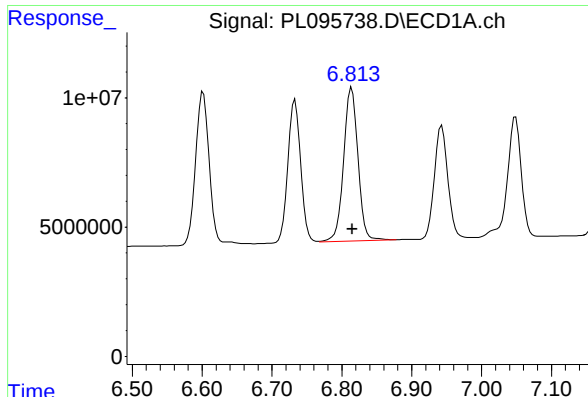
#14 Endrin

R.T.: 6.602 min
Delta R.T.: 0.000 min
Response: 77907657
Conc: 24.46 ng/ml



#14 Endrin

R.T.: 5.783 min
Delta R.T.: 0.000 min
Response: 118337806
Conc: 24.44 ng/ml



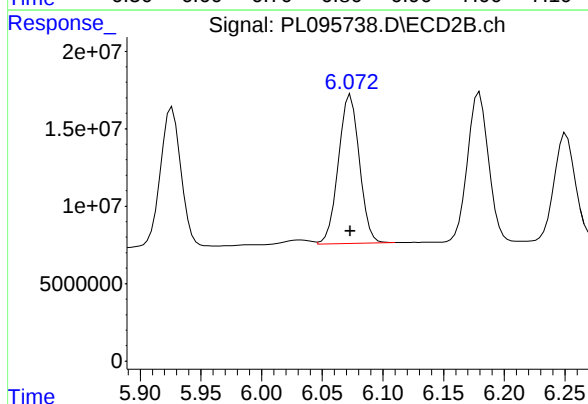
#15 Endosulfan II

R.T.: 6.814 min
Delta R.T.: -0.001 min
Response: 84624751
Conc: 25.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

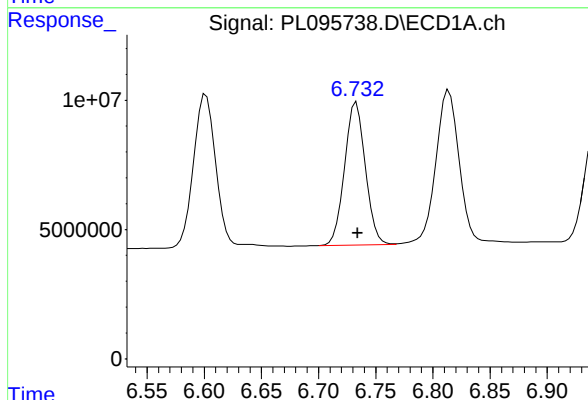
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



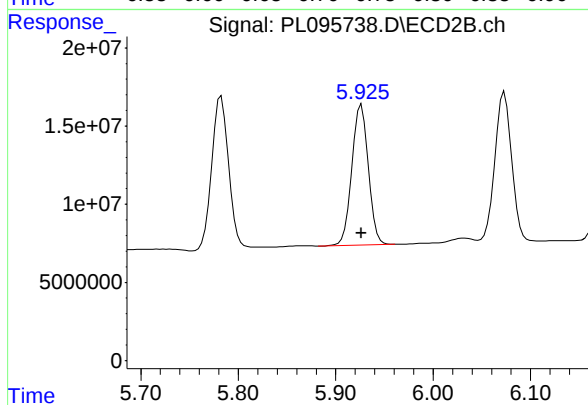
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 115251400
Conc: 24.41 ng/ml



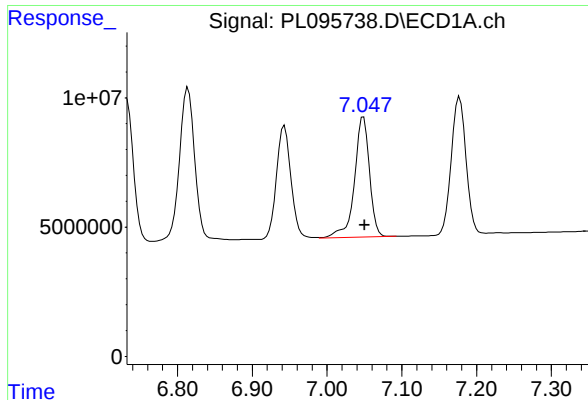
#16 4,4'-DDD

R.T.: 6.733 min
Delta R.T.: -0.001 min
Response: 70145317
Conc: 24.27 ng/ml



#16 4,4'-DDD

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 105746062
Conc: 24.01 ng/ml



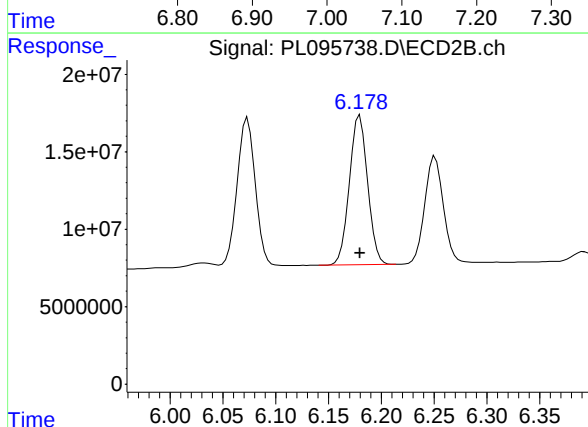
#17 4,4'-DDT

R.T.: 7.049 min
Delta R.T.: -0.001 min
Response: 64751863
Conc: 24.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

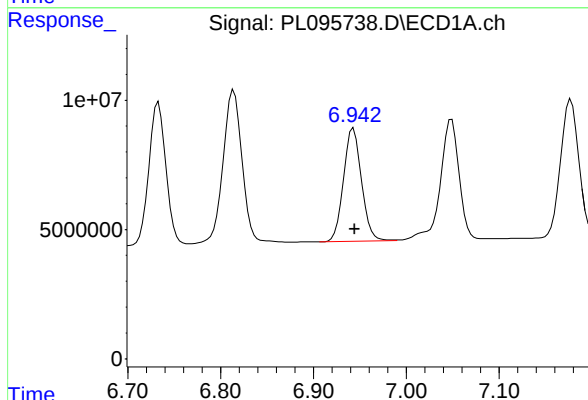
Manual Integrations
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Supervised By :mohammad ahmed 05/23/2025



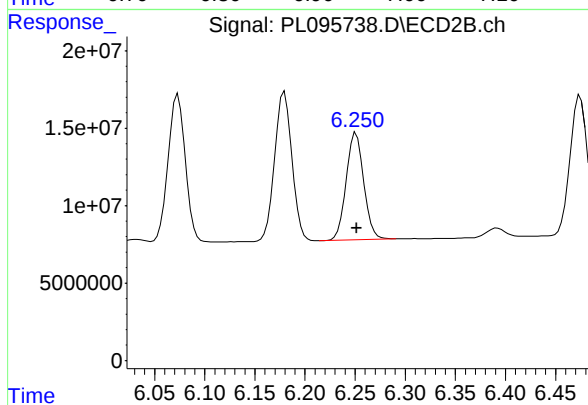
#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: 0.000 min
Response: 115918284
Conc: 24.12 ng/ml



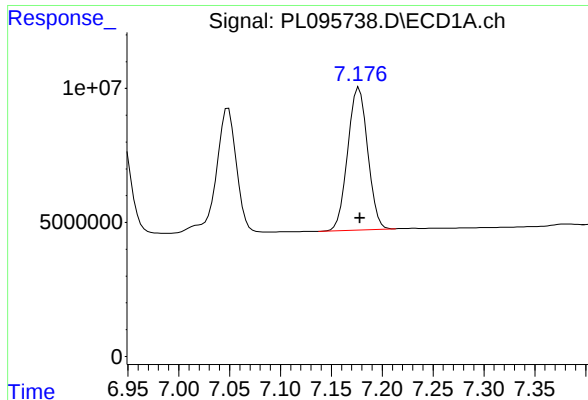
#18 Endrin aldehyde

R.T.: 6.943 min
Delta R.T.: -0.001 min
Response: 58843793
Conc: 24.87 ng/ml



#18 Endrin aldehyde

R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 84135949
Conc: 24.61 ng/ml



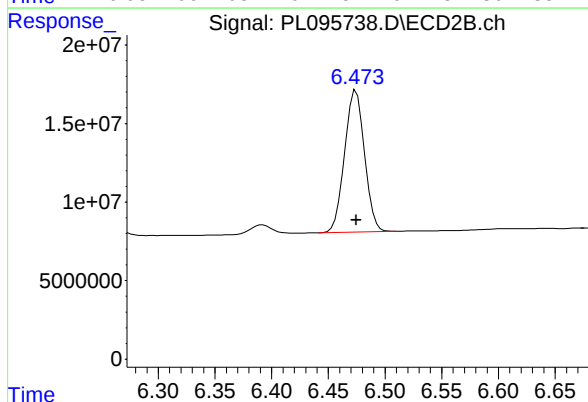
#19 Endosulfan Sulfate

R.T.: 7.177 min
Delta R.T.: -0.001 min
Response: 72659491
Conc: 24.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

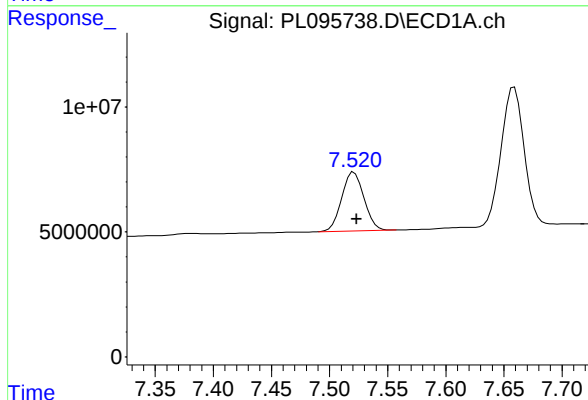
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



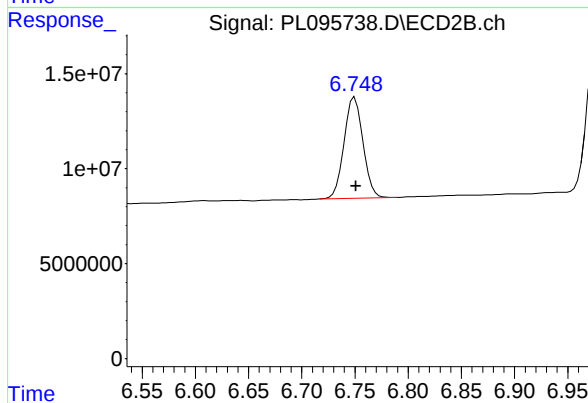
#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: 0.000 min
Response: 110256965
Conc: 24.64 ng/ml



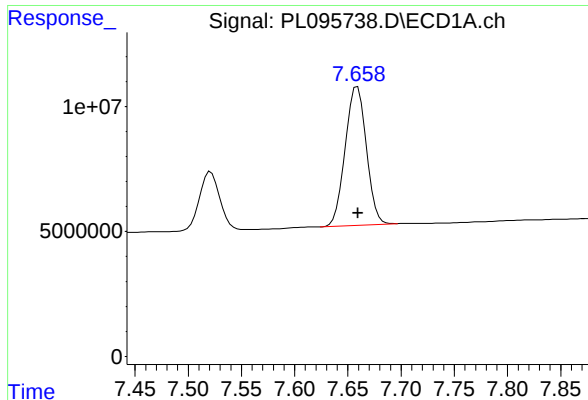
#20 Methoxychlor

R.T.: 7.521 min
Delta R.T.: -0.002 min
Response: 31284485
Conc: 24.80 ng/ml



#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 65690870
Conc: 25.34 ng/ml



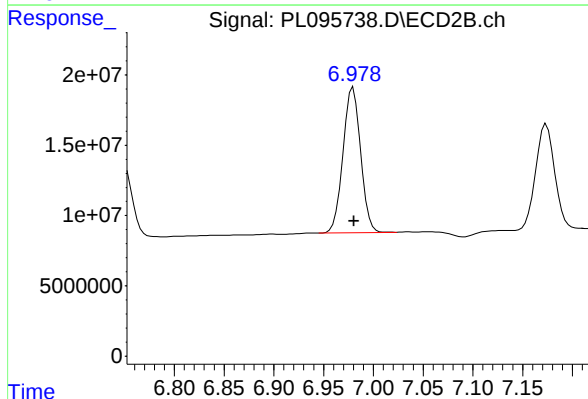
#21 Endrin ketone

R.T.: 7.658 min
Delta R.T.: -0.002 min
Response: 76716187
Conc: 24.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

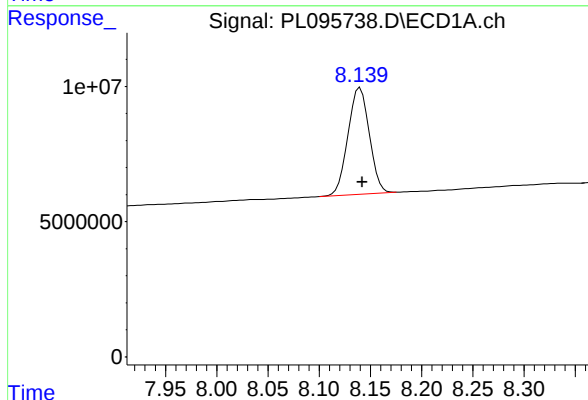
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



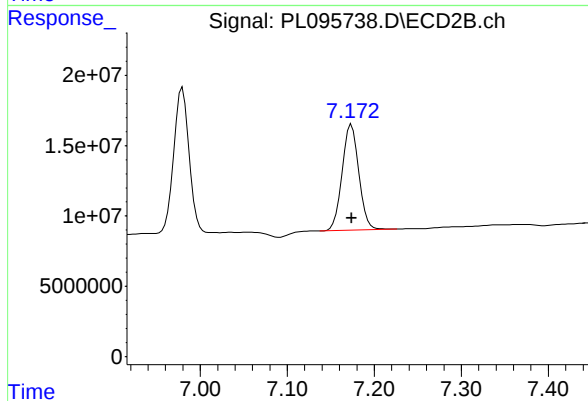
#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: 0.000 min
Response: 127401645
Conc: 24.67 ng/ml



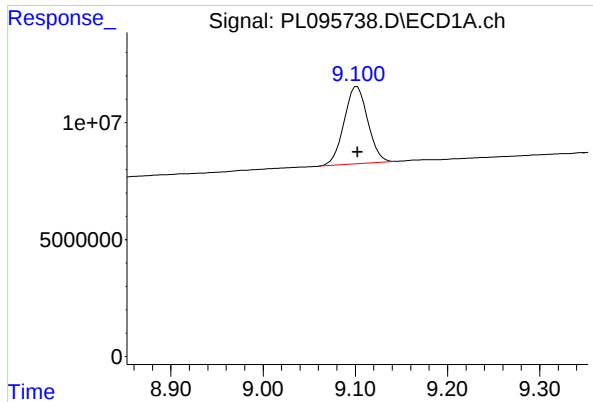
#22 Mirex

R.T.: 8.140 min
Delta R.T.: -0.002 min
Response: 57020908
Conc: 25.09 ng/ml



#22 Mirex

R.T.: 7.174 min
Delta R.T.: 0.000 min
Response: 100821592
Conc: 25.27 ng/ml



#28 Decachlorobiphenyl

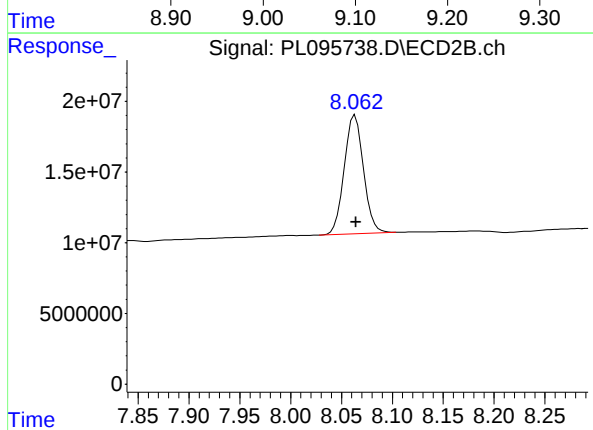
ICAL Form

R.T.: 9.102 min
Delta R.T.: 0.000 min
Response: 58871383
Conc: 25.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations
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Supervised By :mohammad ahmed 05/23/2025



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 110181832
Conc: 24.90 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
 Data File : PL095739.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 12:29
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/22/2025

Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 06:18:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:14:04 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...	3.572	2.886	17497825	21096940	5.707	5.484
28)	SA Decachlor...	9.103	8.063	12764965	22203751	5.540	5.019
Target Compounds							
2)	A alpha-BHC	4.024	3.396	24570031	28284612	5.119	4.748
3)	MA gamma-BHC...	4.356	3.730	23387598	28103979	5.314	4.972
4)	MA Heptachlor	4.954	4.083	20290863	28916844	5.452	5.153
5)	MB Aldrin	5.297	4.367	22698872	26657290	5.390	4.974
6)	B beta-BHC	4.543	4.024	10956530	13075300	5.676	5.291m
7)	B delta-BHC	4.791	4.260	23107421	27796466	5.271	4.876
8)	B Heptachlo...	5.718	4.870	21257105	26148919	5.697	5.289
9)	A Endosulfan I	6.101	5.242	19914506	24747084	5.541	5.191
10)	B gamma-Chl...	5.972	5.122	20307663	27292023	5.281	5.215
11)	B alpha-Chl...	6.054	5.187	21308053	27275610	5.506	5.276
12)	B 4,4'-DDE	6.224	5.373	19030626	28338631	5.240	5.304
13)	MA Dieldrin	6.374	5.507	20282884	27652826	5.318	5.221
14)	MA Endrin	6.601	5.782	17282532	26245470	5.426	5.421
15)	B Endosulfa...	6.813	6.072	19748605	25475691	5.938m	5.395
16)	A 4,4'-DDD	6.734	5.926	15147186	22389854	5.240	5.084
17)	MA 4,4'-DDT	7.049	6.178	14589187	24336314	5.504	5.064
18)	B Endrin al...	6.944	6.251	13442001	18961374	5.682	5.547
19)	B Endosulfa...	7.178	6.474	16401273	24080379	5.604	5.381
20)	A Methoxychlor	7.522	6.750	6867163	14215195	5.444	5.483
21)	B Endrin ke...	7.657	6.979	16646440	27643113	5.308m	5.354
22)	Mirex	8.140	7.173	12674224	23112456	5.578	5.793

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095739.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 12:29
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDICC005

Manual Integrations

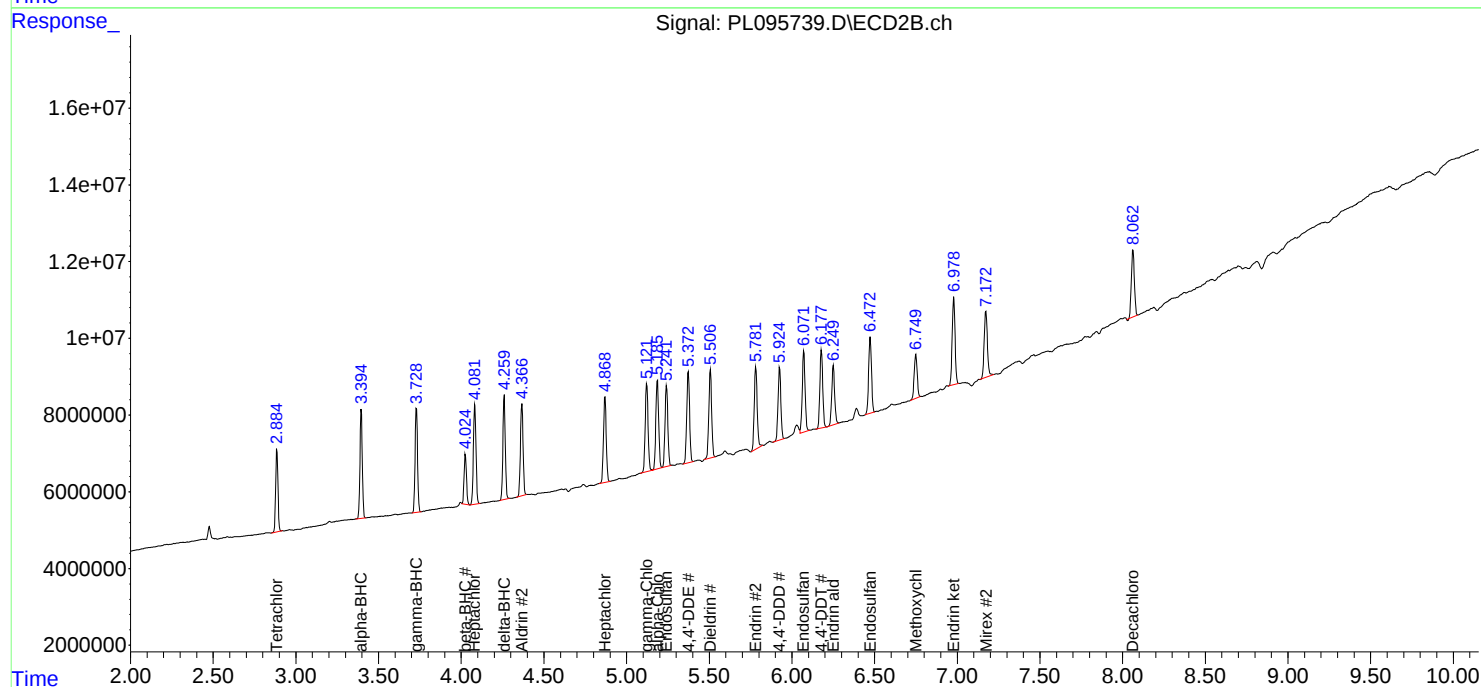
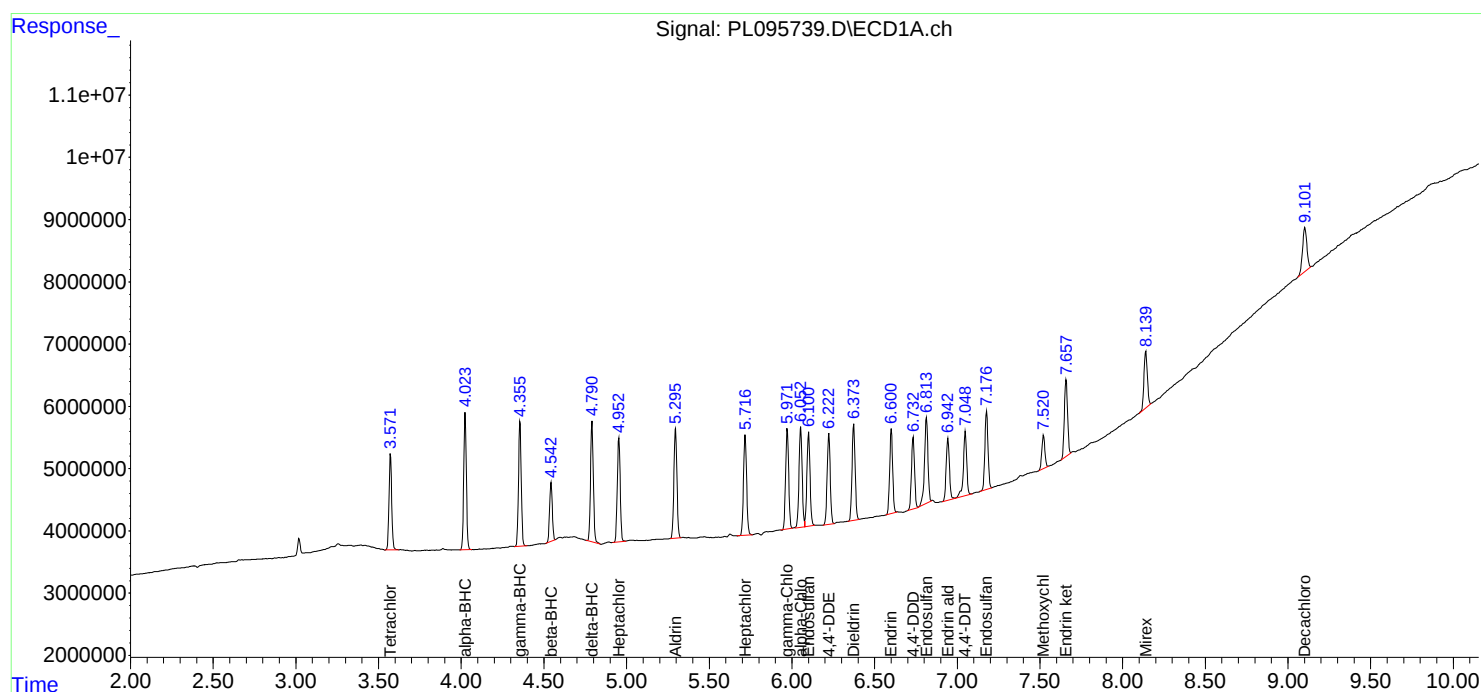
APPROVED

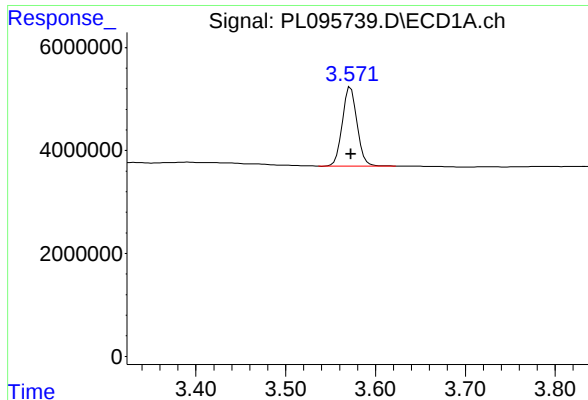
Reviewed By :Abdul Mirza 05/22/2025

Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:18:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:14:04 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





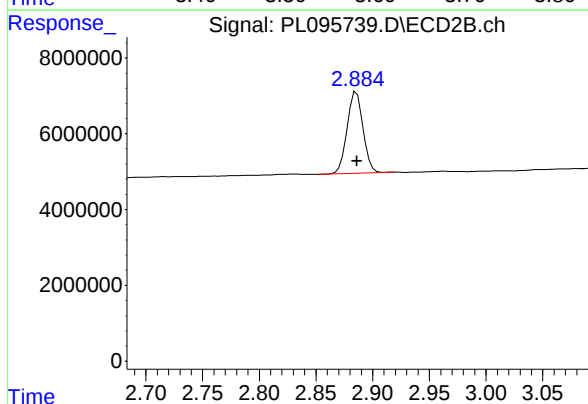
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: 0.000 min
Response: 17497825
Conc: 5.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

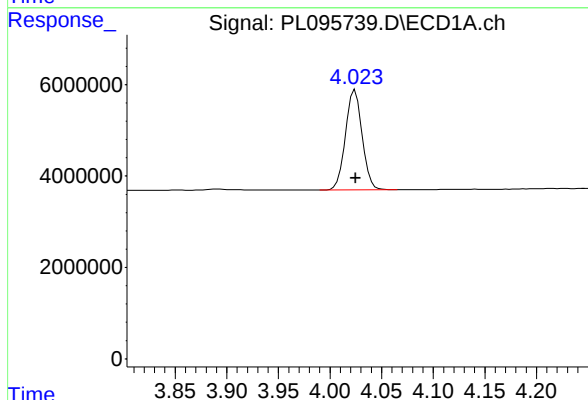
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



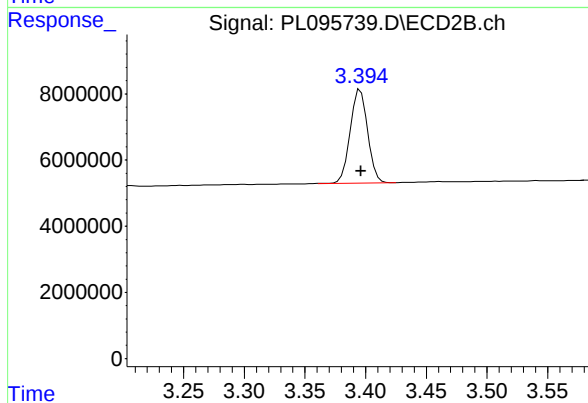
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.000 min
Response: 21096940
Conc: 5.48 ng/ml



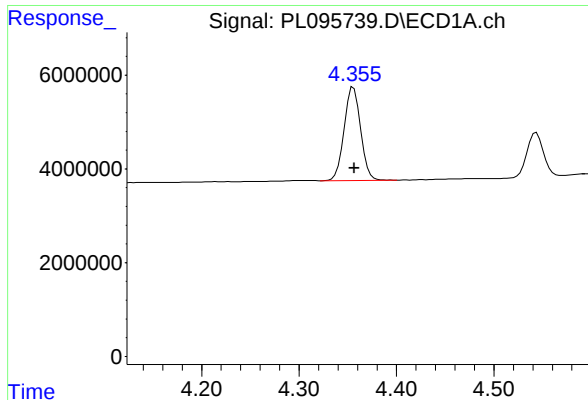
#2 alpha-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 24570031
Conc: 5.12 ng/ml



#2 alpha-BHC

R.T.: 3.396 min
Delta R.T.: 0.000 min
Response: 28284612
Conc: 4.75 ng/ml



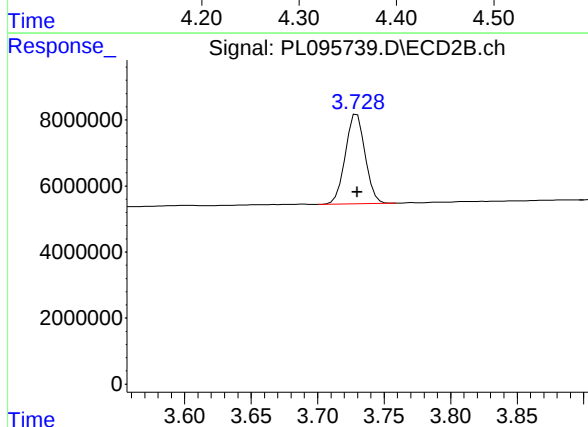
#3 gamma-BHC (Lindane)

R.T.: 4.356 min
Delta R.T.: 0.000 min
Response: 23387598
Conc: 5.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

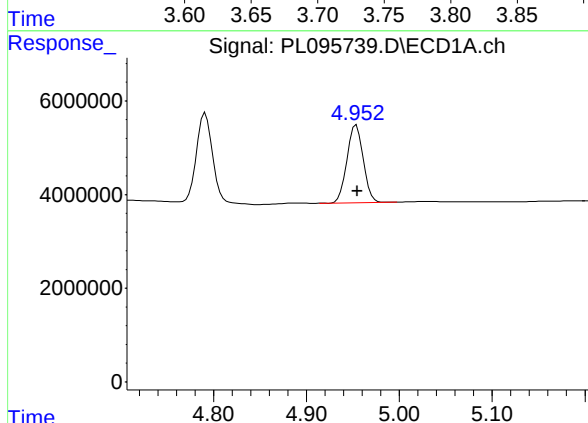
Manual Integrations
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Supervised By :mohammad ahmed 05/23/2025



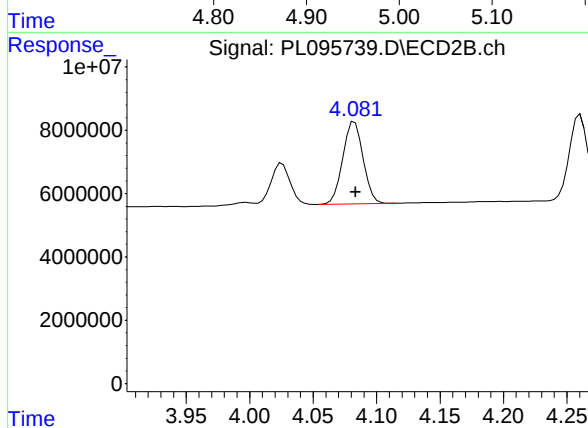
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.000 min
Response: 28103979
Conc: 4.97 ng/ml



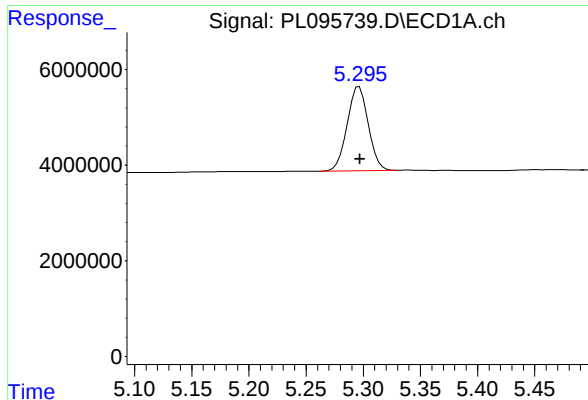
#4 Heptachlor

R.T.: 4.954 min
Delta R.T.: 0.000 min
Response: 20290863
Conc: 5.45 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 28916844
Conc: 5.15 ng/ml



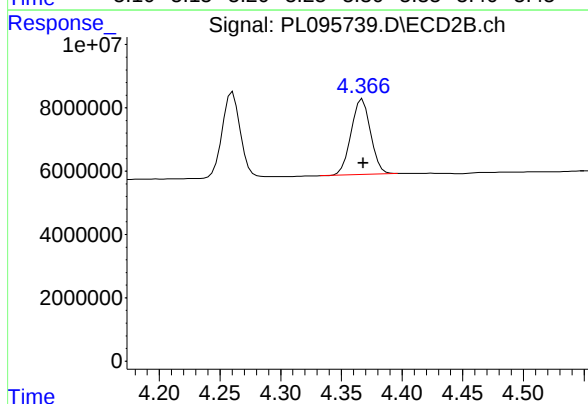
#5 Aldrin

R.T.: 5.297 min
Delta R.T.: 0.000 min
Response: 22698872
Conc: 5.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

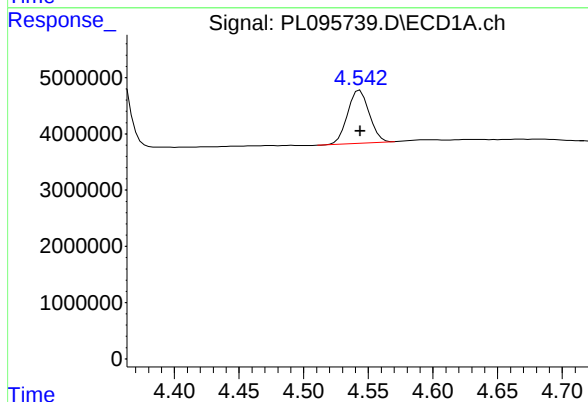
Manual Integrations
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Supervised By :mohammad ahmed 05/23/2025



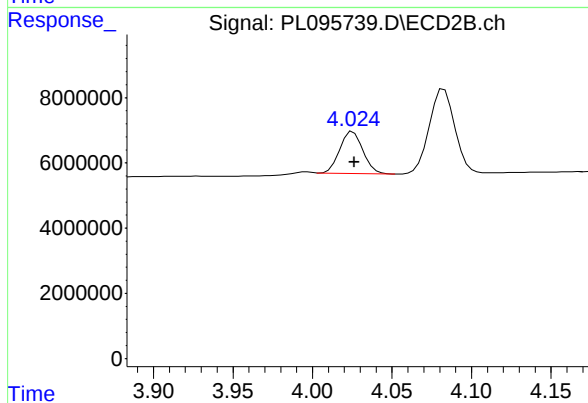
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: 0.000 min
Response: 26657290
Conc: 4.97 ng/ml



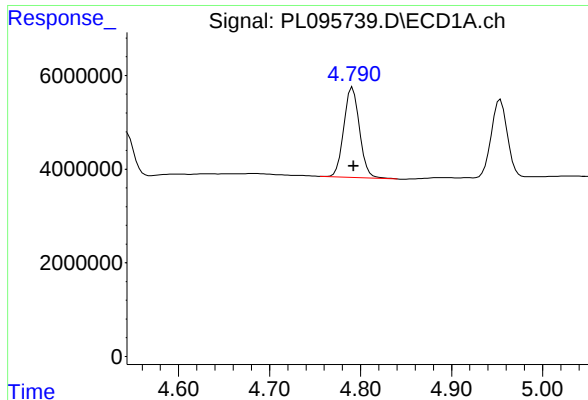
#6 beta-BHC

R.T.: 4.543 min
Delta R.T.: 0.000 min
Response: 10956530
Conc: 5.68 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: -0.002 min
Response: 13075300
Conc: 5.29 ng/ml m



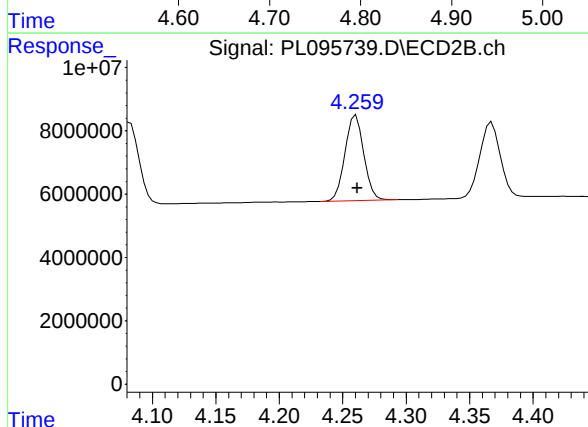
#7 delta-BHC

R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 23107421
Conc: 5.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

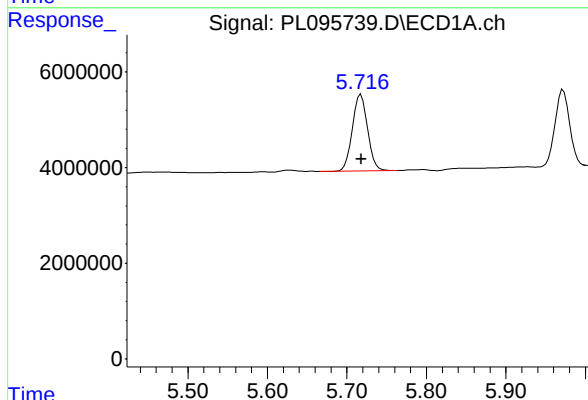
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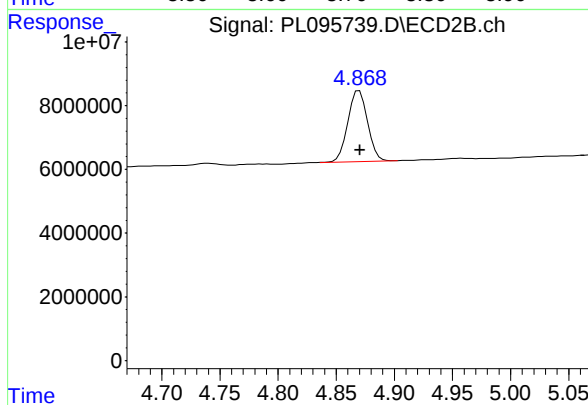
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: -0.001 min
Response: 27796466
Conc: 4.88 ng/ml



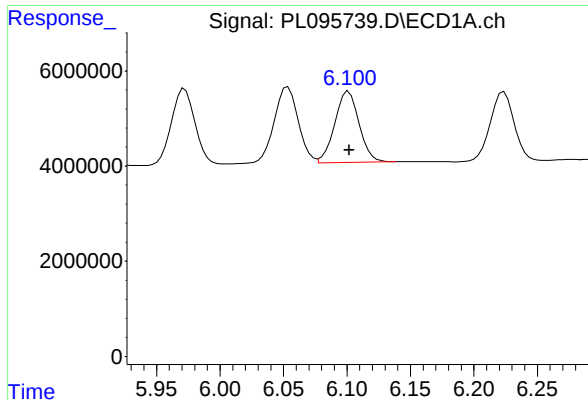
#8 Heptachlor epoxide

R.T.: 5.718 min
Delta R.T.: 0.000 min
Response: 21257105
Conc: 5.70 ng/ml



#8 Heptachlor epoxide

R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 26148919
Conc: 5.29 ng/ml



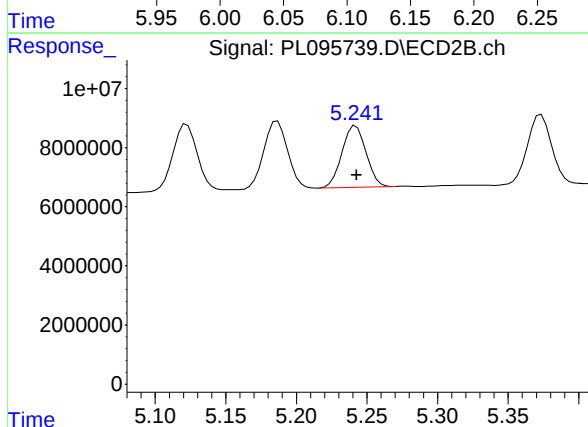
#9 Endosulfan I

R.T.: 6.101 min
Delta R.T.: 0.000 min
Response: 19914506
Conc: 5.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

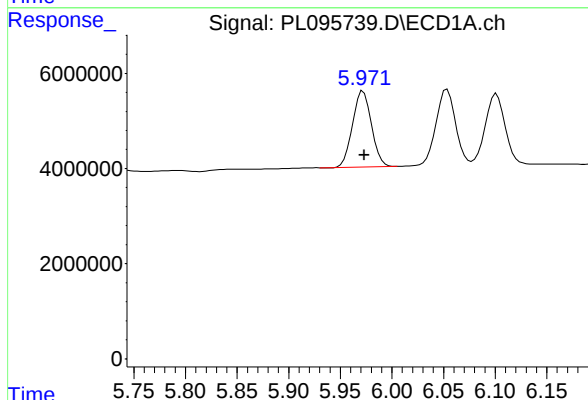
Manual Integrations
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Supervised By :mohammad ahmed 05/23/2025



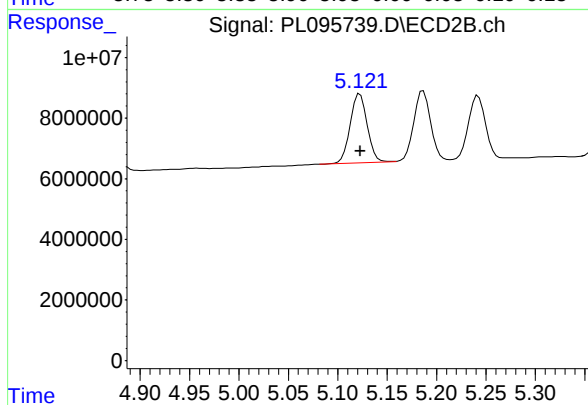
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 24747084
Conc: 5.19 ng/ml



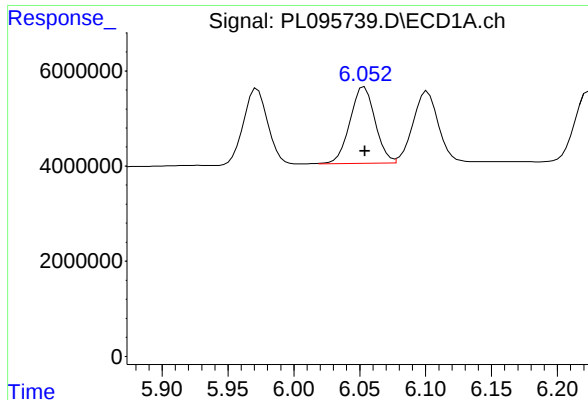
#10 gamma-Chlordane

R.T.: 5.972 min
Delta R.T.: 0.000 min
Response: 20307663
Conc: 5.28 ng/ml



#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 27292023
Conc: 5.22 ng/ml



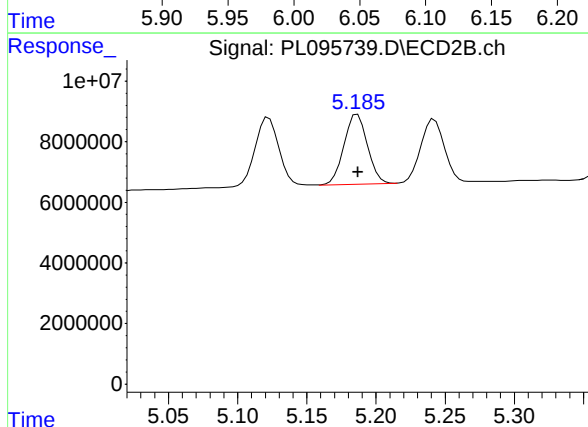
#11 alpha-Chlordane

R.T.: 6.054 min
Delta R.T.: 0.000 min
Response: 21308053
Conc: 5.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

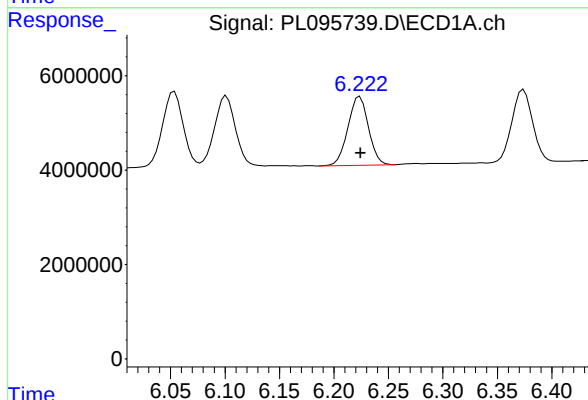
Manual Integrations
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Supervised By :mohammad ahmed 05/23/2025



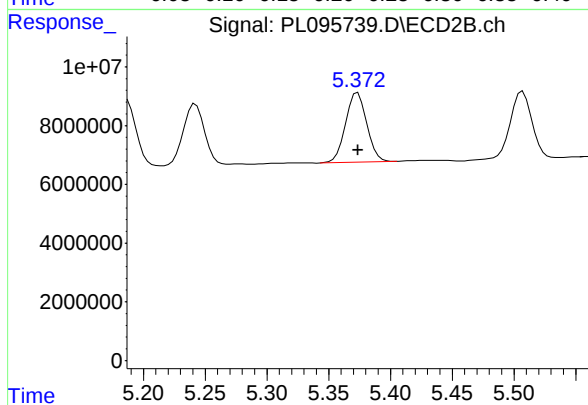
#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 27275610
Conc: 5.28 ng/ml



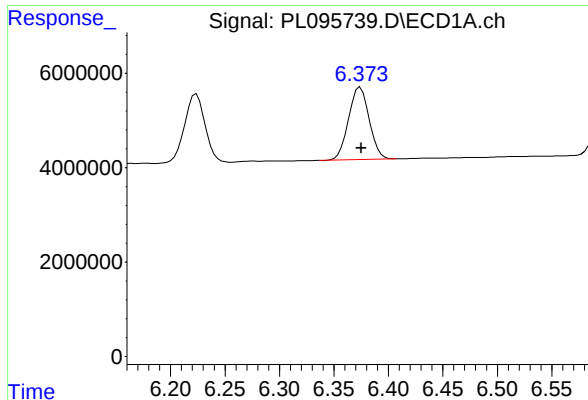
#12 4,4'-DDE

R.T.: 6.224 min
Delta R.T.: 0.000 min
Response: 19030626
Conc: 5.24 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 28338631
Conc: 5.30 ng/ml



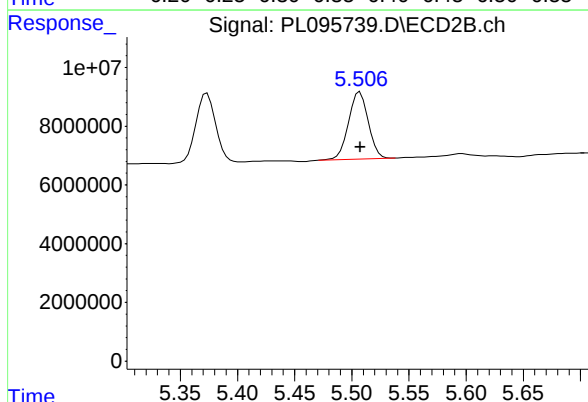
#13 Dieldrin

R.T.: 6.374 min
Delta R.T.: -0.001 min
Response: 20282884
Conc: 5.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

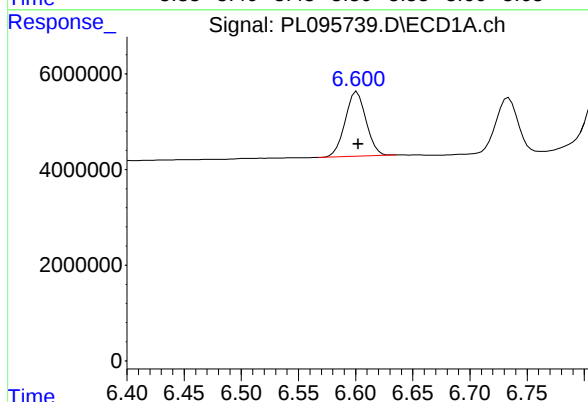
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



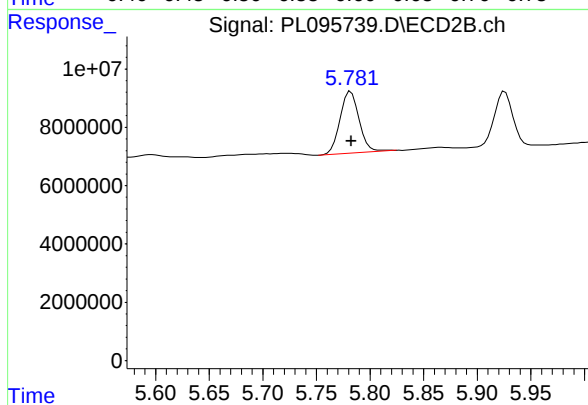
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 27652826
Conc: 5.22 ng/ml



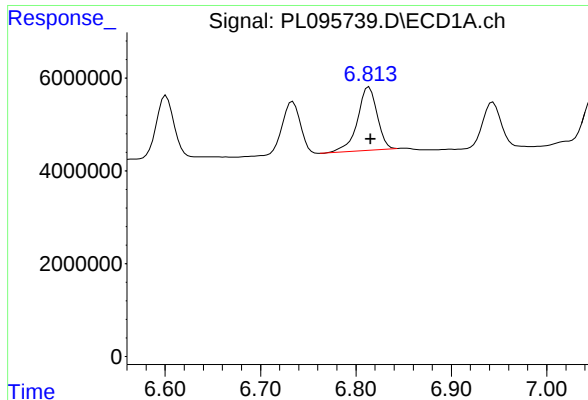
#14 Endrin

R.T.: 6.601 min
Delta R.T.: -0.001 min
Response: 17282532
Conc: 5.43 ng/ml



#14 Endrin

R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 26245470
Conc: 5.42 ng/ml



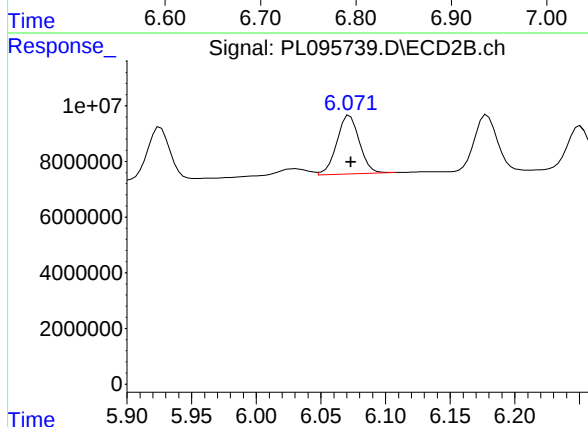
#15 Endosulfan II

R.T.: 6.813 min
Delta R.T.: -0.003 min
Response: 19748605
Conc: 5.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

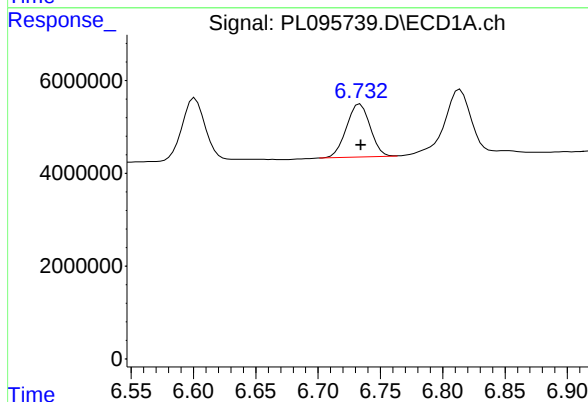
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



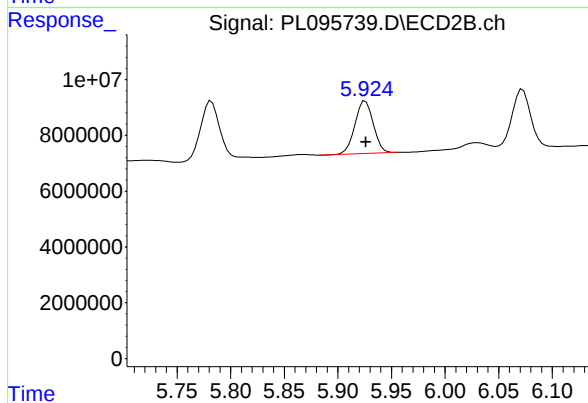
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 25475691
Conc: 5.40 ng/ml



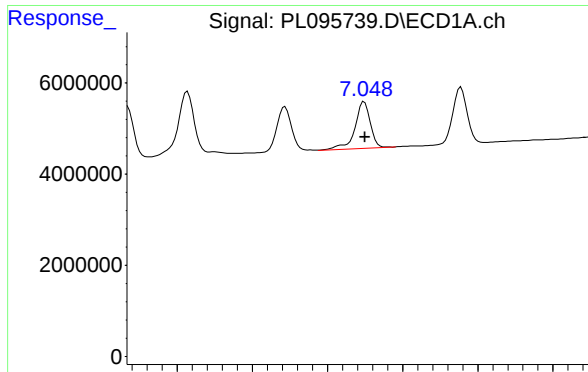
#16 4,4'-DDD

R.T.: 6.734 min
Delta R.T.: 0.000 min
Response: 15147186
Conc: 5.24 ng/ml



#16 4,4'-DDD

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 22389854
Conc: 5.08 ng/ml



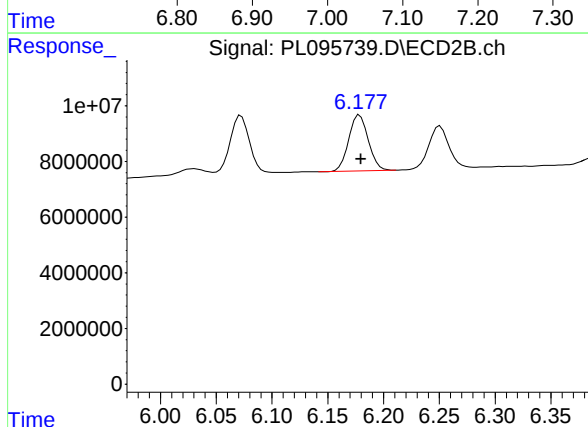
#17 4,4'-DDT

R.T.: 7.049 min
Delta R.T.: 0.000 min
Response: 14589187
Conc: 5.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

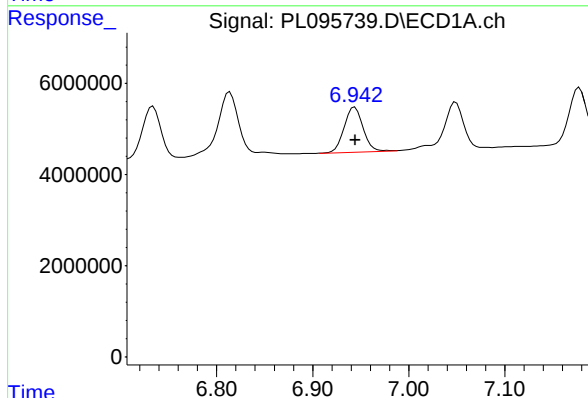
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



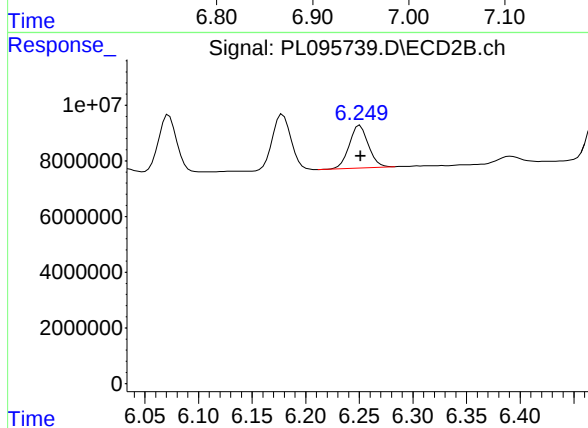
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: -0.001 min
Response: 24336314
Conc: 5.06 ng/ml



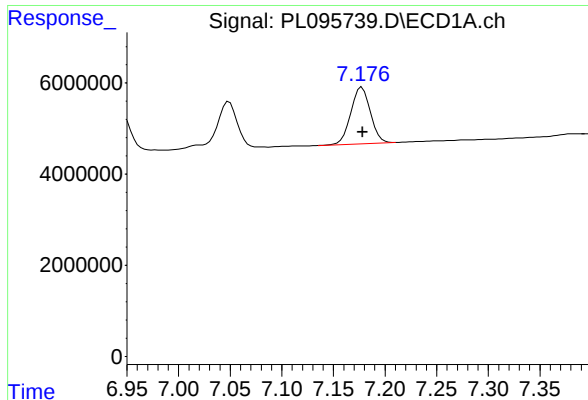
#18 Endrin aldehyde

R.T.: 6.944 min
Delta R.T.: 0.000 min
Response: 13442001
Conc: 5.68 ng/ml



#18 Endrin aldehyde

R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 18961374
Conc: 5.55 ng/ml



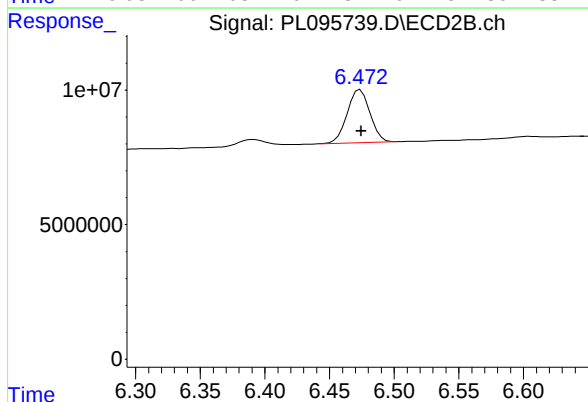
#19 Endosulfan Sulfate

R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 16401273
Conc: 5.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

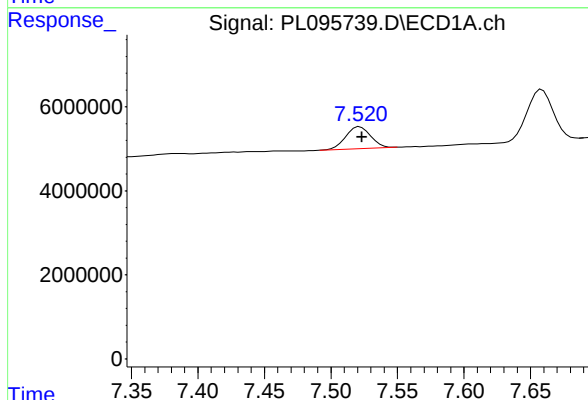
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



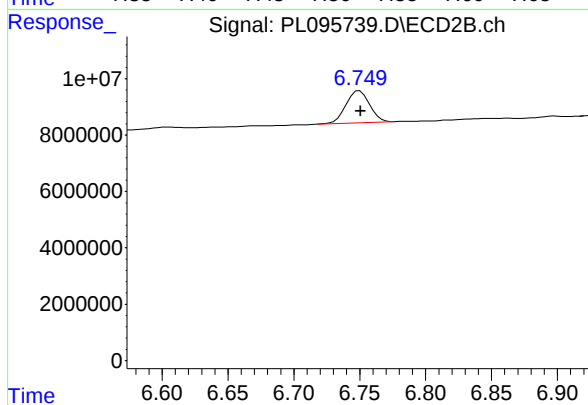
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 24080379
Conc: 5.38 ng/ml



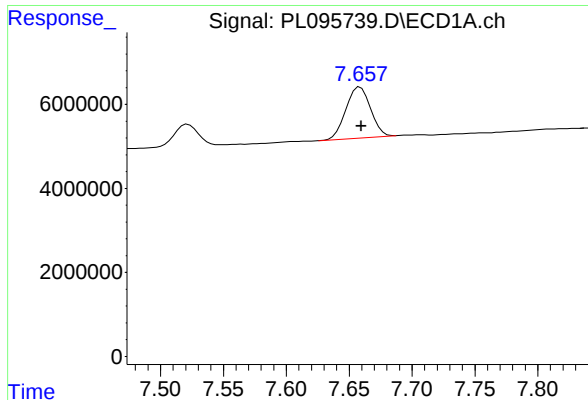
#20 Methoxychlor

R.T.: 7.522 min
Delta R.T.: -0.001 min
Response: 6867163
Conc: 5.44 ng/ml



#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 14215195
Conc: 5.48 ng/ml



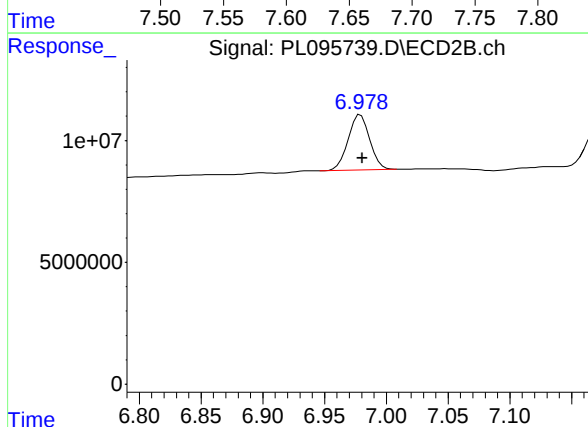
#21 Endrin ketone

R.T.: 7.657 min
Delta R.T.: -0.003 min
Response: 16646440
Conc: 5.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

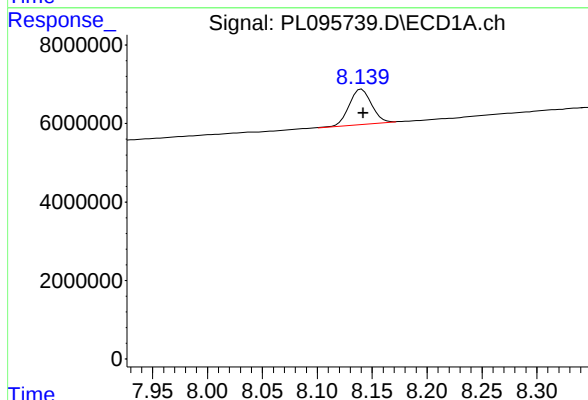
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



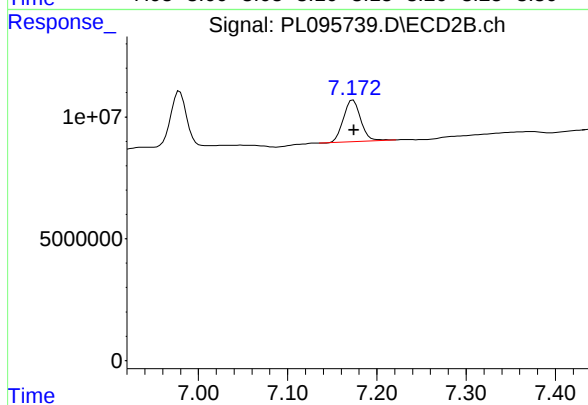
#21 Endrin ketone

R.T.: 6.979 min
Delta R.T.: -0.001 min
Response: 27643113
Conc: 5.35 ng/ml



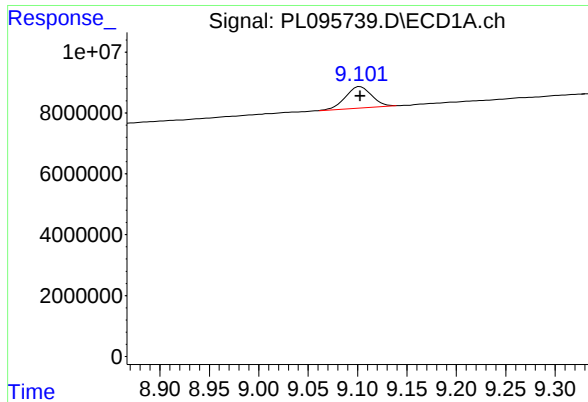
#22 Mirex

R.T.: 8.140 min
Delta R.T.: -0.001 min
Response: 12674224
Conc: 5.58 ng/ml



#22 Mirex

R.T.: 7.173 min
Delta R.T.: 0.000 min
Response: 23112456
Conc: 5.79 ng/ml



#28 Decachlorobiphenyl

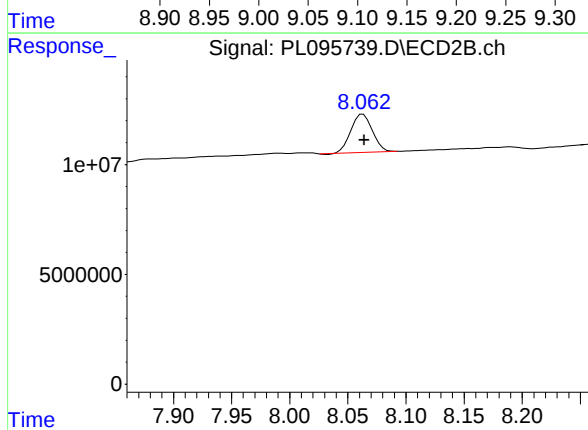
ICAL Form

R.T.: 9.103 min
Delta R.T.: 0.000 min
Response: 12764965
Conc: 5.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.001 min
Response: 22203751
Conc: 5.02 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
 Data File : PL095742.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 13:10
 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: May 22 05:53:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 05:52:46 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.573	2.885	151.3E6	249.3E6	50.000	50.000
28) SA Decachlor...	9.104	8.063	112.9E6	221.5E6	50.000	50.000
Target Compounds						
23) Chlordane-1	4.739	3.906	87581330	95105811	500.000	500.000
24) Chlordane-2	5.267	4.487	93352484	108.4E6	500.000	500.000
25) Chlordane-3	5.973	5.123	364.7E6	326.3E6	500.000	500.000
26) Chlordane-4	6.058	5.187	443.9E6	282.5E6	500.000	500.000
27) Chlordane-5	6.899	6.082	66738900	124.7E6	500.000	500.000

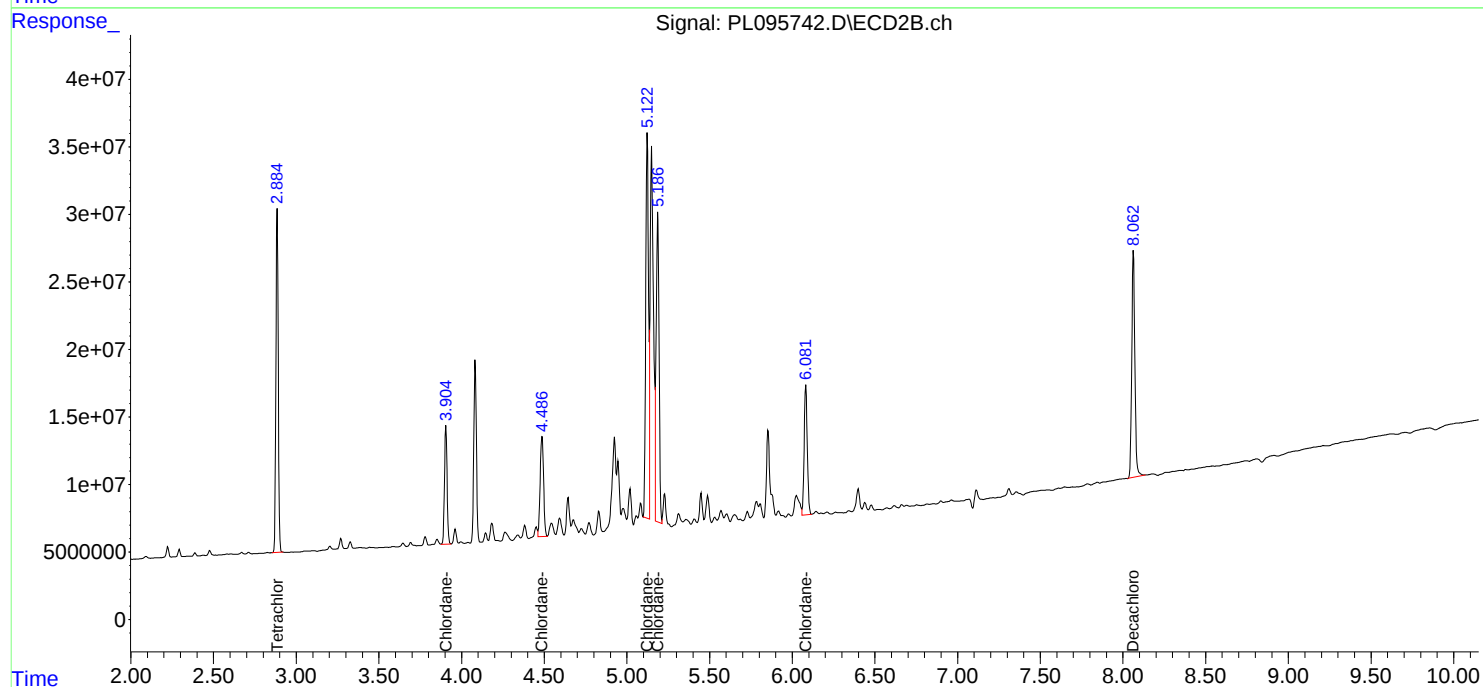
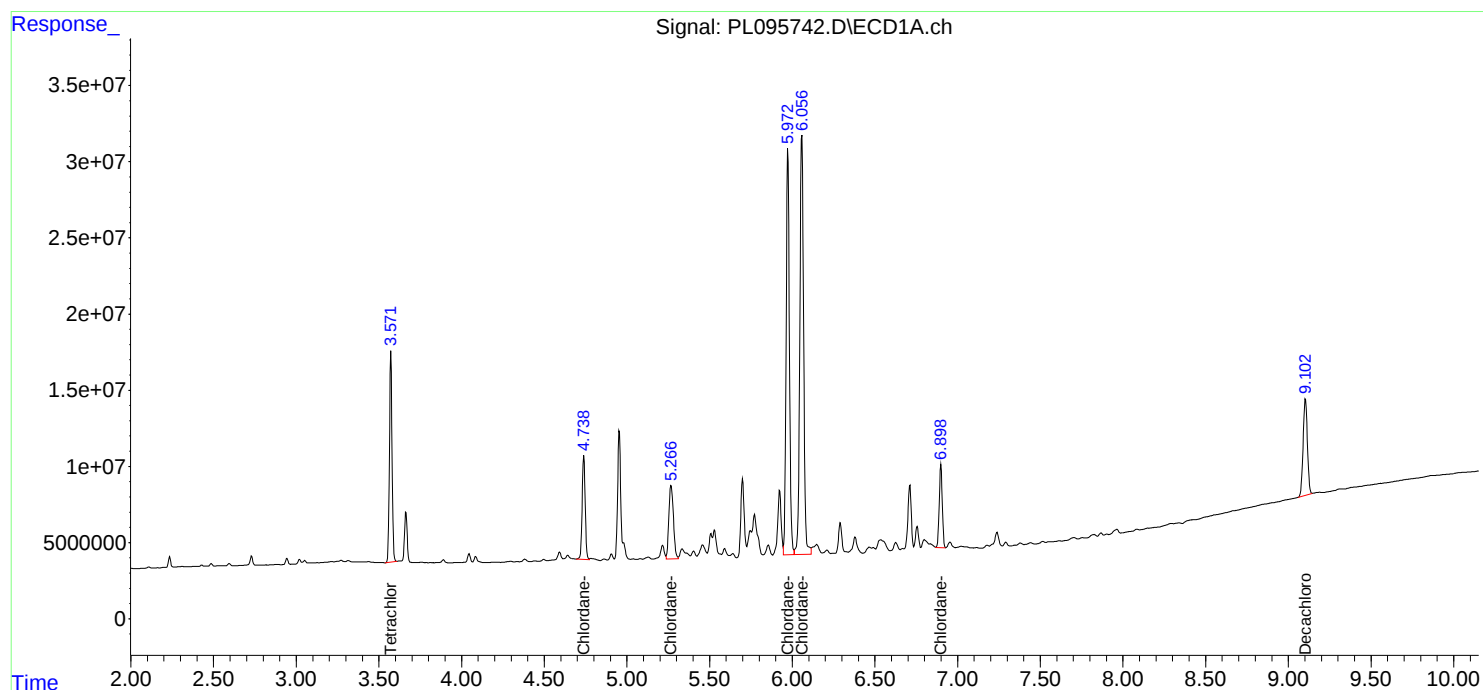
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

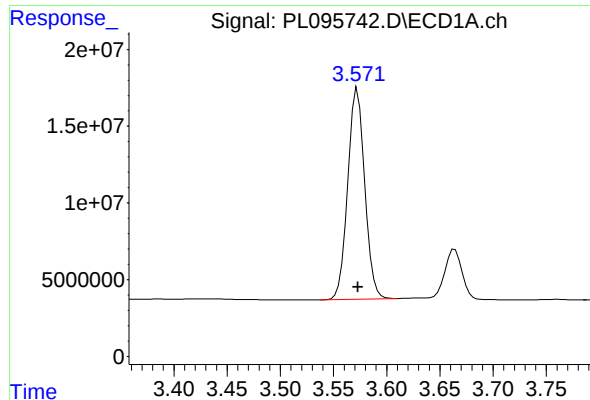
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095742.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 13:10
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 05:53:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 05:52:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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

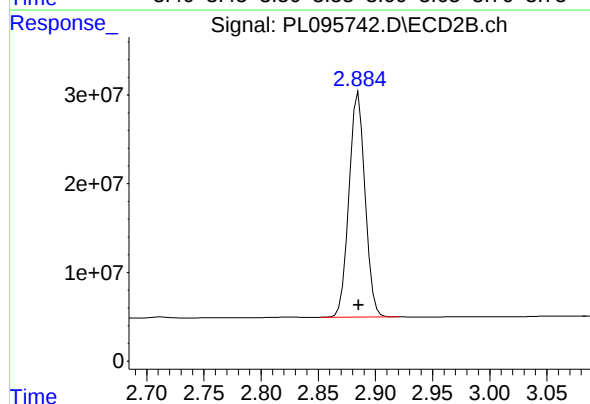




#1 Tetrachloro-m-xylene

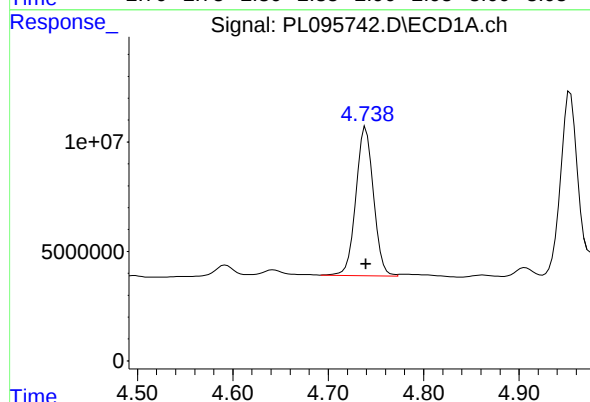
R.T.: 3.573 min
Delta R.T.: 0.000 min
Response: 151287484
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



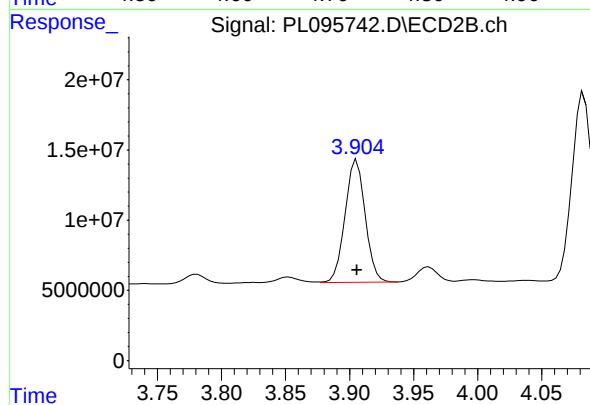
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.000 min
Response: 249308265
Conc: 50.00 ng/ml



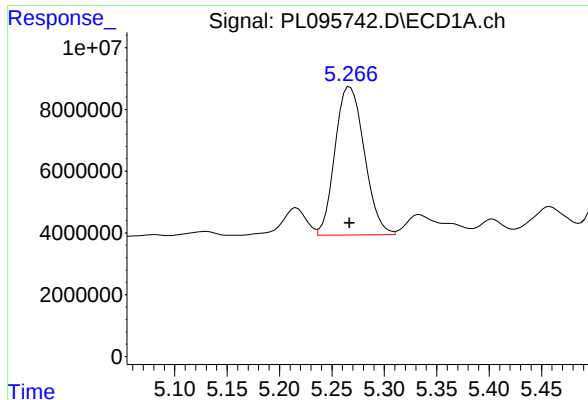
#23 Chlordane-1

R.T.: 4.739 min
Delta R.T.: 0.000 min
Response: 87581330
Conc: 500.00 ng/ml



#23 Chlordane-1

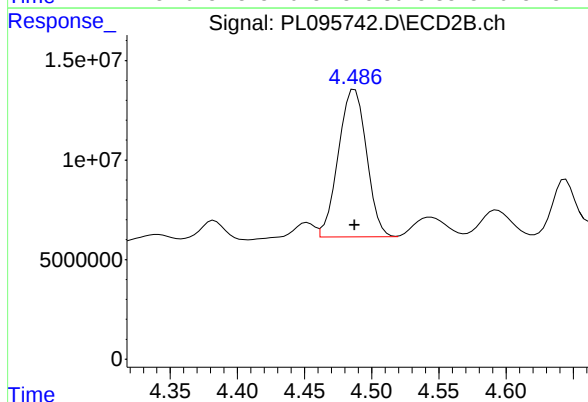
R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 95105811
Conc: 500.00 ng/ml



#24 Chlordane-2

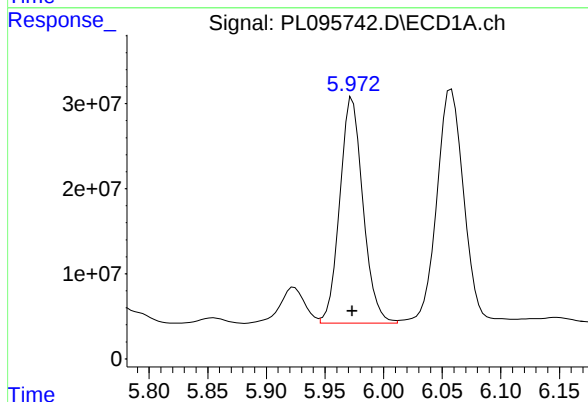
R.T.: 5.267 min
Delta R.T.: 0.000 min
Response: 93352484
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



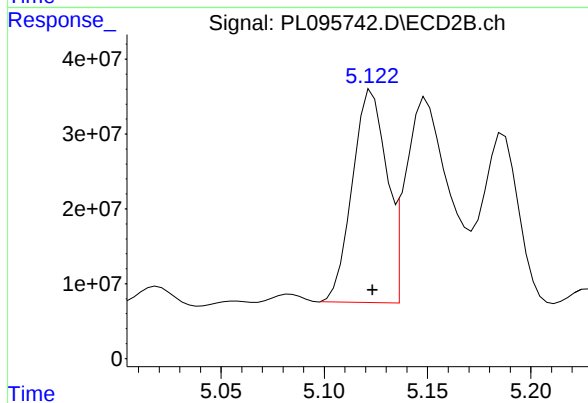
#24 Chlordane-2

R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 108383676
Conc: 500.00 ng/ml



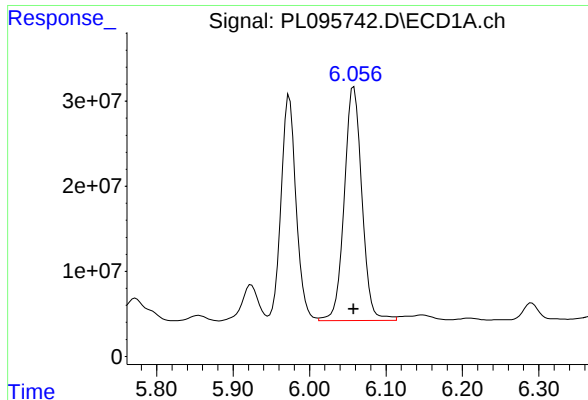
#25 Chlordane-3

R.T.: 5.973 min
Delta R.T.: 0.000 min
Response: 364691357
Conc: 500.00 ng/ml



#25 Chlordane-3

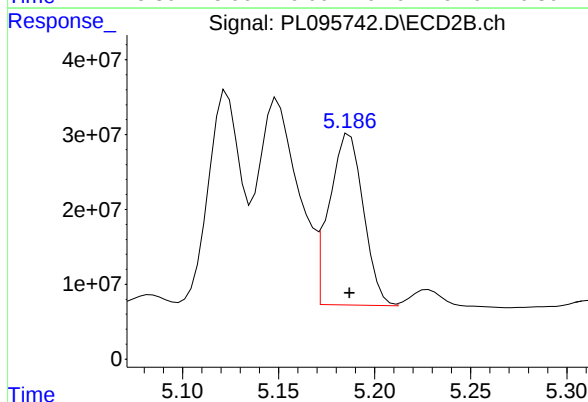
R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 326252241
Conc: 500.00 ng/ml



#26 Chlordane-4

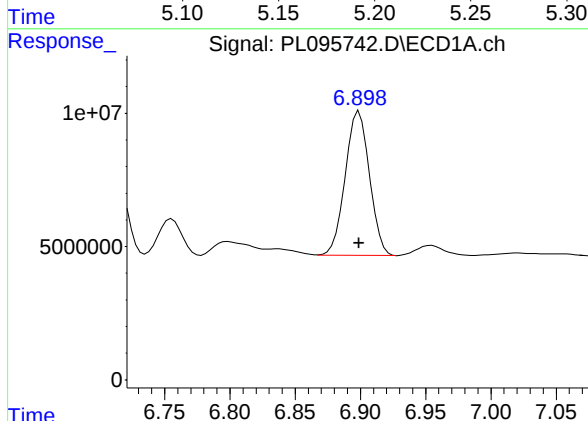
R.T.: 6.058 min
Delta R.T.: 0.000 min
Response: 443912706
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



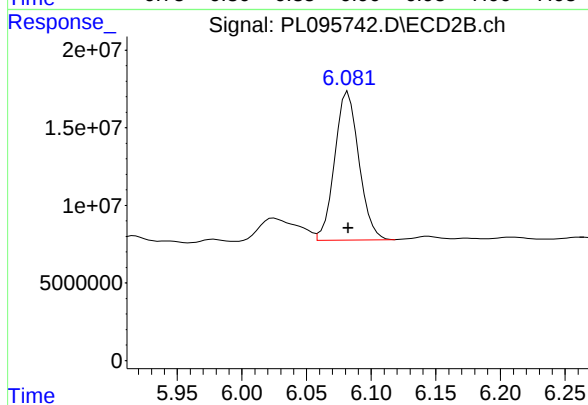
#26 Chlordane-4

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 282469516
Conc: 500.00 ng/ml



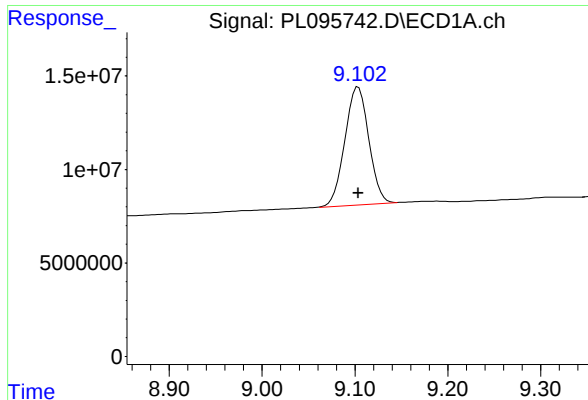
#27 Chlordane-5

R.T.: 6.899 min
Delta R.T.: 0.000 min
Response: 66738900
Conc: 500.00 ng/ml



#27 Chlordane-5

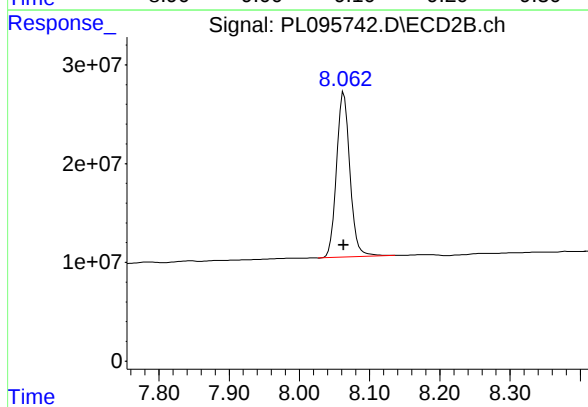
R.T.: 6.082 min
Delta R.T.: 0.000 min
Response: 124727963
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.104 min
Delta R.T.: 0.000 min
Response: 112917337
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 221461141
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
 Data File : PL095747.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 14:18
 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: May 22 05:28:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 05:27:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.573	2.886	160.4E6	200.5E6	50.000	50.000
7) SA Decachlor...	9.104	8.064	119.9E6	241.7E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	5.881	5.145	5578296	15382494	500.000	500.000
3) Toxaphene-2	6.270	5.832	13278890	17339178	500.000	500.000
4) Toxaphene-3	7.085	6.111	46932535	18035582	500.000	500.000
5) Toxaphene-4	7.176	6.747	32772322	58746221	500.000	500.000
6) Toxaphene-5	7.958	7.187	22829500	40118304	500.000	500.000

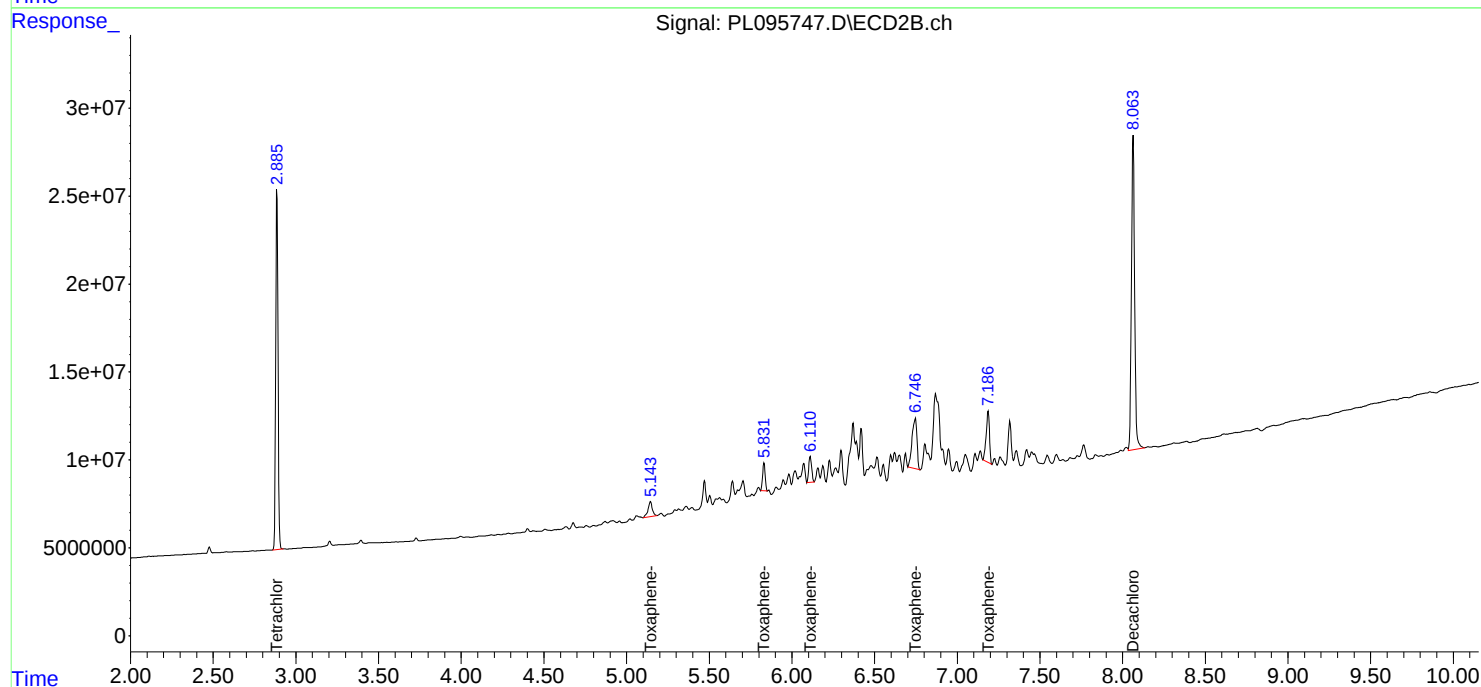
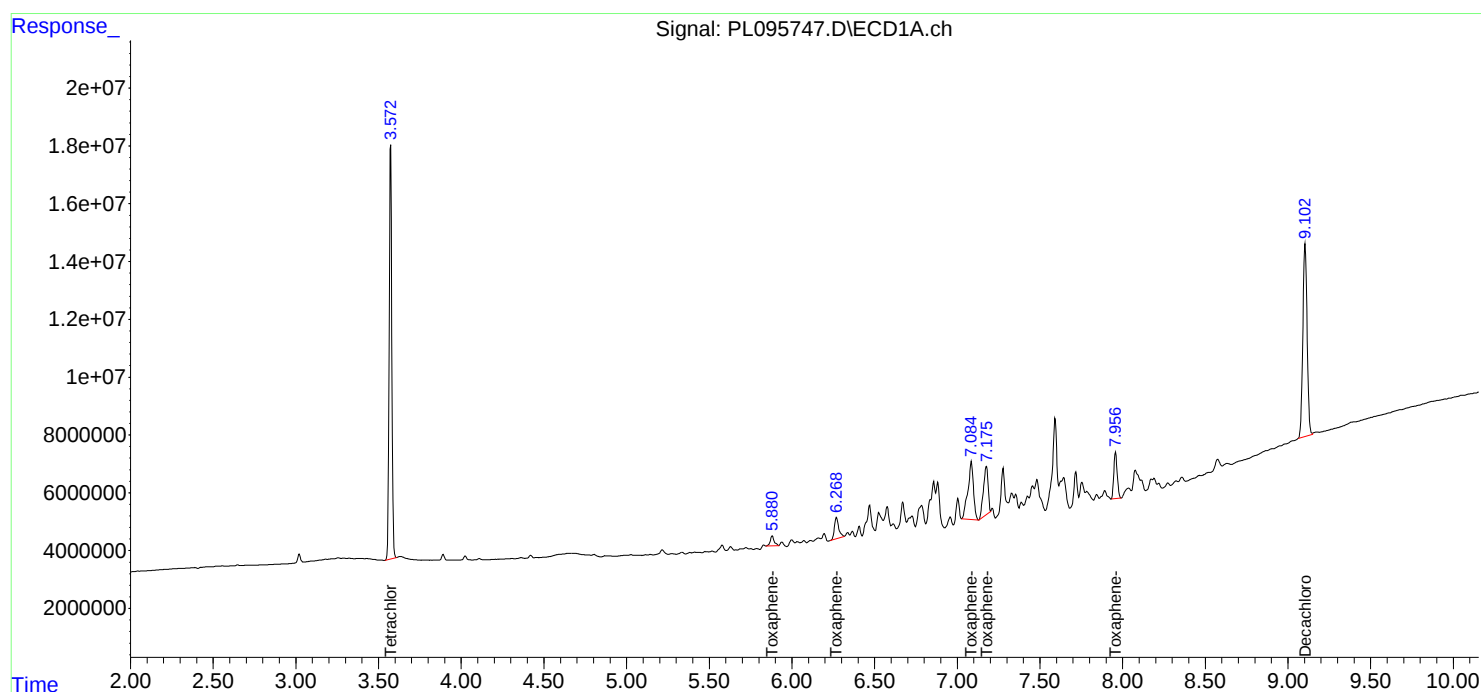
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

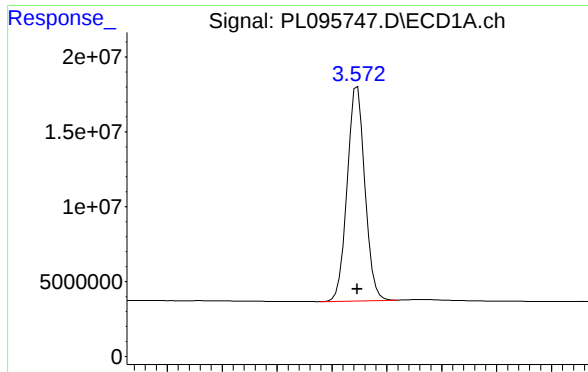
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095747.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 14:18
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 05:28:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 05:27:09 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 x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

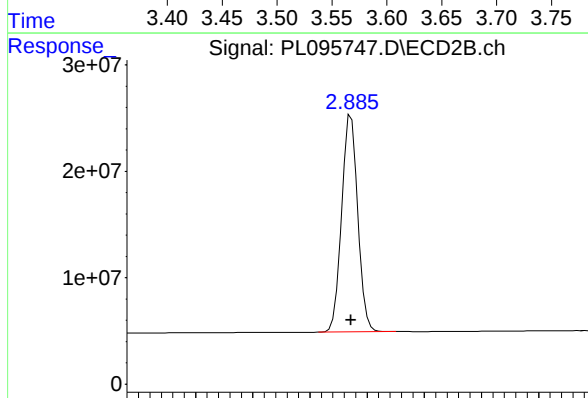




#1 Tetrachloro-m-xylene

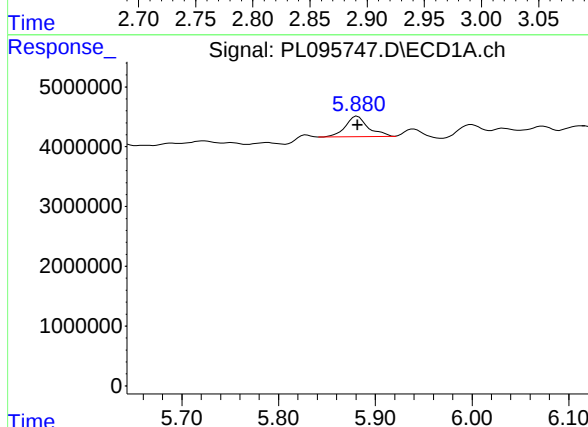
R.T.: 3.573 min
Delta R.T.: 0.000 min
Response: 160410092
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



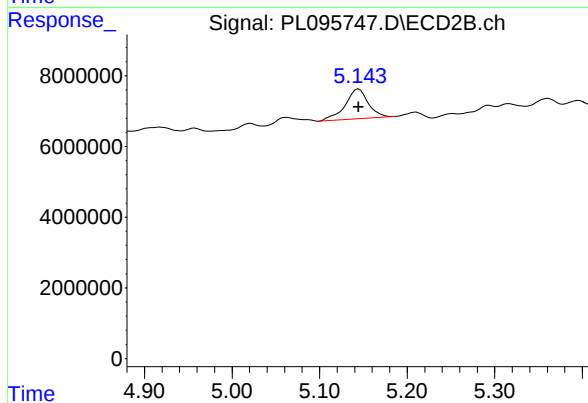
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.000 min
Response: 200494533
Conc: 50.00 ng/ml



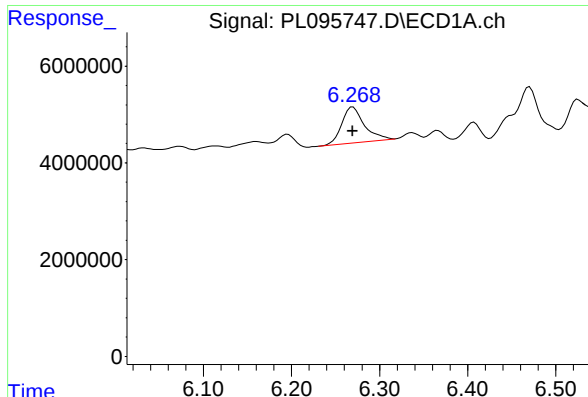
#2 Toxaphene-1

R.T.: 5.881 min
Delta R.T.: 0.000 min
Response: 5578296
Conc: 500.00 ng/ml



#2 Toxaphene-1

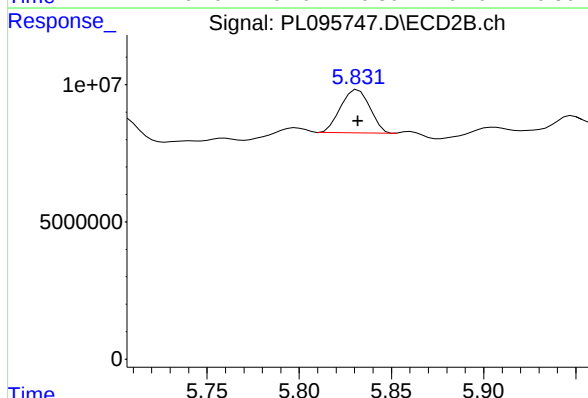
R.T.: 5.145 min
Delta R.T.: 0.000 min
Response: 15382494
Conc: 500.00 ng/ml



#3 Toxaphene-2

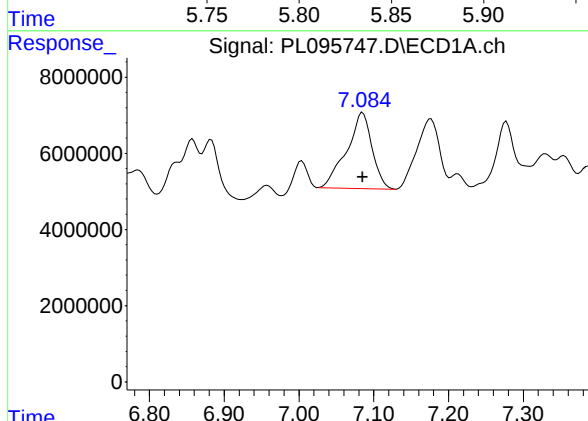
R.T.: 6.270 min
Delta R.T.: 0.000 min
Response: 13278890
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



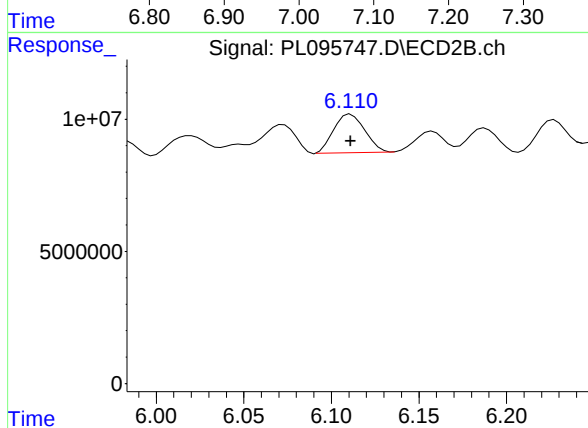
#3 Toxaphene-2

R.T.: 5.832 min
Delta R.T.: 0.000 min
Response: 17339178
Conc: 500.00 ng/ml



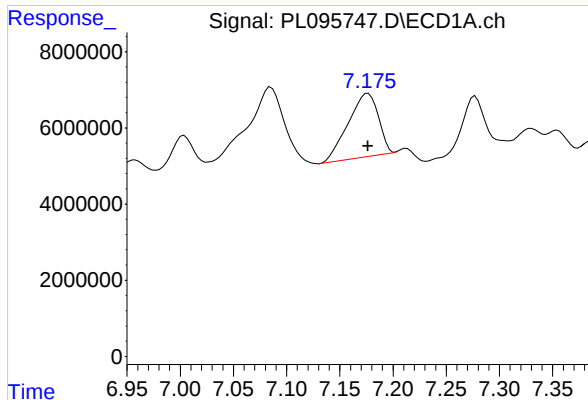
#4 Toxaphene-3

R.T.: 7.085 min
Delta R.T.: 0.000 min
Response: 46932535
Conc: 500.00 ng/ml



#4 Toxaphene-3

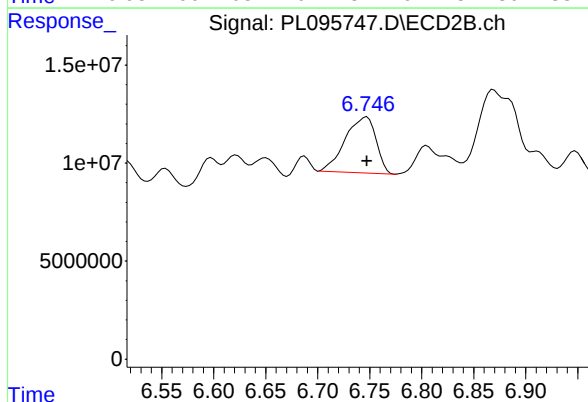
R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 18035582
Conc: 500.00 ng/ml



#5 Toxaphene-4

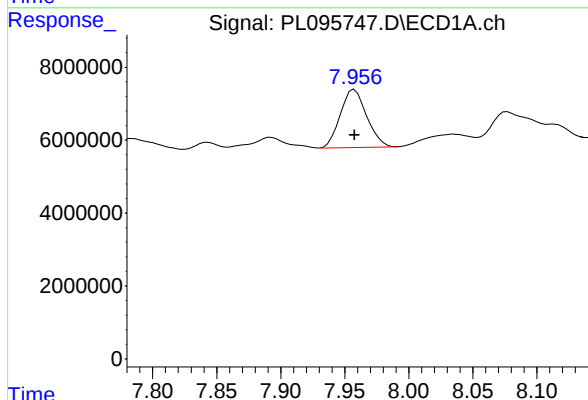
R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 32772322
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



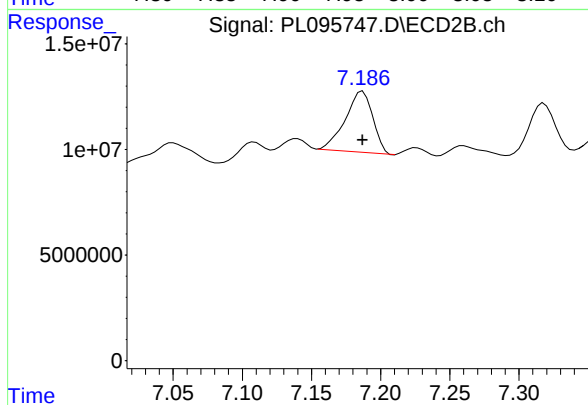
#5 Toxaphene-4

R.T.: 6.747 min
Delta R.T.: 0.000 min
Response: 58746221
Conc: 500.00 ng/ml



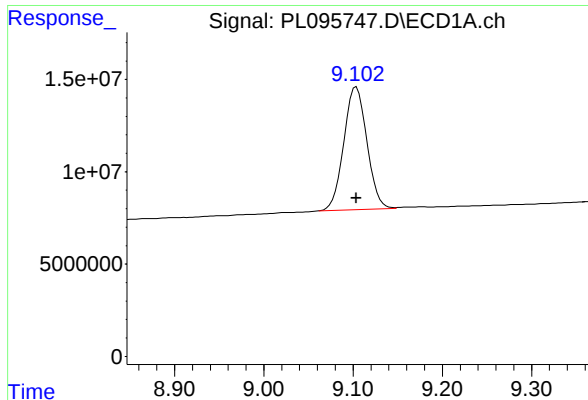
#6 Toxaphene-5

R.T.: 7.958 min
Delta R.T.: 0.000 min
Response: 22829500
Conc: 500.00 ng/ml



#6 Toxaphene-5

R.T.: 7.187 min
Delta R.T.: 0.000 min
Response: 40118304
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.104 min

Delta R.T.: 0.000 min

Response: 119868007

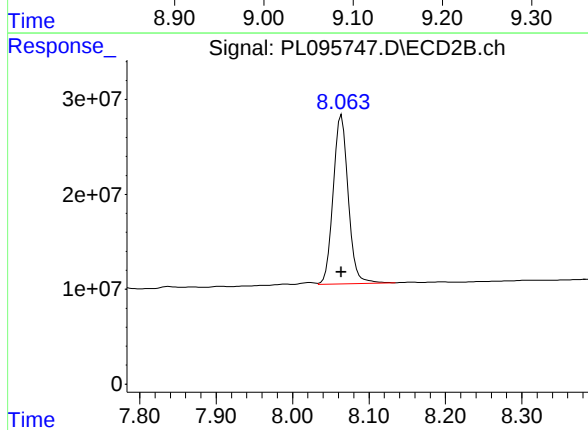
Conc: 50.00 ng/ml

Instrument :

ECD_L

ClientSampleId :

PTOXICC500



#7 Decachlorobiphenyl

R.T.: 8.064 min

Delta R.T.: 0.000 min

Response: 241709816

Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
 Data File : PL095750.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 14:58
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL052125

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 06:32:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.573	2.886	157.8E6	194.4E6	49.998	49.666
28) SA Decachlor...	9.104	8.064	117.3E6	229.7E6	49.773	52.517
Target Compounds						
2) A alpha-BHC	4.025	3.396	246.5E6	298.2E6	50.846	50.918
3) MA gamma-BHC...	4.356	3.730	225.5E6	283.9E6	50.436	50.692
4) MA Heptachlor	4.954	4.084	190.9E6	280.4E6	50.441	49.990
5) MB Aldrin	5.297	4.368	215.7E6	267.1E6	50.429	50.333
6) B beta-BHC	4.544	4.026	98119427	124.2E6	49.772	50.128
7) B delta-BHC	4.792	4.262	223.3E6	285.8E6	50.363	50.613
8) B Heptachlo...	5.719	4.871	191.4E6	247.0E6	50.151	50.018
9) A Endosulfan I	6.102	5.243	183.6E6	238.9E6	50.100	50.143
10) B gamma-Chl...	5.973	5.123	197.6E6	262.0E6	50.773	49.889
11) B alpha-Chl...	6.055	5.188	198.1E6	258.8E6	50.179	49.745
12) B 4,4'-DDE	6.225	5.375	184.6E6	266.3E6	50.319	49.663
13) MA Dieldrin	6.375	5.508	194.5E6	264.7E6	50.411	49.945
14) MA Endrin	6.602	5.783	161.3E6	242.4E6	49.992	49.715
15) B Endosulfa...	6.816	6.074	166.5E6	238.0E6	48.309	50.078
16) A 4,4'-DDD	6.735	5.927	147.1E6	220.8E6	50.200	50.353
17) MA 4,4'-DDT	7.050	6.180	133.9E6	240.9E6	49.505	50.363
18) B Endrin al...	6.945	6.252	121.6E6	173.9E6	50.281	50.352
19) B Endosulfa...	7.180	6.475	147.8E6	225.6E6	49.481	50.184
20) A Methoxychlor	7.523	6.751	63820349	130.4E6	50.042	49.860
21) B Endrin ke...	7.660	6.981	160.1E6	263.5E6	50.540	50.930
22) Mirex	8.142	7.175	115.1E6	202.3E6	49.744	49.832

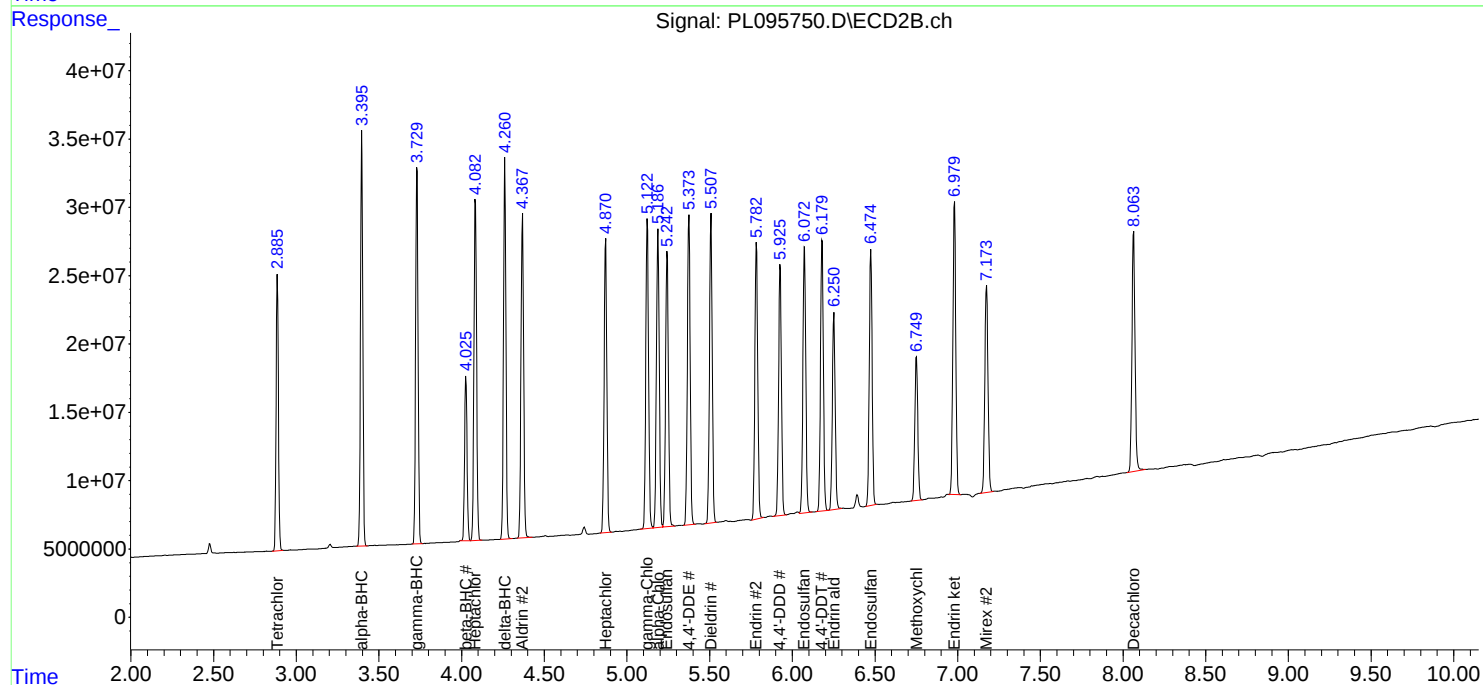
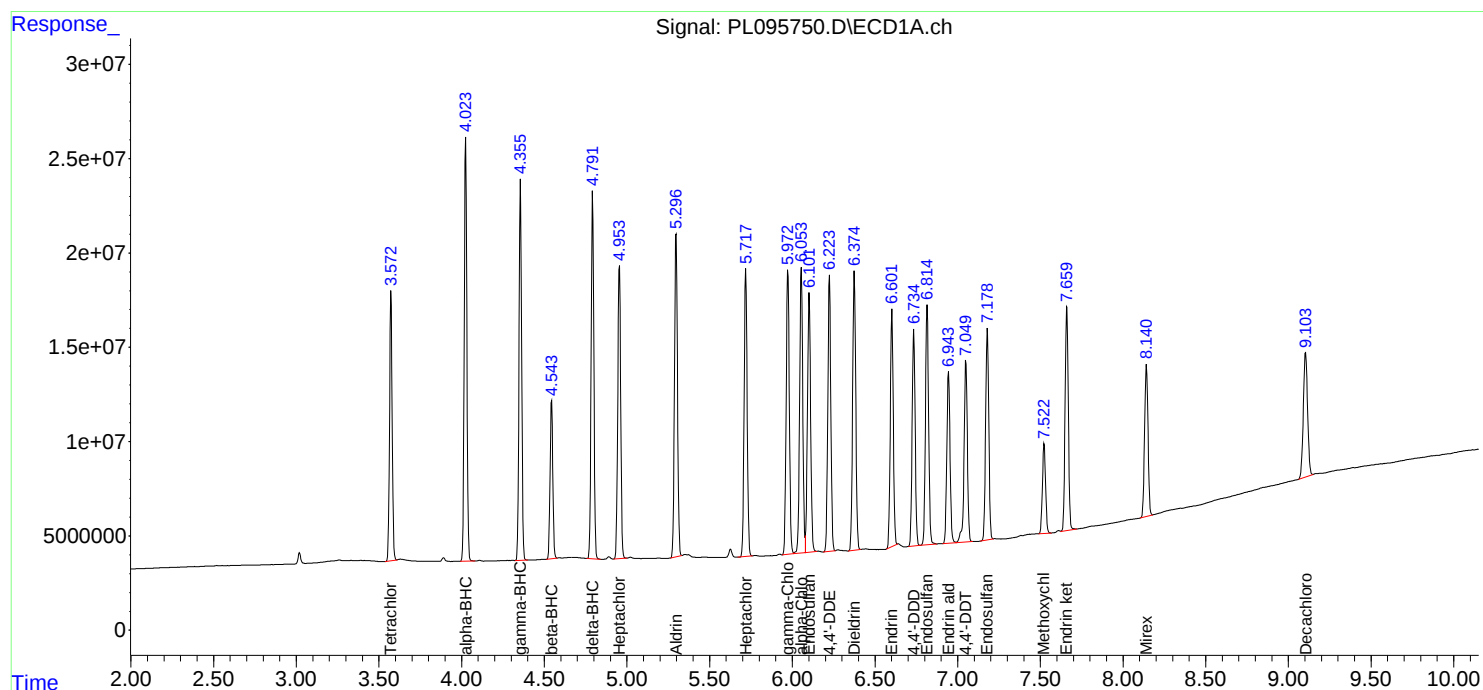
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

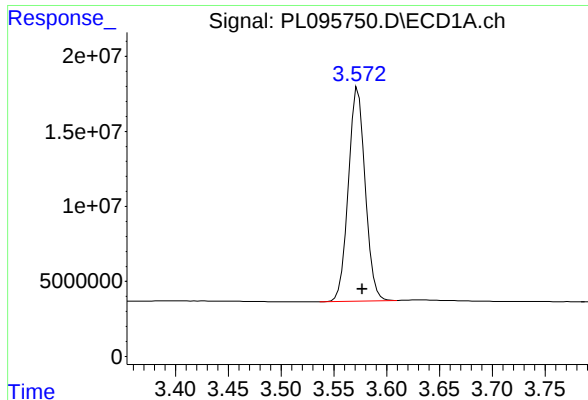
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095750.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 14:58
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL052125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:32:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

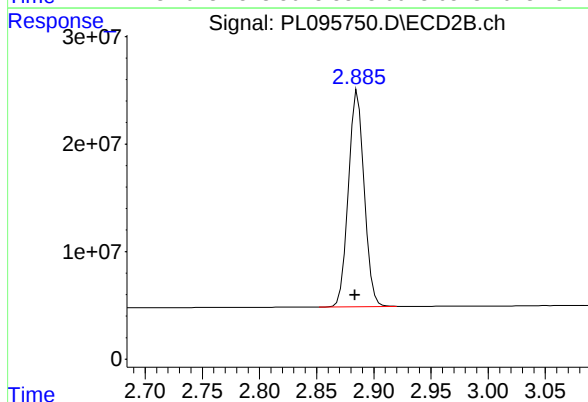




#1 Tetrachloro-m-xylene

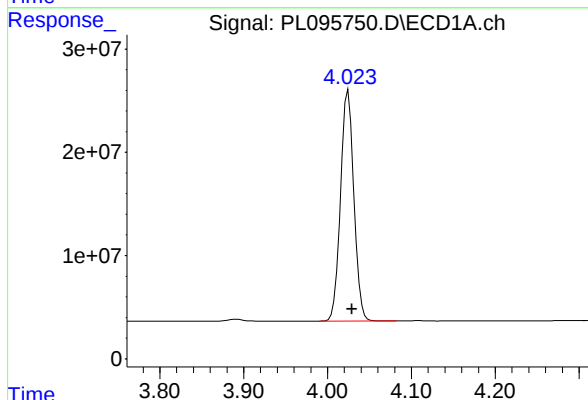
R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 157756772
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



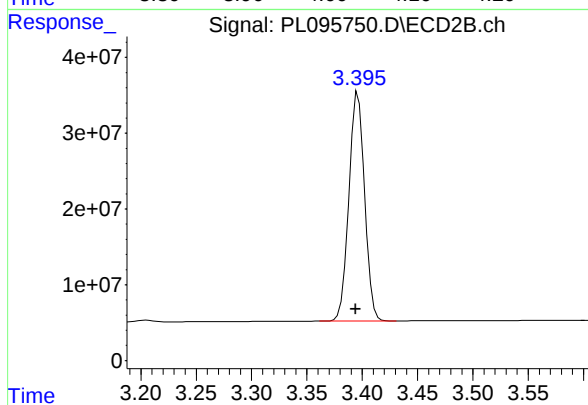
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 194390085
Conc: 49.67 ng/ml



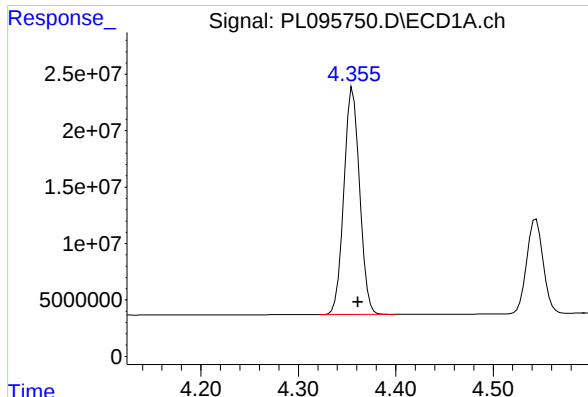
#2 alpha-BHC

R.T.: 4.025 min
Delta R.T.: -0.004 min
Response: 246498349
Conc: 50.85 ng/ml



#2 alpha-BHC

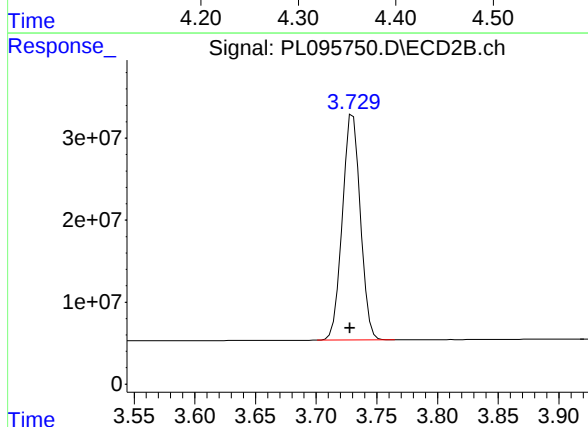
R.T.: 3.396 min
Delta R.T.: 0.002 min
Response: 298245661
Conc: 50.92 ng/ml



#3 gamma-BHC (Lindane)

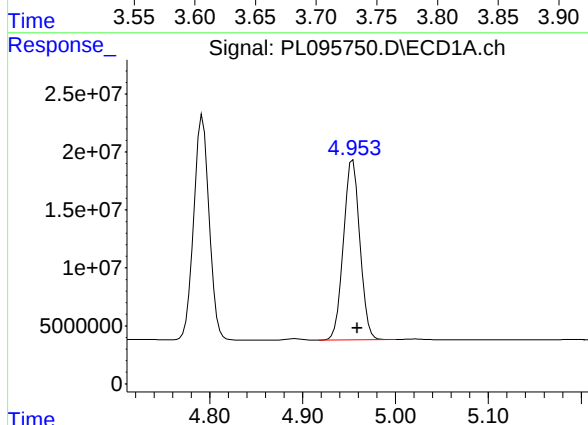
R.T.: 4.356 min
Delta R.T.: -0.005 min
Response: 225541866
Conc: 50.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



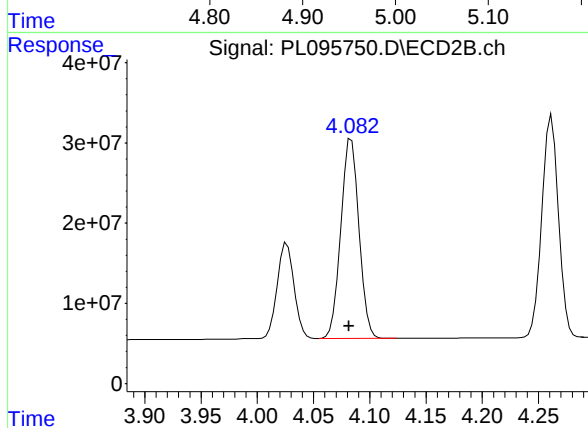
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.002 min
Response: 283938105
Conc: 50.69 ng/ml



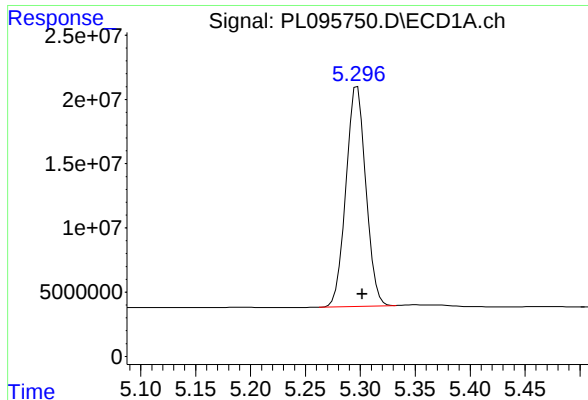
#4 Heptachlor

R.T.: 4.954 min
Delta R.T.: -0.005 min
Response: 190921913
Conc: 50.44 ng/ml



#4 Heptachlor

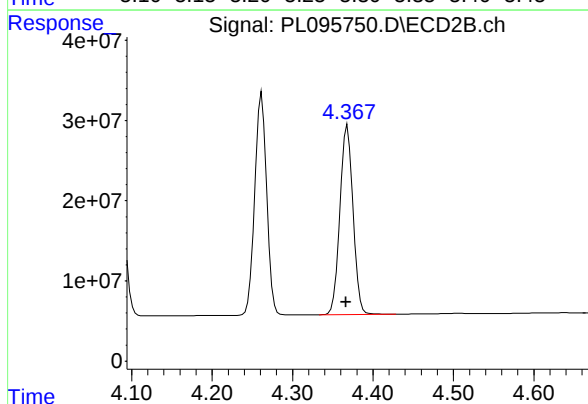
R.T.: 4.084 min
Delta R.T.: 0.002 min
Response: 280397570
Conc: 49.99 ng/ml



#5 Aldrin

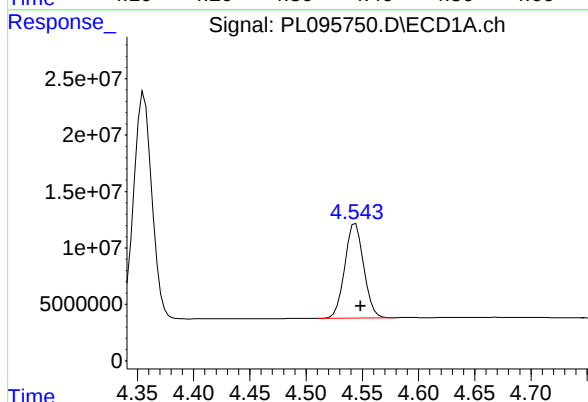
R.T.: 5.297 min
Delta R.T.: -0.005 min
Response: 215720453
Conc: 50.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



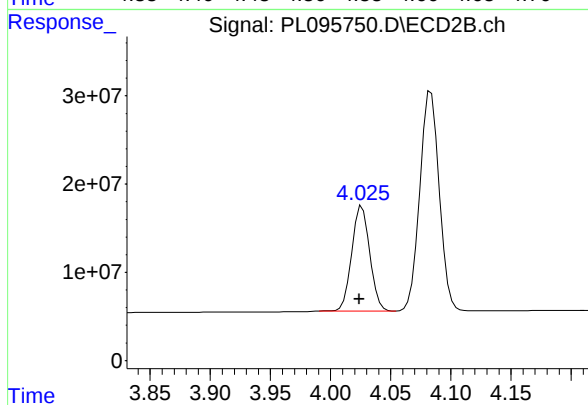
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.002 min
Response: 267121169
Conc: 50.33 ng/ml



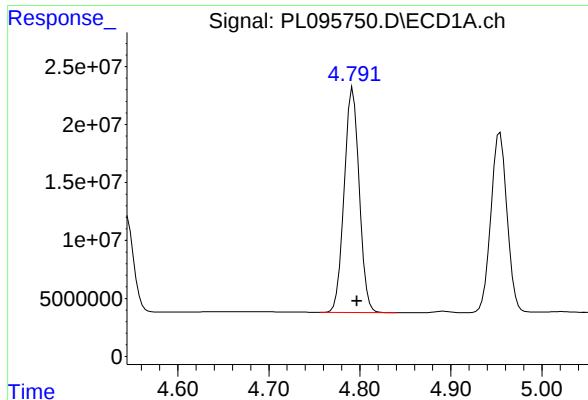
#6 beta-BHC

R.T.: 4.544 min
Delta R.T.: -0.005 min
Response: 98119427
Conc: 49.77 ng/ml



#6 beta-BHC

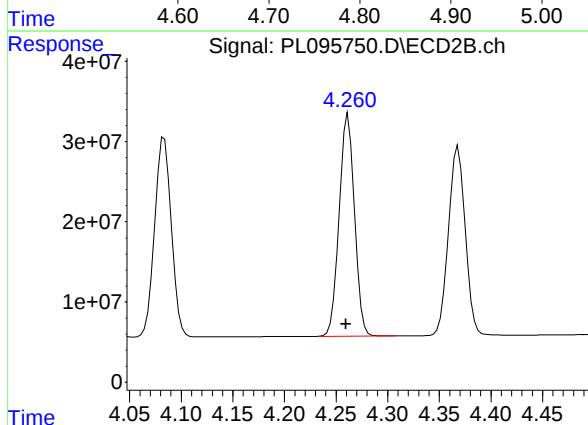
R.T.: 4.026 min
Delta R.T.: 0.002 min
Response: 124195015
Conc: 50.13 ng/ml



#7 delta-BHC

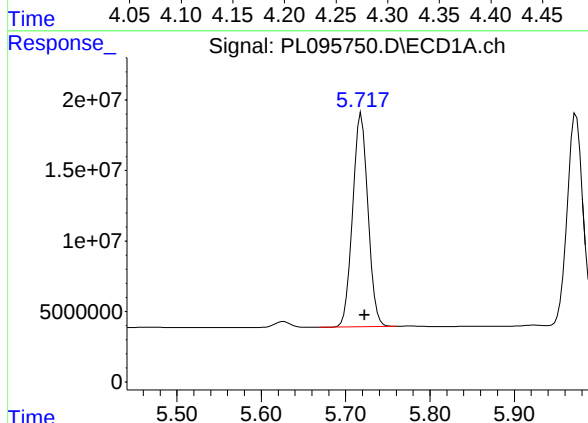
R.T.: 4.792 min
Delta R.T.: -0.004 min
Response: 223288553
Conc: 50.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



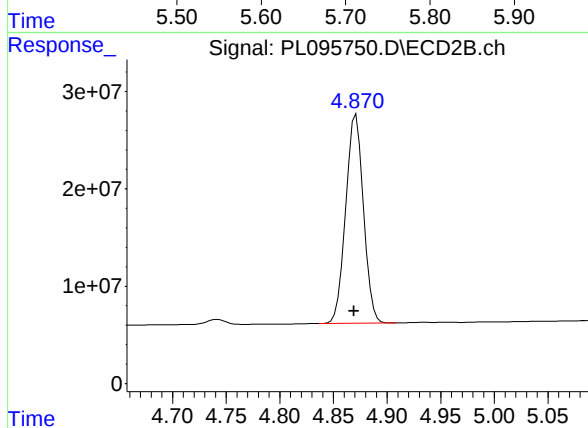
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.002 min
Response: 285828682
Conc: 50.61 ng/ml



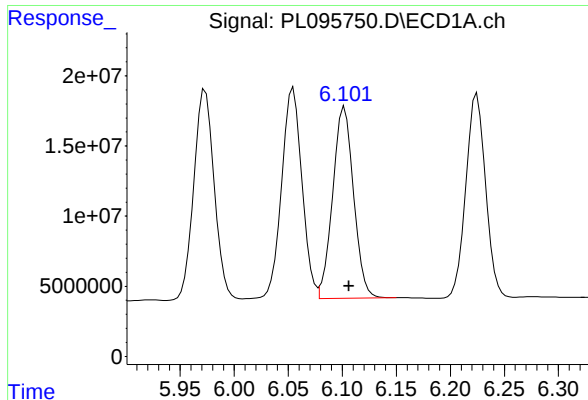
#8 Heptachlor epoxide

R.T.: 5.719 min
Delta R.T.: -0.004 min
Response: 191418066
Conc: 50.15 ng/ml



#8 Heptachlor epoxide

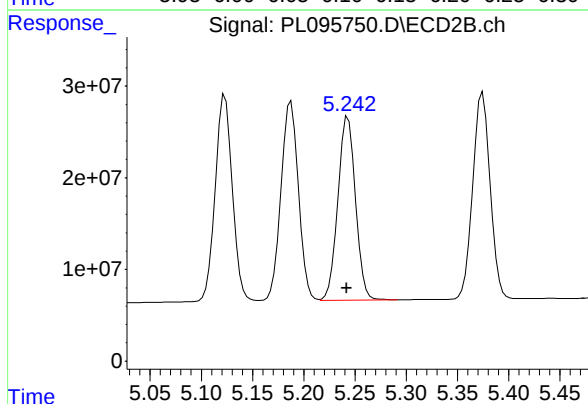
R.T.: 4.871 min
Delta R.T.: 0.002 min
Response: 246960921
Conc: 50.02 ng/ml



#9 Endosulfan I

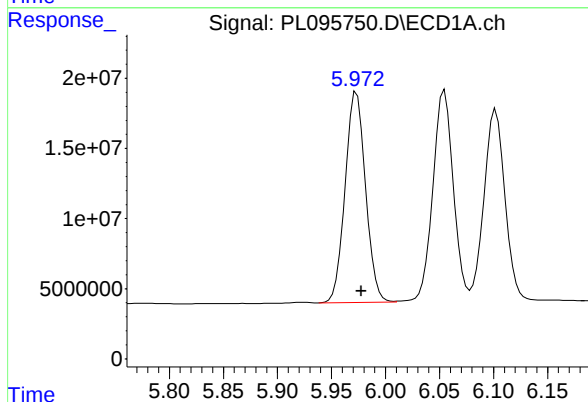
R.T.: 6.102 min
Delta R.T.: -0.004 min
Response: 183609436
Conc: 50.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



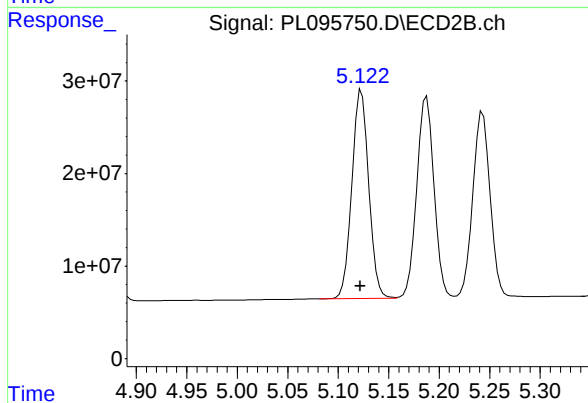
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.001 min
Response: 238931584
Conc: 50.14 ng/ml



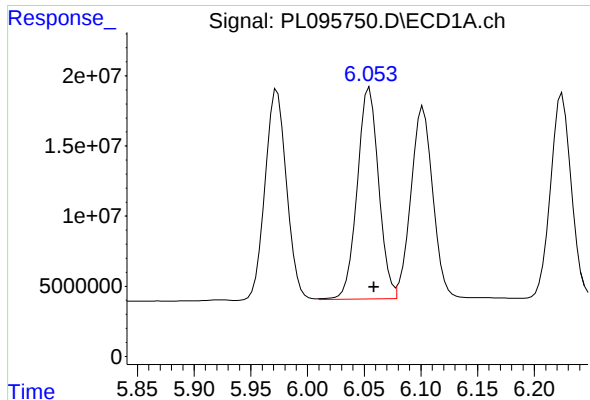
#10 gamma-Chlordane

R.T.: 5.973 min
Delta R.T.: -0.004 min
Response: 197611703
Conc: 50.77 ng/ml



#10 gamma-Chlordane

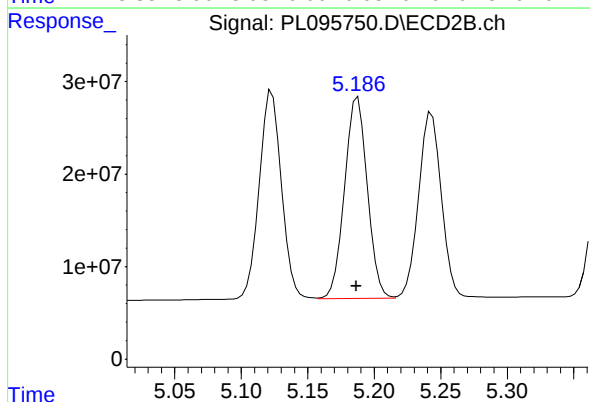
R.T.: 5.123 min
Delta R.T.: 0.001 min
Response: 262049247
Conc: 49.89 ng/ml



#11 alpha-Chlordane

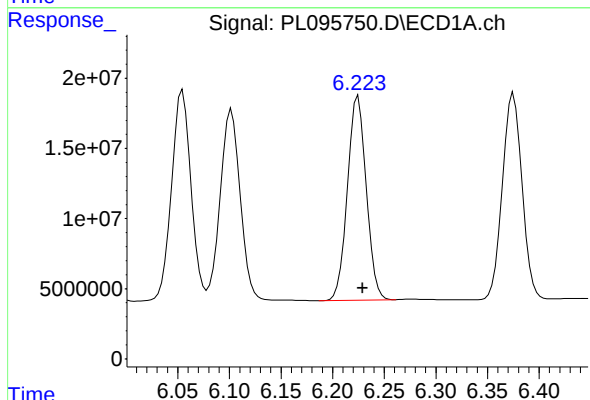
R.T.: 6.055 min
Delta R.T.: -0.004 min
Response: 198113802
Conc: 50.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



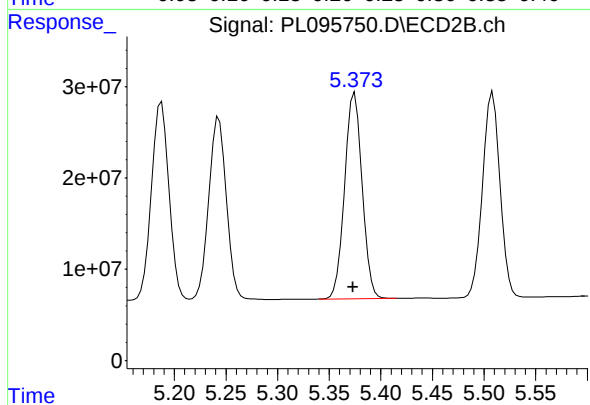
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: 0.001 min
Response: 258811588
Conc: 49.75 ng/ml



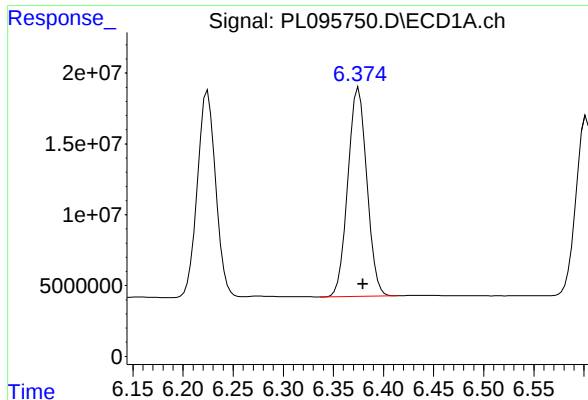
#12 4,4'-DDE

R.T.: 6.225 min
Delta R.T.: -0.004 min
Response: 184563703
Conc: 50.32 ng/ml



#12 4,4'-DDE

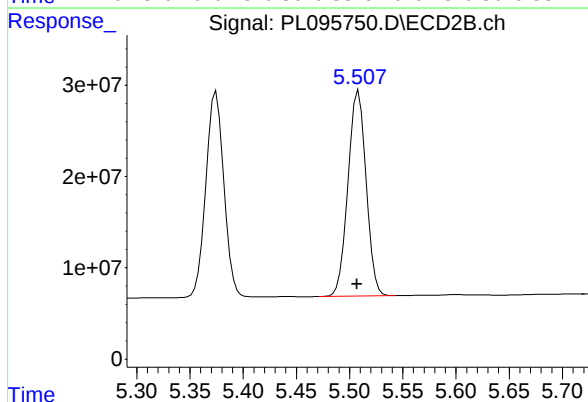
R.T.: 5.375 min
Delta R.T.: 0.002 min
Response: 266298838
Conc: 49.66 ng/ml



#13 Dieldrin

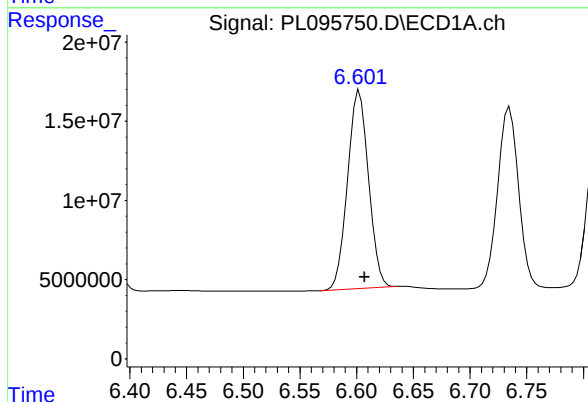
R.T.: 6.375 min
Delta R.T.: -0.004 min
Response: 194545517
Conc: 50.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



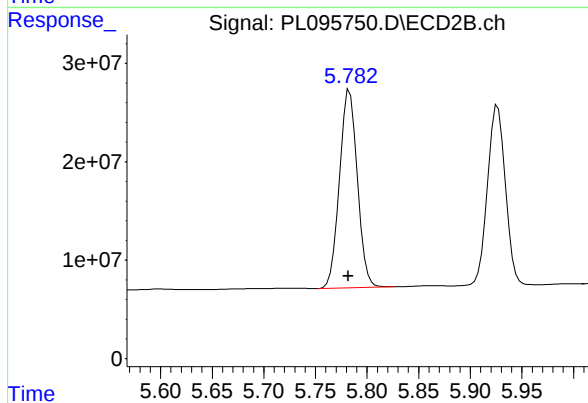
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.002 min
Response: 264715981
Conc: 49.95 ng/ml



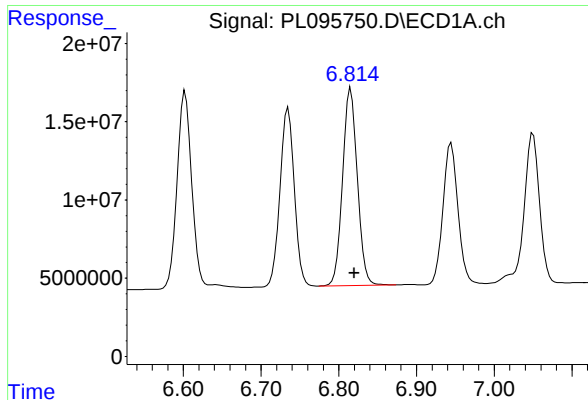
#14 Endrin

R.T.: 6.602 min
Delta R.T.: -0.005 min
Response: 161313019
Conc: 49.99 ng/ml



#14 Endrin

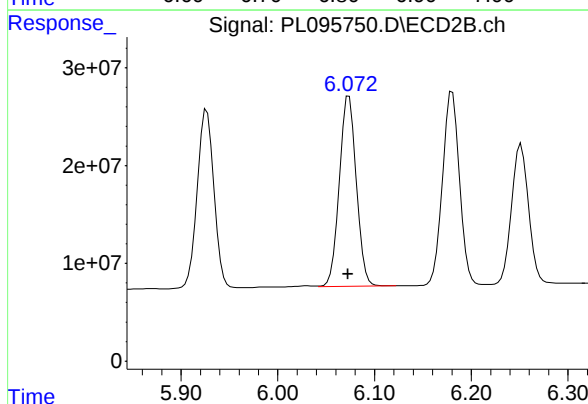
R.T.: 5.783 min
Delta R.T.: 0.001 min
Response: 242413206
Conc: 49.71 ng/ml



#15 Endosulfan II

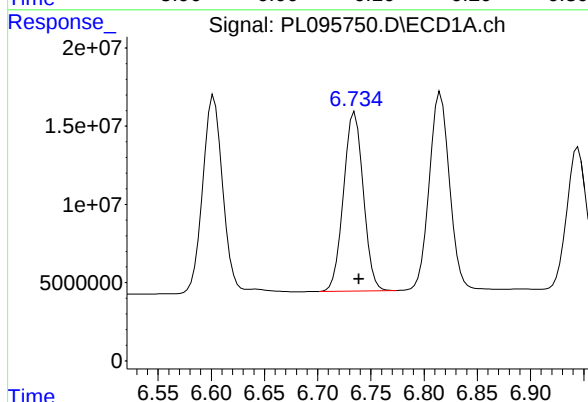
R.T.: 6.816 min
Delta R.T.: -0.004 min
Response: 166474646
Conc: 48.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



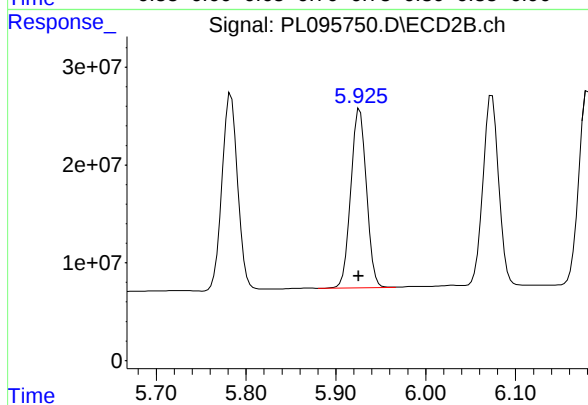
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: 0.001 min
Response: 237960839
Conc: 50.08 ng/ml



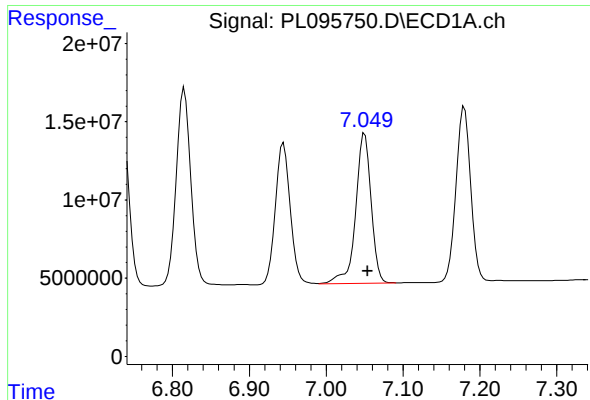
#16 4,4'-DDD

R.T.: 6.735 min
Delta R.T.: -0.004 min
Response: 147116296
Conc: 50.20 ng/ml



#16 4,4'-DDD

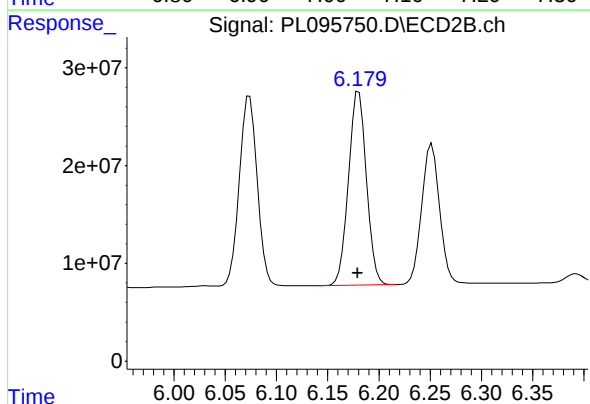
R.T.: 5.927 min
Delta R.T.: 0.001 min
Response: 220794386
Conc: 50.35 ng/ml



#17 4,4'-DDT

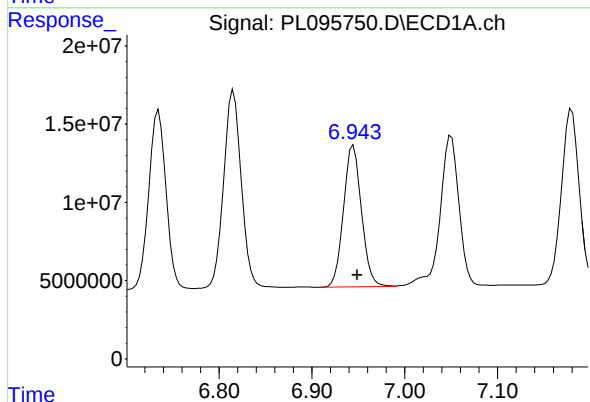
R.T.: 7.050 min
Delta R.T.: -0.004 min
Response: 133918313
Conc: 49.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



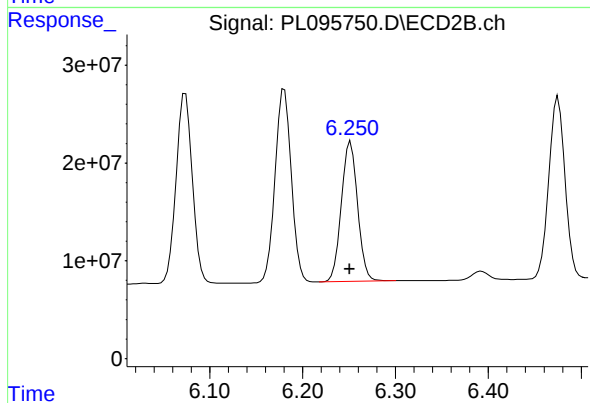
#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: 0.001 min
Response: 240867753
Conc: 50.36 ng/ml



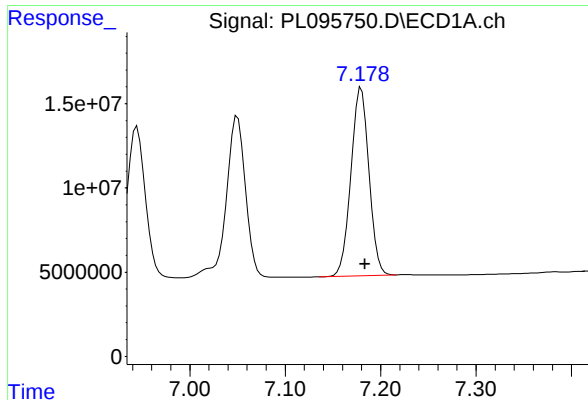
#18 Endrin aldehyde

R.T.: 6.945 min
Delta R.T.: -0.004 min
Response: 121561376
Conc: 50.28 ng/ml



#18 Endrin aldehyde

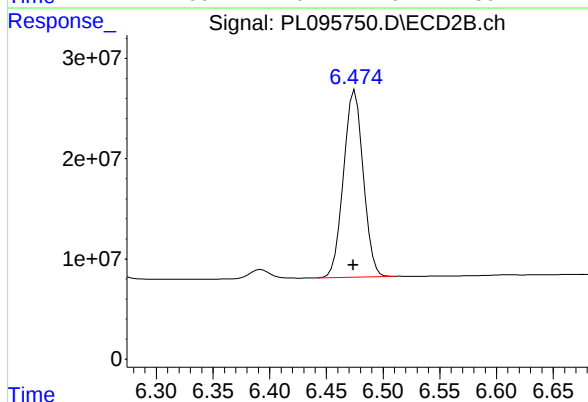
R.T.: 6.252 min
Delta R.T.: 0.001 min
Response: 173931069
Conc: 50.35 ng/ml



#19 Endosulfan Sulfate

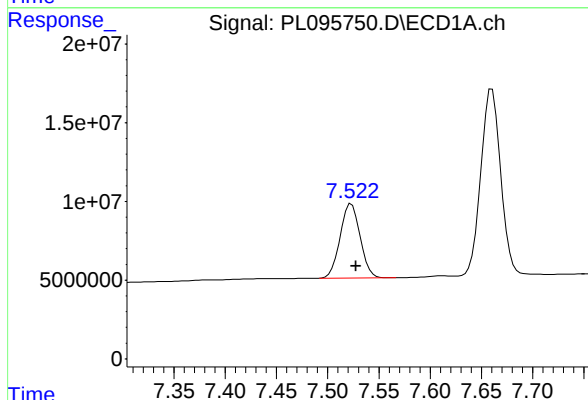
R.T.: 7.180 min
Delta R.T.: -0.004 min
Response: 147796520
Conc: 49.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



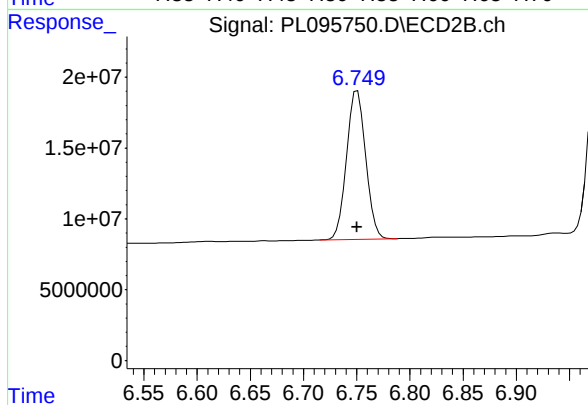
#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: 0.001 min
Response: 225562398
Conc: 50.18 ng/ml



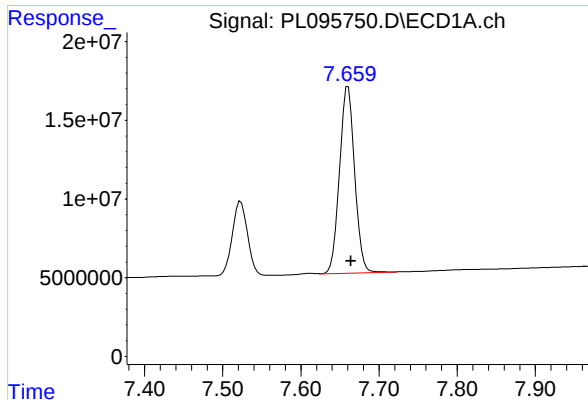
#20 Methoxychlor

R.T.: 7.523 min
Delta R.T.: -0.004 min
Response: 63820349
Conc: 50.04 ng/ml



#20 Methoxychlor

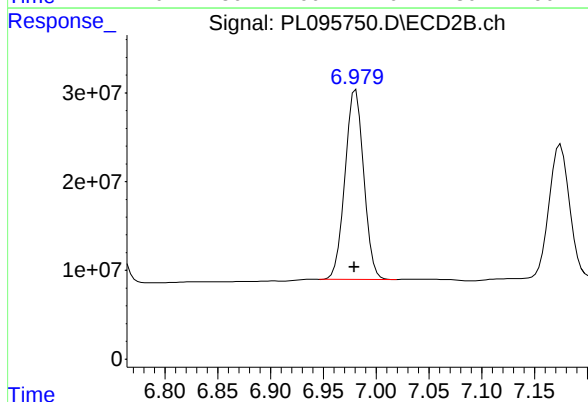
R.T.: 6.751 min
Delta R.T.: 0.000 min
Response: 130438737
Conc: 49.86 ng/ml



#21 Endrin ketone

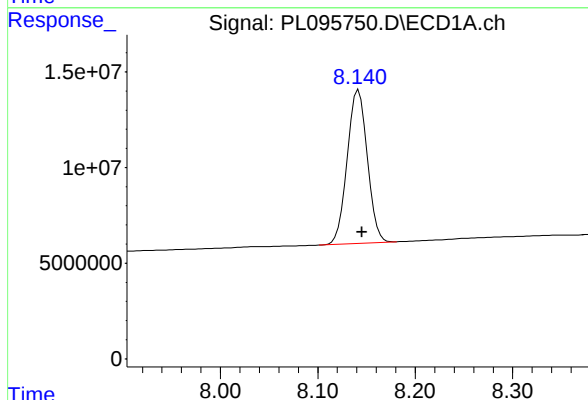
R.T.: 7.660 min
Delta R.T.: -0.004 min
Response: 160056271
Conc: 50.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



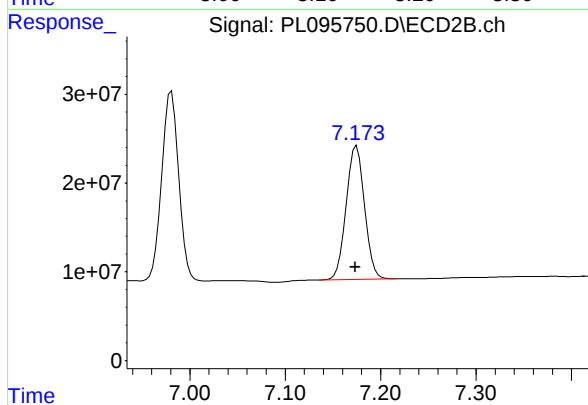
#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: 0.001 min
Response: 263504594
Conc: 50.93 ng/ml



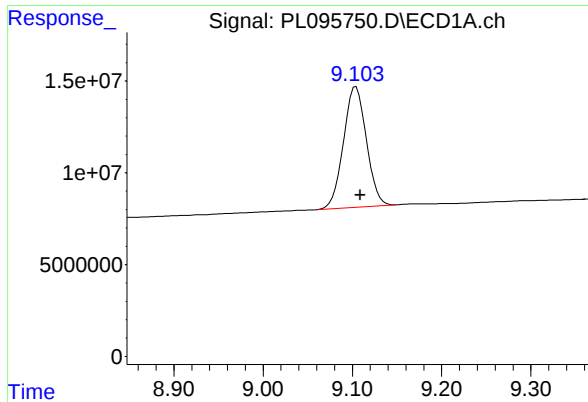
#22 Mirex

R.T.: 8.142 min
Delta R.T.: -0.004 min
Response: 115096122
Conc: 49.74 ng/ml



#22 Mirex

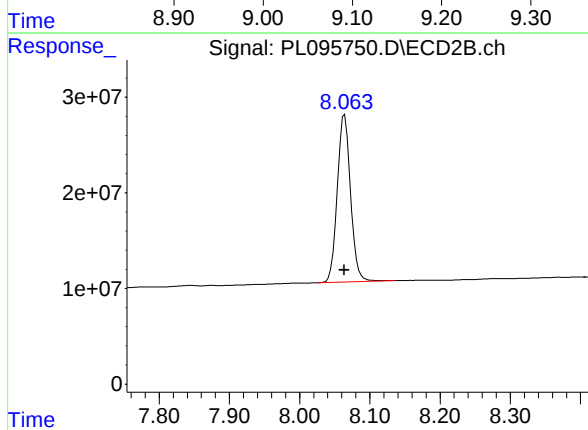
R.T.: 7.175 min
Delta R.T.: 0.001 min
Response: 202341539
Conc: 49.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.104 min
Delta R.T.: -0.005 min
Response: 117281894
Conc: 49.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 229732347
Conc: 52.52 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
 Data File : PL095751.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 15:12
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL052125CHLOR

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 05:59:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 05:59:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.573	2.885	156.9E6	252.7E6	50.100	49.840
28) SA Decachlor...	9.104	8.064	115.9E6	229.0E6	50.010	51.351
Target Compounds						
23) Chlordane-1	4.740	3.906	88597152	96171041	497.300	493.232
24) Chlordane-2	5.268	4.488	96121246	109.3E6	500.182	490.592
25) Chlordane-3	5.974	5.124	377.3E6	331.4E6	510.592	502.970
26) Chlordane-4	6.059	5.187	457.2E6	287.0E6	508.677	502.673
27) Chlordane-5	6.900	6.082	69143587	126.8E6	504.904	497.202

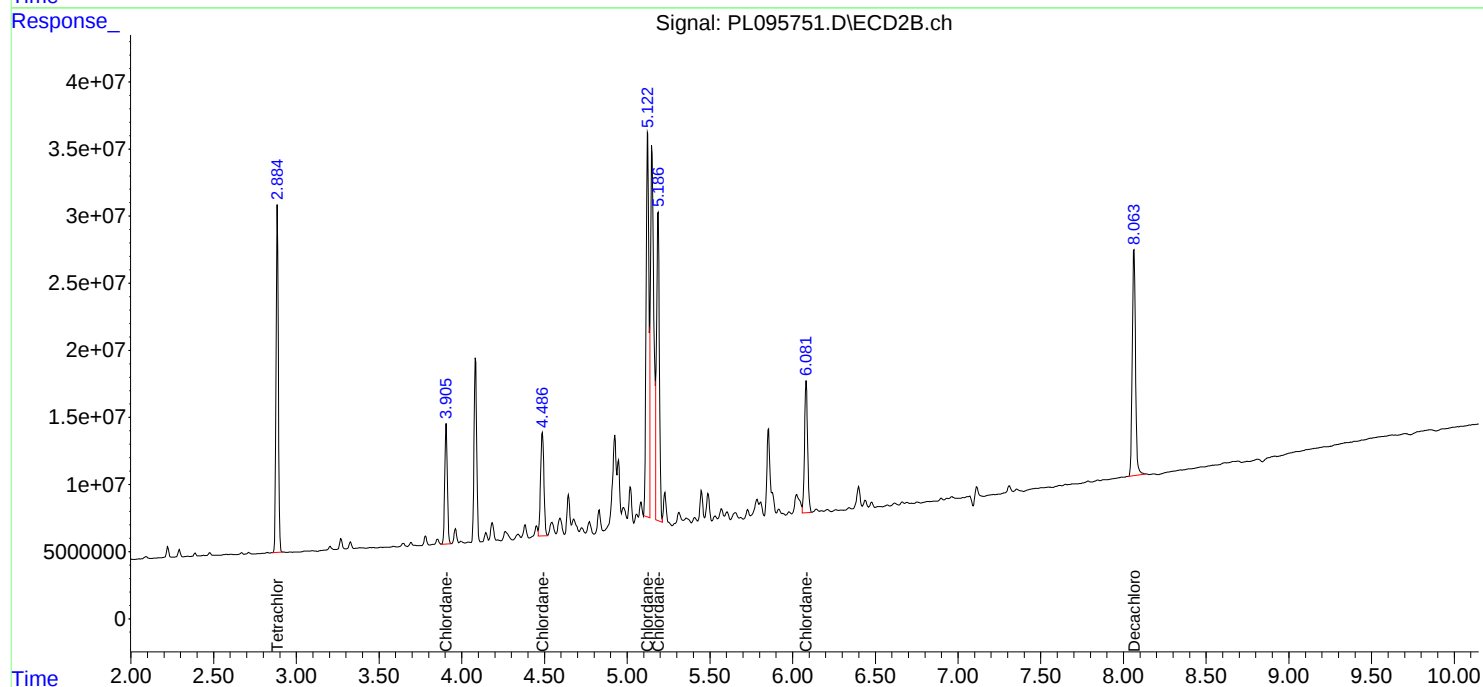
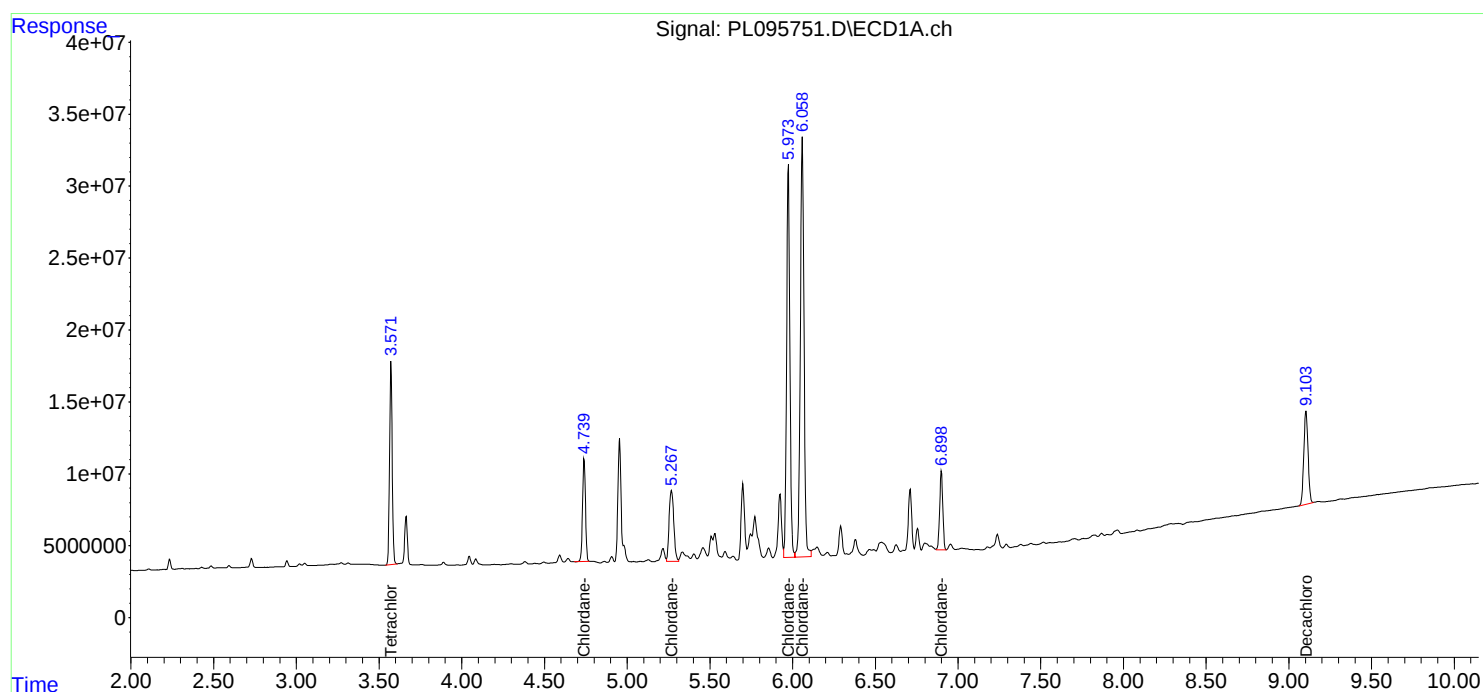
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

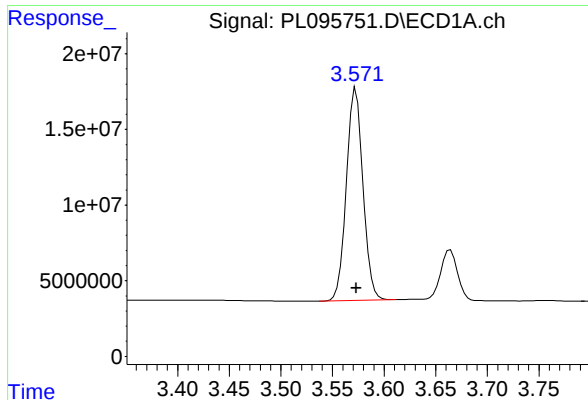
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095751.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 15:12
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL052125CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 05:59:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 05:59:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

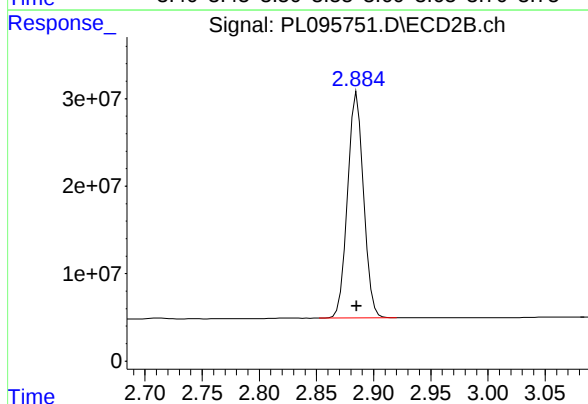




#1 Tetrachloro-m-xylene

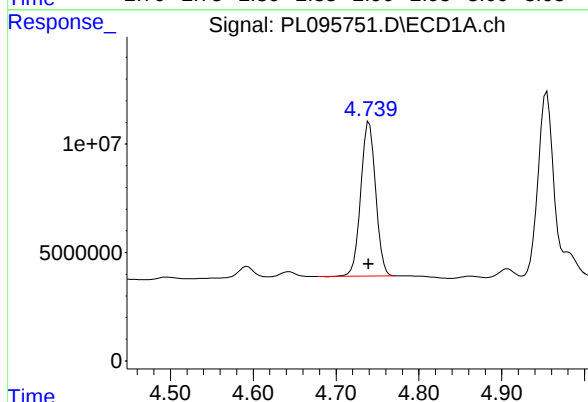
R.T.: 3.573 min
Delta R.T.: 0.000 min
Response: 156911848
Conc: 50.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125CHLOR



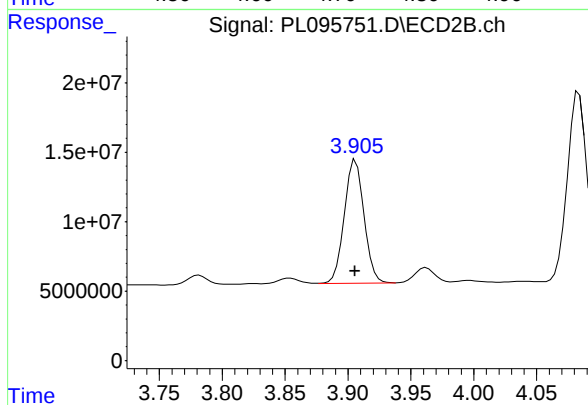
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.000 min
Response: 252709314
Conc: 49.84 ng/ml



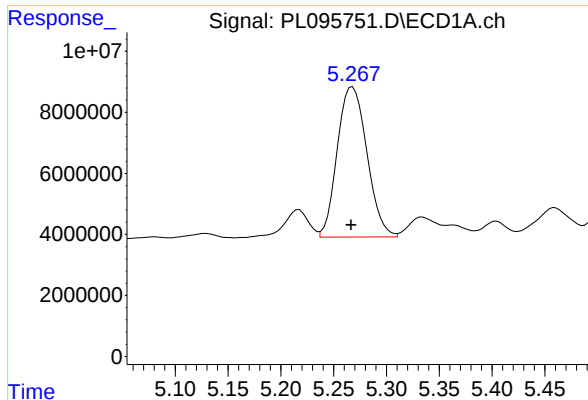
#23 Chlordane-1

R.T.: 4.740 min
Delta R.T.: 0.000 min
Response: 88597152
Conc: 497.30 ng/ml



#23 Chlordane-1

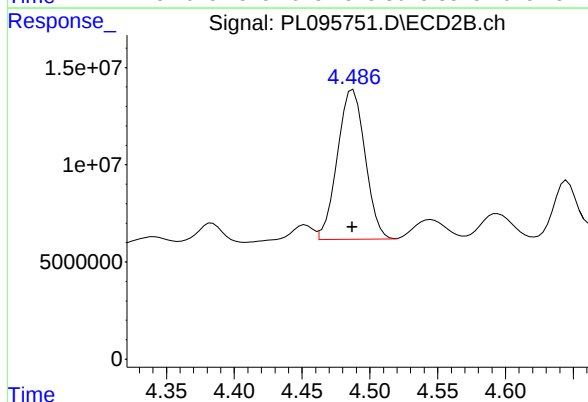
R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 96171041
Conc: 493.23 ng/ml



#24 Chlordane-2

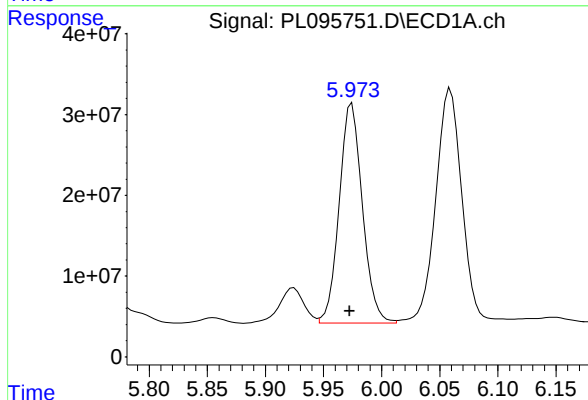
R.T.: 5.268 min
Delta R.T.: 0.001 min
Response: 96121246
Conc: 500.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125CHLOR



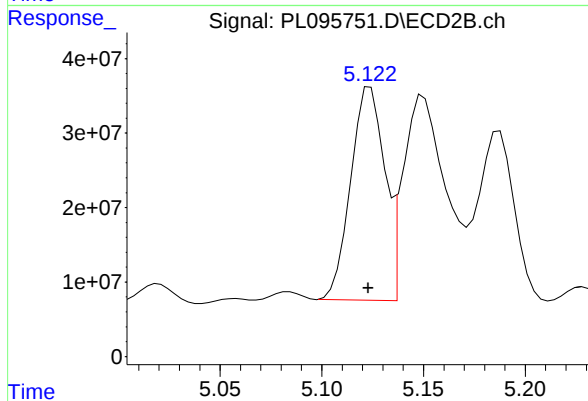
#24 Chlordane-2

R.T.: 4.488 min
Delta R.T.: 0.000 min
Response: 109280725
Conc: 490.59 ng/ml



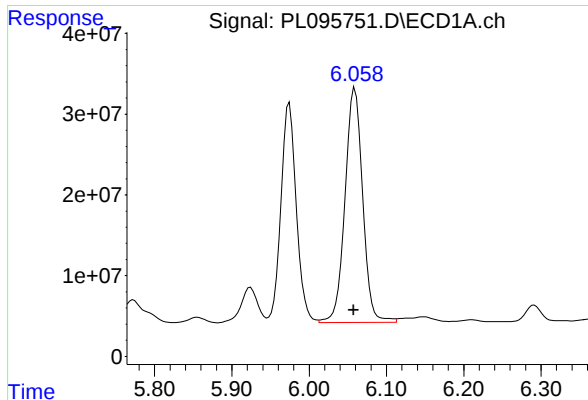
#25 Chlordane-3

R.T.: 5.974 min
Delta R.T.: 0.002 min
Response: 377342003
Conc: 510.59 ng/ml



#25 Chlordane-3

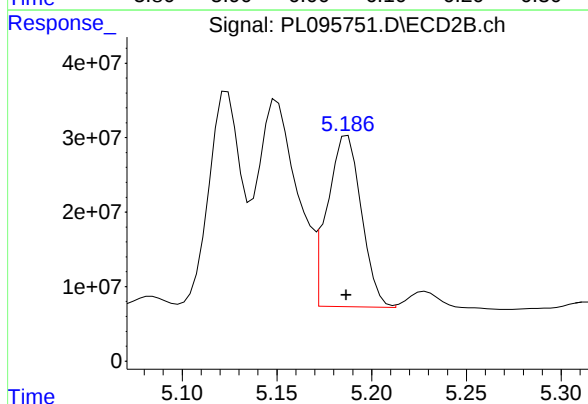
R.T.: 5.124 min
Delta R.T.: 0.000 min
Response: 331408650
Conc: 502.97 ng/ml



#26 Chlordane-4

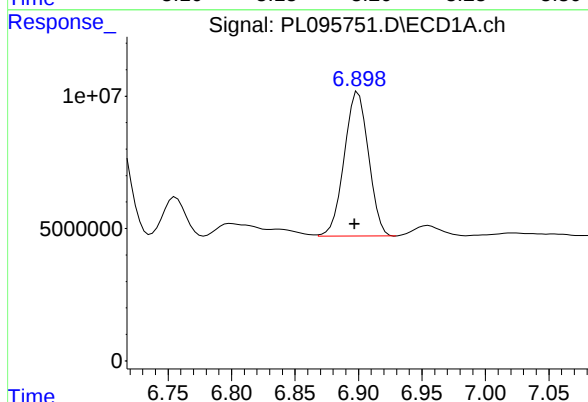
R.T.: 6.059 min
Delta R.T.: 0.002 min
Response: 457193182
Conc: 508.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125CHLOR



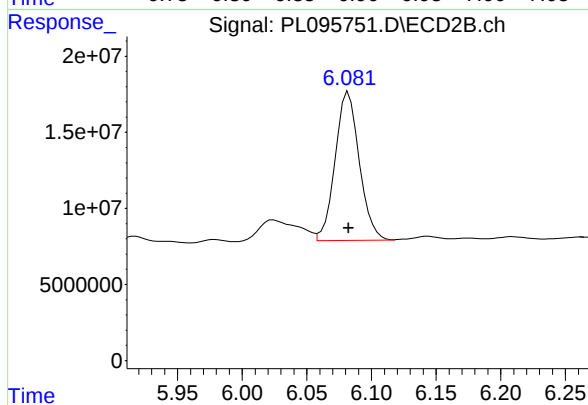
#26 Chlordane-4

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 286980441
Conc: 502.67 ng/ml



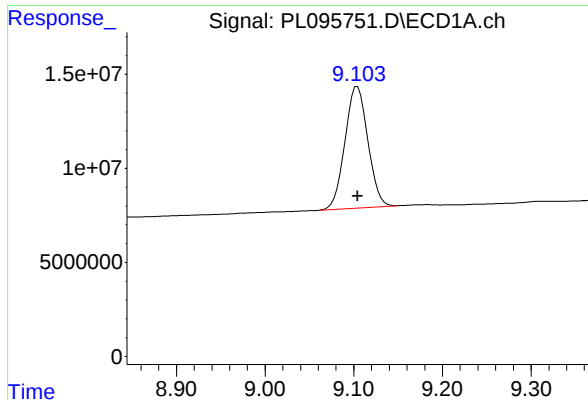
#27 Chlordane-5

R.T.: 6.900 min
Delta R.T.: 0.003 min
Response: 69143587
Conc: 504.90 ng/ml



#27 Chlordane-5

R.T.: 6.082 min
Delta R.T.: 0.000 min
Response: 126753637
Conc: 497.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.104 min

Delta R.T.: 0.000 min

Response: 115945743

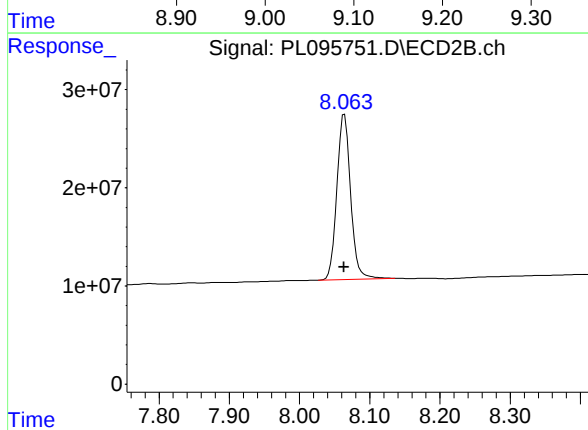
Conc: 50.01 ng/ml

Instrument :

ECD_L

ClientSampleId :

ICVPL052125CHLOR



#28 Decachlorobiphenyl

R.T.: 8.064 min

Delta R.T.: 0.000 min

Response: 229025179

Conc: 51.35 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
 Data File : PL095752.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 15:26
 Operator : AR\AJ
 Sample : PTOXICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL052125TOX

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 05:35:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 05:34:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.573	2.886	163.7E6	202.4E6	49.982	49.895
7) SA Decachlor...	9.104	8.064	124.0E6	247.6E6	50.372	51.064
Target Compounds						
2) Toxaphene-1	5.882	5.144	5739363	15408948	501.878	517.652
3) Toxaphene-2	6.271	5.832	14155370	17364106	513.663	497.470
4) Toxaphene-3	7.086	6.112	48247186	18382533	514.399	502.461
5) Toxaphene-4	7.177	6.748	33135236	58920327	505.295	500.417
6) Toxaphene-5	7.958	7.188	23485148	39543084	507.540	484.747

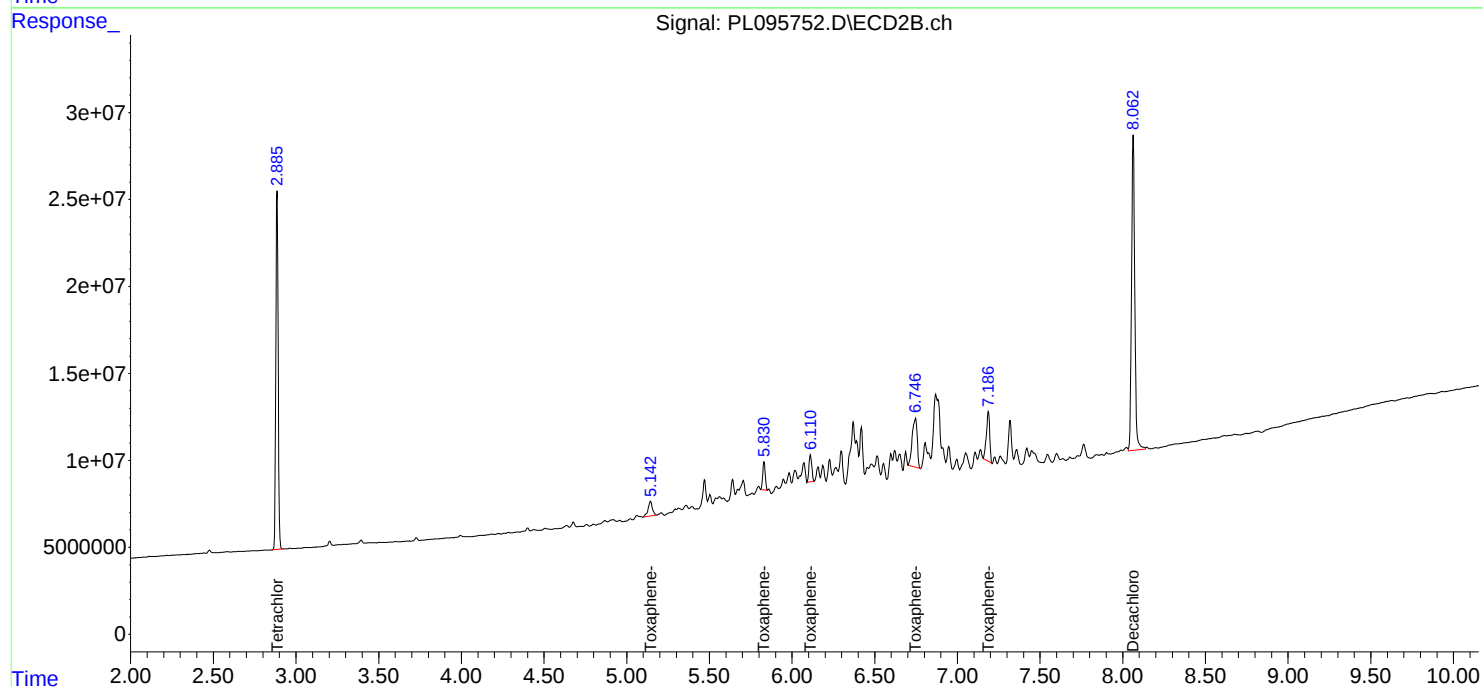
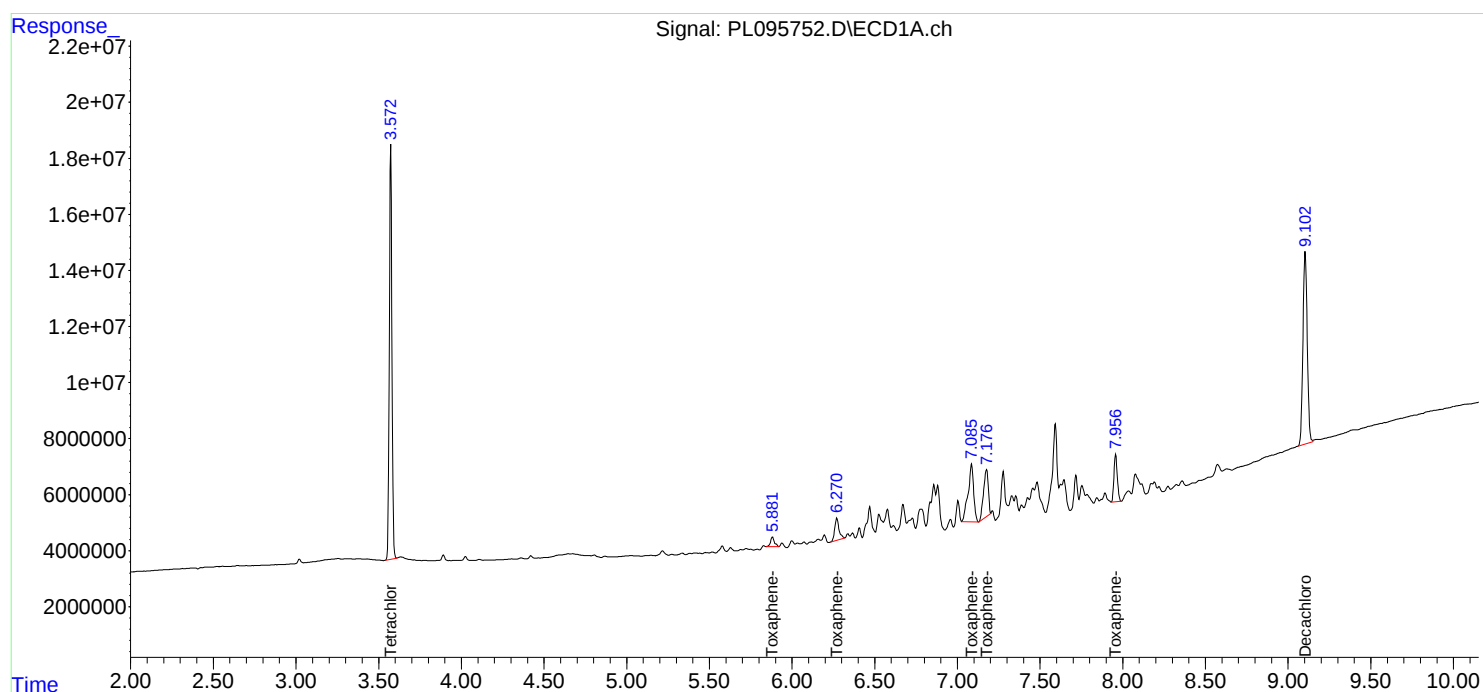
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

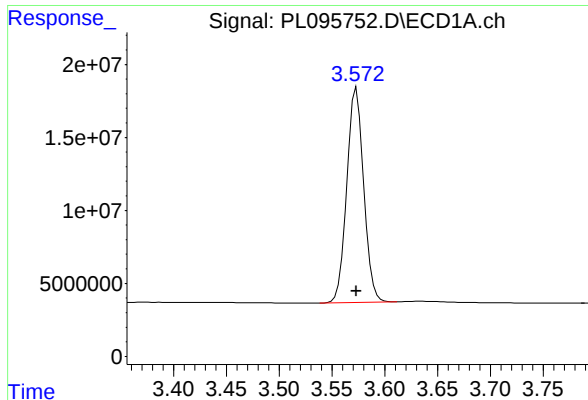
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095752.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 15:26
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL052125TOX

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 05:35:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 05:34:43 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 x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

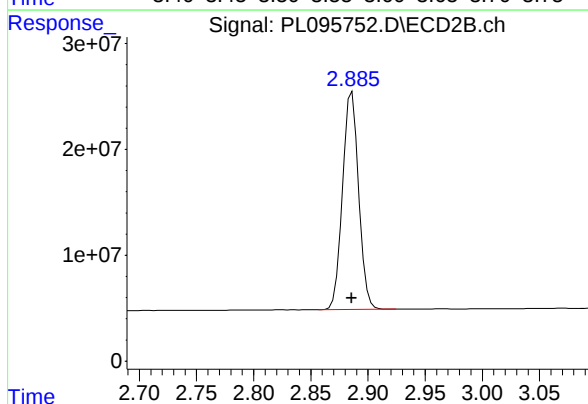




#1 Tetrachloro-m-xylene

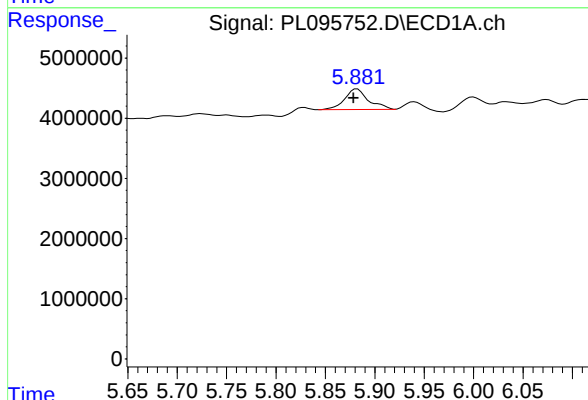
R.T.: 3.573 min
Delta R.T.: 0.000 min
Response: 163650406
Conc: 49.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125TOX



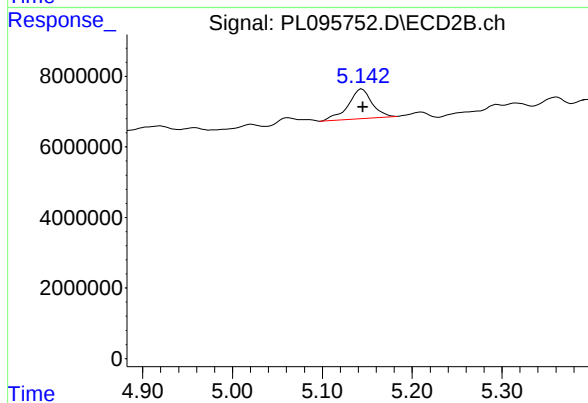
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.000 min
Response: 202377338
Conc: 49.90 ng/ml



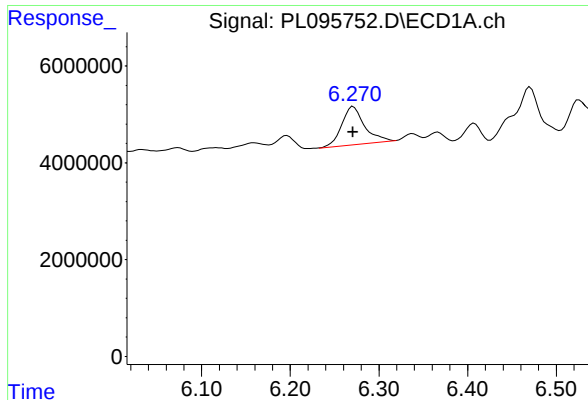
#2 Toxaphene-1

R.T.: 5.882 min
Delta R.T.: 0.004 min
Response: 5739363
Conc: 501.88 ng/ml



#2 Toxaphene-1

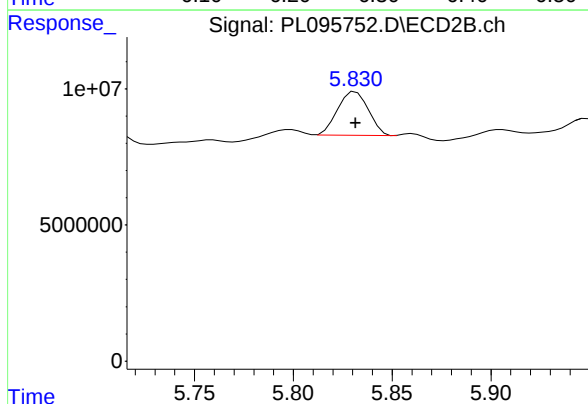
R.T.: 5.144 min
Delta R.T.: 0.000 min
Response: 15408948
Conc: 517.65 ng/ml



#3 Toxaphene-2

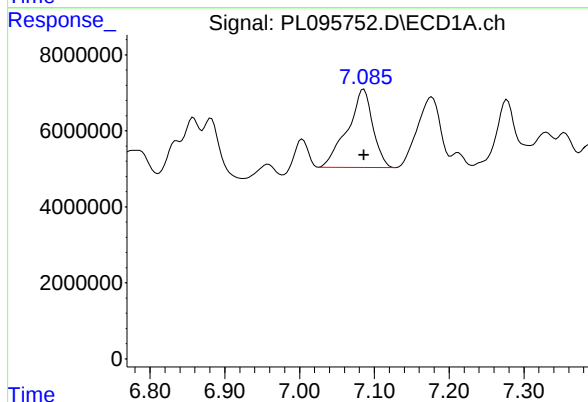
R.T.: 6.271 min
Delta R.T.: 0.000 min
Response: 14155370
Conc: 513.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125TOX



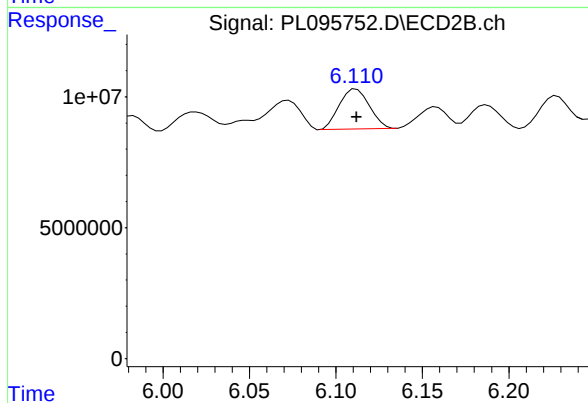
#3 Toxaphene-2

R.T.: 5.832 min
Delta R.T.: 0.000 min
Response: 17364106
Conc: 497.47 ng/ml



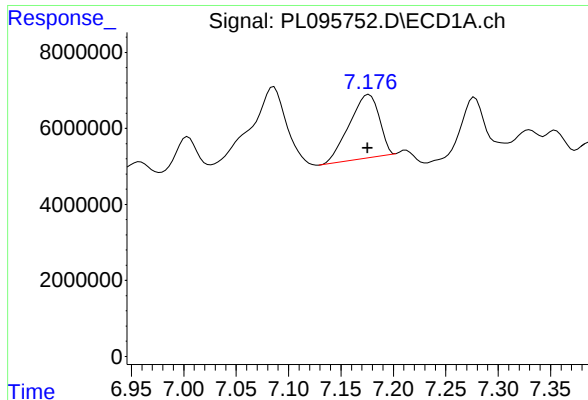
#4 Toxaphene-3

R.T.: 7.086 min
Delta R.T.: 0.000 min
Response: 48247186
Conc: 514.40 ng/ml



#4 Toxaphene-3

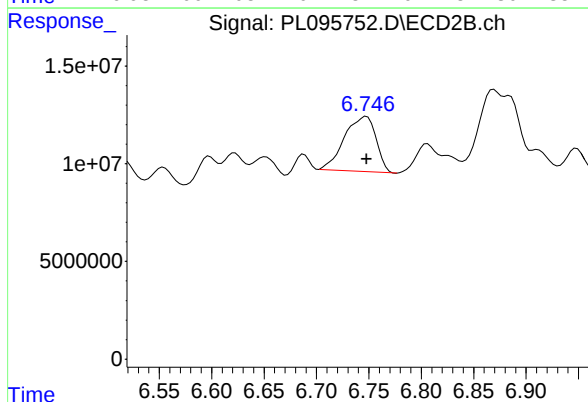
R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 18382533
Conc: 502.46 ng/ml



#5 Toxaphene-4

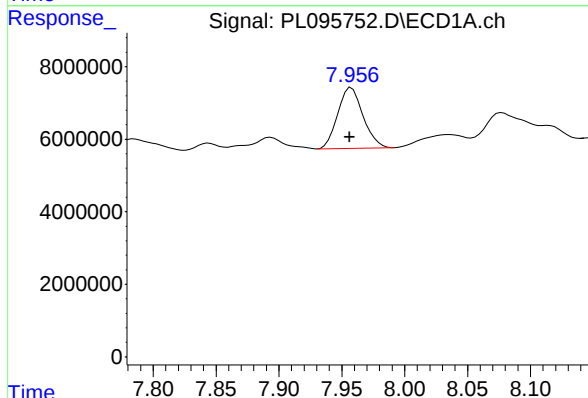
R.T.: 7.177 min
Delta R.T.: 0.001 min
Response: 33135236
Conc: 505.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125TOX



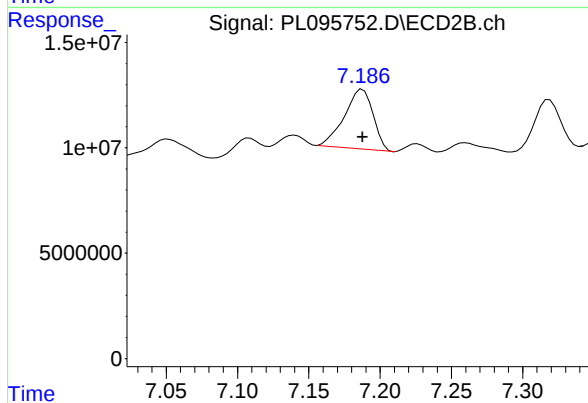
#5 Toxaphene-4

R.T.: 6.748 min
Delta R.T.: 0.000 min
Response: 58920327
Conc: 500.42 ng/ml



#6 Toxaphene-5

R.T.: 7.958 min
Delta R.T.: 0.001 min
Response: 23485148
Conc: 507.54 ng/ml



#6 Toxaphene-5

R.T.: 7.188 min
Delta R.T.: 0.000 min
Response: 39543084
Conc: 484.75 ng/ml

Response_

Signal: PL095752.D\ECD1A.ch

#7 Decachlorobiphenyl

R.T.: 9.104 min

Delta R.T.: 0.002 min

Response: 123976903

Conc: 50.37 ng/ml

Instrument :

ECD_L

ClientSampleId :

ICVPL052125TOX

1.5e+07

9.102

1e+07

5000000

0

8.90 9.00 9.10 9.20 9.30

Time

Response_

Signal: PL095752.D\ECD2B.ch

#7 Decachlorobiphenyl

R.T.: 8.064 min

Delta R.T.: 0.002 min

Response: 247597356

Conc: 51.06 ng/ml

3e+07

8.062

2e+07

1e+07

0

7.80 7.90 8.00 8.10 8.20 8.30

Time



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 17:01 Initial Calibration Time(s): 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.10	9.10	9.00	9.20	0.00
Tetrachloro-m-xylene	3.57	3.57	3.47	3.67	0.00
gamma-BHC (Lindane)	4.36	4.36	4.26	4.46	0.00
Heptachlor	4.95	4.96	4.86	5.06	0.01
Heptachlor epoxide	5.72	5.72	5.62	5.82	0.00
Endrin	6.60	6.60	6.50	6.70	0.00
Methoxychlor	7.52	7.52	7.42	7.62	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 17:01 Initial Calibration Time(s): 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.89	2.89	2.79	2.99	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No.: CCAL01 Date Analyzed: 06/03/2025

Lab Sample No.: PSTDCCC050 Data File : PL095897.D Time Analyzed: 17:01

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.098	9.003	9.203	43.980	50.000	-12.0
Endrin	6.601	6.502	6.702	44.600	50.000	-10.8
gamma-BHC (Lindane)	4.356	4.257	4.457	49.830	50.000	-0.3
Heptachlor	4.953	4.855	5.055	48.950	50.000	-2.1
Heptachlor epoxide	5.717	5.618	5.818	48.650	50.000	-2.7
Methoxychlor	7.520	7.423	7.623	44.540	50.000	-10.9
Tetrachloro-m-xylene	3.572	3.473	3.673	50.900	50.000	1.8



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No.: CCAL01 Date Analyzed: 06/03/2025

Lab Sample No.: PSTDCCC050 Data File : PL095897.D Time Analyzed: 17:01

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.059	7.964	8.164	42.370	50.000	-15.3
Endrin	5.779	5.683	5.883	45.120	50.000	-9.8
gamma-BHC (Lindane)	3.729	3.630	3.830	52.270	50.000	4.5
Heptachlor	4.081	3.983	4.183	51.390	50.000	2.8
Heptachlor epoxide	4.868	4.771	4.971	49.980	50.000	0.0
Methoxychlor	6.747	6.651	6.851	40.990	50.000	-18.0
Tetrachloro-m-xylene	2.886	2.786	2.986	51.450	50.000	2.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
 Data File : PL095897.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 17:01
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 06/04/2025

Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 03:39:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.572	2.886	160.6E6	201.4E6	50.900	51.454
28)	SA Decachlor...	9.098	8.059	103.6E6	185.3E6	43.981	42.369
Target Compounds							
2)	A alpha-BHC	4.024	3.395	242.7E6	313.1E6	50.062	53.462
3)	MA gamma-BHC...	4.356	3.729	222.8E6	292.8E6	49.832	52.268
4)	MA Heptachlor	4.953	4.081	185.3E6	288.3E6	48.948	51.391
5)	MB Aldrin	5.296	4.364	208.3E6	275.2E6	48.687	51.855m
6)	B beta-BHC	4.543	4.024	96846249	127.6E6	49.126	51.505
7)	B delta-BHC	4.791	4.259	219.7E6	296.0E6	49.562	52.407
8)	B Heptachlo...	5.717	4.868	185.7E6	246.8E6	48.650	49.976
9)	A Endosulfan I	6.100	5.240	173.0E6	219.1E6	47.199	45.986
10)	B gamma-Chl...	5.971	5.120	185.1E6	262.0E6	47.552	49.881
11)	B alpha-Chl...	6.052	5.184	185.7E6	259.9E6	47.030	49.958
12)	B 4,4'-DDE	6.222	5.371	169.9E6	245.4E6	46.316	45.772
13)	MA Dieldrin	6.373	5.505	181.4E6	259.2E6	47.013	48.904
14)	MA Endrin	6.601	5.779	143.9E6	220.0E6	44.596	45.125m
15)	B Endosulfa...	6.814	6.070	145.2E6	222.1E6	42.139	46.738
16)	A 4,4'-DDD	6.733	5.922	135.6E6	210.2E6	46.274	47.938m
17)	MA 4,4'-DDT	7.047	6.177	119.0E6	198.3E6	43.996	41.457
18)	B Endrin al...	6.942	6.248	111.3E6	160.1E6	46.040	46.352
19)	B Endosulfa...	7.176	6.471	134.9E6	201.8E6	45.150	44.896
20)	A Methoxychlor	7.520	6.747	56802901	107.2E6	44.540	40.993
21)	B Endrin ke...	7.657	6.977	146.8E6	227.2E6	46.366	43.911
22)	Mirex	8.139	7.169	105.8E6	170.9E6	45.736	42.094m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095897.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 17:01
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

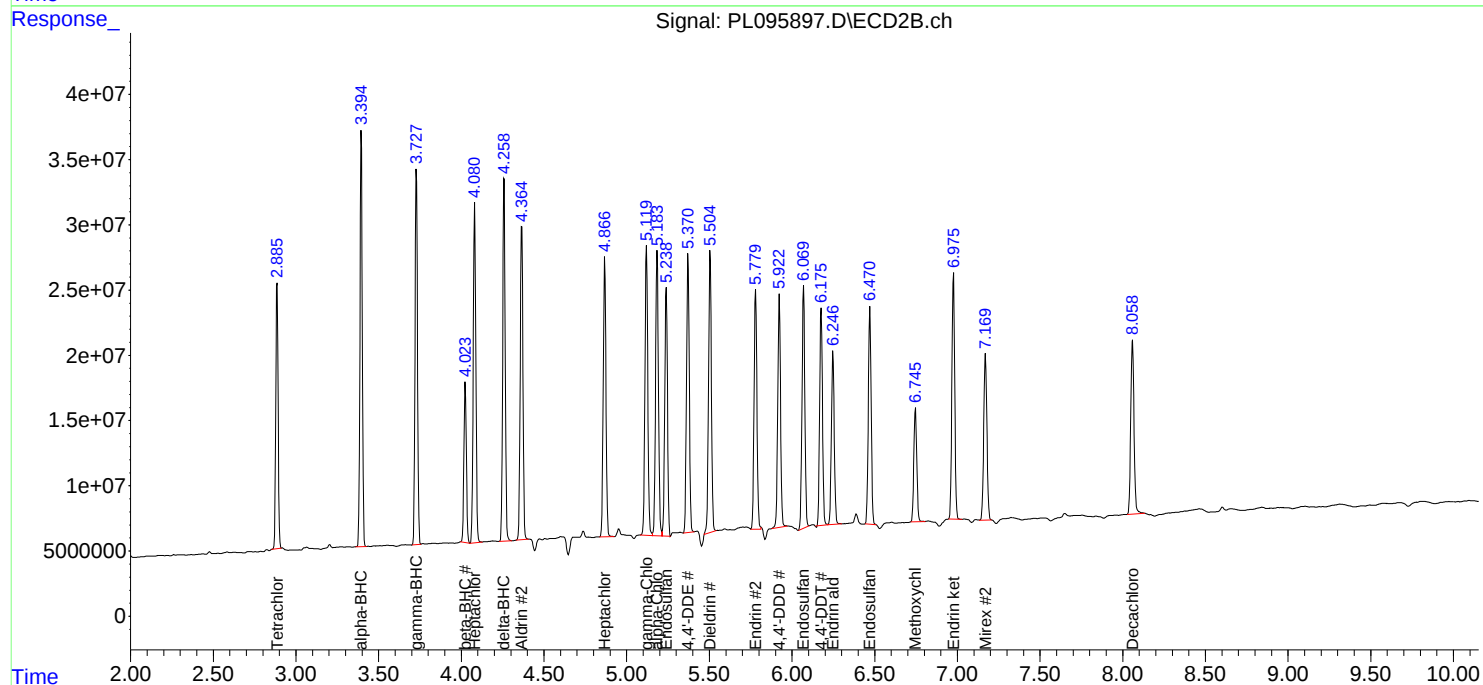
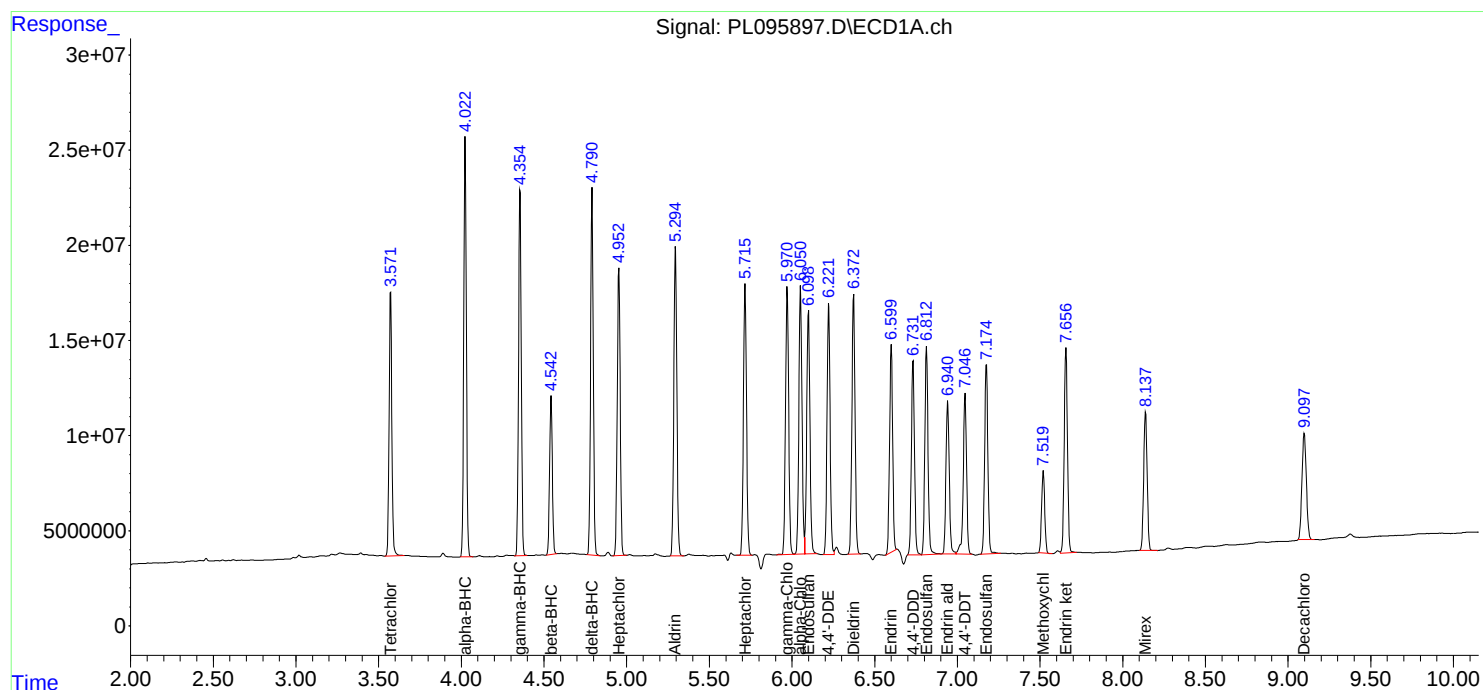
APPROVED

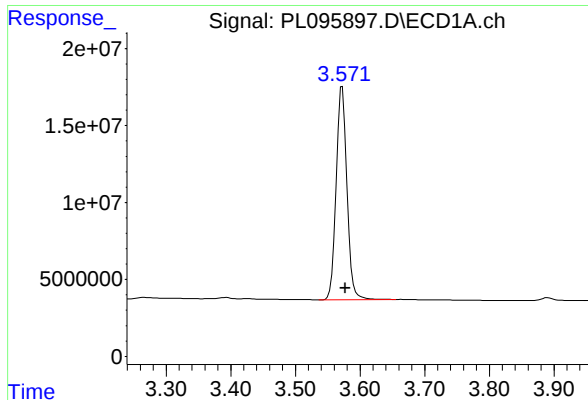
Reviewed By :Abdul Mirza 06/04/2025

Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:39:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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





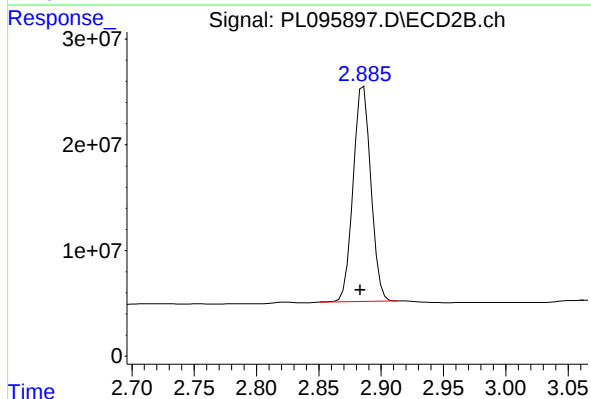
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 160604411
Conc: 50.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

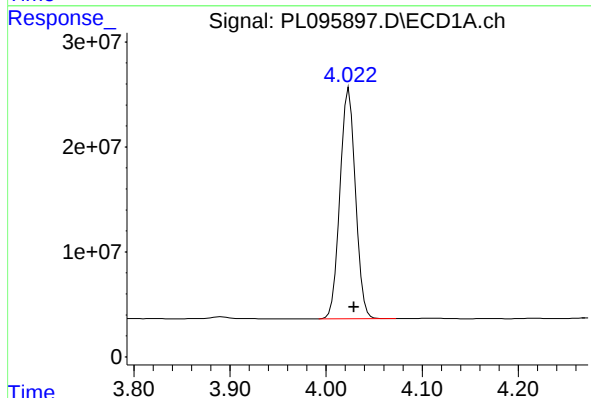
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



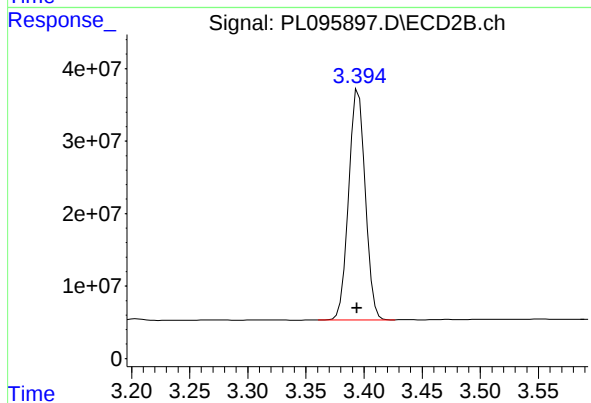
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 201386846
Conc: 51.45 ng/ml



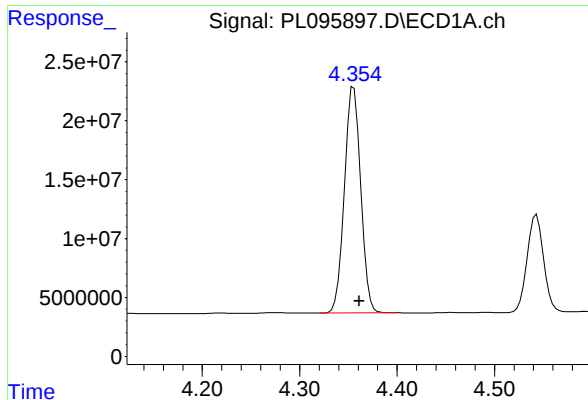
#2 alpha-BHC

R.T.: 4.024 min
Delta R.T.: -0.005 min
Response: 242698825
Conc: 50.06 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: 0.001 min
Response: 313142998
Conc: 53.46 ng/ml



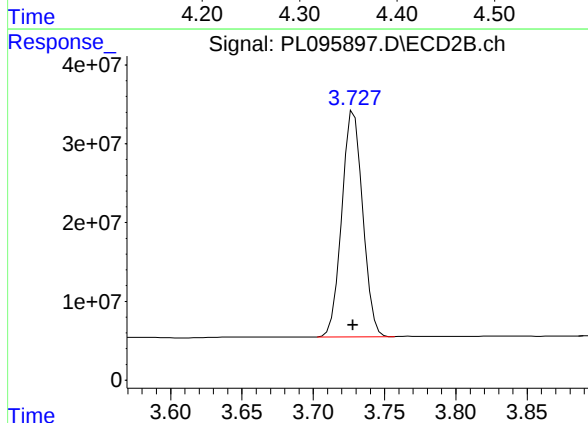
#3 gamma-BHC (Lindane)

R.T.: 4.356 min
Delta R.T.: -0.006 min
Response: 222839473
Conc: 49.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

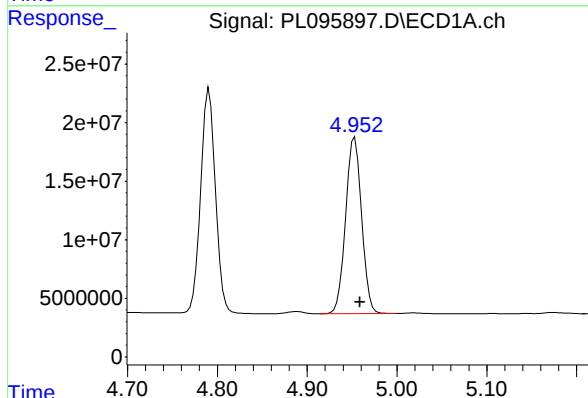
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



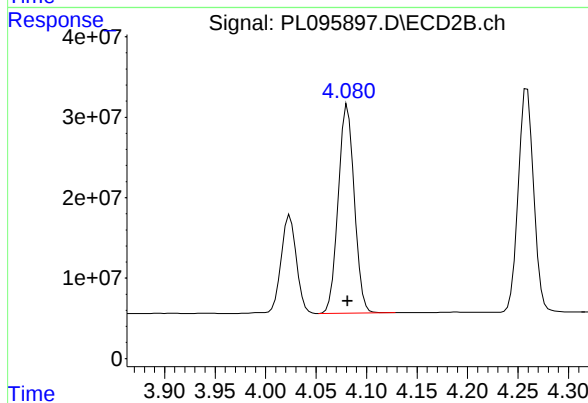
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 292766869
Conc: 52.27 ng/ml



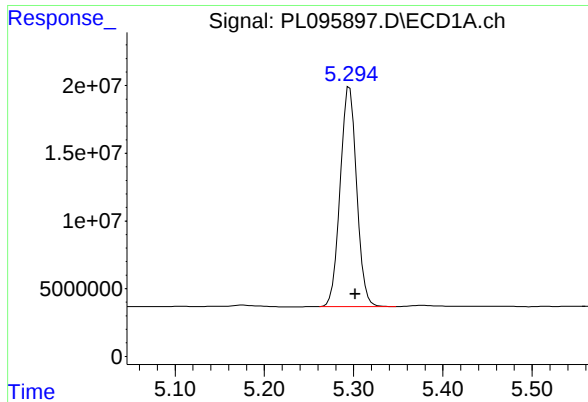
#4 Heptachlor

R.T.: 4.953 min
Delta R.T.: -0.006 min
Response: 185269781
Conc: 48.95 ng/ml



#4 Heptachlor

R.T.: 4.081 min
Delta R.T.: 0.000 min
Response: 288252837
Conc: 51.39 ng/ml



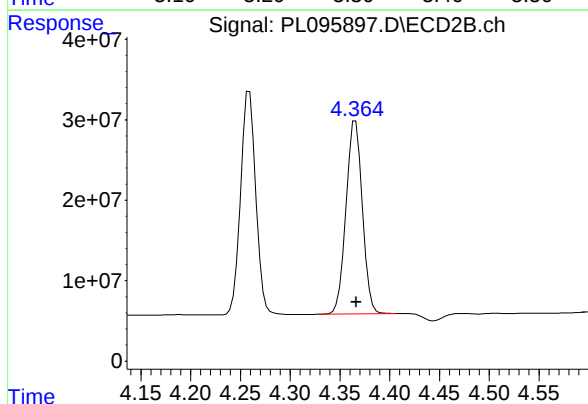
#5 Aldrin

R.T.: 5.296 min
Delta R.T.: -0.006 min
Response: 208270487
Conc: 48.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

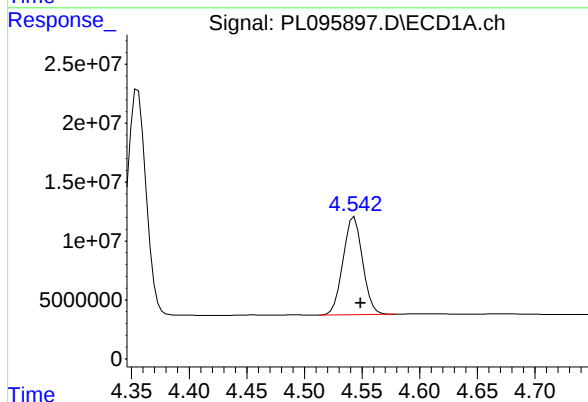
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



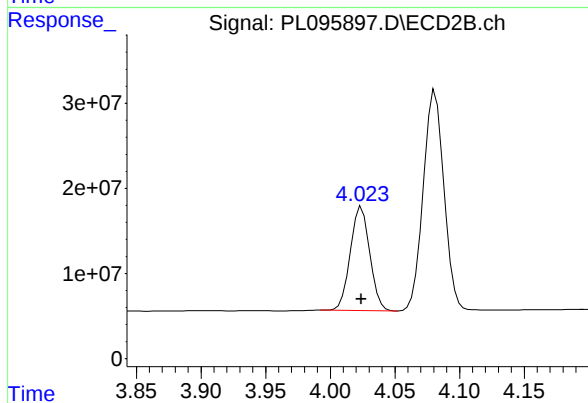
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: -0.002 min
Response: 275197583
Conc: 51.85 ng/ml m



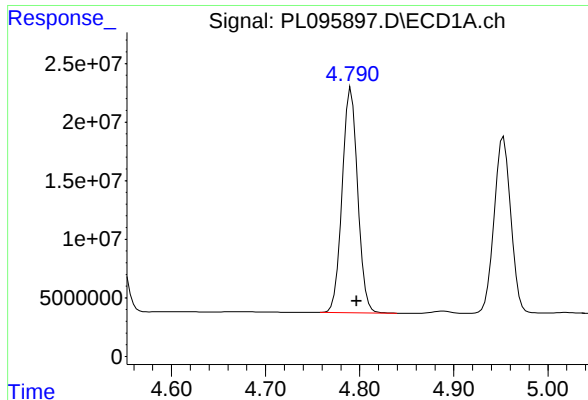
#6 beta-BHC

R.T.: 4.543 min
Delta R.T.: -0.006 min
Response: 96846249
Conc: 49.13 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 127607169
Conc: 51.51 ng/ml



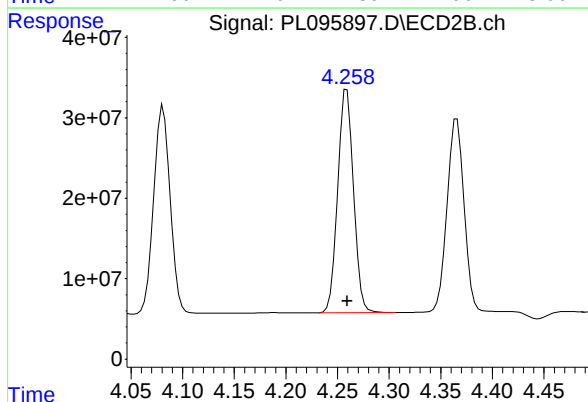
#7 delta-BHC

R.T.: 4.791 min
Delta R.T.: -0.006 min
Response: 219737483
Conc: 49.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

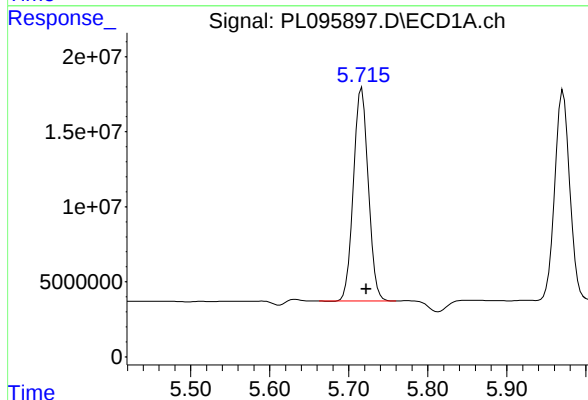
Manual Integrations
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Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



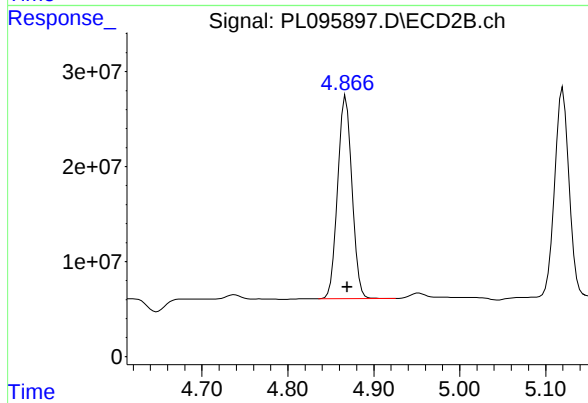
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 295961985
Conc: 52.41 ng/ml



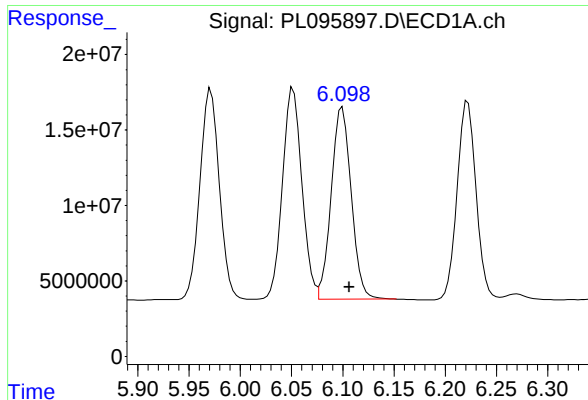
#8 Heptachlor epoxide

R.T.: 5.717 min
Delta R.T.: -0.006 min
Response: 185692193
Conc: 48.65 ng/ml



#8 Heptachlor epoxide

R.T.: 4.868 min
Delta R.T.: -0.002 min
Response: 246753940
Conc: 49.98 ng/ml



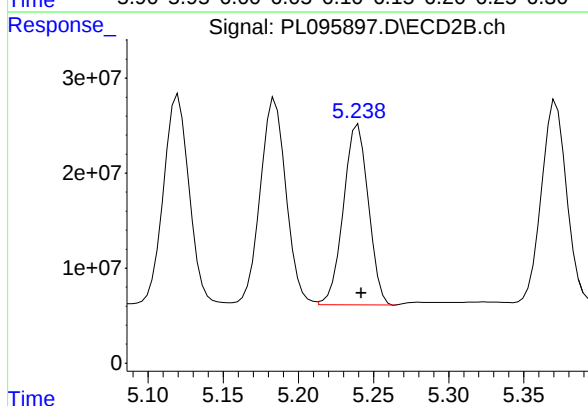
#9 Endosulfan I

R.T.: 6.100 min
Delta R.T.: -0.006 min
Response: 172977552
Conc: 47.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

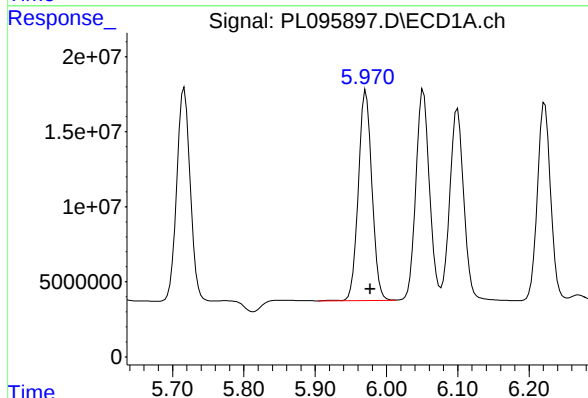
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



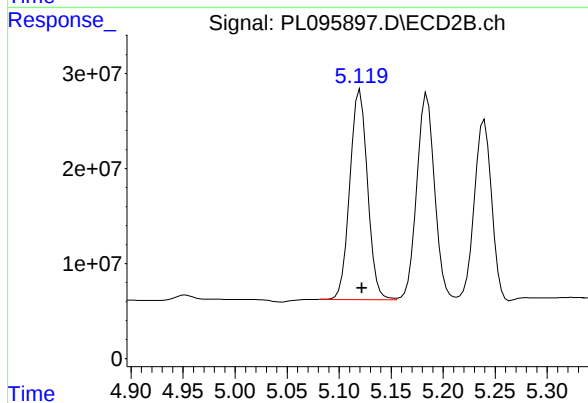
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: -0.002 min
Response: 219123798
Conc: 45.99 ng/ml



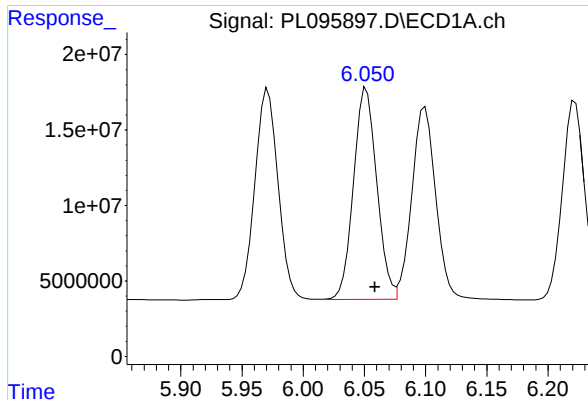
#10 gamma-Chlordane

R.T.: 5.971 min
Delta R.T.: -0.006 min
Response: 185076914
Conc: 47.55 ng/ml



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 262009591
Conc: 49.88 ng/ml



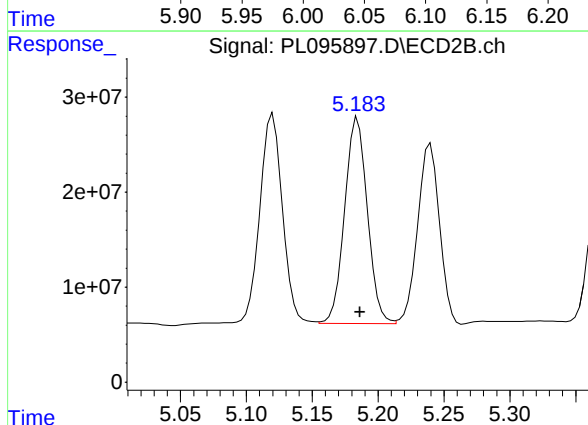
#11 alpha-Chlordane

R.T.: 6.052 min
Delta R.T.: -0.007 min
Response: 185682068
Conc: 47.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

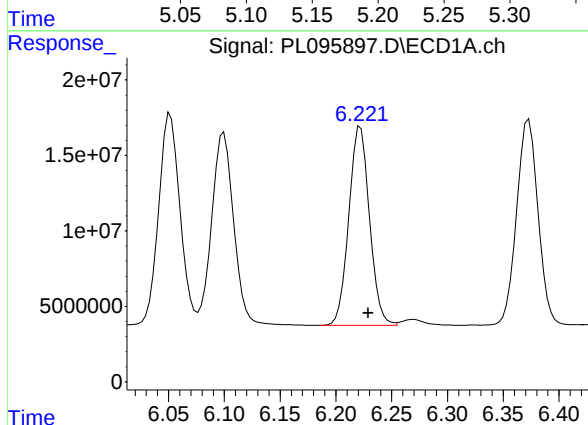
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



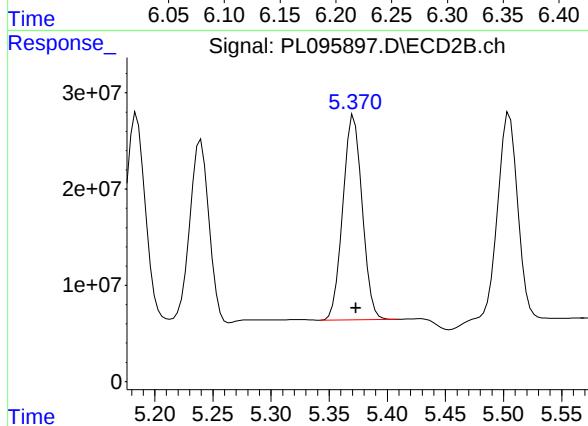
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 259918471
Conc: 49.96 ng/ml



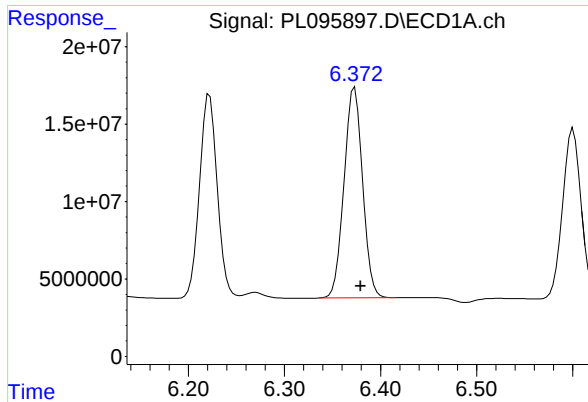
#12 4,4'-DDE

R.T.: 6.222 min
Delta R.T.: -0.007 min
Response: 169882960
Conc: 46.32 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: -0.002 min
Response: 245434126
Conc: 45.77 ng/ml



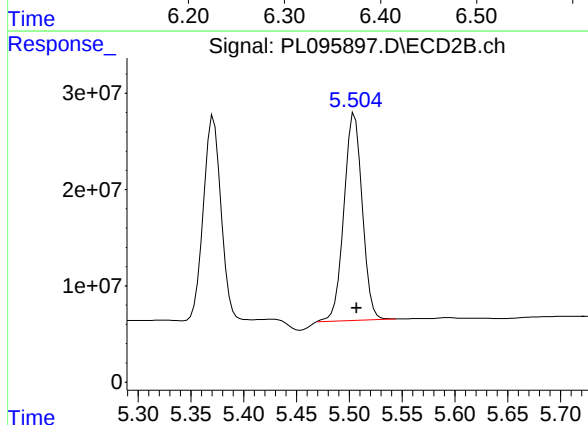
#13 Dieldrin

R.T.: 6.373 min
Delta R.T.: -0.006 min
Response: 181433224
Conc: 47.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

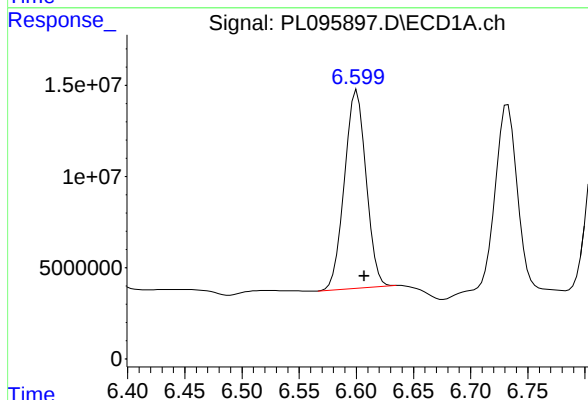
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



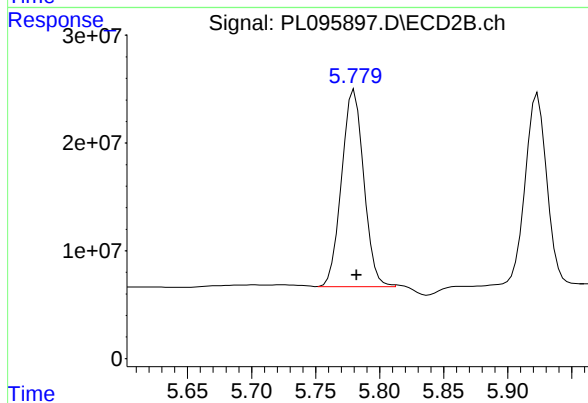
#13 Dieldrin

R.T.: 5.505 min
Delta R.T.: -0.002 min
Response: 259195796
Conc: 48.90 ng/ml



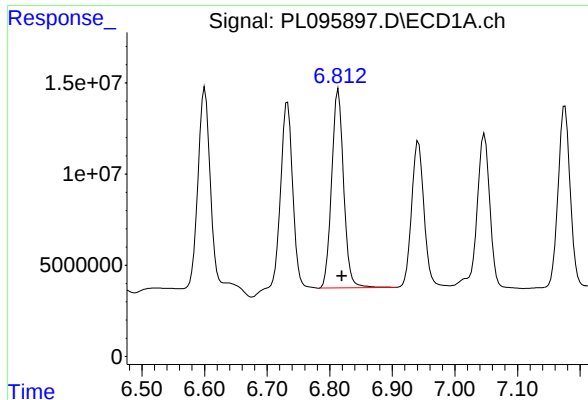
#14 Endrin

R.T.: 6.601 min
Delta R.T.: -0.006 min
Response: 143901018
Conc: 44.60 ng/ml



#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 220033073
Conc: 45.12 ng/ml m



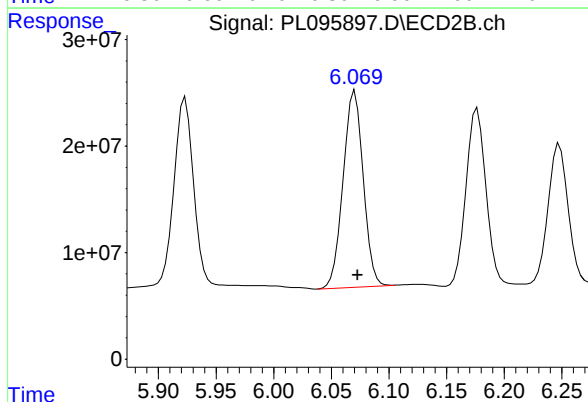
#15 Endosulfan II

R.T.: 6.814 min
Delta R.T.: -0.006 min
Response: 145213215
Conc: 42.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

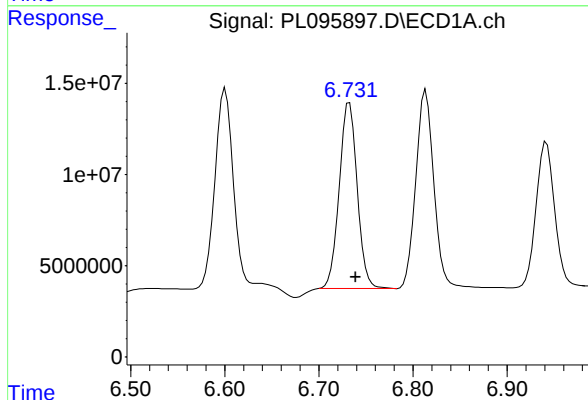
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



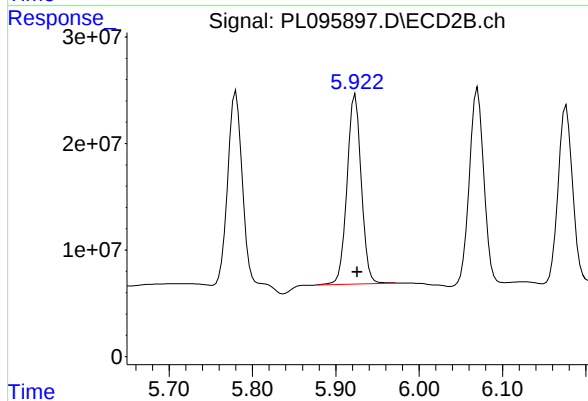
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 222086826
Conc: 46.74 ng/ml



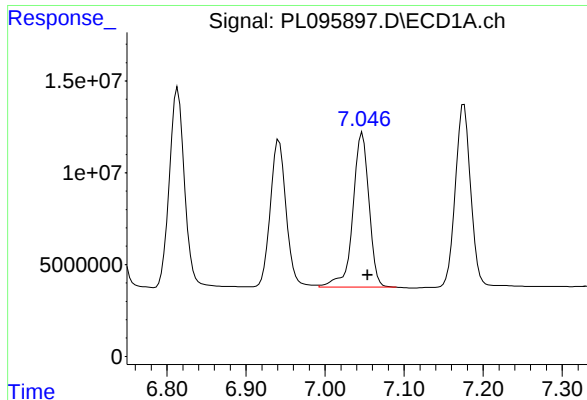
#16 4,4'-DDD

R.T.: 6.733 min
Delta R.T.: -0.006 min
Response: 135611932
Conc: 46.27 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: -0.003 min
Response: 210203650
Conc: 47.94 ng/ml m



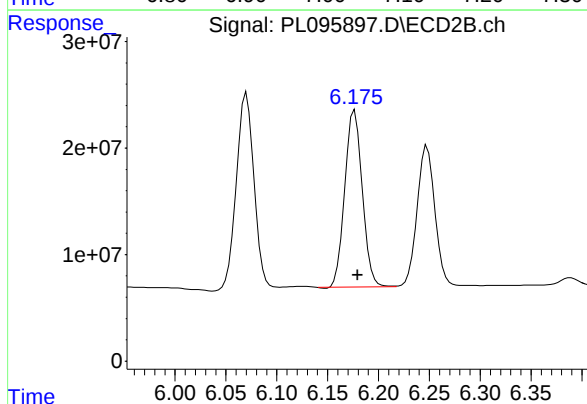
#17 4,4'-DDT

R.T.: 7.047 min
Delta R.T.: -0.007 min
Response: 119015669
Conc: 44.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

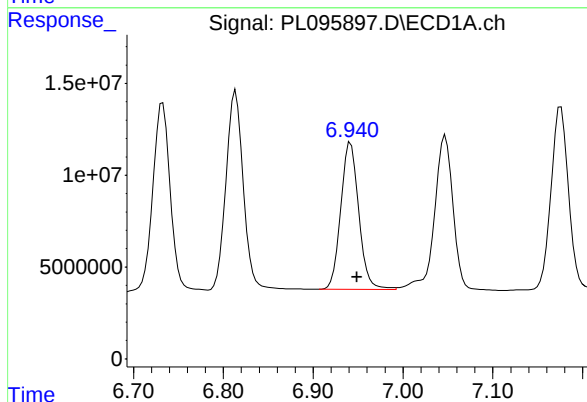
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



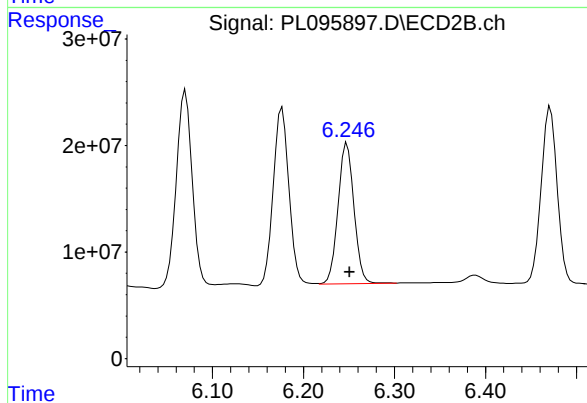
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: -0.003 min
Response: 198269972
Conc: 41.46 ng/ml



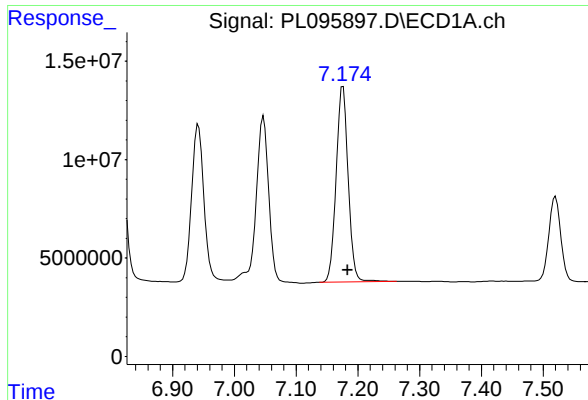
#18 Endrin aldehyde

R.T.: 6.942 min
Delta R.T.: -0.007 min
Response: 111306876
Conc: 46.04 ng/ml



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.003 min
Response: 160112841
Conc: 46.35 ng/ml



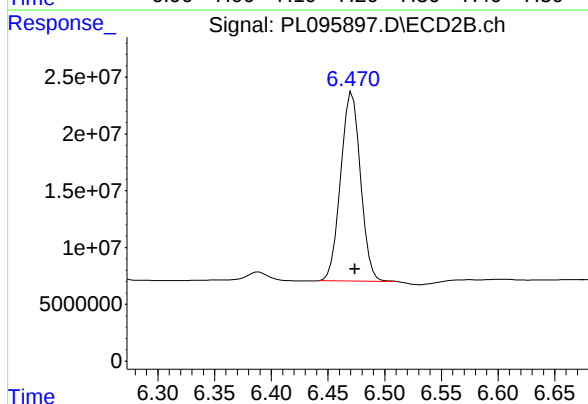
#19 Endosulfan Sulfate

R.T.: 7.176 min
Delta R.T.: -0.008 min
Response: 134860094
Conc: 45.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

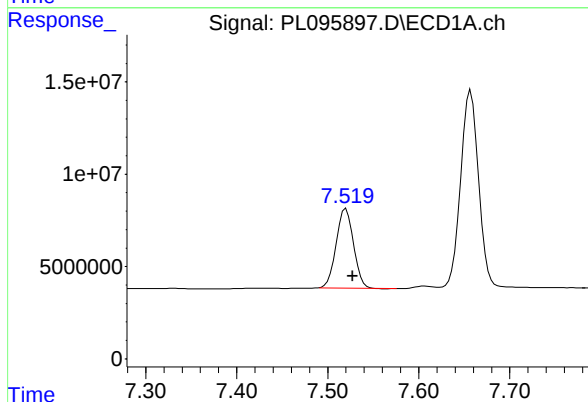
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



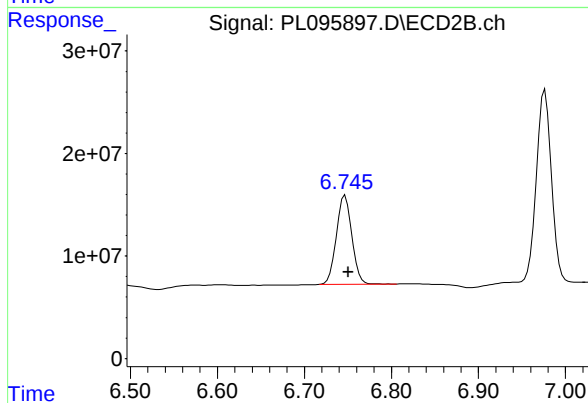
#19 Endosulfan Sulfate

R.T.: 6.471 min
Delta R.T.: -0.002 min
Response: 201794558
Conc: 44.90 ng/ml



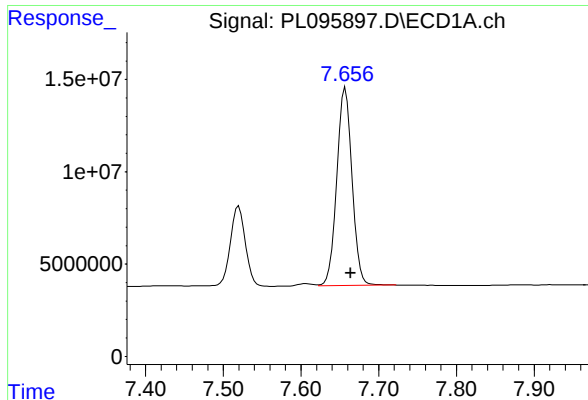
#20 Methoxychlor

R.T.: 7.520 min
Delta R.T.: -0.008 min
Response: 56802901
Conc: 44.54 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.003 min
Response: 107241738
Conc: 40.99 ng/ml



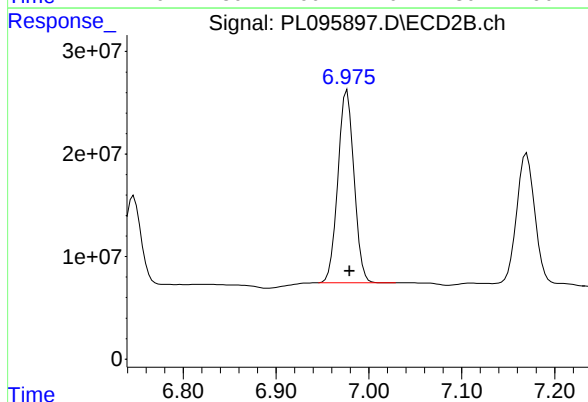
#21 Endrin ketone

R.T.: 7.657 min
Delta R.T.: -0.007 min
Response: 146838542
Conc: 46.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

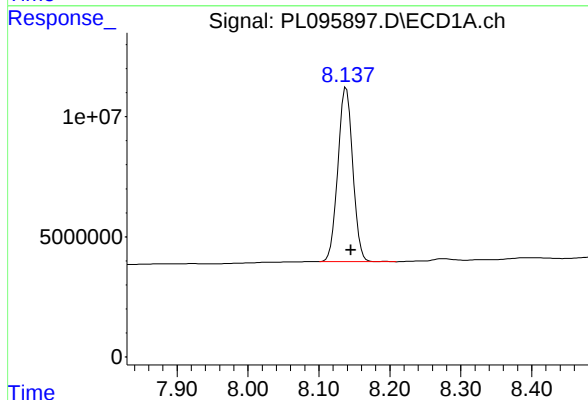
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



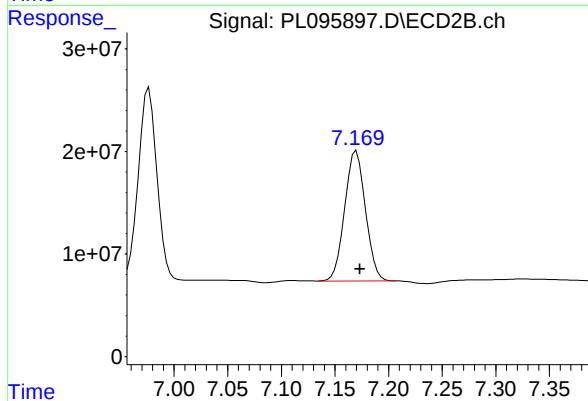
#21 Endrin ketone

R.T.: 6.977 min
Delta R.T.: -0.003 min
Response: 227188980
Conc: 43.91 ng/ml



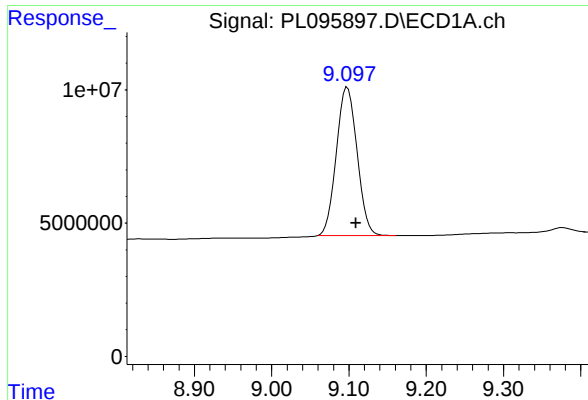
#22 Mirex

R.T.: 8.139 min
Delta R.T.: -0.007 min
Response: 105821842
Conc: 45.74 ng/ml



#22 Mirex

R.T.: 7.169 min
Delta R.T.: -0.005 min
Response: 170922165
Conc: 42.09 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.011 min
Response: 103633833
Conc: 43.98 ng/ml

Instrument :

ECD_L

ClientSampleId :

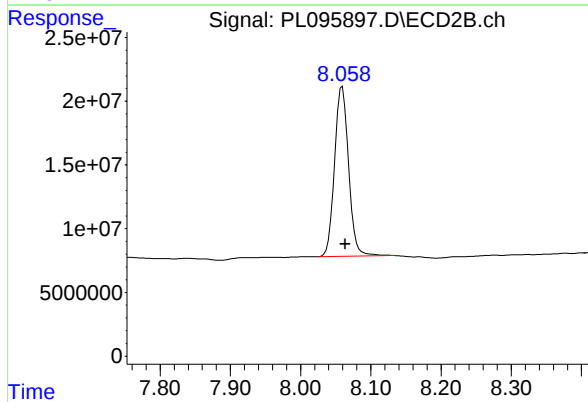
PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 06/04/2025

Supervised By :mohammad ahmed 06/05/2025



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 185339711
Conc: 42.37 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 19:18 Initial Calibration Time(s): 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.10	9.10	9.00	9.20	0.00
Tetrachloro-m-xylene	3.57	3.57	3.47	3.67	0.00
gamma-BHC (Lindane)	4.36	4.36	4.26	4.46	0.00
Heptachlor	4.95	4.96	4.86	5.06	0.01
Heptachlor epoxide	5.72	5.72	5.62	5.82	0.00
Endrin	6.60	6.60	6.50	6.70	0.00
Methoxychlor	7.52	7.52	7.42	7.62	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 19:18 Initial Calibration Time(s): 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.89	2.89	2.79	2.99	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00



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CALIBRATION VERIFICATION SUMMARY
Contract: PORT06
Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025
Client Sample No.: CCAL02 **Date Analyzed:** 06/03/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL095907.D **Time Analyzed:** 19:18

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.097	9.003	9.203	49.020	50.000	-2.0
Endrin	6.599	6.502	6.702	48.510	50.000	-3.0
gamma-BHC (Lindane)	4.355	4.257	4.457	55.210	50.000	10.4
Heptachlor	4.953	4.855	5.055	53.750	50.000	7.5
Heptachlor epoxide	5.716	5.618	5.818	54.140	50.000	8.3
Methoxychlor	7.519	7.423	7.623	48.380	50.000	-3.2
Tetrachloro-m-xylene	3.572	3.473	3.673	54.960	50.000	9.9



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CALIBRATION VERIFICATION SUMMARY
Contract: PORT06
Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025
Client Sample No.: CCAL02 **Date Analyzed:** 06/03/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL095907.D **Time Analyzed:** 19:18

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.059	7.964	8.164	51.620	50.000	3.2
Endrin	5.778	5.683	5.883	51.740	50.000	3.5
gamma-BHC (Lindane)	3.729	3.630	3.830	58.190	50.000	16.4
Heptachlor	4.081	3.983	4.183	56.080	50.000	12.2
Heptachlor epoxide	4.867	4.771	4.971	57.480	50.000	15.0
Methoxychlor	6.746	6.651	6.851	47.170	50.000	-5.7
Tetrachloro-m-xylene	2.885	2.786	2.986	57.170	50.000	14.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
 Data File : PL095907.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 19:18
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/04/2025

Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 03:40:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.572	2.885	173.4E6	223.8E6	54.959	57.174
28)	SA Decachlor...	9.097	8.059	115.5E6	225.8E6	49.017	51.624
Target Compounds							
2)	A alpha-BHC	4.024	3.395	268.4E6	346.5E6	55.359	59.153
3)	MA gamma-BHC...	4.355	3.729	246.9E6	325.9E6	55.212	58.186
4)	MA Heptachlor	4.953	4.081	203.4E6	314.5E6	53.750	56.077
5)	MB Aldrin	5.295	4.364	234.0E6	308.2E6	54.702	58.065m
6)	B beta-BHC	4.542	4.024	106.9E6	142.1E6	54.215	57.341
7)	B delta-BHC	4.791	4.259	242.7E6	328.8E6	54.747	58.214
8)	B Heptachlo...	5.716	4.867	206.6E6	283.8E6	54.137	57.475
9)	A Endosulfan I	6.099	5.239	194.9E6	252.1E6	53.177	52.913
10)	B gamma-Chl...	5.969	5.120	206.1E6	304.2E6	52.953m	57.912
11)	B alpha-Chl...	6.051	5.184	209.3E6	300.0E6	53.020	57.655
12)	B 4,4'-DDE	6.221	5.370	187.8E6	293.8E6	51.204	54.794m
13)	MA Dieldrin	6.371	5.504	206.1E6	303.6E6	53.396	57.290
14)	MA Endrin	6.599	5.778	156.5E6	252.3E6	48.513	51.742m
15)	B Endosulfa...	6.812	6.070	165.2E6	267.7E6	47.935	56.331
16)	A 4,4'-DDD	6.731	5.923	158.8E6	255.4E6	54.172	58.238
17)	MA 4,4'-DDT	7.046	6.176	129.2E6	233.8E6	47.762	48.892
18)	B Endrin al...	6.940	6.247	125.8E6	189.9E6	52.045	54.982
19)	B Endosulfa...	7.175	6.471	153.3E6	245.9E6	51.324	54.714
20)	A Methoxychlor	7.519	6.746	61704179	123.4E6	48.383	47.167
21)	B Endrin ke...	7.655	6.976	167.9E6	284.8E6	53.029	55.048
22)	Mirex	8.136	7.170	119.5E6	213.2E6	51.655	52.508

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095907.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:18
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

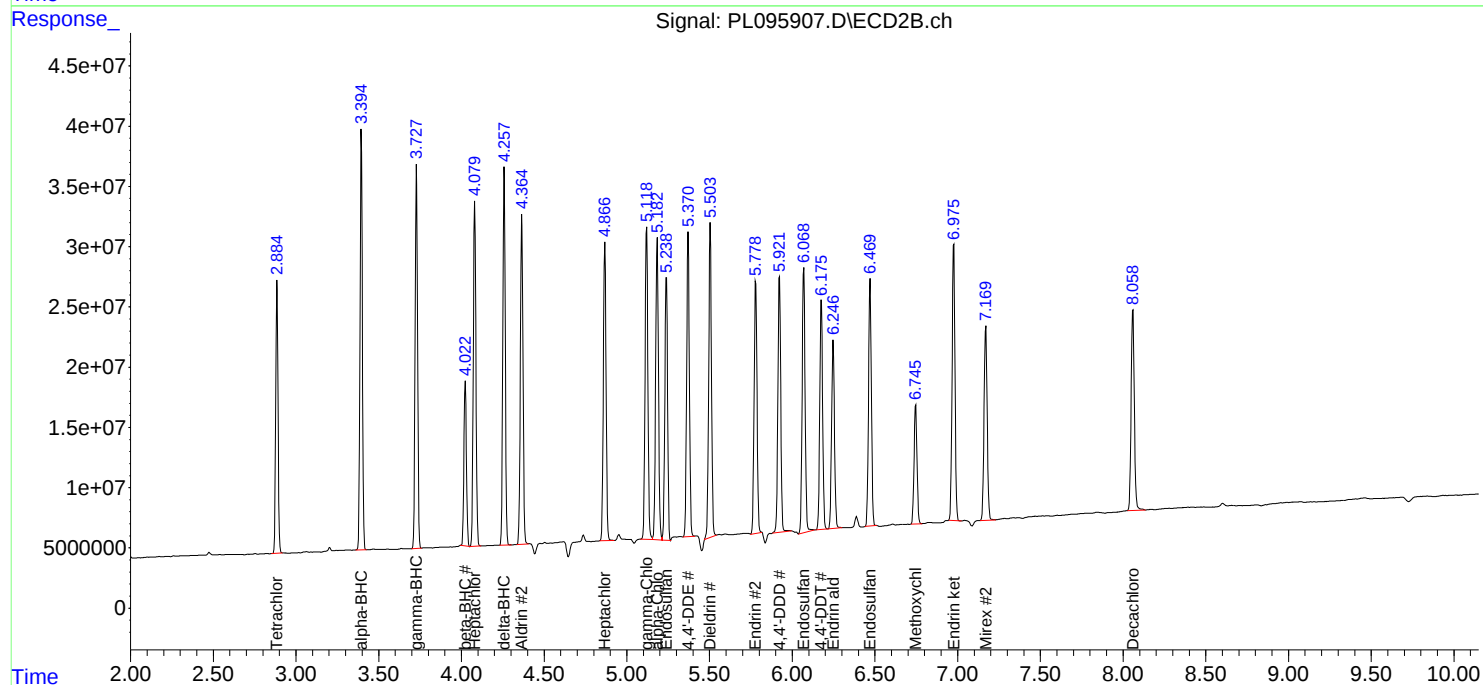
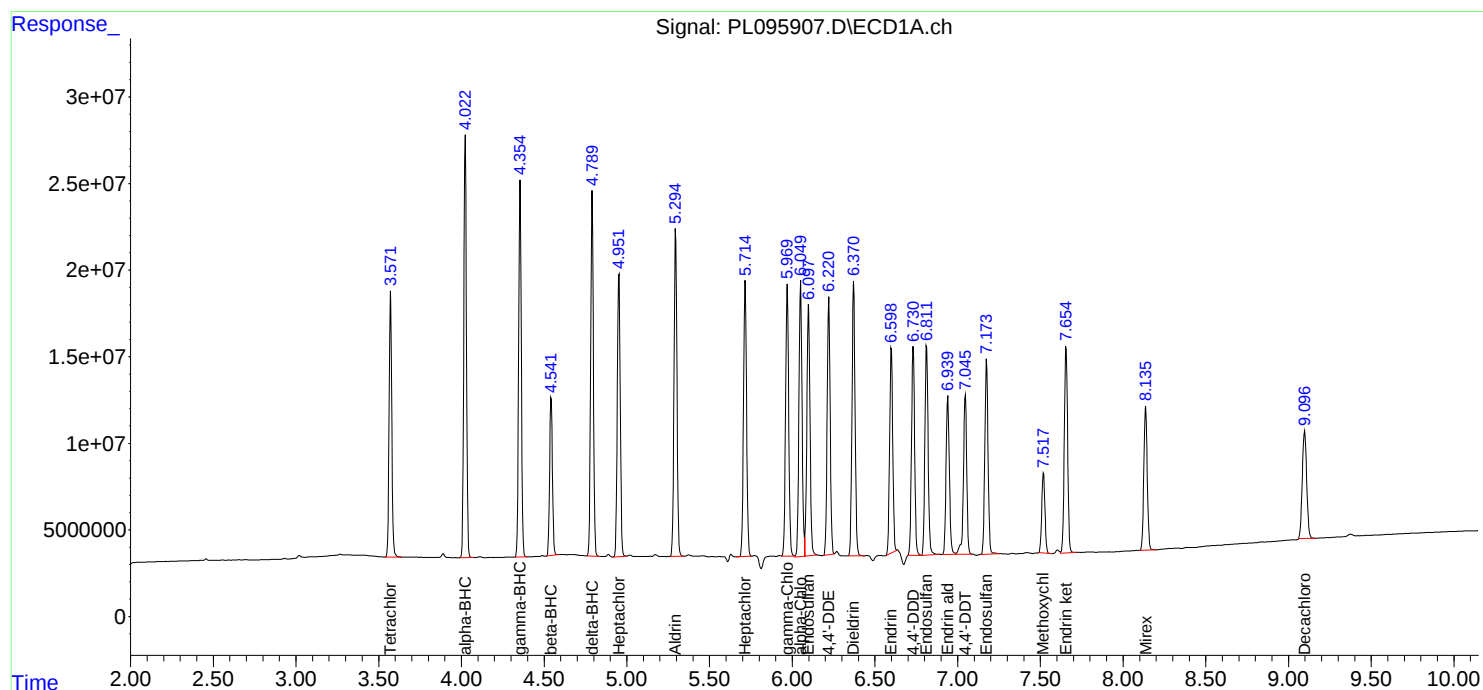
APPROVED

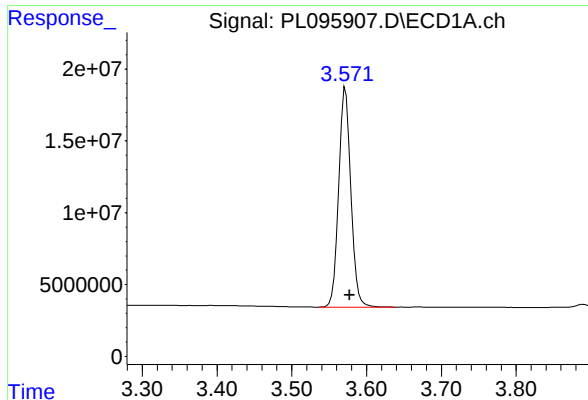
Reviewed By :Abdul Mirza 06/04/2025

Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:40:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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





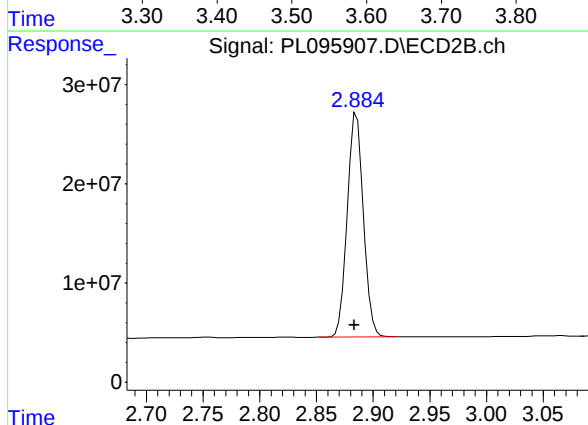
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 173409721
Conc: 54.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

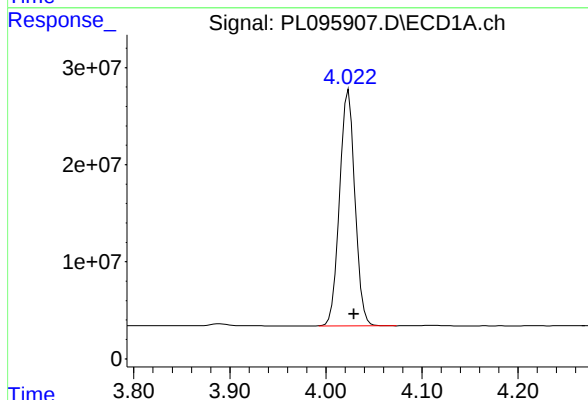
Manual Integrations
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Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



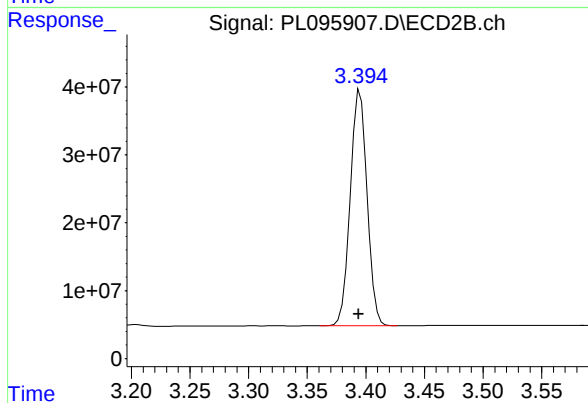
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 223777034
Conc: 57.17 ng/ml



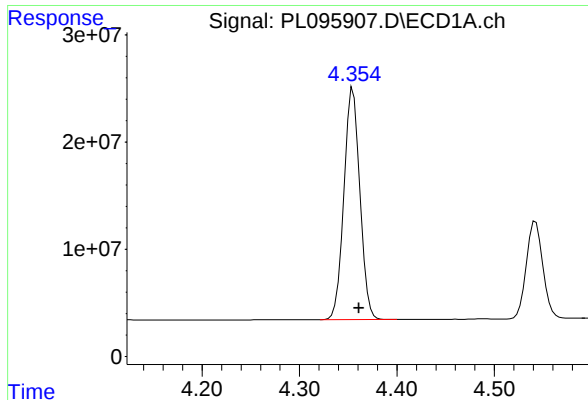
#2 alpha-BHC

R.T.: 4.024 min
Delta R.T.: -0.006 min
Response: 268377006
Conc: 55.36 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: 0.001 min
Response: 346478637
Conc: 59.15 ng/ml



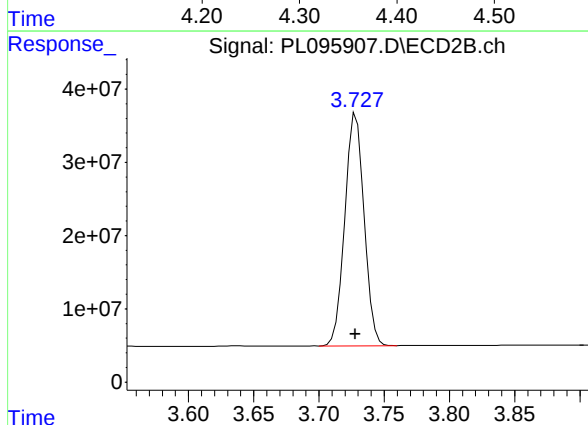
#3 gamma-BHC (Lindane)

R.T.: 4.355 min
Delta R.T.: -0.006 min
Response: 246901099
Conc: 55.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

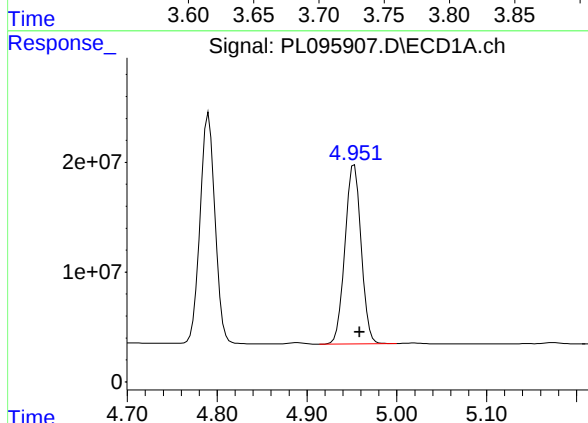
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



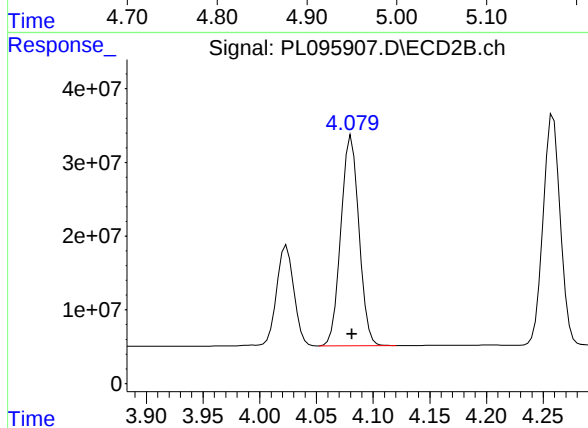
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 325912950
Conc: 58.19 ng/ml



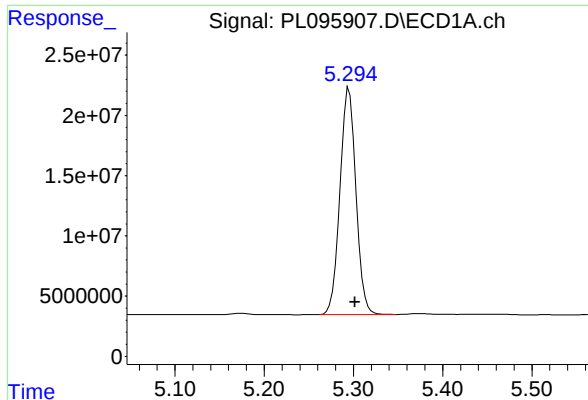
#4 Heptachlor

R.T.: 4.953 min
Delta R.T.: -0.006 min
Response: 203445224
Conc: 53.75 ng/ml



#4 Heptachlor

R.T.: 4.081 min
Delta R.T.: 0.000 min
Response: 314541877
Conc: 56.08 ng/ml



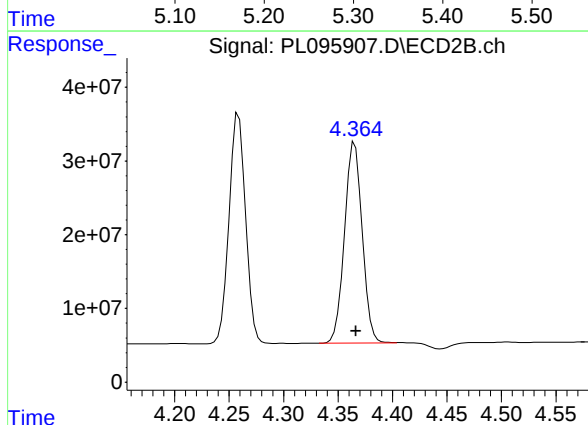
#5 Aldrin

R.T.: 5.295 min
Delta R.T.: -0.007 min
Response: 234001361
Conc: 54.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

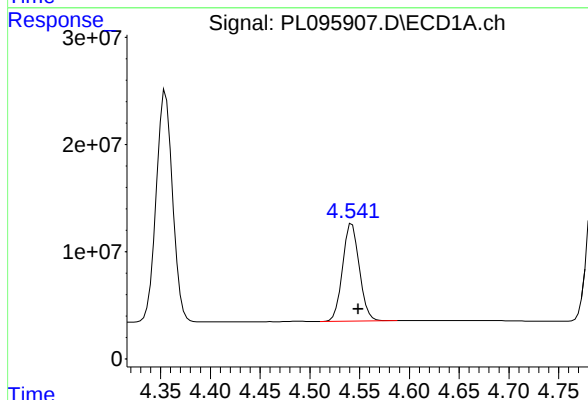
Manual Integrations
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Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



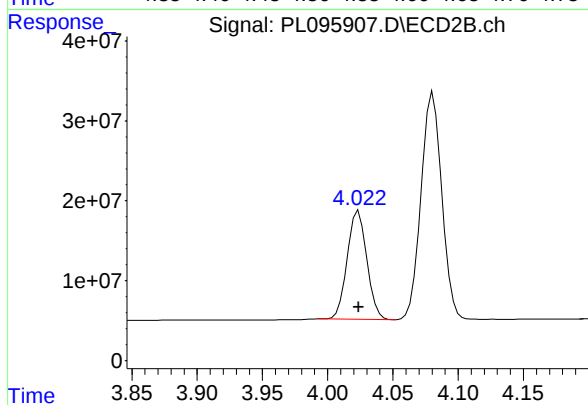
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: -0.002 min
Response: 308156714
Conc: 58.06 ng/ml



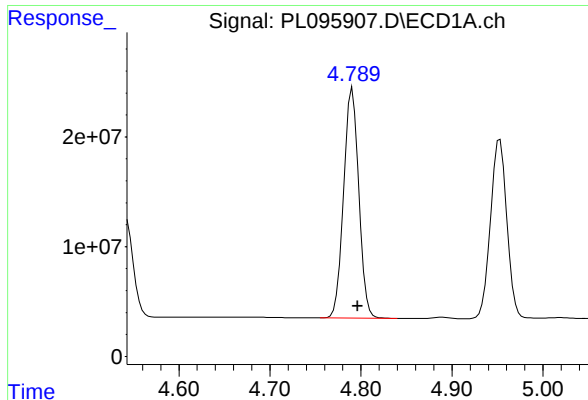
#6 beta-BHC

R.T.: 4.542 min
Delta R.T.: -0.006 min
Response: 106876680
Conc: 54.21 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 142065216
Conc: 57.34 ng/ml



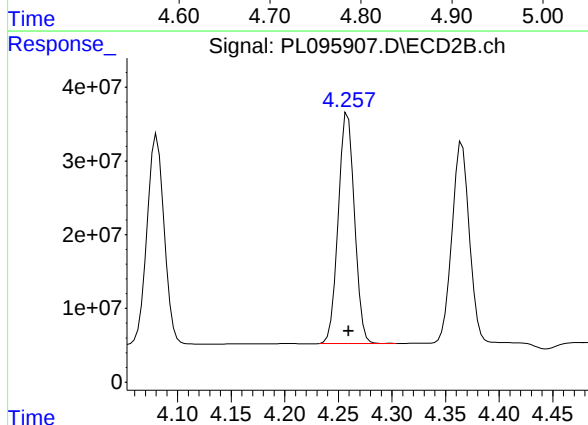
#7 delta-BHC

R.T.: 4.791 min
Delta R.T.: -0.006 min
Response: 242725780
Conc: 54.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

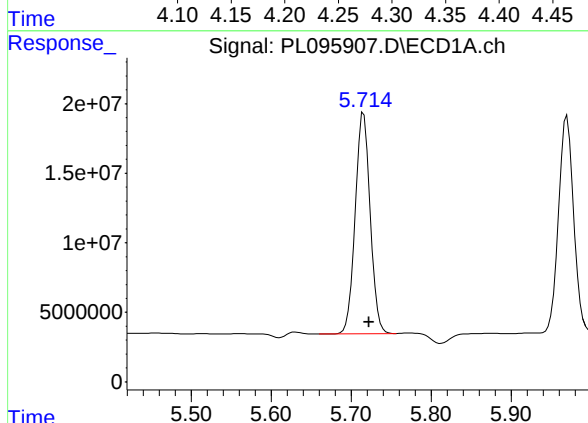
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



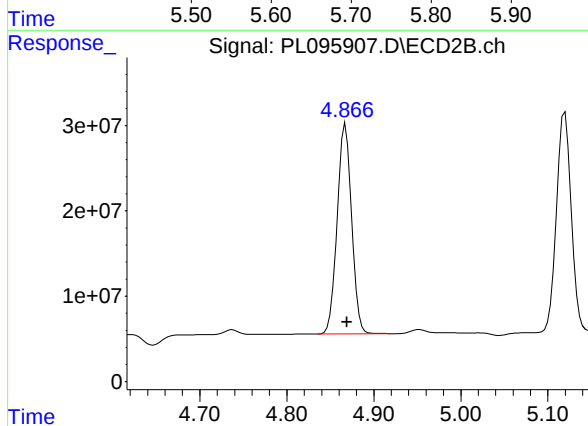
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 328756758
Conc: 58.21 ng/ml



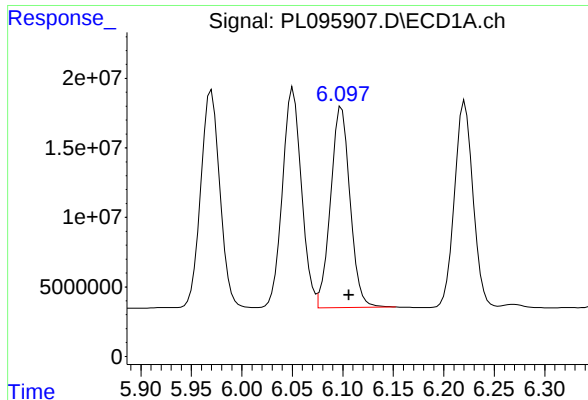
#8 Heptachlor epoxide

R.T.: 5.716 min
Delta R.T.: -0.007 min
Response: 206634463
Conc: 54.14 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: -0.002 min
Response: 283780635
Conc: 57.48 ng/ml



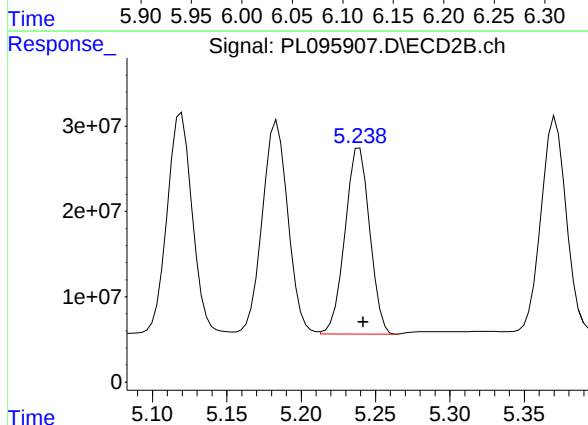
#9 Endosulfan I

R.T.: 6.099 min
Delta R.T.: -0.007 min
Response: 194884768
Conc: 53.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

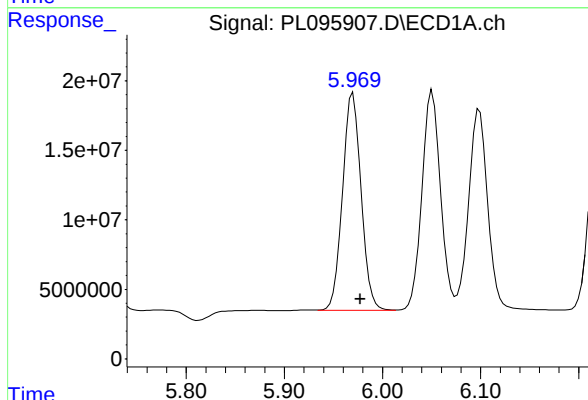
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



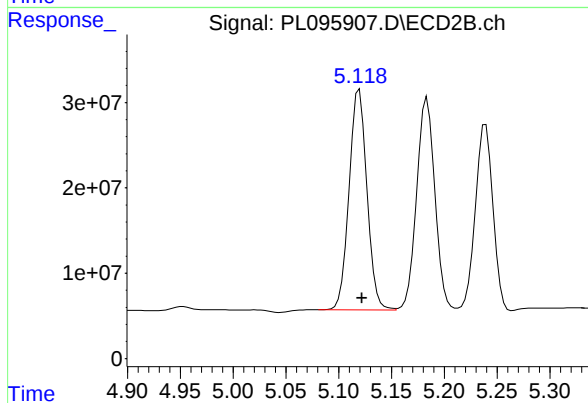
#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: -0.003 min
Response: 252131302
Conc: 52.91 ng/ml



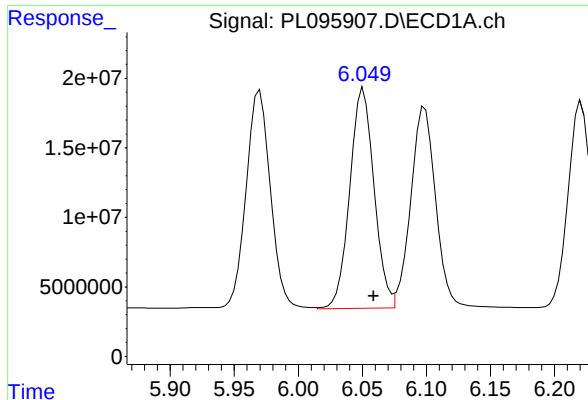
#10 gamma-Chlordane

R.T.: 5.969 min
Delta R.T.: -0.009 min
Response: 206098380
Conc: 52.95 ng/ml m



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 304195346
Conc: 57.91 ng/ml



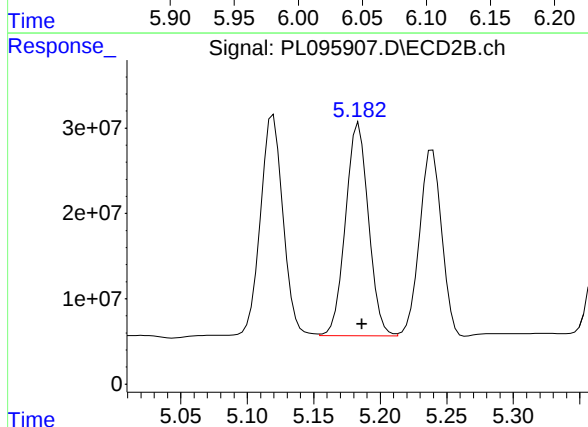
#11 alpha-Chlordane

R.T.: 6.051 min
Delta R.T.: -0.008 min
Response: 209332135
Conc: 53.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

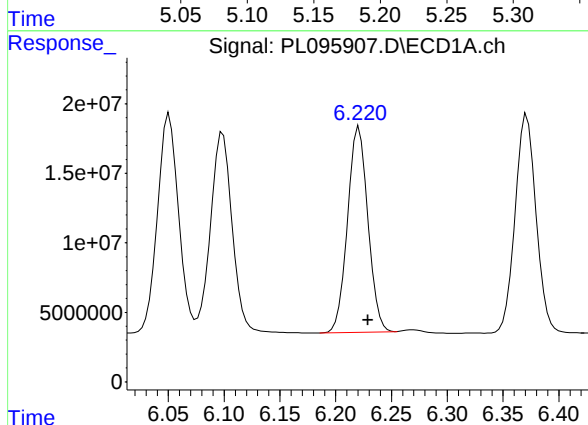
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



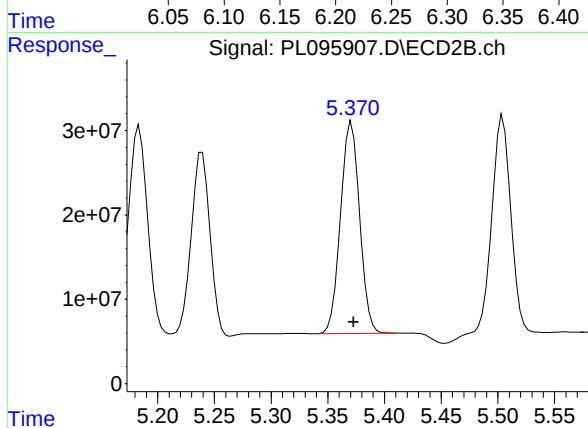
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.003 min
Response: 299966129
Conc: 57.66 ng/ml



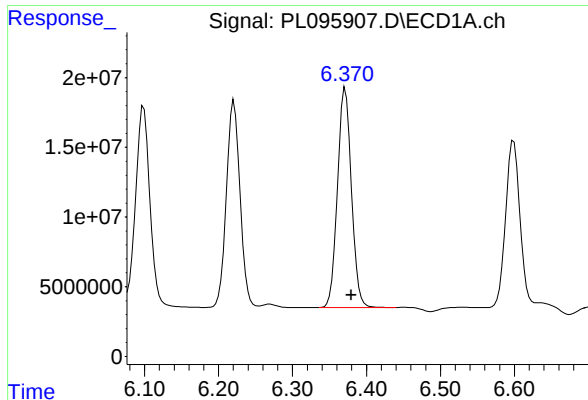
#12 4,4'-DDE

R.T.: 6.221 min
Delta R.T.: -0.008 min
Response: 187811169
Conc: 51.20 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: -0.003 min
Response: 293815707
Conc: 54.79 ng/ml m



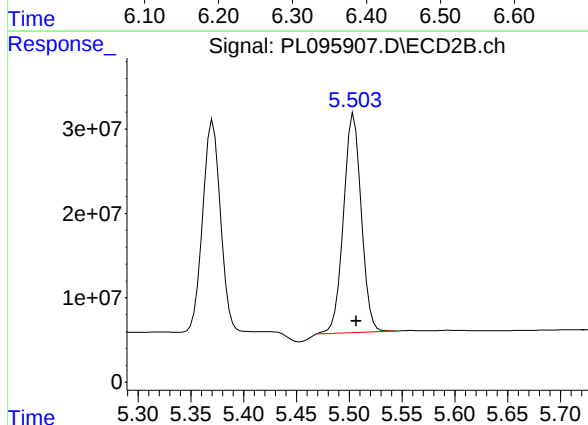
#13 Dieldrin

R.T.: 6.371 min
Delta R.T.: -0.008 min
Response: 206066013
Conc: 53.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

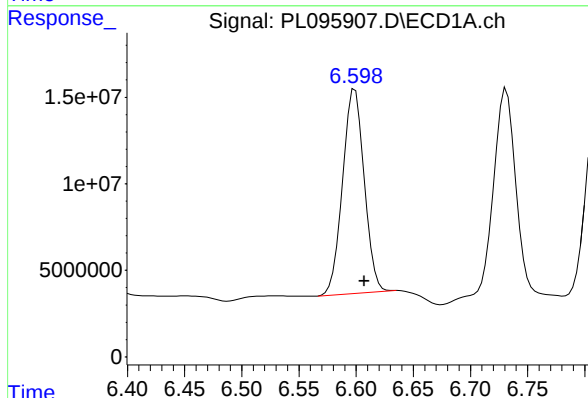
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



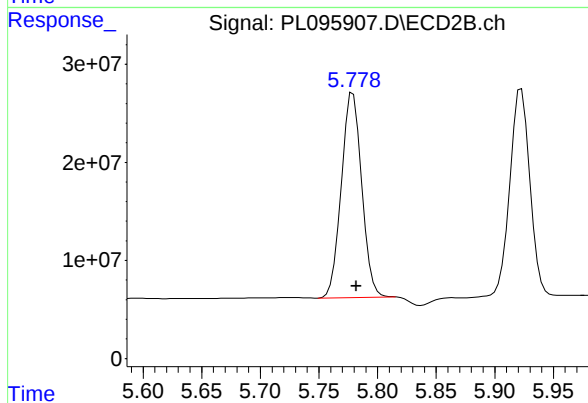
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.002 min
Response: 303641190
Conc: 57.29 ng/ml



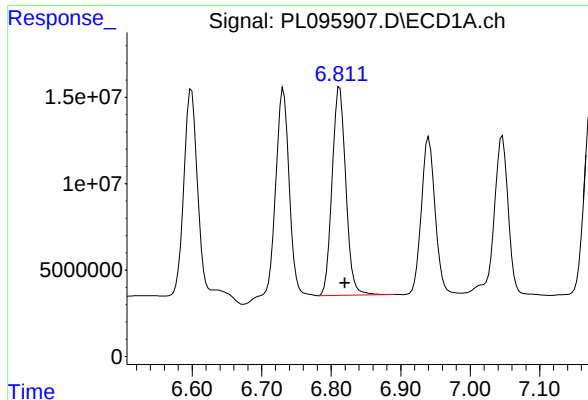
#14 Endrin

R.T.: 6.599 min
Delta R.T.: -0.008 min
Response: 156539604
Conc: 48.51 ng/ml



#14 Endrin

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 252298452
Conc: 51.74 ng/ml m



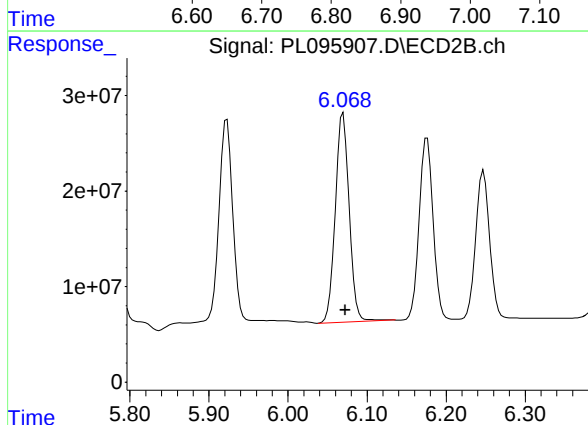
#15 Endosulfan II

R.T.: 6.812 min
Delta R.T.: -0.008 min
Response: 165186294
Conc: 47.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

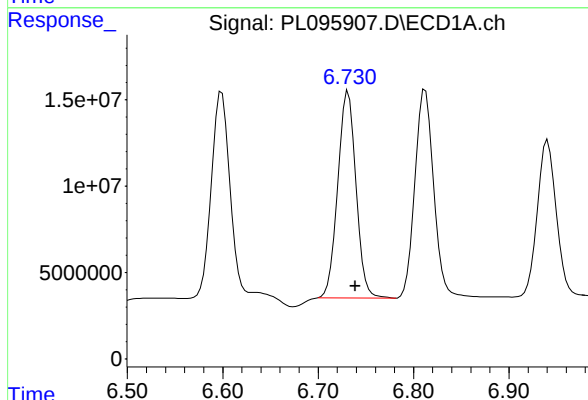
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



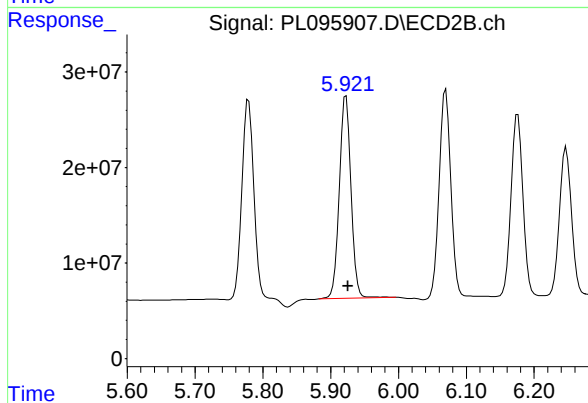
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.003 min
Response: 267670514
Conc: 56.33 ng/ml



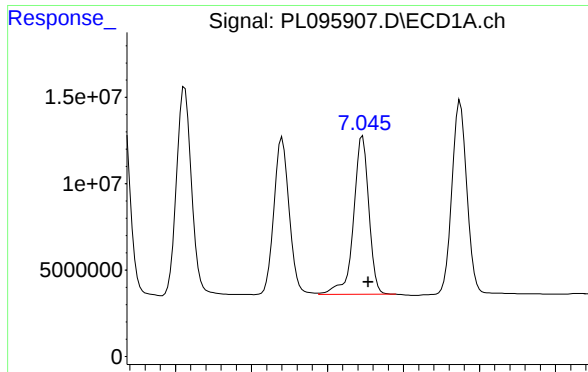
#16 4,4'-DDD

R.T.: 6.731 min
Delta R.T.: -0.007 min
Response: 158756044
Conc: 54.17 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.003 min
Response: 255369960
Conc: 58.24 ng/ml



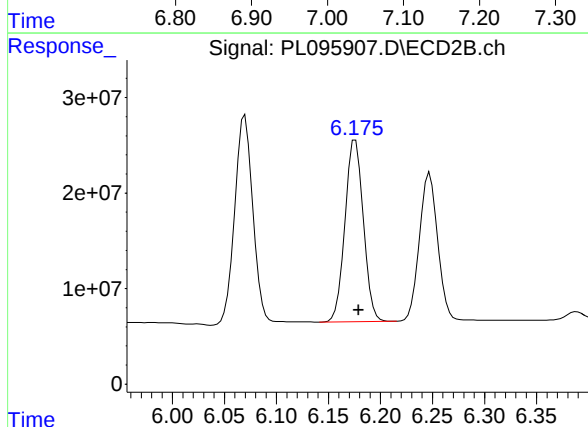
#17 4,4'-DDT

R.T.: 7.046 min
Delta R.T.: -0.008 min
Response: 129203568
Conc: 47.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

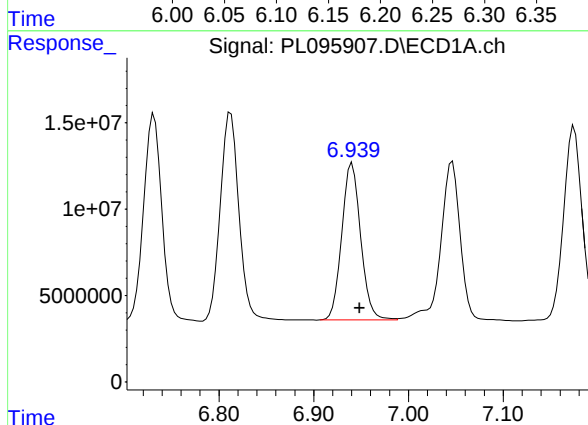
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



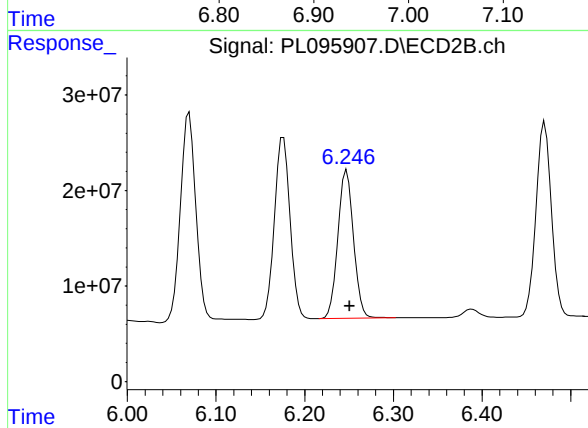
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.003 min
Response: 233831269
Conc: 48.89 ng/ml



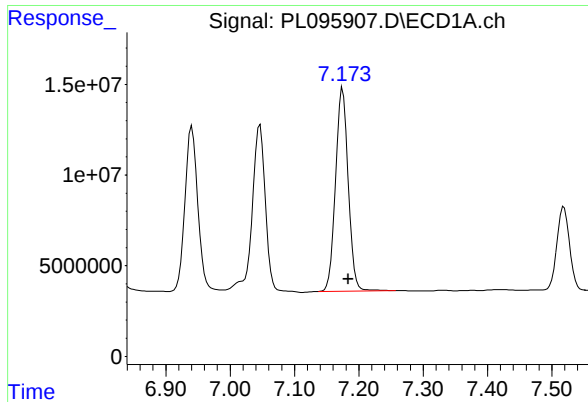
#18 Endrin aldehyde

R.T.: 6.940 min
Delta R.T.: -0.008 min
Response: 125825809
Conc: 52.05 ng/ml



#18 Endrin aldehyde

R.T.: 6.247 min
Delta R.T.: -0.003 min
Response: 189923319
Conc: 54.98 ng/ml



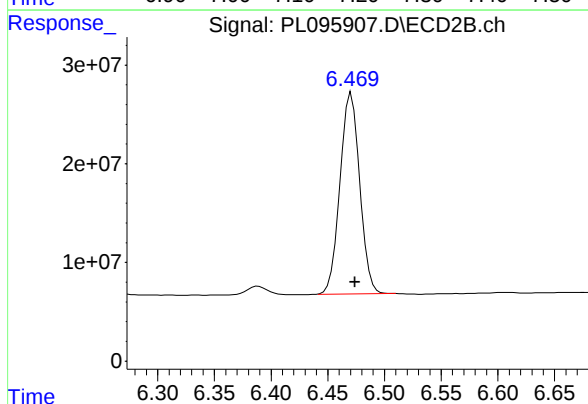
#19 Endosulfan Sulfate

R.T.: 7.175 min
Delta R.T.: -0.009 min
Response: 153302133
Conc: 51.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

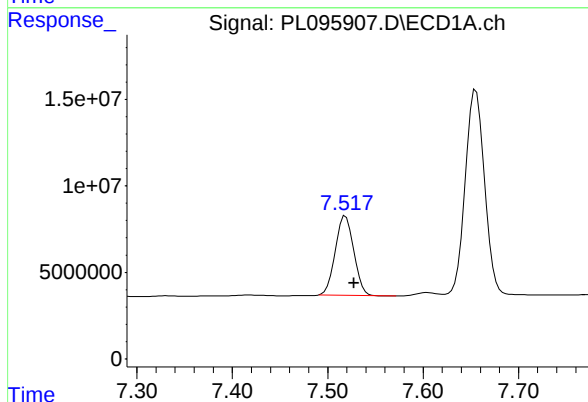
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



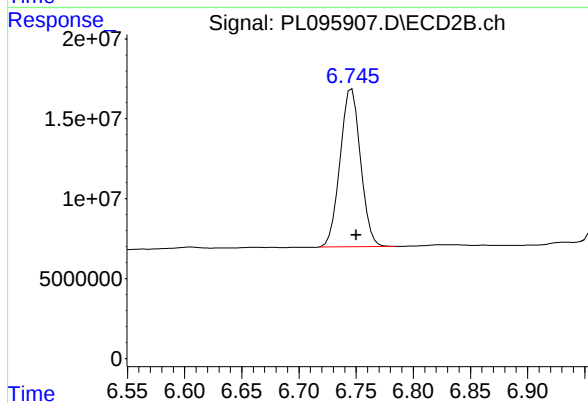
#19 Endosulfan Sulfate

R.T.: 6.471 min
Delta R.T.: -0.003 min
Response: 245927568
Conc: 54.71 ng/ml



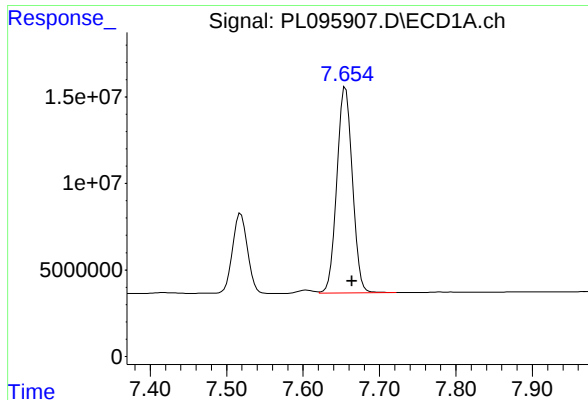
#20 Methoxychlor

R.T.: 7.519 min
Delta R.T.: -0.009 min
Response: 61704179
Conc: 48.38 ng/ml



#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: -0.004 min
Response: 123393765
Conc: 47.17 ng/ml



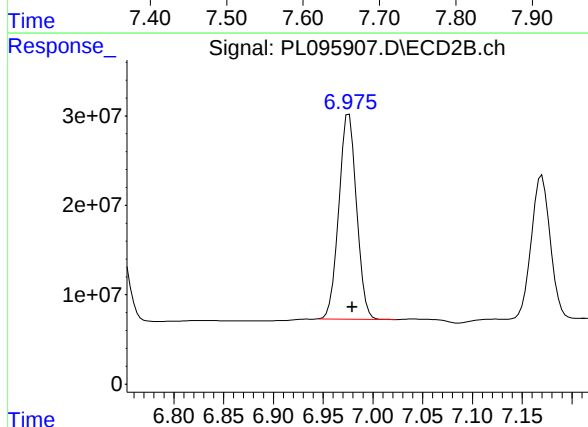
#21 Endrin ketone

R.T.: 7.655 min
Delta R.T.: -0.009 min
Response: 167938901
Conc: 53.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

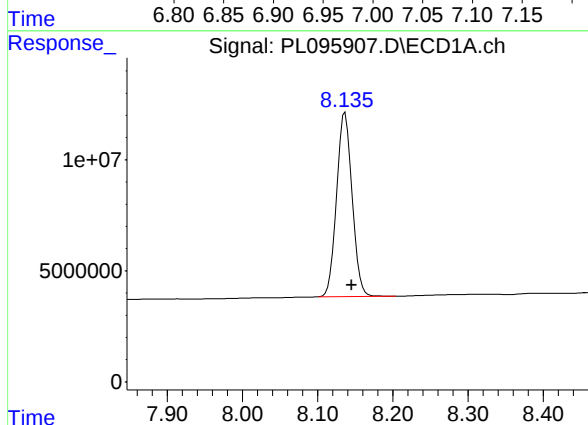
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



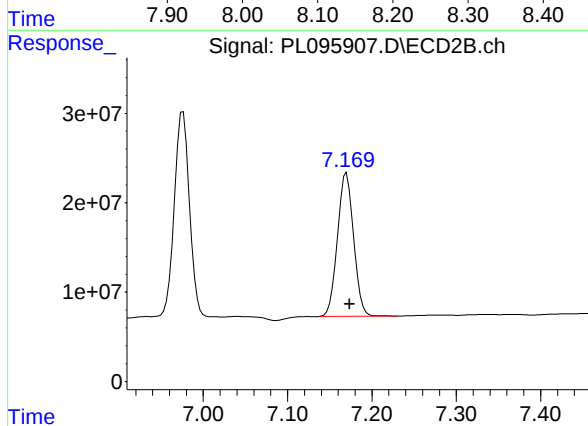
#21 Endrin ketone

R.T.: 6.976 min
Delta R.T.: -0.004 min
Response: 284813550
Conc: 55.05 ng/ml



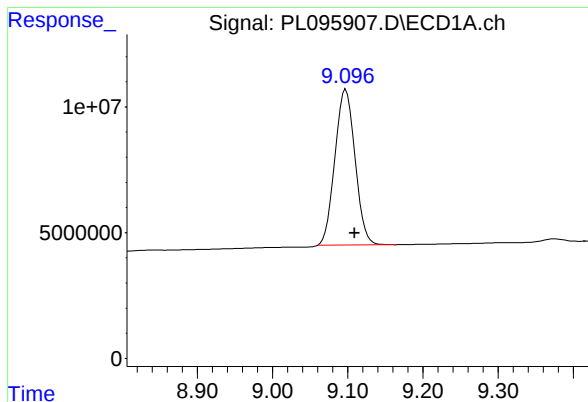
#22 Mirex

R.T.: 8.136 min
Delta R.T.: -0.009 min
Response: 119517422
Conc: 51.65 ng/ml



#22 Mirex

R.T.: 7.170 min
Delta R.T.: -0.004 min
Response: 213207778
Conc: 52.51 ng/ml



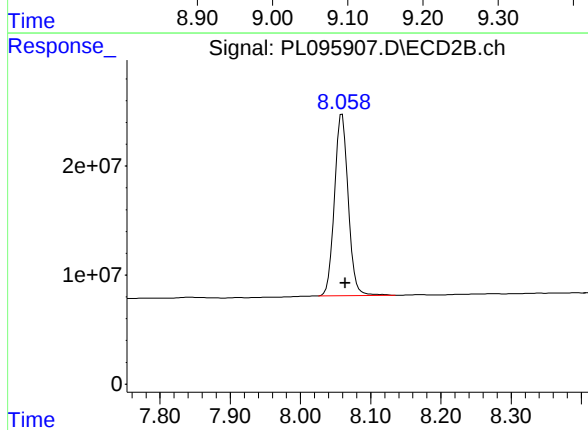
#28 Decachlorobiphenyl

R.T.: 9.097 min
Delta R.T.: -0.012 min
Response: 115500460
Conc: 49.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 225828316
Conc: 51.62 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 20:27 Initial Calibration Time(s): 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.10	9.10	9.00	9.20	0.00
Tetrachloro-m-xylene	3.57	3.57	3.47	3.67	0.00
gamma-BHC (Lindane)	4.36	4.36	4.26	4.46	0.00
Heptachlor	4.95	4.96	4.86	5.06	0.01
Heptachlor epoxide	5.72	5.72	5.62	5.82	0.00
Endrin	6.60	6.60	6.50	6.70	0.00
Methoxychlor	7.52	7.52	7.42	7.62	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 20:27 Initial Calibration Time(s): 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.89	2.89	2.79	2.99	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No.: CCAL03 Date Analyzed: 06/03/2025

Lab Sample No.: PSTDCCC050 Data File : PL095912.D Time Analyzed: 20:27

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.098	9.003	9.203	49.580	50.000	-0.8
Endrin	6.599	6.502	6.702	49.670	50.000	-0.7
gamma-BHC (Lindane)	4.355	4.257	4.457	55.690	50.000	11.4
Heptachlor	4.953	4.855	5.055	54.510	50.000	9.0
Heptachlor epoxide	5.715	5.618	5.818	53.980	50.000	8.0
Methoxychlor	7.519	7.423	7.623	49.420	50.000	-1.2
Tetrachloro-m-xylene	3.572	3.473	3.673	55.240	50.000	10.5



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

CALIBRATION VERIFICATION SUMMARY
Contract: PORT06
Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025
Client Sample No.: CCAL03 **Date Analyzed:** 06/03/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL095912.D **Time Analyzed:** 20:27

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.059	7.964	8.164	53.360	50.000	6.7
Endrin	5.778	5.683	5.883	51.550	50.000	3.1
gamma-BHC (Lindane)	3.728	3.630	3.830	58.370	50.000	16.7
Heptachlor	4.081	3.983	4.183	56.590	50.000	13.2
Heptachlor epoxide	4.867	4.771	4.971	57.880	50.000	15.8
Methoxychlor	6.746	6.651	6.851	48.250	50.000	-3.5
Tetrachloro-m-xylene	2.885	2.786	2.986	57.160	50.000	14.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
 Data File : PL095912.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 20:27
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 06/04/2025

Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 03:41:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.572	2.885	174.3E6	223.7E6	55.236	57.163
28)	SA Decachlor...	9.098	8.059	116.8E6	233.4E6	49.581	53.364
Target Compounds							
2)	A alpha-BHC	4.023	3.395	269.1E6	347.0E6	55.502	59.238
3)	MA gamma-BHC...	4.355	3.728	249.1E6	327.0E6	55.693	58.375
4)	MA Heptachlor	4.953	4.081	206.3E6	317.4E6	54.506	56.589
5)	MB Aldrin	5.295	4.364	235.9E6	308.5E6	55.148	58.129m
6)	B beta-BHC	4.542	4.024	108.3E6	142.9E6	54.930	57.661
7)	B delta-BHC	4.790	4.259	245.1E6	329.1E6	55.290	58.269
8)	B Heptachlo...	5.715	4.867	206.0E6	285.8E6	53.979	57.880
9)	A Endosulfan I	6.099	5.239	197.1E6	251.6E6	53.791	52.799
10)	B gamma-Chl...	5.968	5.119	209.0E6	304.4E6	53.696m	57.948
11)	B alpha-Chl...	6.051	5.184	212.1E6	301.1E6	53.721	57.871
12)	B 4,4'-DDE	6.221	5.370	187.8E6	288.8E6	51.207	53.853m
13)	MA Dieldrin	6.372	5.504	208.2E6	302.9E6	53.947	57.140
14)	MA Endrin	6.599	5.778	160.3E6	251.4E6	49.668	51.551m
15)	B Endosulfa...	6.812	6.070	167.8E6	272.0E6	48.701	57.241
16)	A 4,4'-DDD	6.731	5.922	159.8E6	260.3E6	54.520	59.362
17)	MA 4,4'-DDT	7.046	6.176	132.3E6	234.9E6	48.915	49.108
18)	B Endrin al...	6.941	6.247	127.6E6	191.9E6	52.775	55.557
19)	B Endosulfa...	7.175	6.471	156.3E6	247.8E6	52.320	55.141
20)	A Methoxychlor	7.519	6.746	63021993	126.2E6	49.416	48.247
21)	B Endrin ke...	7.656	6.976	170.7E6	290.8E6	53.904	56.199
22)	Mirex	8.137	7.170	122.0E6	221.4E6	52.721	54.532

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095912.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 20:27
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

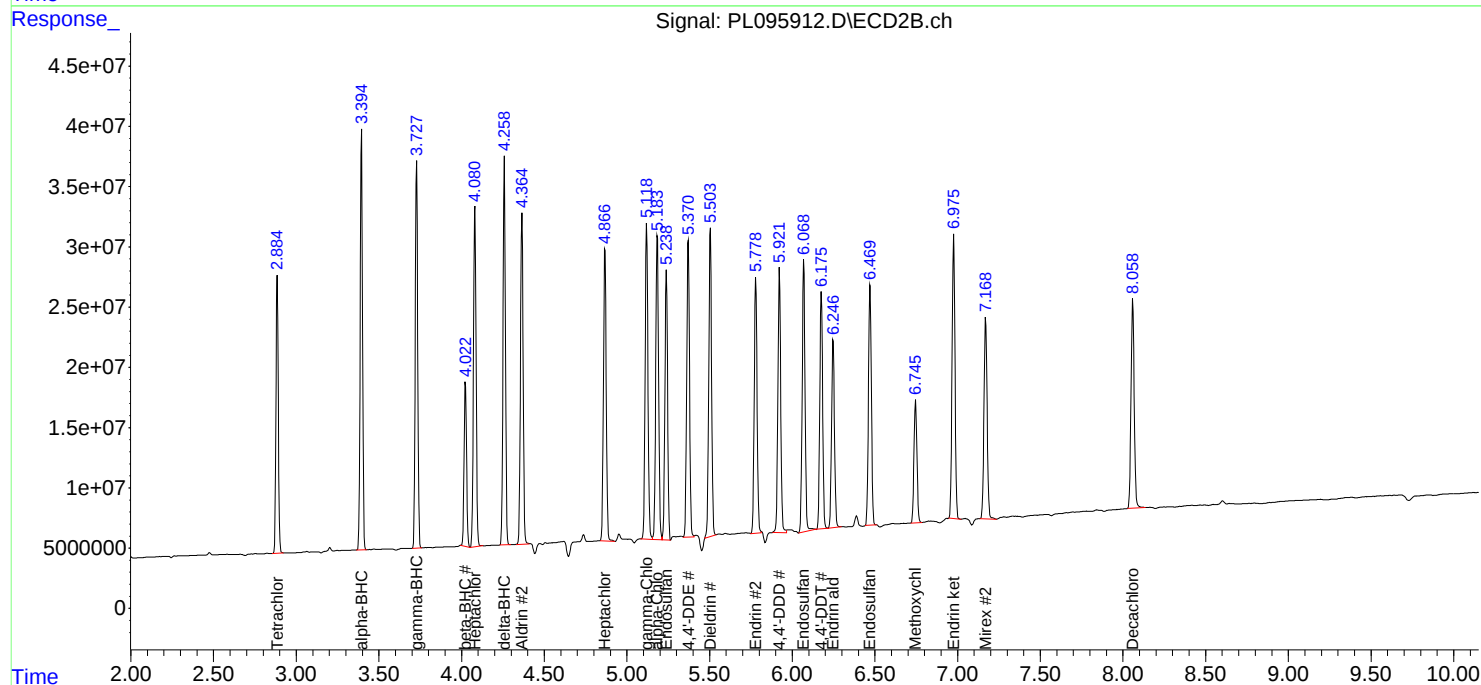
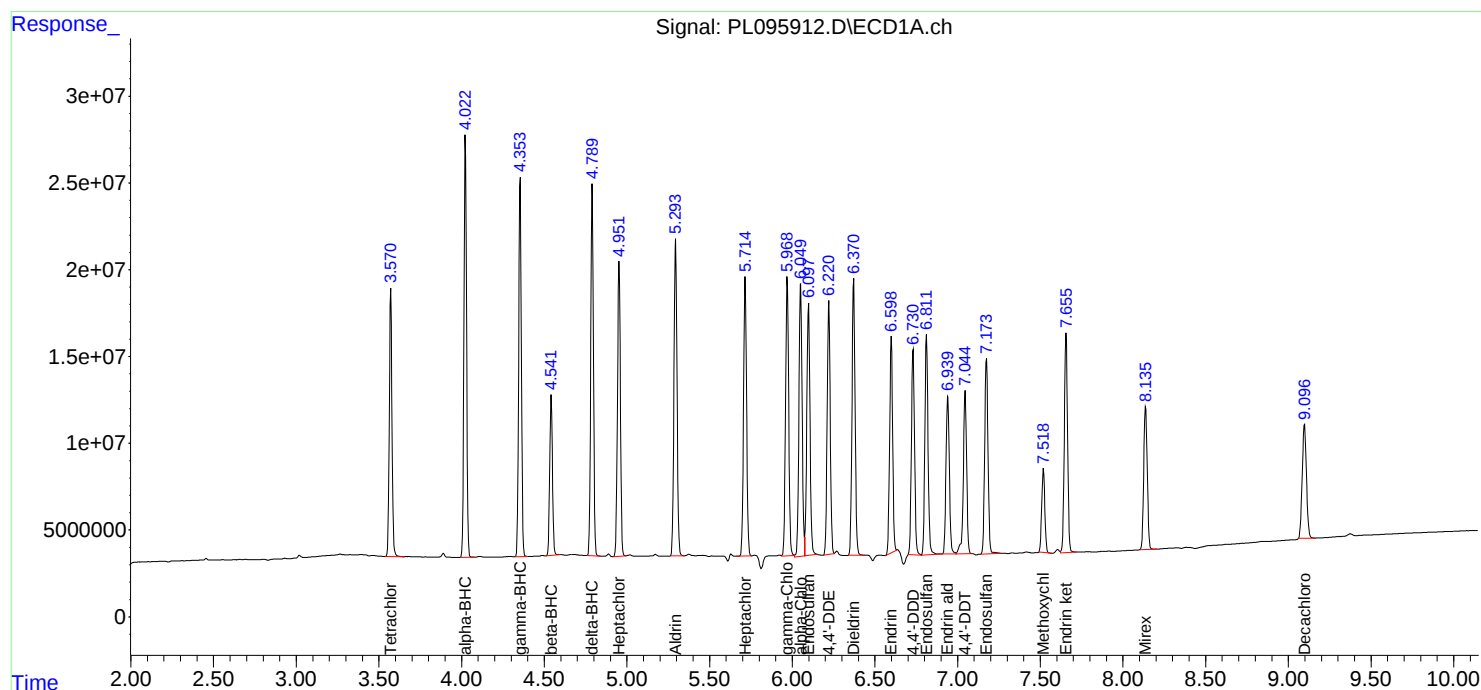
APPROVED

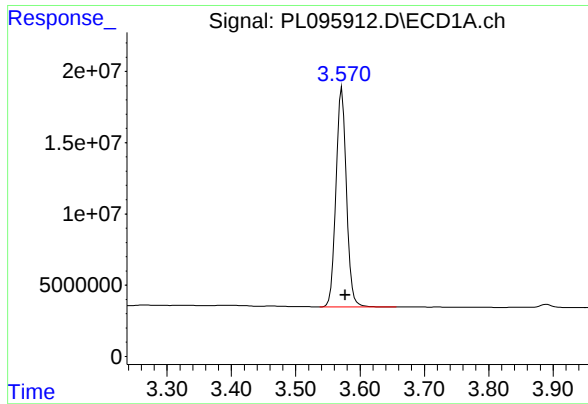
Reviewed By :Abdul Mirza 06/04/2025

Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:41:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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





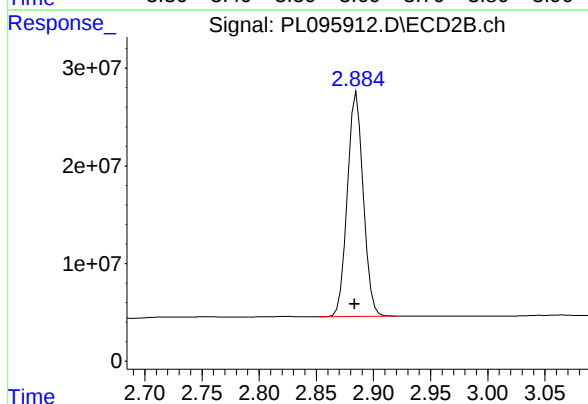
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 174285741
Conc: 55.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

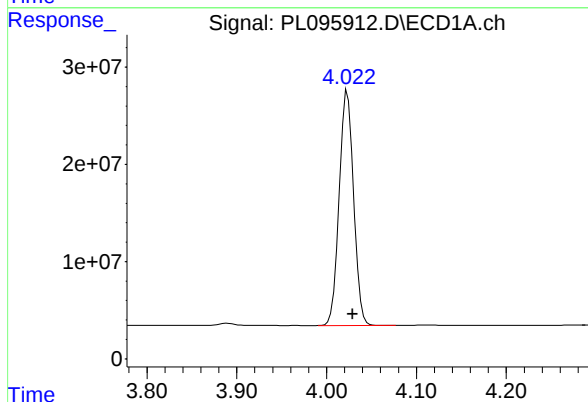
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



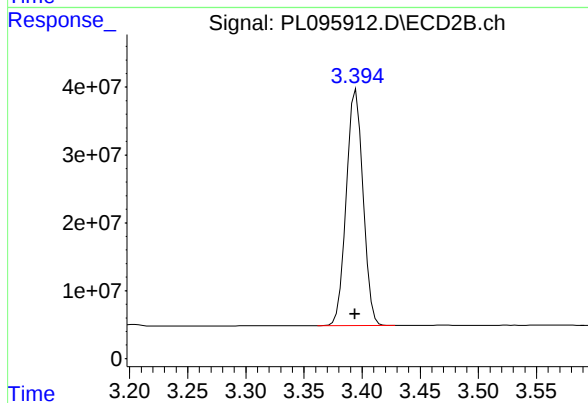
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 223733171
Conc: 57.16 ng/ml



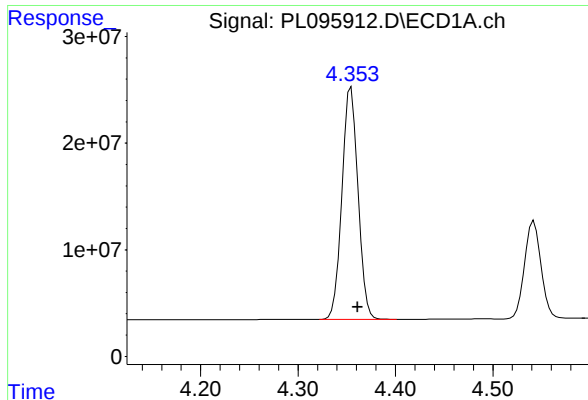
#2 alpha-BHC

R.T.: 4.023 min
Delta R.T.: -0.006 min
Response: 269069884
Conc: 55.50 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: 0.001 min
Response: 346979316
Conc: 59.24 ng/ml



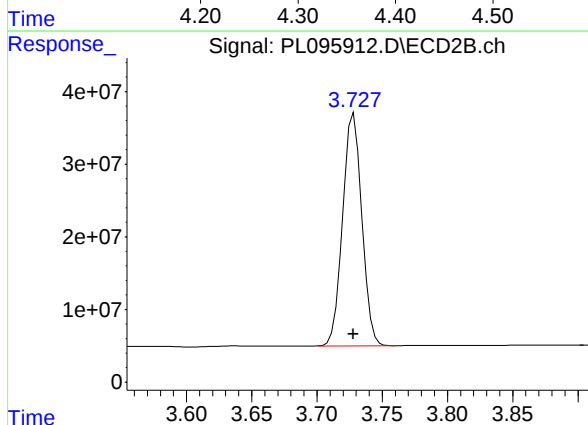
#3 gamma-BHC (Lindane)

R.T.: 4.355 min
Delta R.T.: -0.007 min
Response: 249050039
Conc: 55.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

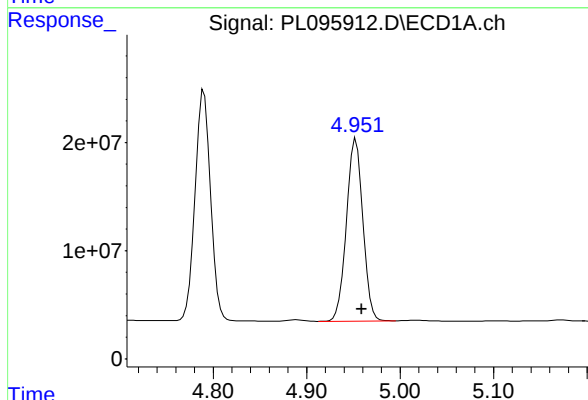
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



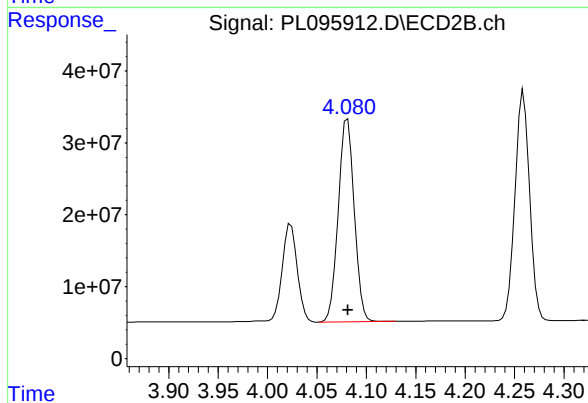
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: 0.000 min
Response: 326968992
Conc: 58.37 ng/ml



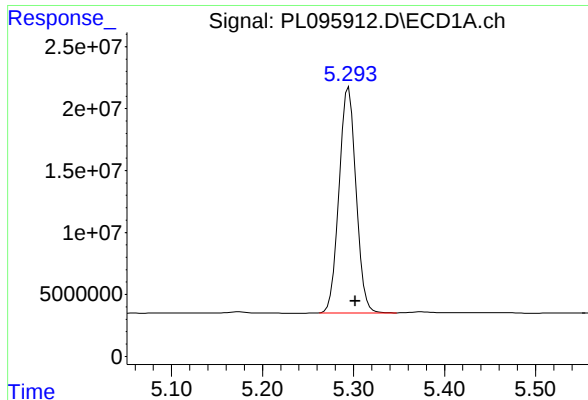
#4 Heptachlor

R.T.: 4.953 min
Delta R.T.: -0.006 min
Response: 206305974
Conc: 54.51 ng/ml



#4 Heptachlor

R.T.: 4.081 min
Delta R.T.: 0.000 min
Response: 317412368
Conc: 56.59 ng/ml



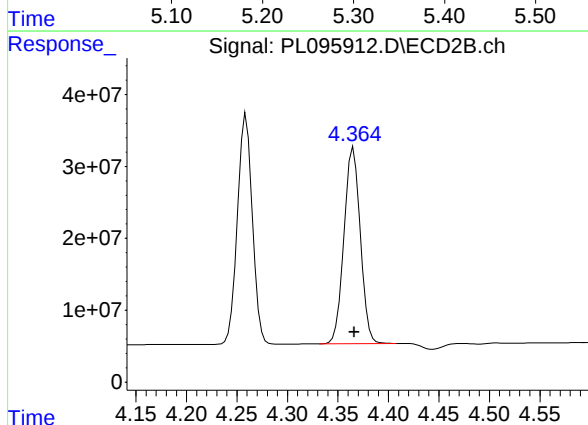
#5 Aldrin

R.T.: 5.295 min
Delta R.T.: -0.007 min
Response: 235910277
Conc: 55.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

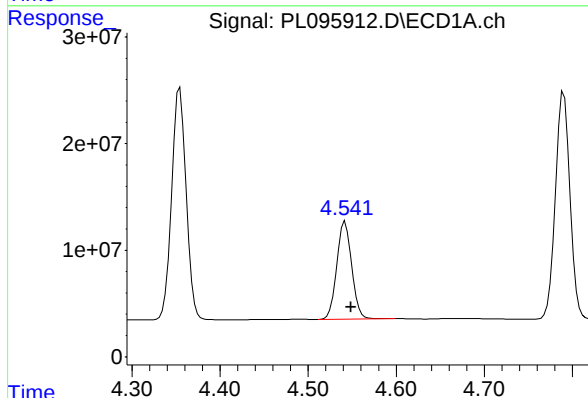
Manual Integrations
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Supervised By :mohammad ahmed 06/05/2025



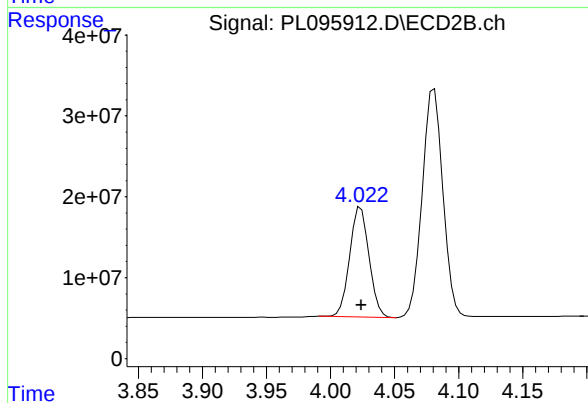
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: -0.002 min
Response: 308499076
Conc: 58.13 ng/ml



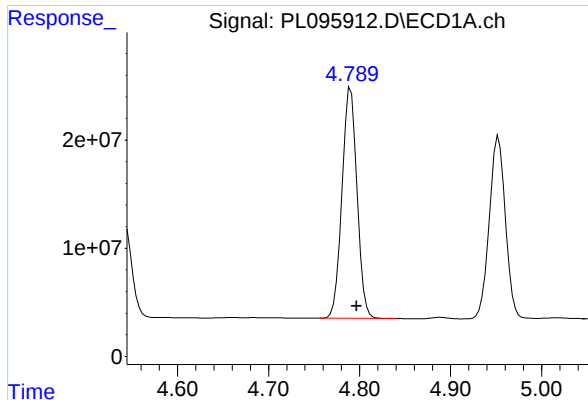
#6 beta-BHC

R.T.: 4.542 min
Delta R.T.: -0.007 min
Response: 108287983
Conc: 54.93 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 142857590
Conc: 57.66 ng/ml



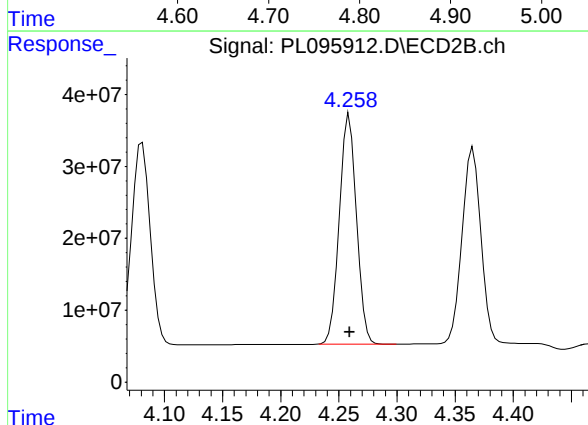
#7 delta-BHC

R.T.: 4.790 min
Delta R.T.: -0.006 min
Response: 245133380
Conc: 55.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

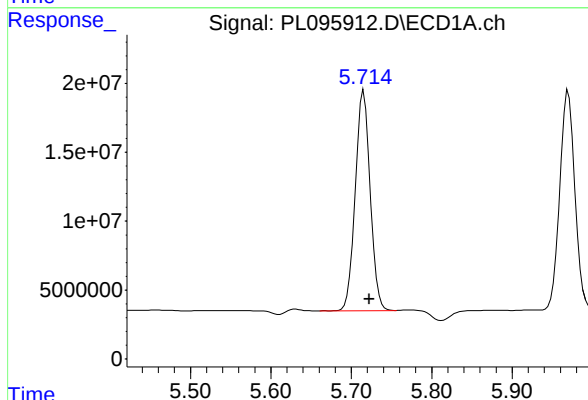
Manual Integrations
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Supervised By :mohammad ahmed 06/05/2025



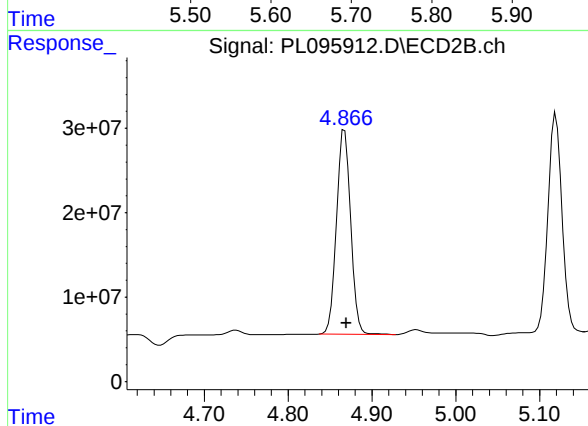
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 329064219
Conc: 58.27 ng/ml



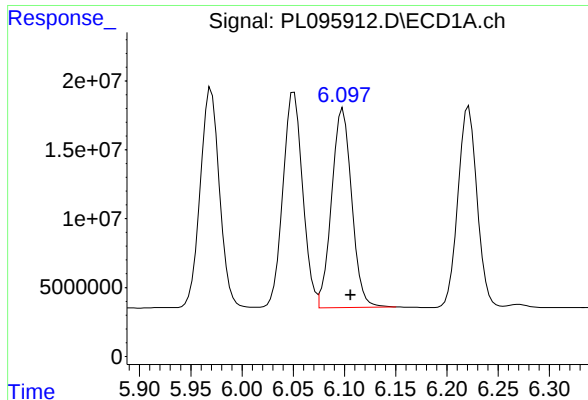
#8 Heptachlor epoxide

R.T.: 5.715 min
Delta R.T.: -0.007 min
Response: 206030926
Conc: 53.98 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: -0.002 min
Response: 285777720
Conc: 57.88 ng/ml



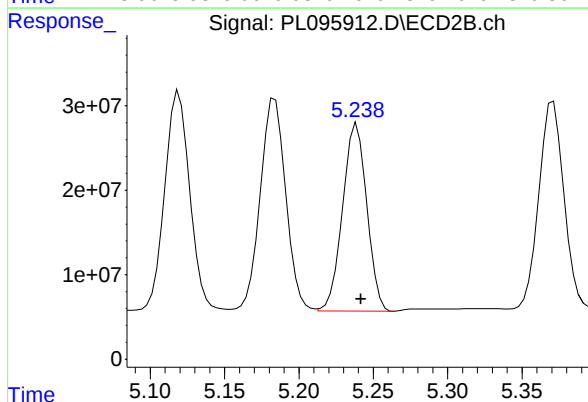
#9 Endosulfan I

R.T.: 6.099 min
Delta R.T.: -0.007 min
Response: 197134217
Conc: 53.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

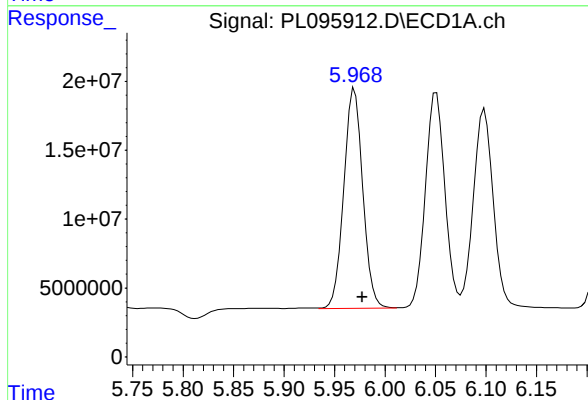
Manual Integrations
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Supervised By :mohammad ahmed 06/05/2025



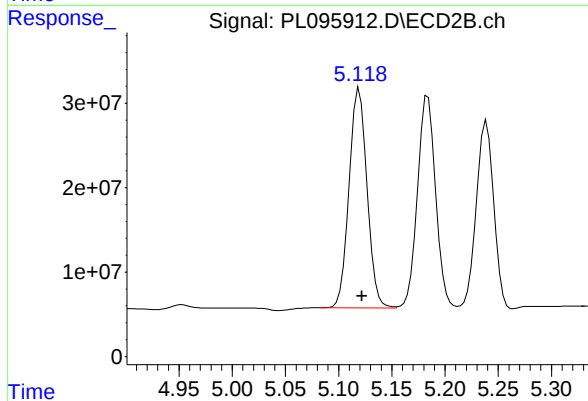
#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: -0.003 min
Response: 251586450
Conc: 52.80 ng/ml



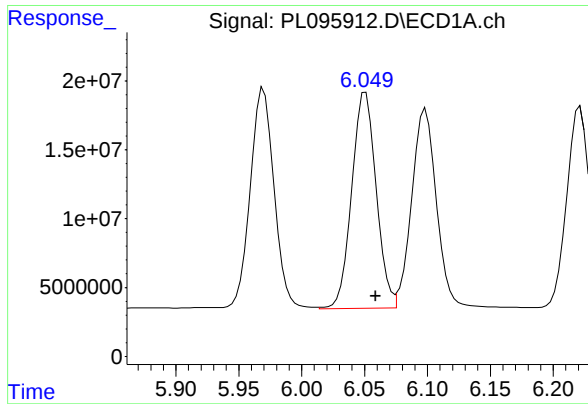
#10 gamma-Chlordane

R.T.: 5.968 min
Delta R.T.: -0.009 min
Response: 208989122
Conc: 53.70 ng/ml m



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: -0.003 min
Response: 304382483
Conc: 57.95 ng/ml



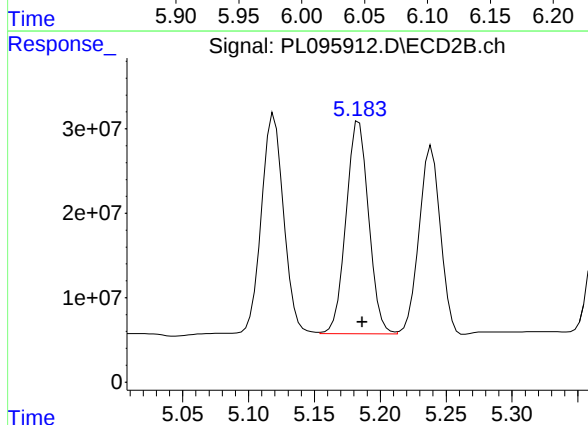
#11 alpha-Chlordane

R.T.: 6.051 min
Delta R.T.: -0.008 min
Response: 212101277
Conc: 53.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

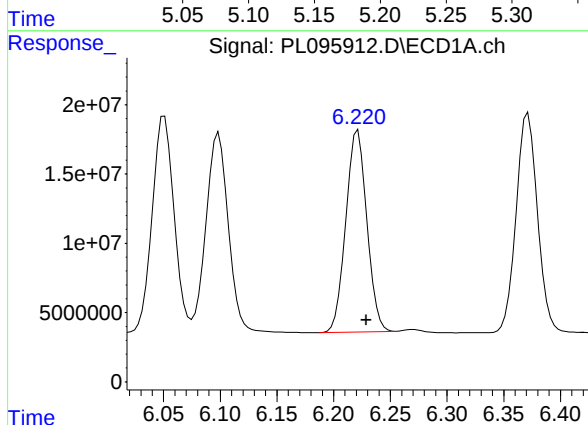
Manual Integrations
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Supervised By :mohammad ahmed 06/05/2025



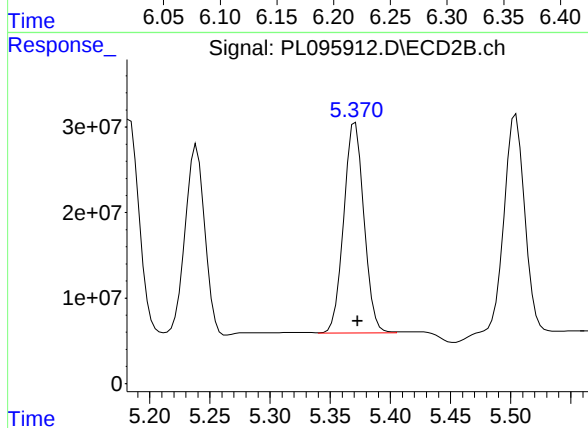
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 301088780
Conc: 57.87 ng/ml



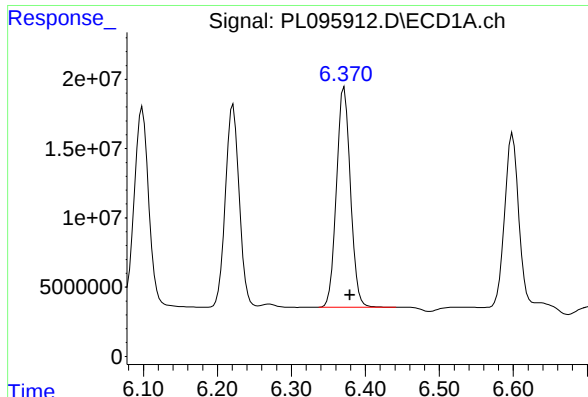
#12 4,4'-DDE

R.T.: 6.221 min
Delta R.T.: -0.008 min
Response: 187822911
Conc: 51.21 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: -0.003 min
Response: 288770357
Conc: 53.85 ng/ml m



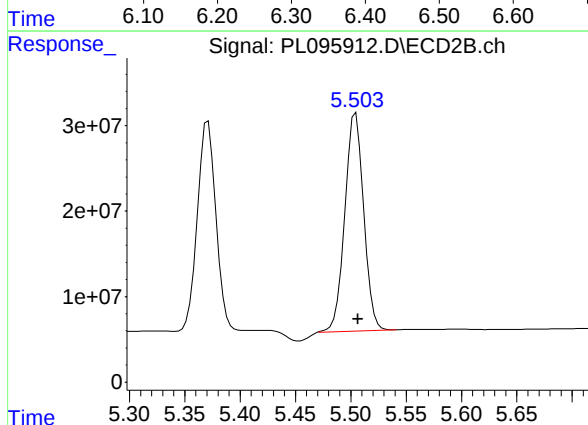
#13 Dieldrin

R.T.: 6.372 min
Delta R.T.: -0.008 min
Response: 208191654
Conc: 53.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

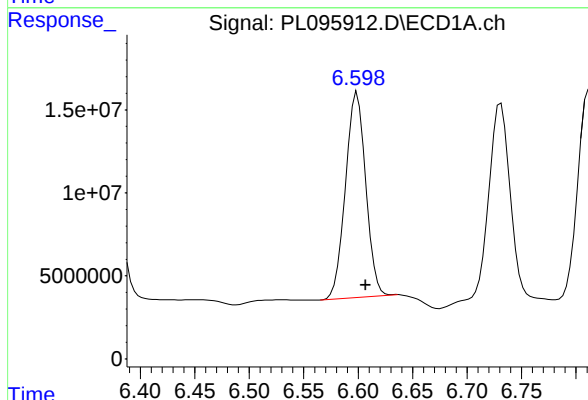
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 06/05/2025



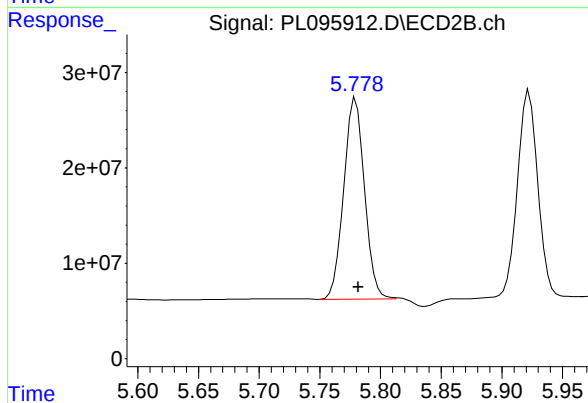
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.002 min
Response: 302851141
Conc: 57.14 ng/ml



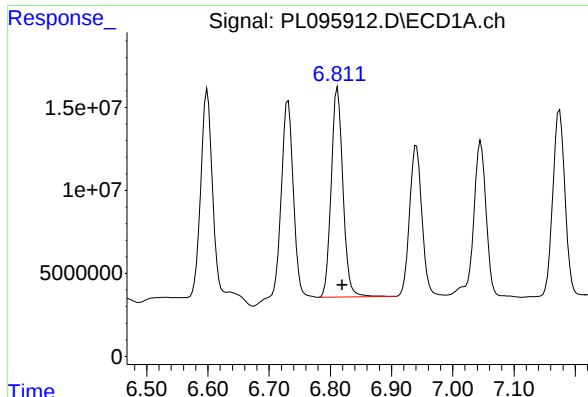
#14 Endrin

R.T.: 6.599 min
Delta R.T.: -0.008 min
Response: 160267969
Conc: 49.67 ng/ml



#14 Endrin

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 251369166
Conc: 51.55 ng/ml m



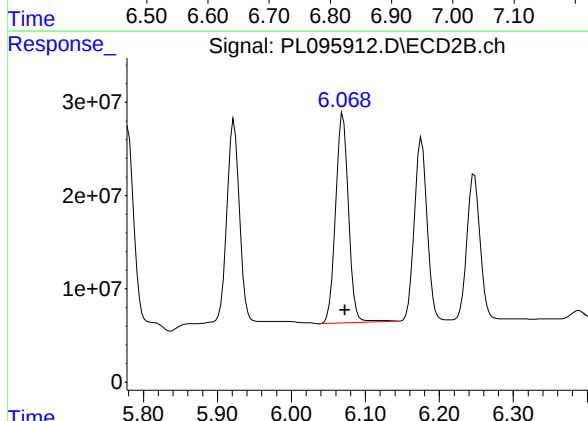
#15 Endosulfan II

R.T.: 6.812 min
Delta R.T.: -0.008 min
Response: 167827048
Conc: 48.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

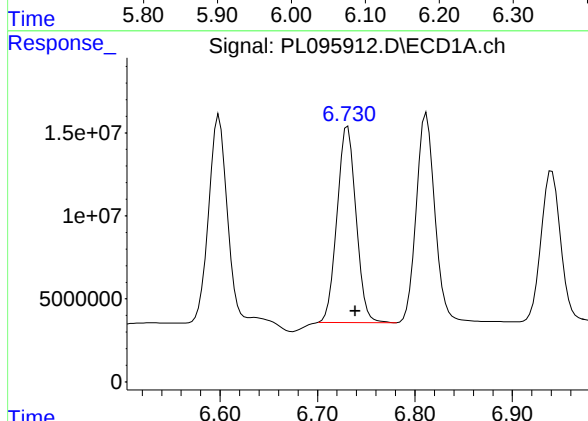
Manual Integrations
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Supervised By :mohammad ahmed 06/05/2025



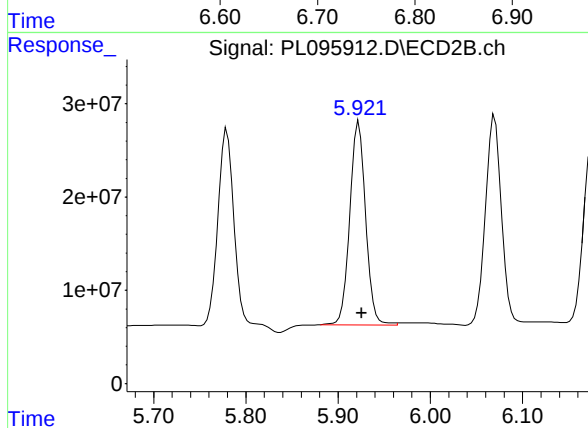
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.003 min
Response: 271997741
Conc: 57.24 ng/ml



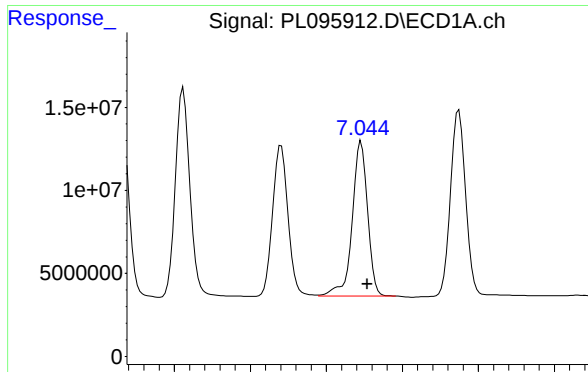
#16 4,4'-DDD

R.T.: 6.731 min
Delta R.T.: -0.008 min
Response: 159777503
Conc: 54.52 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: -0.003 min
Response: 260299724
Conc: 59.36 ng/ml



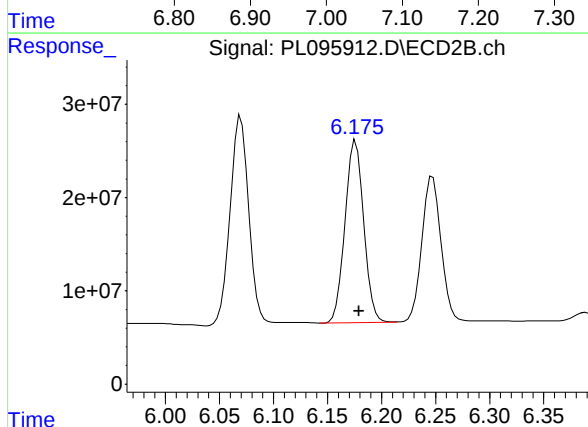
#17 4,4'-DDT

R.T.: 7.046 min
Delta R.T.: -0.008 min
Response: 132320825
Conc: 48.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

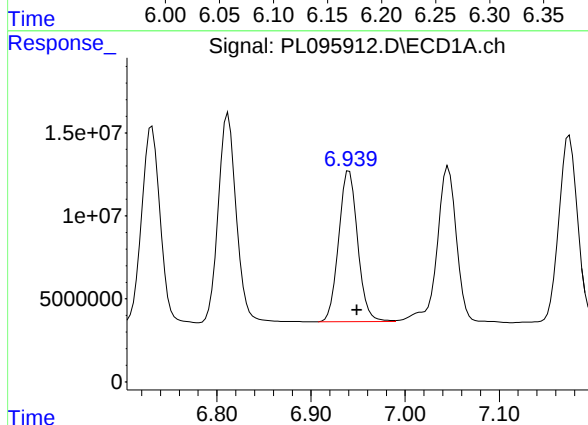
Manual Integrations
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Supervised By :mohammad ahmed 06/05/2025



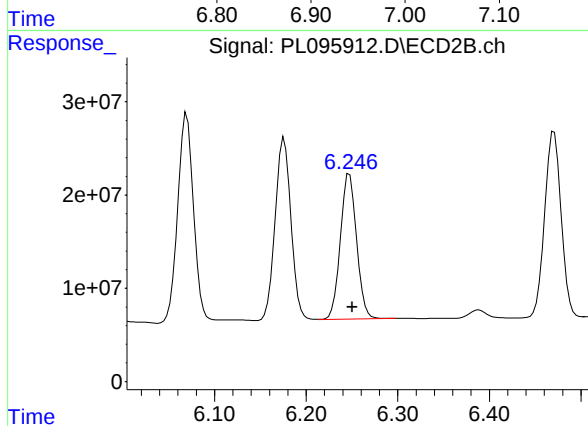
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.003 min
Response: 234864105
Conc: 49.11 ng/ml



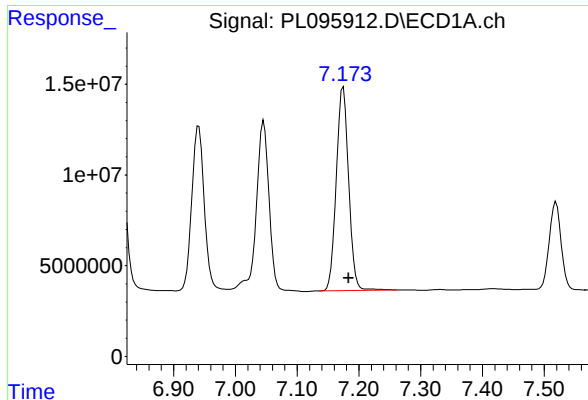
#18 Endrin aldehyde

R.T.: 6.941 min
Delta R.T.: -0.008 min
Response: 127589413
Conc: 52.77 ng/ml



#18 Endrin aldehyde

R.T.: 6.247 min
Delta R.T.: -0.003 min
Response: 191909671
Conc: 55.56 ng/ml



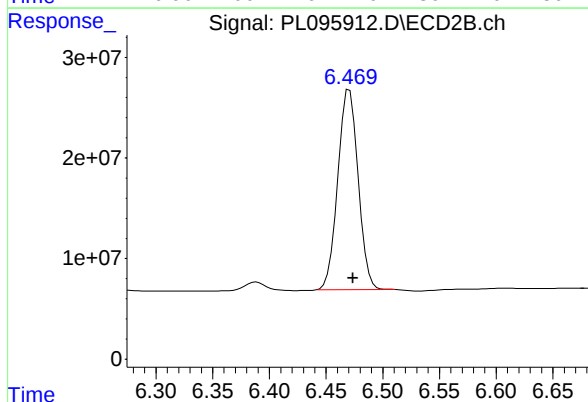
#19 Endosulfan Sulfate

R.T.: 7.175 min
Delta R.T.: -0.009 min
Response: 156274857
Conc: 52.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

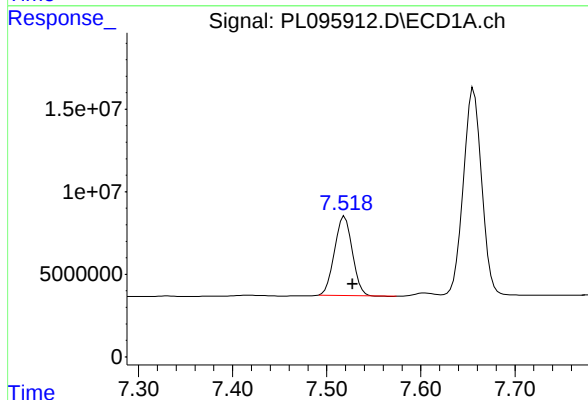
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Supervised By :mohammad ahmed 06/05/2025



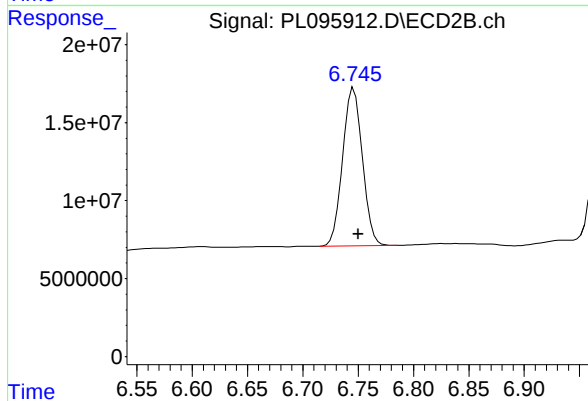
#19 Endosulfan Sulfate

R.T.: 6.471 min
Delta R.T.: -0.003 min
Response: 247844595
Conc: 55.14 ng/ml



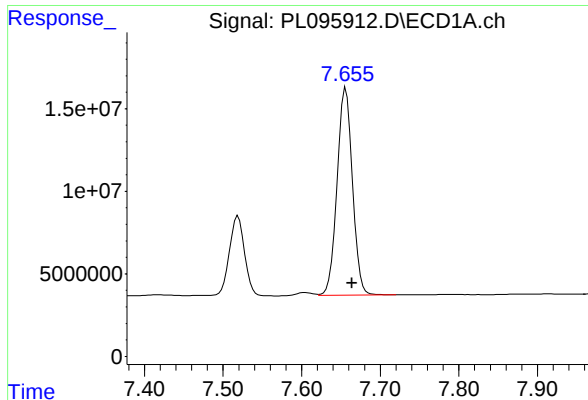
#20 Methoxychlor

R.T.: 7.519 min
Delta R.T.: -0.008 min
Response: 63021993
Conc: 49.42 ng/ml



#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: -0.004 min
Response: 126218188
Conc: 48.25 ng/ml



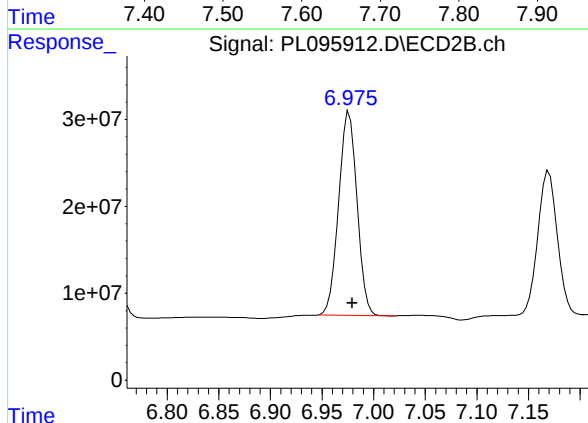
#21 Endrin ketone

R.T.: 7.656 min
Delta R.T.: -0.008 min
Response: 170709421
Conc: 53.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

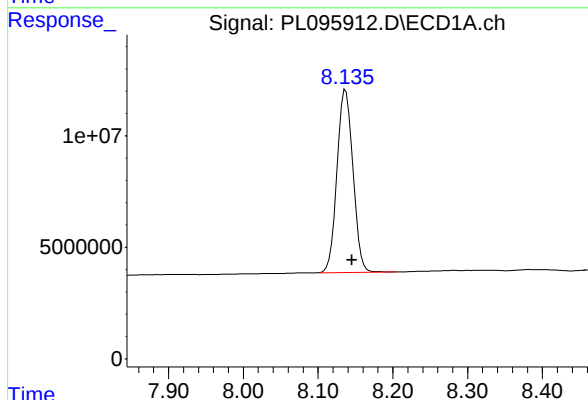
Manual Integrations
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Supervised By :mohammad ahmed 06/05/2025



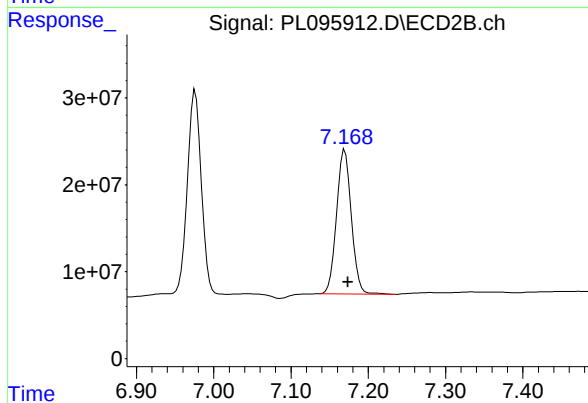
#21 Endrin ketone

R.T.: 6.976 min
Delta R.T.: -0.003 min
Response: 290763973
Conc: 56.20 ng/ml



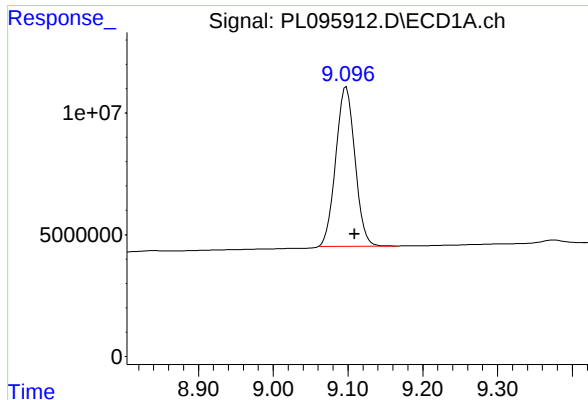
#22 Mirex

R.T.: 8.137 min
Delta R.T.: -0.009 min
Response: 121983862
Conc: 52.72 ng/ml



#22 Mirex

R.T.: 7.170 min
Delta R.T.: -0.004 min
Response: 221427169
Conc: 54.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.011 min
Response: 116830418
Conc: 49.58 ng/ml

Instrument :

ECD_L

ClientSampleId :

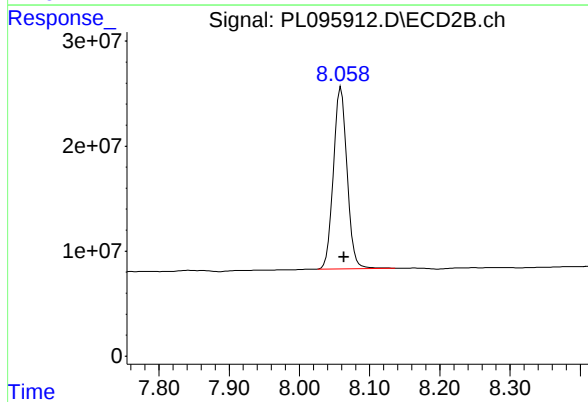
PSTDCCC050

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#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 233439325
Conc: 53.36 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/04/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 11:26 Initial Calibration Time(s): 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.10	9.10	9.00	9.20	0.00
Tetrachloro-m-xylene	3.57	3.57	3.47	3.67	0.00
gamma-BHC (Lindane)	4.36	4.36	4.26	4.46	0.00
Heptachlor	4.95	4.96	4.86	5.06	0.01
Heptachlor epoxide	5.72	5.72	5.62	5.82	0.00
Endrin	6.60	6.60	6.50	6.70	0.00
Methoxychlor	7.52	7.52	7.42	7.62	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/04/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 11:26 Initial Calibration Time(s): 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.89	2.89	2.79	2.99	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No.: CCAL04 Date Analyzed: 06/04/2025

Lab Sample No.: PSTDCCC050 Data File : PL095916.D Time Analyzed: 11:26

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.098	9.003	9.203	50.250	50.000	0.5
Endrin	6.600	6.502	6.702	48.710	50.000	-2.6
gamma-BHC (Lindane)	4.355	4.257	4.457	56.730	50.000	13.5
Heptachlor	4.953	4.855	5.055	55.030	50.000	10.1
Heptachlor epoxide	5.716	5.618	5.818	55.620	50.000	11.2
Methoxychlor	7.520	7.423	7.623	49.270	50.000	-1.5
Tetrachloro-m-xylene	3.572	3.473	3.673	56.700	50.000	13.4



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CALIBRATION VERIFICATION SUMMARY
Contract: PORT06
Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025
Client Sample No.: CCAL04 **Date Analyzed:** 06/04/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL095916.D **Time Analyzed:** 11:26

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.060	7.964	8.164	52.030	50.000	4.1
Endrin	5.780	5.683	5.883	48.760	50.000	-2.5
gamma-BHC (Lindane)	3.728	3.630	3.830	57.100	50.000	14.2
Heptachlor	4.081	3.983	4.183	55.210	50.000	10.4
Heptachlor epoxide	4.868	4.771	4.971	55.730	50.000	11.5
Methoxychlor	6.747	6.651	6.851	46.180	50.000	-7.6
Tetrachloro-m-xylene	2.886	2.786	2.986	56.010	50.000	12.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060425\
 Data File : PL095916.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 11:26
 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: Jun 05 01:41:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.572	2.886	178.9E6	219.2E6	56.700	56.011
28)	SA Decachlor...	9.098	8.060	118.4E6	227.6E6	50.254	52.033
Target Compounds							
2)	A alpha-BHC	4.024	3.395	277.1E6	341.2E6	57.154	58.254
3)	MA gamma-BHC...	4.355	3.728	253.7E6	319.9E6	56.731	57.104
4)	MA Heptachlor	4.953	4.081	208.3E6	309.7E6	55.025	55.210
5)	MB Aldrin	5.296	4.366	240.9E6	303.1E6	56.306	57.116
6)	B beta-BHC	4.543	4.024	108.8E6	138.8E6	55.178	56.013
7)	B delta-BHC	4.791	4.259	247.4E6	318.8E6	55.804	56.451
8)	B Heptachlo...	5.716	4.868	212.3E6	275.2E6	55.623	55.731
9)	A Endosulfan I	6.100	5.240	200.2E6	259.7E6	54.632	54.493
10)	B gamma-Chl...	5.971	5.120	218.8E6	293.8E6	56.212	55.929
11)	B alpha-Chl...	6.053	5.185	215.3E6	288.0E6	54.532	55.348
12)	B 4,4'-DDE	6.223	5.372	199.4E6	287.1E6	54.371	53.550
13)	MA Dieldrin	6.373	5.505	213.6E6	291.4E6	55.355	54.971
14)	MA Endrin	6.600	5.780	157.2E6	237.8E6	48.711	48.761
15)	B Endosulfa...	6.813	6.070	181.5E6	257.6E6	52.658	54.219
16)	A 4,4'-DDD	6.732	5.923	159.9E6	246.0E6	54.546	56.098
17)	MA 4,4'-DDT	7.047	6.177	135.1E6	231.2E6	49.941	48.341
18)	B Endrin al...	6.942	6.249	129.1E6	187.1E6	53.404	54.173
19)	B Endosulfa...	7.175	6.471	157.7E6	241.9E6	52.806	53.812
20)	A Methoxychlor	7.520	6.747	62832069	120.8E6	49.267	46.177
21)	B Endrin ke...	7.657	6.977	174.8E6	286.4E6	55.188	55.354
22)	Mirex	8.138	7.170	123.7E6	214.0E6	53.470	52.703

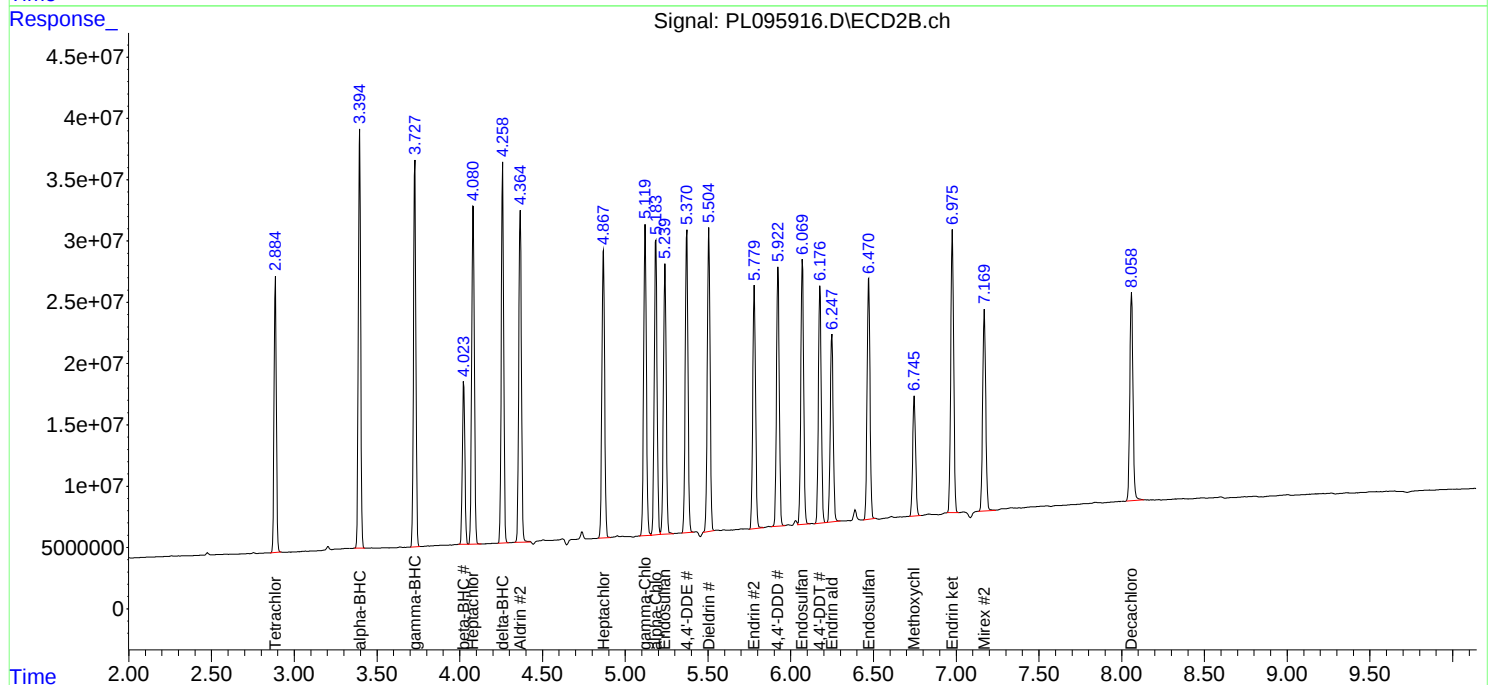
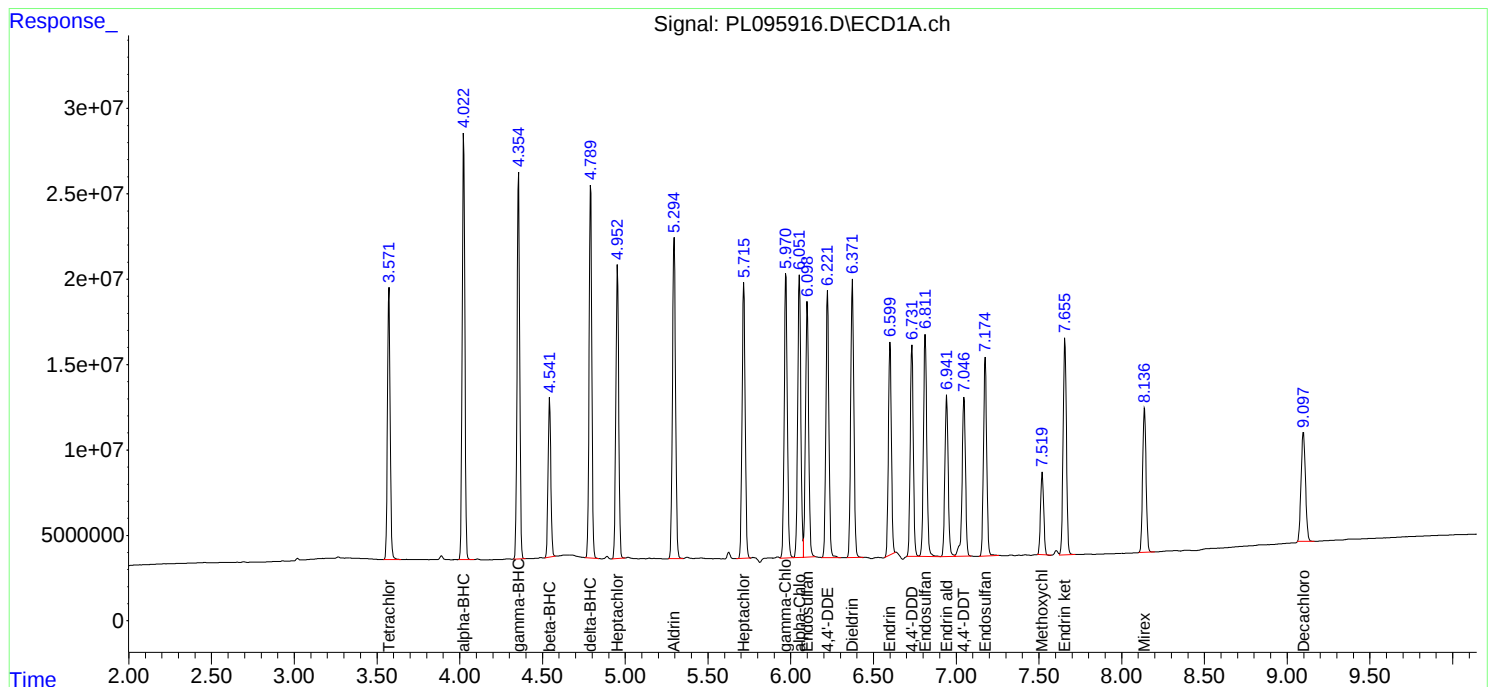
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

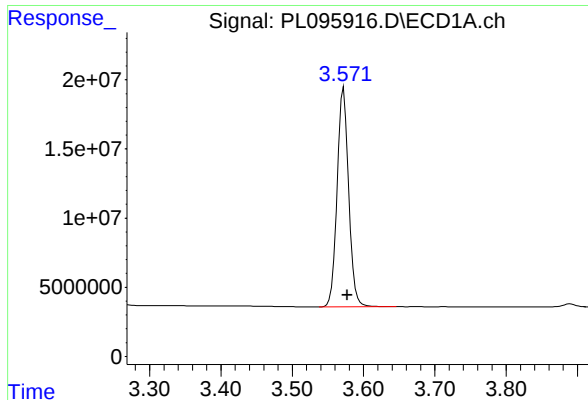
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060425\
Data File : PL095916.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 11:26
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:41:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

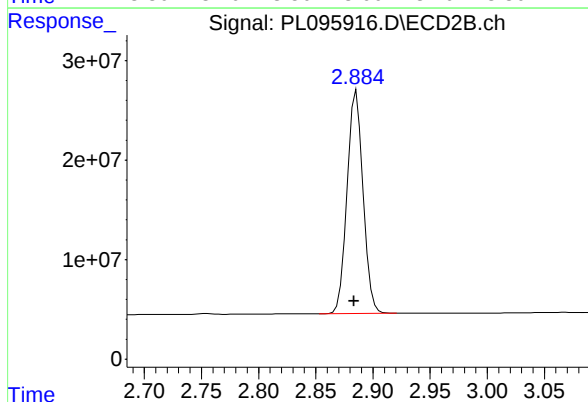




#1 Tetrachloro-m-xylene

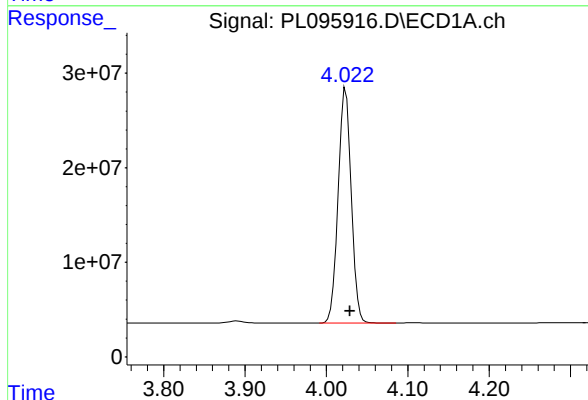
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 178903593
Conc: 56.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



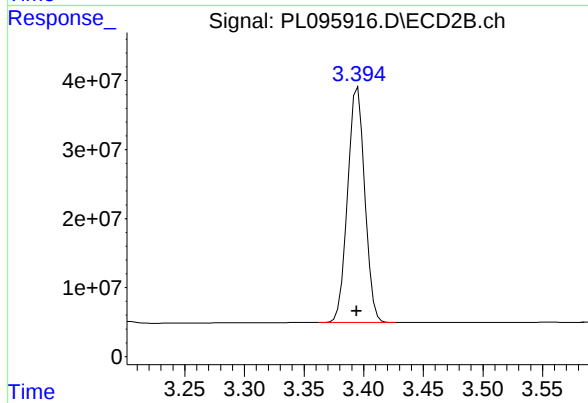
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 219224261
Conc: 56.01 ng/ml



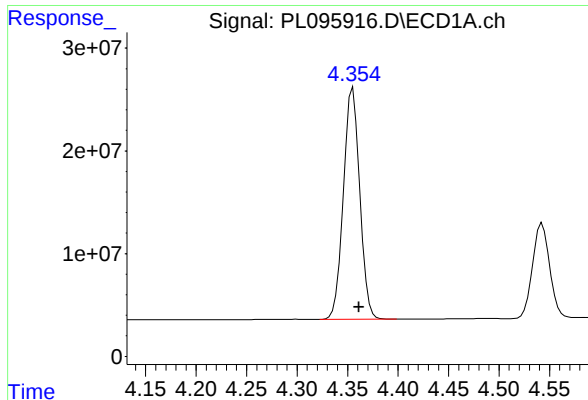
#2 alpha-BHC

R.T.: 4.024 min
Delta R.T.: -0.005 min
Response: 277076845
Conc: 57.15 ng/ml



#2 alpha-BHC

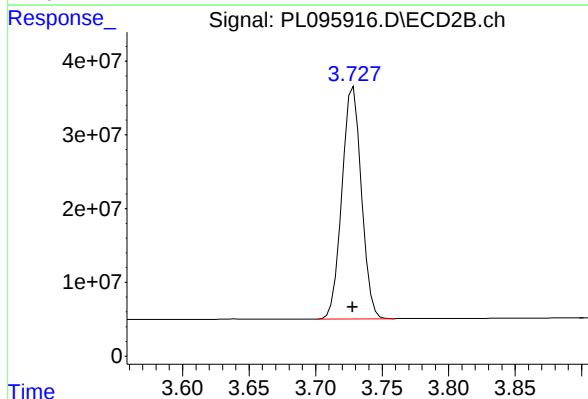
R.T.: 3.395 min
Delta R.T.: 0.001 min
Response: 341214241
Conc: 58.25 ng/ml



#3 gamma-BHC (Lindane)

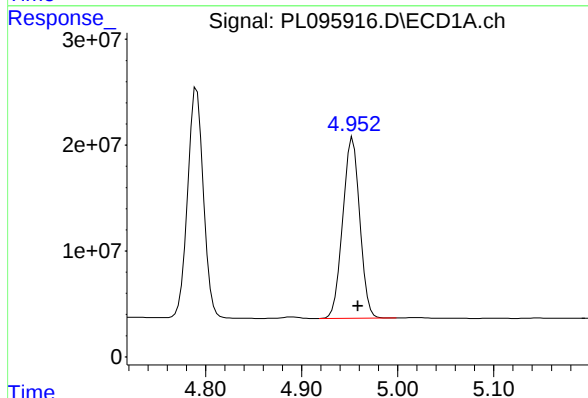
R.T.: 4.355 min
Delta R.T.: -0.006 min
Response: 253694251
Conc: 56.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



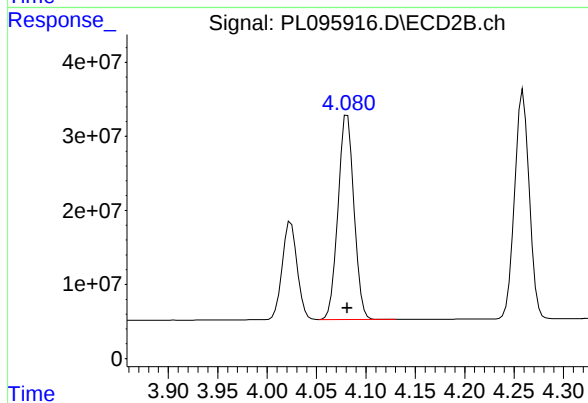
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: 0.000 min
Response: 319851763
Conc: 57.10 ng/ml



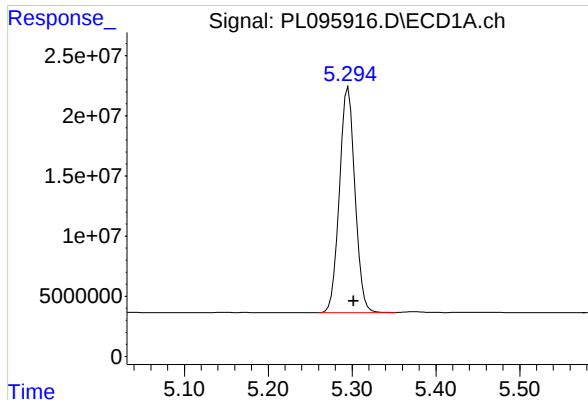
#4 Heptachlor

R.T.: 4.953 min
Delta R.T.: -0.006 min
Response: 208272241
Conc: 55.03 ng/ml



#4 Heptachlor

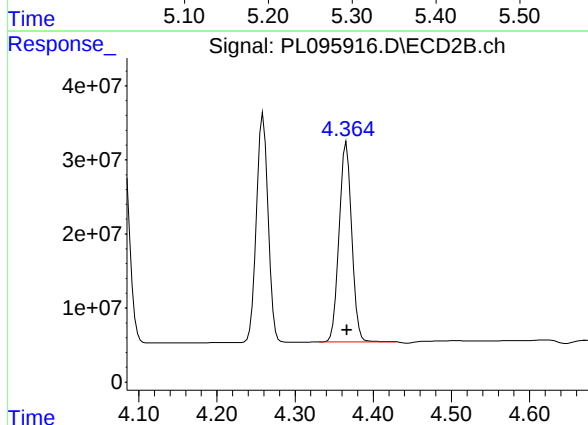
R.T.: 4.081 min
Delta R.T.: 0.000 min
Response: 309677626
Conc: 55.21 ng/ml



#5 Aldrin

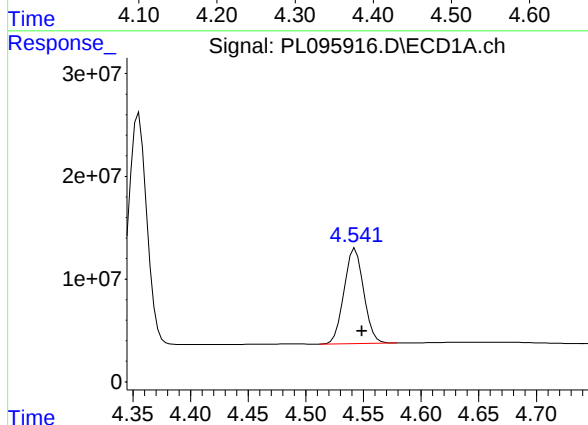
R.T.: 5.296 min
Delta R.T.: -0.006 min
Response: 240863259
Conc: 56.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



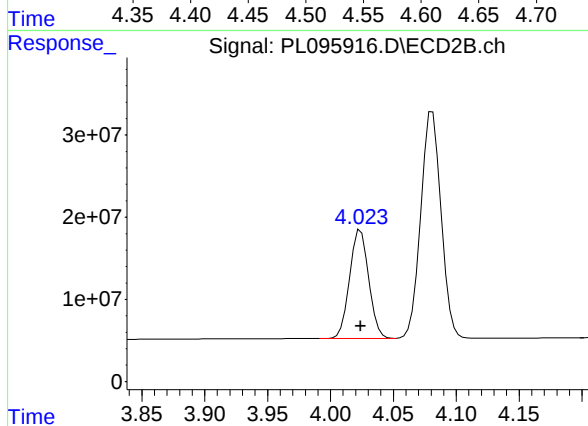
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: 0.000 min
Response: 303119324
Conc: 57.12 ng/ml



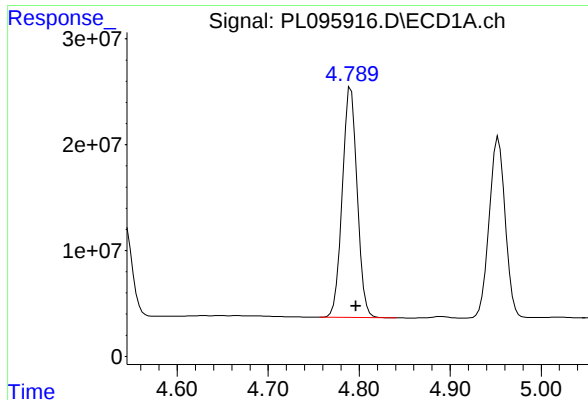
#6 beta-BHC

R.T.: 4.543 min
Delta R.T.: -0.006 min
Response: 108776621
Conc: 55.18 ng/ml



#6 beta-BHC

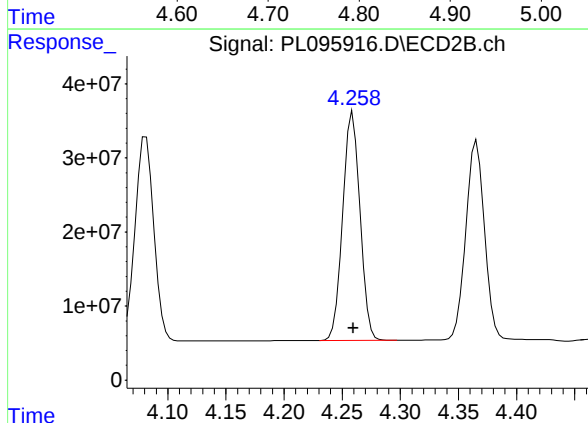
R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 138775381
Conc: 56.01 ng/ml



#7 delta-BHC

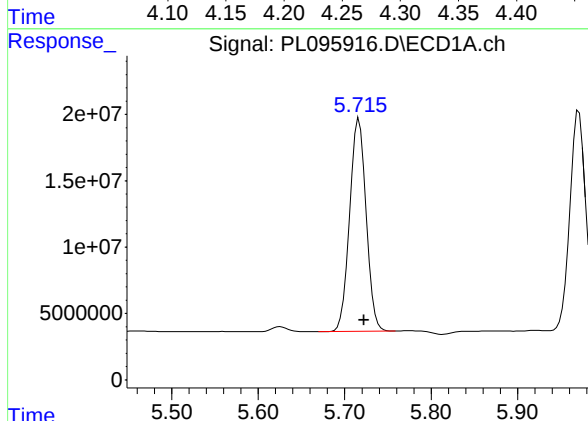
R.T.: 4.791 min
Delta R.T.: -0.006 min
Response: 247411276
Conc: 55.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



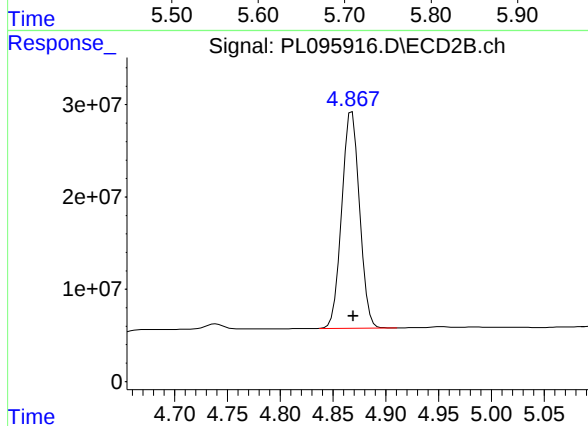
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 318801835
Conc: 56.45 ng/ml



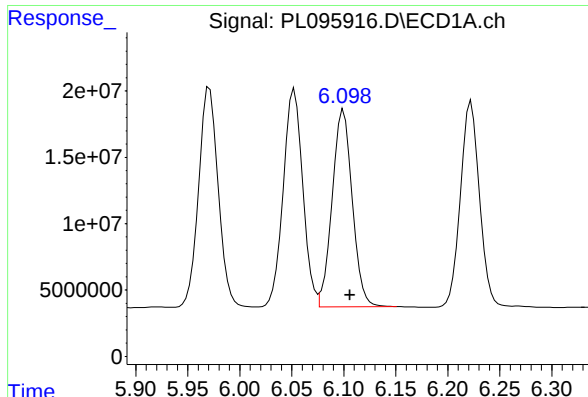
#8 Heptachlor epoxide

R.T.: 5.716 min
Delta R.T.: -0.006 min
Response: 212306839
Conc: 55.62 ng/ml



#8 Heptachlor epoxide

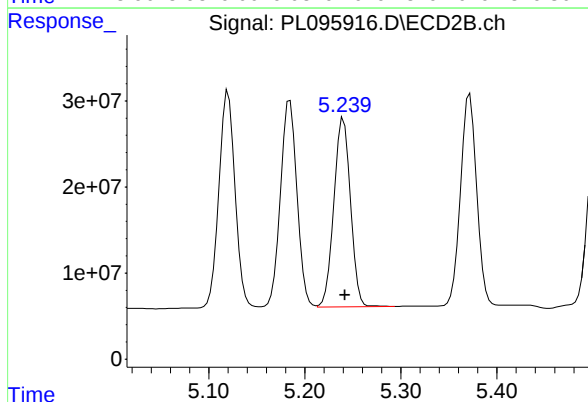
R.T.: 4.868 min
Delta R.T.: -0.001 min
Response: 275169842
Conc: 55.73 ng/ml



#9 Endosulfan I

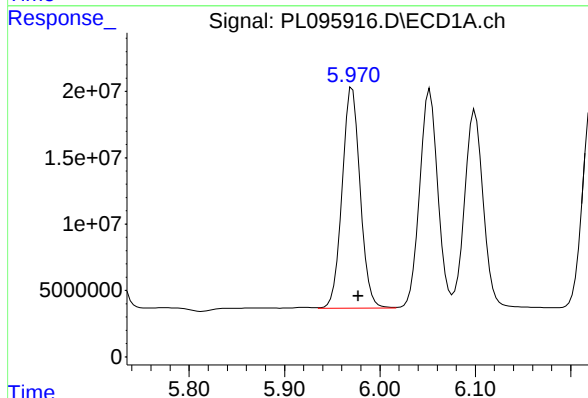
R.T.: 6.100 min
Delta R.T.: -0.006 min
Response: 200215378
Conc: 54.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



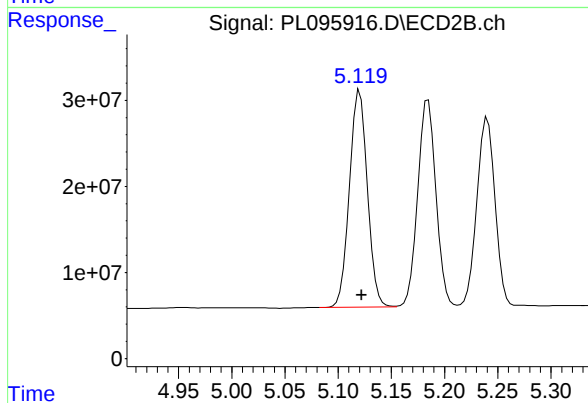
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: -0.001 min
Response: 259657414
Conc: 54.49 ng/ml



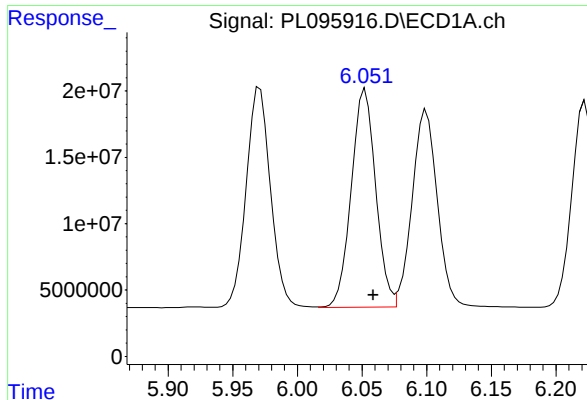
#10 gamma-Chlordane

R.T.: 5.971 min
Delta R.T.: -0.007 min
Response: 218780424
Conc: 56.21 ng/ml



#10 gamma-Chlordane

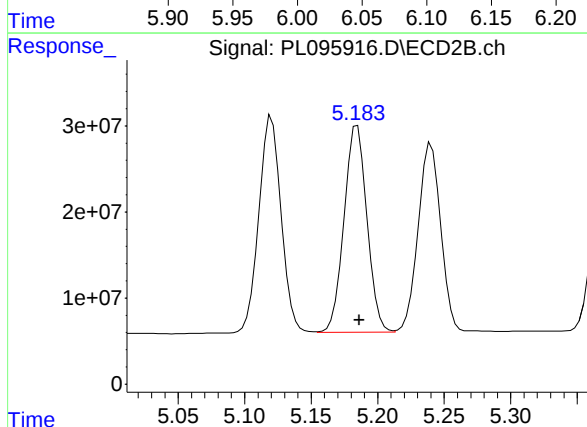
R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 293778184
Conc: 55.93 ng/ml



#11 alpha-Chlordane

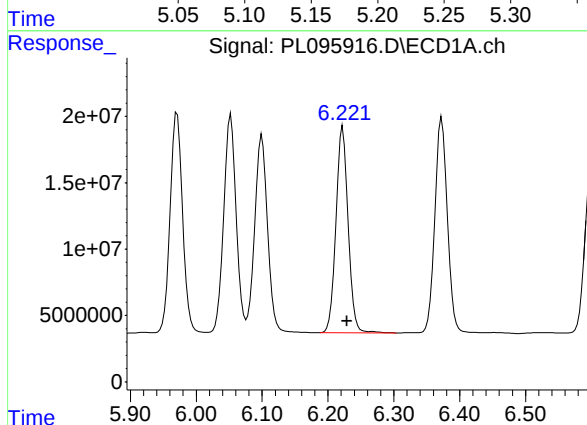
R.T.: 6.053 min
Delta R.T.: -0.006 min
Response: 215302699
Conc: 54.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



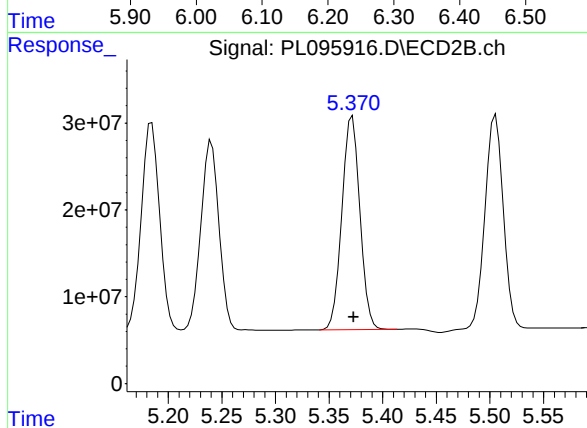
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: -0.002 min
Response: 287965041
Conc: 55.35 ng/ml



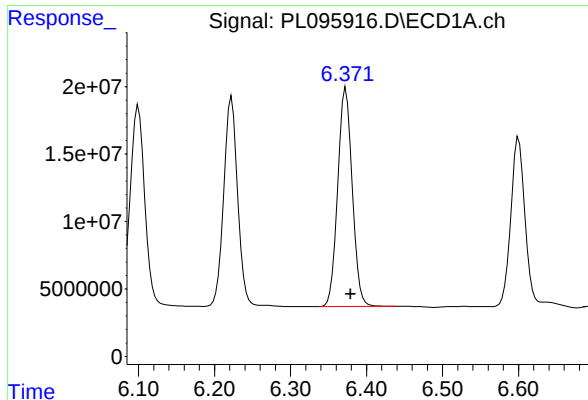
#12 4,4'-DDE

R.T.: 6.223 min
Delta R.T.: -0.006 min
Response: 199426781
Conc: 54.37 ng/ml



#12 4,4'-DDE

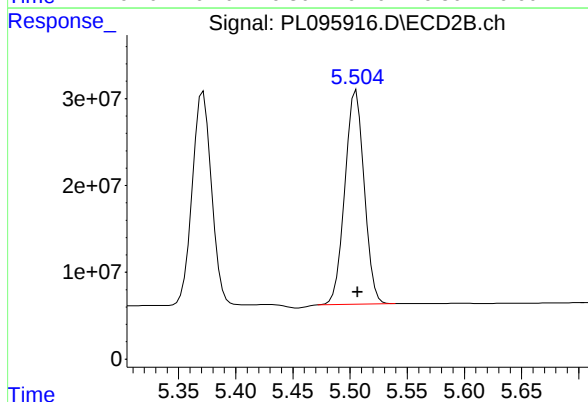
R.T.: 5.372 min
Delta R.T.: -0.001 min
Response: 287143268
Conc: 53.55 ng/ml



#13 Dieldrin

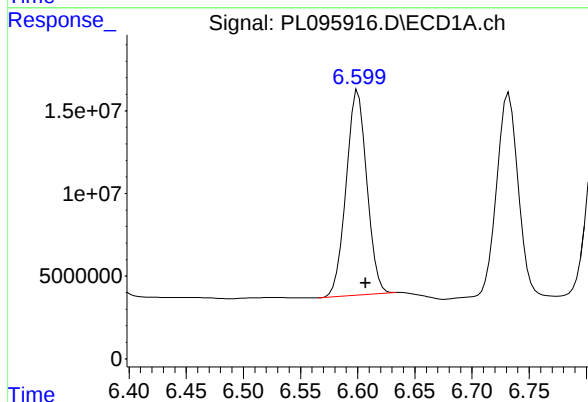
R.T.: 6.373 min
Delta R.T.: -0.007 min
Response: 213626643
Conc: 55.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



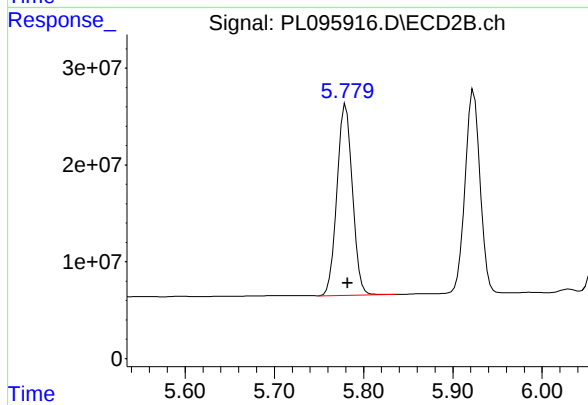
#13 Dieldrin

R.T.: 5.505 min
Delta R.T.: -0.001 min
Response: 291353645
Conc: 54.97 ng/ml



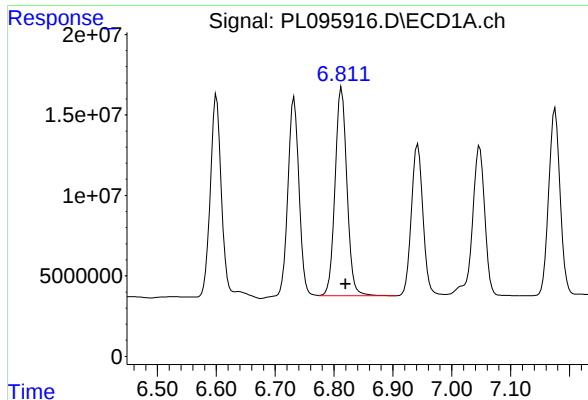
#14 Endrin

R.T.: 6.600 min
Delta R.T.: -0.007 min
Response: 157177459
Conc: 48.71 ng/ml



#14 Endrin

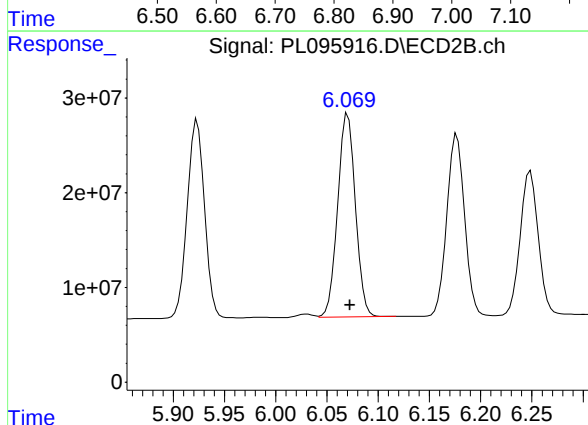
R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 237762700
Conc: 48.76 ng/ml



#15 Endosulfan II

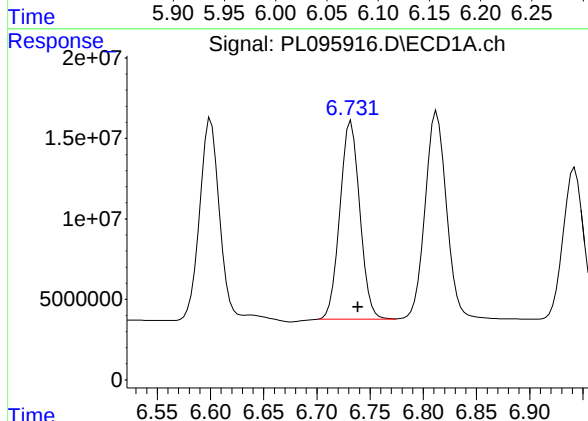
R.T.: 6.813 min
Delta R.T.: -0.007 min
Response: 181461028
Conc: 52.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



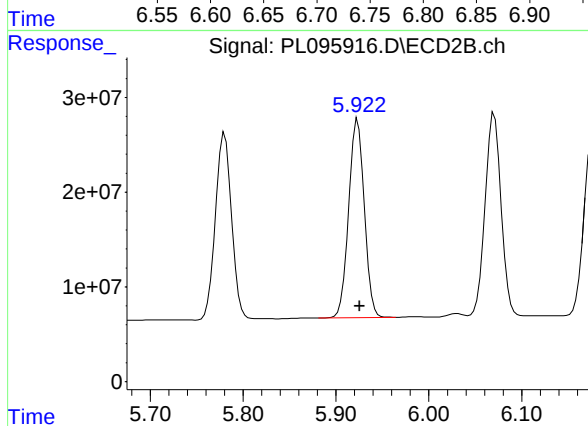
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 257637266
Conc: 54.22 ng/ml



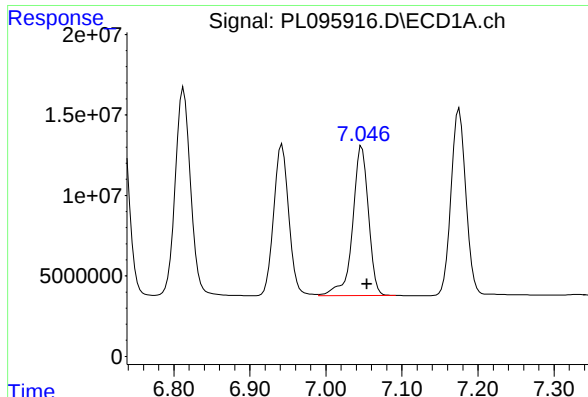
#16 4,4'-DDD

R.T.: 6.732 min
Delta R.T.: -0.007 min
Response: 159854077
Conc: 54.55 ng/ml



#16 4,4'-DDD

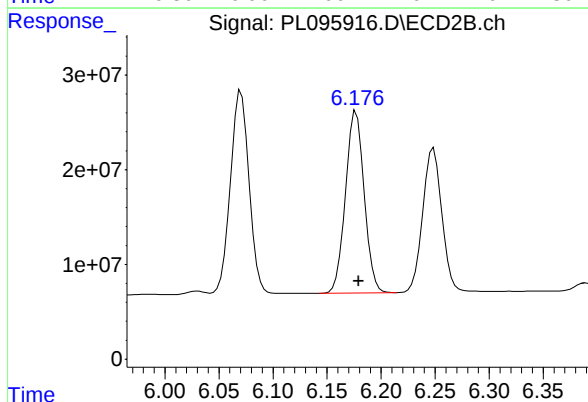
R.T.: 5.923 min
Delta R.T.: -0.002 min
Response: 245983779
Conc: 56.10 ng/ml



#17 4,4'-DDT

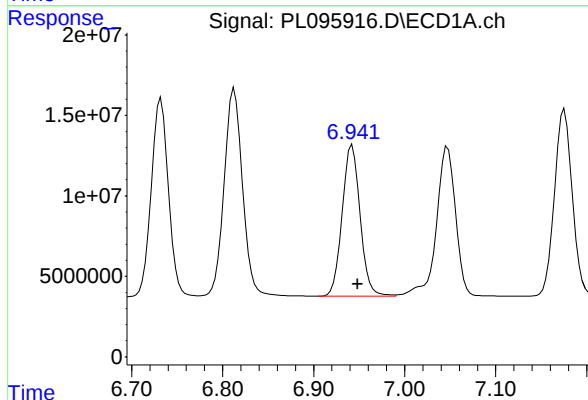
R.T.: 7.047 min
Delta R.T.: -0.007 min
Response: 135096171
Conc: 49.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



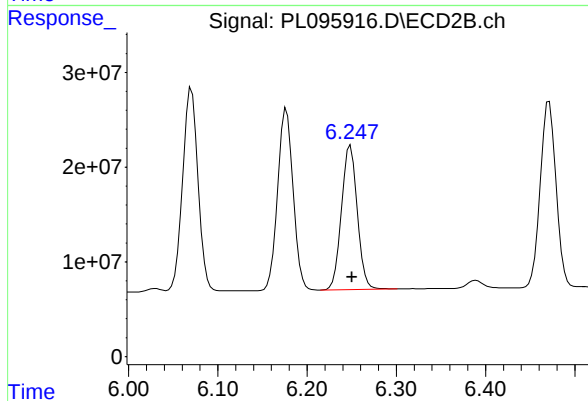
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: -0.002 min
Response: 231193075
Conc: 48.34 ng/ml



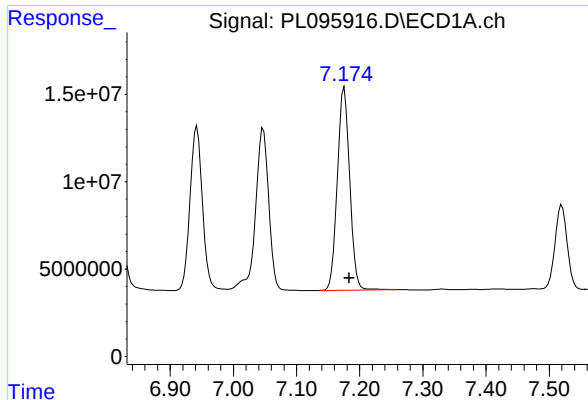
#18 Endrin aldehyde

R.T.: 6.942 min
Delta R.T.: -0.006 min
Response: 129111235
Conc: 53.40 ng/ml



#18 Endrin aldehyde

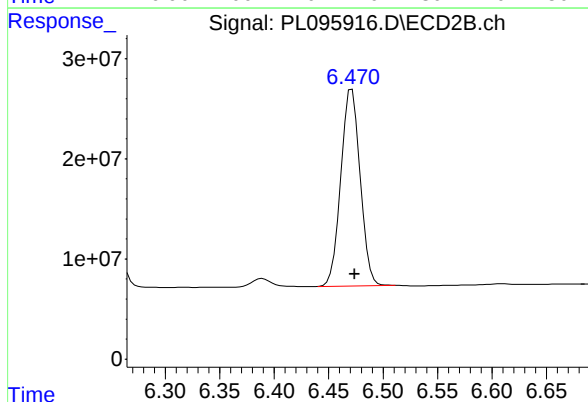
R.T.: 6.249 min
Delta R.T.: -0.002 min
Response: 187129429
Conc: 54.17 ng/ml



#19 Endosulfan Sulfate

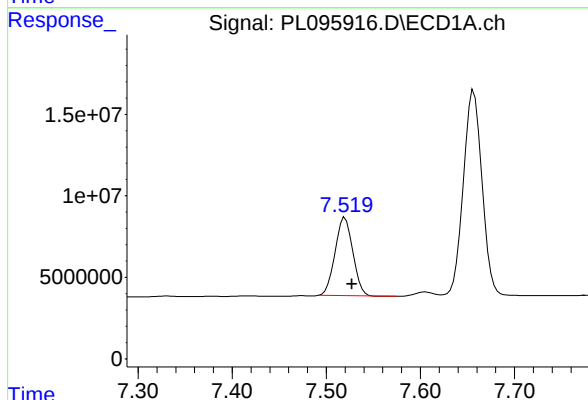
R.T.: 7.175 min
Delta R.T.: -0.008 min
Response: 157726424
Conc: 52.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



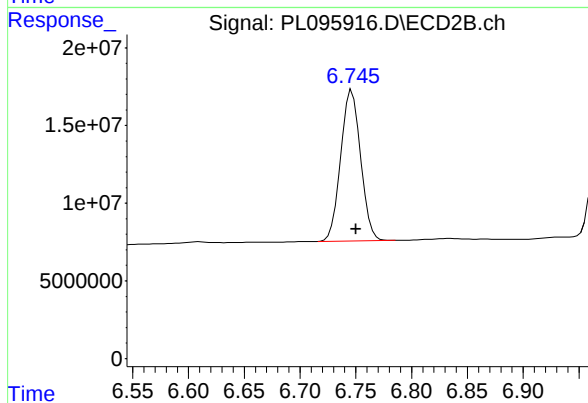
#19 Endosulfan Sulfate

R.T.: 6.471 min
Delta R.T.: -0.003 min
Response: 241872201
Conc: 53.81 ng/ml



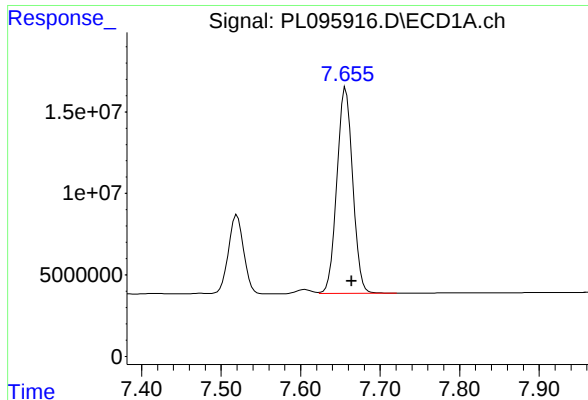
#20 Methoxychlor

R.T.: 7.520 min
Delta R.T.: -0.008 min
Response: 62832069
Conc: 49.27 ng/ml



#20 Methoxychlor

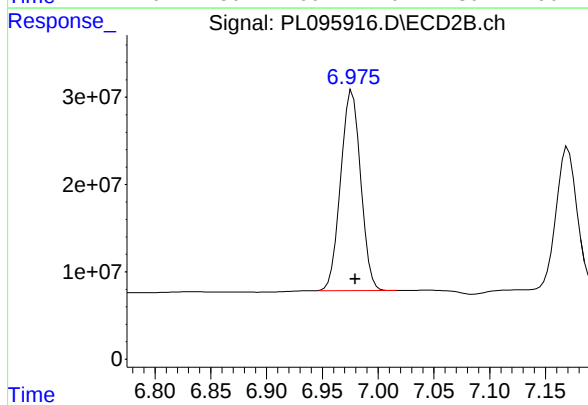
R.T.: 6.747 min
Delta R.T.: -0.004 min
Response: 120804515
Conc: 46.18 ng/ml



#21 Endrin ketone

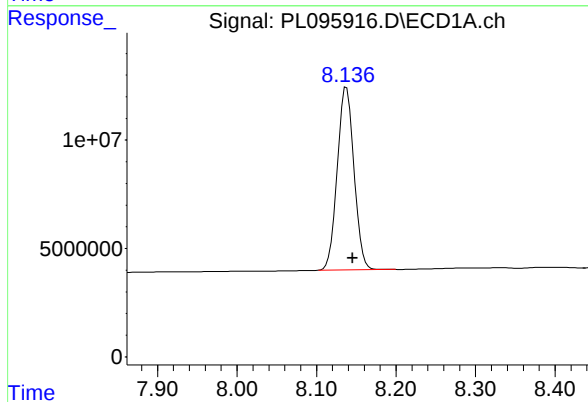
R.T.: 7.657 min
Delta R.T.: -0.007 min
Response: 174775692
Conc: 55.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



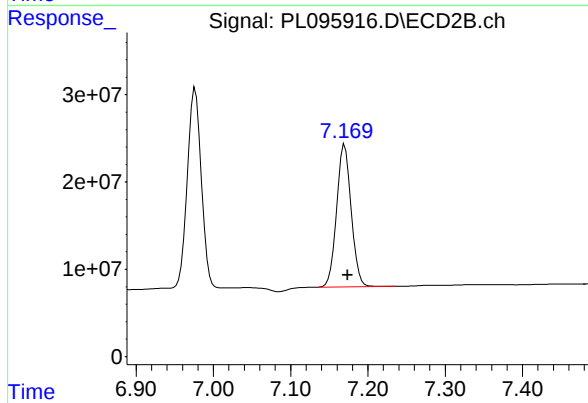
#21 Endrin ketone

R.T.: 6.977 min
Delta R.T.: -0.003 min
Response: 286396918
Conc: 55.35 ng/ml



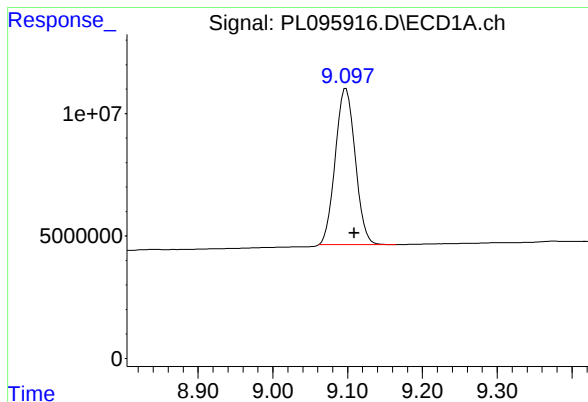
#22 Mirex

R.T.: 8.138 min
Delta R.T.: -0.008 min
Response: 123716241
Conc: 53.47 ng/ml



#22 Mirex

R.T.: 7.170 min
Delta R.T.: -0.003 min
Response: 214001430
Conc: 52.70 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.098 min

Delta R.T.: -0.011 min

Response: 118415921

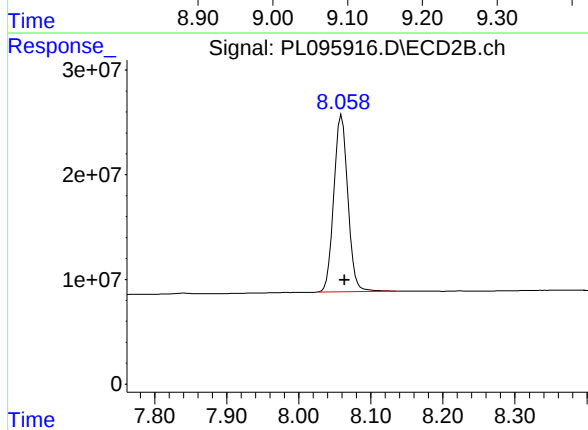
Conc: 50.25 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.060 min

Delta R.T.: -0.004 min

Response: 227615542

Conc: 52.03 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/04/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 13:22 Initial Calibration Time(s): 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.10	9.10	9.00	9.20	0.00
Tetrachloro-m-xylene	3.57	3.57	3.47	3.67	0.00
gamma-BHC (Lindane)	4.36	4.36	4.26	4.46	0.00
Heptachlor	4.95	4.96	4.86	5.06	0.01
Heptachlor epoxide	5.72	5.72	5.62	5.82	0.00
Endrin	6.60	6.60	6.50	6.70	0.00
Methoxychlor	7.52	7.52	7.42	7.62	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Continuing Calib Date: 06/04/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 13:22 Initial Calibration Time(s): 11:35 12:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.88	2.89	2.79	2.99	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00



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CALIBRATION VERIFICATION SUMMARY
Contract: PORT06
Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025
Client Sample No.: CCAL05 **Date Analyzed:** 06/04/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL095919.D **Time Analyzed:** 13:22

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.099	9.003	9.203	50.390	50.000	0.8
Endrin	6.600	6.502	6.702	48.640	50.000	-2.7
gamma-BHC (Lindane)	4.355	4.257	4.457	56.510	50.000	13.0
Heptachlor	4.952	4.855	5.055	55.130	50.000	10.3
Heptachlor epoxide	5.716	5.618	5.818	55.620	50.000	11.2
Methoxychlor	7.520	7.423	7.623	49.710	50.000	-0.6
Tetrachloro-m-xylene	3.571	3.473	3.673	56.360	50.000	12.7



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CALIBRATION VERIFICATION SUMMARY
Contract: PORT06
Lab Code: CHEM **Case No.:** Q2177 **SAS No.:** Q2177 **SDG NO.:** Q2177
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025
Client Sample No.: CCAL05 **Date Analyzed:** 06/04/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL095919.D **Time Analyzed:** 13:22

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.058	7.964	8.164	52.910	50.000	5.8
Endrin	5.778	5.683	5.883	49.690	50.000	-0.6
gamma-BHC (Lindane)	3.727	3.630	3.830	57.470	50.000	14.9
Heptachlor	4.079	3.983	4.183	55.520	50.000	11.0
Heptachlor epoxide	4.866	4.771	4.971	56.660	50.000	13.3
Methoxychlor	6.746	6.651	6.851	47.180	50.000	-5.6
Tetrachloro-m-xylene	2.884	2.786	2.986	56.310	50.000	12.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060425\
 Data File : PL095919.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 13:22
 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: Jun 05 01:42:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.571	2.884	177.8E6	220.4E6	56.363	56.308
28)	SA Decachlor...	9.099	8.058	118.7E6	231.5E6	50.385	52.911
Target Compounds							
2)	A alpha-BHC	4.023	3.393	275.4E6	342.2E6	56.809	58.420
3)	MA gamma-BHC...	4.355	3.727	252.7E6	321.9E6	56.509	57.468
4)	MA Heptachlor	4.952	4.079	208.7E6	311.4E6	55.130	55.515
5)	MB Aldrin	5.295	4.364	240.4E6	307.4E6	56.206	57.924
6)	B beta-BHC	4.542	4.022	108.5E6	139.9E6	55.020	56.465
7)	B delta-BHC	4.790	4.257	245.7E6	320.3E6	55.409	56.724
8)	B Heptachlo...	5.716	4.866	212.3E6	279.7E6	55.620	56.658
9)	A Endosulfan I	6.099	5.238	200.4E6	262.6E6	54.679	55.116
10)	B gamma-Chl...	5.971	5.118	219.8E6	297.9E6	56.470	56.719
11)	B alpha-Chl...	6.052	5.183	215.4E6	292.0E6	54.552	56.116
12)	B 4,4'-DDE	6.221	5.369	199.6E6	292.2E6	54.415	54.484
13)	MA Dieldrin	6.372	5.503	213.7E6	295.7E6	55.372	55.796
14)	MA Endrin	6.600	5.778	156.9E6	242.3E6	48.639	49.694
15)	B Endosulfa...	6.813	6.068	181.2E6	263.0E6	52.575	55.339
16)	A 4,4'-DDD	6.732	5.921	160.4E6	251.0E6	54.727	57.237
17)	MA 4,4'-DDT	7.048	6.175	134.6E6	236.6E6	49.771	49.481
18)	B Endrin al...	6.942	6.246	128.9E6	193.1E6	53.322	55.898
19)	B Endosulfa...	7.176	6.470	157.6E6	247.8E6	52.771	55.140
20)	A Methoxychlor	7.520	6.746	63391063	123.4E6	49.706	47.178
21)	B Endrin ke...	7.656	6.975	175.0E6	293.4E6	55.272	56.713
22)	Mirex	8.138	7.169	123.5E6	218.2E6	53.391	53.747

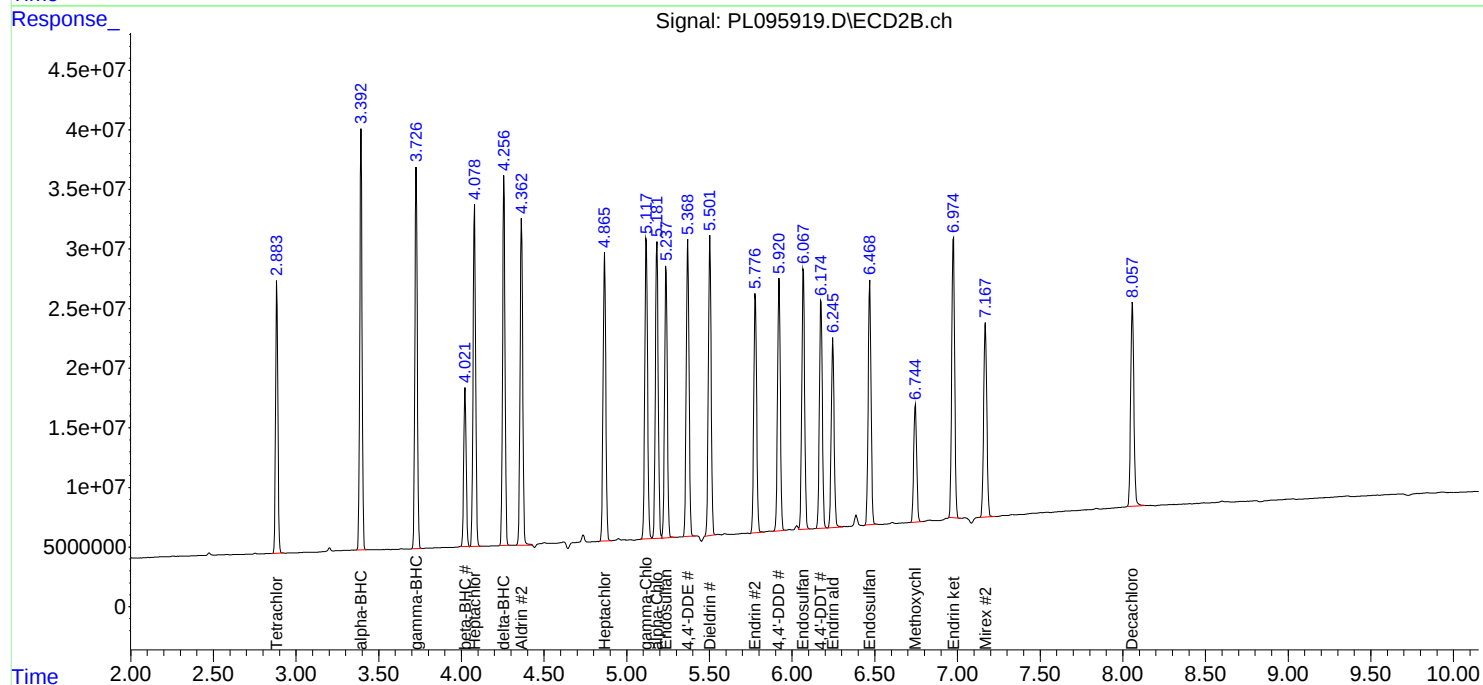
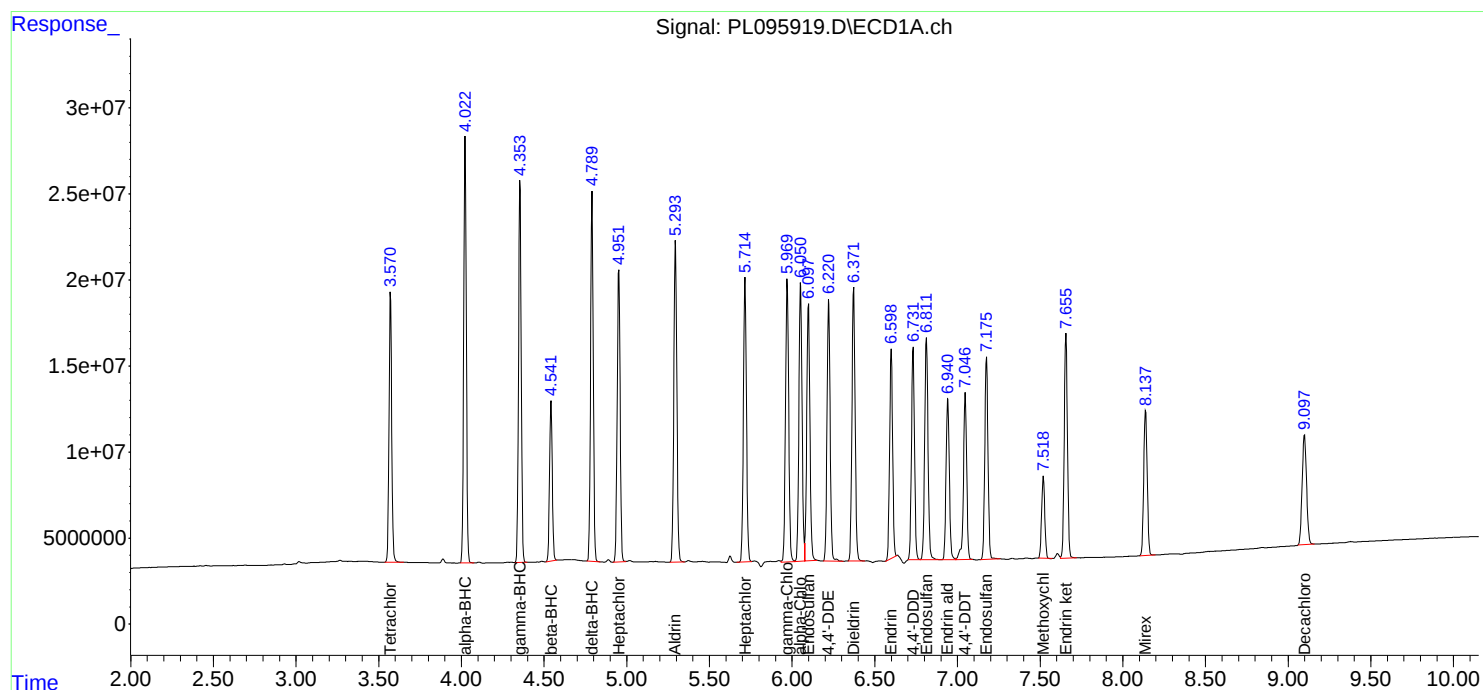
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

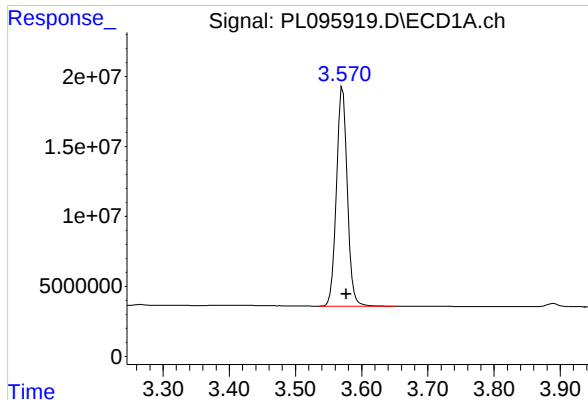
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060425\
Data File : PL095919.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 13:22
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:42:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

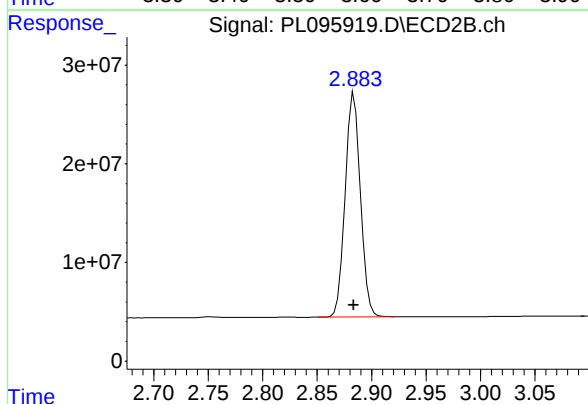




#1 Tetrachloro-m-xylene

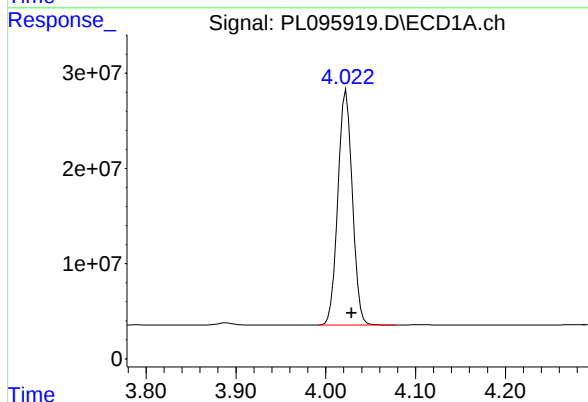
R.T.: 3.571 min
Delta R.T.: -0.006 min
Response: 177839731
Conc: 56.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



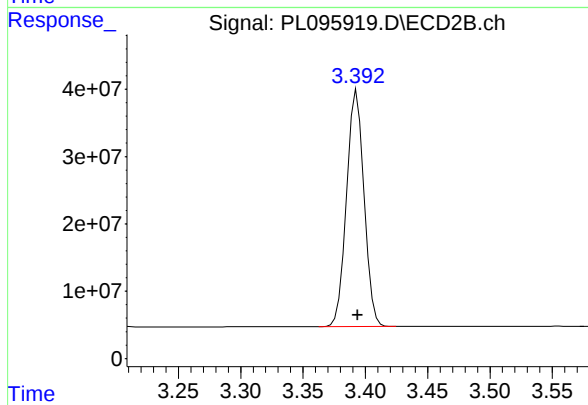
#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 220386327
Conc: 56.31 ng/ml



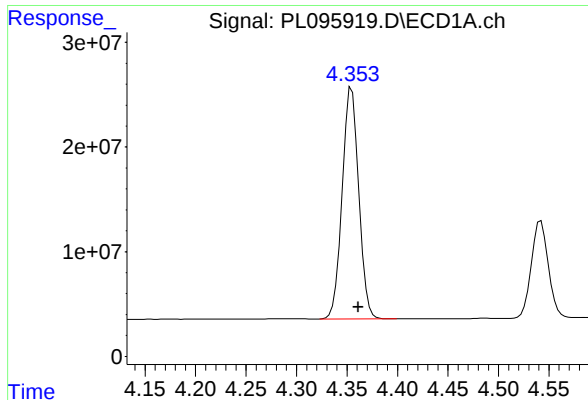
#2 alpha-BHC

R.T.: 4.023 min
Delta R.T.: -0.006 min
Response: 275404296
Conc: 56.81 ng/ml



#2 alpha-BHC

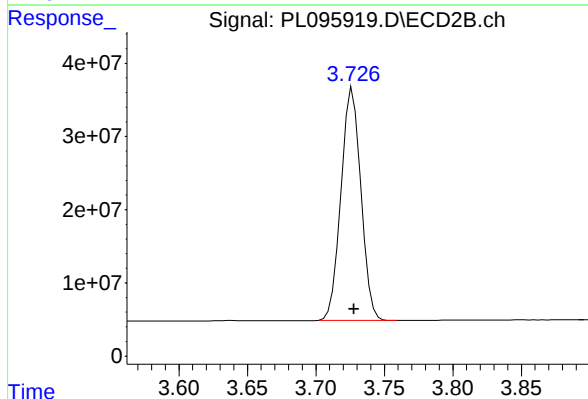
R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 342187721
Conc: 58.42 ng/ml



#3 gamma-BHC (Lindane)

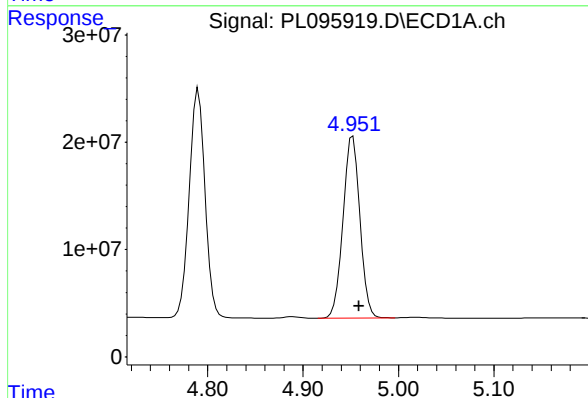
R.T.: 4.355 min
Delta R.T.: -0.007 min
Response: 252701914
Conc: 56.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



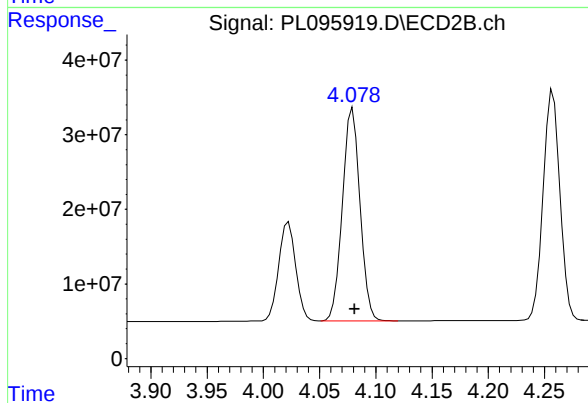
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 321893071
Conc: 57.47 ng/ml



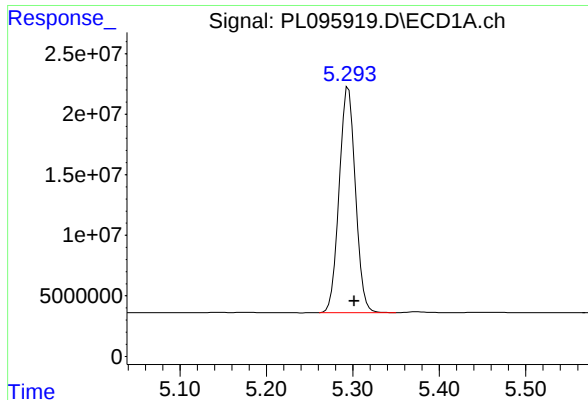
#4 Heptachlor

R.T.: 4.952 min
Delta R.T.: -0.007 min
Response: 208668199
Conc: 55.13 ng/ml



#4 Heptachlor

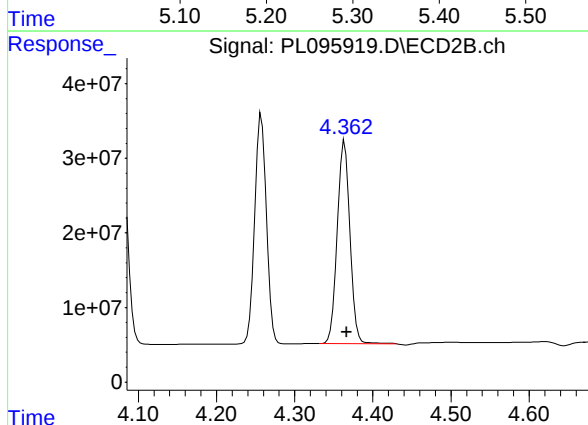
R.T.: 4.079 min
Delta R.T.: -0.002 min
Response: 311388929
Conc: 55.52 ng/ml



#5 Aldrin

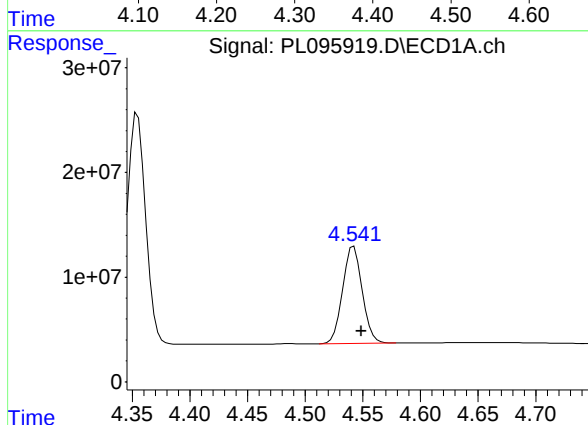
R.T.: 5.295 min
Delta R.T.: -0.007 min
Response: 240433795
Conc: 56.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



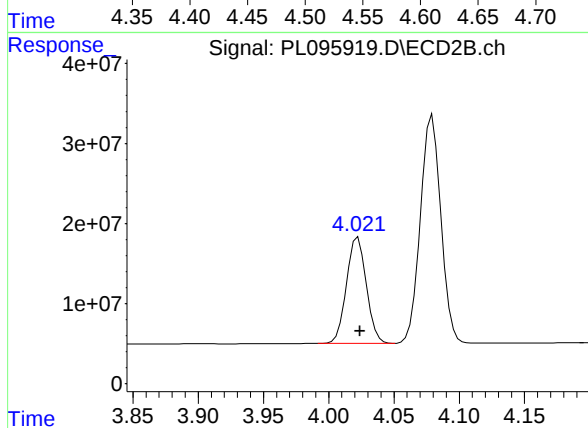
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: -0.002 min
Response: 307409174
Conc: 57.92 ng/ml



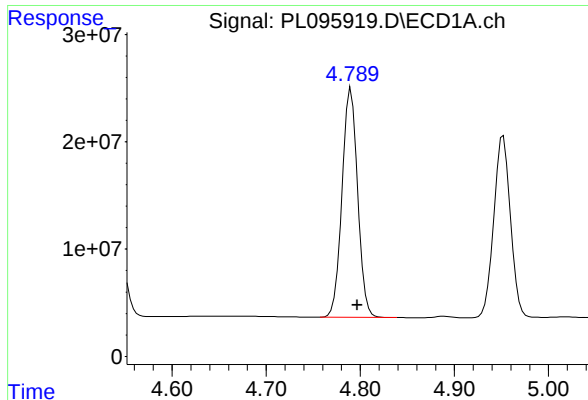
#6 beta-BHC

R.T.: 4.542 min
Delta R.T.: -0.007 min
Response: 108463963
Conc: 55.02 ng/ml



#6 beta-BHC

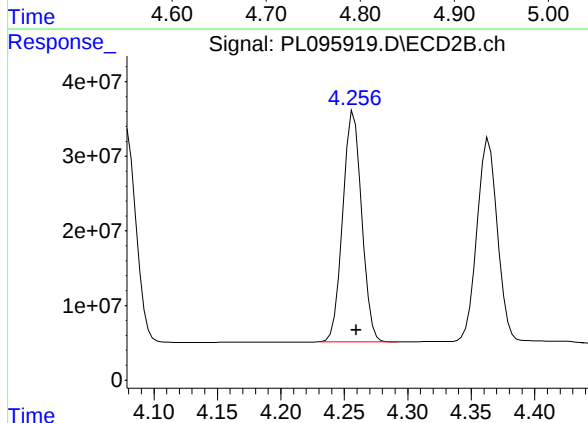
R.T.: 4.022 min
Delta R.T.: -0.002 min
Response: 139895463
Conc: 56.47 ng/ml



#7 delta-BHC

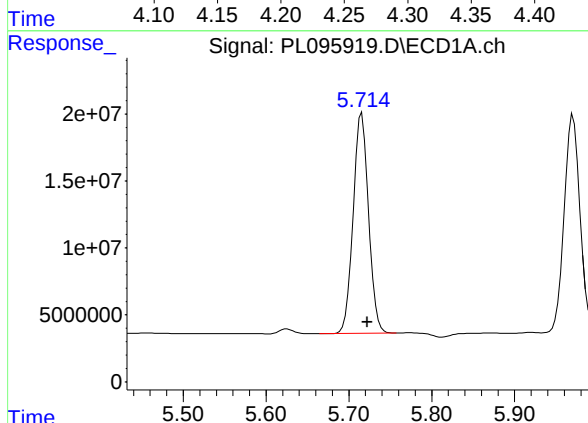
R.T.: 4.790 min
Delta R.T.: -0.006 min
Response: 245661470
Conc: 55.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



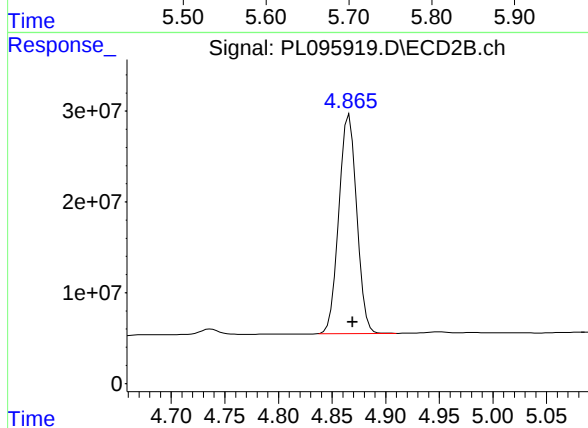
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: -0.002 min
Response: 320338967
Conc: 56.72 ng/ml



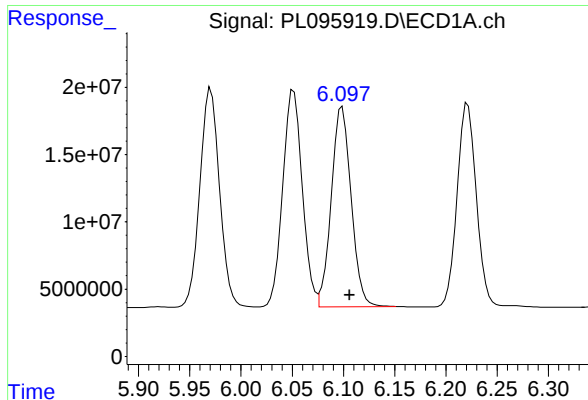
#8 Heptachlor epoxide

R.T.: 5.716 min
Delta R.T.: -0.007 min
Response: 212294030
Conc: 55.62 ng/ml



#8 Heptachlor epoxide

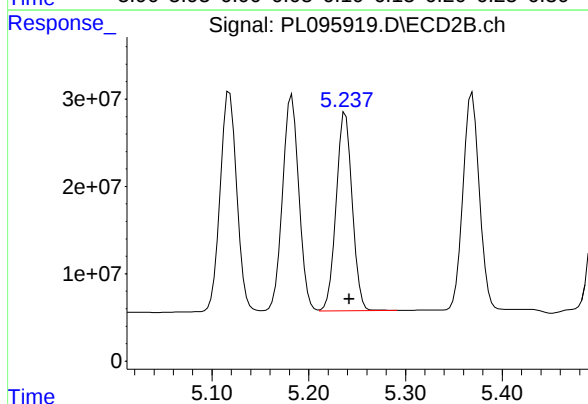
R.T.: 4.866 min
Delta R.T.: -0.003 min
Response: 279743670
Conc: 56.66 ng/ml



#9 Endosulfan I

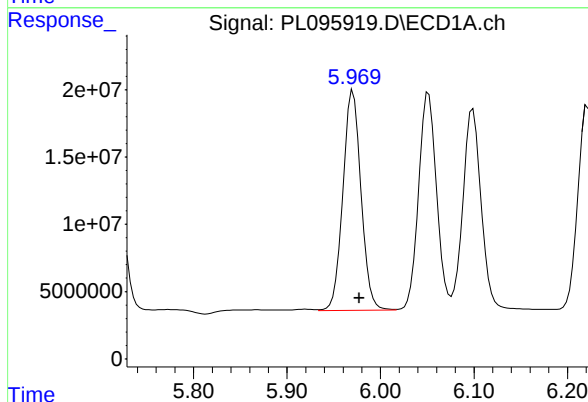
R.T.: 6.099 min
Delta R.T.: -0.007 min
Response: 200388012
Conc: 54.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



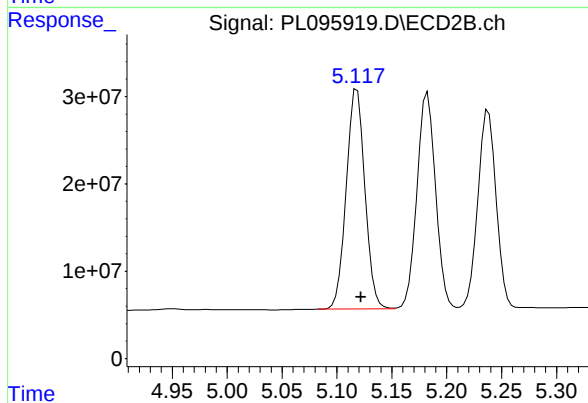
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: -0.004 min
Response: 262625599
Conc: 55.12 ng/ml



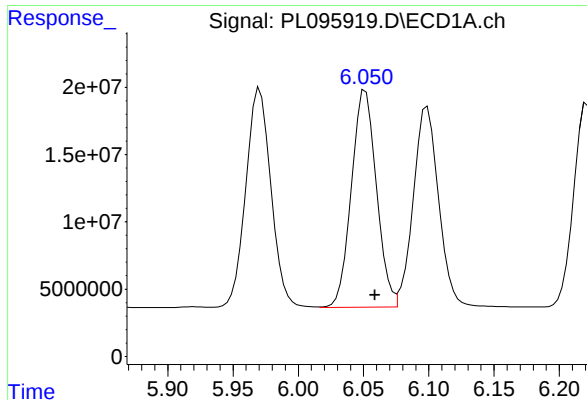
#10 gamma-Chlordane

R.T.: 5.971 min
Delta R.T.: -0.007 min
Response: 219787273
Conc: 56.47 ng/ml



#10 gamma-Chlordane

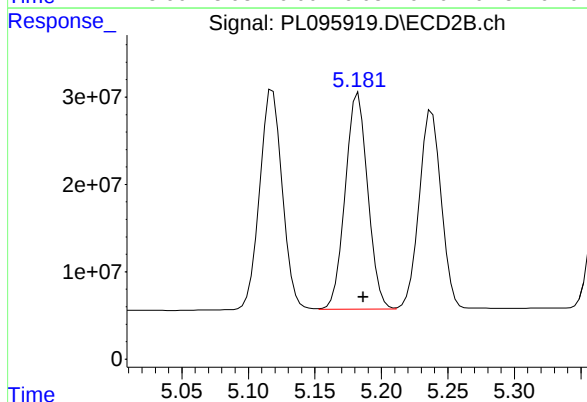
R.T.: 5.118 min
Delta R.T.: -0.004 min
Response: 297929510
Conc: 56.72 ng/ml



#11 alpha-Chlordane

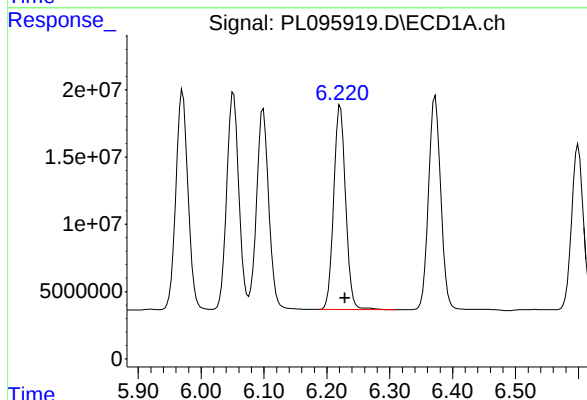
R.T.: 6.052 min
Delta R.T.: -0.007 min
Response: 215379345
Conc: 54.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



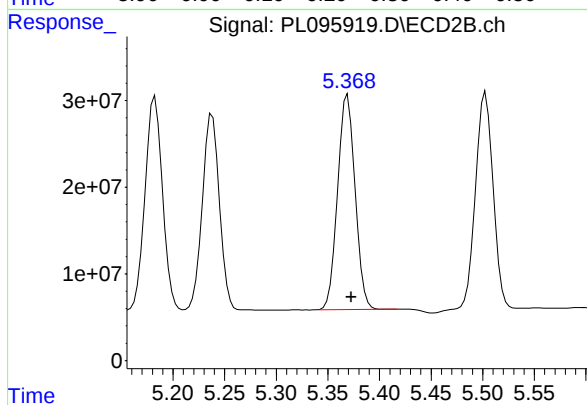
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: -0.004 min
Response: 291960401
Conc: 56.12 ng/ml



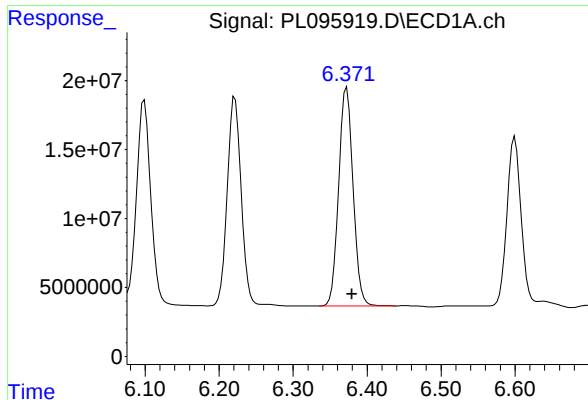
#12 4,4'-DDE

R.T.: 6.221 min
Delta R.T.: -0.008 min
Response: 199589821
Conc: 54.42 ng/ml



#12 4,4'-DDE

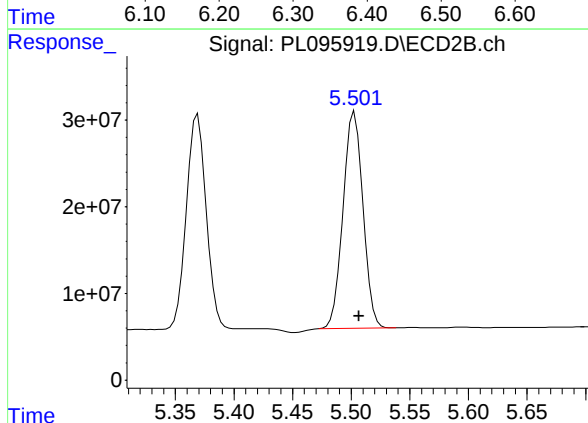
R.T.: 5.369 min
Delta R.T.: -0.004 min
Response: 292153371
Conc: 54.48 ng/ml



#13 Dieldrin

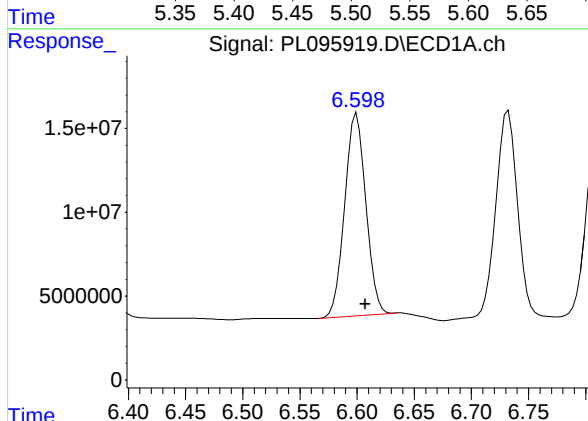
R.T.: 6.372 min
Delta R.T.: -0.007 min
Response: 213692168
Conc: 55.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



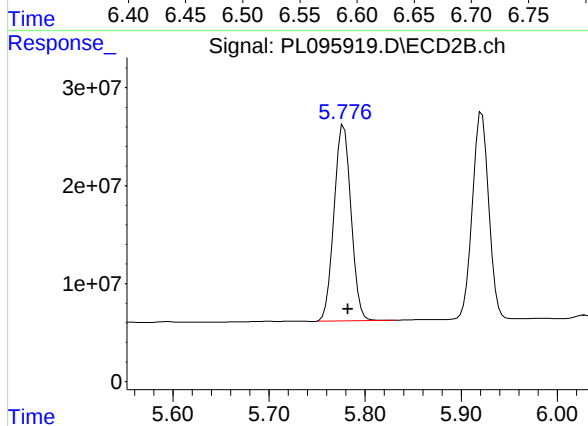
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: -0.004 min
Response: 295726600
Conc: 55.80 ng/ml



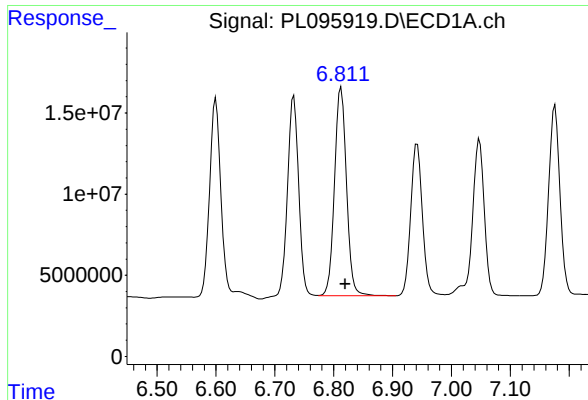
#14 Endrin

R.T.: 6.600 min
Delta R.T.: -0.007 min
Response: 156947562
Conc: 48.64 ng/ml



#14 Endrin

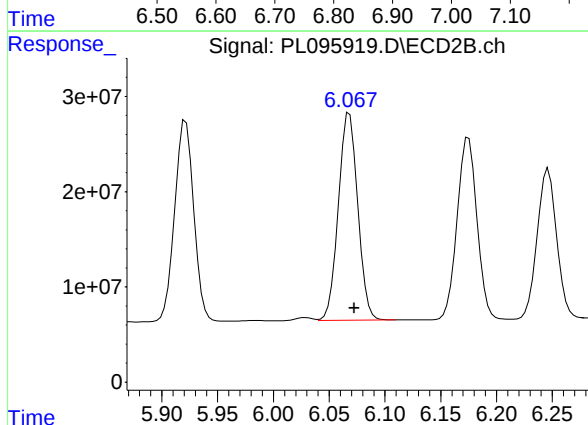
R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 242310674
Conc: 49.69 ng/ml



#15 Endosulfan II

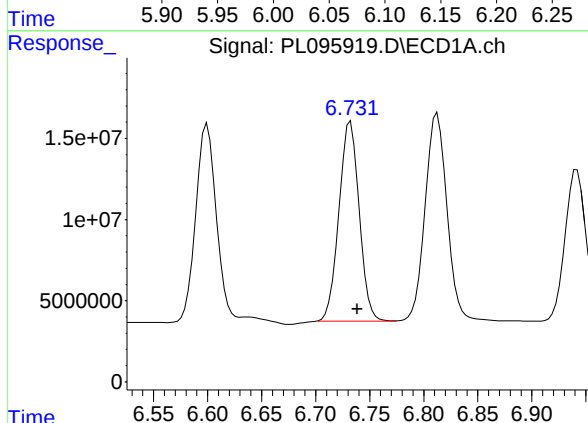
R.T.: 6.813 min
Delta R.T.: -0.007 min
Response: 181176381
Conc: 52.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



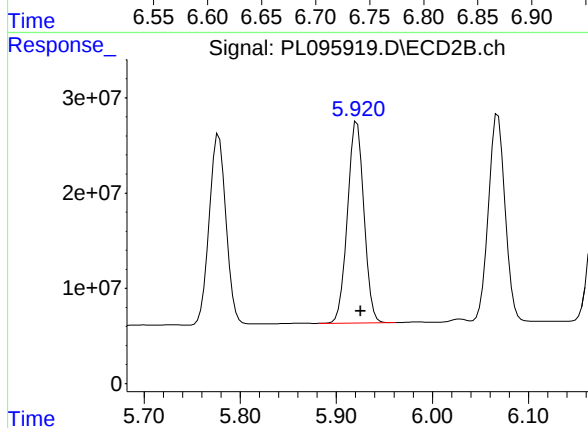
#15 Endosulfan II

R.T.: 6.068 min
Delta R.T.: -0.004 min
Response: 262959978
Conc: 55.34 ng/ml



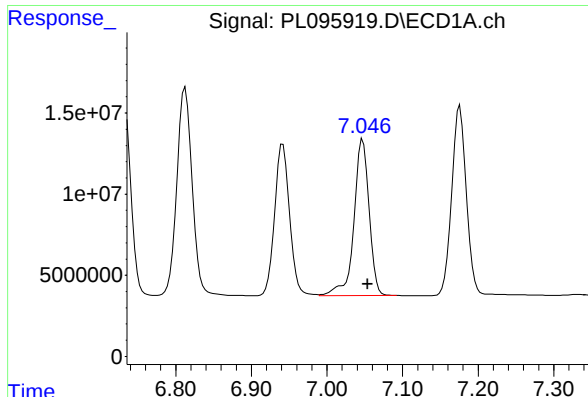
#16 4,4'-DDD

R.T.: 6.732 min
Delta R.T.: -0.006 min
Response: 160382085
Conc: 54.73 ng/ml



#16 4,4'-DDD

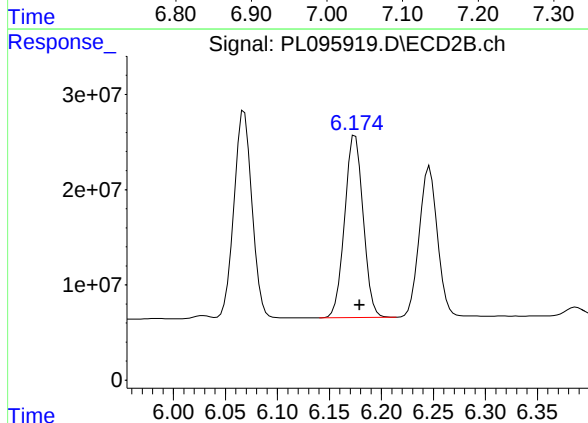
R.T.: 5.921 min
Delta R.T.: -0.004 min
Response: 250979472
Conc: 57.24 ng/ml



#17 4,4'-DDT

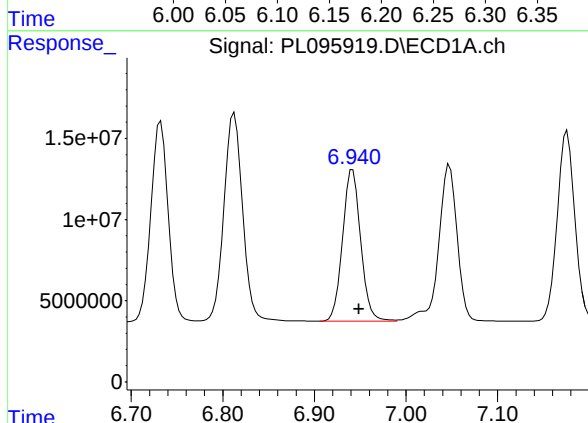
R.T.: 7.048 min
Delta R.T.: -0.006 min
Response: 134637196
Conc: 49.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



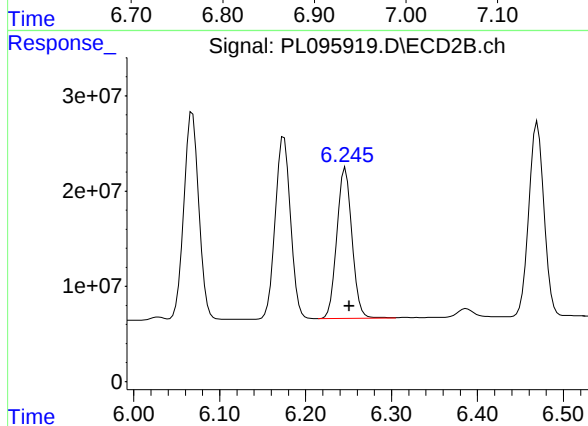
#17 4,4'-DDT

R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 236647269
Conc: 49.48 ng/ml



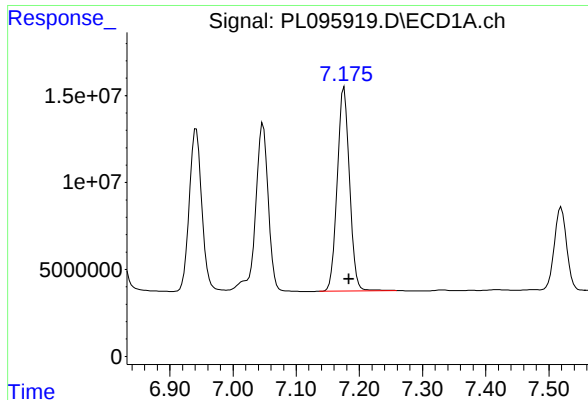
#18 Endrin aldehyde

R.T.: 6.942 min
Delta R.T.: -0.007 min
Response: 128913274
Conc: 53.32 ng/ml



#18 Endrin aldehyde

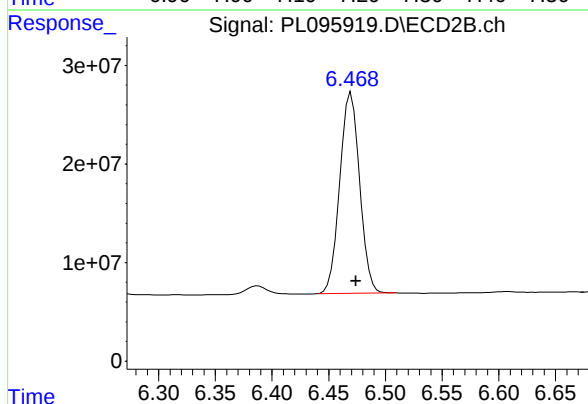
R.T.: 6.246 min
Delta R.T.: -0.004 min
Response: 193089584
Conc: 55.90 ng/ml



#19 Endosulfan Sulfate

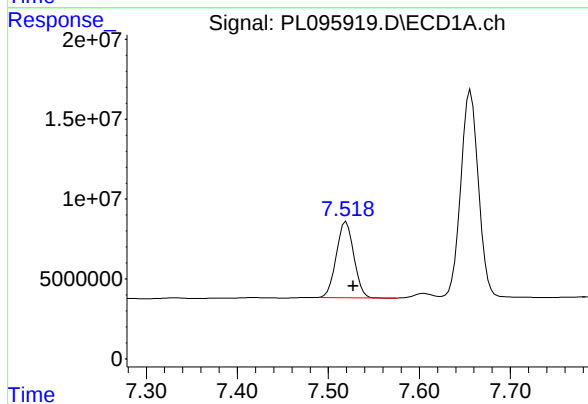
R.T.: 7.176 min
Delta R.T.: -0.008 min
Response: 157623795
Conc: 52.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



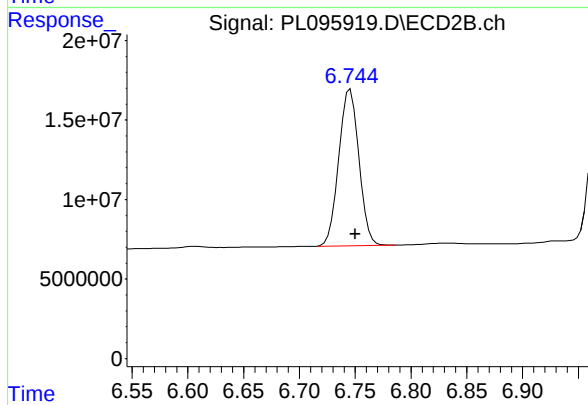
#19 Endosulfan Sulfate

R.T.: 6.470 min
Delta R.T.: -0.004 min
Response: 247840976
Conc: 55.14 ng/ml



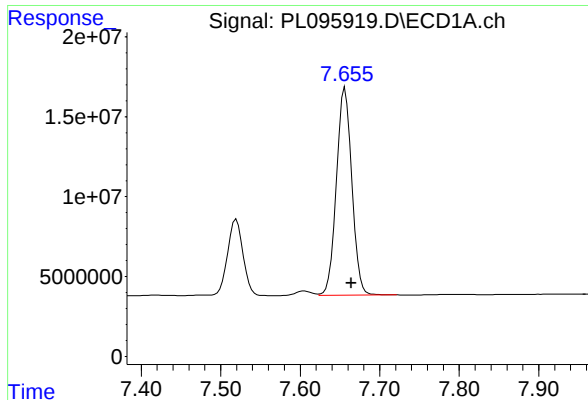
#20 Methoxychlor

R.T.: 7.520 min
Delta R.T.: -0.008 min
Response: 63391063
Conc: 49.71 ng/ml



#20 Methoxychlor

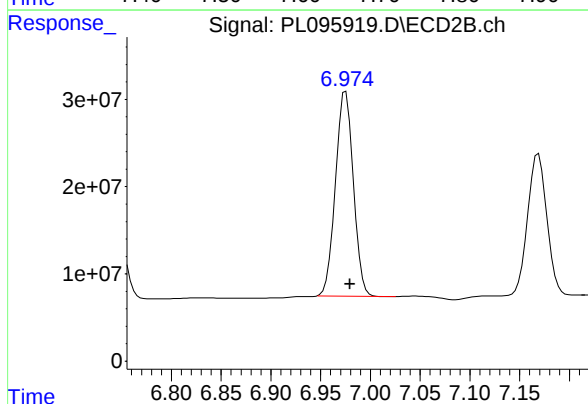
R.T.: 6.746 min
Delta R.T.: -0.005 min
Response: 123421758
Conc: 47.18 ng/ml



#21 Endrin ketone

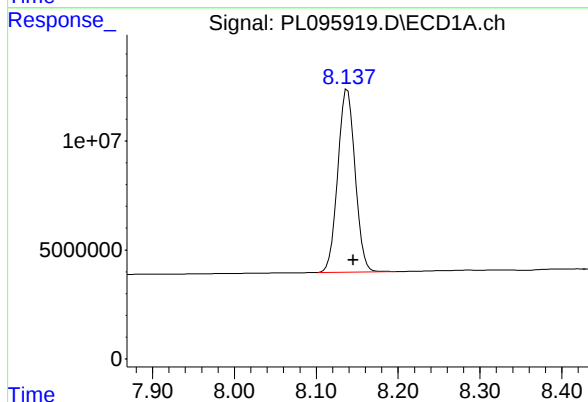
R.T.: 7.656 min
Delta R.T.: -0.008 min
Response: 175042959
Conc: 55.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



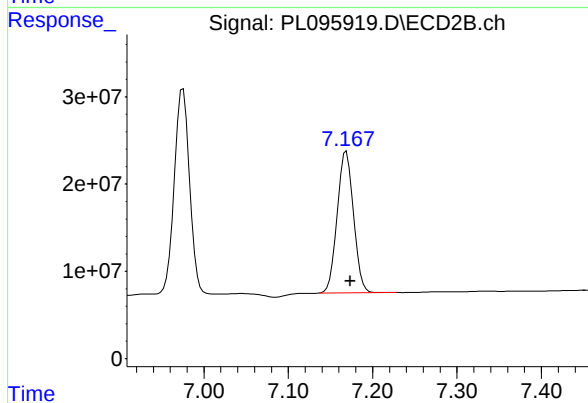
#21 Endrin ketone

R.T.: 6.975 min
Delta R.T.: -0.004 min
Response: 293425611
Conc: 56.71 ng/ml



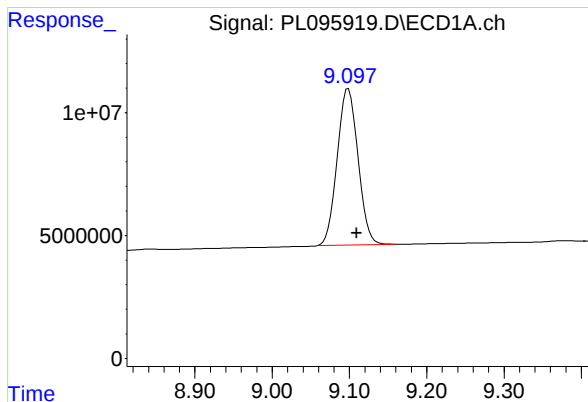
#22 Mirex

R.T.: 8.138 min
Delta R.T.: -0.007 min
Response: 123533653
Conc: 53.39 ng/ml



#22 Mirex

R.T.: 7.169 min
Delta R.T.: -0.005 min
Response: 218241533
Conc: 53.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.099 min

Delta R.T.: -0.010 min

Response: 118724622

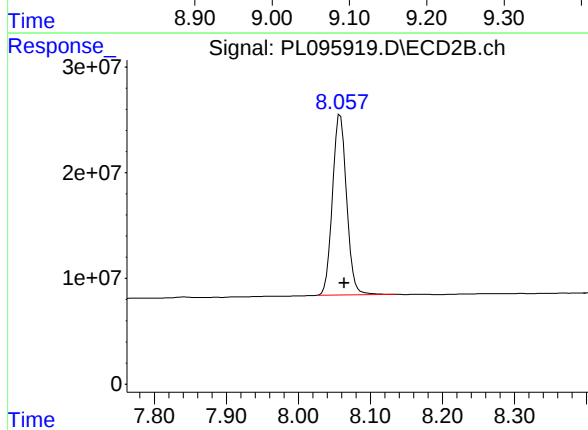
Conc: 50.39 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.058 min

Delta R.T.: -0.006 min

Response: 231457733

Conc: 52.91 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **PORT06**

Lab Code: **CHEM** Case No.: **Q2177** SAS No.: **Q2177** SDG NO.: **Q2177**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **05/21/2025** **05/21/2025**

Client Sample No. (PEM): **PEM - PL095733.D** Date Analyzed: **05/21/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:01**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.103	9.000	9.200	21.750	20.000	8.8
Tetrachloro-m-xylene	3.573	3.520	3.620	20.300	20.000	1.5
alpha-BHC	4.025	3.970	4.080	9.870	10.000	-1.3
beta-BHC	4.544	4.490	4.590	10.330	10.000	3.3
gamma-BHC (Lindane)	4.356	4.310	4.410	10.120	10.000	1.2
Endrin	6.602	6.530	6.670	51.510	50.000	3.0
4,4'-DDT	7.049	6.980	7.120	98.360	100.000	-1.6
Methoxychlor	7.523	7.450	7.590	249.140	250.000	-0.3

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **05/21/2025** **05/21/2025**

Client Sample No. (PEM): **PEM - PL095733.D** Date Analyzed: **05/21/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:01**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.063	7.960	8.160	20.860	20.000	4.3
Tetrachloro-m-xylene	2.886	2.840	2.940	19.970	20.000	-0.2
alpha-BHC	3.396	3.350	3.450	9.630	10.000	-3.7
beta-BHC	4.024	3.970	4.070	10.010	10.000	0.1
gamma-BHC (Lindane)	3.730	3.680	3.780	9.770	10.000	-2.3
Endrin	5.782	5.710	5.850	51.350	50.000	2.7
4,4'-DDT	6.179	6.110	6.250	105.590	100.000	5.6
Methoxychlor	6.750	6.680	6.820	232.680	250.000	-6.9

Data File: PEM
 PL095733.D Date Acquired 5/21/2025 11:01
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.60	166199539.1	167521772.4	1322233.35	Down 0.79
Endrin aldehyde	6.96	311326.919			
Endrin ketone	7.66	1010906.429			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	250406859.3	255154793.7	4747934.39	1.86
Endrin aldehyde #2	6.25	2401094.749			
Endrin ketone #2	6.98	2346839.636			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.05	266081984.2	266752820.2	670836.009	0.25
4,4'-DDE	0.00	0			
4,4'-DDD	6.73	670836.009			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	505004527.9	506096836.4	1092308.49	0.22
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.93	1092308.494			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
 Data File : PL095733.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 11:01
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/22/2025
 Supervised By : mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 06:31:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.573	2.886	64039504	78171856	20.296	19.973
28)	SA Decachlor...	9.103	8.063	51250615	91261143	21.750	20.862
Target Compounds							
2)	A alpha-BHC	4.025	3.396	47867188	56433599	9.874	9.635
3)	MA gamma-BHC...	4.356	3.730	45268364	54712345	10.123	9.768
6)	B beta-BHC	4.544	4.024	20364485	24808902	10.330	10.013m
14)	MA Endrin	6.602	5.782	166.2E6	250.4E6	51.507	51.354
16)	A 4,4'-DDD	6.734	5.926	670836	1092308	0.229m	0.249m
17)	MA 4,4'-DDT	7.049	6.179	266.1E6	505.0E6	98.362	105.592
18)	B Endrin al...	6.959	6.254	311327	2401095	0.129m	0.695m#
20)	A Methoxychlor	7.523	6.750	317.7E6	608.7E6	249.137	232.677
21)	B Endrin ke...	7.659	6.979	1010906	2346840	0.319m	0.454m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095733.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 11:01
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

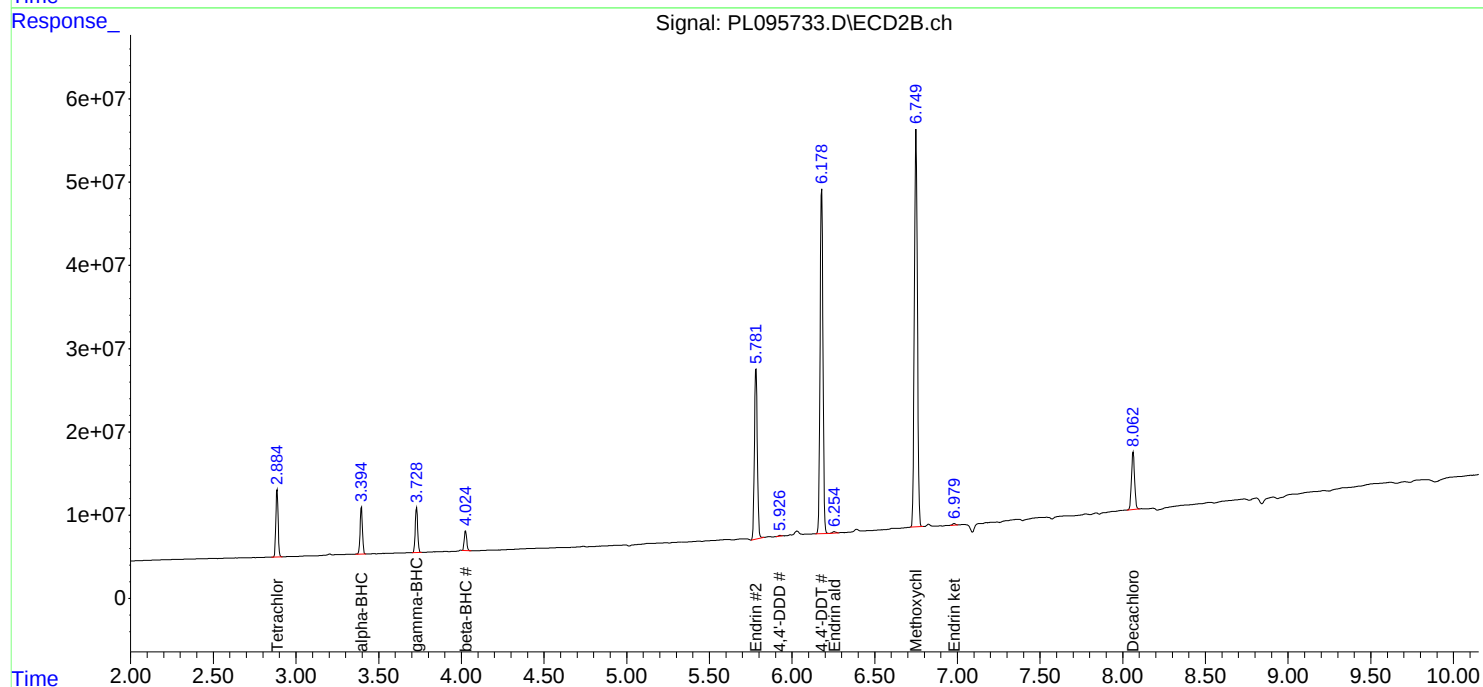
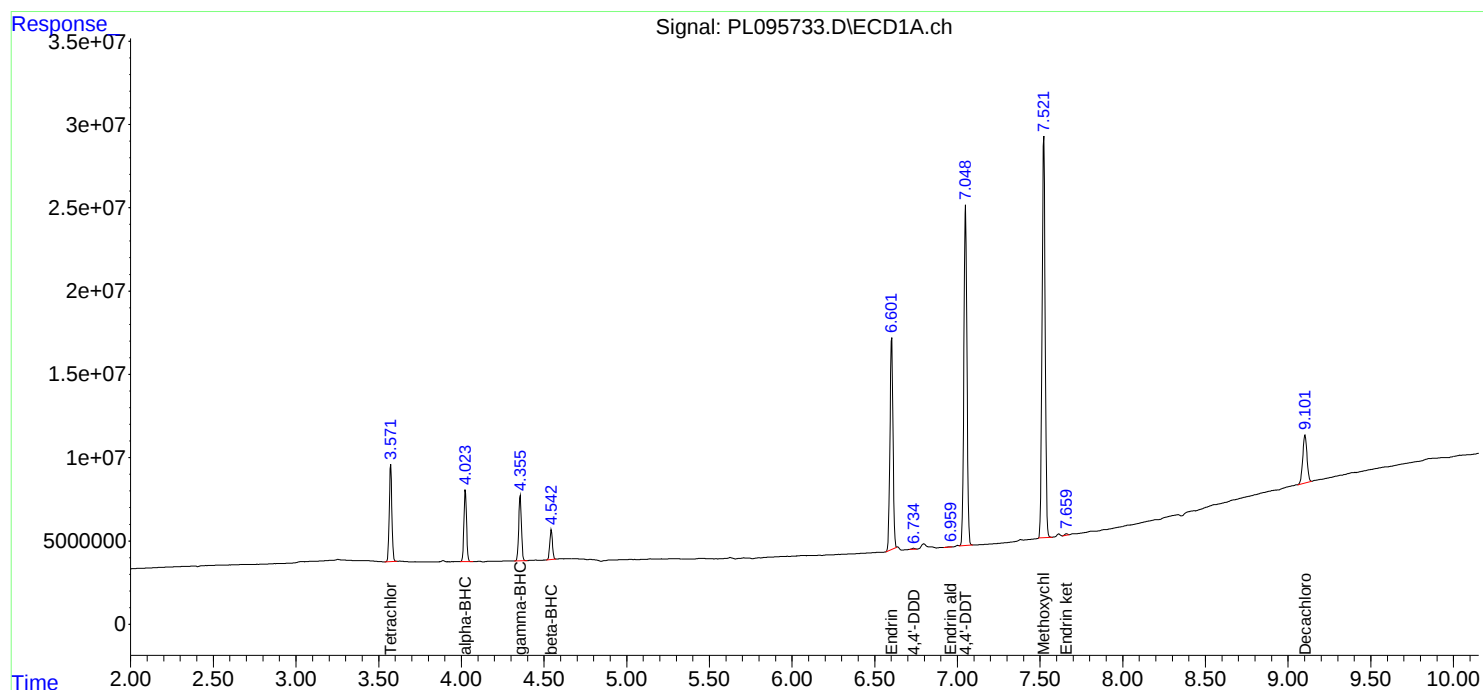
Instrument :
ECD_L
ClientSampleId :
PEM

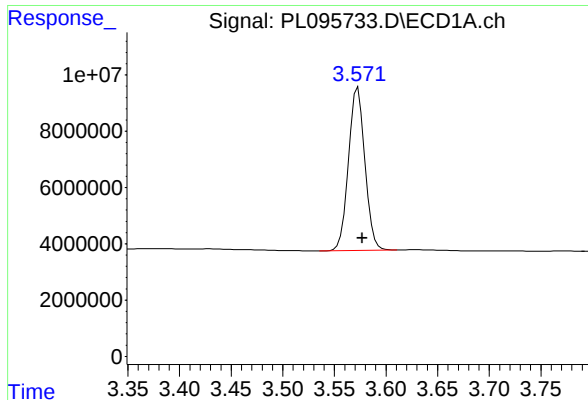
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/22/2025
Supervised By : mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:31:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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





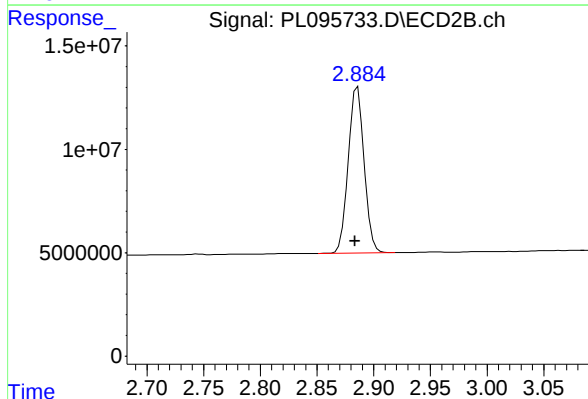
#1 Tetrachloro-m-xylene

R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 64039504
Conc: 20.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

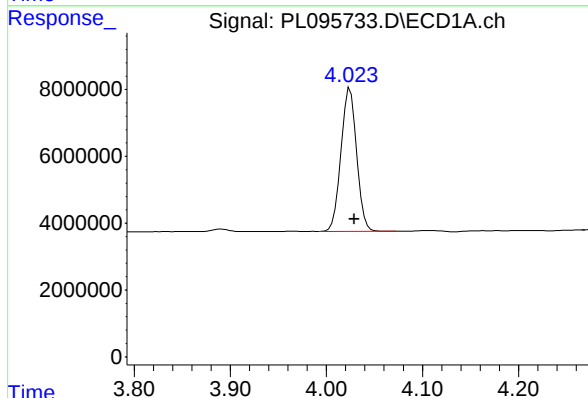
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



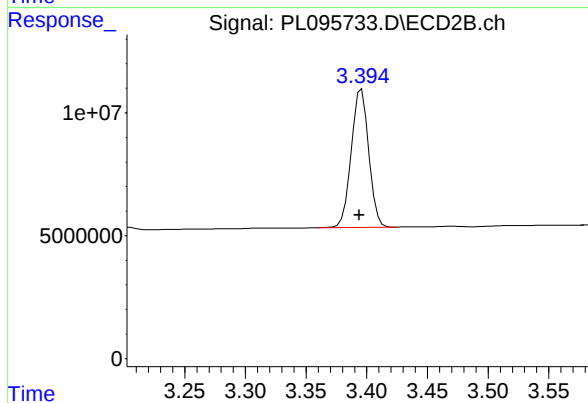
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 78171856
Conc: 19.97 ng/ml



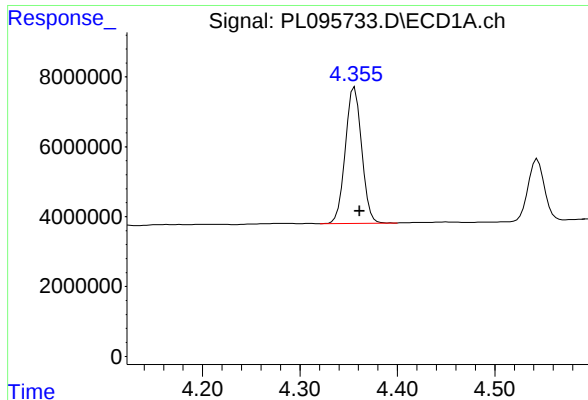
#2 alpha-BHC

R.T.: 4.025 min
Delta R.T.: -0.005 min
Response: 47867188
Conc: 9.87 ng/ml



#2 alpha-BHC

R.T.: 3.396 min
Delta R.T.: 0.002 min
Response: 56433599
Conc: 9.63 ng/ml



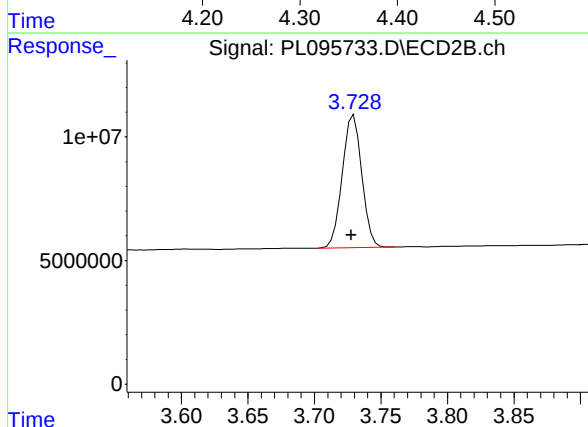
#3 gamma-BHC (Lindane)

R.T.: 4.356 min
Delta R.T.: -0.005 min
Response: 45268364
Conc: 10.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

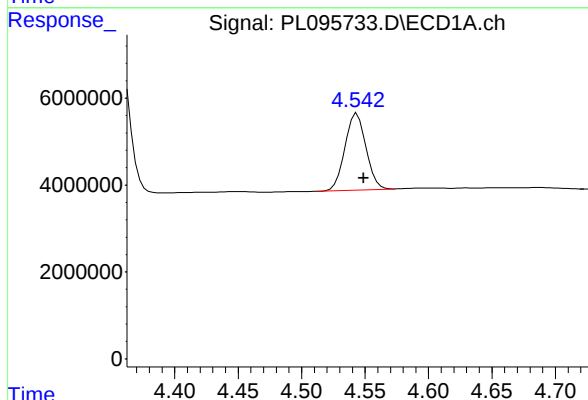
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



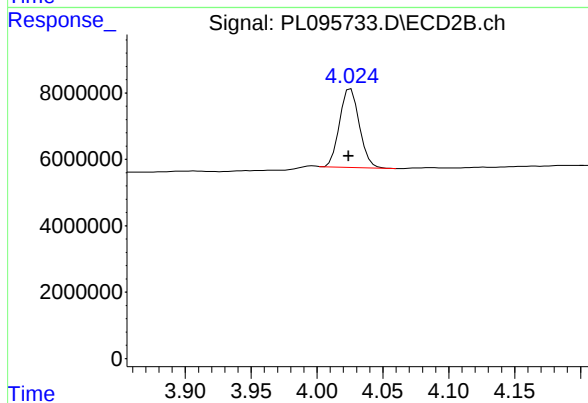
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.002 min
Response: 54712345
Conc: 9.77 ng/ml



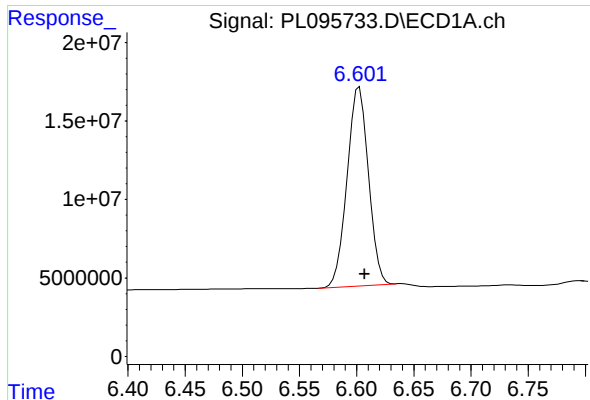
#6 beta-BHC

R.T.: 4.544 min
Delta R.T.: -0.005 min
Response: 20364485
Conc: 10.33 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 24808902
Conc: 10.01 ng/ml m



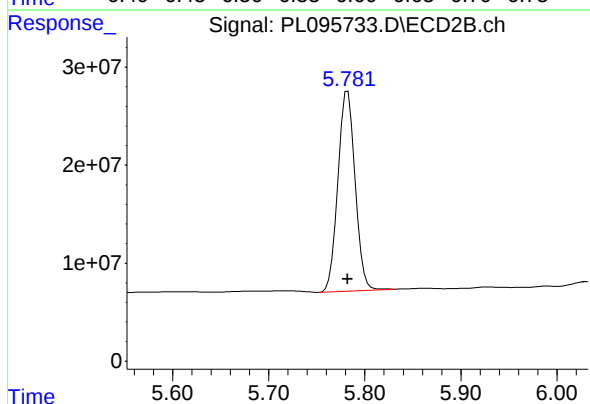
#14 Endrin

R.T.: 6.602 min
Delta R.T.: -0.005 min
Response: 166199539
Conc: 51.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

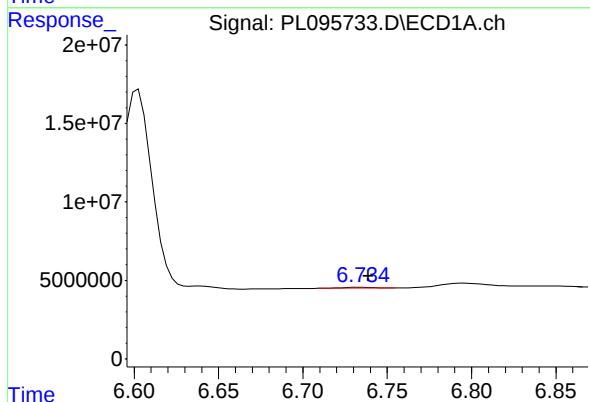
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



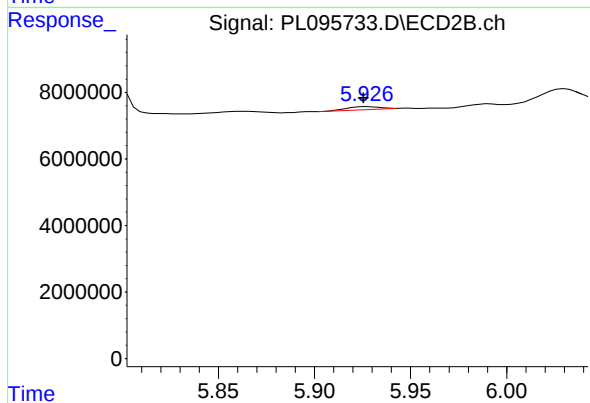
#14 Endrin

R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 250406859
Conc: 51.35 ng/ml



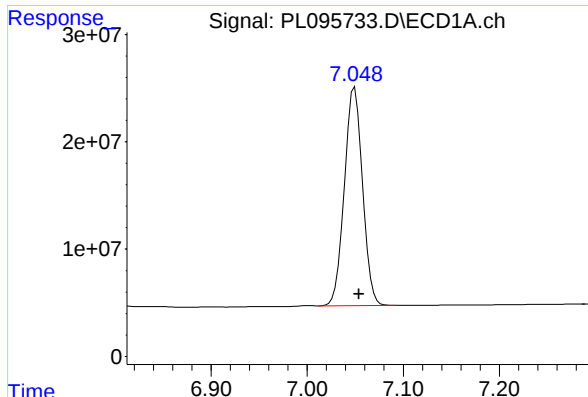
#16 4,4'-DDD

R.T.: 6.734 min
Delta R.T.: -0.005 min
Response: 670836
Conc: 0.23 ng/ml m



#16 4,4'-DDD

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 1092308
Conc: 0.25 ng/ml m



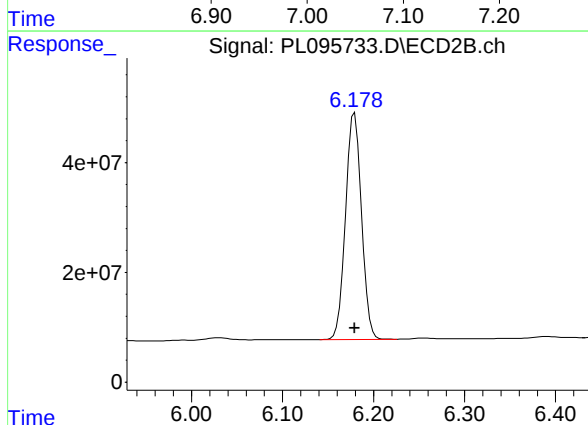
#17 4,4'-DDT

R.T.: 7.049 min
Delta R.T.: -0.005 min
Response: 266081984
Conc: 98.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

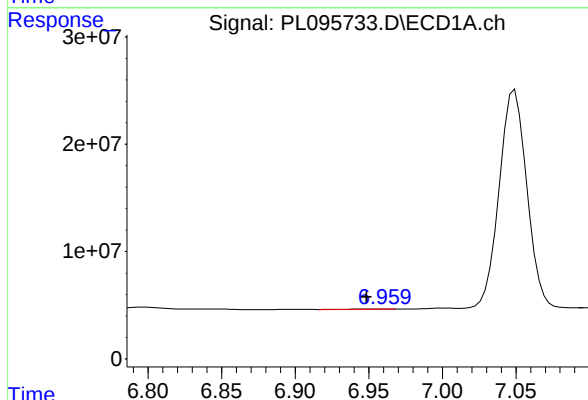
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



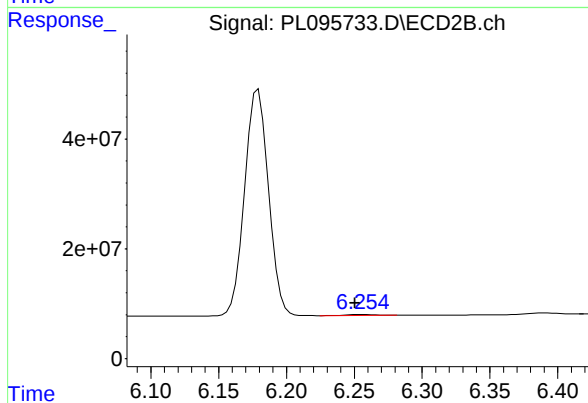
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 505004528
Conc: 105.59 ng/ml



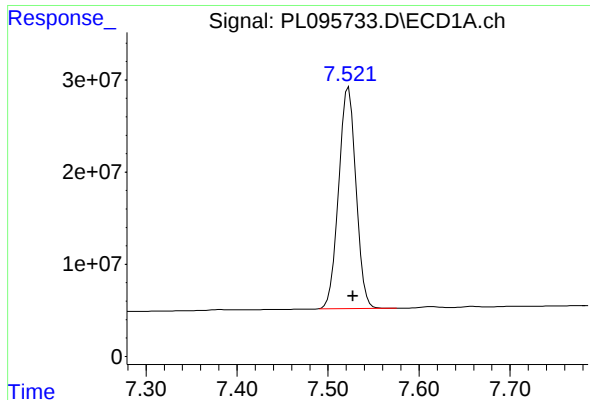
#18 Endrin aldehyde

R.T.: 6.959 min
Delta R.T.: 0.010 min
Response: 311327
Conc: 0.13 ng/ml m



#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: 0.004 min
Response: 2401095
Conc: 0.70 ng/ml m



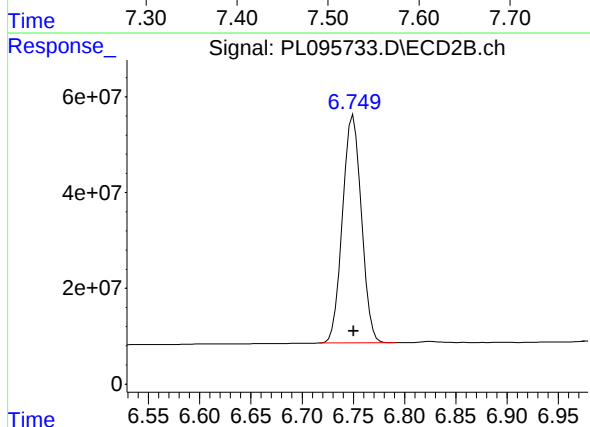
#20 Methoxychlor

R.T.: 7.523 min
Delta R.T.: -0.005 min
Response: 317731063
Conc: 249.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

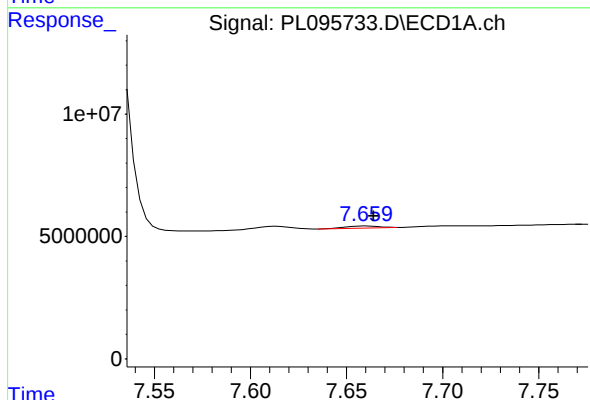
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



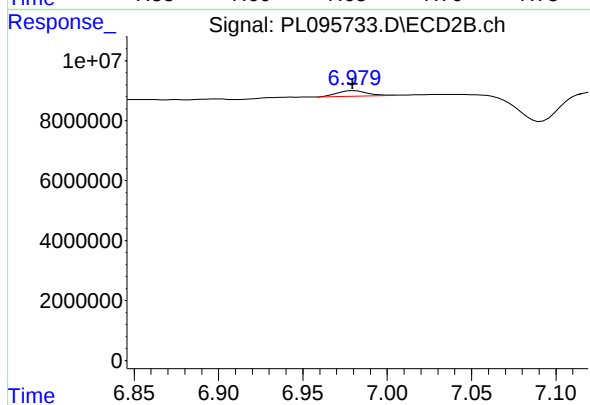
#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 608707889
Conc: 232.68 ng/ml



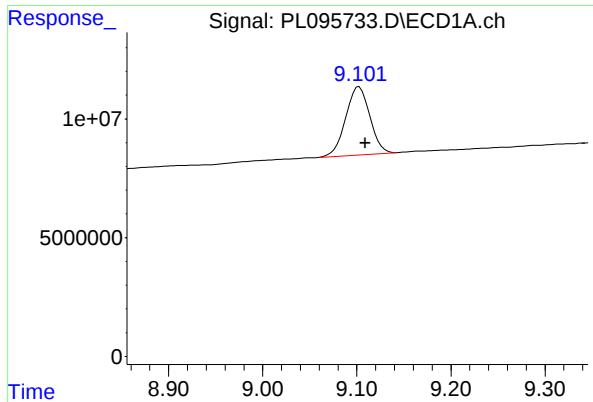
#21 Endrin ketone

R.T.: 7.659 min
Delta R.T.: -0.006 min
Response: 1010906
Conc: 0.32 ng/ml m



#21 Endrin ketone

R.T.: 6.979 min
Delta R.T.: 0.000 min
Response: 2346840
Conc: 0.45 ng/ml m



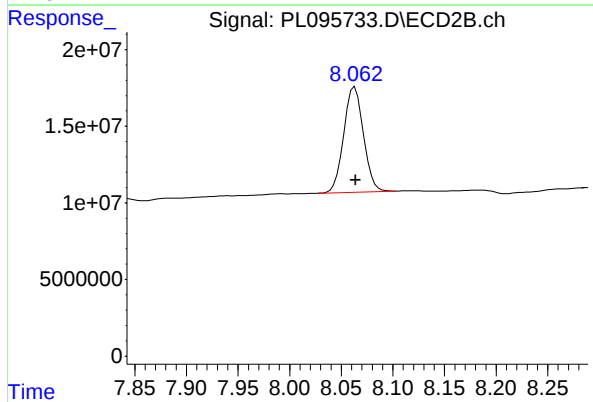
#28 Decachlorobiphenyl

R.T.: 9.103 min
Delta R.T.: -0.006 min
Response: 51250615
Conc: 21.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 91261143
Conc: 20.86 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **PORT06**

Lab Code: **CHEM** Case No.: **Q2177** SAS No.: **Q2177** SDG NO.: **Q2177**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **05/21/2025** **05/21/2025**

Client Sample No. (PEM): **PEM - PL095879.D** Date Analyzed: **06/03/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **09:42**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.098	9.000	9.200	22.730	20.000	13.7
Tetrachloro-m-xylene	3.572	3.520	3.620	23.620	20.000	18.1
alpha-BHC	4.024	3.970	4.070	11.250	10.000	12.5
beta-BHC	4.542	4.490	4.590	11.840	10.000	18.4
gamma-BHC (Lindane)	4.355	4.300	4.410	11.530	10.000	15.3
Endrin	6.600	6.530	6.670	53.670	50.000	7.3
4,4'-DDT	7.047	6.980	7.120	103.120	100.000	3.1
Methoxychlor	7.520	7.450	7.590	250.820	250.000	0.3

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **05/21/2025** **05/21/2025**

Client Sample No. (PEM): **PEM - PL095879.D** Date Analyzed: **06/03/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **09:42**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.059	7.960	8.160	21.700	20.000	8.5
Tetrachloro-m-xylene	2.885	2.830	2.940	22.520	20.000	12.6
alpha-BHC	3.394	3.340	3.440	10.800	10.000	8.0
beta-BHC	4.024	3.970	4.070	11.430	10.000	14.3
gamma-BHC (Lindane)	3.728	3.680	3.780	10.890	10.000	8.9
Endrin	5.778	5.710	5.850	53.730	50.000	7.5
4,4'-DDT	6.176	6.110	6.250	107.430	100.000	7.4
Methoxychlor	6.746	6.680	6.820	225.220	250.000	-9.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
 Data File : PL095879.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 09:42
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 06/04/2025
 Supervised By : mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 01:34:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.572	2.885	74521020	88129047	23.618	22.517
28) SA Decachlor...	9.098	8.059	53564425	94943558	22.732	21.704
Target Compounds						
2) A alpha-BHC	4.024	3.394	54521486	63235251	11.246	10.796
3) MA gamma-BHC...	4.355	3.728	51575809	61003492	11.533	10.891
6) B beta-BHC	4.542	4.024	23334848	28321395	11.837	11.431
14) MA Endrin	6.600	5.778	173.2E6	262.0E6	53.674	53.728m
16) A 4,4'-DDD	6.730	5.923	9789523	14757683	3.340m	3.366
17) MA 4,4'-DDT	7.047	6.176	279.0E6	513.8E6	103.121	107.426
18) B Endrin al...	6.940	6.248	1770036	3784186	0.732m	1.096m#
20) A Methoxychlor	7.520	6.746	319.9E6	589.2E6	250.821	225.225
21) B Endrin ke...	7.657	6.976	5996978	10719898	1.894	2.072

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095879.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 09:42
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

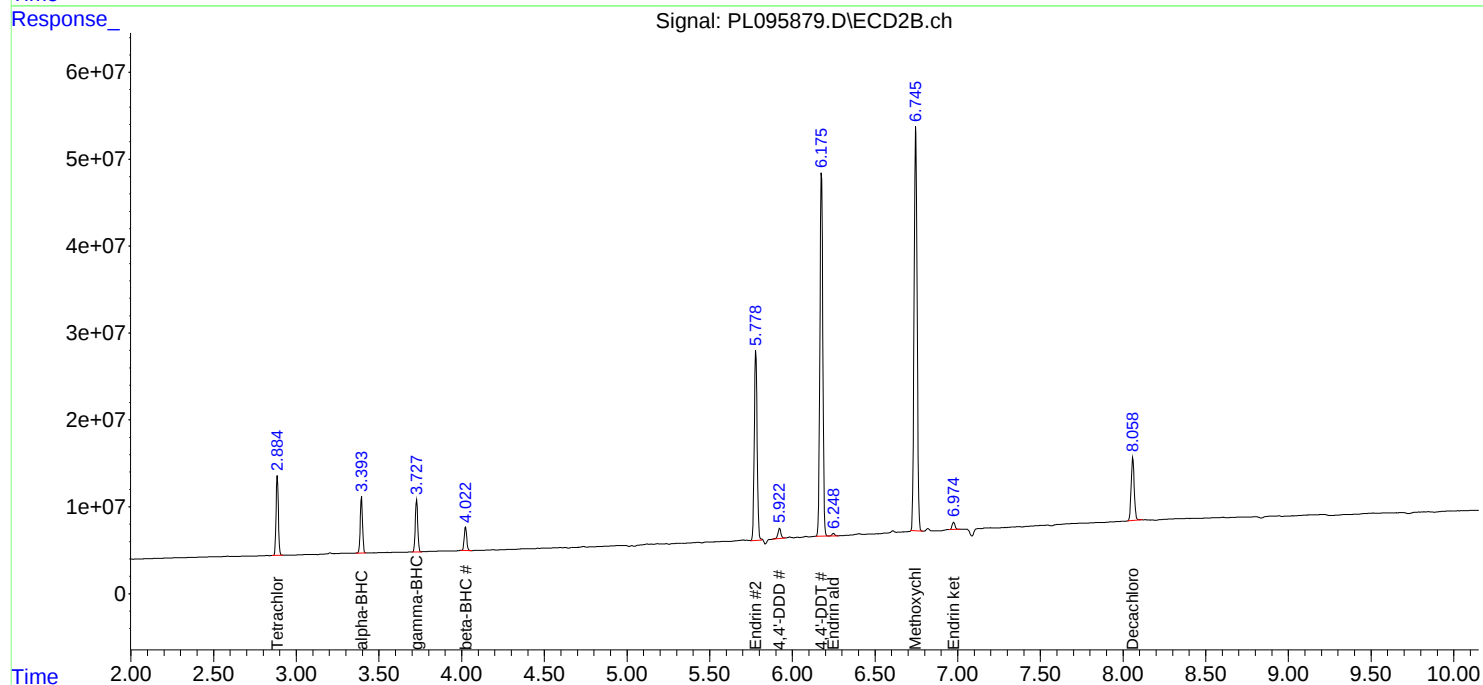
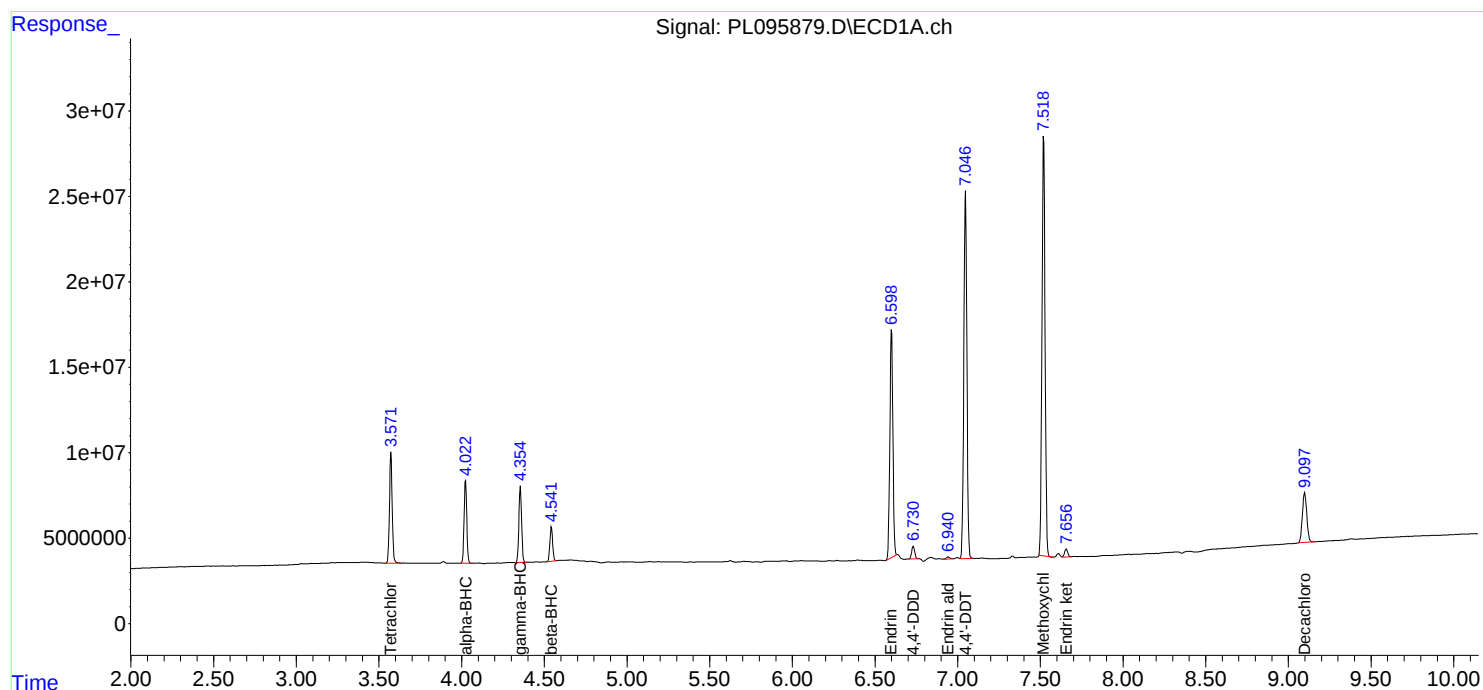
Instrument :
ECD_L
ClientSampleId :
PEM

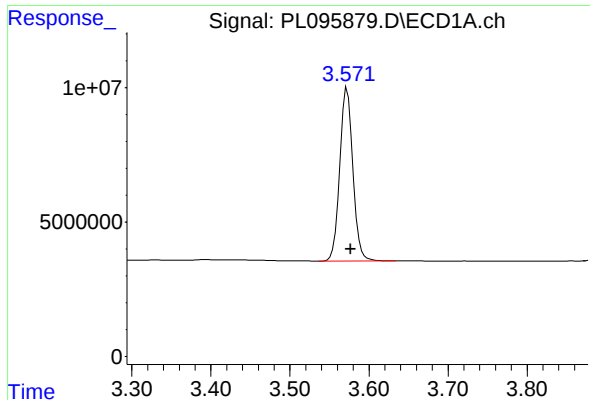
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/04/2025
Supervised By : mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:34:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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





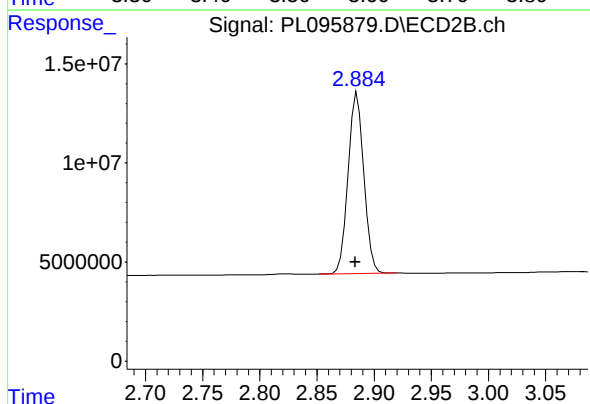
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 74521020
Conc: 23.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

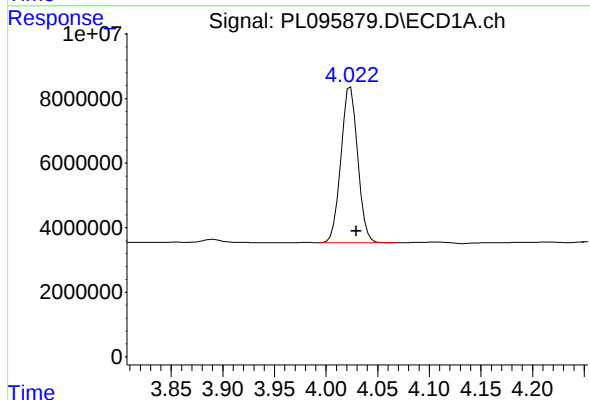
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



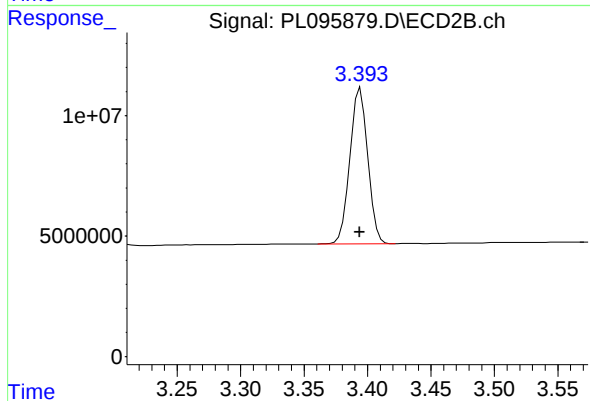
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 88129047
Conc: 22.52 ng/ml



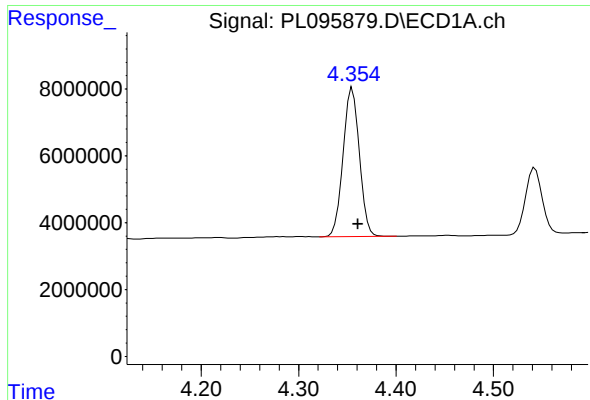
#2 alpha-BHC

R.T.: 4.024 min
Delta R.T.: -0.005 min
Response: 54521486
Conc: 11.25 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 63235251
Conc: 10.80 ng/ml



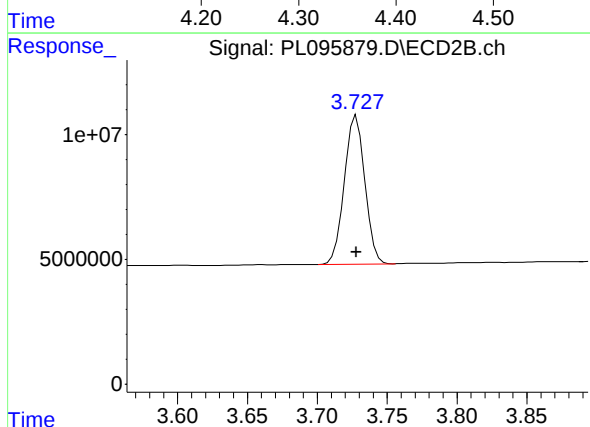
#3 gamma-BHC (Lindane)

R.T.: 4.355 min
Delta R.T.: -0.006 min
Response: 51575809
Conc: 11.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

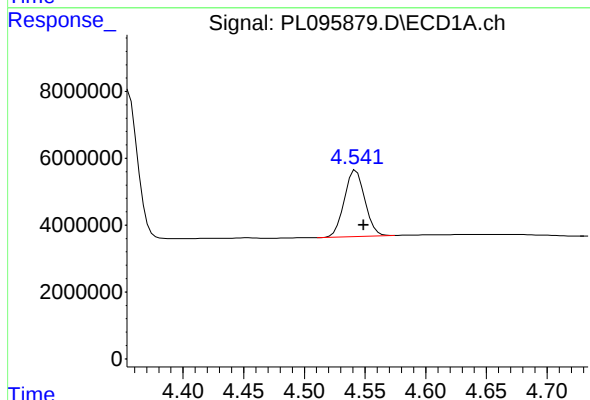
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



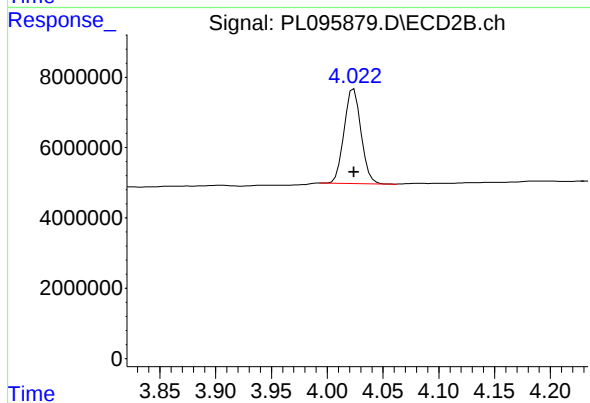
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: 0.000 min
Response: 61003492
Conc: 10.89 ng/ml



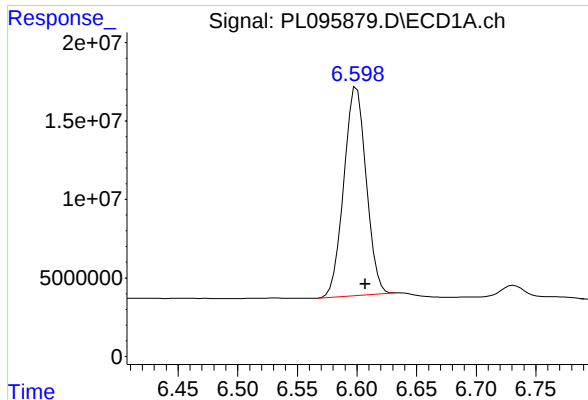
#6 beta-BHC

R.T.: 4.542 min
Delta R.T.: -0.006 min
Response: 23334848
Conc: 11.84 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 28321395
Conc: 11.43 ng/ml



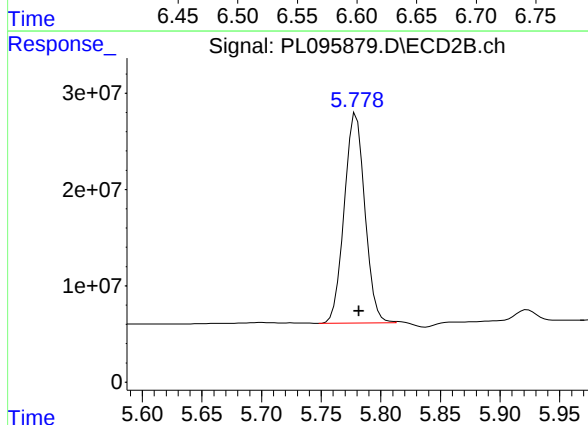
#14 Endrin

R.T.: 6.600 min
Delta R.T.: -0.007 min
Response: 173191892
Conc: 53.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

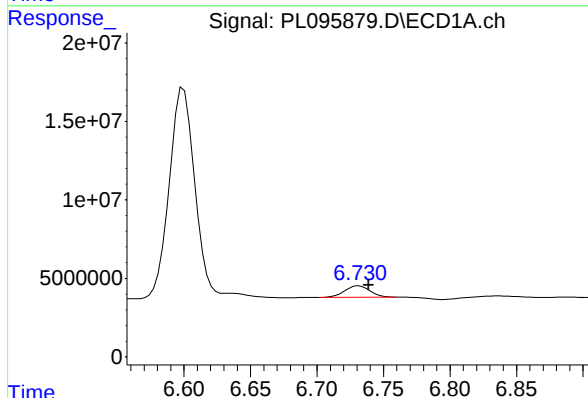
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



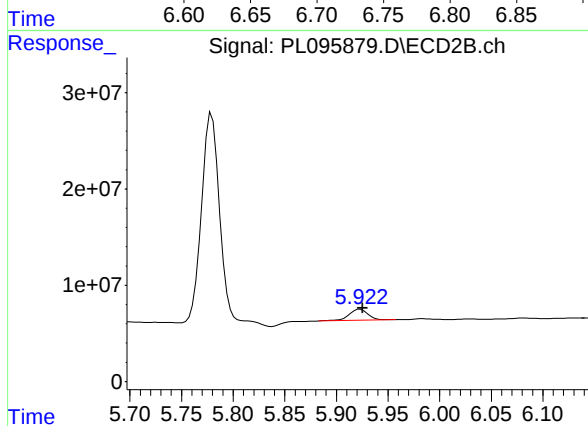
#14 Endrin

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 261983153
Conc: 53.73 ng/ml m



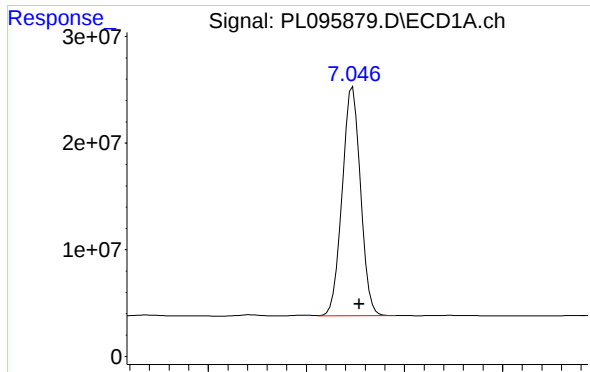
#16 4,4'-DDD

R.T.: 6.730 min
Delta R.T.: -0.008 min
Response: 9789523
Conc: 3.34 ng/ml m



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.002 min
Response: 14757683
Conc: 3.37 ng/ml



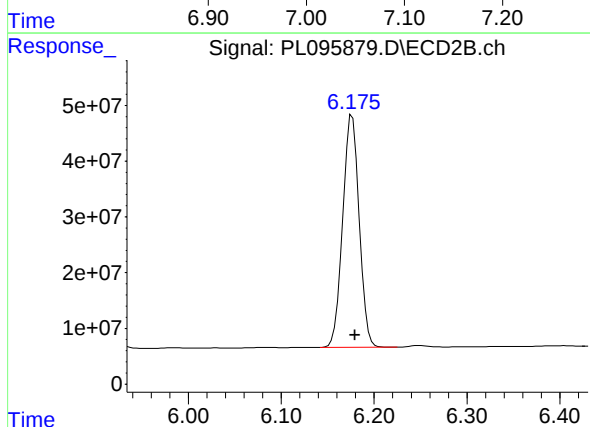
#17 4,4'-DDT

R.T.: 7.047 min
Delta R.T.: -0.007 min
Response: 278955780
Conc: 103.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

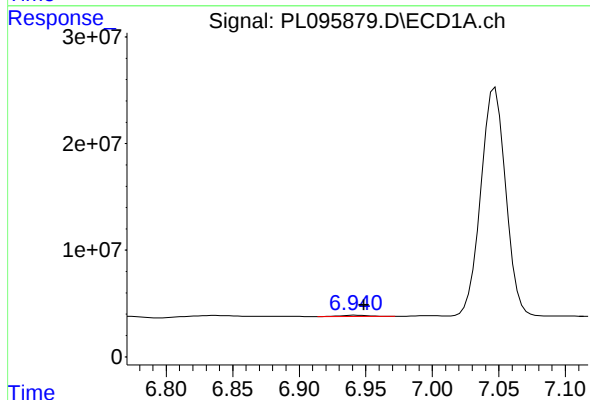
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



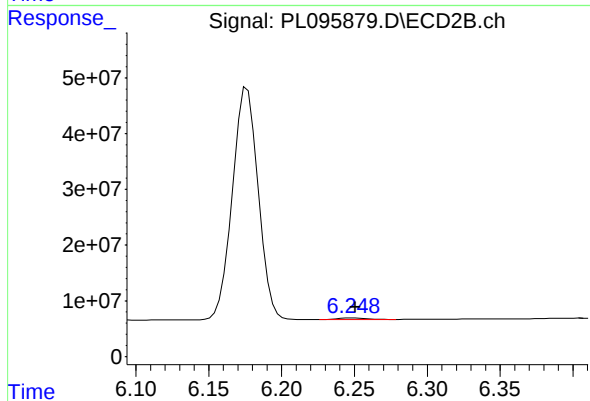
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.003 min
Response: 513776880
Conc: 107.43 ng/ml



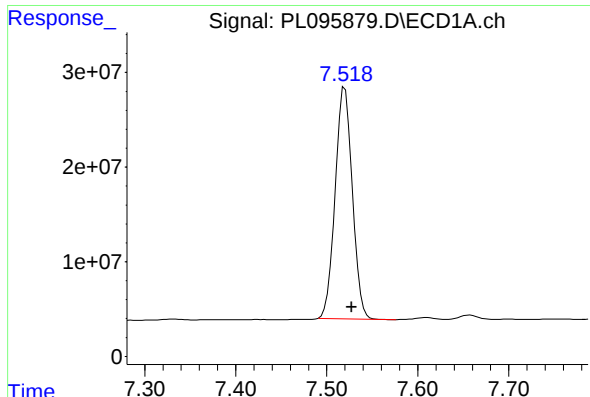
#18 Endrin aldehyde

R.T.: 6.940 min
Delta R.T.: -0.008 min
Response: 1770036
Conc: 0.73 ng/ml m



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.003 min
Response: 3784186
Conc: 1.10 ng/ml m



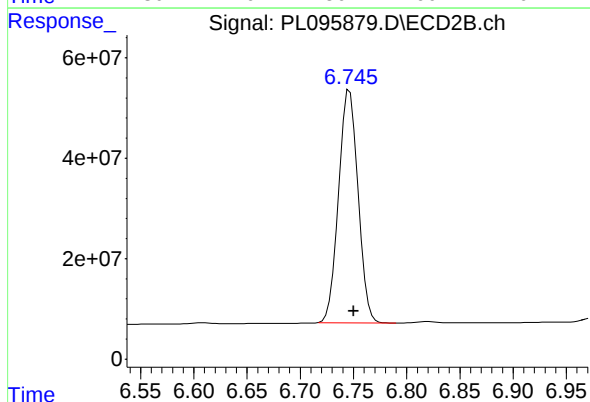
#20 Methoxychlor

R.T.: 7.520 min
Delta R.T.: -0.008 min
Response: 319878841
Conc: 250.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

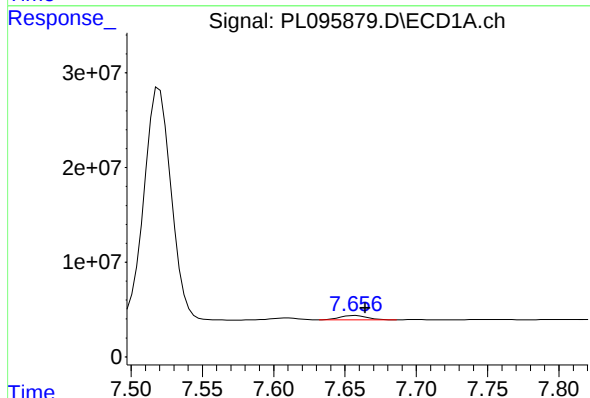
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



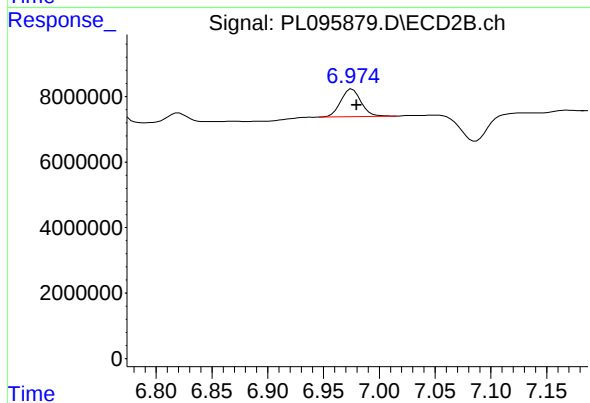
#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: -0.004 min
Response: 589211915
Conc: 225.22 ng/ml



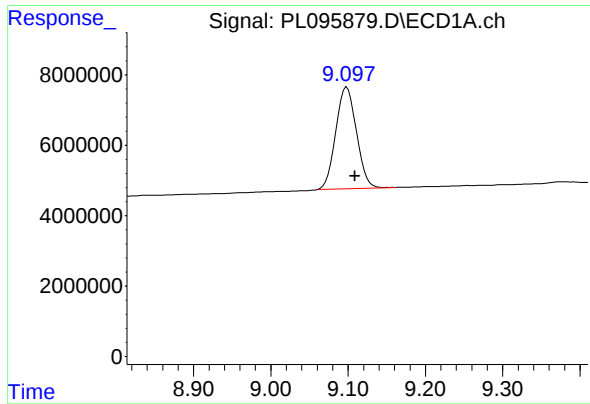
#21 Endrin ketone

R.T.: 7.657 min
Delta R.T.: -0.007 min
Response: 5996978
Conc: 1.89 ng/ml



#21 Endrin ketone

R.T.: 6.976 min
Delta R.T.: -0.004 min
Response: 10719898
Conc: 2.07 ng/ml



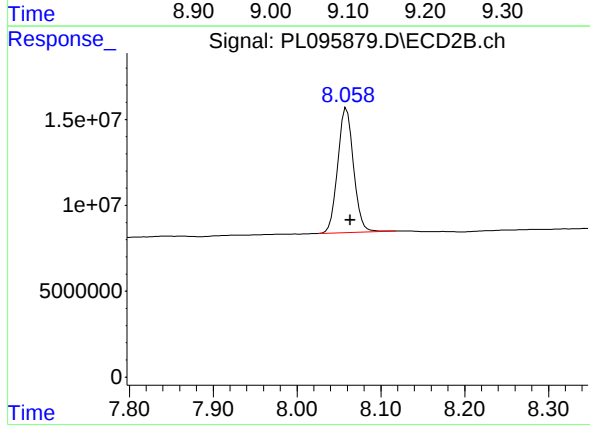
#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.011 min
Response: 53564425
Conc: 22.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.005 min
Response: 94943558
Conc: 21.70 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **PORT06**

Lab Code: **CHEM** Case No.: **Q2177** SAS No.: **Q2177** SDG NO.: **Q2177**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **05/21/2025** **05/21/2025**

Client Sample No. (PEM): **PEM - PL095906.D** Date Analyzed: **06/03/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **19:05**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.097	9.000	9.200	20.510	20.000	2.6
Tetrachloro-m-xylene	3.572	3.520	3.620	21.930	20.000	9.7
alpha-BHC	4.023	3.970	4.070	10.500	10.000	5.0
beta-BHC	4.542	4.490	4.590	10.910	10.000	9.1
gamma-BHC (Lindane)	4.355	4.300	4.410	10.780	10.000	7.8
Endrin	6.599	6.530	6.670	47.030	50.000	-5.9
4,4'-DDT	7.047	6.980	7.120	88.930	100.000	-11.1
Methoxychlor	7.520	7.450	7.590	217.930	250.000	-12.8

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **05/21/2025** **05/21/2025**

Client Sample No. (PEM): **PEM - PL095906.D** Date Analyzed: **06/03/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **19:05**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.059	7.960	8.160	20.740	20.000	3.7
Tetrachloro-m-xylene	2.885	2.830	2.940	22.340	20.000	11.7
alpha-BHC	3.395	3.340	3.450	10.690	10.000	6.9
beta-BHC	4.023	3.970	4.070	11.230	10.000	12.3
gamma-BHC (Lindane)	3.728	3.680	3.780	10.740	10.000	7.4
Endrin	5.778	5.710	5.850	50.300	50.000	0.6
4,4'-DDT	6.176	6.110	6.250	96.490	100.000	-3.5
Methoxychlor	6.746	6.680	6.820	208.620	250.000	-16.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
 Data File : PL095906.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 19:05
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 03:40:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.572	2.885	69185142	87433695	21.927	22.339
28) SA Decachlor...	9.097	8.059	48338812	90713539	20.514	20.737
Target Compounds						
2) A alpha-BHC	4.023	3.395	50922380	62632095	10.504	10.693
3) MA gamma-BHC...	4.355	3.728	48219947	60136092	10.783	10.736
6) B beta-BHC	4.542	4.023	21514879	27819732	10.914	11.229
12) B 4,4'-DDE	6.219	5.376	395494	816620	0.108m	0.152m#
14) MA Endrin	6.599	5.778	151.7E6	245.3E6	47.028	50.297m
16) A 4,4'-DDD	6.730	5.923	16951869	25129231	5.784m	5.731
17) MA 4,4'-DDT	7.047	6.176	240.6E6	461.5E6	88.932	96.488
18) B Endrin al...	6.940	6.248	2950872	5590456	1.221m	1.618 #
20) A Methoxychlor	7.520	6.746	277.9E6	545.8E6	217.934	208.623
21) B Endrin ke...	7.656	6.975	9663771	17712351	3.051	3.423

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095906.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 19:05
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

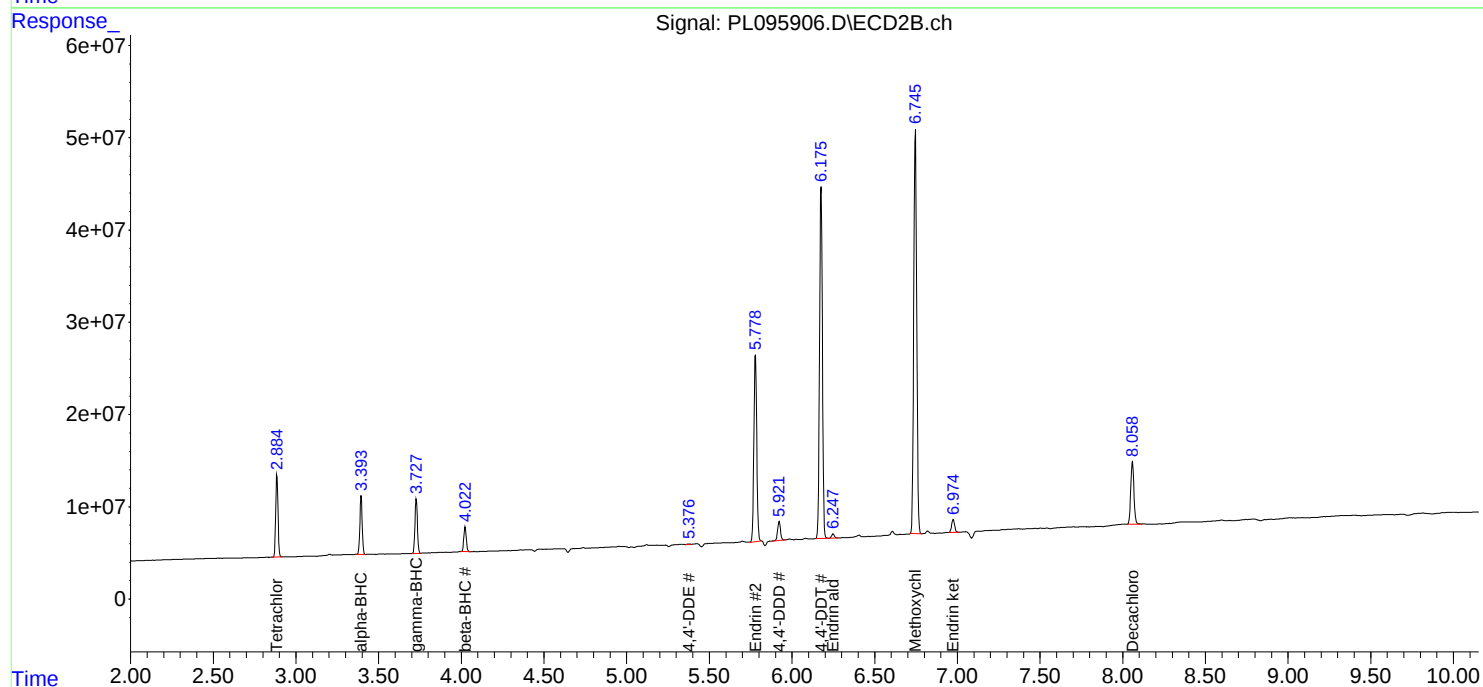
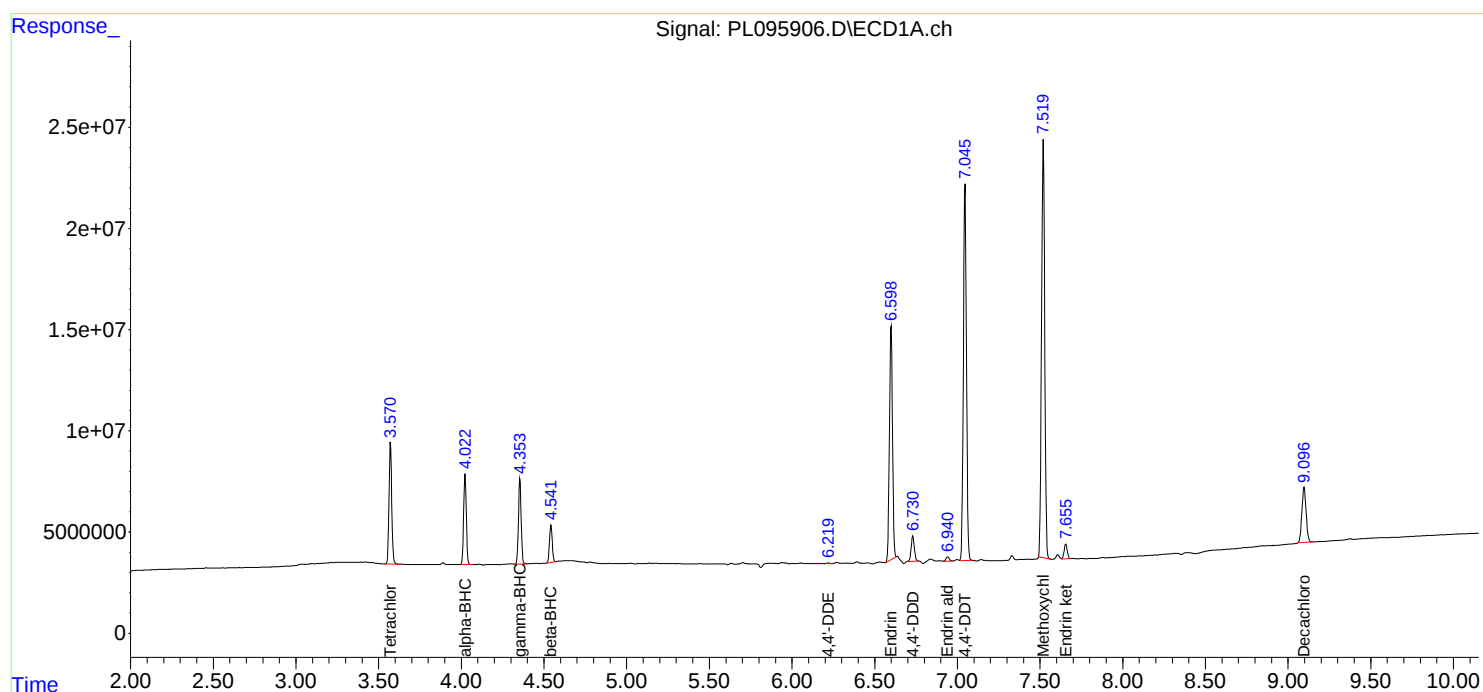
Instrument :
ECD_L
ClientSampleId :
PEM

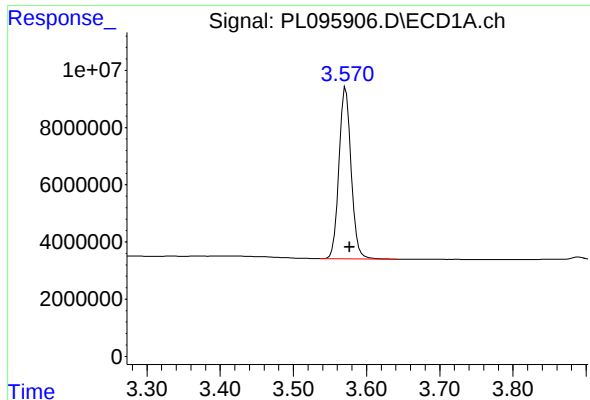
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/04/2025
Supervised By : mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:40:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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





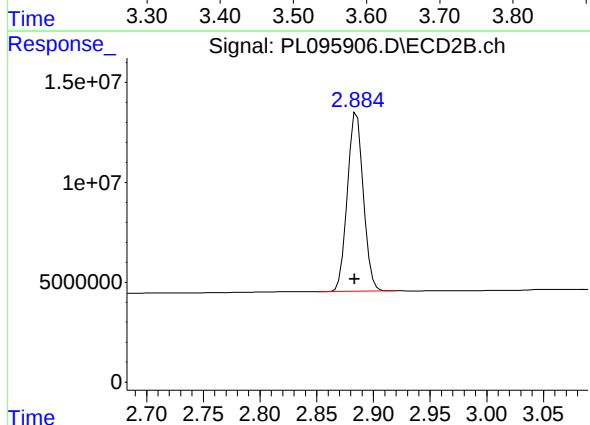
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 69185142
Conc: 21.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

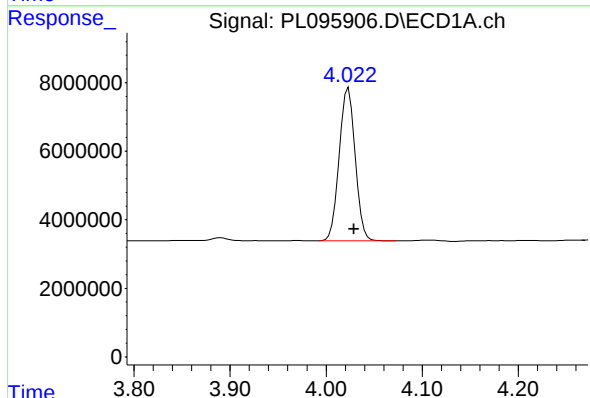
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



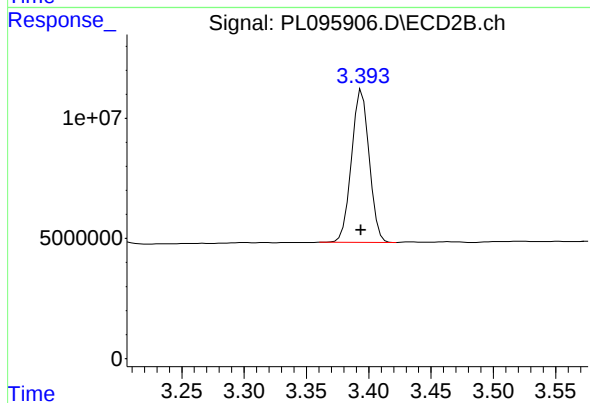
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 87433695
Conc: 22.34 ng/ml



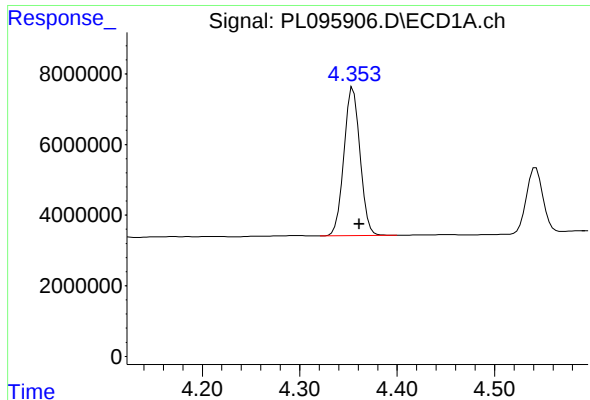
#2 alpha-BHC

R.T.: 4.023 min
Delta R.T.: -0.006 min
Response: 50922380
Conc: 10.50 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: 0.000 min
Response: 62632095
Conc: 10.69 ng/ml



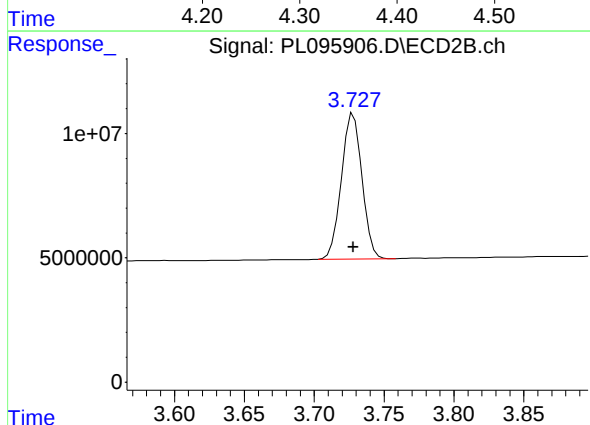
#3 gamma-BHC (Lindane)

R.T.: 4.355 min
Delta R.T.: -0.006 min
Response: 48219947
Conc: 10.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

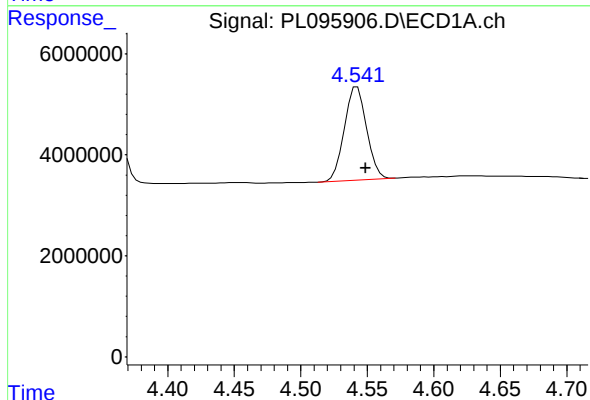
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



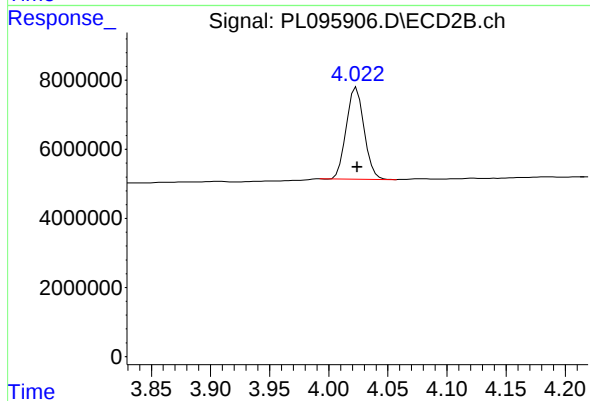
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: 0.000 min
Response: 60136092
Conc: 10.74 ng/ml



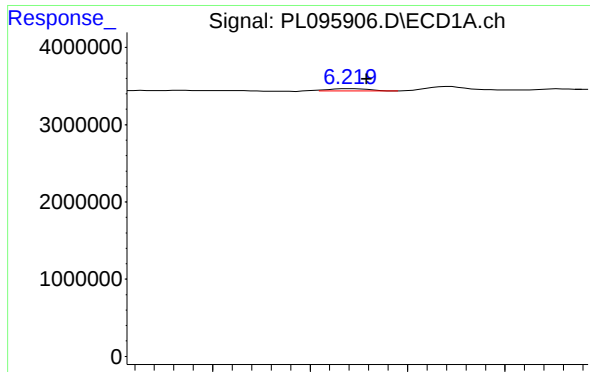
#6 beta-BHC

R.T.: 4.542 min
Delta R.T.: -0.006 min
Response: 21514879
Conc: 10.91 ng/ml



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 27819732
Conc: 11.23 ng/ml



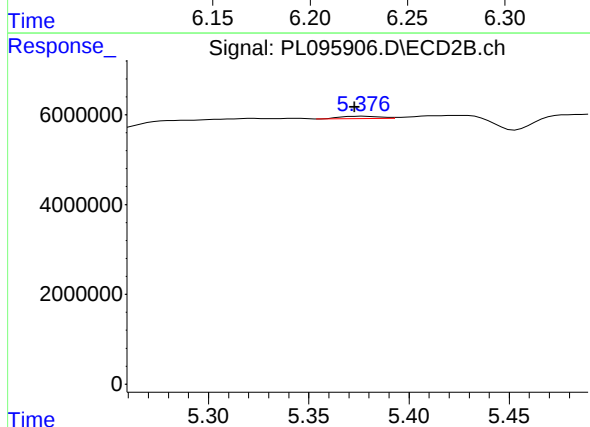
#12 4,4'-DDE

R.T.: 6.219 min
Delta R.T.: -0.010 min
Response: 395494
Conc: 0.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

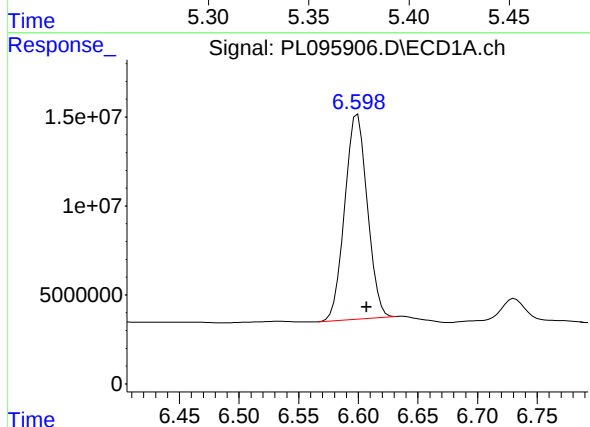
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



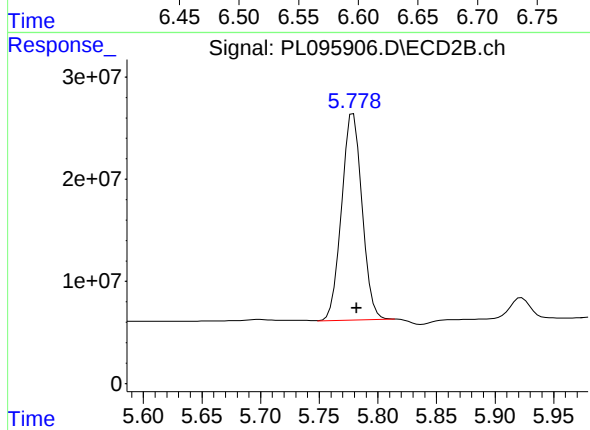
#12 4,4'-DDE

R.T.: 5.376 min
Delta R.T.: 0.003 min
Response: 816620
Conc: 0.15 ng/ml m



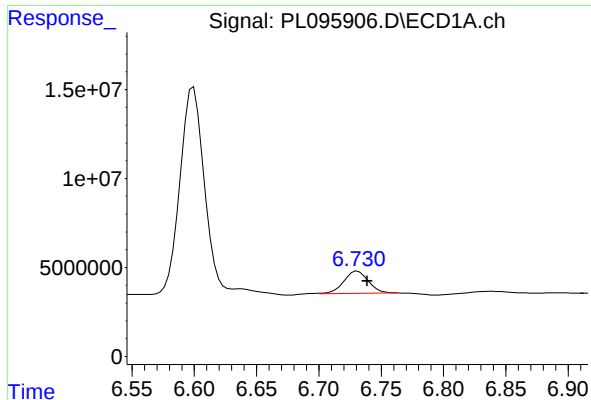
#14 Endrin

R.T.: 6.599 min
Delta R.T.: -0.008 min
Response: 151747549
Conc: 47.03 ng/ml



#14 Endrin

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 245251478
Conc: 50.30 ng/ml m



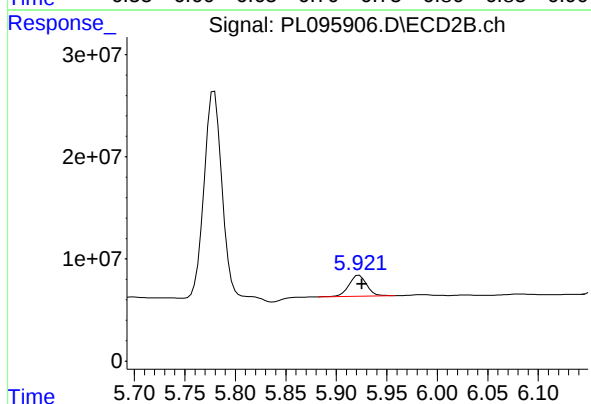
#16 4,4'-DDD

R.T.: 6.730 min
Delta R.T.: -0.009 min
Response: 16951869
Conc: 5.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

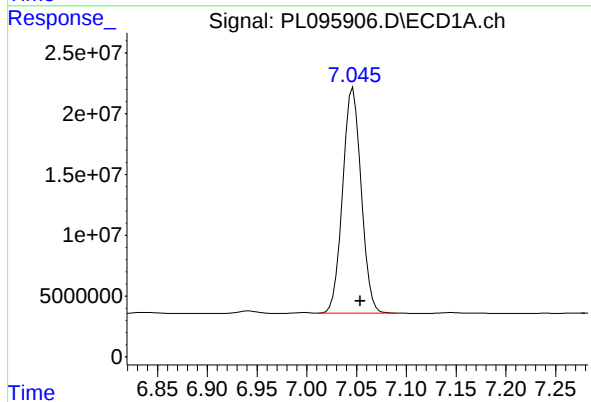
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



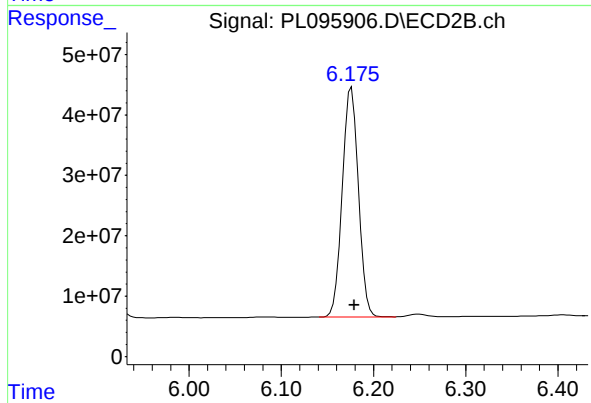
#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.003 min
Response: 25129231
Conc: 5.73 ng/ml



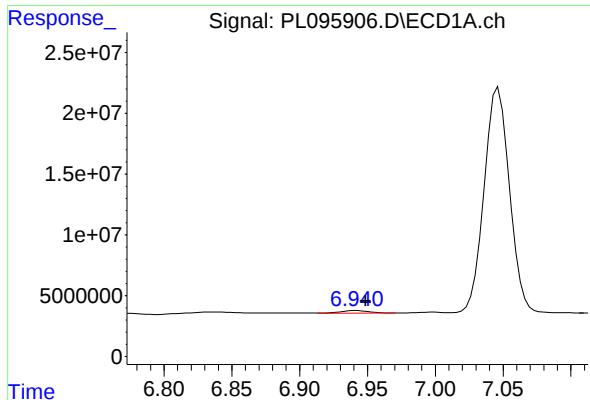
#17 4,4'-DDT

R.T.: 7.047 min
Delta R.T.: -0.007 min
Response: 240573918
Conc: 88.93 ng/ml



#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.003 min
Response: 461461904
Conc: 96.49 ng/ml



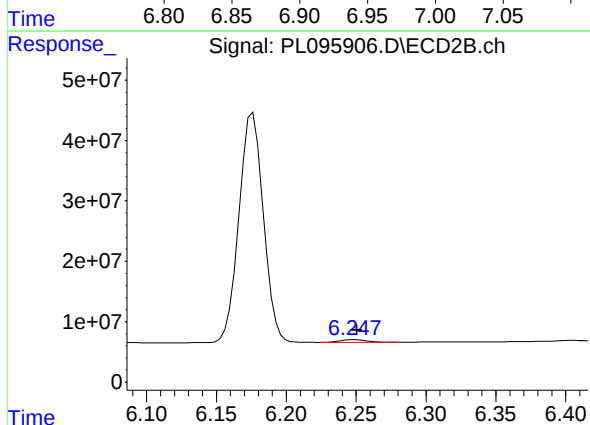
#18 Endrin aldehyde

R.T.: 6.940 min
Delta R.T.: -0.009 min
Response: 2950872
Conc: 1.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

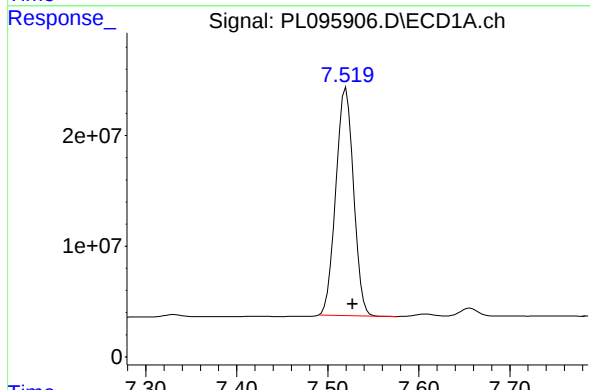
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



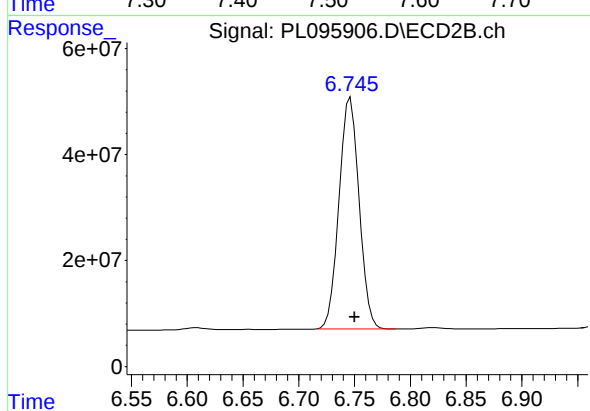
#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.002 min
Response: 5590456
Conc: 1.62 ng/ml



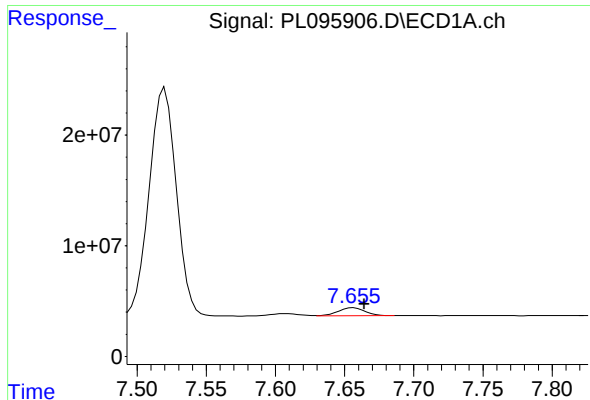
#20 Methoxychlor

R.T.: 7.520 min
Delta R.T.: -0.007 min
Response: 277936841
Conc: 217.93 ng/ml



#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: -0.004 min
Response: 545779968
Conc: 208.62 ng/ml



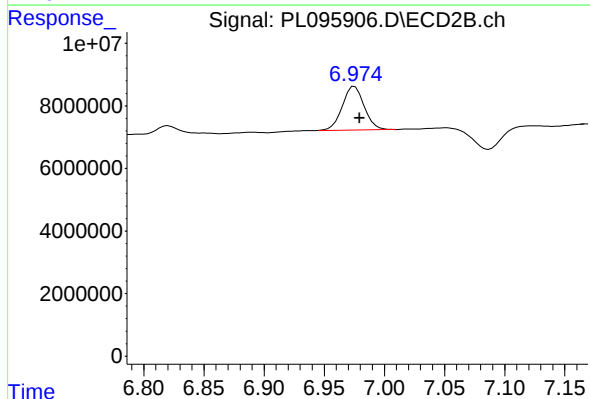
#21 Endrin ketone

R.T.: 7.656 min
Delta R.T.: -0.008 min
Response: 9663771
Conc: 3.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

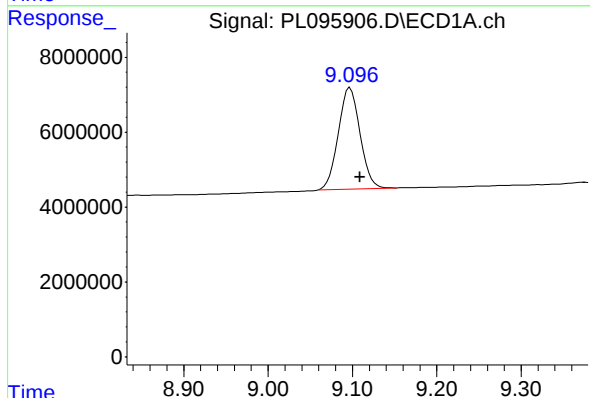
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



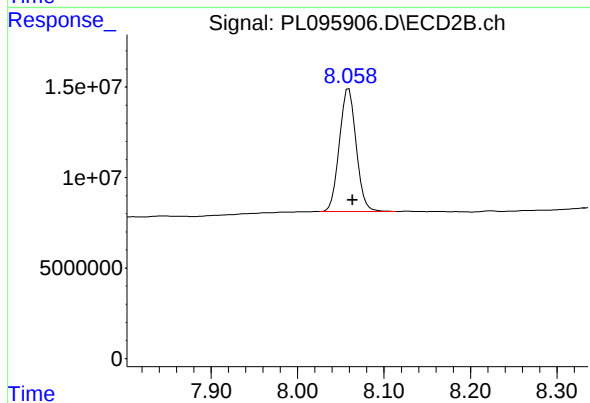
#21 Endrin ketone

R.T.: 6.975 min
Delta R.T.: -0.004 min
Response: 17712351
Conc: 3.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.097 min
Delta R.T.: -0.012 min
Response: 48338812
Conc: 20.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.005 min
Response: 90713539
Conc: 20.74 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **PORT06**

Lab Code: **CHEM** Case No.: **Q2177** SAS No.: **Q2177** SDG NO.: **Q2177**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **05/21/2025** **05/21/2025**

Client Sample No. (PEM): **PEM - PL095915.D** Date Analyzed: **06/04/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:12**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.118	9.020	9.220	21.910	20.000	9.6
Tetrachloro-m-xylene	3.592	3.540	3.640	22.900	20.000	14.5
alpha-BHC	4.043	3.990	4.090	10.840	10.000	8.4
beta-BHC	4.562	4.510	4.610	11.160	10.000	11.6
gamma-BHC (Lindane)	4.375	4.320	4.430	10.920	10.000	9.2
Endrin	6.619	6.550	6.690	50.980	50.000	2.0
4,4'-DDT	7.067	7.000	7.140	92.620	100.000	-7.4
Methoxychlor	7.540	7.470	7.610	233.190	250.000	-6.7

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **05/21/2025** **05/21/2025**

Client Sample No. (PEM): **PEM - PL095915.D** Date Analyzed: **06/04/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:12**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.059	7.960	8.160	21.610	20.000	8.1
Tetrachloro-m-xylene	2.885	2.830	2.940	21.850	20.000	9.3
alpha-BHC	3.394	3.340	3.440	10.420	10.000	4.2
beta-BHC	4.024	3.970	4.070	10.950	10.000	9.5
gamma-BHC (Lindane)	3.728	3.680	3.780	10.470	10.000	4.7
Endrin	5.778	5.710	5.850	51.550	50.000	3.1
4,4'-DDT	6.176	6.110	6.250	99.520	100.000	-0.5
Methoxychlor	6.747	6.680	6.820	211.480	250.000	-15.4

Data File: PEM
 PL095915.D Date Acquired 6/4/2025 11:12
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.62	164493239.4	175354438.3	10861199	6.19
Endrin aldehyde	6.96	2126866.894			
Endrin ketone	7.68	8734332.059			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.78	251365177.2	270014030.2	18648852.9	6.91
Endrin aldehyde #2	6.25	4235982.697			
Endrin ketone #2	6.98	14412870.24			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.07	250554676.5	267754262.1	17199585.6	6.42
4,4'-DDE	6.24	962694.213			
4,4'-DDD	6.75	16236891.38			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	475967091.7	504473006.7	28505915	5.65
4,4'-DDE #2	5.37	883478.109			
4,4'-DDD #2	5.92	27622436.89			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060425\
 Data File : PL095915.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 11:12
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 06/05/2025
 Supervised By : mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 05 01:41:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.592	2.885	72265857	85519323	22.903	21.850
28) SA Decachlor...	9.118	8.059	51626826	94520846	21.910	21.607
Target Compounds						
2) A alpha-BHC	4.043	3.394	52568723	61029495	10.844	10.419
3) MA gamma-BHC...	4.375	3.728	48843108	58621296	10.922	10.466
6) B beta-BHC	4.562	4.024	21992789	27125048	11.156	10.948
12) B 4,4'-DDE	6.242	5.375	962694	883478	0.262m	0.165m#
14) MA Endrin	6.619	5.778	164.5E6	251.4E6	50.978m	51.550m
16) A 4,4'-DDD	6.750	5.923	16236891	27622437	5.540m	6.299
17) MA 4,4'-DDT	7.067	6.176	250.6E6	476.0E6	92.622	99.521
18) B Endrin al...	6.960	6.249	2126867	4235983	0.880m	1.226 #
20) A Methoxychlor	7.540	6.747	297.4E6	553.3E6	233.188	211.484
21) B Endrin ke...	7.676	6.976	8734332	14412870	2.758	2.786

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060425\
Data File : PL095915.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 11:12
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

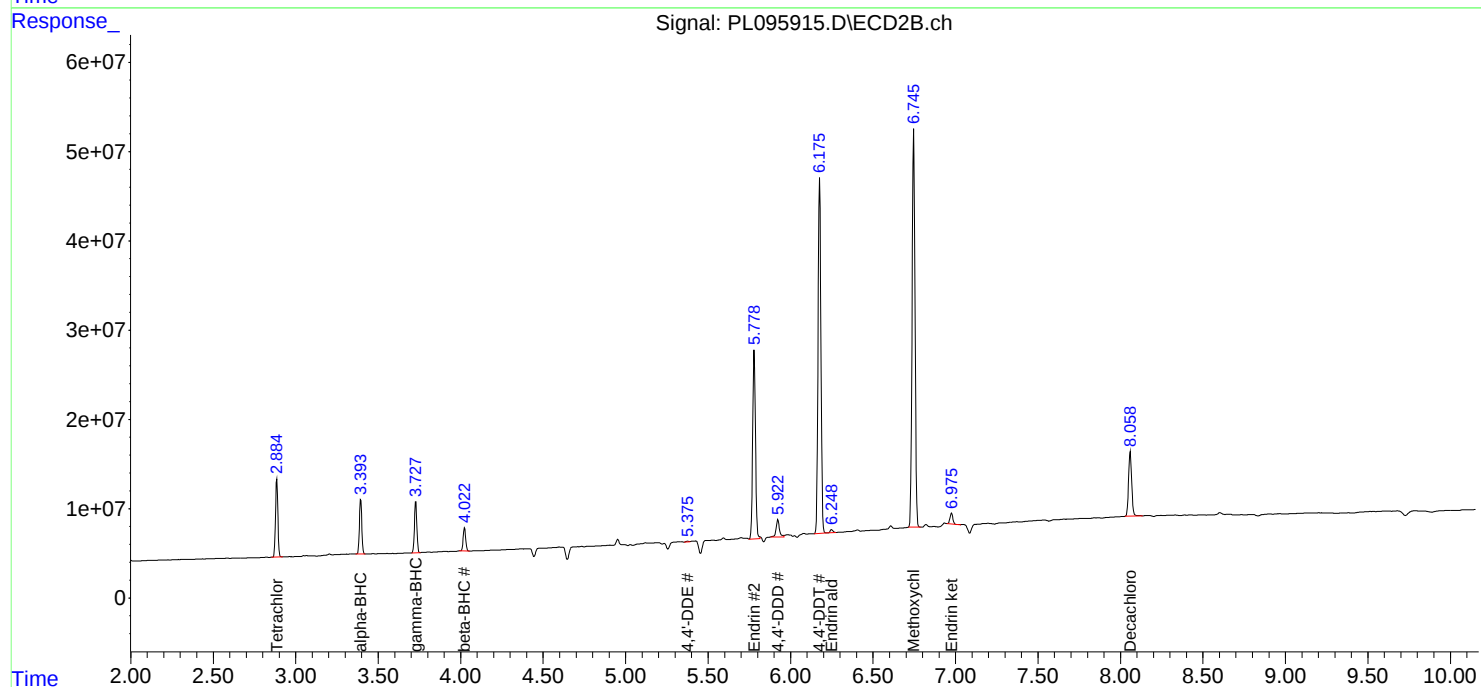
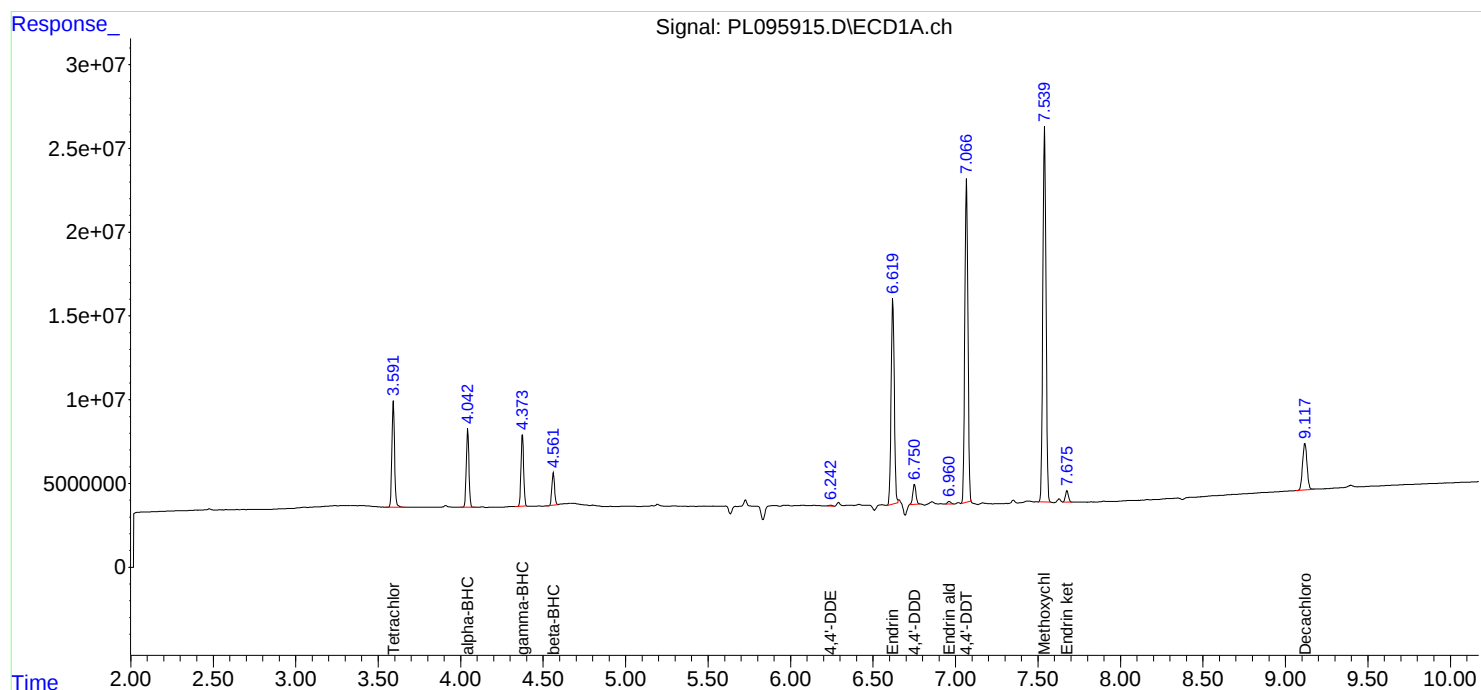
Instrument :
ECD_L
ClientSampleId :
PEM

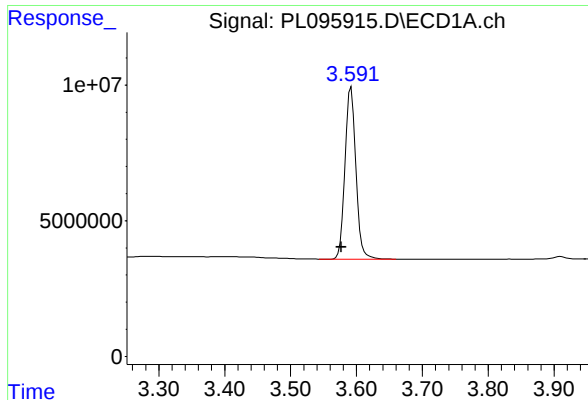
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/05/2025
Supervised By : mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:41:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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





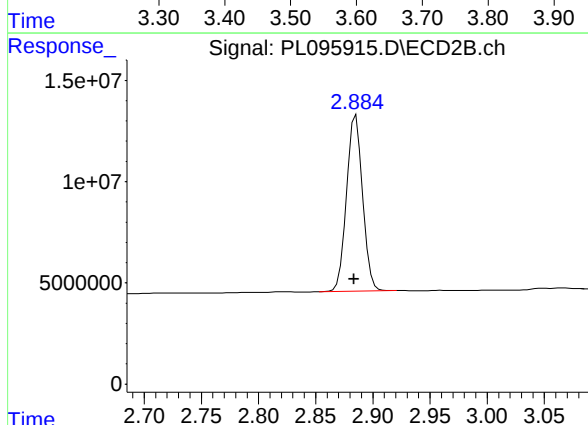
#1 Tetrachloro-m-xylene

R.T.: 3.592 min
Delta R.T.: 0.015 min
Response: 72265857
Conc: 22.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

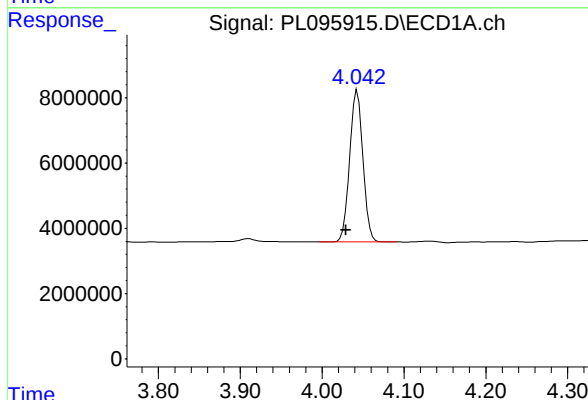
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



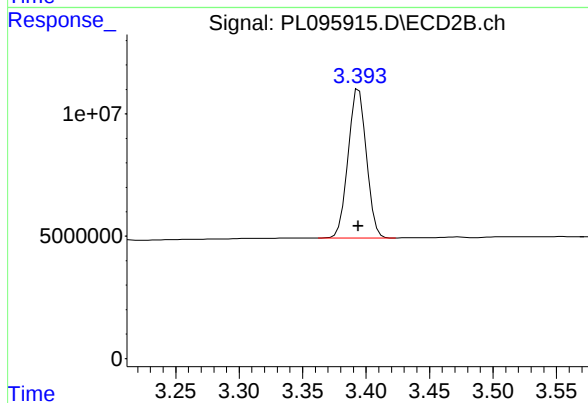
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 85519323
Conc: 21.85 ng/ml



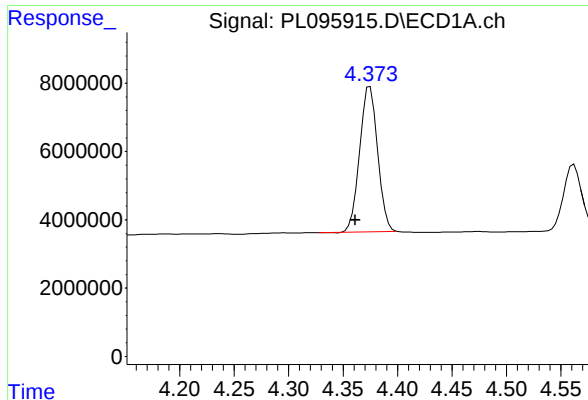
#2 alpha-BHC

R.T.: 4.043 min
Delta R.T.: 0.014 min
Response: 52568723
Conc: 10.84 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 61029495
Conc: 10.42 ng/ml



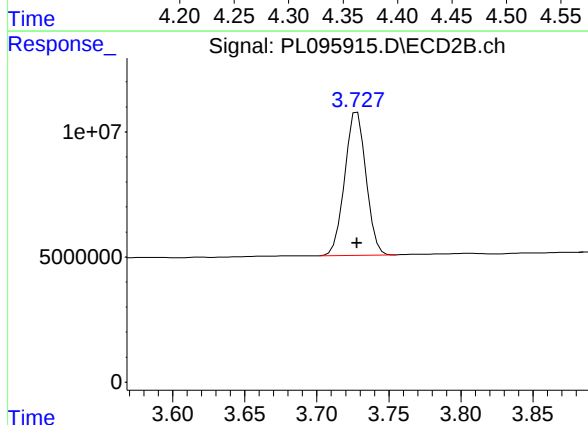
#3 gamma-BHC (Lindane)

R.T.: 4.375 min
Delta R.T.: 0.013 min
Response: 48843108
Conc: 10.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

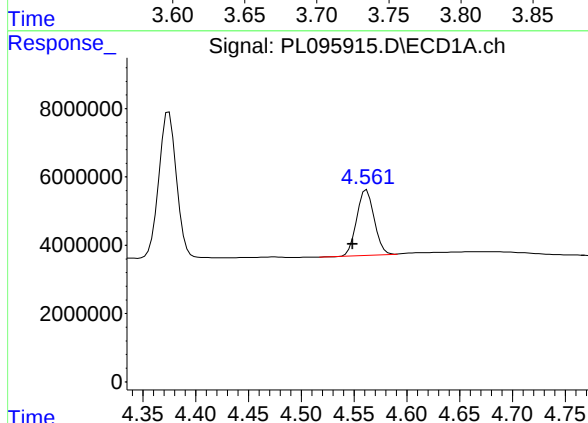
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



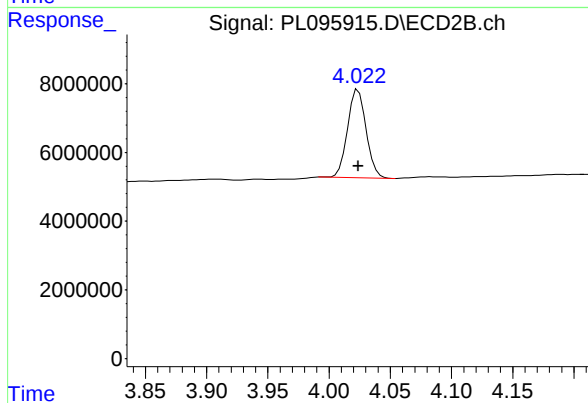
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: 0.000 min
Response: 58621296
Conc: 10.47 ng/ml



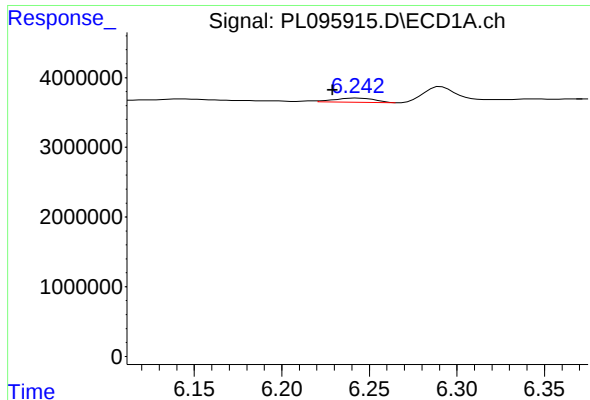
#6 beta-BHC

R.T.: 4.562 min
Delta R.T.: 0.013 min
Response: 21992789
Conc: 11.16 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 27125048
Conc: 10.95 ng/ml



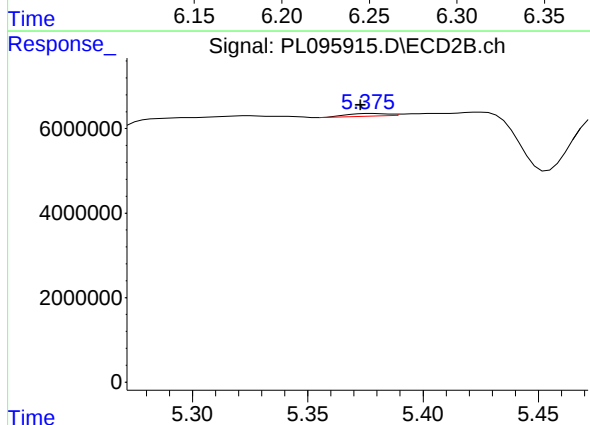
#12 4,4'-DDE

R.T.: 6.242 min
Delta R.T.: 0.013 min
Response: 962694
Conc: 0.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

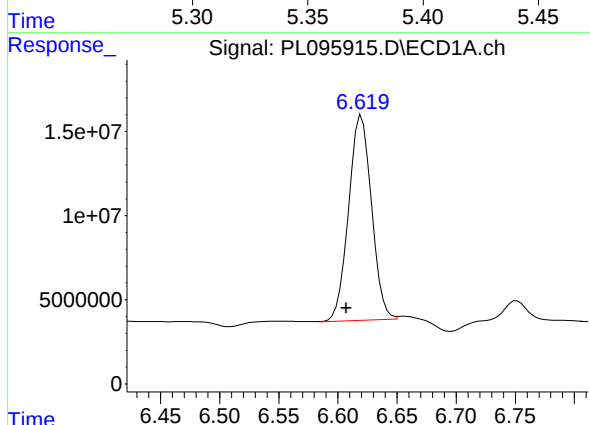
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



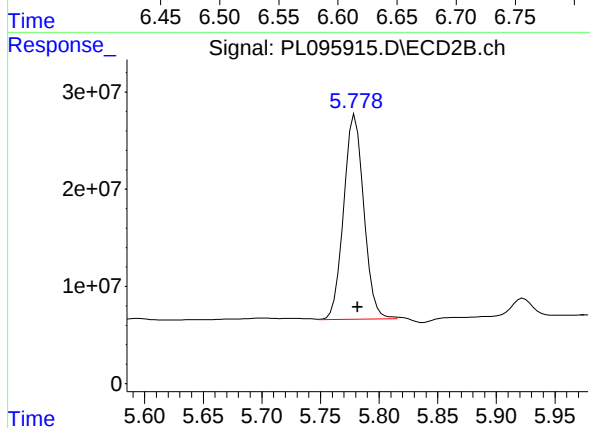
#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: 0.002 min
Response: 883478
Conc: 0.16 ng/ml m



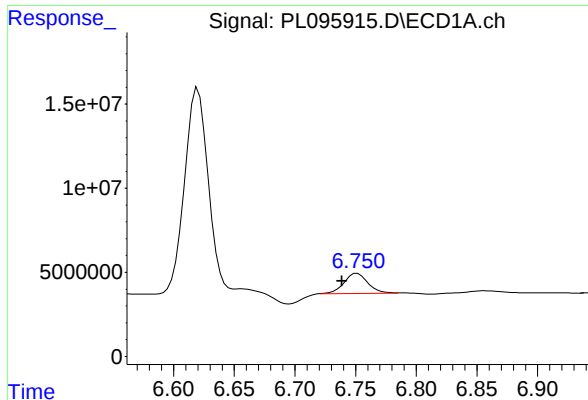
#14 Endrin

R.T.: 6.619 min
Delta R.T.: 0.012 min
Response: 164493239
Conc: 50.98 ng/ml m



#14 Endrin

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 251365177
Conc: 51.55 ng/ml m



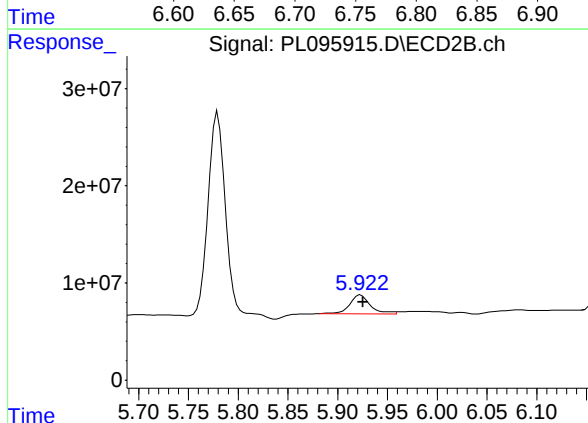
#16 4,4'-DDD

R.T.: 6.750 min
Delta R.T.: 0.011 min
Response: 16236891
Conc: 5.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

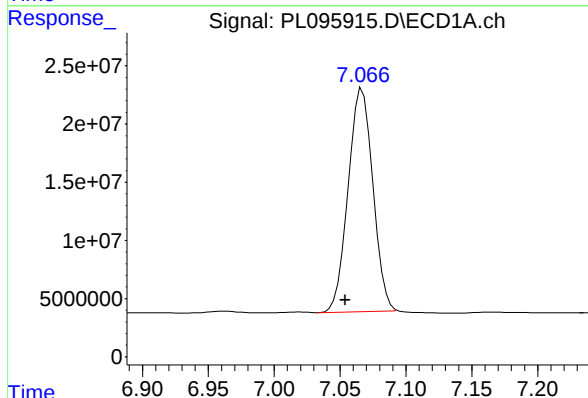
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



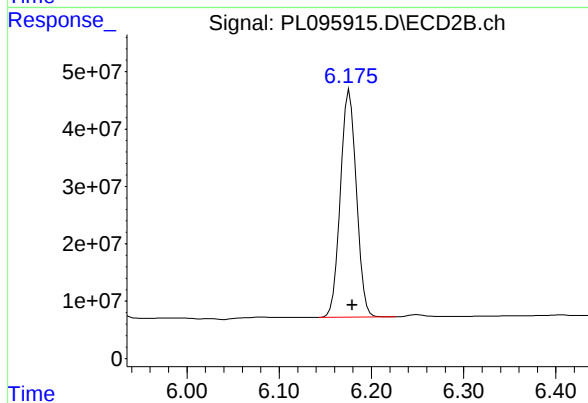
#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.002 min
Response: 27622437
Conc: 6.30 ng/ml



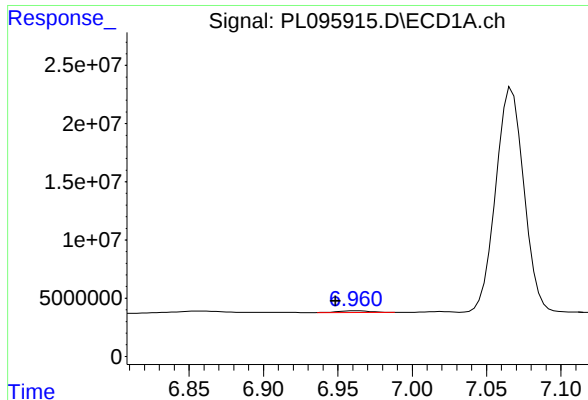
#17 4,4'-DDT

R.T.: 7.067 min
Delta R.T.: 0.013 min
Response: 250554677
Conc: 92.62 ng/ml



#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.003 min
Response: 475967092
Conc: 99.52 ng/ml



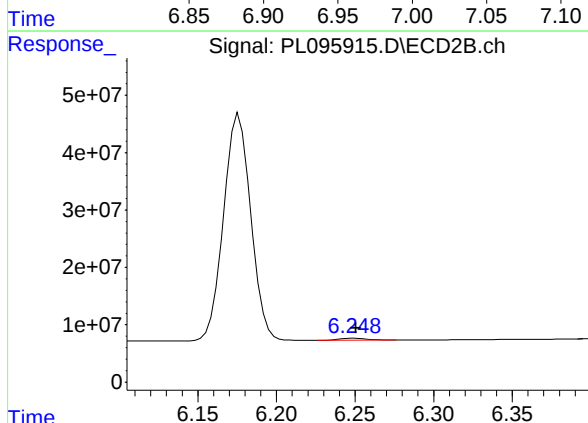
#18 Endrin aldehyde

R.T.: 6.960 min
Delta R.T.: 0.012 min
Response: 2126867
Conc: 0.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

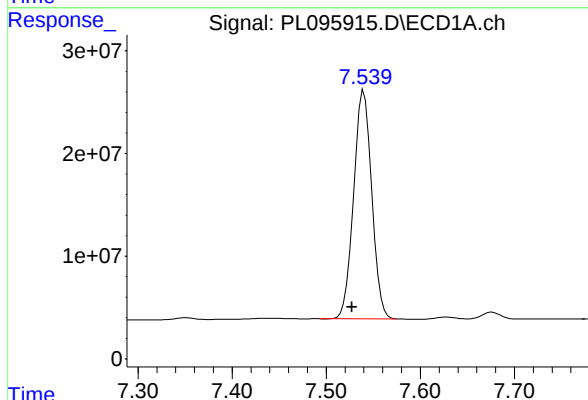
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



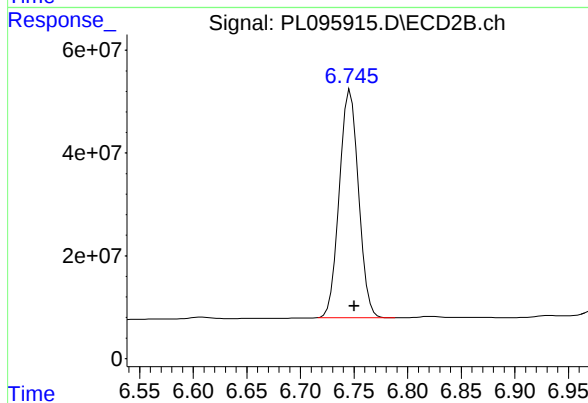
#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.001 min
Response: 4235983
Conc: 1.23 ng/ml



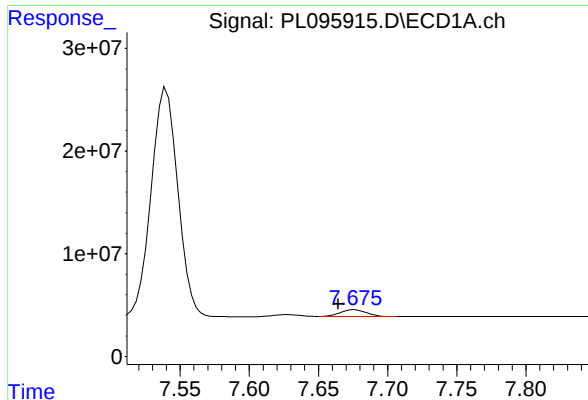
#20 Methoxychlor

R.T.: 7.540 min
Delta R.T.: 0.013 min
Response: 297390515
Conc: 233.19 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.004 min
Response: 553264599
Conc: 211.48 ng/ml



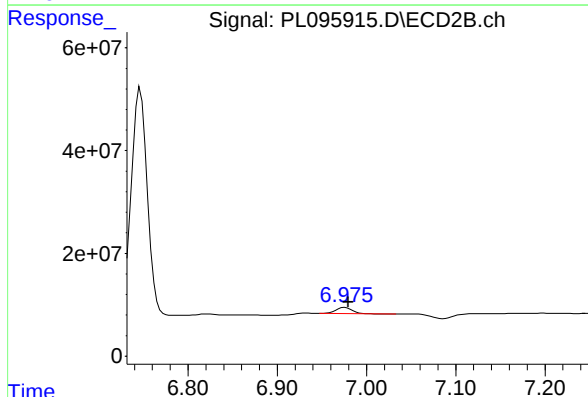
#21 Endrin ketone

R.T.: 7.676 min
Delta R.T.: 0.012 min
Response: 8734332
Conc: 2.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

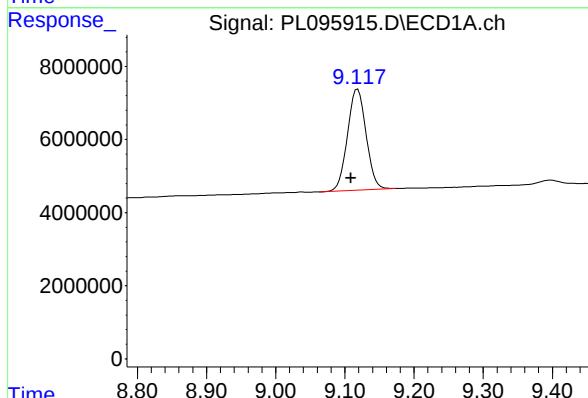
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



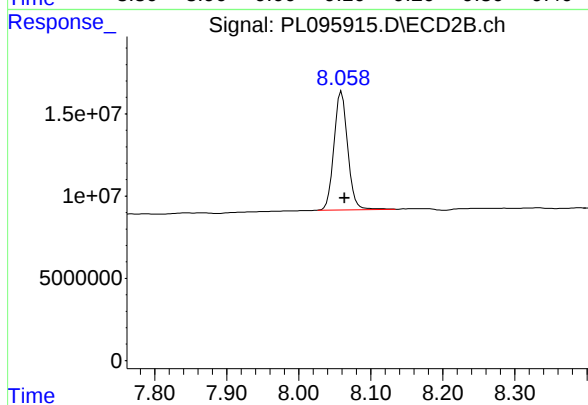
#21 Endrin ketone

R.T.: 6.976 min
Delta R.T.: -0.004 min
Response: 14412870
Conc: 2.79 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.118 min
Delta R.T.: 0.009 min
Response: 51626826
Conc: 21.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 94520846
Conc: 21.61 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095734.D
Acq On : 21 May 2025 11:14
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\PL052125.M
Title : GC Extractables
Last Update : Thu May 22 06:29:30 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.573	5.972	100.00%
5.972	6.101	100.00%
6.101	6.224	100.00%
6.224	6.374	100.00%
6.374	7.178	100.00%
7.178	7.522	100.00%
7.522	7.659	100.00%
7.659	9.103	100.00%

Signal #2

2.886	5.123	100.00%
5.123	5.243	100.00%
5.243	5.374	100.00%
5.374	5.508	100.00%
5.508	6.475	100.00%
6.475	6.751	100.00%
6.751	6.980	100.00%
6.980	8.064	100.00%

PL052125.M Thu May 22 06:45:23 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
 Data File : PL095734.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 11:14
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 RESCHK

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/22/2025
 Supervised By : mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 06:32:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.573	2.886	60022861	73415307	19.023	18.757
28)	SA Decachlor...	9.103	8.064	45572921	81946227	19.341	18.733
Target Compounds							
9)	A Endosulfan I	6.101	5.241	31518593	40595374	8.600	8.520m
10)	B gamma-Chl...	5.972	5.123	35297875	47615649	9.069	9.065
12)	B 4,4'-DDE	6.224	5.374	68142524	100.3E6	18.578	18.705
13)	MA Dieldrin	6.374	5.508	70647803	96307968	18.306	18.171
19)	B Endosulfa...	7.178	6.475	56140155	83285792	18.795	18.530
20)	A Methoxychlor	7.522	6.751	116.9E6	235.1E6	91.656	89.874
21)	B Endrin ke...	7.658	6.980	58357832	95098278	18.427m	18.380

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095734.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 11:14
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

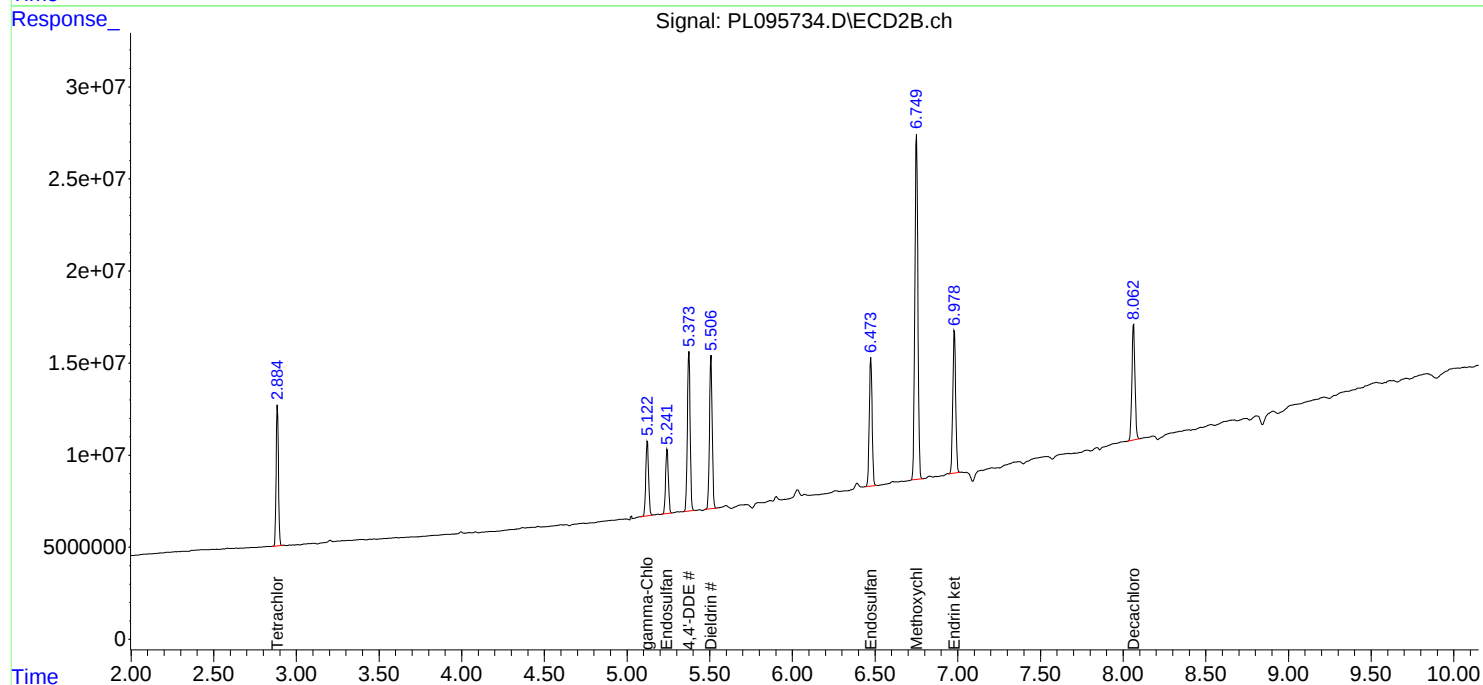
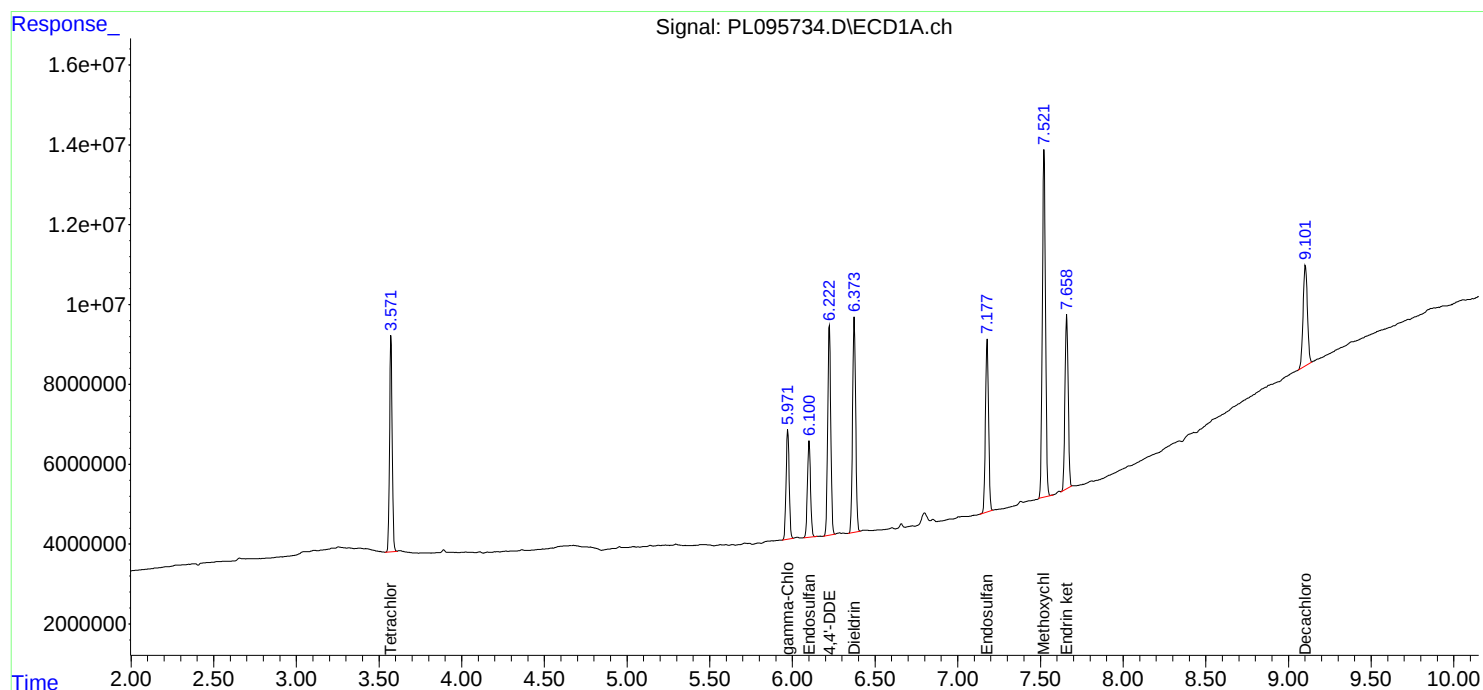
Instrument :
ECD_L
ClientSampleId :
RESCHK

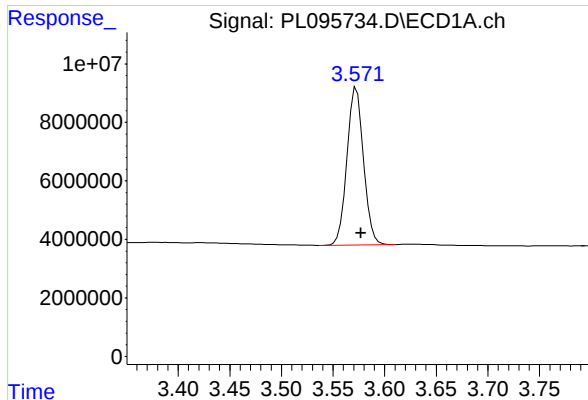
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/22/2025
Supervised By : mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:32:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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





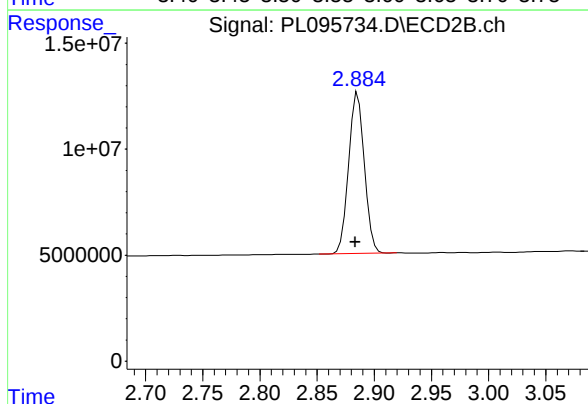
#1 Tetrachloro-m-xylene

R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 60022861
Conc: 19.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

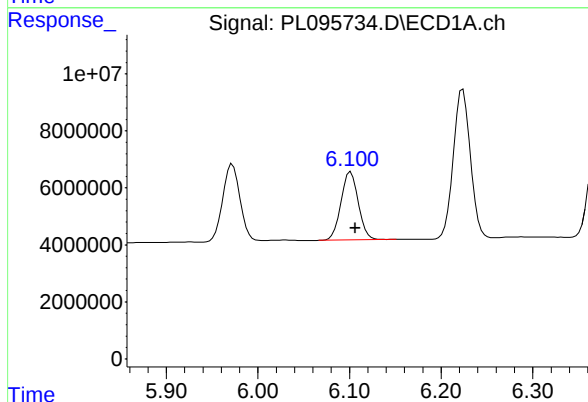
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



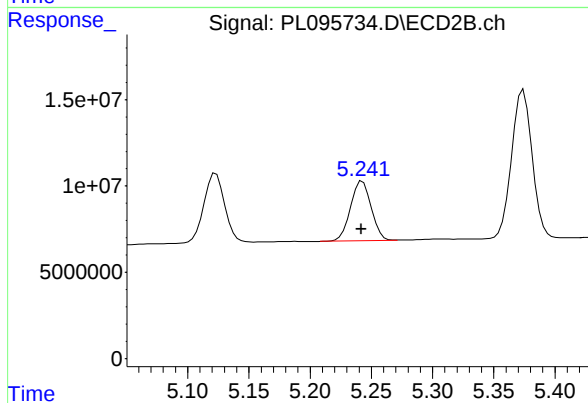
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 73415307
Conc: 18.76 ng/ml



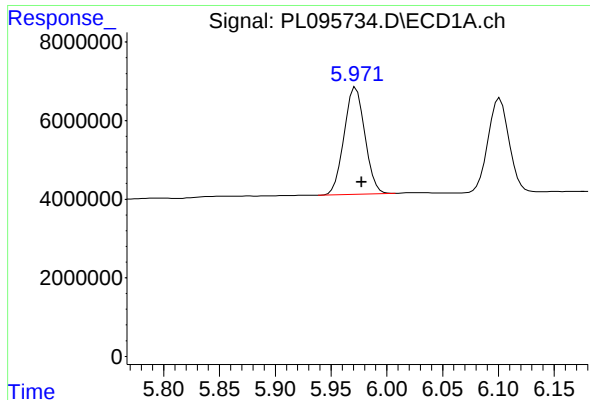
#9 Endosulfan I

R.T.: 6.101 min
Delta R.T.: -0.005 min
Response: 31518593
Conc: 8.60 ng/ml



#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 40595374
Conc: 8.52 ng/ml m



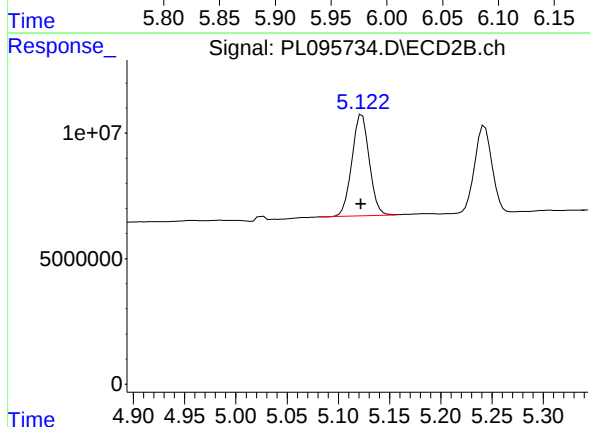
#10 gamma-Chlordane

R.T.: 5.972 min
Delta R.T.: -0.005 min
Response: 35297875
Conc: 9.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

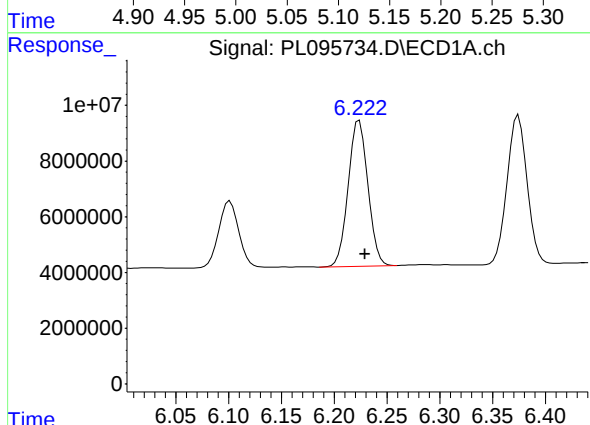
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



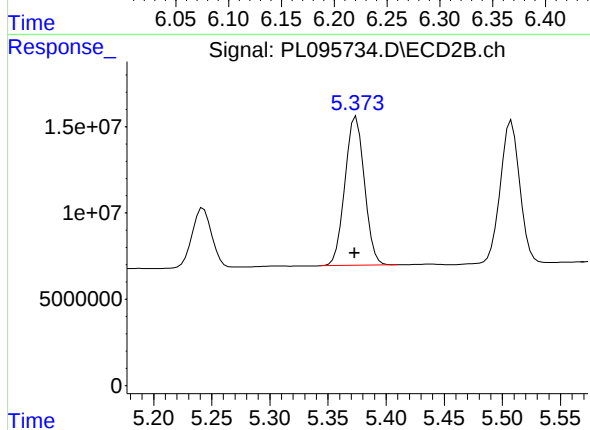
#10 gamma-Chlordane

R.T.: 5.123 min
Delta R.T.: 0.001 min
Response: 47615649
Conc: 9.06 ng/ml



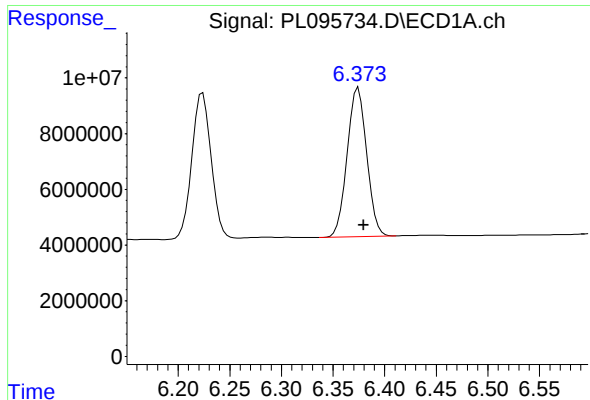
#12 4,4'-DDE

R.T.: 6.224 min
Delta R.T.: -0.005 min
Response: 68142524
Conc: 18.58 ng/ml



#12 4,4'-DDE

R.T.: 5.374 min
Delta R.T.: 0.001 min
Response: 100301192
Conc: 18.71 ng/ml



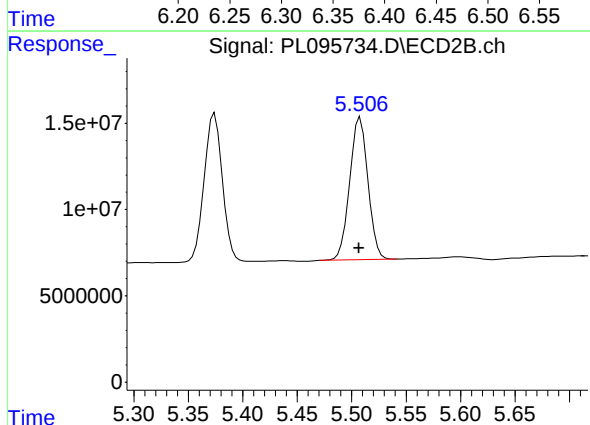
#13 Dieldrin

R.T.: 6.374 min
Delta R.T.: -0.005 min
Response: 70647803
Conc: 18.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

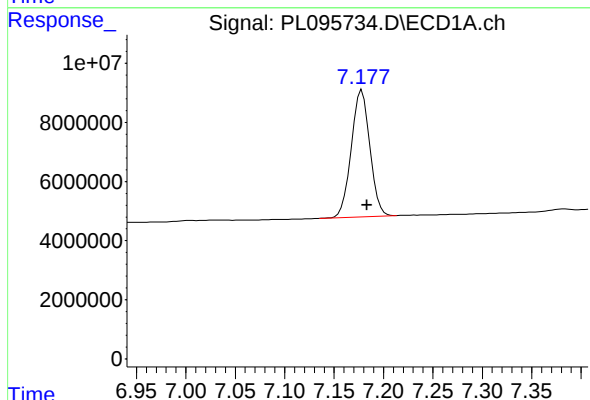
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



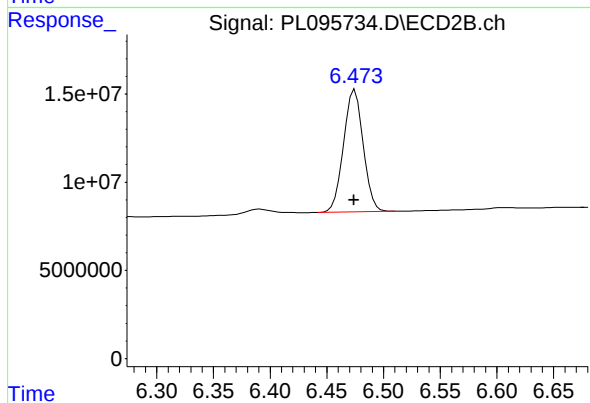
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.001 min
Response: 96307968
Conc: 18.17 ng/ml



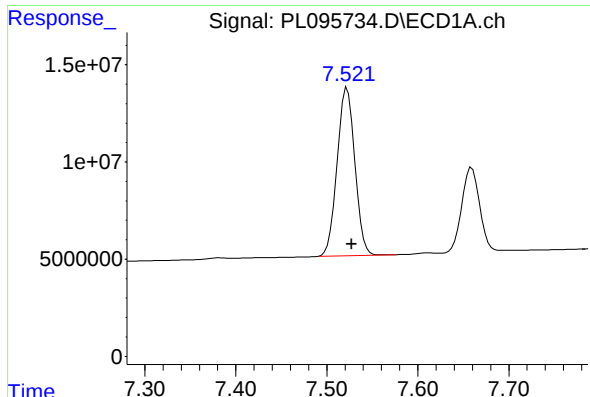
#19 Endosulfan Sulfate

R.T.: 7.178 min
Delta R.T.: -0.005 min
Response: 56140155
Conc: 18.80 ng/ml



#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: 0.000 min
Response: 83285792
Conc: 18.53 ng/ml



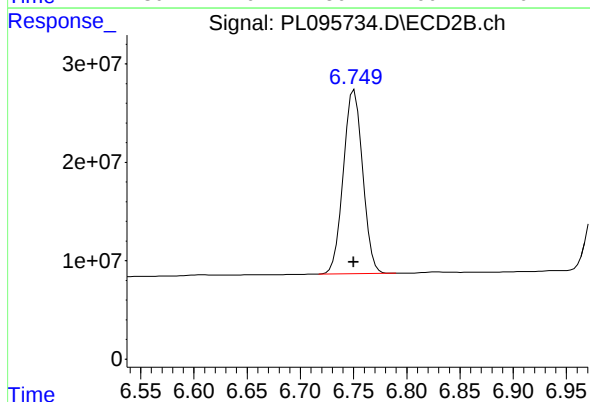
#20 Methoxychlor

R.T.: 7.522 min
Delta R.T.: -0.005 min
Response: 116890687
Conc: 91.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

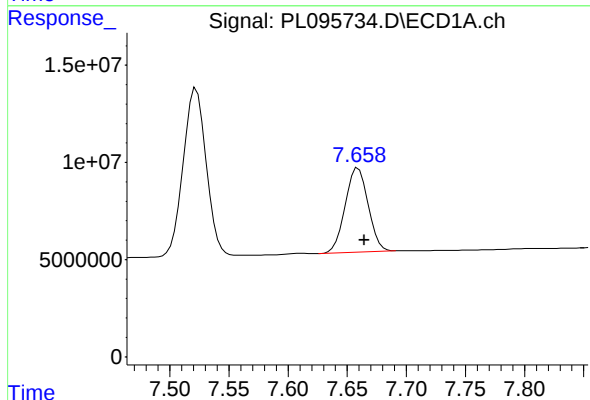
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



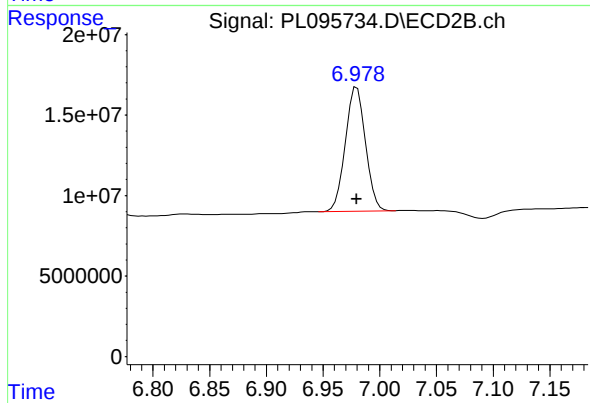
#20 Methoxychlor

R.T.: 6.751 min
Delta R.T.: 0.000 min
Response: 235119073
Conc: 89.87 ng/ml



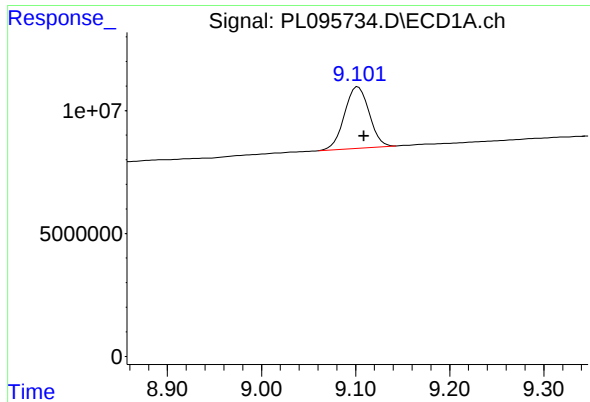
#21 Endrin ketone

R.T.: 7.658 min
Delta R.T.: -0.006 min
Response: 58357832
Conc: 18.43 ng/ml m



#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: 0.000 min
Response: 95098278
Conc: 18.38 ng/ml



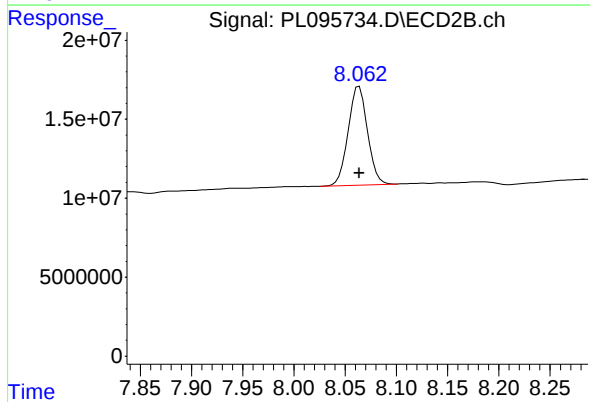
#28 Decachlorobiphenyl

R.T.: 9.103 min
Delta R.T.: -0.006 min
Response: 45572921
Conc: 19.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 81946227
Conc: 18.73 ng/ml

Analytical Sequence

Client: Portal Partners Tri-Venture

SDG No.: Q2177

Project: Amtrak Sawtooth Bridges 2025

Instrument ID: ECD_L

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 05/21/2025 05/21/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	05/21/2025	10:47	PL095732.D	9.10	3.57
PEM	PEM	05/21/2025	11:01	PL095733.D	9.10	3.57
RESCHK	RESCHK	05/21/2025	11:14	PL095734.D	9.10	3.57
PSTDICCC100	PSTDICCC100	05/21/2025	11:35	PL095735.D	9.11	3.58
PSTDICCC075	PSTDICCC075	05/21/2025	11:48	PL095736.D	9.10	3.57
PSTDICCC050	PSTDICCC050	05/21/2025	12:02	PL095737.D	9.10	3.57
PSTDICCC025	PSTDICCC025	05/21/2025	12:15	PL095738.D	9.10	3.57
PSTDICCC005	PSTDICCC005	05/21/2025	12:29	PL095739.D	9.10	3.57
PCHLORICC500	PCHLORICC500	05/21/2025	13:10	PL095742.D	9.10	3.57
PTOXICC500	PTOXICC500	05/21/2025	14:18	PL095747.D	9.10	3.57
PEM	PEM	06/03/2025	09:42	PL095879.D	9.10	3.57
IBLK	IBLK	06/03/2025	16:48	PL095896.D	9.10	3.57
PSTDCCC050	PSTDCCC050	06/03/2025	17:01	PL095897.D	9.10	3.57
OR-400-CF-402B-COMP-23MS	Q2173-06MS	06/03/2025	17:15	PL095898.D	9.10	3.57
OR-400-CF-402B-COMP-23MSD	Q2173-06MSD	06/03/2025	17:29	PL095899.D	9.10	3.57
PB168264BL	PB168264BL	06/03/2025	18:10	PL095902.D	9.10	3.57
PB168224TB	PB168224TB	06/03/2025	18:38	PL095904.D	9.10	3.57
IBLK	IBLK	06/03/2025	18:51	PL095905.D	9.10	3.57
PEM	PEM	06/03/2025	19:05	PL095906.D	9.10	3.57
PSTDCCC050	PSTDCCC050	06/03/2025	19:18	PL095907.D	9.10	3.57
B-187-SB01	Q2177-03	06/03/2025	19:32	PL095908.D	9.10	3.57
B-187-SB02	Q2177-05	06/03/2025	19:46	PL095909.D	9.10	3.57
B-202-SB01	Q2177-07	06/03/2025	19:59	PL095910.D	9.10	3.57
IBLK	IBLK	06/03/2025	20:13	PL095911.D	9.10	3.57
PSTDCCC050	PSTDCCC050	06/03/2025	20:27	PL095912.D	9.10	3.57
IBLK	IBLK	06/04/2025	10:59	PL095914.D	9.10	3.57
PEM	PEM	06/04/2025	11:12	PL095915.D	9.12	3.59
PSTDCCC050	PSTDCCC050	06/04/2025	11:26	PL095916.D	9.10	3.57
PB168264BS	PB168264BS	06/04/2025	12:07	PL095917.D	9.11	3.58
IBLK	IBLK	06/04/2025	13:08	PL095918.D	9.11	3.58
PSTDCCC050	PSTDCCC050	06/04/2025	13:22	PL095919.D	9.10	3.57

Analytical Sequence

Client: Portal Partners Tri-Venture

SDG No.: Q2177

Project: Amtrak Sawtooth Bridges 2025

Instrument ID: ECD_L

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 05/21/2025 05/21/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	05/21/2025	10:47	PL095732.D	8.06	2.89
PEM	PEM	05/21/2025	11:01	PL095733.D	8.06	2.89
RESCHK	RESCHK	05/21/2025	11:14	PL095734.D	8.06	2.89
PSTDICC100	PSTDICC100	05/21/2025	11:35	PL095735.D	8.06	2.88
PSTDICC075	PSTDICC075	05/21/2025	11:48	PL095736.D	8.06	2.89
PSTDICC050	PSTDICC050	05/21/2025	12:02	PL095737.D	8.06	2.89
PSTDICC025	PSTDICC025	05/21/2025	12:15	PL095738.D	8.06	2.89
PSTDICC005	PSTDICC005	05/21/2025	12:29	PL095739.D	8.06	2.89
PCHLORICC500	PCHLORICC500	05/21/2025	13:10	PL095742.D	8.06	2.89
PTOXICC500	PTOXICC500	05/21/2025	14:18	PL095747.D	8.06	2.89
PEM	PEM	06/03/2025	09:42	PL095879.D	8.06	2.89
IBLK	IBLK	06/03/2025	16:48	PL095896.D	8.06	2.89
PSTDCCC050	PSTDCCC050	06/03/2025	17:01	PL095897.D	8.06	2.89
OR-400-CF-402B-COMP-23MS	Q2173-06MS	06/03/2025	17:15	PL095898.D	8.06	2.89
OR-400-CF-402B-COMP-23MSD	Q2173-06MSD	06/03/2025	17:29	PL095899.D	8.06	2.89
PB168264BL	PB168264BL	06/03/2025	18:10	PL095902.D	8.06	2.89
PB168224TB	PB168224TB	06/03/2025	18:38	PL095904.D	8.06	2.89
IBLK	IBLK	06/03/2025	18:51	PL095905.D	8.06	2.89
PEM	PEM	06/03/2025	19:05	PL095906.D	8.06	2.89
PSTDCCC050	PSTDCCC050	06/03/2025	19:18	PL095907.D	8.06	2.89
B-187-SB01	Q2177-03	06/03/2025	19:32	PL095908.D	8.06	2.89
B-187-SB02	Q2177-05	06/03/2025	19:46	PL095909.D	8.06	2.89
B-202-SB01	Q2177-07	06/03/2025	19:59	PL095910.D	8.06	2.89
IBLK	IBLK	06/03/2025	20:13	PL095911.D	8.06	2.89
PSTDCCC050	PSTDCCC050	06/03/2025	20:27	PL095912.D	8.06	2.89
IBLK	IBLK	06/04/2025	10:59	PL095914.D	8.06	2.88
PEM	PEM	06/04/2025	11:12	PL095915.D	8.06	2.89
PSTDCCC050	PSTDCCC050	06/04/2025	11:26	PL095916.D	8.06	2.89
PB168264BS	PB168264BS	06/04/2025	12:07	PL095917.D	8.06	2.88
IBLK	IBLK	06/04/2025	13:08	PL095918.D	8.06	2.88
PSTDCCC050	PSTDCCC050	06/04/2025	13:22	PL095919.D	8.06	2.88

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OR-400-CF-402B-COMP-23MS

Contract: PORT06

Lab Code: CHEM Case No.: Q2177

SAS No.: Q2177 SDG NO.: Q2177

Lab Sample ID: Q2173-06MS

Date(s) Analyzed: 06/03/2025 06/03/2025

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		
Methoxychlor	1	7.52	7.47	7.57	4.50	6.9
	2	6.75	6.70	6.80	4.20	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	5.00	2
	2	3.73	3.68	3.78	5.10	
Heptachlor	1	4.95	4.90	5.00	4.80	2.1
	2	4.08	4.03	4.13	4.90	
Heptachlor epoxide	1	5.72	5.67	5.77	4.80	4.1
	2	4.87	4.82	4.92	5.00	
Endrin	1	6.60	6.55	6.65	4.50	0
	2	5.78	5.73	5.83	4.50	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OR-400-CF-402B-COMP-23MSD

Contract: PORT06

Lab Code: CHEM Case No.: Q2177

SAS No.: Q2177 SDG NO.: Q2177

Lab Sample ID: Q2173-06MSD

Date(s) Analyzed: 06/03/2025 06/03/2025

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	1	6.60	6.55	6.65	4.60	2.2
	2	5.78	5.73	5.83	4.50	
Methoxychlor	1	7.52	7.47	7.57	4.60	9.1
	2	6.75	6.70	6.80	4.20	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	5.10	1.9
	2	3.73	3.68	3.78	5.20	
Heptachlor	1	4.95	4.90	5.00	4.80	2.1
	2	4.08	4.03	4.13	4.90	
Heptachlor epoxide	1	5.72	5.67	5.77	4.80	6.1
	2	4.87	4.82	4.92	5.10	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168264BS

Contract: PORT06

Lab Code: CHEM Case No.: Q2177

SAS No.: Q2177 SDG NO.: Q2177

Lab Sample ID: PB168264BS

Date(s) Analyzed: 06/04/2025 06/04/2025

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		
Methoxychlor	1	7.53	7.48	7.58	0.49	9.3
	2	6.75	6.70	6.80	0.45	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	0.56	1.2
	2	3.73	3.68	3.78	0.55	
Heptachlor	1	4.96	4.91	5.01	0.54	1.6
	2	4.08	4.03	4.13	0.54	
Heptachlor epoxide	1	5.72	5.67	5.77	0.55	0.2
	2	4.87	4.82	4.92	0.55	
Endrin	1	6.61	6.56	6.66	0.49	0.2
	2	5.78	5.73	5.83	0.49	



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168264BL	SDG No.:	Q2177
Lab Sample ID:	PB168264BL	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095902.D	1	06/03/25 11:34	06/03/25 18:10	PB168264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.1		30 (57) - 150 (171)	90%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.2		30 (61) - 150 (148)	96%	SPK: 20

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\PL060325\
 Data File : PL095902.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 18:10
 Operator : AR\AJ
 Sample : PB168264BL
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB168264BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 03:39:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.572	2.885	59824314	75028691	18.960	19.170
28) SA Decachlor...	9.098	8.059	42546526	78198340	18.056	17.876

Target Compounds

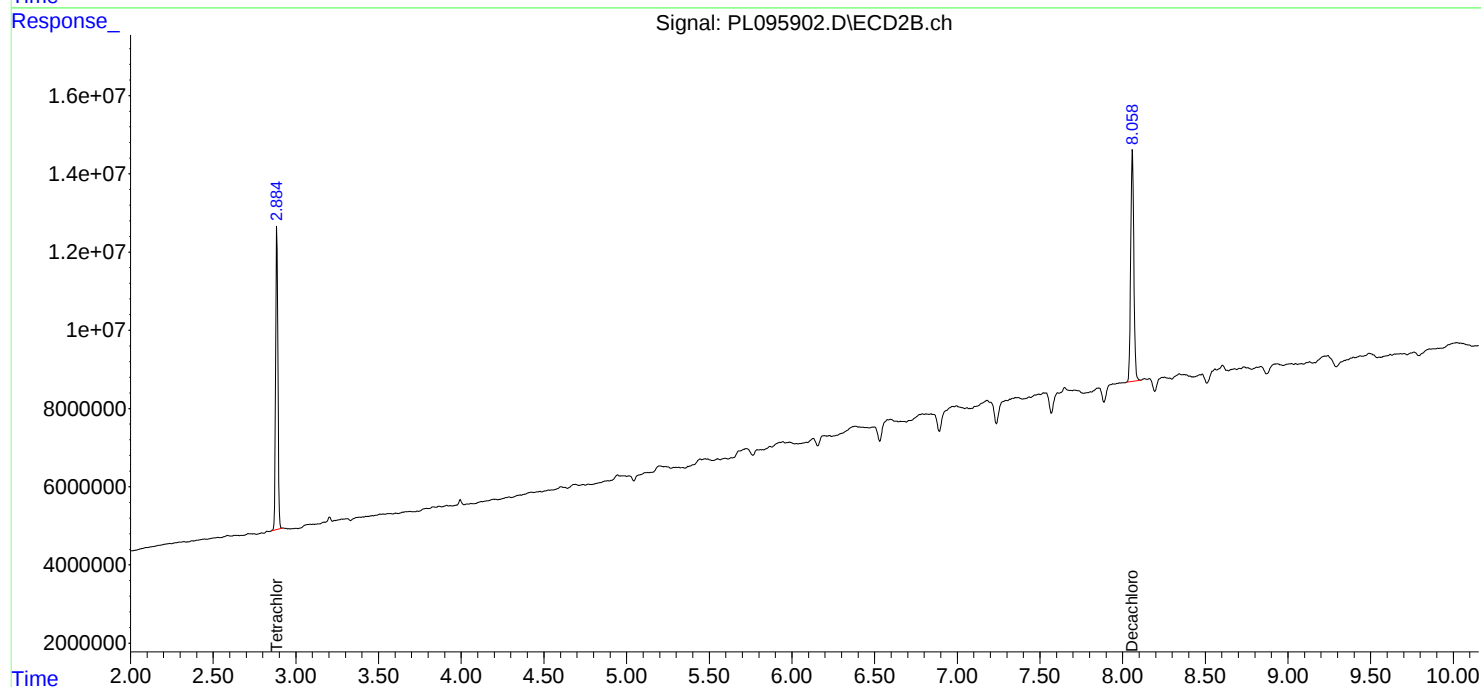
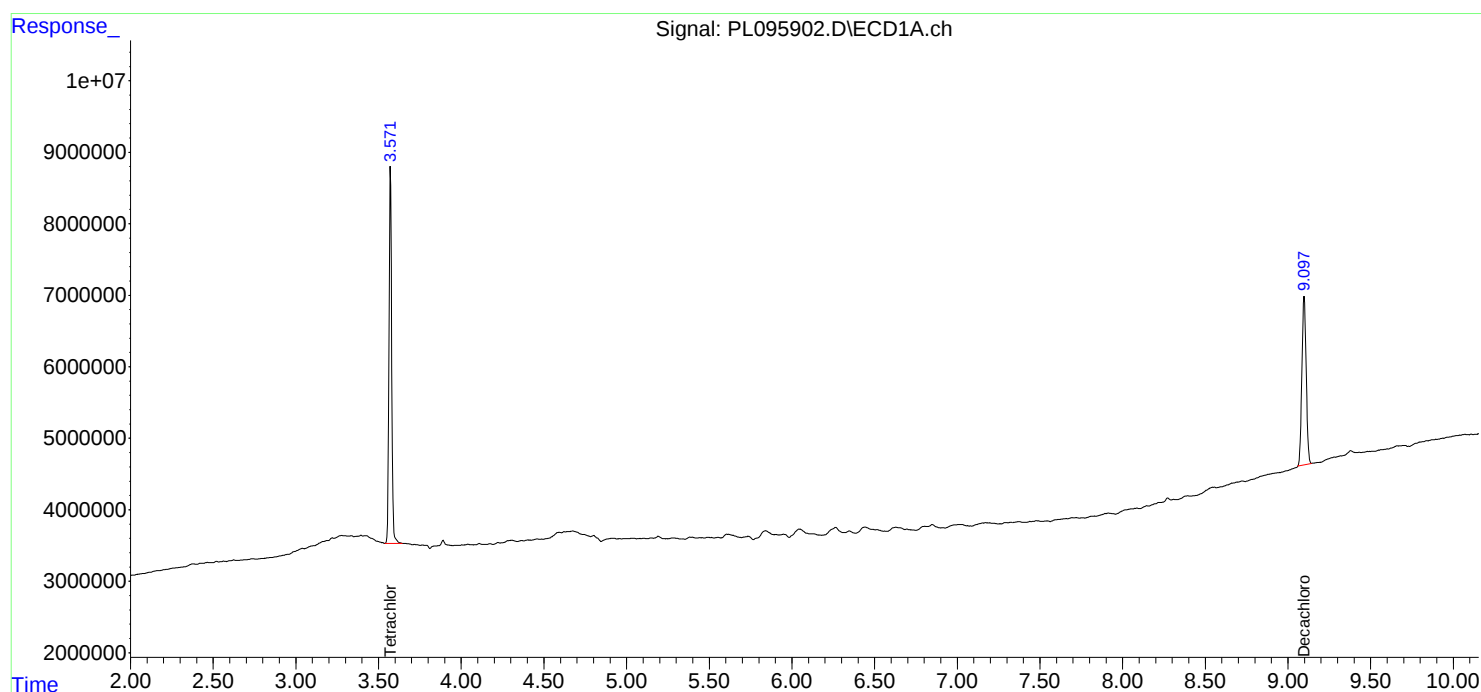
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

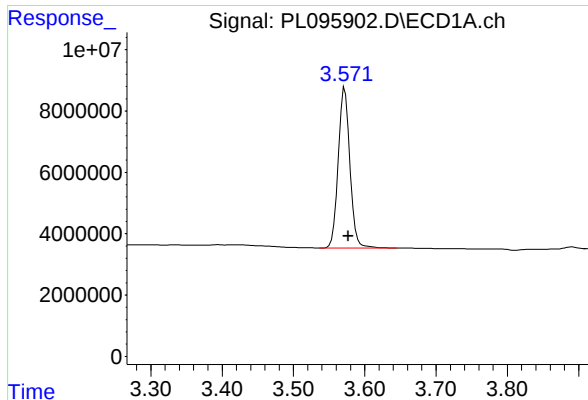
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095902.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 18:10
Operator : AR\AJ
Sample : PB168264BL
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168264BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:39:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

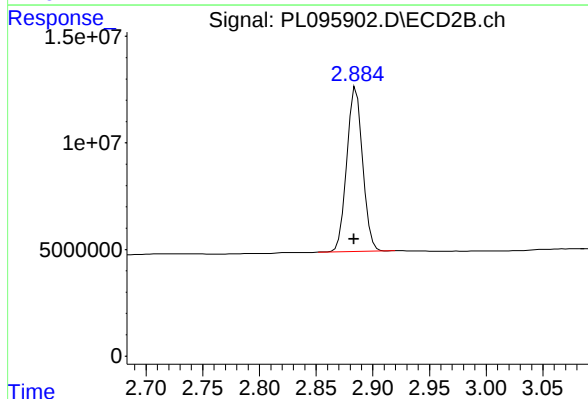




#1 Tetrachloro-m-xylene

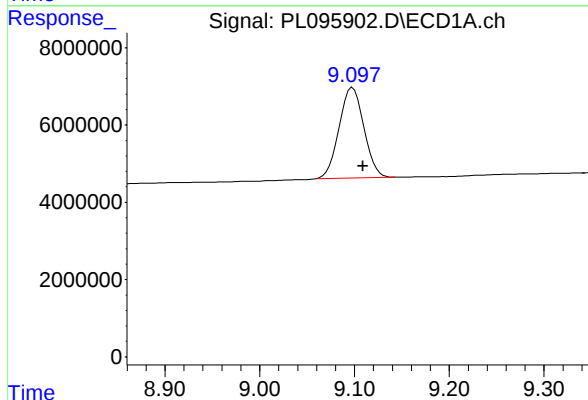
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 59824314
Conc: 18.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168264BL



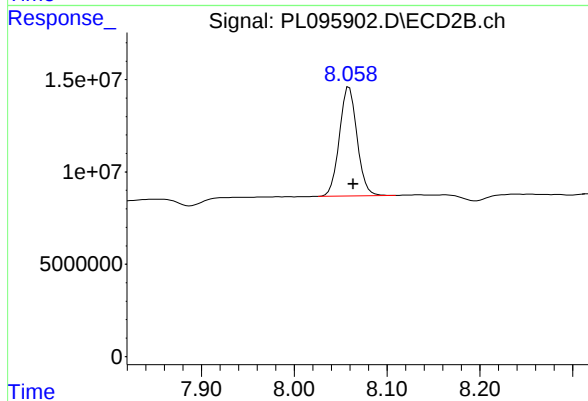
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 75028691
Conc: 19.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.011 min
Response: 42546526
Conc: 18.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 78198340
Conc: 17.88 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	05/21/25
Client Sample ID:	PIBLK-PL095732.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PL095732.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
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
PL095732.D	1		05/21/25	PL052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.2		30 (57) - 150 (171)	91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.4		30 (61) - 150 (148)	82%	SPK: 20

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\PL052125\
Data File : PL095732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 10:47
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:31:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.573	2.886	51602531	62467417	16.354	15.960
28) SA Decachlor...	9.102	8.063	42816238	76669642	18.171	17.527

Target Compounds

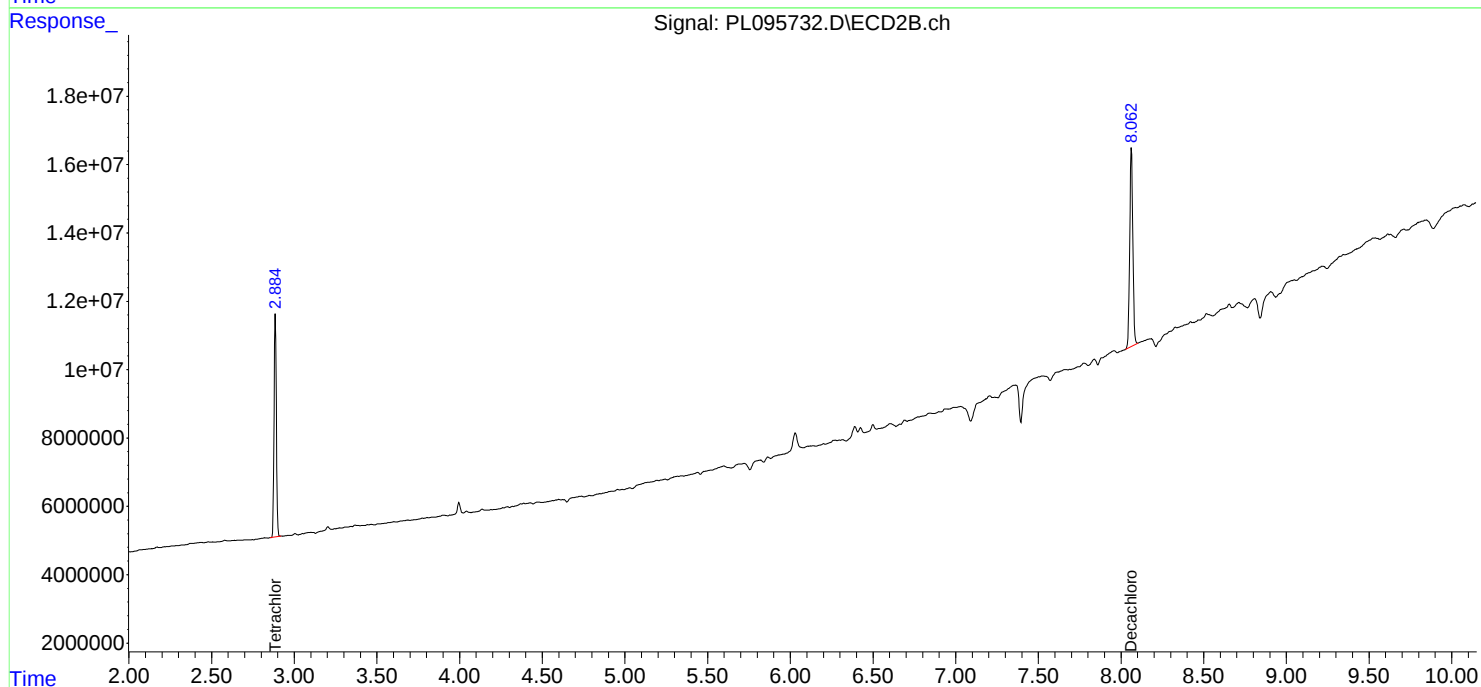
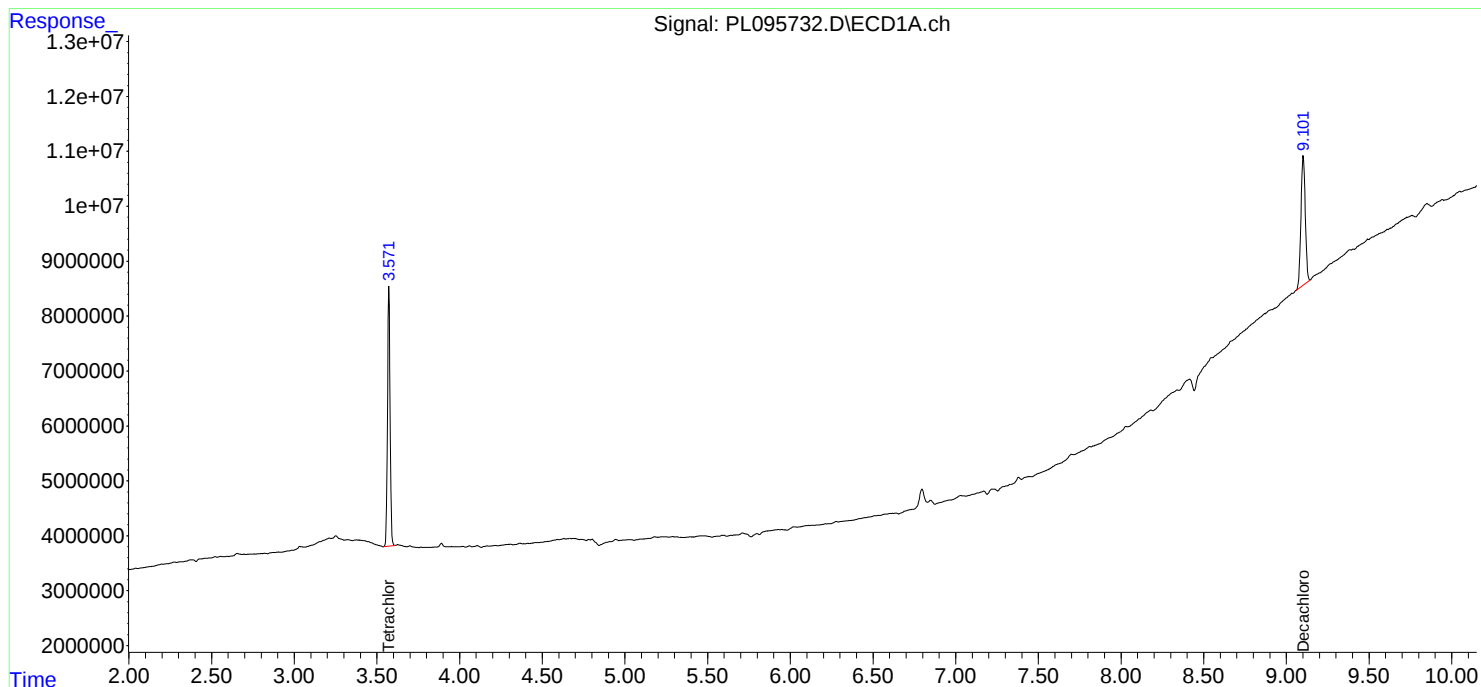
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

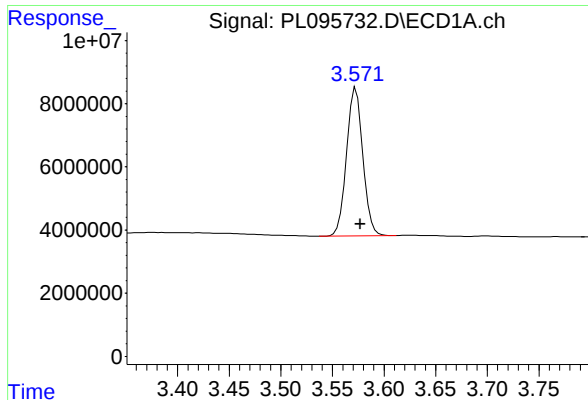
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 10:47
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 06:31:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

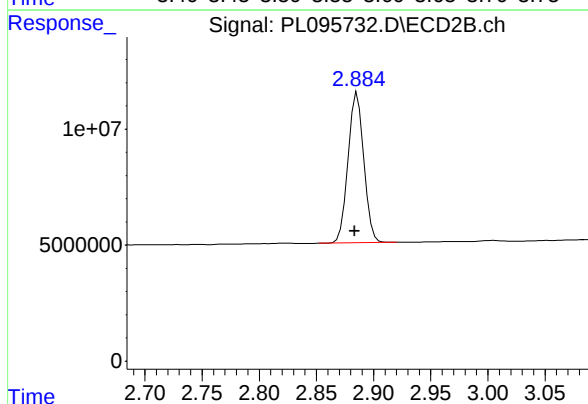




#1 Tetrachloro-m-xylene

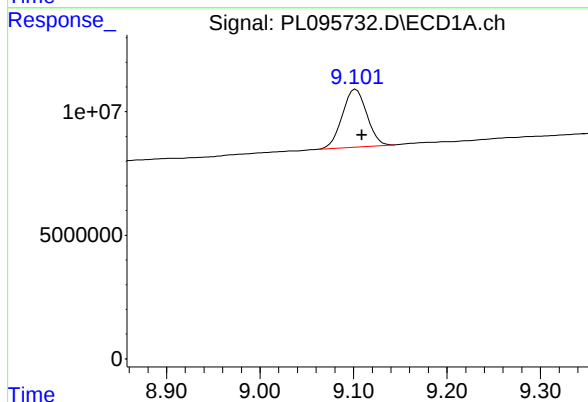
R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 51602531
Conc: 16.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



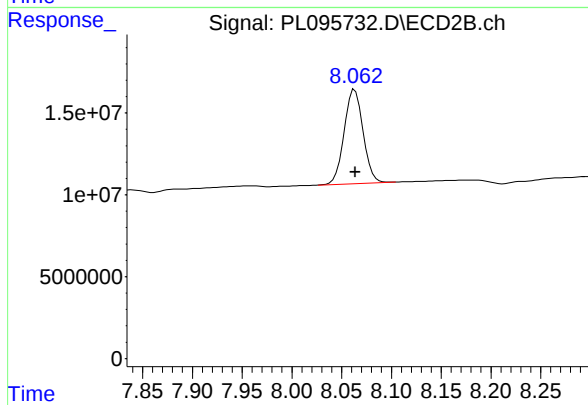
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 62467417
Conc: 15.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.102 min
Delta R.T.: -0.006 min
Response: 42816238
Conc: 18.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 76669642
Conc: 17.53 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	PIBLK-PL095896.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PL095896.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095896.D	1		06/03/25	pl060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.8		30 (57) - 150 (171)	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.0		30 (61) - 150 (148)	115%	SPK: 20

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\PL060325\
 Data File : PL095896.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 16:48
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 03:38:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.572	2.885	71292786	90140102	22.595	23.031
28) SA Decachlor...	9.098	8.059	46689778	78387092	19.815	17.919

Target Compounds

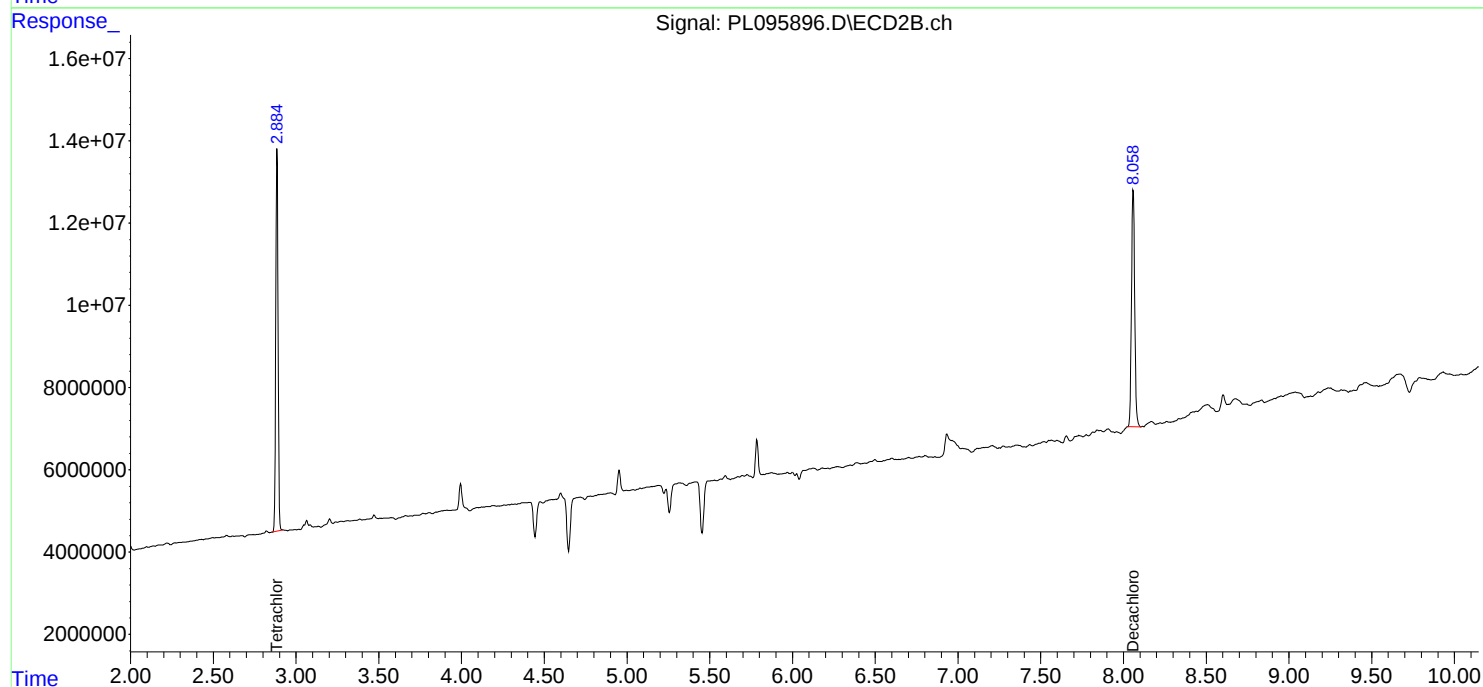
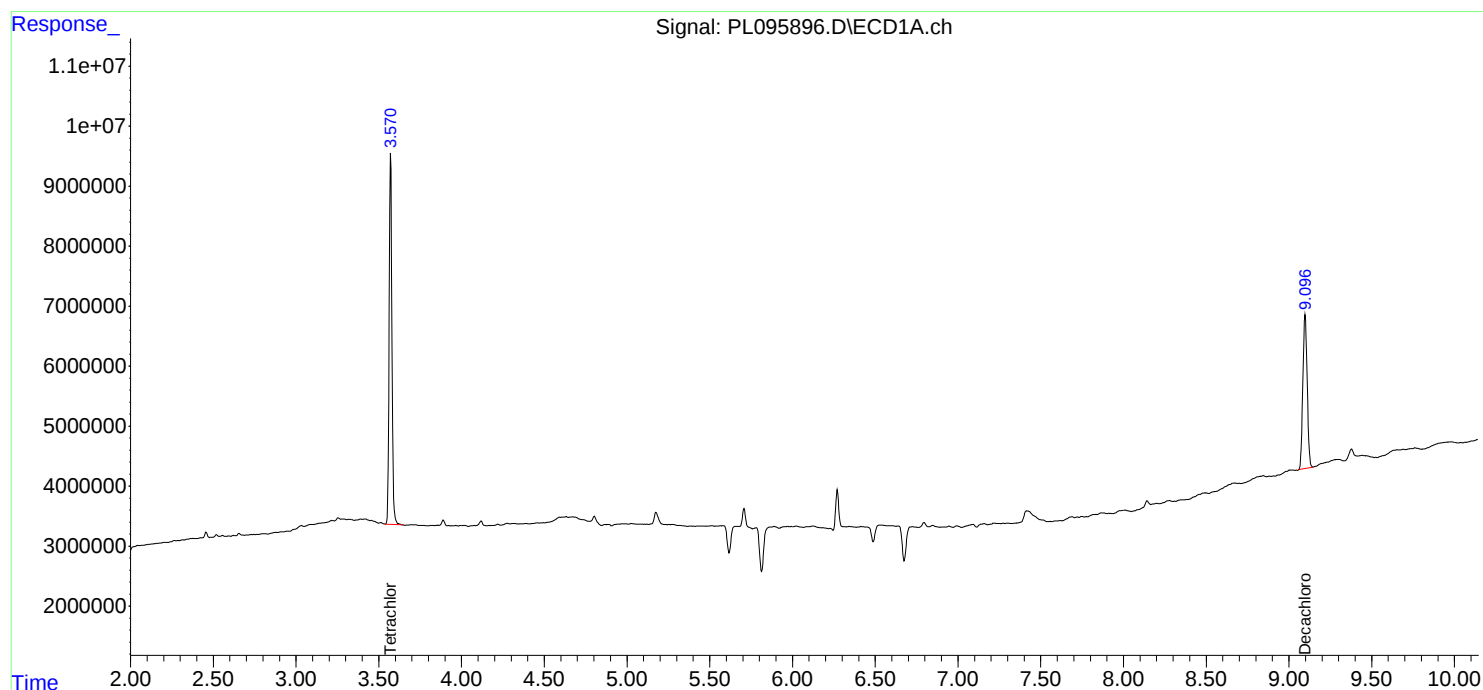
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

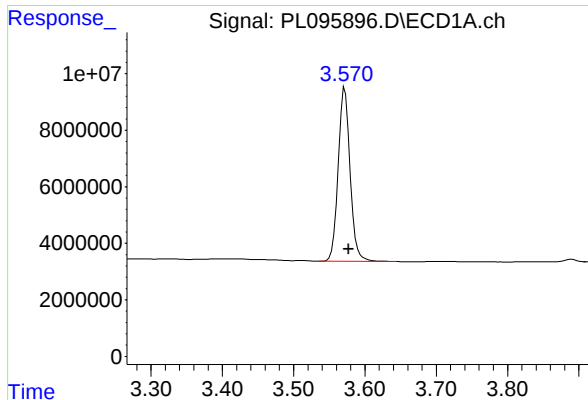
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095896.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 16:48
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:38:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

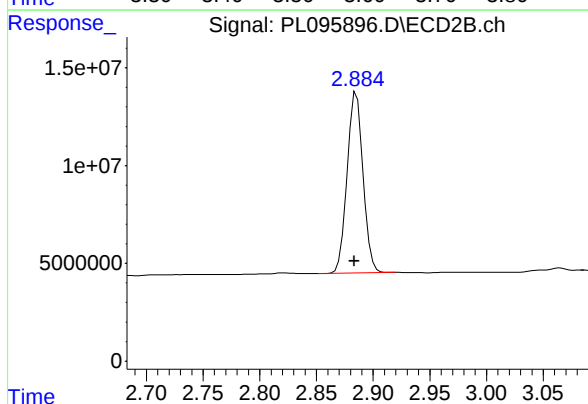




#1 Tetrachloro-m-xylene

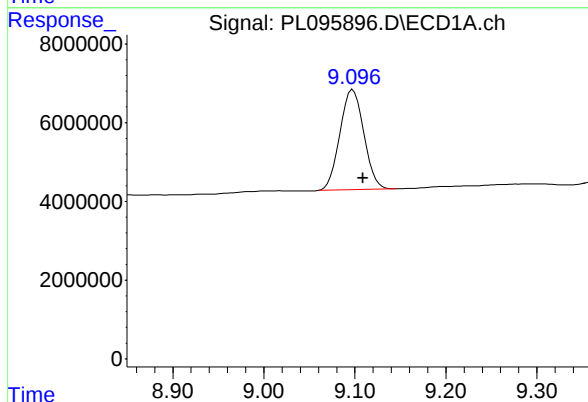
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 71292786
Conc: 22.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



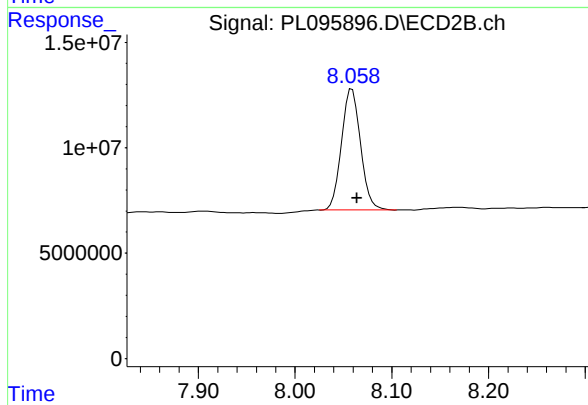
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 90140102
Conc: 23.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.011 min
Response: 46689778
Conc: 19.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.005 min
Response: 78387092
Conc: 17.92 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	PIBLK-PL095905.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PL095905.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095905.D	1		06/03/25	pl060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.4		30 (57) - 150 (171)	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.0		30 (61) - 150 (148)	115%	SPK: 20

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\PL060325\
Data File : PL095905.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 18:51
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: Jun 04 03:40:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.573	2.886	72451779	89689581	22.962	22.915
28) SA Decachlor...	9.098	8.059	50515883	93694728	21.438	21.419

Target Compounds

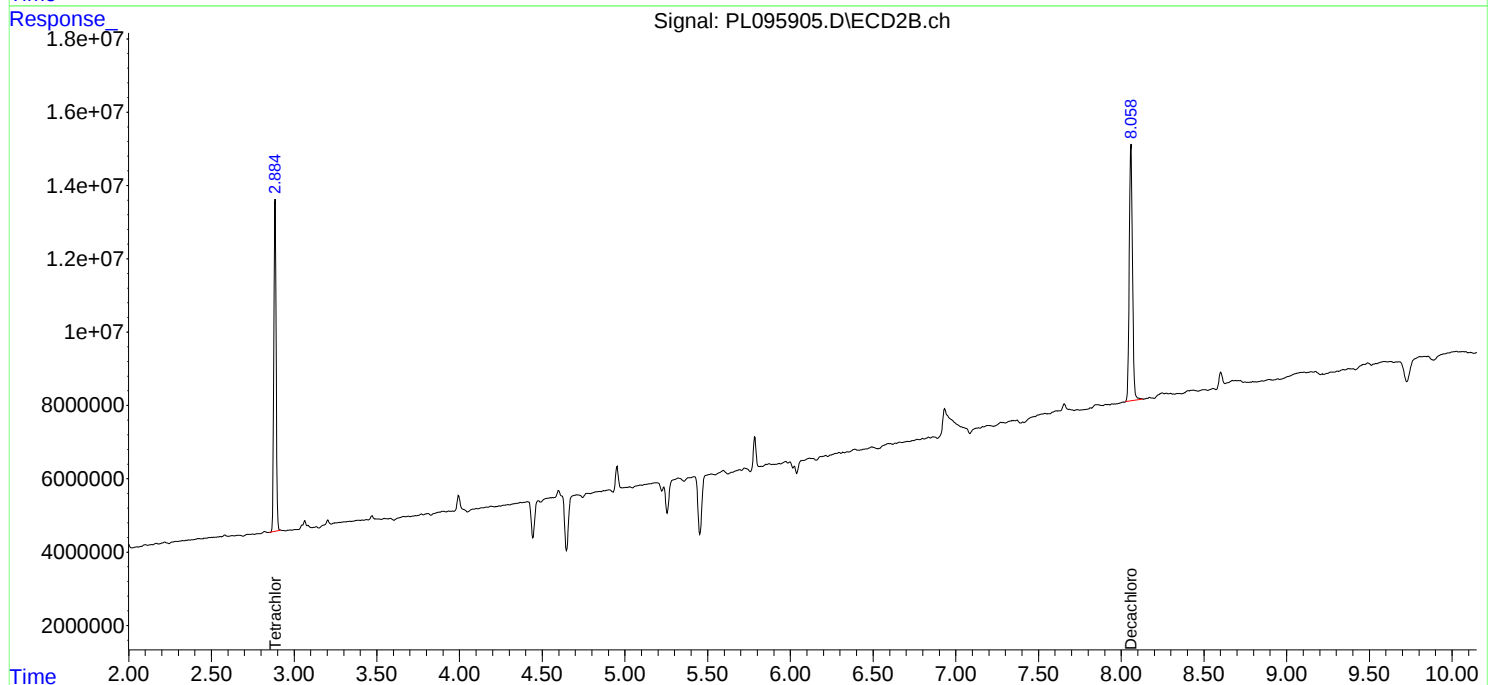
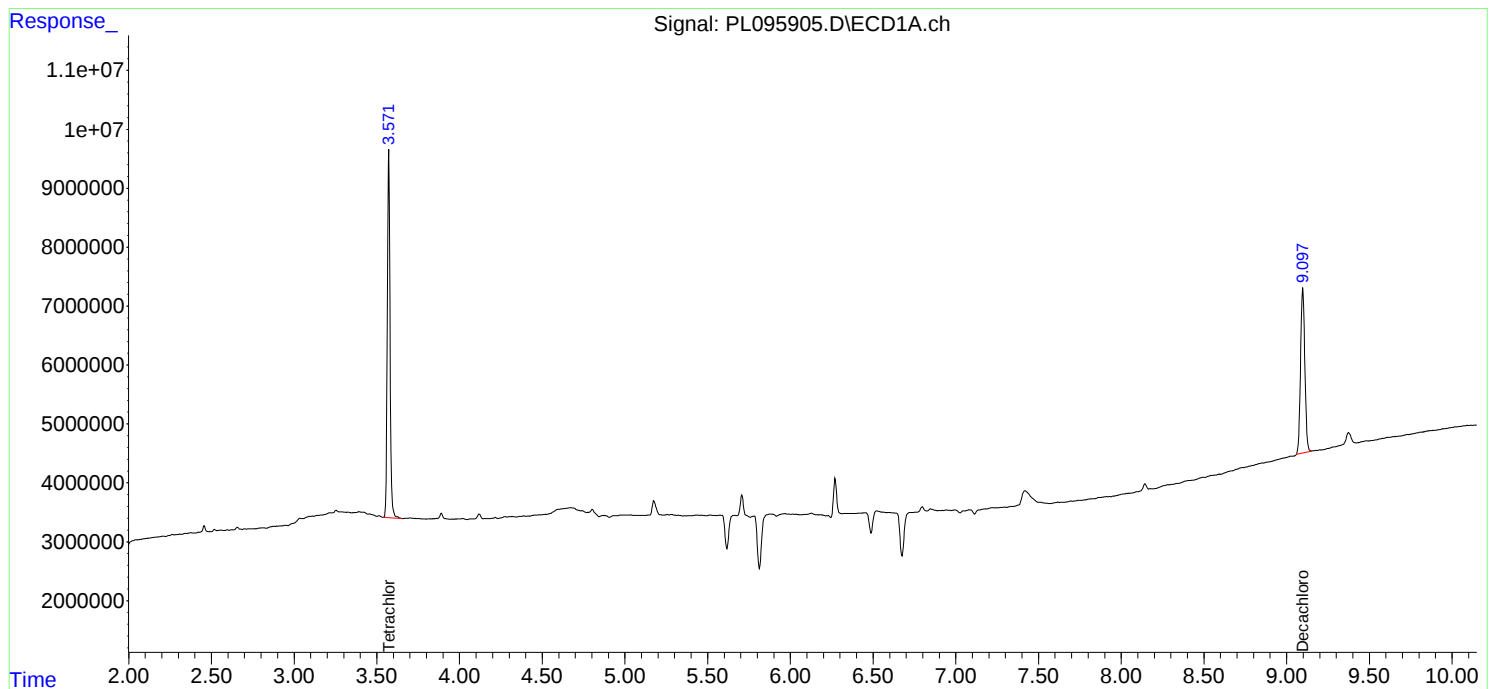
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

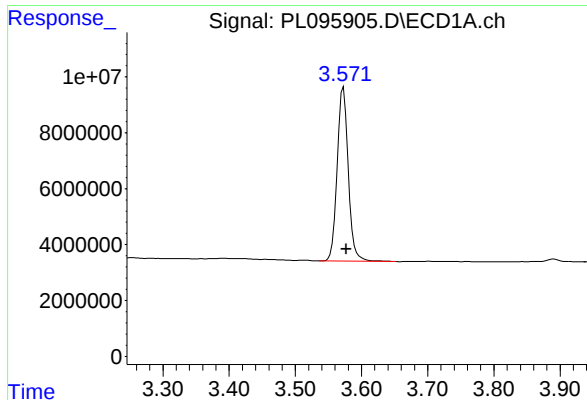
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095905.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 18:51
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:40:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

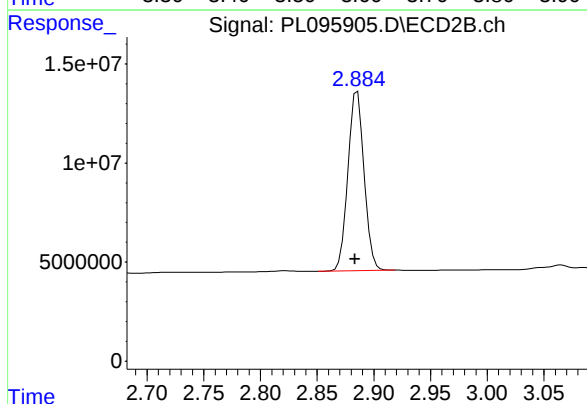




#1 Tetrachloro-m-xylene

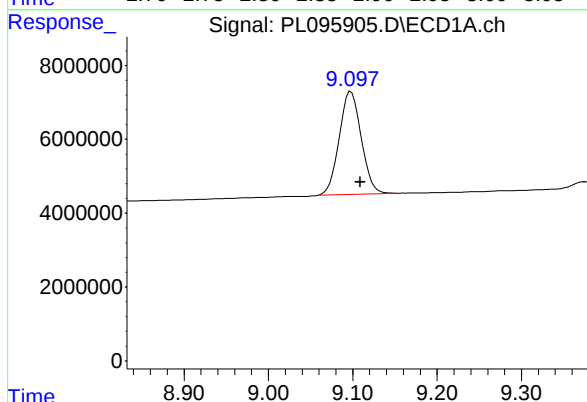
R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 72451779
Conc: 22.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



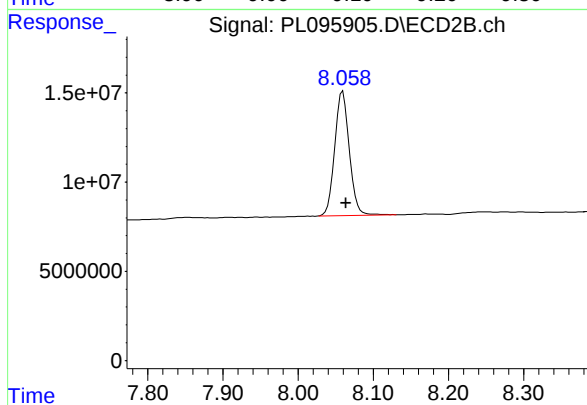
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 89689581
Conc: 22.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.011 min
Response: 50515883
Conc: 21.44 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 93694728
Conc: 21.42 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/03/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	PIBLK-PL095911.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PL095911.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
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
PL095911.D	1		06/03/25	pl060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.9		30 (57) - 150 (171)	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.2		30 (61) - 150 (148)	116%	SPK: 20

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\PL060325\
Data File : PL095911.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 20:13
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: Jun 04 03:40:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.572	2.886	73240439	90627325	23.212	23.155
28) SA Decachlor...	9.098	8.059	51638975	99950359	21.915	22.849

Target Compounds

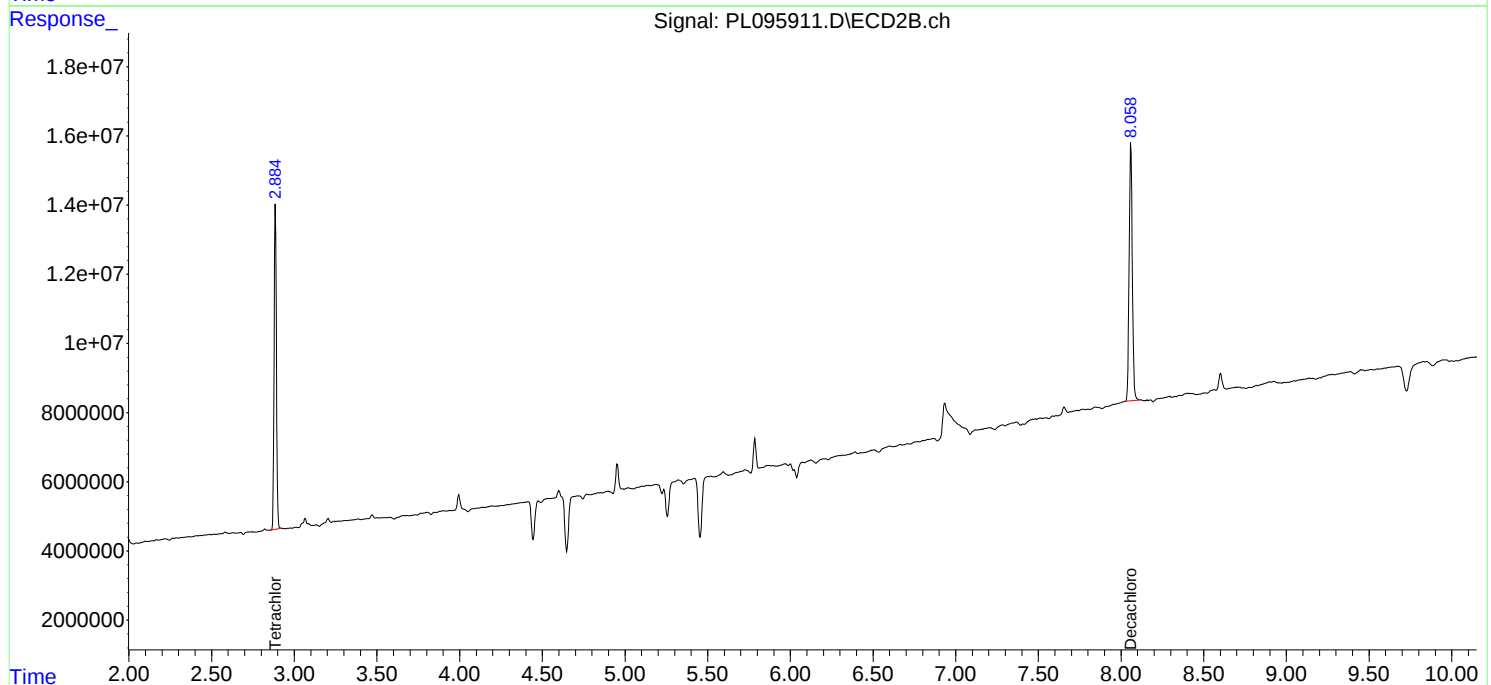
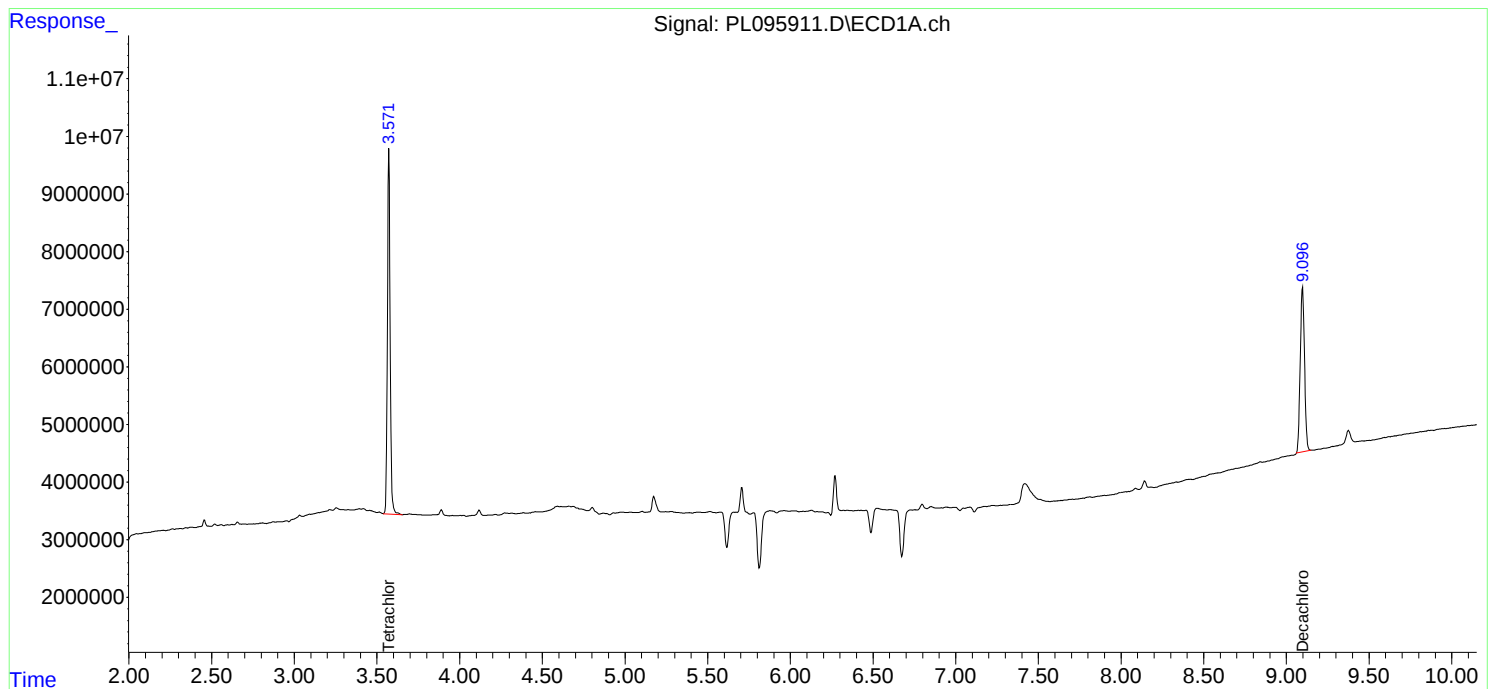
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

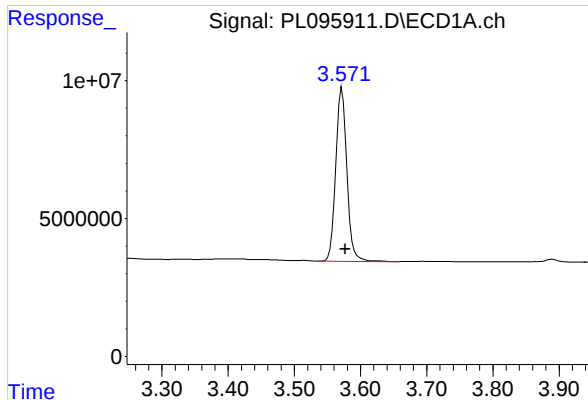
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095911.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 20:13
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:40:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

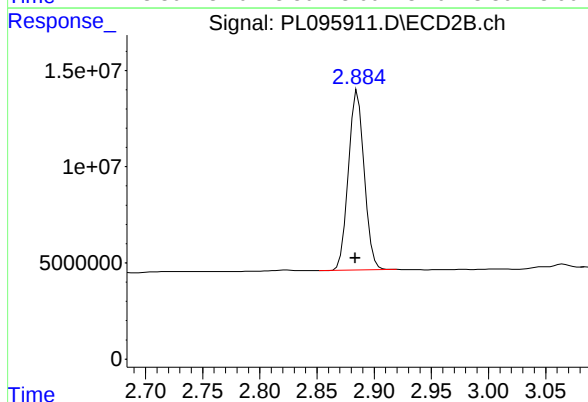




#1 Tetrachloro-m-xylene

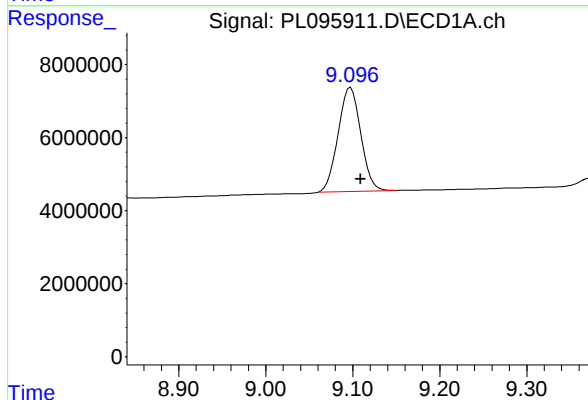
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 73240439
Conc: 23.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



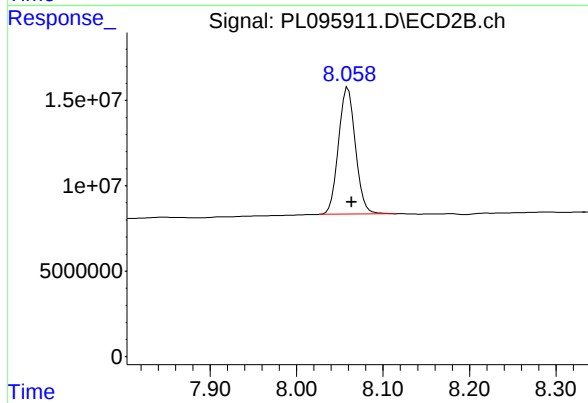
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 90627325
Conc: 23.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.011 min
Response: 51638975
Conc: 21.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 99950359
Conc: 22.85 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/04/25
Client Sample ID:	PIBLK-PL095914.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PL095914.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
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
PL095914.D	1		06/04/25	pl060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.1		30 (57) - 150 (171)	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		30 (61) - 150 (148)	106%	SPK: 20

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\PL060425\
Data File : PL095914.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 10:59
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: Jun 05 01:40:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.572	2.884	67042509	79360996	21.248	20.277
28) SA Decachlor...	9.099	8.058	47353400	87908527	20.096	20.096

Target Compounds

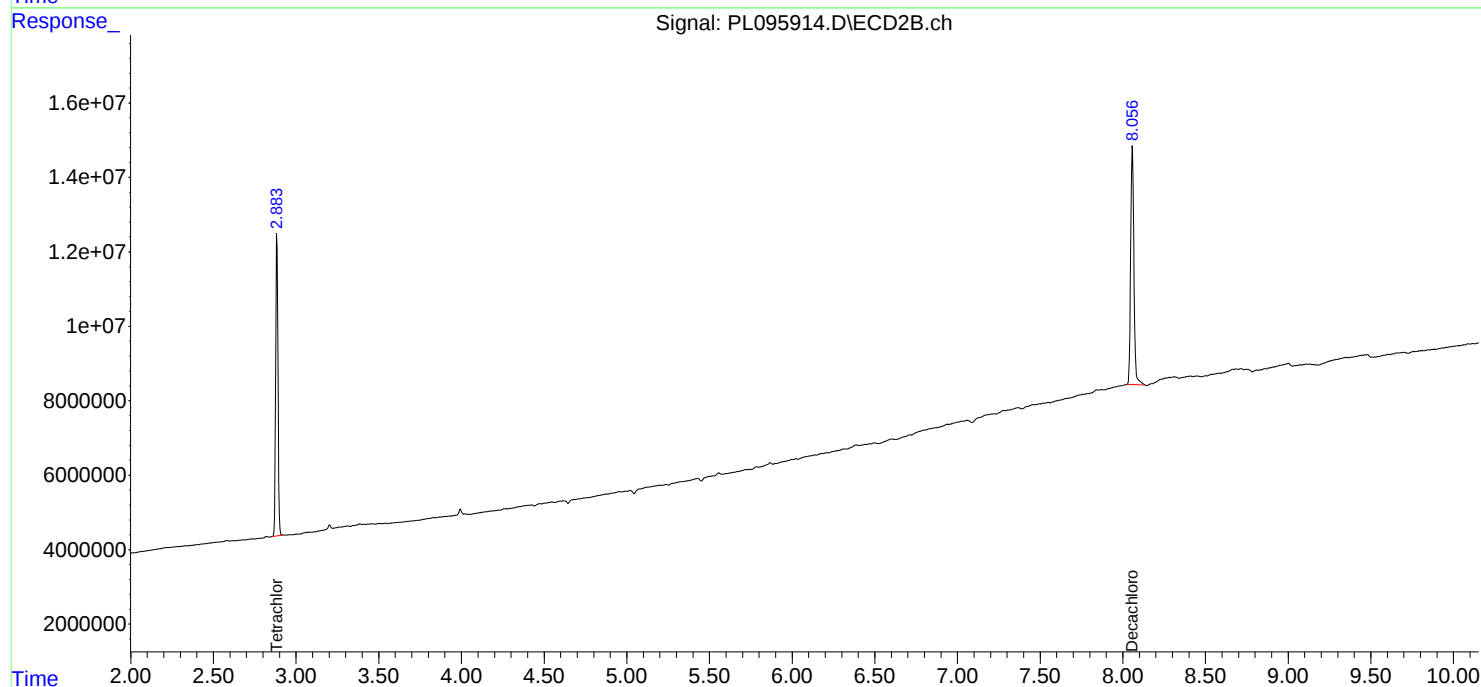
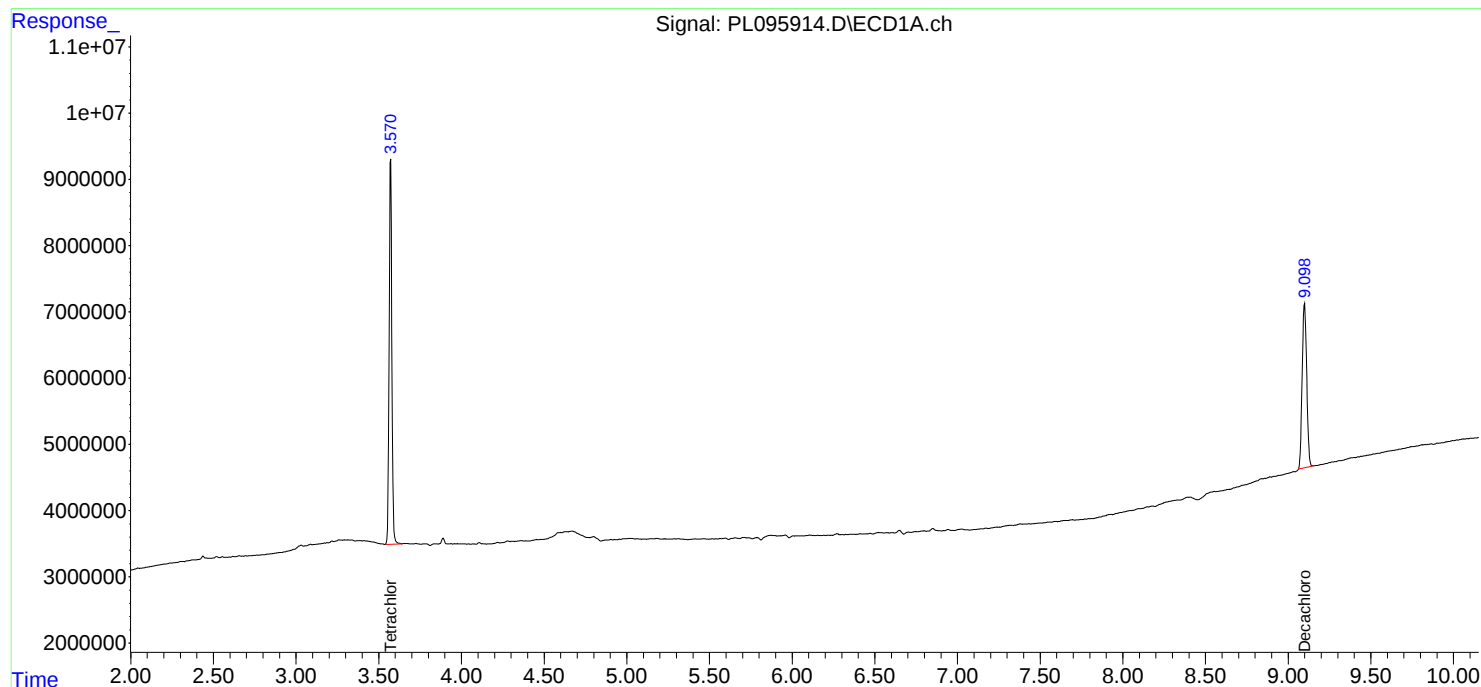
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

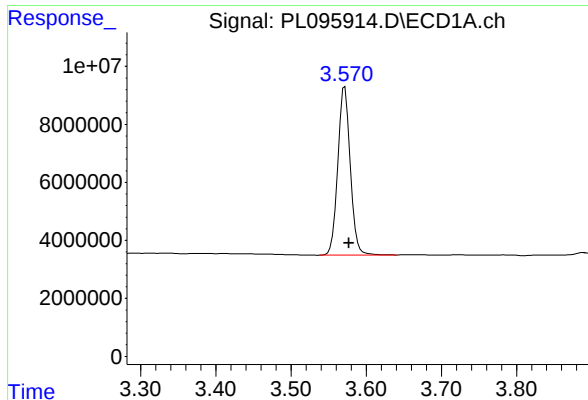
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060425\
Data File : PL095914.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 10:59
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:40:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

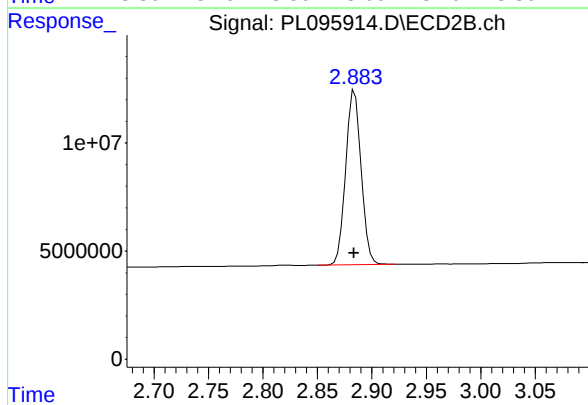




#1 Tetrachloro-m-xylene

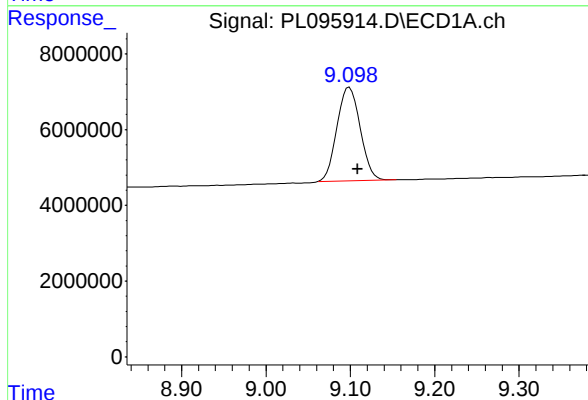
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 67042509
Conc: 21.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



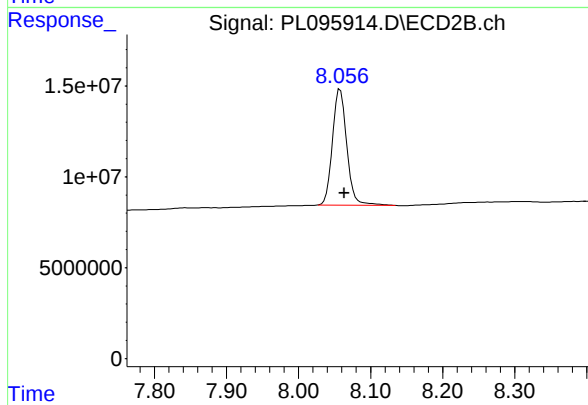
#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 79360996
Conc: 20.28 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 47353400
Conc: 20.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: -0.006 min
Response: 87908527
Conc: 20.10 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/04/25
Client Sample ID:	PIBLK-PL095918.D	SDG No.:	Q2177
Lab Sample ID:	I.BLK-PL095918.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095918.D	1		06/04/25	pl060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.4		30 (57) - 150 (171)	102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		30 (61) - 150 (148)	103%	SPK: 20

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\PL060425\
 Data File : PL095918.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 13:08
 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: Jun 05 01:42:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.577	2.880	64826983	76875525	20.546	19.641
28) SA Decachlor...	9.107	8.058	48168039	87707789	20.442	20.050

Target Compounds

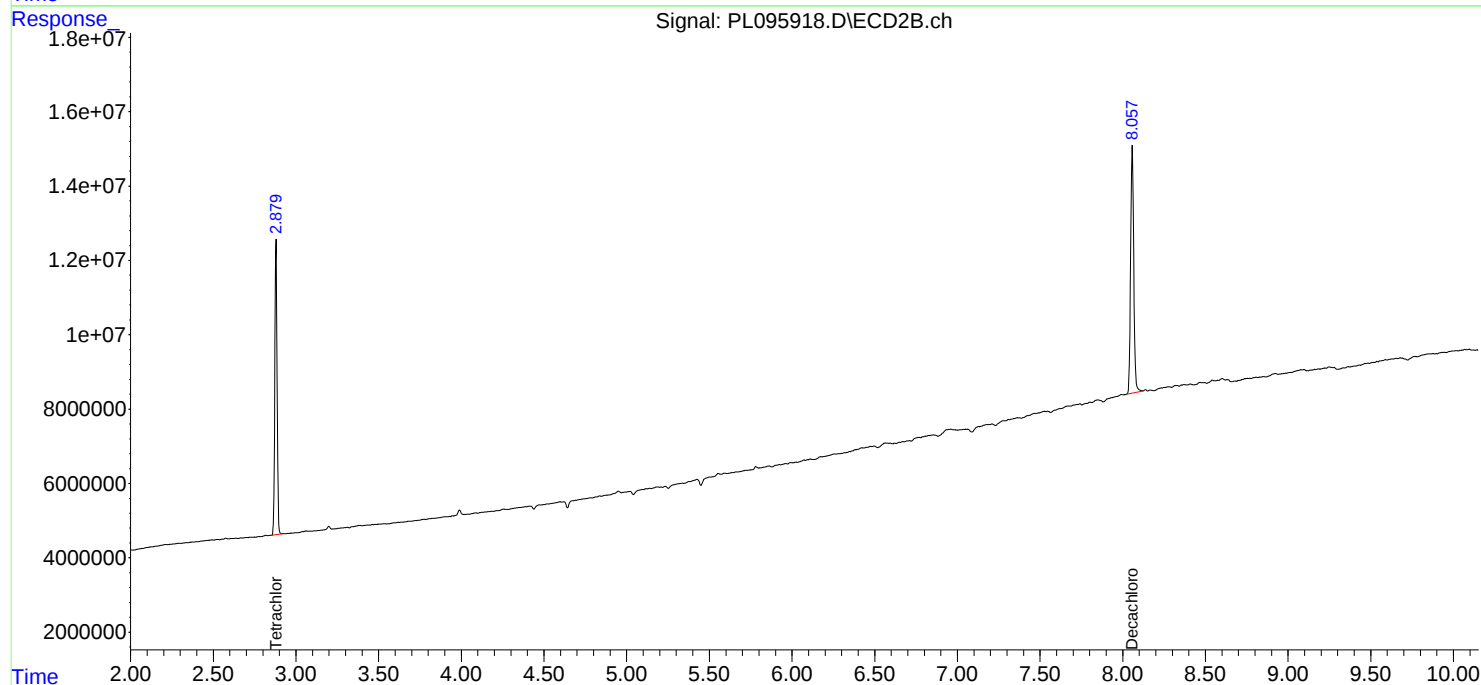
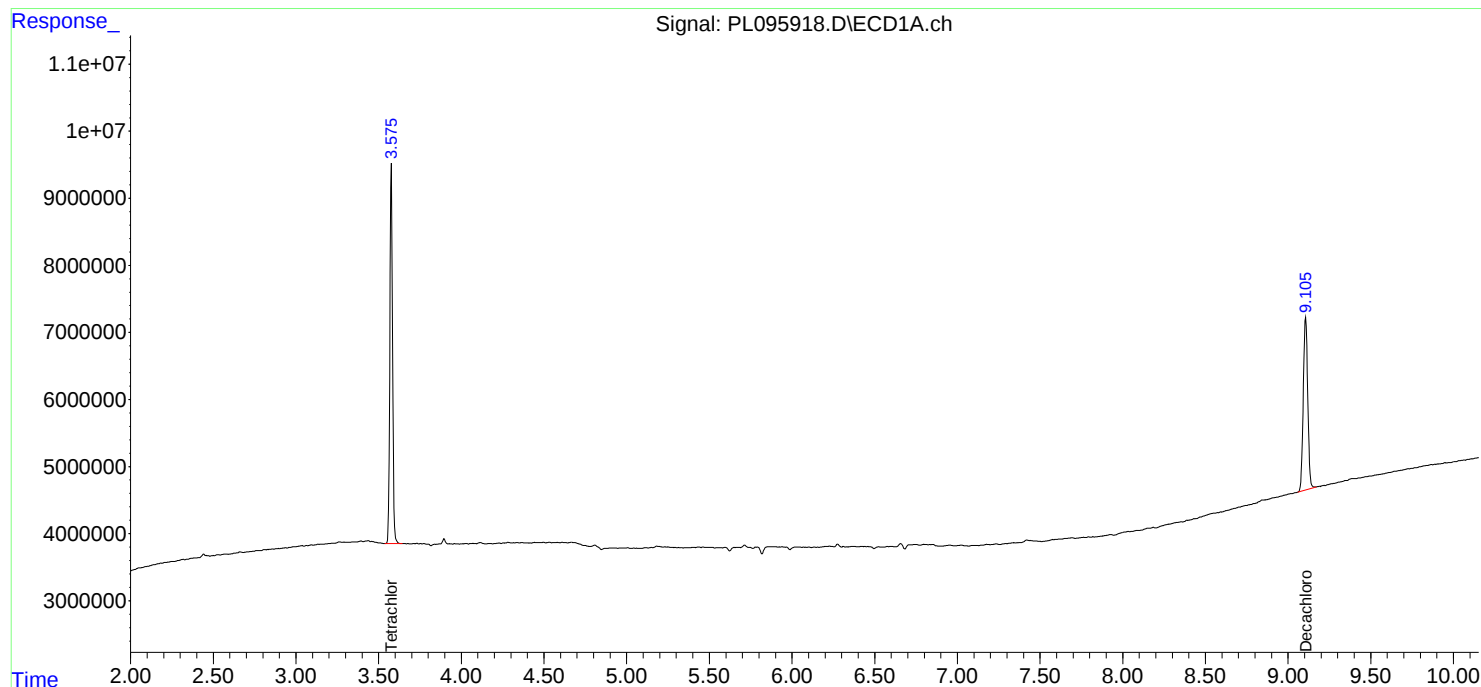
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

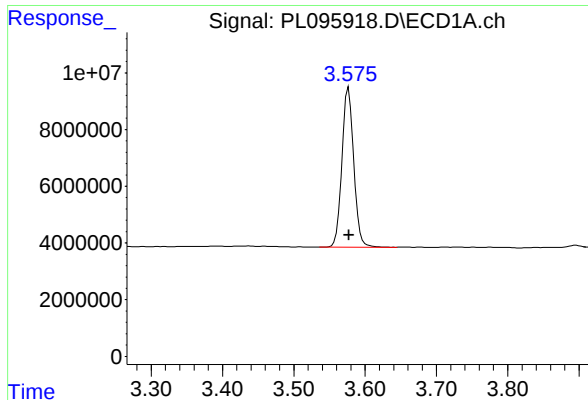
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060425\
Data File : PL095918.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 13:08
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:42:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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

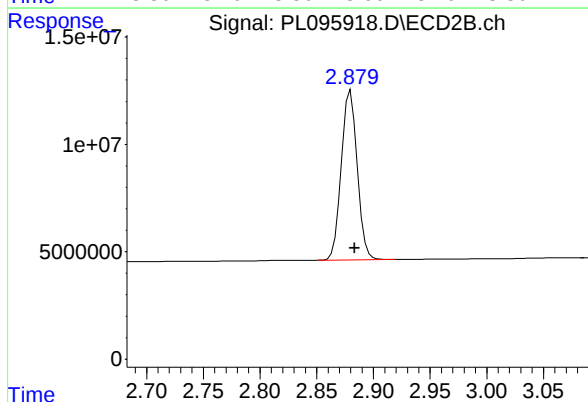




#1 Tetrachloro-m-xylene

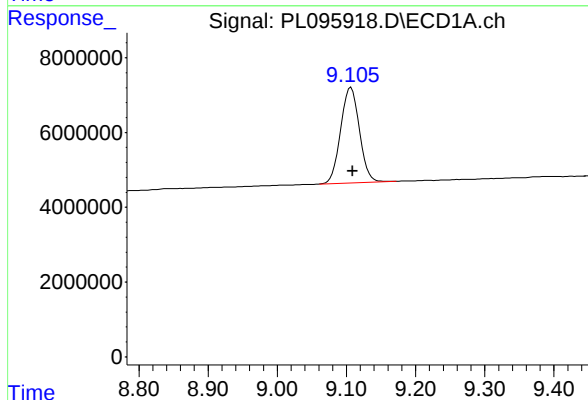
R.T.: 3.577 min
Delta R.T.: 0.000 min
Response: 64826983
Conc: 20.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



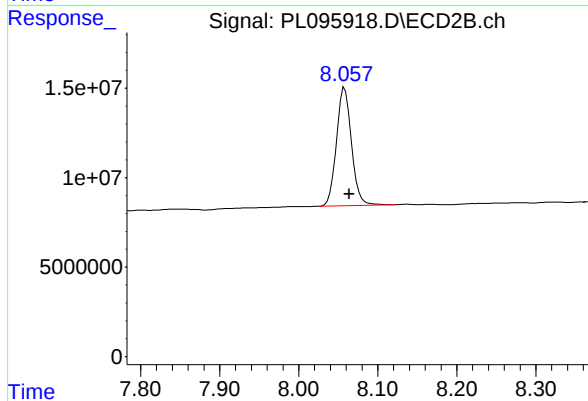
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.003 min
Response: 76875525
Conc: 19.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.107 min
Delta R.T.: -0.002 min
Response: 48168039
Conc: 20.44 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: -0.006 min
Response: 87707789
Conc: 20.05 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB168264BS	SDG No.:	Q2177
Lab Sample ID:	PB168264BS	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095917.D	1	06/03/25 11:34	06/04/25 12:07	PB168264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.56		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.54		0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.55		0.0096	0.050	ug/L
72-20-8	Endrin	0.49		0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.49		0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.1		30 (57) - 150 (171)	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.1		30 (61) - 150 (148)	110%	SPK: 20

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\PL060425\
 Data File : PL095917.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 12:07
 Operator : AR\AJ
 Sample : PB168264BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB168264BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 06/05/2025
 Supervised By : mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 05 01:41:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.577	2.882	69630438	83635216	22.068	21.369
28) SA Decachlor...	9.106	8.058	51809620	96608301	21.987	22.085
Target Compounds						
2) A alpha-BHC	4.029	3.392	273.0E6	326.3E6	56.315	55.700
3) MA gamma-BHC...	4.361	3.726	249.6E6	308.9E6	55.813	55.147
4) MA Heptachlor	4.959	4.078	206.2E6	300.6E6	54.472	53.593
5) MB Aldrin	5.301	4.363	239.4E6	293.9E6	55.958	55.374
6) B beta-BHC	4.549	4.021	107.0E6	132.0E6	54.280	53.298
7) B delta-BHC	4.797	4.257	244.1E6	309.3E6	55.054	54.769
8) B Heptachlo...	5.722	4.865	210.9E6	272.3E6	55.250	55.151
9) A Endosulfan I	6.105	5.238	199.6E6	265.3E6	54.471	55.668
10) B gamma-Chl...	5.976	5.118	214.1E6	293.0E6	55.000	55.786
11) B alpha-Chl...	6.057	5.182	214.2E6	288.2E6	54.243	55.401
12) B 4,4'-DDE	6.228	5.369	200.4E6	288.3E6	54.647	53.768
13) MA Dieldrin	6.378	5.503	214.7E6	288.5E6	55.642	54.437
14) MA Endrin	6.606	5.776	157.7E6	238.8E6	48.874	48.975m
15) B Endosulfa...	6.818	6.068	177.1E6	261.4E6	51.404	55.010
16) A 4,4'-DDD	6.738	5.922	165.3E6	253.0E6	56.401	57.689
17) MA 4,4'-DDT	7.053	6.175	133.2E6	226.7E6	49.246	47.398
18) B Endrin al...	6.947	6.246	132.7E6	195.0E6	54.897	56.449
19) B Endosulfa...	7.181	6.470	160.6E6	245.0E6	53.776	54.502
20) A Methoxychlor	7.526	6.745	62825073	117.4E6	49.262	44.888
21) B Endrin ke...	7.662	6.975	178.9E6	293.6E6	56.493	56.752
22) Mirex	8.143	7.169	124.6E6	216.7E6	53.840	53.374

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060425\
Data File : PL095917.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 12:07
Operator : AR\AJ
Sample : PB168264BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB168264BS

Manual Integrations

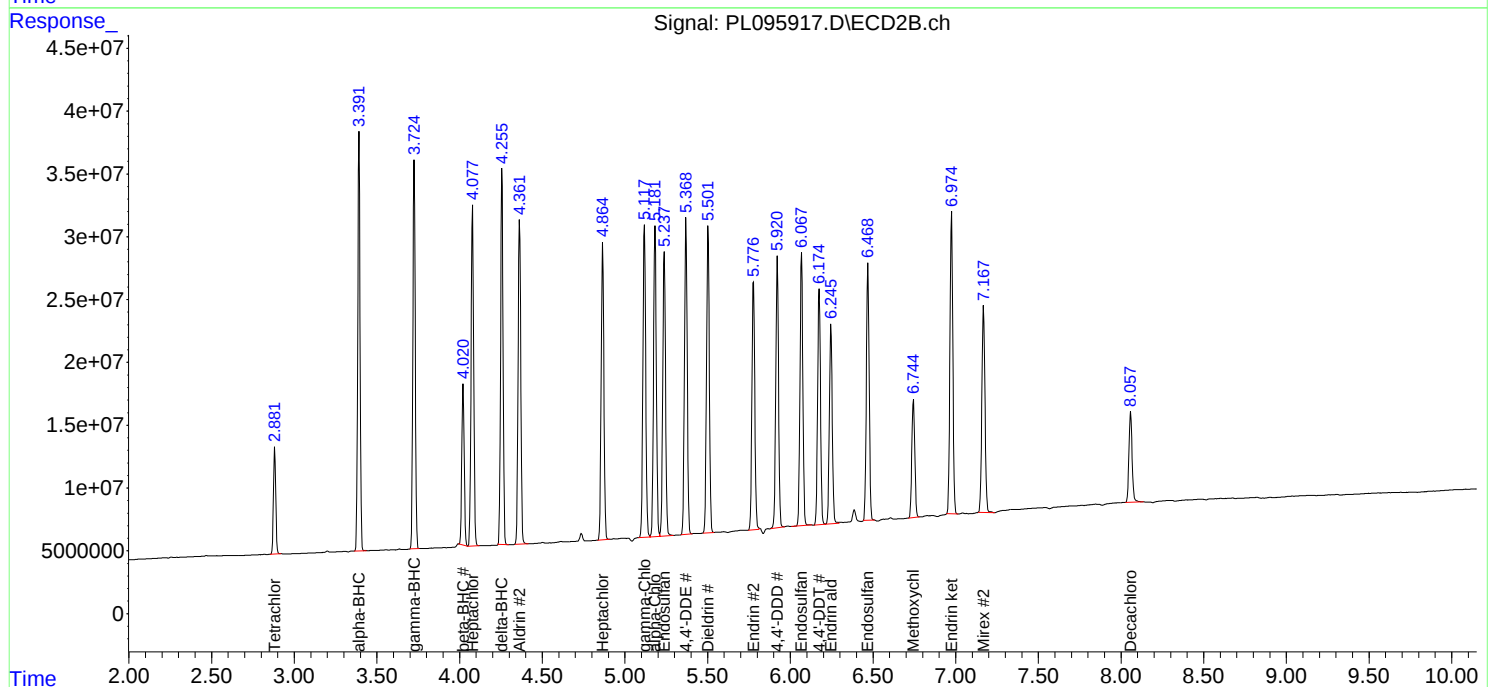
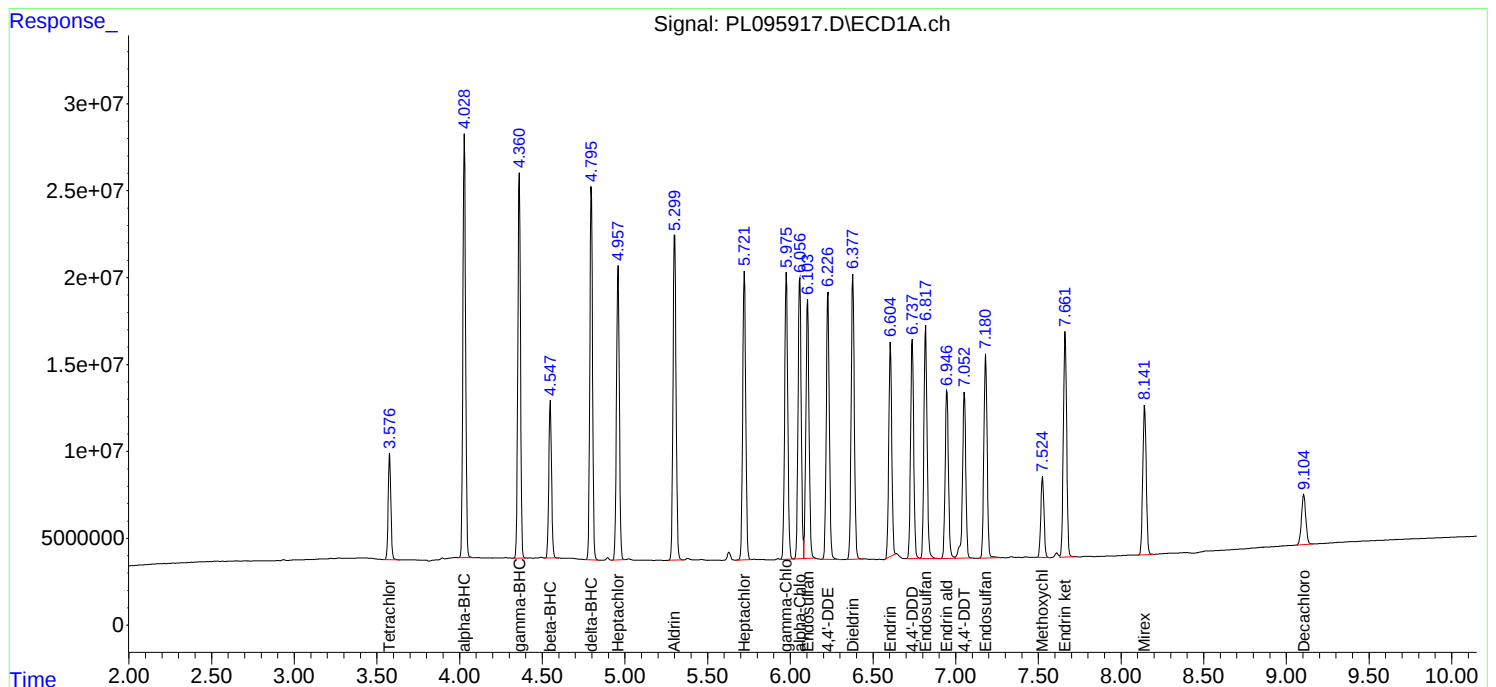
APPROVED

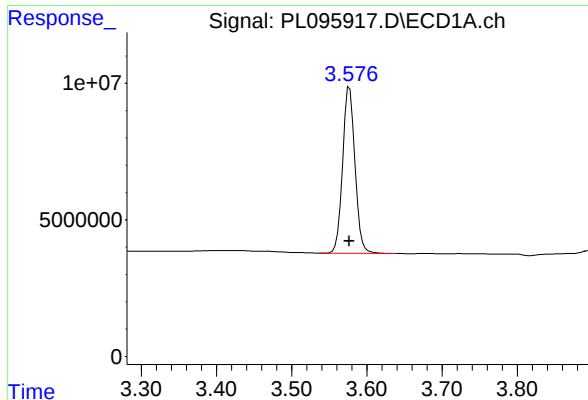
Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:41:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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





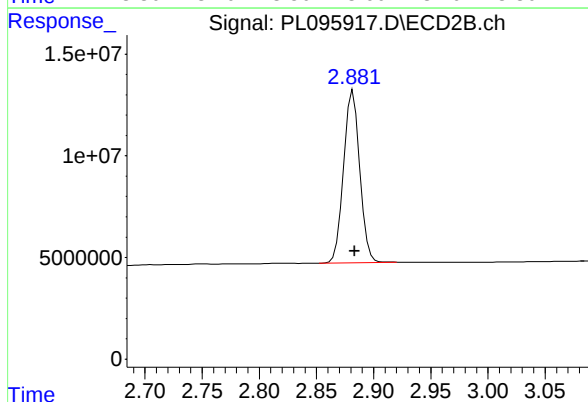
#1 Tetrachloro-m-xylene

R.T.: 3.577 min
Delta R.T.: 0.000 min
Response: 69630438
Conc: 22.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168264BS

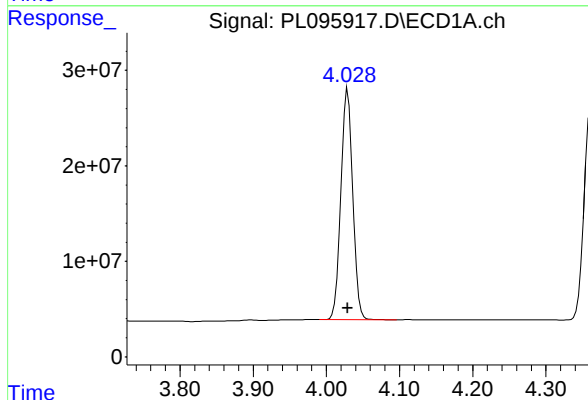
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



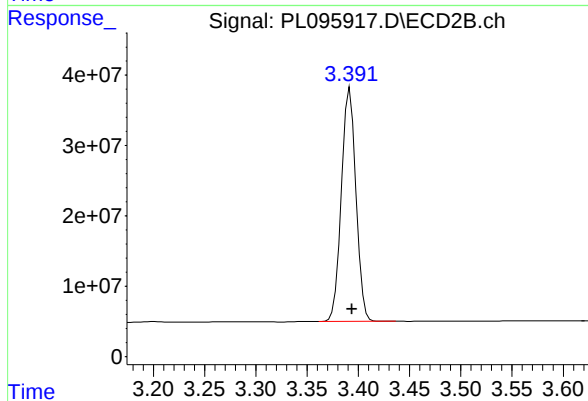
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: -0.001 min
Response: 83635216
Conc: 21.37 ng/ml



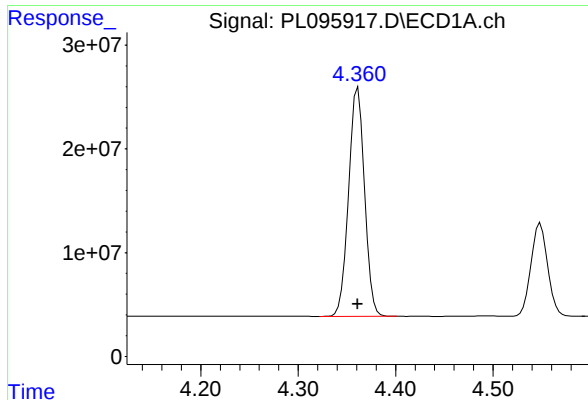
#2 alpha-BHC

R.T.: 4.029 min
Delta R.T.: 0.000 min
Response: 273011049
Conc: 56.31 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.002 min
Response: 326253229
Conc: 55.70 ng/ml



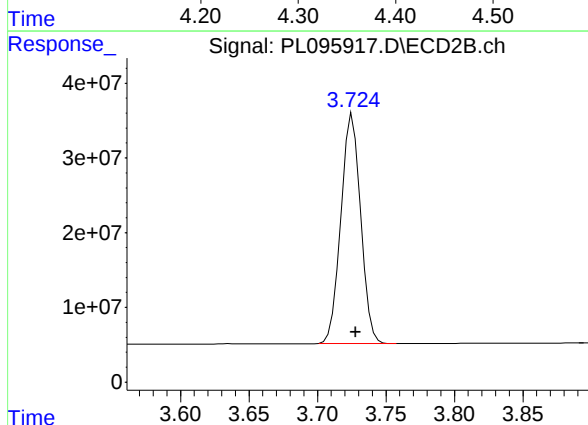
#3 gamma-BHC (Lindane)

R.T.: 4.361 min
Delta R.T.: 0.000 min
Response: 249588563
Conc: 55.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168264BS

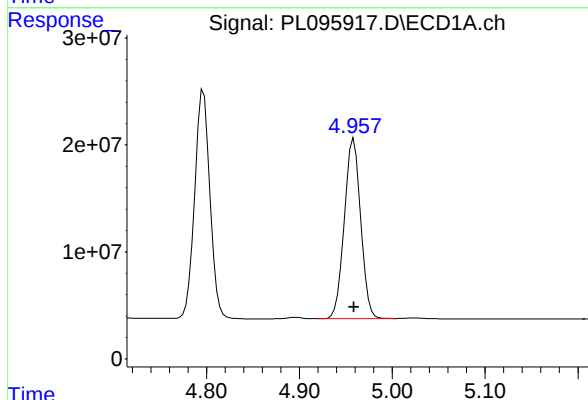
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



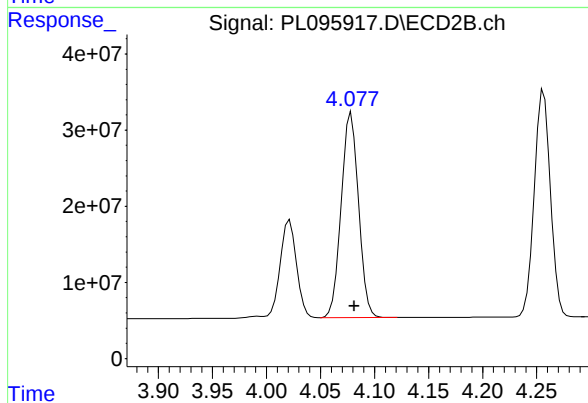
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: -0.002 min
Response: 308891057
Conc: 55.15 ng/ml



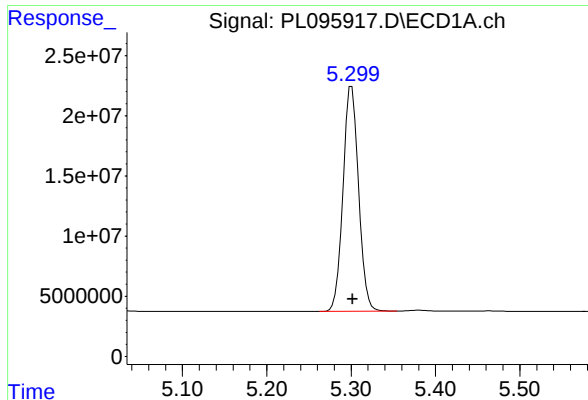
#4 Heptachlor

R.T.: 4.959 min
Delta R.T.: 0.000 min
Response: 206179480
Conc: 54.47 ng/ml



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: -0.003 min
Response: 300605750
Conc: 53.59 ng/ml



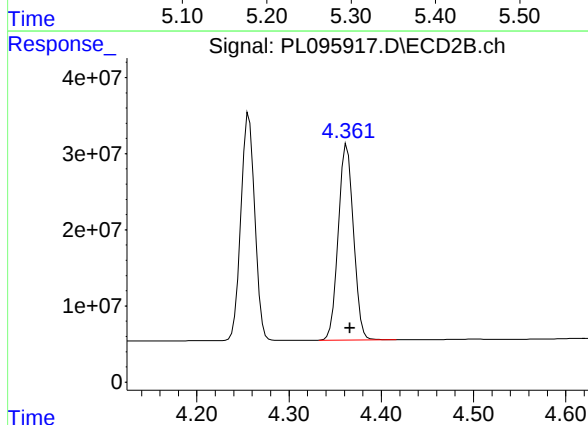
#5 Aldrin

R.T.: 5.301 min
Delta R.T.: -0.001 min
Response: 239373190
Conc: 55.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168264BS

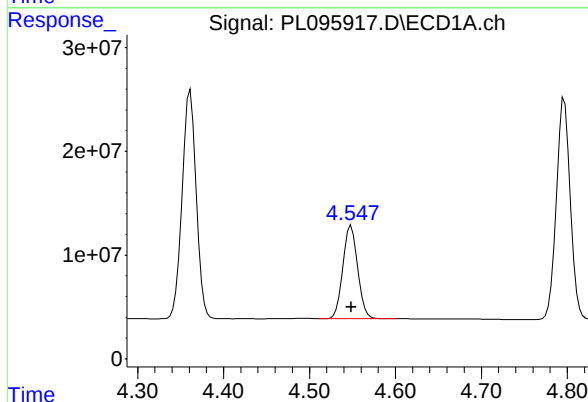
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



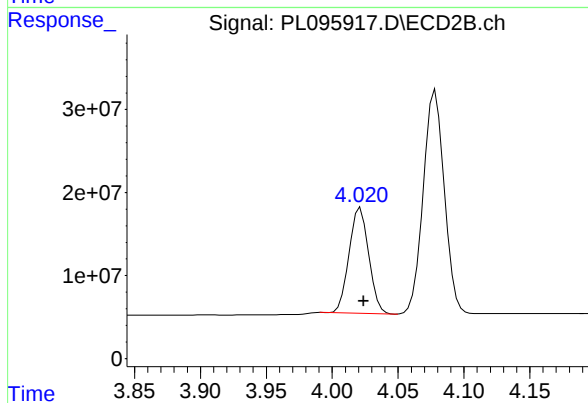
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: -0.003 min
Response: 293876795
Conc: 55.37 ng/ml



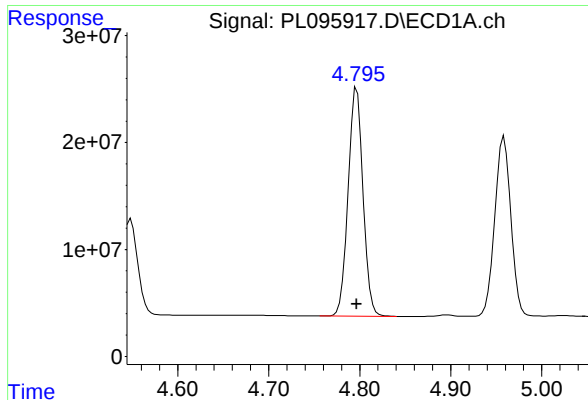
#6 beta-BHC

R.T.: 4.549 min
Delta R.T.: 0.000 min
Response: 107005163
Conc: 54.28 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: -0.002 min
Response: 132047950
Conc: 53.30 ng/ml



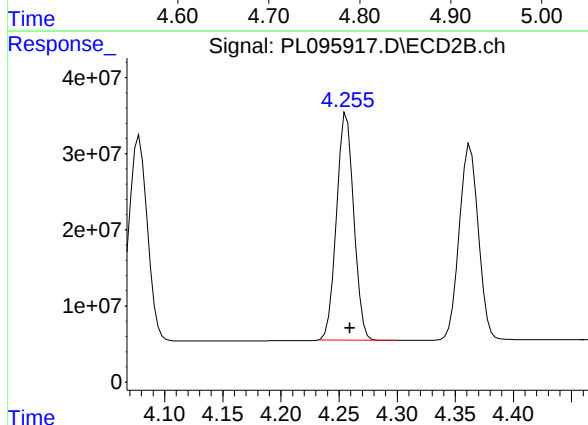
#7 delta-BHC

R.T.: 4.797 min
Delta R.T.: 0.000 min
Response: 244087101
Conc: 55.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168264BS

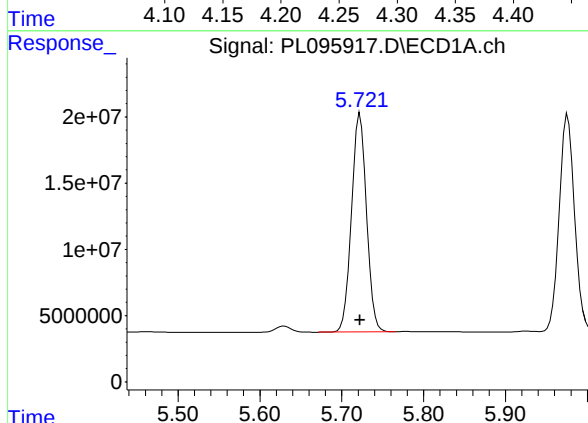
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



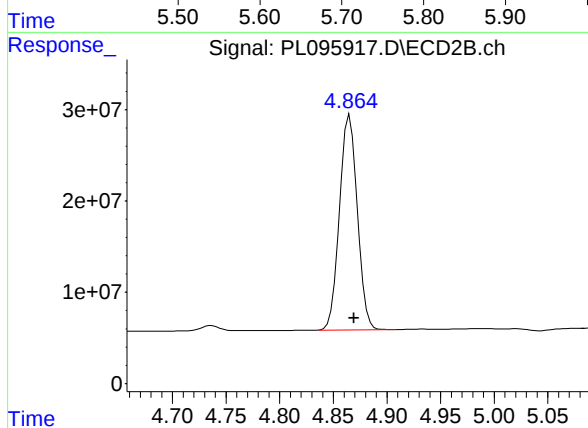
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: -0.003 min
Response: 309300024
Conc: 54.77 ng/ml



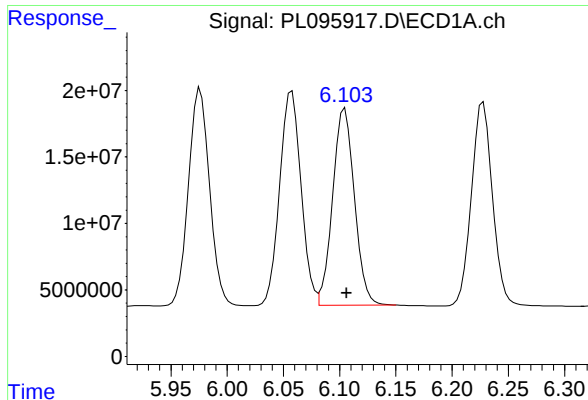
#8 Heptachlor epoxide

R.T.: 5.722 min
Delta R.T.: 0.000 min
Response: 210880145
Conc: 55.25 ng/ml



#8 Heptachlor epoxide

R.T.: 4.865 min
Delta R.T.: -0.004 min
Response: 272302763
Conc: 55.15 ng/ml



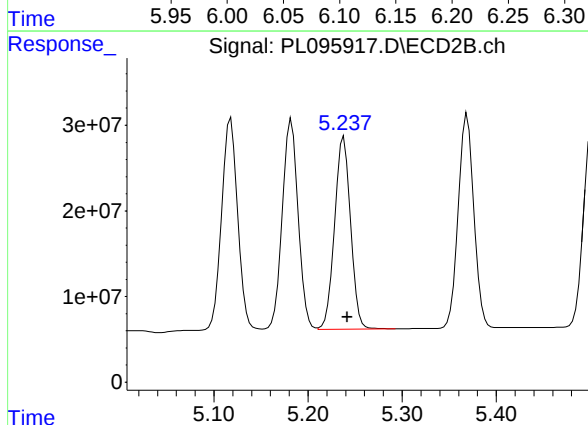
#9 Endosulfan I

R.T.: 6.105 min
Delta R.T.: -0.001 min
Response: 199625948
Conc: 54.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168264BS

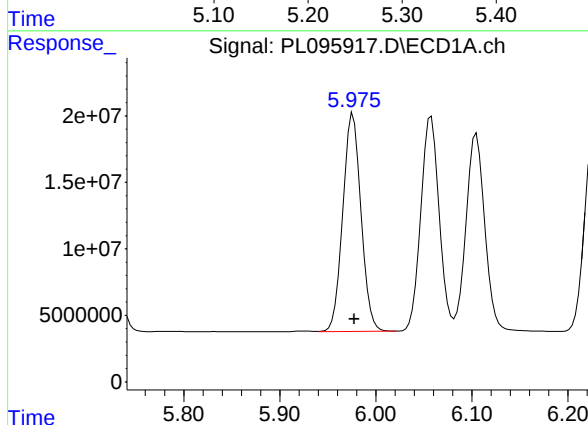
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



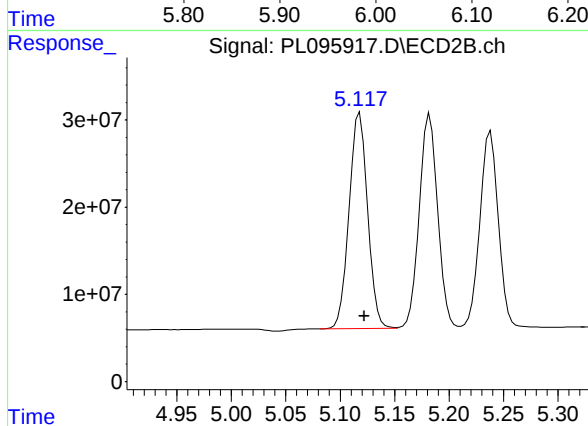
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: -0.004 min
Response: 265257105
Conc: 55.67 ng/ml



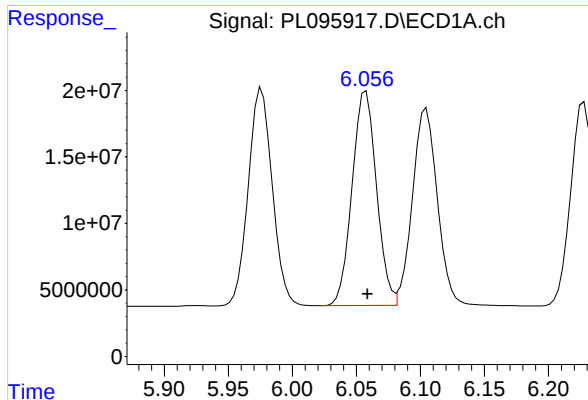
#10 gamma-Chlordane

R.T.: 5.976 min
Delta R.T.: -0.001 min
Response: 214065328
Conc: 55.00 ng/ml



#10 gamma-Chlordane

R.T.: 5.118 min
Delta R.T.: -0.004 min
Response: 293024773
Conc: 55.79 ng/ml



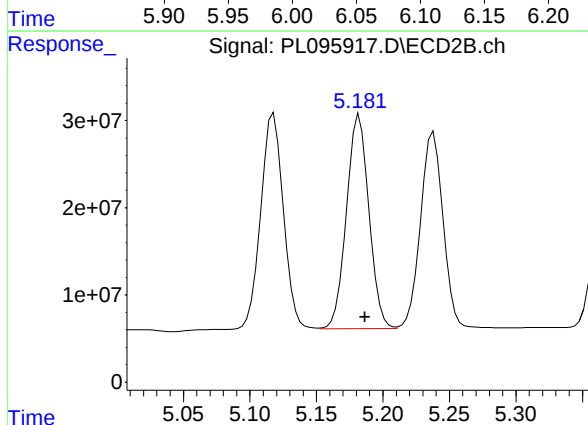
#11 alpha-Chlordane

R.T.: 6.057 min
Delta R.T.: -0.001 min
Response: 214161531
Conc: 54.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168264BS

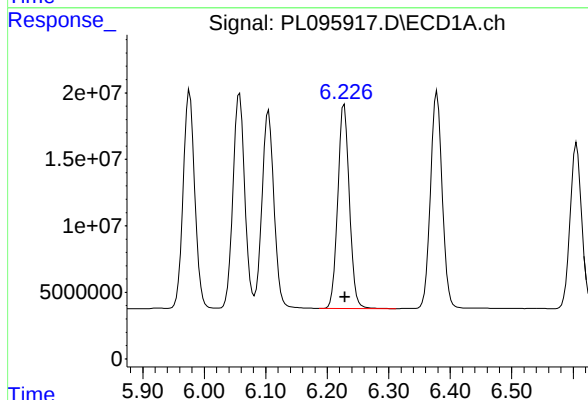
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



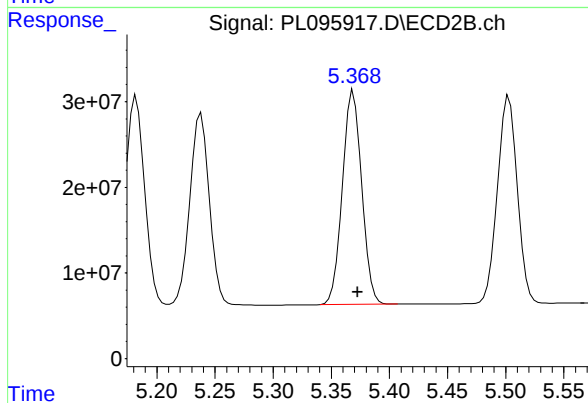
#11 alpha-Chlordane

R.T.: 5.182 min
Delta R.T.: -0.004 min
Response: 288238801
Conc: 55.40 ng/ml



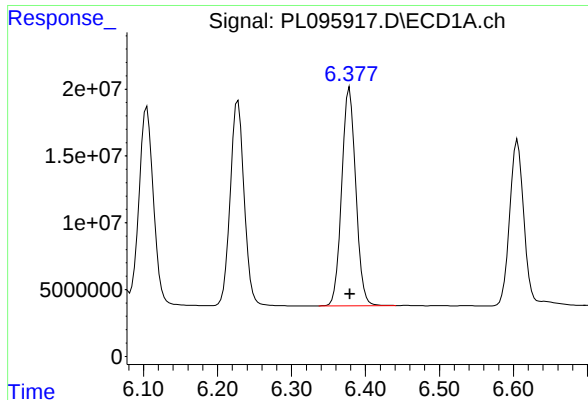
#12 4,4'-DDE

R.T.: 6.228 min
Delta R.T.: -0.001 min
Response: 200438557
Conc: 54.65 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: -0.004 min
Response: 288314624
Conc: 53.77 ng/ml



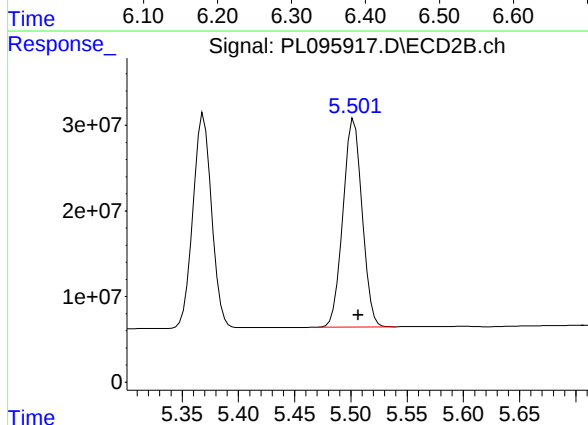
#13 Dieldrin

R.T.: 6.378 min
Delta R.T.: -0.001 min
Response: 214733585
Conc: 55.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168264BS

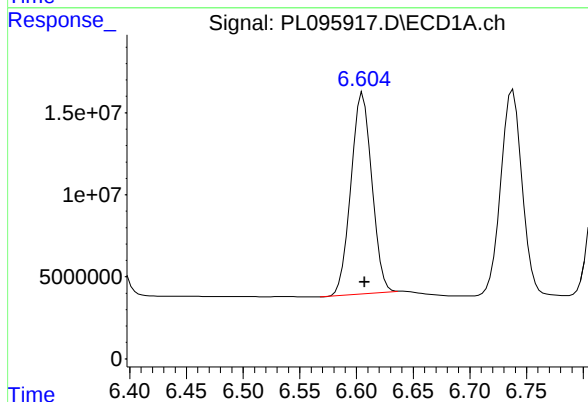
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



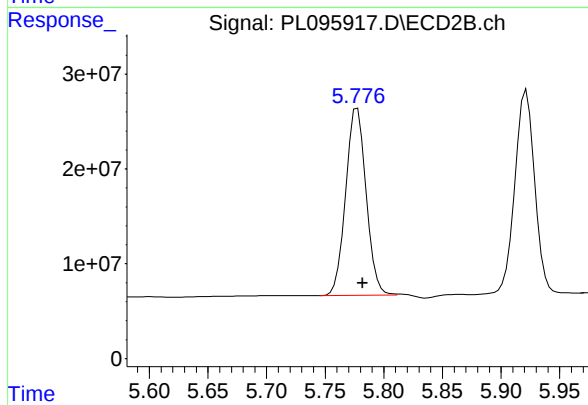
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: -0.004 min
Response: 288522043
Conc: 54.44 ng/ml



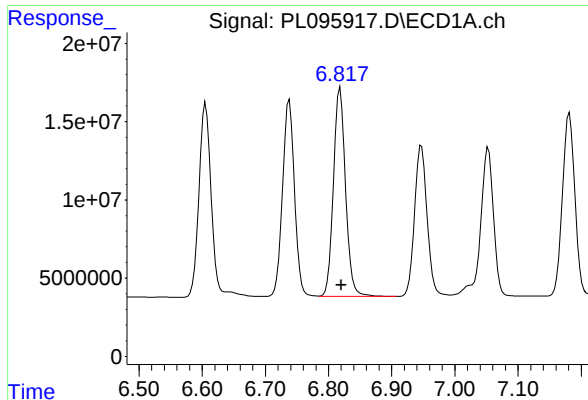
#14 Endrin

R.T.: 6.606 min
Delta R.T.: -0.001 min
Response: 157705049
Conc: 48.87 ng/ml



#14 Endrin

R.T.: 5.776 min
Delta R.T.: -0.006 min
Response: 238808905
Conc: 48.98 ng/ml m



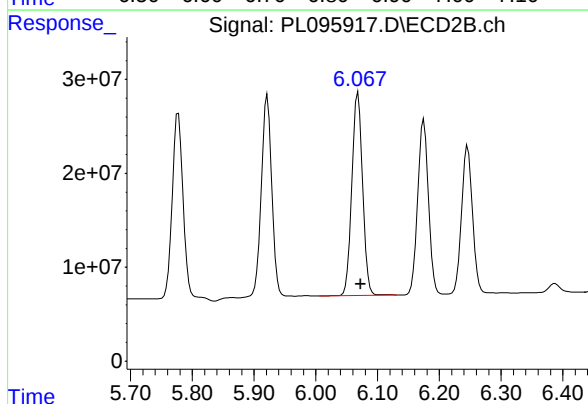
#15 Endosulfan II

R.T.: 6.818 min
Delta R.T.: -0.002 min
Response: 177140455
Conc: 51.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168264BS

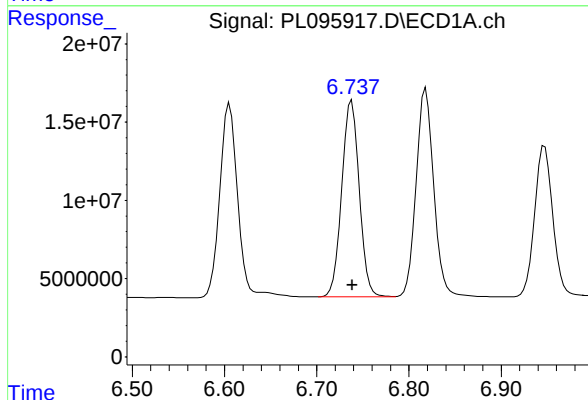
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



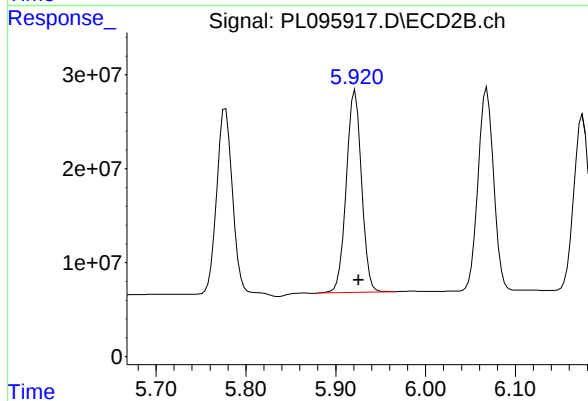
#15 Endosulfan II

R.T.: 6.068 min
Delta R.T.: -0.004 min
Response: 261396101
Conc: 55.01 ng/ml



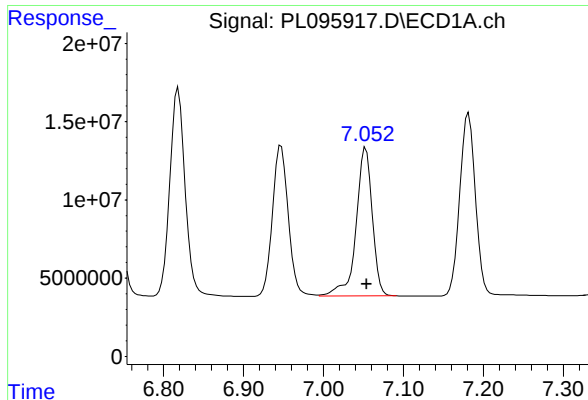
#16 4,4'-DDD

R.T.: 6.738 min
Delta R.T.: 0.000 min
Response: 165289424
Conc: 56.40 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: -0.004 min
Response: 252960845
Conc: 57.69 ng/ml



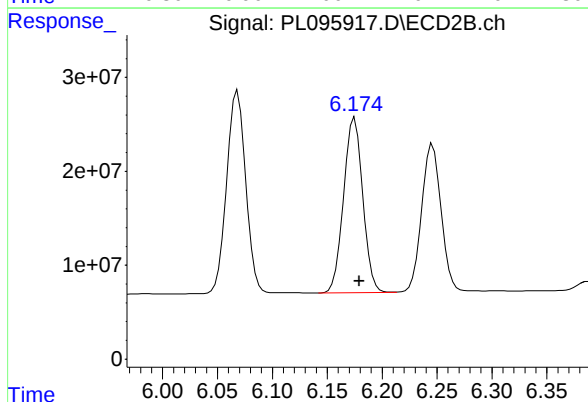
#17 4,4'-DDT

R.T.: 7.053 min
Delta R.T.: -0.001 min
Response: 133218053
Conc: 49.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168264BS

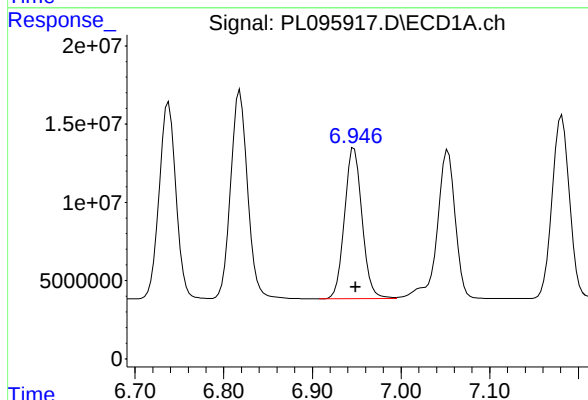
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



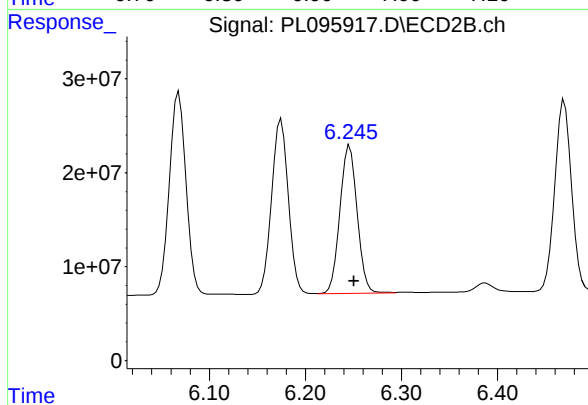
#17 4,4'-DDT

R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 226685252
Conc: 47.40 ng/ml



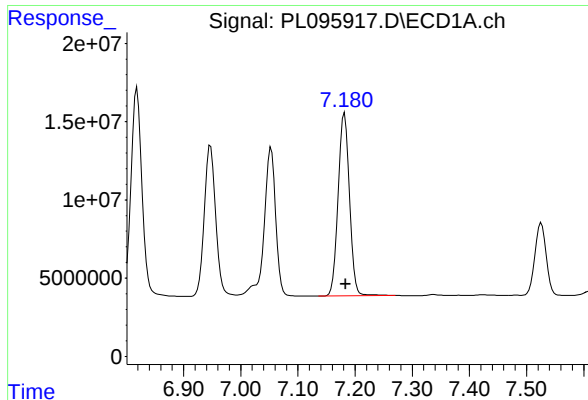
#18 Endrin aldehyde

R.T.: 6.947 min
Delta R.T.: -0.002 min
Response: 132720349
Conc: 54.90 ng/ml



#18 Endrin aldehyde

R.T.: 6.246 min
Delta R.T.: -0.005 min
Response: 194992287
Conc: 56.45 ng/ml



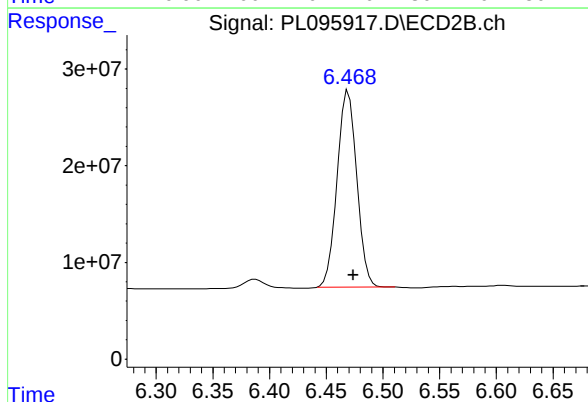
#19 Endosulfan Sulfate

R.T.: 7.181 min
Delta R.T.: -0.002 min
Response: 160623464
Conc: 53.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168264BS

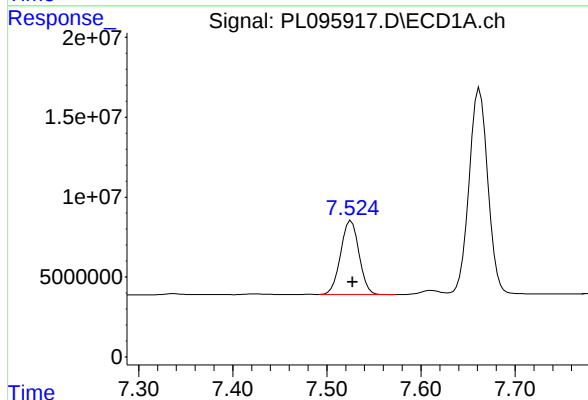
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



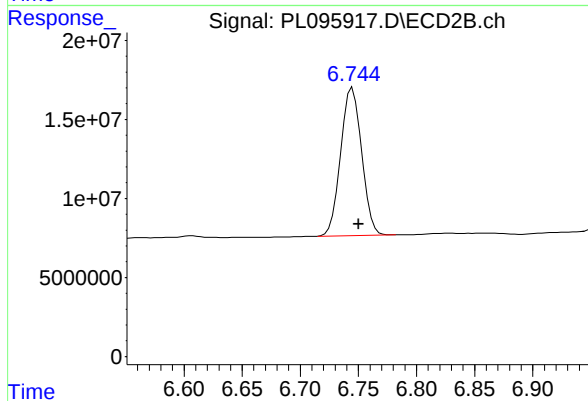
#19 Endosulfan Sulfate

R.T.: 6.470 min
Delta R.T.: -0.004 min
Response: 244974914
Conc: 54.50 ng/ml



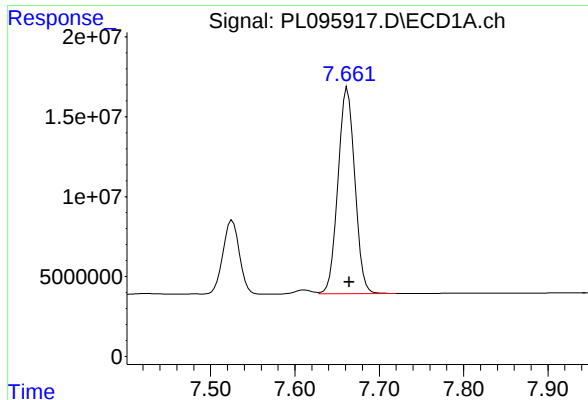
#20 Methoxychlor

R.T.: 7.526 min
Delta R.T.: -0.002 min
Response: 62825073
Conc: 49.26 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: -0.005 min
Response: 117431678
Conc: 44.89 ng/ml



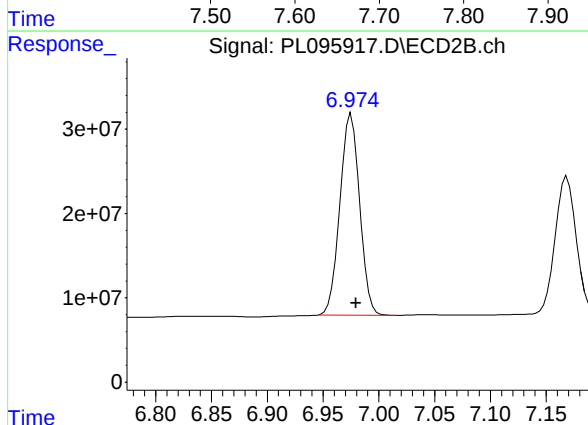
#21 Endrin ketone

R.T.: 7.662 min
Delta R.T.: -0.002 min
Response: 178908212
Conc: 56.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168264BS

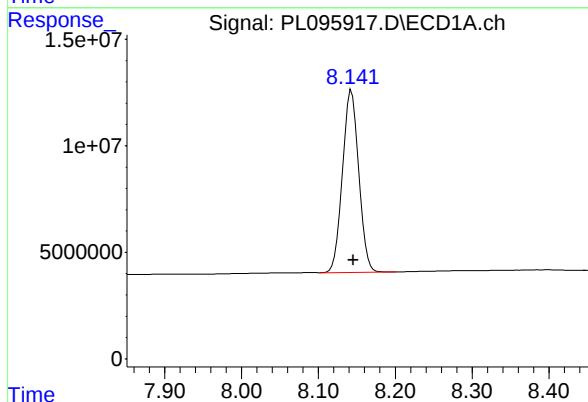
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



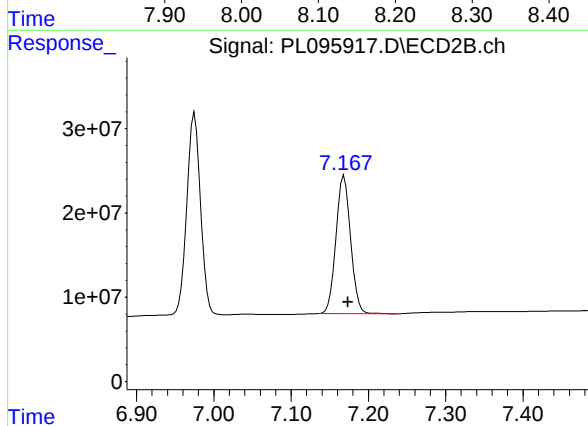
#21 Endrin ketone

R.T.: 6.975 min
Delta R.T.: -0.004 min
Response: 293629549
Conc: 56.75 ng/ml



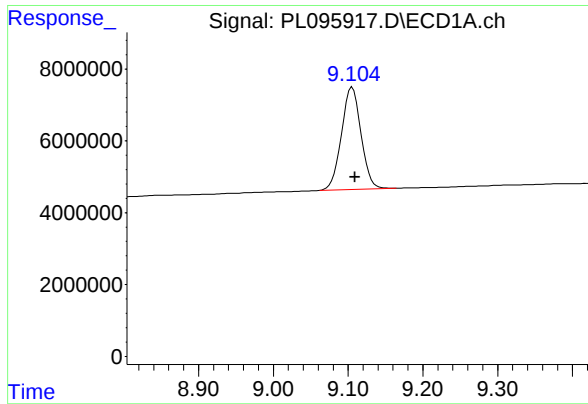
#22 Mirex

R.T.: 8.143 min
Delta R.T.: -0.002 min
Response: 124573889
Conc: 53.84 ng/ml



#22 Mirex

R.T.: 7.169 min
Delta R.T.: -0.005 min
Response: 216724669
Conc: 53.37 ng/ml



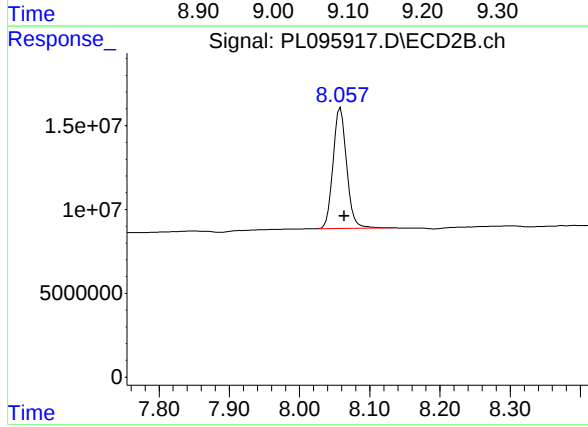
#28 Decachlorobiphenyl

R.T.: 9.106 min
Delta R.T.: -0.003 min
Response: 51809620
Conc: 21.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168264BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: -0.005 min
Response: 96608301
Conc: 22.08 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/30/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	05/30/25
Client Sample ID:	OR-400-CF-402B-COMP-23MS	SDG No.:	Q2177
Lab Sample ID:	Q2173-06MS	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095898.D	1	06/03/25 11:34	06/03/25 17:15	PB168264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.10		0.037	0.50	ug/L
76-44-8	Heptachlor	4.90		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.00		0.096	0.50	ug/L
72-20-8	Endrin	4.50		0.032	0.50	ug/L
72-43-5	Methoxychlor	4.50		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.5		30 (57) - 150 (171)	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		30 (61) - 150 (148)	94%	SPK: 20

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\PL060325\
 Data File : PL095898.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 17:15
 Operator : AR\AJ
 Sample : Q2173-06MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OR-400-CF-402B-COMP-23MS

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/04/2025
 Supervised By : mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 03:39:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.572	2.886	58509111	73778723	18.543	18.850
28) SA Decachlor...	9.099	8.060	41292066	71495810	17.524	16.344
Target Compounds						
2) A alpha-BHC	4.024	3.396	243.9E6	308.6E6	50.303	52.687
3) MA gamma-BHC...	4.355	3.729	222.5E6	285.5E6	49.756	50.963
4) MA Heptachlor	4.953	4.081	181.4E6	272.6E6	47.929	48.594
5) MB Aldrin	5.295	4.366	191.3E6	251.3E6	44.716	47.346
6) B beta-BHC	4.543	4.023	96082723	127.2E6	48.739	51.329m
7) B delta-BHC	4.791	4.260	221.7E6	286.9E6	50.004	50.796
8) B Heptachlo...	5.716	4.868	182.1E6	247.8E6	47.710	50.179
9) A Endosulfan I	6.099	5.240	172.1E6	233.7E6	46.967	49.045
10) B gamma-Chl...	5.970	5.120	183.6E6	258.7E6	47.162	49.248
11) B alpha-Chl...	6.052	5.185	182.5E6	254.1E6	46.213	48.843
12) B 4,4'-DDE	6.221	5.371	169.6E6	252.1E6	46.235	47.006
13) MA Dieldrin	6.373	5.505	183.9E6	252.0E6	47.644	47.549
14) MA Endrin	6.600	5.779	144.6E6	217.5E6	44.823	44.602
15) B Endosulfa...	6.812	6.070	154.6E6	229.1E6	44.856	48.223
16) A 4,4'-DDD	6.732	5.923	136.1E6	213.8E6	46.448	48.753
17) MA 4,4'-DDT	7.047	6.176	124.1E6	207.1E6	45.863	43.298
18) B Endrin al...	6.941	6.248	116.5E6	167.1E6	48.203	48.368
19) B Endosulfa...	7.176	6.471	138.6E6	207.5E6	46.419	46.163
20) A Methoxychlor	7.520	6.747	57735485	108.9E6	45.271	41.623
21) B Endrin ke...	7.657	6.977	152.1E6	234.9E6	48.018	45.397
22) Mirex	8.138	7.170	106.6E6	176.4E6	46.063	43.452

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095898.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 17:15
Operator : AR\AJ
Sample : Q2173-06MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

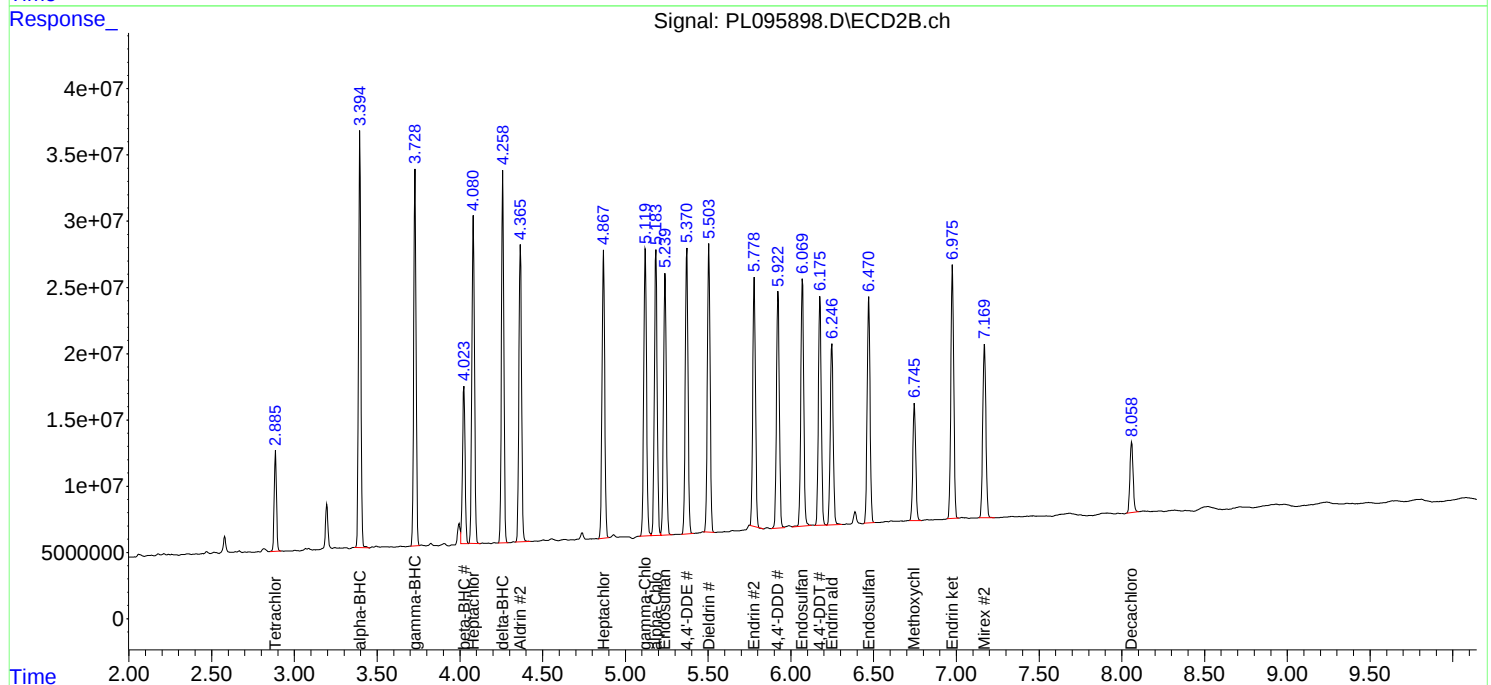
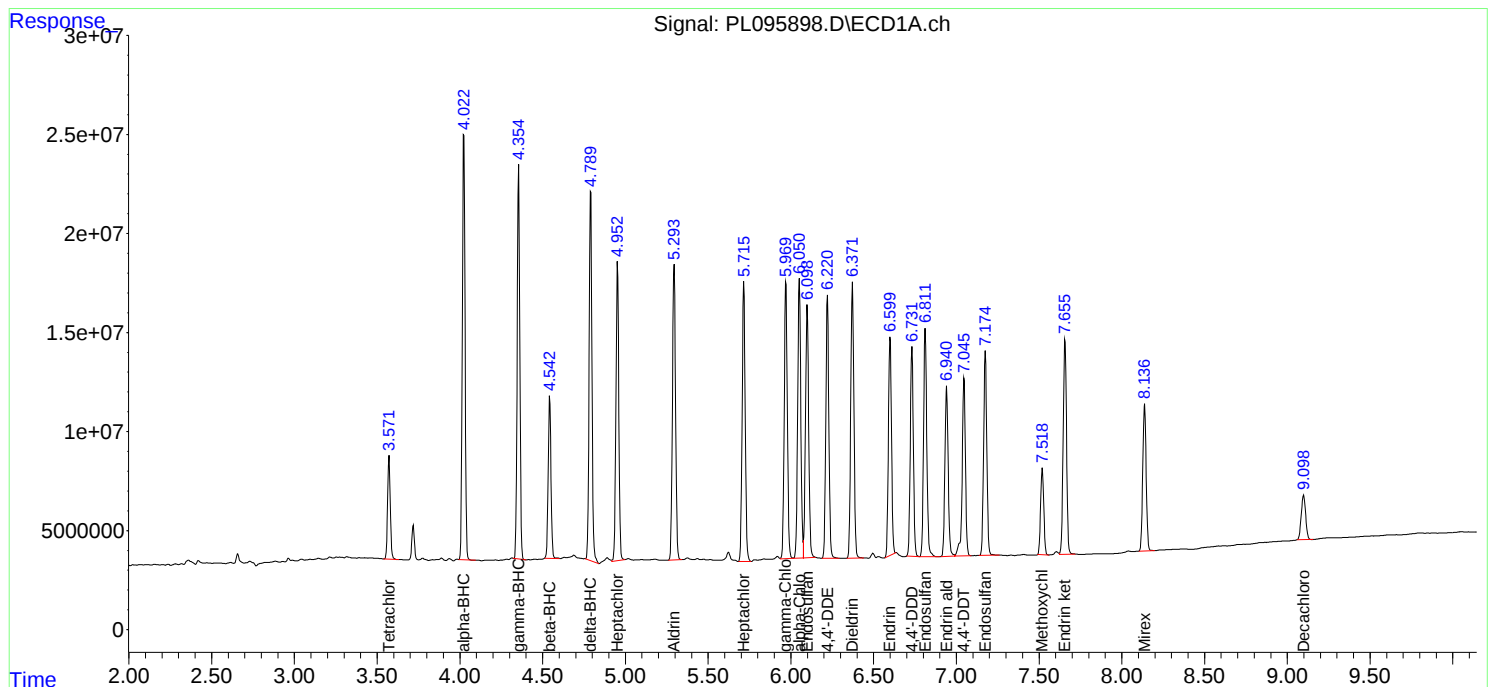
Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MS

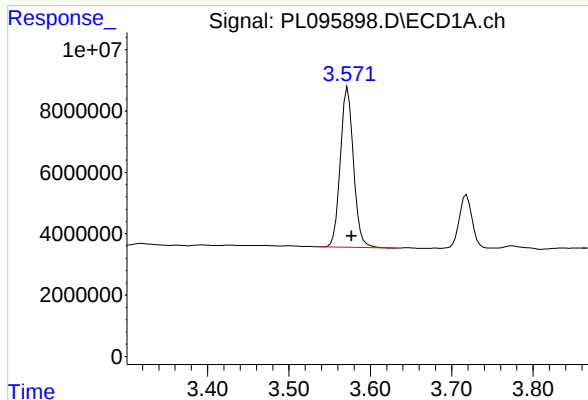
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/04/2025
Supervised By : mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:39:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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





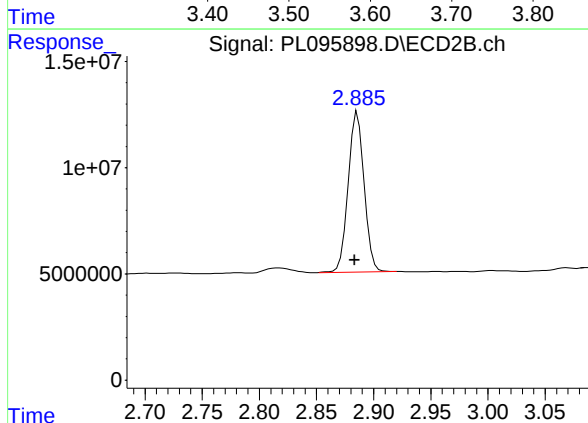
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 58509111
Conc: 18.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MS

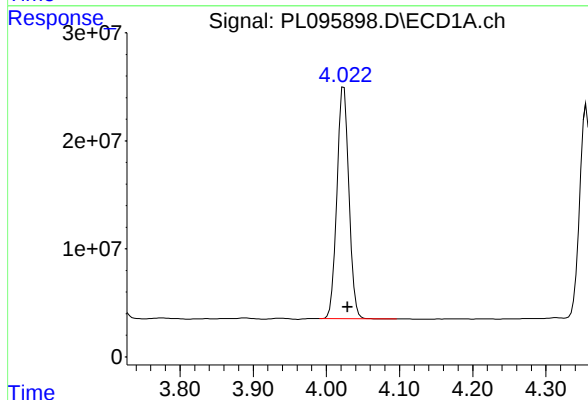
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



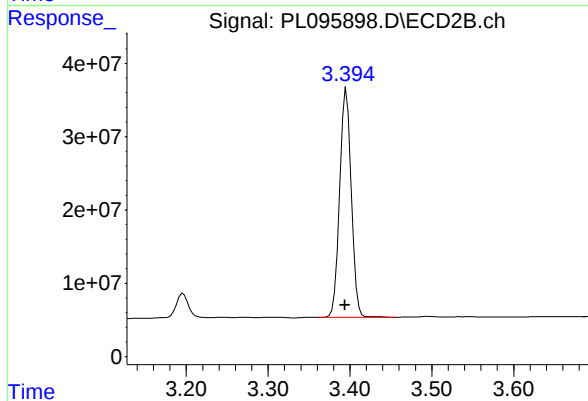
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 73778723
Conc: 18.85 ng/ml



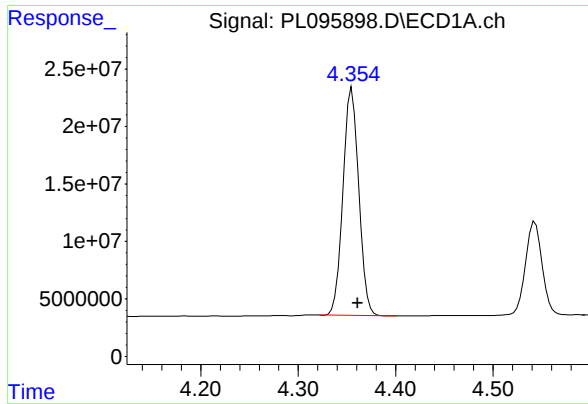
#2 alpha-BHC

R.T.: 4.024 min
Delta R.T.: -0.005 min
Response: 243866102
Conc: 50.30 ng/ml



#2 alpha-BHC

R.T.: 3.396 min
Delta R.T.: 0.002 min
Response: 308603229
Conc: 52.69 ng/ml



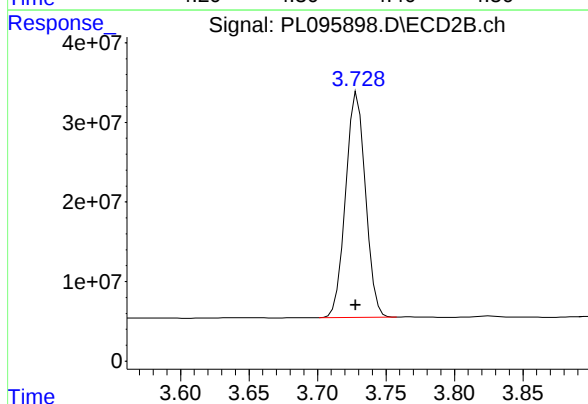
#3 gamma-BHC (Lindane)

R.T.: 4.355 min
Delta R.T.: -0.006 min
Response: 222500694
Conc: 49.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MS

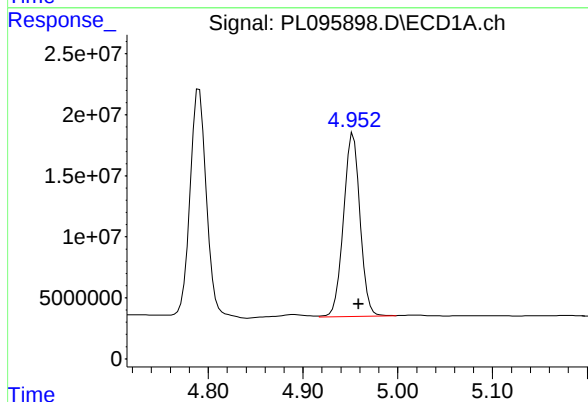
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



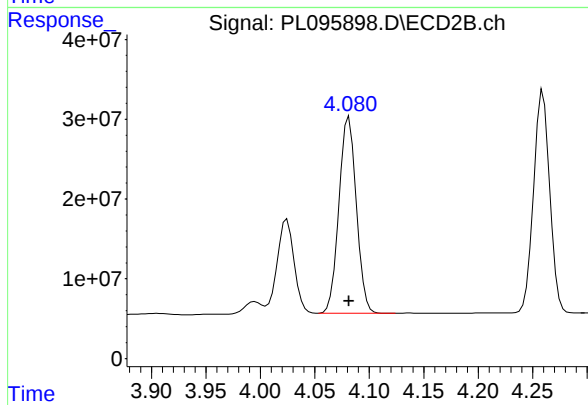
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.001 min
Response: 285455719
Conc: 50.96 ng/ml



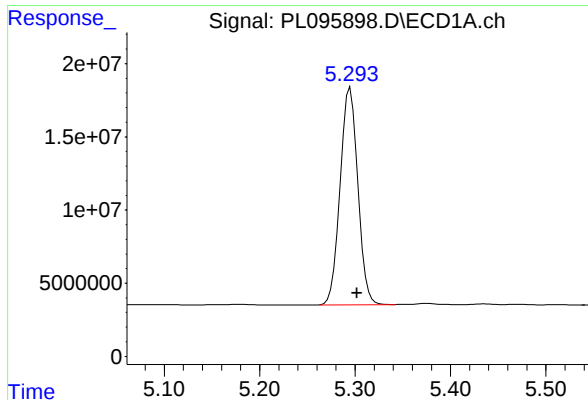
#4 Heptachlor

R.T.: 4.953 min
Delta R.T.: -0.006 min
Response: 181412455
Conc: 47.93 ng/ml



#4 Heptachlor

R.T.: 4.081 min
Delta R.T.: 0.000 min
Response: 272566426
Conc: 48.59 ng/ml



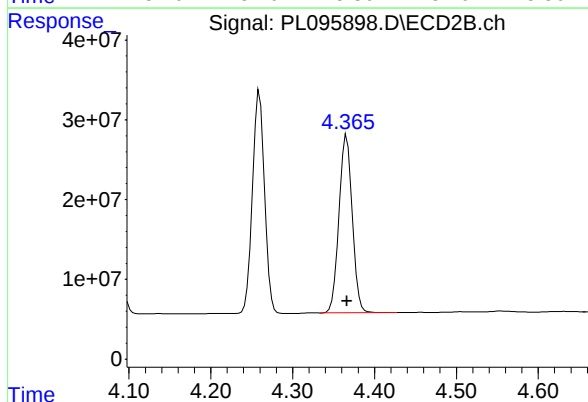
#5 Aldrin

R.T.: 5.295 min
Delta R.T.: -0.007 min
Response: 191283094
Conc: 44.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MS

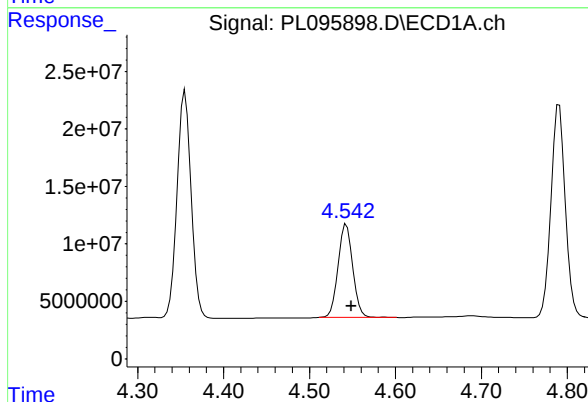
Manual Integrations
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Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



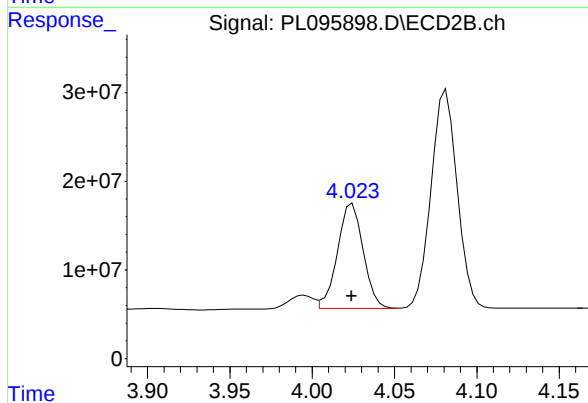
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: 0.000 min
Response: 251267853
Conc: 47.35 ng/ml



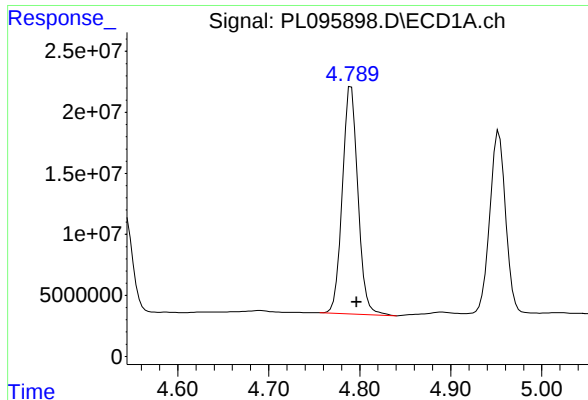
#6 beta-BHC

R.T.: 4.543 min
Delta R.T.: -0.006 min
Response: 96082723
Conc: 48.74 ng/ml



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 127169893
Conc: 51.33 ng/ml m



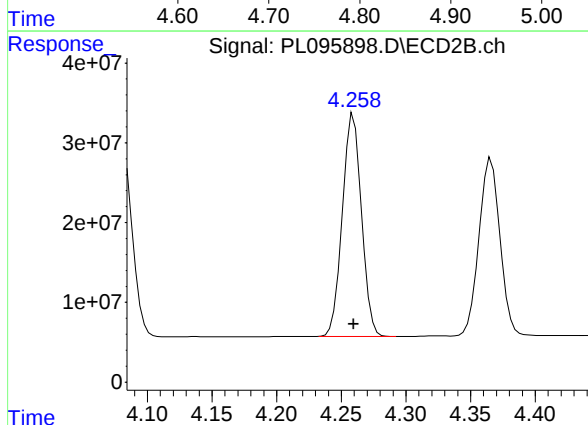
#7 delta-BHC

R.T.: 4.791 min
Delta R.T.: -0.006 min
Response: 221696276
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MS

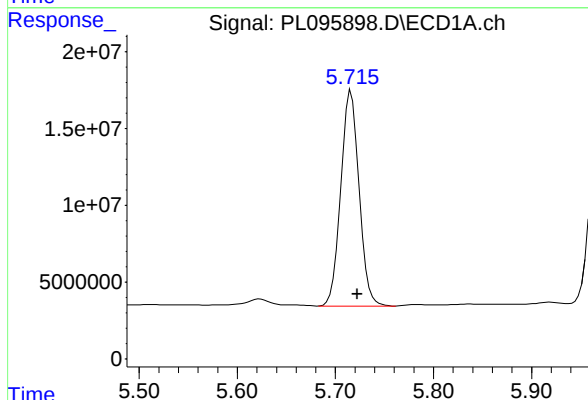
Manual Integrations
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Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



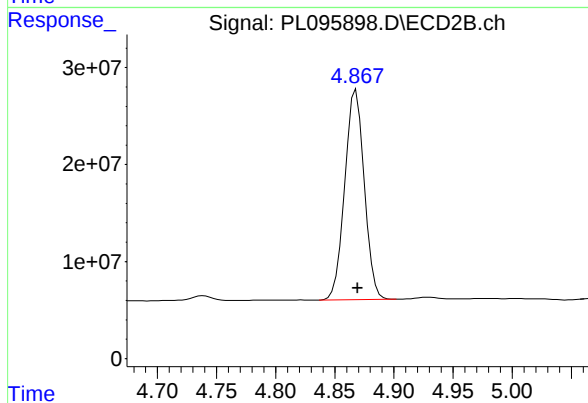
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: 0.000 min
Response: 286864846
Conc: 50.80 ng/ml



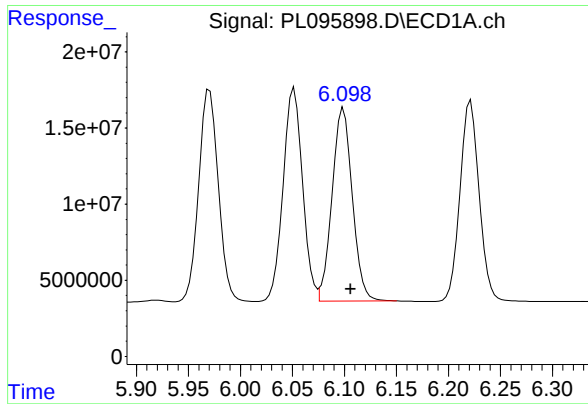
#8 Heptachlor epoxide

R.T.: 5.716 min
Delta R.T.: -0.006 min
Response: 182101895
Conc: 47.71 ng/ml



#8 Heptachlor epoxide

R.T.: 4.868 min
Delta R.T.: -0.001 min
Response: 247755830
Conc: 50.18 ng/ml



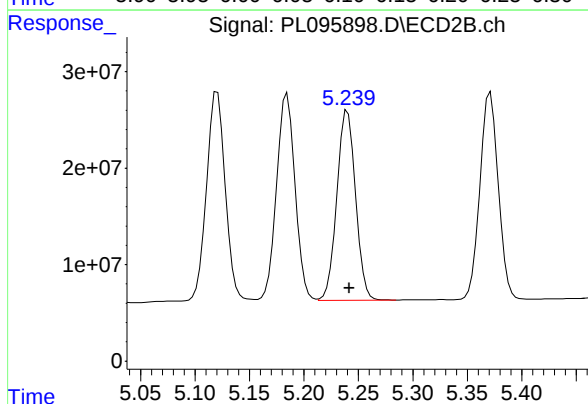
#9 Endosulfan I

R.T.: 6.099 min
Delta R.T.: -0.007 min
Response: 172126654
Conc: 46.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MS

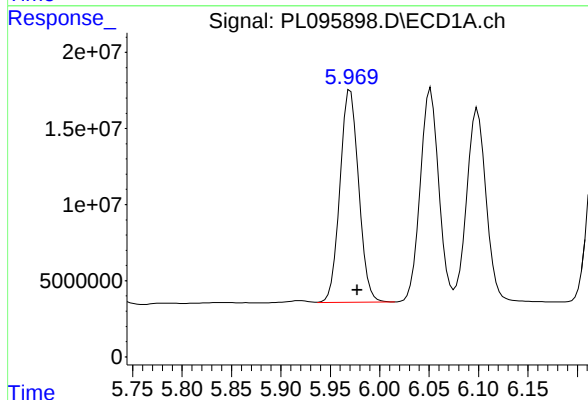
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



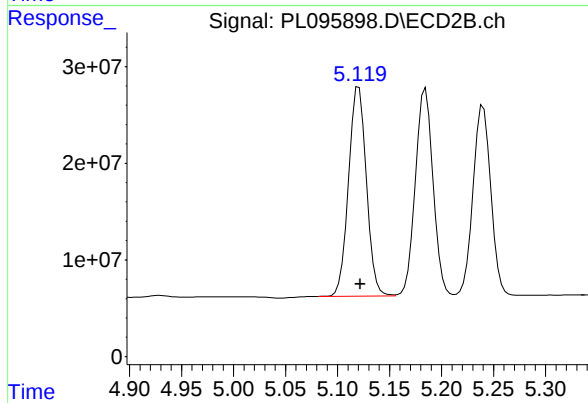
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: -0.002 min
Response: 233698305
Conc: 49.05 ng/ml



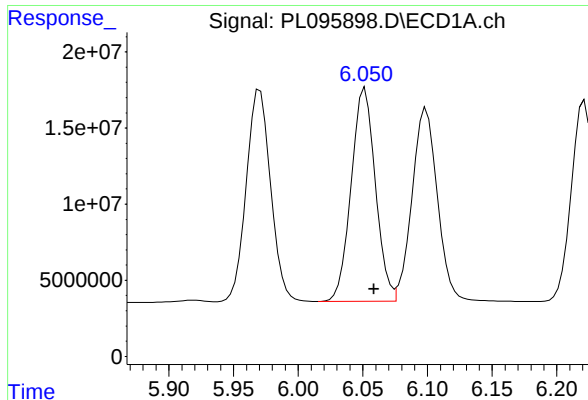
#10 gamma-Chlordane

R.T.: 5.970 min
Delta R.T.: -0.007 min
Response: 183559492
Conc: 47.16 ng/ml



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: -0.001 min
Response: 258687083
Conc: 49.25 ng/ml



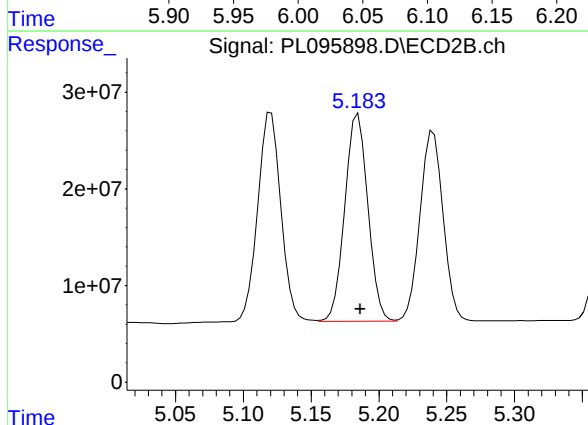
#11 alpha-Chlordane

R.T.: 6.052 min
Delta R.T.: -0.007 min
Response: 182455912
Conc: 46.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MS

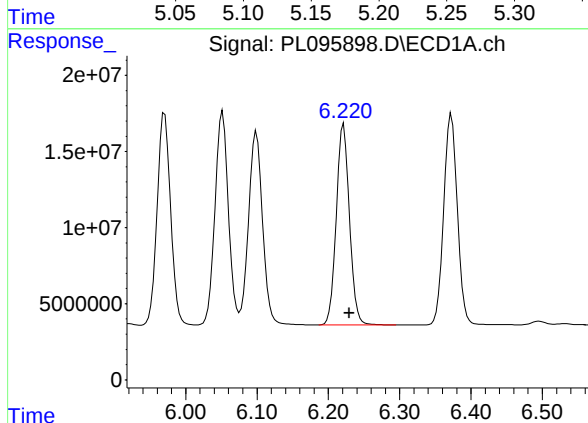
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



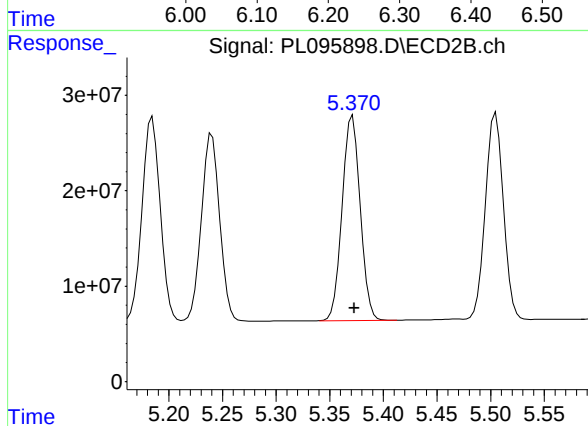
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: -0.002 min
Response: 254117755
Conc: 48.84 ng/ml



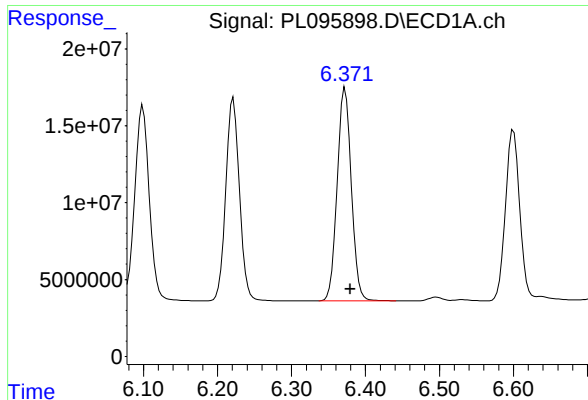
#12 4,4'-DDE

R.T.: 6.221 min
Delta R.T.: -0.008 min
Response: 169583997
Conc: 46.23 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: -0.002 min
Response: 252054226
Conc: 47.01 ng/ml



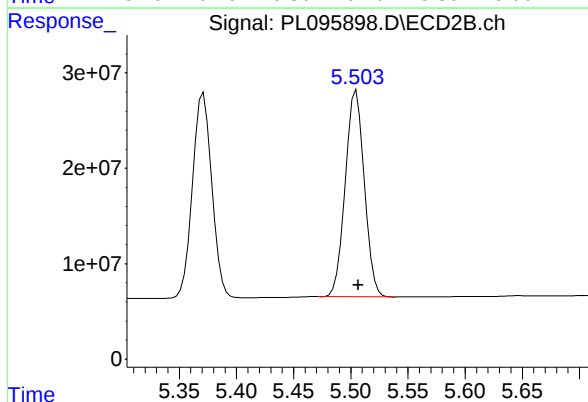
#13 Dieldrin

R.T.: 6.373 min
Delta R.T.: -0.007 min
Response: 183866070
Conc: 47.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MS

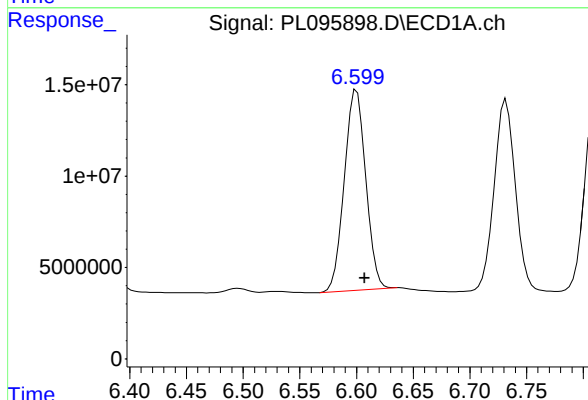
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



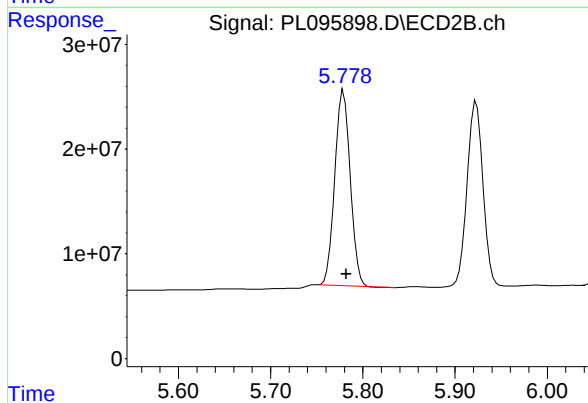
#13 Dieldrin

R.T.: 5.505 min
Delta R.T.: -0.002 min
Response: 252014996
Conc: 47.55 ng/ml



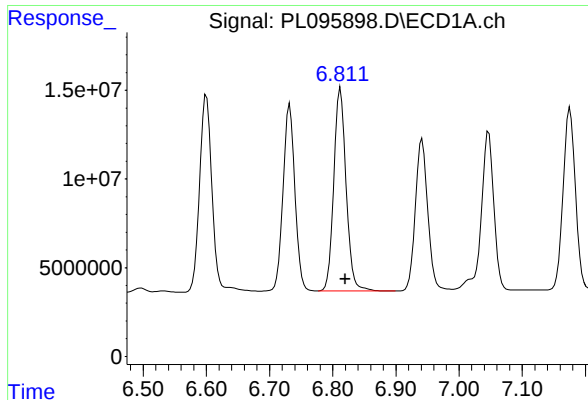
#14 Endrin

R.T.: 6.600 min
Delta R.T.: -0.007 min
Response: 144633371
Conc: 44.82 ng/ml



#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 217484356
Conc: 44.60 ng/ml



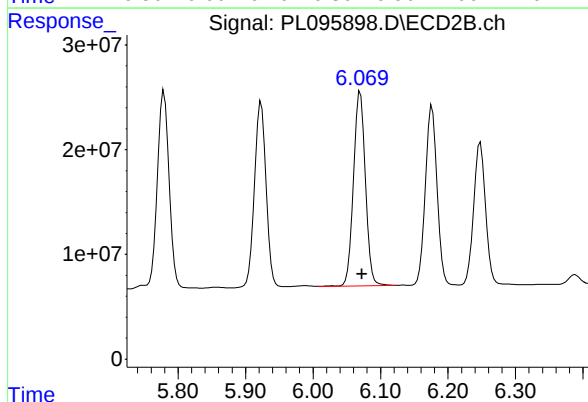
#15 Endosulfan II

R.T.: 6.812 min
Delta R.T.: -0.008 min
Response: 154577641
Conc: 44.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MS

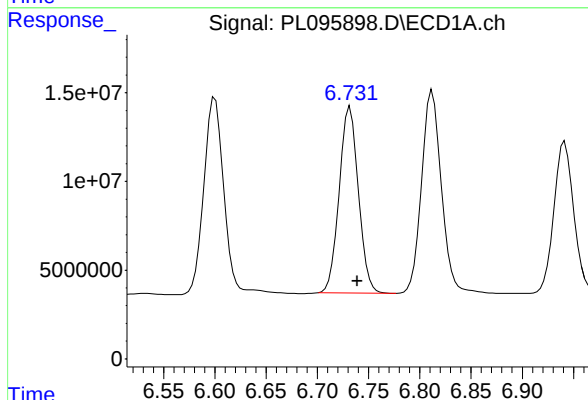
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
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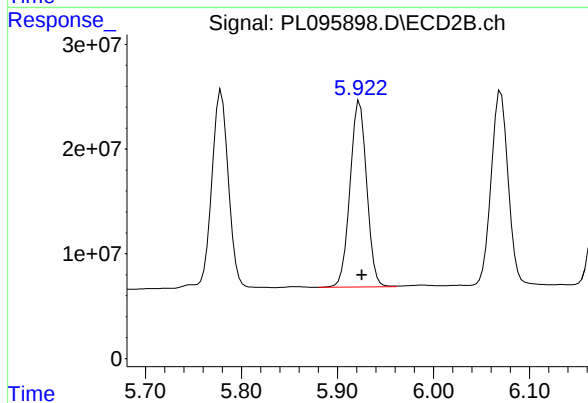
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 229144592
Conc: 48.22 ng/ml



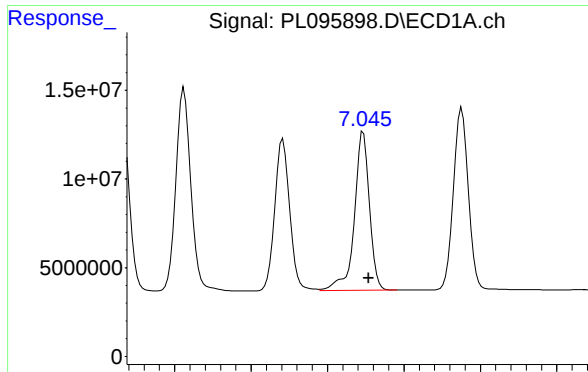
#16 4,4'-DDD

R.T.: 6.732 min
Delta R.T.: -0.007 min
Response: 136120331
Conc: 46.45 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.003 min
Response: 213778032
Conc: 48.75 ng/ml



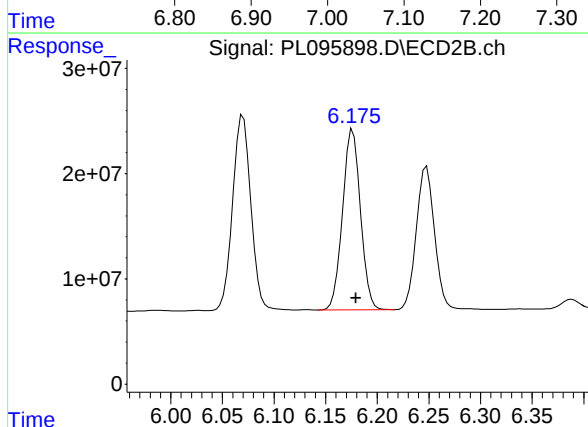
#17 4,4'-DDT

R.T.: 7.047 min
Delta R.T.: -0.007 min
Response: 124065790
Conc: 45.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MS

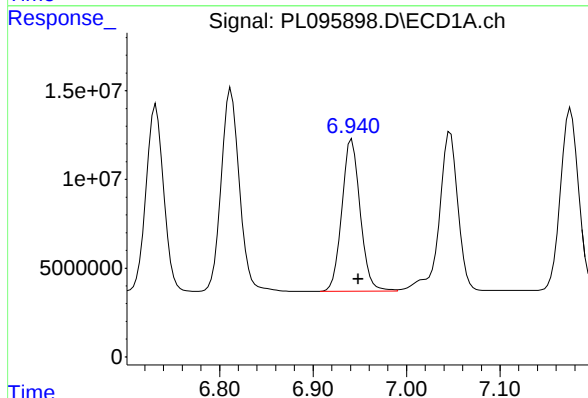
Manual Integrations
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Supervised By :mohammad ahmed 06/05/2025



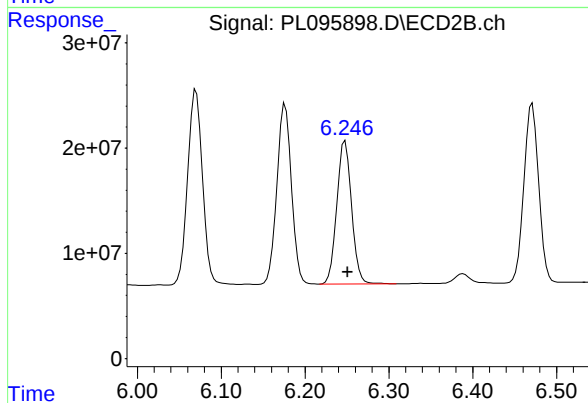
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.003 min
Response: 207074468
Conc: 43.30 ng/ml



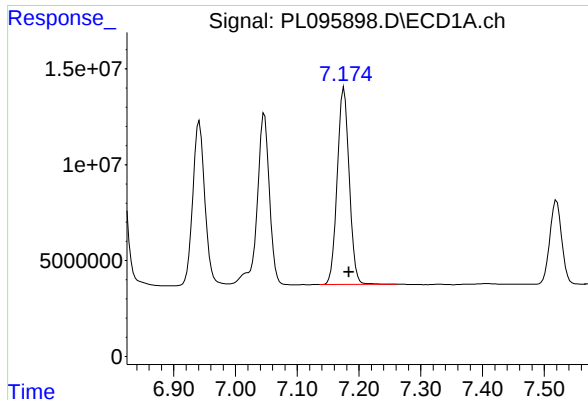
#18 Endrin aldehyde

R.T.: 6.941 min
Delta R.T.: -0.007 min
Response: 116536421
Conc: 48.20 ng/ml



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.003 min
Response: 167077537
Conc: 48.37 ng/ml



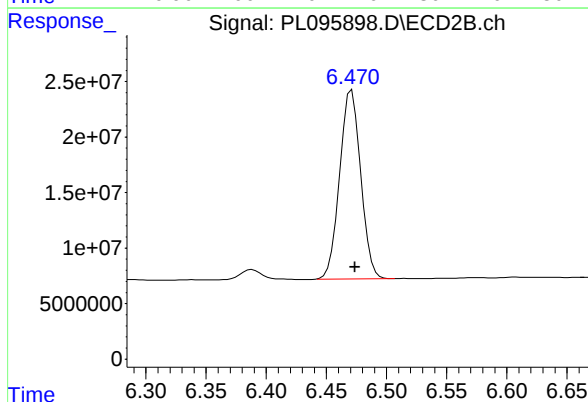
#19 Endosulfan Sulfate

R.T.: 7.176 min
Delta R.T.: -0.008 min
Response: 138649413
Conc: 46.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MS

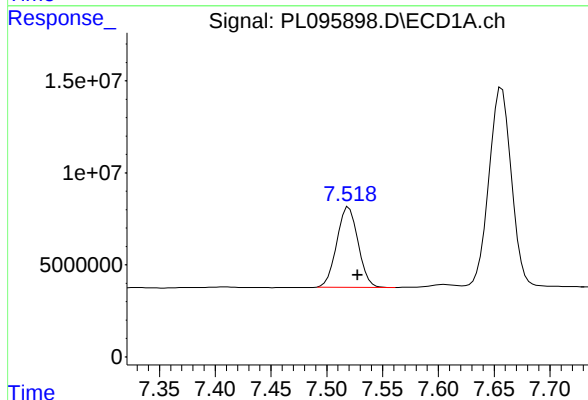
Manual Integrations
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Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



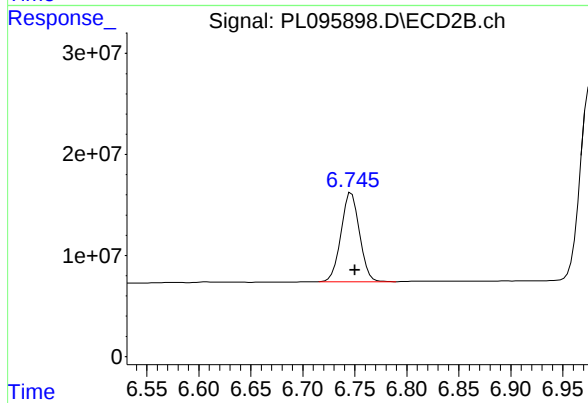
#19 Endosulfan Sulfate

R.T.: 6.471 min
Delta R.T.: -0.003 min
Response: 207491492
Conc: 46.16 ng/ml



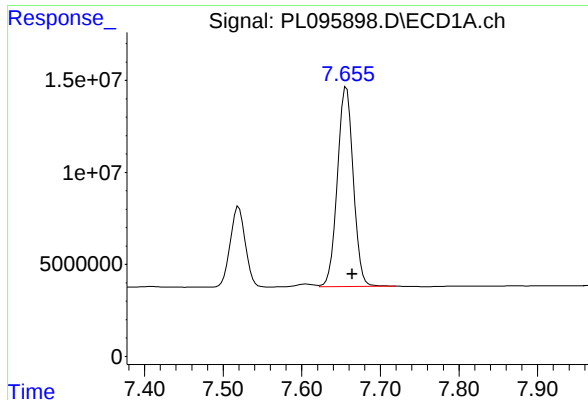
#20 Methoxychlor

R.T.: 7.520 min
Delta R.T.: -0.008 min
Response: 57735485
Conc: 45.27 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.003 min
Response: 108889932
Conc: 41.62 ng/ml



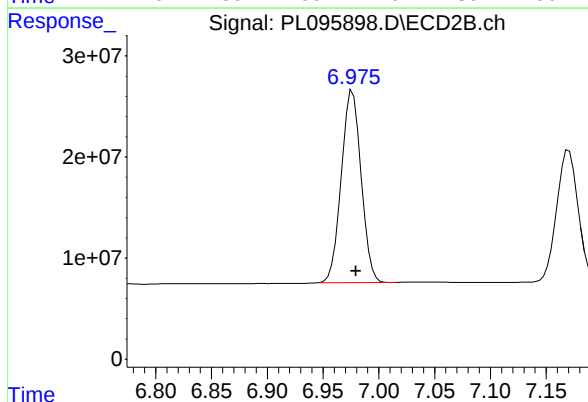
#21 Endrin ketone

R.T.: 7.657 min
Delta R.T.: -0.007 min
Response: 152067428
Conc: 48.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MS

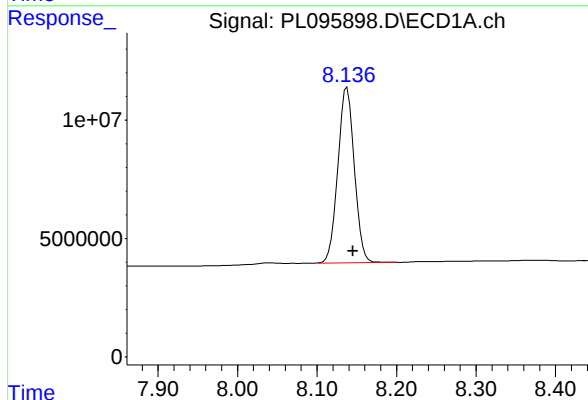
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



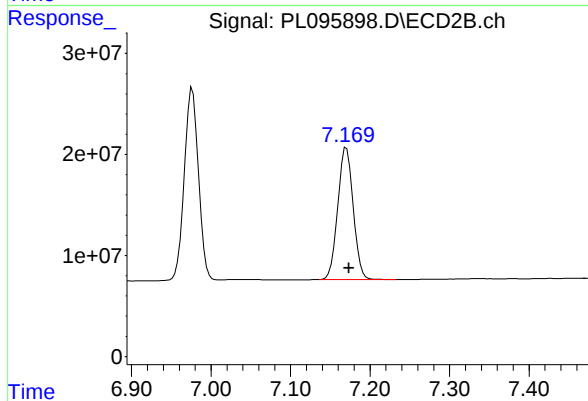
#21 Endrin ketone

R.T.: 6.977 min
Delta R.T.: -0.003 min
Response: 234880393
Conc: 45.40 ng/ml



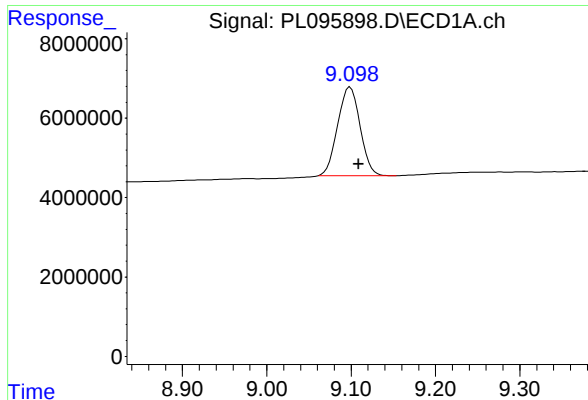
#22 Mirex

R.T.: 8.138 min
Delta R.T.: -0.008 min
Response: 106579196
Conc: 46.06 ng/ml



#22 Mirex

R.T.: 7.170 min
Delta R.T.: -0.003 min
Response: 176437777
Conc: 43.45 ng/ml



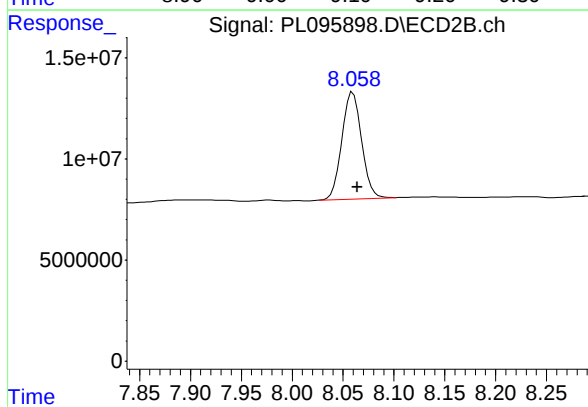
#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 41292066
Conc: 17.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 71495810
Conc: 16.34 ng/ml

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/30/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	05/30/25
Client Sample ID:	OR-400-CF-402B-COMP-23MSD	SDG No.:	Q2177
Lab Sample ID:	Q2173-06MSD	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095899.D	1	06/03/25 11:34	06/03/25 17:29	PB168264

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.20		0.037	0.50	ug/L
76-44-8	Heptachlor	4.90		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.10		0.096	0.50	ug/L
72-20-8	Endrin	4.60		0.032	0.50	ug/L
72-43-5	Methoxychlor	4.60		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.5		30 (57) - 150 (171)	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.0		30 (61) - 150 (148)	95%	SPK: 20

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\PL060325\
 Data File : PL095899.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 17:29
 Operator : AR\AJ
 Sample : Q2173-06MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 OR-400-CF-402B-COMP-23MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 03:39:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.573	2.885	59042256	74399020	18.712	19.009
28) SA Decachlor...	9.099	8.060	41242495	74886259	17.503	17.119
Target Compounds						
2) A alpha-BHC	4.024	3.395	247.3E6	312.1E6	51.009	53.276
3) MA gamma-BHC...	4.356	3.729	226.0E6	289.4E6	50.547	51.672
4) MA Heptachlor	4.953	4.081	183.0E6	275.7E6	48.342	49.156
5) MB Aldrin	5.295	4.366	193.8E6	252.6E6	45.307	47.594
6) B beta-BHC	4.543	4.023	97960535	129.6E6	49.692	52.295m
7) B delta-BHC	4.791	4.259	222.8E6	289.8E6	50.245	51.324
8) B Heptachlo...	5.717	4.868	184.6E6	249.4E6	48.374	50.520
9) A Endosulfan I	6.100	5.240	173.4E6	239.0E6	47.321	50.162
10) B gamma-Chl...	5.971	5.120	184.0E6	263.7E6	47.285	50.198
11) B alpha-Chl...	6.052	5.184	183.5E6	259.1E6	46.482	49.798
12) B 4,4'-DDE	6.222	5.371	170.9E6	257.6E6	46.589	48.036
13) MA Dieldrin	6.373	5.505	185.5E6	256.5E6	48.059	48.394
14) MA Endrin	6.600	5.780	147.2E6	220.3E6	45.605	45.189
15) B Endosulfa...	6.813	6.069	157.3E6	230.7E6	45.650	48.545m
16) A 4,4'-DDD	6.732	5.923	137.9E6	216.3E6	47.061	49.318
17) MA 4,4'-DDT	7.047	6.176	123.8E6	211.3E6	45.769	44.191
18) B Endrin al...	6.942	6.248	117.0E6	172.4E6	48.406	49.898
19) B Endosulfa...	7.176	6.471	139.0E6	214.4E6	46.539	47.703
20) A Methoxychlor	7.520	6.747	58348964	109.5E6	45.752	41.863
21) B Endrin ke...	7.657	6.977	152.9E6	242.1E6	48.289	46.794
22) Mirex	8.138	7.170	107.2E6	178.4E6	46.335	43.924

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095899.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 17:29
Operator : AR\AJ
Sample : Q2173-06MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

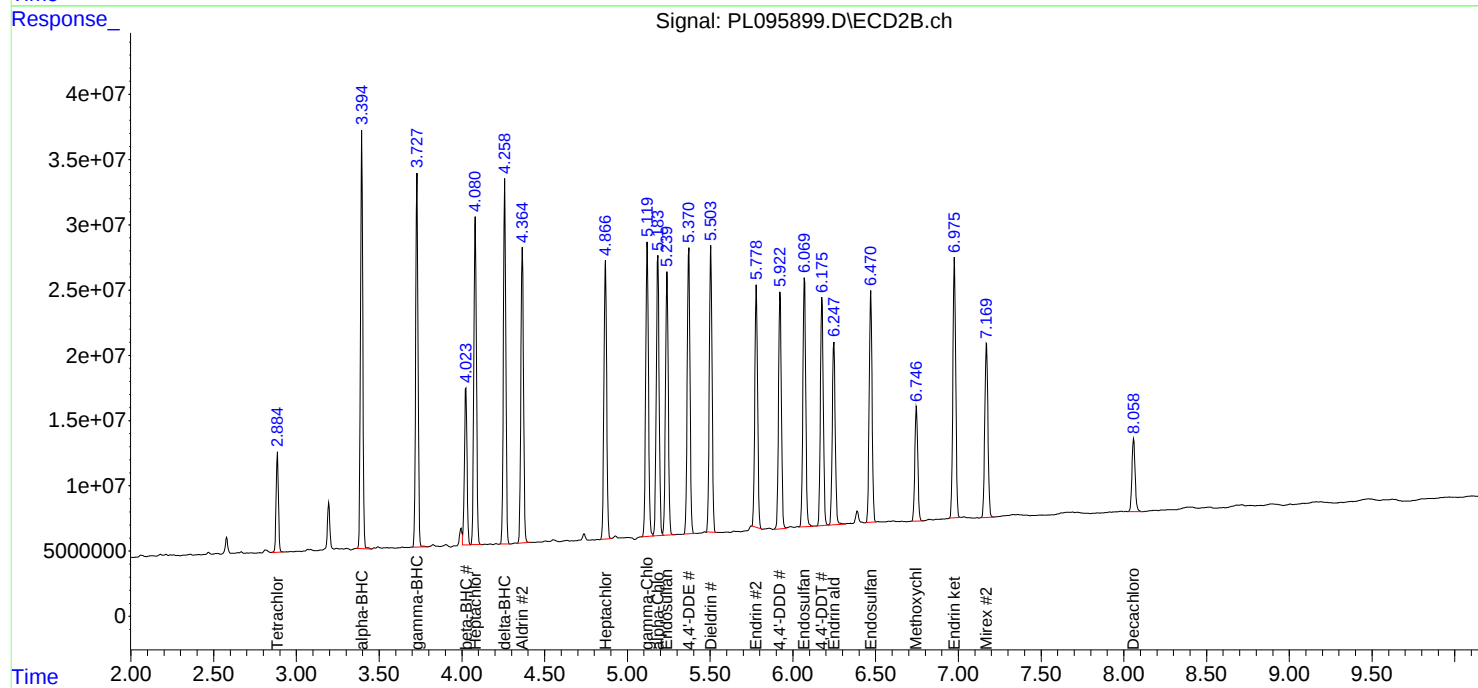
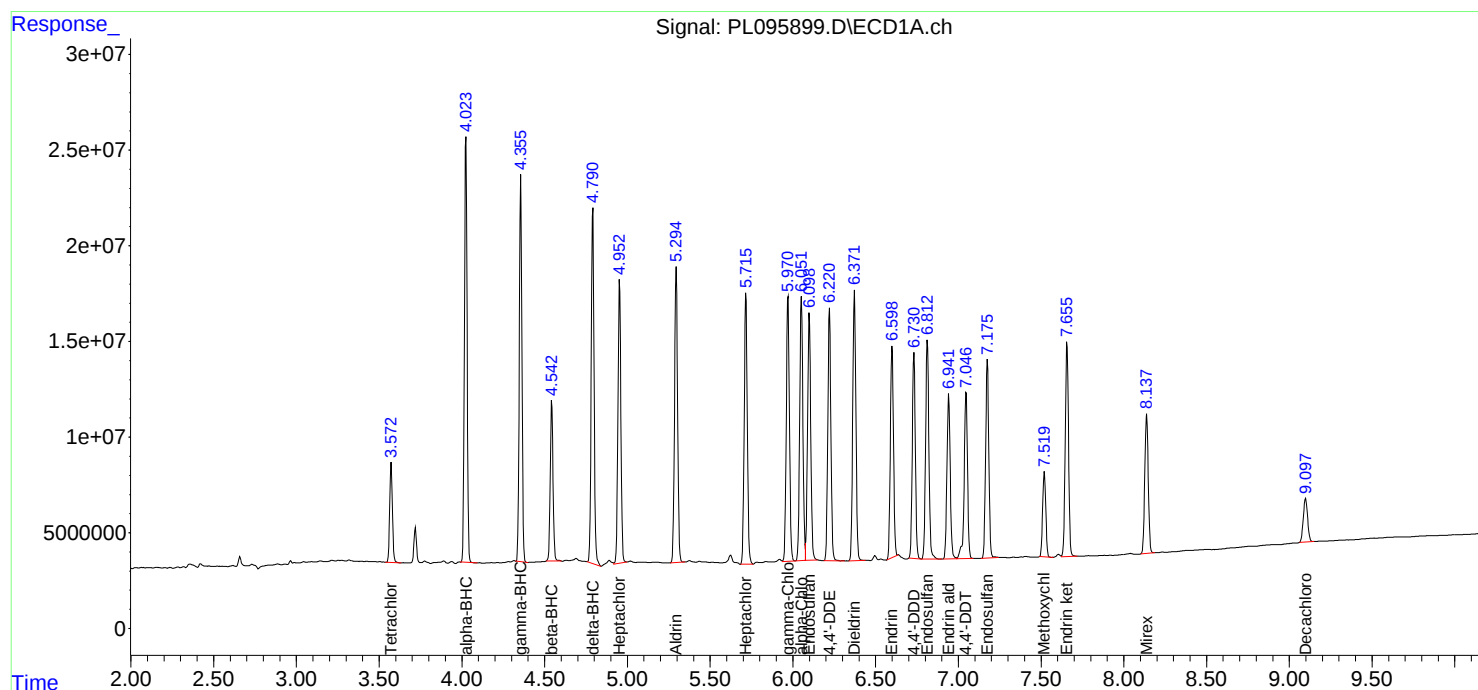
Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

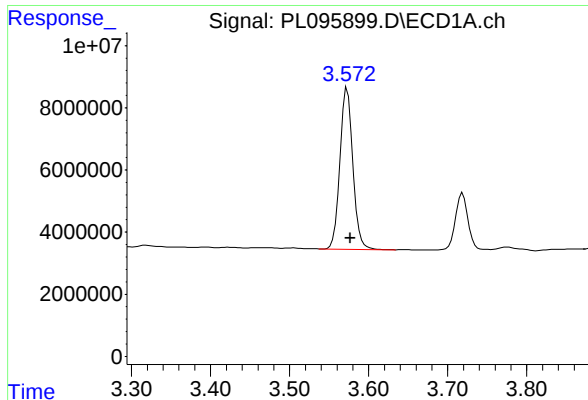
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/04/2025
Supervised By : mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 03:39:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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





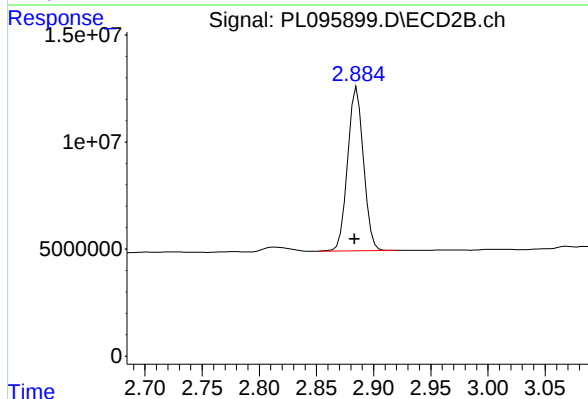
#1 Tetrachloro-m-xylene

R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 59042256
Conc: 18.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

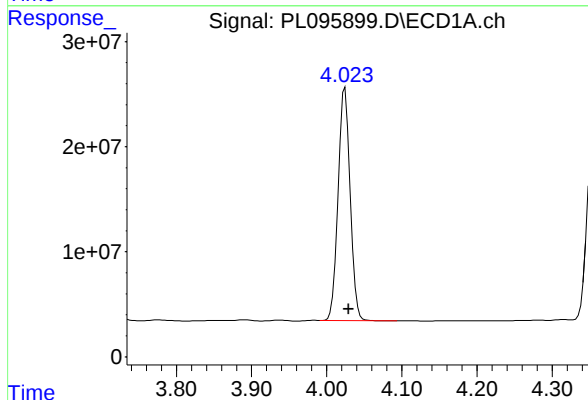
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



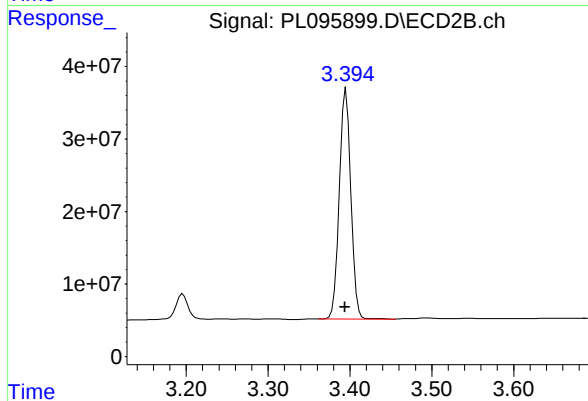
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 74399020
Conc: 19.01 ng/ml



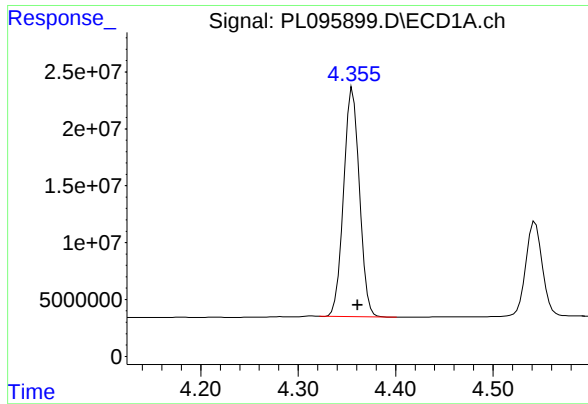
#2 alpha-BHC

R.T.: 4.024 min
Delta R.T.: -0.005 min
Response: 247287014
Conc: 51.01 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: 0.001 min
Response: 312056755
Conc: 53.28 ng/ml



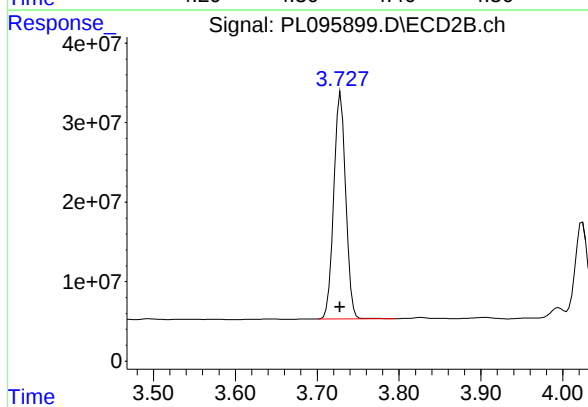
#3 gamma-BHC (Lindane)

R.T.: 4.356 min
Delta R.T.: -0.005 min
Response: 226040723
Conc: 50.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

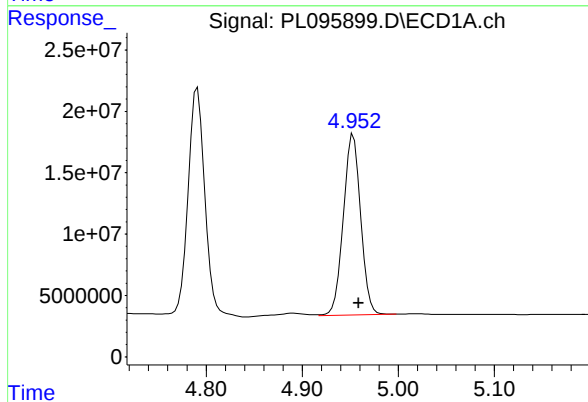
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



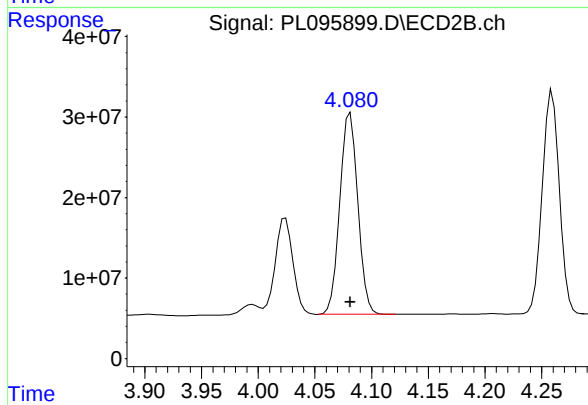
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 289426981
Conc: 51.67 ng/ml



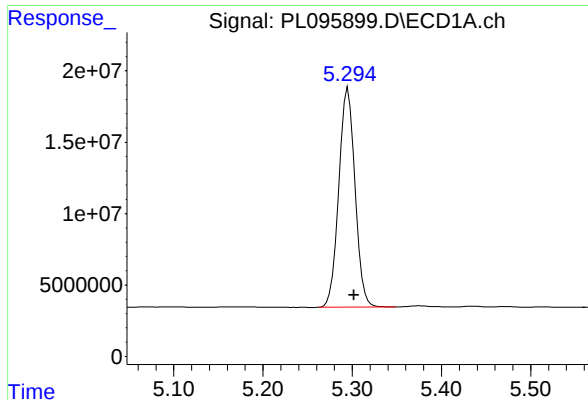
#4 Heptachlor

R.T.: 4.953 min
Delta R.T.: -0.006 min
Response: 182975678
Conc: 48.34 ng/ml



#4 Heptachlor

R.T.: 4.081 min
Delta R.T.: 0.000 min
Response: 275716595
Conc: 49.16 ng/ml



#5 Aldrin

R.T.: 5.295 min
Delta R.T.: -0.006 min
Response: 193812096
Conc: 45.31 ng/ml

Instrument :

ECD_L

ClientSampleId :

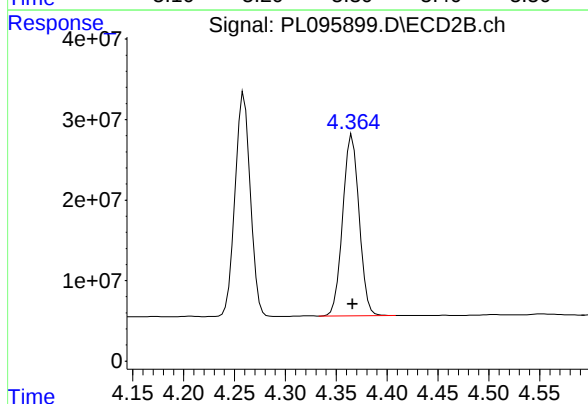
OR-400-CF-402B-COMP-23MSD

Manual Integrations

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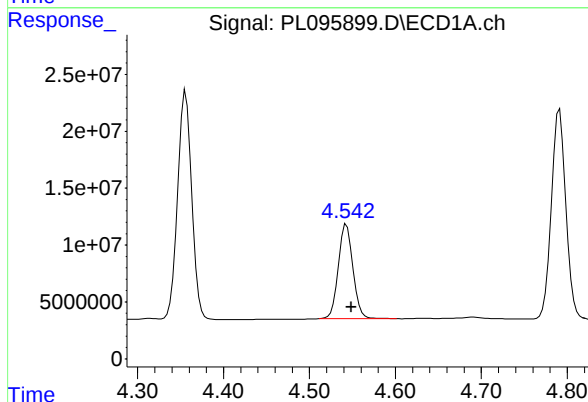
Reviewed By :Abdul Mirza 06/04/2025

Supervised By :mohammad ahmed 06/05/2025



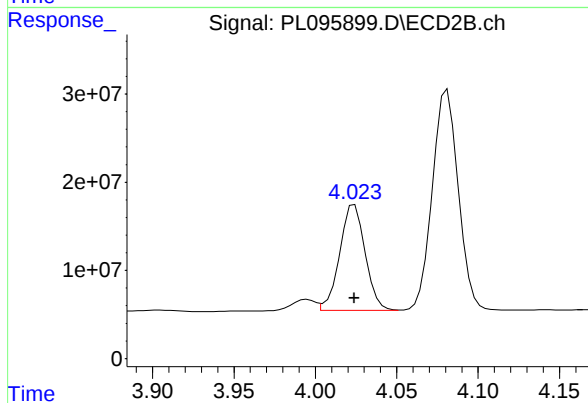
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: 0.000 min
Response: 252585225
Conc: 47.59 ng/ml



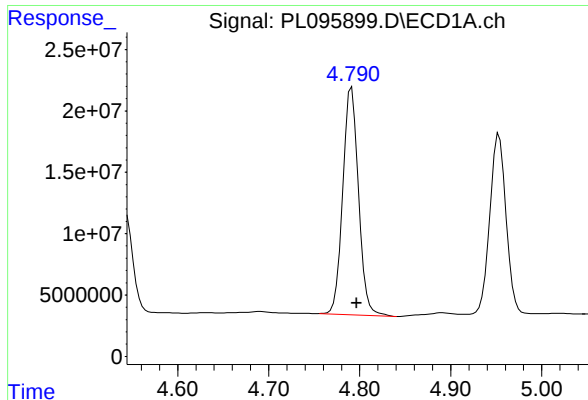
#6 beta-BHC

R.T.: 4.543 min
Delta R.T.: -0.006 min
Response: 97960535
Conc: 49.69 ng/ml



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: -0.001 min
Response: 129562882
Conc: 52.29 ng/ml m



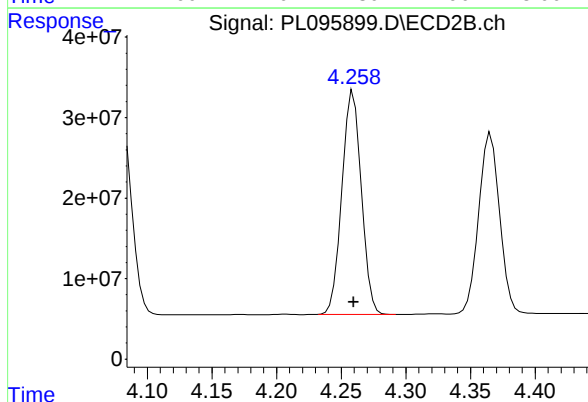
#7 delta-BHC

R.T.: 4.791 min
Delta R.T.: -0.005 min
Response: 222766376
Conc: 50.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

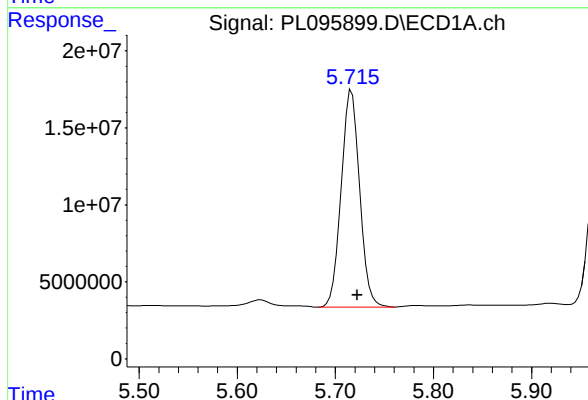
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



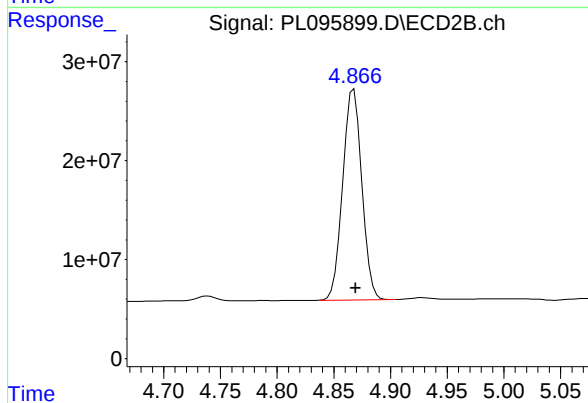
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 289845872
Conc: 51.32 ng/ml



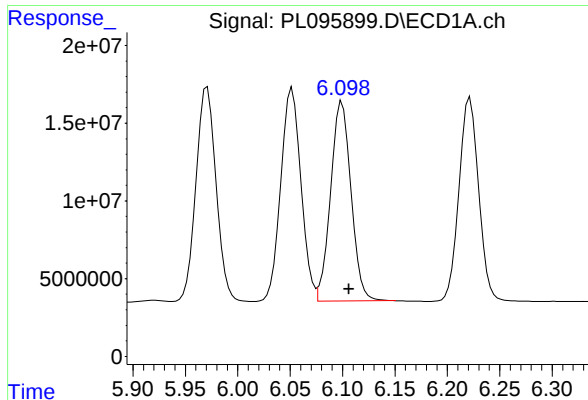
#8 Heptachlor epoxide

R.T.: 5.717 min
Delta R.T.: -0.006 min
Response: 184638636
Conc: 48.37 ng/ml



#8 Heptachlor epoxide

R.T.: 4.868 min
Delta R.T.: -0.002 min
Response: 249439196
Conc: 50.52 ng/ml



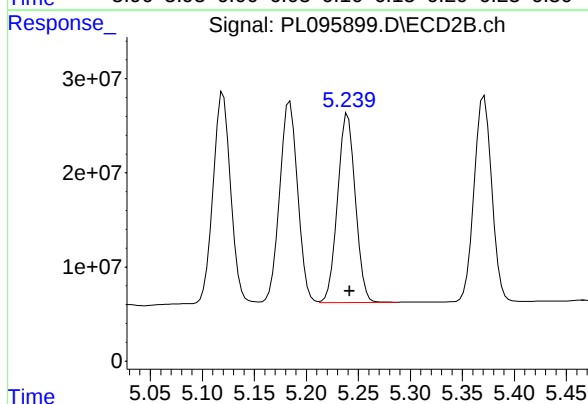
#9 Endosulfan I

R.T.: 6.100 min
Delta R.T.: -0.007 min
Response: 173424948
Conc: 47.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

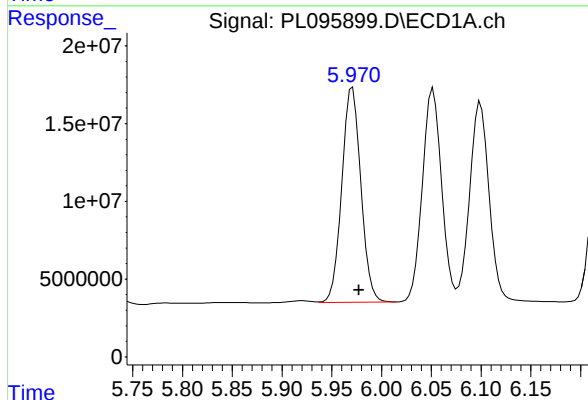
Manual Integrations
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Supervised By :mohammad ahmed 06/05/2025



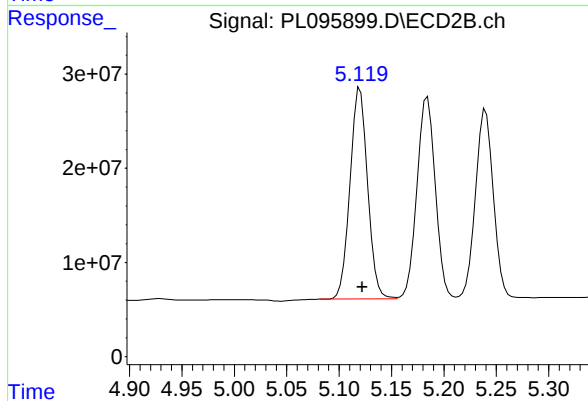
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: -0.002 min
Response: 239019389
Conc: 50.16 ng/ml



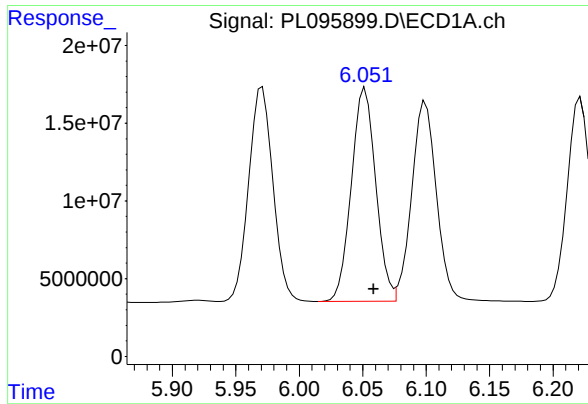
#10 gamma-Chlordane

R.T.: 5.971 min
Delta R.T.: -0.007 min
Response: 184037117
Conc: 47.28 ng/ml



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 263676021
Conc: 50.20 ng/ml



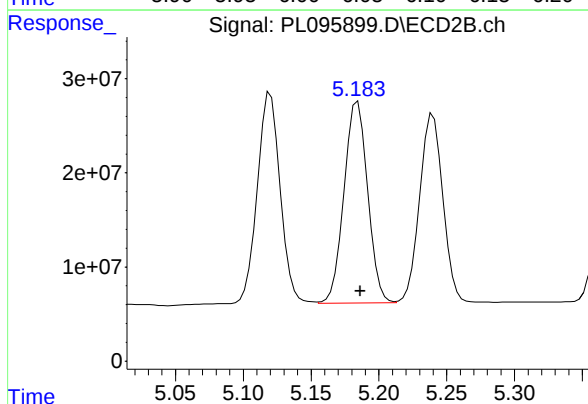
#11 alpha-Chlordane

R.T.: 6.052 min
Delta R.T.: -0.007 min
Response: 183519438
Conc: 46.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

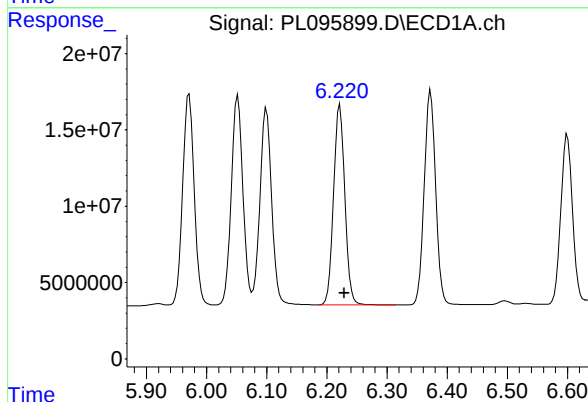
Manual Integrations
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Supervised By :mohammad ahmed 06/05/2025



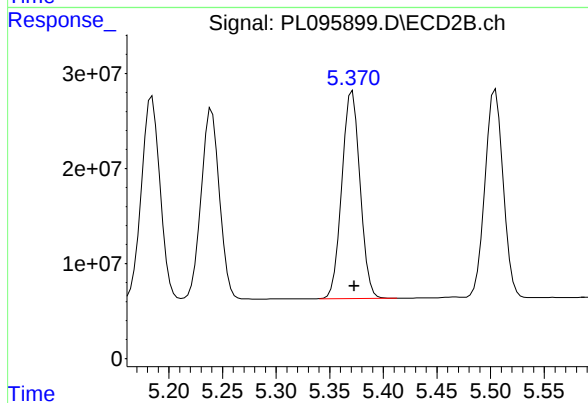
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 259085756
Conc: 49.80 ng/ml



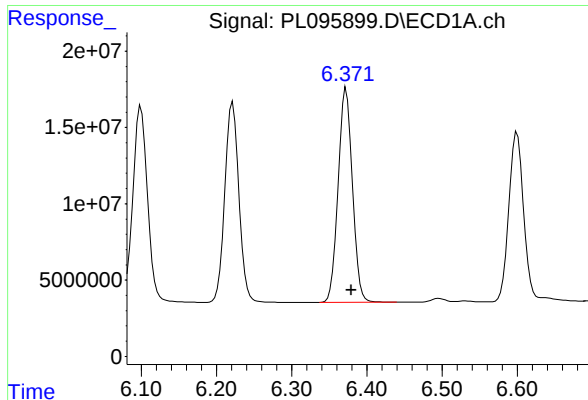
#12 4,4'-DDE

R.T.: 6.222 min
Delta R.T.: -0.007 min
Response: 170883151
Conc: 46.59 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: -0.002 min
Response: 257577420
Conc: 48.04 ng/ml



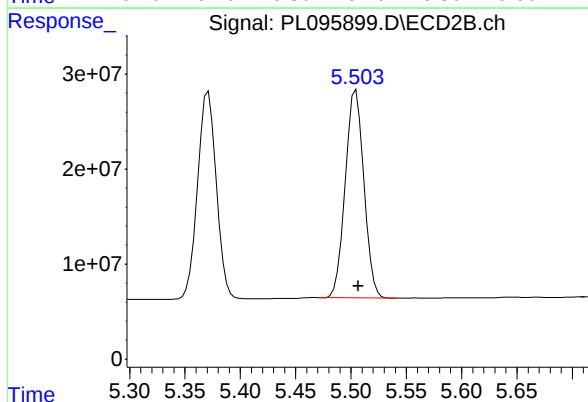
#13 Dieldrin

R.T.: 6.373 min
Delta R.T.: -0.007 min
Response: 185468400
Conc: 48.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

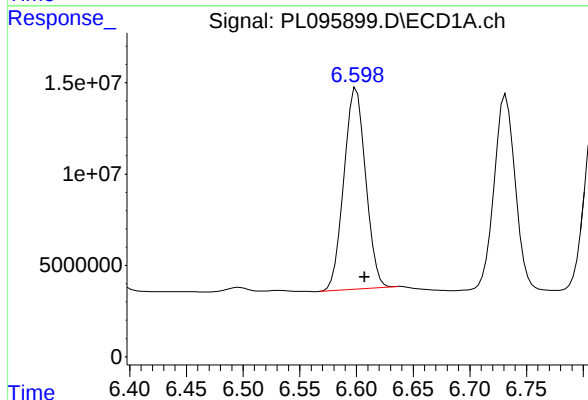
Manual Integrations
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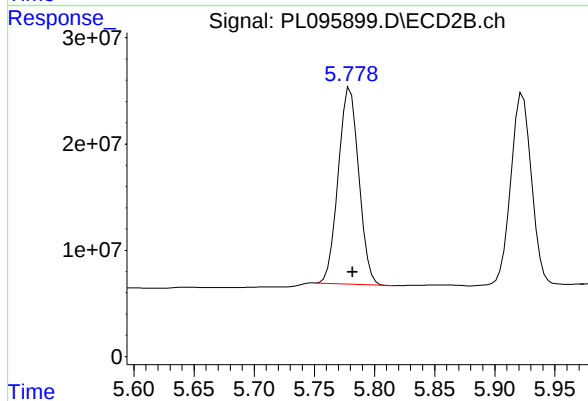
#13 Dieldrin

R.T.: 5.505 min
Delta R.T.: -0.002 min
Response: 256495691
Conc: 48.39 ng/ml



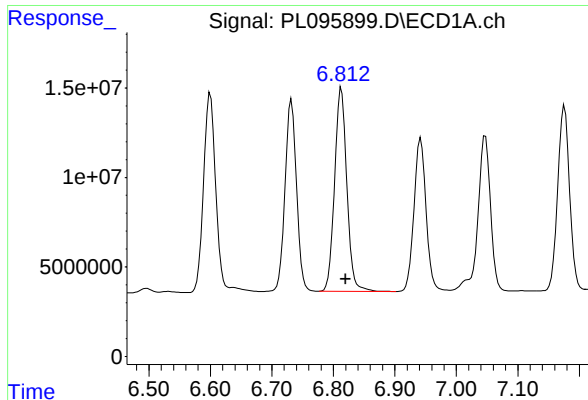
#14 Endrin

R.T.: 6.600 min
Delta R.T.: -0.007 min
Response: 147157668
Conc: 45.61 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 220347958
Conc: 45.19 ng/ml



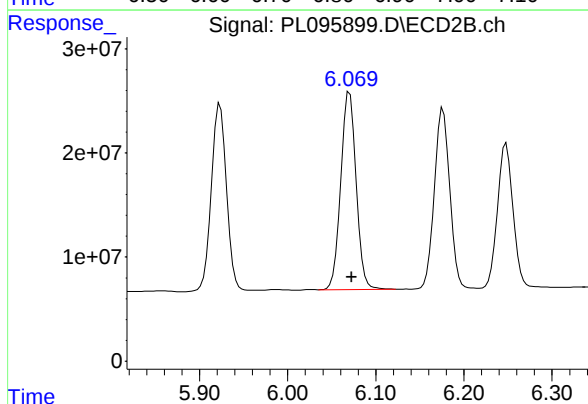
#15 Endosulfan II

R.T.: 6.813 min
Delta R.T.: -0.007 min
Response: 157311949
Conc: 45.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

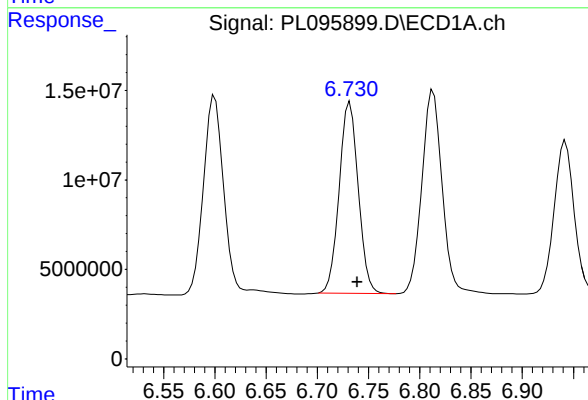
Manual Integrations
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Supervised By :mohammad ahmed 06/05/2025



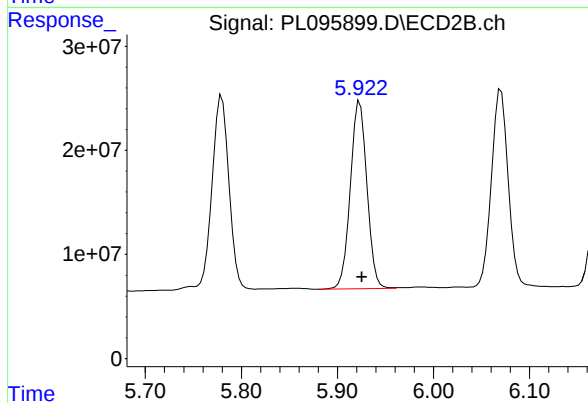
#15 Endosulfan II

R.T.: 6.069 min
Delta R.T.: -0.004 min
Response: 230677458
Conc: 48.55 ng/ml m



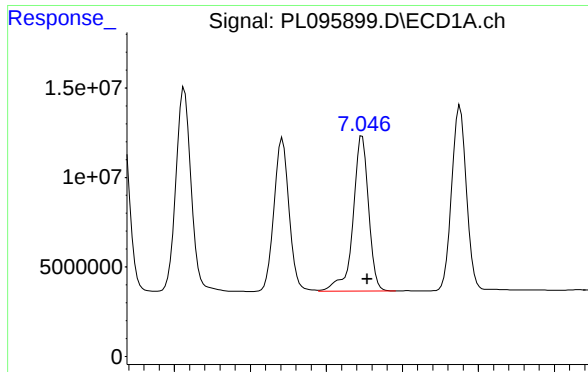
#16 4,4'-DDD

R.T.: 6.732 min
Delta R.T.: -0.007 min
Response: 137916749
Conc: 47.06 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.002 min
Response: 216256020
Conc: 49.32 ng/ml



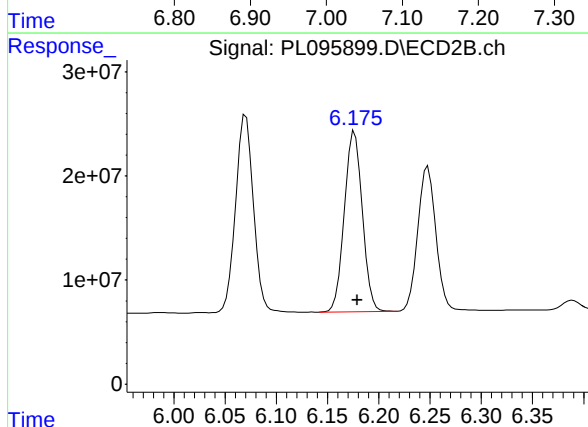
#17 4,4'-DDT

R.T.: 7.047 min
Delta R.T.: -0.007 min
Response: 123812733
Conc: 45.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

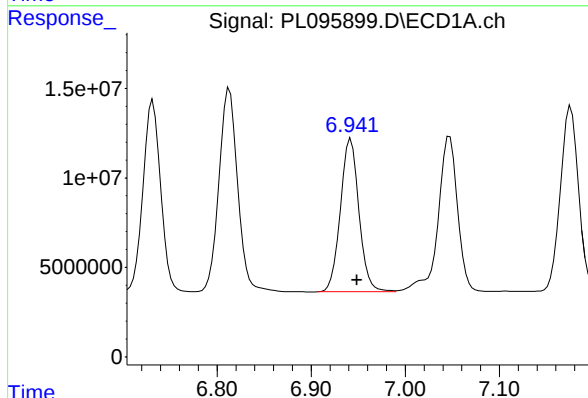
Manual Integrations
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Supervised By :mohammad ahmed 06/05/2025



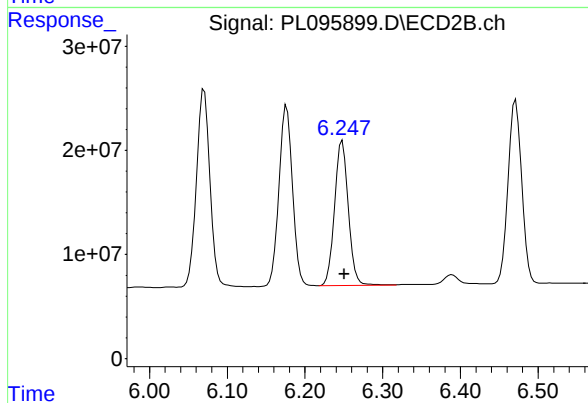
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.003 min
Response: 211349269
Conc: 44.19 ng/ml



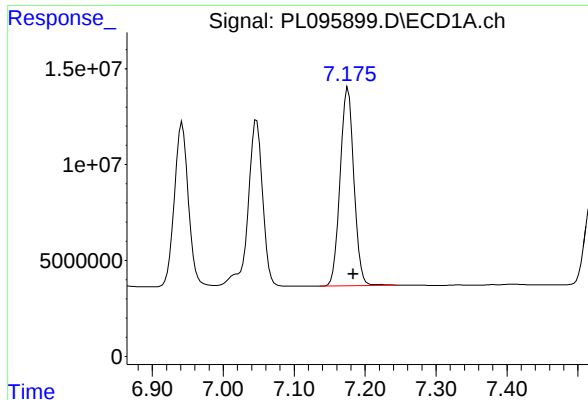
#18 Endrin aldehyde

R.T.: 6.942 min
Delta R.T.: -0.006 min
Response: 117028308
Conc: 48.41 ng/ml



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.003 min
Response: 172363236
Conc: 49.90 ng/ml



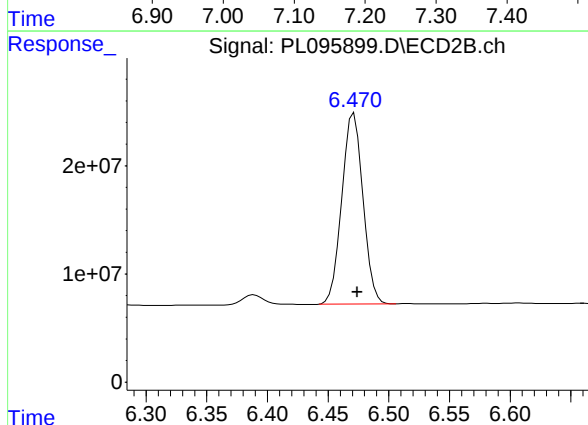
#19 Endosulfan Sulfate

R.T.: 7.176 min
Delta R.T.: -0.007 min
Response: 139008190
Conc: 46.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

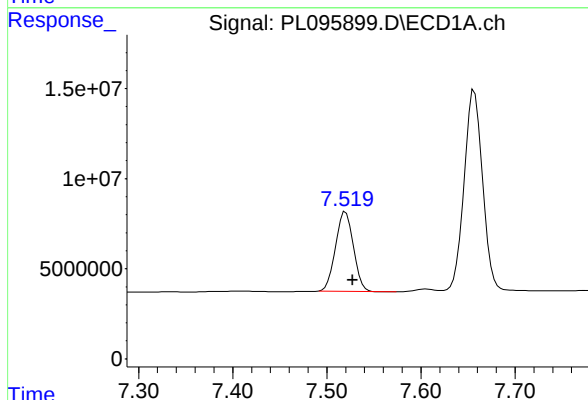
Manual Integrations
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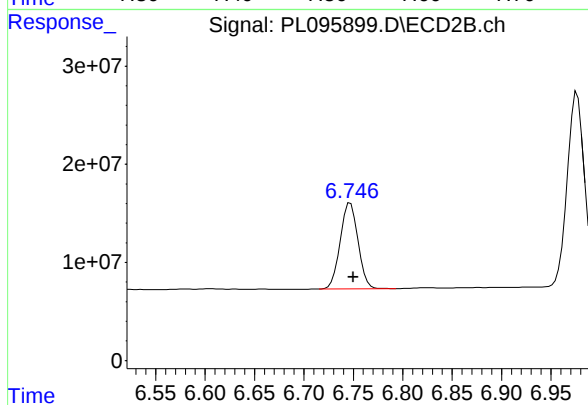
#19 Endosulfan Sulfate

R.T.: 6.471 min
Delta R.T.: -0.003 min
Response: 214413893
Conc: 47.70 ng/ml



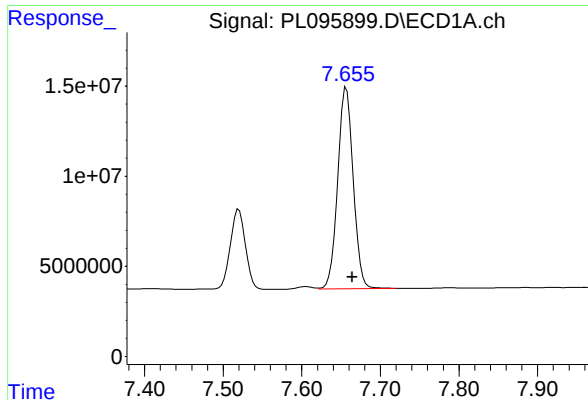
#20 Methoxychlor

R.T.: 7.520 min
Delta R.T.: -0.008 min
Response: 58348964
Conc: 45.75 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.003 min
Response: 109517407
Conc: 41.86 ng/ml



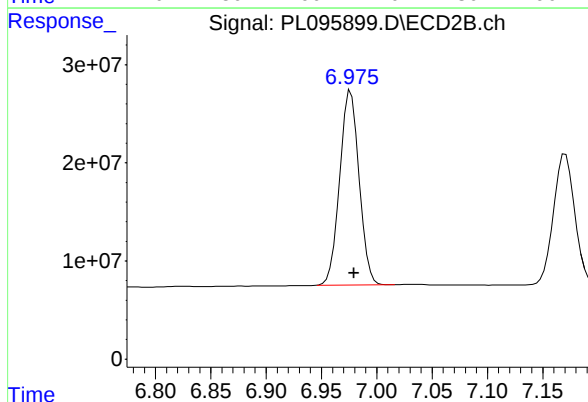
#21 Endrin ketone

R.T.: 7.657 min
Delta R.T.: -0.008 min
Response: 152928611
Conc: 48.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

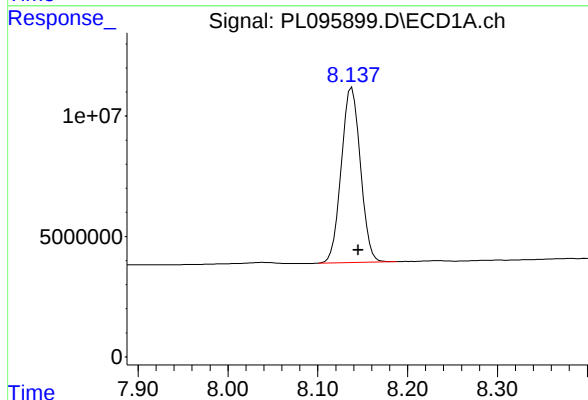
Manual Integrations
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Supervised By :mohammad ahmed 06/05/2025



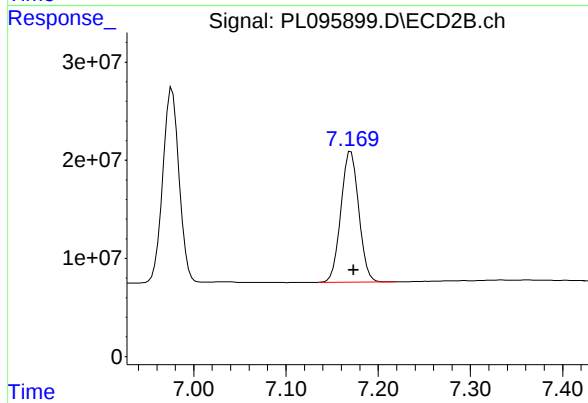
#21 Endrin ketone

R.T.: 6.977 min
Delta R.T.: -0.003 min
Response: 242106832
Conc: 46.79 ng/ml



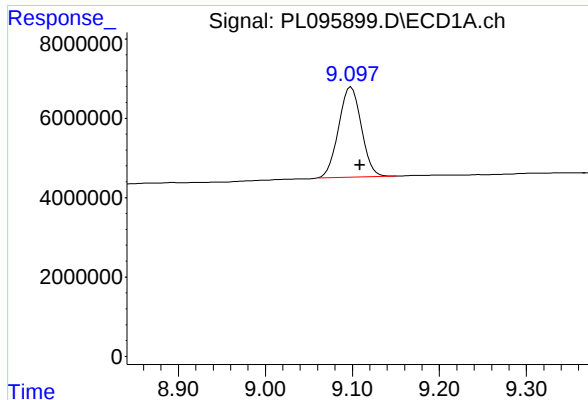
#22 Mirex

R.T.: 8.138 min
Delta R.T.: -0.007 min
Response: 107208636
Conc: 46.34 ng/ml



#22 Mirex

R.T.: 7.170 min
Delta R.T.: -0.003 min
Response: 178353296
Conc: 43.92 ng/ml



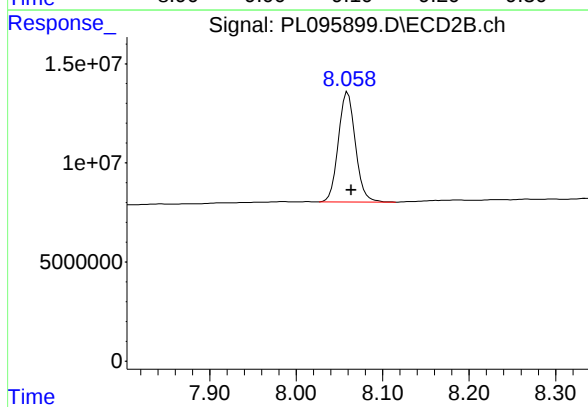
#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 41242495
Conc: 17.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
OR-400-CF-402B-COMP-23MSD

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 74886259
Conc: 17.12 ng/ml

Manual Integration Report

Sequence:

PL052125

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095733.D	4,4"-DDD	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	4,4"-DDD #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	beta-BHC #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin aldehyde	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin aldehyde #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin ketone	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin ketone #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
RESCHK	PL095734.D	Endosulfan I #2	Abdul	5/22/2025 8:03:50 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
RESCHK	PL095734.D	Endrin ketone	Abdul	5/22/2025 8:03:50 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC025	PL095738.D	Endrin ketone	Abdul	5/22/2025 8:03:56 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC005	PL095739.D	beta-BHC #2	Abdul	5/22/2025 8:04:00 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC005	PL095739.D	Endosulfan II	Abdul	5/22/2025 8:04:00 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC005	PL095739.D	Endrin ketone	Abdul	5/22/2025 8:04:00 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software



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Manual Integration Report

Sequence:

PL052125

Instrument

ECD_I

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

pl060325

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095879.D	4,4"-DDD	Abdul	6/4/2025 9:55:48 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095879.D	Endrin #2	Abdul	6/4/2025 9:55:48 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095879.D	Endrin aldehyde	Abdul	6/4/2025 9:55:48 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095879.D	Endrin aldehyde #2	Abdul	6/4/2025 9:55:48 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095880.D	Endosulfan II #2	Abdul	6/4/2025 9:55:52 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095880.D	Endrin #2	Abdul	6/4/2025 9:55:52 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095897.D	4,4"-DDD #2	Abdul	6/4/2025 9:57:45 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095897.D	Aldrin #2	Abdul	6/4/2025 9:57:45 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095897.D	Endrin #2	Abdul	6/4/2025 9:57:45 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095897.D	Mirex #2	Abdul	6/4/2025 9:57:45 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2173-06MS	PL095898.D	beta-BHC #2	Abdul	6/4/2025 9:57:49 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2173-06MSD	PL095899.D	beta-BHC #2	Abdul	6/4/2025 9:57:53 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2173-06MSD	PL095899.D	Endosulfan II #2	Abdul	6/4/2025 9:57:53 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software

Manual Integration Report

Sequence:

pl060325

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095906.D	4,4"-DDD	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095906.D	4,4"-DDE	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095906.D	4,4"-DDE #2	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095906.D	Endrin #2	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095906.D	Endrin aldehyde	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095907.D	4,4"-DDE #2	Abdul	6/4/2025 9:58:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095907.D	Aldrin #2	Abdul	6/4/2025 9:58:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095907.D	Endrin #2	Abdul	6/4/2025 9:58:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095907.D	gamma-Chlordane	Abdul	6/4/2025 9:58:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2177-07	PL095910.D	Dieldrin	Abdul	6/4/2025 9:58:14 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2177-07	PL095910.D	Dieldrin #2	Abdul	6/4/2025 9:58:14 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095912.D	4,4"-DDE #2	Abdul	6/4/2025 9:58:19 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095912.D	Aldrin #2	Abdul	6/4/2025 9:58:19 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software



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Manual Integration Report

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pl060325

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL095912.D	Endrin #2	Abdul	6/4/2025 9:58:19 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095912.D	gamma-Chlordane	Abdul	6/4/2025 9:58:19 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software

Manual Integration Report

Sequence:

pl060425

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095915.D	4,4"-DDD	Abdul	6/5/2025 8:34:35 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software
PEM	PL095915.D	4,4"-DDE	Abdul	6/5/2025 8:34:35 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software
PEM	PL095915.D	4,4"-DDE #2	Abdul	6/5/2025 8:34:35 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software
PEM	PL095915.D	Endrin	Abdul	6/5/2025 8:34:35 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software
PEM	PL095915.D	Endrin #2	Abdul	6/5/2025 8:34:35 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software
PEM	PL095915.D	Endrin aldehyde	Abdul	6/5/2025 8:34:35 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software
PB168264BS	PL095917.D	Endrin #2	Abdul	6/5/2025 8:34:38 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software
PSTDCCC050	PL095928.D	gamma-Chlordane	Abdul	6/5/2025 8:35:01 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software
PSTDCCC050	PL095935.D	4,4"-DDE #2	Abdul	6/5/2025 8:35:24 AM	mohammad	6/6/2025 2:02:26	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM
SubDirectory	PL052125	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL095731.D	21 May 2025 10:33	AR\AJ	Ok
2	I.BLK	PL095732.D	21 May 2025 10:47	AR\AJ	Ok
3	PEM	PL095733.D	21 May 2025 11:01	AR\AJ	Ok,M
4	RESCHK	PL095734.D	21 May 2025 11:14	AR\AJ	Ok,M
5	PSTDICC100	PL095735.D	21 May 2025 11:35	AR\AJ	Ok
6	PSTDICC075	PL095736.D	21 May 2025 11:48	AR\AJ	Ok
7	PSTDICC050	PL095737.D	21 May 2025 12:02	AR\AJ	Ok
8	PSTDICC025	PL095738.D	21 May 2025 12:15	AR\AJ	Ok,M
9	PSTDICC005	PL095739.D	21 May 2025 12:29	AR\AJ	Ok,M
10	PCHLORICC1000	PL095740.D	21 May 2025 12:42	AR\AJ	Ok
11	PCHLORICC750	PL095741.D	21 May 2025 12:56	AR\AJ	Ok
12	PCHLORICC500	PL095742.D	21 May 2025 13:10	AR\AJ	Ok
13	PCHLORICC250	PL095743.D	21 May 2025 13:23	AR\AJ	Ok
14	PCHLORICC050	PL095744.D	21 May 2025 13:37	AR\AJ	Ok,M
15	PTOXICC1000	PL095745.D	21 May 2025 13:50	AR\AJ	Ok
16	PTOXICC750	PL095746.D	21 May 2025 14:04	AR\AJ	Ok
17	PTOXICC500	PL095747.D	21 May 2025 14:18	AR\AJ	Ok
18	PTOXICC250	PL095748.D	21 May 2025 14:31	AR\AJ	Ok
19	PTOXICC100	PL095749.D	21 May 2025 14:45	AR\AJ	Ok,M
20	PSTDICV050	PL095750.D	21 May 2025 14:58	AR\AJ	Ok
21	PCHLORICV500	PL095751.D	21 May 2025 15:12	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM
SubDirectory	PL052125	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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	PL095752.D	21 May 2025 15:26	AR\AJ	Ok
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M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL060325

Review By	Abdul	Review On	6/4/2025 10:00:00 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:35:39 AM
SubDirectory	PL060325	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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	PL095877.D	03 Jun 2025 09:15	AR\AJ	Ok
2	I.BLK	PL095878.D	03 Jun 2025 09:28	AR\AJ	Ok
3	PEM	PL095879.D	03 Jun 2025 09:42	AR\AJ	Ok,M
4	PSTDCCC050	PL095880.D	03 Jun 2025 09:56	AR\AJ	Ok,M
5	PB168253BL	PL095881.D	03 Jun 2025 12:49	AR\AJ	Ok
6	PB168253BS	PL095882.D	03 Jun 2025 13:03	AR\AJ	Ok
7	Q2185-01	PL095883.D	03 Jun 2025 13:47	AR\AJ	Ok,M
8	Q2185-05	PL095884.D	03 Jun 2025 14:01	AR\AJ	Ok,M
9	Q2176-01	PL095885.D	03 Jun 2025 14:14	AR\AJ	Ok,M
10	Q2176-02	PL095886.D	03 Jun 2025 14:28	AR\AJ	Ok,M
11	Q2176-03	PL095887.D	03 Jun 2025 14:42	AR\AJ	Ok,M
12	Q2176-03MS	PL095888.D	03 Jun 2025 14:55	AR\AJ	Ok,M
13	Q2176-03MSD	PL095889.D	03 Jun 2025 15:09	AR\AJ	Ok,M
14	Q2176-04	PL095890.D	03 Jun 2025 15:22	AR\AJ	Ok,M
15	Q2176-05	PL095891.D	03 Jun 2025 15:36	AR\AJ	Ok,M
16	Q2176-06	PL095892.D	03 Jun 2025 15:50	AR\AJ	Ok
17	Q2176-07	PL095893.D	03 Jun 2025 16:03	AR\AJ	Ok,M
18	Q2176-08	PL095894.D	03 Jun 2025 16:17	AR\AJ	Ok
19	Q2173-06	PL095895.D	03 Jun 2025 16:34	AR\AJ	Ok,M
20	I.BLK	PL095896.D	03 Jun 2025 16:48	AR\AJ	Ok
21	PSTDCCC050	PL095897.D	03 Jun 2025 17:01	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL060325

Review By	Abdul	Review On	6/4/2025 10:00:00 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:35:39 AM
SubDirectory	PL060325	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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	Q2173-06MS	PL095898.D	03 Jun 2025 17:15	AR\AJ	Ok,M
23	Q2173-06MSD	PL095899.D	03 Jun 2025 17:29	AR\AJ	Ok,M
24	Q2173-12	PL095900.D	03 Jun 2025 17:42	AR\AJ	Ok
25	Q2173-18	PL095901.D	03 Jun 2025 17:57	AR\AJ	Ok,M
26	PB168264BL	PL095902.D	03 Jun 2025 18:10	AR\AJ	Ok
27	PB168264BS	PL095903.D	03 Jun 2025 18:24	AR\AJ	Not Ok
28	PB168224TB	PL095904.D	03 Jun 2025 18:38	AR\AJ	Ok
29	I.BLK	PL095905.D	03 Jun 2025 18:51	AR\AJ	Ok
30	PEM	PL095906.D	03 Jun 2025 19:05	AR\AJ	Ok,M
31	PSTDCCC050	PL095907.D	03 Jun 2025 19:18	AR\AJ	Ok,M
32	Q2177-03	PL095908.D	03 Jun 2025 19:32	AR\AJ	Ok
33	Q2177-05	PL095909.D	03 Jun 2025 19:46	AR\AJ	Ok
34	Q2177-07	PL095910.D	03 Jun 2025 19:59	AR\AJ	Ok,M
35	I.BLK	PL095911.D	03 Jun 2025 20:13	AR\AJ	Ok
36	PSTDCCC050	PL095912.D	03 Jun 2025 20:27	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL060425

Review By	Abdul	Review On	6/5/2025 8:35:48 AM
Supervise By	mohammad	Supervise On	6/6/2025 2:02:27 AM
SubDirectory	PL060425	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL095913.D	04 Jun 2025 10:45	AR\AJ	Ok
2	I.BLK	PL095914.D	04 Jun 2025 10:59	AR\AJ	Ok
3	PEM	PL095915.D	04 Jun 2025 11:12	AR\AJ	Ok,M
4	PSTDCCC050	PL095916.D	04 Jun 2025 11:26	AR\AJ	Ok
5	PB168264BS	PL095917.D	04 Jun 2025 12:07	AR\AJ	Ok,M
6	I.BLK	PL095918.D	04 Jun 2025 13:08	AR\AJ	Ok
7	PSTDCCC050	PL095919.D	04 Jun 2025 13:22	AR\AJ	Ok
8	PB168289BL	PL095920.D	04 Jun 2025 15:57	AR\AJ	Ok
9	PB168289BS	PL095921.D	04 Jun 2025 16:11	AR\AJ	Ok
10	Q2182-01	PL095922.D	04 Jun 2025 16:24	AR\AJ	Ok,M
11	Q2199-01	PL095923.D	04 Jun 2025 16:38	AR\AJ	Ok,M
12	Q2199-03	PL095924.D	04 Jun 2025 16:52	AR\AJ	Ok,M
13	Q2199-05	PL095925.D	04 Jun 2025 17:05	AR\AJ	Dilution
14	PB168289BS	PL095926.D	04 Jun 2025 17:19	AR\AJ	Not Ok
15	I.BLK	PL095927.D	04 Jun 2025 17:33	AR\AJ	Ok
16	PSTDCCC050	PL095928.D	04 Jun 2025 17:46	AR\AJ	Ok,M
17	Q2194-01	PL095929.D	04 Jun 2025 18:00	AR\AJ	Not Ok
18	Q2194-01MS	PL095930.D	04 Jun 2025 18:14	AR\AJ	Ok,M
19	Q2194-01MSD	PL095931.D	04 Jun 2025 18:27	AR\AJ	Ok,M
20	Q2194-03	PL095932.D	04 Jun 2025 18:41	AR\AJ	Ok,M
21	Q2195-01	PL095933.D	04 Jun 2025 18:55	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL060425

Review By	Abdul	Review On	6/5/2025 8:35:48 AM
Supervise By	mohammad	Supervise On	6/6/2025 2:02:27 AM
SubDirectory	PL060425	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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	I.BLK	PL095934.D	04 Jun 2025 19:22	AR\AJ	Ok
23	PSTDCCC050	PL095935.D	04 Jun 2025 20:44	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM
SubDirectory	PL052125	HP Acquire Method	HP Processing Method
			pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL095731.D	21 May 2025 10:33		AR\AJ	Ok
2	I.BLK	I.BLK	PL095732.D	21 May 2025 10:47		AR\AJ	Ok
3	PEM	PEM	PL095733.D	21 May 2025 11:01		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL095734.D	21 May 2025 11:14		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL095735.D	21 May 2025 11:35		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL095736.D	21 May 2025 11:48		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL095737.D	21 May 2025 12:02		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL095738.D	21 May 2025 12:15		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL095739.D	21 May 2025 12:29		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL095740.D	21 May 2025 12:42		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL095741.D	21 May 2025 12:56		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL095742.D	21 May 2025 13:10		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL095743.D	21 May 2025 13:23		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL095744.D	21 May 2025 13:37		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL095745.D	21 May 2025 13:50		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL095746.D	21 May 2025 14:04		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL095747.D	21 May 2025 14:18		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL095748.D	21 May 2025 14:31		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM
SubDirectory	PL052125	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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			

19	PTOXICC100	PTOXICC100	PL095749.D	21 May 2025 14:45		AR\AJ	Ok,M
20	PSTDICV050	ICVPL052125	PL095750.D	21 May 2025 14:58		AR\AJ	Ok
21	PCHLORICV500	ICVPL052125CHLOR	PL095751.D	21 May 2025 15:12		AR\AJ	Ok
22	PTOXICV500	ICVPL052125TOX	PL095752.D	21 May 2025 15:26		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL060325

Review By	Abdul	Review On	6/4/2025 10:00:00 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:35:39 AM
SubDirectory	PL060325	HP Acquire Method	HP Processing Method p052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
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#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL095877.D	03 Jun 2025 09:15		AR\AJ	Ok
2	I.BLK	I.BLK	PL095878.D	03 Jun 2025 09:28		AR\AJ	Ok
3	PEM	PEM	PL095879.D	03 Jun 2025 09:42		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL095880.D	03 Jun 2025 09:56		AR\AJ	Ok,M
5	PB168253BL	PB168253BL	PL095881.D	03 Jun 2025 12:49		AR\AJ	Ok
6	PB168253BS	PB168253BS	PL095882.D	03 Jun 2025 13:03		AR\AJ	Ok
7	Q2185-01	TP02-MHB-WC	PL095883.D	03 Jun 2025 13:47		AR\AJ	Ok,M
8	Q2185-05	TP01-MHA-WC	PL095884.D	03 Jun 2025 14:01		AR\AJ	Ok,M
9	Q2176-01	TP-46	PL095885.D	03 Jun 2025 14:14		AR\AJ	Ok,M
10	Q2176-02	TP-56	PL095886.D	03 Jun 2025 14:28		AR\AJ	Ok,M
11	Q2176-03	TP-25	PL095887.D	03 Jun 2025 14:42		AR\AJ	Ok,M
12	Q2176-03MS	TP-25MS	PL095888.D	03 Jun 2025 14:55		AR\AJ	Ok,M
13	Q2176-03MSD	TP-25MSD	PL095889.D	03 Jun 2025 15:09		AR\AJ	Ok,M
14	Q2176-04	TP-26	PL095890.D	03 Jun 2025 15:22		AR\AJ	Ok,M
15	Q2176-05	TP-28	PL095891.D	03 Jun 2025 15:36		AR\AJ	Ok,M
16	Q2176-06	TP-27	PL095892.D	03 Jun 2025 15:50		AR\AJ	Ok
17	Q2176-07	TP-31	PL095893.D	03 Jun 2025 16:03		AR\AJ	Ok,M
18	Q2176-08	TP-65	PL095894.D	03 Jun 2025 16:17		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL060325

Review By	Abdul	Review On	6/4/2025 10:00:00 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:35:39 AM
SubDirectory	PL060325	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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			

19	Q2173-06	OR-400-CF-402B-COM	PL095895.D	03 Jun 2025 16:34		AR\AJ	Ok,M
20	I.BLK	I.BLK	PL095896.D	03 Jun 2025 16:48		AR\AJ	Ok
21	PSTDCCC050	PSTDCCC050	PL095897.D	03 Jun 2025 17:01		AR\AJ	Ok,M
22	Q2173-06MS	OR-400-CF-402B-COM	PL095898.D	03 Jun 2025 17:15		AR\AJ	Ok,M
23	Q2173-06MSD	OR-400-CF-402B-COM	PL095899.D	03 Jun 2025 17:29		AR\AJ	Ok,M
24	Q2173-12	OR-400-CF-402B-COM	PL095900.D	03 Jun 2025 17:42		AR\AJ	Ok
25	Q2173-18	OR-400-CF-402B-COM	PL095901.D	03 Jun 2025 17:57	DCB high in 2nd column	AR\AJ	Ok,M
26	PB168264BL	PB168264BL	PL095902.D	03 Jun 2025 18:10		AR\AJ	Ok
27	PB168264BS	PB168264BS	PL095903.D	03 Jun 2025 18:24	Looks like hexan	AR\AJ	Not Ok
28	PB168224TB	PB168224TB	PL095904.D	03 Jun 2025 18:38		AR\AJ	Ok
29	I.BLK	I.BLK	PL095905.D	03 Jun 2025 18:51		AR\AJ	Ok
30	PEM	PEM	PL095906.D	03 Jun 2025 19:05		AR\AJ	Ok,M
31	PSTDCCC050	PSTDCCC050	PL095907.D	03 Jun 2025 19:18		AR\AJ	Ok,M
32	Q2177-03	B-187-SB01	PL095908.D	03 Jun 2025 19:32		AR\AJ	Ok
33	Q2177-05	B-187-SB02	PL095909.D	03 Jun 2025 19:46		AR\AJ	Ok
34	Q2177-07	B-202-SB01	PL095910.D	03 Jun 2025 19:59		AR\AJ	Ok,M
35	I.BLK	I.BLK	PL095911.D	03 Jun 2025 20:13		AR\AJ	Ok
36	PSTDCCC050	PSTDCCC050	PL095912.D	03 Jun 2025 20:27		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL060425

Review By	Abdul	Review On	6/5/2025 8:35:48 AM
Supervise By	mohammad	Supervise On	6/6/2025 2:02:27 AM
SubDirectory	PL060425	HP Acquire Method	HP Processing Method pl052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
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#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL095913.D	04 Jun 2025 10:45		AR\AJ	Ok
2	I.BLK	I.BLK	PL095914.D	04 Jun 2025 10:59		AR\AJ	Ok
3	PEM	PEM	PL095915.D	04 Jun 2025 11:12		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL095916.D	04 Jun 2025 11:26		AR\AJ	Ok
5	PB168264BS	PB168264BS	PL095917.D	04 Jun 2025 12:07		AR\AJ	Ok,M
6	I.BLK	I.BLK	PL095918.D	04 Jun 2025 13:08		AR\AJ	Ok
7	PSTDCCC050	PSTDCCC050	PL095919.D	04 Jun 2025 13:22		AR\AJ	Ok
8	PB168289BL	PB168289BL	PL095920.D	04 Jun 2025 15:57		AR\AJ	Ok
9	PB168289BS	PB168289BS	PL095921.D	04 Jun 2025 16:11		AR\AJ	Ok
10	Q2182-01	OR-03-06022025	PL095922.D	04 Jun 2025 16:24		AR\AJ	Ok,M
11	Q2199-01	ETGI-343	PL095923.D	04 Jun 2025 16:38		AR\AJ	Ok,M
12	Q2199-03	VNJ-231	PL095924.D	04 Jun 2025 16:52		AR\AJ	Ok,M
13	Q2199-05	72-11978	PL095925.D	04 Jun 2025 17:05	need 2X	AR\AJ	Dilution
14	PB168289BS	PB168289BS	PL095926.D	04 Jun 2025 17:19	already run	AR\AJ	Not Ok
15	I.BLK	I.BLK	PL095927.D	04 Jun 2025 17:33		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PL095928.D	04 Jun 2025 17:46		AR\AJ	Ok,M
17	Q2194-01	COMP-12	PL095929.D	04 Jun 2025 18:00	Looks like MS	AR\AJ	Not Ok
18	Q2194-01MS	COMP-12MS	PL095930.D	04 Jun 2025 18:14		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL060425

Review By	Abdul	Review On	6/5/2025 8:35:48 AM
Supervise By	mohammad	Supervise On	6/6/2025 2:02:27 AM
SubDirectory	PL060425	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
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			

19	Q2194-01MSD	COMP-12MSD	PL095931.D	04 Jun 2025 18:27		AR\AJ	Ok,M
20	Q2194-03	COMP-13	PL095932.D	04 Jun 2025 18:41		AR\AJ	Ok,M
21	Q2195-01	OK-01-060325	PL095933.D	04 Jun 2025 18:55		AR\AJ	Ok,M
22	I.BLK	I.BLK	PL095934.D	04 Jun 2025 19:22		AR\AJ	Ok
23	PSTDCCC050	PSTDCCC050	PL095935.D	04 Jun 2025 20:44		AR\AJ	Ok,M

M : Manual Integration

SOP ID : M1311-TCLP-16
SDG No : N/A
Weigh By : JP
Balance ID : WC SC-7
pH Meter ID : WC PH METER-1
Extraction By : JP
Filter By : JP
Pipette ID : WC
Tumbler ID : T-1 / T-2
TCLP Filter ID : 115525

Start Prep Date : 06/02/2025 Time : 16:00
End Prep Date : 06/03/2025 Time : 09:15
Combination Ratio : 20
ZHE Cleaning Batch : N/A
Initial Room Temperature: 22 °C
Final Room Temperature: 21 °C
TCLP Technician Signature : [Signature]
Supervisor By : [Signature]

Standard Name	MLS USED	STD REF. # FROM LOG
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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP112795
HCL-TCLP,1N	N/A	WP112797
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	N/A	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. TUMBLER T-1 /T-2 checked,30 rpm. q2185-08 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/03/25 11:00	<u>[Signature]</u> /TCLP Room	SIHS. RS 1641
	Preparation Group	Analysis Group

[Signature]

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB168224TB	LEB224	17	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q2159-04	TP05-MHO-WC	01	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2160-04	TP04-MHG-WC	02	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2160-08	TP05-MHH-WC	03	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2168-02	SAN-A1-A3	04	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q2168-06	SAN-B1-B3	05	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q2168-10	SAN-C1-C2	06	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2172-04	TP06-MHQ	07	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2173-06	OR-400-CF-402B-COMP-23	08	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q2173-12	OR-400-CF-402B-COMP-24	09	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2173-18	OR-400-CF-402B-COMP-25	10	100.04	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q2177-03	B-187-SB01	11	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-2
Q2177-05	B-187-SB02	12	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q2177-07	B-202-SB01	13	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2178-02	RT2929	14	100.03	2000	N/A	N/A	N/A	10.0	1.5	T-2
Q2185-04	TP02-MHB-WC	15	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2185-08	TP01-MHB-WC	16	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168224TB	LEB224	N/A	N/A	N/A	N/A	N/A	N/A
Q2159-04	TP05-MHO-WC	N/A	N/A	N/A	N/A	100	N/A
Q2160-04	TP04-MHG-WC	N/A	N/A	N/A	N/A	100	N/A
Q2160-08	TP05-MHH-WC	N/A	N/A	N/A	N/A	100	N/A
Q2168-02	SAN-A1-A3	N/A	N/A	N/A	N/A	100	N/A
Q2168-06	SAN-B1-B3	N/A	N/A	N/A	N/A	100	N/A
Q2168-10	SAN-C1-C2	N/A	N/A	N/A	N/A	100	N/A
Q2172-04	TP06-MHQ	N/A	N/A	N/A	N/A	100	N/A
Q2173-06	OR-400-CF-402B-COMP-23	N/A	N/A	N/A	N/A	100	N/A
Q2173-12	OR-400-CF-402B-COMP-24	N/A	N/A	N/A	N/A	100	N/A
Q2173-18	OR-400-CF-402B-COMP-25	N/A	N/A	N/A	N/A	100	N/A
Q2177-03	B-187-SB01	N/A	N/A	N/A	N/A	100	N/A
Q2177-05	B-187-SB02	N/A	N/A	N/A	N/A	100	N/A
Q2177-07	B-202-SB01	N/A	N/A	N/A	N/A	100	N/A
Q2178-02	RT2929	N/A	N/A	N/A	N/A	100	N/A
Q2185-04	TP02-MHB-WC	N/A	N/A	N/A	N/A	100	N/A
Q2185-08	TP01-MHB-WC	N/A	N/A	N/A	N/A	100	N/A

Hot Block ID : WC S-1 / WC S-2
Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB168224TB	LEB224	N/A	N/A	N/A	N/A	#1	4.93
Q2159-04	TP05-MHO-WC	5.02	96.5	5.6	2.0	#1	4.93
Q2160-04	TP04-MHG-WC	5.01	96.5	5.5	2.0	#1	4.93
Q2160-08	TP05-MHH-WC	5.02	96.5	5.8	2.0	#1	4.93
Q2168-02	SAN-A1-A3	5.01	96.5	6.2	2.5	#1	4.93
Q2168-06	SAN-B1-B3	5.02	96.5	6.0	2.0	#1	4.93
Q2168-10	SAN-C1-C2	5.03	96.5	6.0	2.0	#1	4.93
Q2172-04	TP06-MHQ	5.03	96.5	5.5	1.5	#1	4.93
Q2173-06	OR-400-CF-402B-COMP-23	5.02	96.5	9.0	3.5	#1	4.93
Q2173-12	OR-400-CF-402B-COMP-24	5.03	96.5	7.2	2.5	#1	4.93
Q2173-18	OR-400-CF-402B-COMP-25	5.02	96.5	8.4	3.0	#1	4.93
Q2177-03	B-187-SB01	5.03	96.5	8.2	3.0	#1	4.93
Q2177-05	B-187-SB02	5.02	96.5	7.2	2.5	#1	4.93
Q2177-07	B-202-SB01	5.01	96.5	8.2	3.0	#1	4.93
Q2178-02	RT2929	5.02	96.5	10.5	4.0	#1	4.93
Q2185-04	TP02-MHB-WC	5.02	96.5	8.0	3.0	#1	4.93
Q2185-08	TP01-MHB-WC	5.01	96.5	8.0	3.0	N/A	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q2177 WorkList ID : 189871 Department : TCLP Extraction Date : 06-02-2025 12:11:06

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2159-04	TP05-MHO-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311
Q2160-04	TP04-MHG-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311
Q2160-08	TP05-MHH-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311
Q2168-02	SAN-A1-A3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311
Q2168-06	SAN-B1-B3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/30/2025	1311
Q2168-10	SAN-C1-C2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/30/2025	1311
Q2172-04	TP06-MHQ	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/30/2025	1311
Q2173-06	OR-400-CF-402B-COMP-23	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311
Q2173-12	OR-400-CF-402B-COMP-24	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311
Q2173-18	OR-400-CF-402B-COMP-25	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311
Q2177-03	B-187-SB01	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311
Q2177-05	B-187-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	05/31/2025	1311
Q2177-07	B-202-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	05/31/2025	1311
Q2178-02	RT2929	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	05/31/2025	1311
Q2185-04	TP02-MHB-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	06/02/2025	1311
Q2185-08	TP01-MHB-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	06/02/2025	1311
					PSEG03	L31	06/02/2025	1311

Date/Time: 06/02/25 15:00 Date/Time: 06/02/25 17:30
 Raw Sample Received by: [Signature] Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature] Raw Sample Relinquished by: [Signature]

SOP ID: M3510C,3580A-Extraction Pesticide-16

Clean Up SOP #: N/A **Extraction Start Date :** 06/03/2025

Matrix : Water **Extraction Start Time :** 11:34

Weigh By: N/A **Extraction By:** RJ **Extraction End Date :** 06/03/2025

Balance check: N/A **Filter By:** RJ **Extraction End Time :** 16:10

Balance ID: N/A **pH Meter ID:** N/A **Concentration By:** EH

pH Strip Lot#: E3880 **Hood ID:** 4,6,7 **Supervisor By :** RUPESH

Extraction Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24285
Surrogate	1.0ML	200 PPB	PP24597
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3939
Baked Na2SO4	N/A	EP2620
Hexane	N/A	E3938
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
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS723.

KD Bath ID: WATER BATH-1,2 **Envap ID:** NEVAP-02

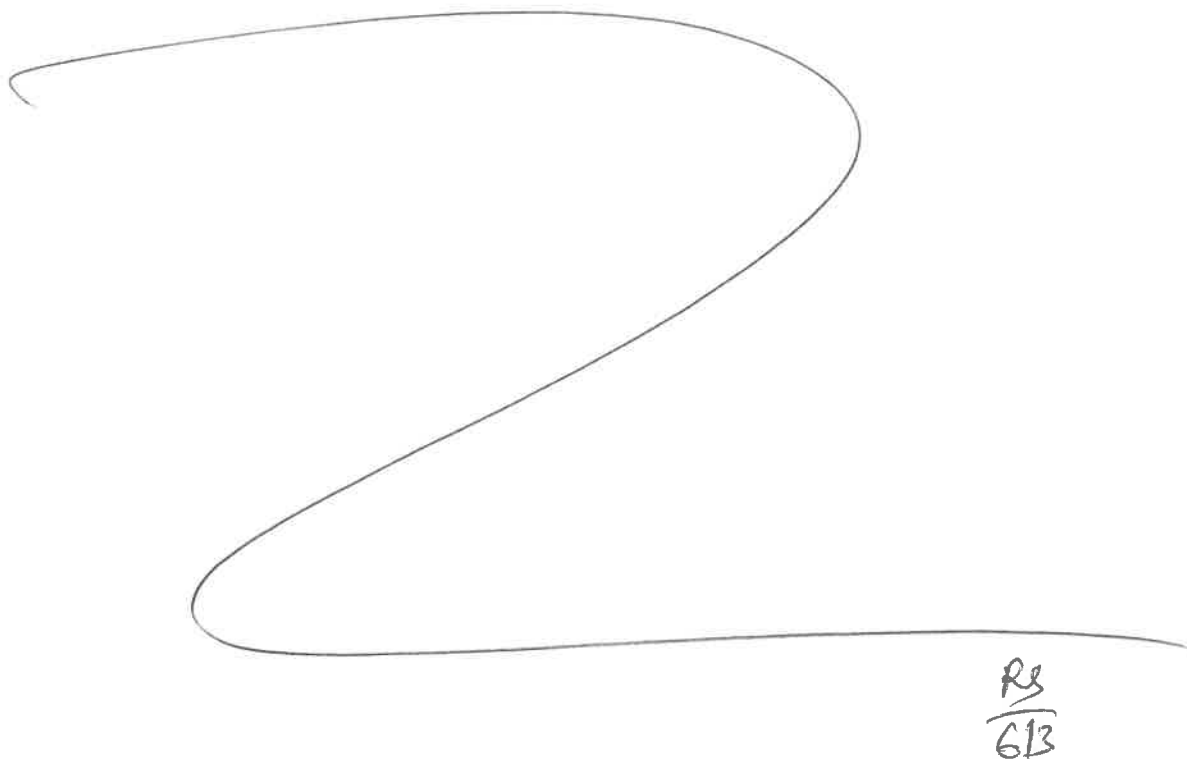
KD Bath Temperature: 60 °C **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/3/25	RS (Ext Lab)	SR - Pest/PCB Lab
16:15	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction Pesticide-16

Concentration Date: 06/03/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168224TB	PB168224TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			SEP-1
PB168264BL	PBLK264	TCLP Pesticide	1000	6	RUPESH	ritesh	10			2
PB168264BS	PLCS264	TCLP Pesticide	1000	6	RUPESH	ritesh	10			3
Q2173-06	OR-400-CF-402B-COMP-2 3	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		4
Q2173-06MS	OR-400-CF-402B-COMP-2 3MS	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		5
Q2173-06MS D	OR-400-CF-402B-COMP-2 3MSD	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		6
Q2173-12	OR-400-CF-402B-COMP-2 4	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		7
Q2173-18	OR-400-CF-402B-COMP-2 5	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		8
Q2177-03	B-187-SB01	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		9
Q2177-05	B-187-SB02	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		10
Q2177-07	B-202-SB01	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		11



* Extracts relinquished on the same date as received.

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB168224TB	LEB224	17	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q2159-04	TP05-MHO-WC	01	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2160-04	TP04-MHG-WC	02	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2160-08	TP05-MHH-WC	03	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q2168-02	SAN-A1-A3	04	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q2168-06	SAN-B1-B3	05	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q2168-10	SAN-C1-C2	06	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2172-04	TP06-MHQ	07	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2173-06	OR-400-CF-402B-COMP-23	08	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q2173-12	OR-400-CF-402B-COMP-24	09	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2173-18	OR-400-CF-402B-COMP-25	10	100.04	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q2177-03	B-187-SB01	11	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-2
Q2177-05	B-187-SB02	12	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q2177-07	B-202-SB01	13	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2178-02	RT2929	14	100.03	2000	N/A	N/A	N/A	10.0	1.5	T-2
Q2185-04	TP02-MHB-WC	15	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q2185-08	TP01-MHB-WC	16	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-2

06/03/25
11:00

Prep Standard - Chemical Standard Summary

Order ID : Q2177

Test : TCLP Pesticide

Prepbatch ID : PB168264,

Sequence ID/Qc Batch ID: pl060325,pl060425,

Standard ID :

EP2620,PP24095,PP24255,PP24256,PP24257,PP24258,PP24259,PP24260,PP24261,PP24262,PP24266,PP24267,P
P24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,P
P24281,PP24282,PP24283,PP24284,PP24285,PP24329,PP24433,PP24597,

Chemical ID :

E3551,E3847,E3876,E3877,E3914,E3932,E3938,E3939,P12603,P 12611,P13037,P13040,P13195,P13245,P13356,P13
357,P13405,P13785,P13861,P9052,W3177,



<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	EP2620	05/30/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/30/2025
<u>FROM</u> 4000.00000gram of E3551 = Final Quantity: 4000.000 gram								

<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	PP24095	12/23/2024	06/16/2025	Abdul Mirza	None	None	Ankita Jodhani 12/30/2024
<u>FROM</u> 1.00000ml of P13245 + 99.00000ml of E3847 = 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>
84	Pest/PCB Surrogate Stock 20 PPM	PP24255	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 1.00000ml of P13785 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

<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)	PP24256	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 1.00000ml of P13040 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

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>
1273	20 PPM Mirex Stock (Primary Source)	PP24258	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.20000ml of P9052 + 9.80000ml of E3877 = Final Quantity: 10.000 ml

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>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP24260	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24256 + 0.50000ml of PP24258 = Final Quantity: 100.000 ml



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

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Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24266	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P12611 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

<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)	PP24267	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.10000ml of P13405 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24268	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.10000ml of P13861 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

<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)	PP24269	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3632	50 PPB ICAL PEST STD(RESTEK)	PP24270	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24260 = Final Quantity: 1.000 ml

<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)	PP24271	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3634	5 PPB ICAL PEST STD(RESTEK)	PP24272	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24270 = Final Quantity: 1.000 ml

<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)	PP24273	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24261 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
528	CHLOR 750 PPB STD	PP24274	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
03/12/2025								

FROM 0.25000ml of E3877 + 0.75000ml of PP24262 = Final Quantity: 1.000 ml

<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	PP24275	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
03/12/2025								

FROM 0.50000ml of E3877 + 0.50000ml of PP24262 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
530	CHLOR 250 PPB STD	PP24277	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24262 = Final Quantity: 1.000 ml

<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	PP24278	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24275 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
532	CHLOR 500 PPB ICV STD	PP24279	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24266 = Final Quantity: 1.000 ml

<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	PP24280	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24267 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
534	TOX 500 PPB STD	PP24281	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24267 = Final Quantity: 1.000 ml

<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	PP24282	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24267 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2217	TOX 100 PPB STD	PP24283	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24267 = Final Quantity: 1.000 ml

<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)	PP24284	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24268 = Final Quantity: 1.000 ml

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	PP24285	03/12/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani
								03/12/2025

FROM 95.00000ml of E3876 + 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>
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

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>
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

<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	PP24597	05/20/2025	11/05/2025	Abdul Mirza	None	None	Yogesh Patel
								05/22/2025

FROM 1.00000ml of P13357 + 999.00000ml of E3932 = Final Quantity: 1000.000 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	313201	12/04/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	06/16/2025	12/16/2024 / Rajesh	12/13/2024 / Rajesh	E3847

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	08/25/2025	02/25/2025 /	02/12/2025 / Rajesh	E3876

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)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

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)	25C0362005	04/30/2026	/	05/14/2025 / RUPESH	E3938

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)	25A2862010	11/22/2025	05/22/2025 / RUPESH	02/28/2025 / RUPESH	E3939

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	09/11/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12603

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0193299	09/09/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12611

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13037

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13040

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	09/10/2025	03/10/2025 / Abdul	01/17/2024 / Abdul	P13195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	06/23/2025	12/23/2024 / Abdul	02/09/2024 / Abdul	P13245

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	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	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	11/20/2025	05/20/2025 / Abdul	04/22/2024 / Abdul	P13357

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	09/09/2025	03/10/2025 / Abdul	05/15/2024 / Abdul	P13405

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	09/10/2025	03/10/2025 / Abdul	11/19/2024 / Ankita	P13785

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 #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	112018	09/10/2025	03/10/2025 / Abdul	11/01/2019 / Stephen	P9052

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177



**PRODUCTOS
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MONTERREY, N.L. MEXICO
CP 64070
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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:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

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

Recd. by RP on 12/13/24

E3847



Jamie Croak
Director Quality Operations, Bioscience Production

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

Harout Sahagian 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.: 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

RS

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

 **avantors**



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date: 2026-04-30

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	≤ 5	5
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	100.0 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	100 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E3938



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.: 25A2862010
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 Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μ eq/g)	≤ 0.3	<0.1
Chloride (Cl)	≤ 10 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

E3939

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0193299
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2029 **Storage:** 10°C or colder
Ship: Ambient

P12616
↓
P12615
Five
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	—%	1,010.0 µg/mL	+/- 56.0475

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

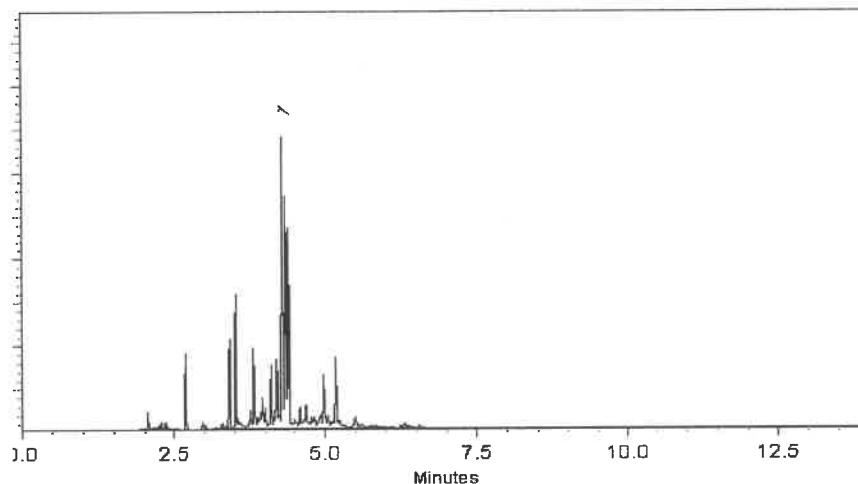
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Bryan Snyder
Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

CRm
P 12611
↓
P 12615 } (5) *Fin*

CRout
7/3/2023



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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
 ↓
 P13043
 5
 1
 JAW
 12/26/23

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.)

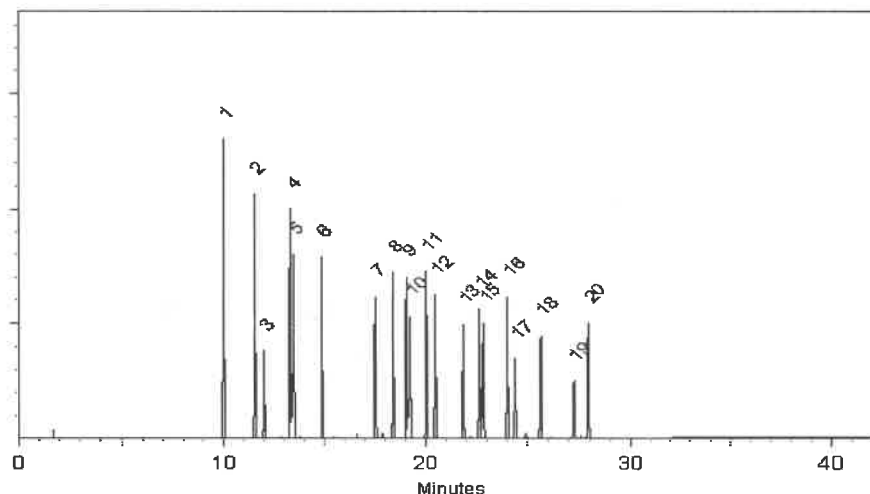
Inj. Temp:
 200°C

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.

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:	<u>79136</u>
Lot Number:	<u>042022</u>
Description:	Miltex

Solvent(s):	Lot#
Acetone	81025

Formulated By: Prashant Chauhan DATE 04/02/22

Expiration Date: 042027

Refrigerate (4 °C)

Nominal Concentration ($\mu\text{g/mL}$):

NIST Test ID#:

Weight(s) shown below were combined and diluted to (mL):

5E-05 Balance Uncertainty
0.006 Flask Uncertainty

Reviewed By:		042022
Pedro L. Ramos		DATE

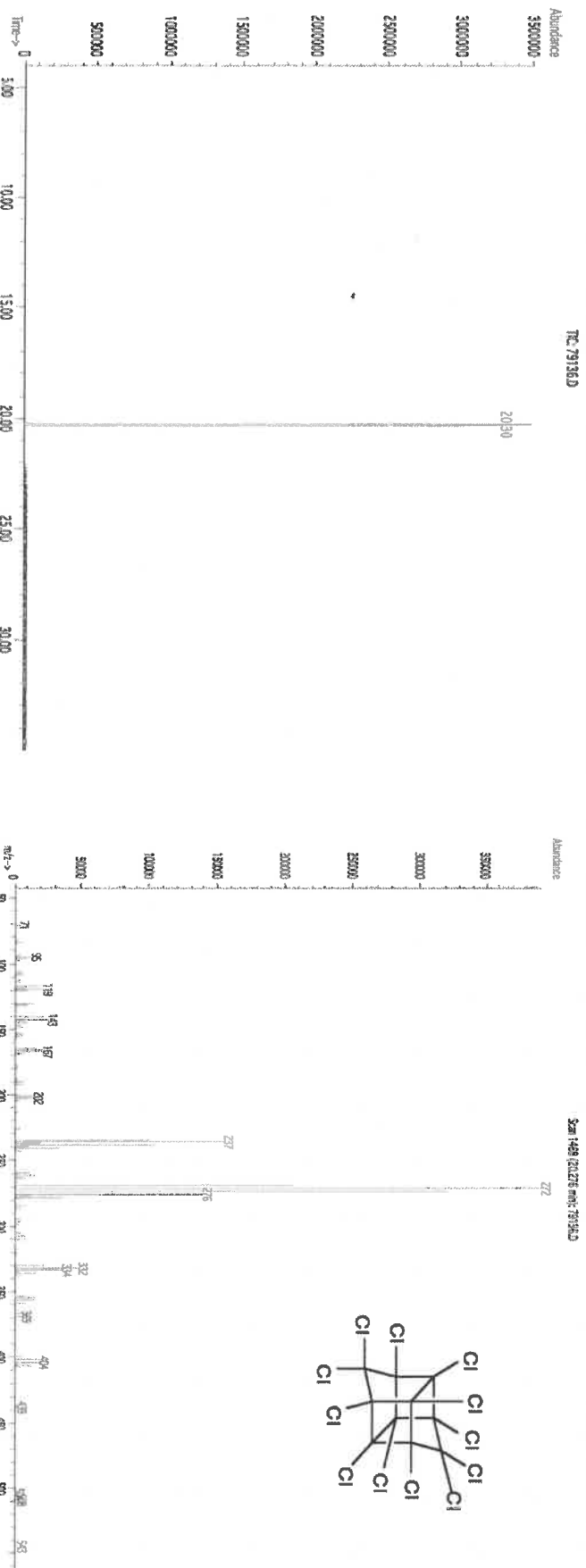
042022
DATE

SDS Information

[illegible]

1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3	2385-85-5	N/A	oil-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 $\pm 0.5\%$ of the stated value, unless otherwise stated.

• All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.

- **Uncertainty Reference:** Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result,"

NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

01/17/2024
JALIN

5



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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:

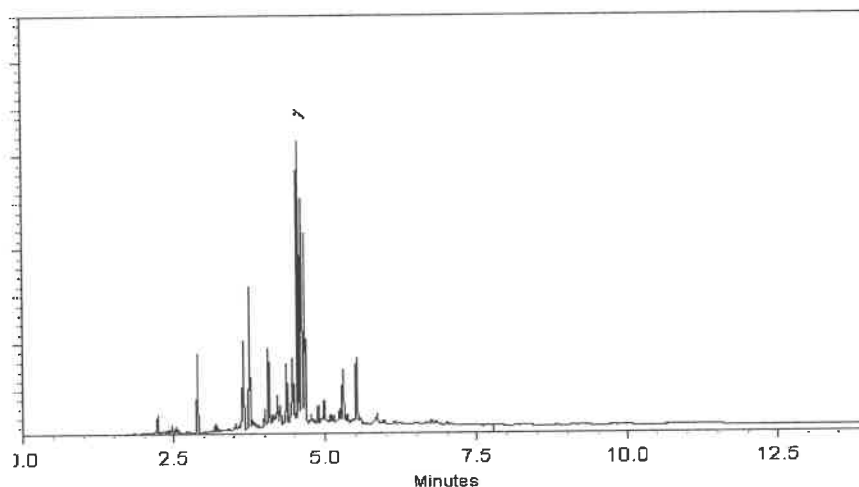
ECD

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

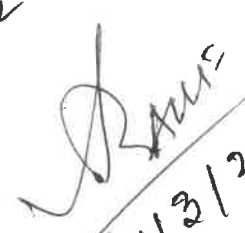
Date Mixed: 11-May-2023

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



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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
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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.)

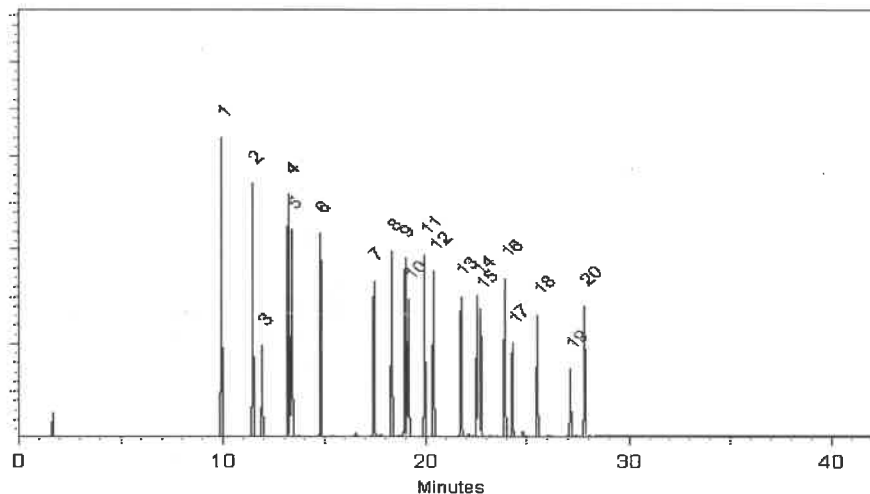
Inj. Temp:
200°C

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 & PCBs Resolution Check Standard		
Expiration Date:	013129	Solvent(s):	Lot#
Recommended Storage:	Refrigerate (4 °C)	Hexane	273615 (50%)
Nominal Concentration (µg/mL):	Varied	Toluene	28508 (50%)
NIST Test ID#:	6UTB	Balance Uncertainty	5E-05
Volume(s) shown below were combined and diluted to (mL):	100.0	Pipet Uncertainty	0.021

 Formulated By: Lawrence Barry		013124 DATE
 Reviewed By: Pedro L. Rentes		013124 DATE

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty (mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty (±) µg/mL	(Solvent Safety Info. On Attached pg.)	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)	or-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)	or-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	or-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)	or-rat 36300µg/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	or-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	or-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

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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.:** 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

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↓
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DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

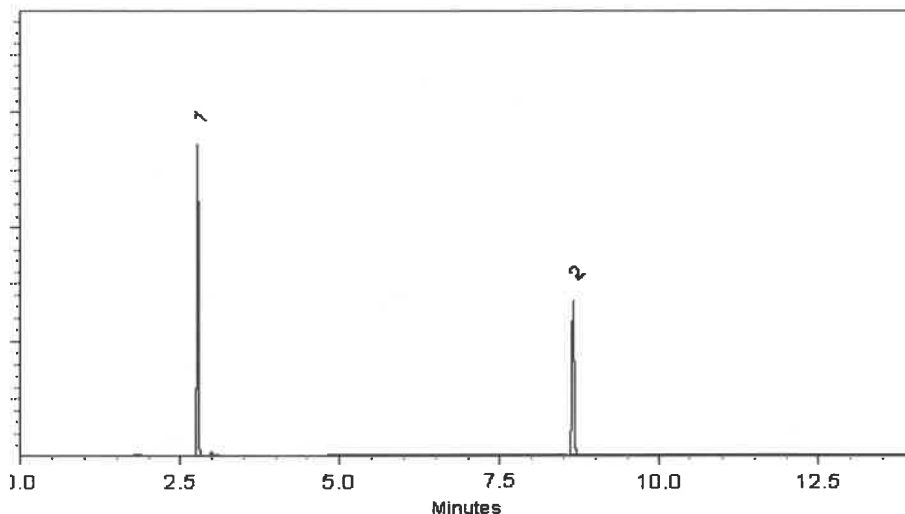
ECD

Split Vent:

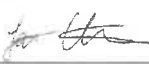
10 ml/min.

Inj. Vol

1µl

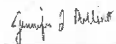


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

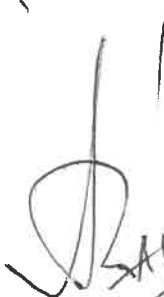
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 13348
↓
P 13357
10


SAUF
04/25/2025



110 Benner Circle
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.:** 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:

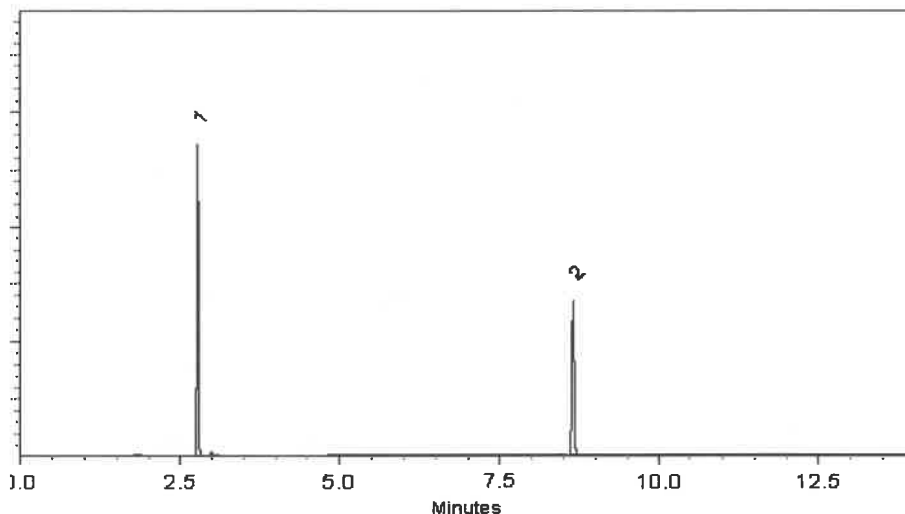
ECD

Split Vent:

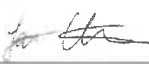
10 ml/min.

Inj. Vol

1µl

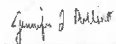


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

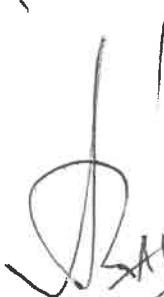
Balance Serial # 1128360905


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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CERTIFIED REFERENCE MATERIAL

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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

P13402
P13406
5/22/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	---%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

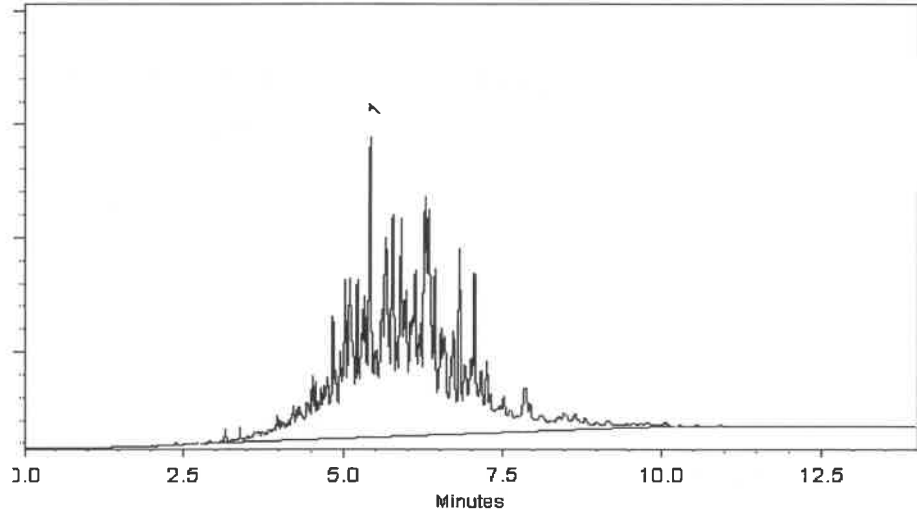
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

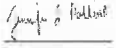


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13402
↓
P13406 } (5)

5/22/2024



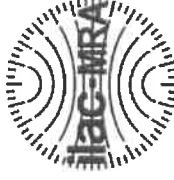
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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
AJ
11/19/24
P19789

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.)

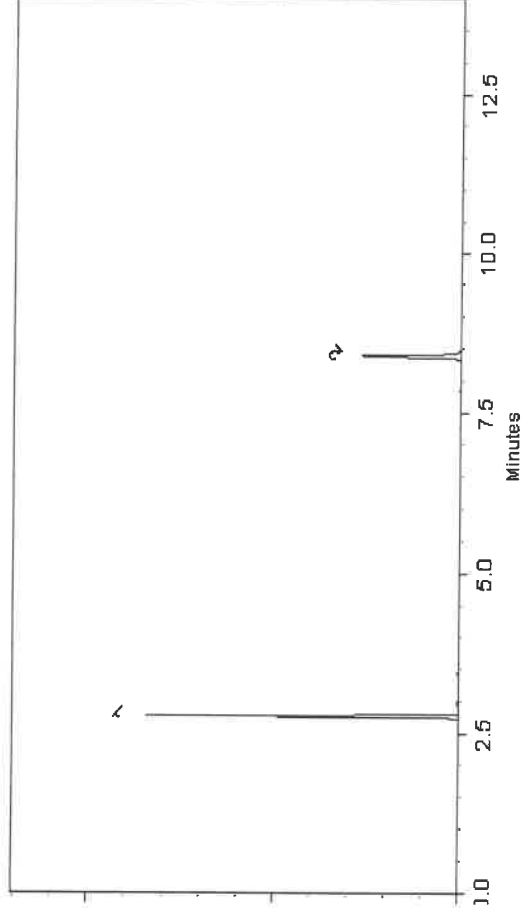
Inj. Temp:
250°C

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. P.
Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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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.:** 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:

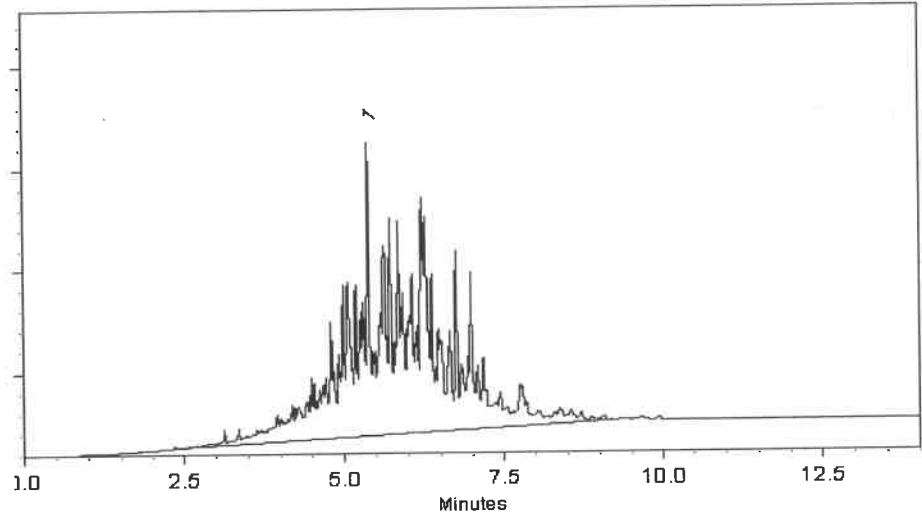
ECD

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

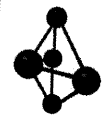

Christie Mills - Operations Lead Tech - ARM QC

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

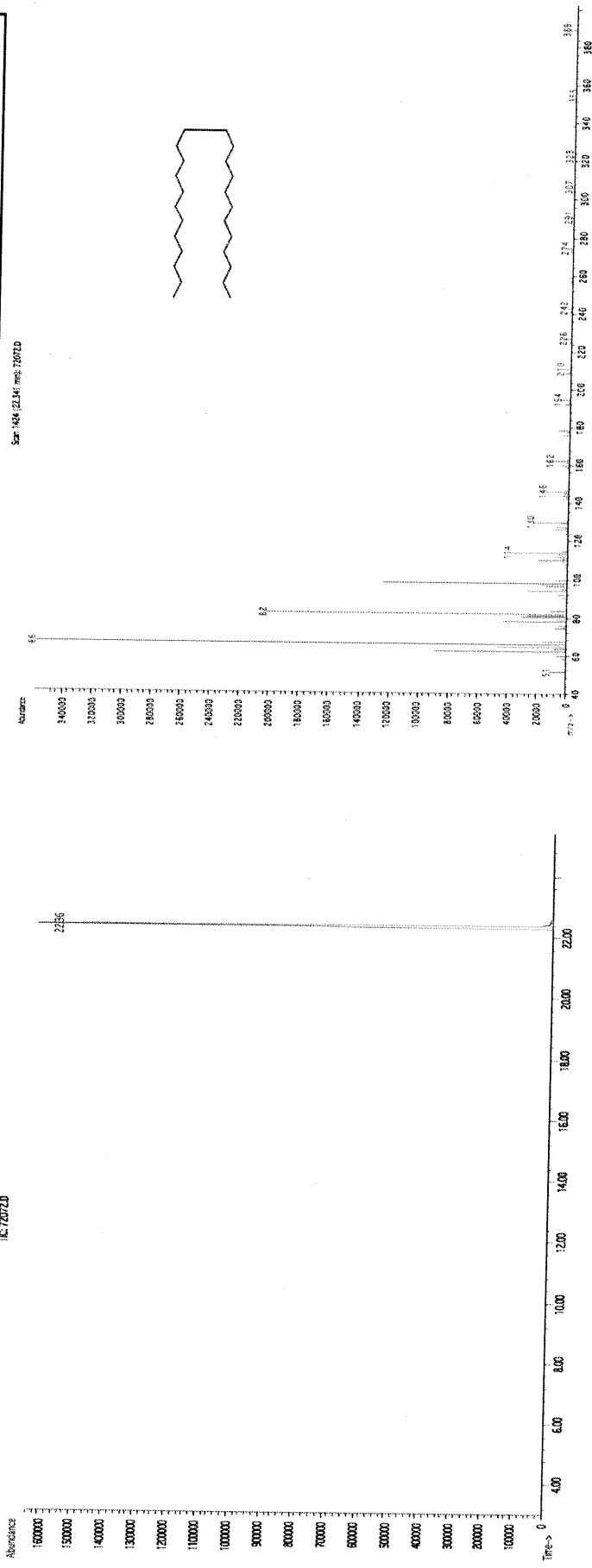
Part Number: 72072
Lot Number: 112018
Description: n-Tetracosane-d50
Expiration Date: 112028
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 2684186
Weight(s) shown below were combined and diluted to (mL): 200.0

Solvent(s): Methylene chloride
Lot#: 102669
Received by
SG on 11/11/19
p9044-p9053
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Prashant Chauhan	112018	DATE
Reviewed By:	Pedro Rentas	112018	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	18416-32-3 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.										

TC 720720



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).
• 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

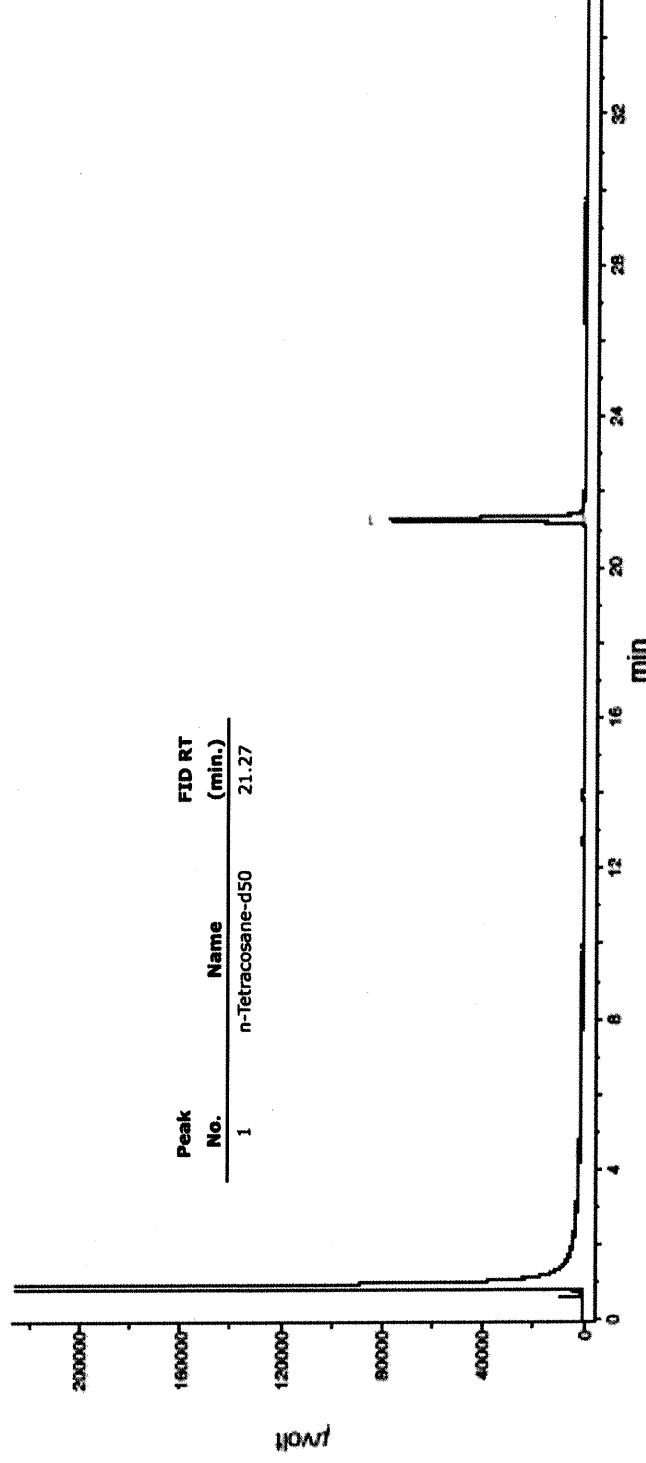
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

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 = eDAQ 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

COMPANY: Gonne & Fleming
ADDRESS: 1010 Adams Avenue
CITY: Audubon STATE: PA ZIP: 19403
ATTENTION: Joe Kruparsky
PHONE: 610-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak Sanborn
PROJECT NO.: 95000878 LOCATION: Keeney NJ
PROJECT MANAGER: Joe Kruparsky
e-mail: QAZQ@BEMSYS.COM
PHONE: 610-310-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Alliance PO#: 284 Sheffield
ADDRESS: 284 Sheffield
CITY: Mountainside STATE: NJ ZIP: 07092
ATTENTION: Samaria Beasley PHONE: 908-728-3148

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 + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ EDD FORMAT Bcm EDO

1. TCL-VOC+10
2. PCBS
3. Cr(VI)
4. TCL-SVOCs-BNA
5. TAU metals
6. EPH
7. Full TCP
8. RCPA Parameters
9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	B-187-SB00	S		X	5/31/25	900	5	X									
2.	B-187-SB01			X		930	8	X	X	X	X	X	X	X	X		
3.	B-187-SB02			X		1000	8	X	X	X	X	X	X	X	X		
4.	B-202-SB01			X		1015	8	X	X	X	X	X	X	X	X		
5.	EB05312025	DIW				1415	8	X	X	X	X	X	X	X			
6.	TB05312025	DIW				NA		X									
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt:	COMPLIANT	NON COMPLIANT	COOLER TEMP	9.7°C
1. <u>[Signature]</u>	<u>5/31/25</u>	1. <u>[Signature]</u> <u>6-2-25</u> <u>0700</u>	Comments:				
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:					
2.		2.					
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:					
3.		3.					

Page ____ of ____ CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

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 : Q2177	PORT06	Order Date : 6/2/2025 11:19:00 AM	Project Mgr : Yazmeen
Client Name : Portal Partners Tri-Venture		Project Name : Amtrak Sawtooth Bridges 2	Report Type : NJ Reduced
Client Contact : Joseph Krupansky		Receive DateTime : 6/2/2025 7:00:00 AM	EDD Type : EXCEL NJCLEANUP
Invoice Name : Portal Partners Tri-Venture		Purchase Order :	Hard Copy Date :
Invoice Contact : Joseph Krupansky			Date Signoff : 6/2/2025 12:21:09 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2177-01	B-187-SB00	Solid	05/31/2025	09:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2177-02	B-187-SB01	Solid	05/31/2025	09:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2177-04	B-187-SB02	Solid	05/31/2025	10:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2177-06	B-202-SB01	Solid	05/31/2025	10:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2177-08	EB05312025	Water	05/31/2025	14:15					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2177-09	TB05312025	Water	05/31/2025	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2177	PORT06	Order Date : 6/2/2025 11:19:00 AM	Project Mgr : Yazmeen
Client Name : Portal Partners Tri-Venture		Project Name : Amtrak Sawtooth Bridges 2	Report Type : NJ Reduced
Client Contact : Joseph Krupansky		Receive DateTime : 6/2/2025 7:00:00 AM	EDD Type : EXCEL NJCLEANUP
Invoice Name : Portal Partners Tri-Venture		Purchase Order :	Hard Copy Date :
Invoice Contact : Joseph Krupansky			Date Signoff : 6/2/2025 12:21:09 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
--------	-----------	--------	----------------	----------------	------	------------	--------	----------	--------------

Relinquished By :

Date / Time :



6/2/25 1150

Received By :

Date / Time :



6/2/25 1150

Storage Area : VOA Refridgerator Room