

Cover Page

Order ID : Q2079

Project ID : 540 Degraw St, Brooklyn, NY - E9309

Client : ENTACT

Lab Sample Number

Q2079-01
Q2079-02
Q2079-03
Q2079-04
Q2079-05
Q2079-06
Q2079-07
Q2079-08
Q2079-09
Q2079-10
Q2079-11
Q2079-12

Client Sample Number

WC-A2-01-G
WC-A2-01-C
WC-A2-01-C
WC-A2-01-C
WC-A2-02-G
WC-A2-02-C
WC-A2-02-C
WC-A2-02-C
WC-A2-03-G
WC-A2-03-C
WC-A2-03-C
WC-A2-03-C

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: 5/26/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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 #: Q2079

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: 05/26/2025

LAB CHRONICLE

OrderID:	Q2079	OrderDate:	5/19/2025 2:22:00 PM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	Location:	L31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2079-02	WC-A2-01-C	SOIL			05/13/25			05/19/25
			PCB	8082A		05/21/25	05/21/25	
Q2079-03	WC-A2-01-C	TCLP			05/13/25			05/19/25
			TCLP Herbicide	8151A		05/21/25	05/22/25	
			TCLP Pesticide	8081B		05/21/25	05/22/25	
Q2079-06	WC-A2-02-C	SOIL			05/13/25			05/19/25
			PCB	8082A		05/21/25	05/21/25	
Q2079-07	WC-A2-02-C	TCLP			05/13/25			05/19/25
			TCLP Herbicide	8151A		05/21/25	05/22/25	
			TCLP Pesticide	8081B		05/21/25	05/22/25	
Q2079-10	WC-A2-03-C	SOIL			05/13/25			05/19/25
			PCB	8082A		05/21/25	05/21/25	
Q2079-11	WC-A2-03-C	TCLP			05/13/25			05/19/25
			TCLP Herbicide	8151A		05/21/25	05/22/25	
			TCLP Pesticide	8081B		05/21/25	05/22/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q2079

Order ID: Q2079

Client: ENTACT

Project ID: 540 Degraw St, Brooklyn, NY - E9309

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: 0.000



QC SUMMARY

Surrogate Summary

SDG No.: Q2079

Client: ENTACT

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 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	16.4	82		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	17.5	88		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	16.0	80		30 (77)	150 (126)
I.BLK-PL095754.D	PIBLK-PL095754.D	Decachlorobiphenyl	1	20	18.9	95		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.6	93		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.1	101		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	17.6	88		30 (77)	150 (126)
Q2080-06MS	PL-HRH-COMP-01MS	Decachlorobiphenyl	1	20	19.1	96		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.4	92		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.9	104		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	17.4	87		30 (77)	150 (126)
Q2080-06MSD	PL-HRH-COMP-01MSD	Decachlorobiphenyl	1	20	19.3	97		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.3	92		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.2	101		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	17.1	86		30 (77)	150 (126)
PB168121BL	PB168121BL	Decachlorobiphenyl	1	20	20.3	101		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.5	102		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.3	106		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.8	99		30 (77)	150 (126)
PB168121BS	PB168121BS	Decachlorobiphenyl	1	20	23.6	118		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	23.9	120		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	24.5	123		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	22.3	111		30 (77)	150 (126)
PB168092TB	PB168092TB	Decachlorobiphenyl	1	20	20.8	104		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.4	107		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.7	109		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.3	102		30 (77)	150 (126)
I.BLK-PL095767.D	PIBLK-PL095767.D	Decachlorobiphenyl	1	20	18.9	94		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.7	93		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.0	100		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	17.6	88		30 (77)	150 (126)
Q2079-03	WC-A2-01-C	Decachlorobiphenyl	1	20	18.2	91		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.7	94		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	19.5	98		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	18.1	91		30 (77)	150 (126)
Q2079-07	WC-A2-02-C	Decachlorobiphenyl	1	20	19.6	98		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	19.4	97		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.9	104		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	17.4	87		30 (77)	150 (126)
Q2079-11	WC-A2-03-C	Decachlorobiphenyl	1	20	20.2	101		30 (43)	150 (140)

Surrogate Summary

SDG No.: Q2079

Client: ENTACT

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
Q2079-11	WC-A2-03-C	Tetrachloro-m-xylene	1	20	20.6	103		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	22.0	110		30 (43)	150 (140)
I.BLK-PL095776.D	PIBLK-PL095776.D	Tetrachloro-m-xylene	2	20	19.5	98		30 (77)	150 (126)
		Decachlorobiphenyl	1	20	18.9	95		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.8	94		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.8	104		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	17.9	89		30 (77)	150 (126)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2079</u>	Analytical Method:	<u>8081B</u>
Client:	<u>ENTACT</u>	DataFile :	<u>PL095759.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2080-06MS (Column 1)	PL-HRH-COMP-01MS gamma-BHC (Lindane)	5	0	5.10	ug/L	102				30 (60)	150 (152)	
	Heptachlor	5	0	4.80	ug/L	96				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)	
Client Sample ID: Q2080-06MS (Column 2)	PL-HRH-COMP-01MS gamma-BHC (Lindane)	5	0	5.10	ug/L	102				30 (60)	150 (152)	
	Heptachlor	5	0	4.70	ug/L	94				30 (56)	150 (147)	
	Heptachlor epoxide	5	0	5.10	ug/L	102				30 (77)	150 (143)	
	Endrin	5	0	4.50	ug/L	90				30 (76)	150 (144)	
	Methoxychlor	5	0	4.10	ug/L	82				30 (70)	150 (142)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2079</u>	Analytical Method:	<u>8081B</u>
Client:	<u>ENTACT</u>	DataFile :	<u>PL095760.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2080-06MSD (Column 1)	PL-HRH-COMP-01MSD											
	gamma-BHC (Lindane)	5	0	4.90	ug/L	98		4		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	5.10	ug/L	102		2		30 (77)	150 (143)	20 (20)
	Endrin	5	0	4.60	ug/L	92		2		30 (76)	150 (144)	20 (20)
	Methoxychlor	5	0	4.30	ug/L	86		2		30 (70)	150 (142)	20 (20)
Client Sample ID: Q2080-06MSD (Column 2)	PL-HRH-COMP-01MSD											
	gamma-BHC (Lindane)	5	0	5.00	ug/L	100		2		30 (60)	150 (152)	20 (20)
	Heptachlor	5	0	4.70	ug/L	94		0		30 (56)	150 (147)	20 (20)
	Heptachlor epoxide	5	0	5.00	ug/L	100		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	4.00	ug/L	80		2		30 (70)	150 (142)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2079

Analytical Method: 8081B

Client: ENTACT

Datafile : PL095762.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168121BS (Column 1)	gamma-BHC (Lindane)	0.5	0.57	ug/L	114				40 (82)	140 (129)	
	Heptachlor	0.5	0.54	ug/L	107				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.58	ug/L	117				40 (81)	140 (124)	
	Endrin	0.5	0.47	ug/L	94				40 (81)	140 (128)	
	Methoxychlor	0.5	0.44	ug/L	87				40 (78)	140 (108)	
PB168121BS (Column 2)	gamma-BHC (Lindane)	0.5	0.55	ug/L	110				40 (82)	140 (129)	
	Heptachlor	0.5	0.51	ug/L	102				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.56	ug/L	111				40 (81)	140 (124)	
	Endrin	0.5	0.45	ug/L	91				40 (81)	140 (128)	
	Methoxychlor	0.5	0.40	ug/L	81				40 (78)	140 (108)	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168121BL

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM Case No.: Q2079

SAS No.: Q2079 SDG NO.: Q2079

Lab Sample ID: PB168121BL

Lab File ID: PL095761.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 05/21/2025

Date Analyzed (1): 05/22/2025

Date Analyzed (2): 05/22/2025

Time Analyzed (1): 10:26

Time Analyzed (2): 10:26

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
PL-HRH-COMP-01MS	Q2080-06MS	PL095759.D	05/22/2025	05/22/2025
PL-HRH-COMP-01MSD	Q2080-06MSD	PL095760.D	05/22/2025	05/22/2025
PB168121BS	PB168121BS	PL095762.D	05/22/2025	05/22/2025
PB168092TB	PB168092TB	PL095764.D	05/22/2025	05/22/2025
WC-A2-01-C	Q2079-03	PL095772.D	05/22/2025	05/22/2025
WC-A2-02-C	Q2079-07	PL095773.D	05/22/2025	05/22/2025
WC-A2-03-C	Q2079-11	PL095774.D	05/22/2025	05/22/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/21/25
Client Sample ID:	PB168092TB	SDG No.:	Q2079
Lab Sample ID:	PB168092TB	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
PL095764.D	1	05/21/25 12:45	05/22/25 12:27	PB168121

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	21.7		30 (43) - 150 (140)	109%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.4		30 (77) - 150 (126)	107%	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\PL052225\
 Data File : PL095764.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 12:27
 Operator : AR\AJ
 Sample : PB168092TB
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB168092TB

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 22:38:52 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	67567861	79617838	21.414	20.342
28) SA Decachlor...	9.104	8.062	48957360	95027975	20.777	21.723

Target Compounds

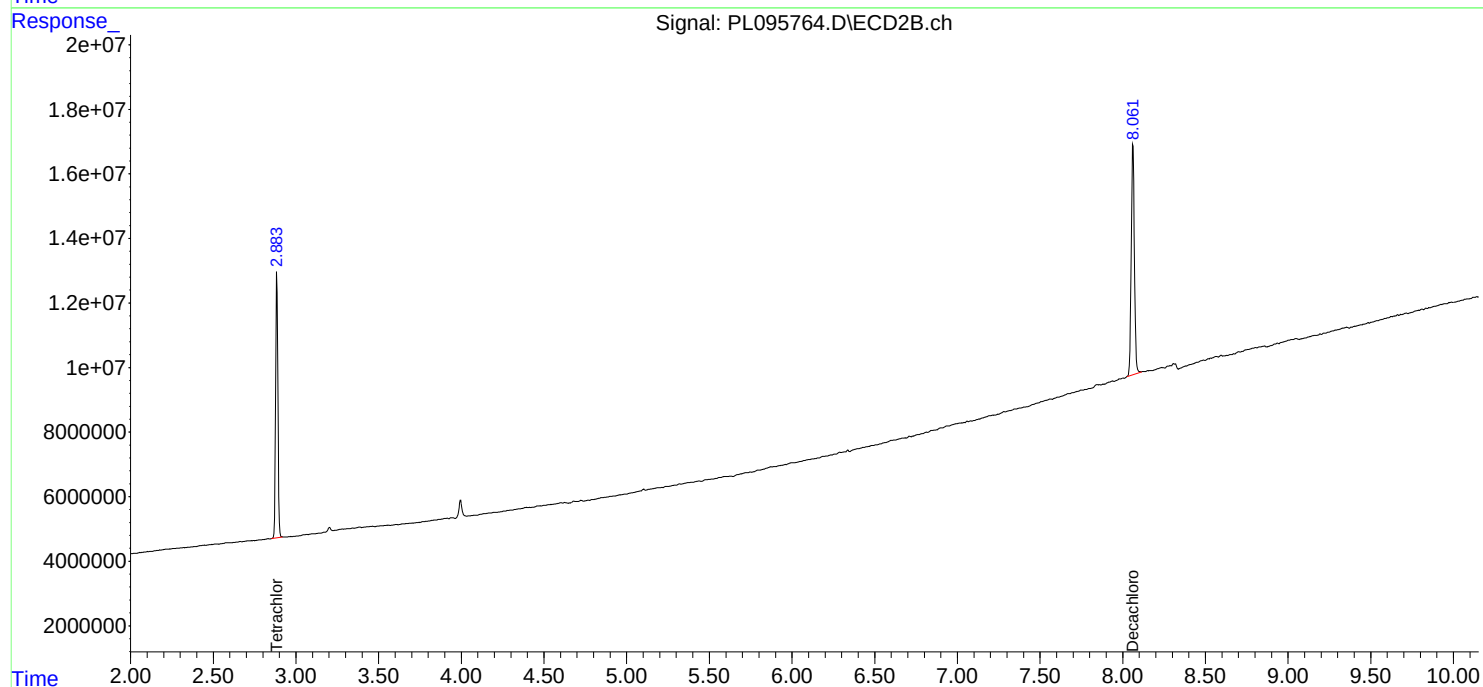
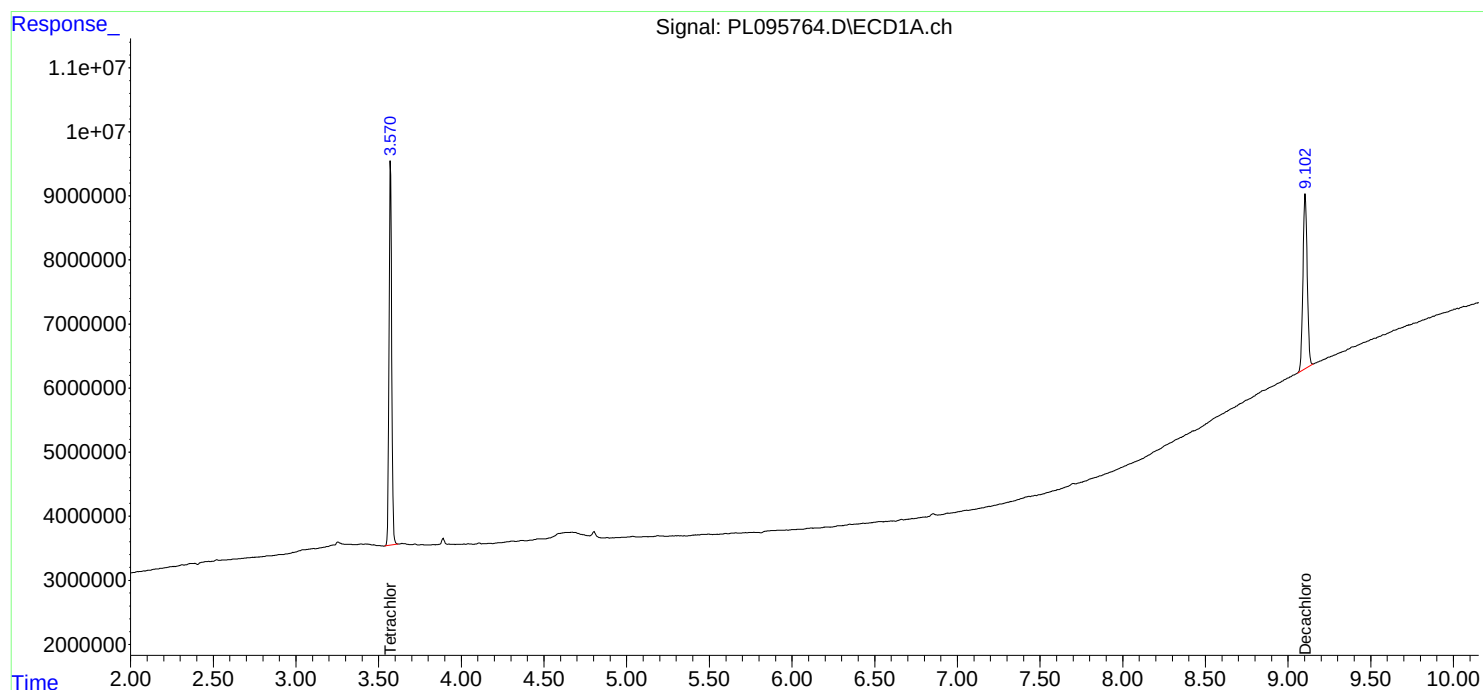
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

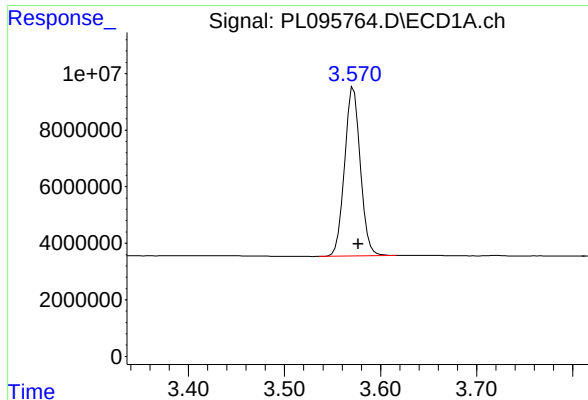
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052225\
Data File : PL095764.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 12:27
Operator : AR\AJ
Sample : PB168092TB
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168092TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 22:38:52 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

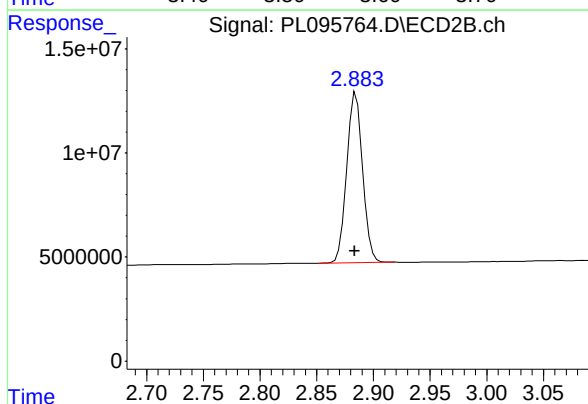




#1 Tetrachloro-m-xylene

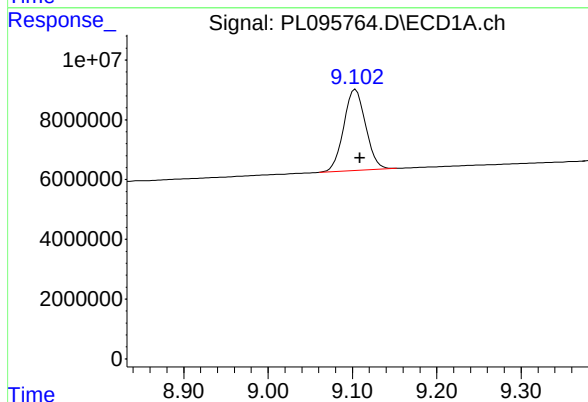
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 67567861
Conc: 21.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168092TB



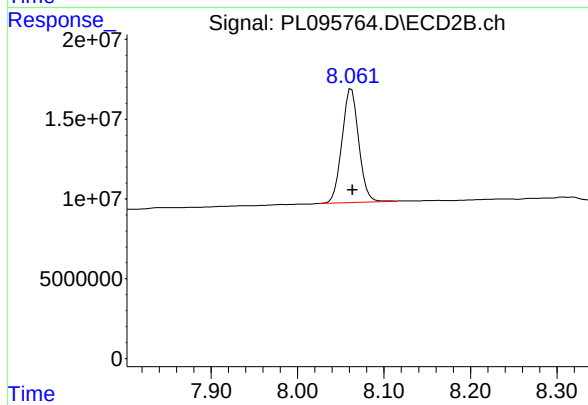
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.001 min
Response: 79617838
Conc: 20.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.104 min
Delta R.T.: -0.005 min
Response: 48957360
Conc: 20.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 95027975
Conc: 21.72 ng/ml

Report of Analysis

Client:	ENTACT		Date Collected:	05/13/25	
Project:	540 Degraw St, Brooklyn, NY - E9309		Date Received:	05/19/25	
Client Sample ID:	WC-A2-01-C		SDG No.:	Q2079	
Lab Sample ID:	Q2079-03		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
PL095772.D	1	05/21/25 12:45	05/22/25 14:29	PB168121

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	19.5		30 (43) - 150 (140)	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.7		30 (77) - 150 (126)	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\PL052225\
 Data File : PL095772.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 14:29
 Operator : AR\AJ
 Sample : Q2079-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 WC-A2-01-C

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 22:41:15 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...	3.573	2.886	59076189	70886718	18.723	18.111
28) SA Decachlor...	9.102	8.063	42800072	85370676	18.164	19.516

Target Compounds

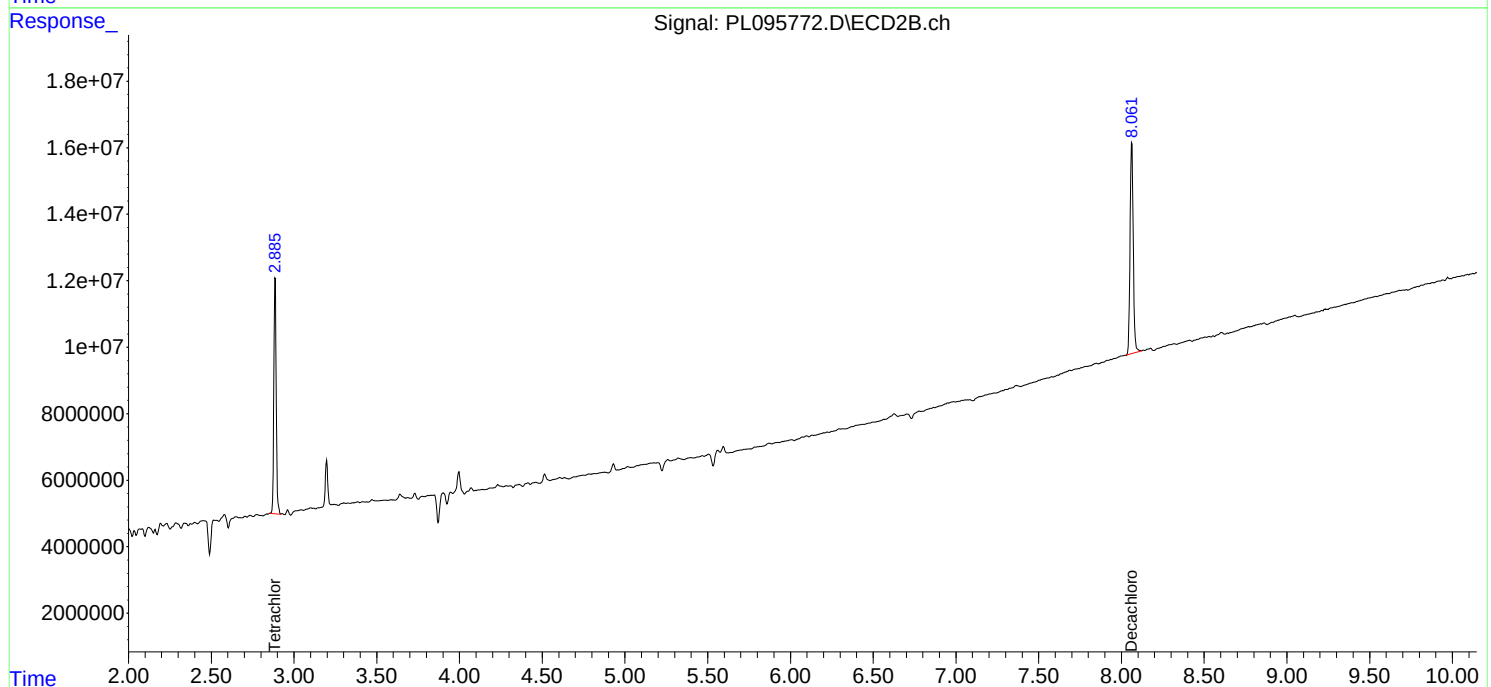
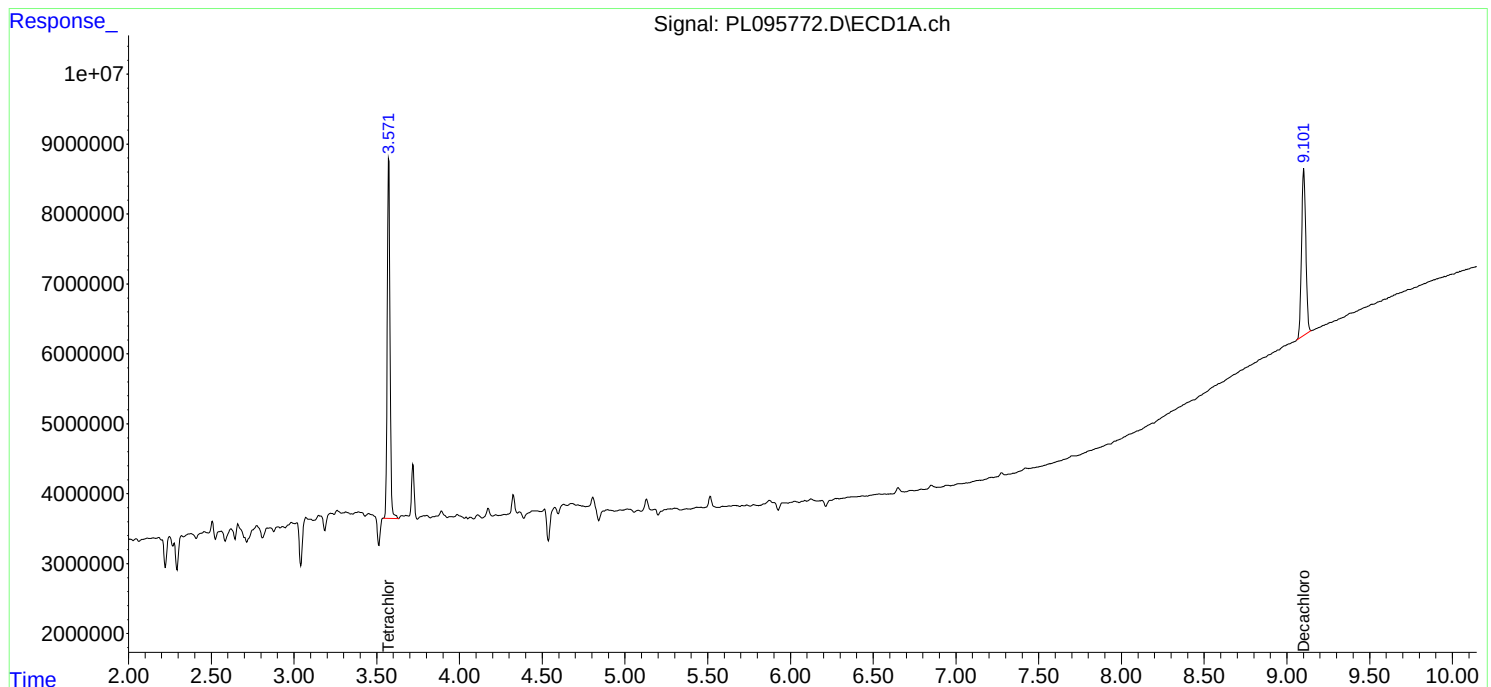
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

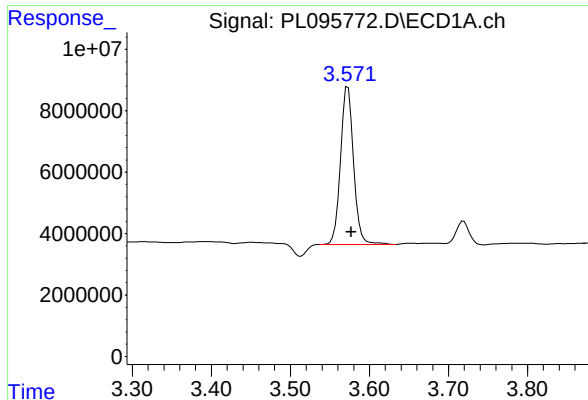
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052225\
Data File : PL095772.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 14:29
Operator : AR\AJ
Sample : Q2079-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WC-A2-01-C

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 22:41:15 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

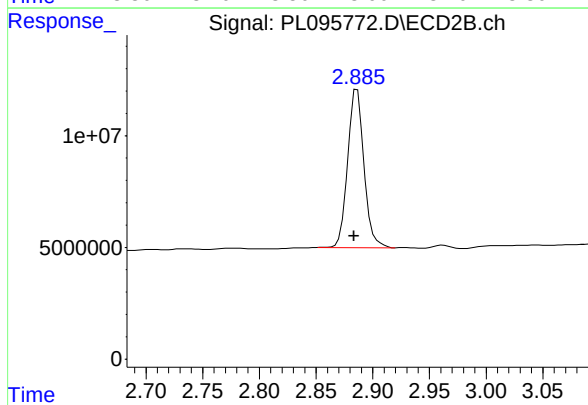




#1 Tetrachloro-m-xylene

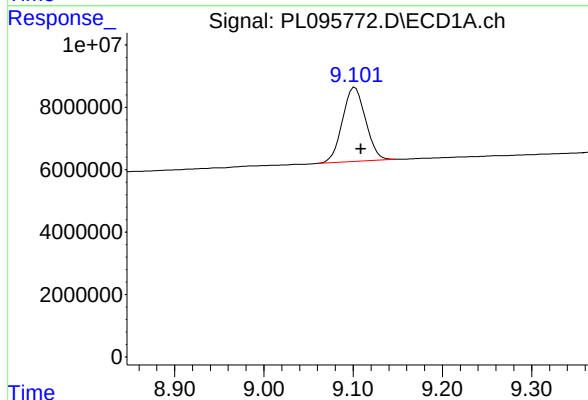
R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 59076189
Conc: 18.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-A2-01-C



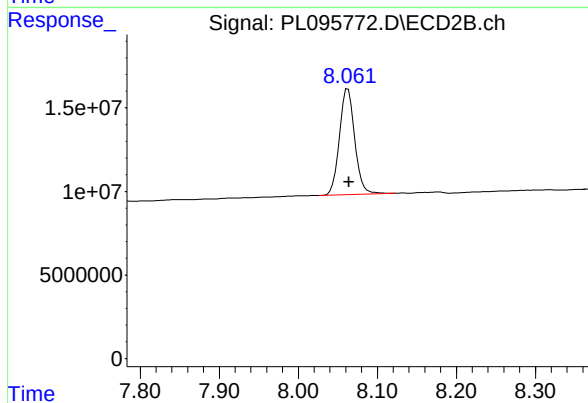
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.003 min
Response: 70886718
Conc: 18.11 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.102 min
Delta R.T.: -0.007 min
Response: 42800072
Conc: 18.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 85370676
Conc: 19.52 ng/ml

Report of Analysis

Client:	ENTACT	Date Collected:	05/13/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/19/25
Client Sample ID:	WC-A2-02-C	SDG No.:	Q2079
Lab Sample ID:	Q2079-07	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
PL095773.D	1	05/21/25 12:45	05/22/25 14:43	PB168121

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	20.9		30 (43) - 150 (140)	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.4		30 (77) - 150 (126)	97%	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\PL052225\
 Data File : PL095773.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 14:43
 Operator : AR\AJ
 Sample : Q2079-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 WC-A2-02-C

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/23/2025
 Supervised By : mohammad ahmed 05/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 22:41:30 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	2.886	61368414	68218855	19.450m	17.430
28) SA Decachlor...	9.103	8.062	46156512	91436634	19.588	20.902

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052225\
Data File : PL095773.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 14:43
Operator : AR\AJ
Sample : Q2079-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

WC-A2-02-C

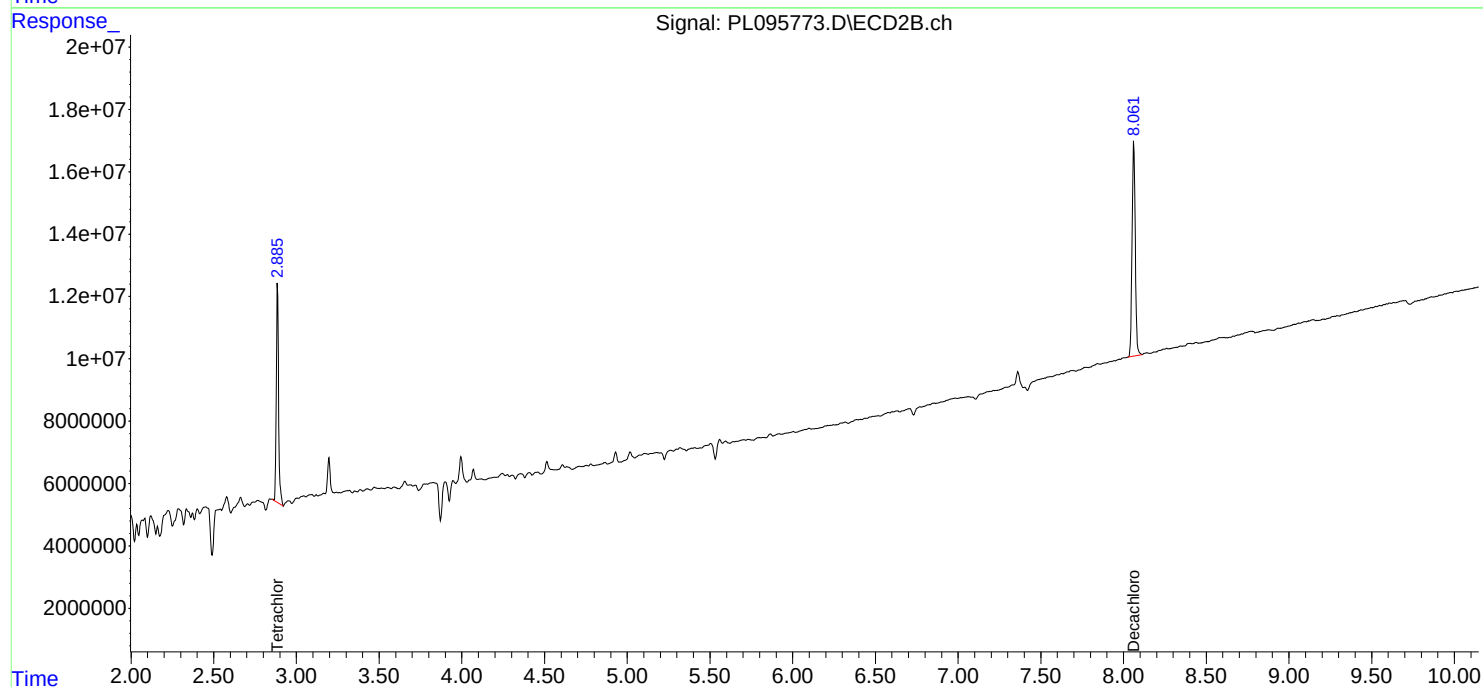
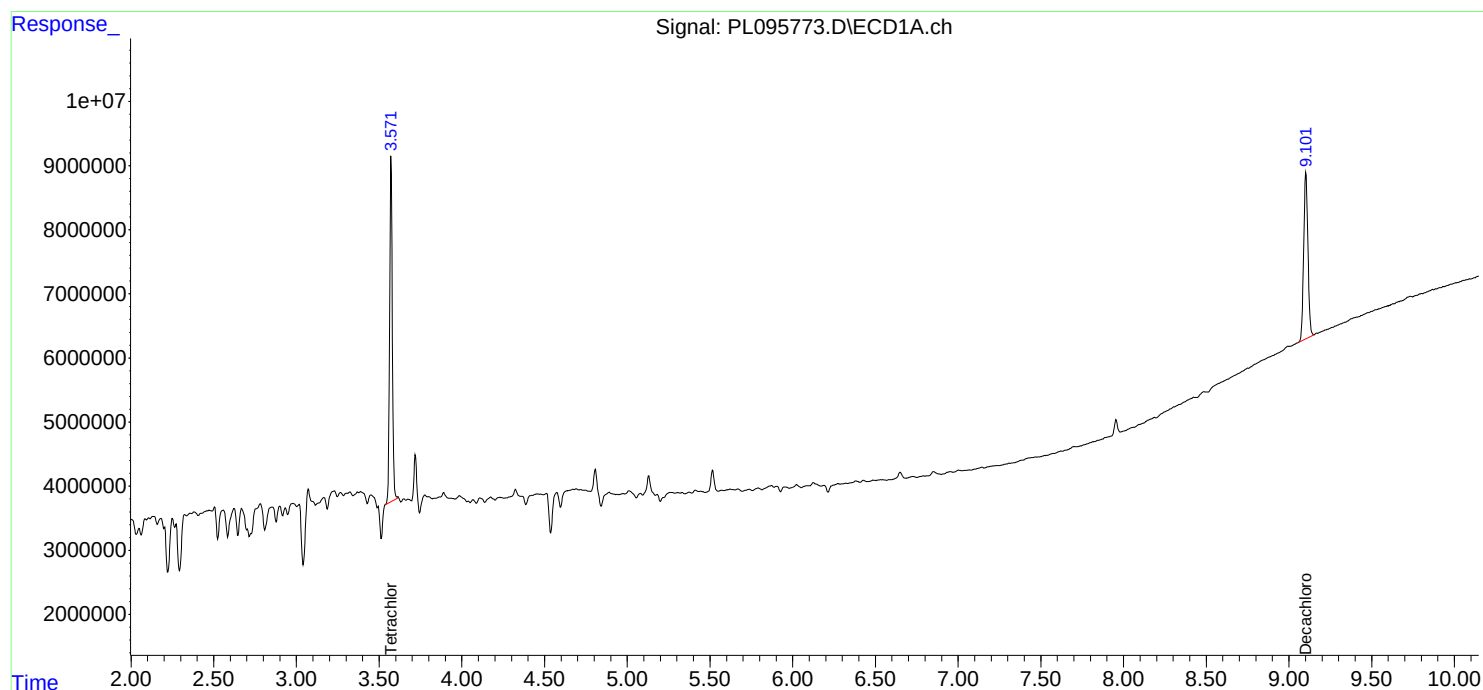
Manual Integrations**APPROVED**

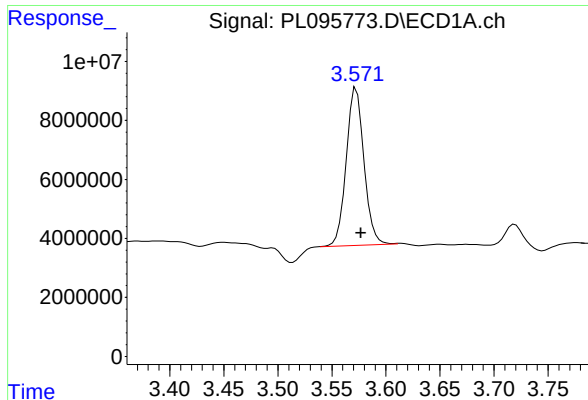
Reviewed By :Abdul Mirza 05/23/2025

Supervised By :mohammad ahmed 05/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 22:41:30 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





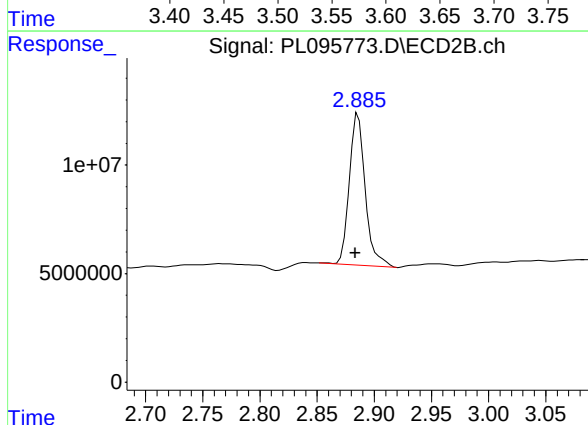
#1 Tetrachloro-m-xylene

R.T.: 3.571 min
Delta R.T.: -0.006 min
Response: 61368414
Conc: 19.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-A2-02-C

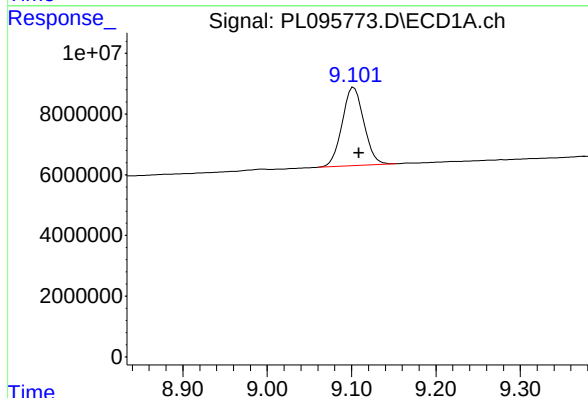
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



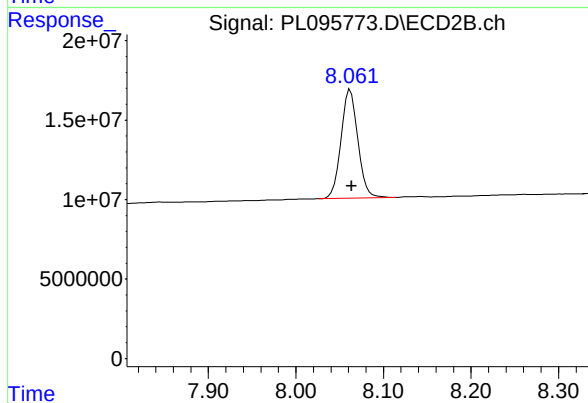
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.003 min
Response: 68218855
Conc: 17.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.103 min
Delta R.T.: -0.006 min
Response: 46156512
Conc: 19.59 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 91436634
Conc: 20.90 ng/ml

Report of Analysis

Client:	ENTACT	Date Collected:	05/13/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/19/25
Client Sample ID:	WC-A2-03-C	SDG No.:	Q2079
Lab Sample ID:	Q2079-11	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
PL095774.D	1	05/21/25 12:45	05/22/25 14:57	PB168121

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	22.0		30 (43) - 150 (140)	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		30 (77) - 150 (126)	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\PL052225\
 Data File : PL095774.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 14:57
 Operator : AR\AJ
 Sample : Q2079-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 WC-A2-03-C

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 22:41:43 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...	3.572	2.886	65029847	76459716	20.610	19.535
28) SA Decachlor...	9.102	8.061	47638955	96408346	20.217	22.039

Target Compounds

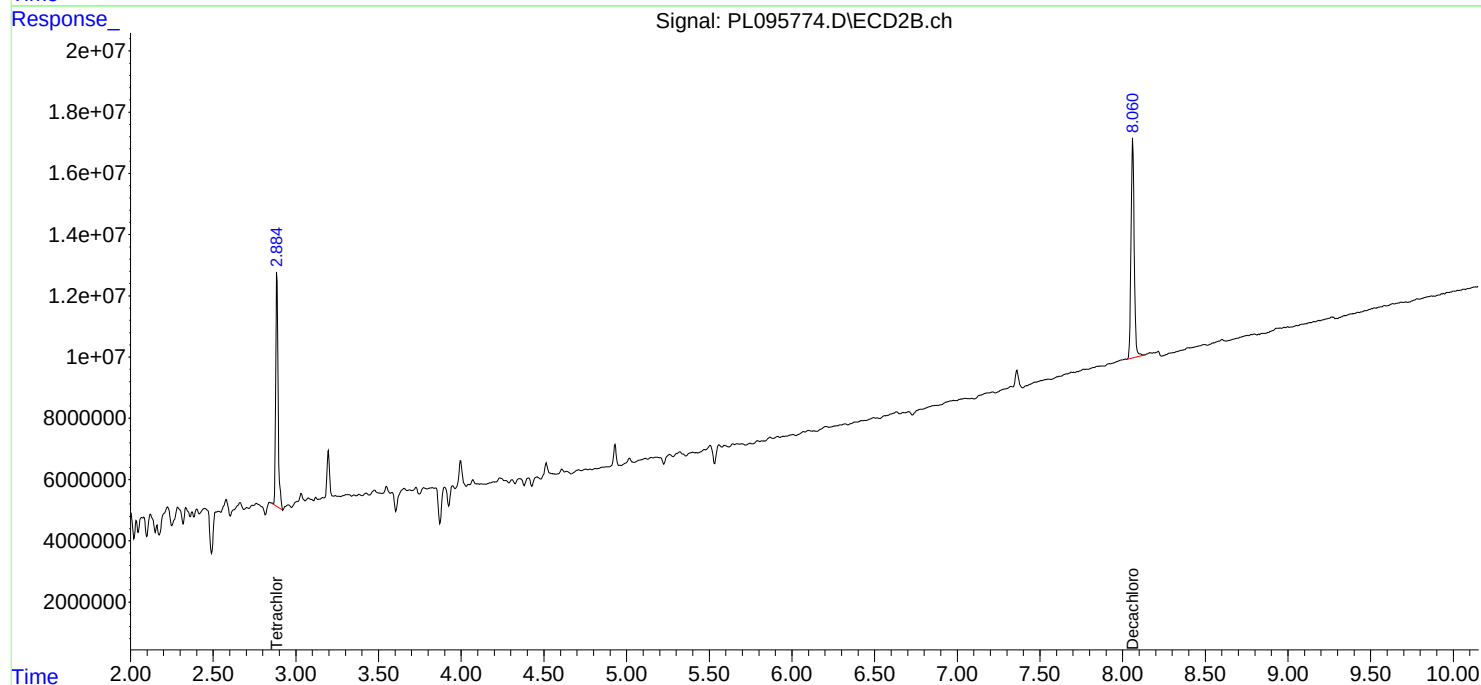
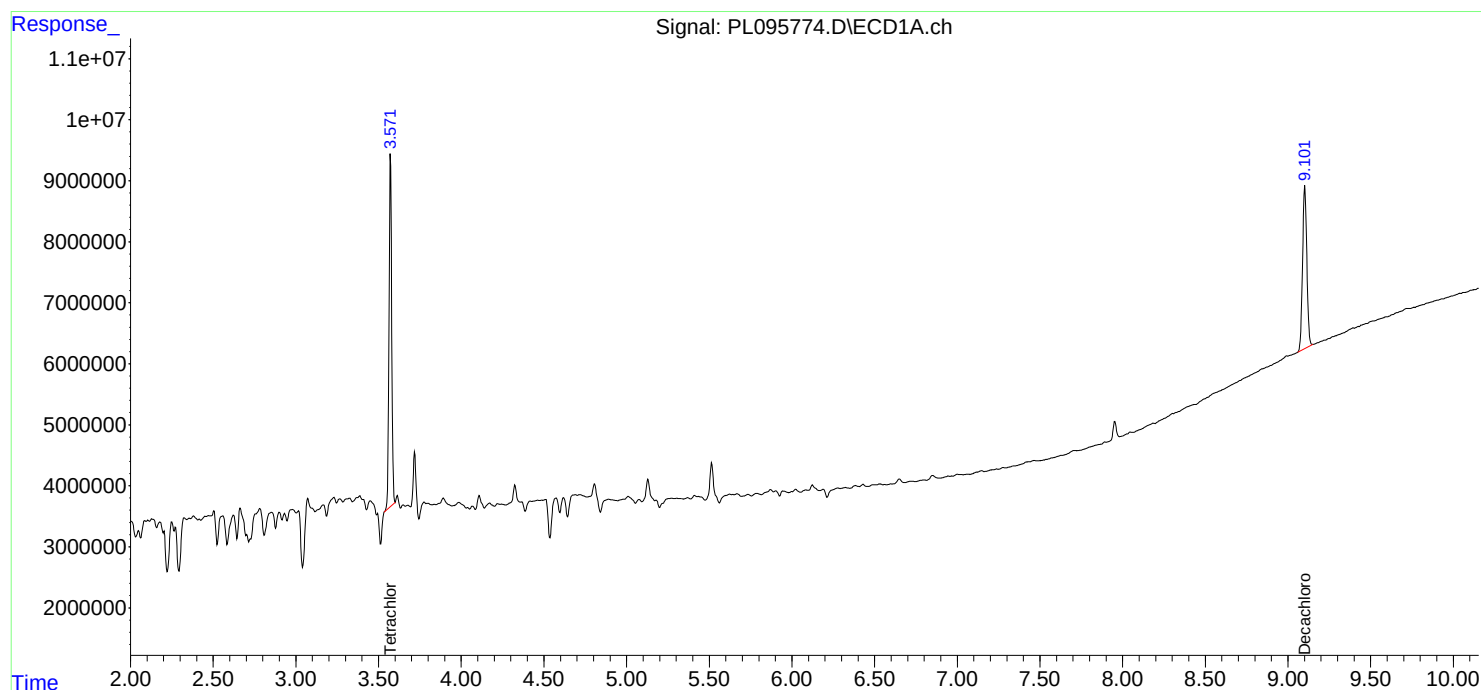
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

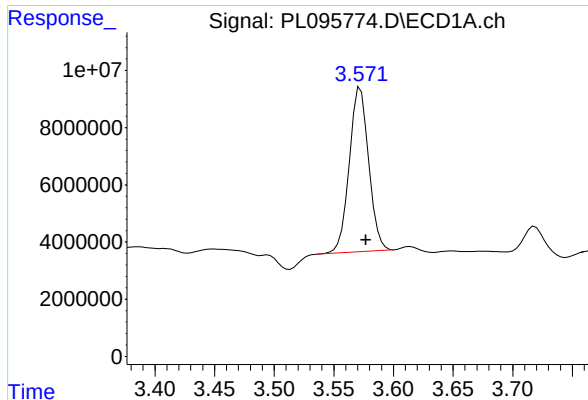
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052225\
Data File : PL095774.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 14:57
Operator : AR\AJ
Sample : Q2079-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WC-A2-03-C

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 22:41:43 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

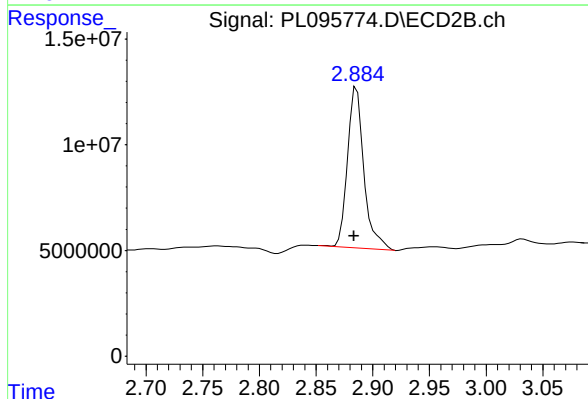




#1 Tetrachloro-m-xylene

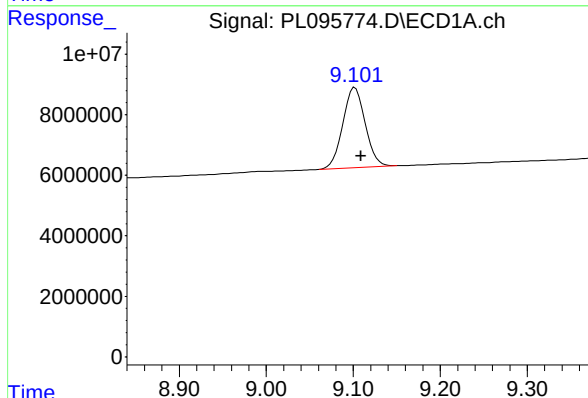
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 65029847
Conc: 20.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-A2-03-C



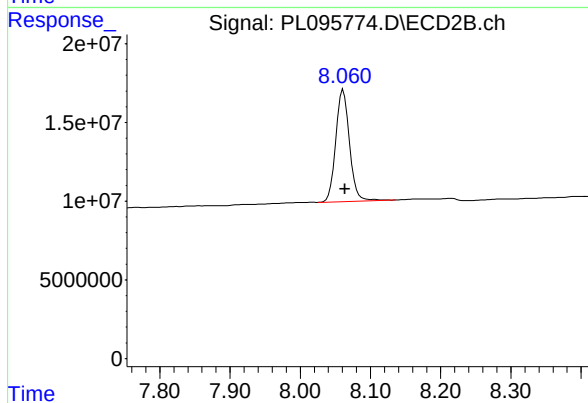
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 76459716
Conc: 19.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.102 min
Delta R.T.: -0.007 min
Response: 47638955
Conc: 20.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.002 min
Response: 96408346
Conc: 22.04 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: ENTA05

Lab Code: CHEM Case No.: Q2079 SAS No.: Q2079 SDG NO.: Q2079

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: ENTA05
Lab Code: CHEM **Case No.:** Q2079 **SAS No.:** Q2079 **SDG NO.:** Q2079
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



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ENTA05

Lab Code: CHEM Case No.: Q2079 SAS No.: Q2079 SDG NO.: Q2079

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



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ENTA05

Lab Code: CHEM Case No.: Q2079 SAS No.: Q2079 SDG NO.: Q2079

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
2) 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

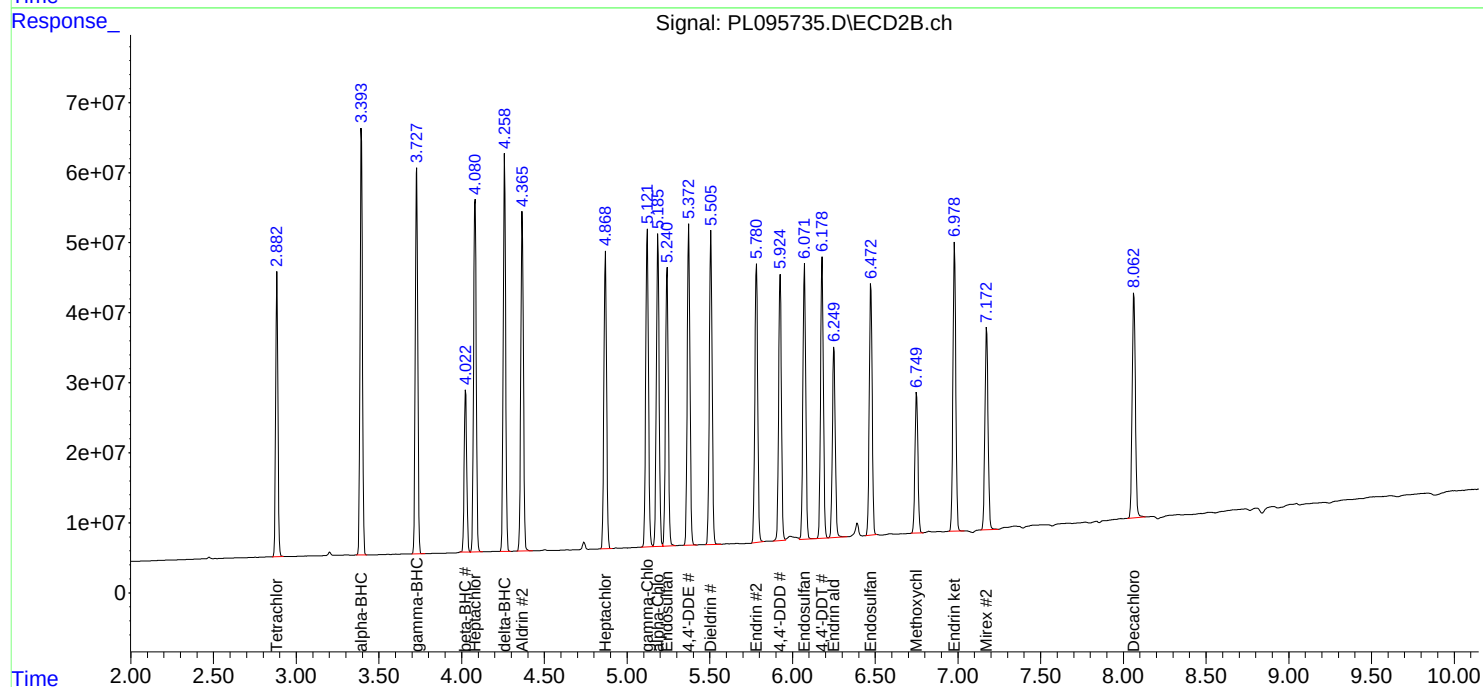
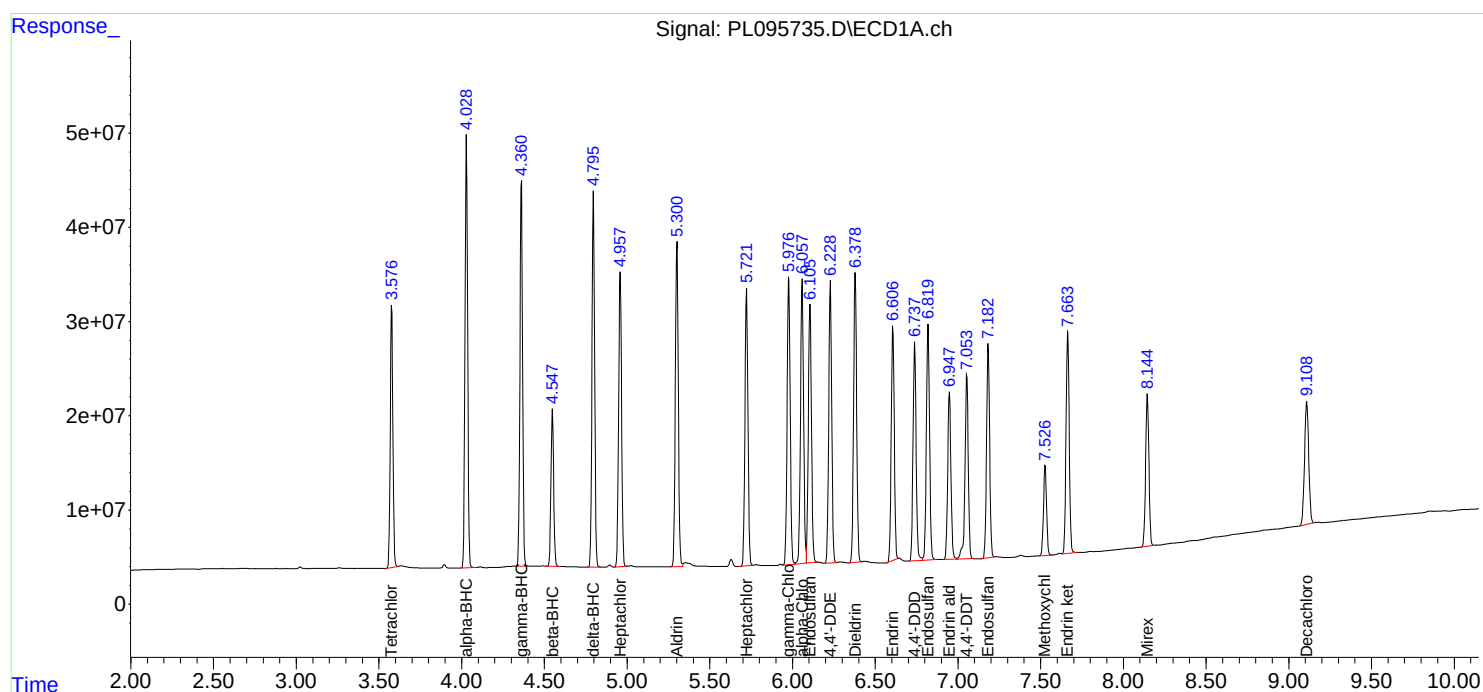
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

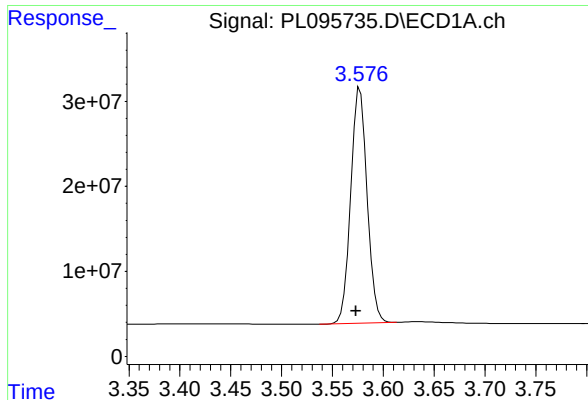
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095735.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 11:35
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

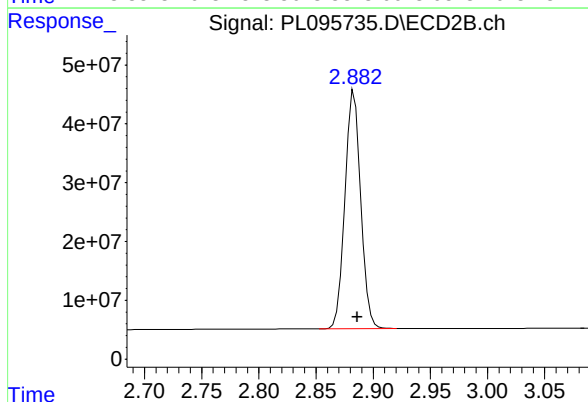




#1 Tetrachloro-m-xylene

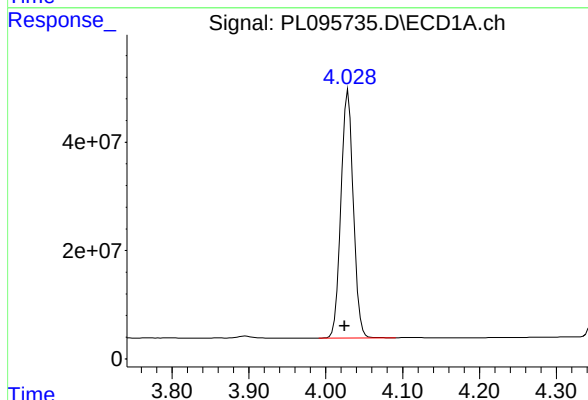
R.T.: 3.577 min
Delta R.T.: 0.004 min
Response: 309967135
Conc: 101.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



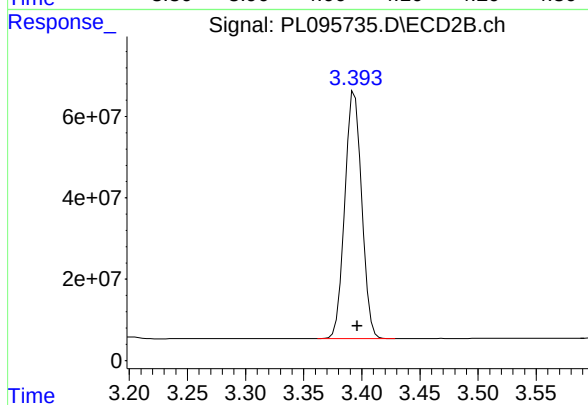
#1 Tetrachloro-m-xylene

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



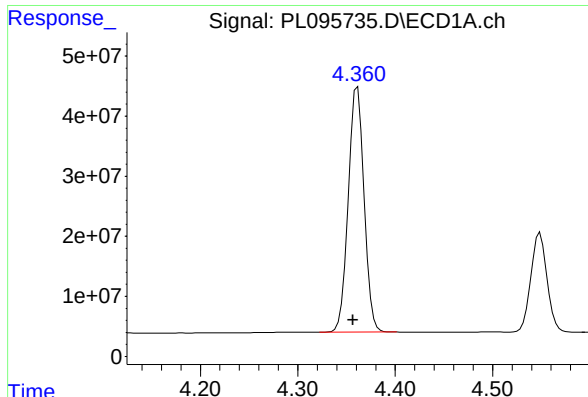
#2 alpha-BHC

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



#2 alpha-BHC

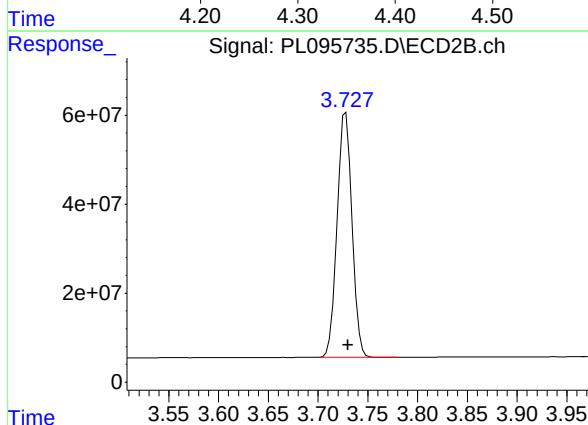
R.T.: 3.394 min
Delta R.T.: -0.002 min
Response: 612037541
Conc: 102.75 ng/ml



#3 gamma-BHC (Lindane)

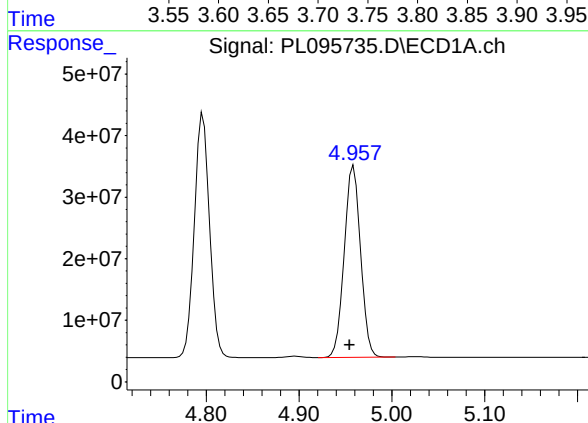
R.T.: 4.361 min
Delta R.T.: 0.005 min
Response: 458819255
Conc: 104.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



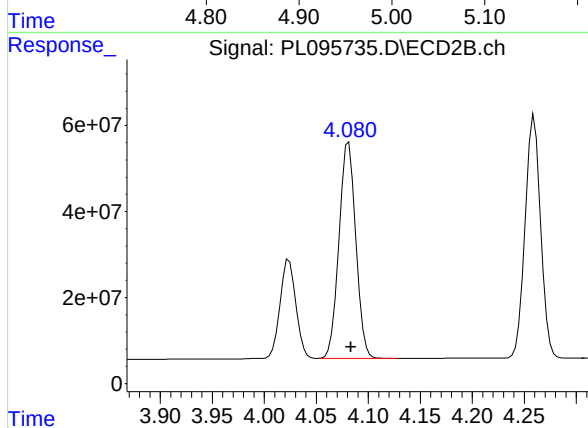
#3 gamma-BHC (Lindane)

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



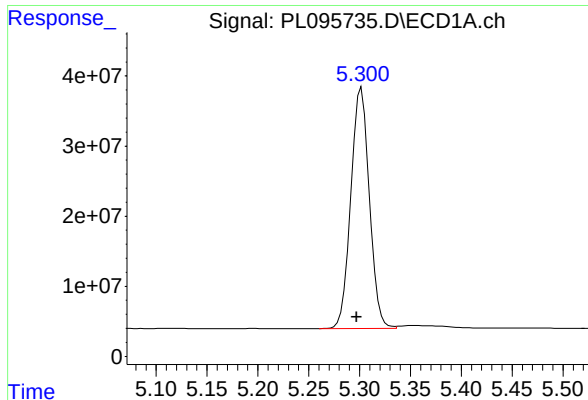
#4 Heptachlor

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



#4 Heptachlor

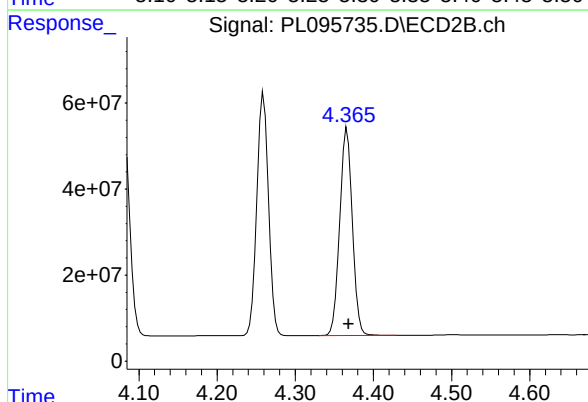
R.T.: 4.081 min
Delta R.T.: -0.002 min
Response: 566013076
Conc: 100.86 ng/ml



#5 Aldrin

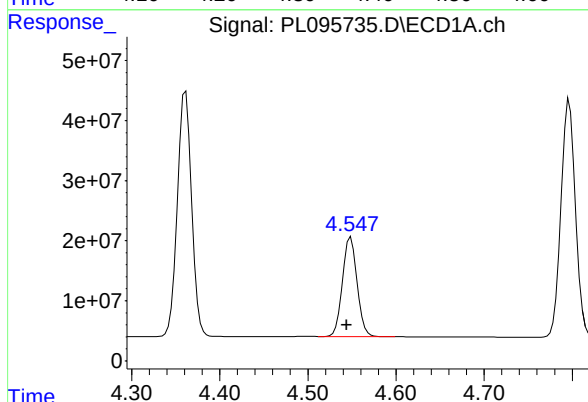
R.T.: 5.302 min
Delta R.T.: 0.005 min
Response: 434711407
Conc: 103.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



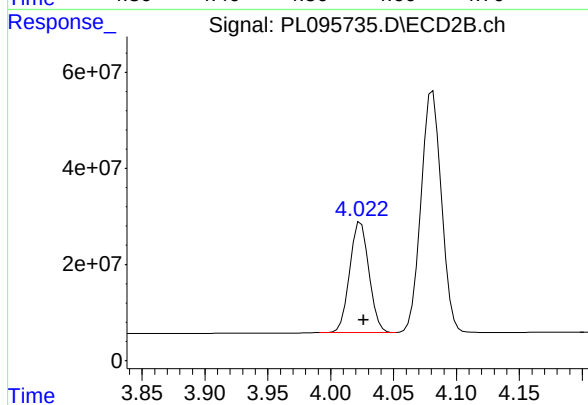
#5 Aldrin

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



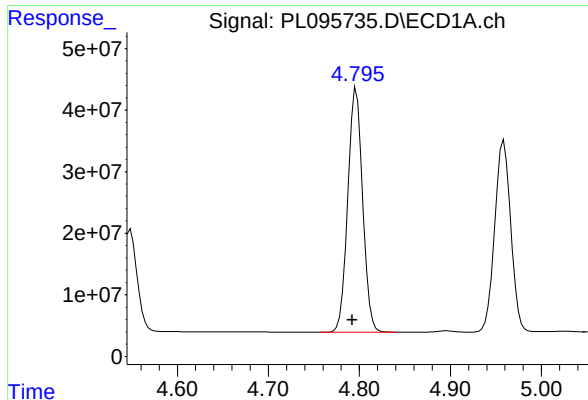
#6 beta-BHC

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



#6 beta-BHC

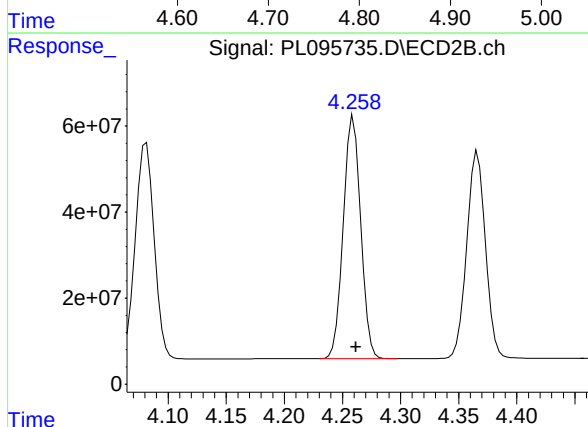
R.T.: 4.024 min
Delta R.T.: -0.002 min
Response: 243373888
Conc: 98.48 ng/ml



#7 delta-BHC

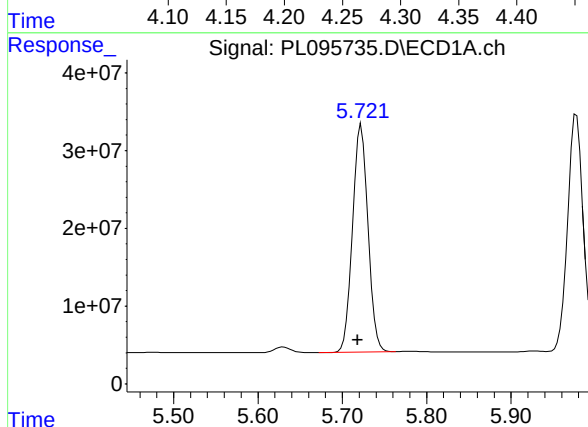
R.T.: 4.797 min
Delta R.T.: 0.004 min
Response: 451035540
Conc: 102.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



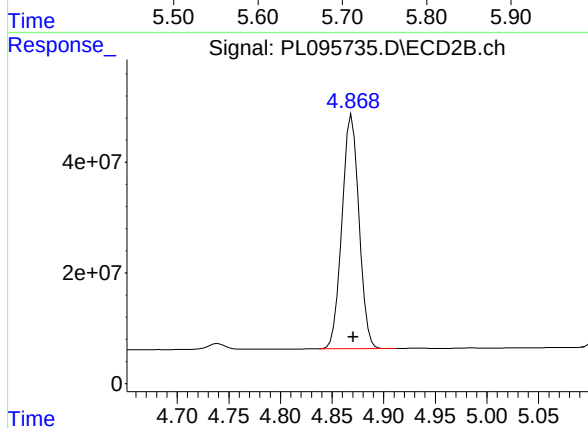
#7 delta-BHC

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



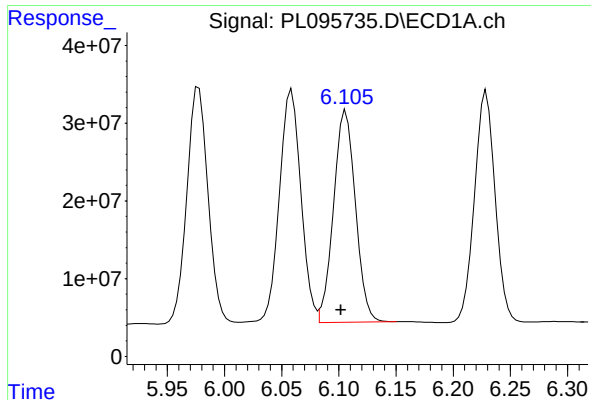
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

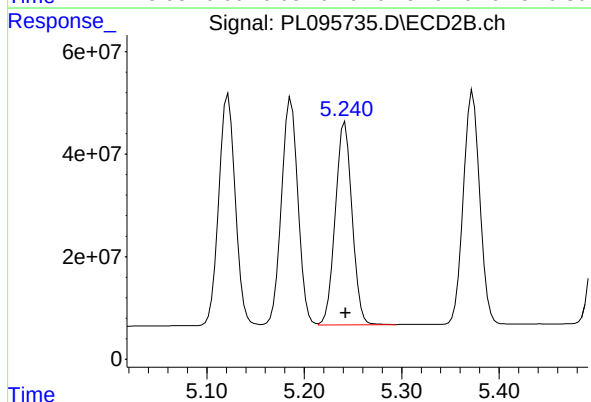
R.T.: 4.869 min
Delta R.T.: -0.001 min
Response: 485424902
Conc: 98.19 ng/ml



#9 Endosulfan I

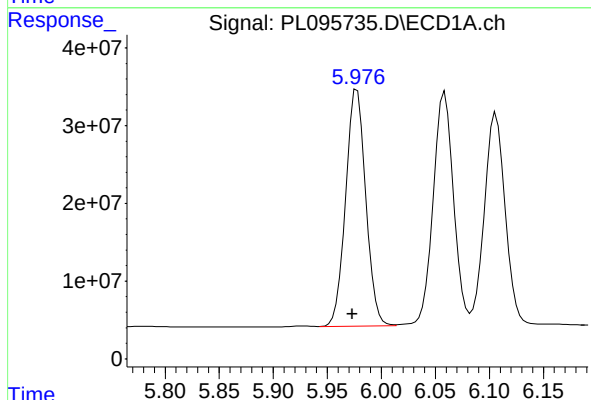
R.T.: 6.106 min
Delta R.T.: 0.004 min
Response: 362547891
Conc: 100.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



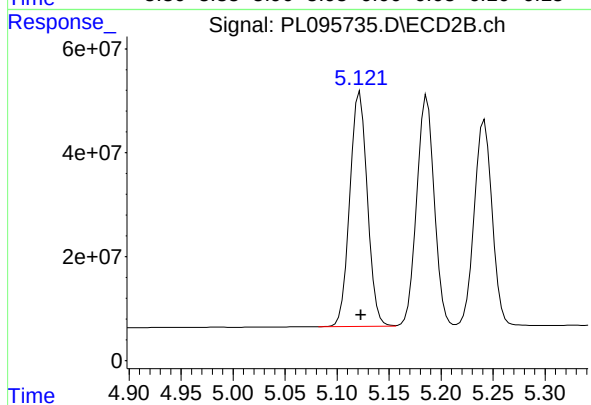
#9 Endosulfan I

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



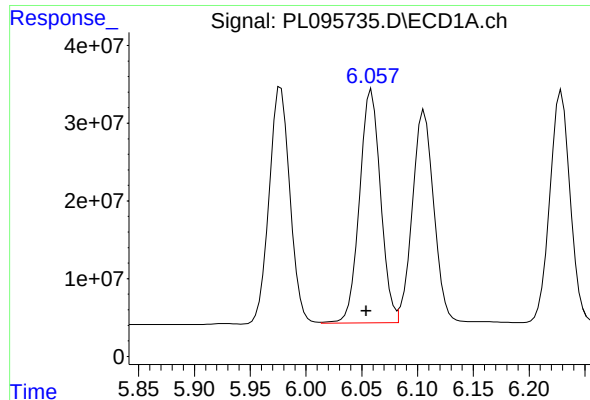
#10 gamma-Chlordane

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



#10 gamma-Chlordane

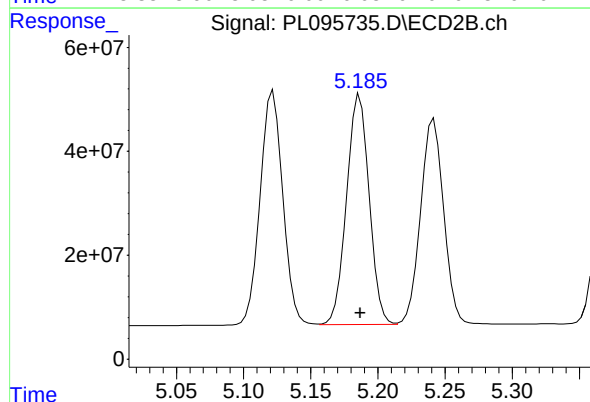
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 530081890
Conc: 101.30 ng/ml



#11 alpha-Chlordane

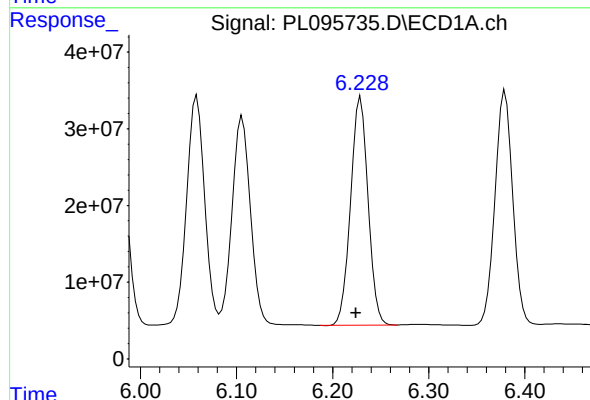
R.T.: 6.059 min
Delta R.T.: 0.005 min
Response: 393609484
Conc: 101.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



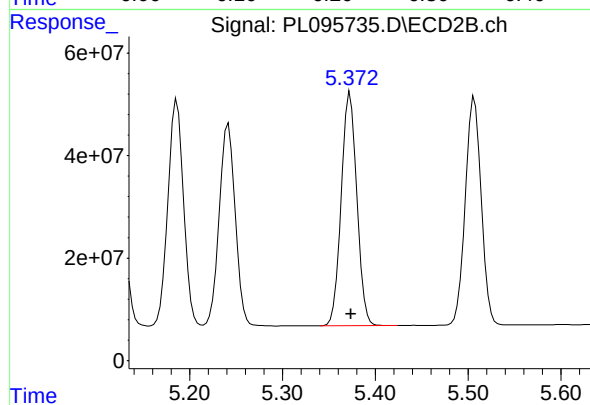
#11 alpha-Chlordane

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



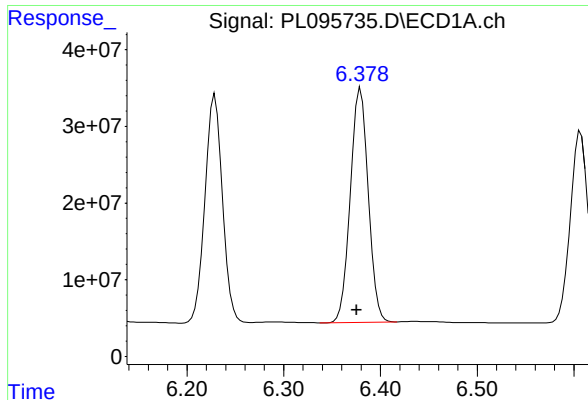
#12 4,4'-DDE

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



#12 4,4'-DDE

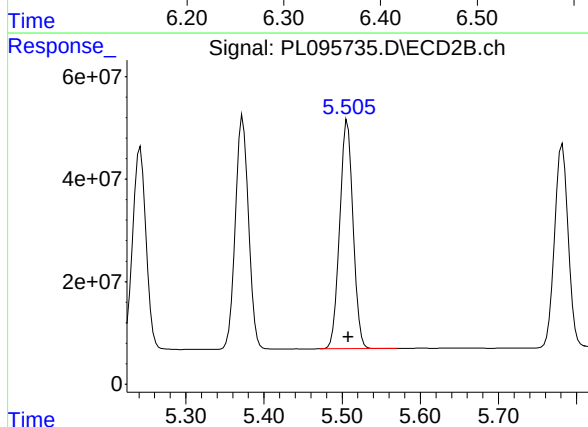
R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 532820175
Conc: 99.72 ng/ml



#13 Dieldrin

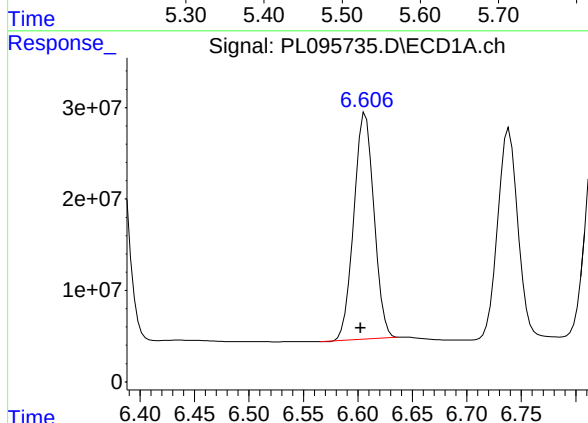
R.T.: 6.379 min
Delta R.T.: 0.004 min
Response: 390395480
Conc: 102.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



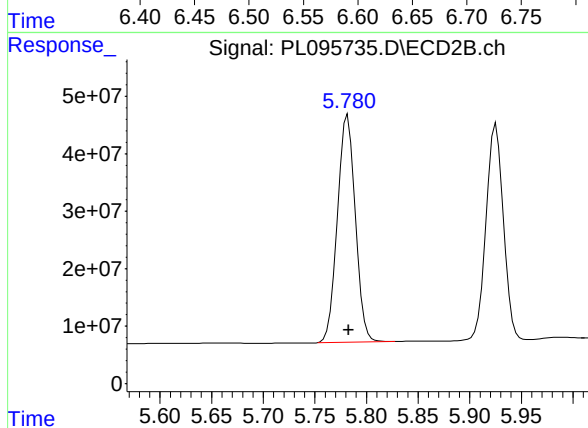
#13 Dieldrin

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



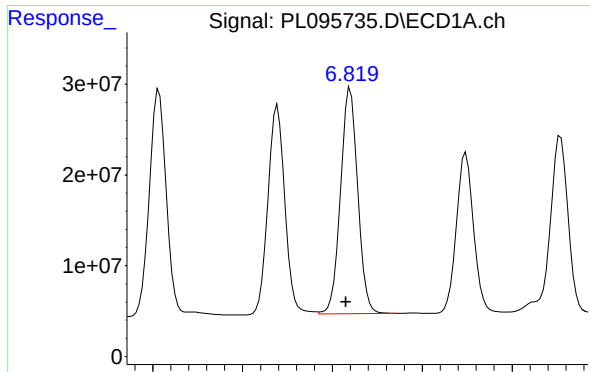
#14 Endrin

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



#14 Endrin

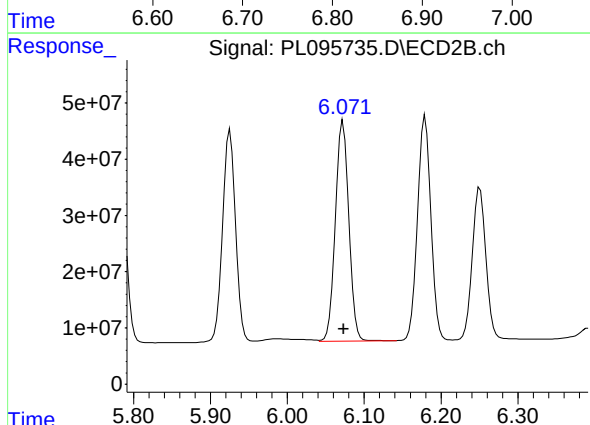
R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 478136475
Conc: 98.77 ng/ml



#15 Endosulfan II

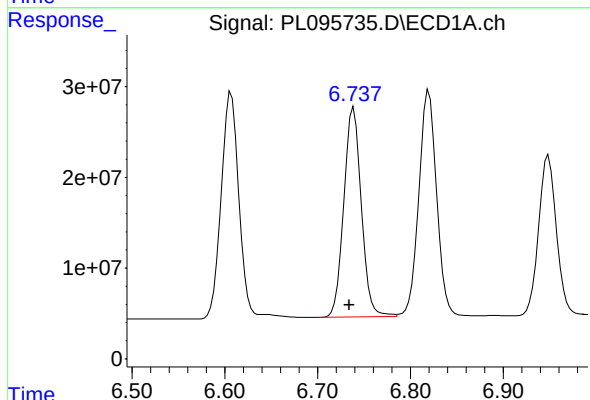
R.T.: 6.820 min
Delta R.T.: 0.005 min
Response: 331382885
Conc: 99.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



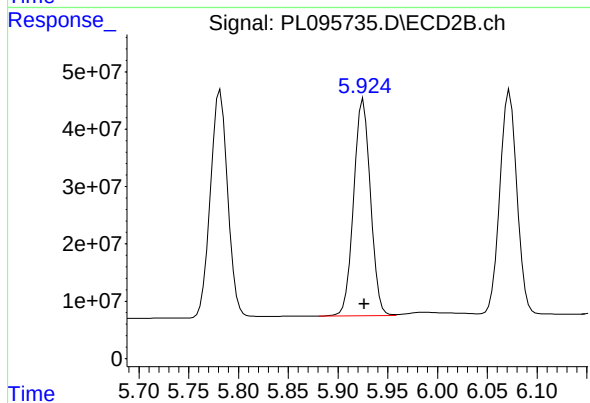
#15 Endosulfan II

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



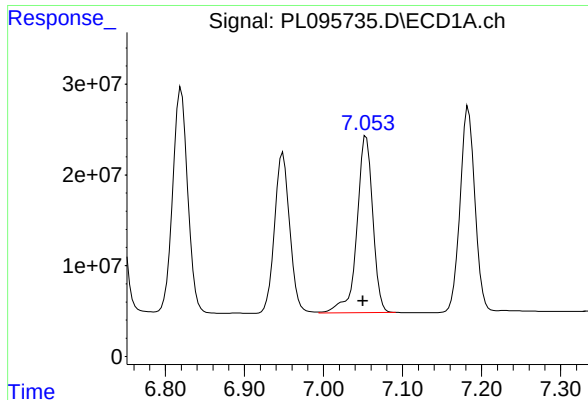
#16 4,4'-DDD

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



#16 4,4'-DDD

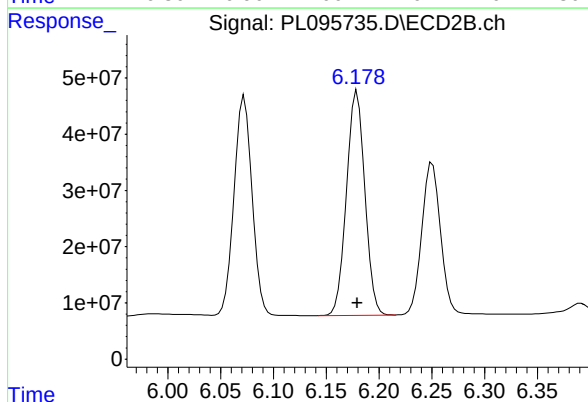
R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 444557983
Conc: 100.94 ng/ml



#17 4,4'-DDT

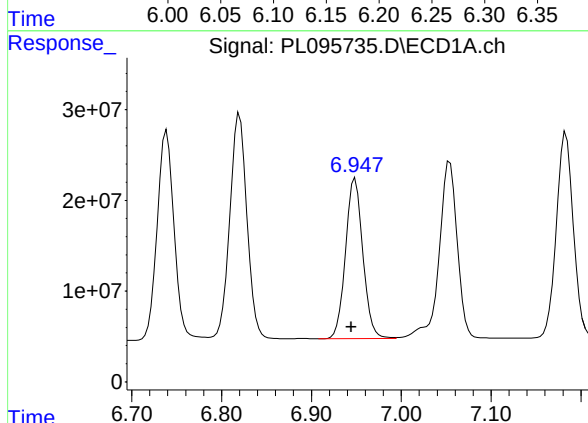
R.T.: 7.054 min
Delta R.T.: 0.004 min
Response: 271282896
Conc: 102.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



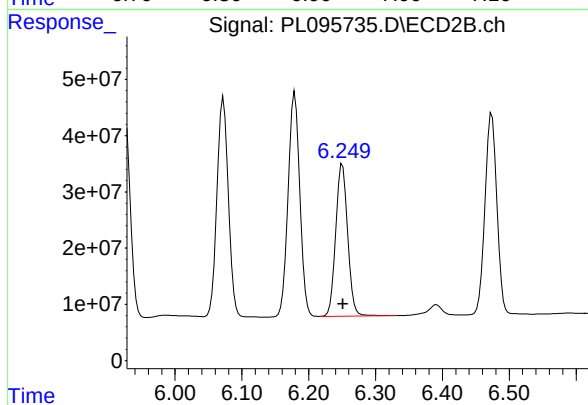
#17 4,4'-DDT

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



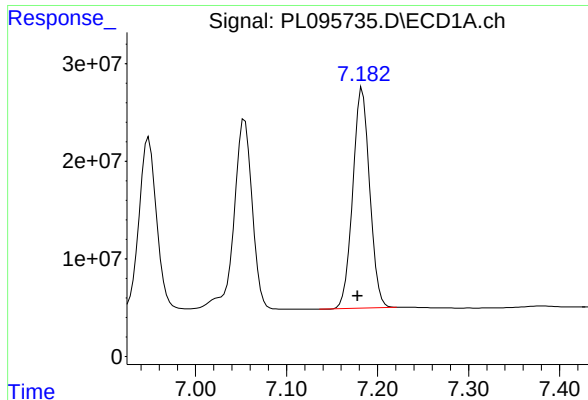
#18 Endrin aldehyde

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



#18 Endrin aldehyde

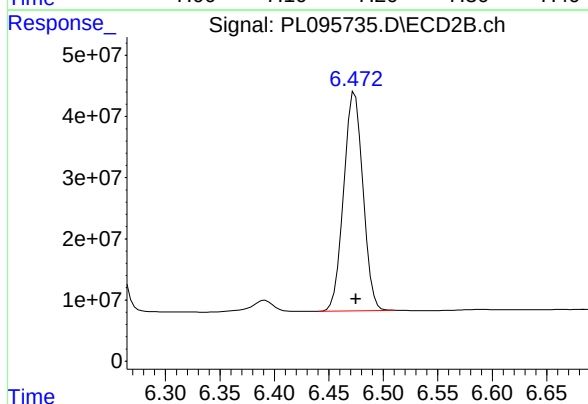
R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 335299519
Conc: 98.10 ng/ml



#19 Endosulfan Sulfate

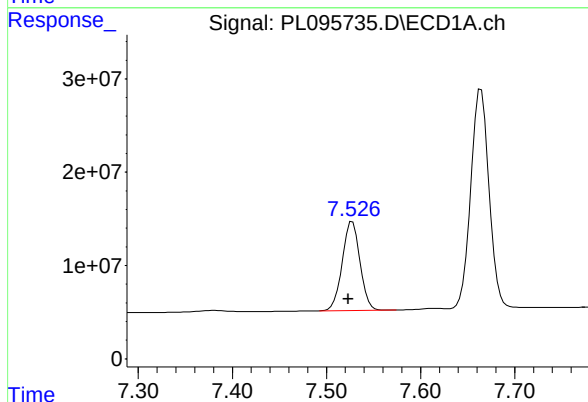
R.T.: 7.183 min
Delta R.T.: 0.005 min
Response: 292546886
Conc: 99.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



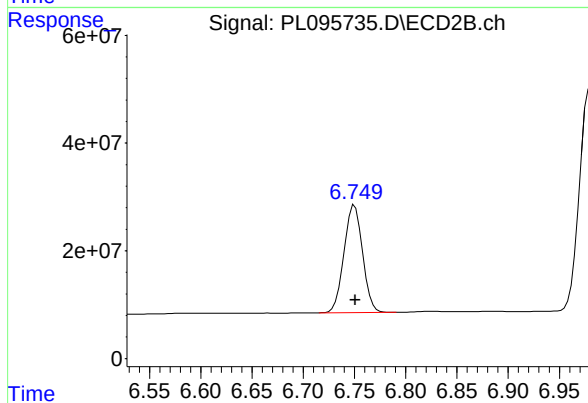
#19 Endosulfan Sulfate

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



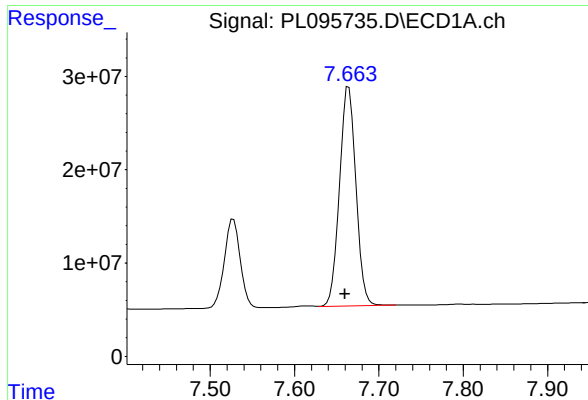
#20 Methoxychlor

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



#20 Methoxychlor

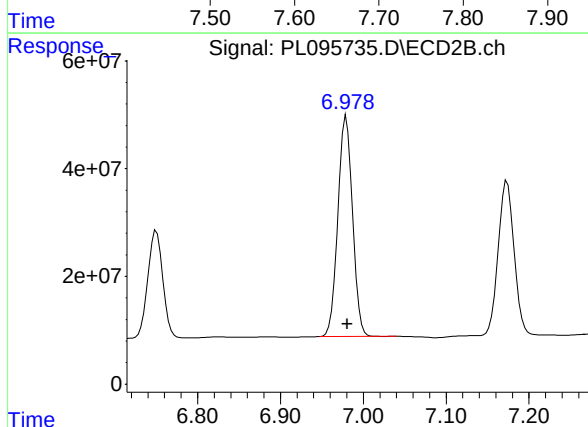
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 250363134
Conc: 96.57 ng/ml



#21 Endrin ketone

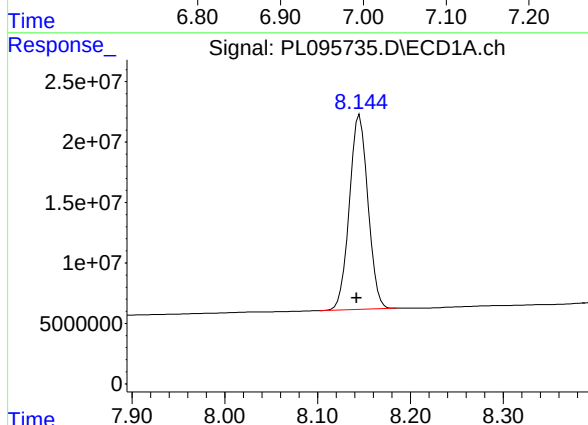
R.T.: 7.664 min
Delta R.T.: 0.004 min
Response: 317929336
Conc: 101.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



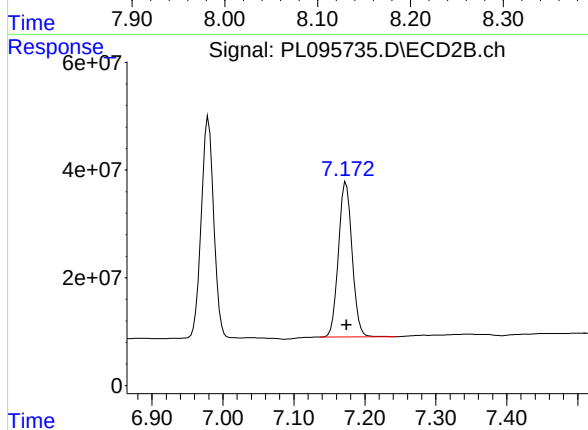
#21 Endrin ketone

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



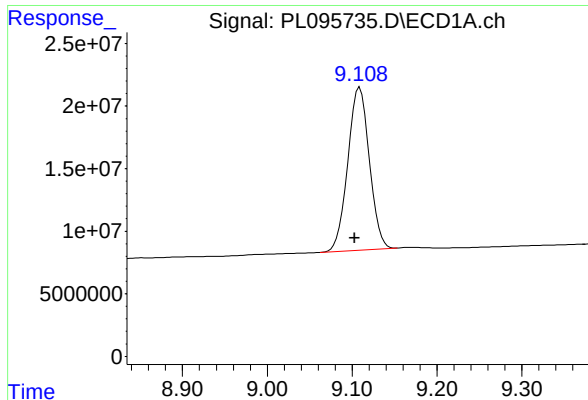
#22 Mirex

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

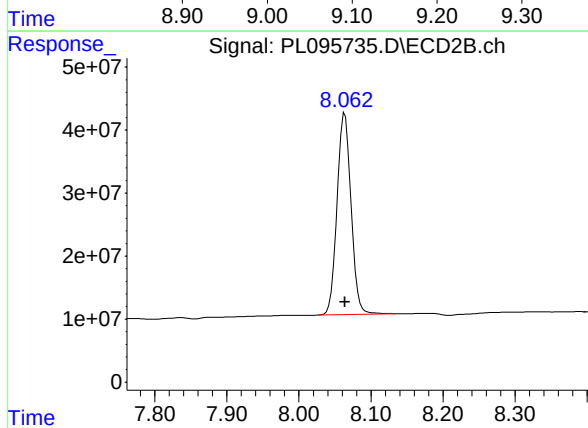
Conc: 99.66 ng/ml

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

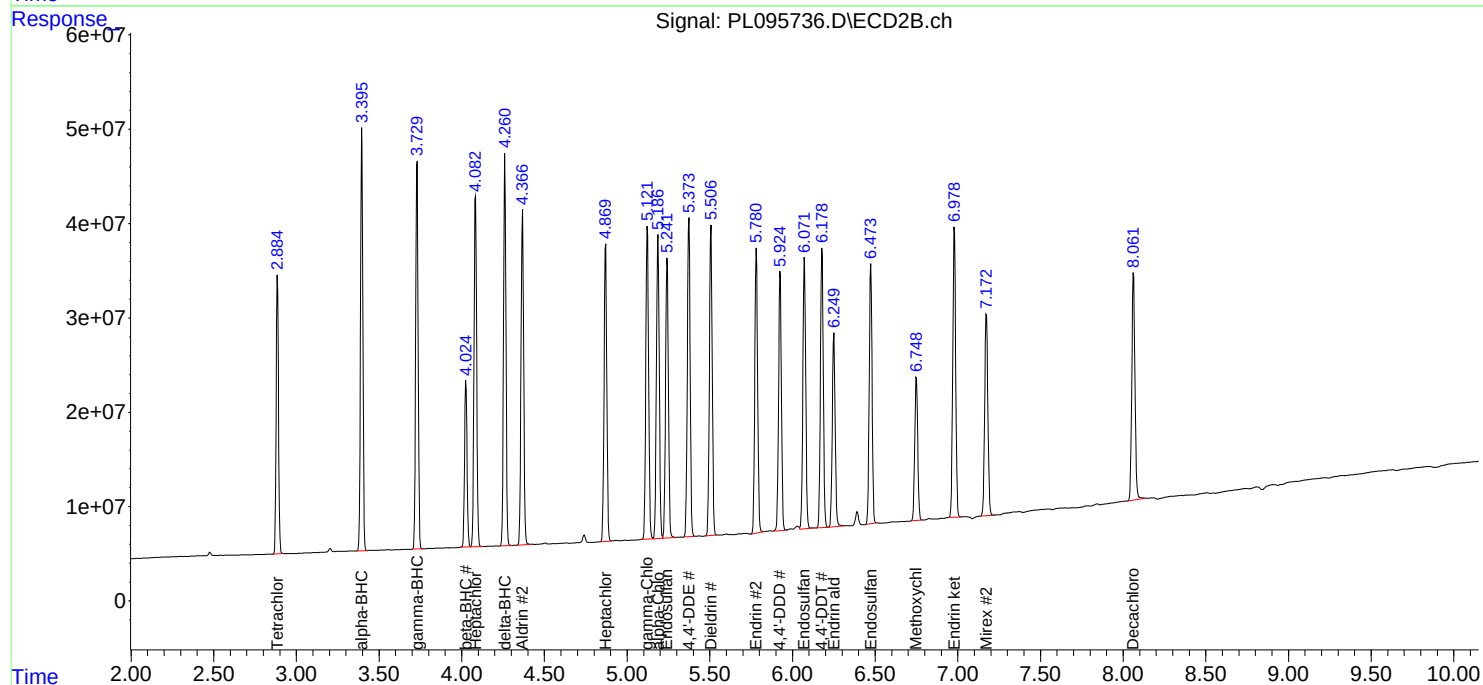
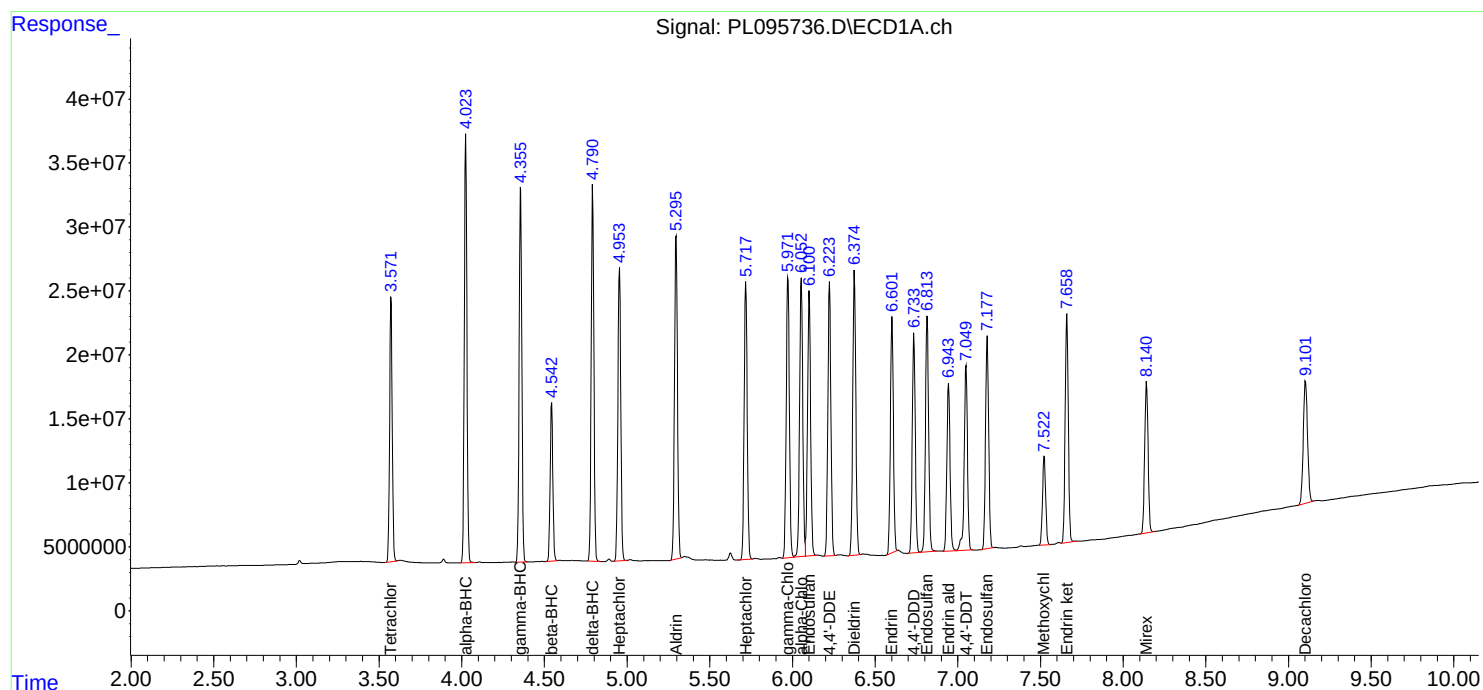
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

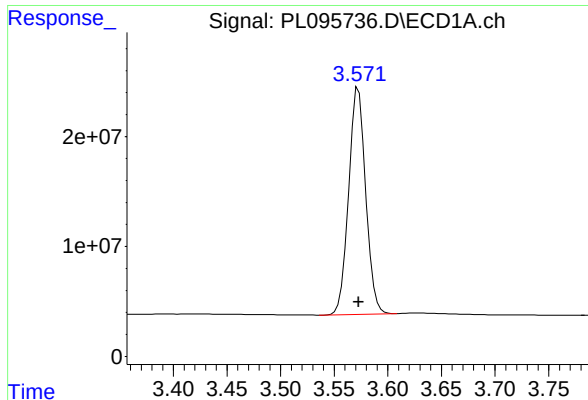
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095736.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 11:48
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

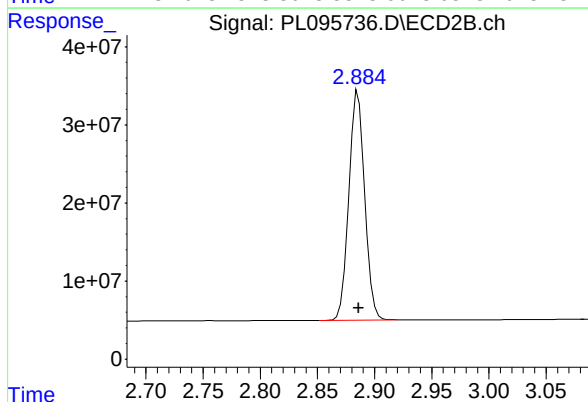




#1 Tetrachloro-m-xylene

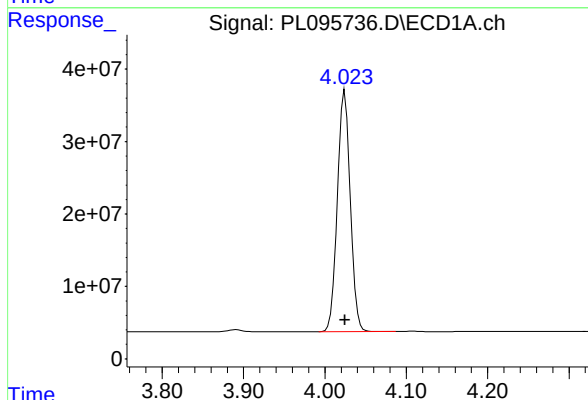
R.T.: 3.573 min
Delta R.T.: 0.000 min
Response: 228664275
Conc: 74.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



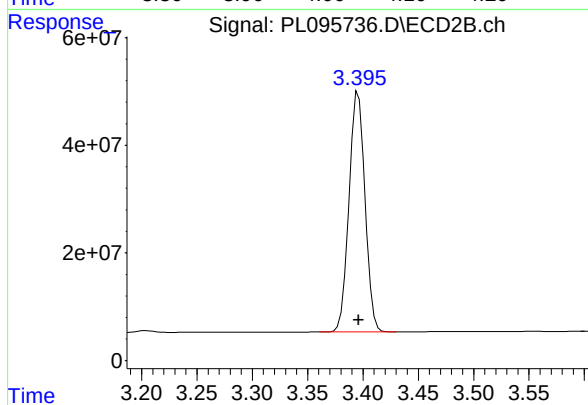
#1 Tetrachloro-m-xylene

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



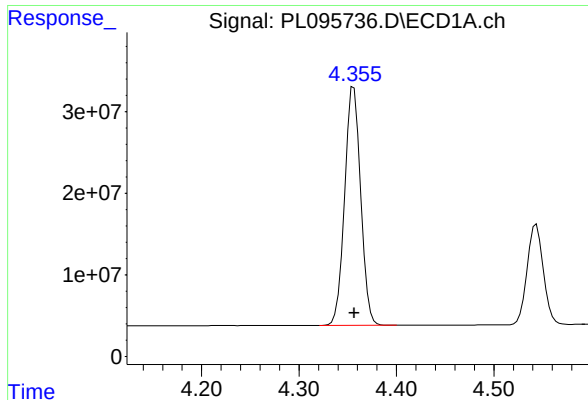
#2 alpha-BHC

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



#2 alpha-BHC

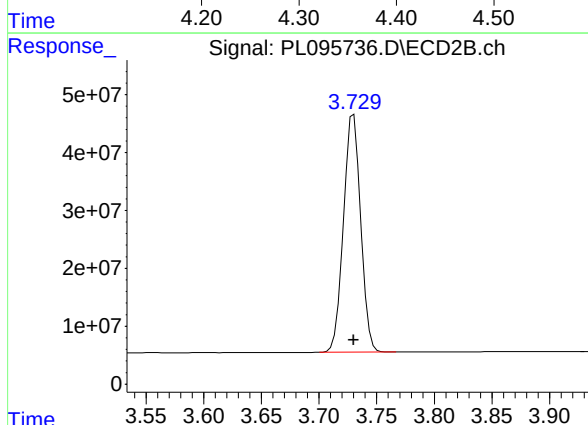
R.T.: 3.396 min
Delta R.T.: 0.000 min
Response: 448858157
Conc: 75.35 ng/ml



#3 gamma-BHC (Lindane)

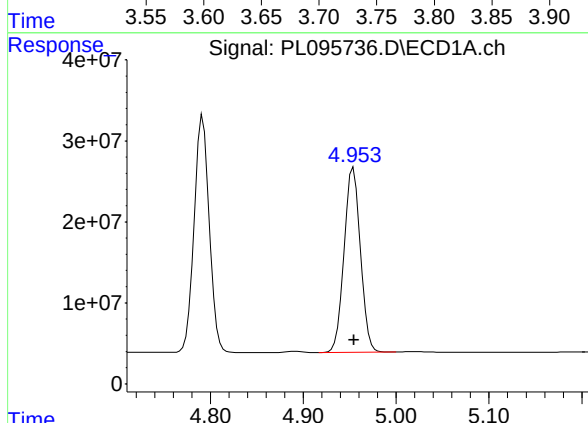
R.T.: 4.356 min
Delta R.T.: 0.000 min
Response: 333552348
Conc: 75.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



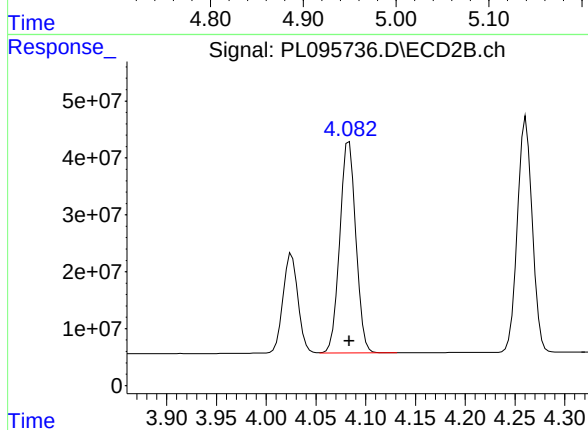
#3 gamma-BHC (Lindane)

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



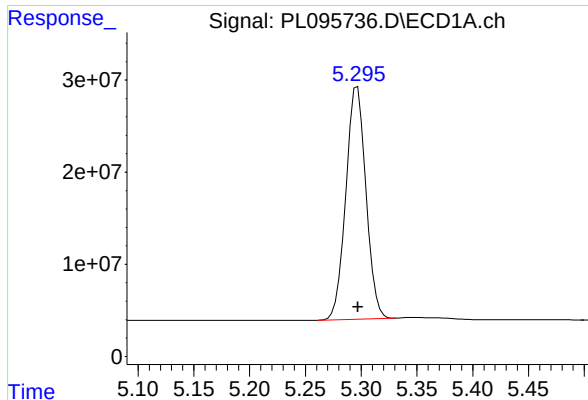
#4 Heptachlor

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



#4 Heptachlor

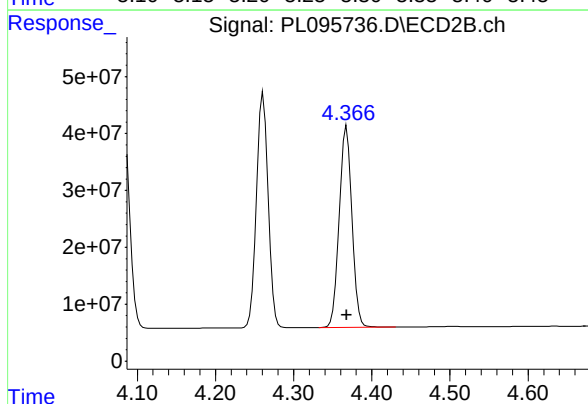
R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 417656146
Conc: 74.42 ng/ml



#5 Aldrin

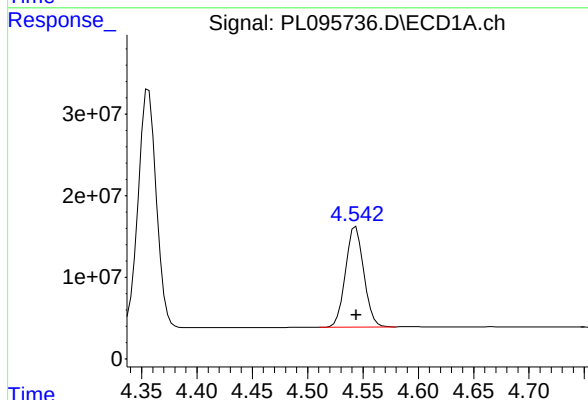
R.T.: 5.297 min
Delta R.T.: 0.000 min
Response: 315856140
Conc: 75.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



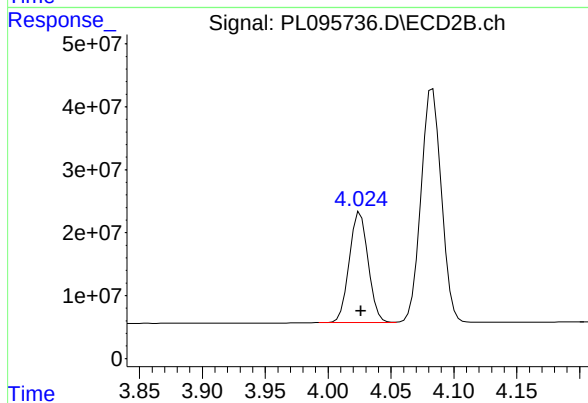
#5 Aldrin

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



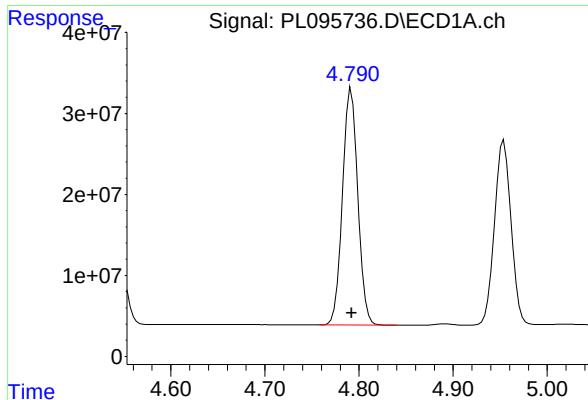
#6 beta-BHC

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



#6 beta-BHC

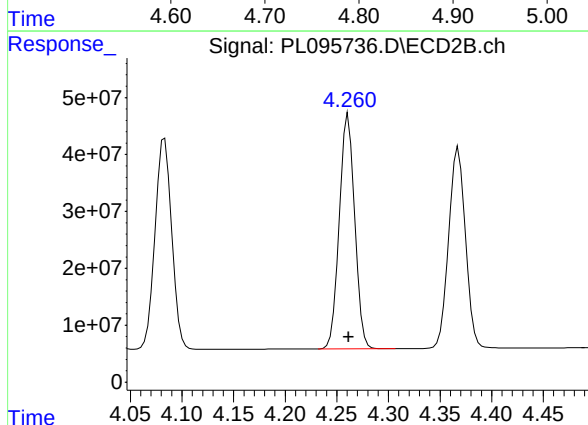
R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 182334287
Conc: 73.78 ng/ml



#7 delta-BHC

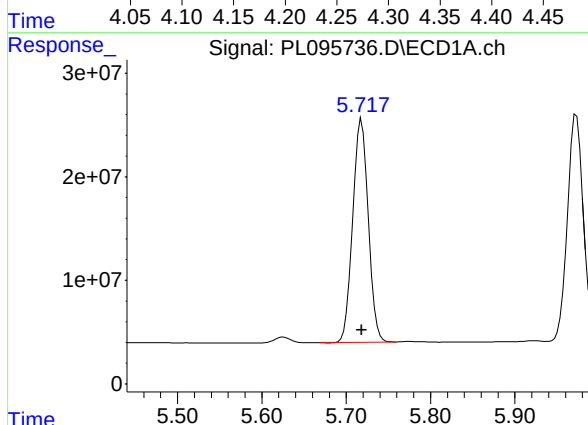
R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 331386383
Conc: 75.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



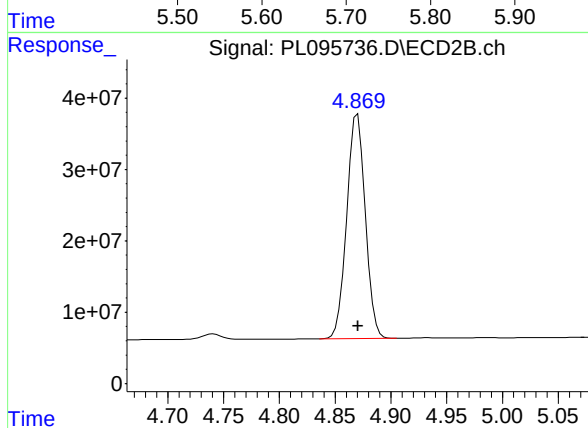
#7 delta-BHC

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



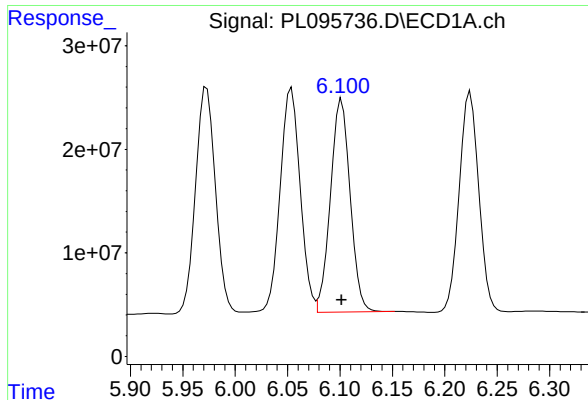
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

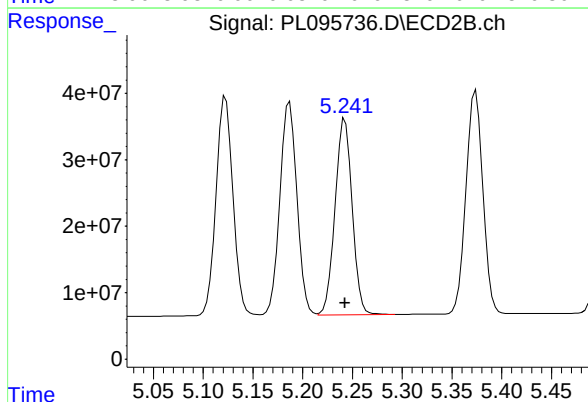
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 363639711
Conc: 73.55 ng/ml



#9 Endosulfan I

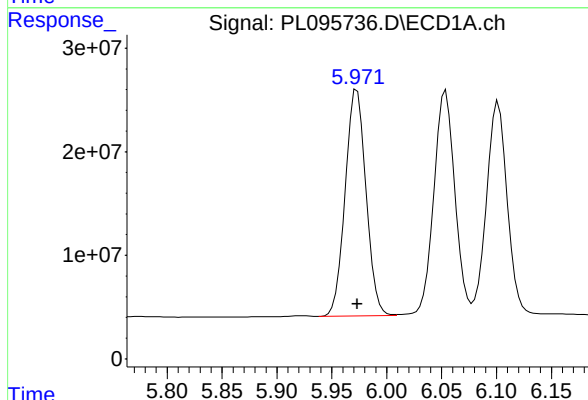
R.T.: 6.102 min
Delta R.T.: 0.000 min
Response: 267879960
Conc: 74.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



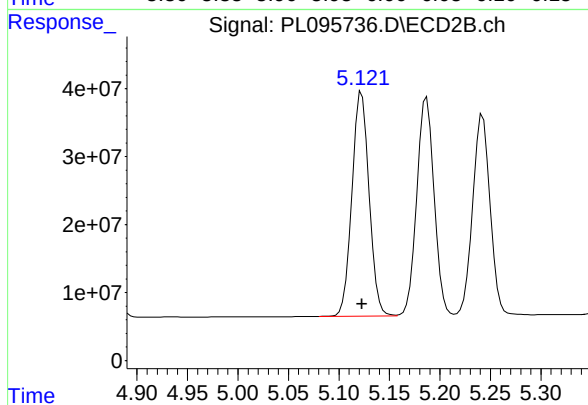
#9 Endosulfan I

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



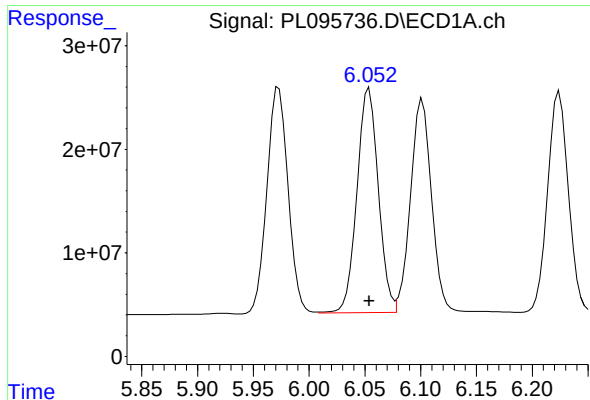
#10 gamma-Chlordane

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



#10 gamma-Chlordane

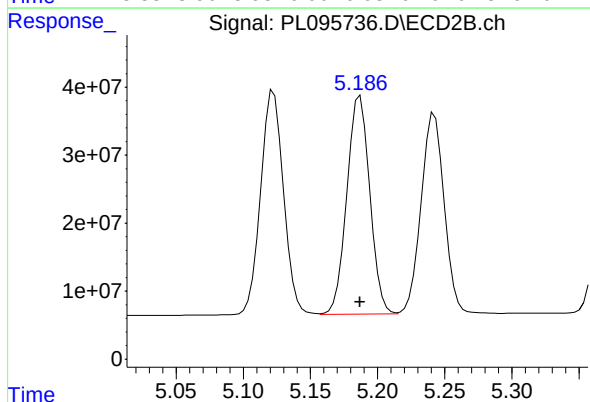
R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 390191290
Conc: 74.57 ng/ml



#11 alpha-Chlordane

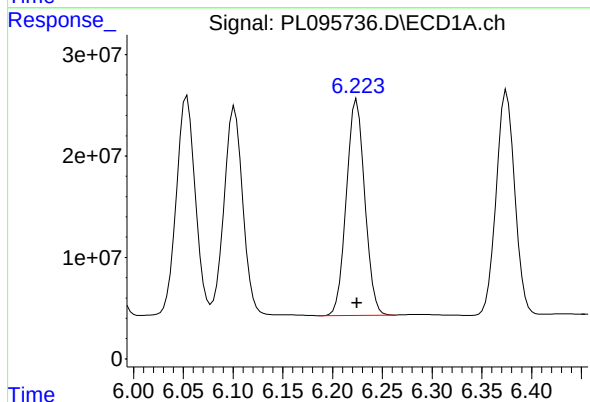
R.T.: 6.054 min
Delta R.T.: 0.000 min
Response: 289285154
Conc: 74.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



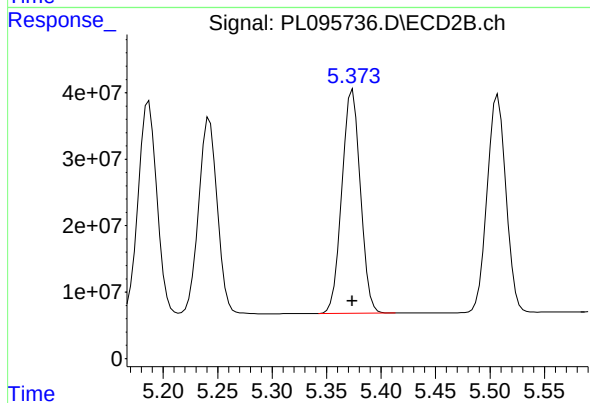
#11 alpha-Chlordane

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



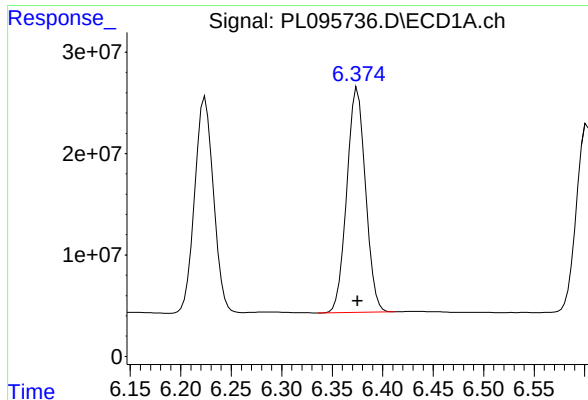
#12 4,4'-DDE

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



#12 4,4'-DDE

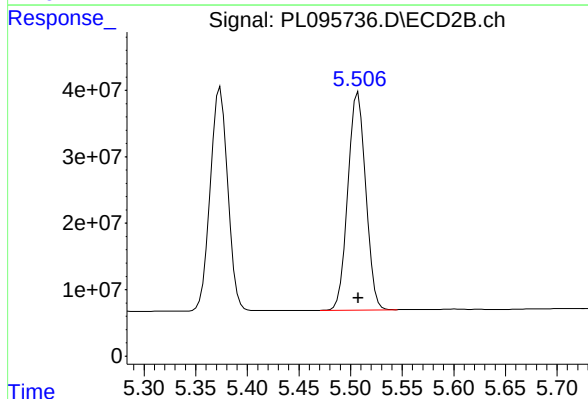
R.T.: 5.374 min
Delta R.T.: 0.000 min
Response: 396496659
Conc: 74.21 ng/ml



#13 Dieldrin

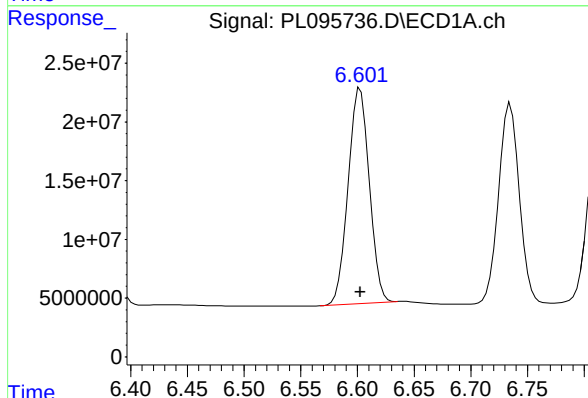
R.T.: 6.375 min
Delta R.T.: 0.000 min
Response: 285974632
Conc: 74.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



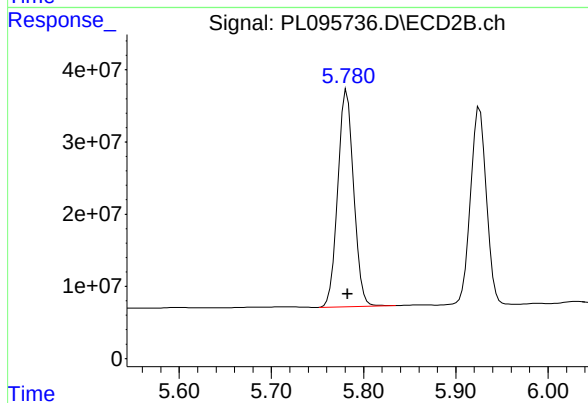
#13 Dieldrin

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



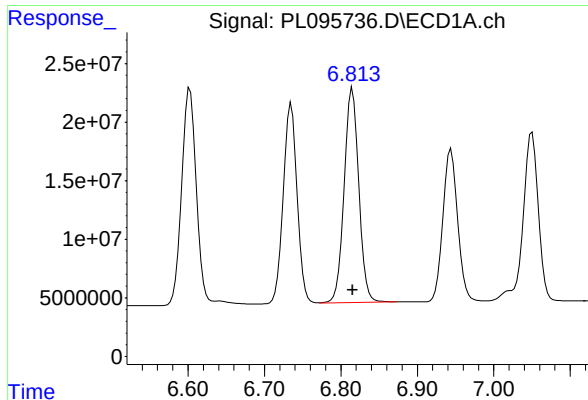
#14 Endrin

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



#14 Endrin

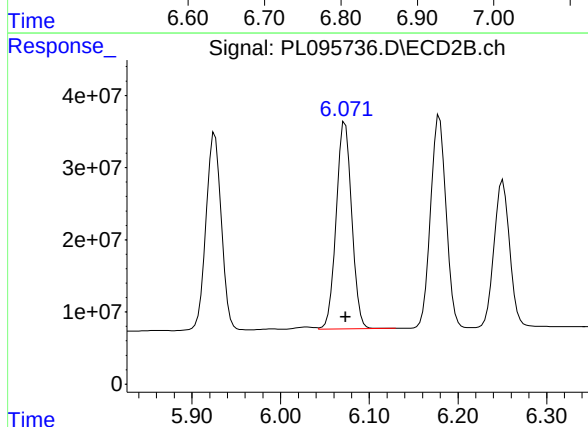
R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 358156236
Conc: 73.98 ng/ml



#15 Endosulfan II

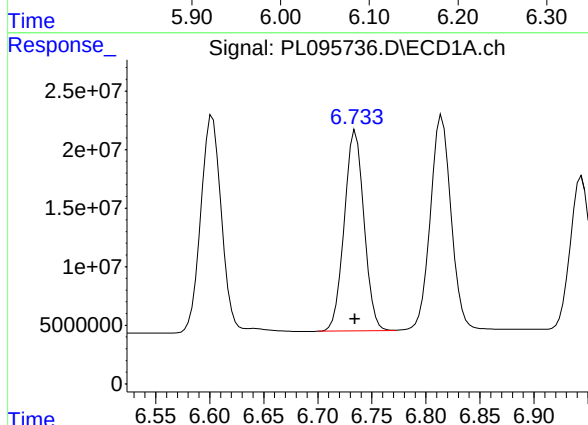
R.T.: 6.815 min
Delta R.T.: 0.000 min
Response: 244211959
Conc: 73.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



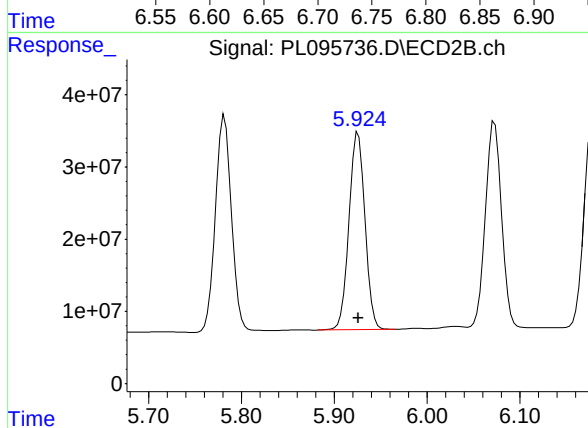
#15 Endosulfan II

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



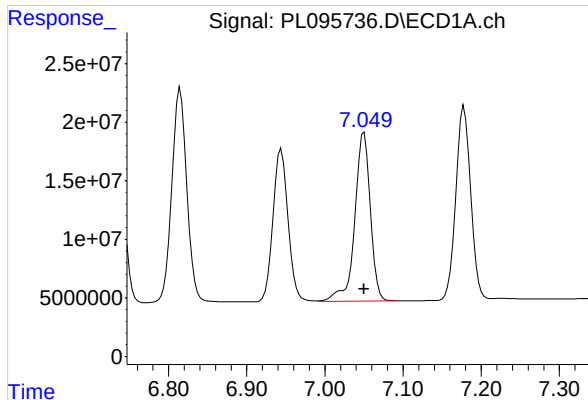
#16 4,4'-DDD

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



#16 4,4'-DDD

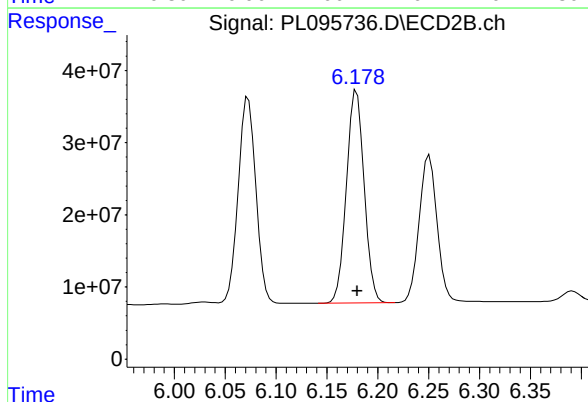
R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 327516287
Conc: 74.36 ng/ml



#17 4,4'-DDT

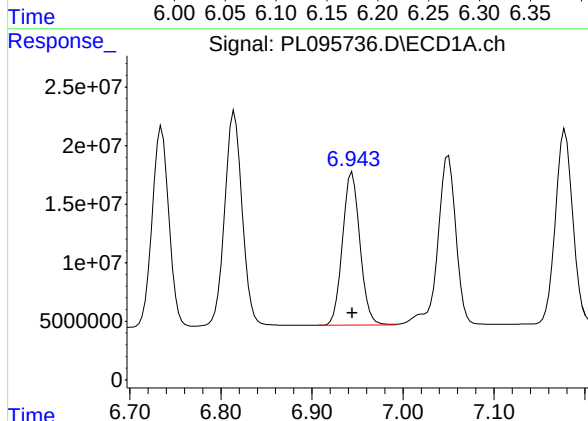
R.T.: 7.050 min
Delta R.T.: 0.000 min
Response: 199076628
Conc: 75.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



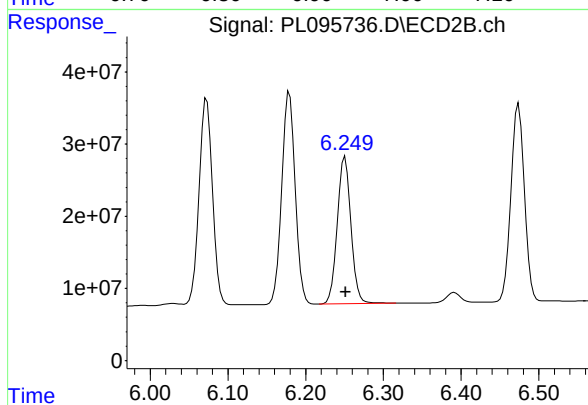
#17 4,4'-DDT

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



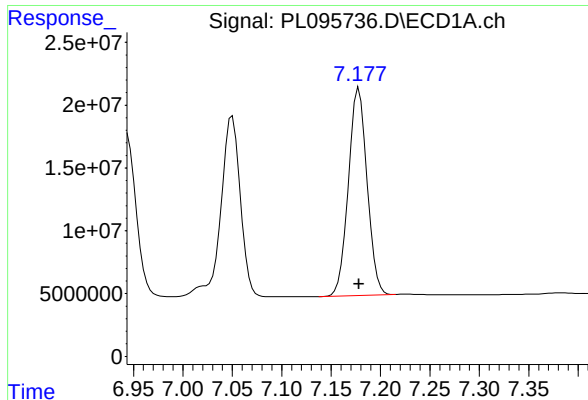
#18 Endrin aldehyde

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



#18 Endrin aldehyde

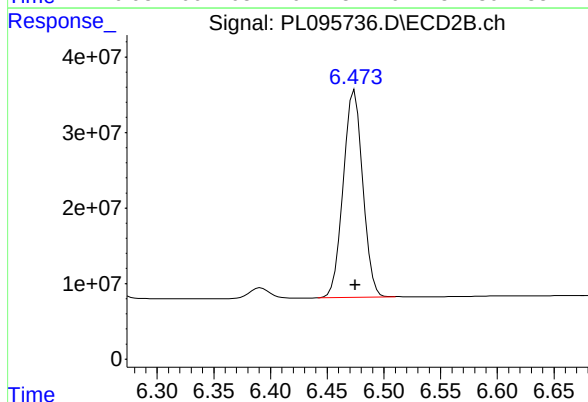
R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 250698612
Conc: 73.34 ng/ml



#19 Endosulfan Sulfate

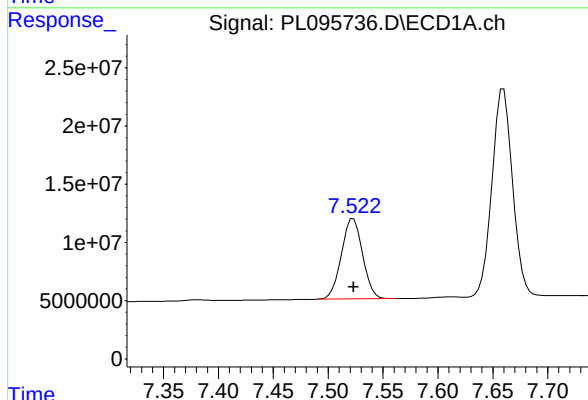
R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 217196090
Conc: 74.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



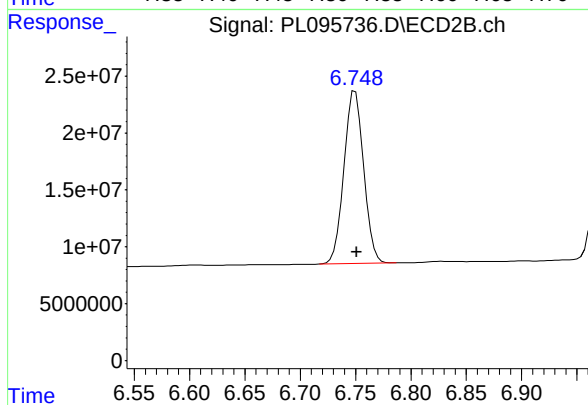
#19 Endosulfan Sulfate

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



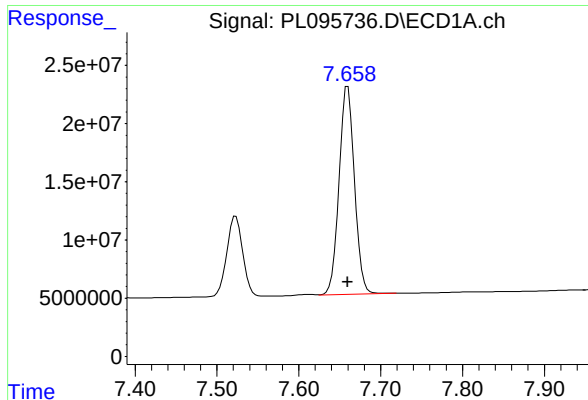
#20 Methoxychlor

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



#20 Methoxychlor

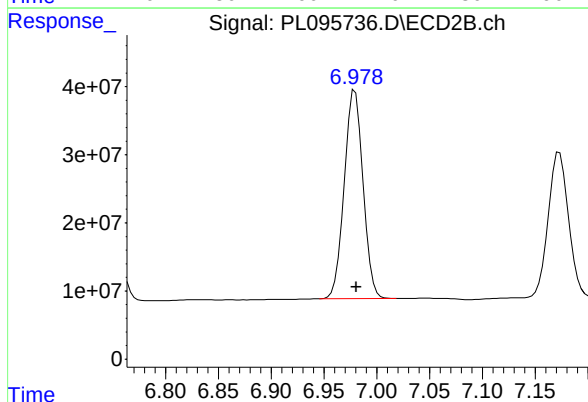
R.T.: 6.750 min
Delta R.T.: -0.001 min
Response: 188530271
Conc: 72.72 ng/ml



#21 Endrin ketone

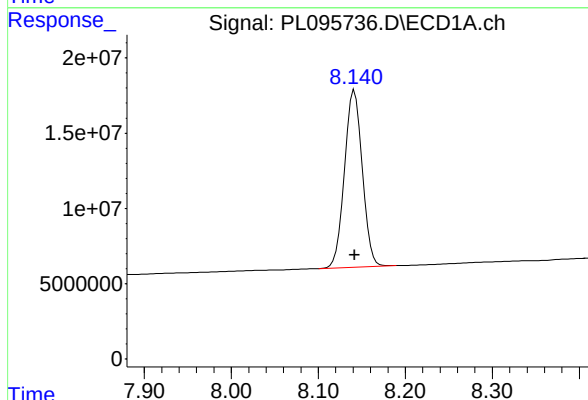
R.T.: 7.660 min
Delta R.T.: 0.000 min
Response: 234107989
Conc: 74.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



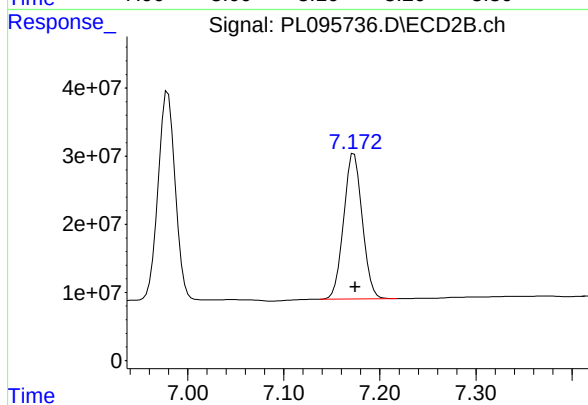
#21 Endrin ketone

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



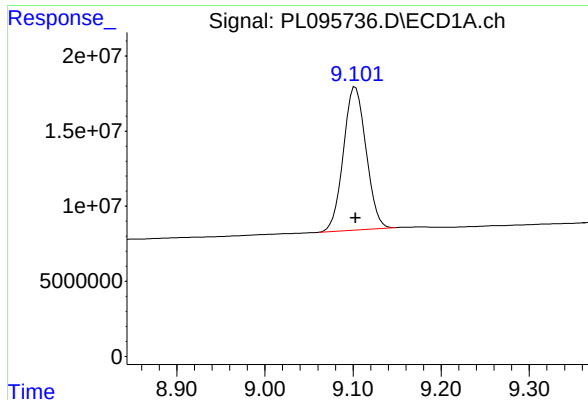
#22 Mirex

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

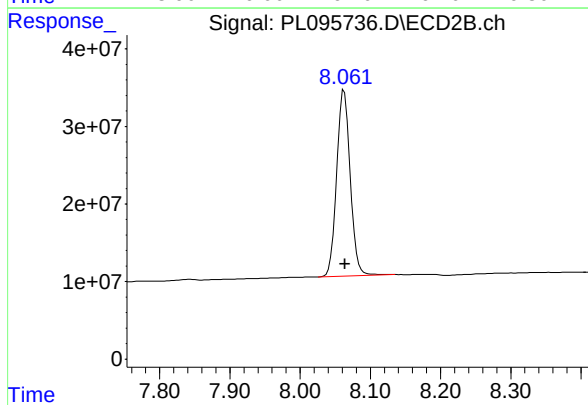
Conc: 73.98 ng/ml

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

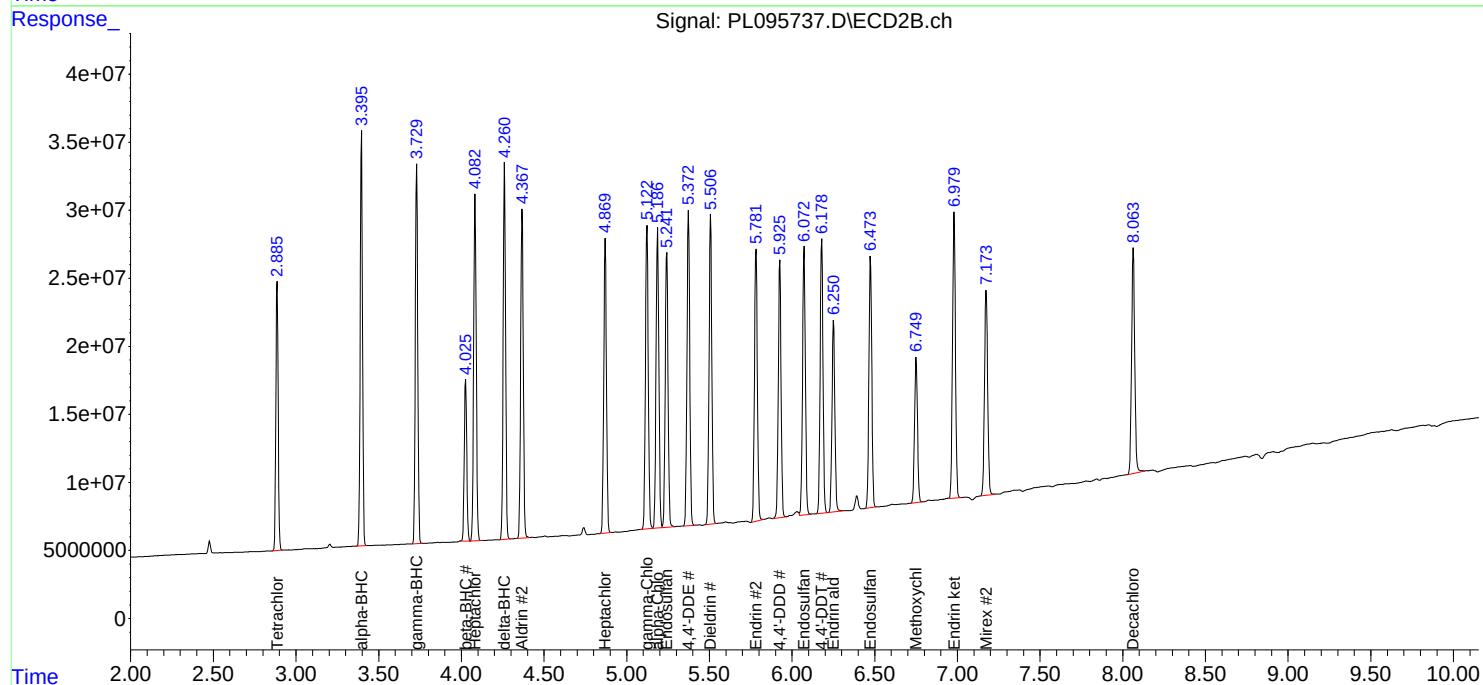
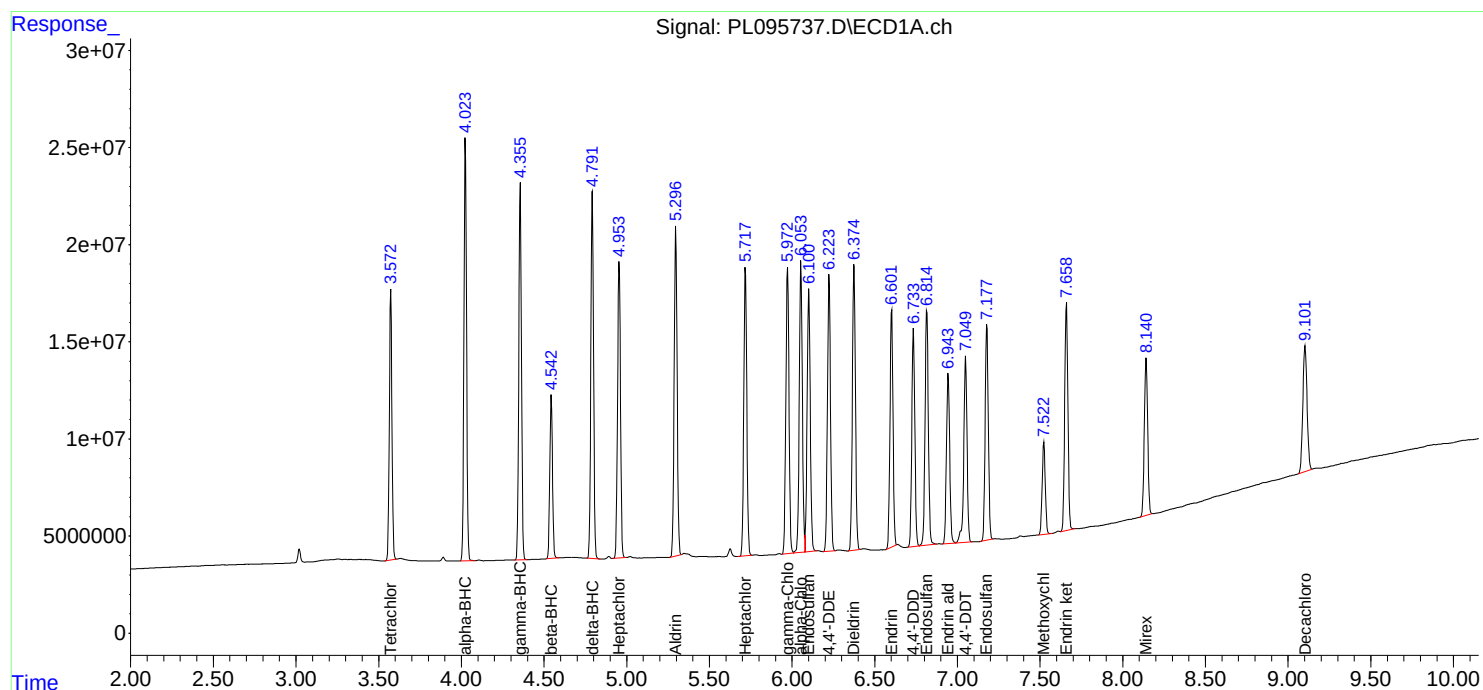
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

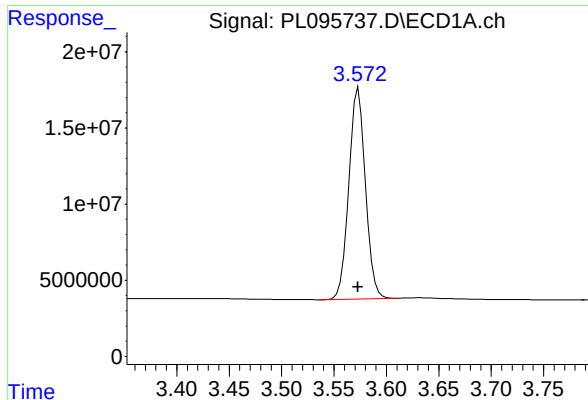
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095737.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 12:02
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

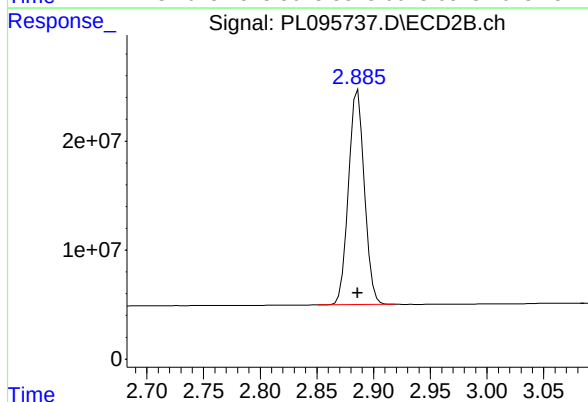




#1 Tetrachloro-m-xylene

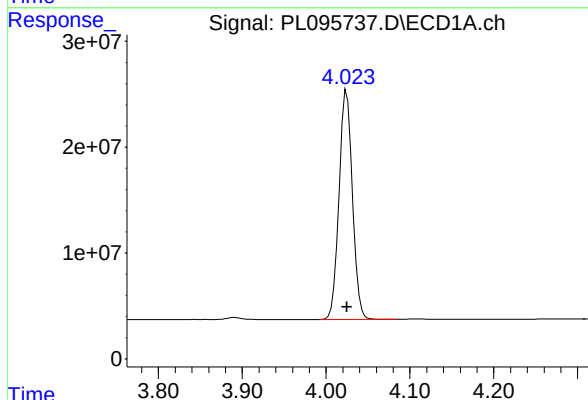
R.T.: 3.573 min
Delta R.T.: 0.000 min
Response: 153291163
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



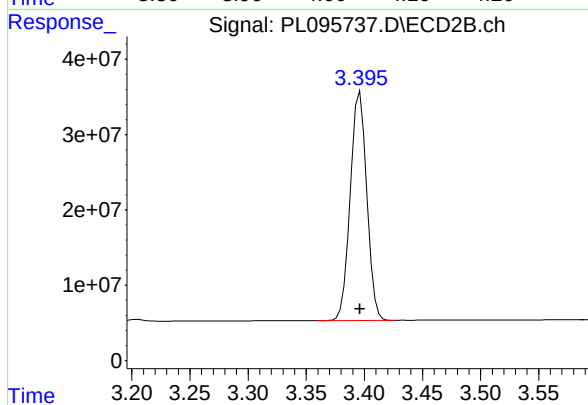
#1 Tetrachloro-m-xylene

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



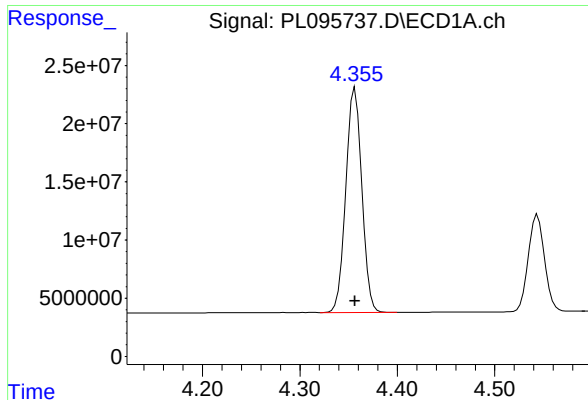
#2 alpha-BHC

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



#2 alpha-BHC

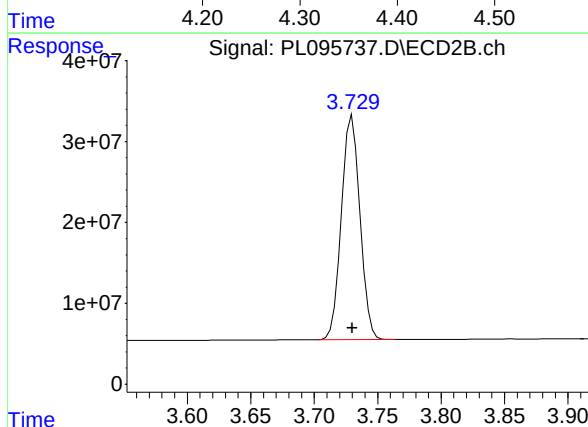
R.T.: 3.396 min
Delta R.T.: 0.000 min
Response: 297834363
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

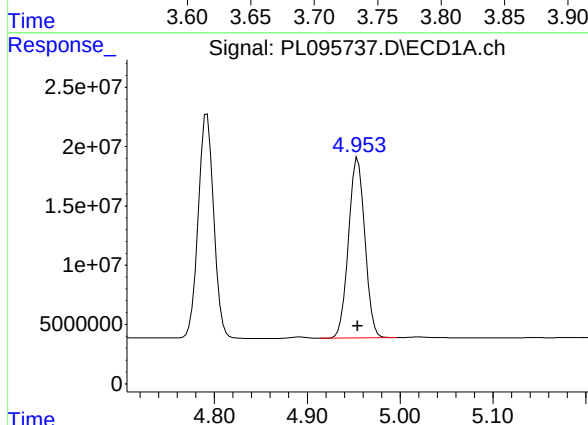
R.T.: 4.357 min
Delta R.T.: 0.000 min
Response: 220038465
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



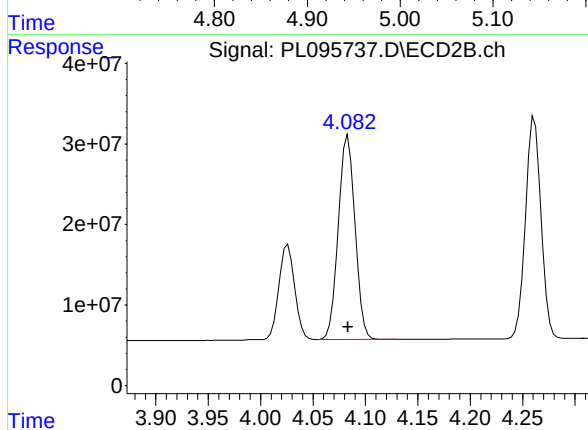
#3 gamma-BHC (Lindane)

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



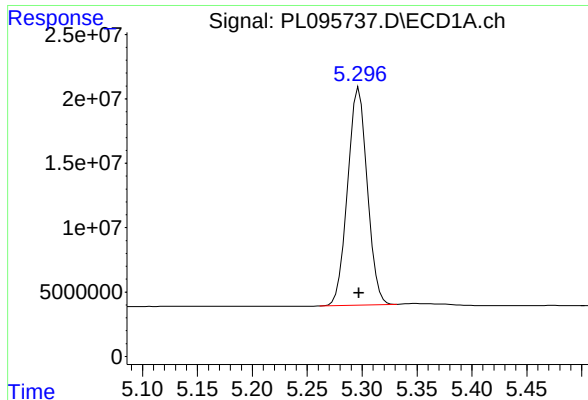
#4 Heptachlor

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



#4 Heptachlor

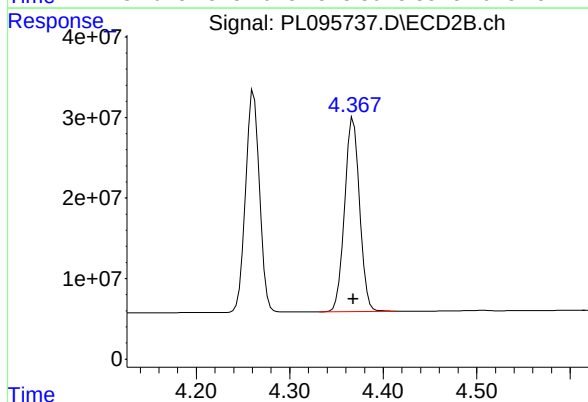
R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 280589099
Conc: 50.00 ng/ml



#5 Aldrin

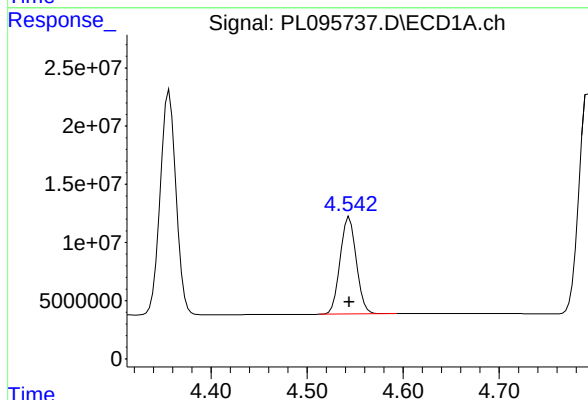
R.T.: 5.297 min
Delta R.T.: 0.000 min
Response: 210558537
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



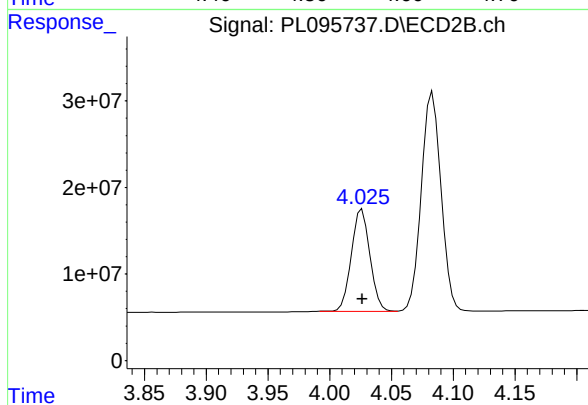
#5 Aldrin

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



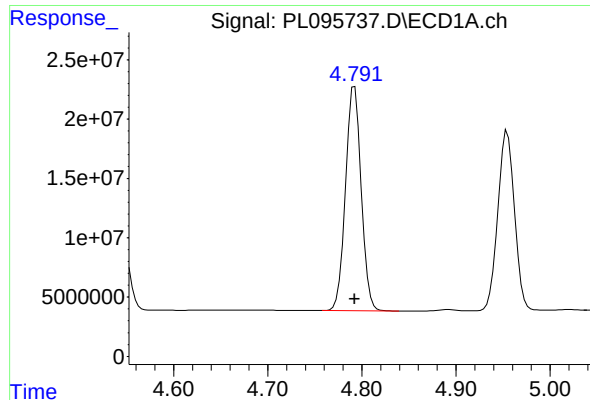
#6 beta-BHC

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



#6 beta-BHC

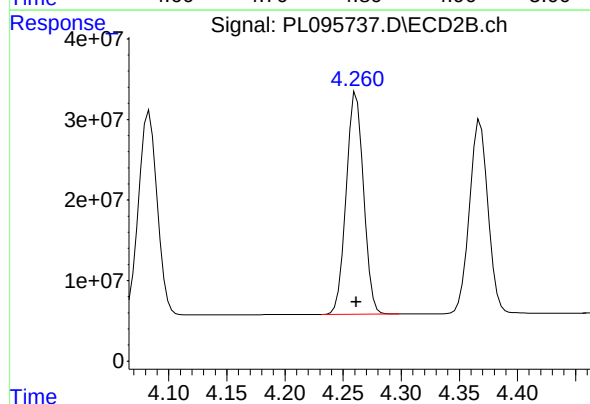
R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 123564721
Conc: 50.00 ng/ml



#7 delta-BHC

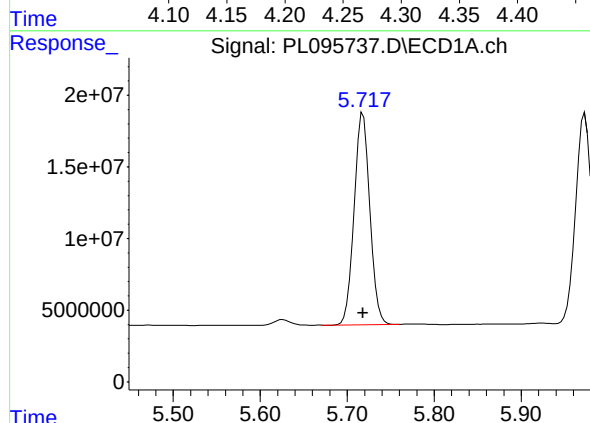
R.T.: 4.792 min
Delta R.T.: 0.000 min
Response: 219198950
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



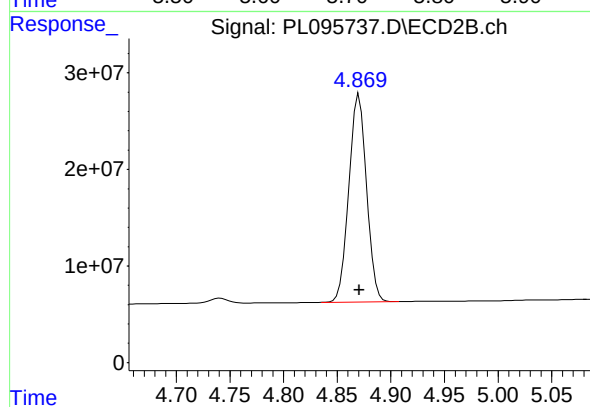
#7 delta-BHC

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



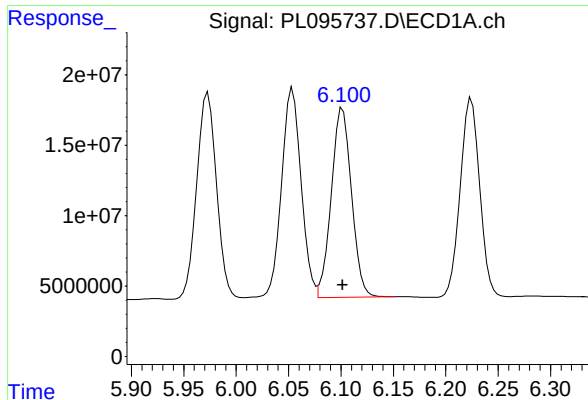
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

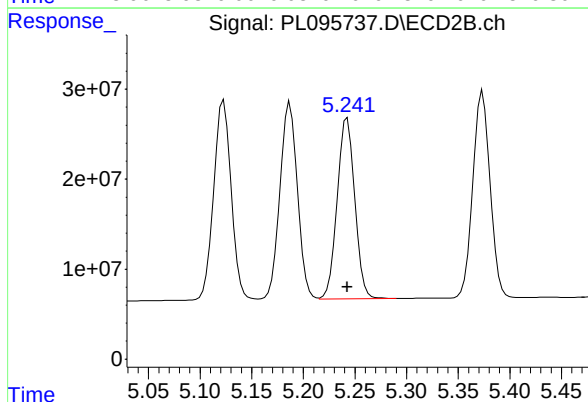
R.T.: 4.871 min
Delta R.T.: 0.000 min
Response: 247190529
Conc: 50.00 ng/ml



#9 Endosulfan I

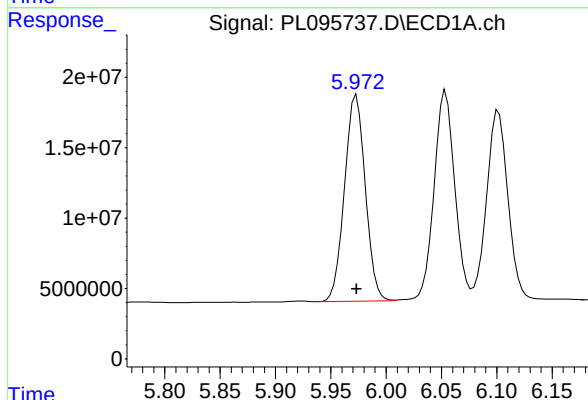
R.T.: 6.102 min
Delta R.T.: 0.000 min
Response: 179698543
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



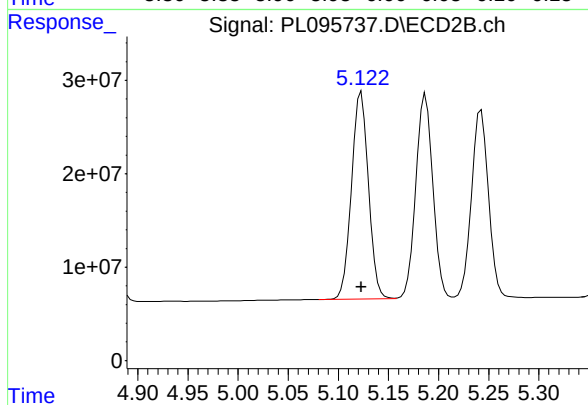
#9 Endosulfan I

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



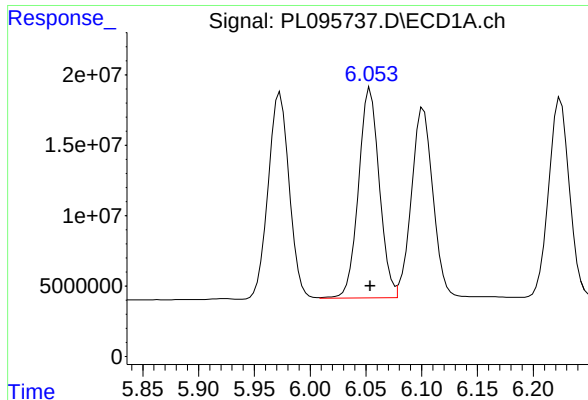
#10 gamma-Chlordane

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



#10 gamma-Chlordane

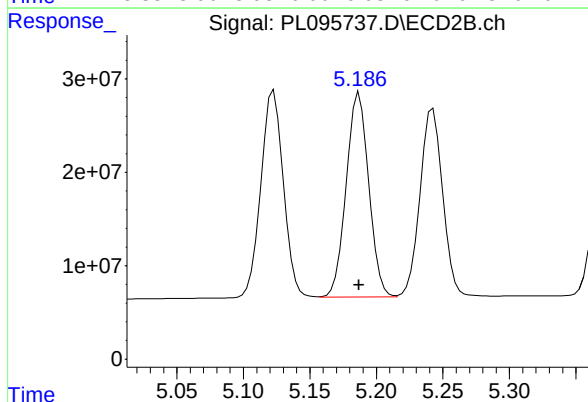
R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 261644179
Conc: 50.00 ng/ml



#11 alpha-Chlordane

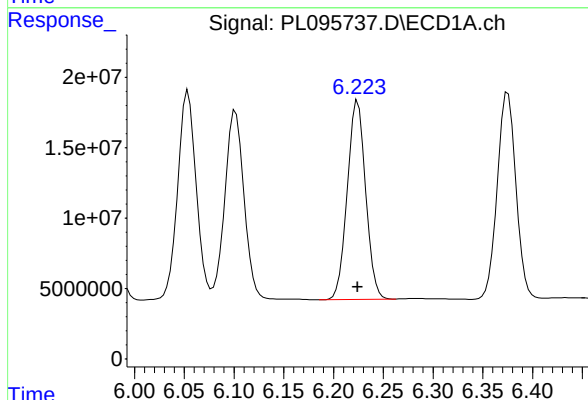
R.T.: 6.054 min
Delta R.T.: 0.000 min
Response: 193496576
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



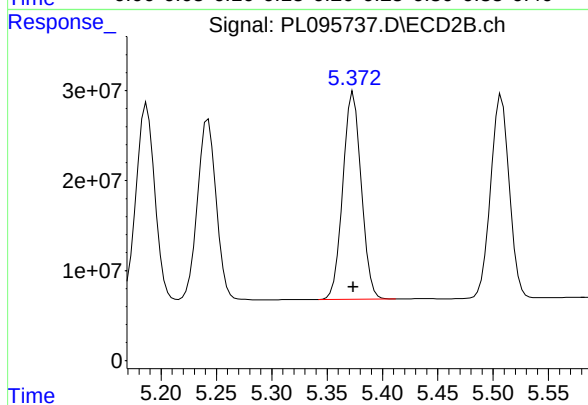
#11 alpha-Chlordane

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



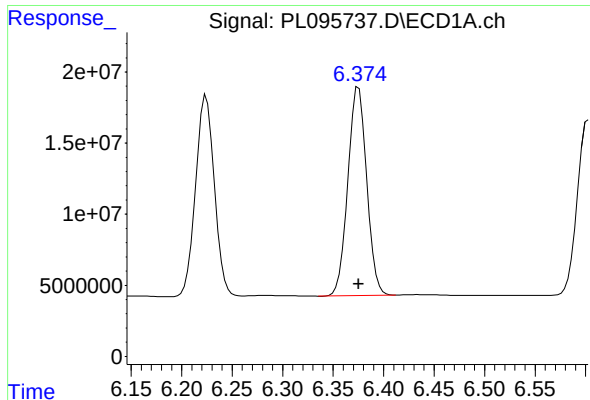
#12 4,4'-DDE

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



#12 4,4'-DDE

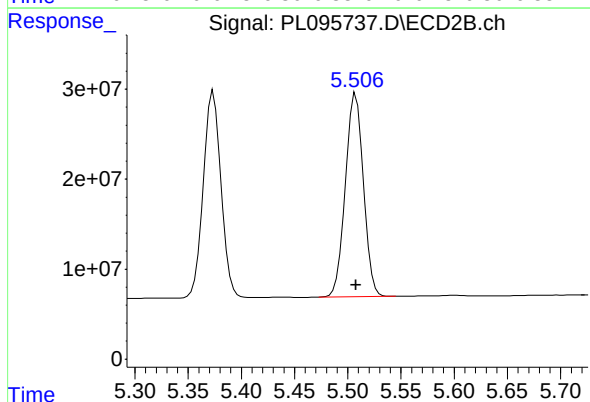
R.T.: 5.374 min
Delta R.T.: 0.000 min
Response: 267148181
Conc: 50.00 ng/ml



#13 Dieldrin

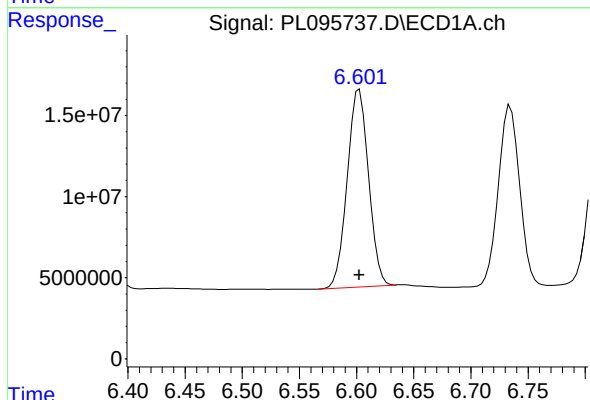
R.T.: 6.375 min
Delta R.T.: 0.000 min
Response: 190690949
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



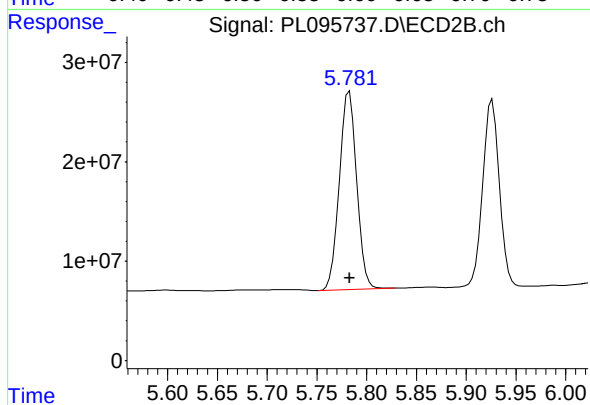
#13 Dieldrin

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



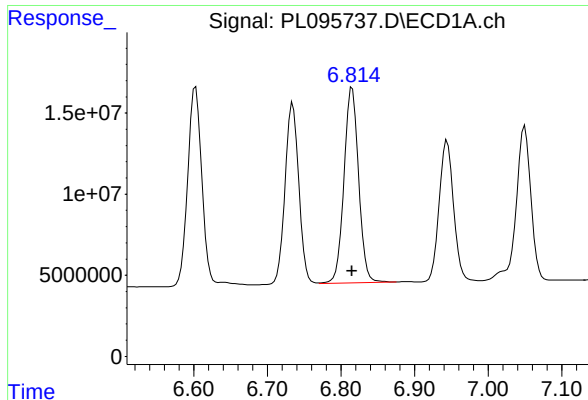
#14 Endrin

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



#14 Endrin

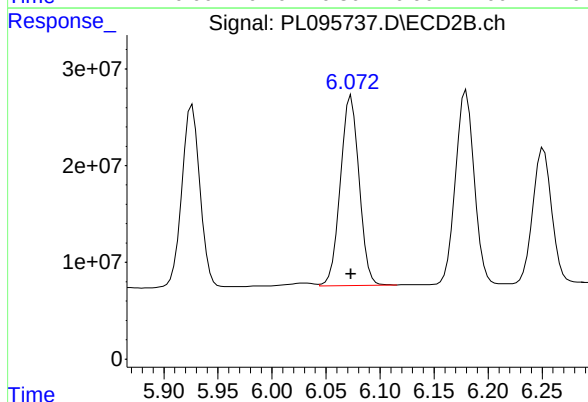
R.T.: 5.783 min
Delta R.T.: 0.000 min
Response: 242056180
Conc: 50.00 ng/ml



#15 Endosulfan II

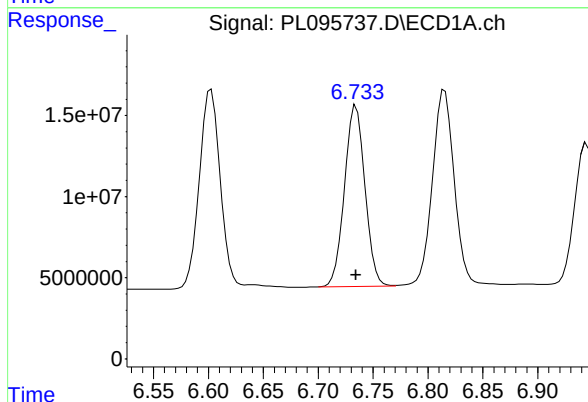
R.T.: 6.815 min
Delta R.T.: 0.000 min
Response: 166277261
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



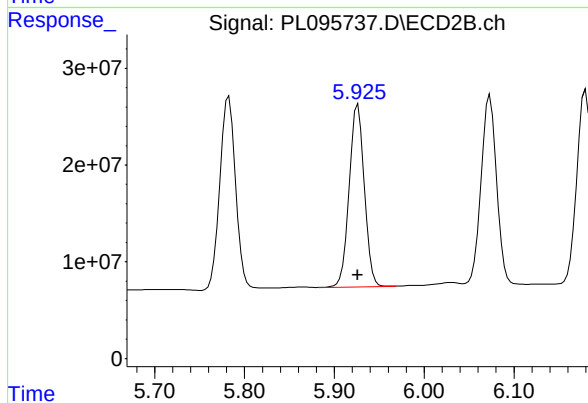
#15 Endosulfan II

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



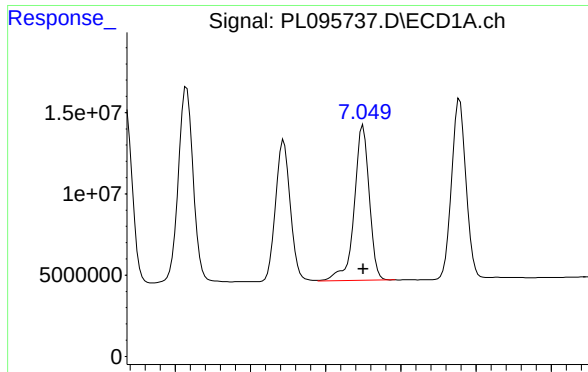
#16 4,4'-DDD

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



#16 4,4'-DDD

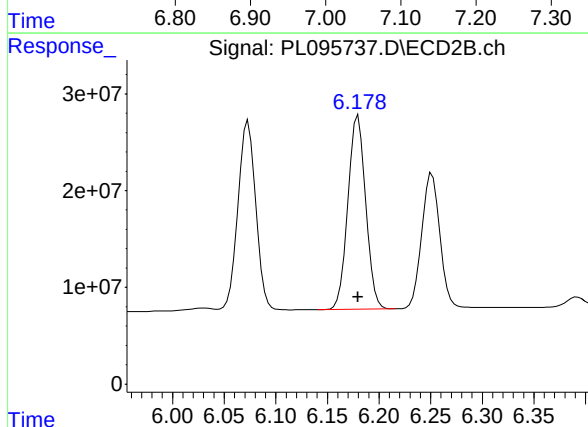
R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 220218849
Conc: 50.00 ng/ml



#17 4,4'-DDT

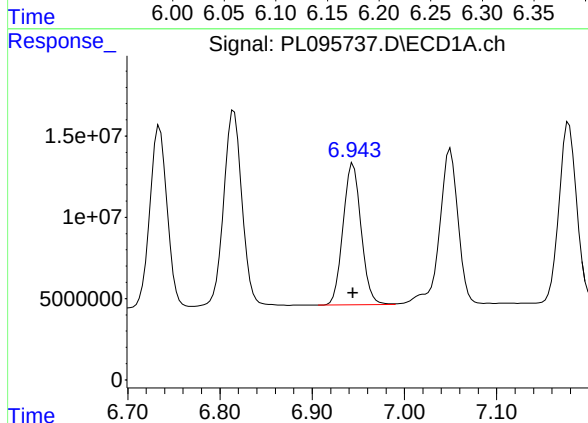
R.T.: 7.050 min
Delta R.T.: 0.000 min
Response: 132530344
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



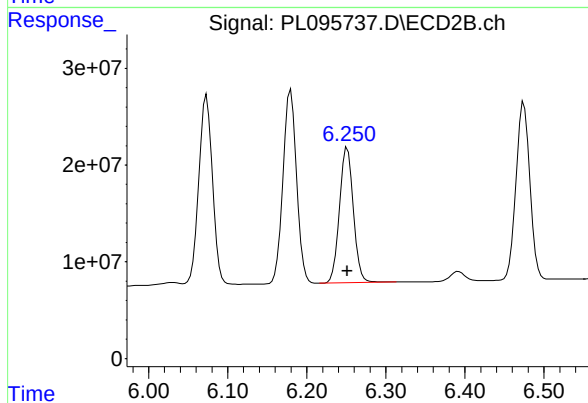
#17 4,4'-DDT

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



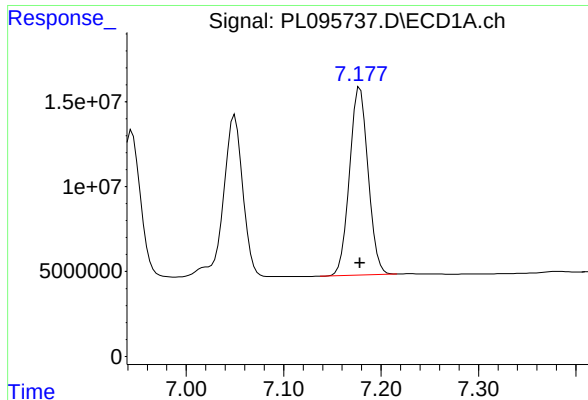
#18 Endrin aldehyde

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



#18 Endrin aldehyde

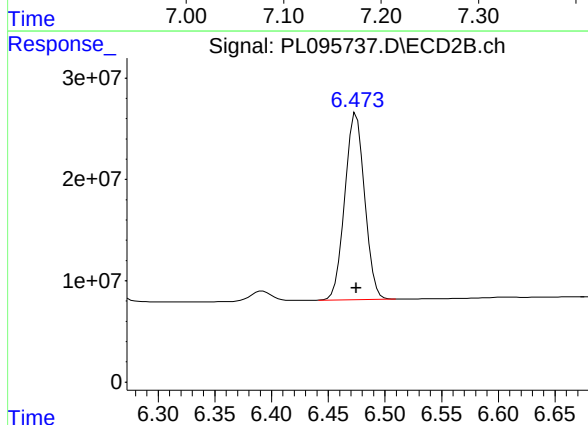
R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 170905177
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

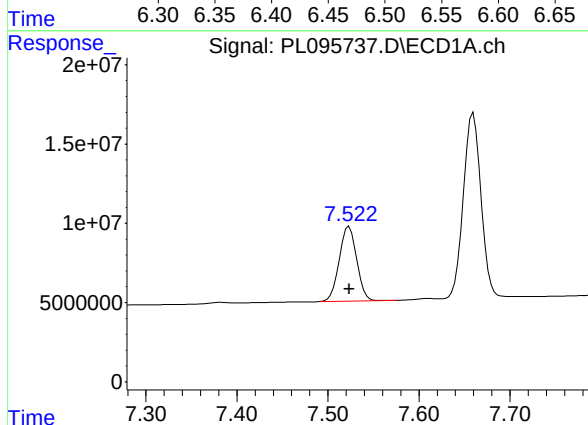
R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 146327614
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



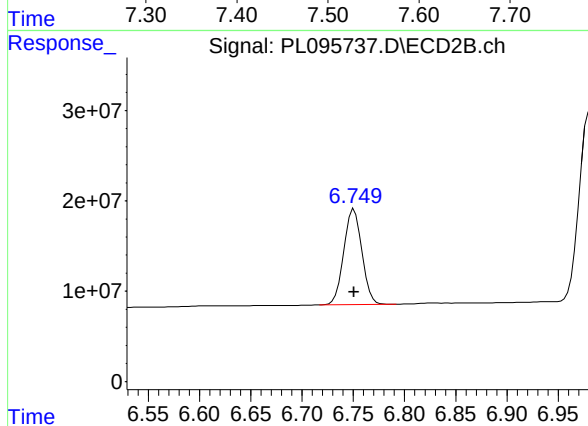
#19 Endosulfan Sulfate

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



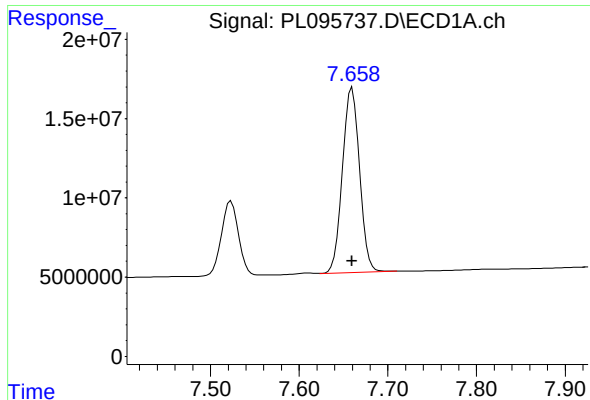
#20 Methoxychlor

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



#20 Methoxychlor

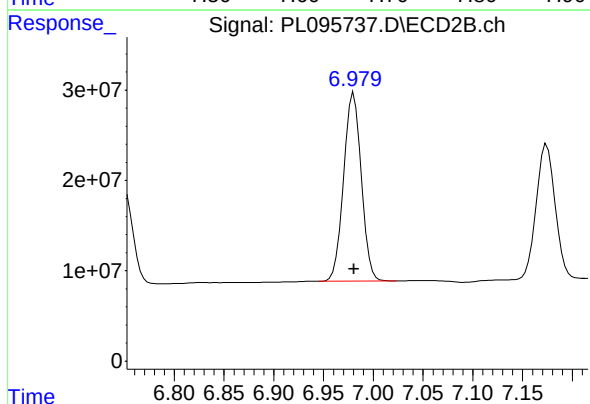
R.T.: 6.751 min
Delta R.T.: 0.000 min
Response: 129624467
Conc: 50.00 ng/ml



#21 Endrin ketone

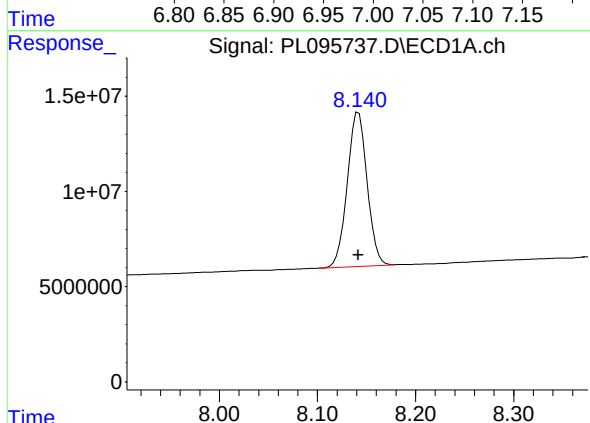
R.T.: 7.660 min
Delta R.T.: 0.000 min
Response: 156794752
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



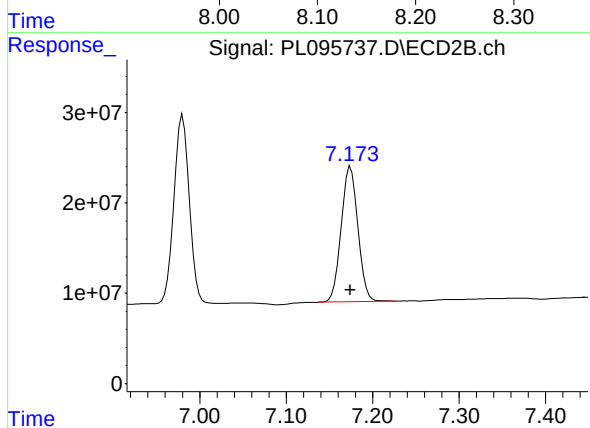
#21 Endrin ketone

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



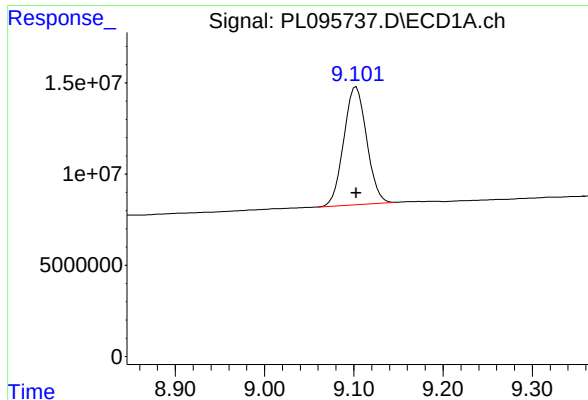
#22 Mirex

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



#22 Mirex

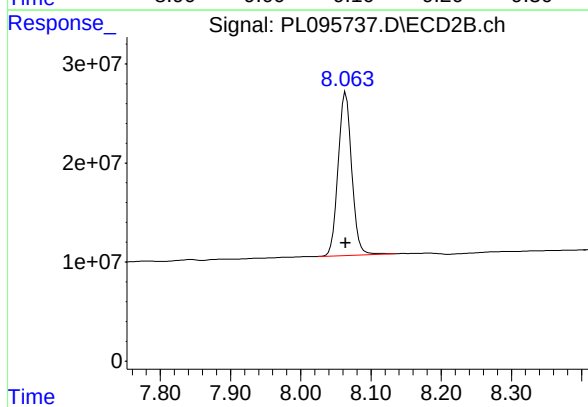
R.T.: 7.174 min
Delta R.T.: 0.000 min
Response: 199481332
Conc: 50.00 ng/ml



#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
2) 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

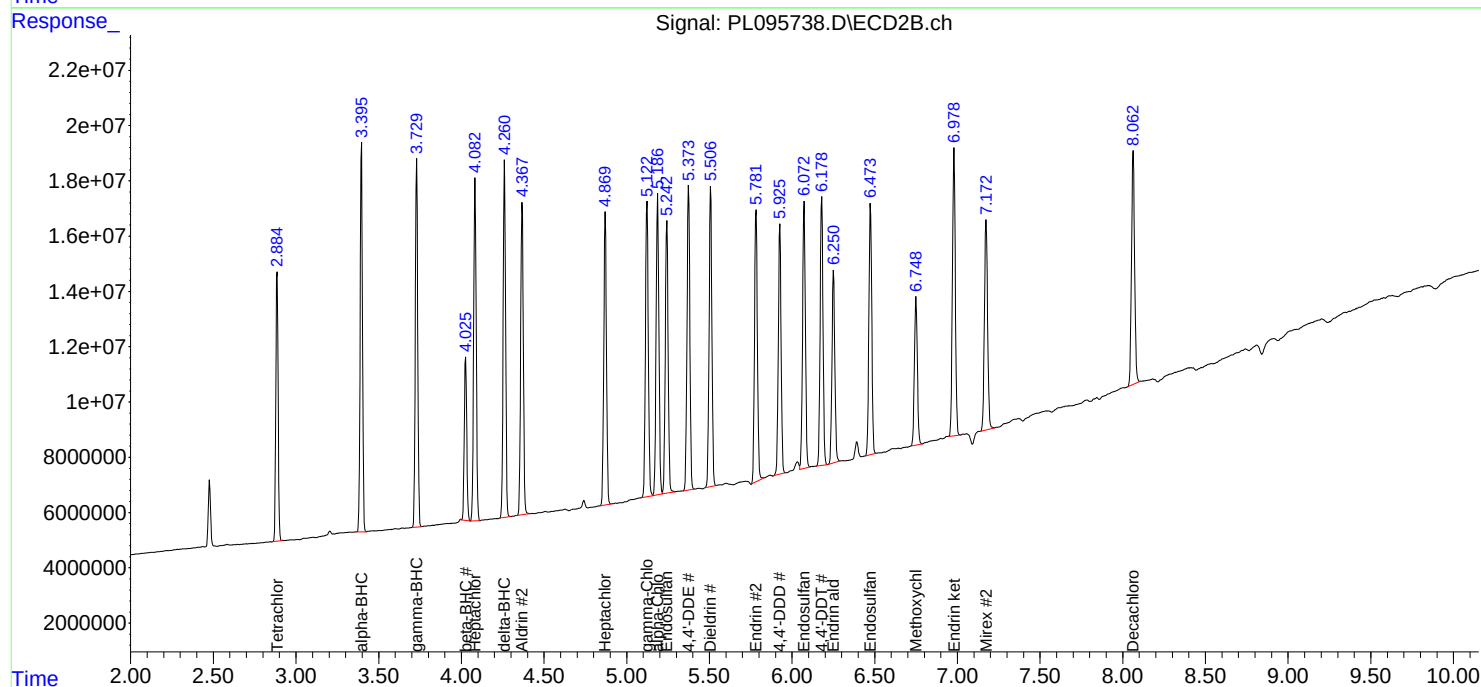
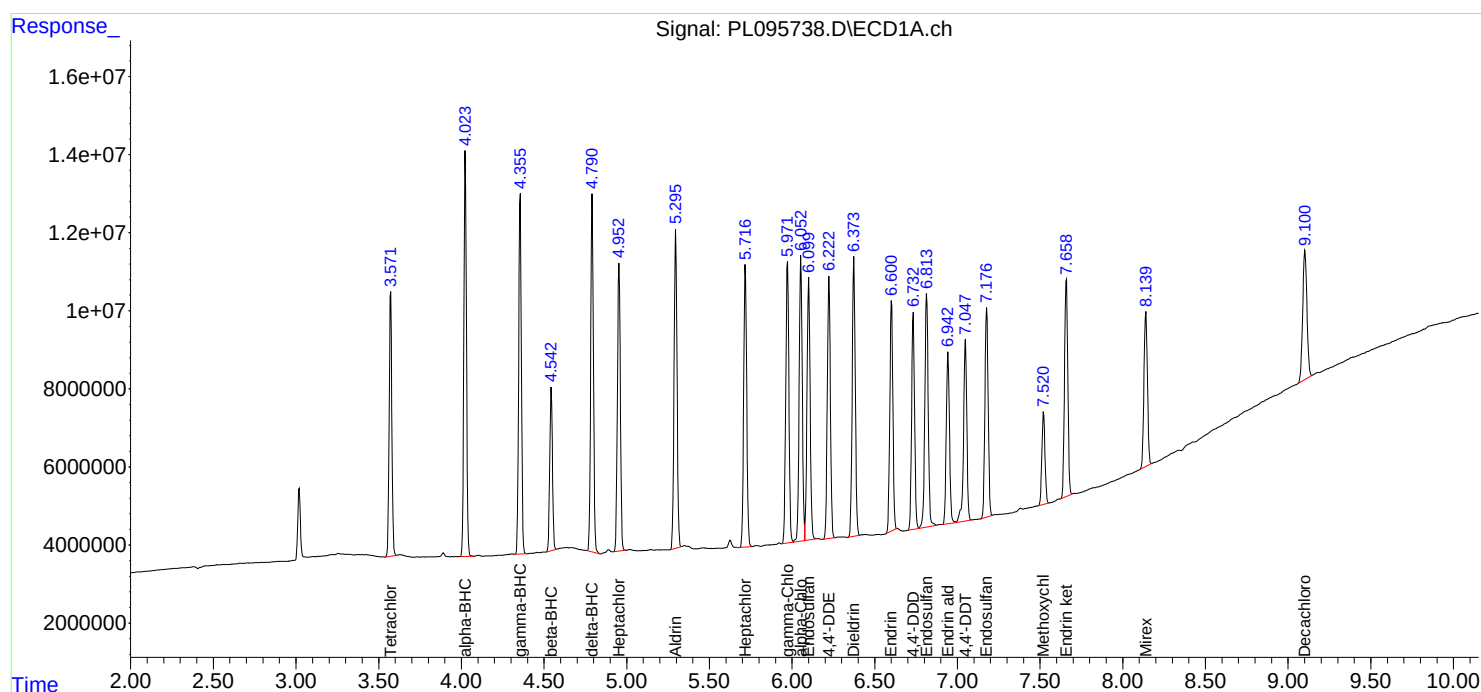
APPROVED

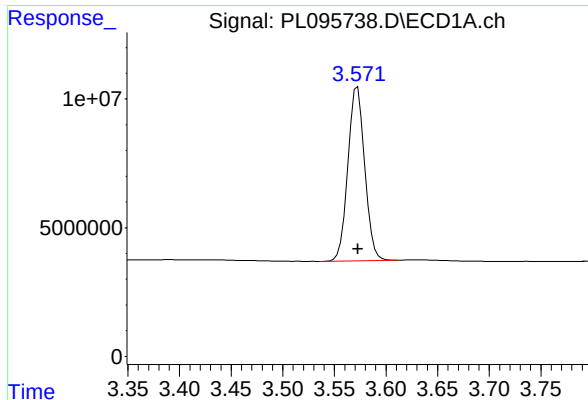
Reviewed By :Abdul Mirza 05/22/2025

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





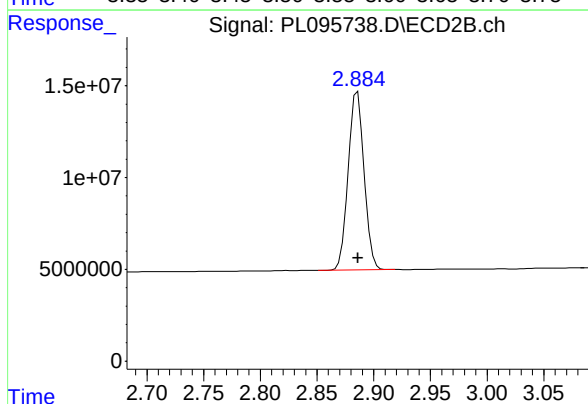
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

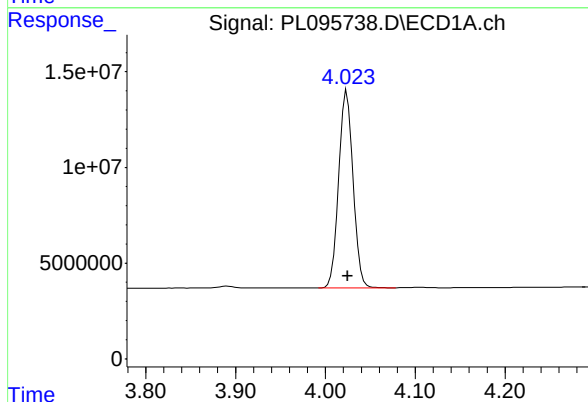
Manual Integrations
APPROVED

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



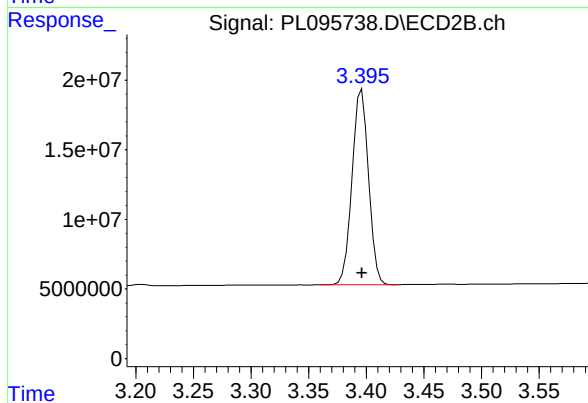
#1 Tetrachloro-m-xylene

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



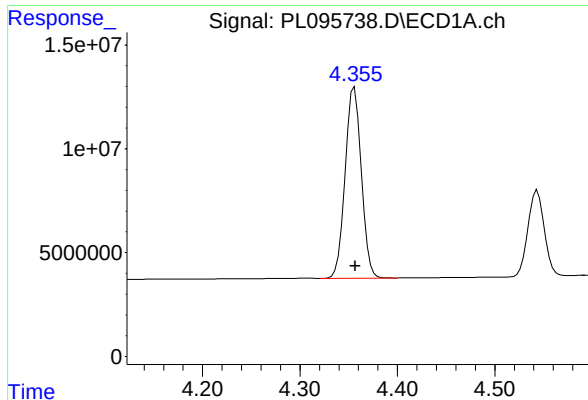
#2 alpha-BHC

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



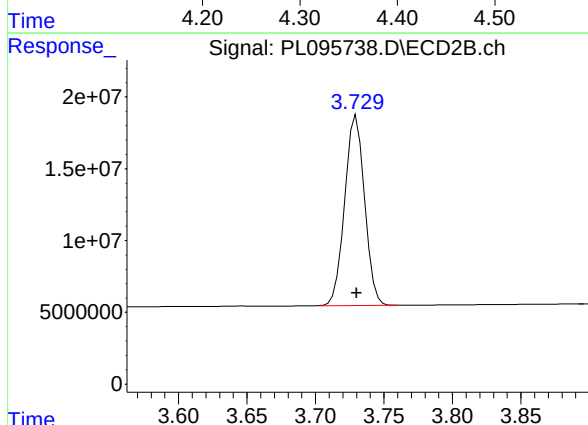
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

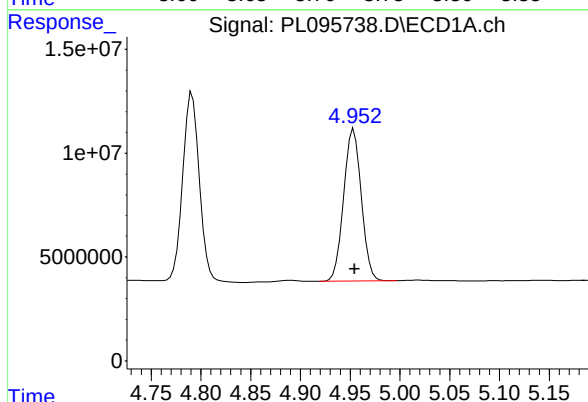
**Manual Integrations
APPROVED**

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



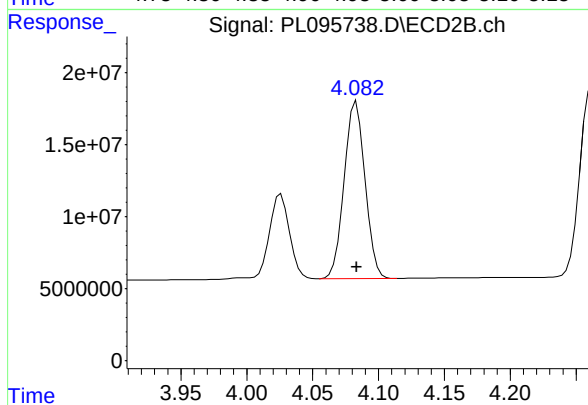
#3 gamma-BHC (Lindane)

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



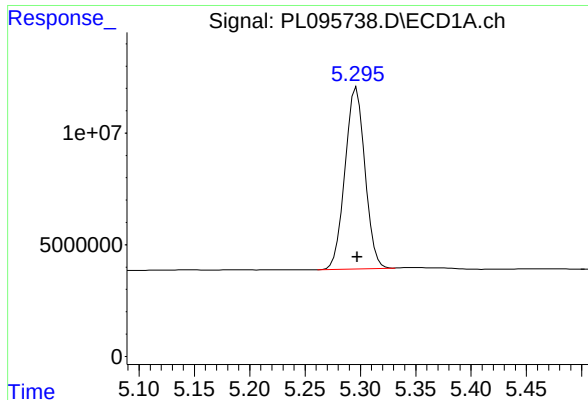
#4 Heptachlor

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



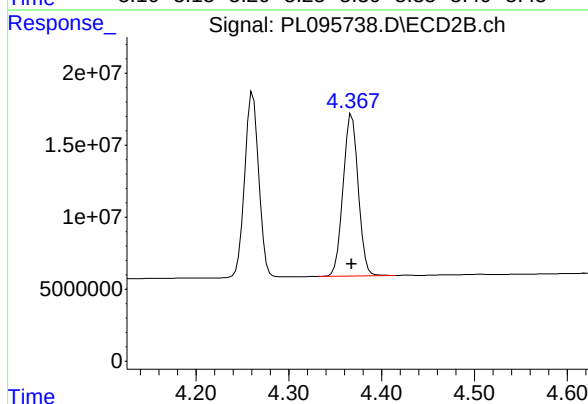
#5 Aldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

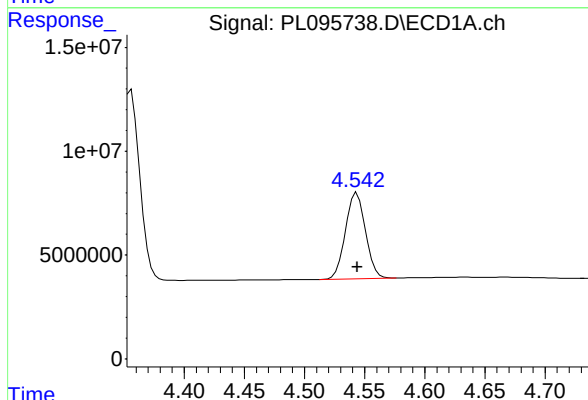
Manual Integrations
APPROVED

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



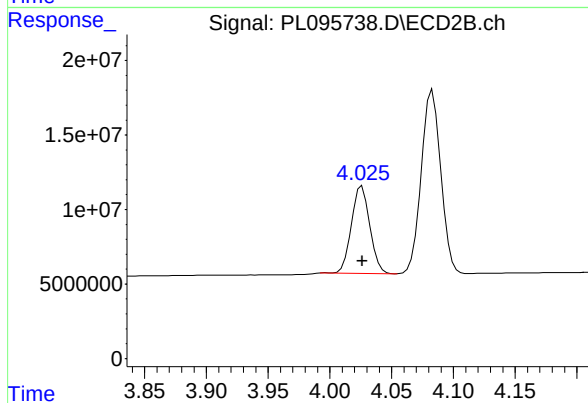
#5 Aldrin

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



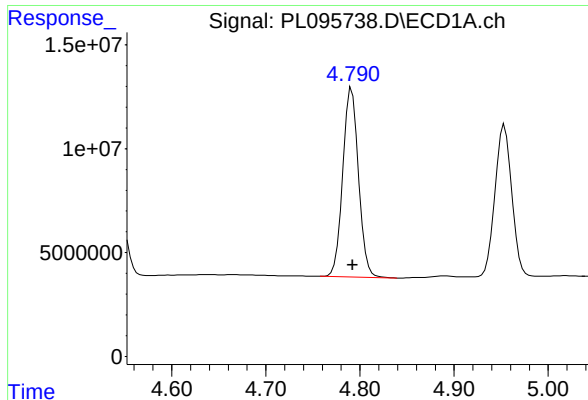
#6 beta-BHC

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



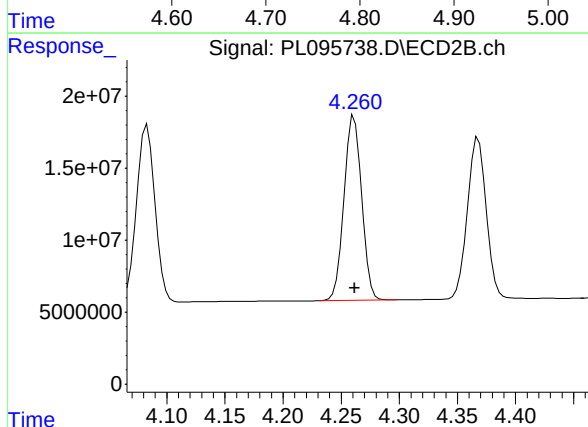
#7 delta-BHC

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

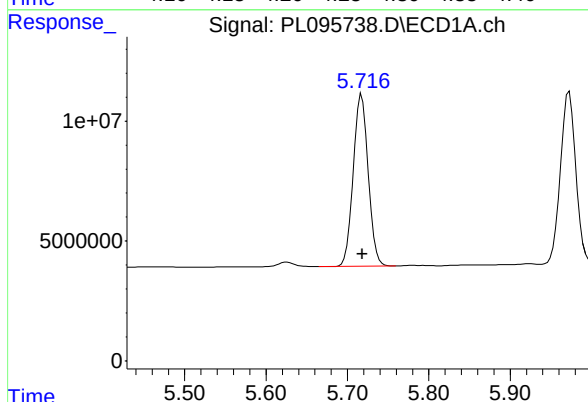
Manual Integrations
APPROVED

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



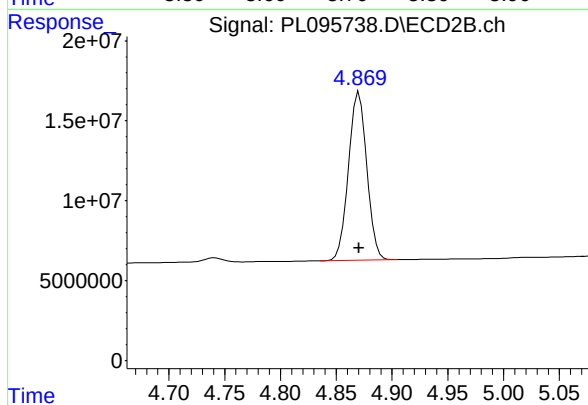
#7 delta-BHC

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



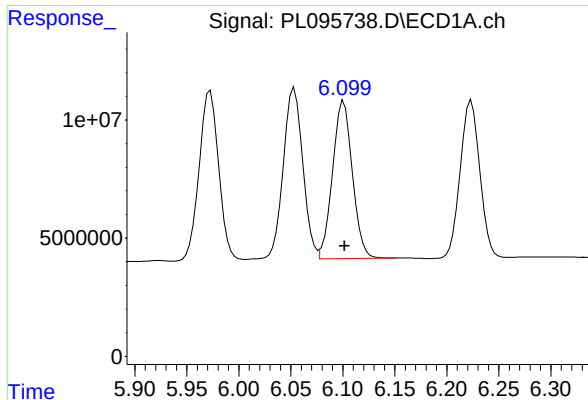
#8 Heptachlor epoxide

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



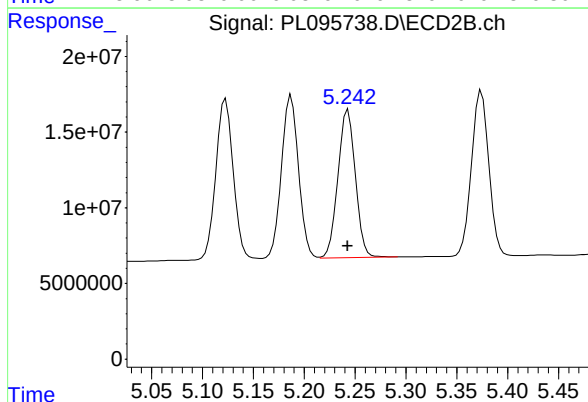
#9 Endosulfan I

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

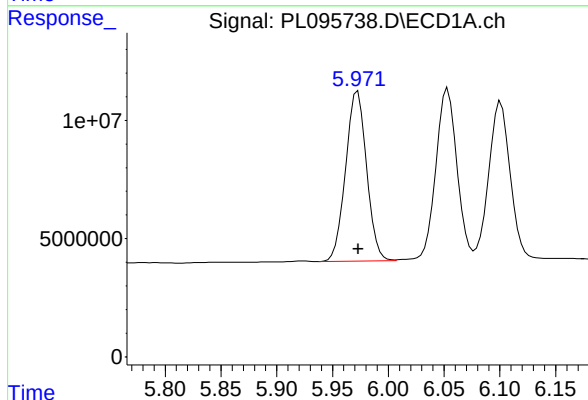
Manual Integrations
APPROVED

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



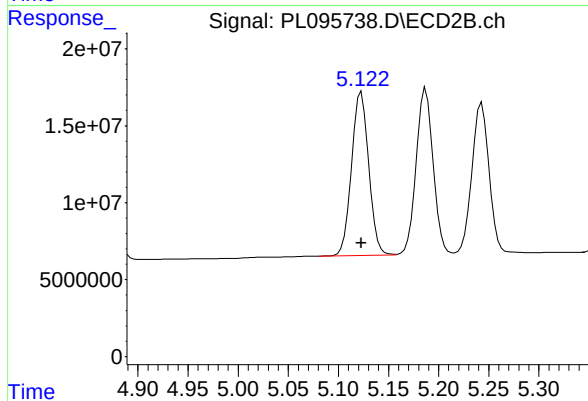
#9 Endosulfan I

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



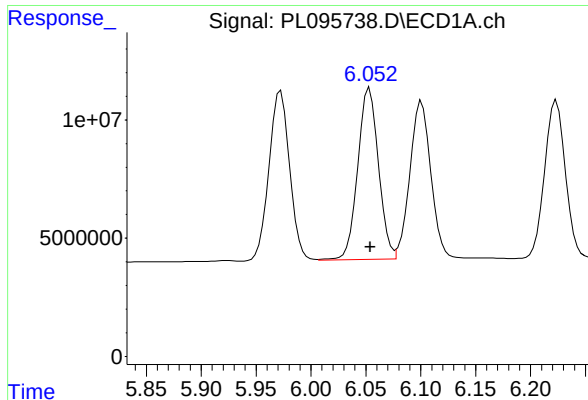
#10 gamma-Chlordane

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



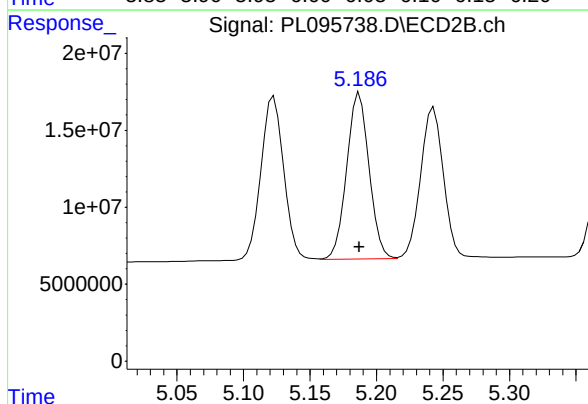
#11 alpha-Chlordane

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

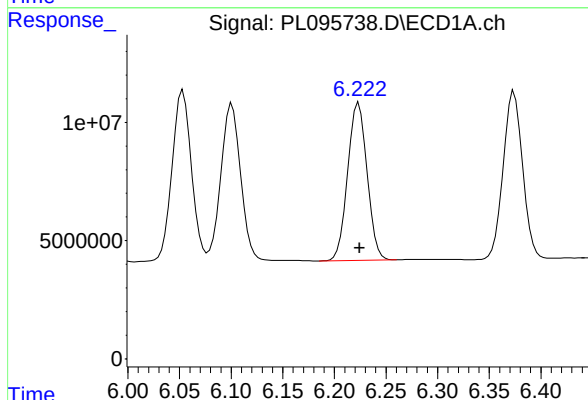
Manual Integrations
APPROVED

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



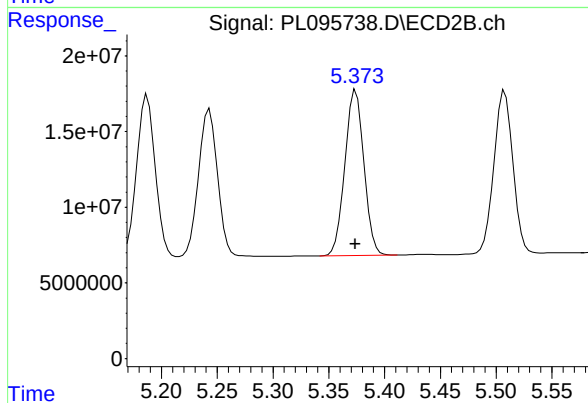
#11 alpha-Chlordane

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



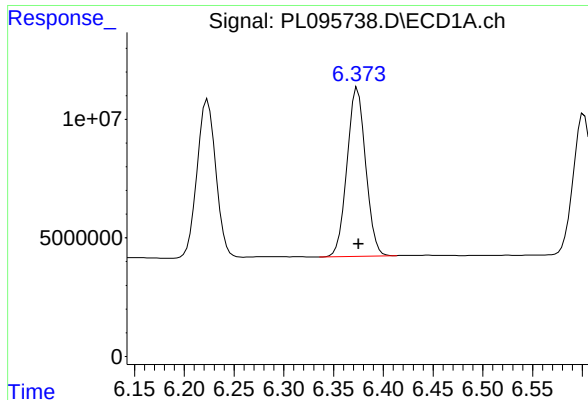
#12 4,4'-DDE

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



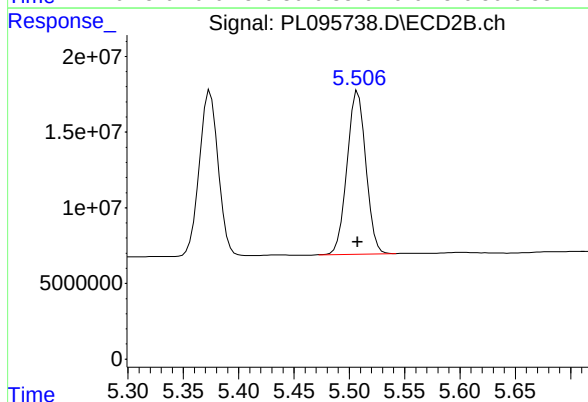
#13 Dieldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

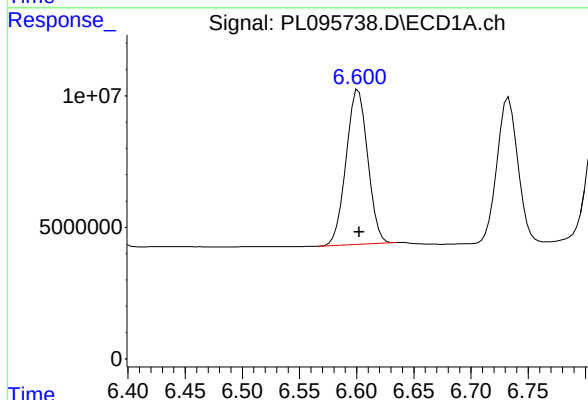
Manual Integrations
APPROVED

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



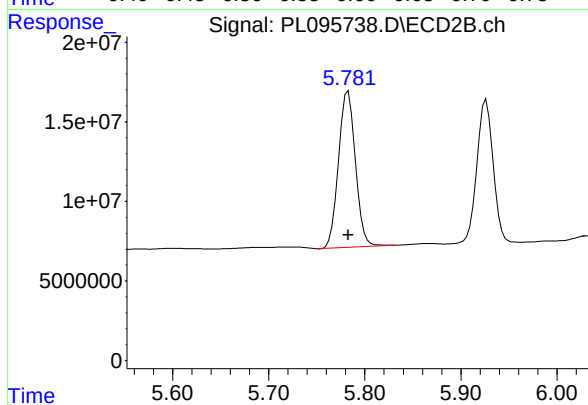
#13 Dieldrin

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



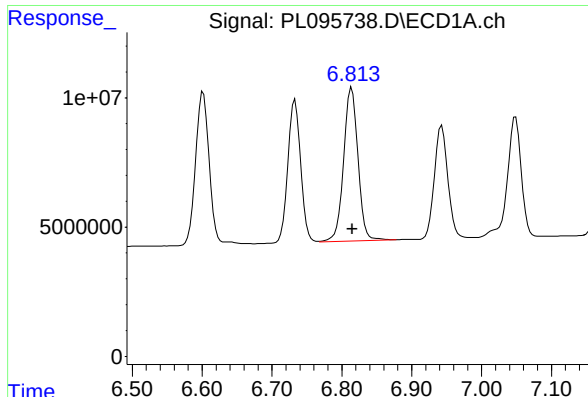
#14 Endrin

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



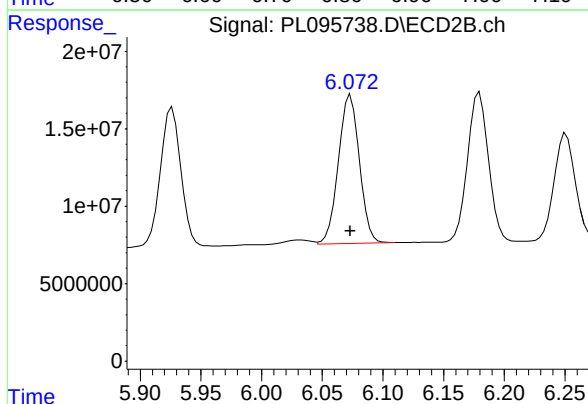
#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

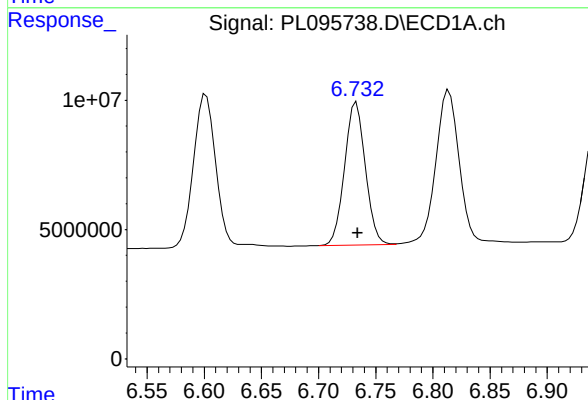
Manual Integrations
APPROVED

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



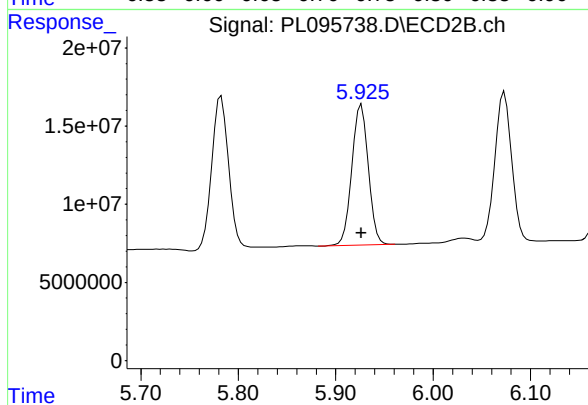
#15 Endosulfan II

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



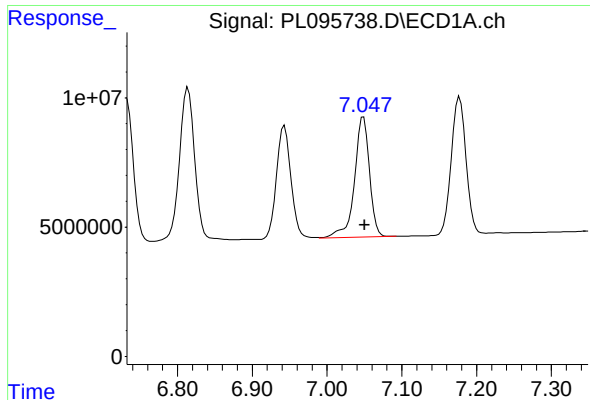
#16 4,4'-DDD

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



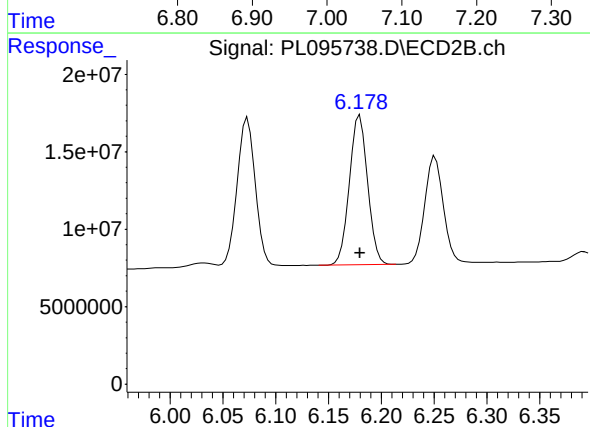
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

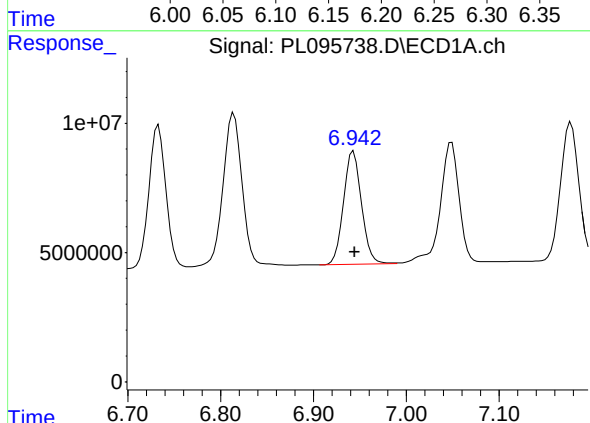
Manual Integrations
APPROVED

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



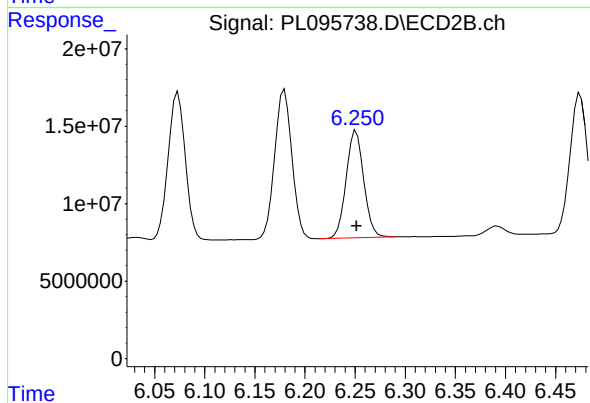
#17 4,4'-DDT

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



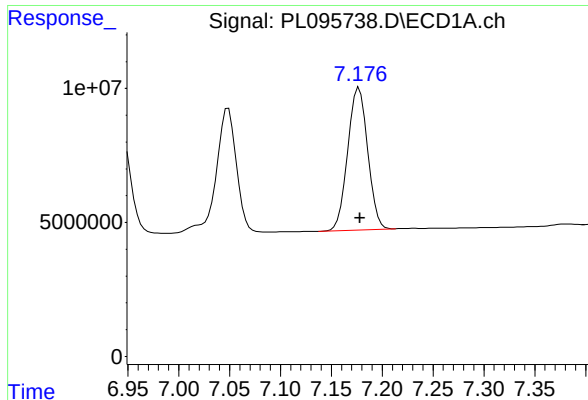
#18 Endrin aldehyde

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



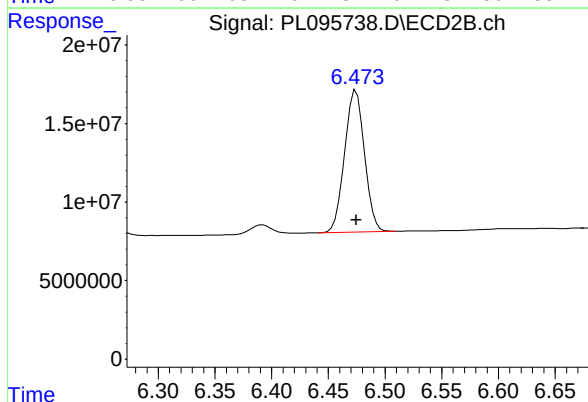
#19 Endosulfan Sulfate

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

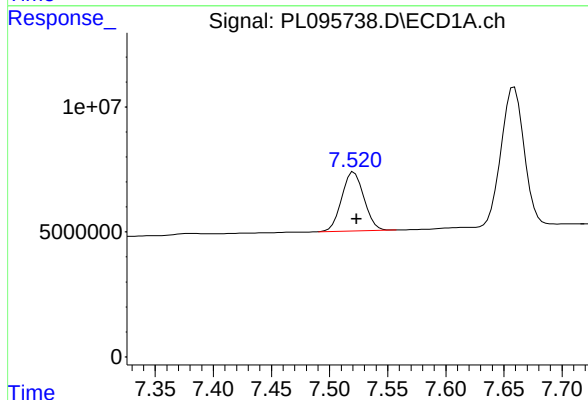
Manual Integrations
APPROVED

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



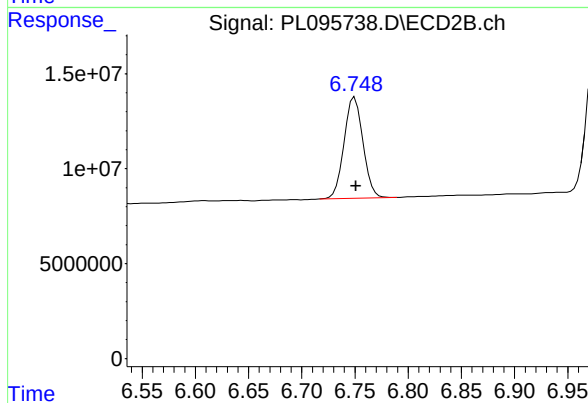
#19 Endosulfan Sulfate

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



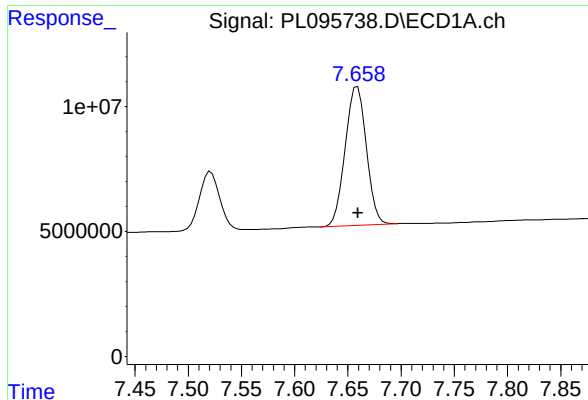
#20 Methoxychlor

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



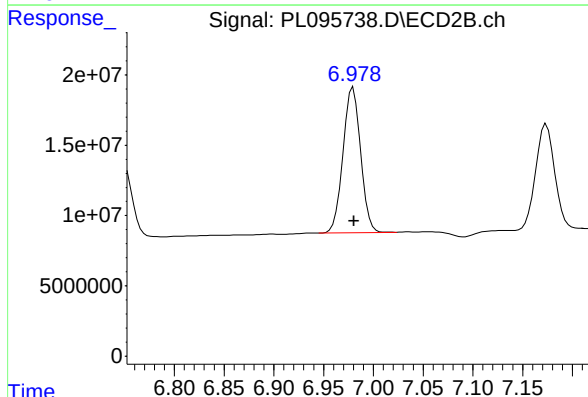
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

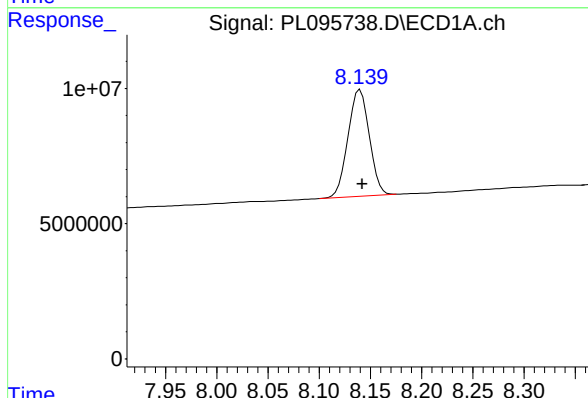
Manual Integrations
APPROVED

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



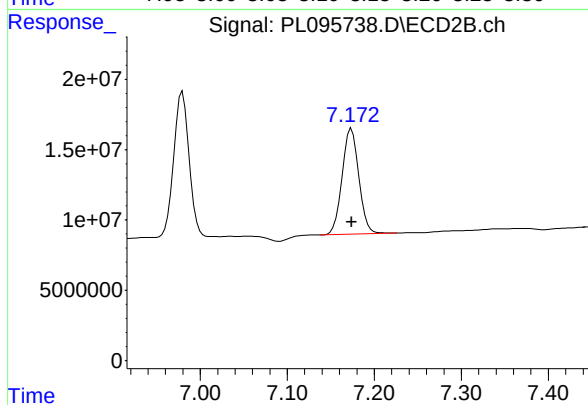
#21 Endrin ketone

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



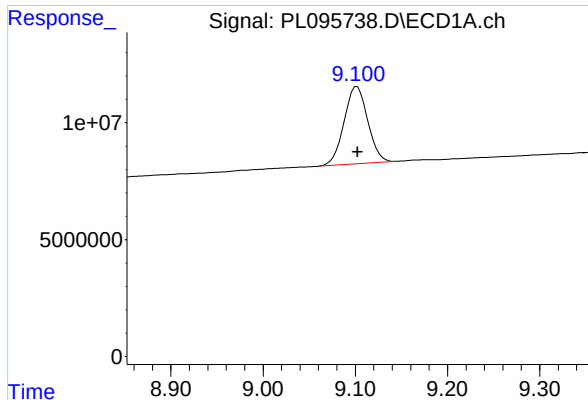
#22 Mirex

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



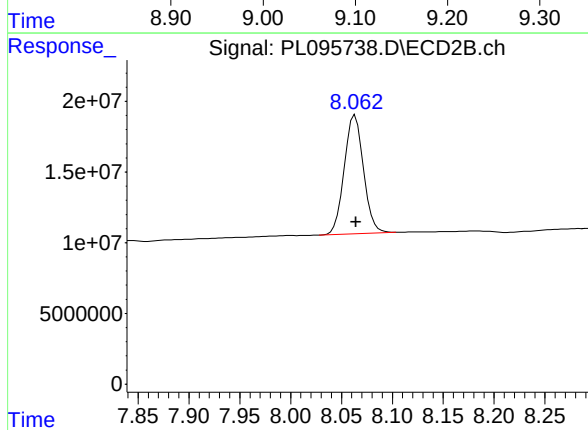
#28 Decachlorobiphenyl

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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#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

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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

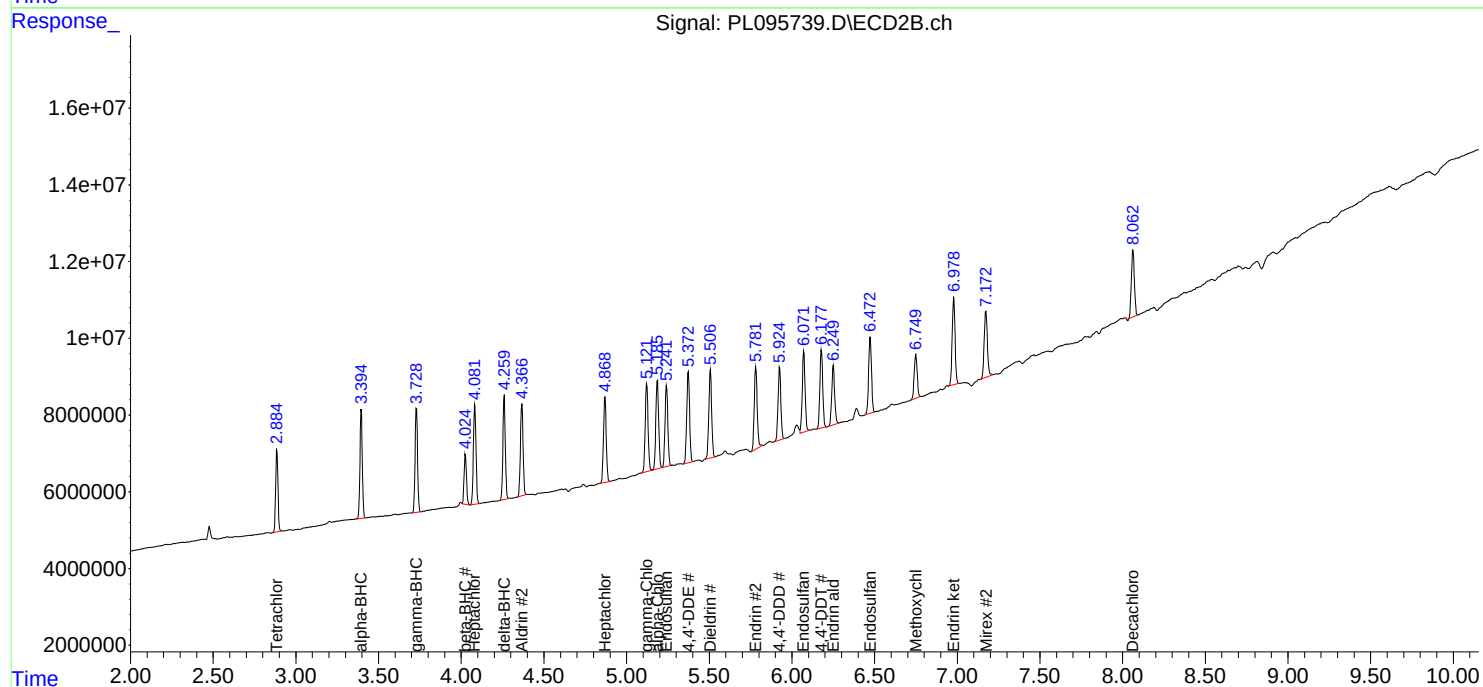
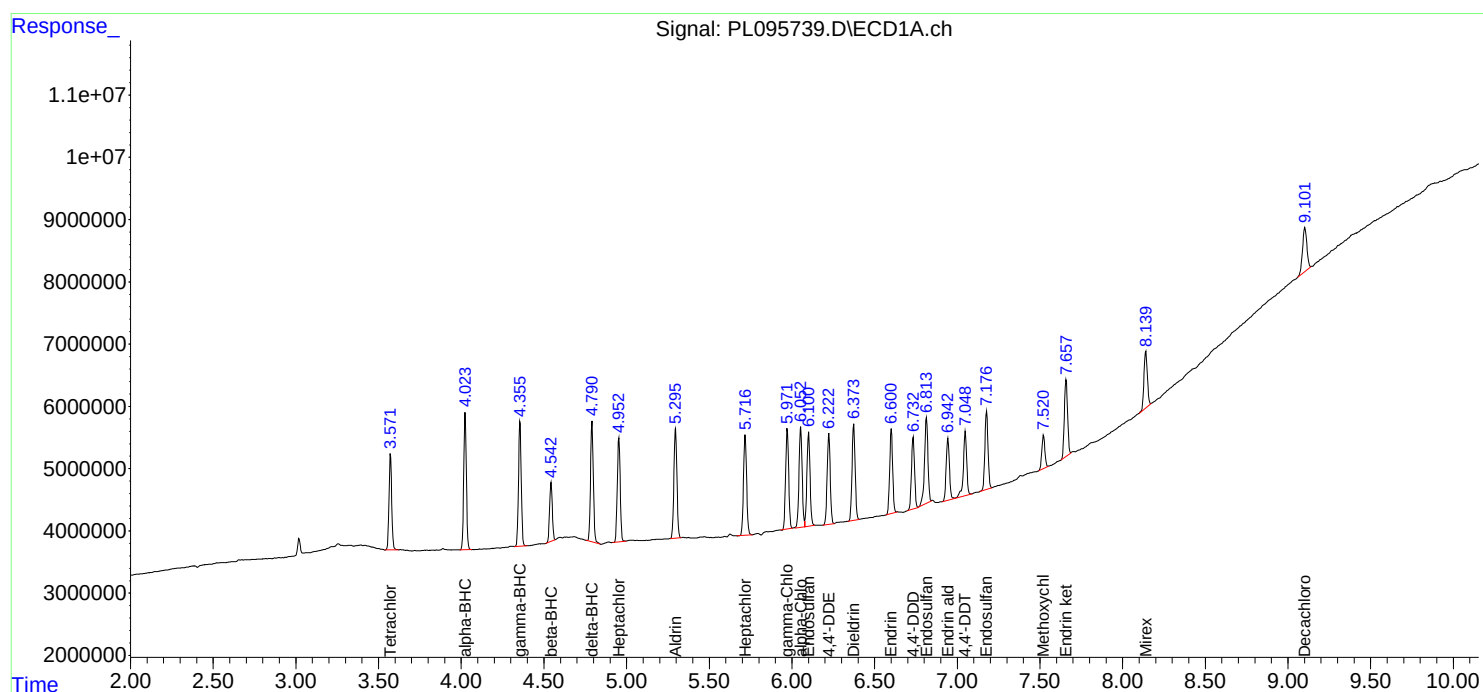
APPROVED

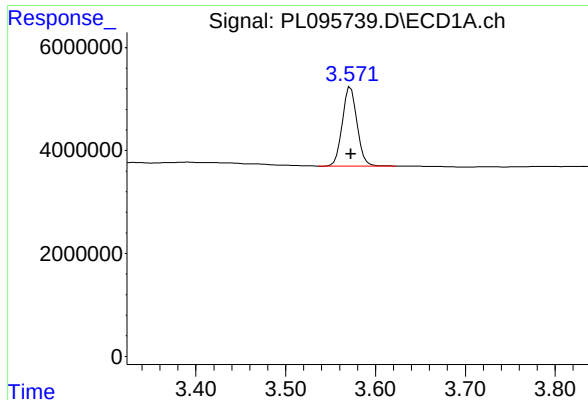
Reviewed By :Abdul Mirza 05/22/2025

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





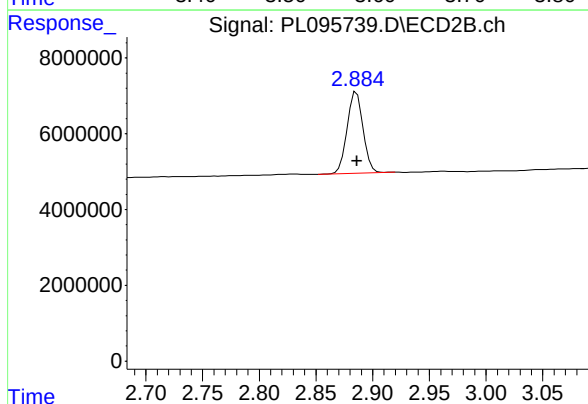
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

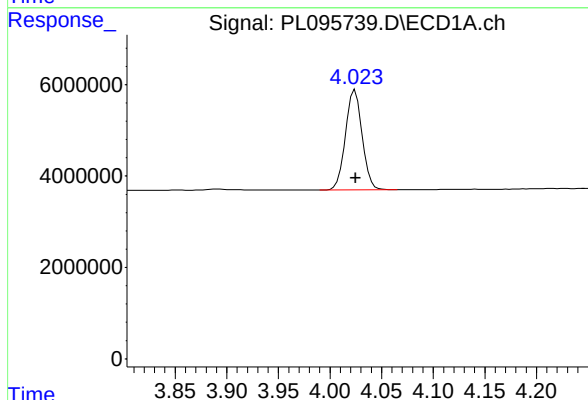
Manual Integrations
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Supervised By :mohammad ahmed 05/23/2025



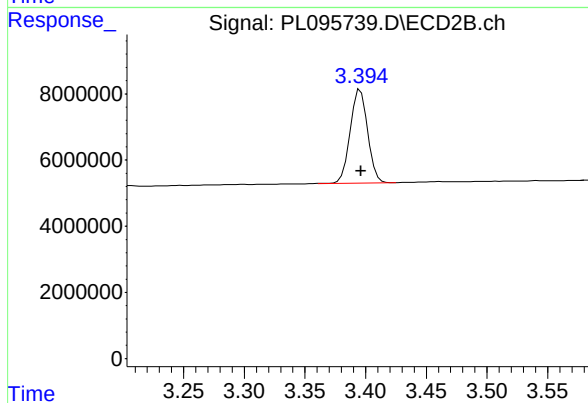
#1 Tetrachloro-m-xylene

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



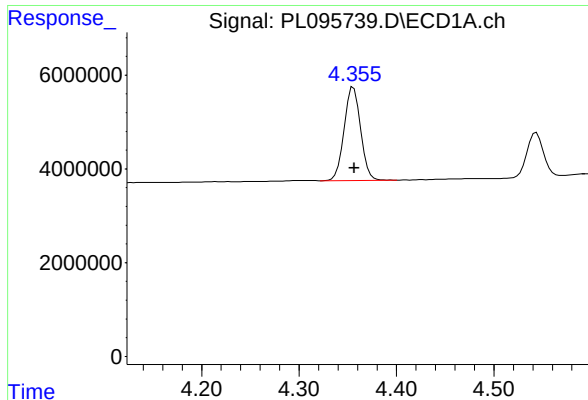
#2 alpha-BHC

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



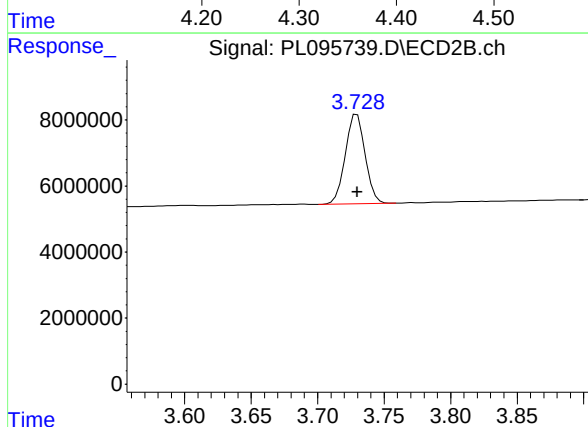
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

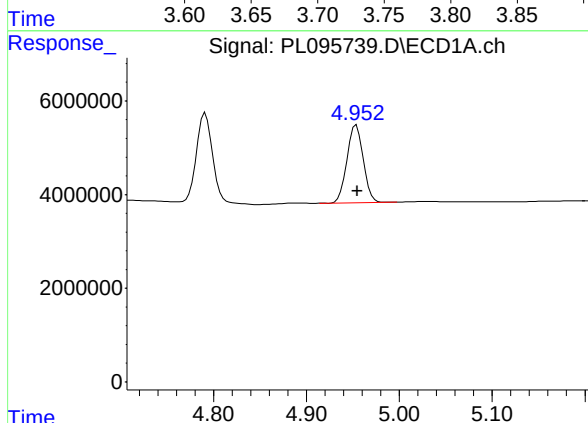
Manual Integrations
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Supervised By :mohammad ahmed 05/23/2025



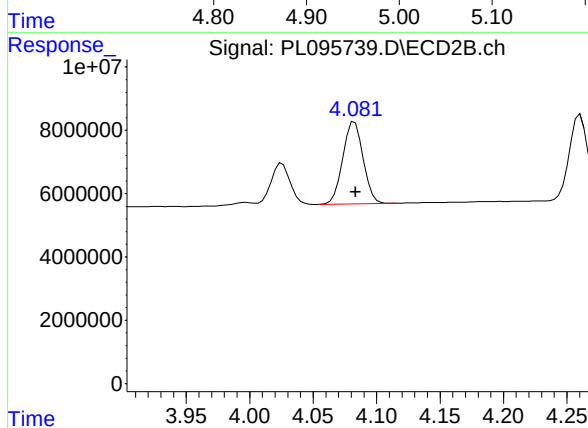
#3 gamma-BHC (Lindane)

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



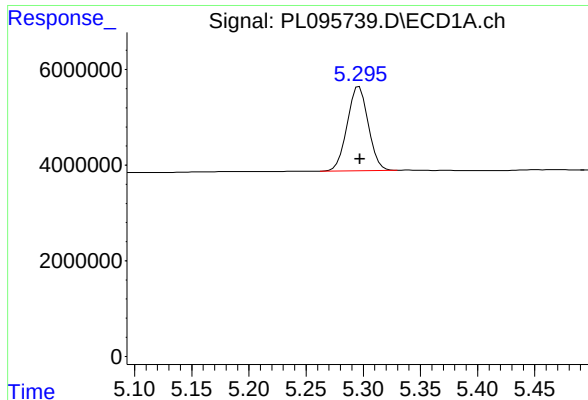
#4 Heptachlor

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



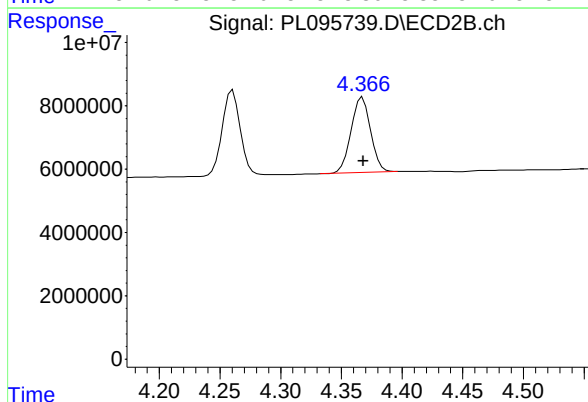
#5 Aldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

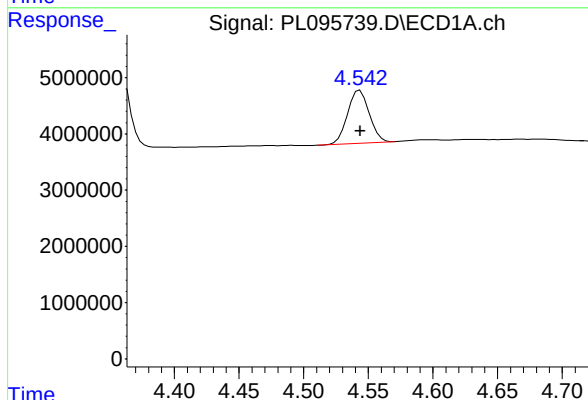
Manual Integrations
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Supervised By :mohammad ahmed 05/23/2025



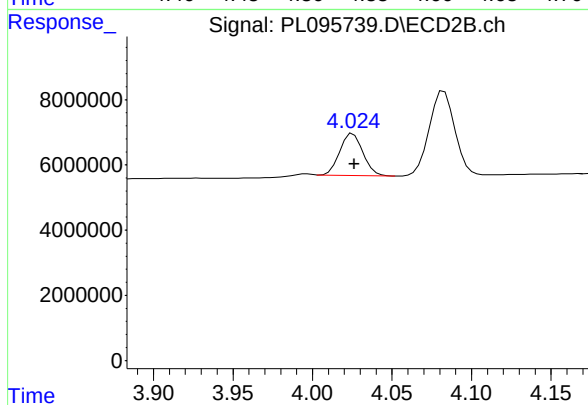
#5 Aldrin

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



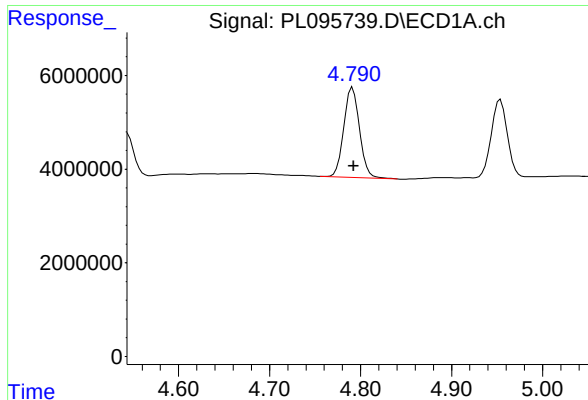
#6 beta-BHC

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



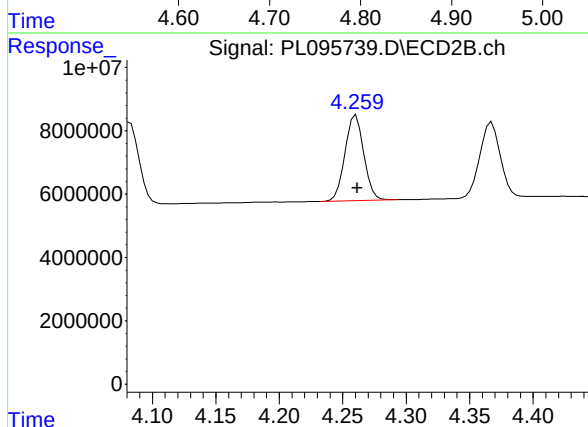
#7 delta-BHC

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

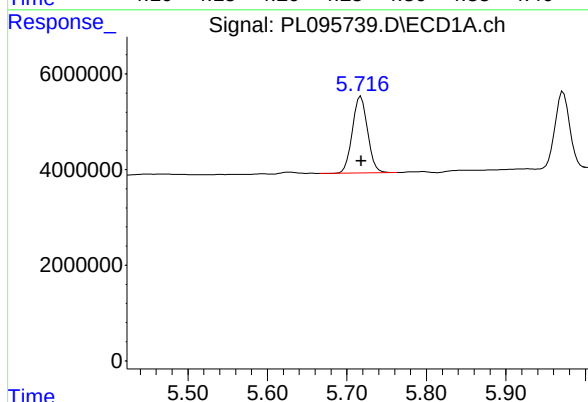
Manual Integrations
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Supervised By :mohammad ahmed 05/23/2025



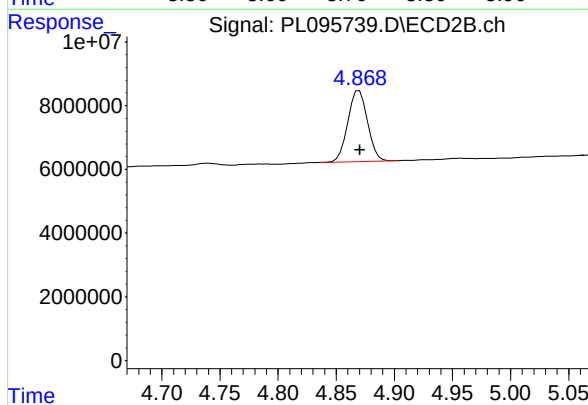
#7 delta-BHC

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



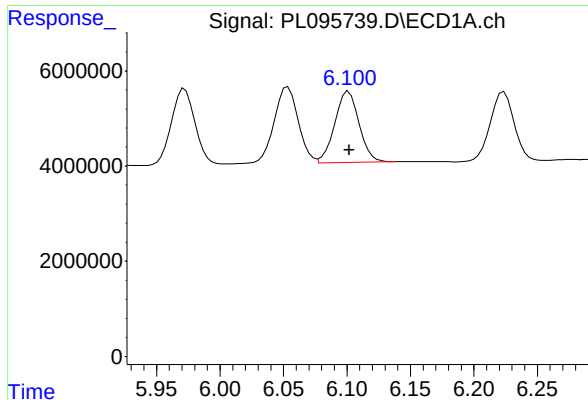
#8 Heptachlor epoxide

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



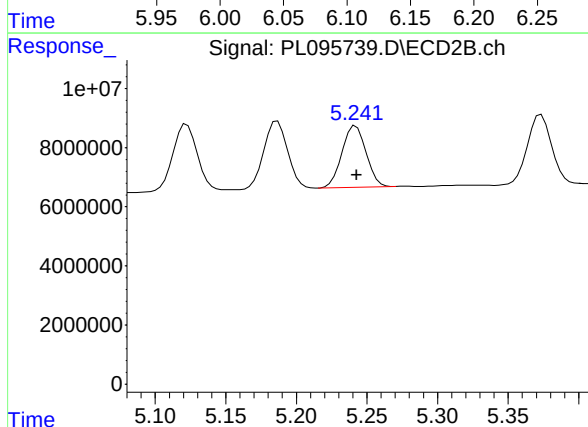
#9 Endosulfan I

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

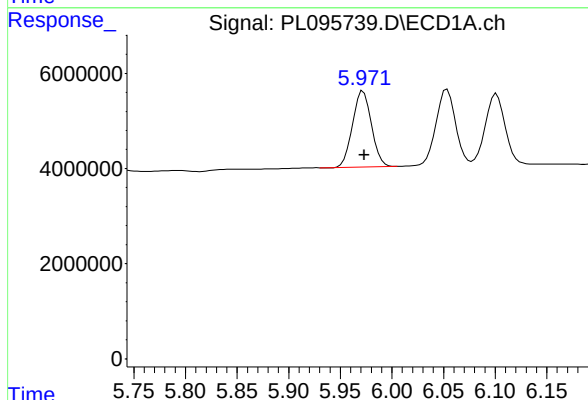
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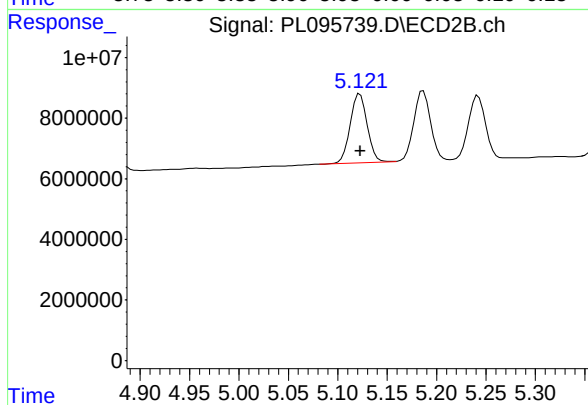
#9 Endosulfan I

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



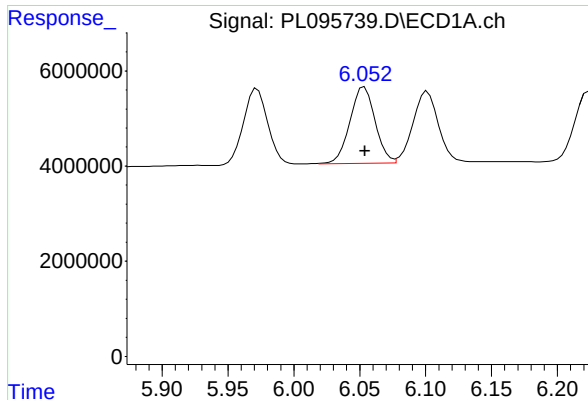
#10 gamma-Chlordane

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



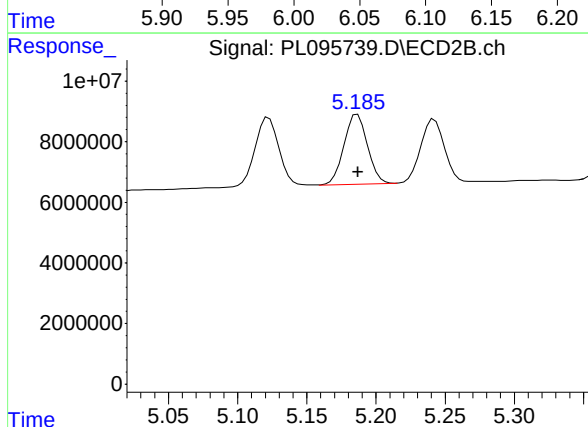
#11 alpha-Chlordane

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

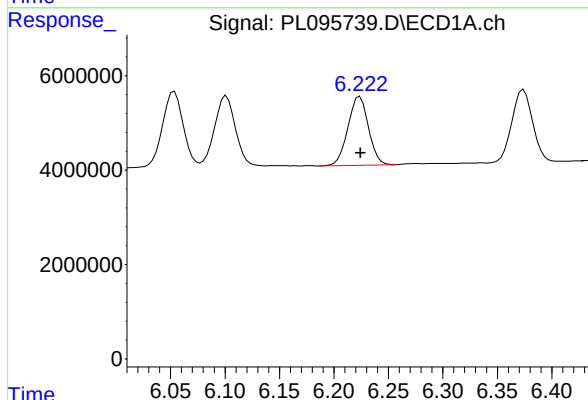
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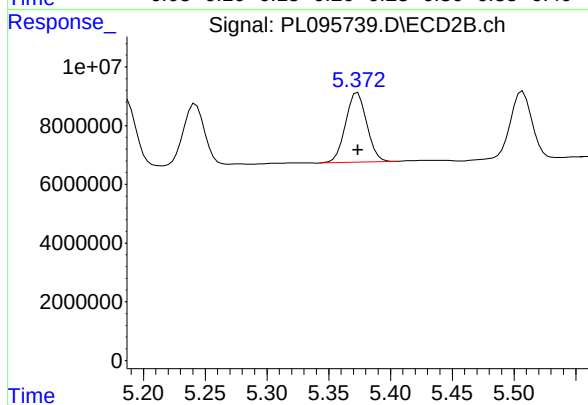
#11 alpha-Chlordane

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



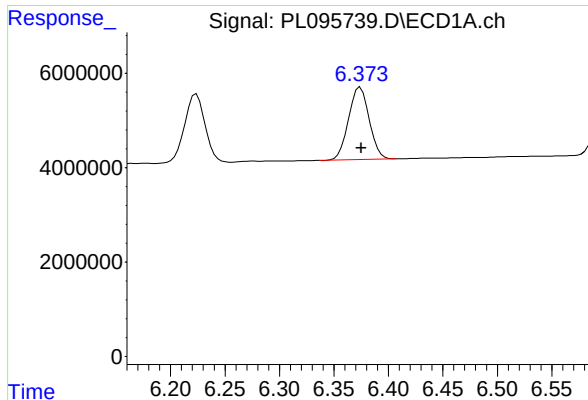
#12 4,4'-DDE

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



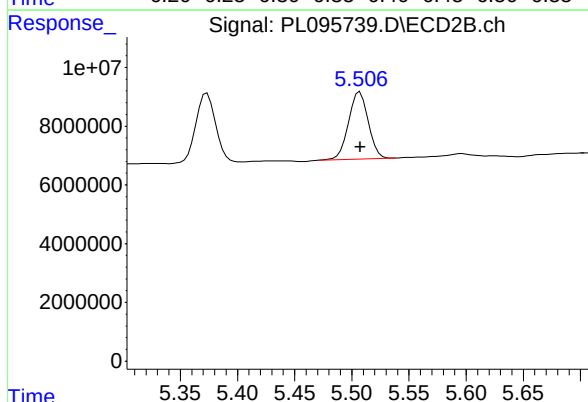
#13 Dieldrin

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

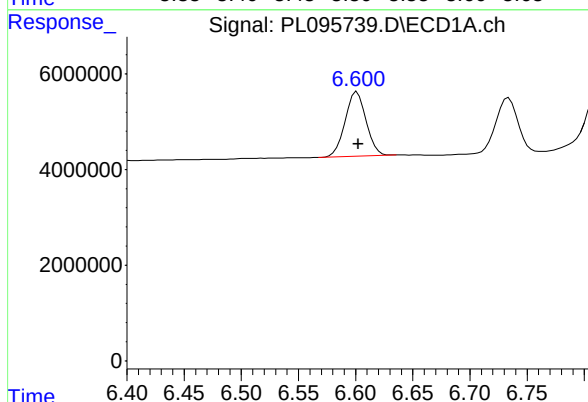
Manual Integrations
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Supervised By :mohammad ahmed 05/23/2025



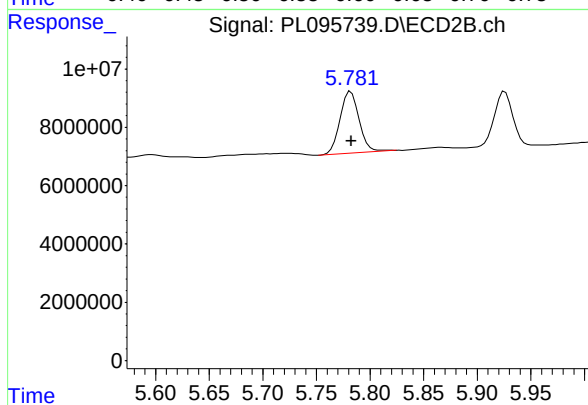
#13 Dieldrin

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



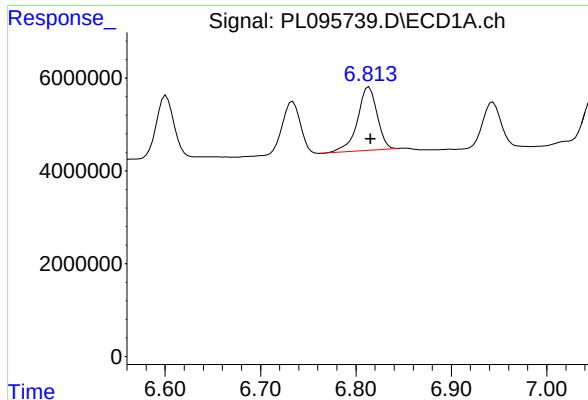
#14 Endrin

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



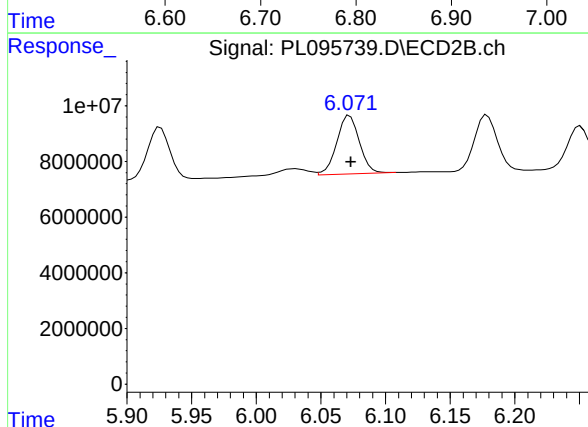
#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

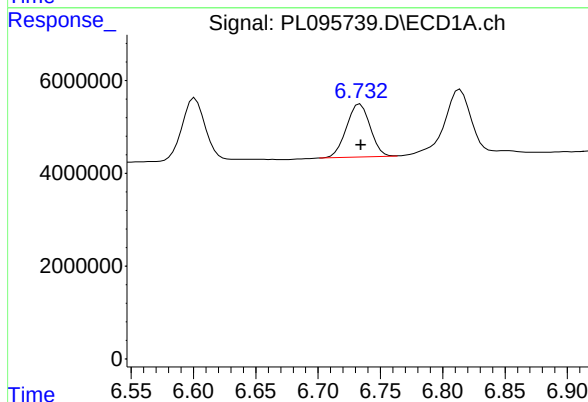
Manual Integrations
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Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



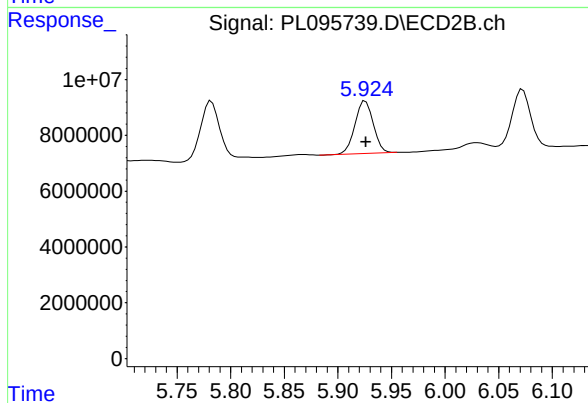
#15 Endosulfan II

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



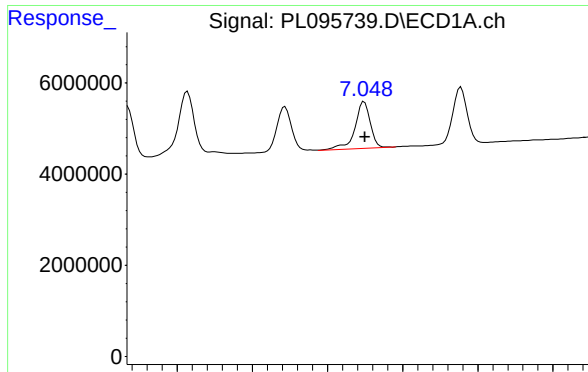
#16 4,4'-DDD

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



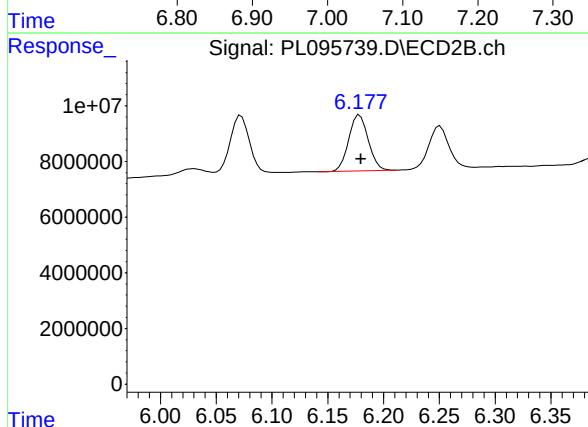
#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

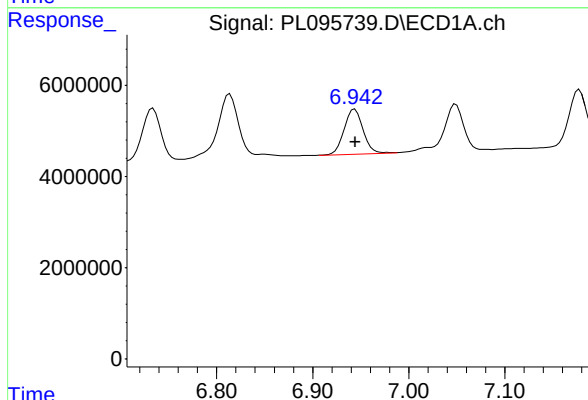
Manual Integrations
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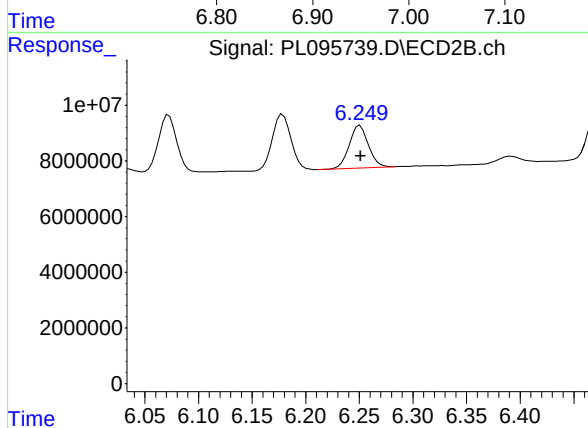
#17 4,4'-DDT

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



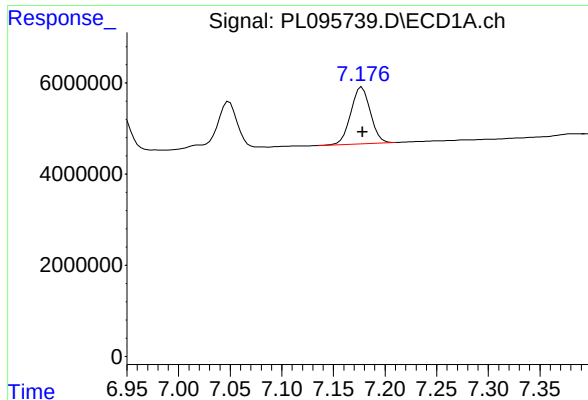
#18 Endrin aldehyde

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



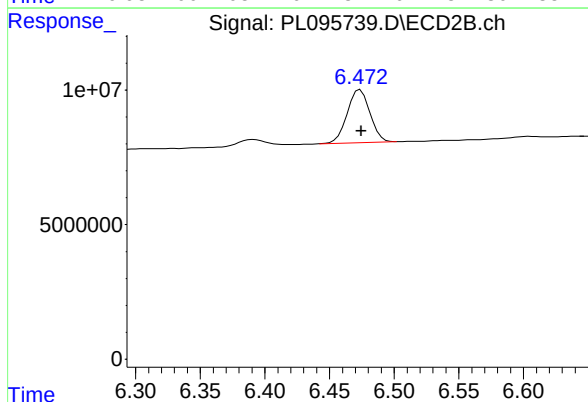
#19 Endosulfan Sulfate

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

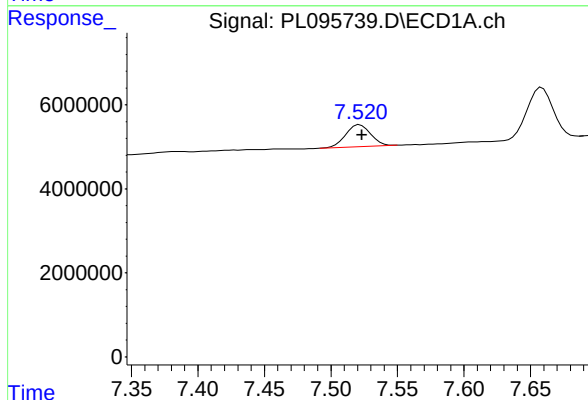
Manual Integrations
APPROVED

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



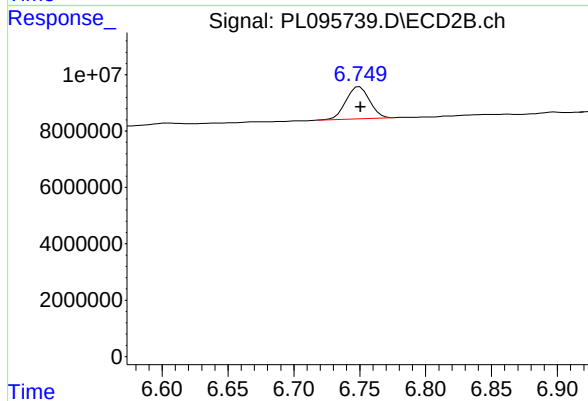
#19 Endosulfan Sulfate

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



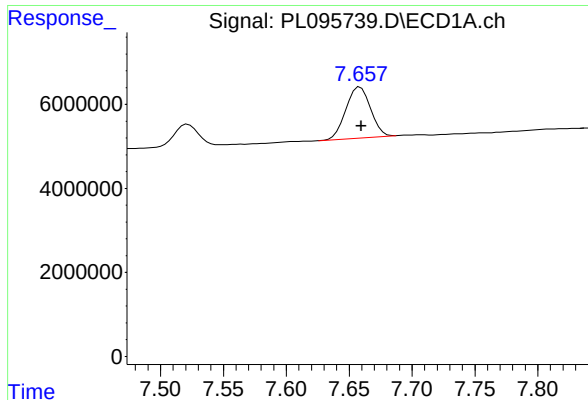
#20 Methoxychlor

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



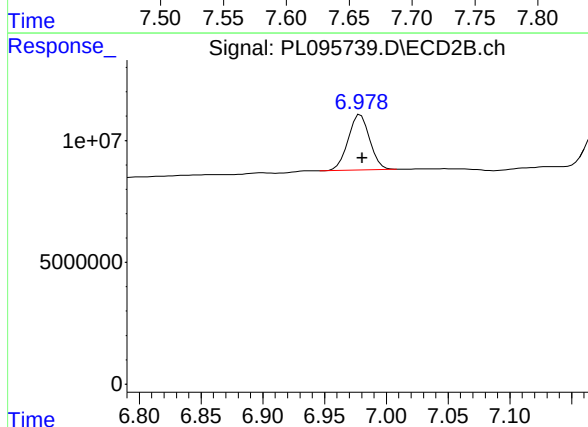
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

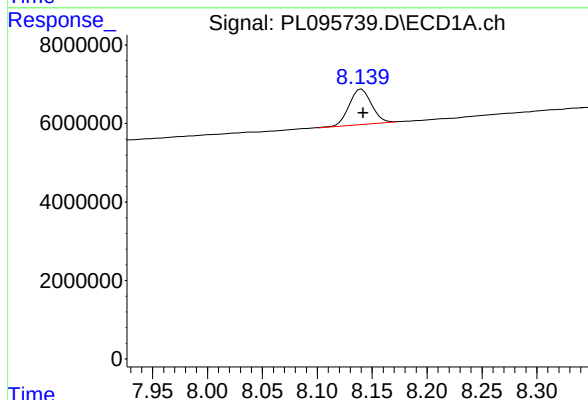
Manual Integrations
APPROVED

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



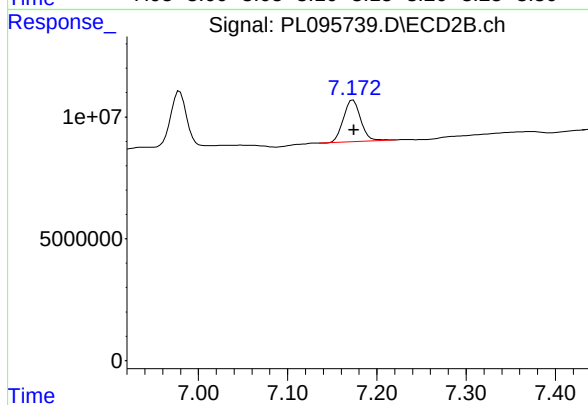
#21 Endrin ketone

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



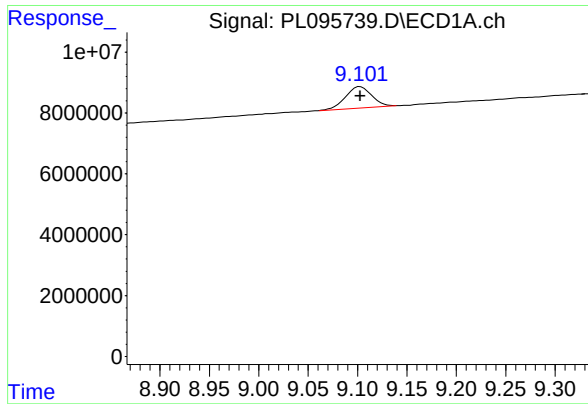
#22 Mirex

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

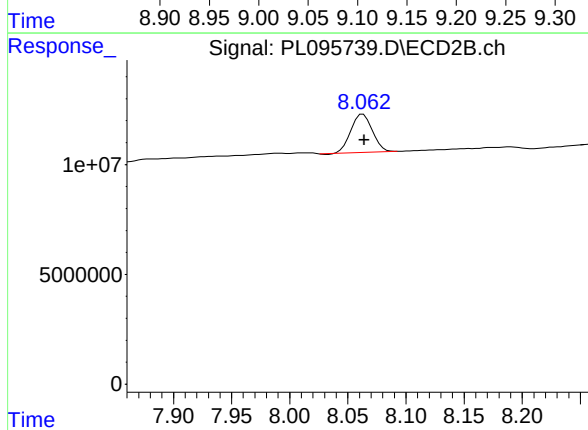
ICAL Form

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

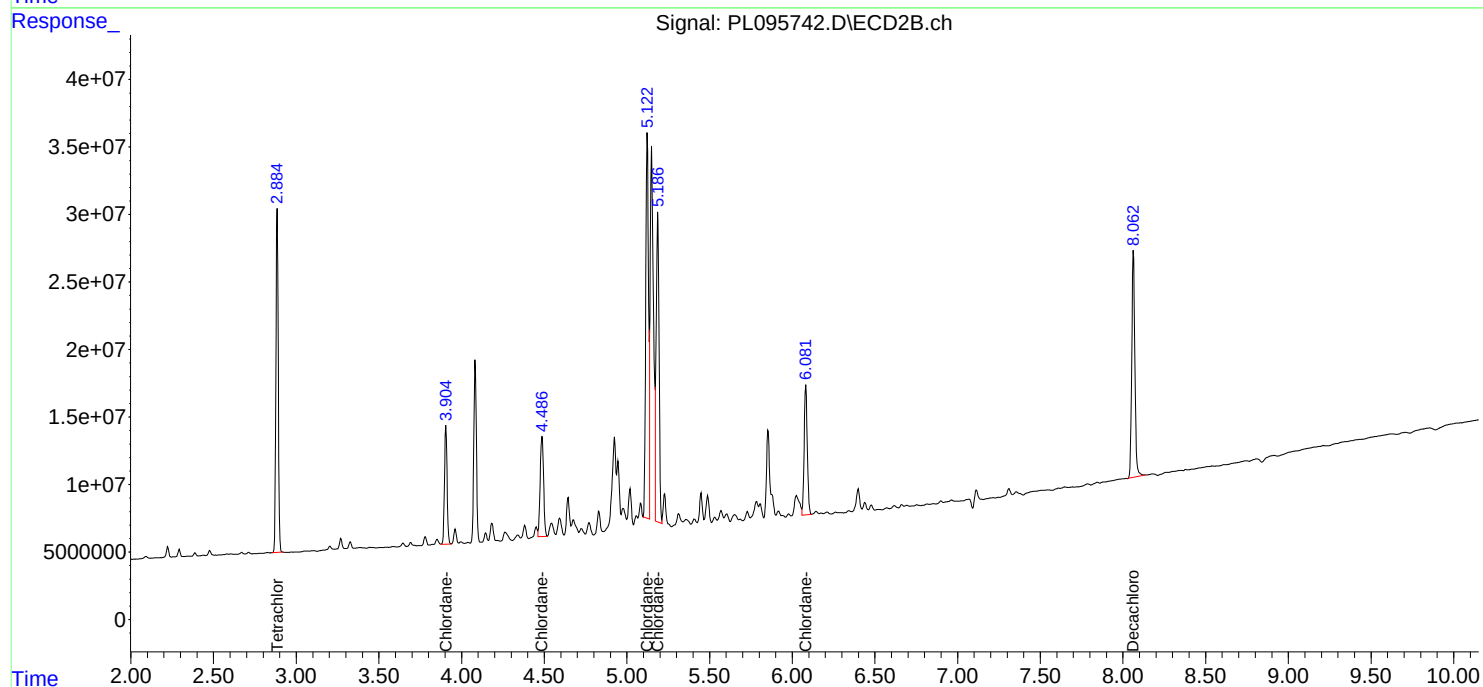
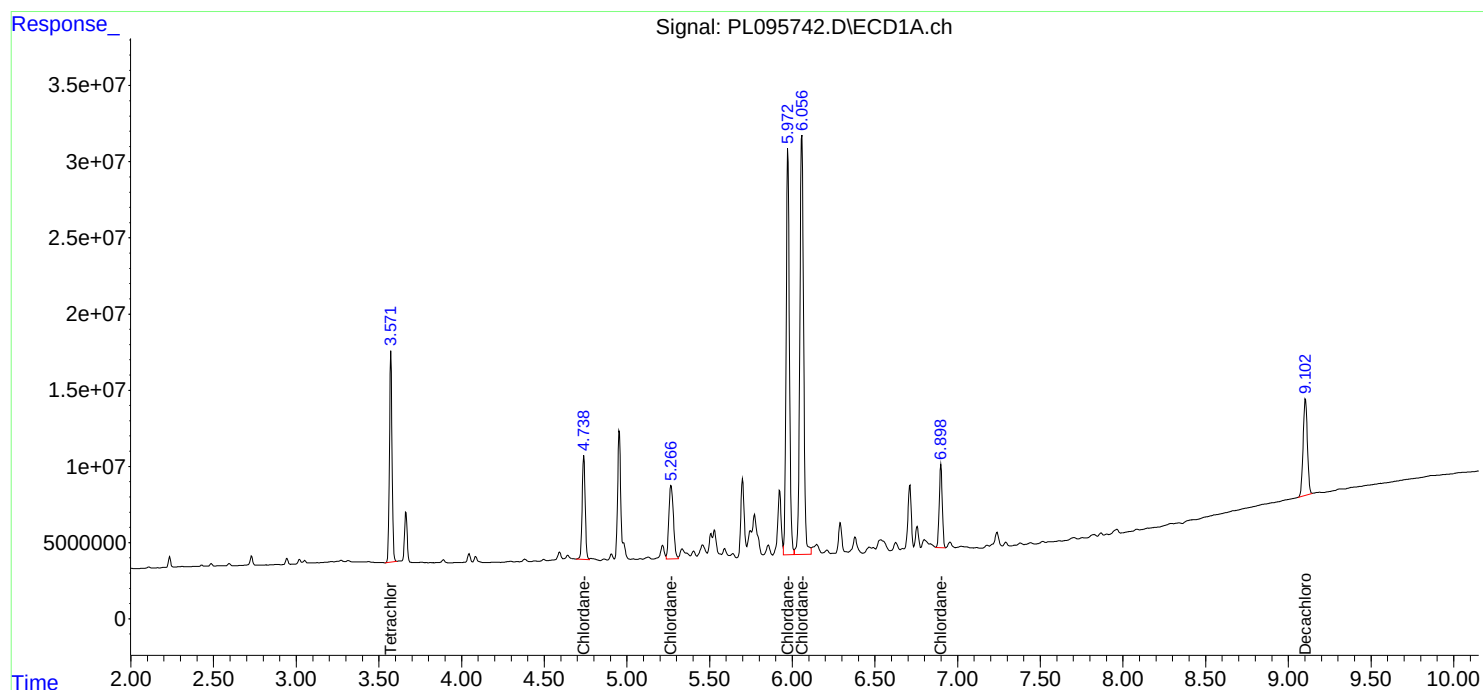
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

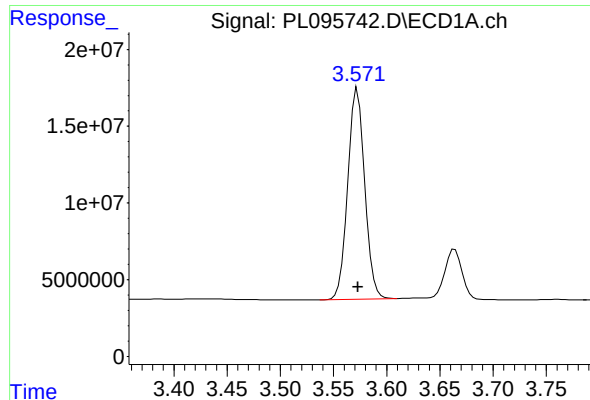
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095742.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 13:10
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

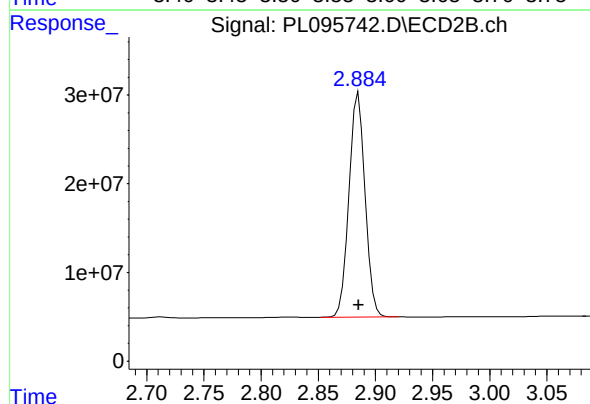




#1 Tetrachloro-m-xylene

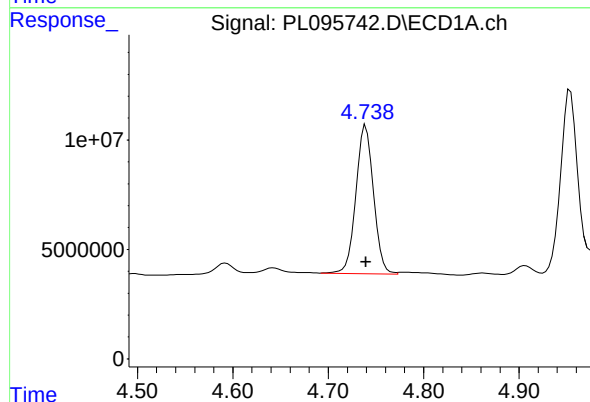
R.T.: 3.573 min
Delta R.T.: 0.000 min
Response: 151287484
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



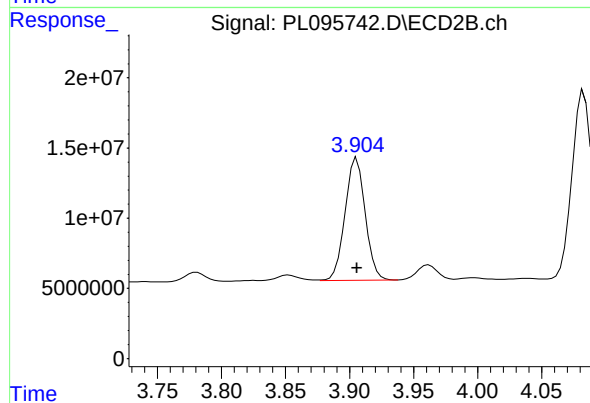
#1 Tetrachloro-m-xylene

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



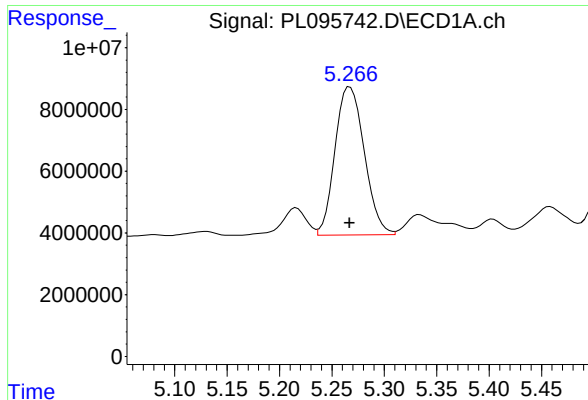
#23 Chlordane-1

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



#23 Chlordane-1

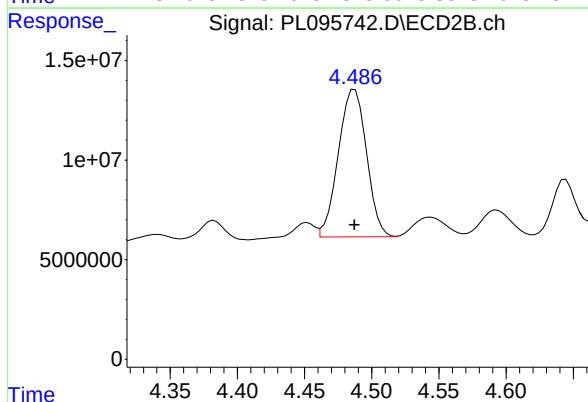
R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 95105811
Conc: 500.00 ng/ml



#24 Chlordane-2

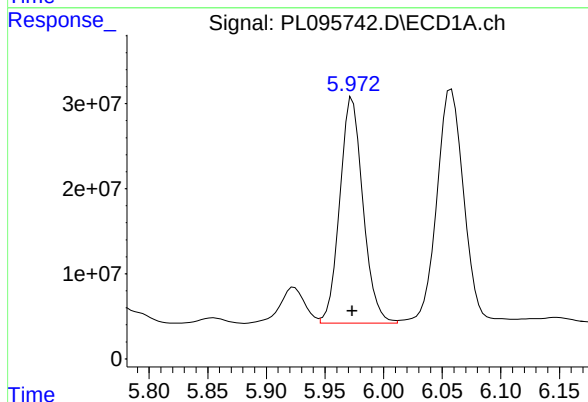
R.T.: 5.267 min
Delta R.T.: 0.000 min
Response: 93352484
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



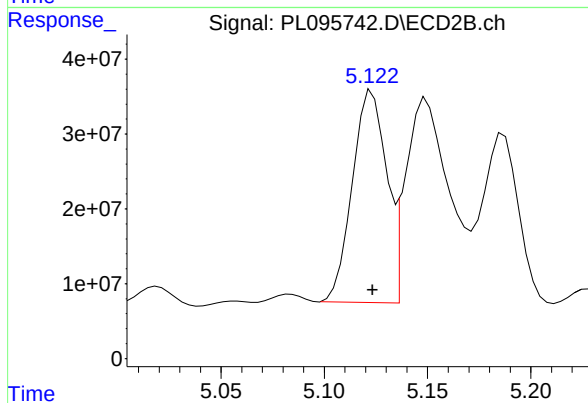
#24 Chlordane-2

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



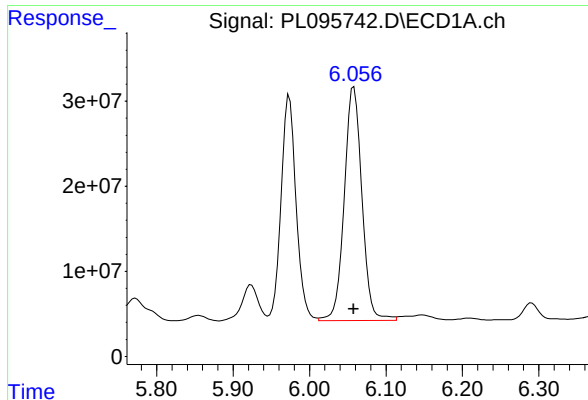
#25 Chlordane-3

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



#25 Chlordane-3

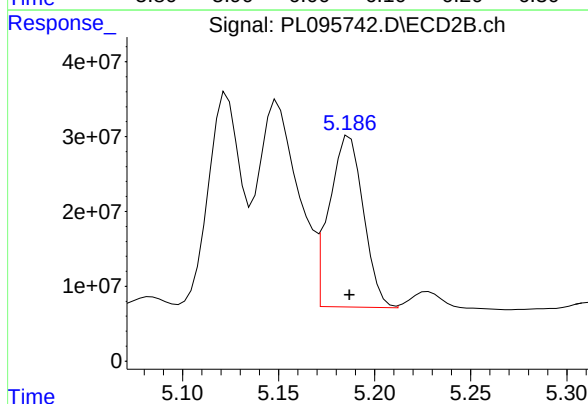
R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 326252241
Conc: 500.00 ng/ml



#26 Chlordane-4

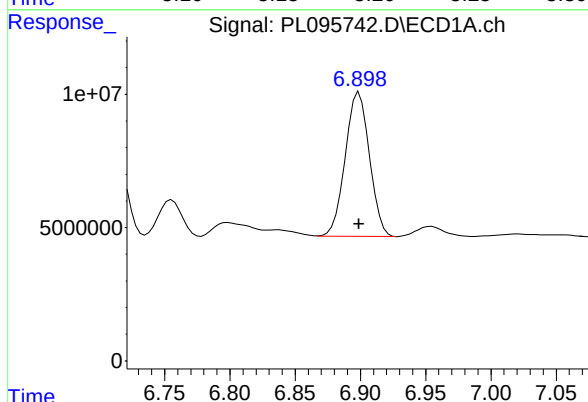
R.T.: 6.058 min
Delta R.T.: 0.000 min
Response: 443912706
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



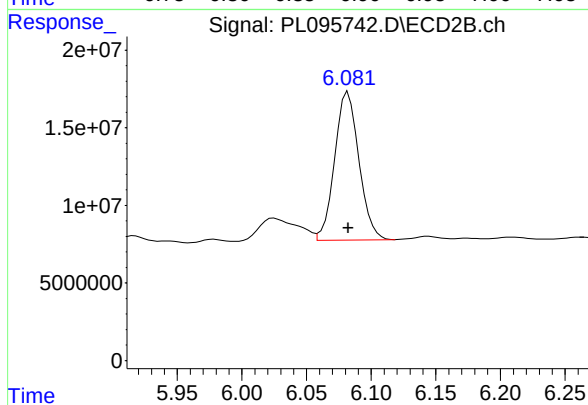
#26 Chlordane-4

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



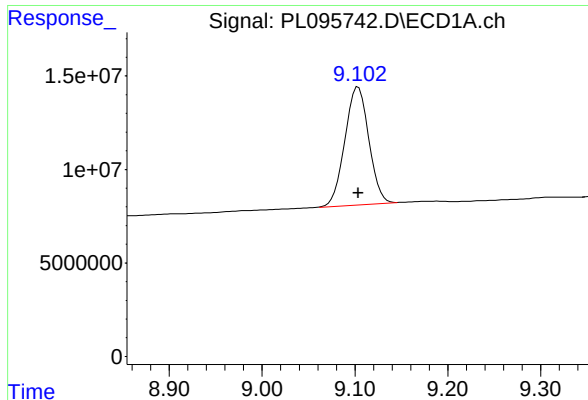
#27 Chlordane-5

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

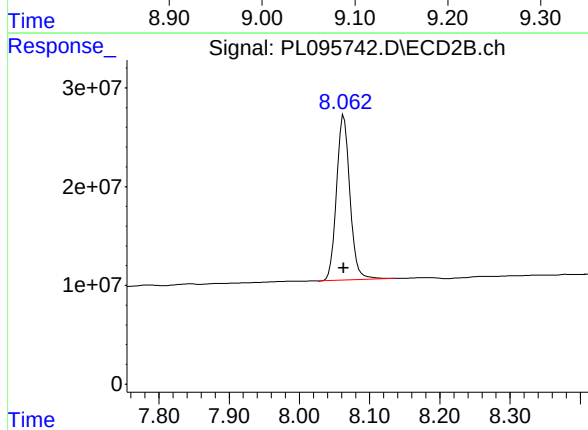
Conc: 50.00 ng/ml

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

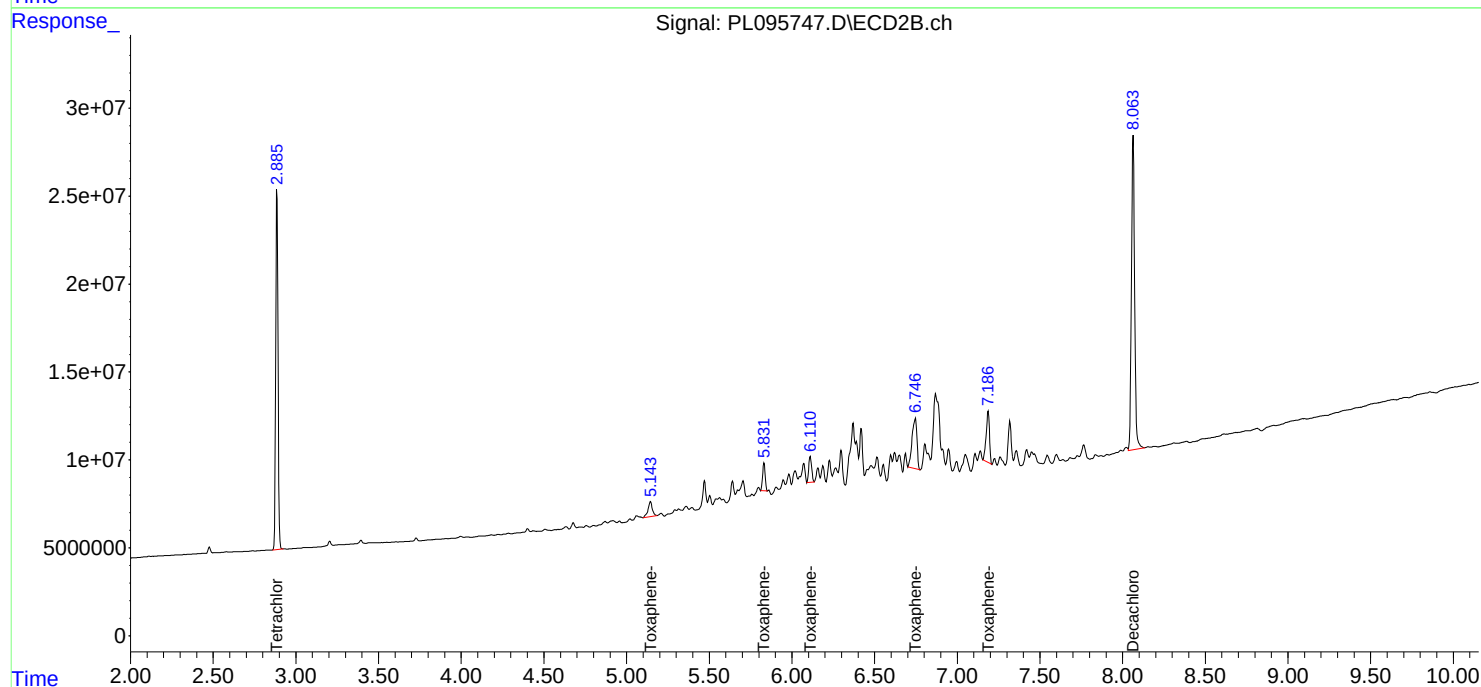
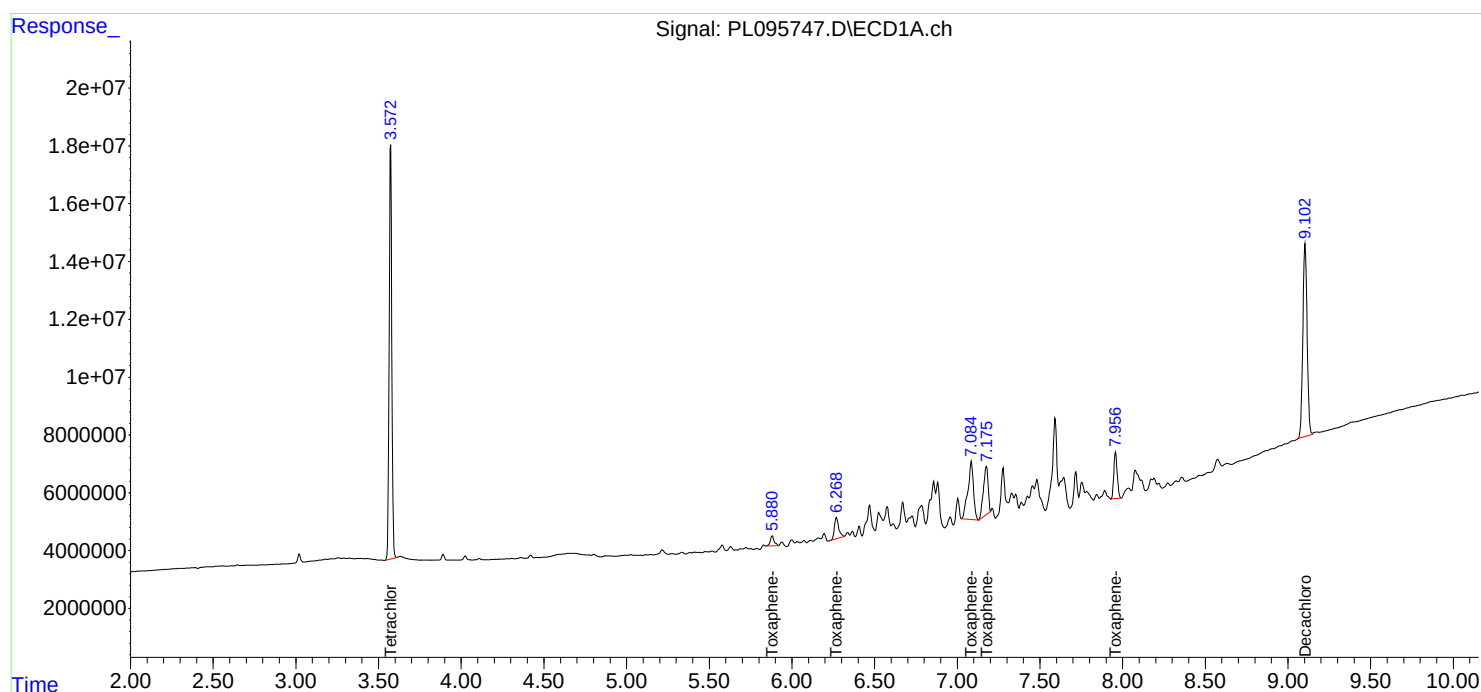
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

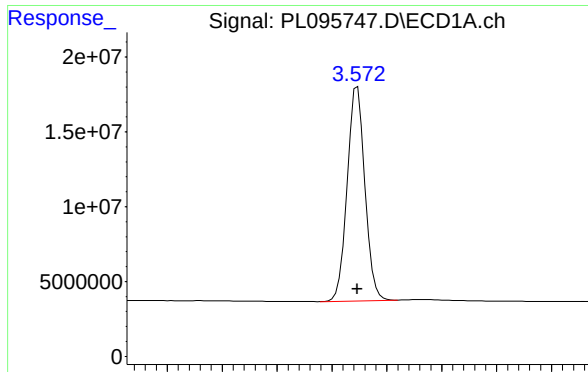
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095747.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 14:18
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

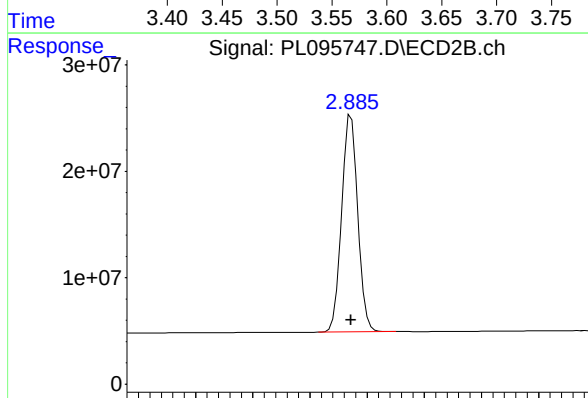




#1 Tetrachloro-m-xylene

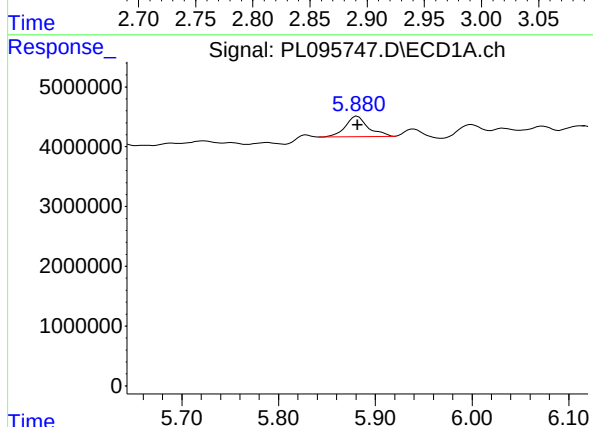
R.T.: 3.573 min
Delta R.T.: 0.000 min
Response: 160410092
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



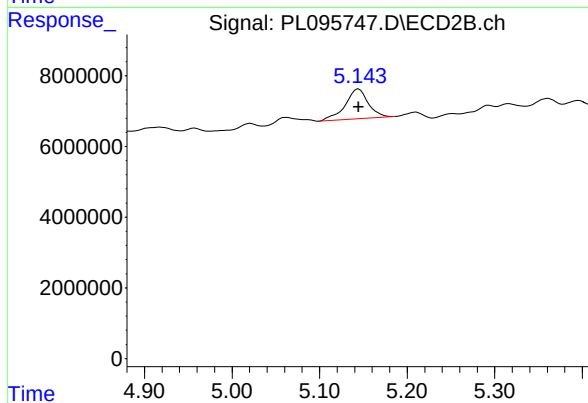
#1 Tetrachloro-m-xylene

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



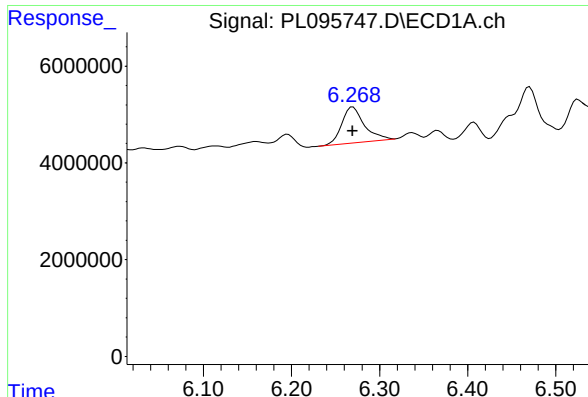
#2 Toxaphene-1

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



#2 Toxaphene-1

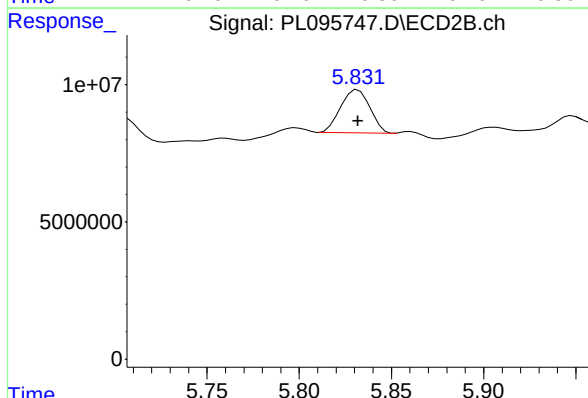
R.T.: 5.145 min
Delta R.T.: 0.000 min
Response: 15382494
Conc: 500.00 ng/ml



#3 Toxaphene-2

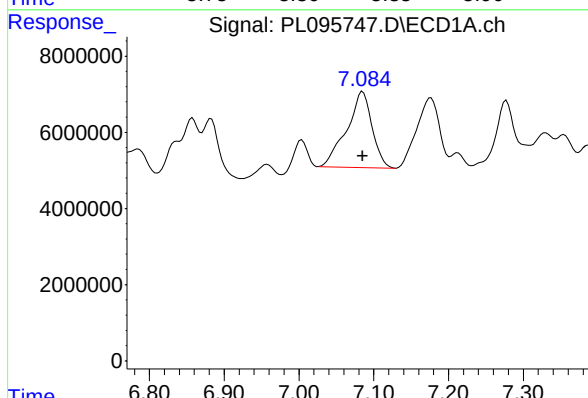
R.T.: 6.270 min
Delta R.T.: 0.000 min
Response: 13278890
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



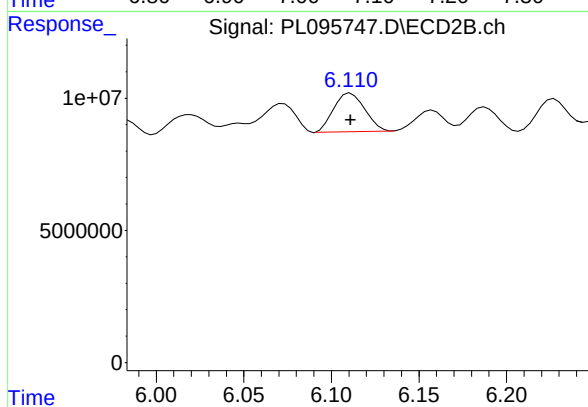
#3 Toxaphene-2

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



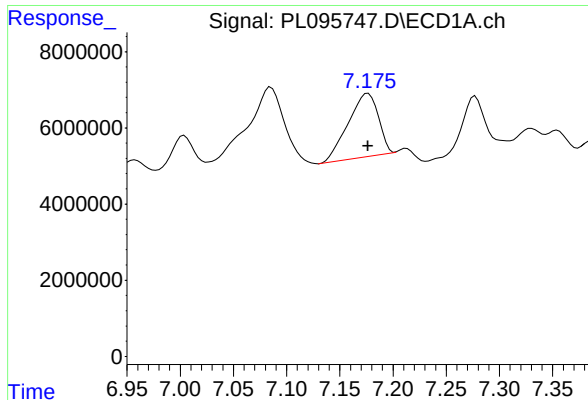
#4 Toxaphene-3

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



#4 Toxaphene-3

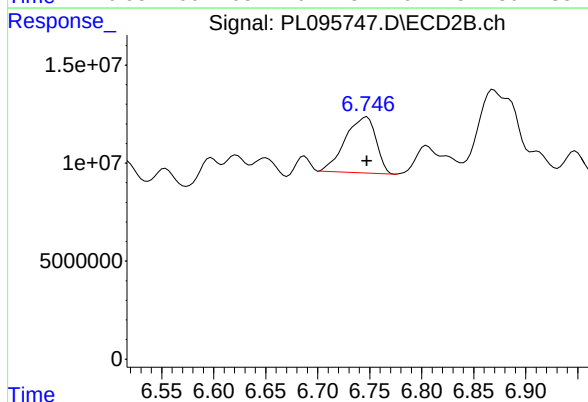
R.T.: 6.111 min
Delta R.T.: 0.000 min
Response: 18035582
Conc: 500.00 ng/ml



#5 Toxaphene-4

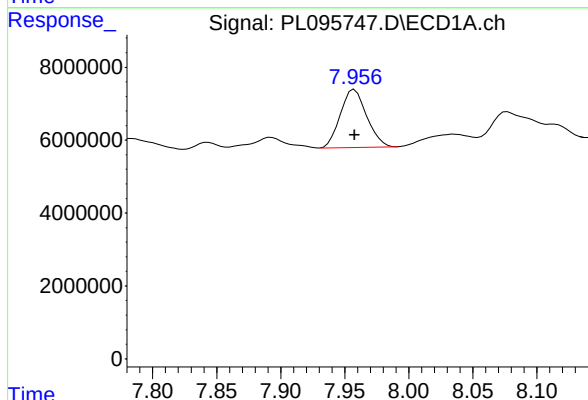
R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 32772322
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



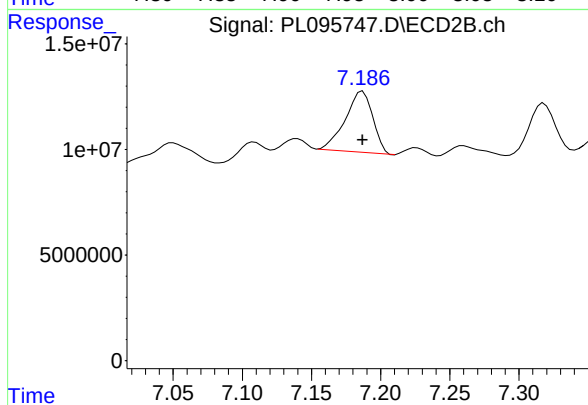
#5 Toxaphene-4

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



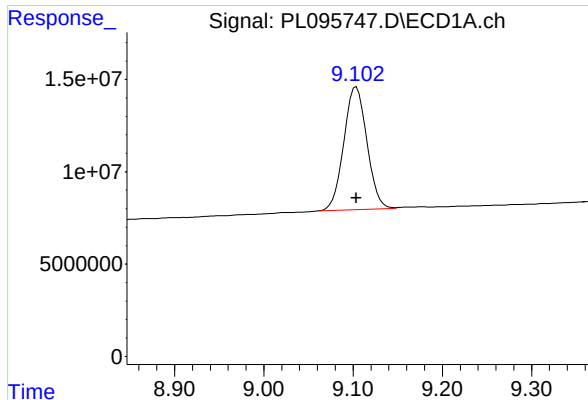
#6 Toxaphene-5

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



#6 Toxaphene-5

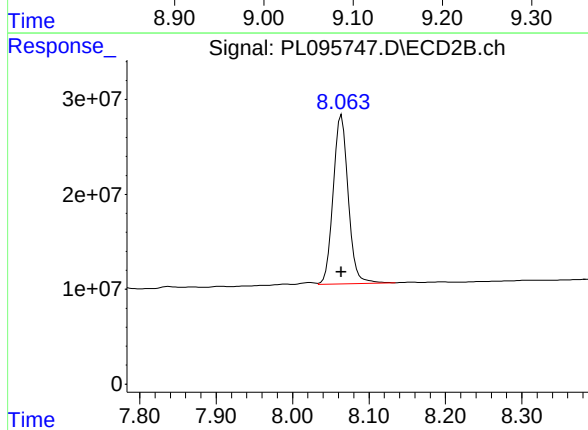
R.T.: 7.187 min
Delta R.T.: 0.000 min
Response: 40118304
Conc: 500.00 ng/ml



#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

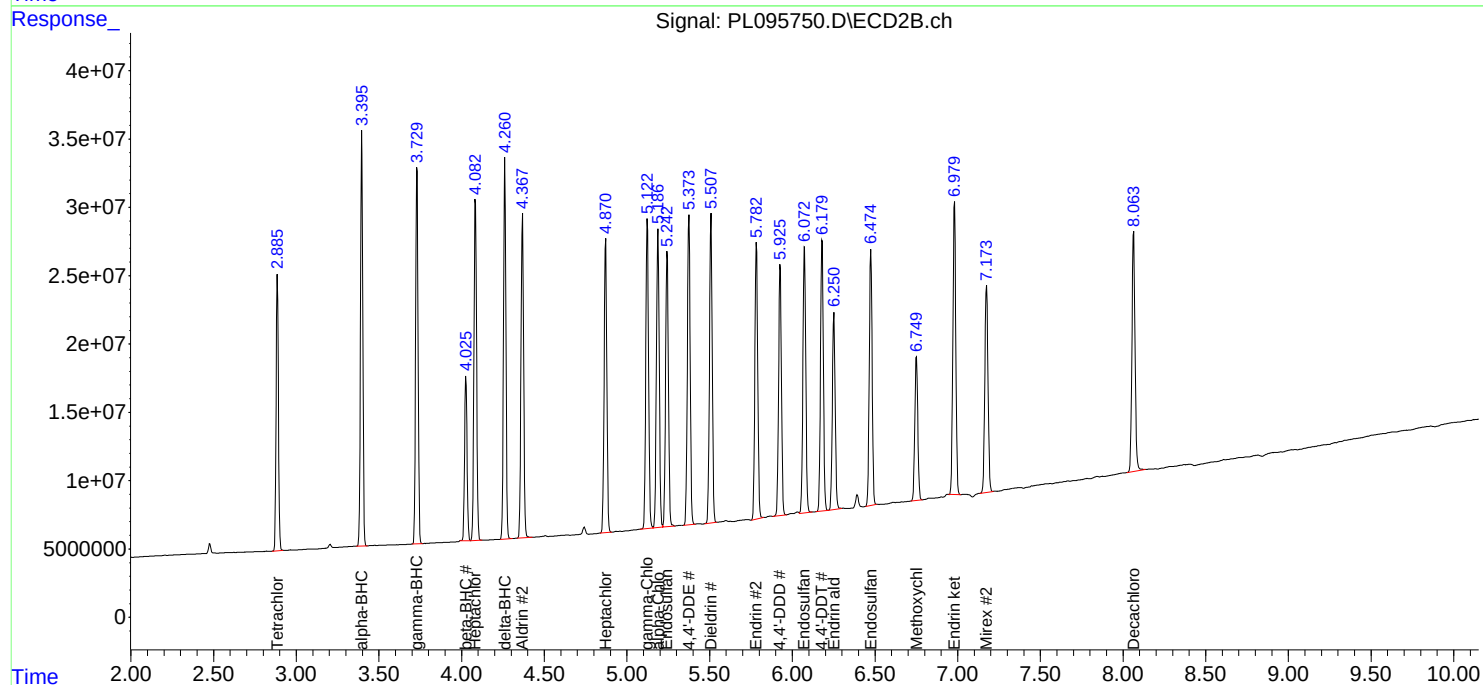
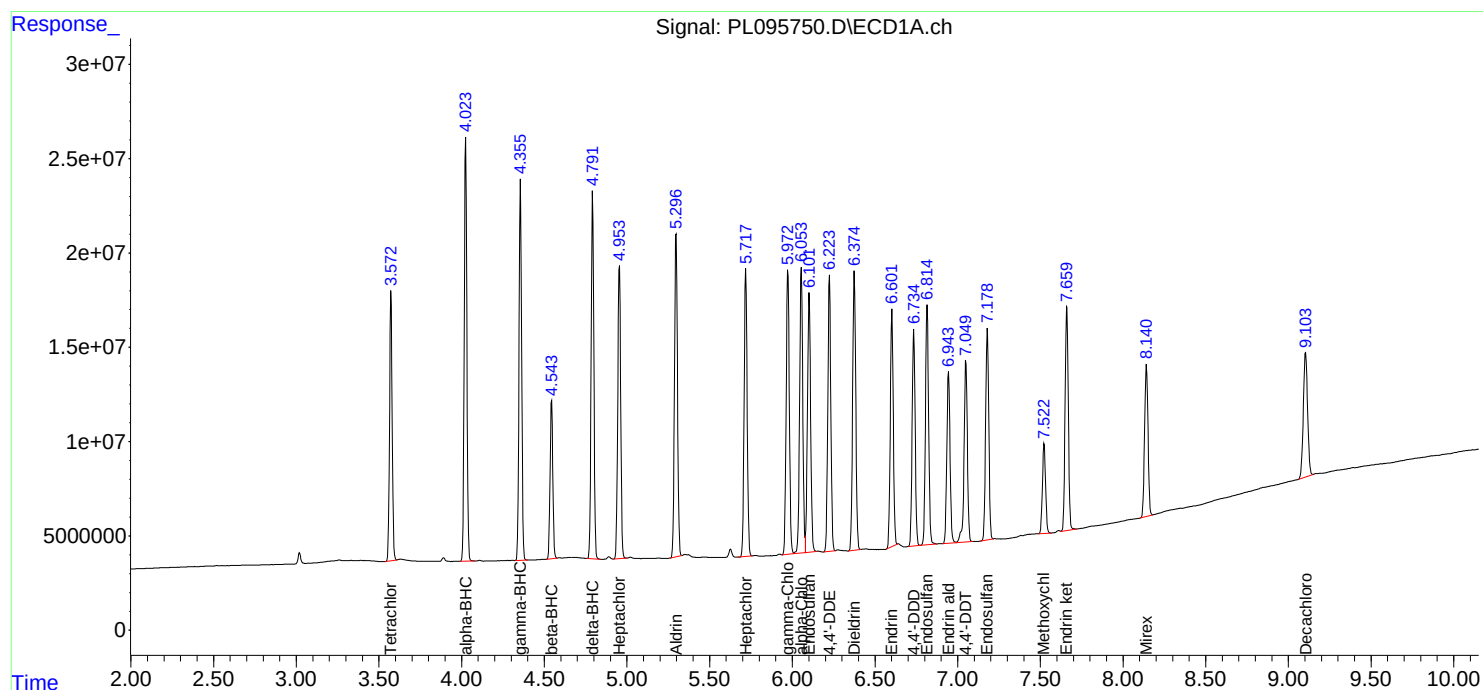
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

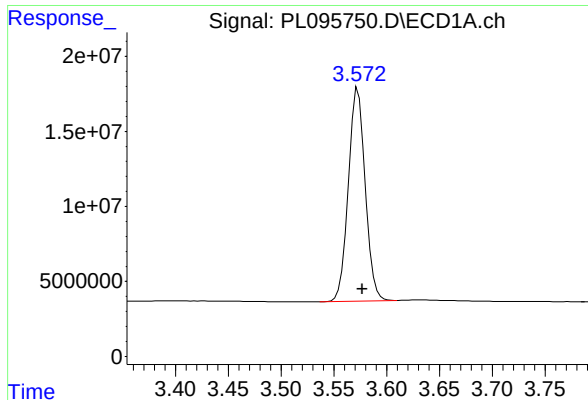
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095750.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 14:58
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

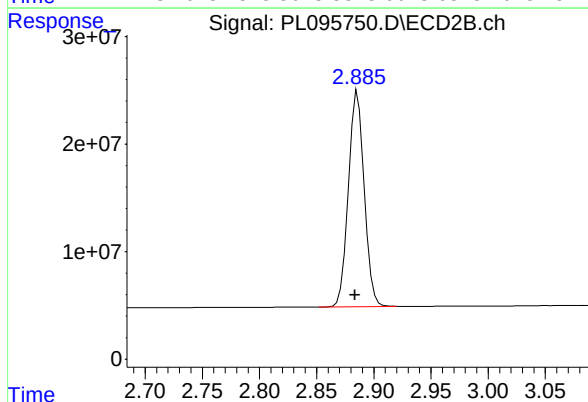




#1 Tetrachloro-m-xylene

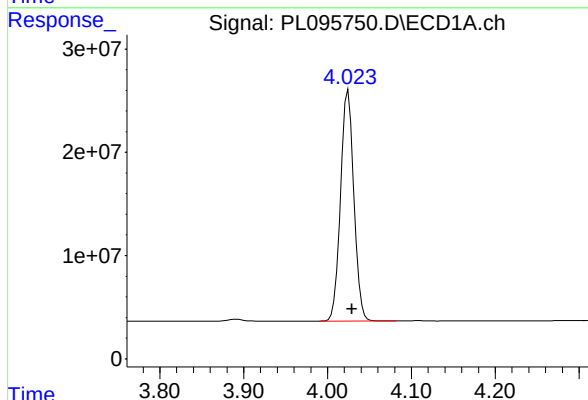
R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 157756772
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



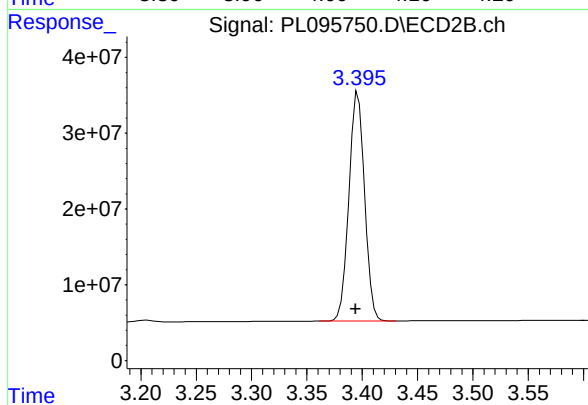
#1 Tetrachloro-m-xylene

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



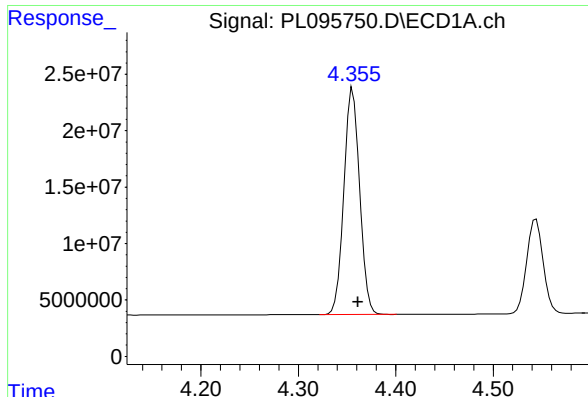
#2 alpha-BHC

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



#2 alpha-BHC

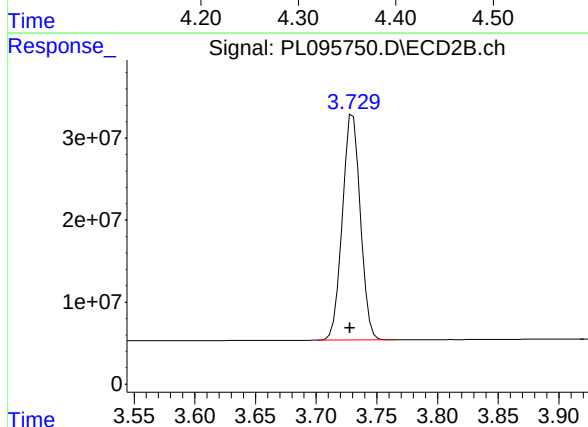
R.T.: 3.396 min
Delta R.T.: 0.002 min
Response: 298245661
Conc: 50.92 ng/ml



#3 gamma-BHC (Lindane)

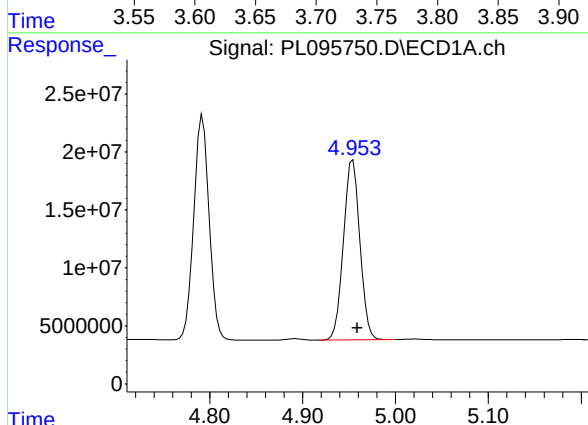
R.T.: 4.356 min
Delta R.T.: -0.005 min
Response: 225541866
Conc: 50.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



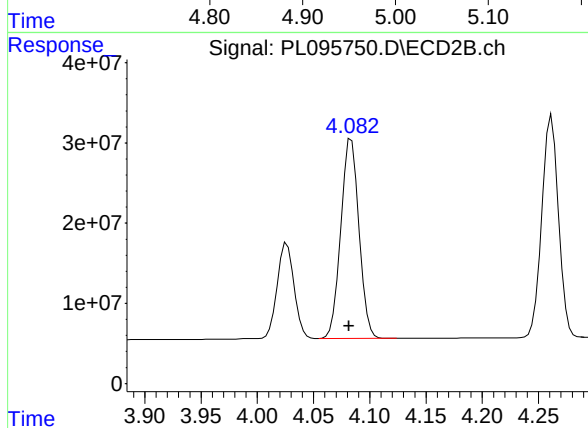
#3 gamma-BHC (Lindane)

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



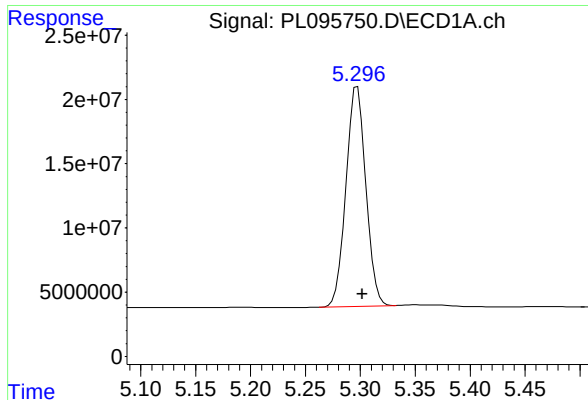
#4 Heptachlor

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



#4 Heptachlor

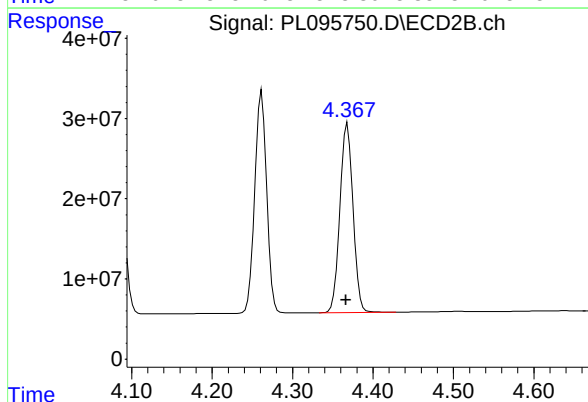
R.T.: 4.084 min
Delta R.T.: 0.002 min
Response: 280397570
Conc: 49.99 ng/ml



#5 Aldrin

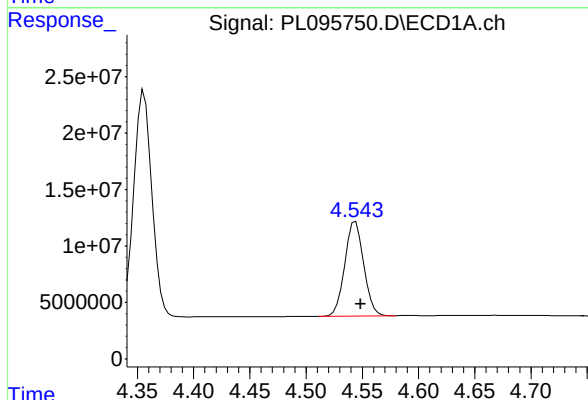
R.T.: 5.297 min
Delta R.T.: -0.005 min
Response: 215720453
Conc: 50.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



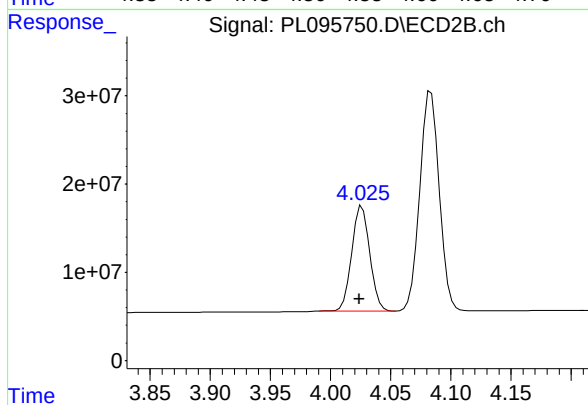
#5 Aldrin

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



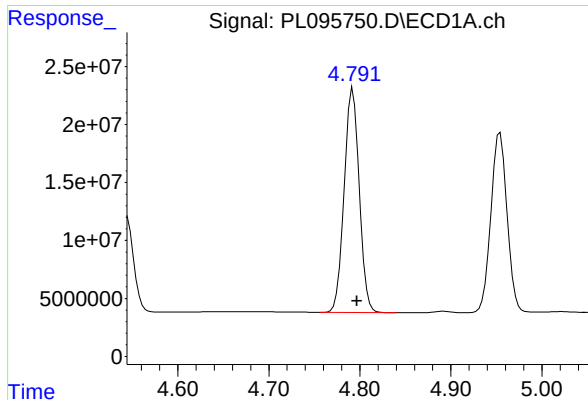
#6 beta-BHC

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



#6 beta-BHC

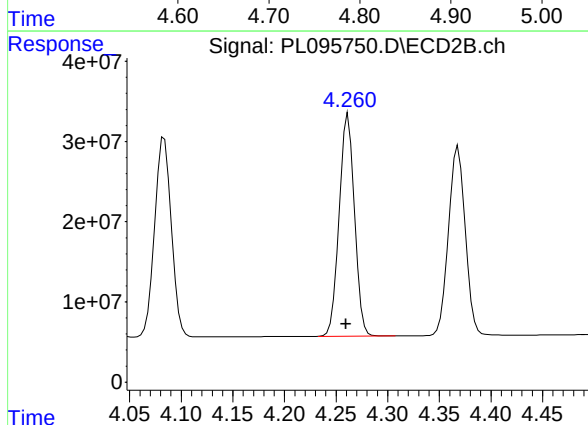
R.T.: 4.026 min
Delta R.T.: 0.002 min
Response: 124195015
Conc: 50.13 ng/ml



#7 delta-BHC

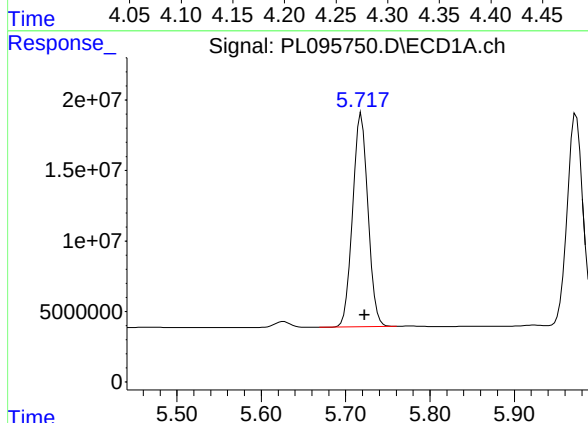
R.T.: 4.792 min
Delta R.T.: -0.004 min
Response: 223288553
Conc: 50.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



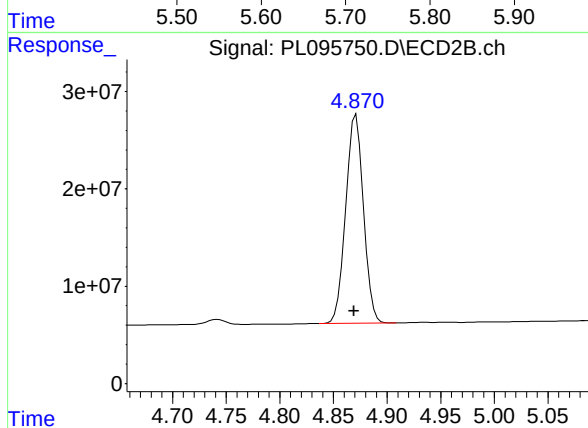
#7 delta-BHC

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



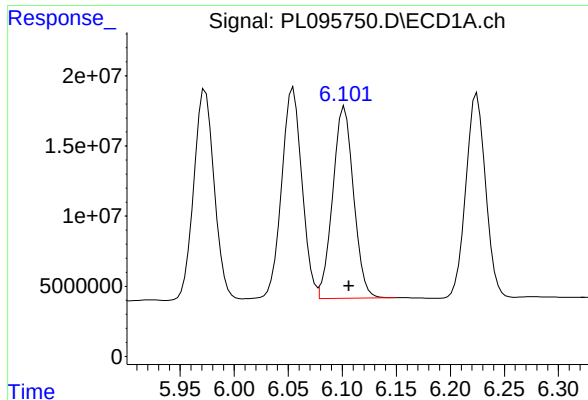
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

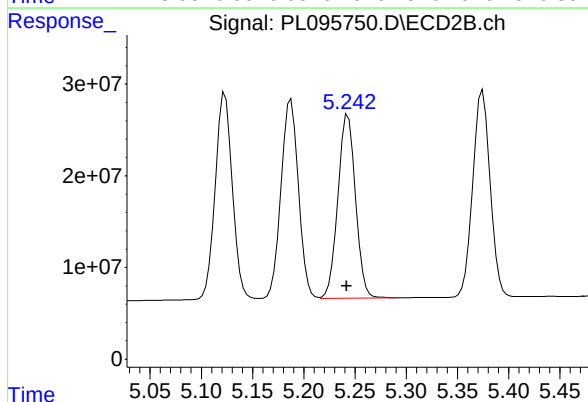
R.T.: 4.871 min
Delta R.T.: 0.002 min
Response: 246960921
Conc: 50.02 ng/ml



#9 Endosulfan I

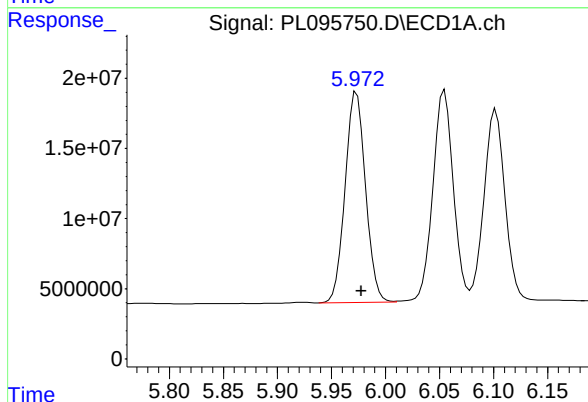
R.T.: 6.102 min
Delta R.T.: -0.004 min
Response: 183609436
Conc: 50.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



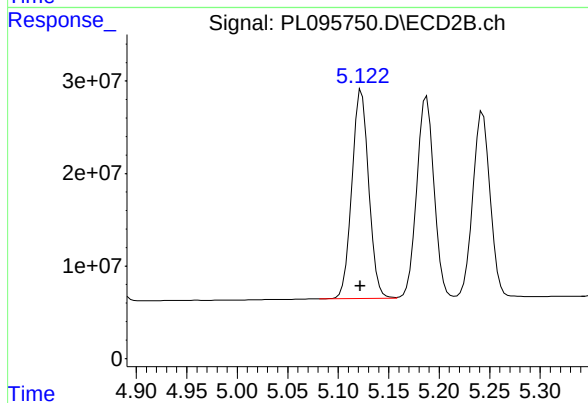
#9 Endosulfan I

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



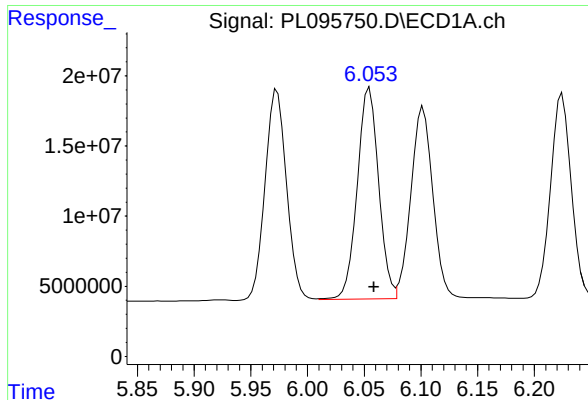
#10 gamma-Chlordane

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



#10 gamma-Chlordane

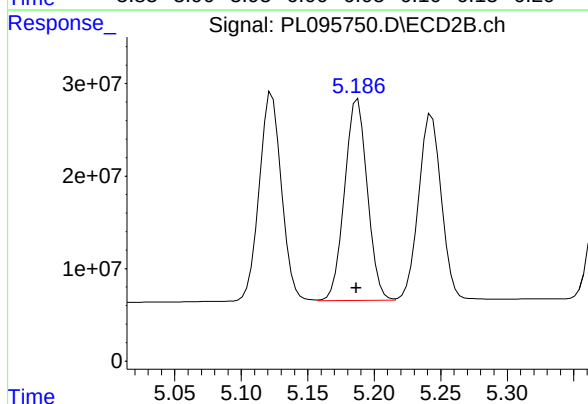
R.T.: 5.123 min
Delta R.T.: 0.001 min
Response: 262049247
Conc: 49.89 ng/ml



#11 alpha-Chlordane

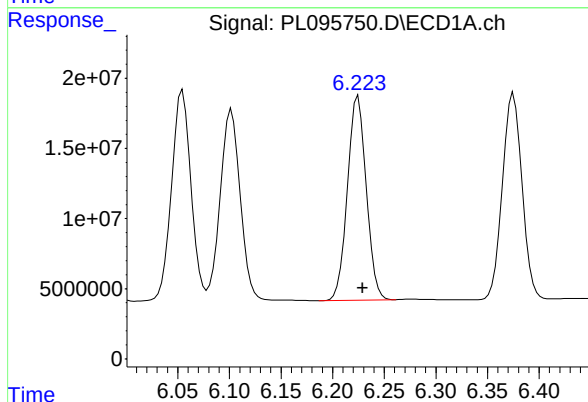
R.T.: 6.055 min
Delta R.T.: -0.004 min
Response: 198113802
Conc: 50.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



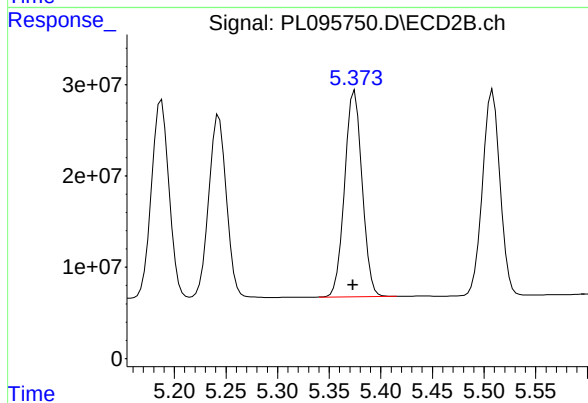
#11 alpha-Chlordane

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



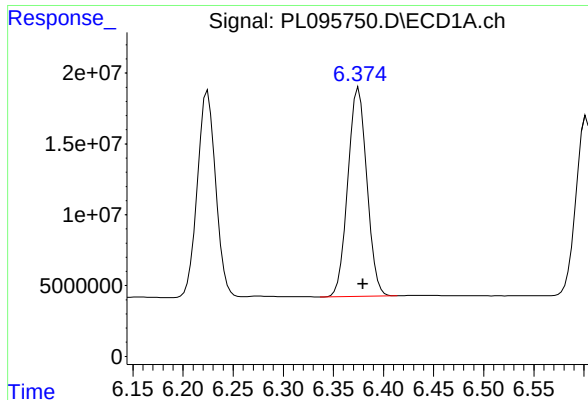
#12 4,4'-DDE

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



#12 4,4'-DDE

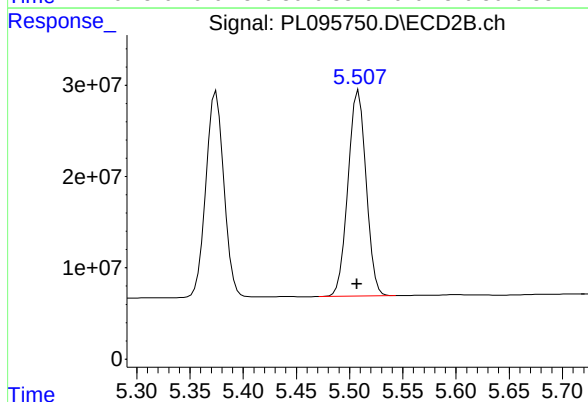
R.T.: 5.375 min
Delta R.T.: 0.002 min
Response: 266298838
Conc: 49.66 ng/ml



#13 Dieldrin

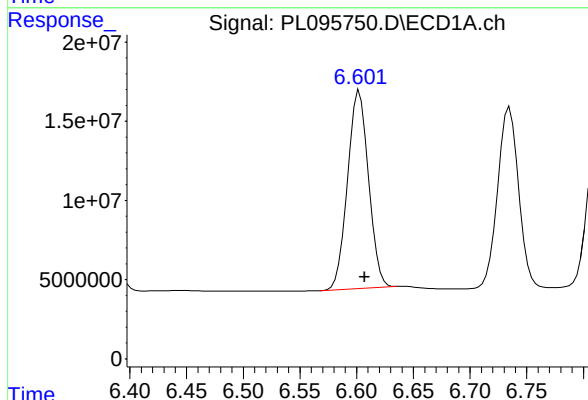
R.T.: 6.375 min
Delta R.T.: -0.004 min
Response: 194545517
Conc: 50.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



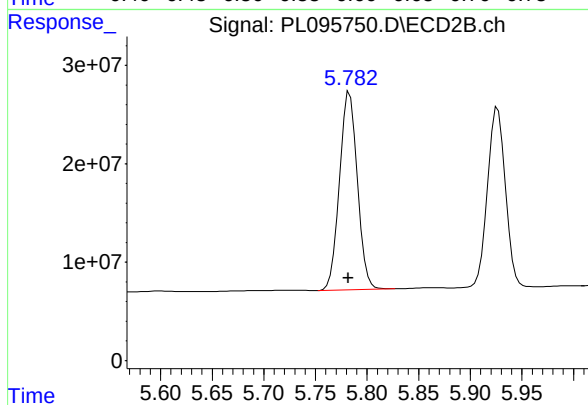
#13 Dieldrin

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



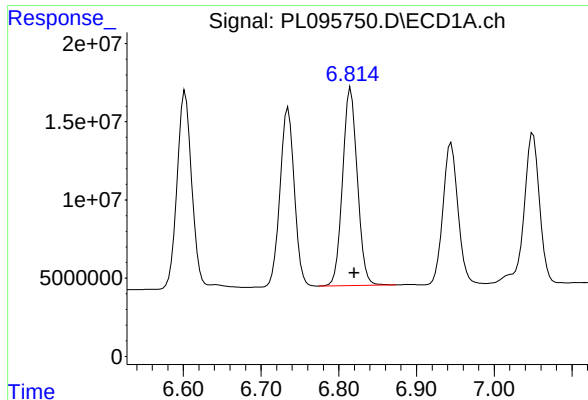
#14 Endrin

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



#14 Endrin

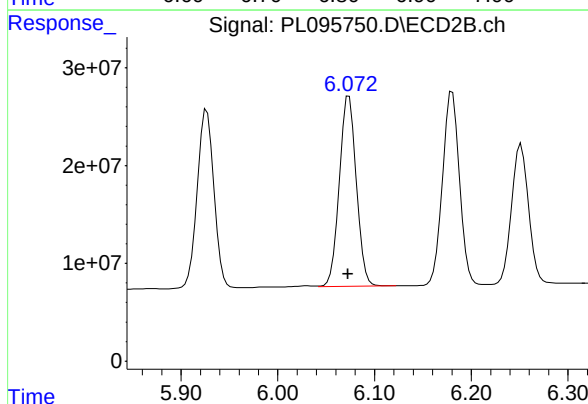
R.T.: 5.783 min
Delta R.T.: 0.001 min
Response: 242413206
Conc: 49.71 ng/ml



#15 Endosulfan II

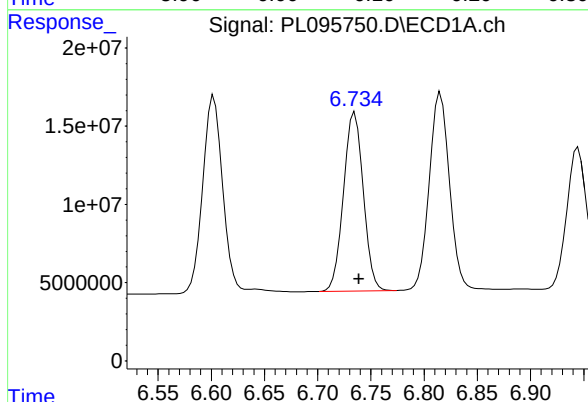
R.T.: 6.816 min
Delta R.T.: -0.004 min
Response: 166474646
Conc: 48.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



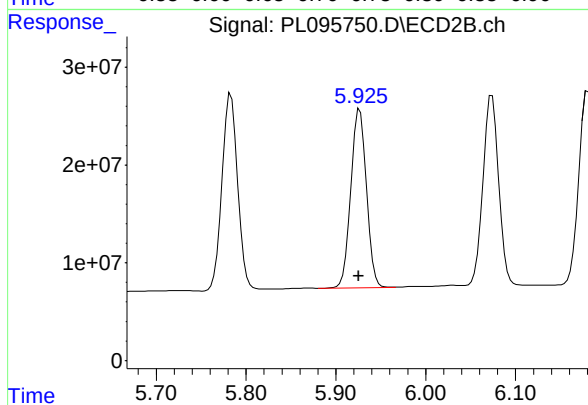
#15 Endosulfan II

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



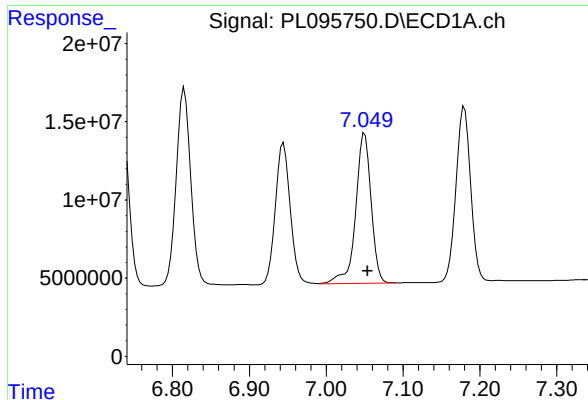
#16 4,4'-DDD

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



#16 4,4'-DDD

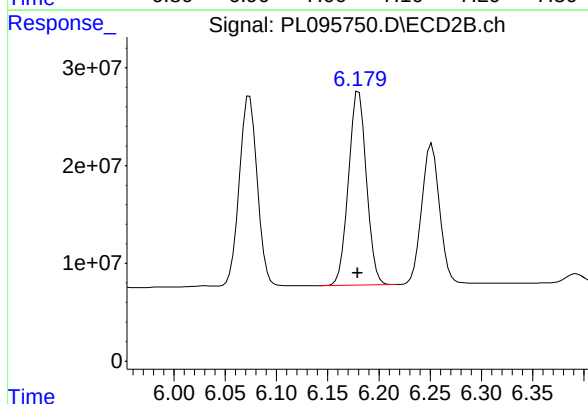
R.T.: 5.927 min
Delta R.T.: 0.001 min
Response: 220794386
Conc: 50.35 ng/ml



#17 4,4'-DDT

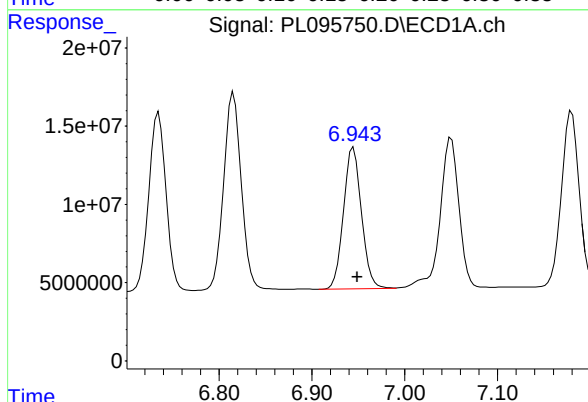
R.T.: 7.050 min
Delta R.T.: -0.004 min
Response: 133918313
Conc: 49.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



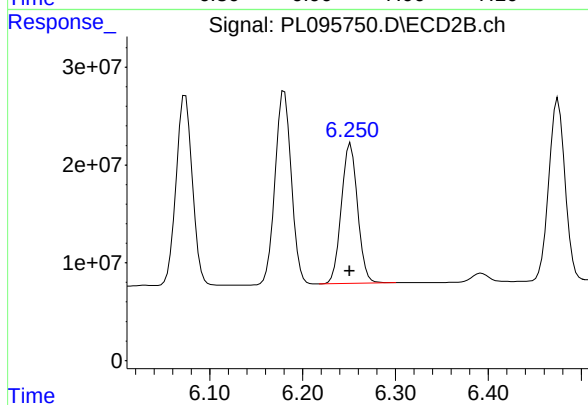
#17 4,4'-DDT

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



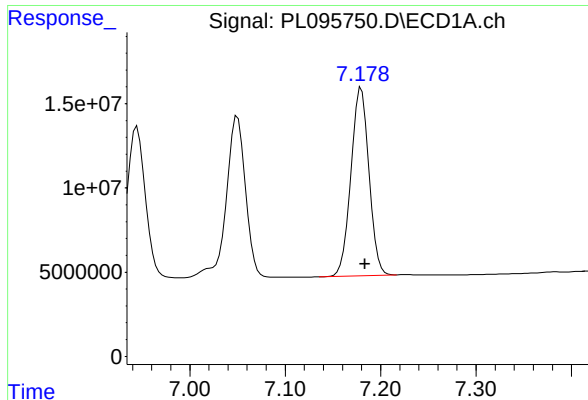
#18 Endrin aldehyde

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



#18 Endrin aldehyde

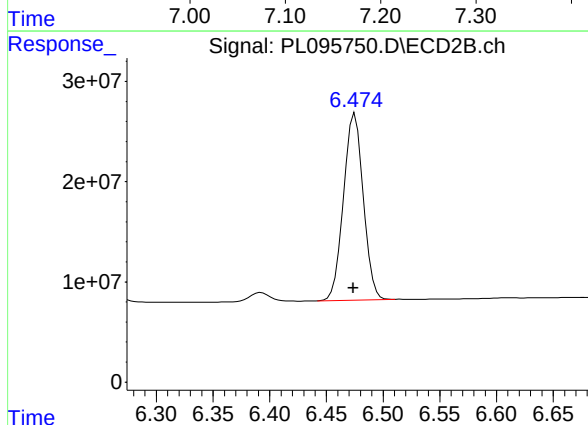
R.T.: 6.252 min
Delta R.T.: 0.001 min
Response: 173931069
Conc: 50.35 ng/ml



#19 Endosulfan Sulfate

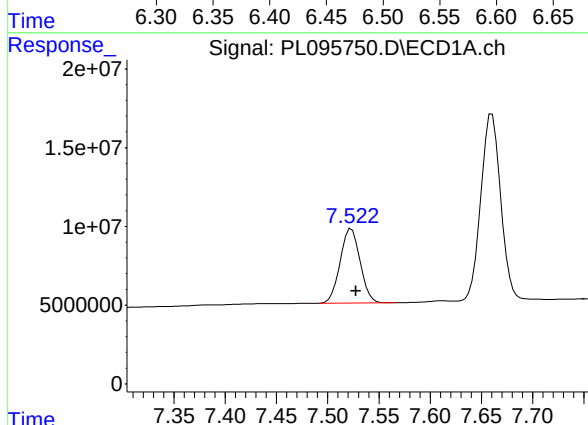
R.T.: 7.180 min
Delta R.T.: -0.004 min
Response: 147796520
Conc: 49.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



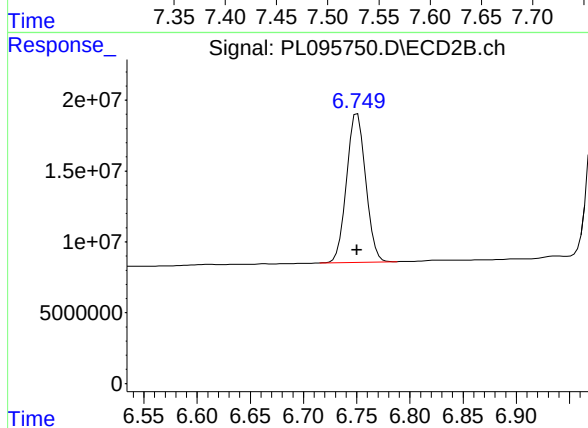
#19 Endosulfan Sulfate

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



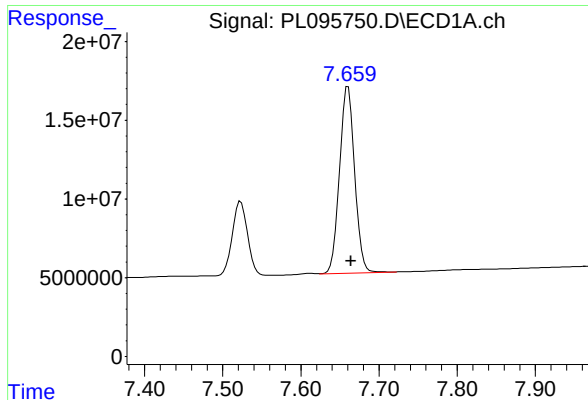
#20 Methoxychlor

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



#20 Methoxychlor

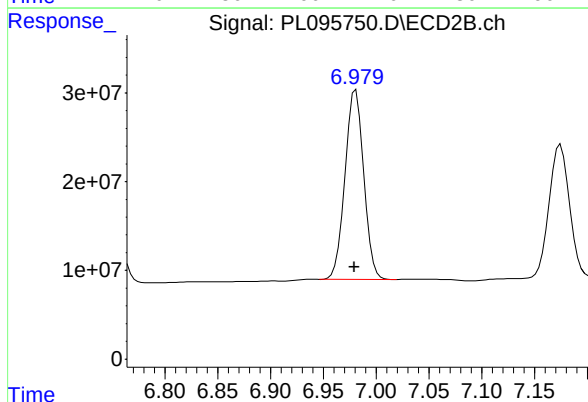
R.T.: 6.751 min
Delta R.T.: 0.000 min
Response: 130438737
Conc: 49.86 ng/ml



#21 Endrin ketone

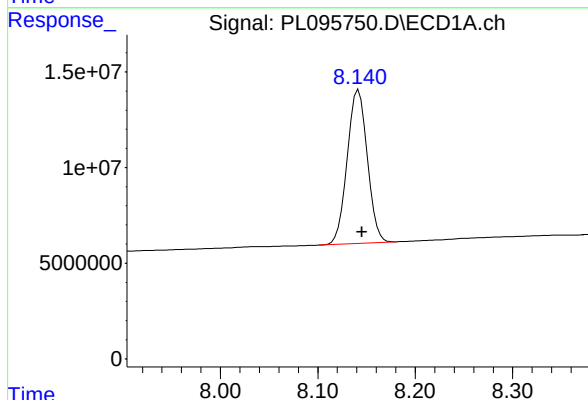
R.T.: 7.660 min
Delta R.T.: -0.004 min
Response: 160056271
Conc: 50.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125



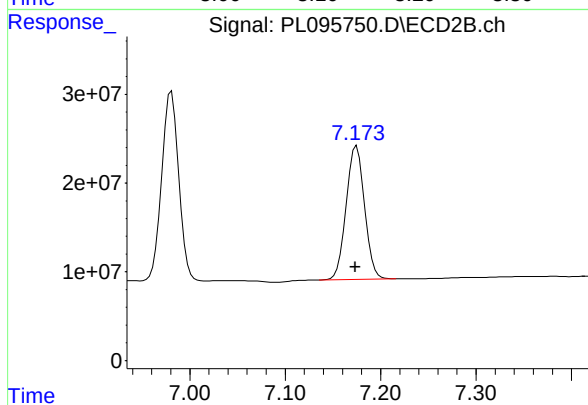
#21 Endrin ketone

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



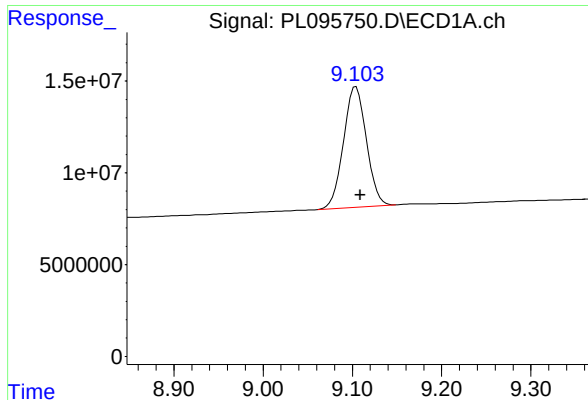
#22 Mirex

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



#22 Mirex

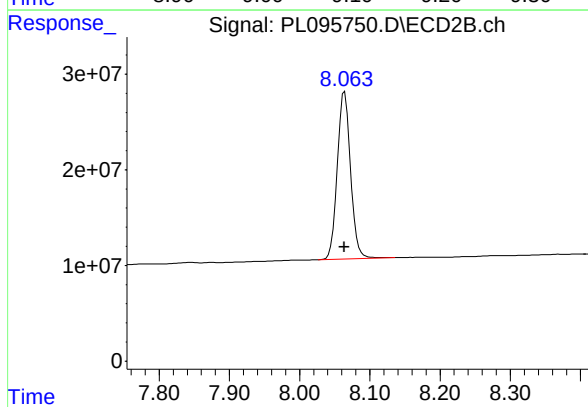
R.T.: 7.175 min
Delta R.T.: 0.001 min
Response: 202341539
Conc: 49.83 ng/ml



#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

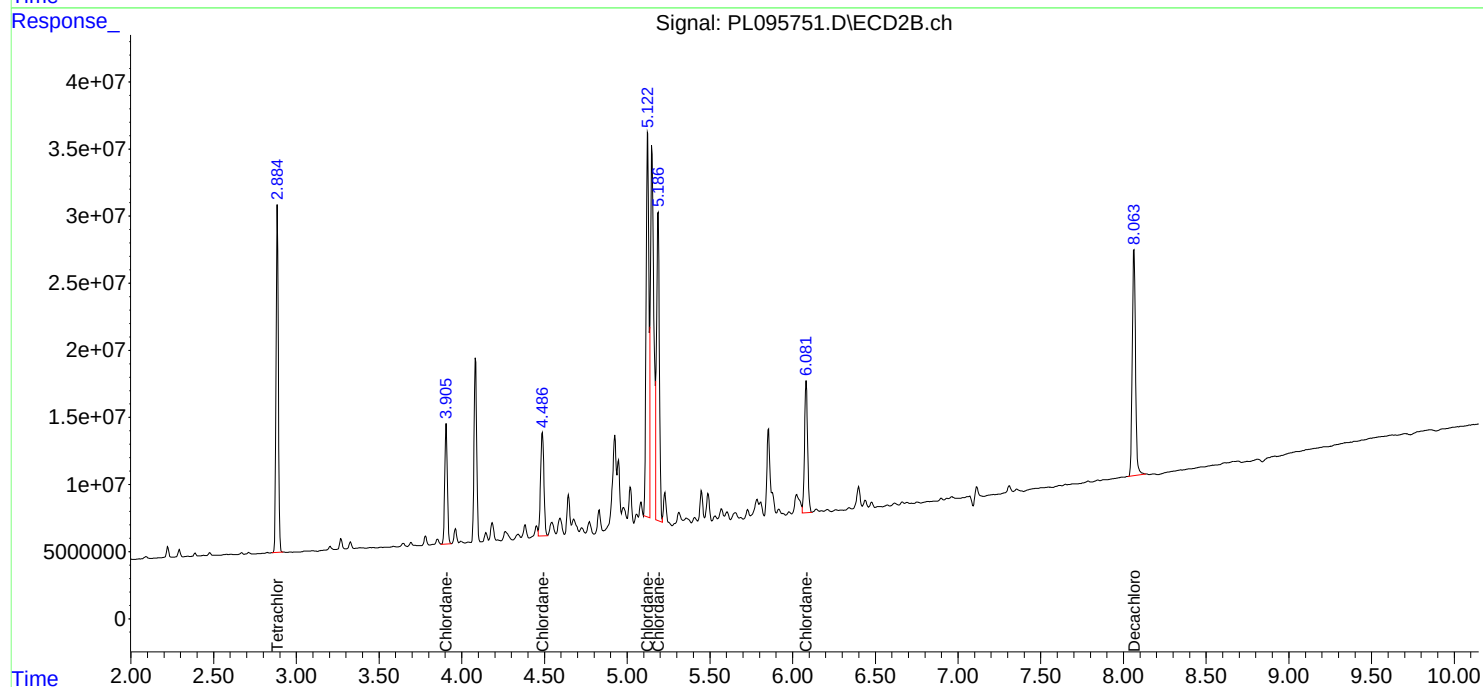
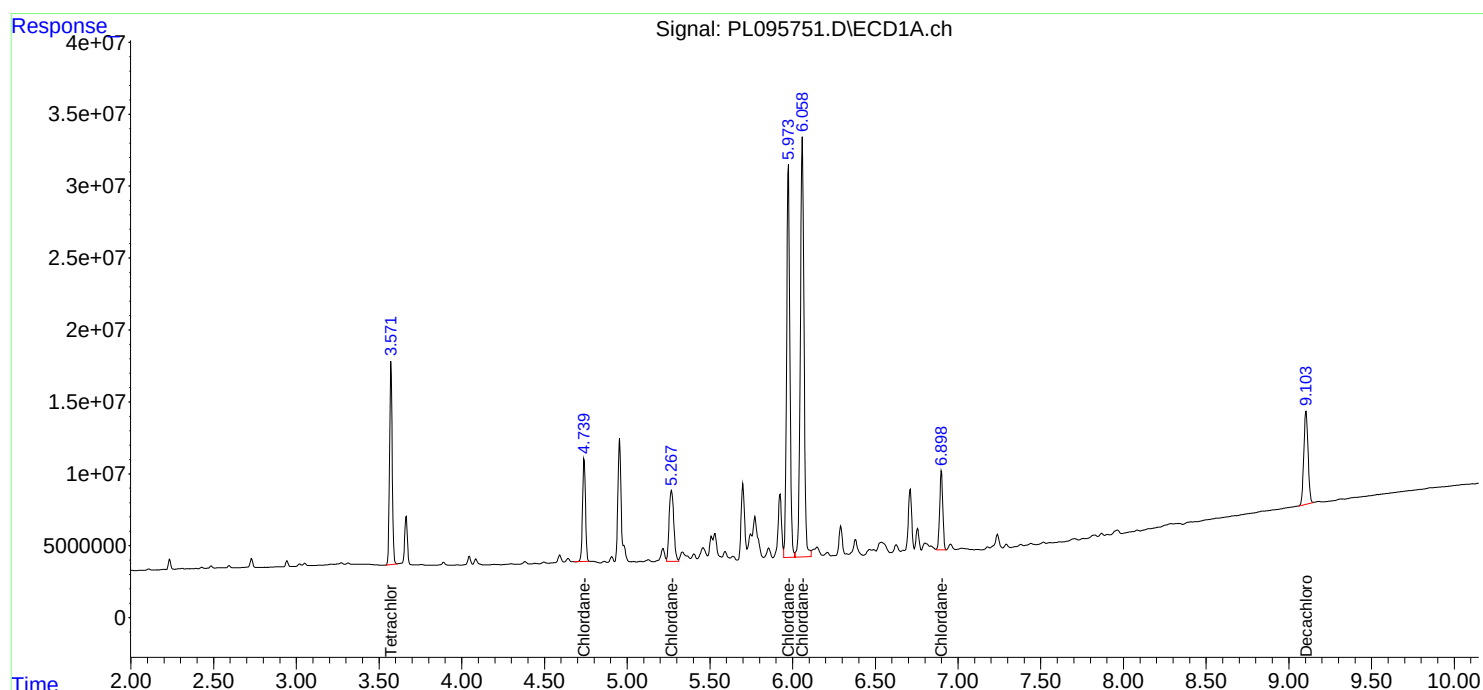
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

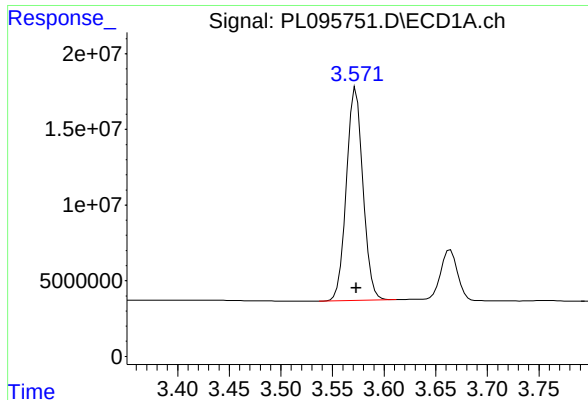
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095751.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 15:12
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

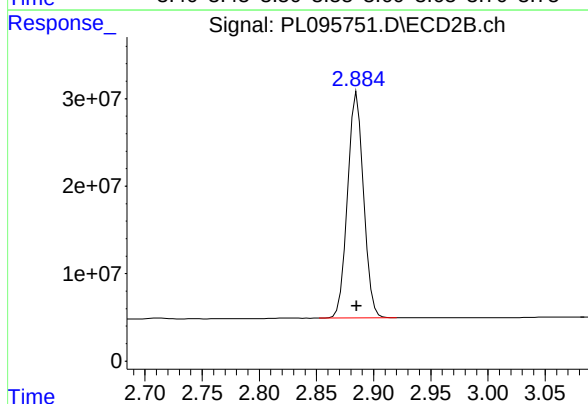




#1 Tetrachloro-m-xylene

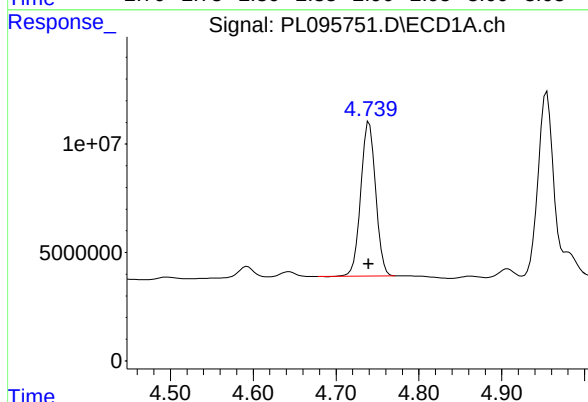
R.T.: 3.573 min
Delta R.T.: 0.000 min
Response: 156911848
Conc: 50.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125CHLOR



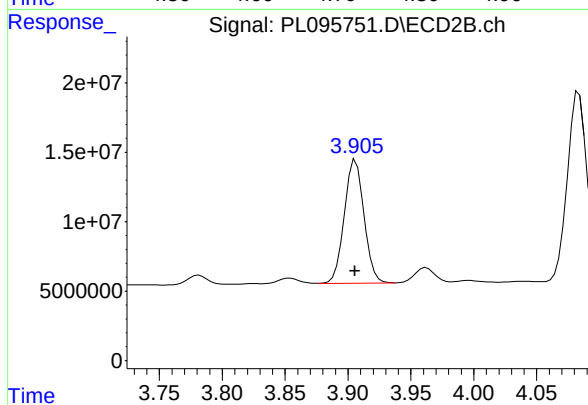
#1 Tetrachloro-m-xylene

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



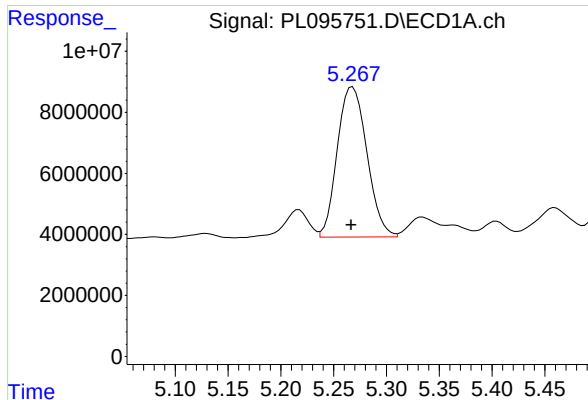
#23 Chlordane-1

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



#23 Chlordane-1

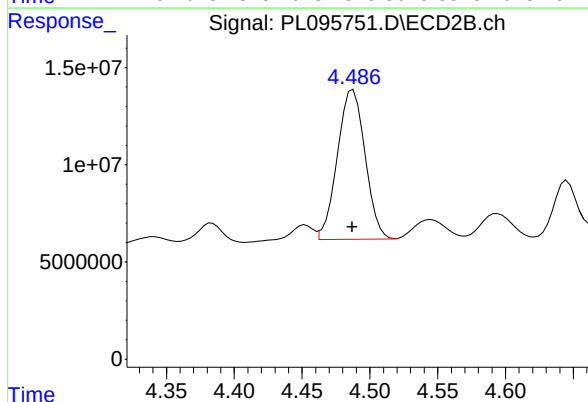
R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 96171041
Conc: 493.23 ng/ml



#24 Chlordane-2

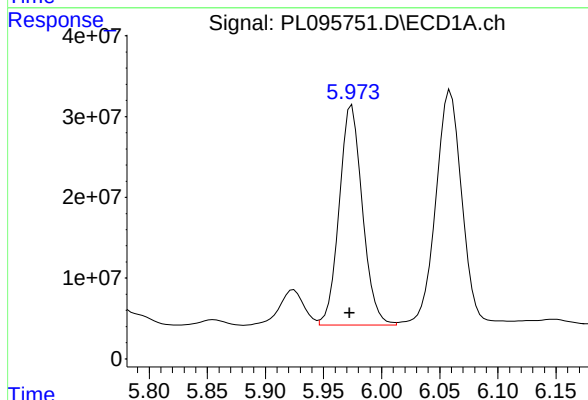
R.T.: 5.268 min
Delta R.T.: 0.001 min
Response: 96121246
Conc: 500.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125CHLOR



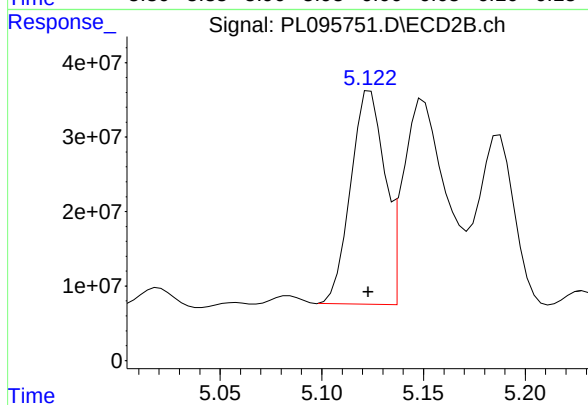
#24 Chlordane-2

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



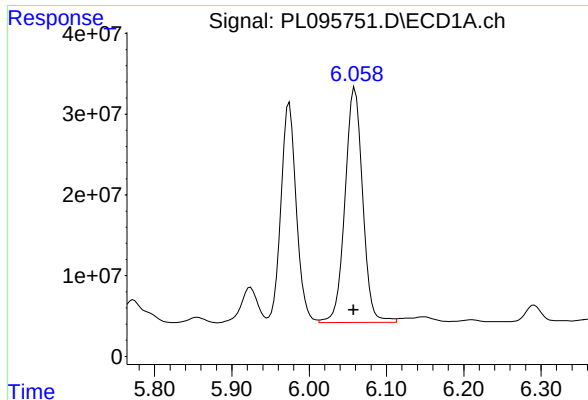
#25 Chlordane-3

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



#25 Chlordane-3

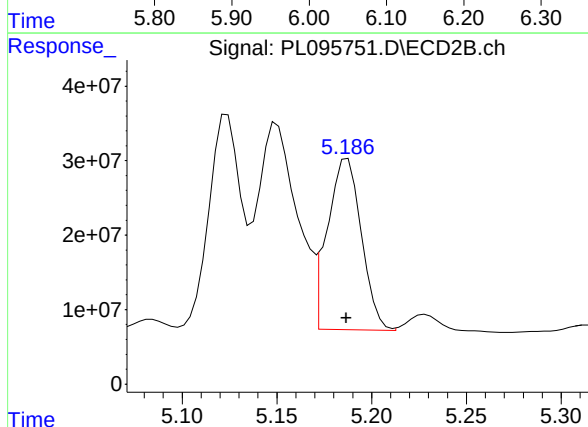
R.T.: 5.124 min
Delta R.T.: 0.000 min
Response: 331408650
Conc: 502.97 ng/ml



#26 Chlordane-4

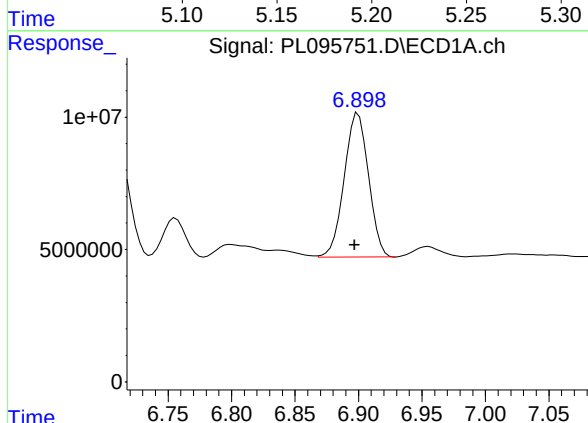
R.T.: 6.059 min
Delta R.T.: 0.002 min
Response: 457193182
Conc: 508.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125CHLOR



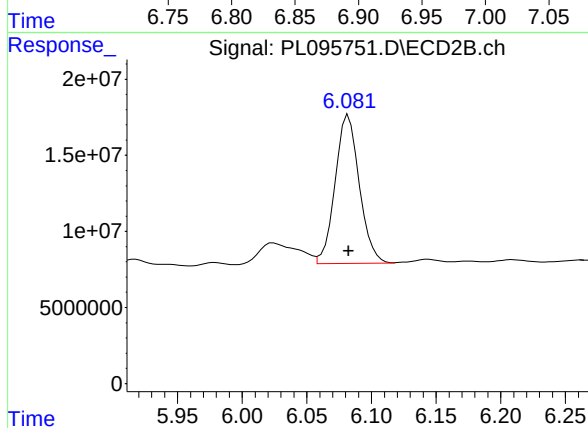
#26 Chlordane-4

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



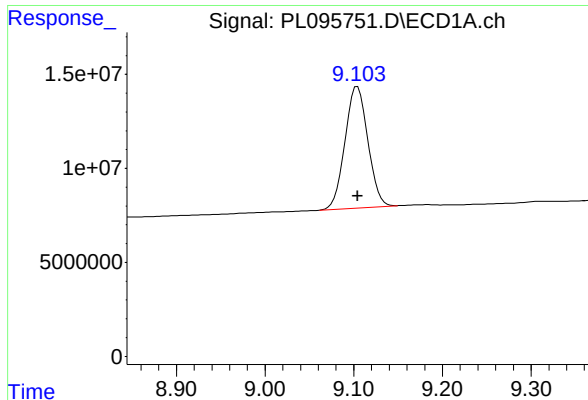
#27 Chlordane-5

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



#27 Chlordane-5

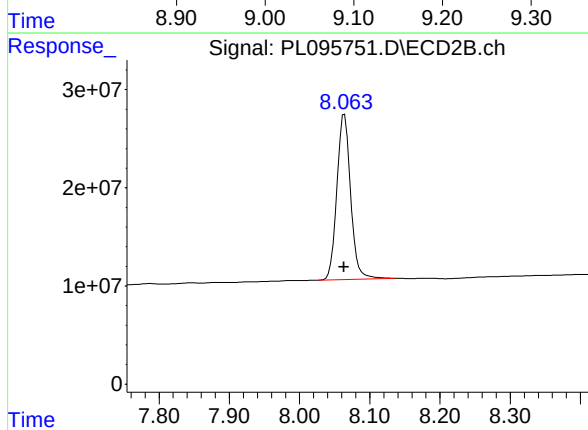
R.T.: 6.082 min
Delta R.T.: 0.000 min
Response: 126753637
Conc: 497.20 ng/ml



#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

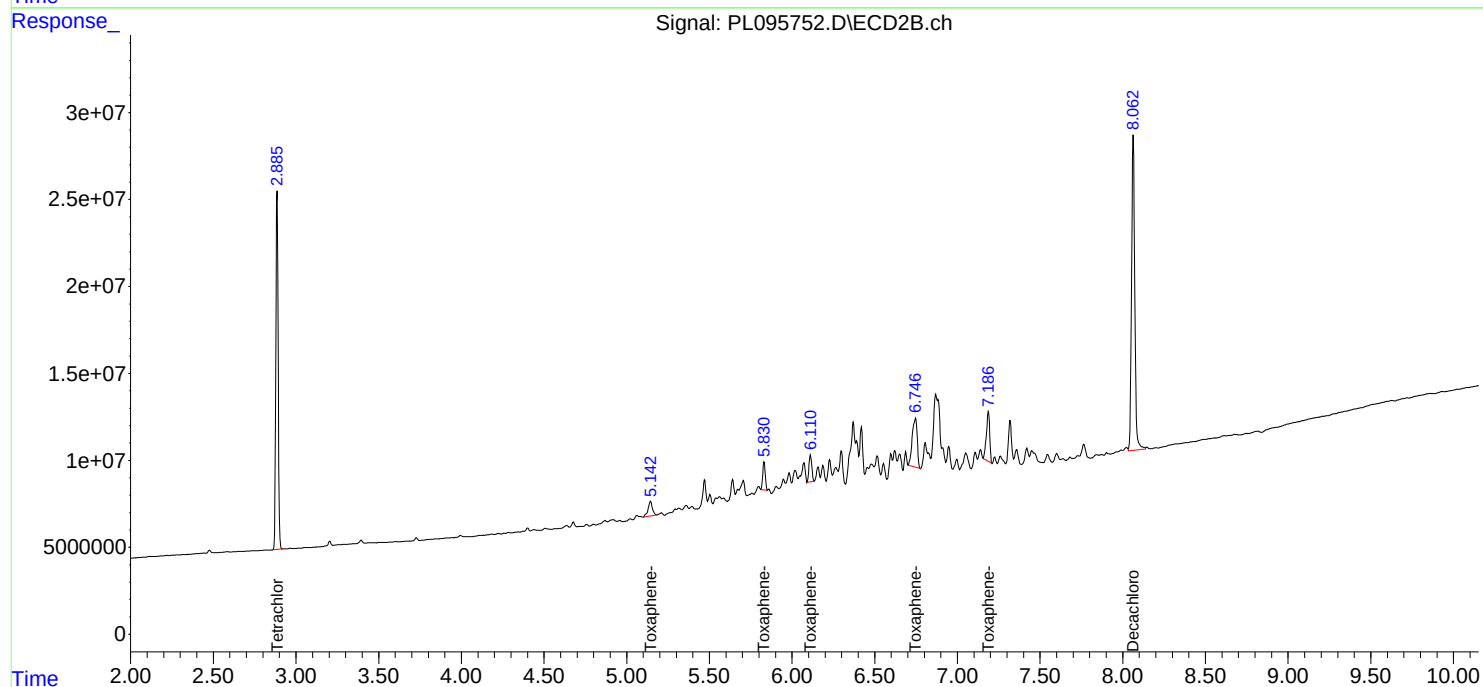
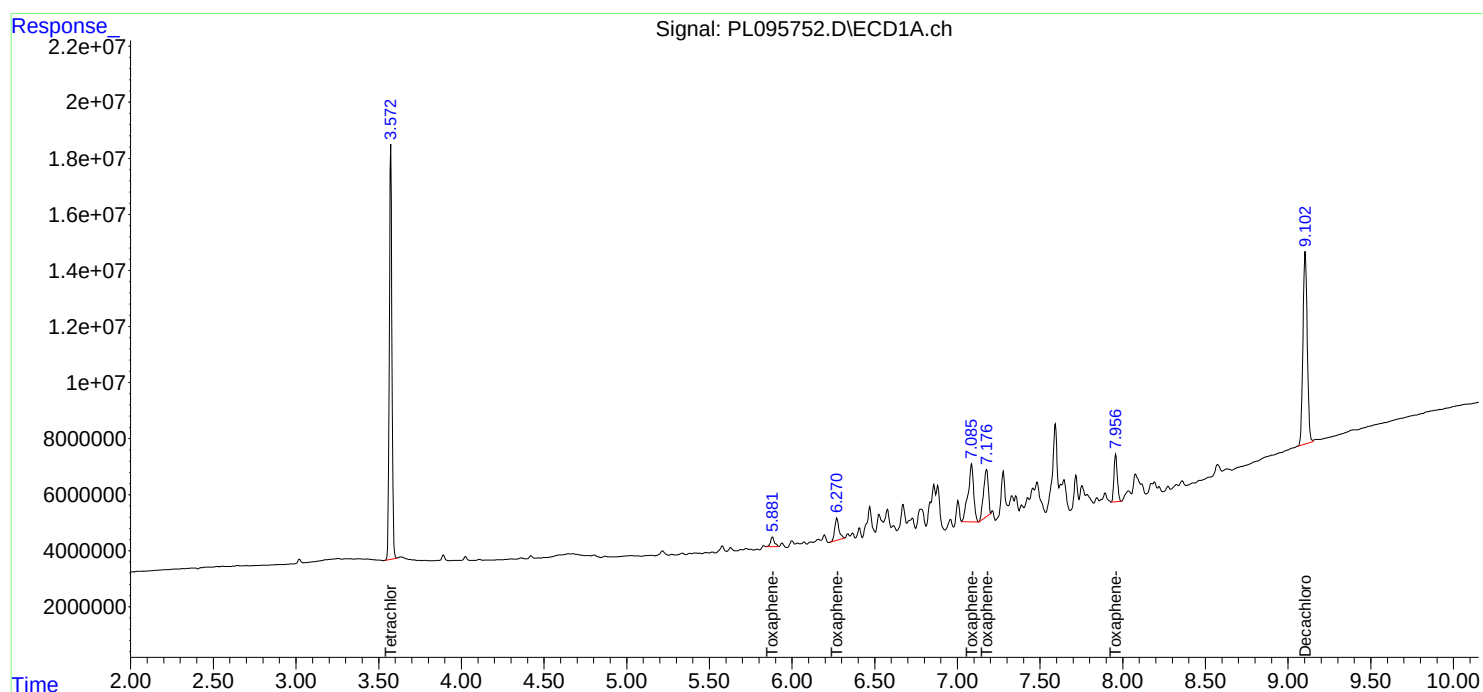
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

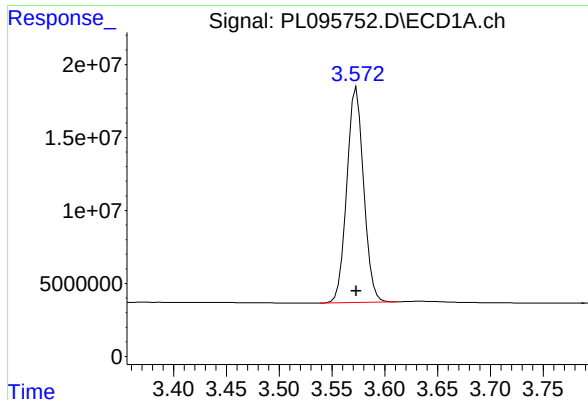
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095752.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 15:26
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

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

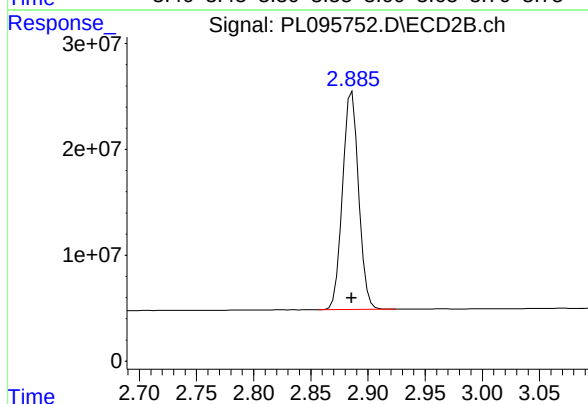




#1 Tetrachloro-m-xylene

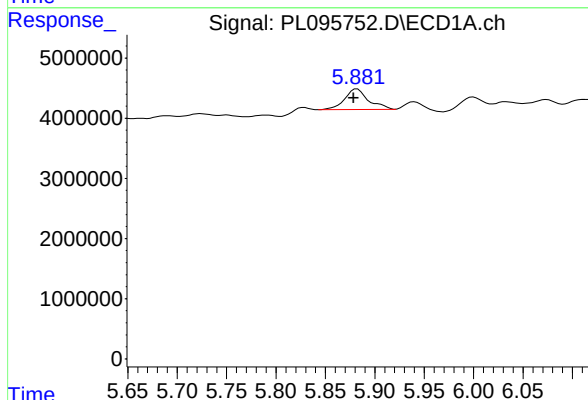
R.T.: 3.573 min
Delta R.T.: 0.000 min
Response: 163650406
Conc: 49.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125TOX



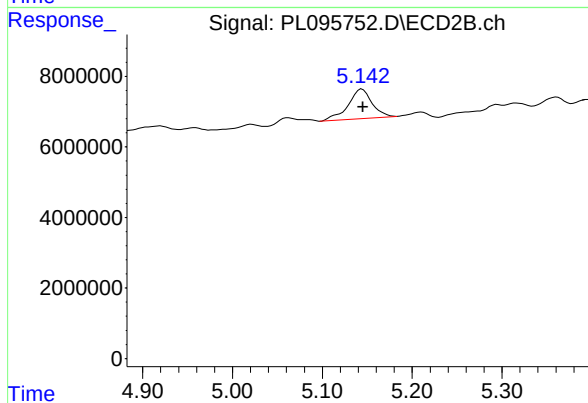
#1 Tetrachloro-m-xylene

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



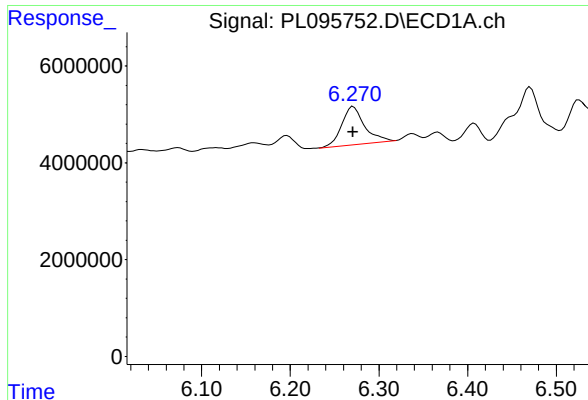
#2 Toxaphene-1

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



#2 Toxaphene-1

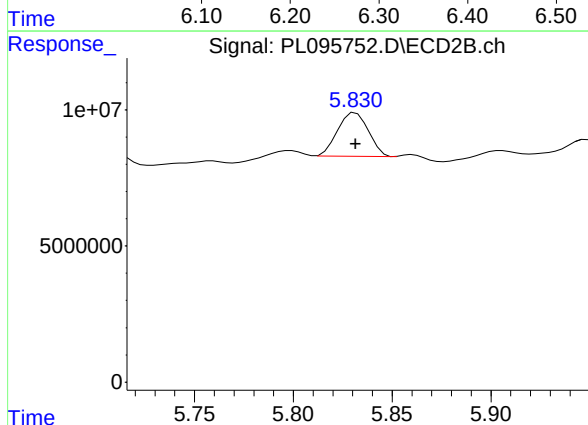
R.T.: 5.144 min
Delta R.T.: 0.000 min
Response: 15408948
Conc: 517.65 ng/ml



#3 Toxaphene-2

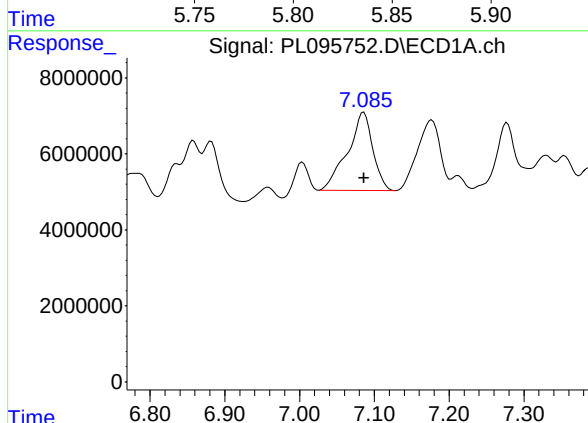
R.T.: 6.271 min
Delta R.T.: 0.000 min
Response: 14155370
Conc: 513.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125TOX



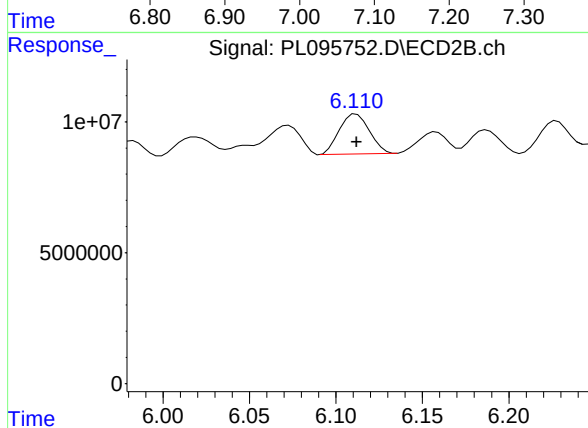
#3 Toxaphene-2

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



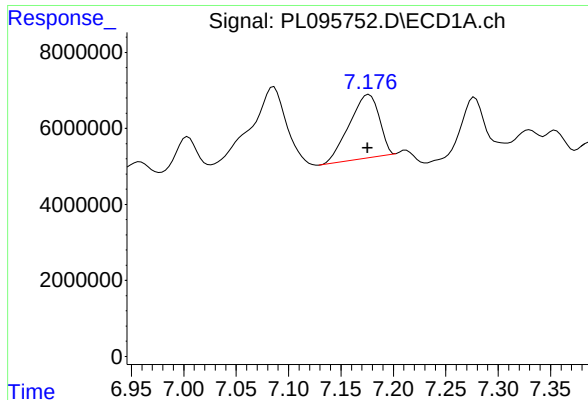
#4 Toxaphene-3

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



#4 Toxaphene-3

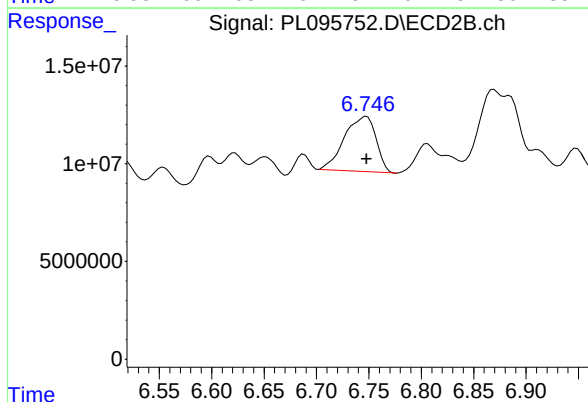
R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 18382533
Conc: 502.46 ng/ml



#5 Toxaphene-4

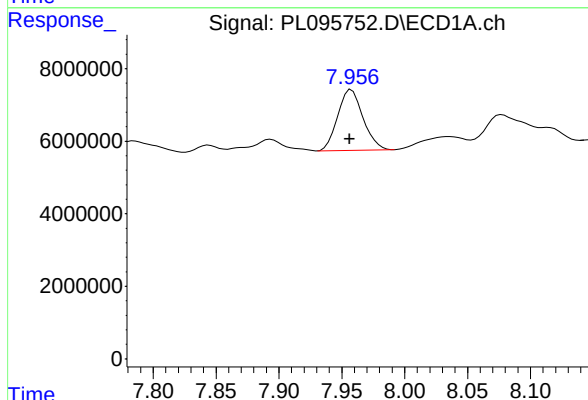
R.T.: 7.177 min
Delta R.T.: 0.001 min
Response: 33135236
Conc: 505.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL052125TOX



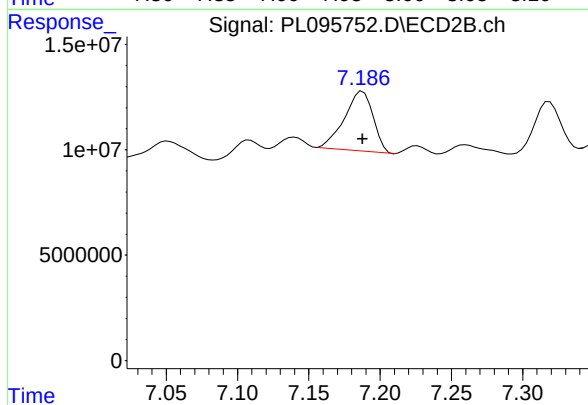
#5 Toxaphene-4

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



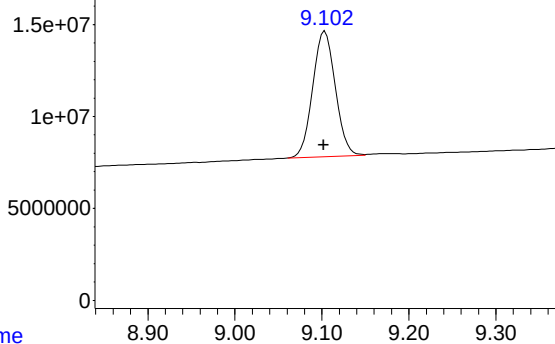
#6 Toxaphene-5

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

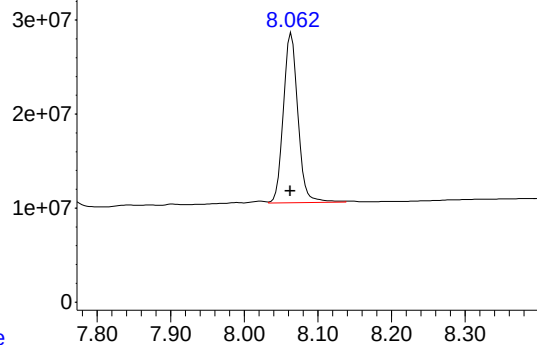
Instrument :
ECD_L
ClientSampleId :
ICVPL052125TOX

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

Time



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

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: Q2079 SAS No.: Q2079 SDG NO.: Q2079

Continuing Calib Date: 05/22/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 09:18 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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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: Q2079 SAS No.: Q2079 SDG NO.: Q2079

Continuing Calib Date: 05/22/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 09:18 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: ENTA05

Lab Code: CHEM Case No.: Q2079 SAS No.: Q2079 SDG NO.: Q2079

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

Client Sample No.: CCAL01 Date Analyzed: 05/22/2025

Lab Sample No.: PSTDCCC050 Data File : PL095756.D Time Analyzed: 09:18

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.103	9.003	9.203	50.300	50.000	0.6
Endrin	6.603	6.502	6.702	45.920	50.000	-8.2
gamma-BHC (Lindane)	4.356	4.257	4.457	53.810	50.000	7.6
Heptachlor	4.954	4.855	5.055	51.070	50.000	2.1
Heptachlor epoxide	5.718	5.618	5.818	54.020	50.000	8.0
Methoxychlor	7.524	7.423	7.623	44.350	50.000	-11.3
Tetrachloro-m-xylene	3.573	3.473	3.673	53.640	50.000	7.3



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CALIBRATION VERIFICATION SUMMARY
Contract: ENTA05
Lab Code: CHEM **Case No.:** Q2079 **SAS No.:** Q2079 **SDG NO.:** Q2079
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025
Client Sample No.: CCAL01 **Date Analyzed:** 05/22/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL095756.D **Time Analyzed:** 09:18

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.062	7.964	8.164	53.040	50.000	6.1
Endrin	5.781	5.683	5.883	44.550	50.000	-10.9
gamma-BHC (Lindane)	3.729	3.630	3.830	52.870	50.000	5.7
Heptachlor	4.082	3.983	4.183	49.500	50.000	-1.0
Heptachlor epoxide	4.869	4.771	4.971	52.510	50.000	5.0
Methoxychlor	6.748	6.651	6.851	42.280	50.000	-15.4
Tetrachloro-m-xylene	2.885	2.786	2.986	51.930	50.000	3.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052225\
 Data File : PL095756.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 09:18
 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: May 22 11:45:38 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	169.2E6	203.3E6	53.637	51.931
28)	SA Decachlor...	9.103	8.062	118.5E6	232.0E6	50.302	53.044
Target Compounds							
2)	A alpha-BHC	4.024	3.395	264.4E6	313.5E6	54.538	53.524
3)	MA gamma-BHC...	4.356	3.729	240.6E6	296.1E6	53.806	52.868
4)	MA Heptachlor	4.954	4.082	193.3E6	277.6E6	51.070	49.495
5)	MB Aldrin	5.297	4.367	232.8E6	282.0E6	54.413	53.128
6)	B beta-BHC	4.544	4.025	105.1E6	129.0E6	53.295	52.082
7)	B delta-BHC	4.792	4.260	237.4E6	298.1E6	53.548	52.793
8)	B Heptachlo...	5.718	4.869	206.2E6	259.3E6	54.020	52.511
9)	A Endosulfan I	6.102	5.242	197.1E6	247.5E6	53.777	51.951
10)	B gamma-Chl...	5.973	5.122	213.2E6	275.3E6	54.766	52.406
11)	B alpha-Chl...	6.054	5.186	212.2E6	271.0E6	53.759	52.092
12)	B 4,4'-DDE	6.225	5.373	198.4E6	275.9E6	54.089	51.448
13)	MA Dieldrin	6.375	5.507	209.8E6	276.5E6	54.351	52.163
14)	MA Endrin	6.603	5.781	148.2E6	217.2E6	45.924	44.546
15)	B Endosulfa...	6.815	6.072	176.7E6	245.6E6	51.271	51.686
16)	A 4,4'-DDD	6.735	5.925	167.1E6	244.3E6	57.033	55.724
17)	MA 4,4'-DDT	7.050	6.178	121.5E6	205.2E6	44.906	42.902
18)	B Endrin al...	6.945	6.250	128.2E6	178.5E6	53.047	51.662
19)	B Endosulfa...	7.179	6.473	157.3E6	233.3E6	52.664	51.906
20)	A Methoxychlor	7.524	6.748	56563570	110.6E6	44.352	42.281
21)	B Endrin ke...	7.660	6.979	179.8E6	290.0E6	56.764	56.052
22)	Mirex	8.142	7.172	122.8E6	208.8E6	53.083	51.418

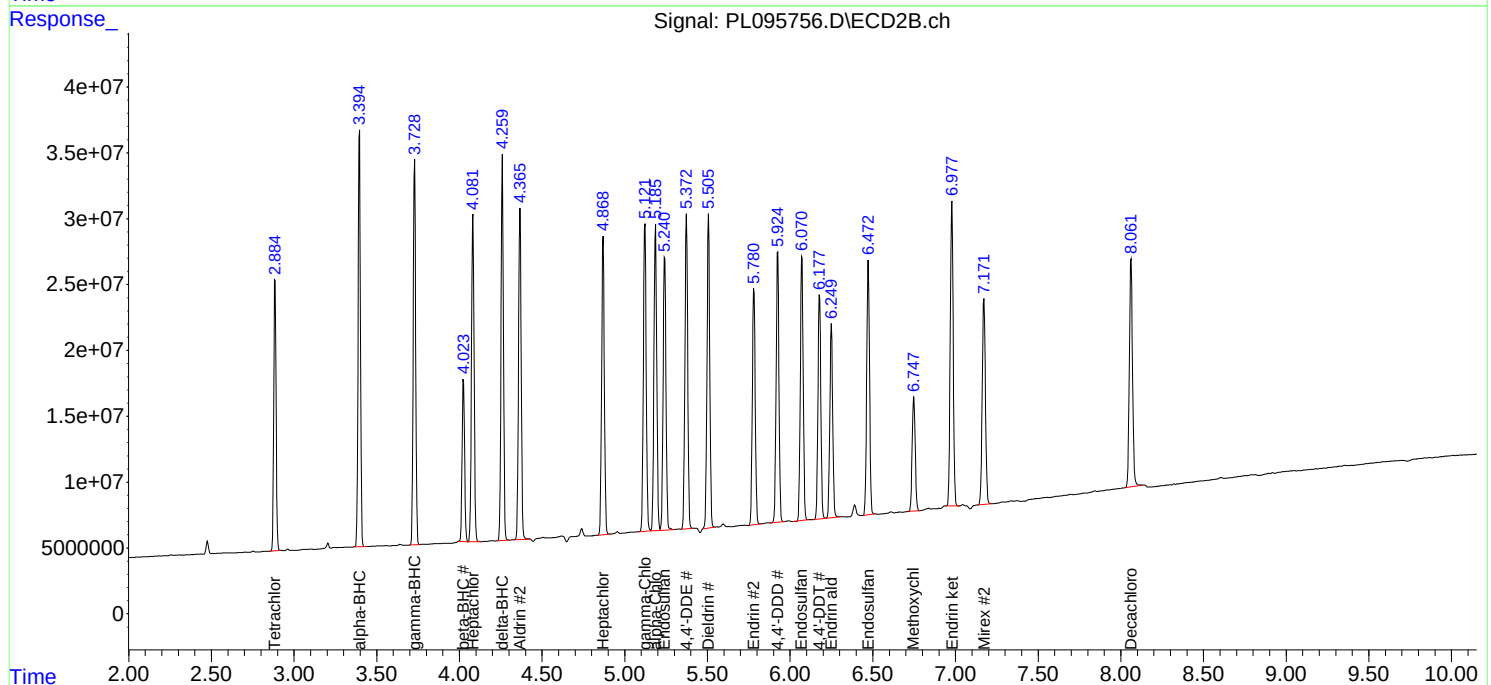
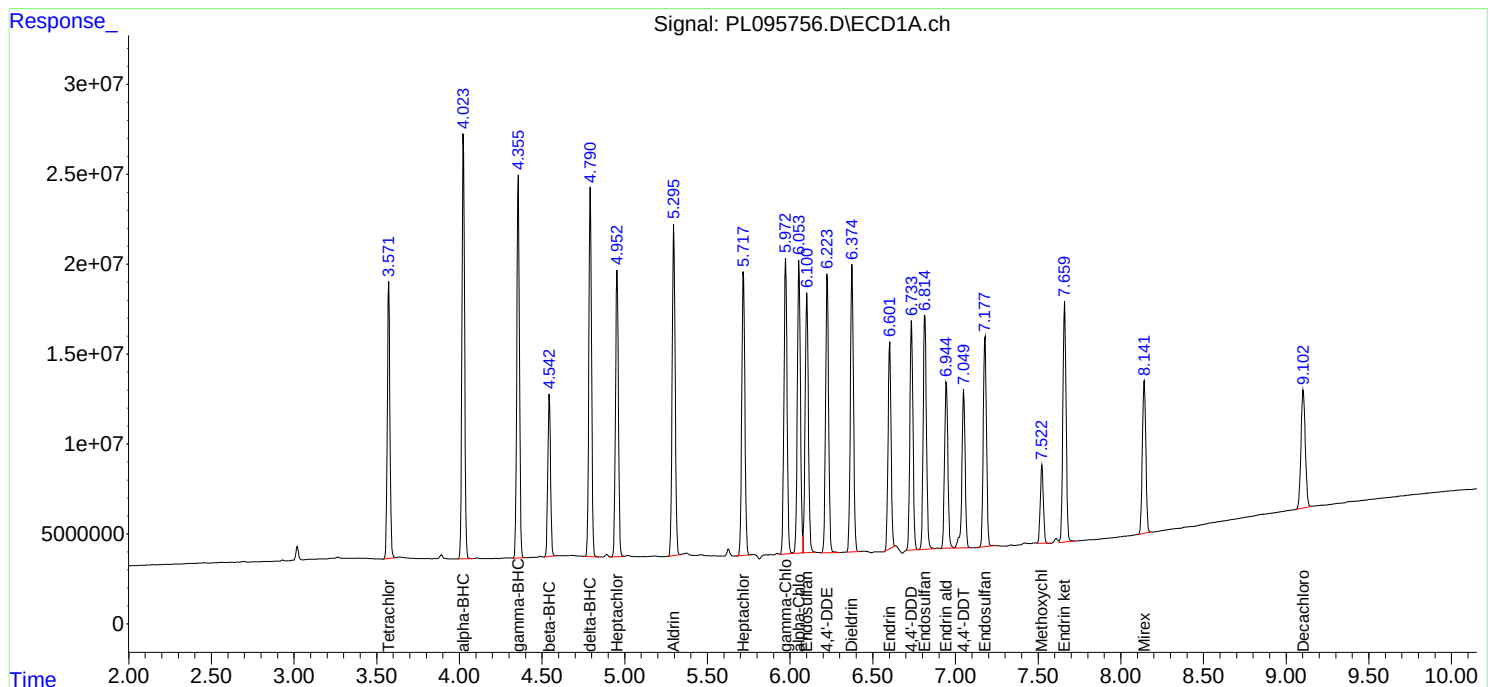
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

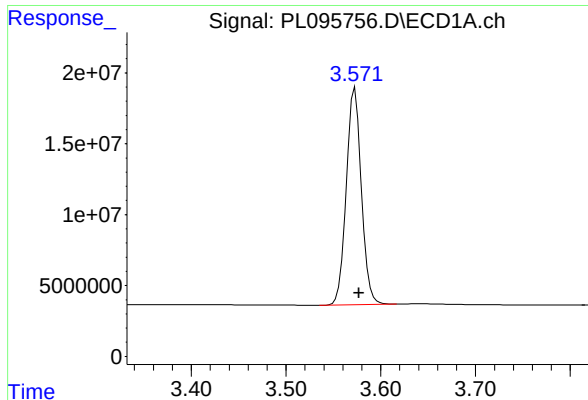
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052225\
Data File : PL095756.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 09:18
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 11:45:38 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

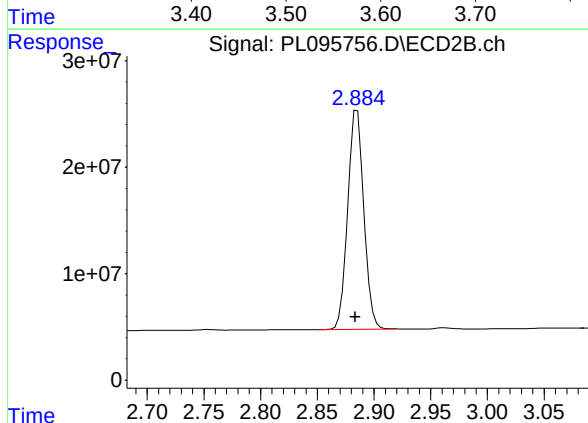




#1 Tetrachloro-m-xylene

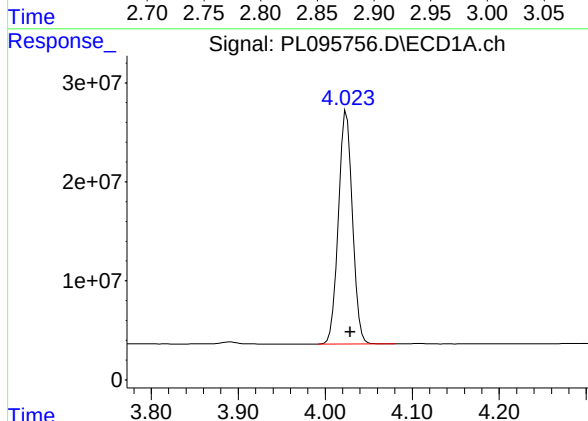
R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 169240141
Conc: 53.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



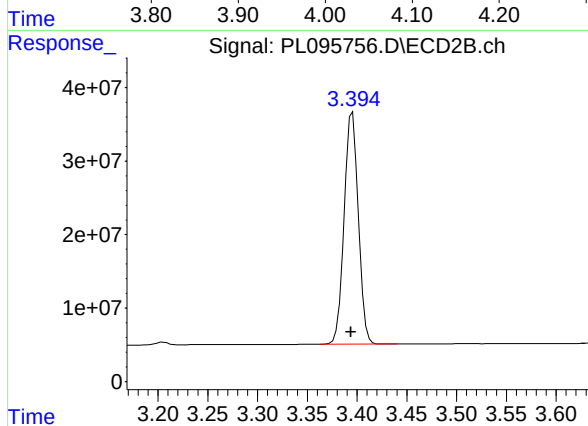
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 203255995
Conc: 51.93 ng/ml



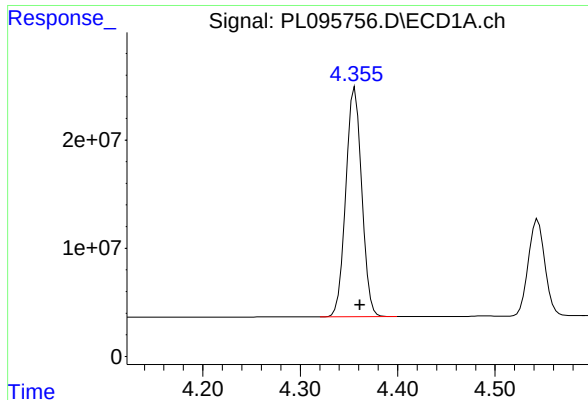
#2 alpha-BHC

R.T.: 4.024 min
Delta R.T.: -0.005 min
Response: 264397361
Conc: 54.54 ng/ml



#2 alpha-BHC

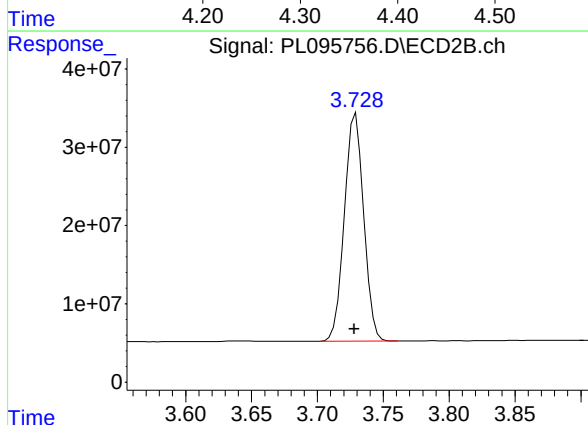
R.T.: 3.395 min
Delta R.T.: 0.002 min
Response: 313509354
Conc: 53.52 ng/ml



#3 gamma-BHC (Lindane)

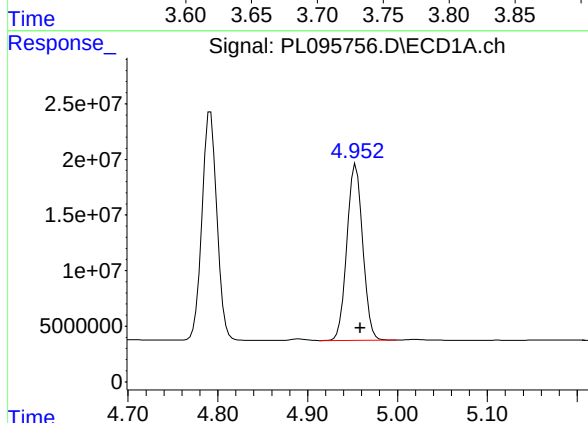
R.T.: 4.356 min
Delta R.T.: -0.005 min
Response: 240612222
Conc: 53.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



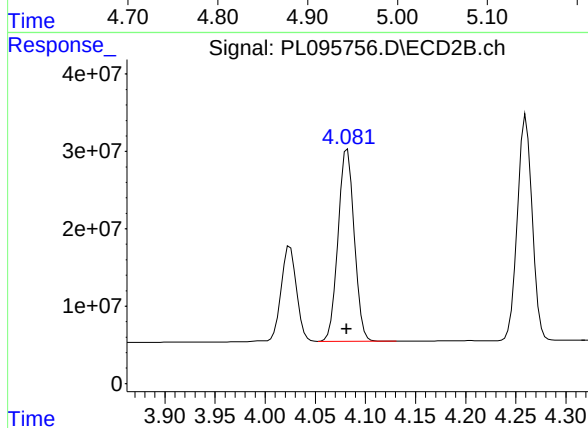
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.001 min
Response: 296126386
Conc: 52.87 ng/ml



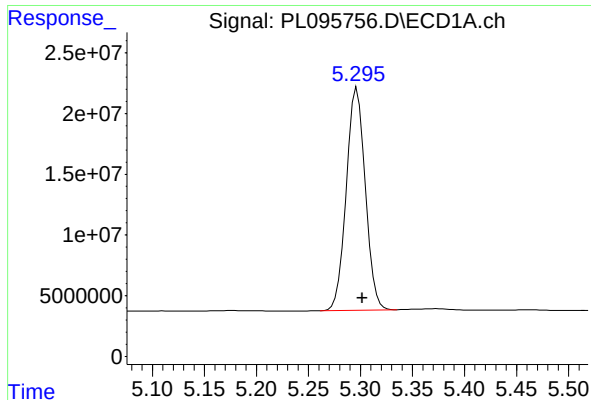
#4 Heptachlor

R.T.: 4.954 min
Delta R.T.: -0.005 min
Response: 193303692
Conc: 51.07 ng/ml



#4 Heptachlor

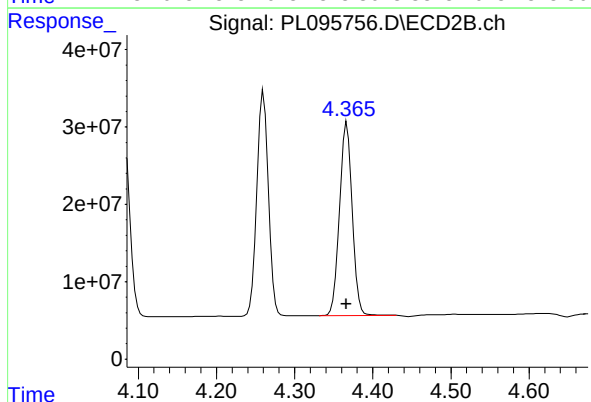
R.T.: 4.082 min
Delta R.T.: 0.000 min
Response: 277621152
Conc: 49.50 ng/ml



#5 Aldrin

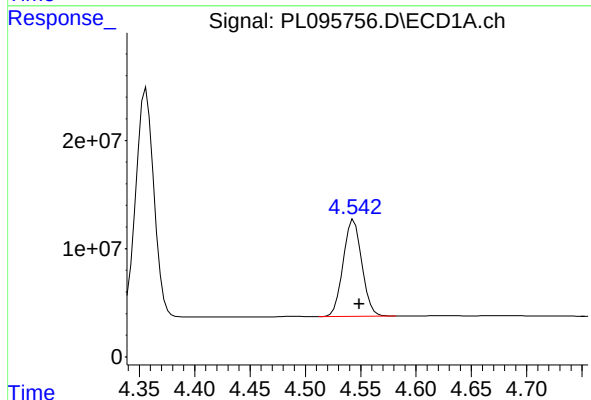
R.T.: 5.297 min
Delta R.T.: -0.005 min
Response: 232763860
Conc: 54.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



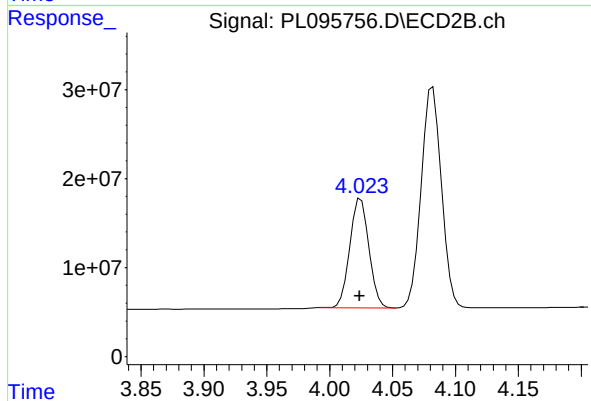
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: 0.000 min
Response: 281956444
Conc: 53.13 ng/ml



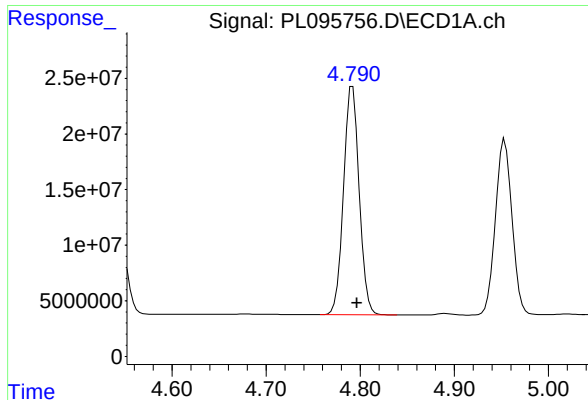
#6 beta-BHC

R.T.: 4.544 min
Delta R.T.: -0.005 min
Response: 105063378
Conc: 53.29 ng/ml



#6 beta-BHC

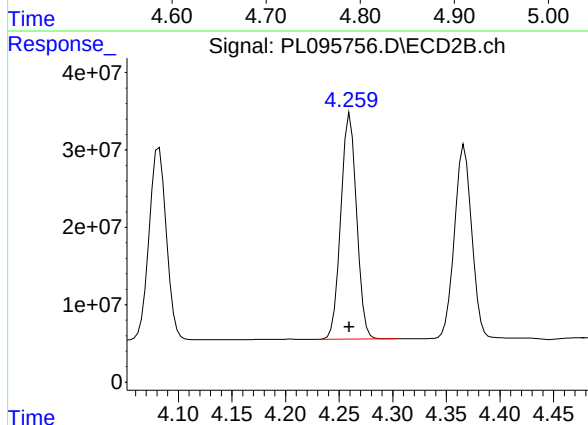
R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 129034839
Conc: 52.08 ng/ml



#7 delta-BHC

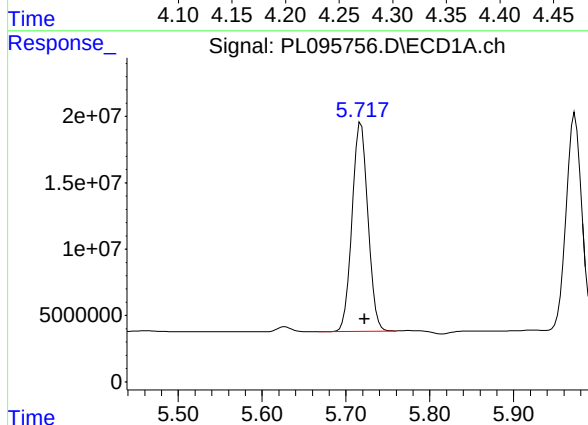
R.T.: 4.792 min
Delta R.T.: -0.005 min
Response: 237412973
Conc: 53.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



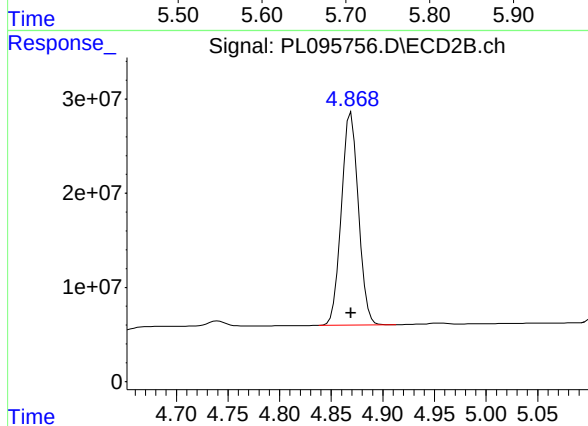
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: 0.000 min
Response: 298140239
Conc: 52.79 ng/ml



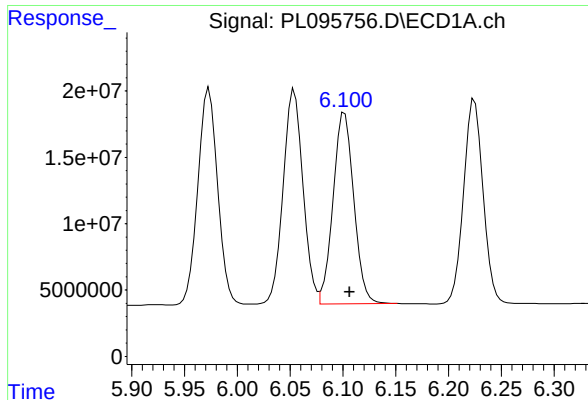
#8 Heptachlor epoxide

R.T.: 5.718 min
Delta R.T.: -0.004 min
Response: 206187087
Conc: 54.02 ng/ml



#8 Heptachlor epoxide

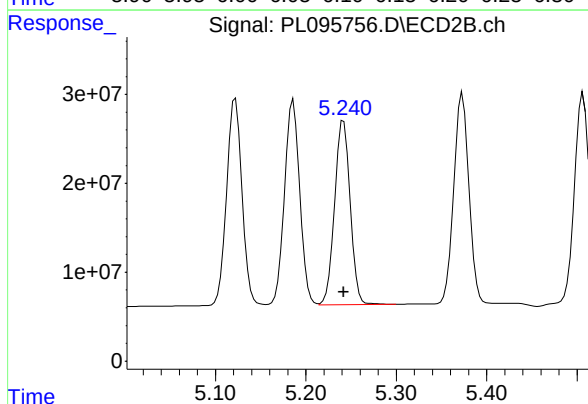
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 259267802
Conc: 52.51 ng/ml



#9 Endosulfan I

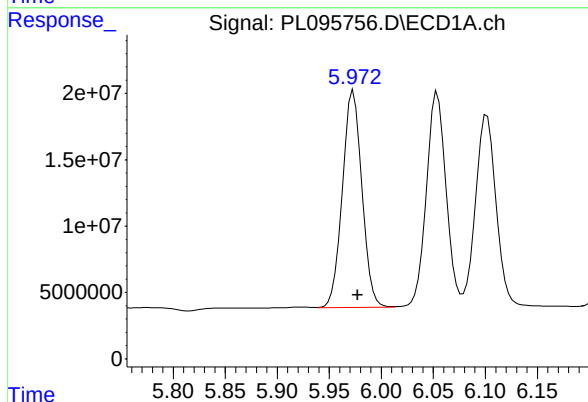
R.T.: 6.102 min
Delta R.T.: -0.004 min
Response: 197083823
Conc: 53.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



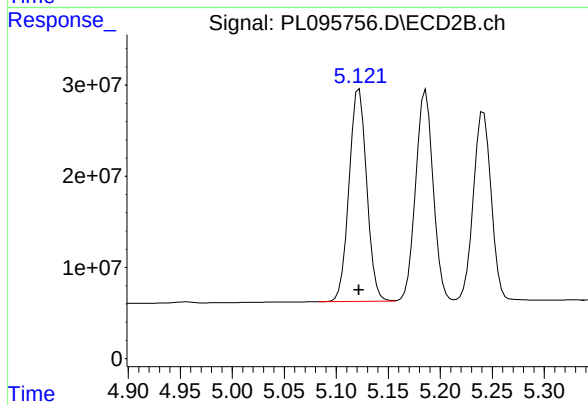
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 247543491
Conc: 51.95 ng/ml



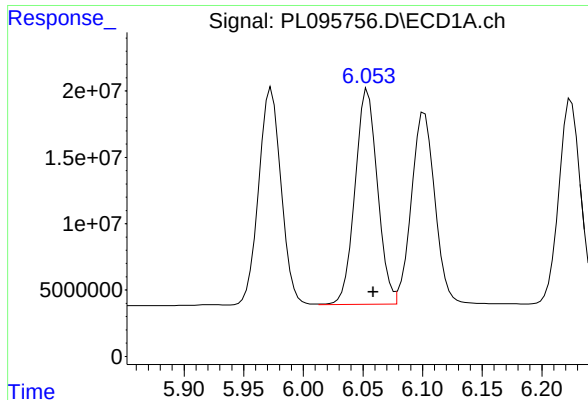
#10 gamma-Chlordane

R.T.: 5.973 min
Delta R.T.: -0.004 min
Response: 213153574
Conc: 54.77 ng/ml



#10 gamma-Chlordane

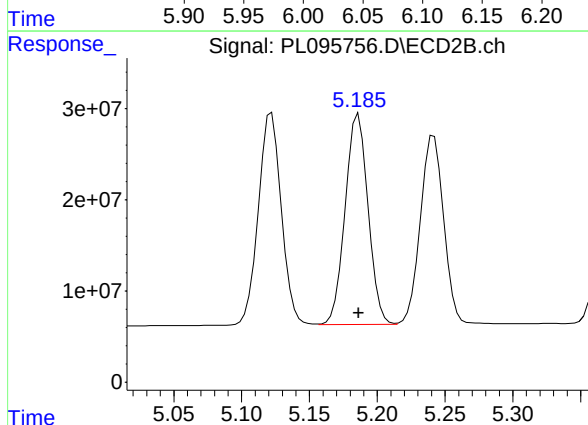
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 275274302
Conc: 52.41 ng/ml



#11 alpha-Chlordane

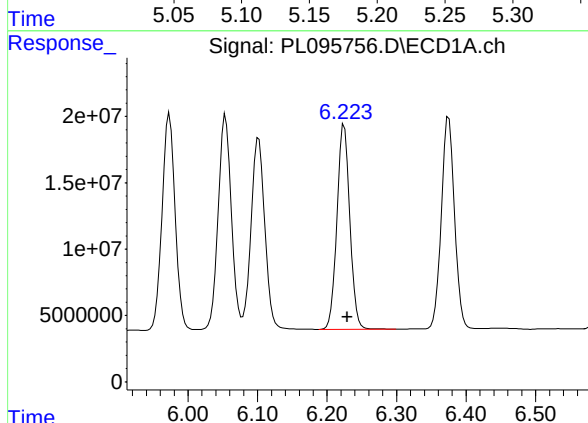
R.T.: 6.054 min
Delta R.T.: -0.005 min
Response: 212249794
Conc: 53.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



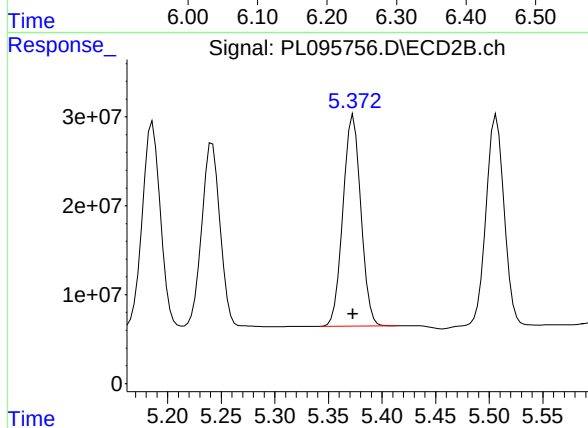
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 271022208
Conc: 52.09 ng/ml



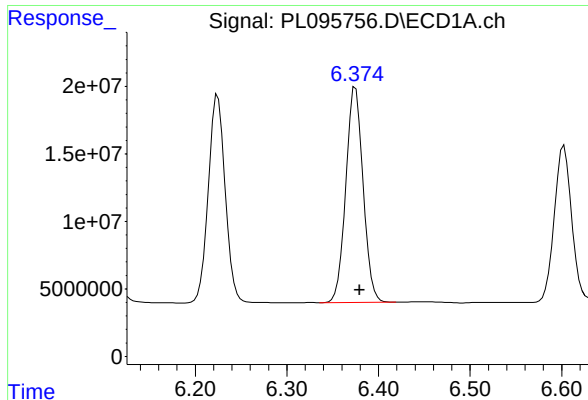
#12 4,4'-DDE

R.T.: 6.225 min
Delta R.T.: -0.004 min
Response: 198391319
Conc: 54.09 ng/ml



#12 4,4'-DDE

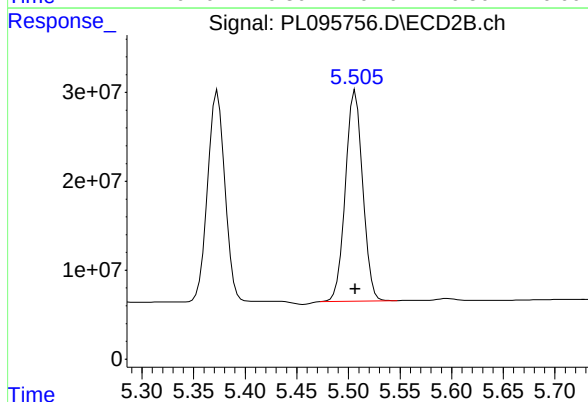
R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 275873474
Conc: 51.45 ng/ml



#13 Dieldrin

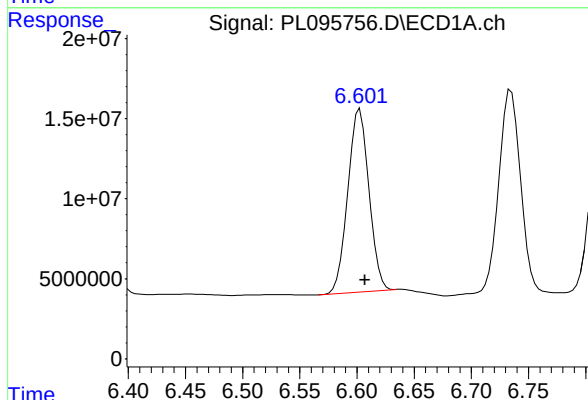
R.T.: 6.375 min
Delta R.T.: -0.005 min
Response: 209752109
Conc: 54.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



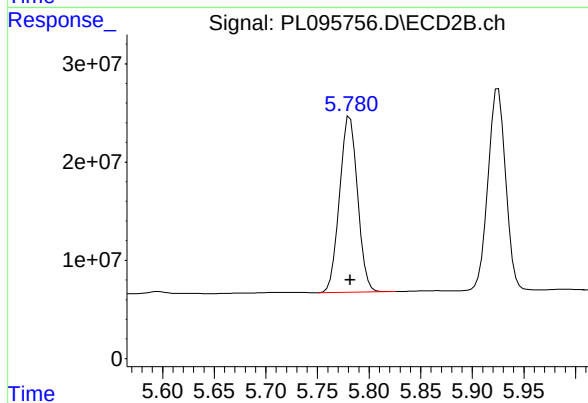
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 276470244
Conc: 52.16 ng/ml



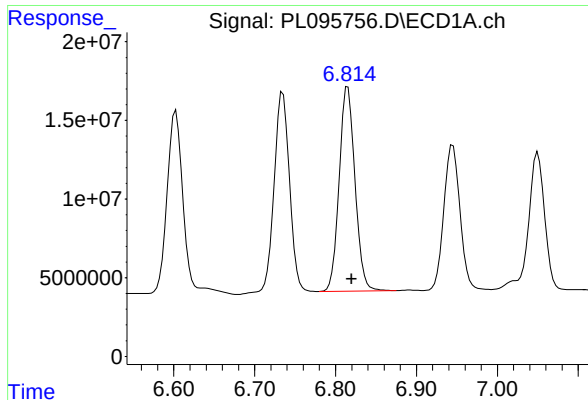
#14 Endrin

R.T.: 6.603 min
Delta R.T.: -0.004 min
Response: 148186441
Conc: 45.92 ng/ml



#14 Endrin

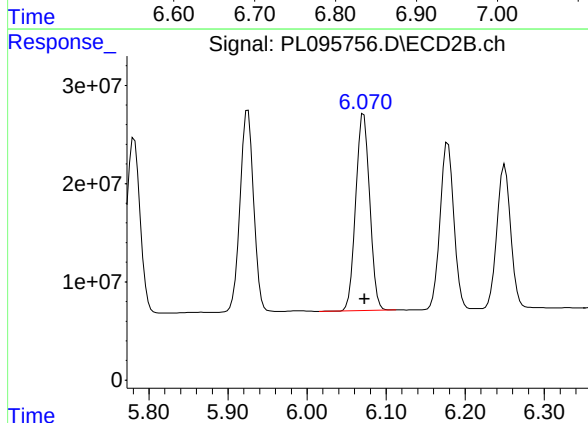
R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 217213134
Conc: 44.55 ng/ml



#15 Endosulfan II

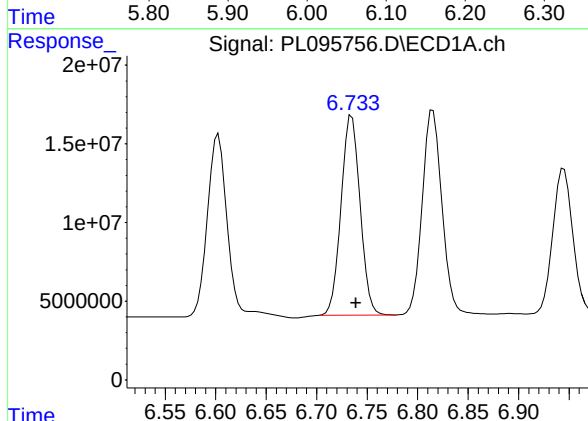
R.T.: 6.815 min
Delta R.T.: -0.005 min
Response: 176683849
Conc: 51.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



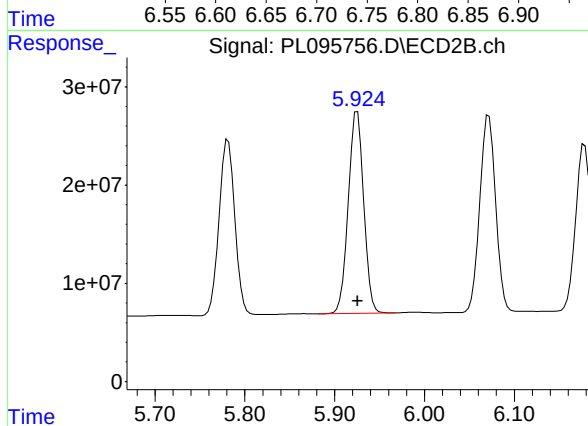
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 245600318
Conc: 51.69 ng/ml



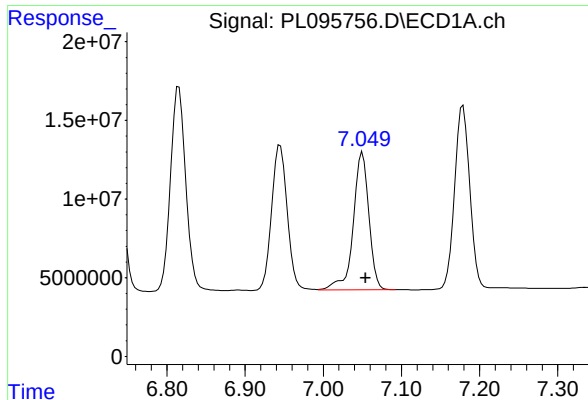
#16 4,4'-DDD

R.T.: 6.735 min
Delta R.T.: -0.004 min
Response: 167140904
Conc: 57.03 ng/ml



#16 4,4'-DDD

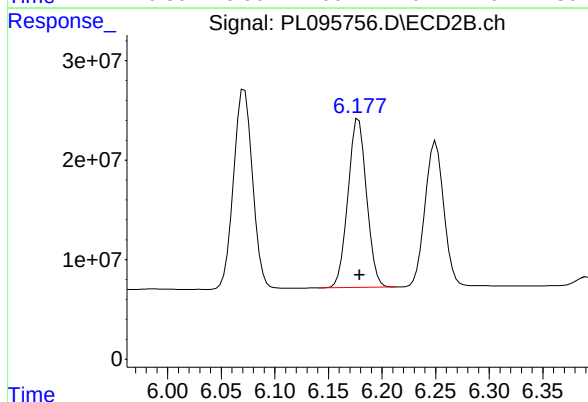
R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 244344543
Conc: 55.72 ng/ml



#17 4,4'-DDT

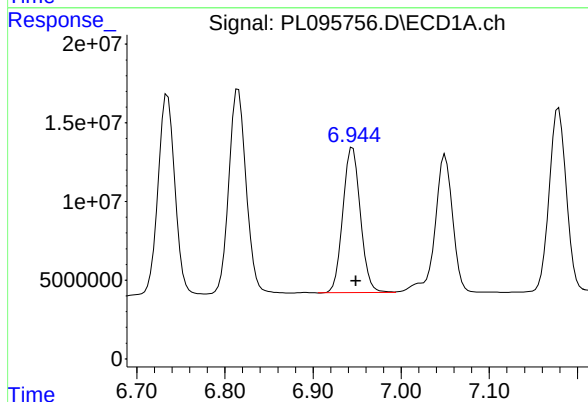
R.T.: 7.050 min
Delta R.T.: -0.004 min
Response: 121475912
Conc: 44.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



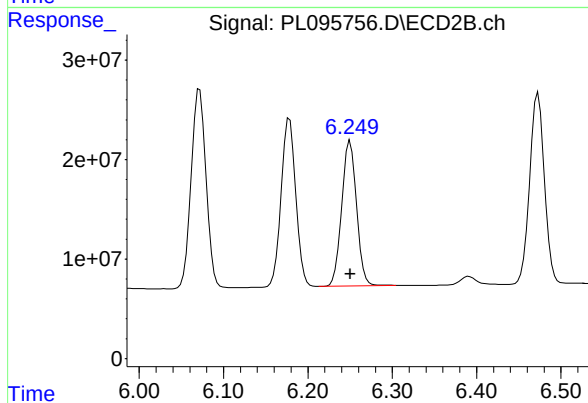
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: -0.001 min
Response: 205184524
Conc: 42.90 ng/ml



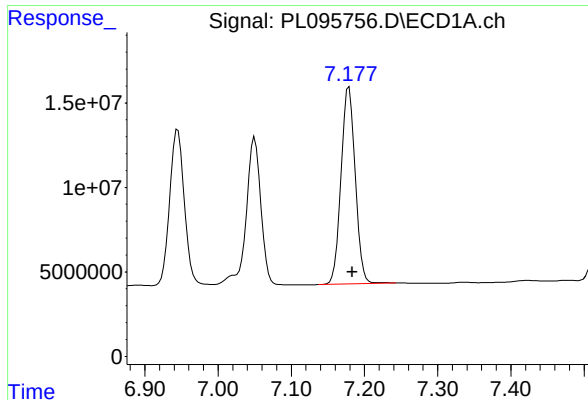
#18 Endrin aldehyde

R.T.: 6.945 min
Delta R.T.: -0.004 min
Response: 128247379
Conc: 53.05 ng/ml



#18 Endrin aldehyde

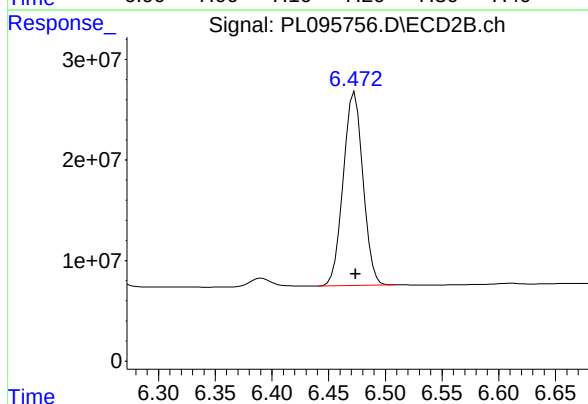
R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 178456484
Conc: 51.66 ng/ml



#19 Endosulfan Sulfate

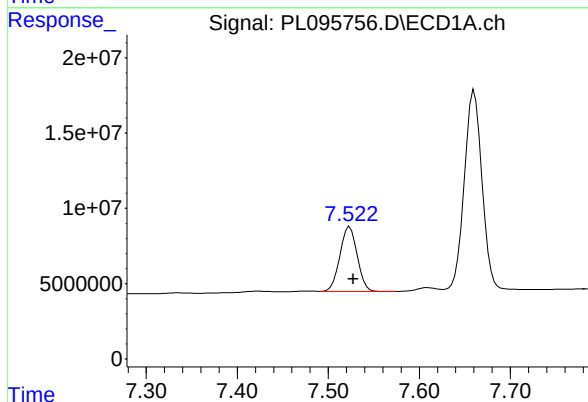
R.T.: 7.179 min
Delta R.T.: -0.004 min
Response: 157302672
Conc: 52.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



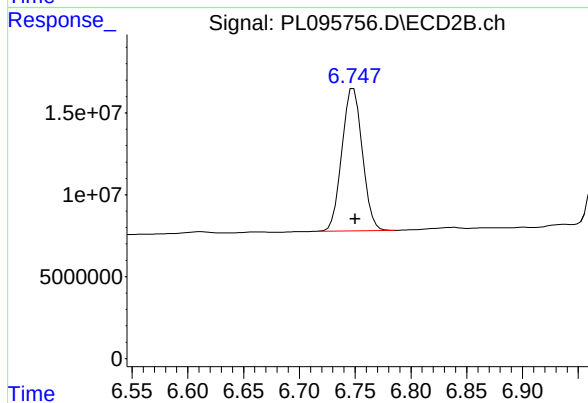
#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 233303976
Conc: 51.91 ng/ml



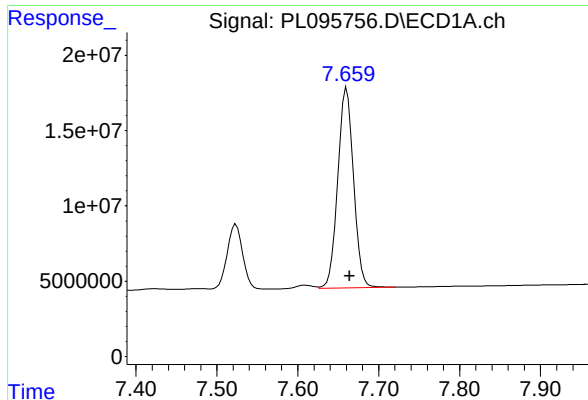
#20 Methoxychlor

R.T.: 7.524 min
Delta R.T.: -0.004 min
Response: 56563570
Conc: 44.35 ng/ml



#20 Methoxychlor

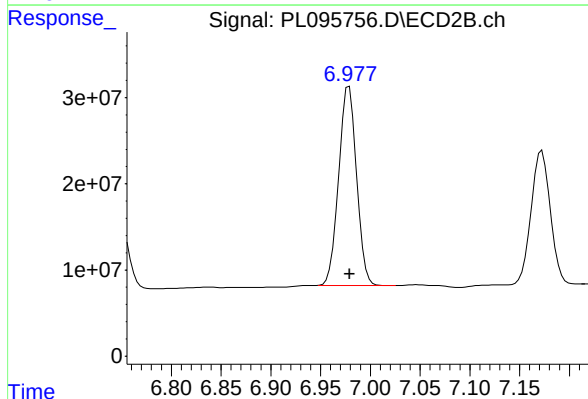
R.T.: 6.748 min
Delta R.T.: -0.002 min
Response: 110612746
Conc: 42.28 ng/ml



#21 Endrin ketone

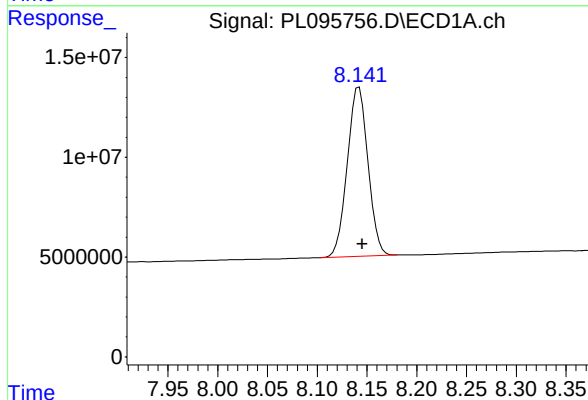
R.T.: 7.660 min
Delta R.T.: -0.004 min
Response: 179766965
Conc: 56.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



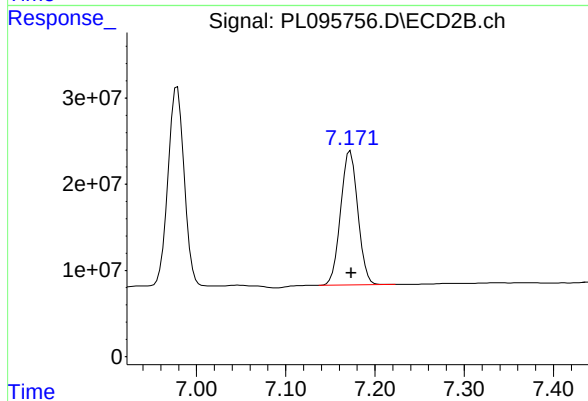
#21 Endrin ketone

R.T.: 6.979 min
Delta R.T.: 0.000 min
Response: 290004205
Conc: 56.05 ng/ml



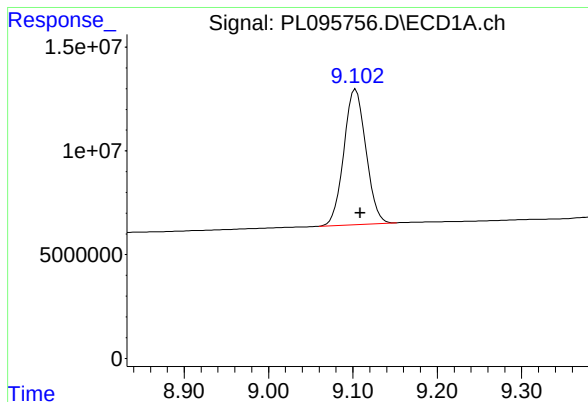
#22 Mirex

R.T.: 8.142 min
Delta R.T.: -0.003 min
Response: 122822189
Conc: 53.08 ng/ml



#22 Mirex

R.T.: 7.172 min
Delta R.T.: -0.001 min
Response: 208784298
Conc: 51.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.103 min

Delta R.T.: -0.006 min

Response: 118528940

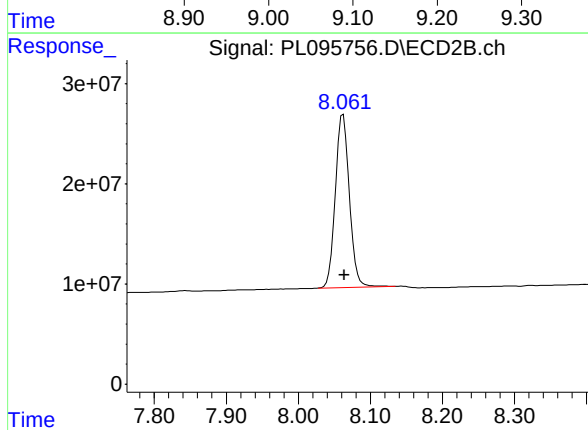
Conc: 50.30 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.062 min

Delta R.T.: -0.002 min

Response: 232036658

Conc: 53.04 ng/ml



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: Q2079 SAS No.: Q2079 SDG NO.: Q2079

Continuing Calib Date: 05/22/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 13:35 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: ENTA05

Lab Code: CHEM Case No.: Q2079 SAS No.: Q2079 SDG NO.: Q2079

Continuing Calib Date: 05/22/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 13:35 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: ENTA05

Lab Code: CHEM Case No.: Q2079 SAS No.: Q2079 SDG NO.: Q2079

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

Client Sample No.: CCAL02 Date Analyzed: 05/22/2025

Lab Sample No.: PSTDCCC050 Data File : PL095768.D Time Analyzed: 13:35

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.102	9.003	9.203	50.550	50.000	1.1
Endrin	6.602	6.502	6.702	44.840	50.000	-10.3
gamma-BHC (Lindane)	4.355	4.257	4.457	54.120	50.000	8.2
Heptachlor	4.953	4.855	5.055	50.760	50.000	1.5
Heptachlor epoxide	5.717	5.618	5.818	54.480	50.000	9.0
Methoxychlor	7.522	7.423	7.623	42.480	50.000	-15.0
Tetrachloro-m-xylene	3.572	3.473	3.673	54.260	50.000	8.5



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CALIBRATION VERIFICATION SUMMARY
Contract: ENTA05
Lab Code: CHEM **Case No.:** Q2079 **SAS No.:** Q2079 **SDG NO.:** Q2079
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025
Client Sample No.: CCAL02 **Date Analyzed:** 05/22/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL095768.D **Time Analyzed:** 13:35

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.062	7.964	8.164	54.400	50.000	8.8
Endrin	5.781	5.683	5.883	43.710	50.000	-12.6
gamma-BHC (Lindane)	3.729	3.630	3.830	53.430	50.000	6.9
Heptachlor	4.082	3.983	4.183	49.240	50.000	-1.5
Heptachlor epoxide	4.869	4.771	4.971	52.730	50.000	5.5
Methoxychlor	6.749	6.651	6.851	41.100	50.000	-17.8
Tetrachloro-m-xylene	2.885	2.786	2.986	52.800	50.000	5.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052225\
 Data File : PL095768.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 13:35
 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: May 22 22:39:52 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	171.2E6	206.6E6	54.262	52.796
28)	SA Decachlor...	9.102	8.062	119.1E6	238.0E6	50.549	54.400
Target Compounds							
2)	A alpha-BHC	4.024	3.395	266.2E6	318.5E6	54.919	54.377
3)	MA gamma-BHC...	4.355	3.729	242.0E6	299.3E6	54.117	53.428
4)	MA Heptachlor	4.953	4.082	192.1E6	276.2E6	50.762	49.237
5)	MB Aldrin	5.296	4.367	234.3E6	284.9E6	54.779	53.684
6)	B beta-BHC	4.543	4.025	105.6E6	130.7E6	53.546	52.765
7)	B delta-BHC	4.791	4.260	239.9E6	302.5E6	54.118	53.560
8)	B Heptachlo...	5.717	4.869	207.9E6	260.4E6	54.477	52.735
9)	A Endosulfan I	6.101	5.241	198.5E6	248.1E6	54.152	52.071
10)	B gamma-Chl...	5.972	5.122	215.4E6	277.3E6	55.345	52.799
11)	B alpha-Chl...	6.053	5.186	213.4E6	272.9E6	54.047	52.448
12)	B 4,4'-DDE	6.223	5.372	199.2E6	277.3E6	54.322	51.712
13)	MA Dieldrin	6.374	5.506	210.9E6	278.6E6	54.659	52.571
14)	MA Endrin	6.602	5.781	144.7E6	213.2E6	44.838	43.714
15)	B Endosulfa...	6.814	6.072	177.8E6	249.9E6	51.604	52.593
16)	A 4,4'-DDD	6.734	5.925	170.0E6	250.9E6	58.001	57.226
17)	MA 4,4'-DDT	7.049	6.178	117.6E6	198.7E6	43.471	41.539
18)	B Endrin al...	6.944	6.249	128.8E6	181.6E6	53.276	52.586
19)	B Endosulfa...	7.178	6.473	157.2E6	237.3E6	52.629	52.788
20)	A Methoxychlor	7.522	6.749	54170989	107.5E6	42.476	41.105
21)	B Endrin ke...	7.660	6.978	183.1E6	297.1E6	57.817	57.424
22)	Mirex	8.141	7.172	123.6E6	213.6E6	53.425	52.602

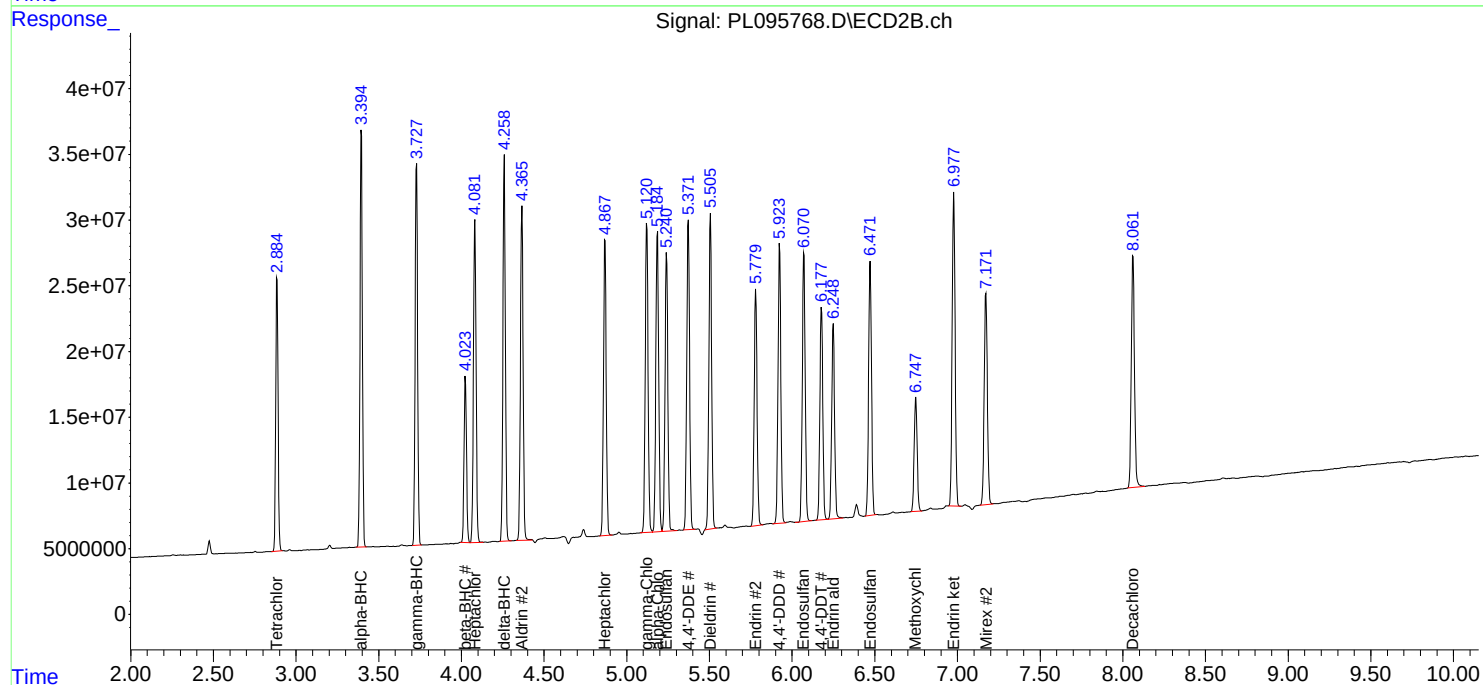
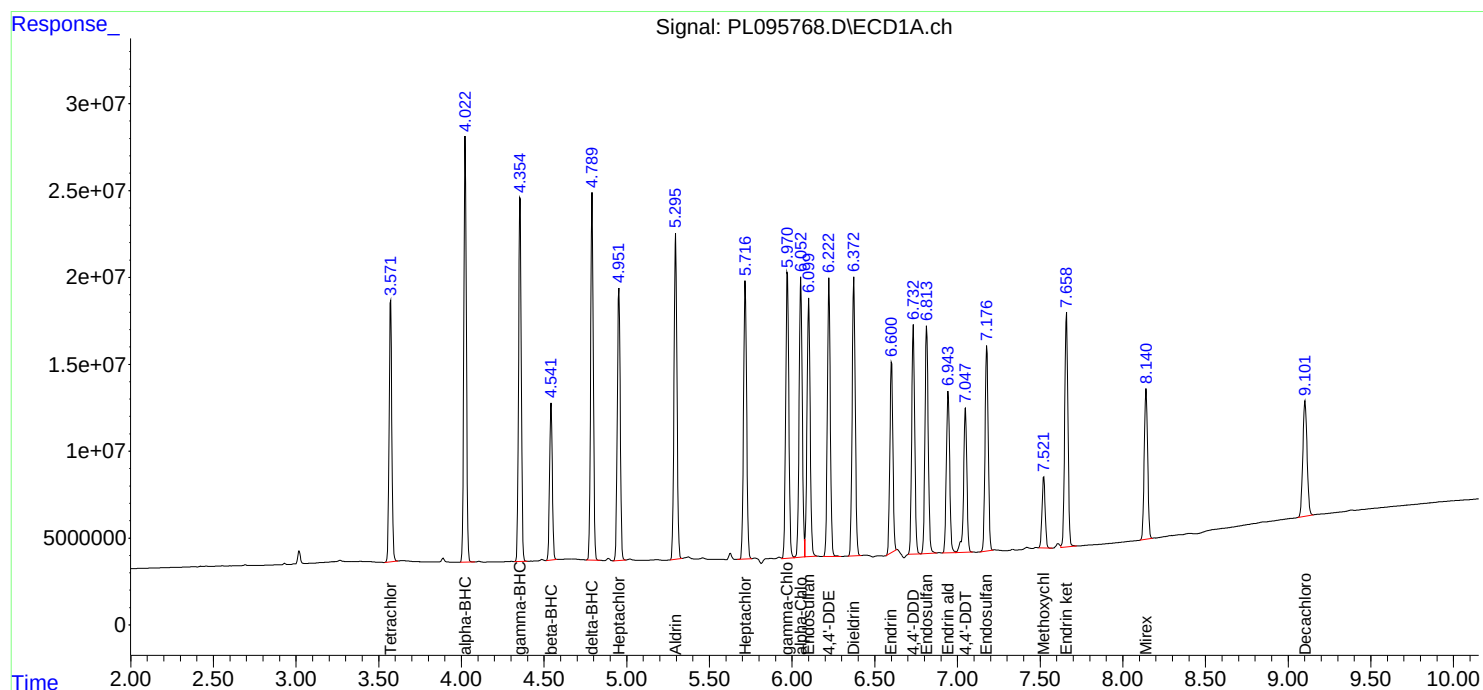
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

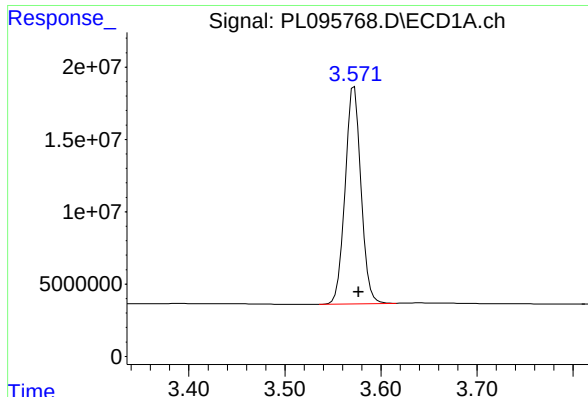
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052225\
Data File : PL095768.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 13:35
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 22:39:52 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

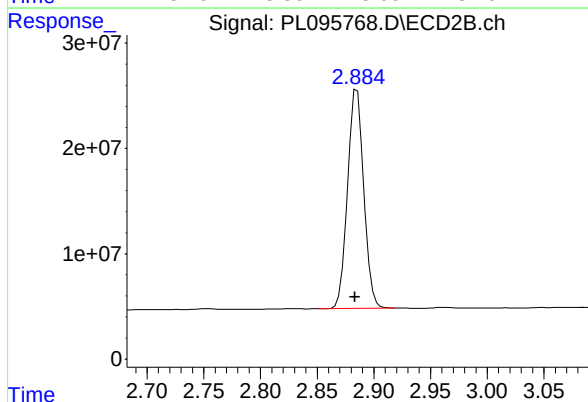




#1 Tetrachloro-m-xylene

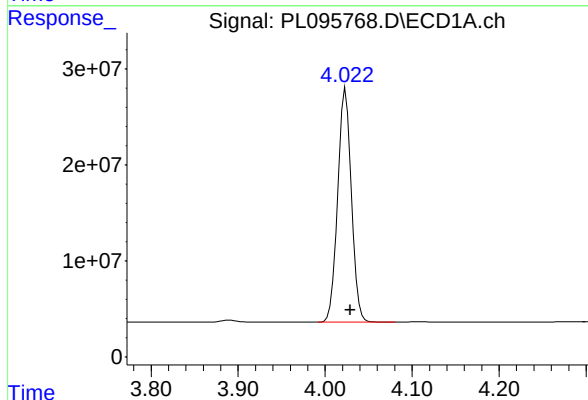
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 171211816
Conc: 54.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



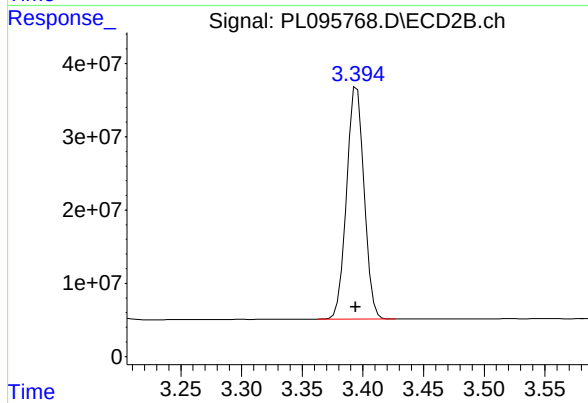
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 206641875
Conc: 52.80 ng/ml



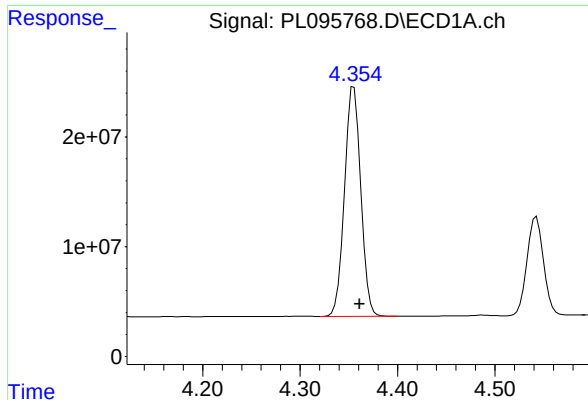
#2 alpha-BHC

R.T.: 4.024 min
Delta R.T.: -0.006 min
Response: 266243121
Conc: 54.92 ng/ml



#2 alpha-BHC

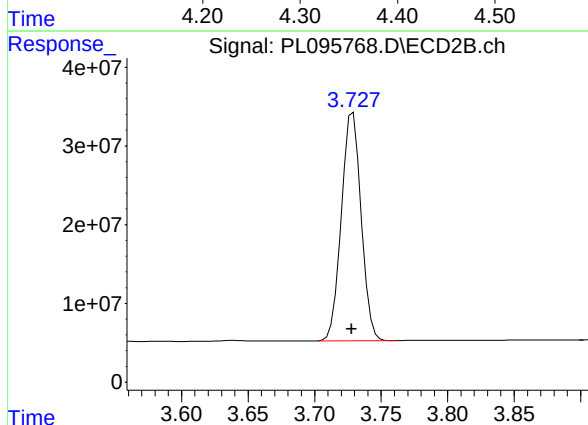
R.T.: 3.395 min
Delta R.T.: 0.001 min
Response: 318504842
Conc: 54.38 ng/ml



#3 gamma-BHC (Lindane)

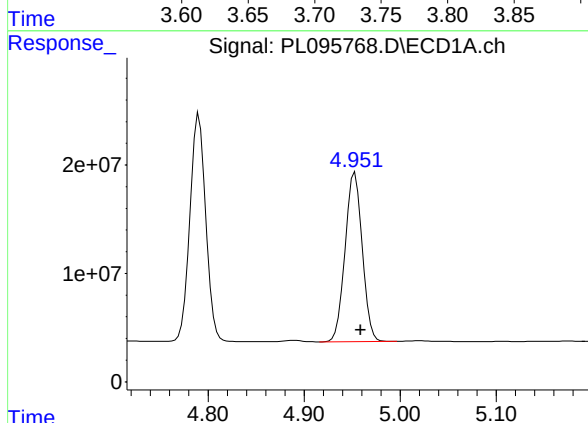
R.T.: 4.355 min
Delta R.T.: -0.006 min
Response: 242003200
Conc: 54.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



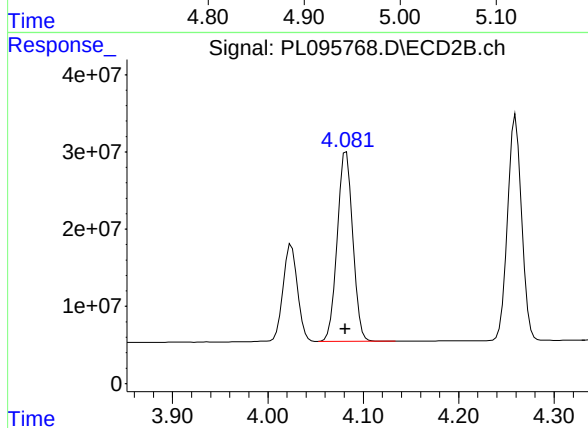
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 299262485
Conc: 53.43 ng/ml



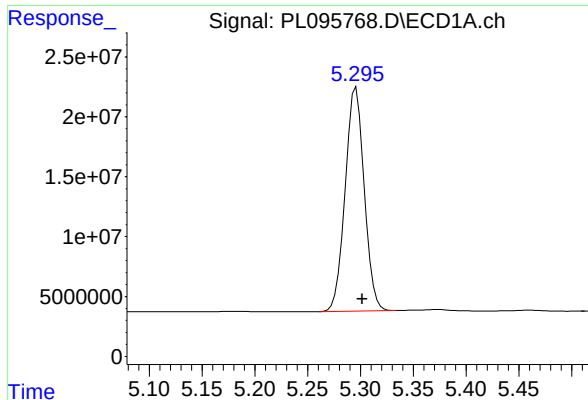
#4 Heptachlor

R.T.: 4.953 min
Delta R.T.: -0.006 min
Response: 192134345
Conc: 50.76 ng/ml



#4 Heptachlor

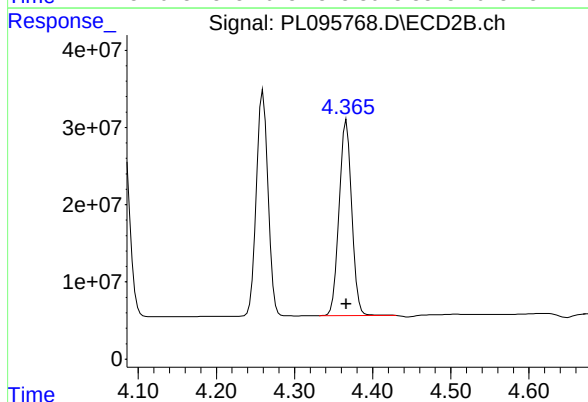
R.T.: 4.082 min
Delta R.T.: 0.000 min
Response: 276174514
Conc: 49.24 ng/ml



#5 Aldrin

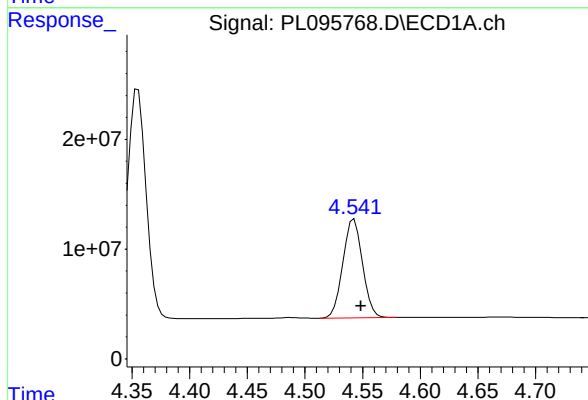
R.T.: 5.296 min
Delta R.T.: -0.006 min
Response: 234331487
Conc: 54.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



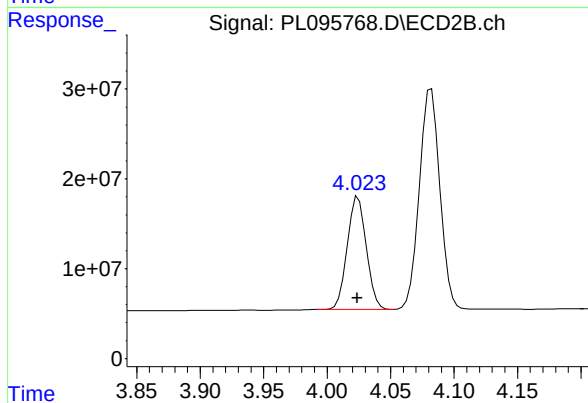
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: 0.000 min
Response: 284908480
Conc: 53.68 ng/ml



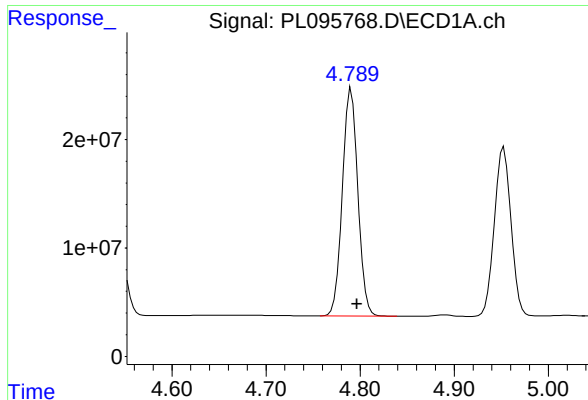
#6 beta-BHC

R.T.: 4.543 min
Delta R.T.: -0.006 min
Response: 105559189
Conc: 53.55 ng/ml



#6 beta-BHC

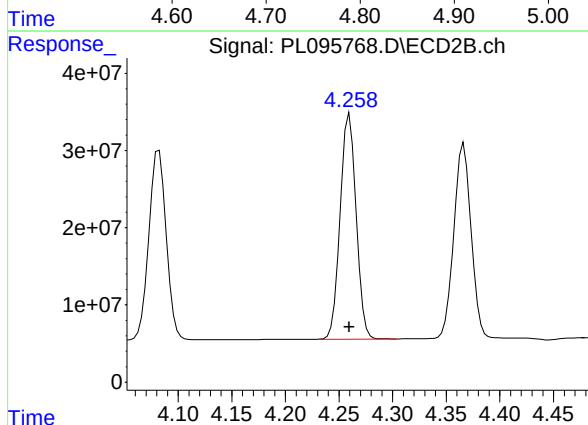
R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 130729080
Conc: 52.77 ng/ml



#7 delta-BHC

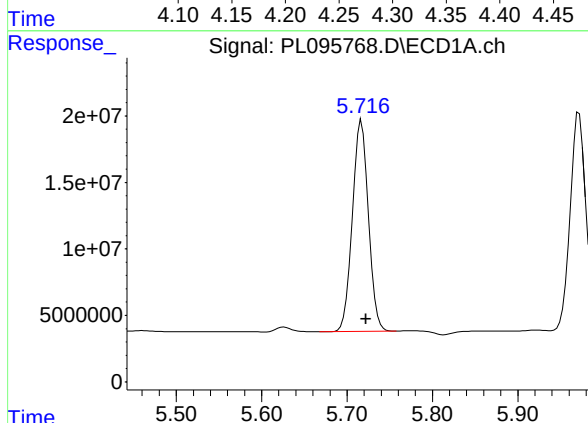
R.T.: 4.791 min
Delta R.T.: -0.006 min
Response: 239936254
Conc: 54.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



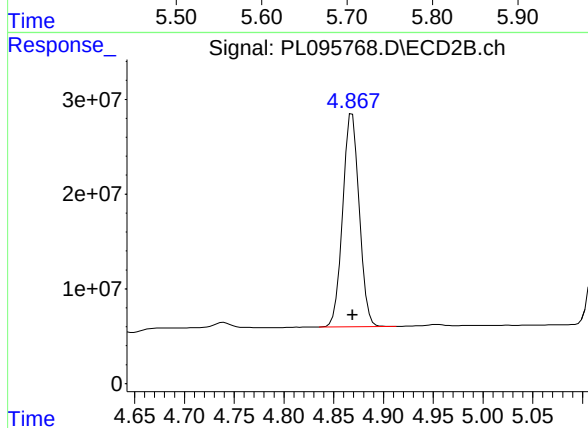
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: 0.000 min
Response: 302475153
Conc: 53.56 ng/ml



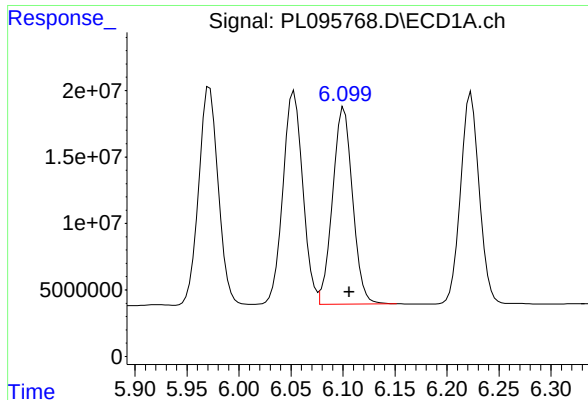
#8 Heptachlor epoxide

R.T.: 5.717 min
Delta R.T.: -0.005 min
Response: 207932799
Conc: 54.48 ng/ml



#8 Heptachlor epoxide

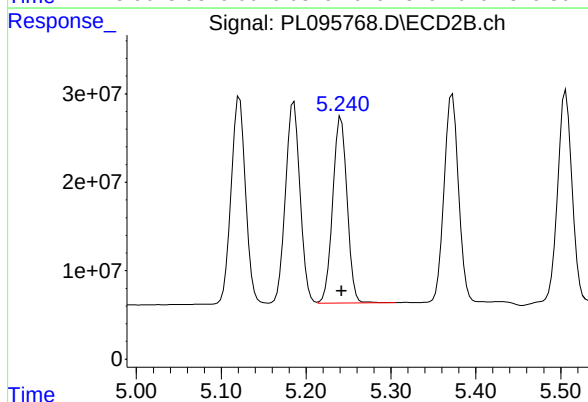
R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 260373882
Conc: 52.73 ng/ml



#9 Endosulfan I

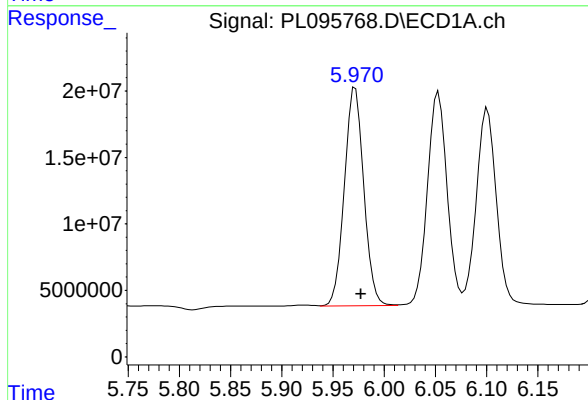
R.T.: 6.101 min
Delta R.T.: -0.005 min
Response: 198459271
Conc: 54.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



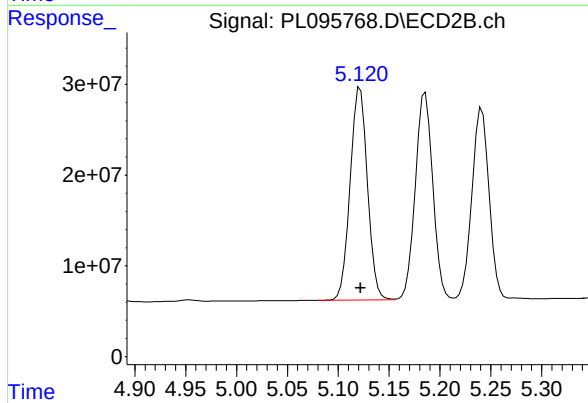
#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 248116696
Conc: 52.07 ng/ml



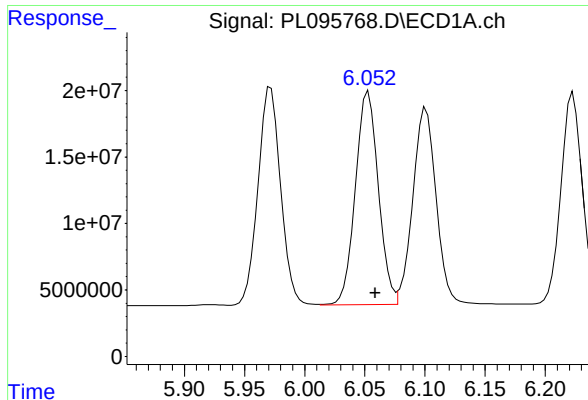
#10 gamma-Chlordane

R.T.: 5.972 min
Delta R.T.: -0.006 min
Response: 215405994
Conc: 55.34 ng/ml



#10 gamma-Chlordane

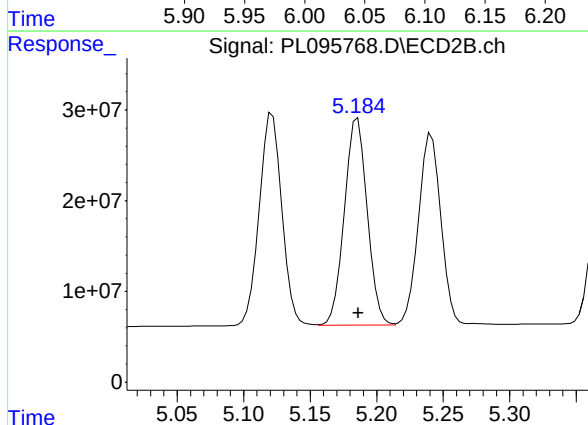
R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 277336423
Conc: 52.80 ng/ml



#11 alpha-Chlordane

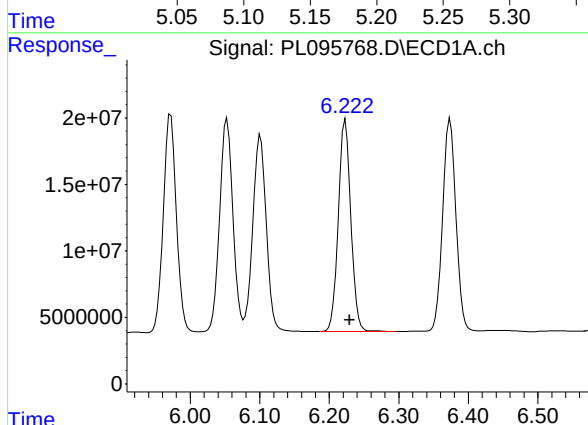
R.T.: 6.053 min
Delta R.T.: -0.006 min
Response: 213385260
Conc: 54.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



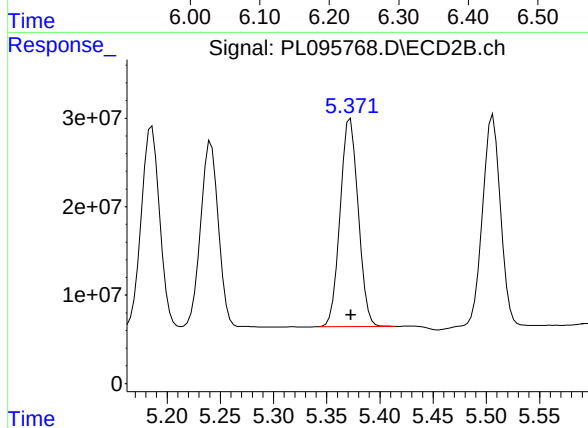
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 272871971
Conc: 52.45 ng/ml



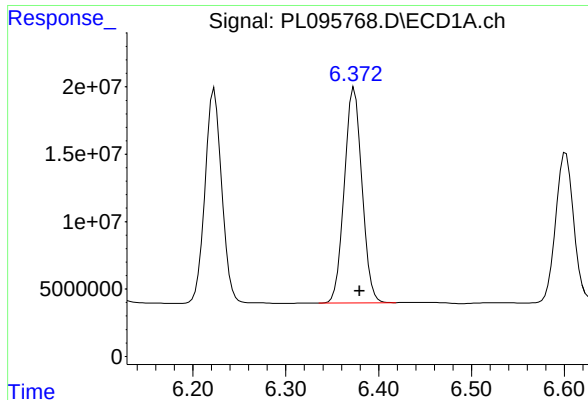
#12 4,4'-DDE

R.T.: 6.223 min
Delta R.T.: -0.006 min
Response: 199248341
Conc: 54.32 ng/ml



#12 4,4'-DDE

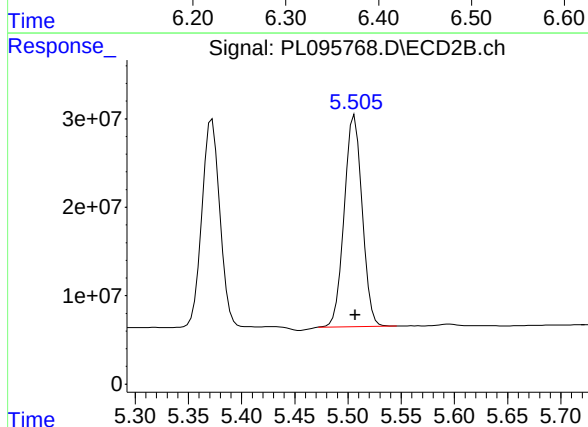
R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 277286104
Conc: 51.71 ng/ml



#13 Dieldrin

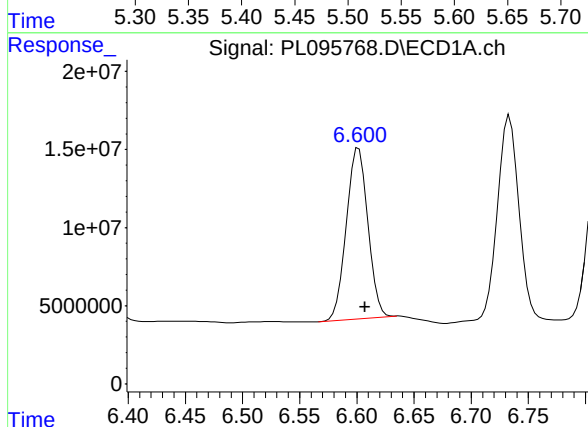
R.T.: 6.374 min
Delta R.T.: -0.006 min
Response: 210937382
Conc: 54.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



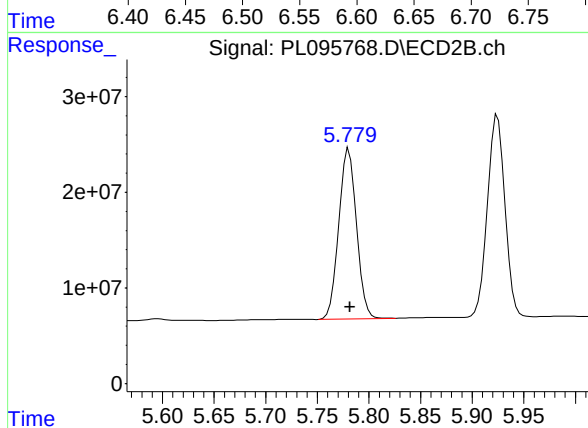
#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: 0.000 min
Response: 278633922
Conc: 52.57 ng/ml



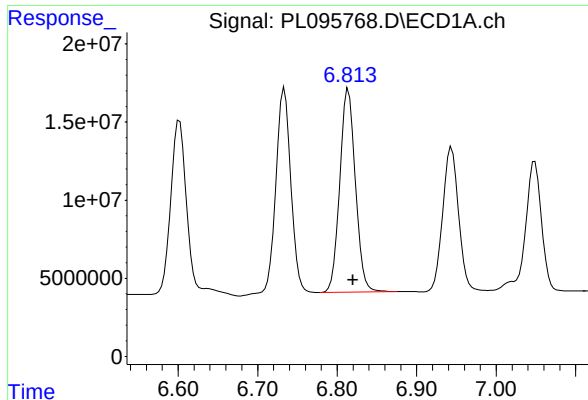
#14 Endrin

R.T.: 6.602 min
Delta R.T.: -0.005 min
Response: 144680736
Conc: 44.84 ng/ml



#14 Endrin

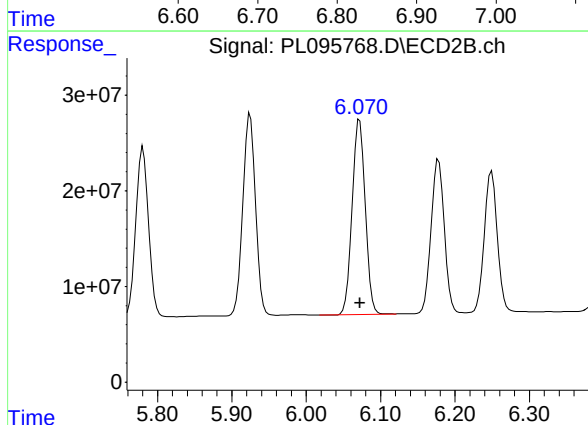
R.T.: 5.781 min
Delta R.T.: -0.001 min
Response: 213154818
Conc: 43.71 ng/ml



#15 Endosulfan II

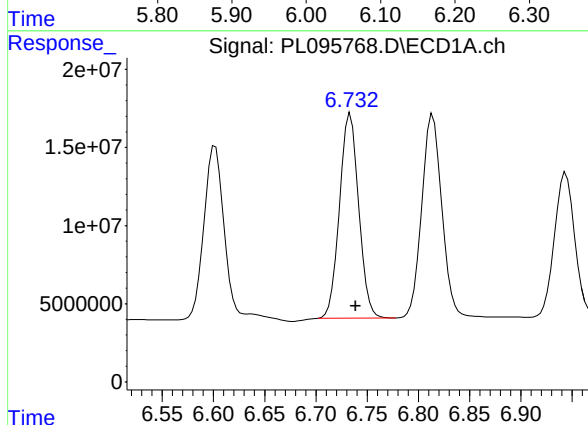
R.T.: 6.814 min
Delta R.T.: -0.006 min
Response: 177829322
Conc: 51.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



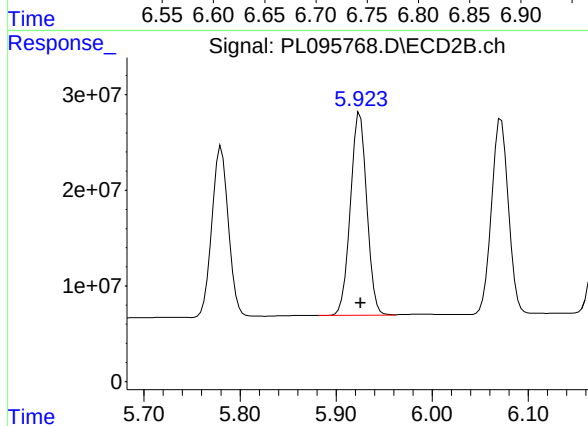
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 249910026
Conc: 52.59 ng/ml



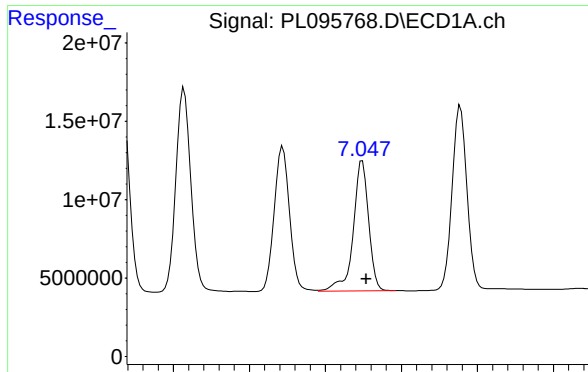
#16 4,4'-DDD

R.T.: 6.734 min
Delta R.T.: -0.005 min
Response: 169977094
Conc: 58.00 ng/ml



#16 4,4'-DDD

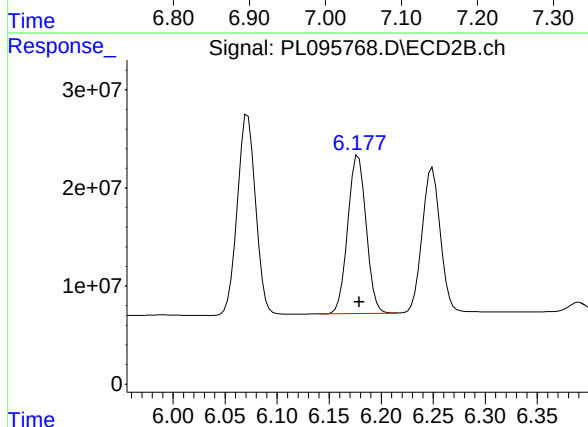
R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 250931514
Conc: 57.23 ng/ml



#17 4,4'-DDT

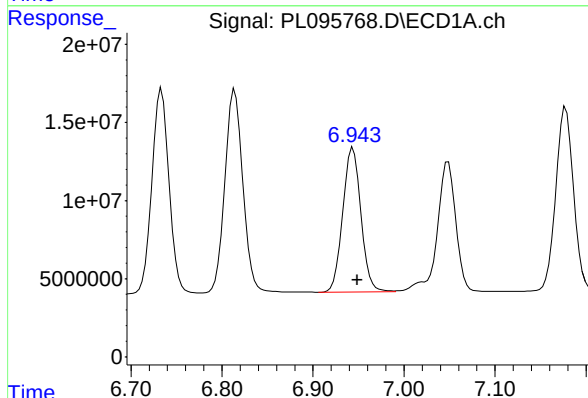
R.T.: 7.049 min
Delta R.T.: -0.005 min
Response: 117595874
Conc: 43.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



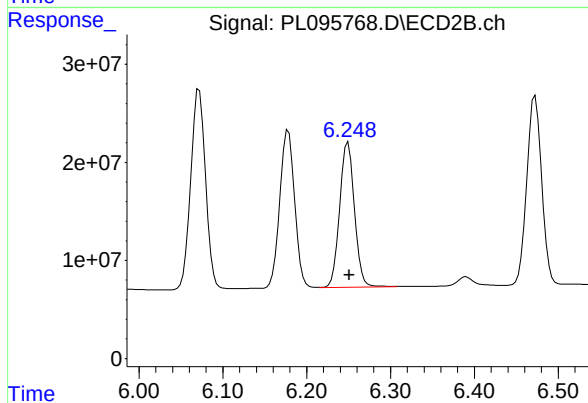
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: -0.001 min
Response: 198661969
Conc: 41.54 ng/ml



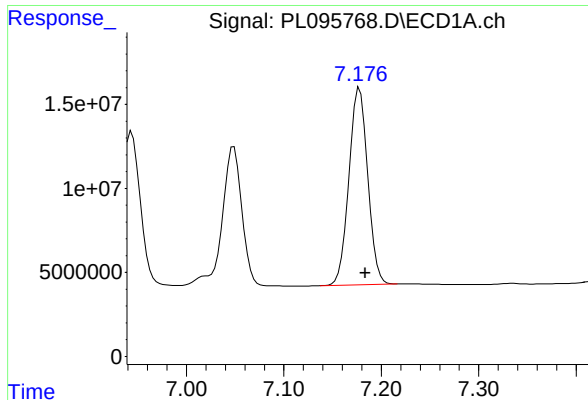
#18 Endrin aldehyde

R.T.: 6.944 min
Delta R.T.: -0.005 min
Response: 128800285
Conc: 53.28 ng/ml



#18 Endrin aldehyde

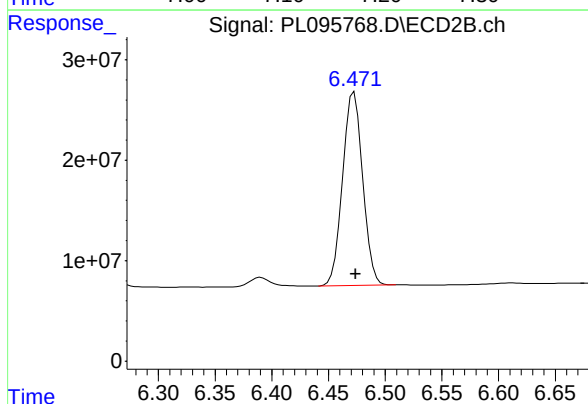
R.T.: 6.249 min
Delta R.T.: -0.001 min
Response: 181647520
Conc: 52.59 ng/ml



#19 Endosulfan Sulfate

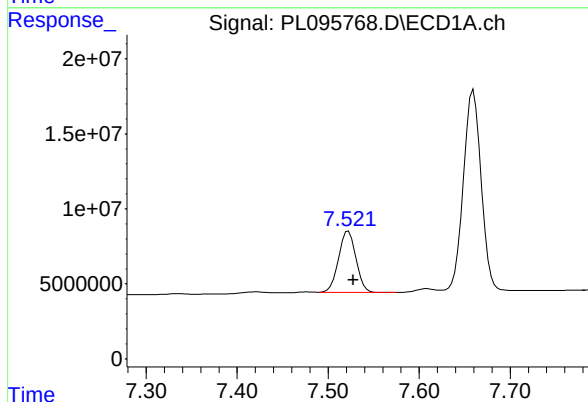
R.T.: 7.178 min
Delta R.T.: -0.006 min
Response: 157199883
Conc: 52.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



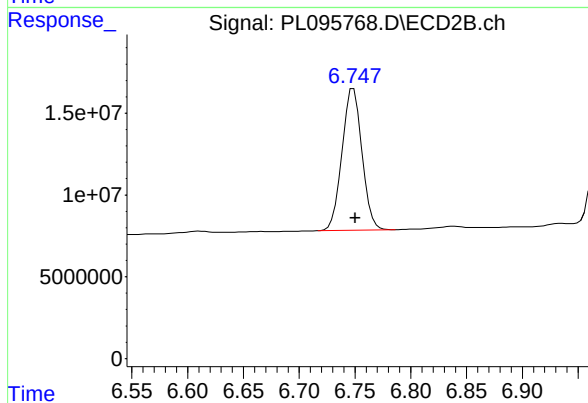
#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: -0.001 min
Response: 237268992
Conc: 52.79 ng/ml



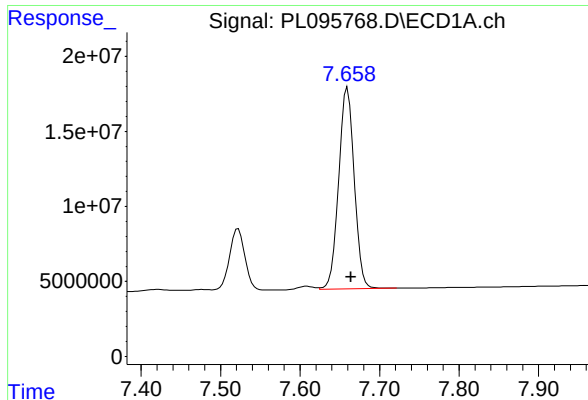
#20 Methoxychlor

R.T.: 7.522 min
Delta R.T.: -0.005 min
Response: 54170989
Conc: 42.48 ng/ml



#20 Methoxychlor

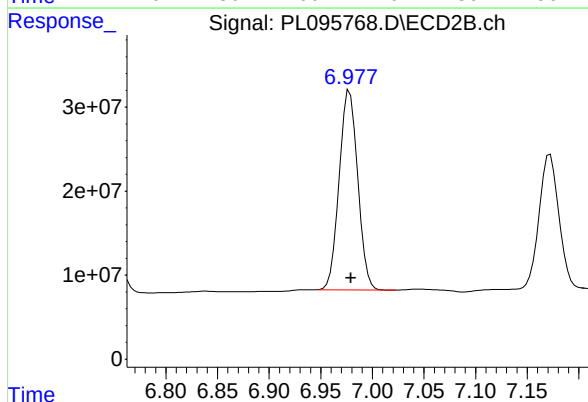
R.T.: 6.749 min
Delta R.T.: -0.002 min
Response: 107534872
Conc: 41.10 ng/ml



#21 Endrin ketone

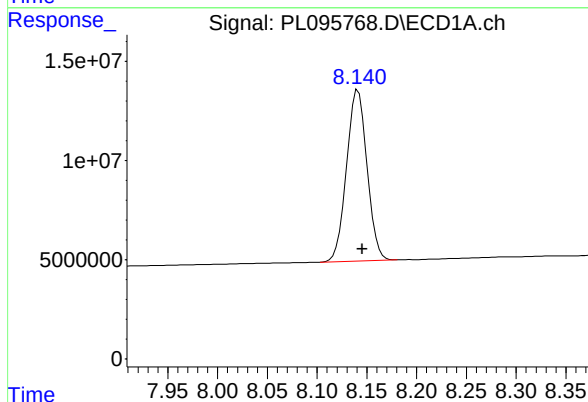
R.T.: 7.660 min
Delta R.T.: -0.005 min
Response: 183101286
Conc: 57.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



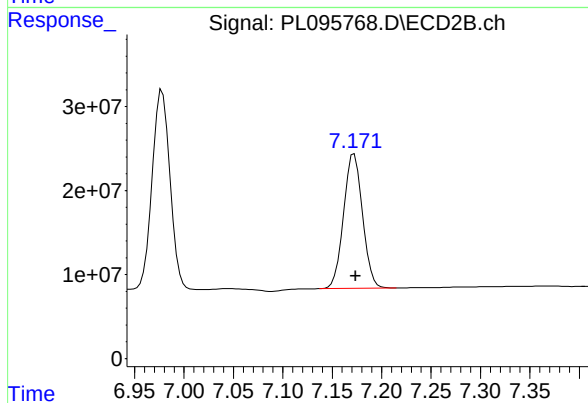
#21 Endrin ketone

R.T.: 6.978 min
Delta R.T.: -0.002 min
Response: 297103051
Conc: 57.42 ng/ml



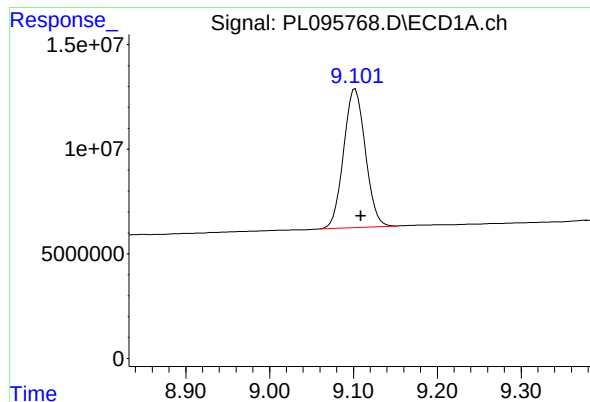
#22 Mirex

R.T.: 8.141 min
Delta R.T.: -0.004 min
Response: 123613176
Conc: 53.42 ng/ml



#22 Mirex

R.T.: 7.172 min
Delta R.T.: -0.001 min
Response: 213590417
Conc: 52.60 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.102 min

Delta R.T.: -0.007 min

Response: 119110537

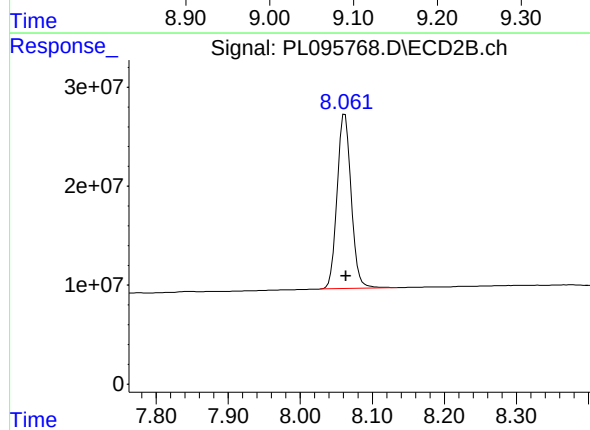
Conc: 50.55 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.062 min

Delta R.T.: -0.002 min

Response: 237971586

Conc: 54.40 ng/ml



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: Q2079 SAS No.: Q2079 SDG NO.: Q2079

Continuing Calib Date: 05/22/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 17:42 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: ENTA05

Lab Code: CHEM Case No.: Q2079 SAS No.: Q2079 SDG NO.: Q2079

Continuing Calib Date: 05/22/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 17:42 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: ENTA05
Lab Code: CHEM **Case No.:** Q2079 **SAS No.:** Q2079 **SDG NO.:** Q2079
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025
Client Sample No.: CCAL03 **Date Analyzed:** 05/22/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL095777.D **Time Analyzed:** 17:42

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.104	9.003	9.203	52.180	50.000	4.4
Endrin	6.602	6.502	6.702	45.900	50.000	-8.2
gamma-BHC (Lindane)	4.356	4.257	4.457	55.570	50.000	11.1
Heptachlor	4.954	4.855	5.055	52.110	50.000	4.2
Heptachlor epoxide	5.718	5.618	5.818	56.230	50.000	12.5
Methoxychlor	7.523	7.423	7.623	43.460	50.000	-13.1
Tetrachloro-m-xylene	3.573	3.473	3.673	55.450	50.000	10.9



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CALIBRATION VERIFICATION SUMMARY
Contract: ENTA05
Lab Code: CHEM **Case No.:** Q2079 **SAS No.:** Q2079 **SDG NO.:** Q2079
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/21/2025 05/21/2025
Client Sample No.: CCAL03 **Date Analyzed:** 05/22/2025
Lab Sample No.: PSTDCCC050 **Data File :** PL095777.D **Time Analyzed:** 17:42

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.063	7.964	8.164	55.650	50.000	11.3
Endrin	5.782	5.683	5.883	44.970	50.000	-10.1
gamma-BHC (Lindane)	3.730	3.630	3.830	54.810	50.000	9.6
Heptachlor	4.083	3.983	4.183	50.640	50.000	1.3
Heptachlor epoxide	4.870	4.771	4.971	54.700	50.000	9.4
Methoxychlor	6.750	6.651	6.851	41.650	50.000	-16.7
Tetrachloro-m-xylene	2.886	2.786	2.986	53.640	50.000	7.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052225\
 Data File : PL095777.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 17:42
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 22:42:26 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	174.9E6	210.0E6	55.447	53.643
28)	SA Decachlor...	9.104	8.063	123.0E6	243.4E6	52.182	55.647
Target Compounds							
2)	A alpha-BHC	4.025	3.396	273.0E6	325.9E6	56.322	55.645
3)	MA gamma-BHC...	4.356	3.730	248.5E6	307.0E6	55.569	54.814
4)	MA Heptachlor	4.954	4.083	197.2E6	284.0E6	52.107	50.639
5)	MB Aldrin	5.297	4.368	241.0E6	293.9E6	56.329	55.384
6)	B beta-BHC	4.544	4.026	108.4E6	134.0E6	54.999	54.099
7)	B delta-BHC	4.792	4.261	246.7E6	311.7E6	55.644	55.193
8)	B Heptachlo...	5.718	4.870	214.6E6	270.1E6	56.230	54.695
9)	A Endosulfan I	6.102	5.242	203.8E6	259.8E6	55.597	54.524
10)	B gamma-Chl...	5.973	5.123	220.2E6	287.3E6	56.571	54.693
11)	B alpha-Chl...	6.054	5.187	218.6E6	282.0E6	55.363	54.196
12)	B 4,4'-DDE	6.225	5.373	201.9E6	286.1E6	55.032	53.355
13)	MA Dieldrin	6.375	5.507	217.8E6	286.5E6	56.429	54.060
14)	MA Endrin	6.602	5.782	148.1E6	219.3E6	45.905	44.970
15)	B Endosulfa...	6.815	6.073	183.1E6	254.9E6	53.128	53.650
16)	A 4,4'-DDD	6.735	5.926	175.1E6	257.3E6	59.750	58.669
17)	MA 4,4'-DDT	7.050	6.179	120.5E6	202.9E6	44.533	42.435
18)	B Endrin al...	6.944	6.251	133.5E6	188.9E6	55.234	54.694
19)	B Endosulfa...	7.179	6.474	163.8E6	243.4E6	54.841	54.156
20)	A Methoxychlor	7.523	6.750	55429880	109.0E6	43.463	41.653
21)	B Endrin ke...	7.660	6.980	189.0E6	306.4E6	59.672	59.221
22)	Mirex	8.142	7.174	127.5E6	220.7E6	55.102	54.356

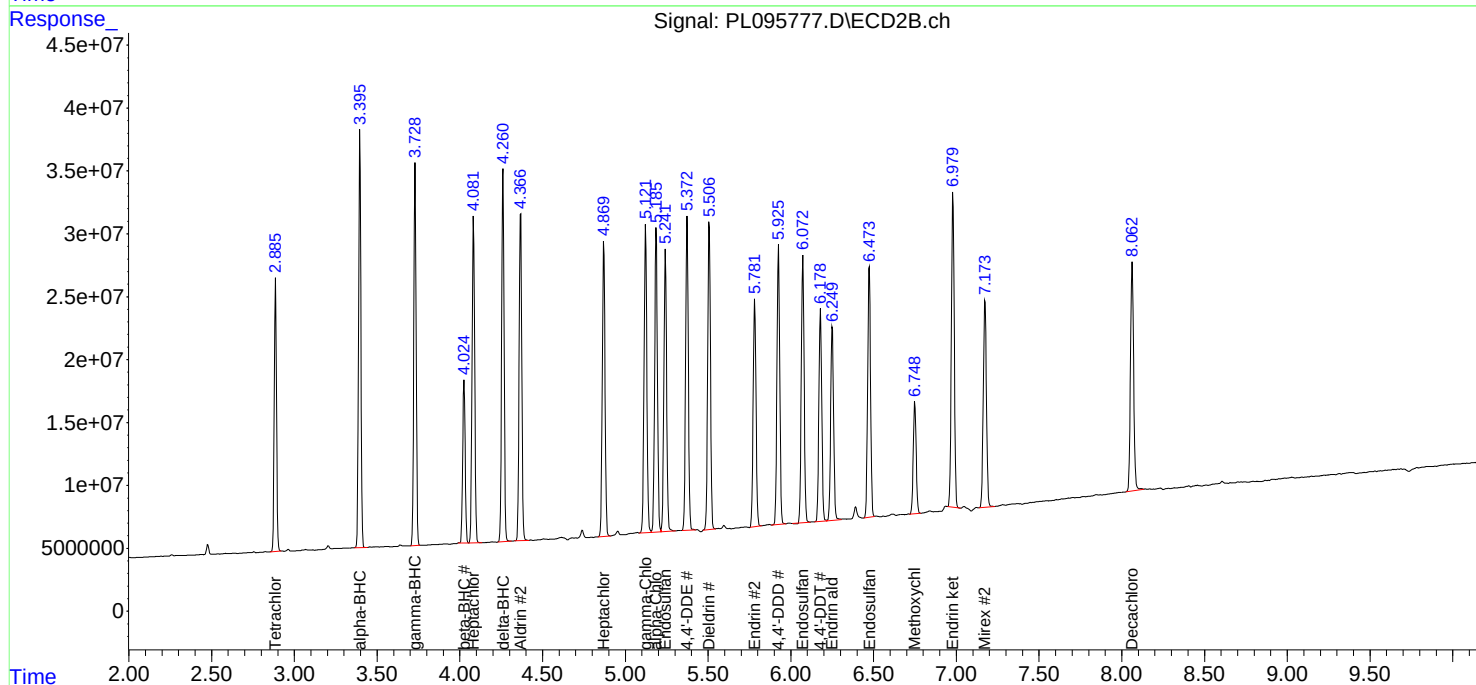
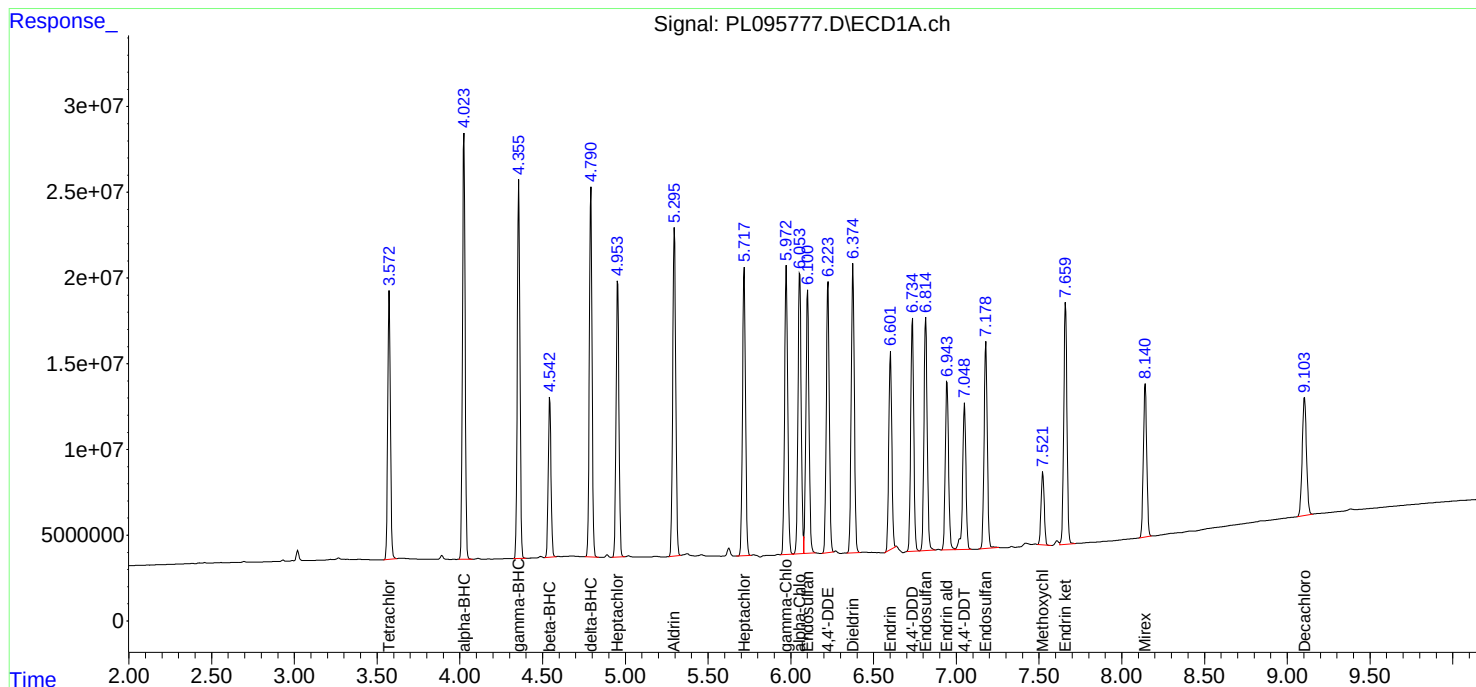
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

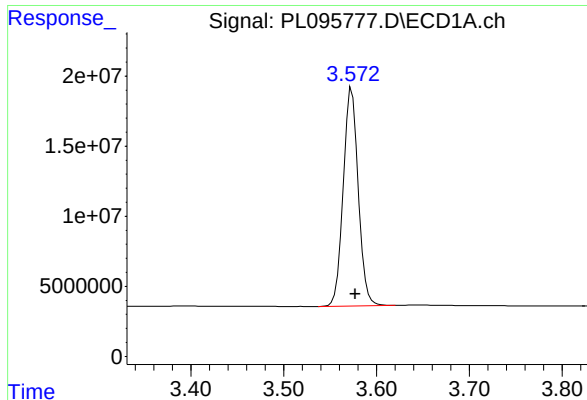
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052225\
Data File : PL095777.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 17:42
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 22:42:26 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

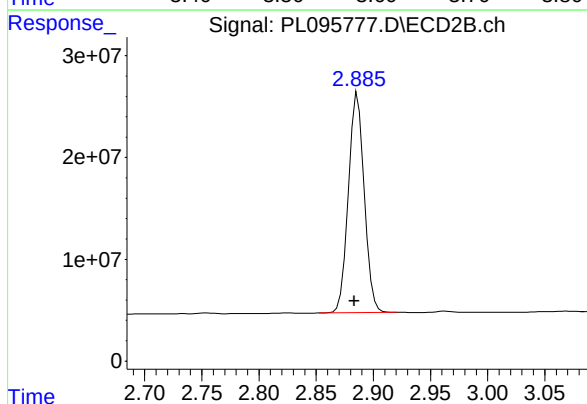




#1 Tetrachloro-m-xylene

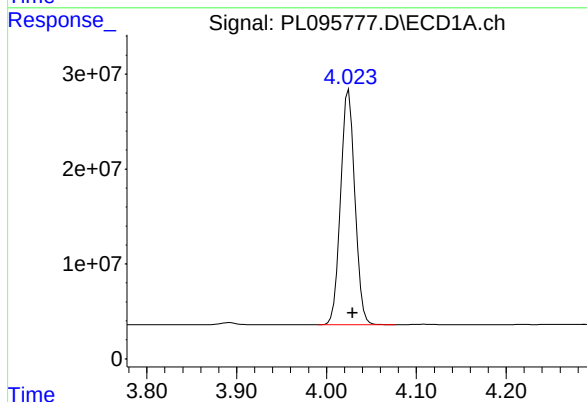
R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 174949522
Conc: 55.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



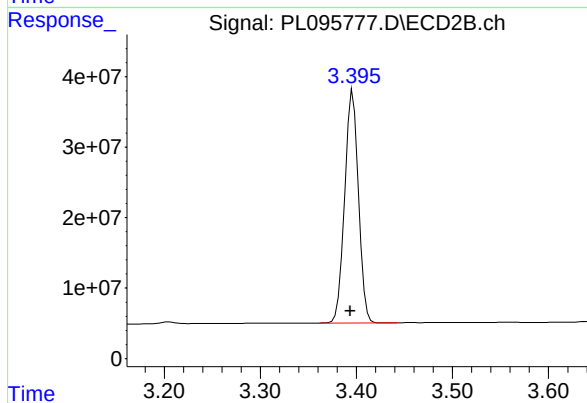
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.003 min
Response: 209956420
Conc: 53.64 ng/ml



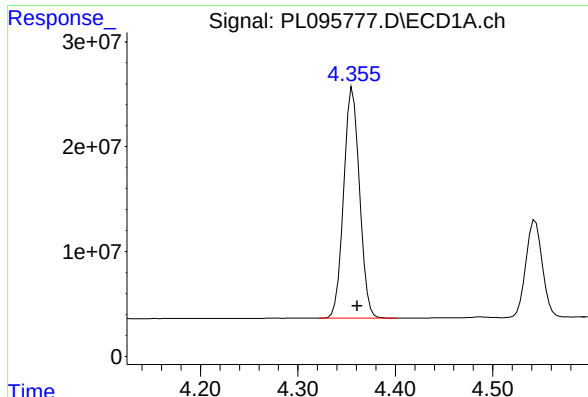
#2 alpha-BHC

R.T.: 4.025 min
Delta R.T.: -0.004 min
Response: 273046894
Conc: 56.32 ng/ml



#2 alpha-BHC

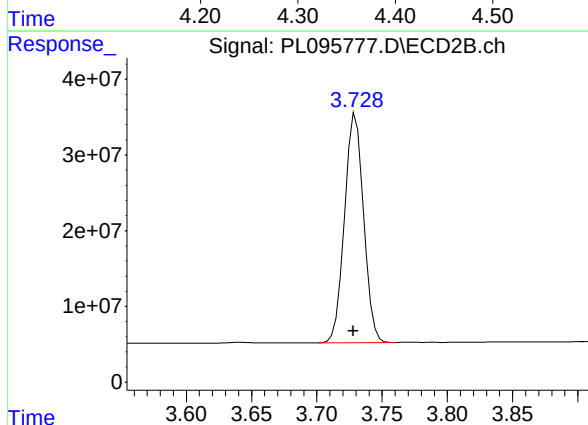
R.T.: 3.396 min
Delta R.T.: 0.002 min
Response: 325929680
Conc: 55.64 ng/ml



#3 gamma-BHC (Lindane)

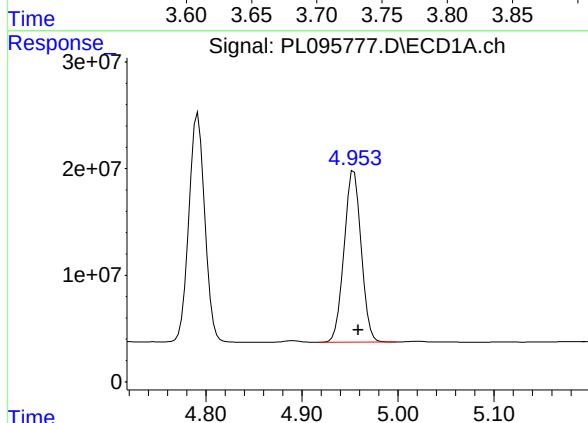
R.T.: 4.356 min
Delta R.T.: -0.005 min
Response: 248497236
Conc: 55.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



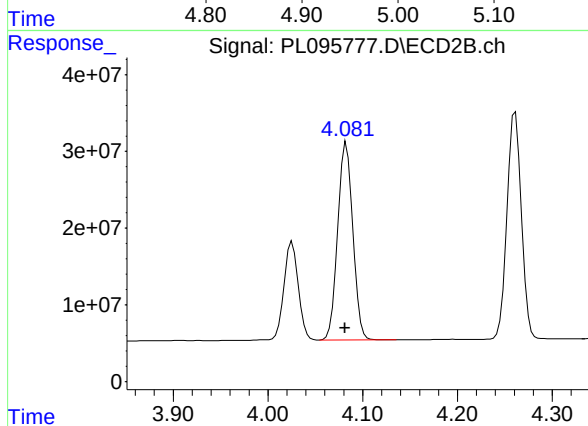
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.002 min
Response: 307025671
Conc: 54.81 ng/ml



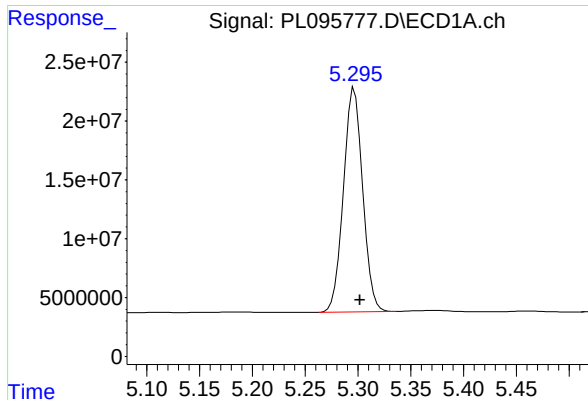
#4 Heptachlor

R.T.: 4.954 min
Delta R.T.: -0.005 min
Response: 197227655
Conc: 52.11 ng/ml



#4 Heptachlor

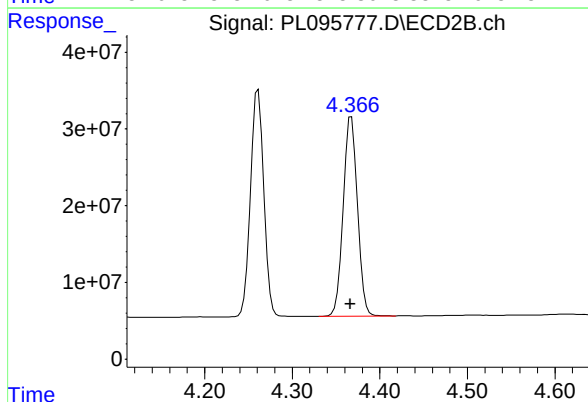
R.T.: 4.083 min
Delta R.T.: 0.002 min
Response: 284035655
Conc: 50.64 ng/ml



#5 Aldrin

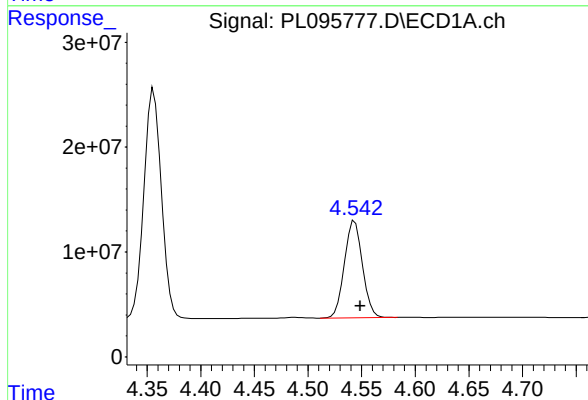
R.T.: 5.297 min
Delta R.T.: -0.005 min
Response: 240961499
Conc: 56.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



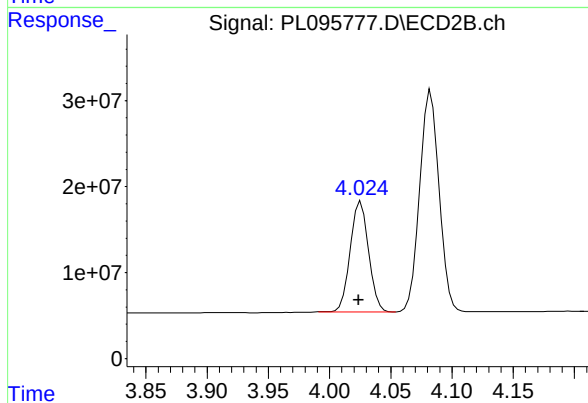
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.001 min
Response: 293930007
Conc: 55.38 ng/ml



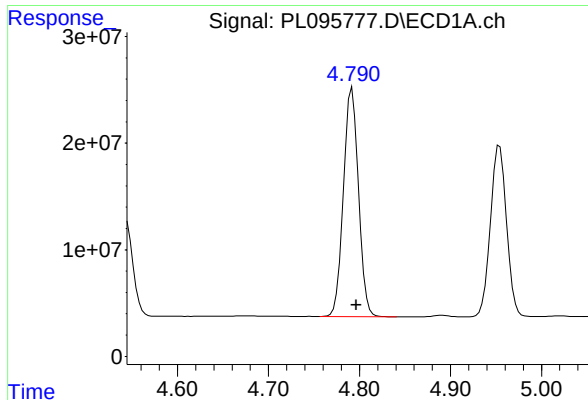
#6 beta-BHC

R.T.: 4.544 min
Delta R.T.: -0.005 min
Response: 108423700
Conc: 55.00 ng/ml



#6 beta-BHC

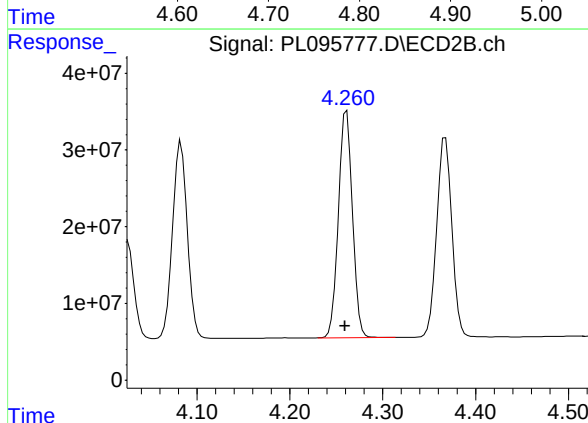
R.T.: 4.026 min
Delta R.T.: 0.002 min
Response: 134033448
Conc: 54.10 ng/ml



#7 delta-BHC

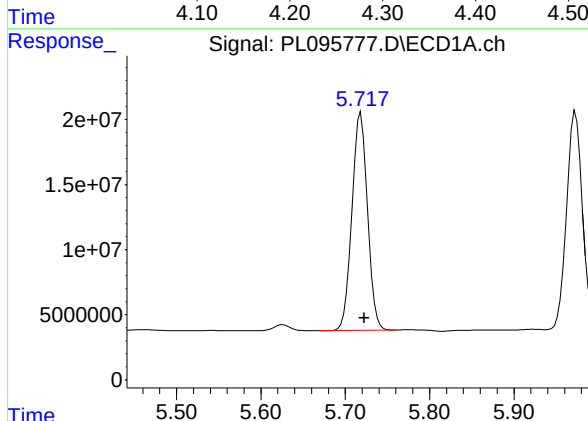
R.T.: 4.792 min
Delta R.T.: -0.005 min
Response: 246702497
Conc: 55.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



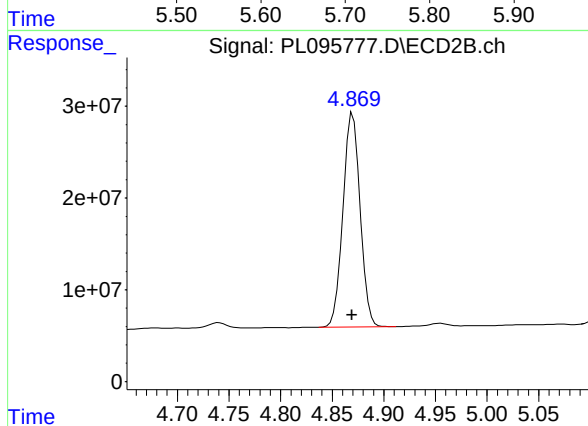
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: 0.002 min
Response: 311694555
Conc: 55.19 ng/ml



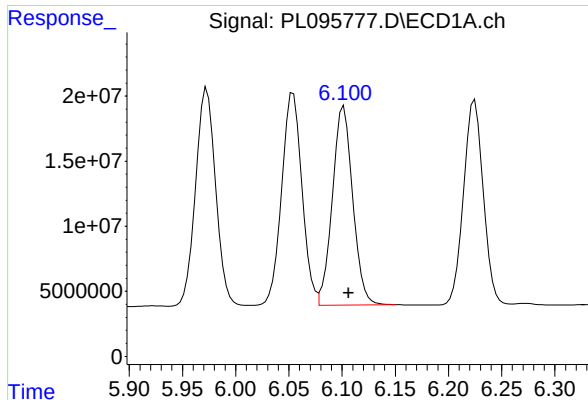
#8 Heptachlor epoxide

R.T.: 5.718 min
Delta R.T.: -0.004 min
Response: 214620995
Conc: 56.23 ng/ml



#8 Heptachlor epoxide

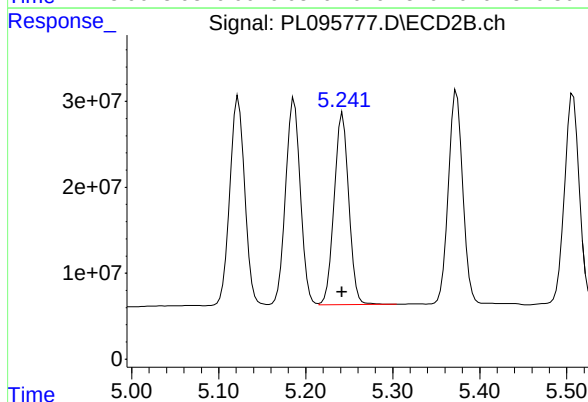
R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 270052749
Conc: 54.70 ng/ml



#9 Endosulfan I

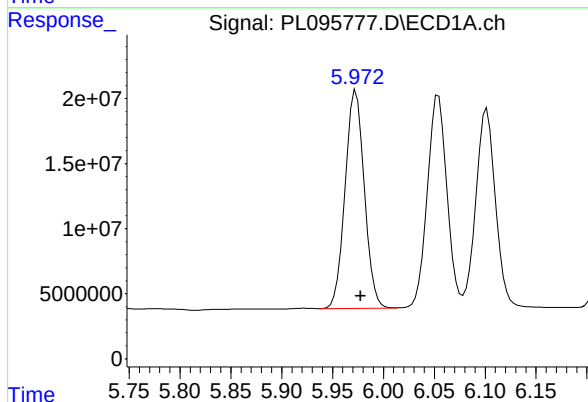
R.T.: 6.102 min
Delta R.T.: -0.004 min
Response: 203753534
Conc: 55.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



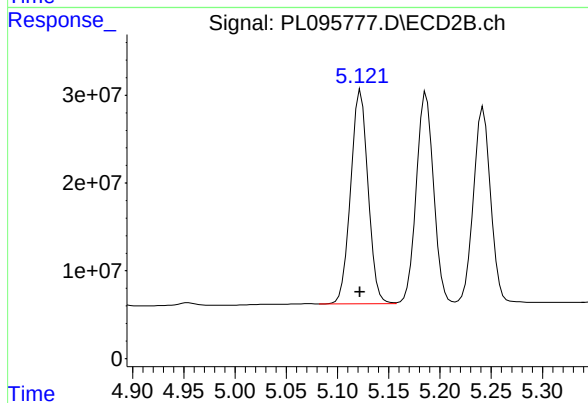
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 259804381
Conc: 54.52 ng/ml



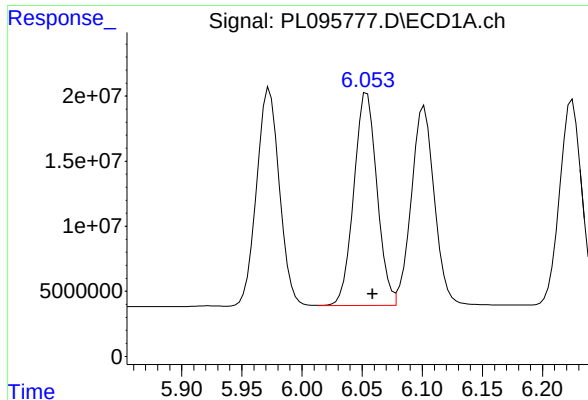
#10 gamma-Chlordane

R.T.: 5.973 min
Delta R.T.: -0.005 min
Response: 220179655
Conc: 56.57 ng/ml



#10 gamma-Chlordane

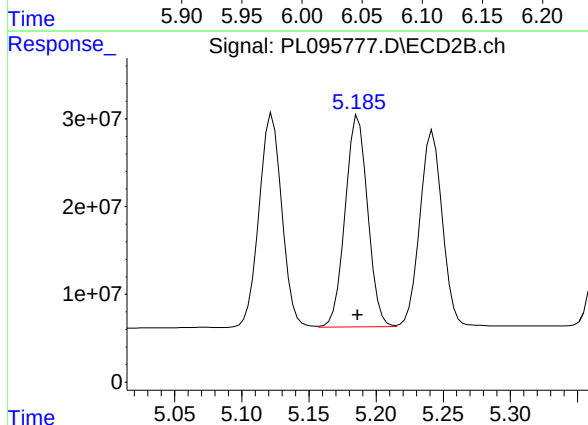
R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 287284488
Conc: 54.69 ng/ml



#11 alpha-Chlordane

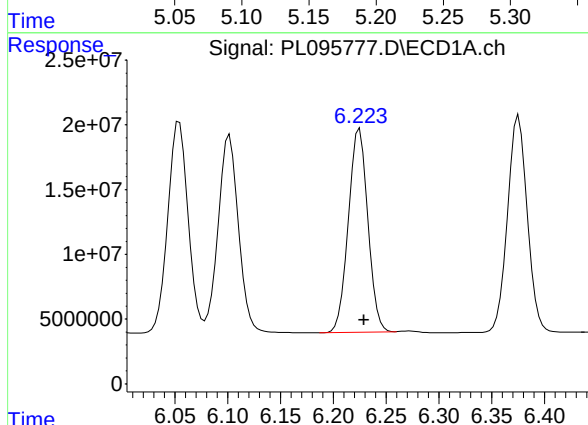
R.T.: 6.054 min
Delta R.T.: -0.005 min
Response: 218583254
Conc: 55.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



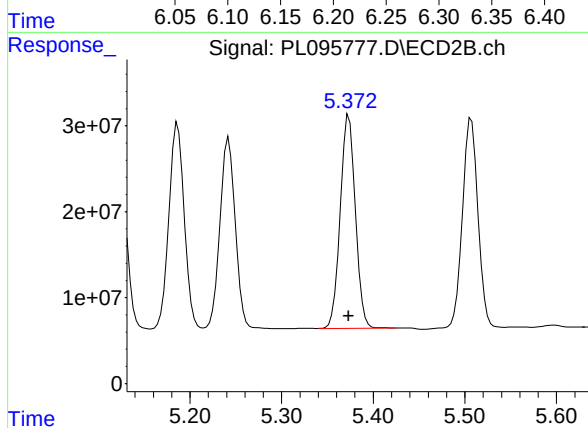
#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 281969214
Conc: 54.20 ng/ml



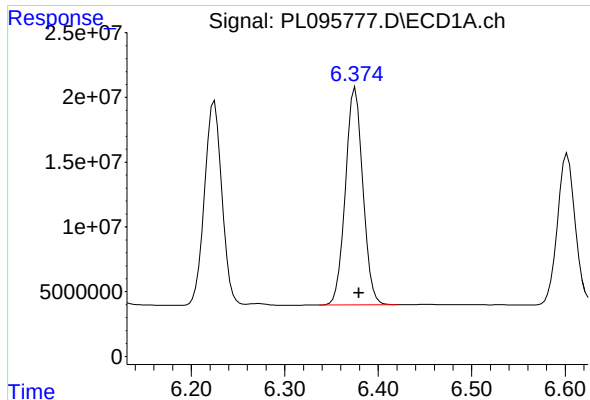
#12 4,4'-DDE

R.T.: 6.225 min
Delta R.T.: -0.004 min
Response: 201851403
Conc: 55.03 ng/ml



#12 4,4'-DDE

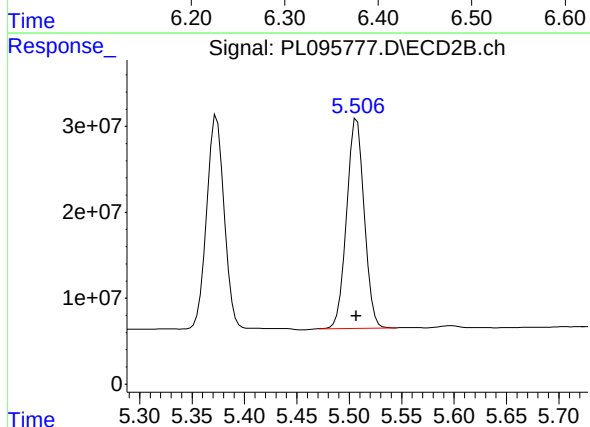
R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 286100526
Conc: 53.36 ng/ml



#13 Dieldrin

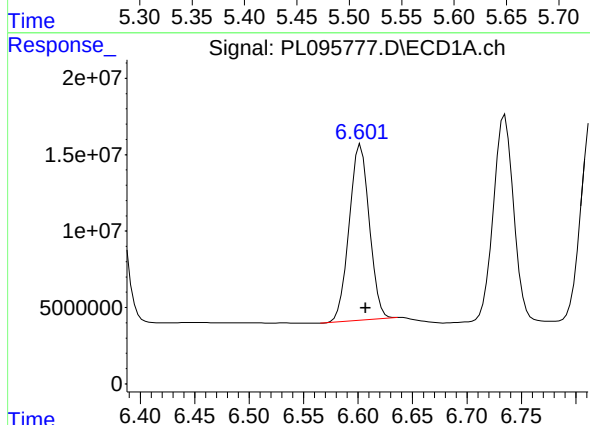
R.T.: 6.375 min
Delta R.T.: -0.004 min
Response: 217768374
Conc: 56.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



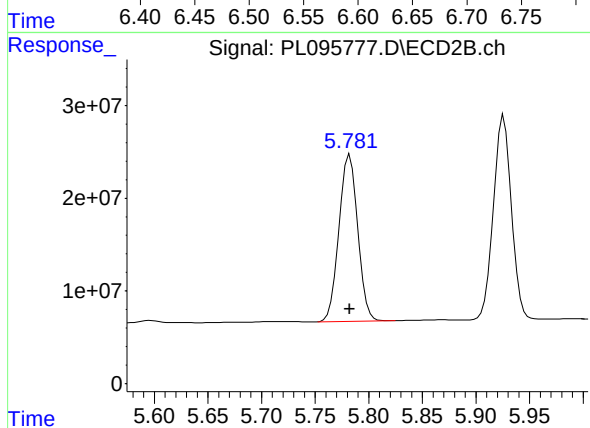
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 286522708
Conc: 54.06 ng/ml



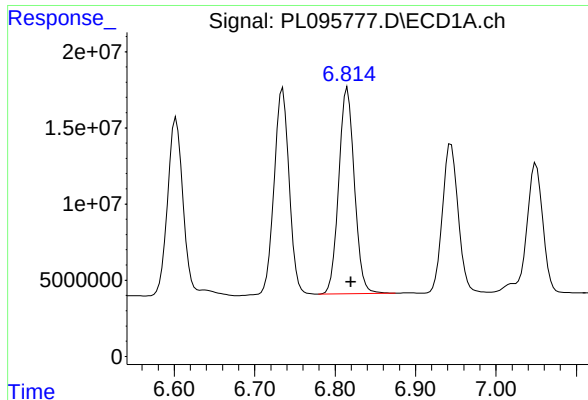
#14 Endrin

R.T.: 6.602 min
Delta R.T.: -0.005 min
Response: 148122774
Conc: 45.90 ng/ml



#14 Endrin

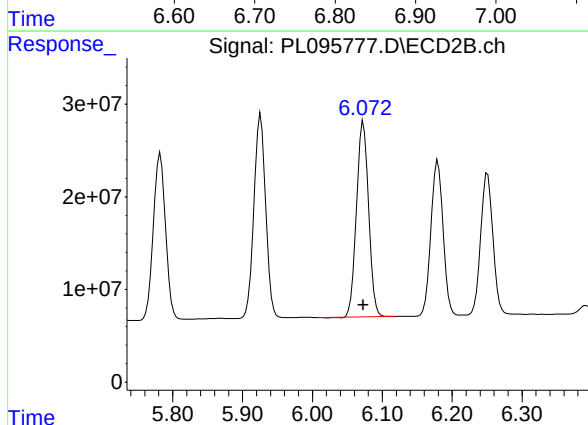
R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 219277093
Conc: 44.97 ng/ml



#15 Endosulfan II

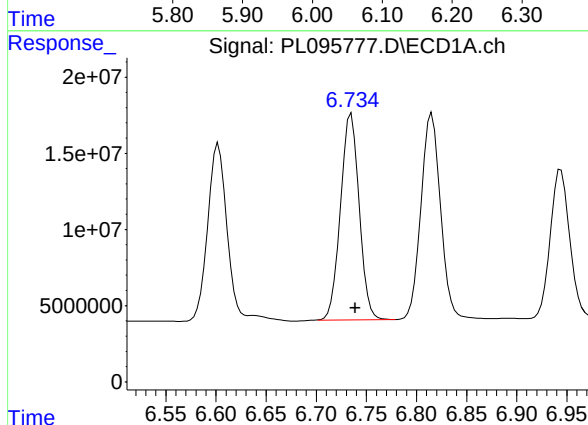
R.T.: 6.815 min
Delta R.T.: -0.005 min
Response: 183081153
Conc: 53.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



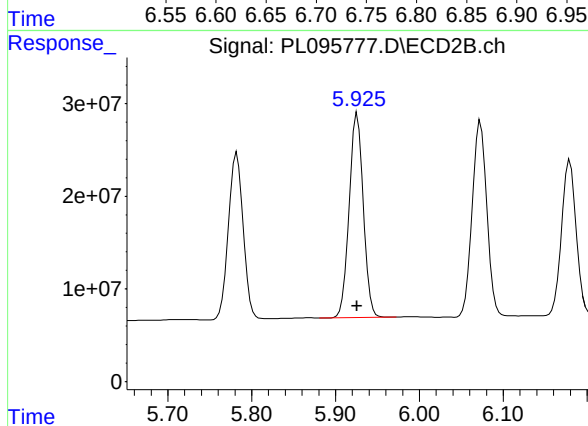
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 254934116
Conc: 53.65 ng/ml



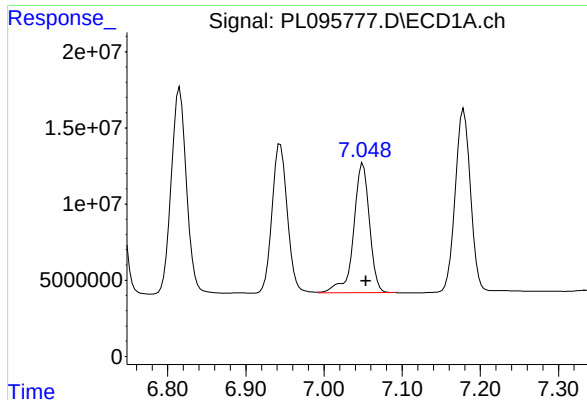
#16 4,4'-DDD

R.T.: 6.735 min
Delta R.T.: -0.004 min
Response: 175105076
Conc: 59.75 ng/ml



#16 4,4'-DDD

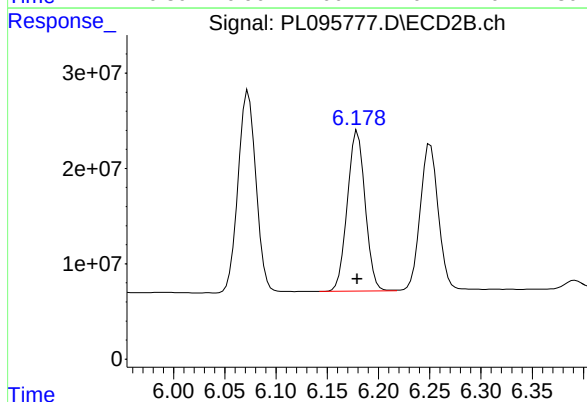
R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 257257967
Conc: 58.67 ng/ml



#17 4,4'-DDT

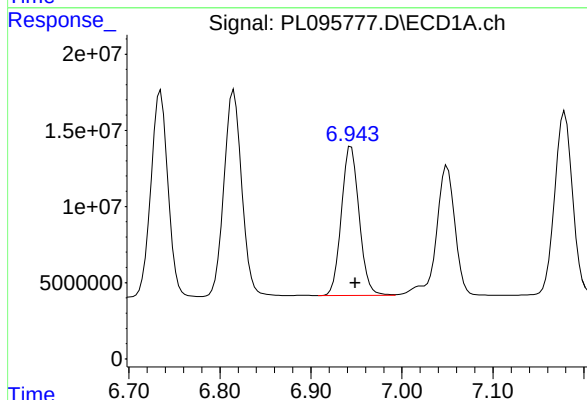
R.T.: 7.050 min
Delta R.T.: -0.004 min
Response: 120467919
Conc: 44.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



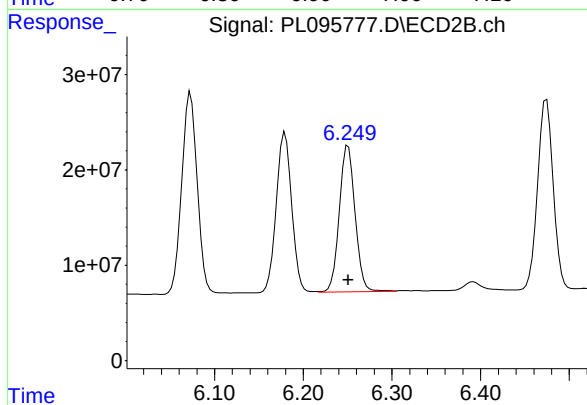
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 202947727
Conc: 42.43 ng/ml



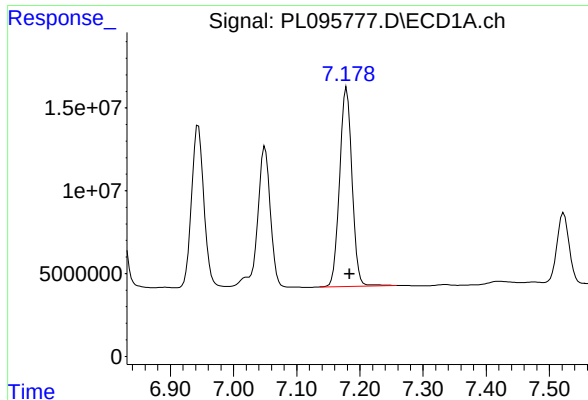
#18 Endrin aldehyde

R.T.: 6.944 min
Delta R.T.: -0.005 min
Response: 133534585
Conc: 55.23 ng/ml



#18 Endrin aldehyde

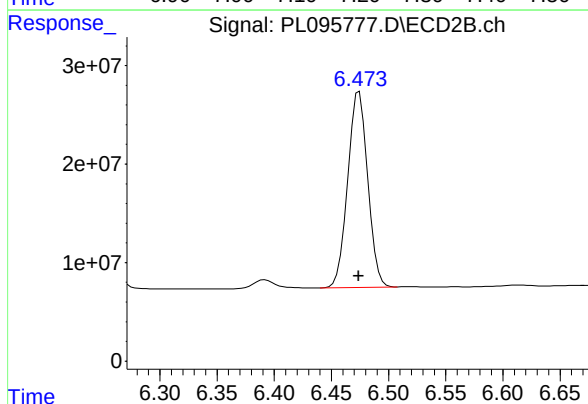
R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 188929226
Conc: 54.69 ng/ml



#19 Endosulfan Sulfate

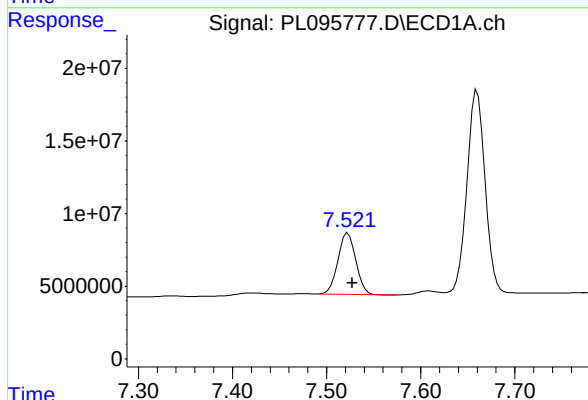
R.T.: 7.179 min
Delta R.T.: -0.004 min
Response: 163806884
Conc: 54.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



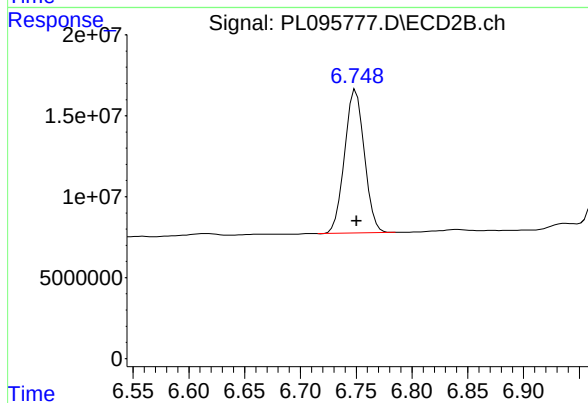
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 243417497
Conc: 54.16 ng/ml



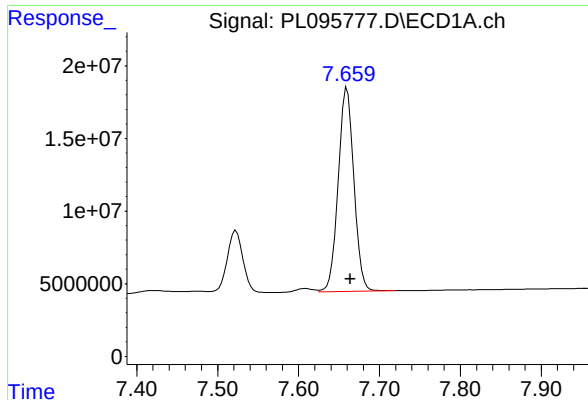
#20 Methoxychlor

R.T.: 7.523 min
Delta R.T.: -0.005 min
Response: 55429880
Conc: 43.46 ng/ml



#20 Methoxychlor

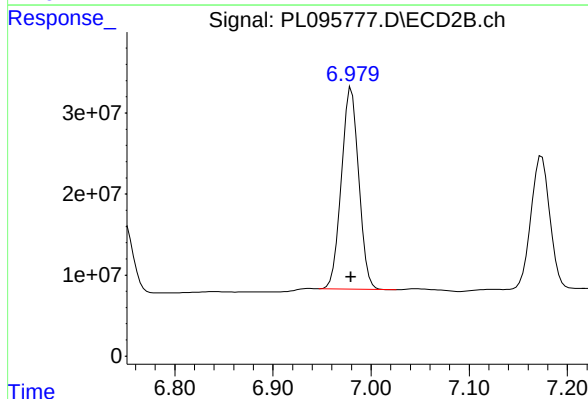
R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 108968053
Conc: 41.65 ng/ml



#21 Endrin ketone

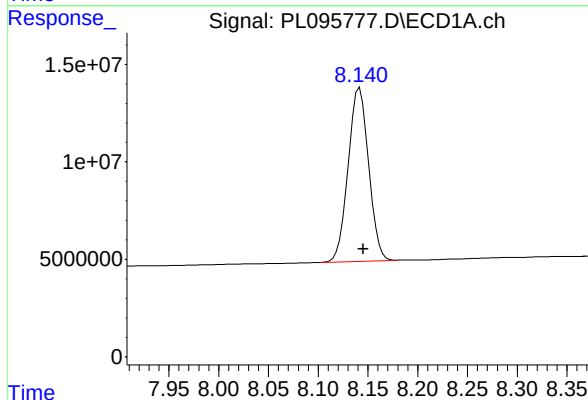
R.T.: 7.660 min
Delta R.T.: -0.004 min
Response: 188974493
Conc: 59.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



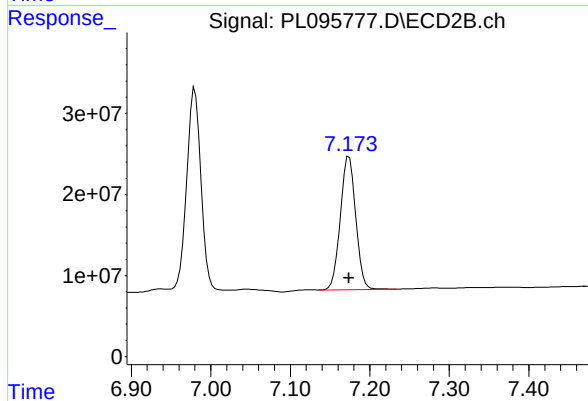
#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: 0.000 min
Response: 306399291
Conc: 59.22 ng/ml



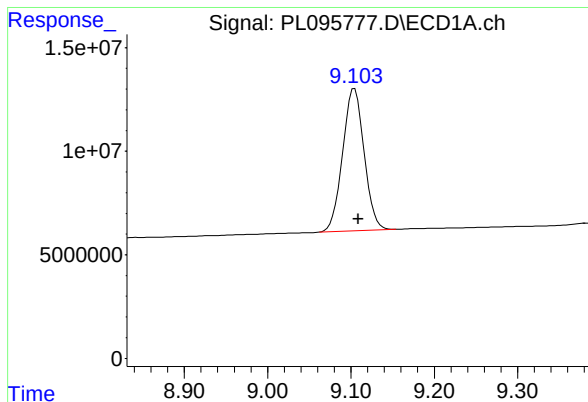
#22 Mirex

R.T.: 8.142 min
Delta R.T.: -0.004 min
Response: 127492705
Conc: 55.10 ng/ml



#22 Mirex

R.T.: 7.174 min
Delta R.T.: 0.000 min
Response: 220713100
Conc: 54.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.104 min

Delta R.T.: -0.005 min

Response: 122957233

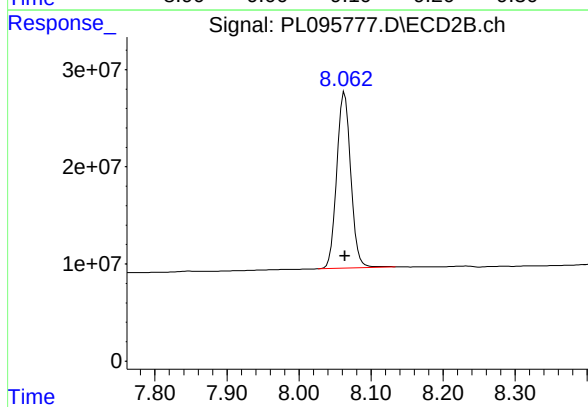
Conc: 52.18 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 8.063 min

Delta R.T.: 0.000 min

Response: 243426889

Conc: 55.65 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: ENTA05

Lab Code: CHEM Case No.: Q2079 SAS No.: Q2079 SDG NO.: Q2079

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

PEM
 Data File: 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

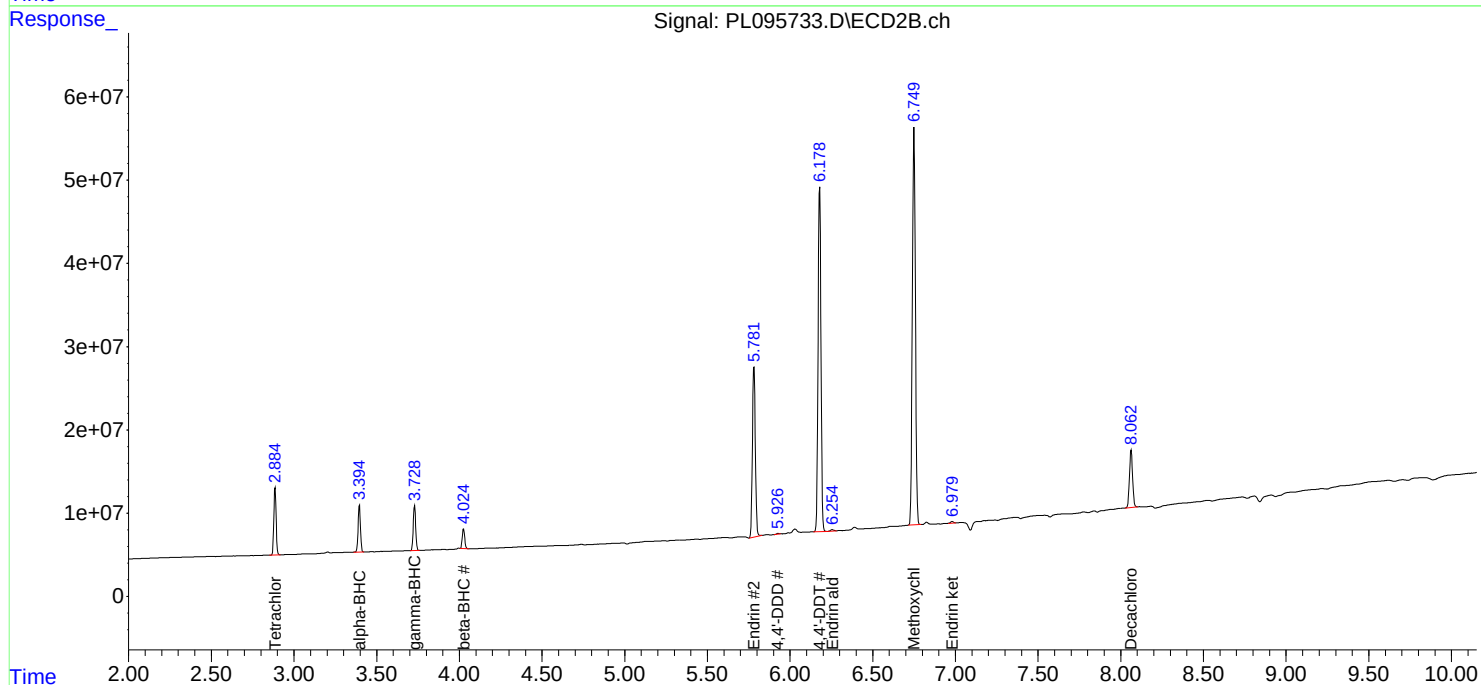
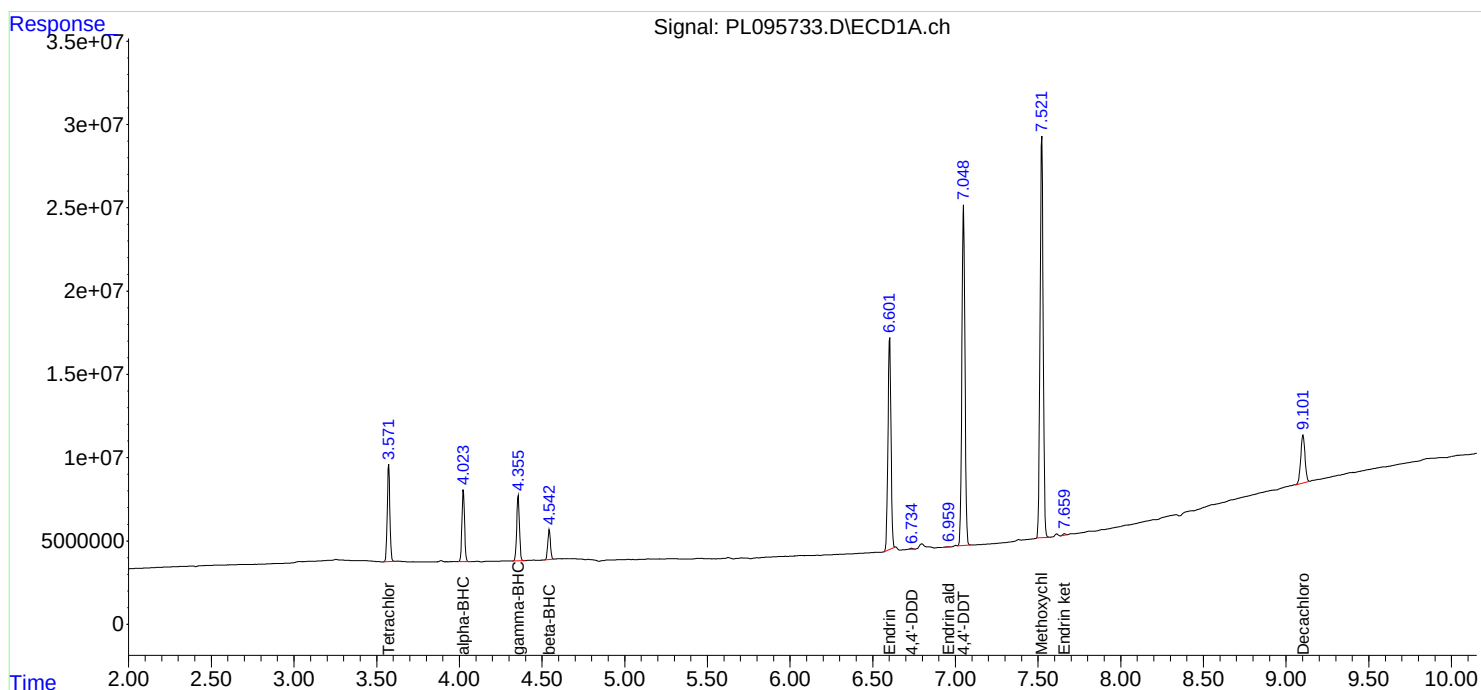
Instrument :
ECD_L
ClientSampleId :
PEM

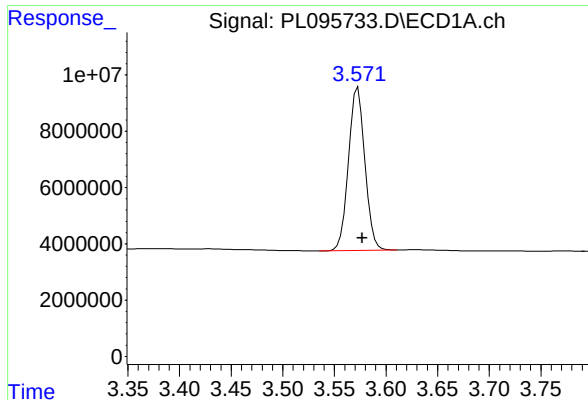
Manual Integrations
APPROVED

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





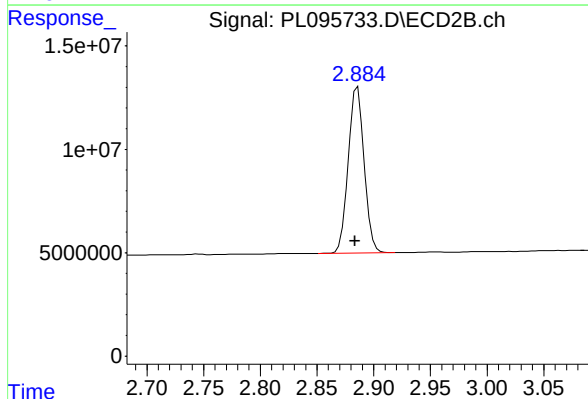
#1 Tetrachloro-m-xylene

R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 64039504
Conc: 20.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

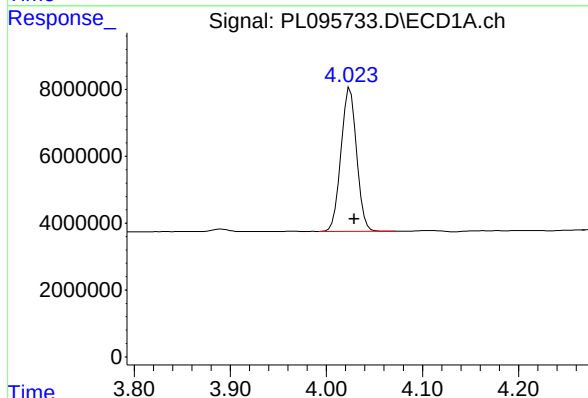
Manual Integrations
APPROVED

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



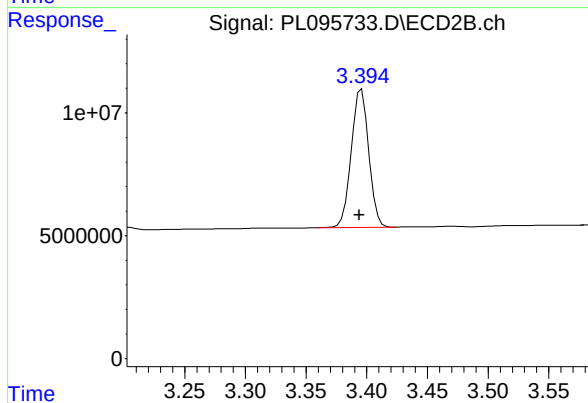
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 78171856
Conc: 19.97 ng/ml



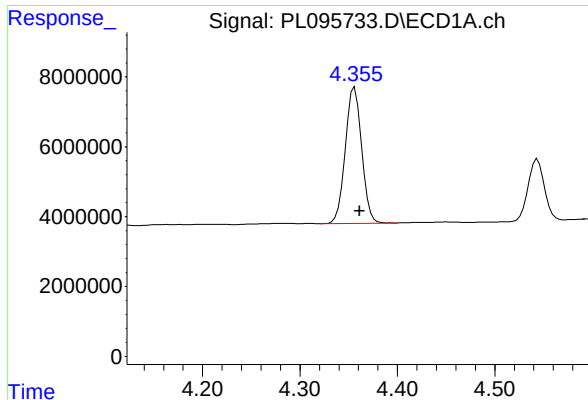
#2 alpha-BHC

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



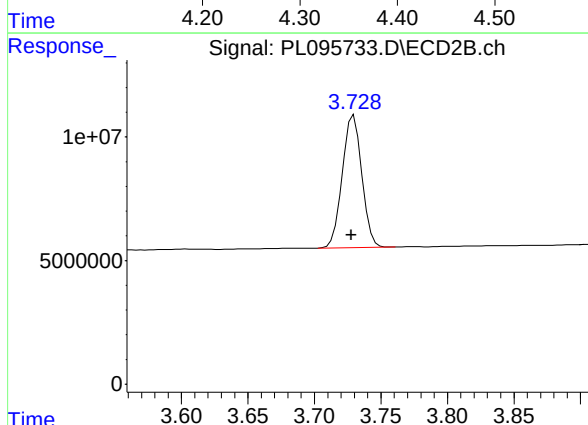
#3 gamma-BHC (Lindane)

R.T.: 4.356 min
Delta R.T.: -0.005 min
Response: 45268364
Conc: 10.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

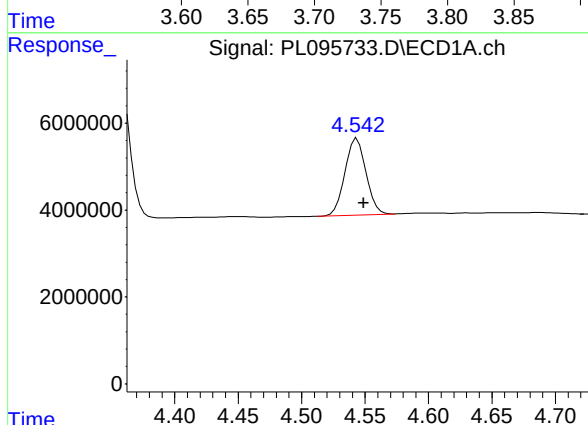
Manual Integrations
APPROVED

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



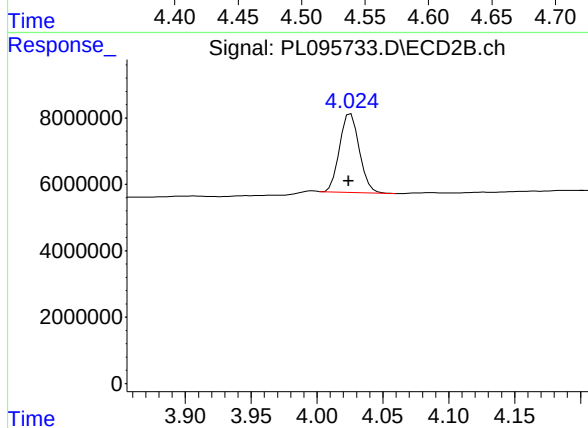
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.002 min
Response: 54712345
Conc: 9.77 ng/ml



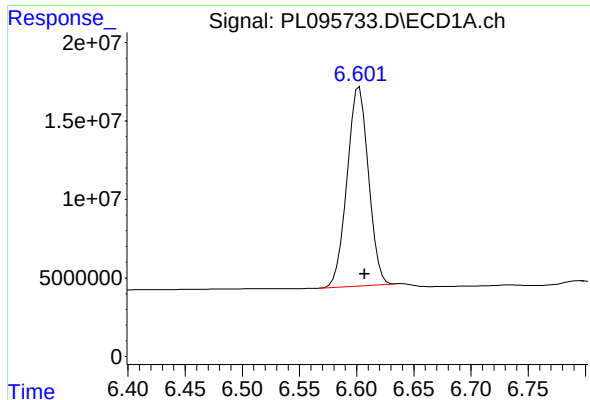
#6 beta-BHC

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



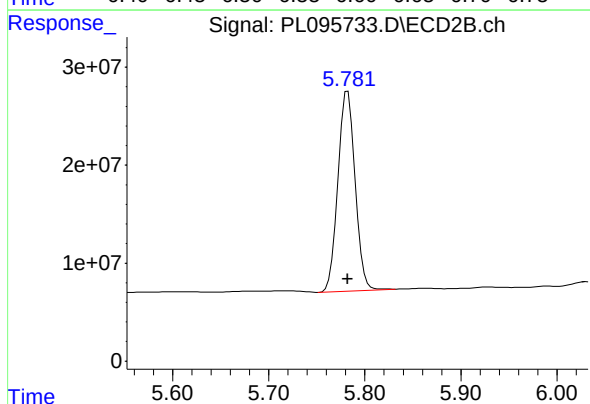
#14 Endrin

R.T.: 6.602 min
Delta R.T.: -0.005 min
Response: 166199539
Conc: 51.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

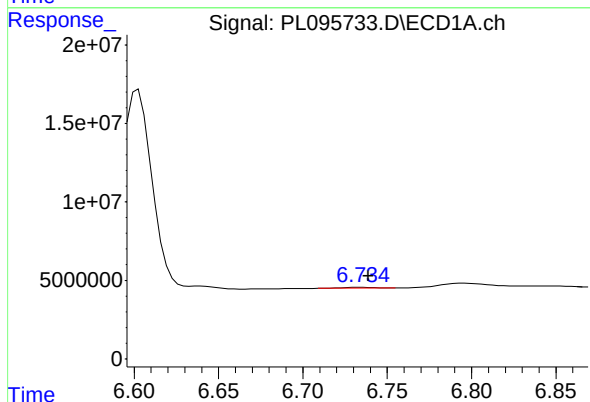
Manual Integrations
APPROVED

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



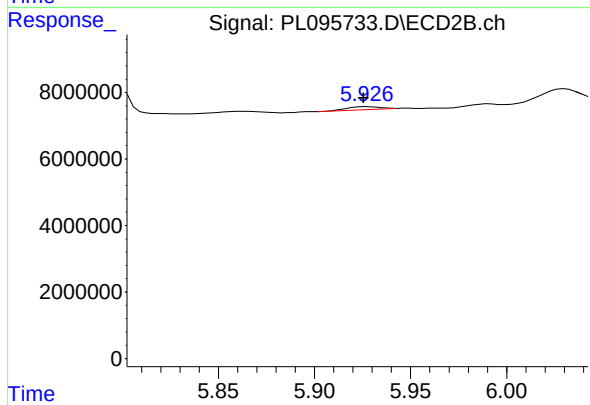
#14 Endrin

R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 250406859
Conc: 51.35 ng/ml



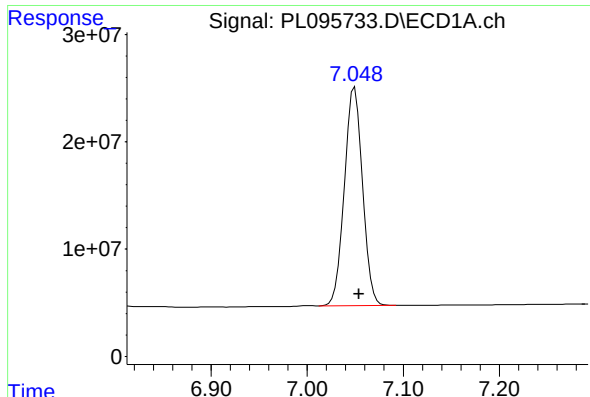
#16 4,4'-DDD

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



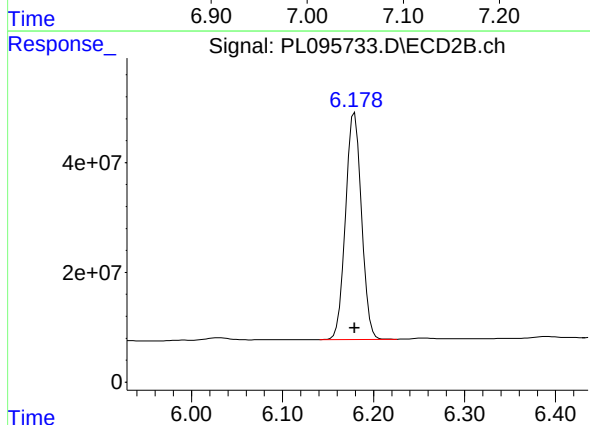
#17 4,4'-DDT

R.T.: 7.049 min
Delta R.T.: -0.005 min
Response: 266081984
Conc: 98.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

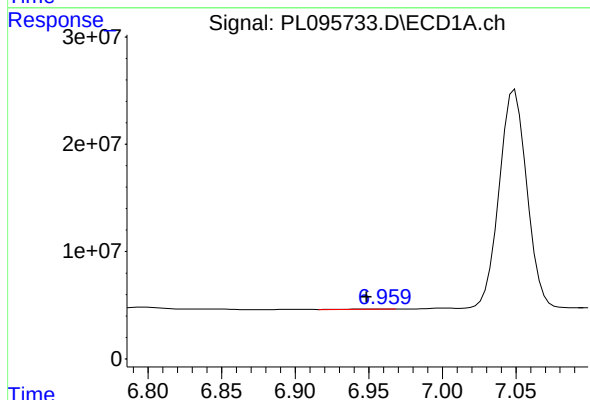
Manual Integrations
APPROVED

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



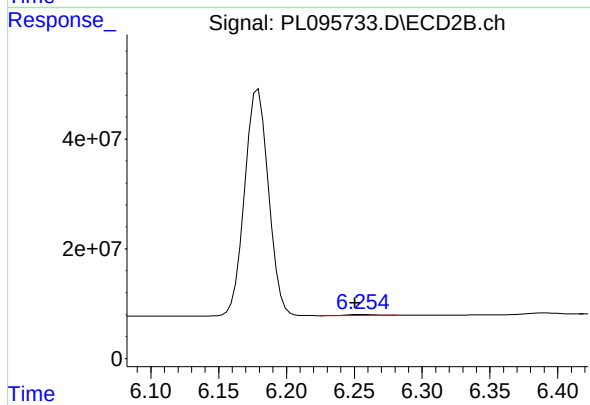
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 505004528
Conc: 105.59 ng/ml



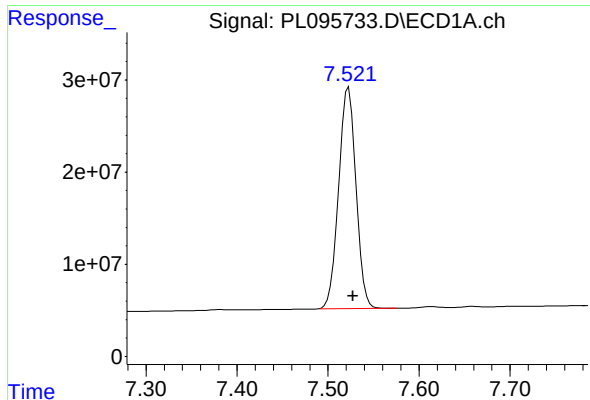
#18 Endrin aldehyde

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



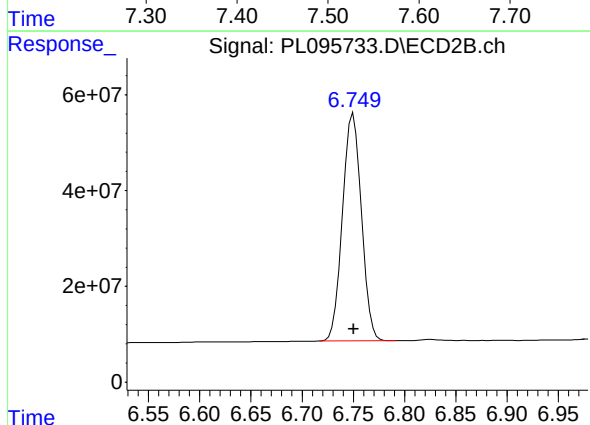
#20 Methoxychlor

R.T.: 7.523 min
Delta R.T.: -0.005 min
Response: 317731063
Conc: 249.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

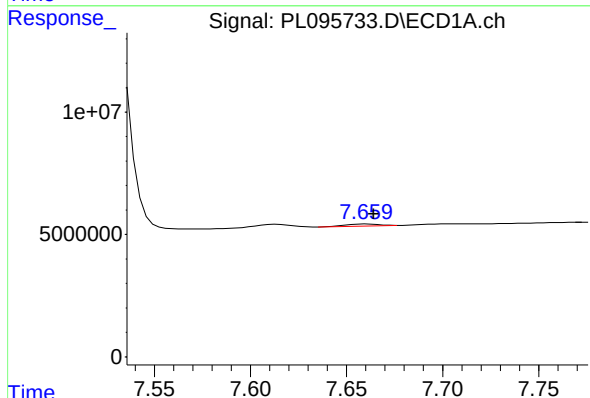
Manual Integrations
APPROVED

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



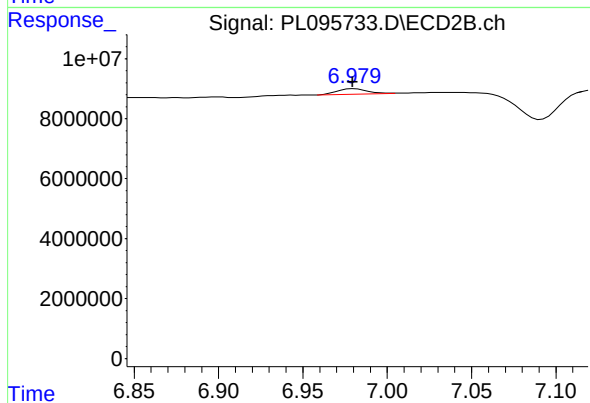
#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 608707889
Conc: 232.68 ng/ml



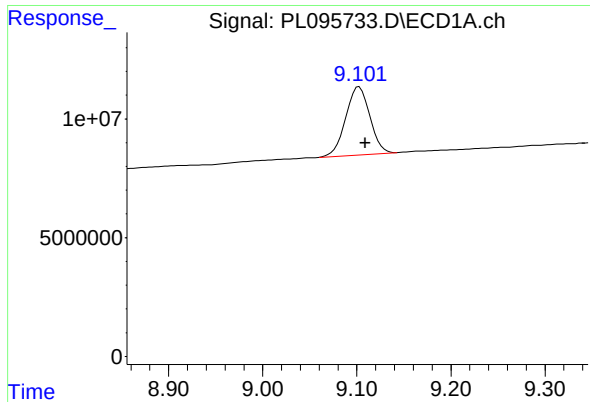
#21 Endrin ketone

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



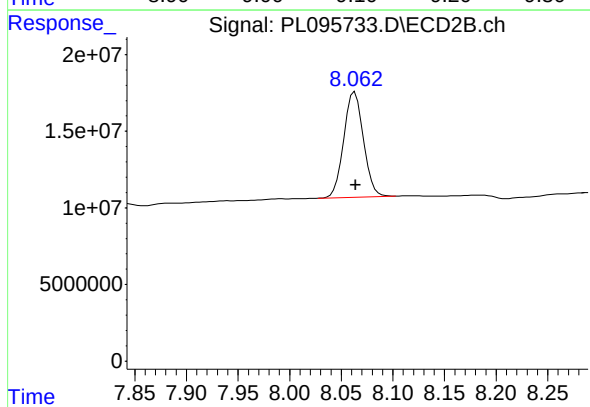
#28 Decachlorobiphenyl

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: ENTA05

Lab Code: CHEM Case No.: Q2079 SAS No.: Q2079 SDG NO.: Q2079

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

Client Sample No. (PEM): PEM - PL095755.D Date Analyzed: 05/22/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:04

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.104	9.000	9.200	22.470	20.000	12.4
Tetrachloro-m-xylene	3.572	3.520	3.620	23.050	20.000	15.3
alpha-BHC	4.024	3.970	4.070	11.190	10.000	11.9
beta-BHC	4.543	4.490	4.590	11.910	10.000	19.1
gamma-BHC (Lindane)	4.355	4.300	4.410	11.340	10.000	13.4
Endrin	6.602	6.530	6.670	50.150	50.000	0.3
4,4'-DDT	7.050	6.980	7.120	91.820	100.000	-8.2
Methoxychlor	7.523	7.450	7.590	228.500	250.000	-8.6

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

Client Sample No. (PEM): PEM - PL095755.D Date Analyzed: 05/22/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:04

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.062	7.960	8.160	22.990	20.000	15.0
Tetrachloro-m-xylene	2.885	2.830	2.940	21.800	20.000	9.0
alpha-BHC	3.395	3.340	3.450	10.560	10.000	5.6
beta-BHC	4.023	3.970	4.070	11.180	10.000	11.8
gamma-BHC (Lindane)	3.728	3.680	3.780	10.540	10.000	5.4
Endrin	5.781	5.710	5.850	48.640	50.000	-2.7
4,4'-DDT	6.178	6.110	6.250	94.740	100.000	-5.3
Methoxychlor	6.748	6.680	6.820	207.550	250.000	-17.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052225\
 Data File : PL095755.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 09:04
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/23/2025
 Supervised By :mohammad ahmed 05/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 11:45:18 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	72725762	85318595	23.049	21.799
28)	SA Decachlor...	9.104	8.062	52937163	100.6E6	22.466	22.991
Target Compounds							
2)	A alpha-BHC	4.024	3.395	54226539	61844334	11.186	10.558
3)	MA gamma-BHC...	4.355	3.728	50714311	59056695	11.341	10.544
6)	B beta-BHC	4.543	4.023	23487019	27688061	11.914	11.176m
14)	MA Endrin	6.602	5.781	161.8E6	237.2E6	50.149	48.636
16)	A 4,4'-DDD	6.735	5.924	24656171	34646773	8.413	7.901
17)	MA 4,4'-DDT	7.050	6.178	248.4E6	453.1E6	91.816	94.743
18)	B Endrin al...	6.943	6.250	3465695	6160099	1.434m	1.783
20)	A Methoxychlor	7.523	6.748	291.4E6	543.0E6	228.504	207.553
21)	B Endrin ke...	7.660	6.978	15529576	26523842	4.904	5.126

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052225\
Data File : PL095755.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 09:04
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

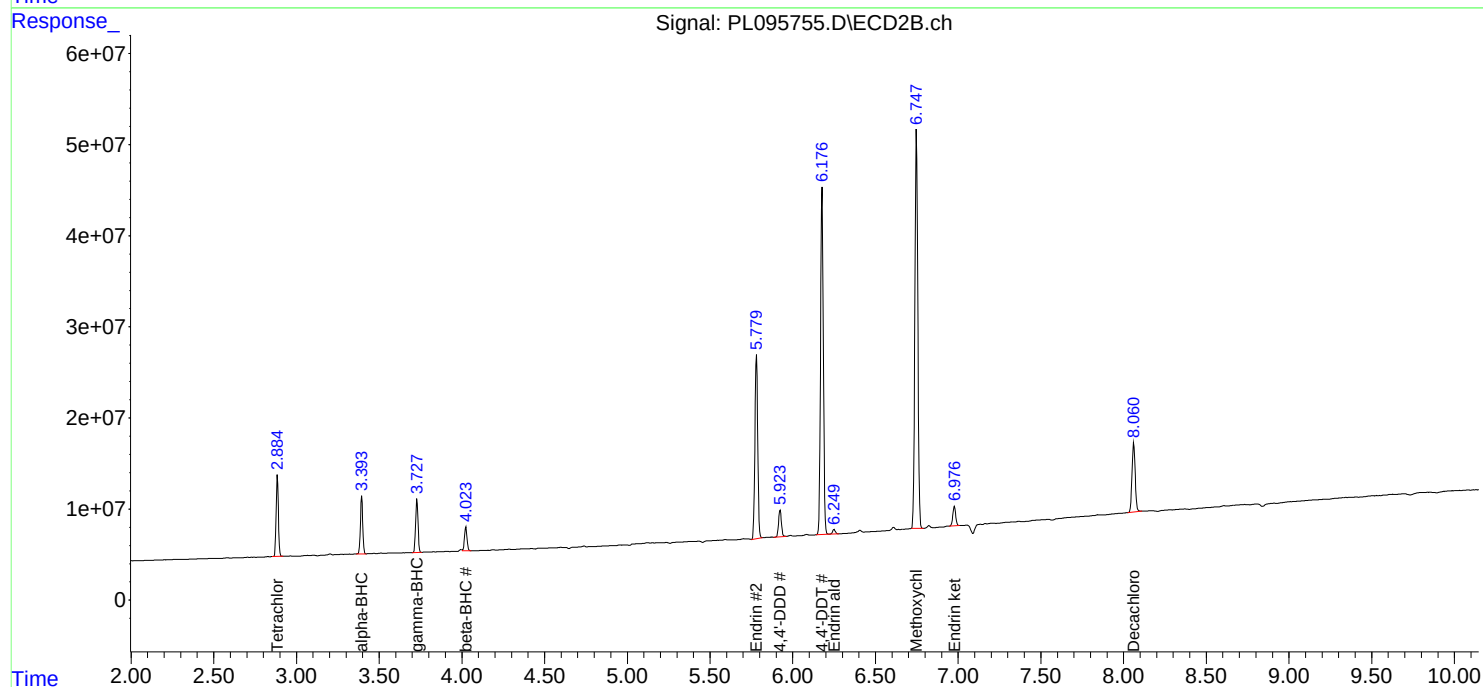
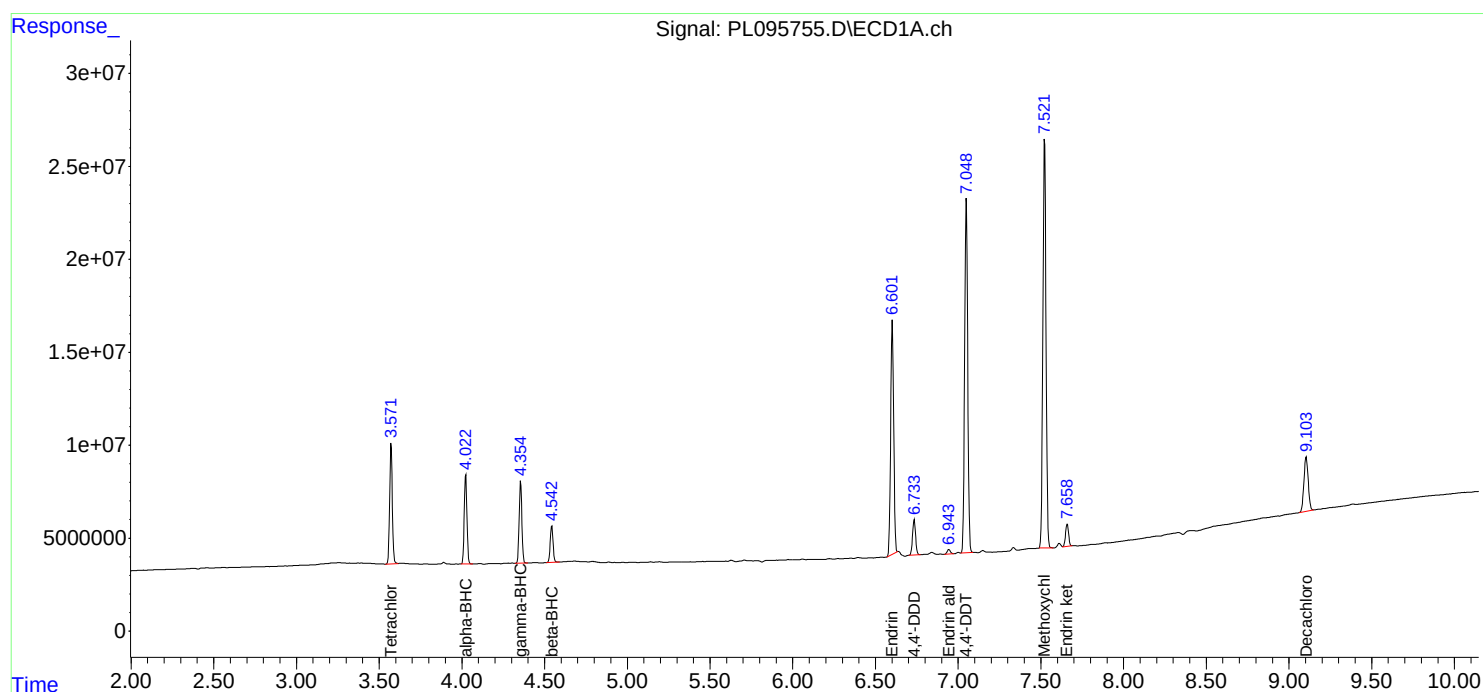
Instrument :
ECD_L
ClientSampleId :
PEM

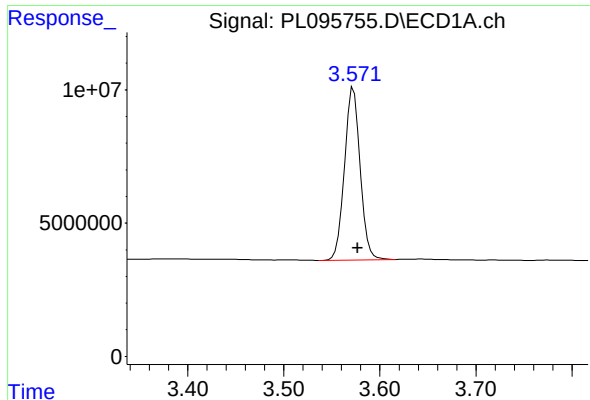
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/23/2025
Supervised By : mohammad ahmed 05/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 11:45:18 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





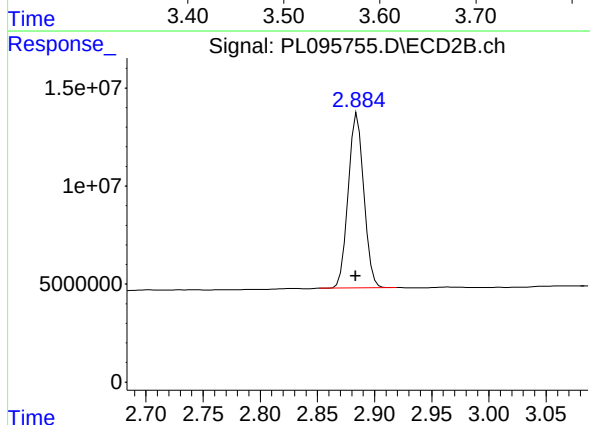
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 72725762
Conc: 23.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

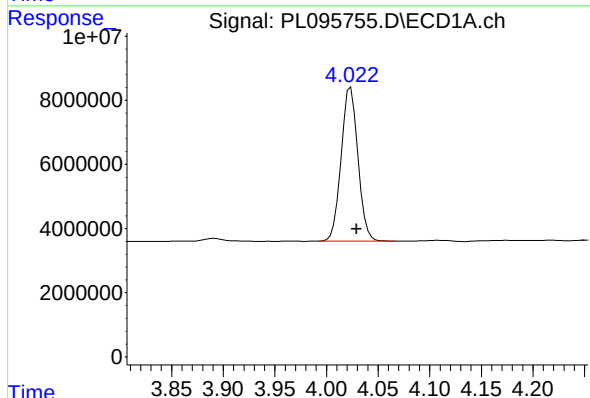
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



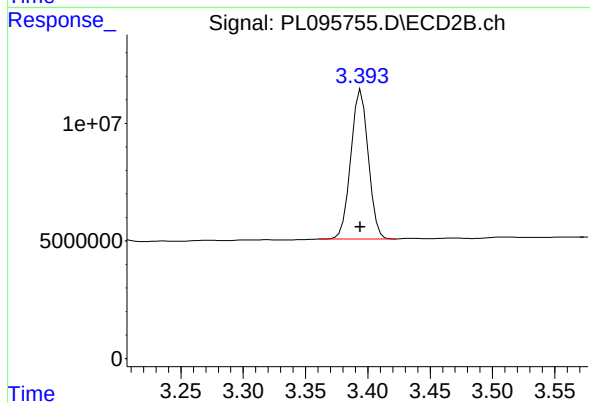
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 85318595
Conc: 21.80 ng/ml



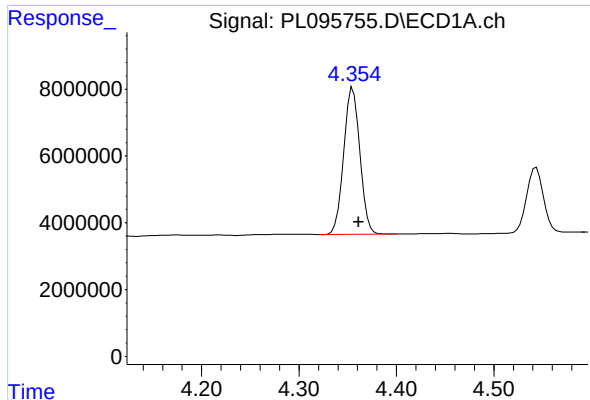
#2 alpha-BHC

R.T.: 4.024 min
Delta R.T.: -0.006 min
Response: 54226539
Conc: 11.19 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: 0.000 min
Response: 61844334
Conc: 10.56 ng/ml



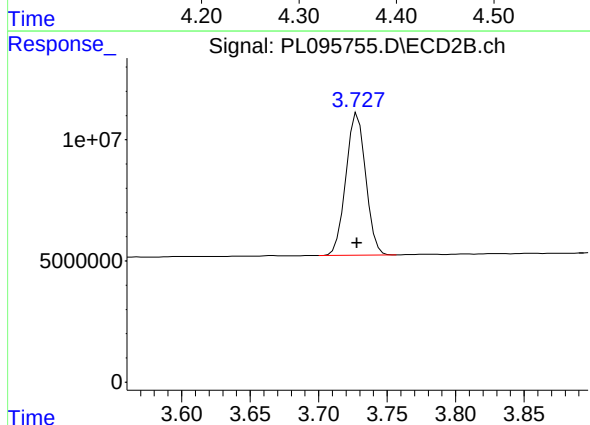
#3 gamma-BHC (Lindane)

R.T.: 4.355 min
Delta R.T.: -0.006 min
Response: 50714311
Conc: 11.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

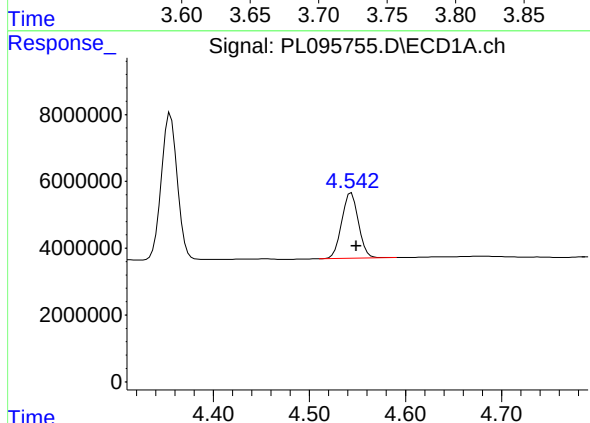
Manual Integrations
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Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



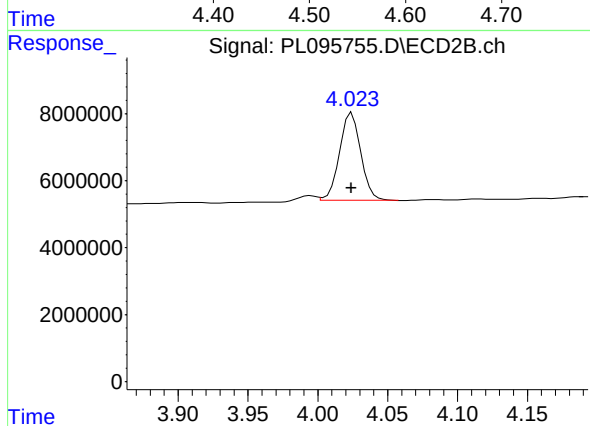
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: 0.000 min
Response: 59056695
Conc: 10.54 ng/ml



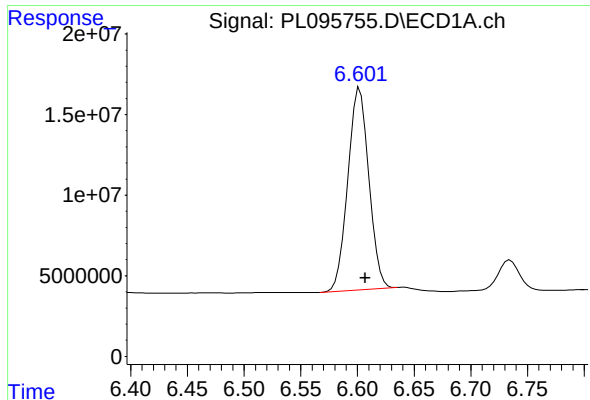
#6 beta-BHC

R.T.: 4.543 min
Delta R.T.: -0.005 min
Response: 23487019
Conc: 11.91 ng/ml



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 27688061
Conc: 11.18 ng/ml m



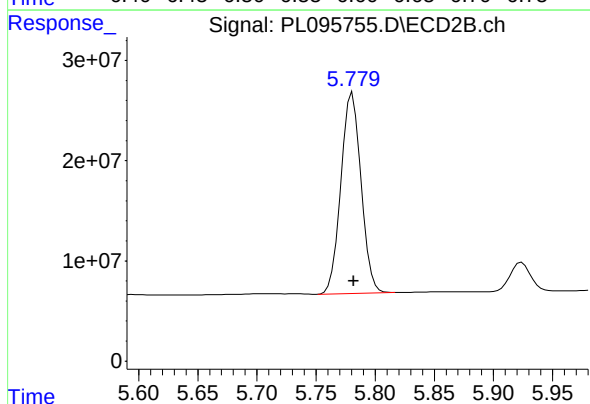
#14 Endrin

R.T.: 6.602 min
Delta R.T.: -0.005 min
Response: 161819768
Conc: 50.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

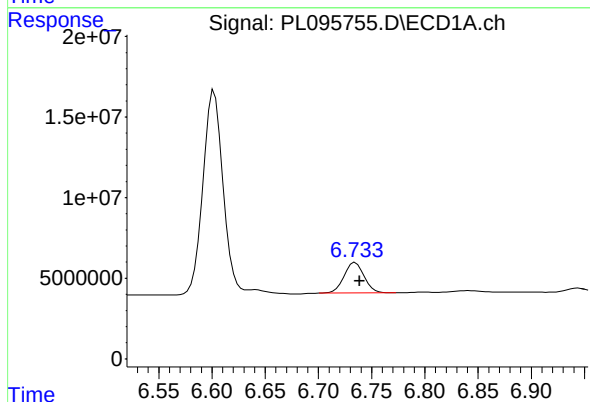
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



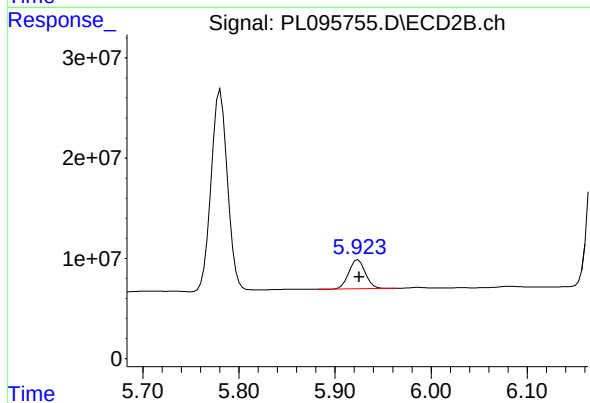
#14 Endrin

R.T.: 5.781 min
Delta R.T.: -0.001 min
Response: 237152232
Conc: 48.64 ng/ml



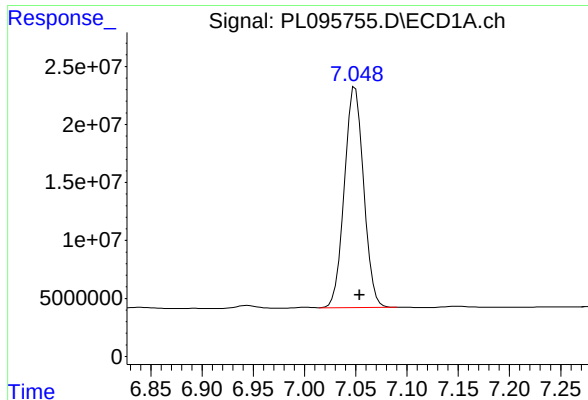
#16 4,4'-DDD

R.T.: 6.735 min
Delta R.T.: -0.004 min
Response: 24656171
Conc: 8.41 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: -0.002 min
Response: 34646773
Conc: 7.90 ng/ml



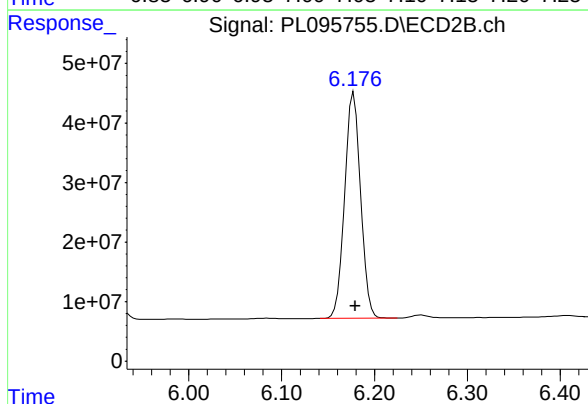
#17 4,4'-DDT

R.T.: 7.050 min
Delta R.T.: -0.004 min
Response: 248373870
Conc: 91.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

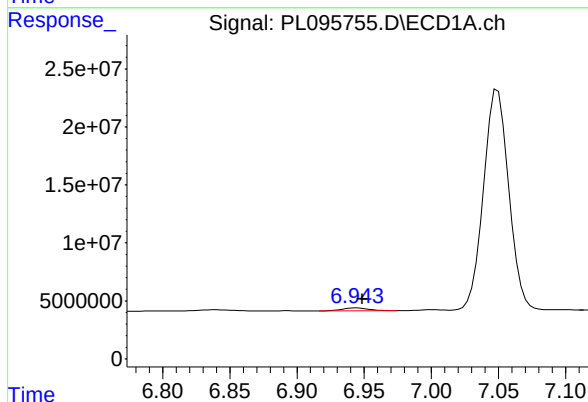
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



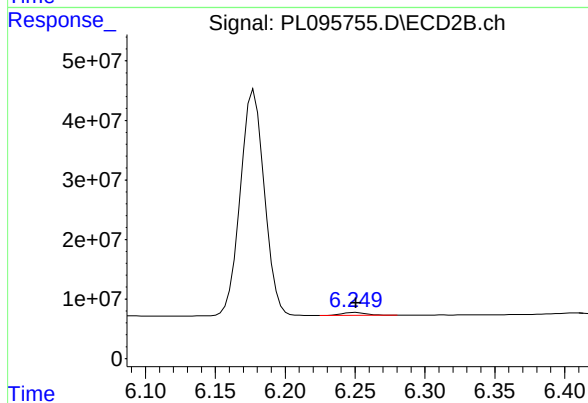
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: -0.002 min
Response: 453119104
Conc: 94.74 ng/ml



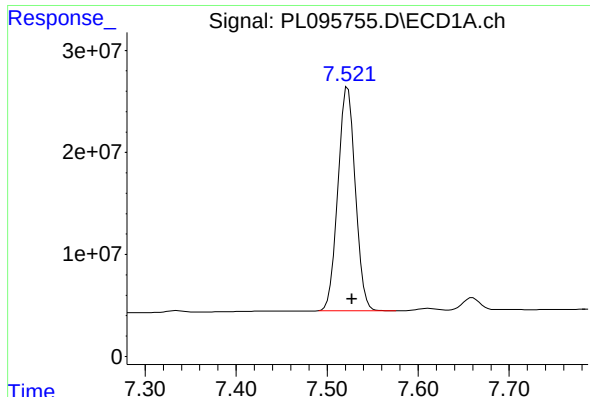
#18 Endrin aldehyde

R.T.: 6.943 min
Delta R.T.: -0.006 min
Response: 3465695
Conc: 1.43 ng/ml m



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 6160099
Conc: 1.78 ng/ml



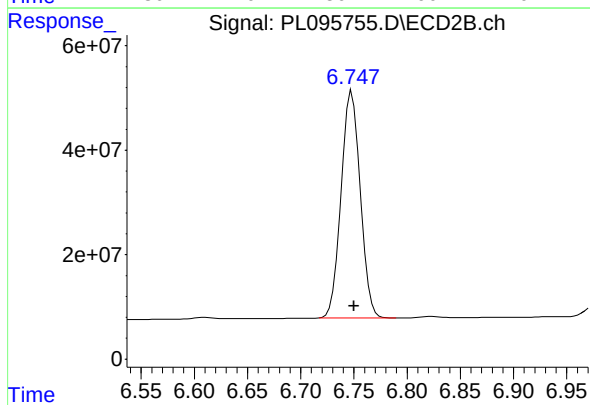
#20 Methoxychlor

R.T.: 7.523 min
Delta R.T.: -0.005 min
Response: 291417021
Conc: 228.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

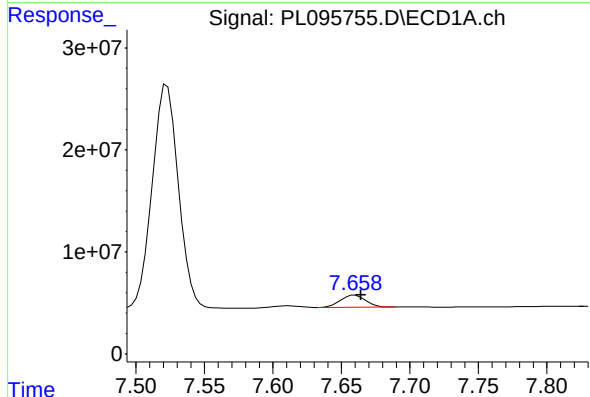
Manual Integrations
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Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



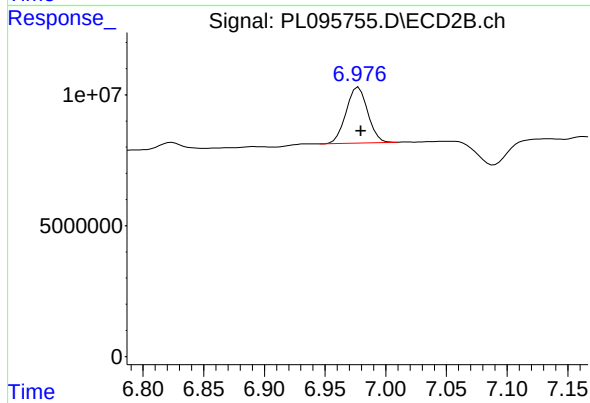
#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: -0.002 min
Response: 542980056
Conc: 207.55 ng/ml



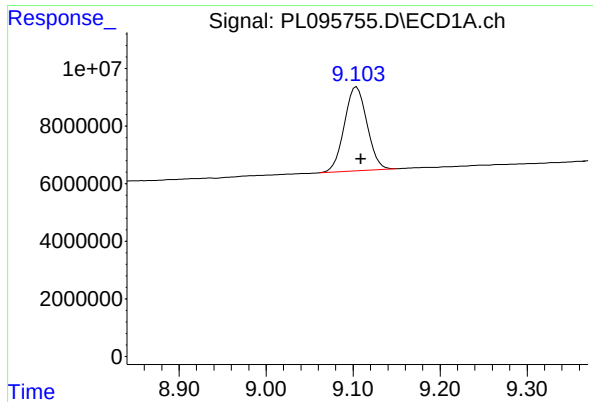
#21 Endrin ketone

R.T.: 7.660 min
Delta R.T.: -0.005 min
Response: 15529576
Conc: 4.90 ng/ml



#21 Endrin ketone

R.T.: 6.978 min
Delta R.T.: -0.002 min
Response: 26523842
Conc: 5.13 ng/ml



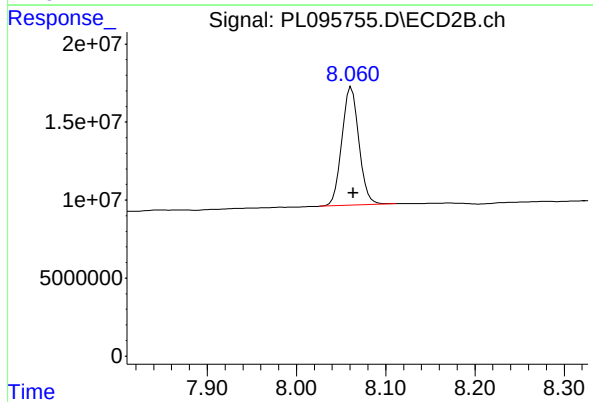
#28 Decachlorobiphenyl

R.T.: 9.104 min
Delta R.T.: -0.005 min
Response: 52937163
Conc: 22.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 100572986
Conc: 22.99 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

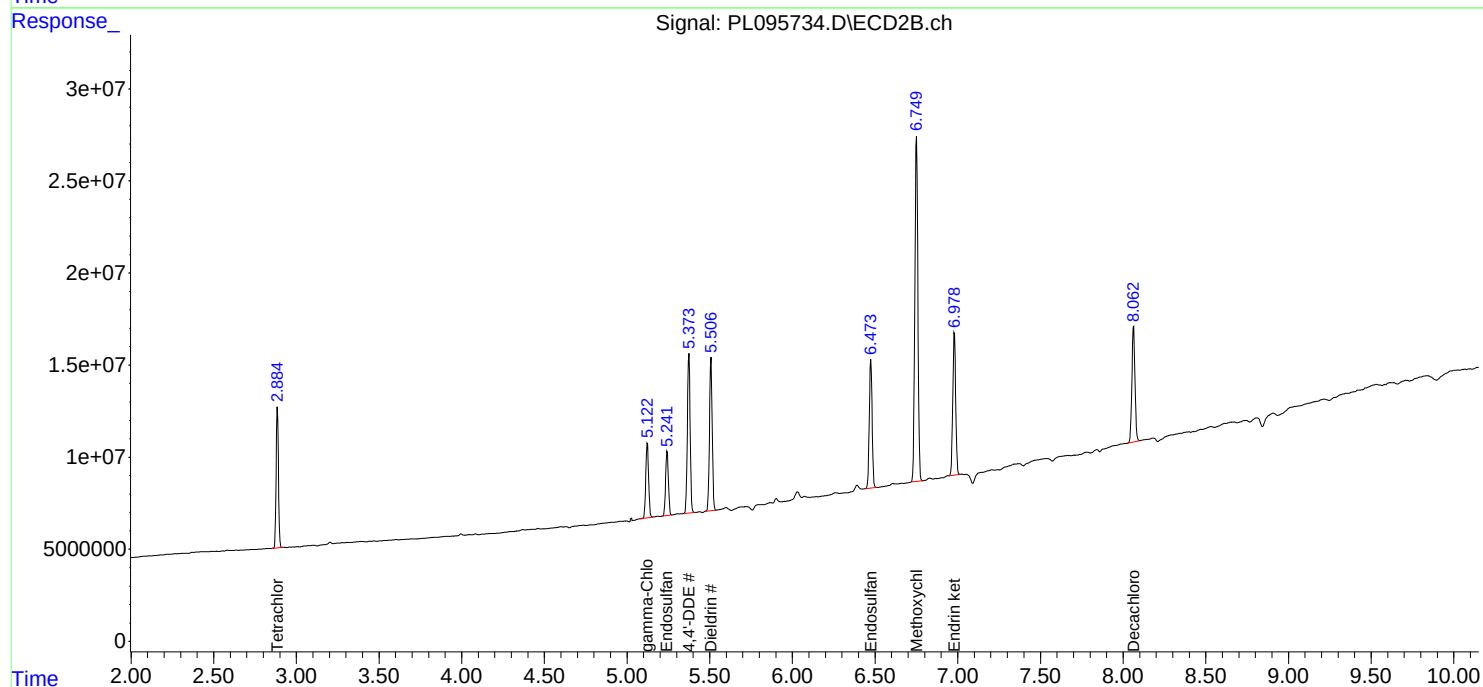
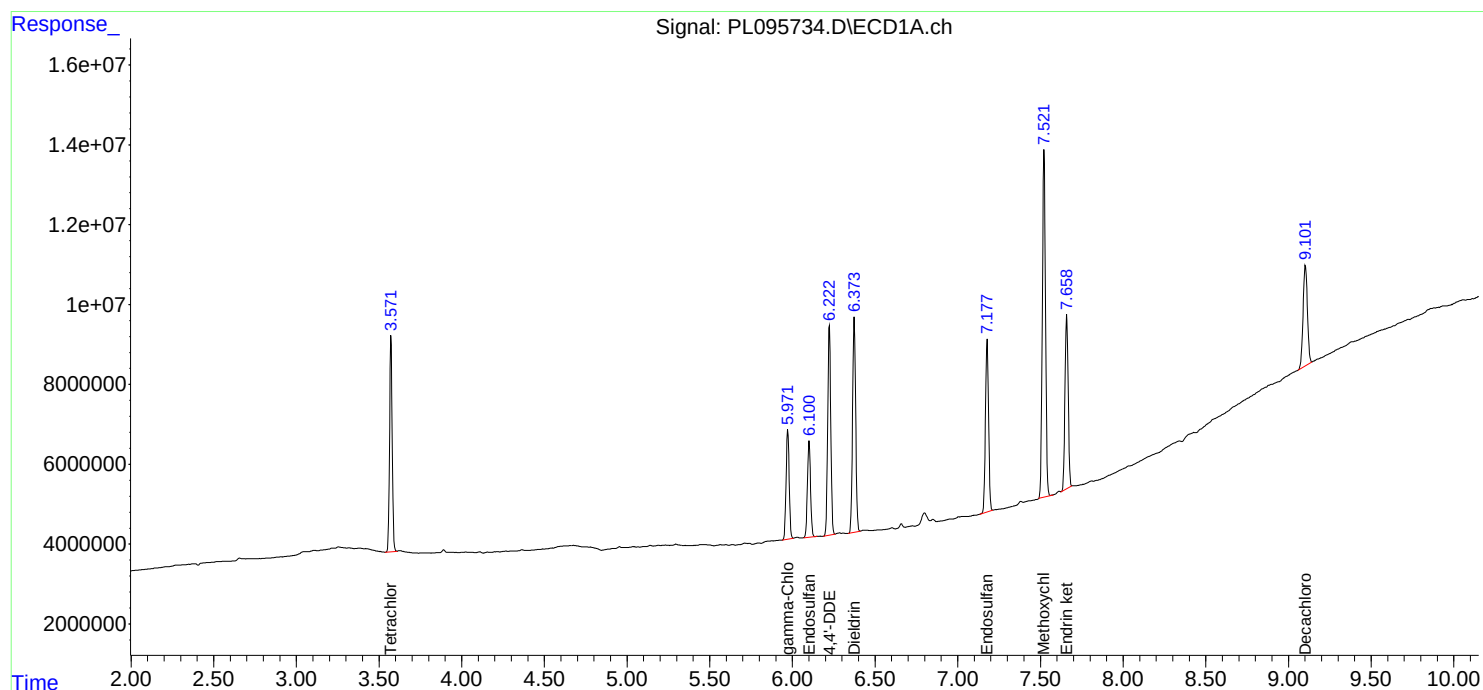
Instrument :
ECD_L
ClientSampleId :
RESCHK

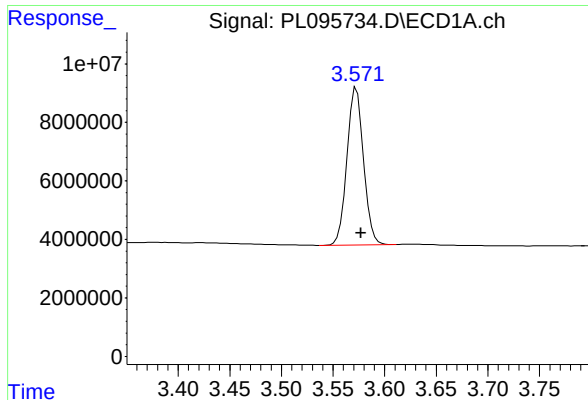
Manual Integrations
APPROVED

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





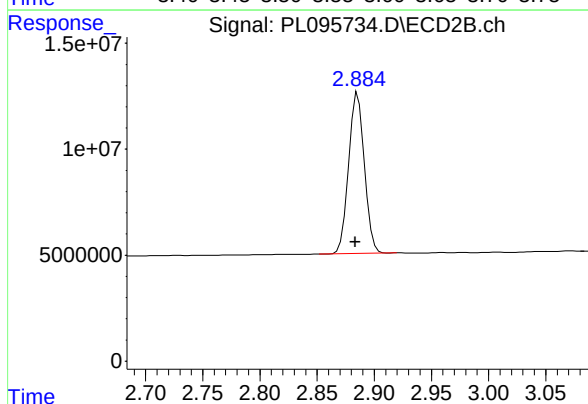
#1 Tetrachloro-m-xylene

R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 60022861
Conc: 19.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

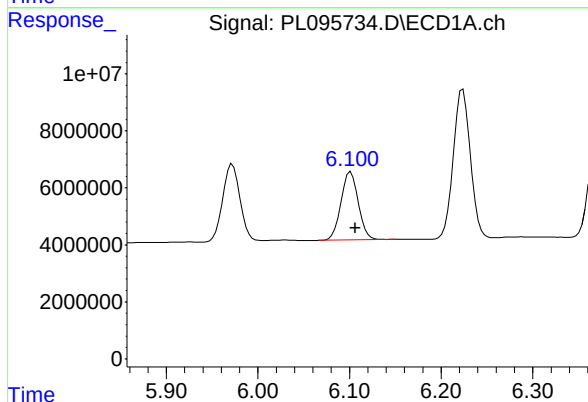
Manual Integrations
APPROVED

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



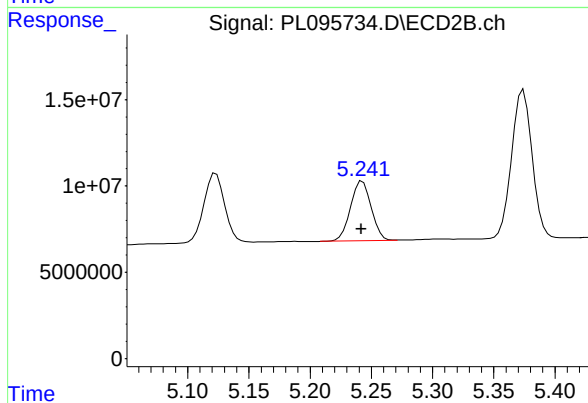
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 73415307
Conc: 18.76 ng/ml



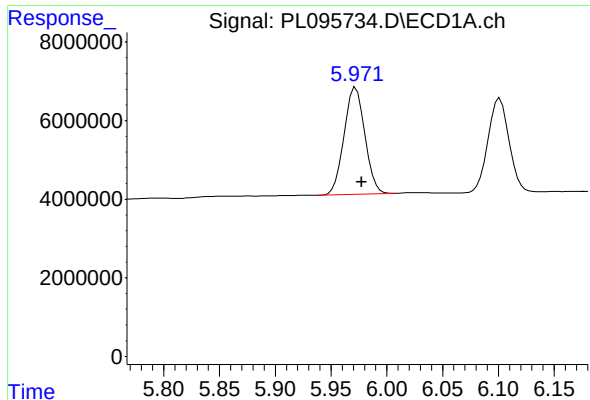
#9 Endosulfan I

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



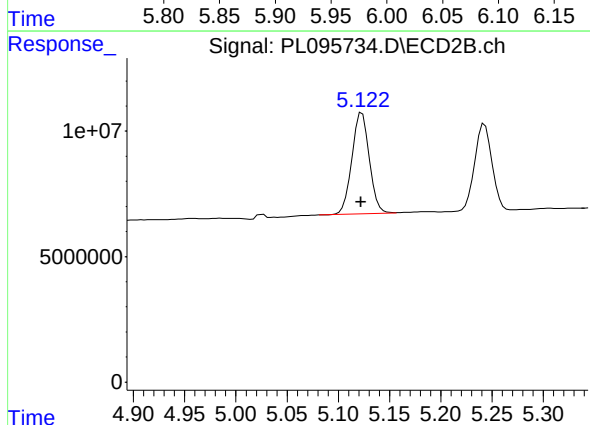
#10 gamma-Chlordane

R.T.: 5.972 min
Delta R.T.: -0.005 min
Response: 35297875
Conc: 9.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

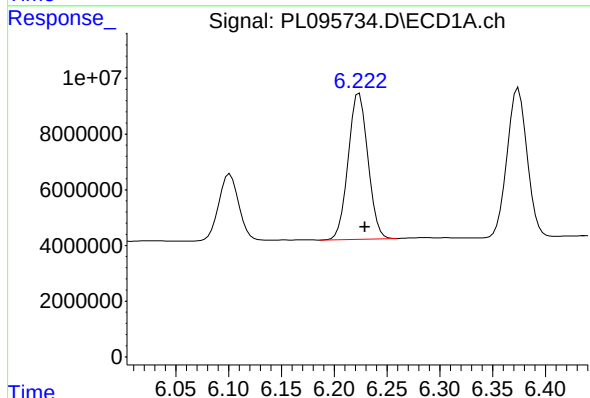
Manual Integrations
APPROVED

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



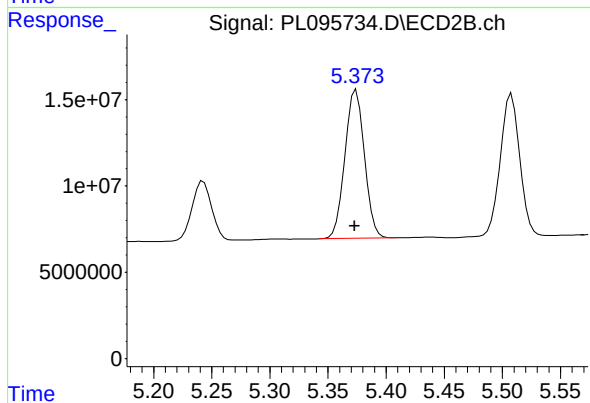
#10 gamma-Chlordane

R.T.: 5.123 min
Delta R.T.: 0.001 min
Response: 47615649
Conc: 9.06 ng/ml



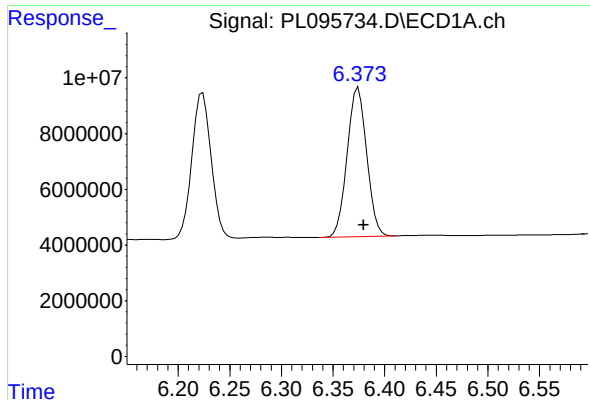
#12 4,4'-DDE

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



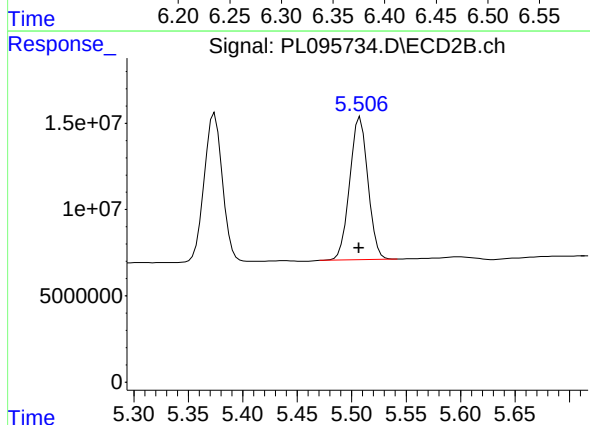
#13 Dieldrin

R.T.: 6.374 min
Delta R.T.: -0.005 min
Response: 70647803
Conc: 18.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

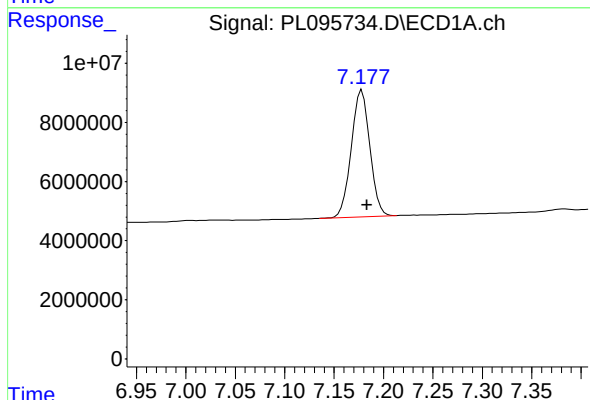
Manual Integrations
APPROVED

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



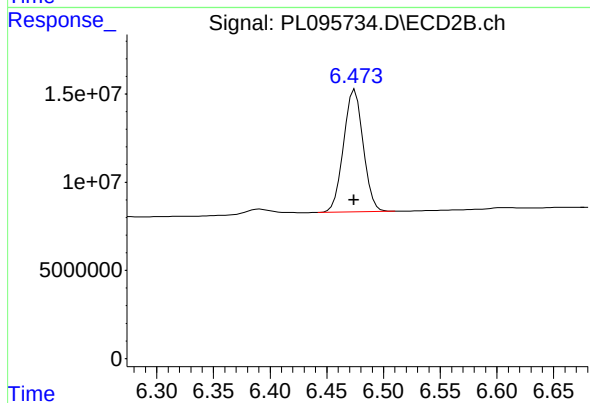
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.001 min
Response: 96307968
Conc: 18.17 ng/ml



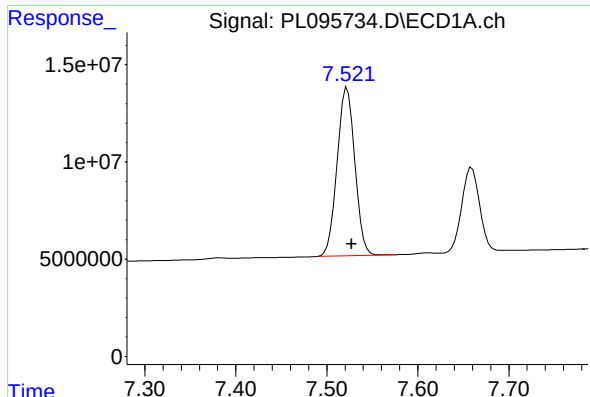
#19 Endosulfan Sulfate

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



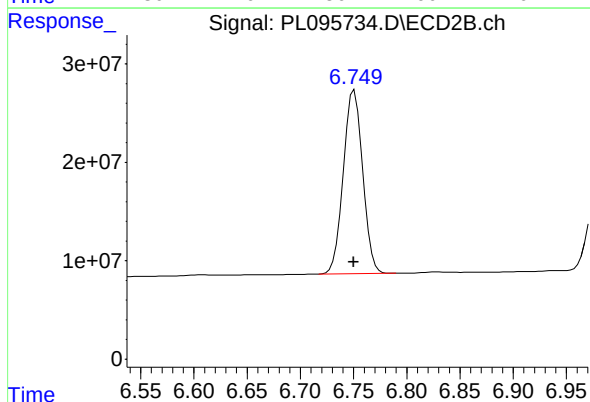
#20 Methoxychlor

R.T.: 7.522 min
Delta R.T.: -0.005 min
Response: 116890687
Conc: 91.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK

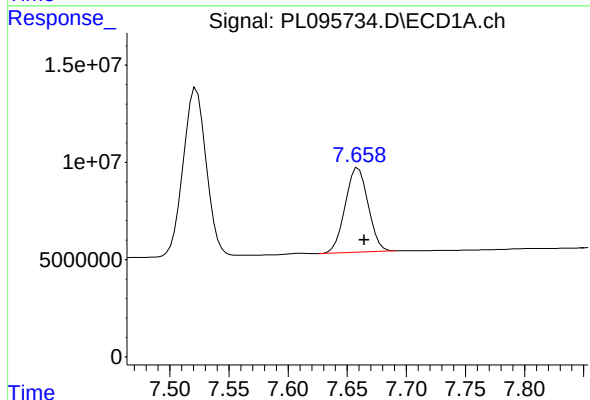
Manual Integrations
APPROVED

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



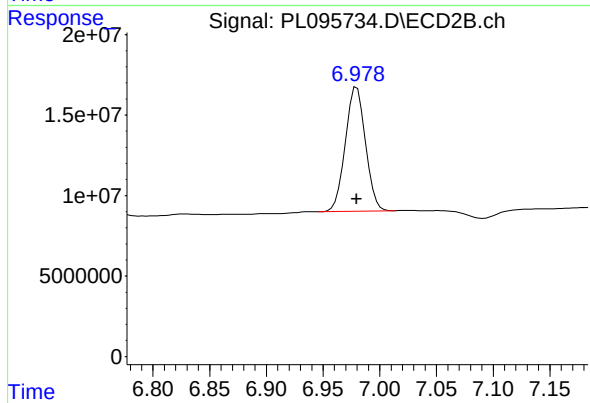
#20 Methoxychlor

R.T.: 6.751 min
Delta R.T.: 0.000 min
Response: 235119073
Conc: 89.87 ng/ml



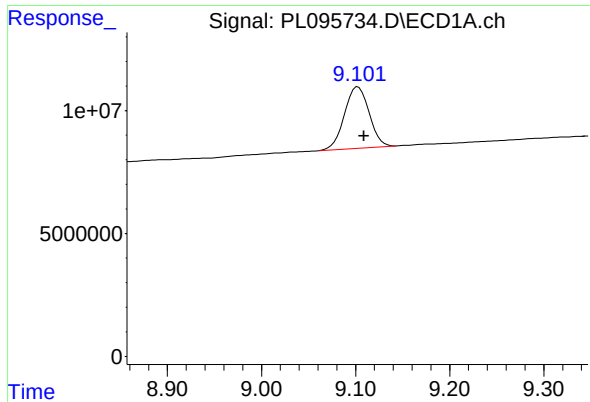
#21 Endrin ketone

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



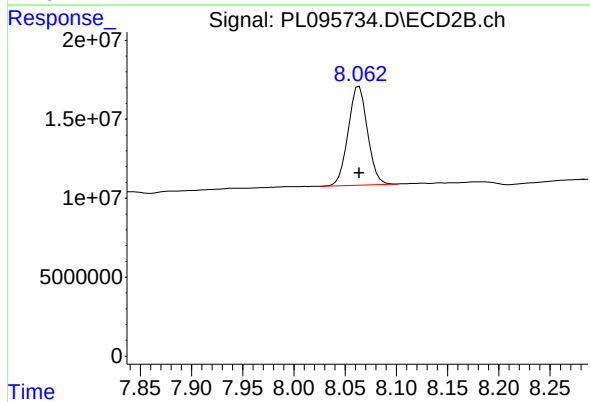
#28 Decachlorobiphenyl

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: ENTACT	SDG No.: Q2079
Project: 540 Degraw St, Brooklyn, NY - E9309	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
IBLK	IBLK	05/22/2025	08:51	PL095754.D	9.10	3.57
PEM	PEM	05/22/2025	09:04	PL095755.D	9.10	3.57
PSTDCCC050	PSTDCCC050	05/22/2025	09:18	PL095756.D	9.10	3.57
PL-HRH-COMP-01MS	Q2080-06MS	05/22/2025	09:59	PL095759.D	9.10	3.57
PL-HRH-COMP-01MSD	Q2080-06MSD	05/22/2025	10:13	PL095760.D	9.10	3.57
PB168121BL	PB168121BL	05/22/2025	10:26	PL095761.D	9.10	3.57
PB168121BS	PB168121BS	05/22/2025	11:57	PL095762.D	9.11	3.57
PB168092TB	PB168092TB	05/22/2025	12:27	PL095764.D	9.10	3.57
IBLK	IBLK	05/22/2025	13:22	PL095767.D	9.11	3.57
PSTDCCC050	PSTDCCC050	05/22/2025	13:35	PL095768.D	9.10	3.57
WC-A2-01-C	Q2079-03	05/22/2025	14:29	PL095772.D	9.10	3.57
WC-A2-02-C	Q2079-07	05/22/2025	14:43	PL095773.D	9.10	3.57
WC-A2-03-C	Q2079-11	05/22/2025	14:57	PL095774.D	9.10	3.57
IBLK	IBLK	05/22/2025	15:24	PL095776.D	9.10	3.57
PSTDCCC050	PSTDCCC050	05/22/2025	17:42	PL095777.D	9.10	3.57

Analytical Sequence

Client: ENTACT

SDG No.: Q2079

Project: 540 Degraw St, Brooklyn, NY - E9309

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
PSTDICCC100	PSTDICCC100	05/21/2025	11:35	PL095735.D	8.06	2.88
PSTDICCC075	PSTDICCC075	05/21/2025	11:48	PL095736.D	8.06	2.89
PSTDICCC050	PSTDICCC050	05/21/2025	12:02	PL095737.D	8.06	2.89
PSTDICCC025	PSTDICCC025	05/21/2025	12:15	PL095738.D	8.06	2.89
PSTDICCC005	PSTDICCC005	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
IBLK	IBLK	05/22/2025	08:51	PL095754.D	8.06	2.89
PEM	PEM	05/22/2025	09:04	PL095755.D	8.06	2.89
PSTDCCC050	PSTDCCC050	05/22/2025	09:18	PL095756.D	8.06	2.89
PL-HRH-COMP-01MS	Q2080-06MS	05/22/2025	09:59	PL095759.D	8.06	2.89
PL-HRH-COMP-01MSD	Q2080-06MSD	05/22/2025	10:13	PL095760.D	8.06	2.89
PB168121BL	PB168121BL	05/22/2025	10:26	PL095761.D	8.06	2.89
PB168121BS	PB168121BS	05/22/2025	11:57	PL095762.D	8.06	2.88
PB168092TB	PB168092TB	05/22/2025	12:27	PL095764.D	8.06	2.89
IBLK	IBLK	05/22/2025	13:22	PL095767.D	8.06	2.89
PSTDCCC050	PSTDCCC050	05/22/2025	13:35	PL095768.D	8.06	2.89
WC-A2-01-C	Q2079-03	05/22/2025	14:29	PL095772.D	8.06	2.89
WC-A2-02-C	Q2079-07	05/22/2025	14:43	PL095773.D	8.06	2.89
WC-A2-03-C	Q2079-11	05/22/2025	14:57	PL095774.D	8.06	2.89
IBLK	IBLK	05/22/2025	15:24	PL095776.D	8.06	2.89
PSTDCCC050	PSTDCCC050	05/22/2025	17:42	PL095777.D	8.06	2.89

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168121BS

Contract: ENTA05

Lab Code: CHEM

Case No.: Q2079

SAS No.: Q2079

SDG NO.: Q2079

Lab Sample ID: PB168121BS

Date(s) Analyzed: 05/22/2025

05/22/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.53	7.48	7.58	0.44	8.1
	2	6.75	6.70	6.80	0.40	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	0.57	3.4
	2	3.73	3.68	3.78	0.55	
Heptachlor	1	4.96	4.91	5.01	0.54	4.8
	2	4.08	4.03	4.13	0.51	
Heptachlor epoxide	1	5.72	5.67	5.77	0.58	4.8
	2	4.87	4.82	4.92	0.56	
Endrin	1	6.60	6.55	6.65	0.47	3.6
	2	5.78	5.73	5.83	0.45	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PL-HRH-COMP-01MS

Contract: ENTA05

Lab Code: CHEM

Case No.: Q2079

SAS No.: Q2079

SDG NO.: Q2079

Lab Sample ID: Q2080-06MS

Date(s) Analyzed: 05/22/2025

05/22/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.52	7.47	7.57	4.20	2.4
	2	6.75	6.70	6.80	4.10	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	5.10	0
	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	4.70	
Heptachlor epoxide	1	5.72	5.67	5.77	5.00	2
	2	4.87	4.82	4.92	5.10	
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.

PL-HRH-COMP-01MSD

Contract: ENTA05

Lab Code: CHEM Case No.: Q2079

SAS No.: Q2079 SDG NO.: Q2079

Lab Sample ID: Q2080-06MSD

Date(s) Analyzed: 05/22/2025 05/22/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1 ID: 0.32 (mm)

GC Column: (2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		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	4.30	7.2
	2	6.75	6.70	6.80	4.00	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	4.90	2
	2	3.73	3.68	3.78	5.00	
Heptachlor	1	4.95	4.90	5.00	4.80	2.1
	2	4.08	4.03	4.13	4.70	
Heptachlor epoxide	1	5.72	5.67	5.77	5.10	2
	2	4.87	4.82	4.92	5.00	



QC SAMPLE DATA

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	PB168121BL	SDG No.:	Q2079
Lab Sample ID:	PB168121BL	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
PL095761.D	1	05/21/25 12:45	05/22/25 10:26	PB168121

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	21.3		30 (43) - 150 (140)	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		30 (77) - 150 (126)	102%	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\PL052225\
 Data File : PL095761.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 10:26
 Operator : AR\AJ
 Sample : PB168121BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB168121BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 11:47:59 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...	3.573	2.885	64622035	77388369	20.481	19.773
28) SA Decachlor...	9.104	8.063	47761577	93104647	20.269	21.284

Target Compounds

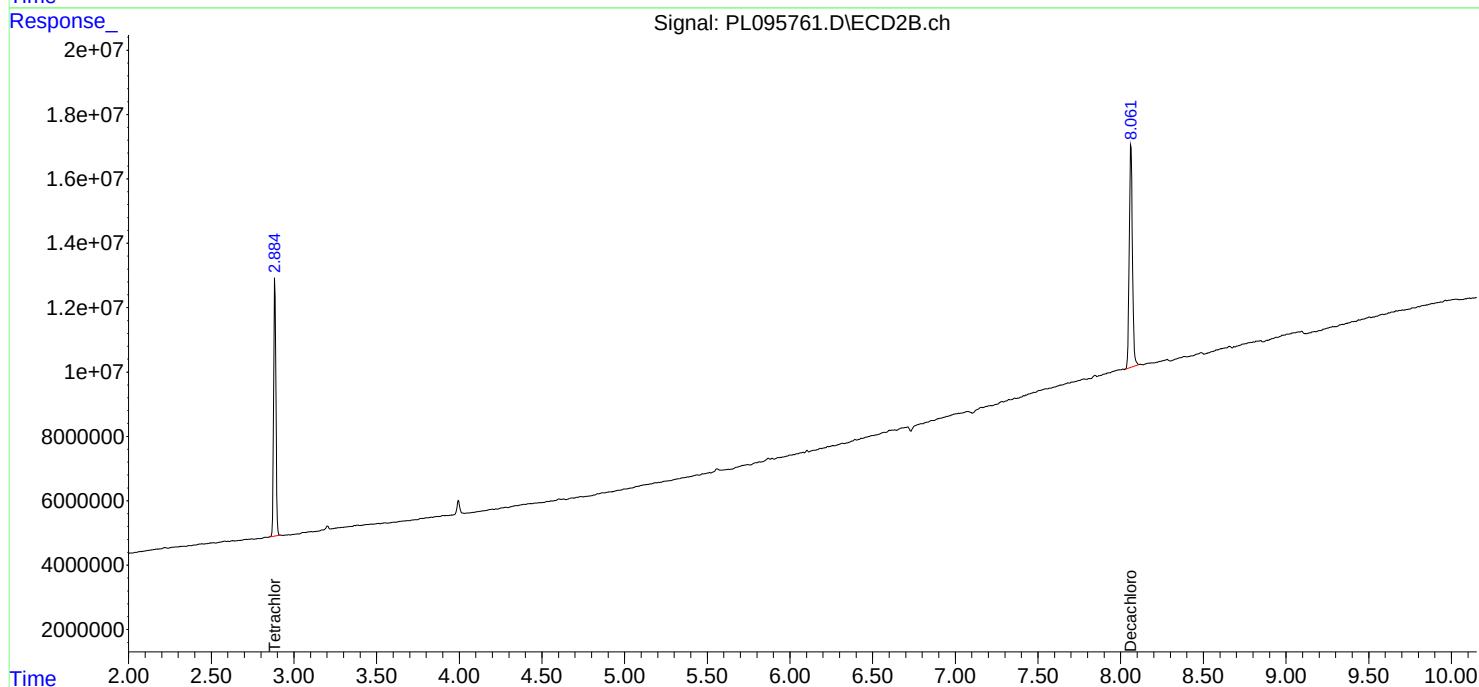
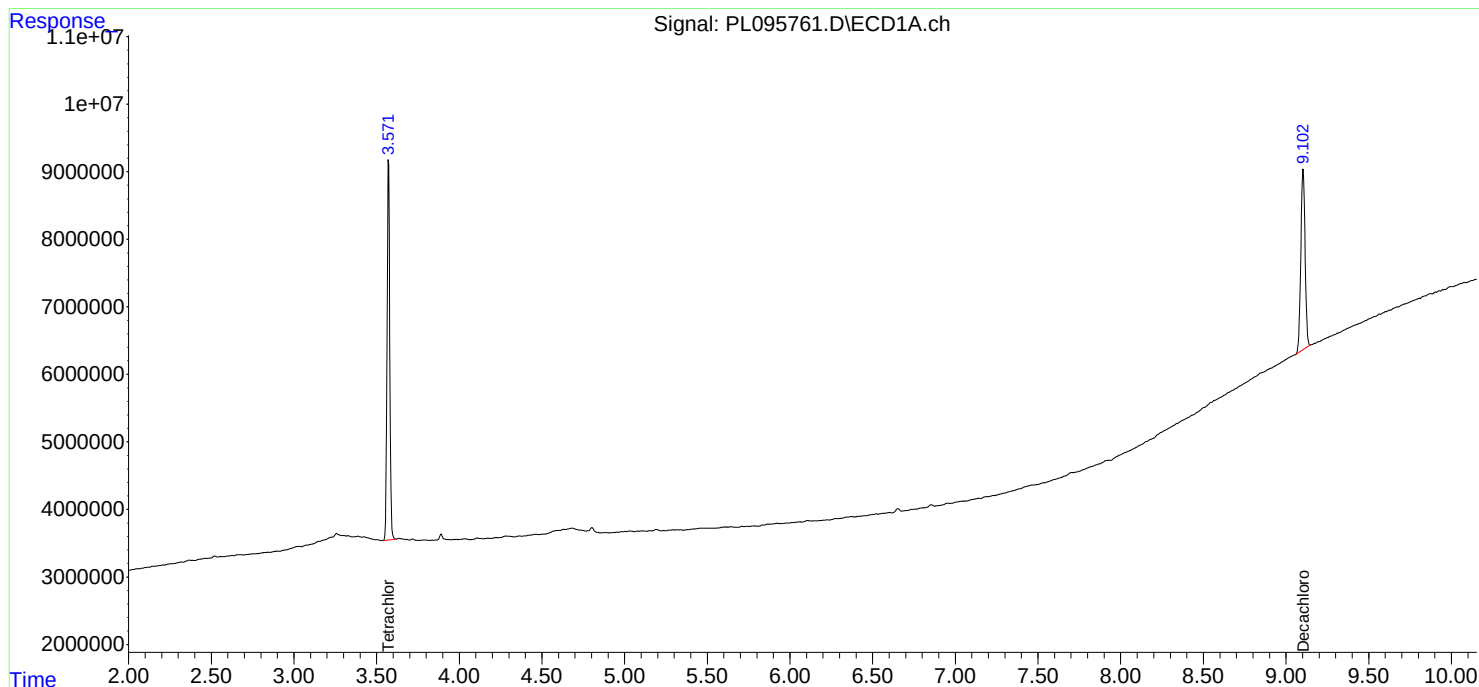
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

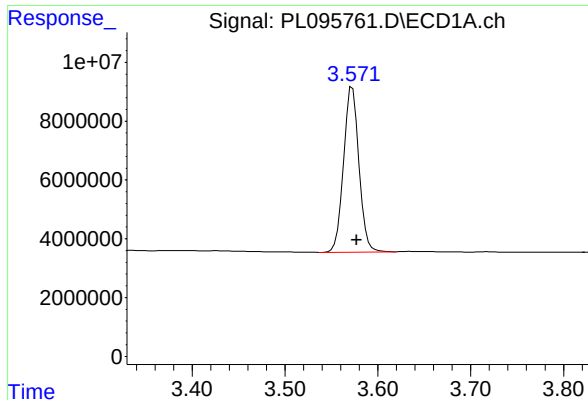
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052225\
Data File : PL095761.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 10:26
Operator : AR\AJ
Sample : PB168121BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168121BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 11:47:59 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

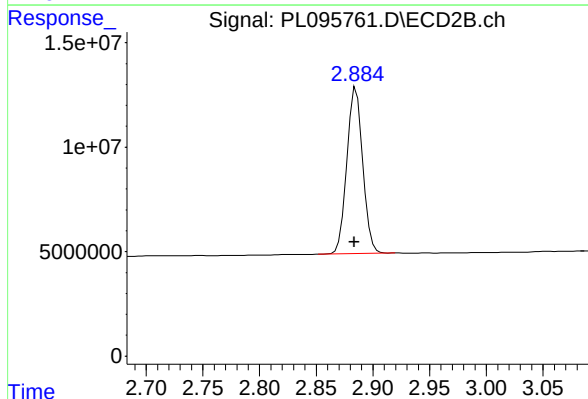




#1 Tetrachloro-m-xylene

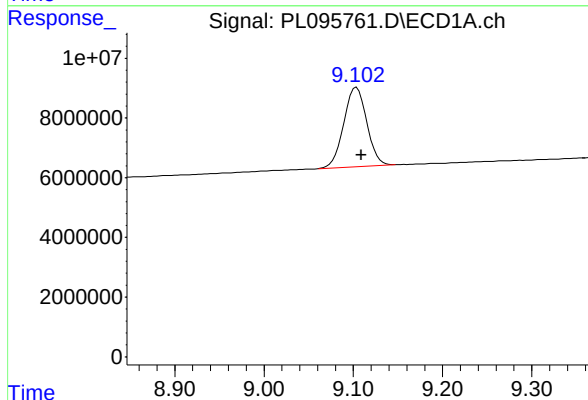
R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 64622035
Conc: 20.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168121BL



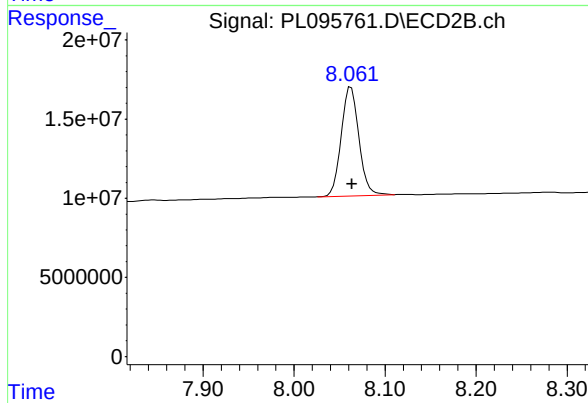
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 77388369
Conc: 19.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.104 min
Delta R.T.: -0.005 min
Response: 47761577
Conc: 20.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.001 min
Response: 93104647
Conc: 21.28 ng/ml

Report of Analysis

Client:	ENTACT	Date Collected:	05/21/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/21/25
Client Sample ID:	PIBLK-PL095732.D	SDG No.:	Q2079
Lab Sample ID:	I.BLK-PL095732.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
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 (43) - 150 (140)	91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.4		30 (77) - 150 (126)	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

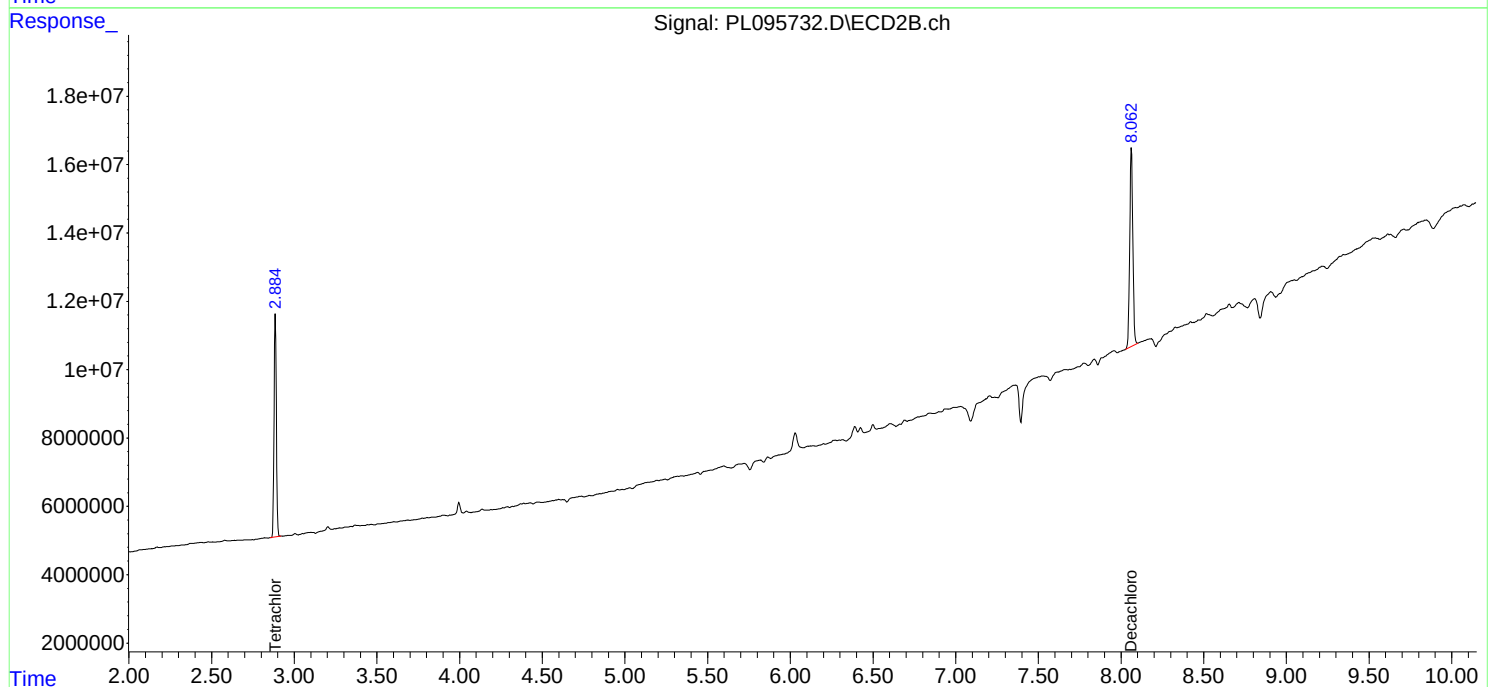
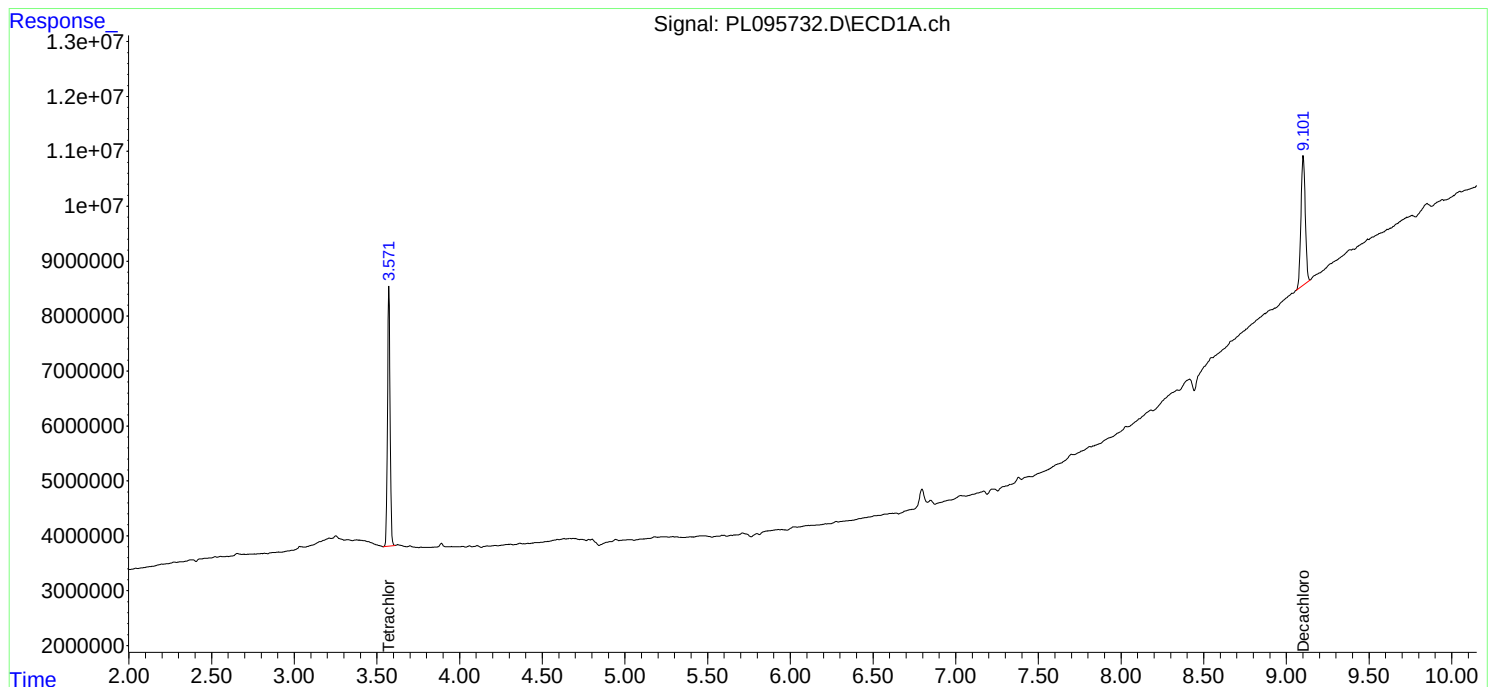
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

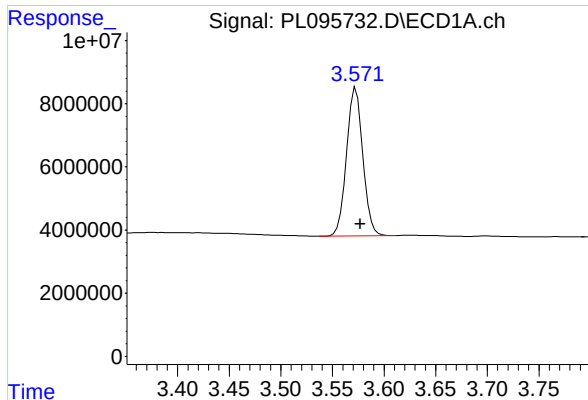
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052125\
Data File : PL095732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 10:47
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

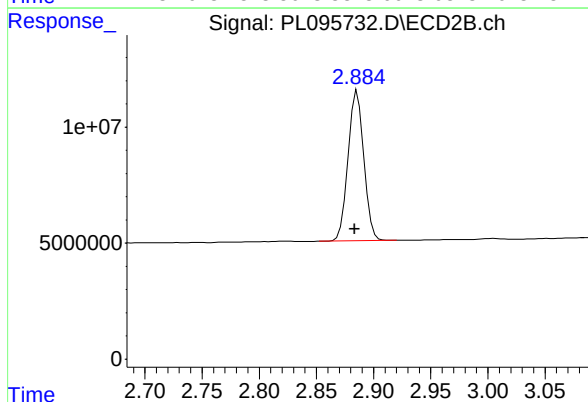




#1 Tetrachloro-m-xylene

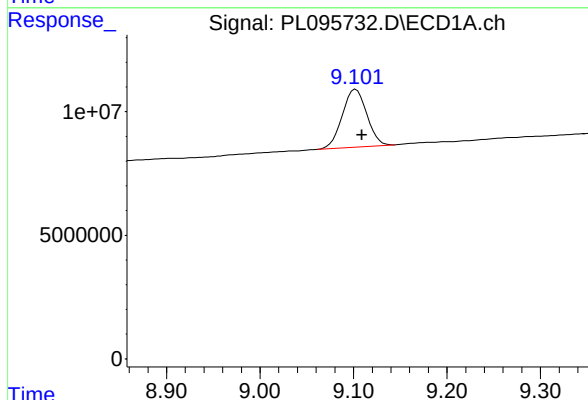
R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 51602531
Conc: 16.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



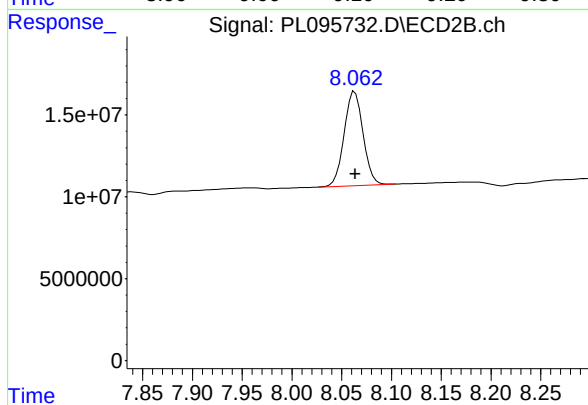
#1 Tetrachloro-m-xylene

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:	ENTACT	Date Collected:	05/22/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/22/25
Client Sample ID:	PIBLK-PL095754.D	SDG No.:	Q2079
Lab Sample ID:	I.BLK-PL095754.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
PL095754.D	1		05/22/25	PL052225

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 (43) - 150 (140)	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		30 (77) - 150 (126)	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\PL052225\
Data File : PL095754.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 08:51
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: May 22 11:45:00 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	58717141	68883520	18.609	17.600
28) SA Decachlor...	9.103	8.062	44565237	87975897	18.913	20.111

Target Compounds

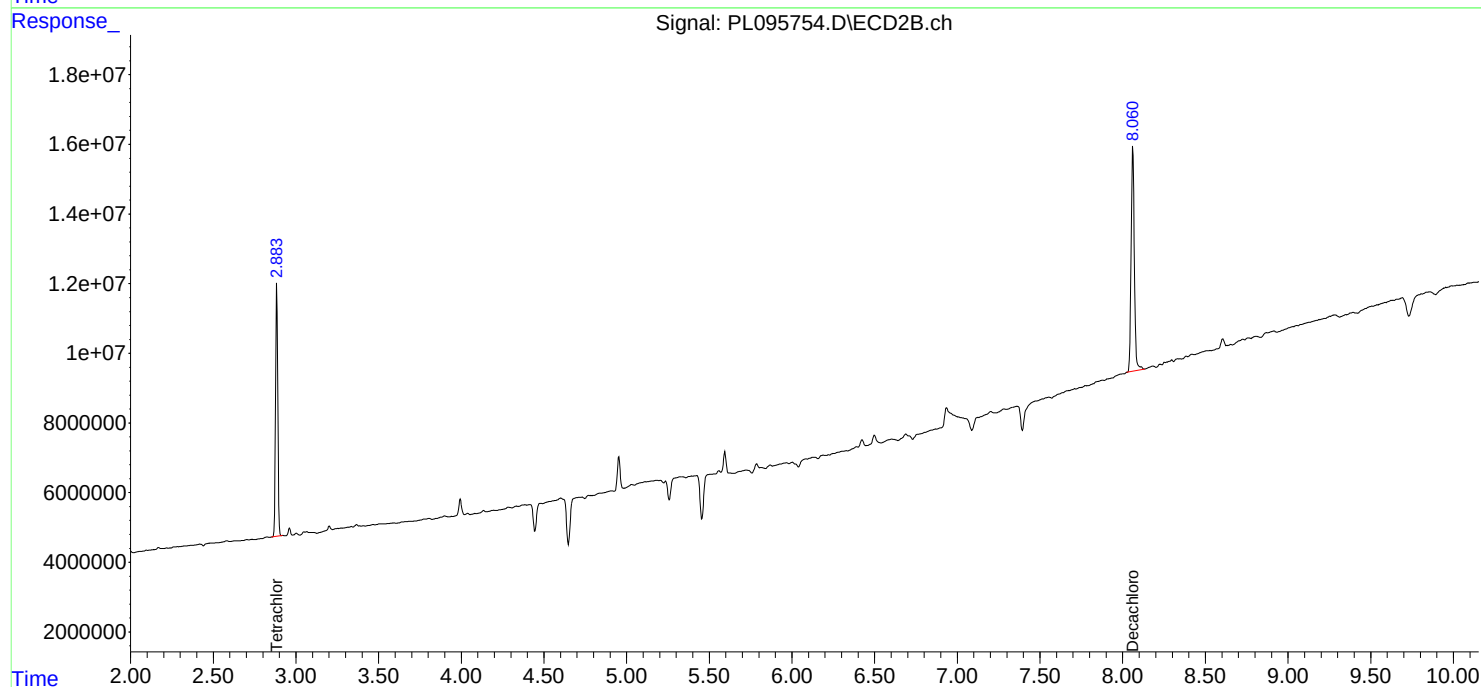
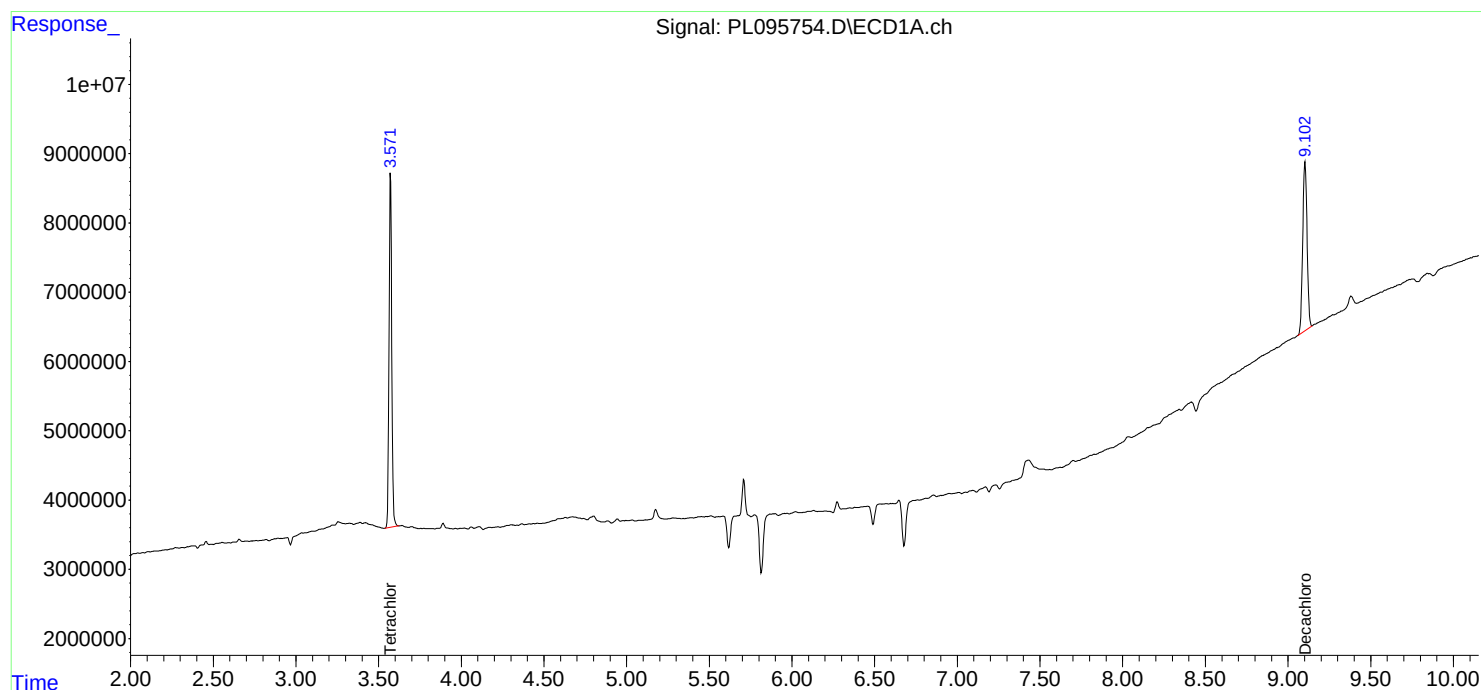
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

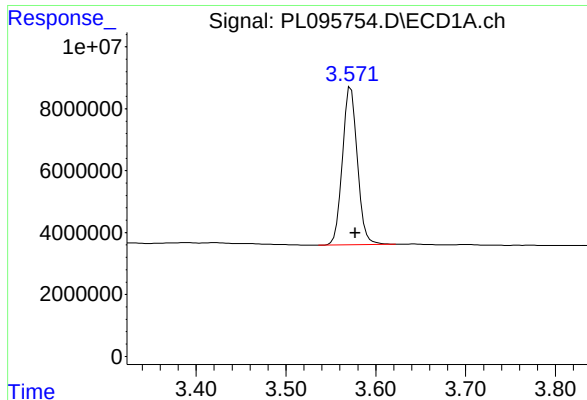
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052225\
Data File : PL095754.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 08:51
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 11:45:00 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

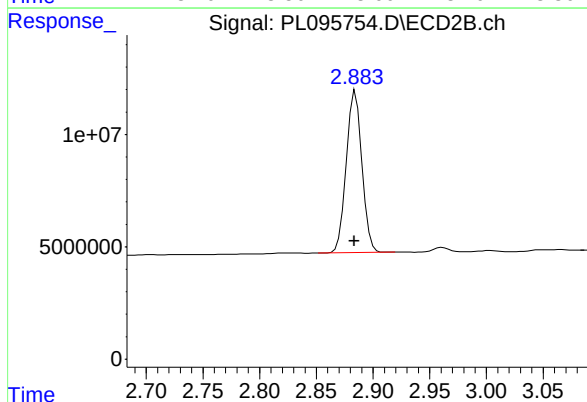




#1 Tetrachloro-m-xylene

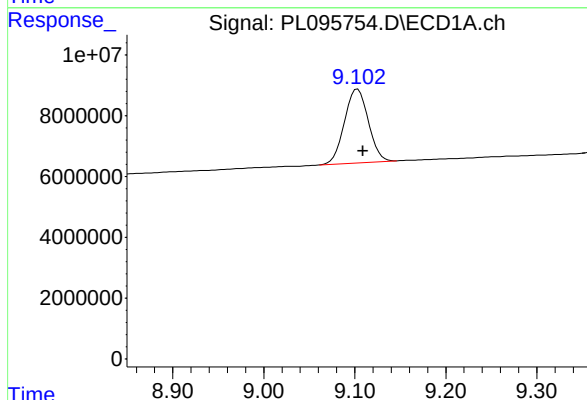
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 58717141
Conc: 18.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



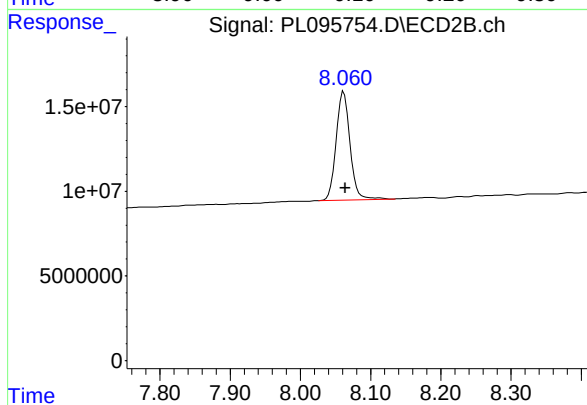
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.001 min
Response: 68883520
Conc: 17.60 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.103 min
Delta R.T.: -0.006 min
Response: 44565237
Conc: 18.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 87975897
Conc: 20.11 ng/ml

Report of Analysis

Client:	ENTACT	Date Collected:	05/22/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/22/25
Client Sample ID:	PIBLK-PL095767.D	SDG No.:	Q2079
Lab Sample ID:	I.BLK-PL095767.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
PL095767.D	1		05/22/25	PL052225

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	20.0		30 (43) - 150 (140)	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.7		30 (77) - 150 (126)	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\PL052225\
Data File : PL095767.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 13:22
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 22:39:34 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	58879809	68950904	18.661	17.617
28) SA Decachlor...	9.105	8.063	44486843	87408034	18.880	19.981

Target Compounds

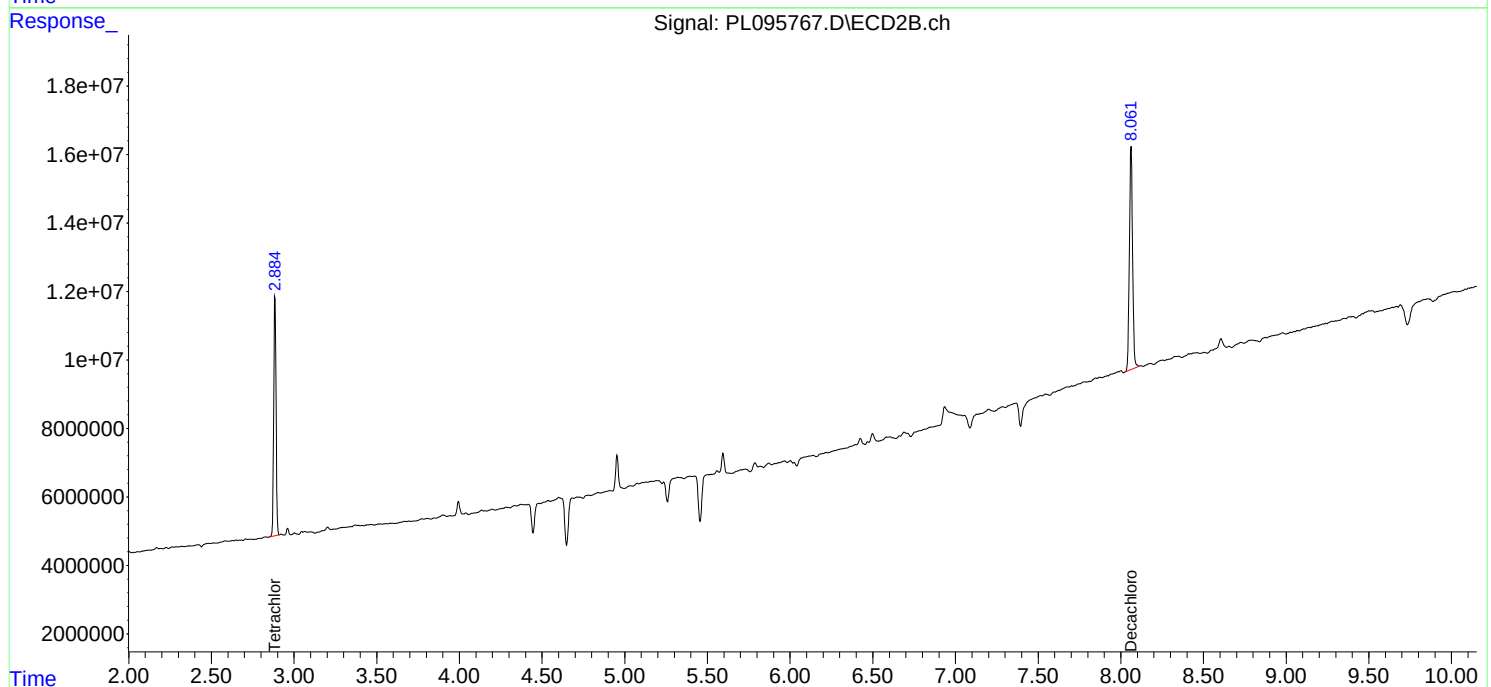
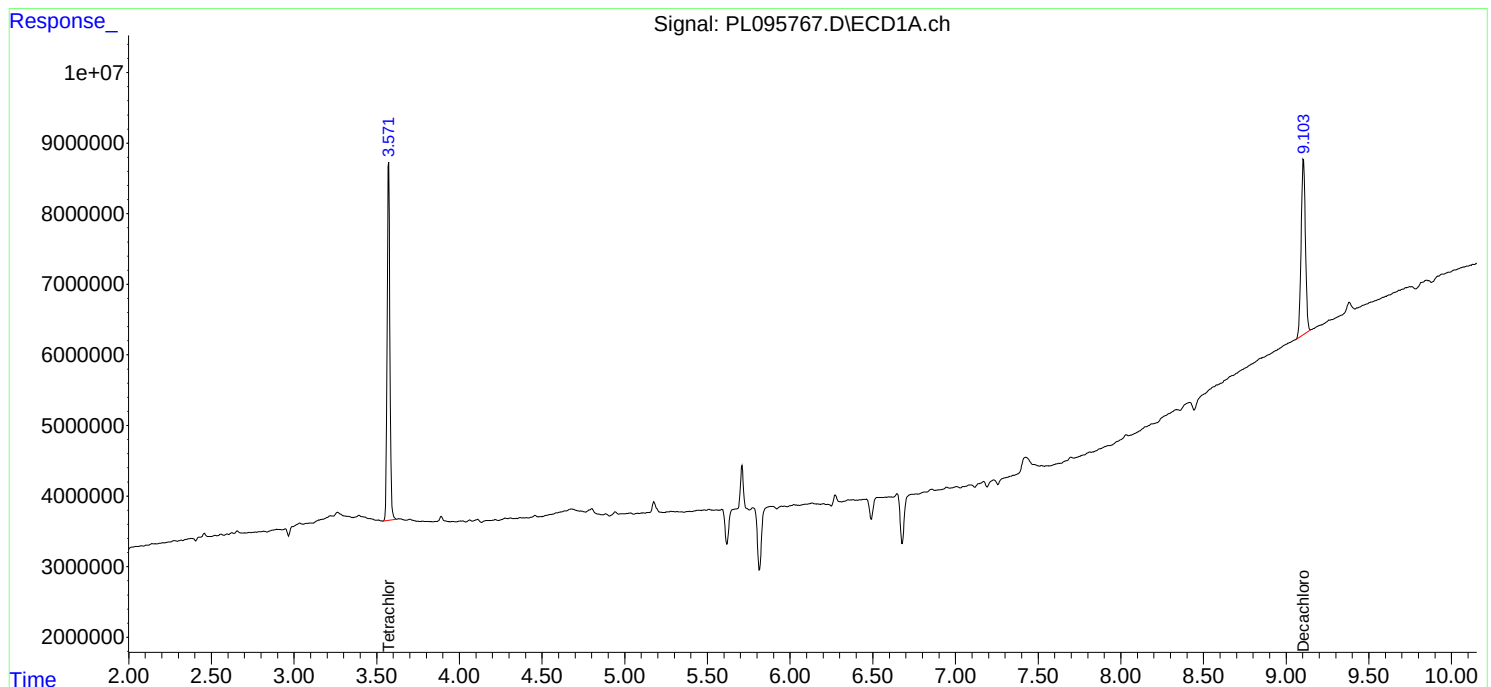
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

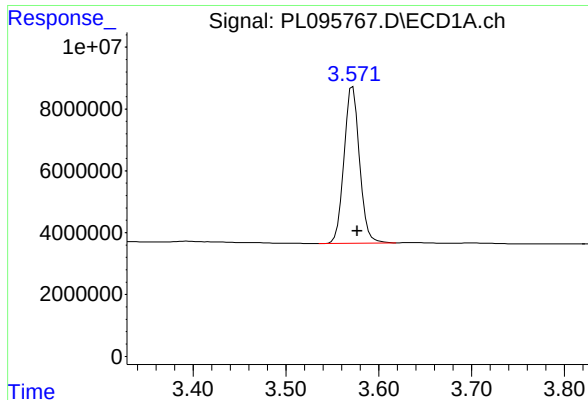
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052225\
Data File : PL095767.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 13:22
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 22:39:34 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

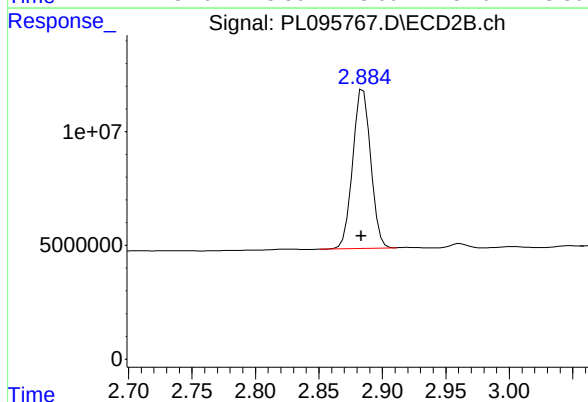




#1 Tetrachloro-m-xylene

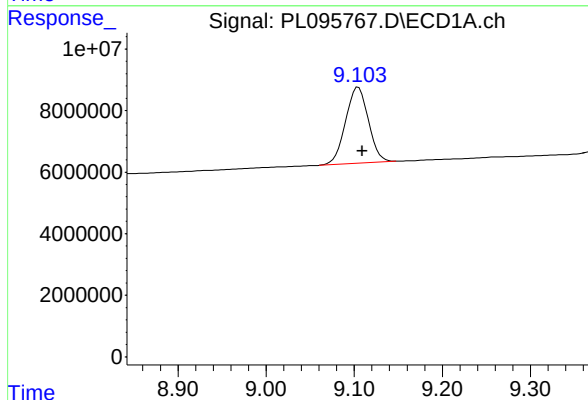
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 58879809
Conc: 18.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



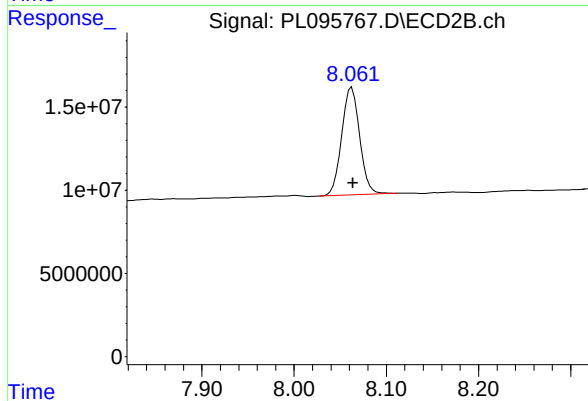
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 68950904
Conc: 17.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.105 min
Delta R.T.: -0.004 min
Response: 44486843
Conc: 18.88 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.001 min
Response: 87408034
Conc: 19.98 ng/ml

Report of Analysis

Client:	ENTACT	Date Collected:	05/22/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/22/25
Client Sample ID:	PIBLK-PL095776.D	SDG No.:	Q2079
Lab Sample ID:	I.BLK-PL095776.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
PL095776.D	1		05/22/25	PL052225

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	20.8		30 (43) - 150 (140)	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.8		30 (77) - 150 (126)	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\PL052225\
Data File : PL095776.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 15:24
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 22:42:12 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	59279090	70030001	18.787	17.892
28) SA Decachlor...	9.103	8.062	44555198	90803243	18.909	20.758

Target Compounds

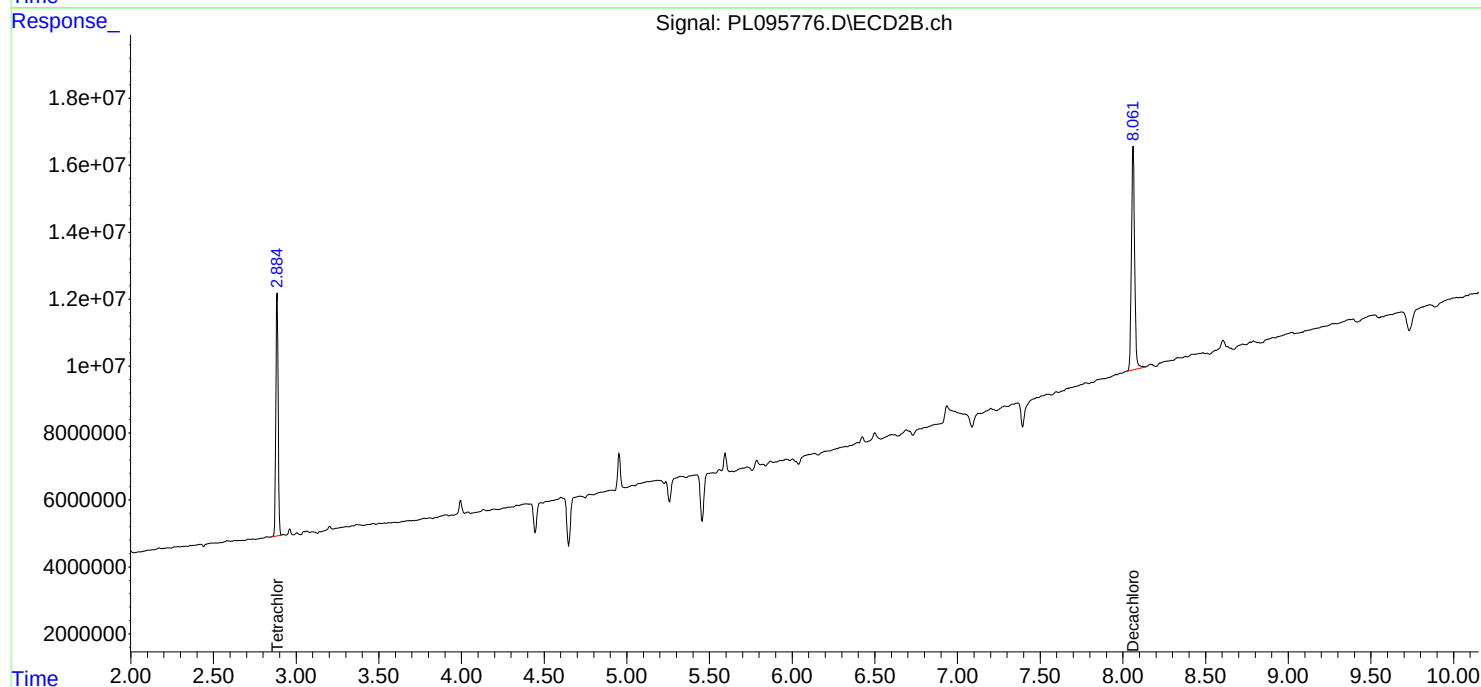
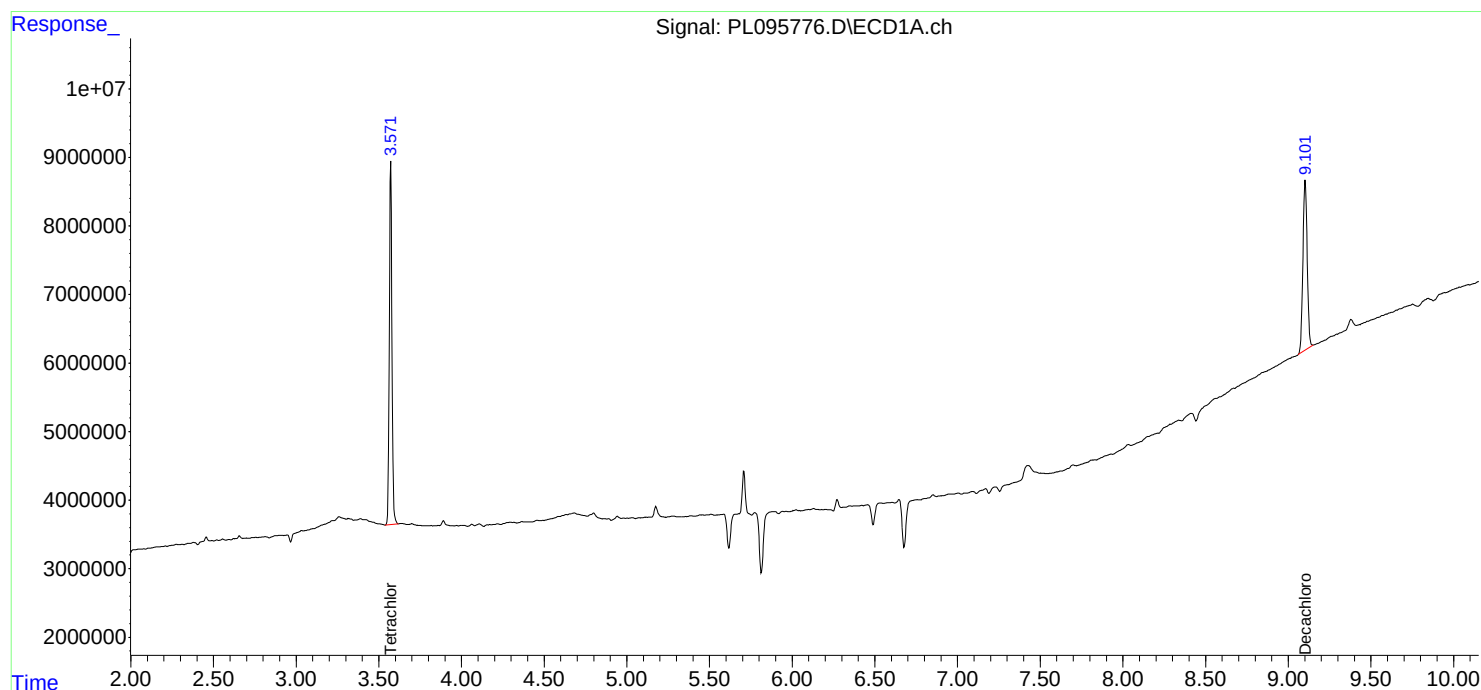
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

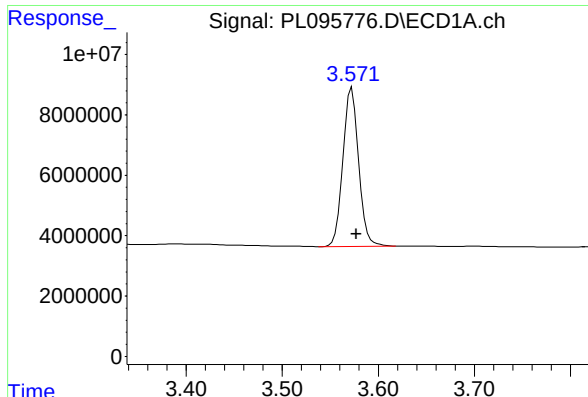
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052225\
Data File : PL095776.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 15:24
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 22:42:12 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

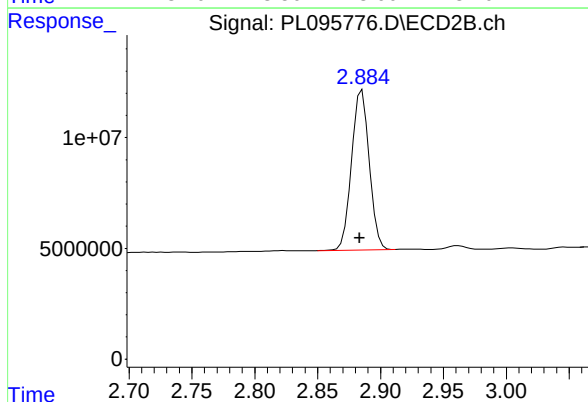




#1 Tetrachloro-m-xylene

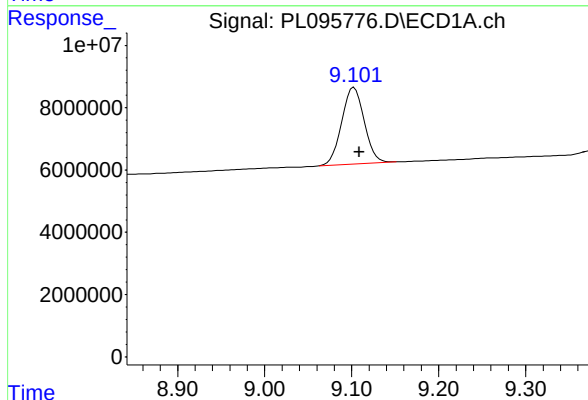
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 59279090
Conc: 18.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



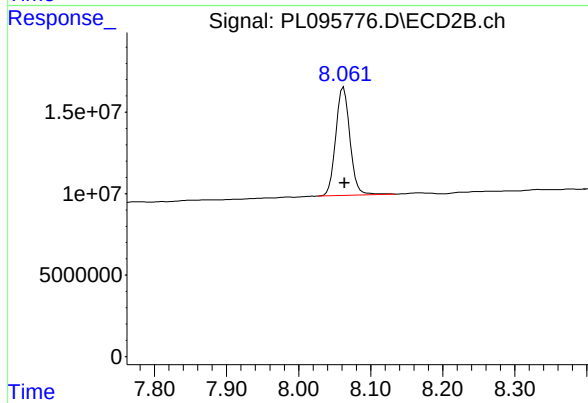
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 70030001
Conc: 17.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.103 min
Delta R.T.: -0.006 min
Response: 44555198
Conc: 18.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.001 min
Response: 90803243
Conc: 20.76 ng/ml

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	PB168121BS	SDG No.:	Q2079
Lab Sample ID:	PB168121BS	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
PL095762.D	1	05/21/25 12:45	05/22/25 11:57	PB168121

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.57		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.54		0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.58		0.0096	0.050	ug/L
72-20-8	Endrin	0.47		0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.44		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	24.5		30 (43) - 150 (140)	123%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.9		30 (77) - 150 (126)	120%	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\PL052225\
 Data File : PL095762.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 11:57
 Operator : AR\AJ
 Sample : PB168121BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB168121BS

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/23/2025
 Supervised By : mohammad ahmed 05/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 22:37:55 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...	3.574	2.882	75535817	87089193	23.940	22.251
28)	SA Decachlor...	9.107	8.061	55639300	107.3E6	23.613	24.518
Target Compounds							
2)	A alpha-BHC	4.026	3.392	277.1E6	323.8E6	57.157	55.275
3)	MA gamma-BHC...	4.358	3.726	254.4E6	308.0E6	56.897	54.995
4)	MA Heptachlor	4.956	4.079	202.8E6	286.4E6	53.583	51.052
5)	MB Aldrin	5.298	4.364	249.6E6	297.3E6	58.347	56.010
6)	B beta-BHC	4.545	4.021	110.8E6	136.4E6	56.212	55.062m
7)	B delta-BHC	4.793	4.258	237.5E6	294.1E6	53.568	52.083
8)	B Heptachlo...	5.720	4.867	223.0E6	274.8E6	58.414	55.648
9)	A Endosulfan I	6.103	5.240	212.9E6	267.9E6	58.101	56.226
10)	B gamma-Chl...	5.975	5.119	229.8E6	294.3E6	59.054	56.025
11)	B alpha-Chl...	6.056	5.184	228.6E6	289.4E6	57.910	55.621
12)	B 4,4'-DDE	6.227	5.371	214.7E6	296.0E6	58.538	55.194
13)	MA Dieldrin	6.377	5.505	227.5E6	294.3E6	58.949	55.527
14)	MA Endrin	6.604	5.780	151.8E6	221.3E6	47.055	45.381
15)	B Endosulfa...	6.817	6.070	192.2E6	264.1E6	55.768	55.571
16)	A 4,4'-DDD	6.737	5.923	186.7E6	271.3E6	63.705	61.863
17)	MA 4,4'-DDT	7.052	6.177	121.8E6	200.1E6	45.016	41.833
18)	B Endrin al...	6.946	6.248	138.8E6	190.9E6	57.432	55.257
19)	B Endosulfa...	7.181	6.472	167.2E6	247.1E6	55.970	54.970
20)	A Methoxychlor	7.526	6.748	55742061	105.4E6	43.708	40.287
21)	B Endrin ke...	7.662	6.978	200.3E6	317.4E6	63.247	61.355
22)	Mirex	8.143	7.171	132.4E6	223.5E6	57.207	55.034

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052225\
Data File : PL095762.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 11:57
Operator : AR\AJ
Sample : PB168121BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB168121BS

Manual Integrations

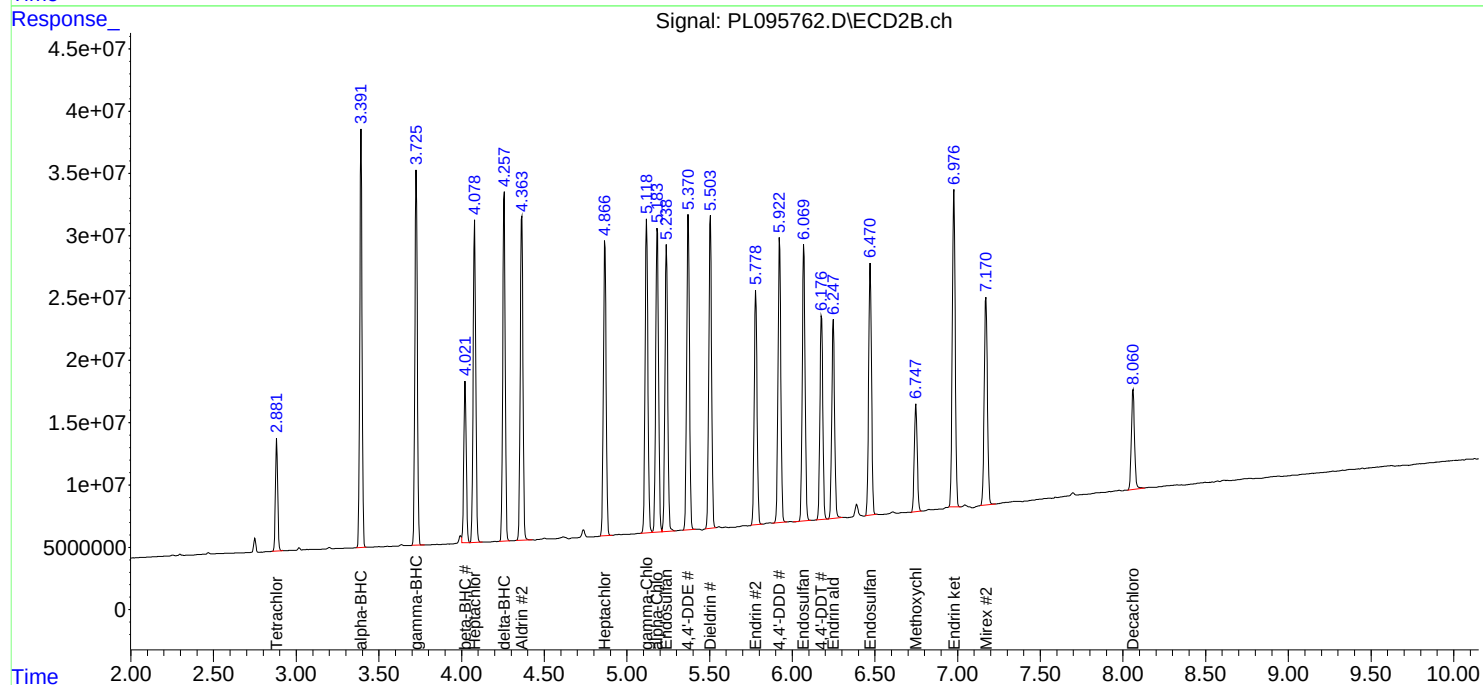
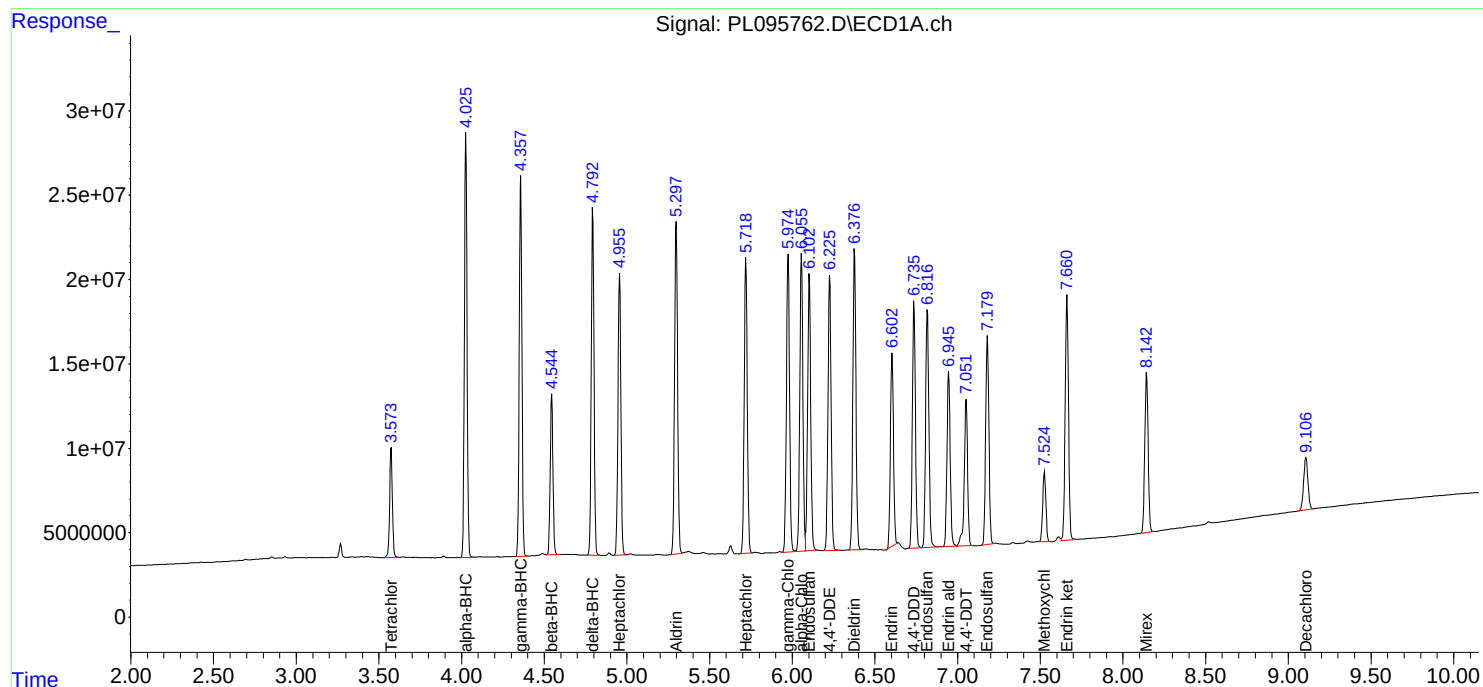
APPROVED

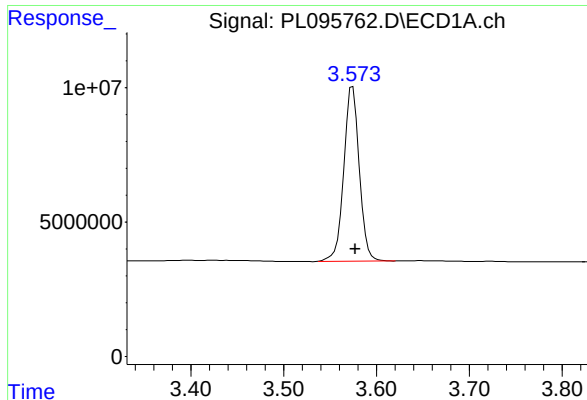
Reviewed By :Abdul Mirza 05/23/2025

Supervised By :mohammad ahmed 05/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 22:37:55 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





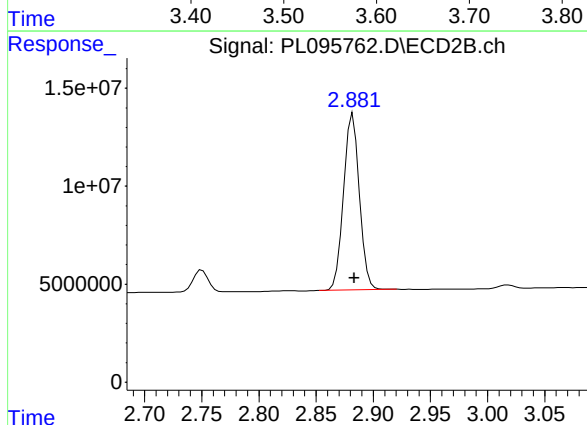
#1 Tetrachloro-m-xylene

R.T.: 3.574 min
Delta R.T.: -0.003 min
Response: 75535817
Conc: 23.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168121BS

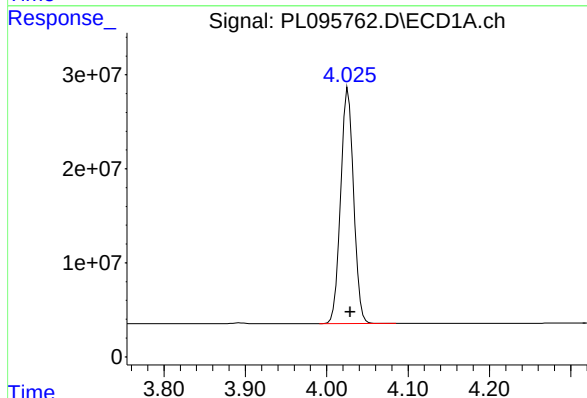
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



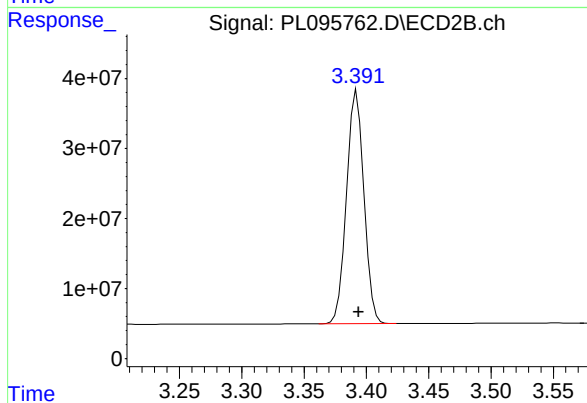
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: -0.001 min
Response: 87089193
Conc: 22.25 ng/ml



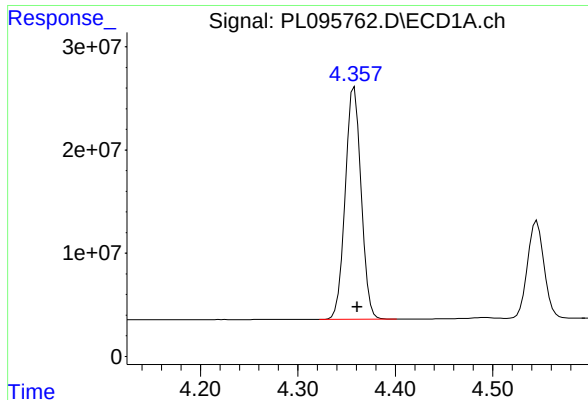
#2 alpha-BHC

R.T.: 4.026 min
Delta R.T.: -0.003 min
Response: 277093771
Conc: 57.16 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.002 min
Response: 323766502
Conc: 55.28 ng/ml



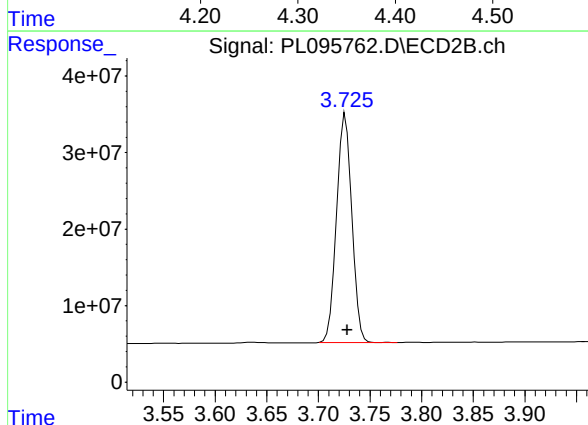
#3 gamma-BHC (Lindane)

R.T.: 4.358 min
Delta R.T.: -0.003 min
Response: 254433775
Conc: 56.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168121BS

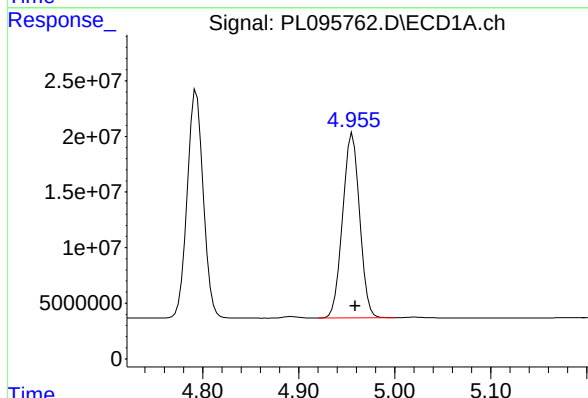
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



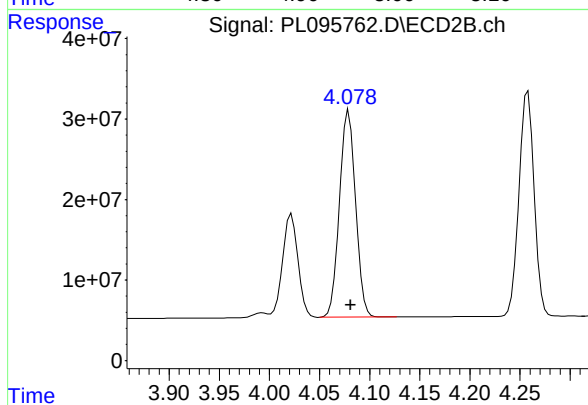
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: -0.002 min
Response: 308038055
Conc: 54.99 ng/ml



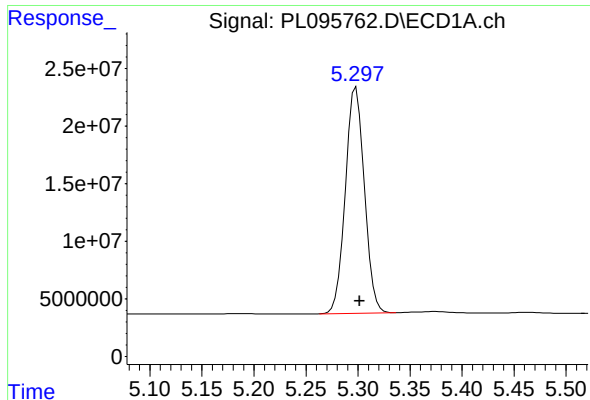
#4 Heptachlor

R.T.: 4.956 min
Delta R.T.: -0.003 min
Response: 202815462
Conc: 53.58 ng/ml



#4 Heptachlor

R.T.: 4.079 min
Delta R.T.: -0.002 min
Response: 286355704
Conc: 51.05 ng/ml



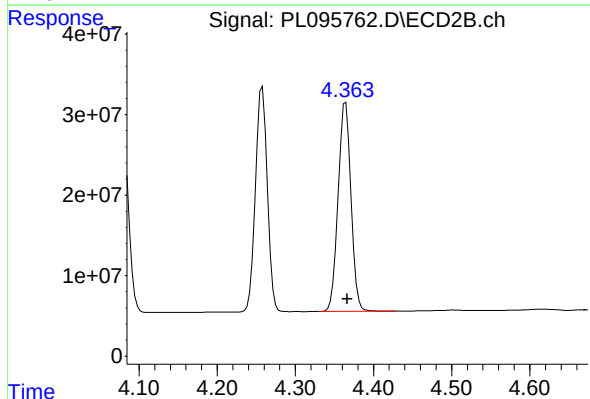
#5 Aldrin

R.T.: 5.298 min
Delta R.T.: -0.004 min
Response: 249594679
Conc: 58.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168121BS

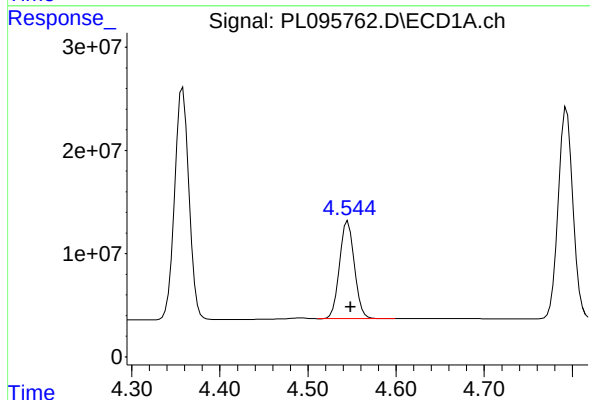
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



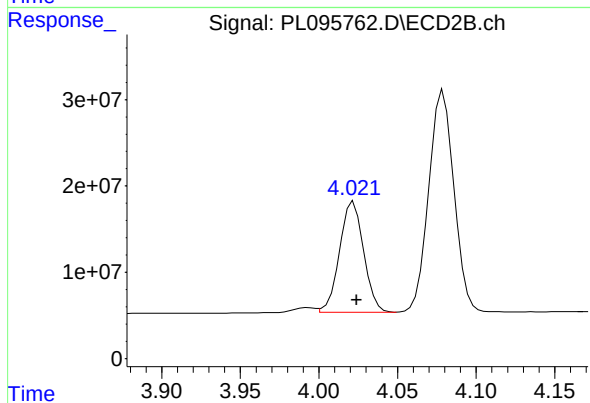
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: -0.002 min
Response: 297251382
Conc: 56.01 ng/ml



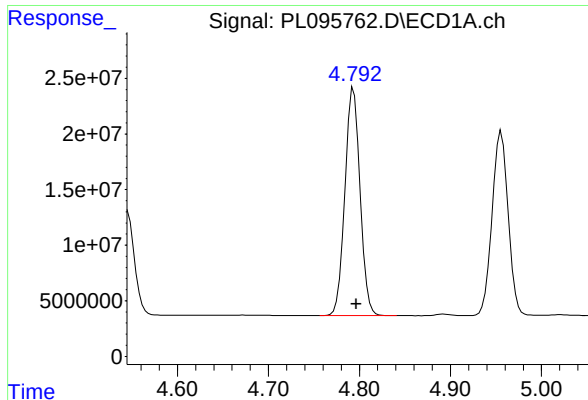
#6 beta-BHC

R.T.: 4.545 min
Delta R.T.: -0.003 min
Response: 110814985
Conc: 56.21 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: -0.003 min
Response: 136418269
Conc: 55.06 ng/ml m



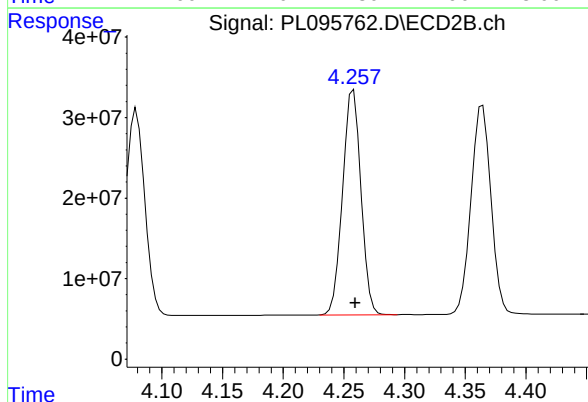
#7 delta-BHC

R.T.: 4.793 min
Delta R.T.: -0.003 min
Response: 237499897
Conc: 53.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168121BS

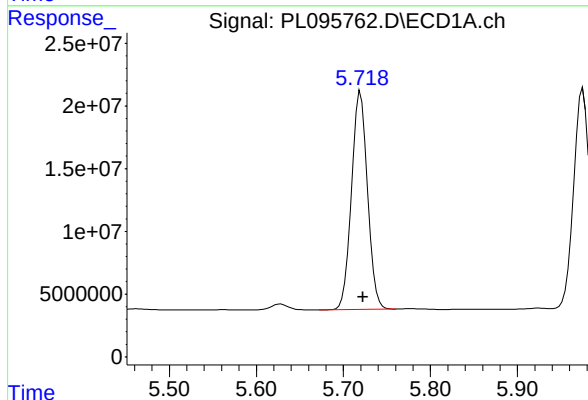
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



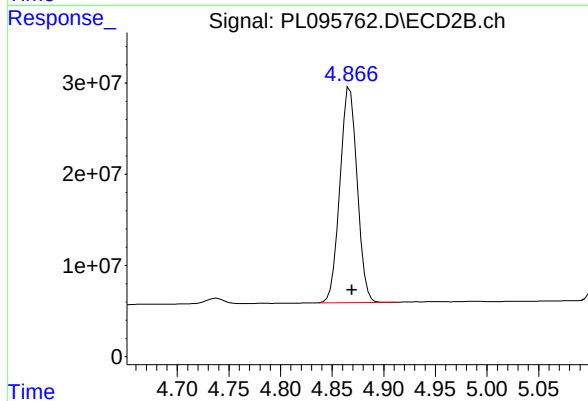
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: -0.002 min
Response: 294130896
Conc: 52.08 ng/ml



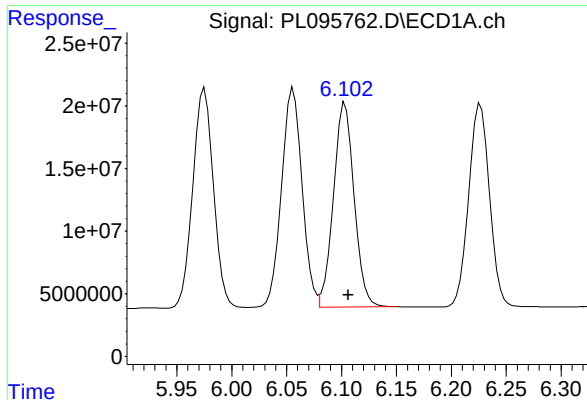
#8 Heptachlor epoxide

R.T.: 5.720 min
Delta R.T.: -0.003 min
Response: 222958464
Conc: 58.41 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: -0.002 min
Response: 274758642
Conc: 55.65 ng/ml



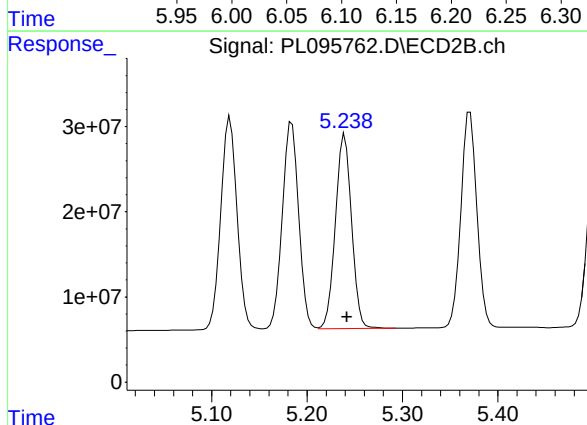
#9 Endosulfan I

R.T.: 6.103 min
Delta R.T.: -0.003 min
Response: 212930645
Conc: 58.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168121BS

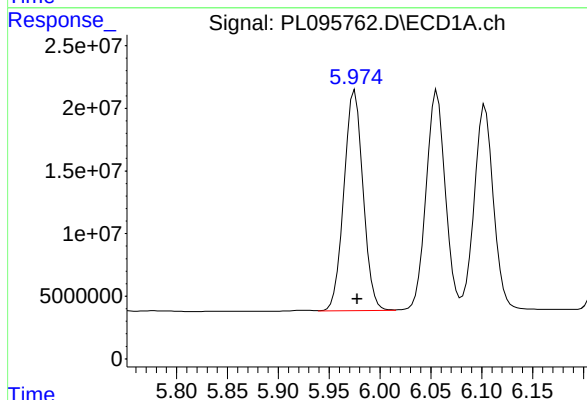
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



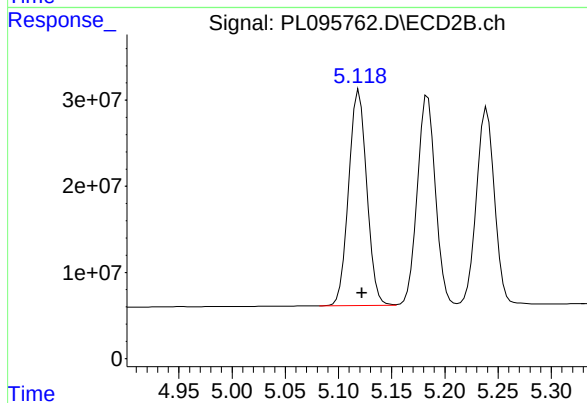
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: -0.002 min
Response: 267913699
Conc: 56.23 ng/ml



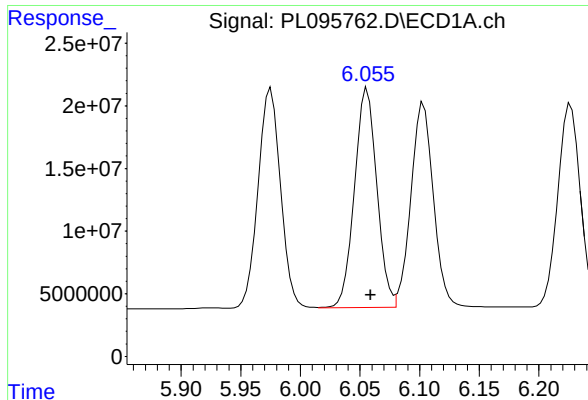
#10 gamma-Chlordane

R.T.: 5.975 min
Delta R.T.: -0.002 min
Response: 229844691
Conc: 59.05 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: -0.003 min
Response: 294282032
Conc: 56.02 ng/ml



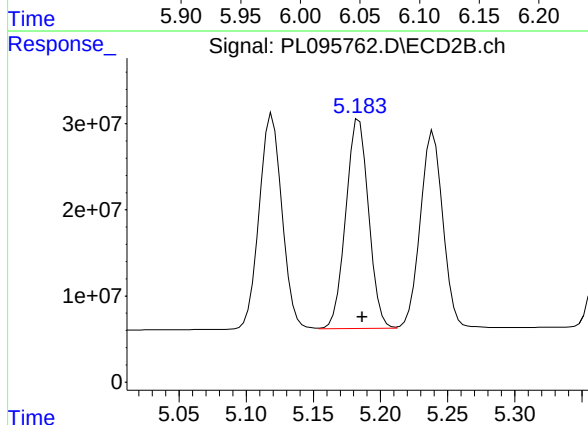
#11 alpha-Chlordane

R.T.: 6.056 min
Delta R.T.: -0.003 min
Response: 228639195
Conc: 57.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168121BS

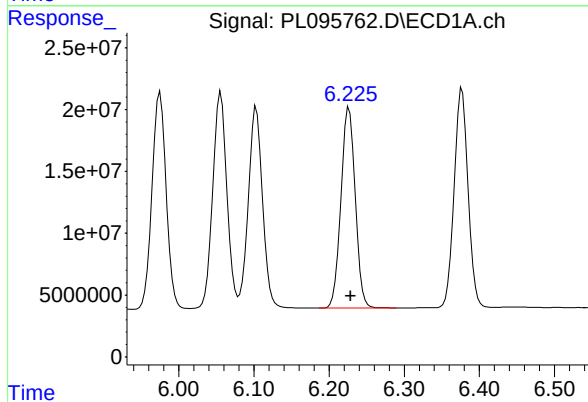
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



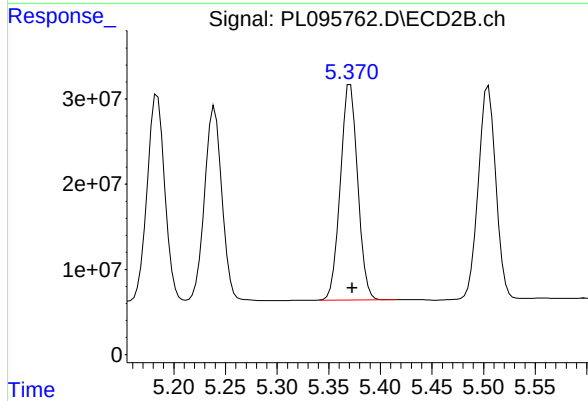
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 289382966
Conc: 55.62 ng/ml



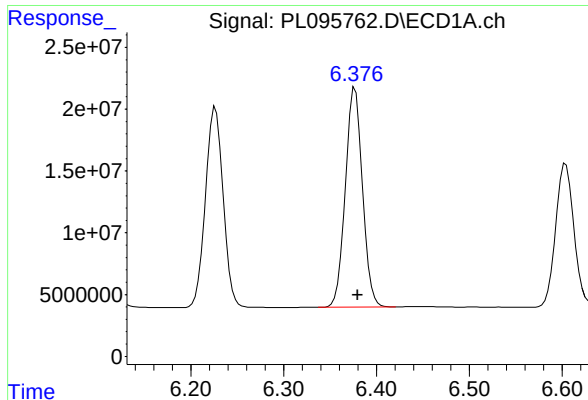
#12 4,4'-DDE

R.T.: 6.227 min
Delta R.T.: -0.002 min
Response: 214712898
Conc: 58.54 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: -0.002 min
Response: 295956677
Conc: 55.19 ng/ml



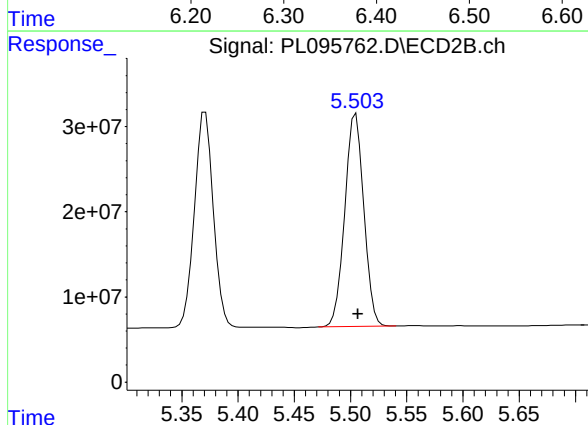
#13 Dieldrin

R.T.: 6.377 min
Delta R.T.: -0.003 min
Response: 227494018
Conc: 58.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168121BS

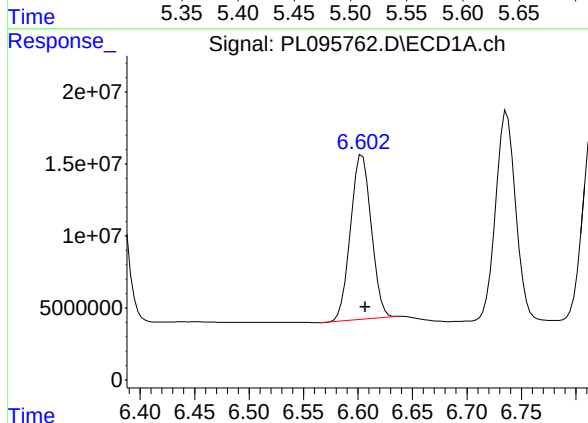
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



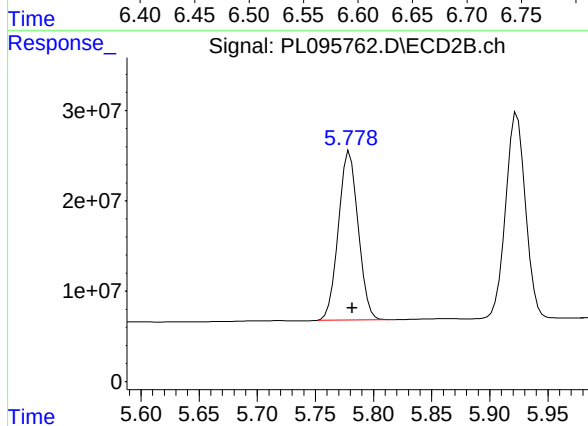
#13 Dieldrin

R.T.: 5.505 min
Delta R.T.: -0.002 min
Response: 294297847
Conc: 55.53 ng/ml



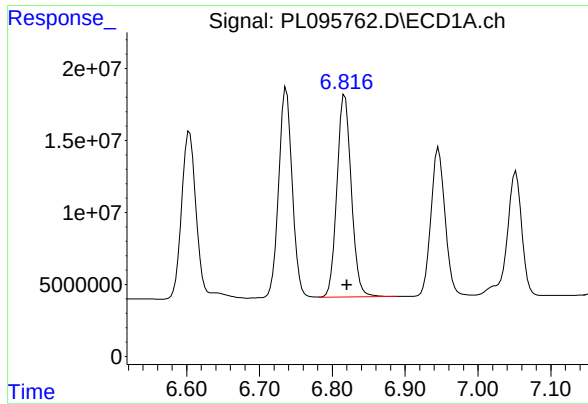
#14 Endrin

R.T.: 6.604 min
Delta R.T.: -0.003 min
Response: 151833571
Conc: 47.05 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 221281967
Conc: 45.38 ng/ml



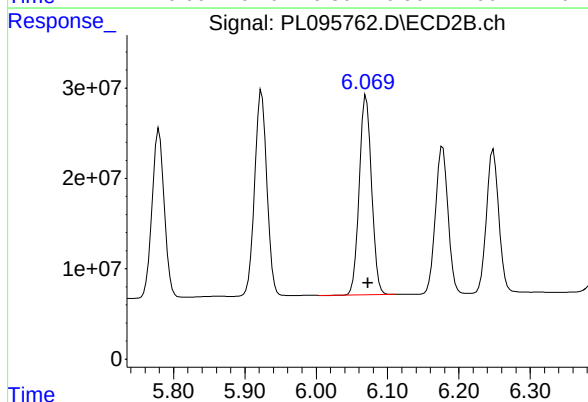
#15 Endosulfan II

R.T.: 6.817 min
Delta R.T.: -0.003 min
Response: 192178063
Conc: 55.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168121BS

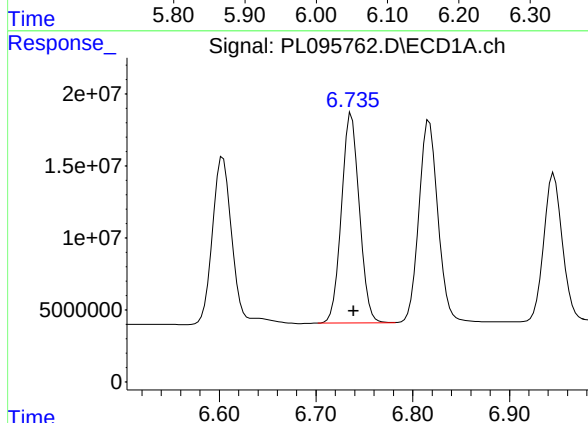
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



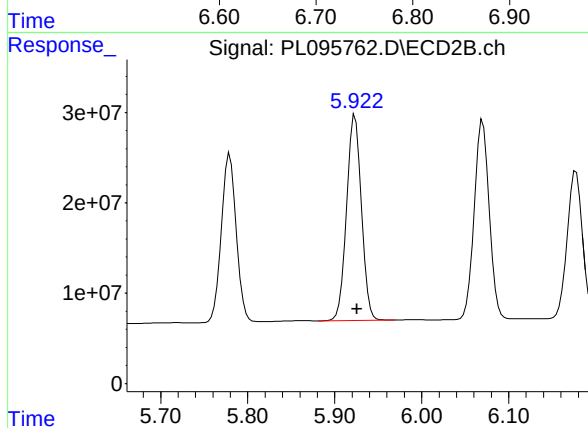
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 264059472
Conc: 55.57 ng/ml



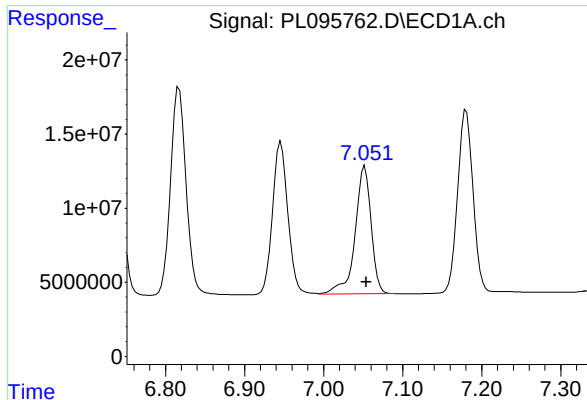
#16 4,4'-DDD

R.T.: 6.737 min
Delta R.T.: -0.002 min
Response: 186694424
Conc: 63.71 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.002 min
Response: 271265152
Conc: 61.86 ng/ml



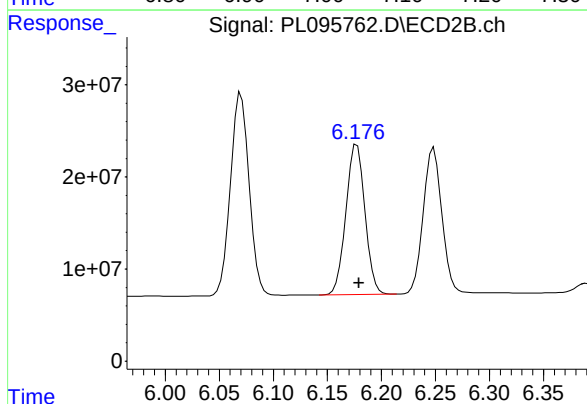
#17 4,4'-DDT

R.T.: 7.052 min
Delta R.T.: -0.002 min
Response: 121774369
Conc: 45.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168121BS

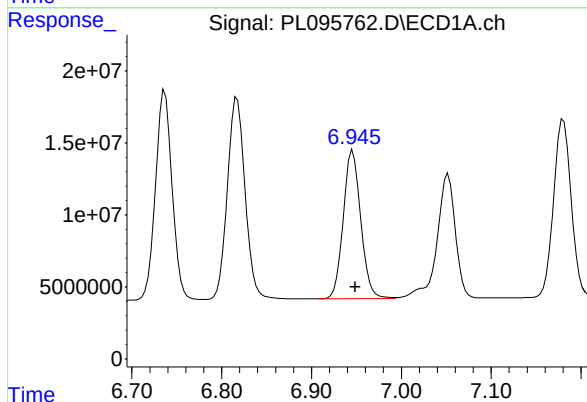
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



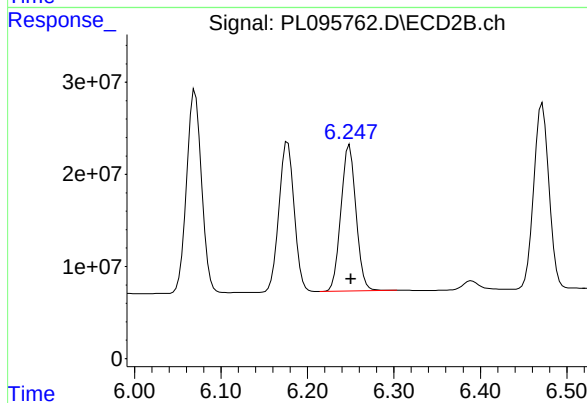
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: -0.002 min
Response: 200072053
Conc: 41.83 ng/ml



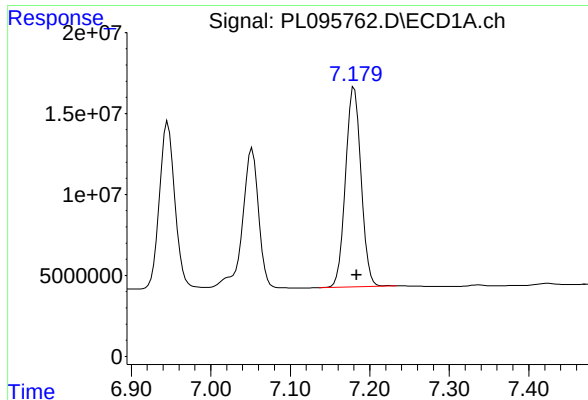
#18 Endrin aldehyde

R.T.: 6.946 min
Delta R.T.: -0.003 min
Response: 138849096
Conc: 57.43 ng/ml



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.002 min
Response: 190875132
Conc: 55.26 ng/ml



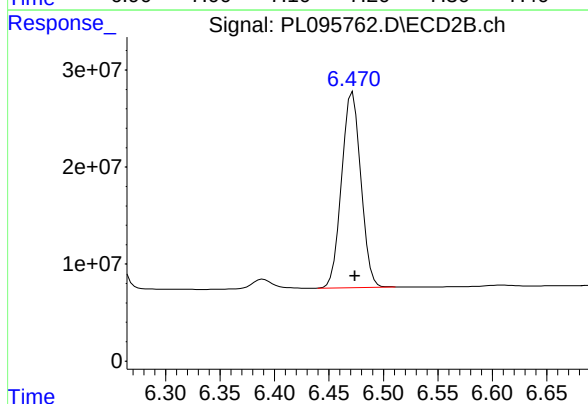
#19 Endosulfan Sulfate

R.T.: 7.181 min
Delta R.T.: -0.003 min
Response: 167178759
Conc: 55.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168121BS

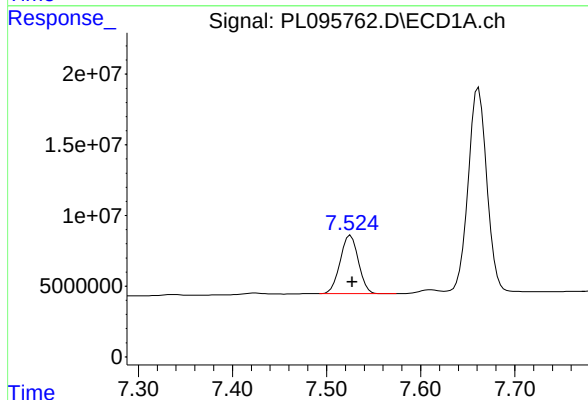
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



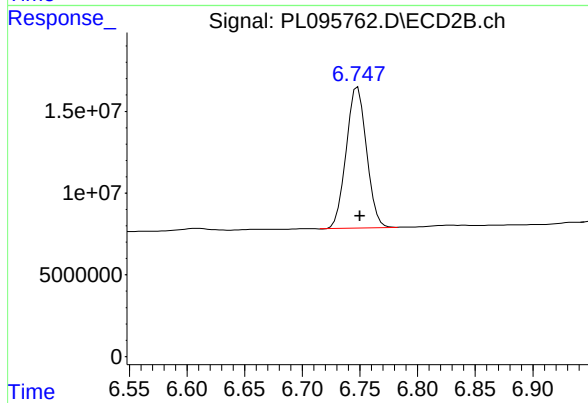
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.002 min
Response: 247078149
Conc: 54.97 ng/ml



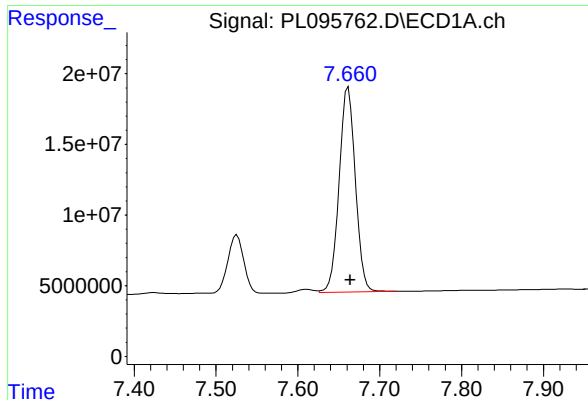
#20 Methoxychlor

R.T.: 7.526 min
Delta R.T.: -0.002 min
Response: 55742061
Conc: 43.71 ng/ml



#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: -0.002 min
Response: 105394548
Conc: 40.29 ng/ml



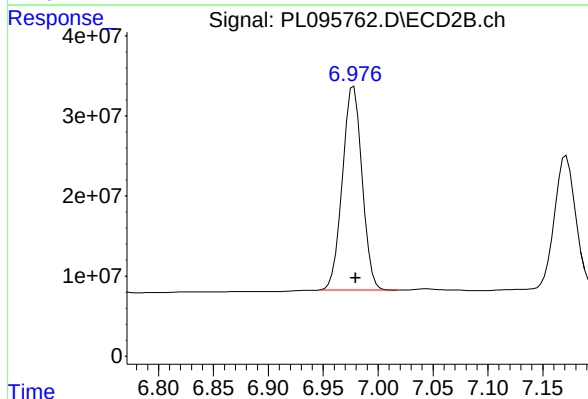
#21 Endrin ketone

R.T.: 7.662 min
Delta R.T.: -0.003 min
Response: 200298536
Conc: 63.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168121BS

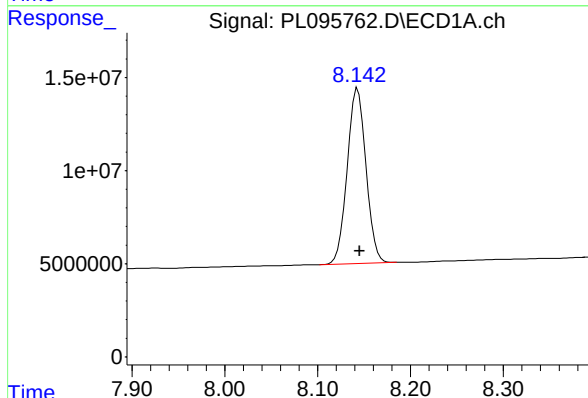
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



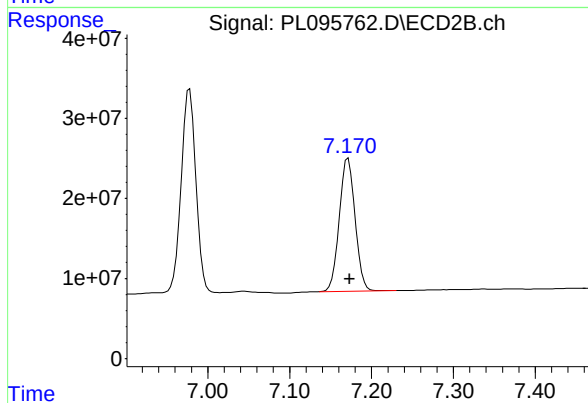
#21 Endrin ketone

R.T.: 6.978 min
Delta R.T.: -0.002 min
Response: 317444631
Conc: 61.36 ng/ml



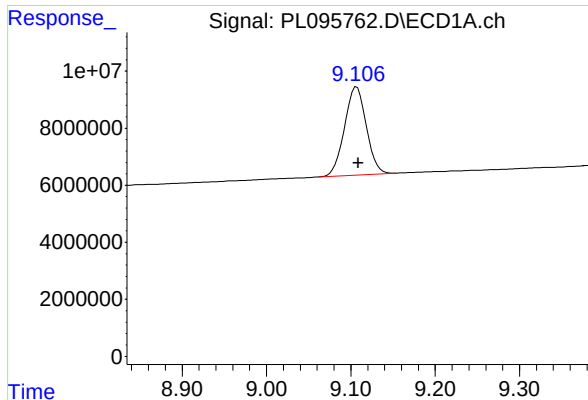
#22 Mirex

R.T.: 8.143 min
Delta R.T.: -0.002 min
Response: 132364053
Conc: 57.21 ng/ml



#22 Mirex

R.T.: 7.171 min
Delta R.T.: -0.002 min
Response: 223464907
Conc: 55.03 ng/ml



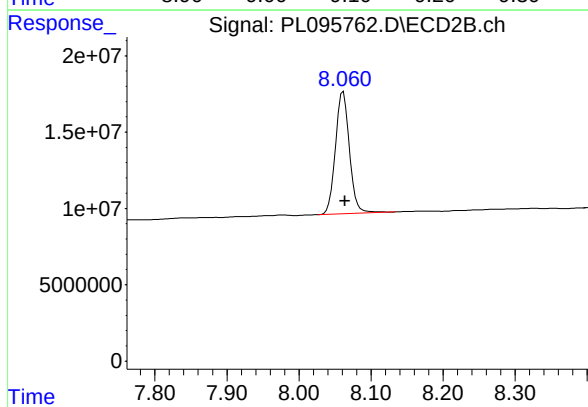
#28 Decachlorobiphenyl

R.T.: 9.107 min
Delta R.T.: -0.002 min
Response: 55639300
Conc: 23.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168121BS

Manual Integrations
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Supervised By :mohammad ahmed 05/24/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.002 min
Response: 107254568
Conc: 24.52 ng/ml

Report of Analysis

Client:	ENTACT	Date Collected:	05/19/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/19/25
Client Sample ID:	PL-HRH-COMP-01MS	SDG No.:	Q2079
Lab Sample ID:	Q2080-06MS	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
PL095759.D	1	05/21/25 12:45	05/22/25 09:59	PB168121

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	4.80		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.10		0.096	0.50	ug/L
72-20-8	Endrin	4.50		0.032	0.50	ug/L
72-43-5	Methoxychlor	4.20		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	20.9		30 (43) - 150 (140)	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		30 (77) - 150 (126)	92%	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\PL052225\
 Data File : PL095759.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 09:59
 Operator : AR\AJ
 Sample : Q2080-06MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PL-HRH-COMP-01MS

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/23/2025
 Supervised By : mohammad ahmed 05/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 11:46:42 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	57948810	67972916	18.366m	17.367
2) SA Decachlor...	9.102	8.062	45067620	91260039	19.126	20.862
Target Compounds						
2) A alpha-BHC	4.024	3.396	243.8E6	298.5E6	50.292	50.967
3) MA gamma-BHC...	4.355	3.730	226.6E6	285.7E6	50.663m	51.011
4) MA Heptachlor	4.954	4.083	180.4E6	265.9E6	47.669	47.414
5) MB Aldrin	5.296	4.367	205.0E6	259.7E6	47.918	48.944
6) B beta-BHC	4.543	4.024	97084258	129.5E6	49.247	52.271m
7) B delta-BHC	4.792	4.261	221.6E6	288.7E6	49.993	51.127
8) B Heptachlo...	5.718	4.870	191.8E6	251.8E6	50.243	50.990
9) A Endosulfan I	6.101	5.242	183.6E6	242.8E6	50.092	50.963
10) B gamma-Chl...	5.973	5.122	196.4E6	264.8E6	50.450	50.412
11) B alpha-Chl...	6.054	5.186	194.9E6	261.9E6	49.373	50.340
12) B 4,4'-DDE	6.224	5.373	181.2E6	265.4E6	49.411	49.504
13) MA Dieldrin	6.375	5.507	196.2E6	267.5E6	50.829	50.476
14) MA Endrin	6.602	5.782	146.6E6	220.8E6	45.443	45.283
15) B Endosulfa...	6.815	6.072	166.9E6	241.0E6	48.447	50.726
16) A 4,4'-DDD	6.735	5.926	155.1E6	233.7E6	52.924	53.291
17) MA 4,4'-DDT	7.050	6.179	116.9E6	201.1E6	43.206	42.057
18) B Endrin al...	6.944	6.250	125.5E6	180.2E6	51.907	52.163
19) B Endosulfa...	7.178	6.474	147.5E6	228.5E6	49.368	50.837
20) A Methoxychlor	7.523	6.749	54026416	107.2E6	42.363	40.966
21) B Endrin ke...	7.659	6.979	169.3E6	276.6E6	53.458	53.467
22) Mirex	8.141	7.173	114.7E6	198.4E6	49.565	48.854

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052225\
Data File : PL095759.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 09:59
Operator : AR\AJ
Sample : Q2080-06MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

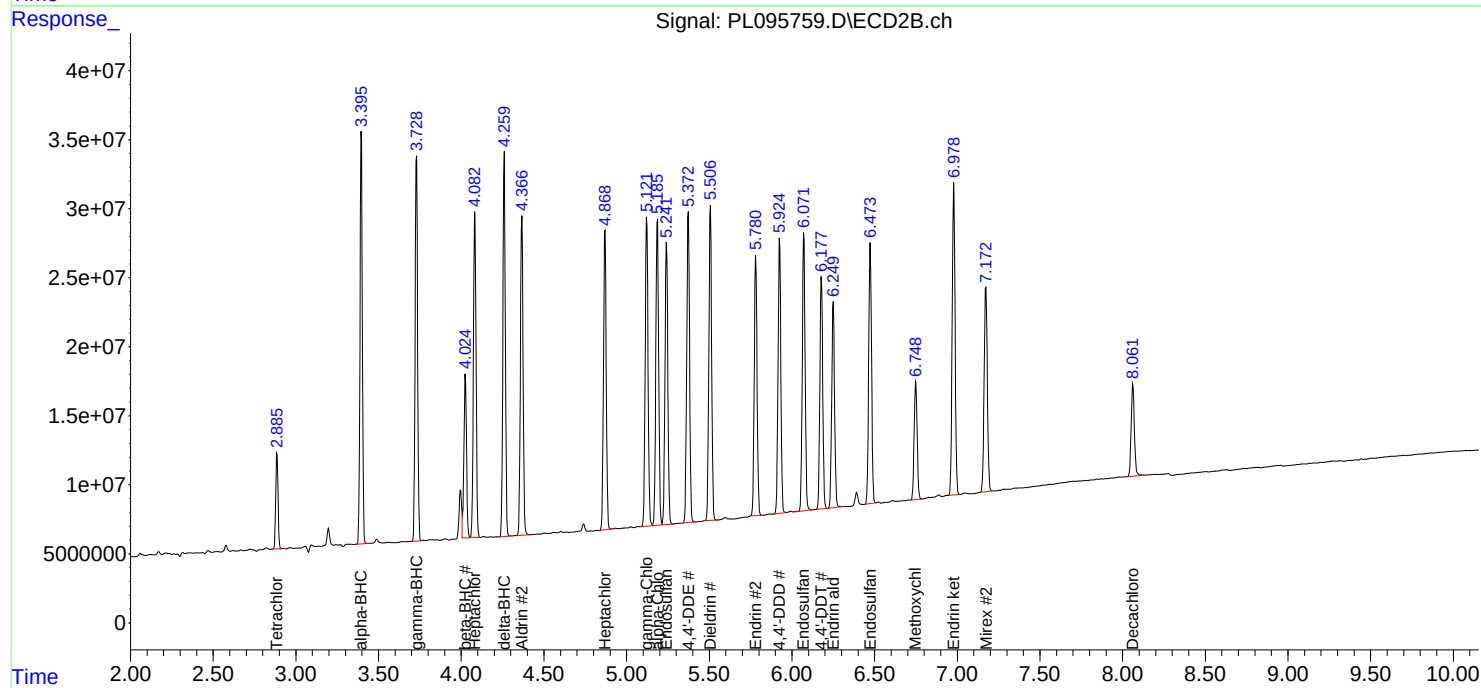
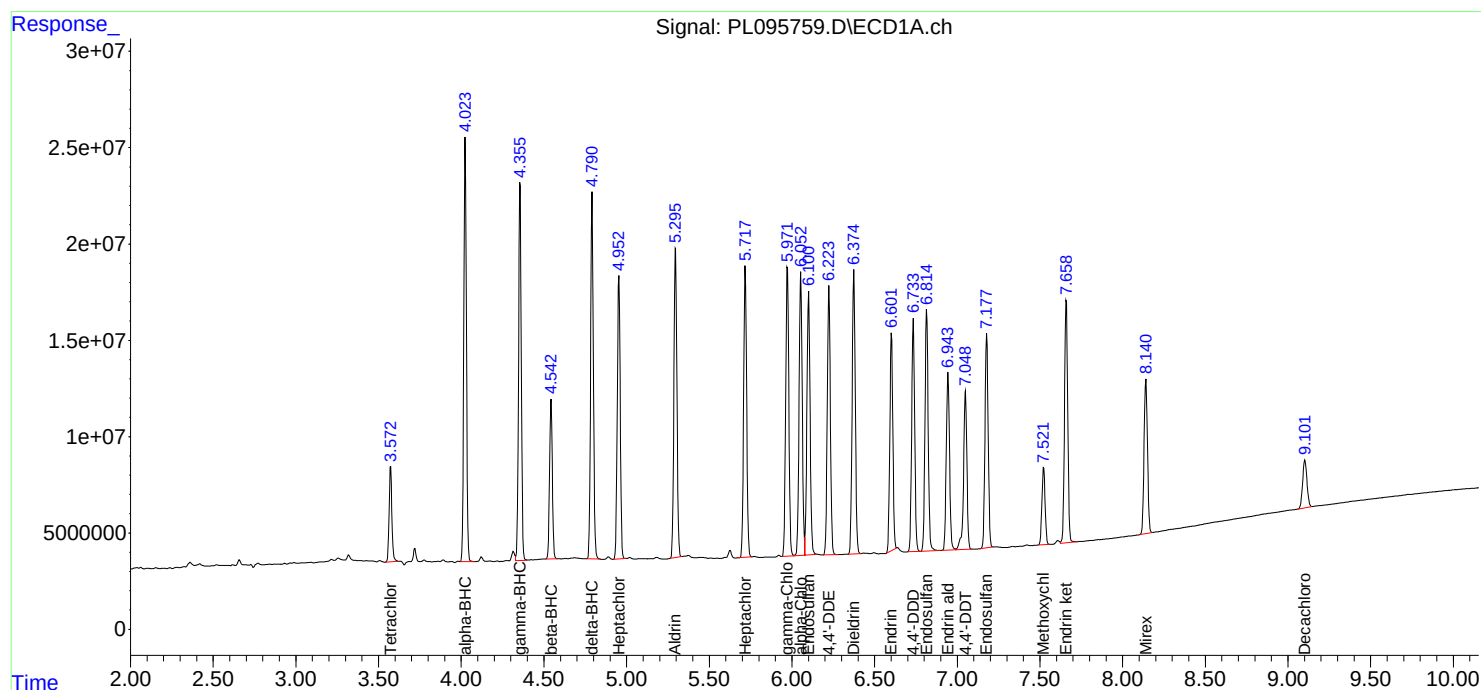
Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MS

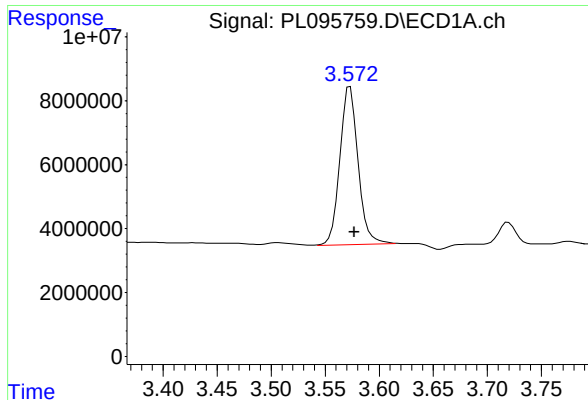
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/23/2025
Supervised By : mohammad ahmed 05/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 11:46:42 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





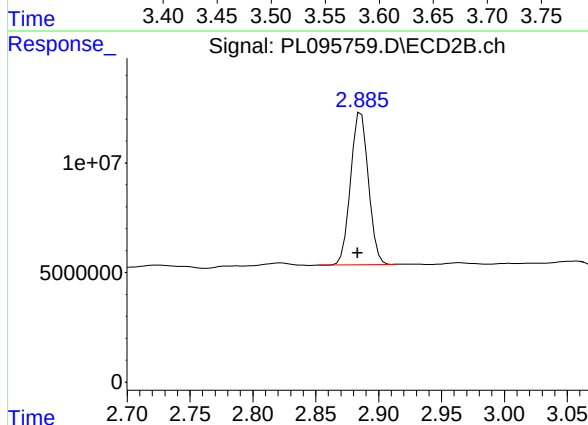
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 57948810
Conc: 18.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MS

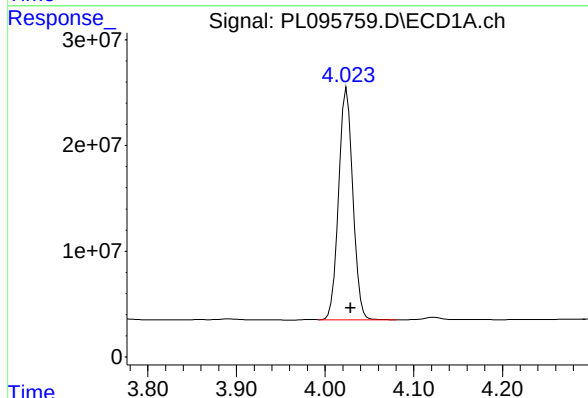
Manual Integrations
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Supervised By :mohammad ahmed 05/24/2025



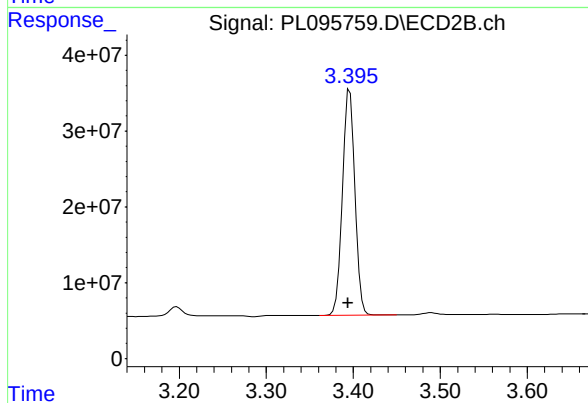
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.003 min
Response: 67972916
Conc: 17.37 ng/ml



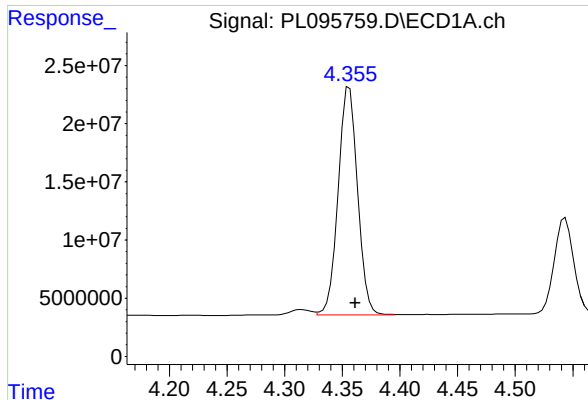
#2 alpha-BHC

R.T.: 4.024 min
Delta R.T.: -0.005 min
Response: 243810971
Conc: 50.29 ng/ml



#2 alpha-BHC

R.T.: 3.396 min
Delta R.T.: 0.002 min
Response: 298529953
Conc: 50.97 ng/ml



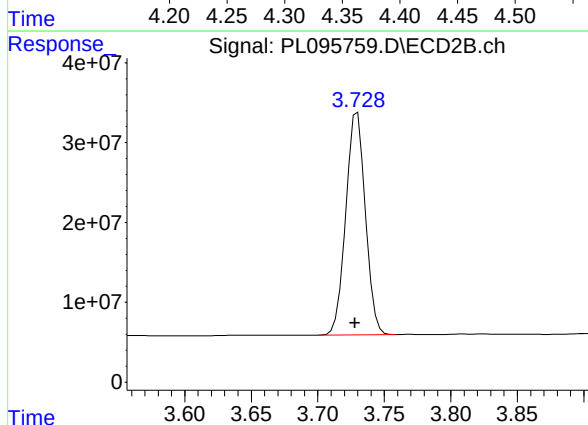
#3 gamma-BHC (Lindane)

R.T.: 4.355 min
Delta R.T.: -0.007 min
Response: 226558343
Conc: 50.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MS

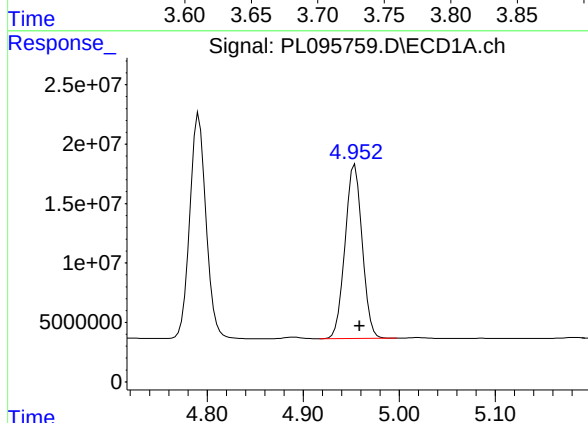
Manual Integrations
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Supervised By :mohammad ahmed 05/24/2025



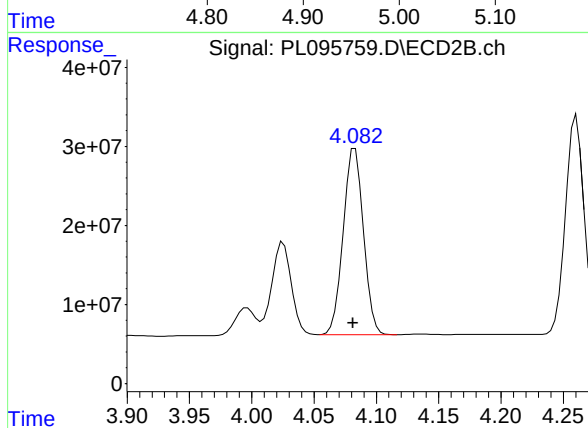
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.002 min
Response: 285725395
Conc: 51.01 ng/ml



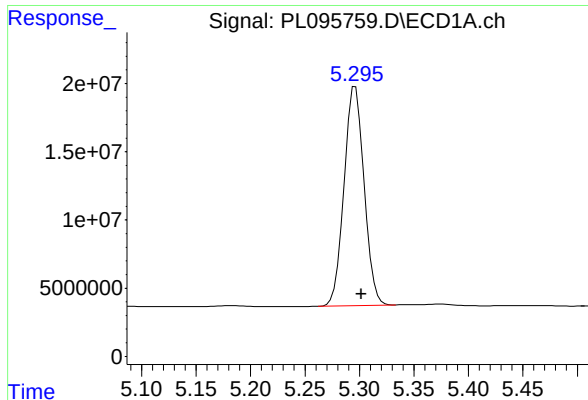
#4 Heptachlor

R.T.: 4.954 min
Delta R.T.: -0.005 min
Response: 180427438
Conc: 47.67 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: 0.002 min
Response: 265948170
Conc: 47.41 ng/ml



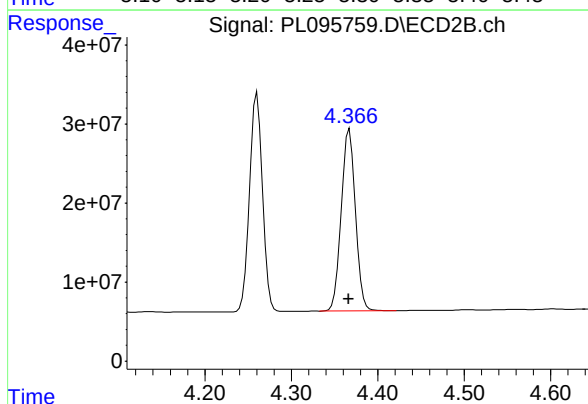
#5 Aldrin

R.T.: 5.296 min
Delta R.T.: -0.006 min
Response: 204980204
Conc: 47.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MS

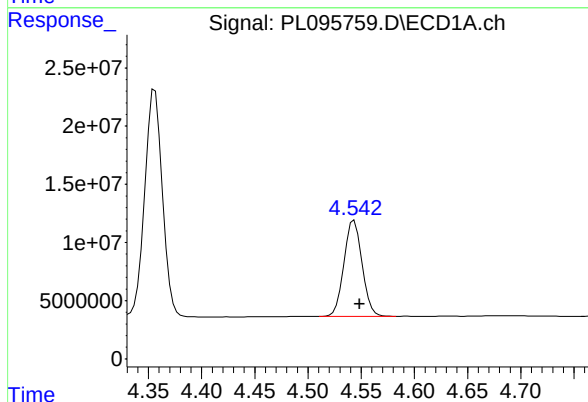
Manual Integrations
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Supervised By :mohammad ahmed 05/24/2025



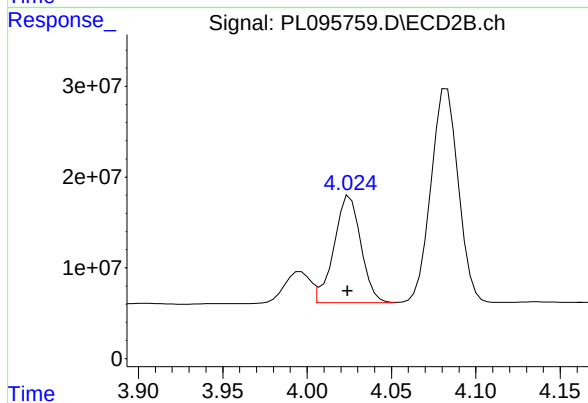
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: 0.000 min
Response: 259748909
Conc: 48.94 ng/ml



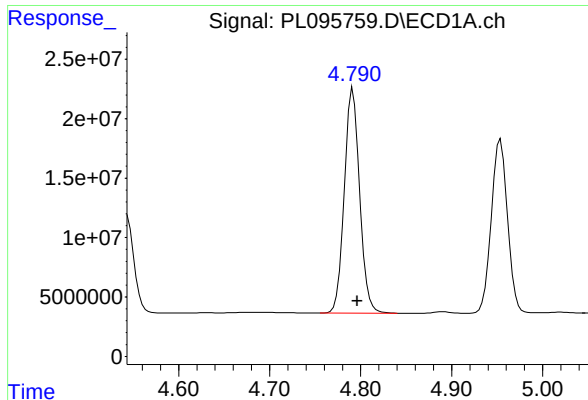
#6 beta-BHC

R.T.: 4.543 min
Delta R.T.: -0.005 min
Response: 97084258
Conc: 49.25 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 129502957
Conc: 52.27 ng/ml m



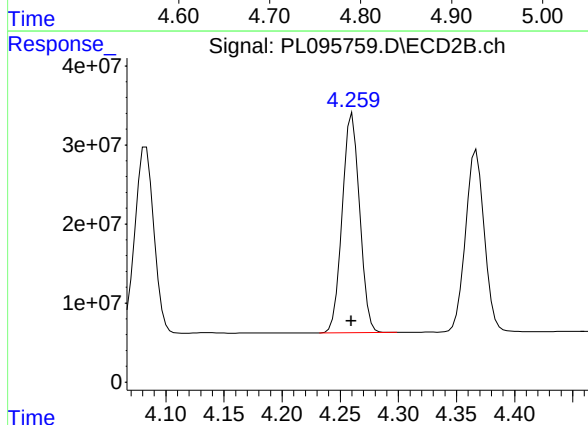
#7 delta-BHC

R.T.: 4.792 min
Delta R.T.: -0.005 min
Response: 221647330
Conc: 49.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MS

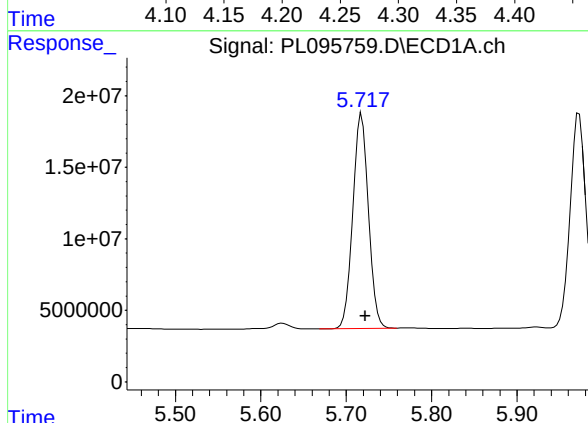
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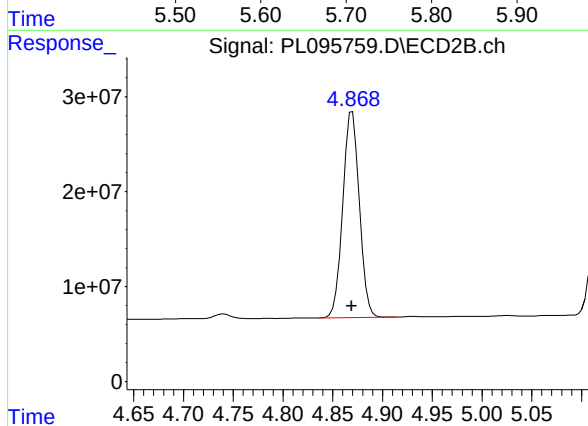
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: 0.001 min
Response: 288733849
Conc: 51.13 ng/ml



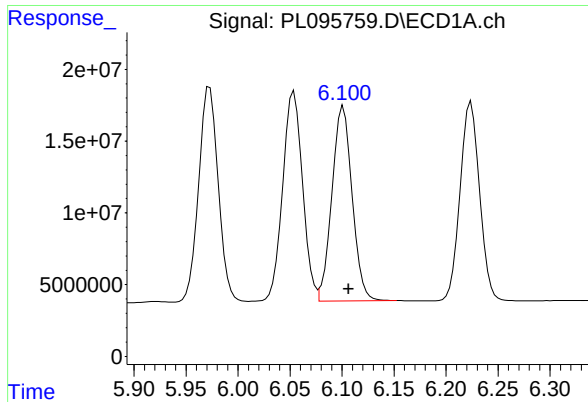
#8 Heptachlor epoxide

R.T.: 5.718 min
Delta R.T.: -0.004 min
Response: 191771972
Conc: 50.24 ng/ml



#8 Heptachlor epoxide

R.T.: 4.870 min
Delta R.T.: 0.000 min
Response: 251759699
Conc: 50.99 ng/ml



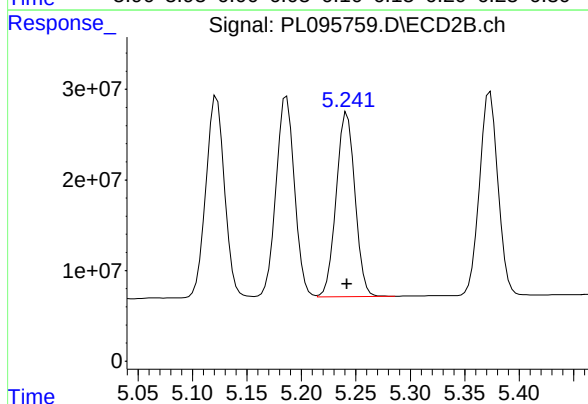
#9 Endosulfan I

R.T.: 6.101 min
Delta R.T.: -0.005 min
Response: 183577679
Conc: 50.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MS

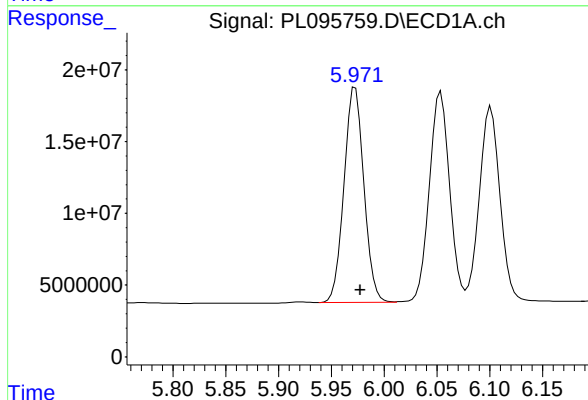
Manual Integrations
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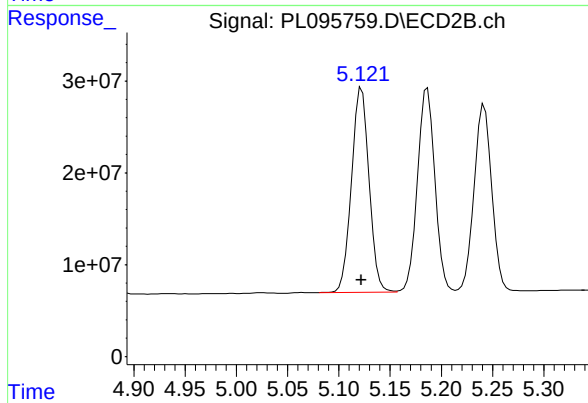
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 242839778
Conc: 50.96 ng/ml



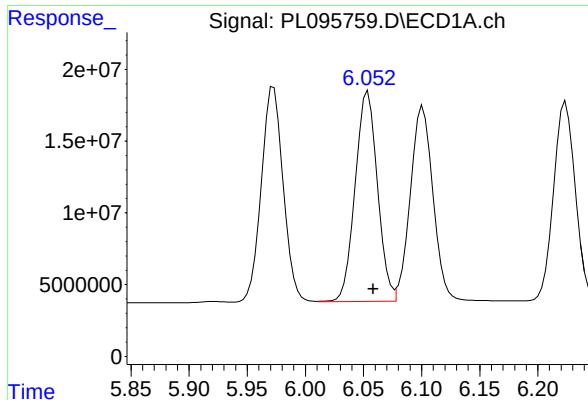
#10 gamma-Chlordane

R.T.: 5.973 min
Delta R.T.: -0.005 min
Response: 196354994
Conc: 50.45 ng/ml



#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 264797746
Conc: 50.41 ng/ml



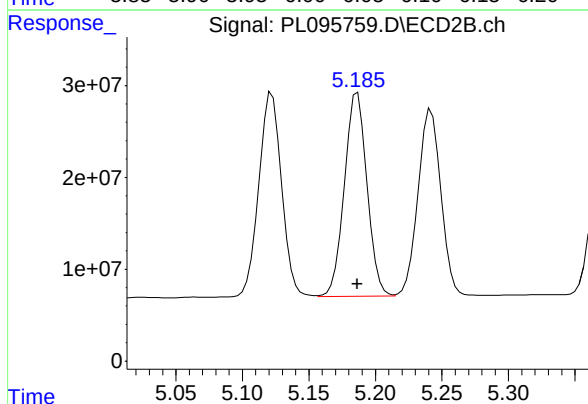
#11 alpha-Chlordane

R.T.: 6.054 min
Delta R.T.: -0.005 min
Response: 194934060
Conc: 49.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MS

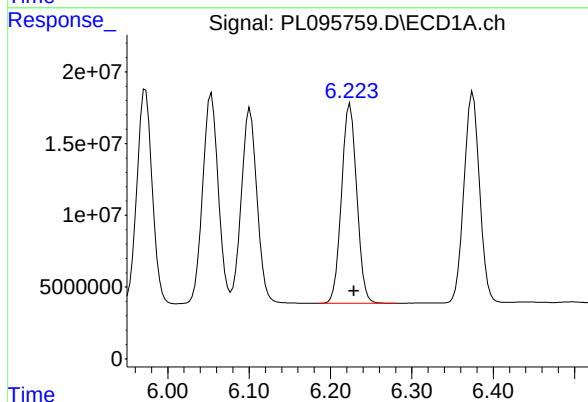
Manual Integrations
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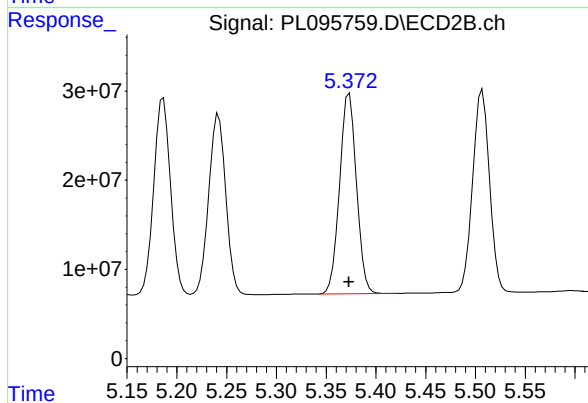
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 261907147
Conc: 50.34 ng/ml



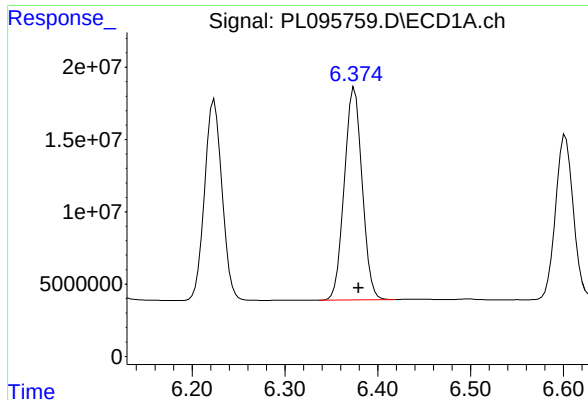
#12 4,4'-DDE

R.T.: 6.224 min
Delta R.T.: -0.005 min
Response: 181234853
Conc: 49.41 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 265445599
Conc: 49.50 ng/ml



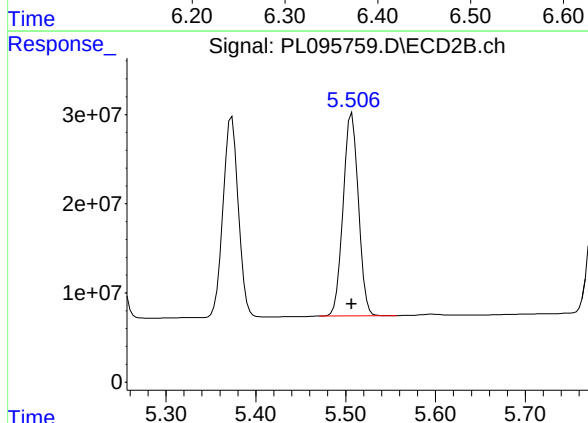
#13 Dieldrin

R.T.: 6.375 min
Delta R.T.: -0.004 min
Response: 196159009
Conc: 50.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MS

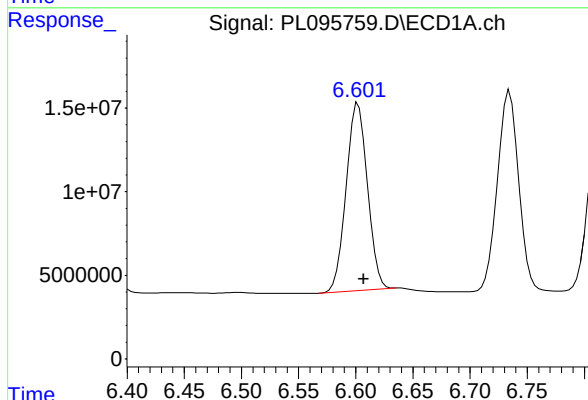
Manual Integrations
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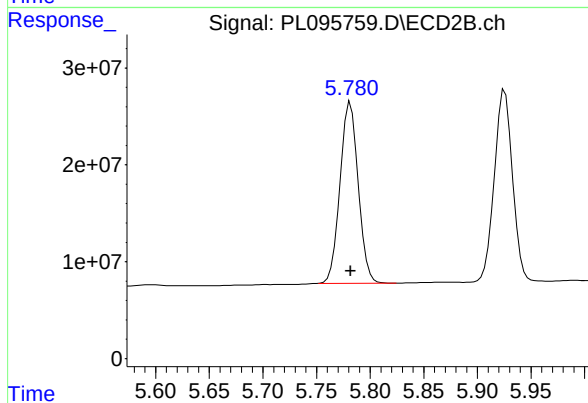
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 267531390
Conc: 50.48 ng/ml



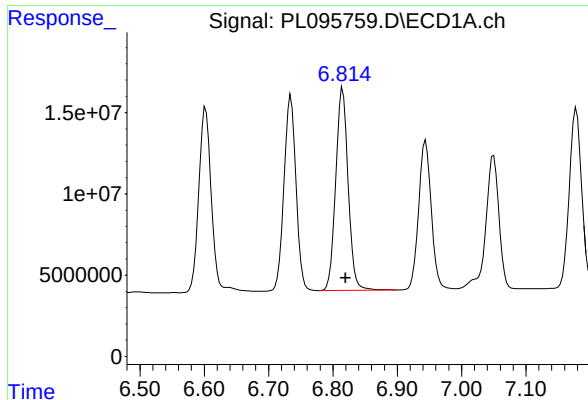
#14 Endrin

R.T.: 6.602 min
Delta R.T.: -0.005 min
Response: 146634343
Conc: 45.44 ng/ml



#14 Endrin

R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 220805984
Conc: 45.28 ng/ml



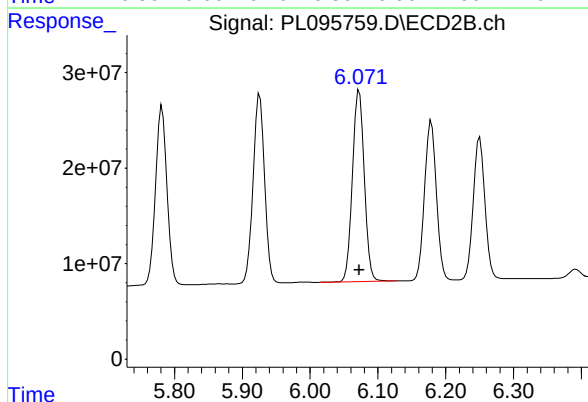
#15 Endosulfan II

R.T.: 6.815 min
Delta R.T.: -0.005 min
Response: 166949705
Conc: 48.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MS

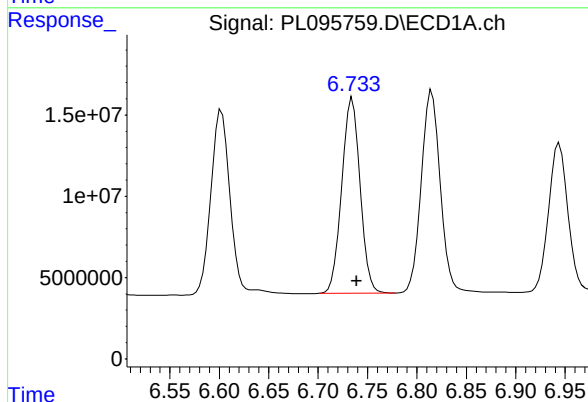
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



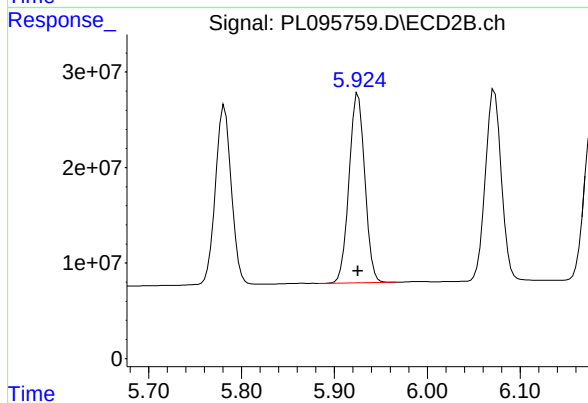
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 241040325
Conc: 50.73 ng/ml



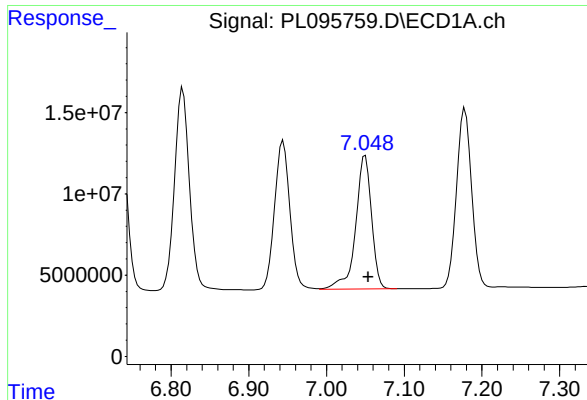
#16 4,4'-DDD

R.T.: 6.735 min
Delta R.T.: -0.004 min
Response: 155100638
Conc: 52.92 ng/ml



#16 4,4'-DDD

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 233676729
Conc: 53.29 ng/ml



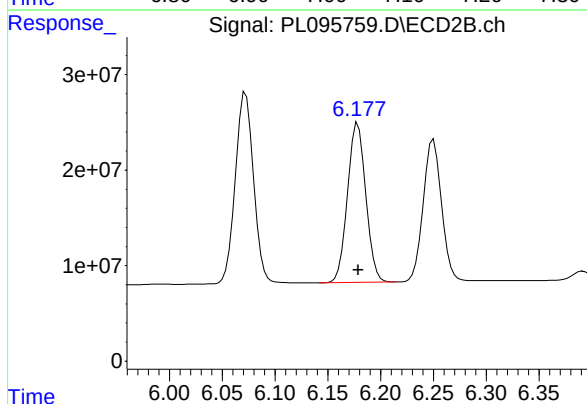
#17 4,4'-DDT

R.T.: 7.050 min
Delta R.T.: -0.004 min
Response: 116878157
Conc: 43.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MS

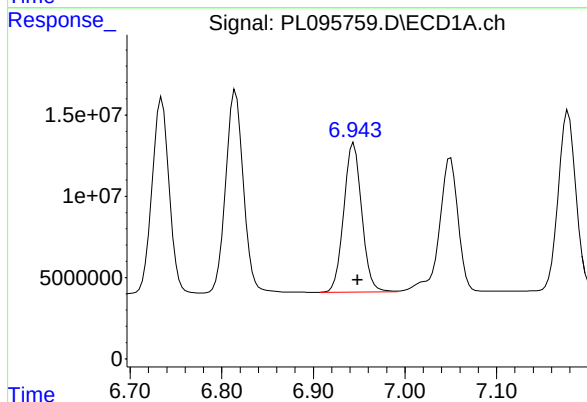
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



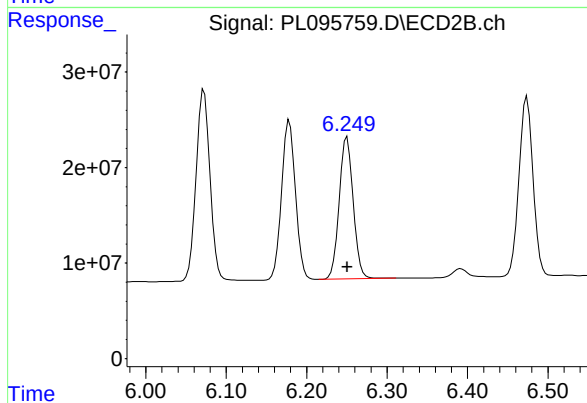
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 201141212
Conc: 42.06 ng/ml



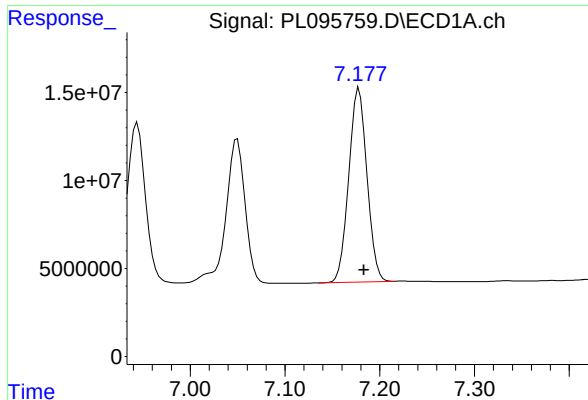
#18 Endrin aldehyde

R.T.: 6.944 min
Delta R.T.: -0.005 min
Response: 125490262
Conc: 51.91 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 180186304
Conc: 52.16 ng/ml



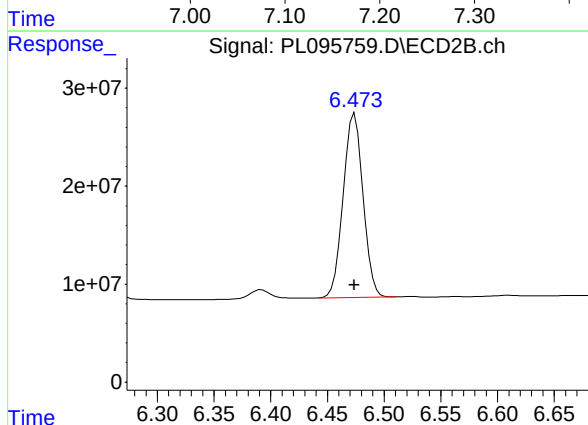
#19 Endosulfan Sulfate

R.T.: 7.178 min
Delta R.T.: -0.005 min
Response: 147457078
Conc: 49.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MS

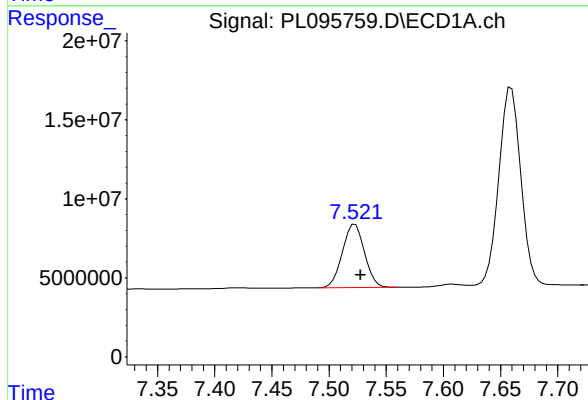
Manual Integrations
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Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



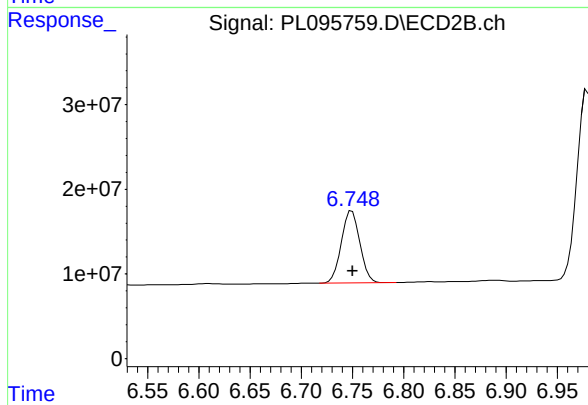
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 228501380
Conc: 50.84 ng/ml



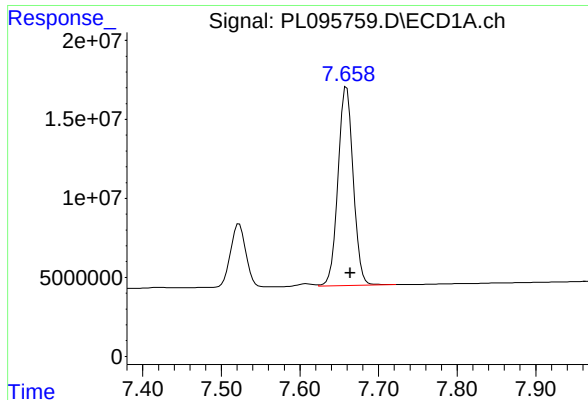
#20 Methoxychlor

R.T.: 7.523 min
Delta R.T.: -0.005 min
Response: 54026416
Conc: 42.36 ng/ml



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: 0.000 min
Response: 107170785
Conc: 40.97 ng/ml



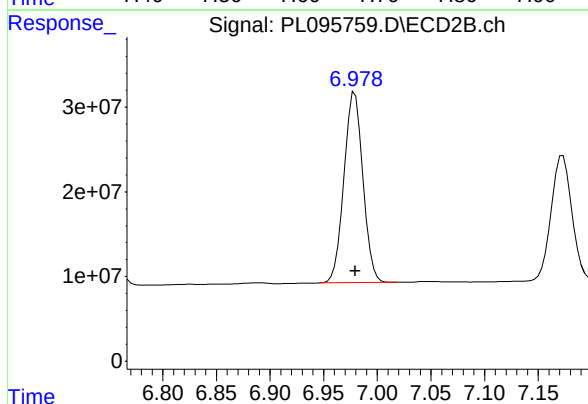
#21 Endrin ketone

R.T.: 7.659 min
Delta R.T.: -0.005 min
Response: 169295822
Conc: 53.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MS

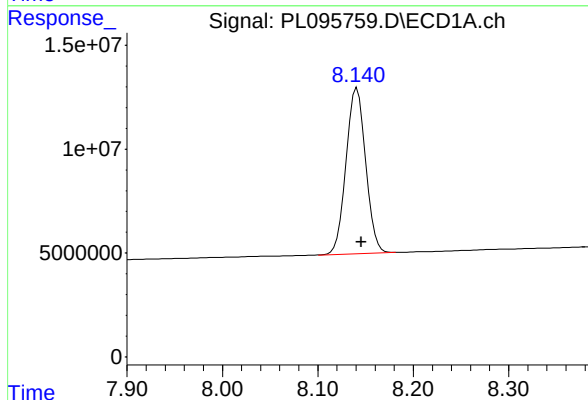
Manual Integrations
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Supervised By :mohammad ahmed 05/24/2025



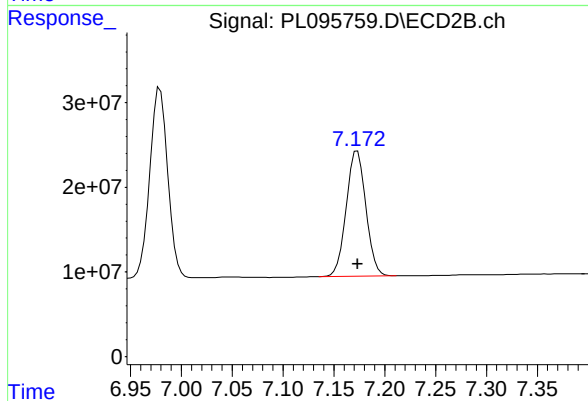
#21 Endrin ketone

R.T.: 6.979 min
Delta R.T.: 0.000 min
Response: 276630436
Conc: 53.47 ng/ml



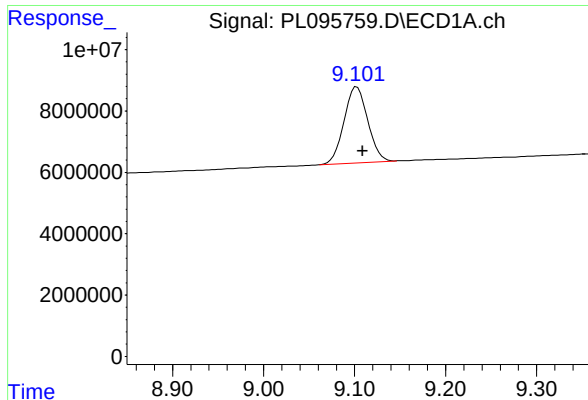
#22 Mirex

R.T.: 8.141 min
Delta R.T.: -0.004 min
Response: 114681259
Conc: 49.56 ng/ml



#22 Mirex

R.T.: 7.173 min
Delta R.T.: 0.000 min
Response: 198372013
Conc: 48.85 ng/ml



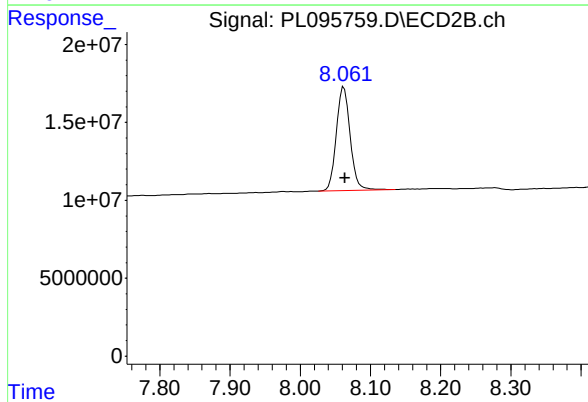
#28 Decachlorobiphenyl

R.T.: 9.102 min
Delta R.T.: -0.007 min
Response: 45067620
Conc: 19.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 91260039
Conc: 20.86 ng/ml

Report of Analysis

Client:	ENTACT	Date Collected:	05/19/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/19/25
Client Sample ID:	PL-HRH-COMP-01MSD	SDG No.:	Q2079
Lab Sample ID:	Q2080-06MSD	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 :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095760.D	1	05/21/25 12:45	05/22/25 10:13	PB168121

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.00		0.037	0.50	ug/L
76-44-8	Heptachlor	4.80		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	4.30		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	20.2		30 (43) - 150 (140)	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.3		30 (77) - 150 (126)	92%	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\PL052225\
 Data File : PL095760.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 10:13
 Operator : AR\AJ
 Sample : Q2080-06MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PL-HRH-COMP-01MSD

Manual Integrations
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Reviewed By :Abdul Mirza 05/23/2025
 Supervised By :mohammad ahmed 05/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 11:47:28 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	2.886	57835978	66932536	18.330m	17.101
28) SA Decachlor...	9.104	8.062	45500989	88444087	19.310	20.218
Target Compounds						
2) A alpha-BHC	4.024	3.396	245.9E6	294.8E6	50.720	50.329
3) MA gamma-BHC...	4.355	3.729	219.9E6	281.5E6	49.178	50.258
4) MA Heptachlor	4.954	4.082	181.4E6	262.6E6	47.937	46.809
5) MB Aldrin	5.296	4.367	207.0E6	255.7E6	48.388	48.186
6) B beta-BHC	4.543	4.024	97706157	123.6E6	49.563	49.874m
7) B delta-BHC	4.791	4.260	224.1E6	285.5E6	50.555	50.557
8) B Heptachlo...	5.718	4.869	193.9E6	247.9E6	50.788	50.218
9) A Endosulfan I	6.101	5.242	186.0E6	239.8E6	50.762	50.330
10) B gamma-Chl...	5.972	5.122	198.9E6	262.2E6	51.111	49.926
11) B alpha-Chl...	6.054	5.186	197.5E6	259.1E6	50.032	49.798
12) B 4,4'-DDE	6.224	5.373	184.2E6	262.3E6	50.210	48.920
13) MA Dieldrin	6.375	5.507	198.5E6	264.4E6	51.443	49.881
14) MA Endrin	6.602	5.781	148.9E6	218.7E6	46.140	44.852
15) B Endosulfa...	6.815	6.072	169.1E6	239.0E6	49.072	50.293
16) A 4,4'-DDD	6.734	5.925	156.9E6	230.2E6	53.541	52.501
17) MA 4,4'-DDT	7.050	6.179	118.8E6	199.4E6	43.917	41.699
18) B Endrin al...	6.944	6.250	127.4E6	177.9E6	52.698	51.514
19) B Endosulfa...	7.178	6.473	149.8E6	225.1E6	50.159	50.070
20) A Methoxychlor	7.523	6.749	54861701	105.6E6	43.018	40.361
21) B Endrin ke...	7.660	6.978	171.4E6	273.7E6	54.133	52.903
22) Mirex	8.141	7.172	115.8E6	197.8E6	50.041	48.716

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052225\
Data File : PL095760.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 10:13
Operator : AR\AJ
Sample : Q2080-06MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

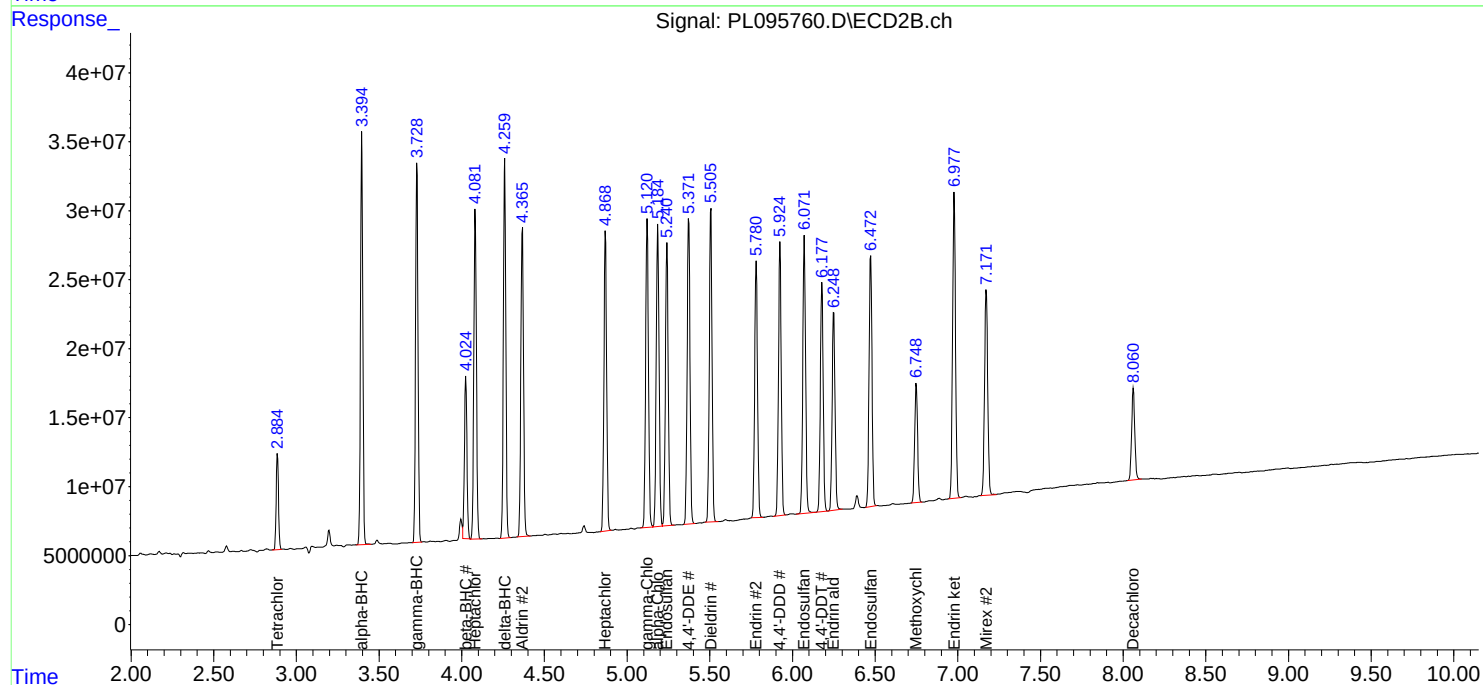
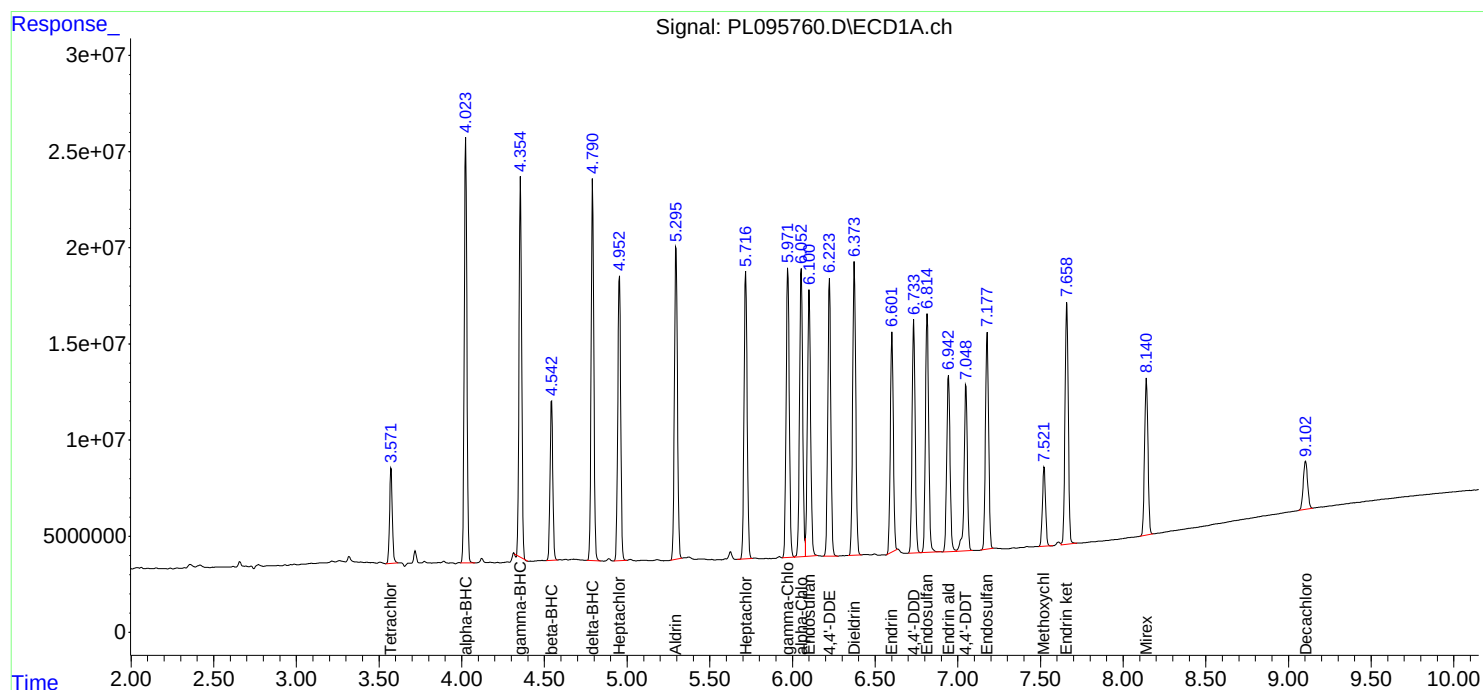
Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MSD

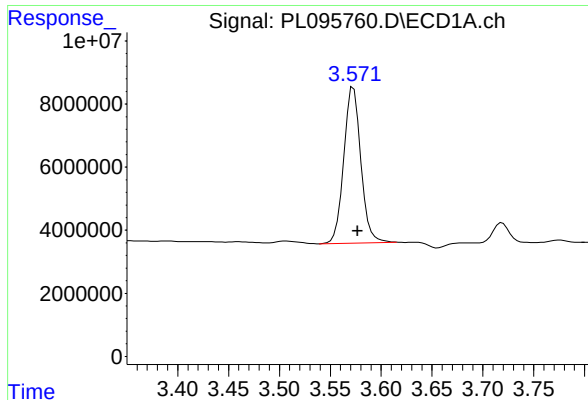
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/23/2025
Supervised By : mohammad ahmed 05/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 11:47:28 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





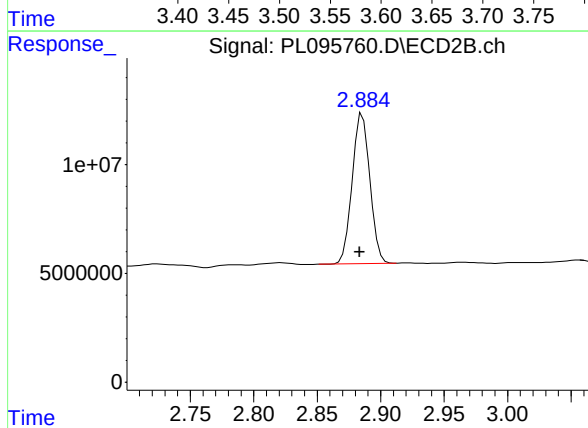
#1 Tetrachloro-m-xylene

R.T.: 3.571 min
Delta R.T.: -0.006 min
Response: 57835978
Conc: 18.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MSD

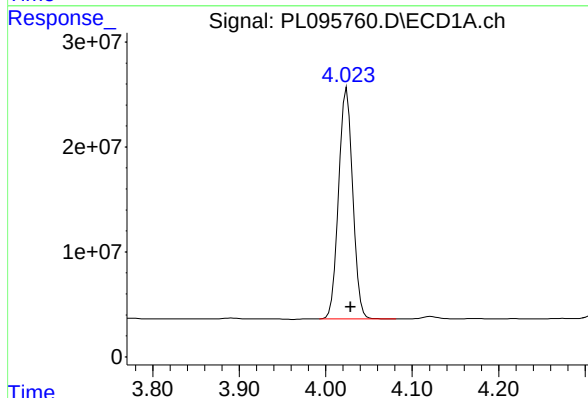
Manual Integrations
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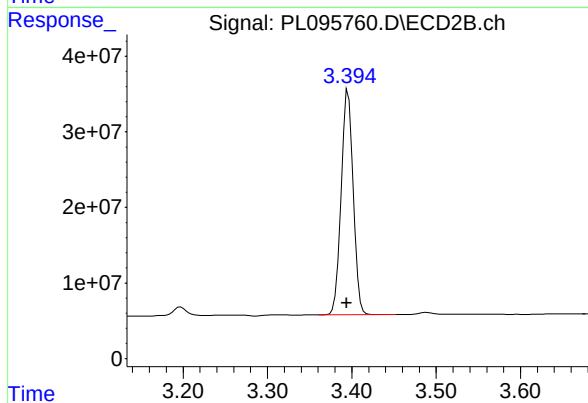
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 66932536
Conc: 17.10 ng/ml



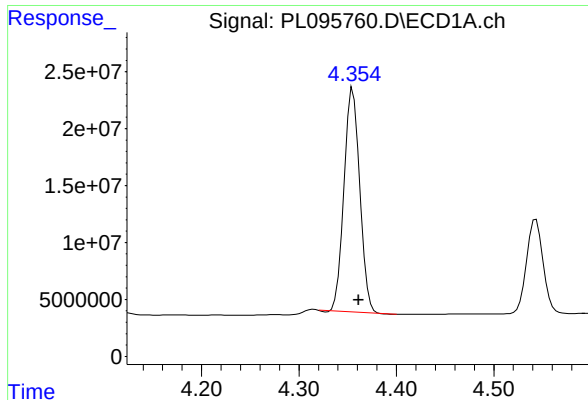
#2 alpha-BHC

R.T.: 4.024 min
Delta R.T.: -0.005 min
Response: 245887424
Conc: 50.72 ng/ml



#2 alpha-BHC

R.T.: 3.396 min
Delta R.T.: 0.002 min
Response: 294793456
Conc: 50.33 ng/ml



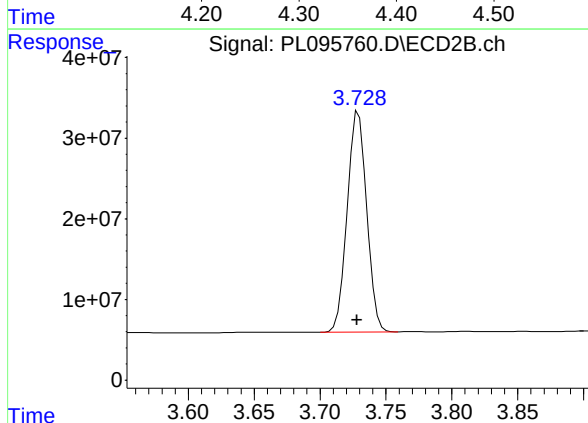
#3 gamma-BHC (Lindane)

R.T.: 4.355 min
Delta R.T.: -0.006 min
Response: 219918844
Conc: 49.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MSD

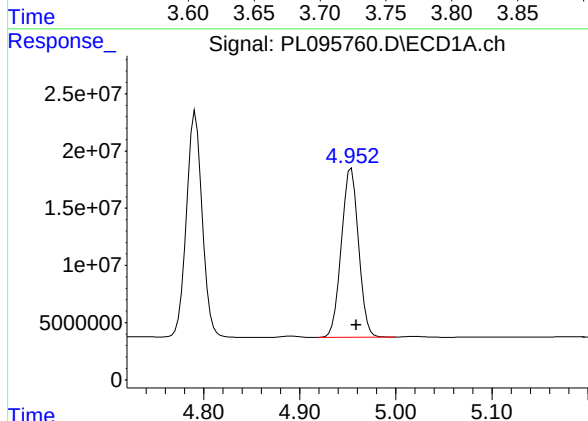
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



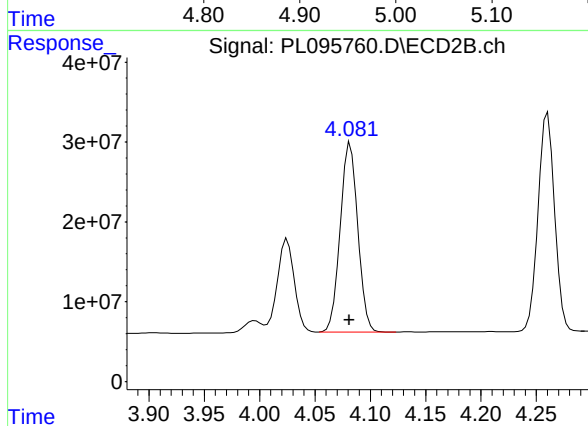
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.001 min
Response: 281507358
Conc: 50.26 ng/ml



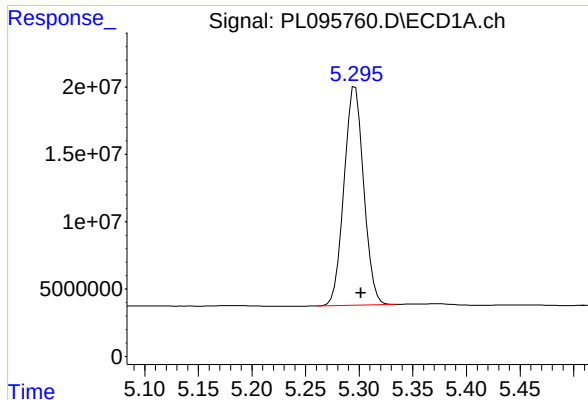
#4 Heptachlor

R.T.: 4.954 min
Delta R.T.: -0.005 min
Response: 181444415
Conc: 47.94 ng/ml



#4 Heptachlor

R.T.: 4.082 min
Delta R.T.: 0.000 min
Response: 262553465
Conc: 46.81 ng/ml



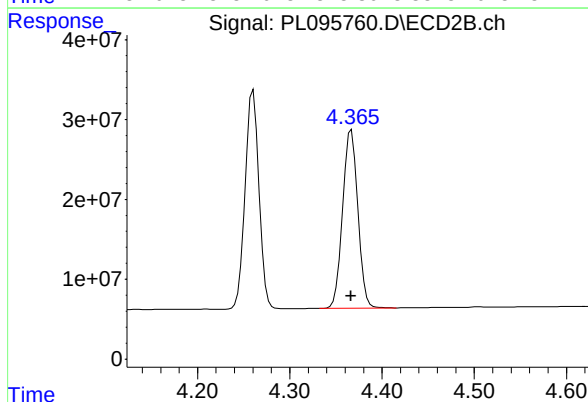
#5 Aldrin

R.T.: 5.296 min
Delta R.T.: -0.005 min
Response: 206990047
Conc: 48.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MSD

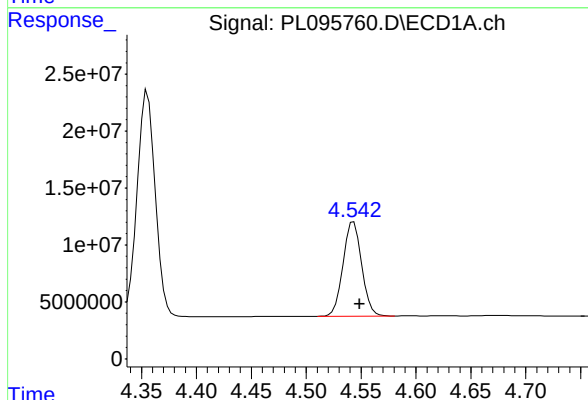
Manual Integrations
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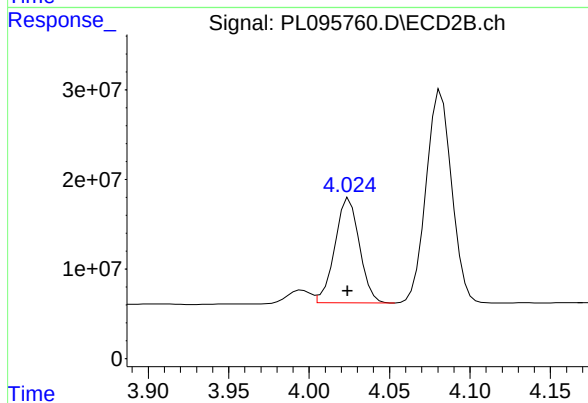
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: 0.000 min
Response: 255726734
Conc: 48.19 ng/ml



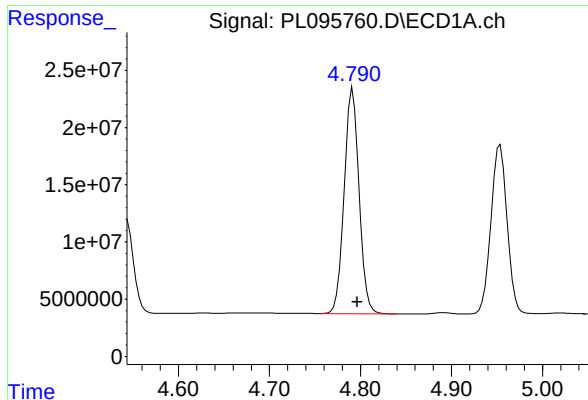
#6 beta-BHC

R.T.: 4.543 min
Delta R.T.: -0.006 min
Response: 97706157
Conc: 49.56 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 123565064
Conc: 49.87 ng/ml m



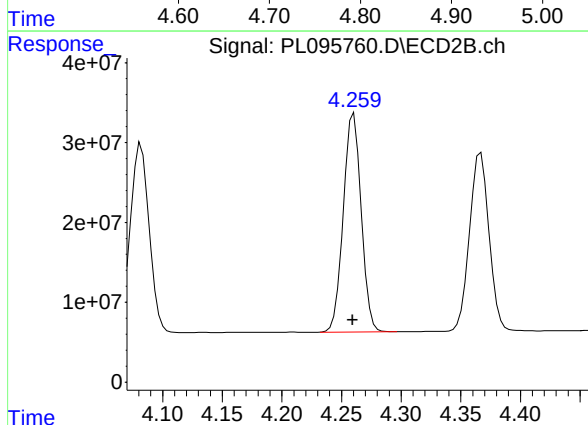
#7 delta-BHC

R.T.: 4.791 min
Delta R.T.: -0.005 min
Response: 224139512
Conc: 50.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MSD

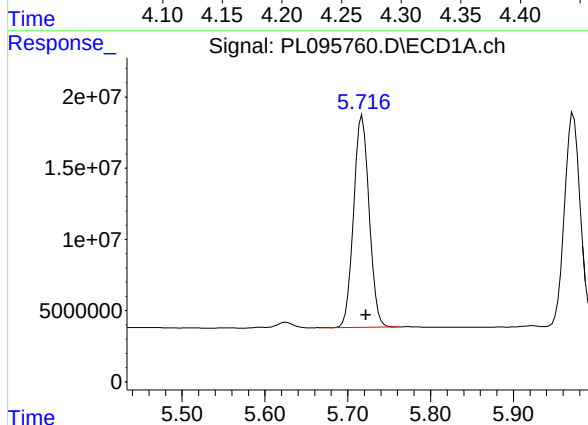
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Reviewed By :Abdul Mirza 05/23/2025
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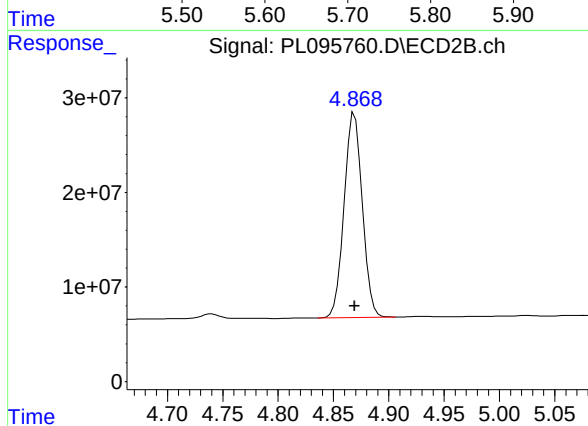
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: 0.000 min
Response: 285512083
Conc: 50.56 ng/ml



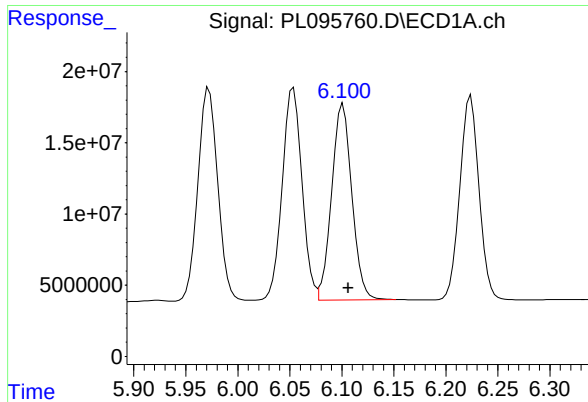
#8 Heptachlor epoxide

R.T.: 5.718 min
Delta R.T.: -0.005 min
Response: 193850630
Conc: 50.79 ng/ml



#8 Heptachlor epoxide

R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 247945336
Conc: 50.22 ng/ml



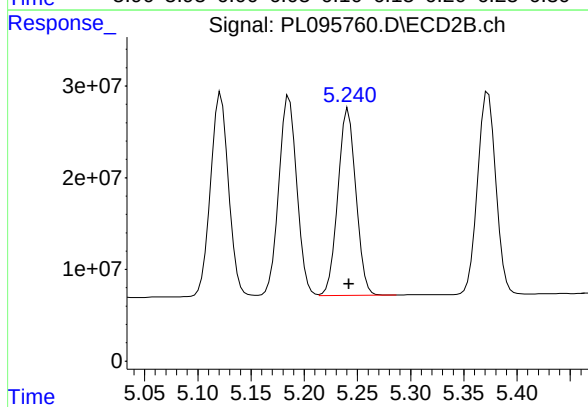
#9 Endosulfan I

R.T.: 6.101 min
Delta R.T.: -0.005 min
Response: 186035368
Conc: 50.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MSD

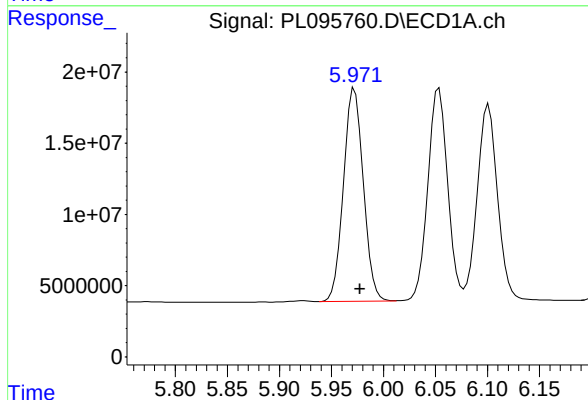
Manual Integrations
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Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



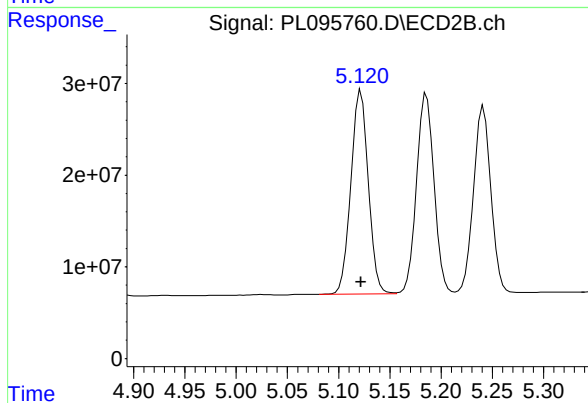
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 239819815
Conc: 50.33 ng/ml



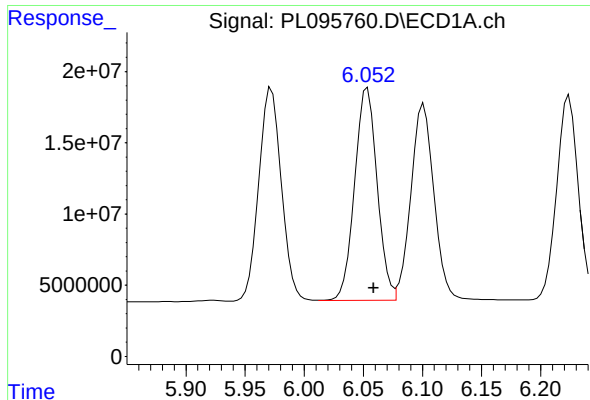
#10 gamma-Chlordane

R.T.: 5.972 min
Delta R.T.: -0.005 min
Response: 198926990
Conc: 51.11 ng/ml



#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 262248508
Conc: 49.93 ng/ml



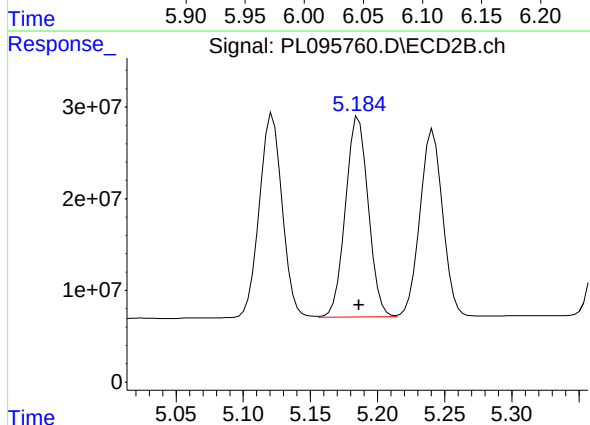
#11 alpha-Chlordane

R.T.: 6.054 min
Delta R.T.: -0.005 min
Response: 197534446
Conc: 50.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MSD

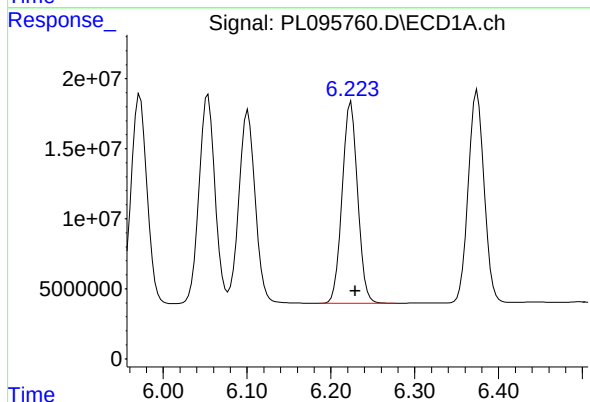
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



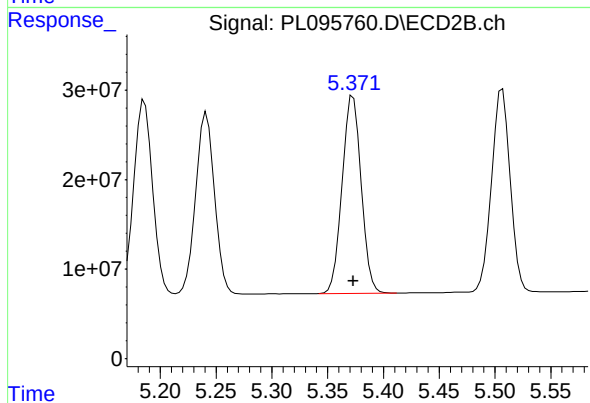
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 259089059
Conc: 49.80 ng/ml



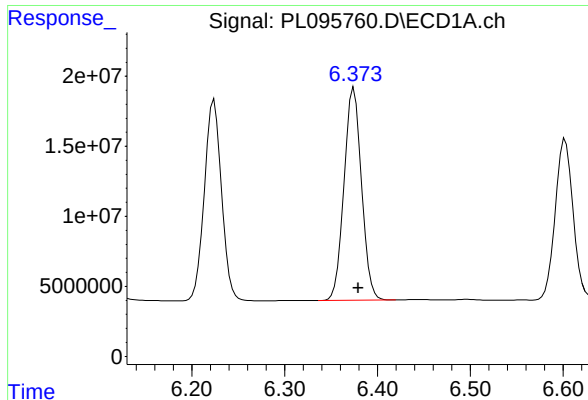
#12 4,4'-DDE

R.T.: 6.224 min
Delta R.T.: -0.005 min
Response: 184166745
Conc: 50.21 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 262316608
Conc: 48.92 ng/ml



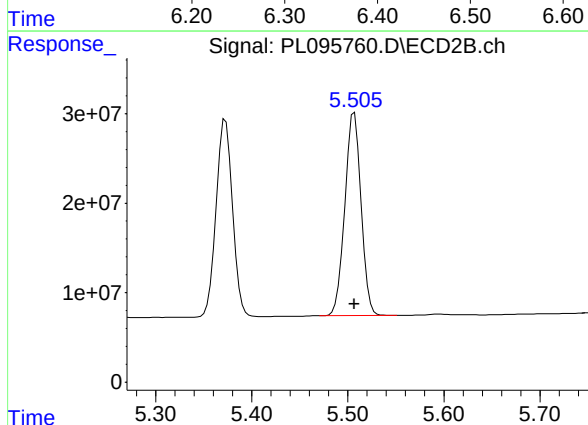
#13 Dieldrin

R.T.: 6.375 min
Delta R.T.: -0.005 min
Response: 198528326
Conc: 51.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MSD

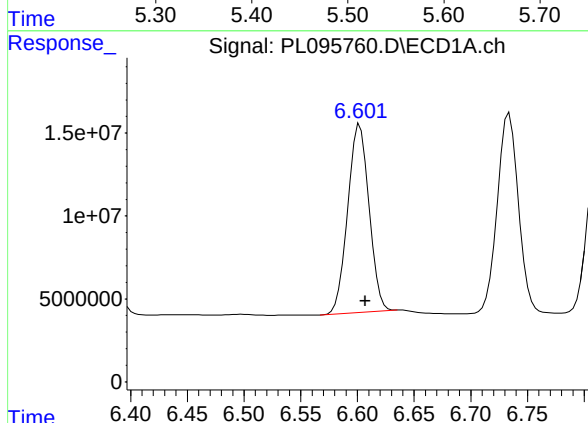
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



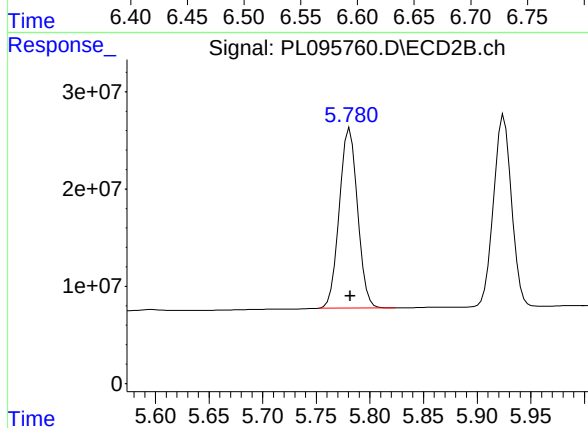
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 264375283
Conc: 49.88 ng/ml



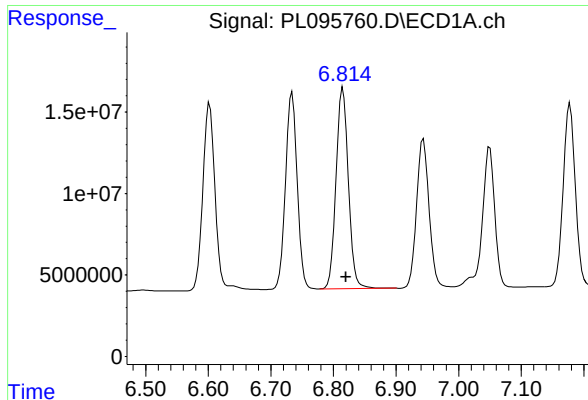
#14 Endrin

R.T.: 6.602 min
Delta R.T.: -0.005 min
Response: 148881286
Conc: 46.14 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 218705226
Conc: 44.85 ng/ml



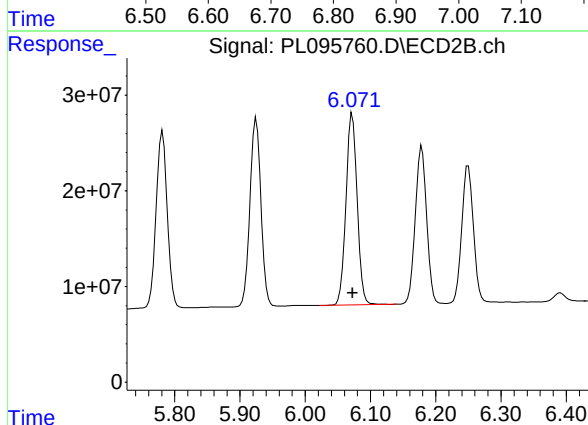
#15 Endosulfan II

R.T.: 6.815 min
Delta R.T.: -0.005 min
Response: 169103174
Conc: 49.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MSD

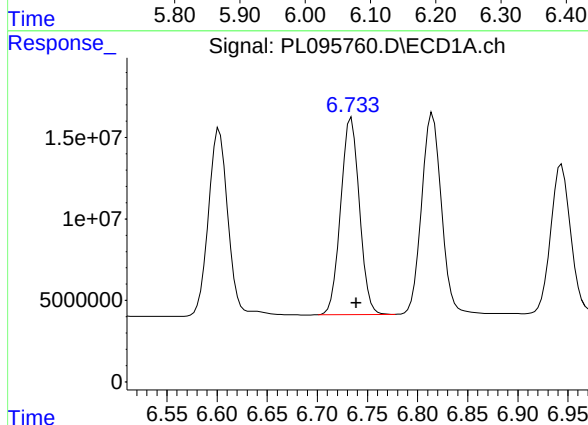
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



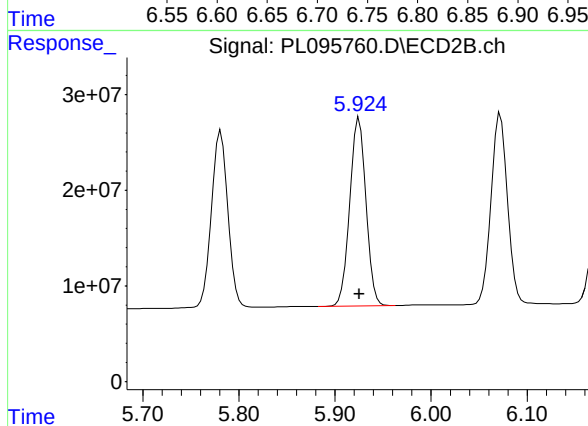
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 238983176
Conc: 50.29 ng/ml



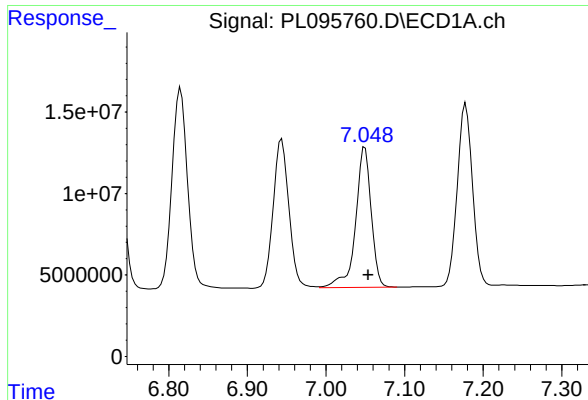
#16 4,4'-DDD

R.T.: 6.734 min
Delta R.T.: -0.005 min
Response: 156908758
Conc: 53.54 ng/ml



#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 230214135
Conc: 52.50 ng/ml



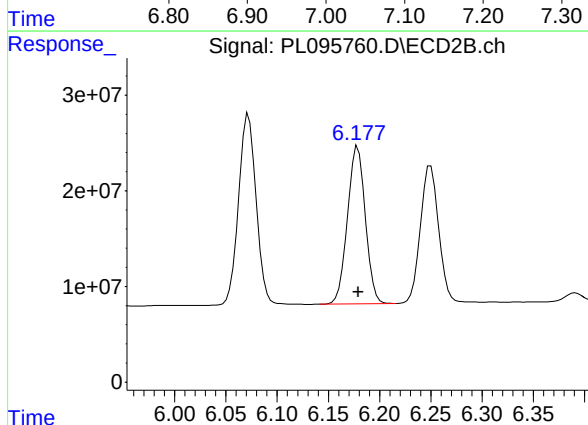
#17 4,4'-DDT

R.T.: 7.050 min
Delta R.T.: -0.004 min
Response: 118802220
Conc: 43.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MSD

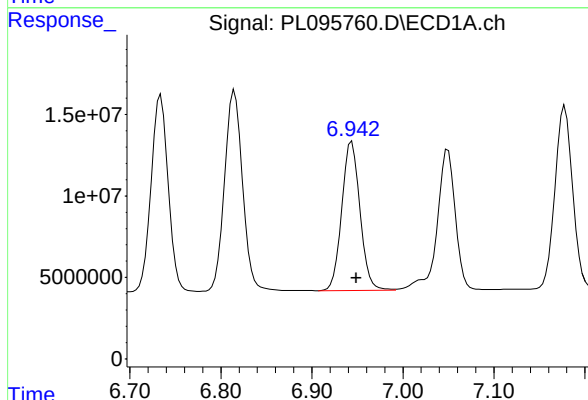
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



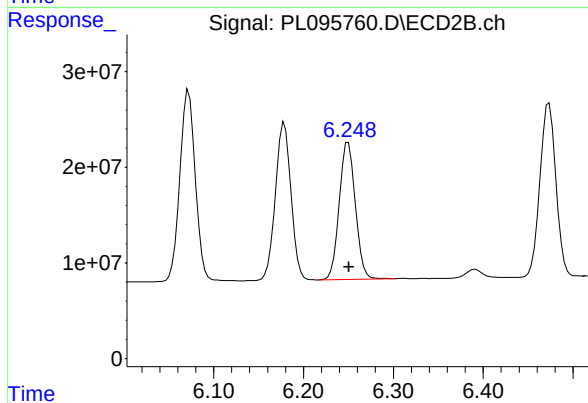
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 199431112
Conc: 41.70 ng/ml



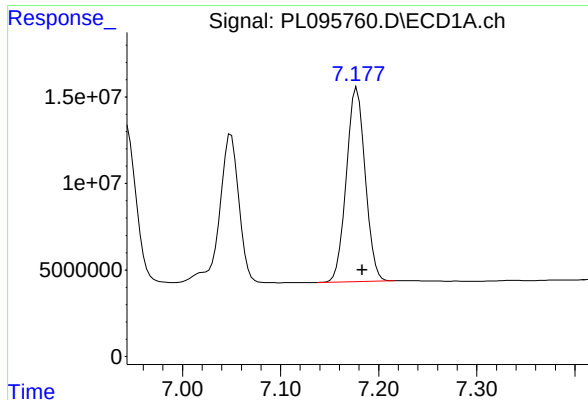
#18 Endrin aldehyde

R.T.: 6.944 min
Delta R.T.: -0.005 min
Response: 127402636
Conc: 52.70 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 177944779
Conc: 51.51 ng/ml



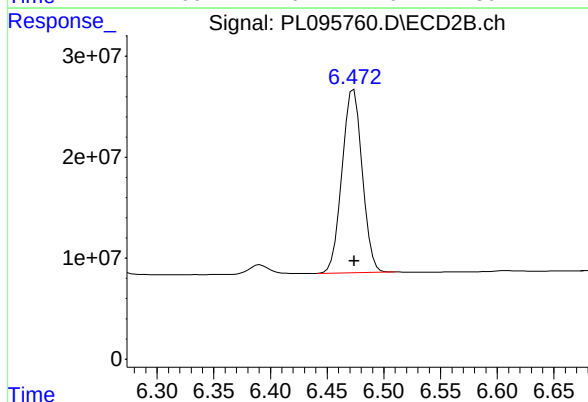
#19 Endosulfan Sulfate

R.T.: 7.178 min
Delta R.T.: -0.005 min
Response: 149820579
Conc: 50.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MSD

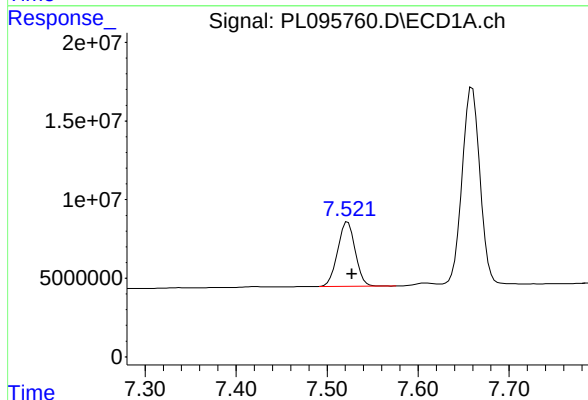
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



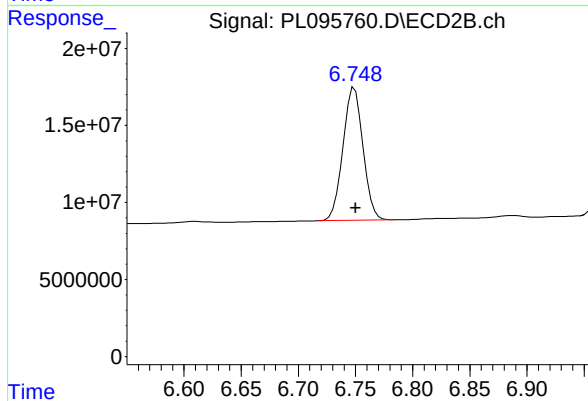
#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 225054081
Conc: 50.07 ng/ml



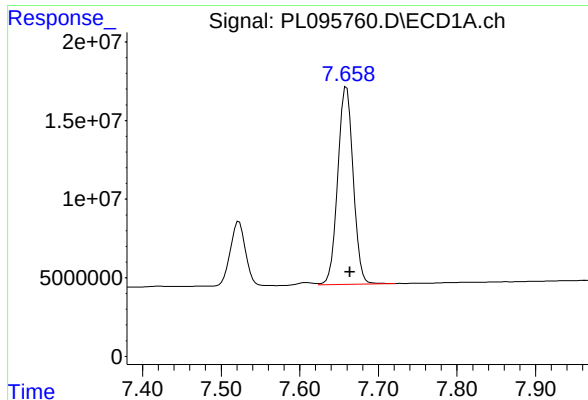
#20 Methoxychlor

R.T.: 7.523 min
Delta R.T.: -0.005 min
Response: 54861701
Conc: 43.02 ng/ml



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: -0.001 min
Response: 105589339
Conc: 40.36 ng/ml



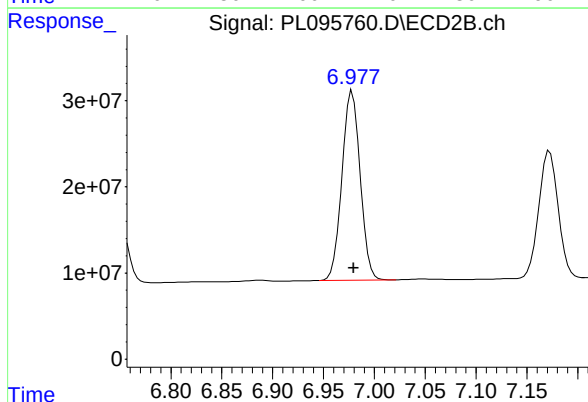
#21 Endrin ketone

R.T.: 7.660 min
Delta R.T.: -0.005 min
Response: 171434437
Conc: 54.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MSD

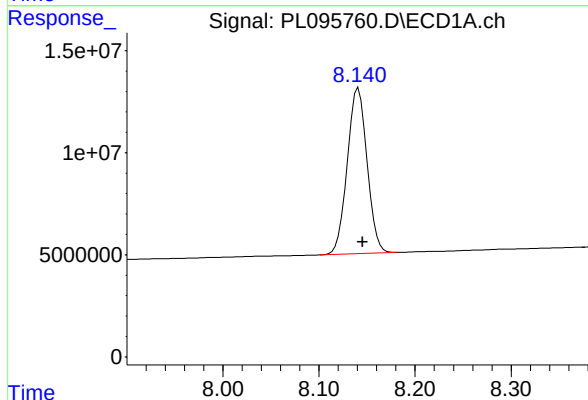
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



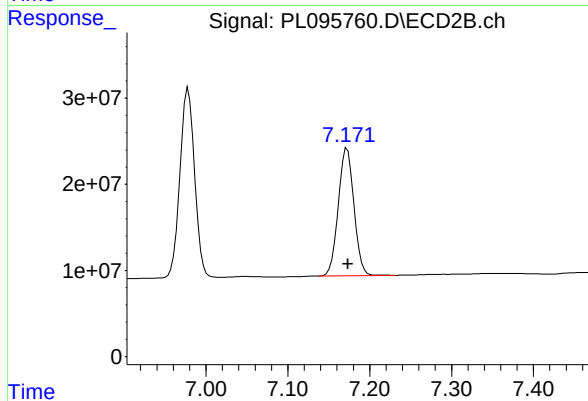
#21 Endrin ketone

R.T.: 6.978 min
Delta R.T.: -0.001 min
Response: 273711791
Conc: 52.90 ng/ml



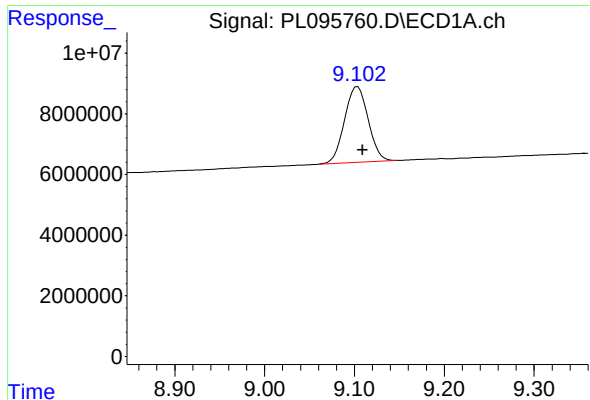
#22 Mirex

R.T.: 8.141 min
Delta R.T.: -0.004 min
Response: 115783387
Conc: 50.04 ng/ml



#22 Mirex

R.T.: 7.172 min
Delta R.T.: -0.001 min
Response: 197812715
Conc: 48.72 ng/ml



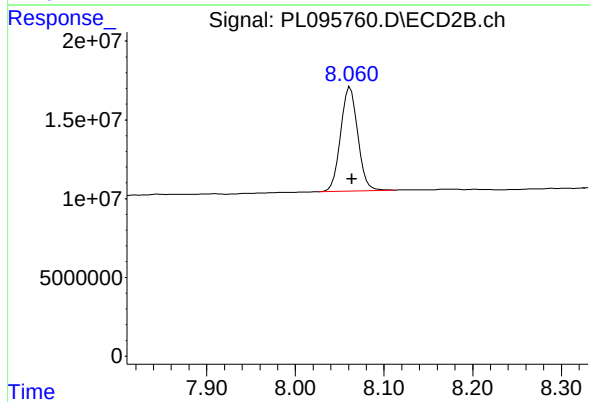
#28 Decachlorobiphenyl

R.T.: 9.104 min
Delta R.T.: -0.005 min
Response: 45500989
Conc: 19.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PL-HRH-COMP-01MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 88444087
Conc: 20.22 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



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

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:

PL052225

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095755.D	beta-BHC #2	Abdul	5/23/2025 8:20:08 AM	 	 	Peak Integrated by Software
PEM	PL095755.D	Endrin aldehyde	Abdul	5/23/2025 8:20:08 AM	 	 	Peak Integrated by Software
Q2080-06MS	PL095759.D	beta-BHC #2	Abdul	5/23/2025 8:20:11 AM	 	 	Peak Integrated by Software
Q2080-06MS	PL095759.D	gamma-BHC (Lindane)	Abdul	5/23/2025 8:20:11 AM	 	 	Peak Integrated by Software
Q2080-06MS	PL095759.D	Tetrachloro-m-xylene	Abdul	5/23/2025 8:20:11 AM	 	 	Peak Integrated by Software
Q2080-06MSD	PL095760.D	beta-BHC #2	Abdul	5/23/2025 8:20:15 AM	 	 	Peak Integrated by Software
Q2080-06MSD	PL095760.D	Tetrachloro-m-xylene	Abdul	5/23/2025 8:20:15 AM	 	 	Peak Integrated by Software
PB168121BS	PL095762.D	beta-BHC #2	Abdul	5/23/2025 8:20:19 AM	 	 	Peak Integrated by Software
Q2079-07	PL095773.D	Tetrachloro-m-xylene	Abdul	5/23/2025 8:20:31 AM	 	 	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

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL052225

Review By	Abdul	Review On	5/23/2025 8:20:51 AM
Supervise By		Supervise On	
SubDirectory	PL052225	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	PL095753.D	22 May 2025 08:37	AR\AJ	Ok
2	I.BLK	PL095754.D	22 May 2025 08:51	AR\AJ	Ok
3	PEM	PL095755.D	22 May 2025 09:04	AR\AJ	Ok,NS
4	PSTDCCC050	PL095756.D	22 May 2025 09:18	AR\AJ	Ok
5	Q2080-12	PL095757.D	22 May 2025 09:32	AR\AJ	Ok
6	Q2080-06	PL095758.D	22 May 2025 09:45	AR\AJ	Ok
7	Q2080-06MS	PL095759.D	22 May 2025 09:59	AR\AJ	Ok,NS
8	Q2080-06MSD	PL095760.D	22 May 2025 10:13	AR\AJ	Ok,NS
9	PB168121BL	PL095761.D	22 May 2025 10:26	AR\AJ	Ok
10	PB168121BS	PL095762.D	22 May 2025 11:57	AR\AJ	Ok,NS
11	PB168067TB	PL095763.D	22 May 2025 12:14	AR\AJ	Ok
12	PB168092TB	PL095764.D	22 May 2025 12:27	AR\AJ	Ok
13	Q2078-03	PL095765.D	22 May 2025 12:54	AR\AJ	Ok
14	Q2078-07	PL095766.D	22 May 2025 13:08	AR\AJ	Ok,NS
15	I.BLK	PL095767.D	22 May 2025 13:22	AR\AJ	Ok
16	PSTDCCC050	PL095768.D	22 May 2025 13:35	AR\AJ	Ok
17	Q2078-11	PL095769.D	22 May 2025 13:49	AR\AJ	Ok
18	Q2078-15	PL095770.D	22 May 2025 14:03	AR\AJ	Ok,NS
19	Q2078-19	PL095771.D	22 May 2025 14:16	AR\AJ	Ok
20	Q2079-03	PL095772.D	22 May 2025 14:29	AR\AJ	Ok
21	Q2079-07	PL095773.D	22 May 2025 14:43	AR\AJ	Ok,NS

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL052225

Review By	Abdul	Review On	5/23/2025 8:20:51 AM
Supervise By		Supervise On	
SubDirectory	PL052225	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	Q2079-11	PL095774.D	22 May 2025 14:57	AR\AJ	Ok
23	Q2084-05	PL095775.D	22 May 2025 15:10	AR\AJ	Ok
24	I.BLK	PL095776.D	22 May 2025 15:24	AR\AJ	Ok
25	PSTDCCC050	PL095777.D	22 May 2025 17:42	AR\AJ	Ok

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#	Sampleld	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 # PL052225

Review By	Abdul	Review On	5/23/2025 8:20:51 AM
Supervise By		Supervise On	
SubDirectory	PL052225	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	PL095753.D	22 May 2025 08:37		AR\AJ	Ok
2	I.BLK	I.BLK	PL095754.D	22 May 2025 08:51		AR\AJ	Ok
3	PEM	PEM	PL095755.D	22 May 2025 09:04		AR\AJ	Ok,NS
4	PSTDCCC050	PSTDCCC050	PL095756.D	22 May 2025 09:18		AR\AJ	Ok
5	Q2080-12	PL-HRH-COMP-02	PL095757.D	22 May 2025 09:32		AR\AJ	Ok
6	Q2080-06	PL-HRH-COMP-01	PL095758.D	22 May 2025 09:45		AR\AJ	Ok
7	Q2080-06MS	PL-HRH-COMP-01MS	PL095759.D	22 May 2025 09:59		AR\AJ	Ok,NS
8	Q2080-06MSD	PL-HRH-COMP-01MSD	PL095760.D	22 May 2025 10:13		AR\AJ	Ok,NS
9	PB168121BL	PB168121BL	PL095761.D	22 May 2025 10:26		AR\AJ	Ok
10	PB168121BS	PB168121BS	PL095762.D	22 May 2025 11:57		AR\AJ	Ok,NS
11	PB168067TB	PB168067TB	PL095763.D	22 May 2025 12:14		AR\AJ	Ok
12	PB168092TB	PB168092TB	PL095764.D	22 May 2025 12:27		AR\AJ	Ok
13	Q2078-03	WC-A4-04-C	PL095765.D	22 May 2025 12:54		AR\AJ	Ok
14	Q2078-07	WC-A4-05-C	PL095766.D	22 May 2025 13:08		AR\AJ	Ok,NS
15	I.BLK	I.BLK	PL095767.D	22 May 2025 13:22		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PL095768.D	22 May 2025 13:35		AR\AJ	Ok
17	Q2078-11	WC-A1-06A-C	PL095769.D	22 May 2025 13:49		AR\AJ	Ok
18	Q2078-15	WC-A1-07A-C	PL095770.D	22 May 2025 14:03		AR\AJ	Ok,NS

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL052225

Review By	Abdul	Review On	5/23/2025 8:20:51 AM
Supervise By		Supervise On	
SubDirectory	PL052225	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	Q2078-19	WC-A4-06-C	PL095771.D	22 May 2025 14:16		AR\AJ	Ok
20	Q2079-03	WC-A2-01-C	PL095772.D	22 May 2025 14:29		AR\AJ	Ok
21	Q2079-07	WC-A2-02-C	PL095773.D	22 May 2025 14:43		AR\AJ	Ok,NS
22	Q2079-11	WC-A2-03-C	PL095774.D	22 May 2025 14:57		AR\AJ	Ok
23	Q2084-05	OR-640-COMP-66	PL095775.D	22 May 2025 15:10		AR\AJ	Ok
24	I.BLK	I.BLK	PL095776.D	22 May 2025 15:24		AR\AJ	Ok
25	PSTDCCC050	PSTDCCC050	PL095777.D	22 May 2025 17:42		AR\AJ	Ok

M : Manual Integration

SOP ID : M1311-TCLP-15

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 : N/A

Tumbler ID : T-1 / T-2

TCLP Filter ID : 115525

Start Prep Date : 05/20/2025 **Time :** 17:00

End Prep Date : 05/21/2025 **Time :** 09:35

Combination Ratio : 20

ZHE Cleaning Batch : ⁷⁸ ~~N/A~~

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : *JP*

Supervisor By : *12*

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	W1940,W1941,W1942	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. q2095-08 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
05/21/25 12:40	<i>JP</i> <i>1st Room</i>	<i>SPS.</i> <i>RS. 1st</i>
	Preparation Group	Analysis Group <i>1st</i>

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
PB168092TB	LEB092	20	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q2014-08	MOO-25-0145	01	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q2078-03	WC-A4-04-C	02	100.03	2000	N/A	N/A	N/A	11.5	1.0	T-1
Q2078-07	WC-A4-05-C	03	100.02	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2078-11	WC-A1-06A-C	04	100.02	2000	N/A	N/A	N/A	11.0	1.0	T-1
Q2078-15	WC-A1-07A-C	05	100.02	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2078-19	WC-A4-06-C	06	100.03	2000	N/A	N/A	N/A	11.0	1.0	T-1
Q2079-03	WC-A2-01-C	07	100.04	2000	N/A	N/A	N/A	11.0	1.5	T-1
Q2079-07	WC-A2-02-C	08	100.02	2000	N/A	N/A	N/A	11.5	1.0	T-1
Q2079-11	WC-A2-03-C	09	100.03	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2084-05	OR-640-COMP-66	10	100.01	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q2092-02	VNJ-202	11	100.02	2000	N/A	N/A	N/A	5.0	1.5	T-2
Q2093-02	SOIL-DRUMS	12	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q2094-06	COMP-1	13	100.02	2000	N/A	N/A	N/A	10.5	1.5	T-2
Q2094-07	COMP-2	14	100.03	2000	N/A	N/A	N/A	11.0	1.0	T-2
Q2094-08	COMP-3	15	100.02	2000	N/A	N/A	N/A	10.5	1.5	T-2
Q2094-09	COMP-4	16	100.03	2000	N/A	N/A	N/A	10.5	1.0	T-2
Q2094-10	COMP-5	17	100.04	2000	N/A	N/A	N/A	10.0	1.5	T-2
Q2095-04	WCS-TP1	18	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-2
Q2095-08	WCS-TP2	19	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168092TB	LEB092	N/A	N/A	N/A	N/A	N/A	N/A
Q2014-08	MOO-25-0145	N/A	N/A	N/A	N/A	100	N/A
Q2078-03	WC-A4-04-C	N/A	N/A	N/A	N/A	100	N/A
Q2078-07	WC-A4-05-C	N/A	N/A	N/A	N/A	100	N/A
Q2078-11	WC-A1-06A-C	N/A	N/A	N/A	N/A	100	N/A
Q2078-15	WC-A1-07A-C	N/A	N/A	N/A	N/A	100	N/A
Q2078-19	WC-A4-06-C	N/A	N/A	N/A	N/A	100	N/A
Q2079-03	WC-A2-01-C	N/A	N/A	N/A	N/A	100	N/A
Q2079-07	WC-A2-02-C	N/A	N/A	N/A	N/A	100	N/A
Q2079-11	WC-A2-03-C	N/A	N/A	N/A	N/A	100	N/A
Q2084-05	OR-640-COMP-66	N/A	N/A	N/A	N/A	100	N/A
Q2092-02	VNJ-202	N/A	N/A	N/A	N/A	100	N/A
Q2093-02	SOIL-DRUMS	N/A	N/A	N/A	N/A	100	N/A
Q2094-06	COMP-1	N/A	N/A	N/A	N/A	100	N/A
Q2094-07	COMP-2	N/A	N/A	N/A	N/A	100	N/A
Q2094-08	COMP-3	N/A	N/A	N/A	N/A	100	N/A
Q2094-09	COMP-4	N/A	N/A	N/A	N/A	100	N/A
Q2094-10	COMP-5	N/A	N/A	N/A	N/A	100	N/A
Q2095-04	WCS-TP1	N/A	N/A	N/A	N/A	100	N/A
Q2095-08	WCS-TP2	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
PB168092TB	LEB092	N/A	N/A	N/A	N/A	#1	4.93
Q2014-08	MOO-25-0145	5.02	96.5	7.0	3.0	#1	4.93
Q2078-03	WC-A4-04-C	5.03	96.5	12.0	4.5	#1	4.93
Q2078-07	WC-A4-05-C	5.02	96.5	12.0	4.5	#1	4.93
Q2078-11	WC-A1-06A-C	5.03	96.5	12.5	4.5	#1	4.93
Q2078-15	WC-A1-07A-C	5.04	96.5	12.5	4.0	#1	4.93
Q2078-19	WC-A4-06-C	5.02	96.5	12.0	4.5	#1	4.93
Q2079-03	WC-A2-01-C	5.03	96.5	12.5	4.5	#1	4.93
Q2079-07	WC-A2-02-C	5.02	96.5	12.0	4.5	#1	4.93
Q2079-11	WC-A2-03-C	5.03	96.5	12.5	4.5	#1	4.93
Q2084-05	OR-640-COMP-66	5.04	96.5	12.0	4.5	#1	4.93
Q2092-02	VNJ-202	5.02	96.5	6.0	2.5	#1	4.93
Q2093-02	SOIL-DRUMS	5.03	96.5	8.4	3.5	#1	4.93
Q2094-06	COMP-1	5.02	96.5	11.0	4.0	#1	4.93
Q2094-07	COMP-2	5.01	96.5	11.5	4.5	#1	4.93
Q2094-08	COMP-3	5.02	96.5	11.0	4.0	#1	4.93
Q2094-09	COMP-4	5.03	96.5	11.0	4.0	#1	4.93
Q2094-10	COMP-5	5.04	96.5	11.5	4.5	#1	4.93
Q2095-04	WCS-TP1	5.02	96.5	7.2	3.0	#1	4.93
Q2095-08	WCS-TP2	5.03	96.5	7.0	3.0	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tolp q2078

WorkList ID : 189636

Department : TCLP Extraction

Date : 05-20-2025 12:30:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2014-08	MOO-25-0145	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/12/2025	1311
Q2078-03	WC-A4-04-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	L41	05/13/2025	1311
Q2078-07	WC-A4-05-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	L41	05/13/2025	1311
Q2078-11	WC-A1-06A-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	L41	05/13/2025	1311
Q2078-15	WC-A1-07A-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	L41	05/13/2025	1311
Q2078-19	WC-A4-06-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	L41	05/13/2025	1311
Q2079-03	WC-A2-01-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	L41	05/14/2025	1311
Q2079-07	WC-A2-02-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	L31	05/13/2025	1311
Q2079-11	WC-A2-03-C	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	L31	05/13/2025	1311
Q2084-05	OR-640-COMP-66	Solid	TCLP Extraction	Cool 4 deg C	ENTA05	L31	05/13/2025	1311
Q2092-02	VNJ-202	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/19/2025	1311
Q2093-02	SOIL-DRUMS	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/20/2025	1311
Q2094-06	COMP-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/20/2025	1311
Q2094-07	COMP-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/20/2025	1311
Q2094-08	COMP-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/20/2025	1311
Q2094-09	COMP-4	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/20/2025	1311
Q2094-10	COMP-5	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/20/2025	1311
Q2095-04	WCS-TP1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/20/2025	1311
Q2095-08	WCS-TP2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/20/2025	1311

Date/Time 05/20/25 16:25

Raw Sample Received by: JP

Raw Sample Relinquished by: JP

Date/Time

05/20/25

Raw Sample Received by: JP

Raw Sample Relinquished by: JP

SOP ID: M3510C,3580A-Extraction Pesticide-16

Clean Up SOP #: N/A

Extraction Start Date : 05/21/2025

Matrix : Water

Extraction Start Time : 12:45

Weigh By: N/A

Extraction By: RS

Extraction End Date : 05/21/2025

Balance check: N/A

Filter By: RS

Extraction End Time : 17:25

Balance ID: N/A

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: E3880

Hood ID: 4,5,6,7

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	E3930
Baked Na2SO4	N/A	EP2614
Hexane	N/A	E3934
Florisil	N/A	E3806
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

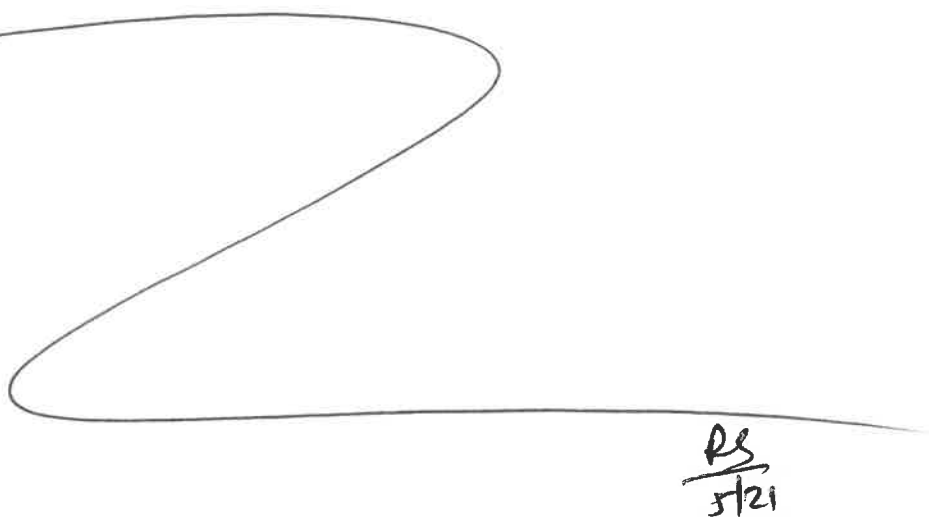
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/21/25	RS (E4 Lab)	R. Pest/PCB Lab
17:30	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction Pesticide-16

Concentration Date: 05/21/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168067TB	PB168067TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			SEP-1
PB168092TB	PB168092TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			2
PB168121BL	PBLK121	TCLP Pesticide	1000	6	RUPESH	ritesh	10			3
PB168121BS	PLCS121	TCLP Pesticide	1000	6	RUPESH	ritesh	10			4
Q2078-03	WC-A4-04-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		5
Q2078-07	WC-A4-05-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		6
Q2078-11	WC-A1-06A-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		7
Q2078-15	WC-A1-07A-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		8
Q2078-19	WC-A4-06-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		9
Q2079-03	WC-A2-01-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		10
Q2079-07	WC-A2-02-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		11
Q2079-11	WC-A2-03-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		12
Q2080-06	PL-HRH-COMP-01	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		13
Q2080-06MS	PL-HRH-COMP-01MS	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		14
Q2080-06MS D	PL-HRH-COMP-01MSD	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		15
Q2080-12	PL-HRH-COMP-02	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		16
Q2084-05	OR-640-COMP-66	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		17



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
PB168092TB	LEB092	20	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q2014-08	MOO-25-0145	01	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q2078-03	WC-A4-04-C	02	100.03	2000	N/A	N/A	N/A	11.5	1.0	T-1
Q2078-07	WC-A4-05-C	03	100.02	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2078-11	WC-A1-06A-C	04	100.02	2000	N/A	N/A	N/A	11.0	1.0	T-1
Q2078-15	WC-A1-07A-C	05	100.02	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2078-19	WC-A4-06-C	06	100.03	2000	N/A	N/A	N/A	11.0	1.0	T-1
Q2079-03	WC-A2-01-C	07	100.04	2000	N/A	N/A	N/A	11.0	1.5	T-1
Q2079-07	WC-A2-02-C	08	100.02	2000	N/A	N/A	N/A	11.5	1.0	T-1
Q2079-11	WC-A2-03-C	09	100.03	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q2084-05	OR-640-COMP-66	10	100.01	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q2092-02	VNJ-202	11	100.02	2000	N/A	N/A	N/A	5.0	1.5	T-2
Q2093-02	SOIL-DRUMS	12	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q2094-06	COMP-1	13	100.02	2000	N/A	N/A	N/A	10.5	1.5	T-2
Q2094-07	COMP-2	14	100.03	2000	N/A	N/A	N/A	11.0	1.0	T-2
Q2094-08	COMP-3	15	100.02	2000	N/A	N/A	N/A	10.5	1.5	T-2
Q2094-09	COMP-4	16	100.03	2000	N/A	N/A	N/A	10.5	1.0	T-2
Q2094-10	COMP-5	17	100.04	2000	N/A	N/A	N/A	10.0	1.5	T-2
Q2095-04	WCS-TP1	18	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-2
Q2095-08	WCS-TP2	19	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2

05/21/25
12.10

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
PB168067TB	LEB067	08	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-1
Q2071-04	L1-WC-7	01	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q2071-08	L1-WC-8	02	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q2071-12	L1-WC-9	03	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q2071-16	L2-WC-5	04	100.01	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2071-20	L2-WC-6	05	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q2080-06	PL-HRH-COMP-01	06	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q2080-12	PL-HRH-COMP-02	07	100.04	2000	N/A	N/A	N/A	4.0	1.0	T-1

05/20/25
11:00c

Prep Standard - Chemical Standard Summary

Order ID : Q2079

Test : TCLP Pesticide

Prepbatch ID : PB168121,

Sequence ID/Qc Batch ID: PL052225,

Standard ID :

EP2614,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,E3806,E3847,E3876,E3877,E3914,E3930,E3932,E3934,P12603,P12611,P13037,P13040,P13195,P13245,P133
56,P13357,P13405,P13785,P13861,P9052,W3177,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2614	05/19/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/19/2025

FROM 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

FROM 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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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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	07/01/2025	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 #
Agela Technologies Inc.	FS0006 / Cleanert Florisil cartridge	M06518	09/25/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3806

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 / Rajesh	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

CHEMICAL RECEIPT LOG BOOK

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)	25A0262002	02/20/2026	05/02/2025 / RUPESH	03/09/2025 / RUPESH	E3930

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

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	05/12/2025 / RUPESH	04/23/2025 / RUPESH	E3934

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13040

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	042022	09/10/2025	03/10/2025 / Abdul	01/17/2024 / Abdul	P13195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	09/10/2025	03/10/2025 / Abdul	11/19/2024 / Ankita	P13785

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na 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

Cleanert Florisil

1g/6ml 30/pkg

固相萃取产品

LOT#: M06518

MFG#: F04074



Made in China

CAT# FS0006

 Agela Technologies

E 3806



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

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.

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor



Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date: 2026-02-20
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	4
Assay (CH ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	99.9%
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.8 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

E3930

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

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



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

E3934

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

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0193299
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2029 **Storage:** 10°C or colder
Ship: Ambient

P12616
↓
P12615
Five
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	—%	1,010.0 µg/mL	+/- 56.0475

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

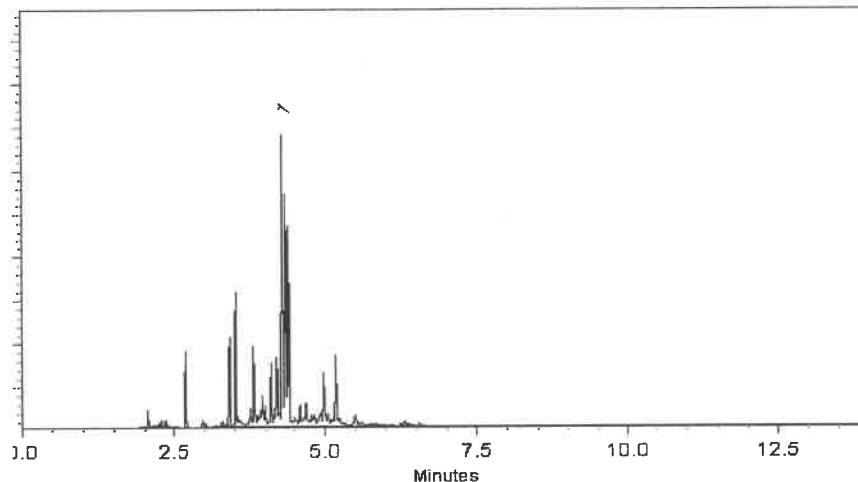
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Bryan Snyder
Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

CRm
P12611
↓
P12615
⑤
CRout
7/3/2023



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291

Lot No.: A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50),
1mL/ampul

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : June 30, 2027

Storage: 10°C or colder

Ship: Ambient

P130397 5
↓
P13043 1
✓
12-26-2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13039
 ↓
 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.)

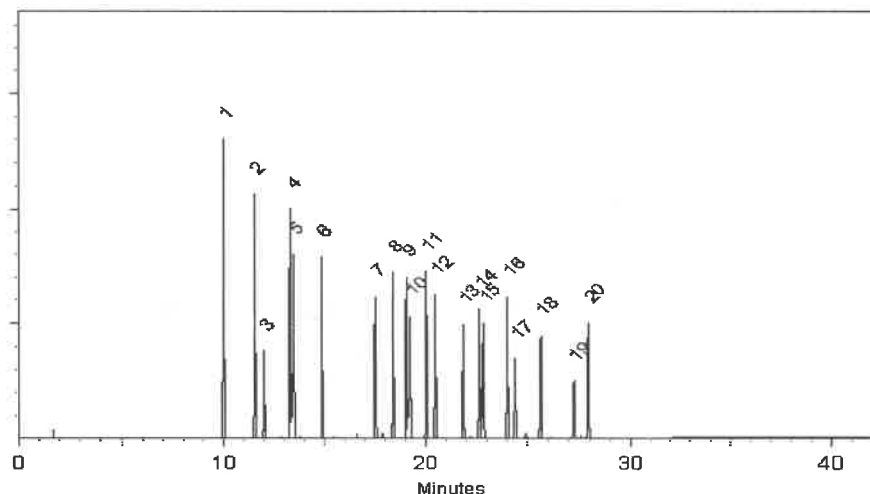
Inj. Temp:
 200°C

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:	<u>Milrex</u>

Solvent(s):	Lot#
Acetone	81025

Formulated By: Prashant Chauhan DATE 04/02/22

Expiration Date: 042027

Recommended Storage: 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

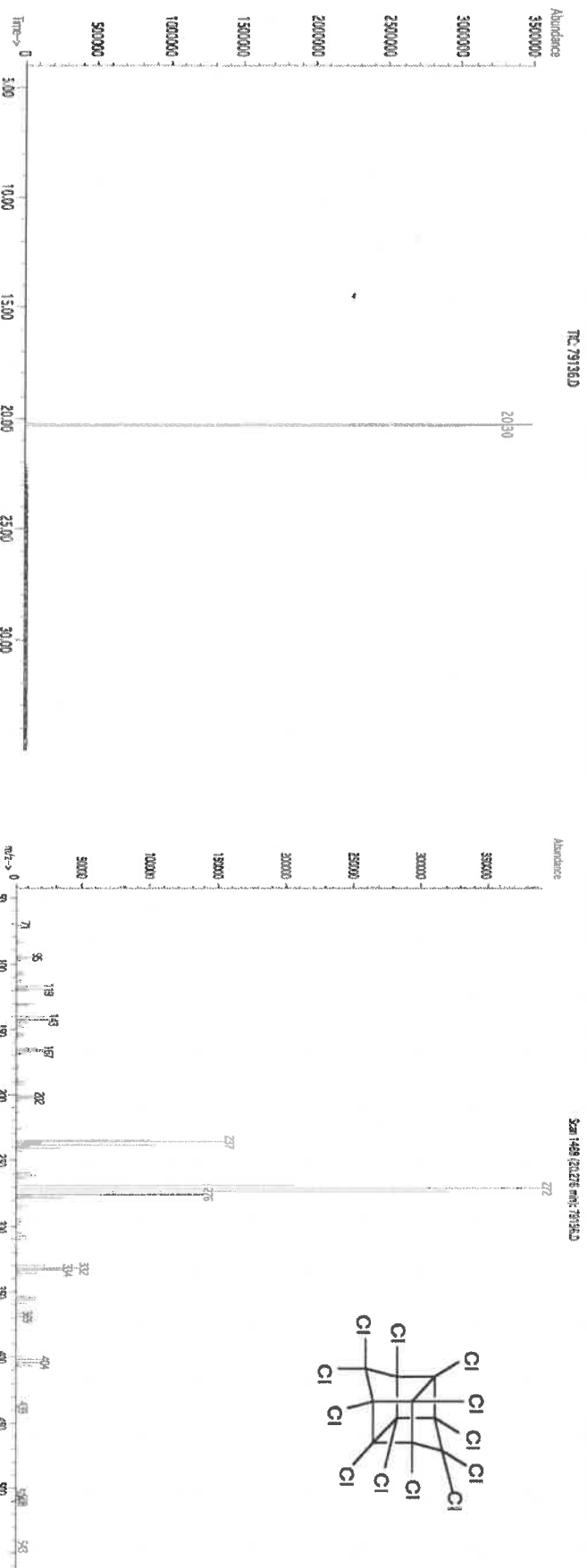
042022
DATE

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

Handwritten diagram showing a curved arrow pointing from a circled '5' to the text 'D 3/5 1/5'.



110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

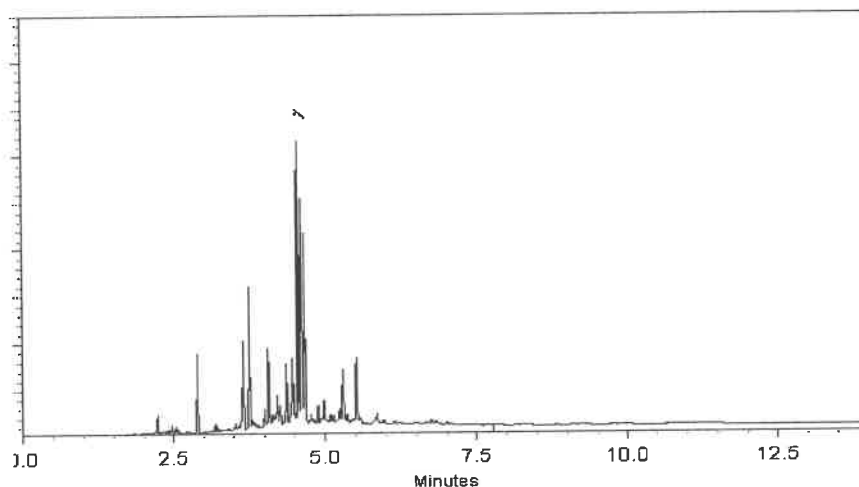
ECD

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

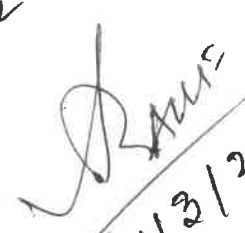
Date Mixed: 11-May-2023

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
P13038
1
5
12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

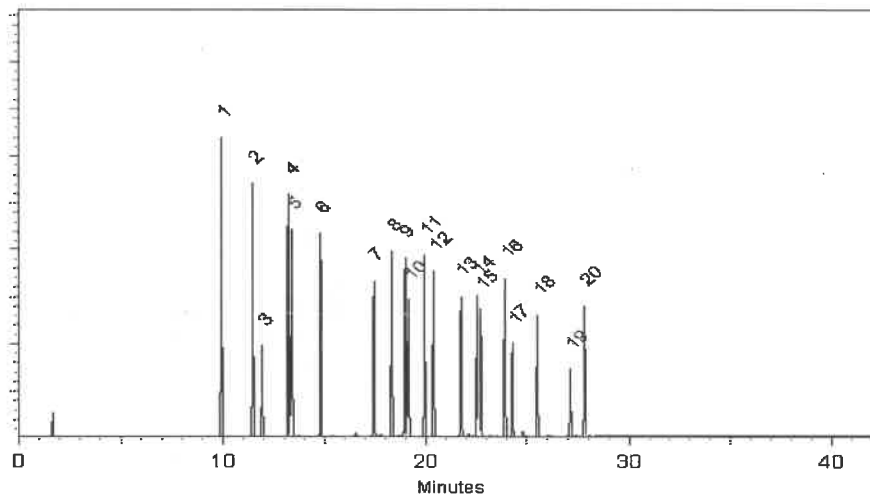
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

19161
013124
CLP Pesticides & PCBs Resolution Check Standard

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):

9 components
013129
Refrigerate (4 °C)

Solvent(s):
Hexane
Toluene
273615
28508
(50%)
(50%)

NIST Test ID#:

6UTB

Volume(s) shown below were combined and diluted to (mL):

5E-05
Balance Uncertainty
0.021
Pipet Uncertainty

Formulated By: <i>Lawrence Barry</i>		013124
Reviewed By: <i>Pedro L. Rentes</i>		013124
DATE		DATE

Compound

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 36300ug/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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
↓
P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

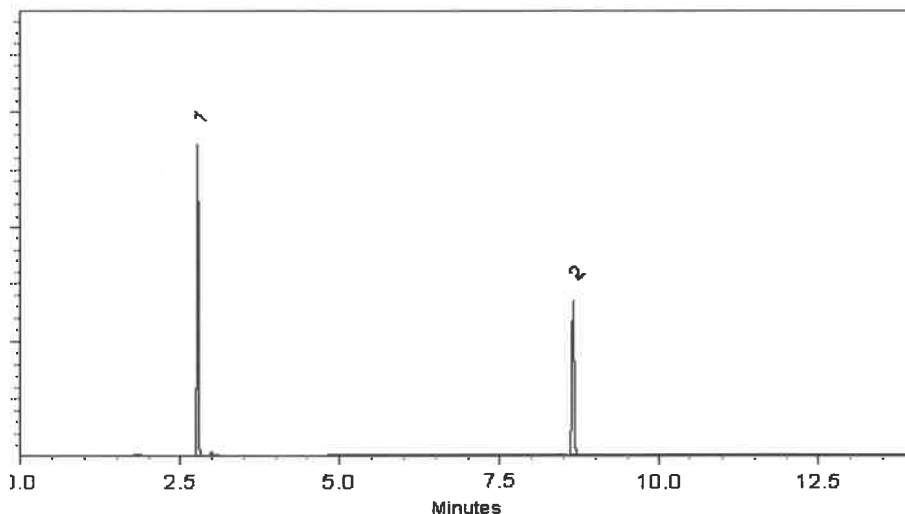
ECD

Split Vent:

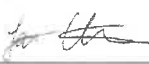
10 ml/min.

Inj. Vol

1µl

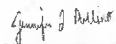


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

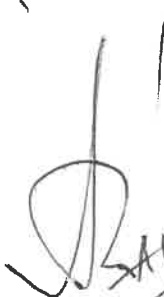
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 13348
↓
P 13357
10


SAUF
04/25/2025



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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.:** 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:

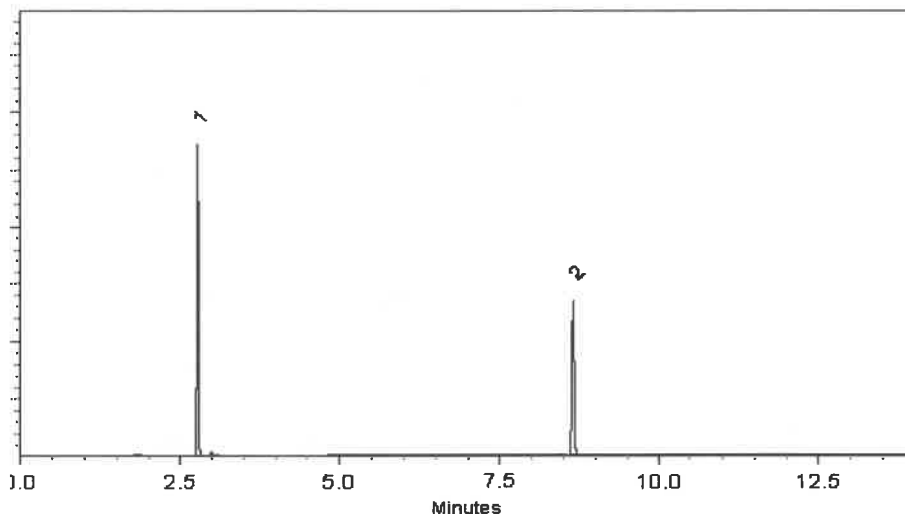
ECD

Split Vent:

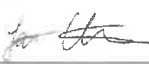
10 ml/min.

Inj. Vol

1µl

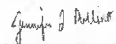


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

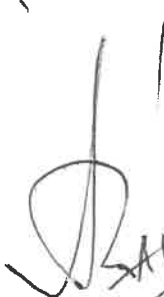
Balance Serial # 1128360905


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

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard
Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

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:

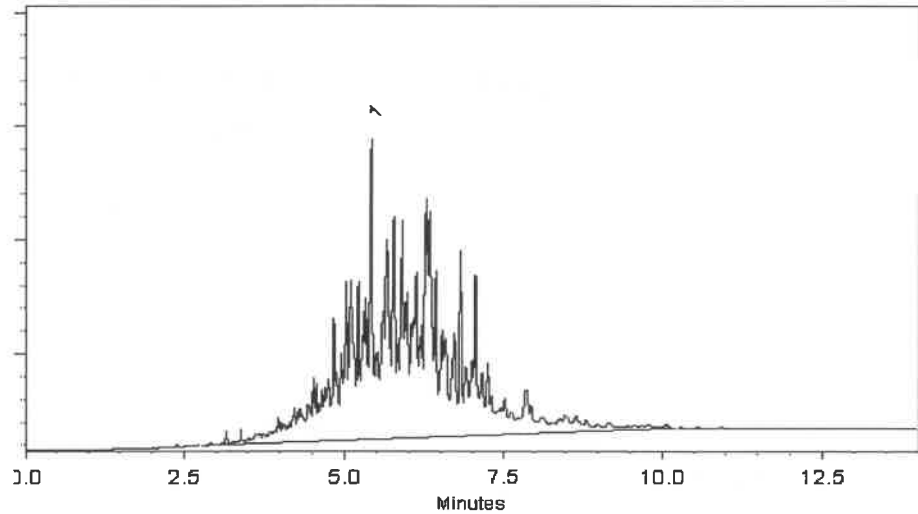
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

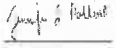


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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



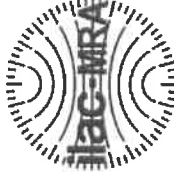
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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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.)

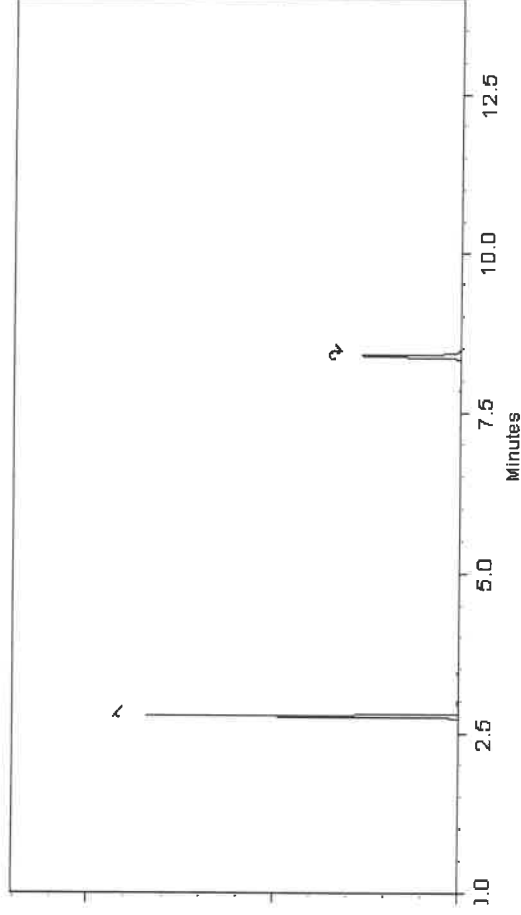
Inj. Temp:
250°C

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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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.:** 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:

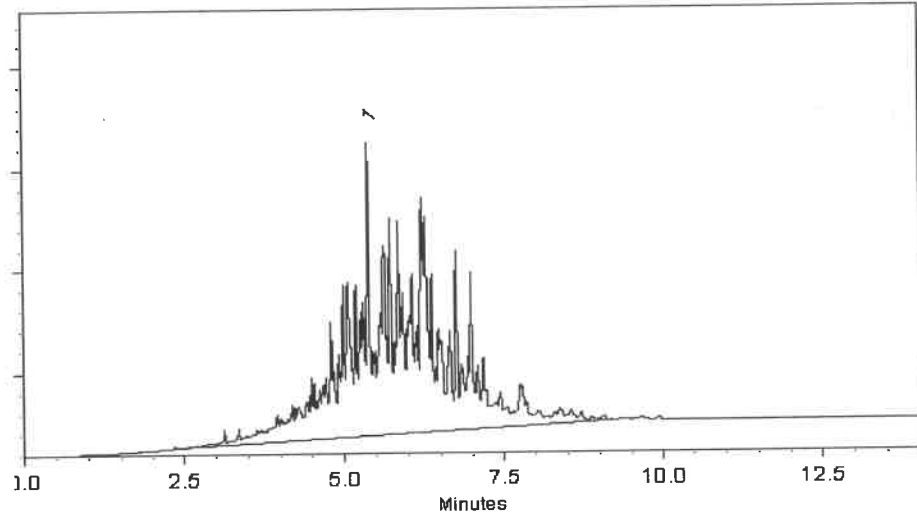
ECD

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

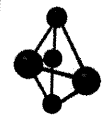

Christie Mills - Operations Lead Tech - ARM QC

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):

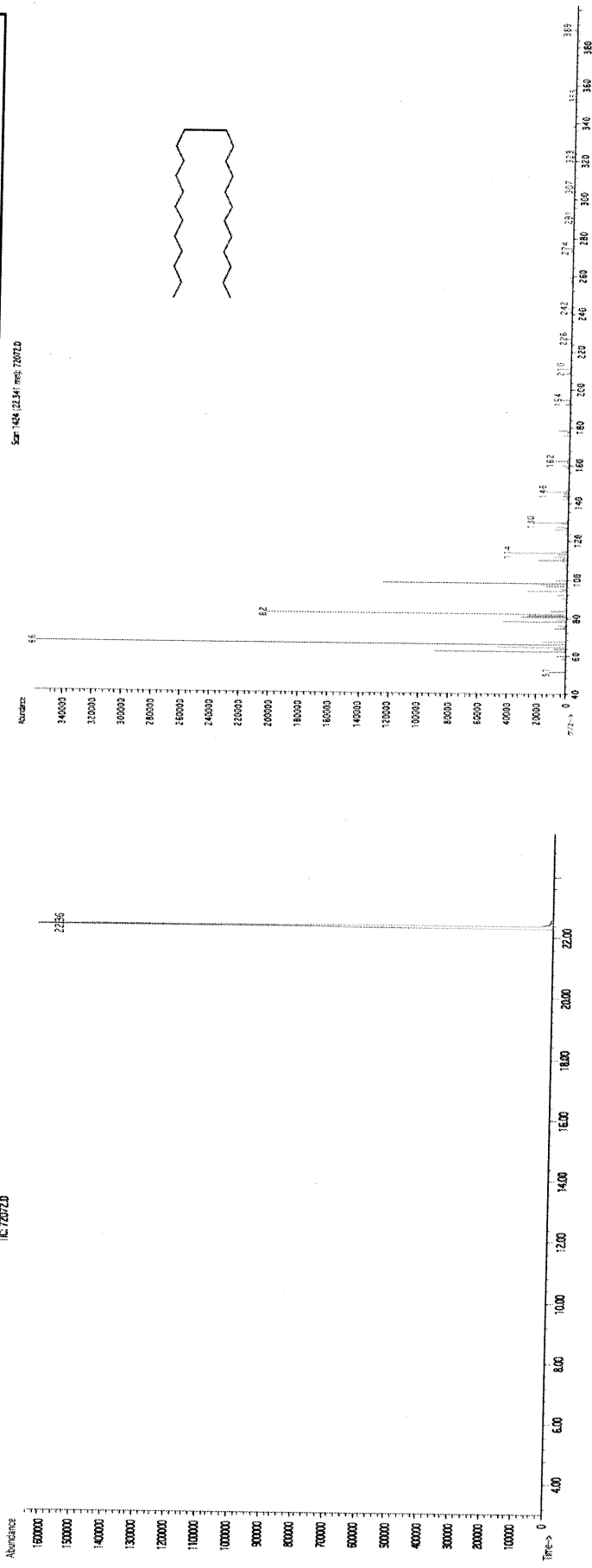
Solvent(s): **Methylene chloride**
Lot#: **102669**

Received by
SG on 11/11/19
p9044-p9053
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

<i>Prashant Chauhan</i>	
Formulated By:	Prashant Chauhan
DATE	112018
<i>Pedro Rentas</i>	
Reviewed By:	Pedro Rentas
DATE	112018

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

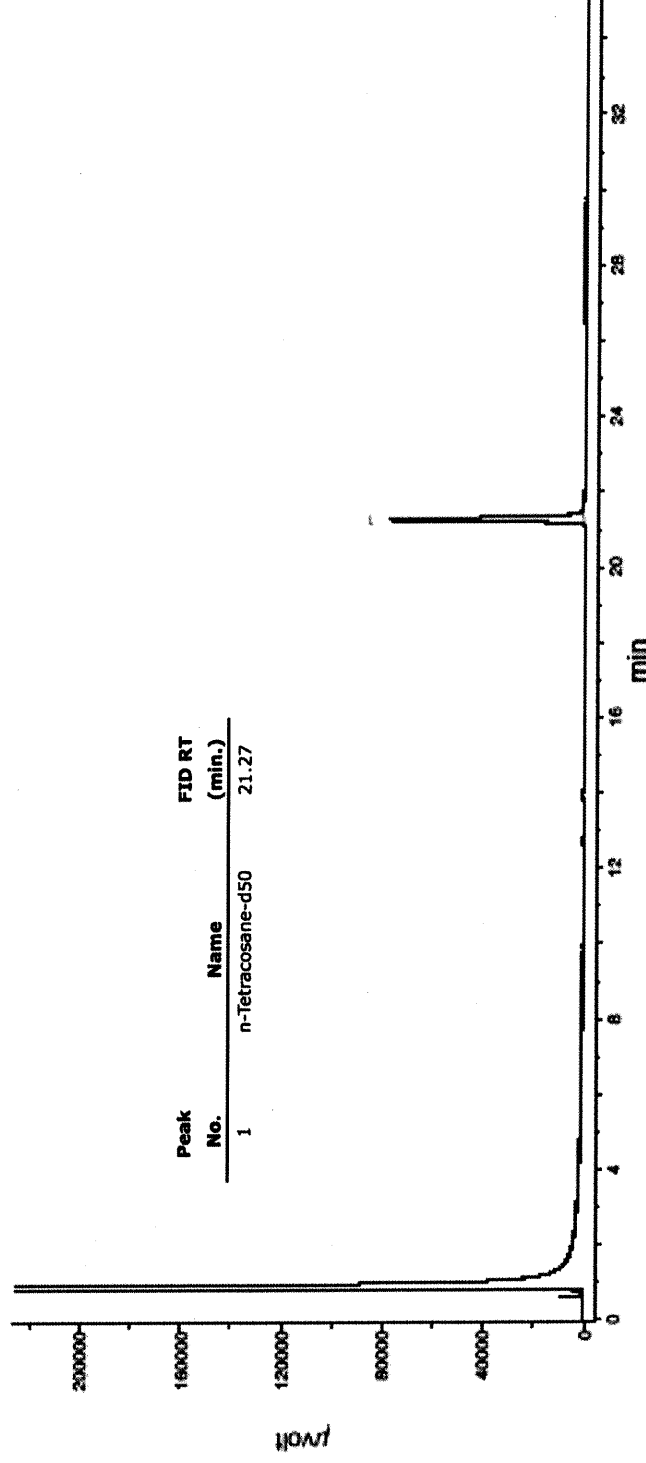
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5µm Film Thickness

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



284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number:

Q2079

COC Number: 2042113

Page 1 of 2

CLIENT INFORMATION

COMPANY: ENTACT, LLC
ADDRESS: 150 Bay Street, Suite 806
CITY: Jersey City STATE: NJ ZIP: 07302
ATTENTION: Austin Farmerie
PHONE: 412-716-1366 FAX:

PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY
PROJECT #: E9309 LOCATION: Brooklyn, NY
PROJECT MANAGER: Austin Farmerie
E-MAIL: afarmerie@entact.com
PHONE: 412-716-1366 FAX:

BILLING INFORMATION

BILL TO: ENTACT, LLC PO# E9309
ADDRESS: 999 Oakmont Plaza Drive, Suite 300
CITY: Westmont STATE: IL ZIP: 60559
ATTENTION: Wendy Murray PHONE: 800-936-8228

ANALYSIS

TCLP VOCs	TCLP ICP Metals + Cu, Ni, Zn	TCLP Herb	TCLP Pest	TCLP SVOCs	TCLP pH (Method 1311/9045 H+B)	I/C/R	PCBs	Oil & Grease
1	2	3	4	5	6	7	8	9

DATA TURNAROUND INFORMATION

FAX: 3 DAYS*
HARD COPY: 3 DAYS*
EDD 3 DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD Format

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles										<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
			COMP	GRAB	DATE	TIME		E	E	E	E	E	E	E	E	E	
1.	WC-A2-01-G	Soil		X	5/13	12:00	1	X									
2.	WC-A2-01-C	Soil	X		5/13	12:00	11		X	X	X	X	X	X	X	X	
3.	WC-A2-02-G	Soil		X	5/13	12:00	1	X									
4.	WC-A2-02-C	Soil	X		5/13	12:00	11		X	X	X	X	X	X	X	X	
5.	WC-A2-03-G	Soil		X	5/13	12:00	1	X									
6.	WC-A2-03-C	Soil	X		5/13	12:00	11		X	X	X	X	X	X	X	X	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER 1. Austin Farmerie	DATE/TIME 5/19 12:00	RECEIVED BY 	1400 5-19-25	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.5°C ☐ Ice in Cooler?:
RELINQUISHED BY	DATE/TIME	RECEIVED BY		Comments:
2.		2.		
RELINQUISHED BY 	DATE/TIME 5-19-25	RECEIVED FOR LAB BY		
3.		3.		

Page ____ of ____

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete
☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY



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CHAIN OF CUSTODY RECORD

Alliance Project Number:

Q2079

COC Number: 2042113

Page 2 of 2

CLIENT INFORMATION

COMPANY: ENTACT, LLC

ADDRESS: 150 Bay Street, Suite 806

CITY Jersey City STATE: NJ ZIP: 07302

ATTENTION: Austin Farmerie

PHONE: 412-716-1366

FAX:

PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY

PROJECT #: E9309 LOCATION: Brooklyn, NY

PROJECT MANAGER: Austin Farmerie

E-MAIL: afarmerie@entact.com

PHONE: 412-716-1366

FAX:

BILLING INFORMATION

BILL TO: ENTACT, LLC

PO# E9309

ADDRESS: 999 Oakmont Plaza Drive, Suite 300

CITY: Westmont

STATE: IL ZIP: 60559

ATTENTION: Wendy Murray

PHONE: 800-936-8228

DATA TURNAROUND INFORMATION

FAX: 3 DAYS*
HARD COPY: 3 DAYS*
EDD 3 DAYS*

* TO BE APPROVED BY ALLIANCE

STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other
☐ EDD Format

ANALYSIS

ASTM COD	ASTM Ammonia Nitrogen	ASTM O&G	ASTM TS	TS, TVS	pH (9045D)	Paint Filter
10	11	12	13	14	15	16

PRESERVATIVES

COMMENTS

<-- Specify Preservatives

A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	E	E	E	E	E	E	E			
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	WC-A2-01-G	Soil		X	5/13	12:00	1										
2.	WC-A2-01-C	Soil	X		5/13	12:00	11	X	X	X	X	X	X	X			
3.	WC-A2-02-G	Soil		X	5/13	12:00	1										
4.	WC-A2-02-C	Soil	X		5/13	12:00	11	X	X	X	X	X	X	X			
5.	WC-A2-03-G	Soil		X	5/13	12:00	1										
6.	WC-A2-03-C	Soil	X		5/13	12:00	11	X	X	X	X	X	X	X			
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER 1. Austin Farmerie	DATE/TIME 5-19-28 1400	RECEIVED BY [Signature] 5-19-28 1400	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.5C ☐ Ice in Cooler?:
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY	Comments:
RELINQUISHED BY 3.	DATE/TIME 5-19-28 1930	RECEIVED FOR LAB BY 3.	

Page _____ of _____

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete
☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT

YELLOW - ALLIANCE COPY

PINK - SAMPLER COPY

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