

Cover Page

Order ID : P5380

Project ID : Ft Meade Tipton Airfield Parcel RI - PO 0111169

Client : Weston Solutions

Lab Sample Number

P5380-01
P5380-02

Client Sample Number

TAPIAL3-IDW-SOIL-122024-T1
TAPIAL3-IDW-SOIL-122024-T1

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: 1/2/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

Weston Solutions

Project Name: Ft Meade Tipton Airfield Parcel RI - PO 0111169

Project # N/A

Chemtech Project # P5380

Test Name: TCLP Pesticide

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 12/21/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Ignitability, PCB, pH, Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA and TCLP ZHE Extraction. This data package contains results for TCLP Pesticide.

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

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

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

E. Additional Comments:

The not QT review data is reported in the Miscellaneous.

F. Calculation for Concentration in Water Samples:

$$\text{Concentration ug/L} = \frac{(A_x) (V_t) (DF) (GPC)}{(CF) (V_o) (V_i)}$$

Where,

A_x = Response (peak area or height) of the compound to be measured.

CF = Mean Calibration Factor from the initial calibration (area/ng).

V_o = Volume of water extracted in mL.

V_i = Volume of extract injected in uL.

V_t = Volume of the concentrated extract in uL

GPC = $\frac{V_{in}}{V_{out}}$ = GPC factor (If no GPC is performed, GPC=1)

V_{in} = Volume of extract loaded onto GPC column.

V_{out} = Volume of extract collected after GPC cleanup.

DF = Dilution Factor.

G. Manual Integration Comments:

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

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

Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

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

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



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P5380

MATRIX: TCLP

METHOD: 8081B/3510/1311

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified.			✓
2. Standard Summary Submitted.			✓
3. Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD. The Initial Calibration met the requirements . The Continuous Calibration met the requirements .			✓
4. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS recoveries met the requirements for all compounds . The MSD recoveries met the acceptable requirements . The Blank Spike met requirements for all samples . The RPD met criteria .		✓	
7. Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8. Extraction Holding Time Met If not met, list number of days exceeded for each sample:			✓
9. Analysis Holding Time Met If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓



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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

The not QT review data is reported in the Miscellaneous.

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P5380

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 01/02/2025

LAB CHRONICLE

OrderID: P5380	OrderDate: 12/23/2024 9:50:00 AM
Client: Weston Solutions	Project: Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact: Nathan Fretz	Location: N31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5380-01	TAPIAL3-IDW-SOIL-1 22024-T1	SOIL			12/20/24			12/21/24
			PCB	8082A		12/26/24	12/26/24	
P5380-02	TAPIAL3-IDW-SOIL-1 22024-T1	TCLP			12/20/24			12/21/24
			TCLP Pesticide	8081B		12/27/24	12/27/24	



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Hit Summary Sheet
SW-846

SDG No.: P5380

Order ID: P5380

Client: Weston Solutions

Project ID: Ft Meade Tipton Airfield Parcel RI - P

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units

Client ID :

Total Concentration: 0.000



QC SUMMARY

Surrogate Summary

SDG No.: **P5380**

Client: **Weston Solutions**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL093481.D	PIBLK-PL093481.D	Decachlorobiphenyl	1	20	22.0	110		30	135
		Tetrachloro-m-xylene	1	20	20.5	102		44	124
		Decachlorobiphenyl	2	20	21.4	107		30	135
		Tetrachloro-m-xylene	2	20	19.9	100		44	124
I.BLK-PL093540.D	PIBLK-PL093540.D	Decachlorobiphenyl	1	20	24.2	121		30	135
		Tetrachloro-m-xylene	1	20	23.3	116		44	124
		Decachlorobiphenyl	2	20	23.1	115		30	135
		Tetrachloro-m-xylene	2	20	22.3	112		44	124
PB165895BL	PB165895BL	Decachlorobiphenyl	1	20	22.0	110		30	135
		Tetrachloro-m-xylene	1	20	19.2	96		44	124
		Decachlorobiphenyl	2	20	21.0	105		30	135
		Tetrachloro-m-xylene	2	20	18.8	94		44	124
PB165895BS	PB165895BS	Decachlorobiphenyl	1	20	19.8	99		30	135
		Tetrachloro-m-xylene	1	20	18.0	90		44	124
		Decachlorobiphenyl	2	20	19.9	100		30	135
		Tetrachloro-m-xylene	2	20	17.1	86		44	124
PB165858TB	PB165858TB	Decachlorobiphenyl	1	20	22.3	112		30	135
		Tetrachloro-m-xylene	1	20	20.4	102		44	124
		Decachlorobiphenyl	2	20	23.0	115		30	135
		Tetrachloro-m-xylene	2	20	19.6	98		44	124
P5362-02MS	WC-SOIL-20241219MS	Decachlorobiphenyl	1	20	17.9	89		30	135
		Tetrachloro-m-xylene	1	20	19.1	95		44	124
		Decachlorobiphenyl	2	20	18.3	91		30	135
		Tetrachloro-m-xylene	2	20	19.3	97		44	124
P5362-02MSD	WC-SOIL-20241219MSD	Decachlorobiphenyl	1	20	17.6	88		30	135
		Tetrachloro-m-xylene	1	20	18.9	95		44	124
		Decachlorobiphenyl	2	20	18.1	90		30	135
		Tetrachloro-m-xylene	2	20	18.9	94		44	124
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	Decachlorobiphenyl	1	20	15.8	79		30	135
		Tetrachloro-m-xylene	1	20	16.4	82		44	124
		Decachlorobiphenyl	2	20	16.1	81		30	135
		Tetrachloro-m-xylene	2	20	16.3	82		44	124
I.BLK-PL093553.D	PIBLK-PL093553.D	Decachlorobiphenyl	1	20	23.7	119		30	135
		Tetrachloro-m-xylene	1	20	22.4	112		44	124
		Decachlorobiphenyl	2	20	24.1	120		30	135
		Tetrachloro-m-xylene	2	20	21.6	108		44	124

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5380

Client: Weston Solutions

Analytical Method: 8081B

DataFile : PL093550.D

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Client Sample ID:	WC-SOIL-20241219MS											
P5362-02MS	gamma-BHC (Lindane)	5	0	4.90	ug/L	98					59	134
	Heptachlor	5	0	5.00	ug/L	100					54	130
	Heptachlor epoxide	5	0	4.90	ug/L	98					61	133
	Endrin	5	0	5.00	ug/L	100					60	138
	Methoxychlor	5	0	5.00	ug/L	100					54	145

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5380

Client: Weston Solutions

Analytical Method: 8081B

DataFile : PL093551.D

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Client Sample ID:	WC-SOIL-20241219MSD											
P5362-02MSD	gamma-BHC (Lindane)	5	0	4.80	ug/L	96		2		59	134	20
	Heptachlor	5	0	4.90	ug/L	98		2		54	130	20
	Heptachlor epoxide	5	0	4.80	ug/L	96		2		61	133	20
	Endrin	5	0	4.90	ug/L	98		2		60	138	20
	Methoxychlor	5	0	4.90	ug/L	98		2		54	145	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5380

Client: Weston Solutions

Analytical Method: **8081B** **Datafile :** PL093547.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB165895BS	gamma-BHC (Lindane)	0.5	0.43	ug/L	86				59	134	
	Heptachlor	0.5	0.45	ug/L	90				54	130	
	Heptachlor epoxide	0.5	0.43	ug/L	87				61	133	
	Endrin	0.5	0.44	ug/L	88				60	138	
	Methoxychlor	0.5	0.44	ug/L	89				54	145	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165895BL

Lab Name: CHEMTECH

Contract: WEST04

Lab Code: CHEM Case No.: P5380

SAS No.: P5380 SDG NO.: P5380

Lab Sample ID: PB165895BL

Lab File ID: PL093546.D

Matrix: (soil/water) water

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 12/27/2024

Date Analyzed (1): 12/27/2024

Date Analyzed (2): 12/27/2024

Time Analyzed (1): 16:33

Time Analyzed (2): 16:33

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
PB165895BS	PB165895BS	PL093547.D	12/27/2024	12/27/2024
PB165858TB	PB165858TB	PL093548.D	12/27/2024	12/27/2024
WC-SOIL-20241219MS	P5362-02MS	PL093550.D	12/27/2024	12/27/2024
WC-SOIL-20241219MSD	P5362-02MSD	PL093551.D	12/27/2024	12/27/2024
TAPIAL3-IDW-SOIL-122024-T1	P5380-02	PL093552.D	12/27/2024	12/27/2024

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/20/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/21/24
Client Sample ID:	TAPIAL3-IDW-SOIL-122024-T1	SDG No.:	P5380
Lab Sample ID:	P5380-02	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093552.D	1	12/27/24 11:00	12/27/24 17:54	PB165895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	0.25	U	0.049	0.25	0.50	ug/L
76-44-8	Heptachlor	0.25	U	0.054	0.25	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.25	U	0.090	0.25	0.50	ug/L
72-20-8	Endrin	0.10	U	0.043	0.10	0.50	ug/L
72-43-5	Methoxychlor	0.25	U	0.11	0.25	0.50	ug/L
8001-35-2	Toxaphene	5.00	U	1.50	5.00	10.0	ug/L
57-74-9	Chlordane	2.50	U	0.82	2.50	5.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	16.1		30 - 135		81%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.4		44 - 124		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\PL122724\
 Data File : PL093552.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Dec 2024 17:54
 Operator : AR\AJ
 Sample : P5380-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TAPIAL3-IDW-SOIL-122024-T1

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
 Supervised By :Ankita Jodhani 12/30/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 28 01:02:14 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 15:29:41 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.539	2.776	40707952	47509337	16.443m	16.320
28) SA Decachlor...	9.055	7.913	29169938	48183628	15.776	16.137

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
Data File : PL093552.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Dec 2024 17:54
Operator : AR\AJ
Sample : P5380-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

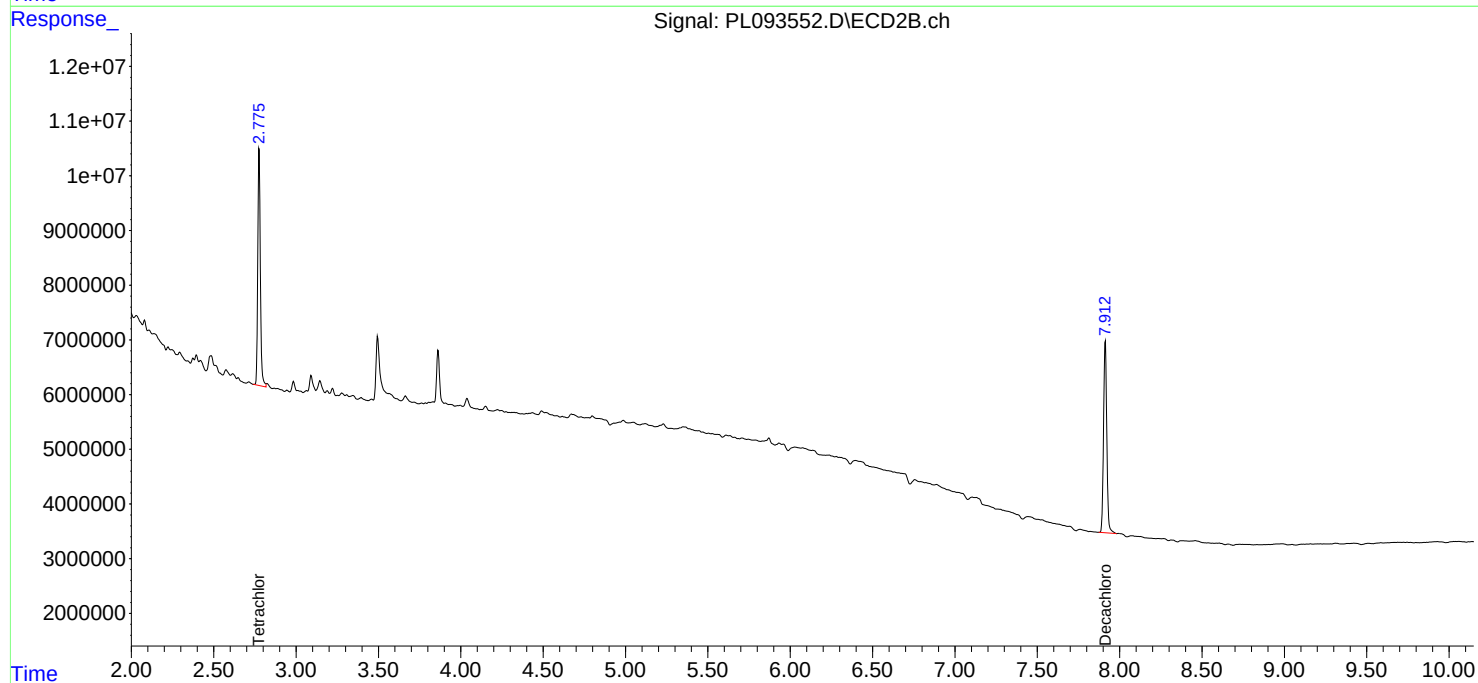
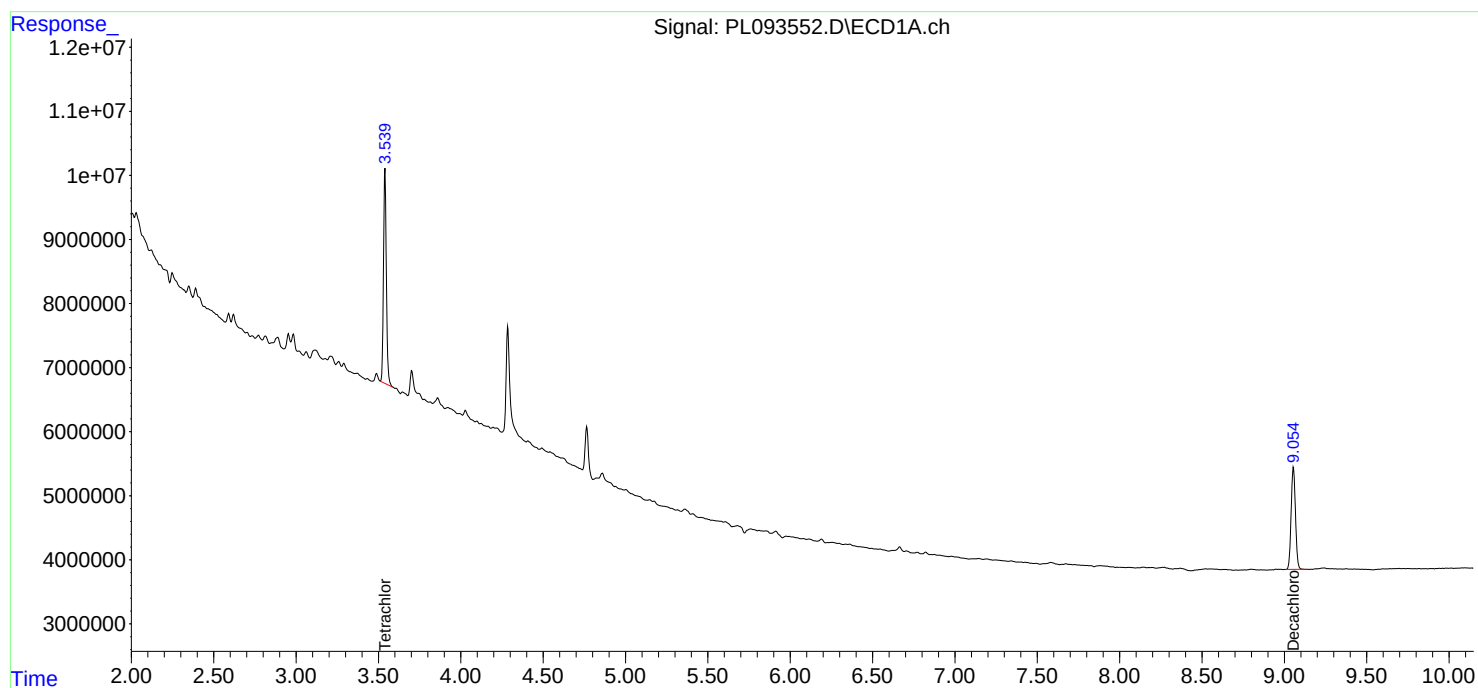
Instrument :
ECD_L
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

Manual Integrations
APPROVED

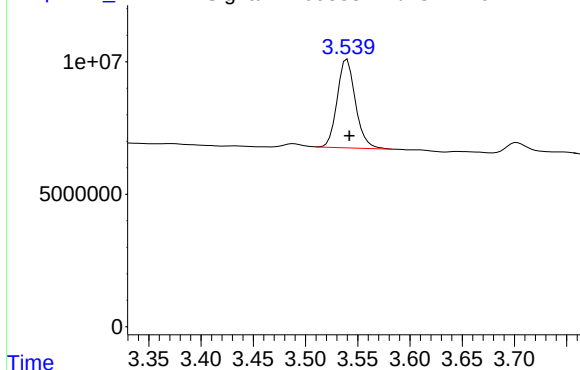
Reviewed By : Abdul Mirza 12/30/2024
Supervised By : Ankita Jodhani 12/30/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 28 01:02:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PL093552.D\ECD1A.ch



#1 Tetrachloro-m-xylene

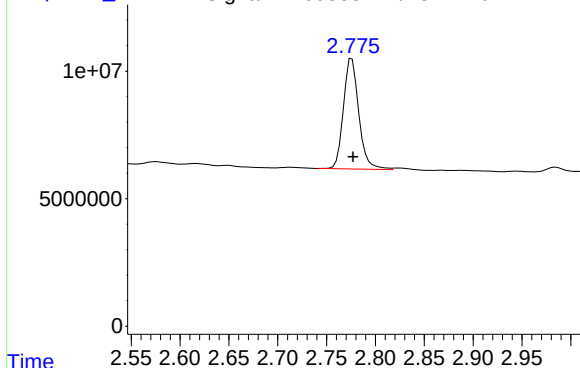
R.T.: 3.539 min
Delta R.T.: -0.003 min
Response: 40707952
Conc: 16.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024

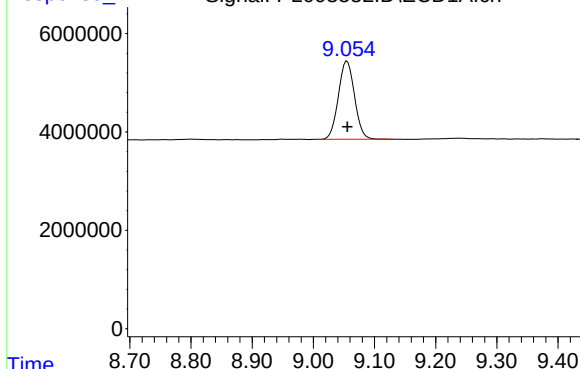
Response_ Signal: PL093552.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.001 min
Response: 47509337
Conc: 16.32 ng/ml

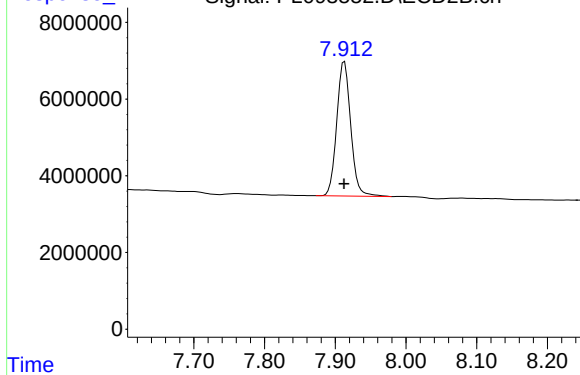
Response_ Signal: PL093552.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.000 min
Response: 29169938
Conc: 15.78 ng/ml

Response_ Signal: PL093552.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: 0.000 min
Response: 48183628
Conc: 16.14 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/27/24
Client Sample ID:	PB165858TB	SDG No.:	P5380
Lab Sample ID:	PB165858TB	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :	1.0	Final Vol:	10000
PH :		Test:	TCLP Pesticide
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093548.D	1	12/27/24 11:00	12/27/24 17:00	PB165895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	0.25	U	0.049	0.25	0.50	ug/L
76-44-8	Heptachlor	0.25	U	0.054	0.25	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.25	U	0.090	0.25	0.50	ug/L
72-20-8	Endrin	0.10	U	0.043	0.10	0.50	ug/L
72-43-5	Methoxychlor	0.25	U	0.11	0.25	0.50	ug/L
8001-35-2	Toxaphene	5.00	U	1.50	5.00	10.0	ug/L
57-74-9	Chlordane	2.50	U	0.82	2.50	5.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.0		30 - 135		115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		44 - 124		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\PL122724\
Data File : PL093548.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Dec 2024 17:00
Operator : AR\AJ
Sample : PB165858TB
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB165858TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 28 01:00:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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...	3.540	2.775	50429852	56924471	20.370	19.554
28)	SA Decachlor...	9.054	7.912	41282936	68806261	22.327	23.044

Target Compounds

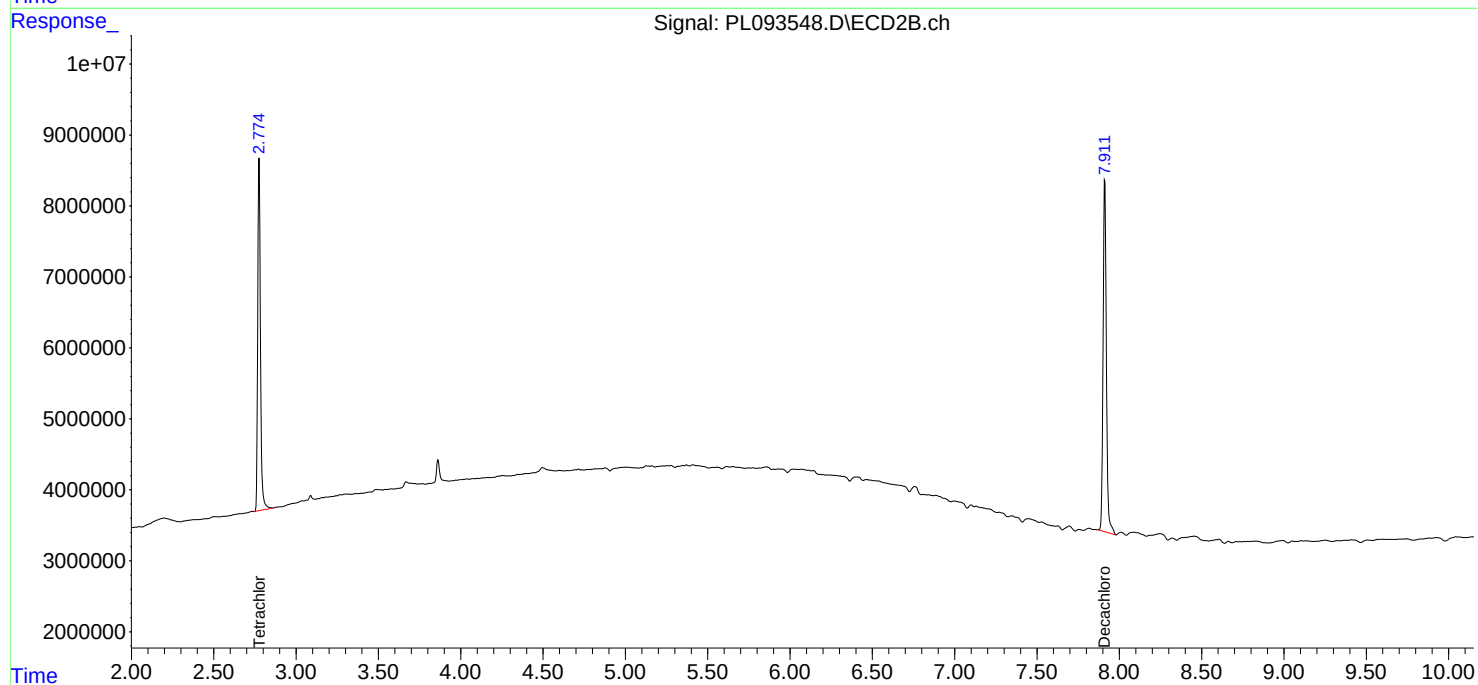
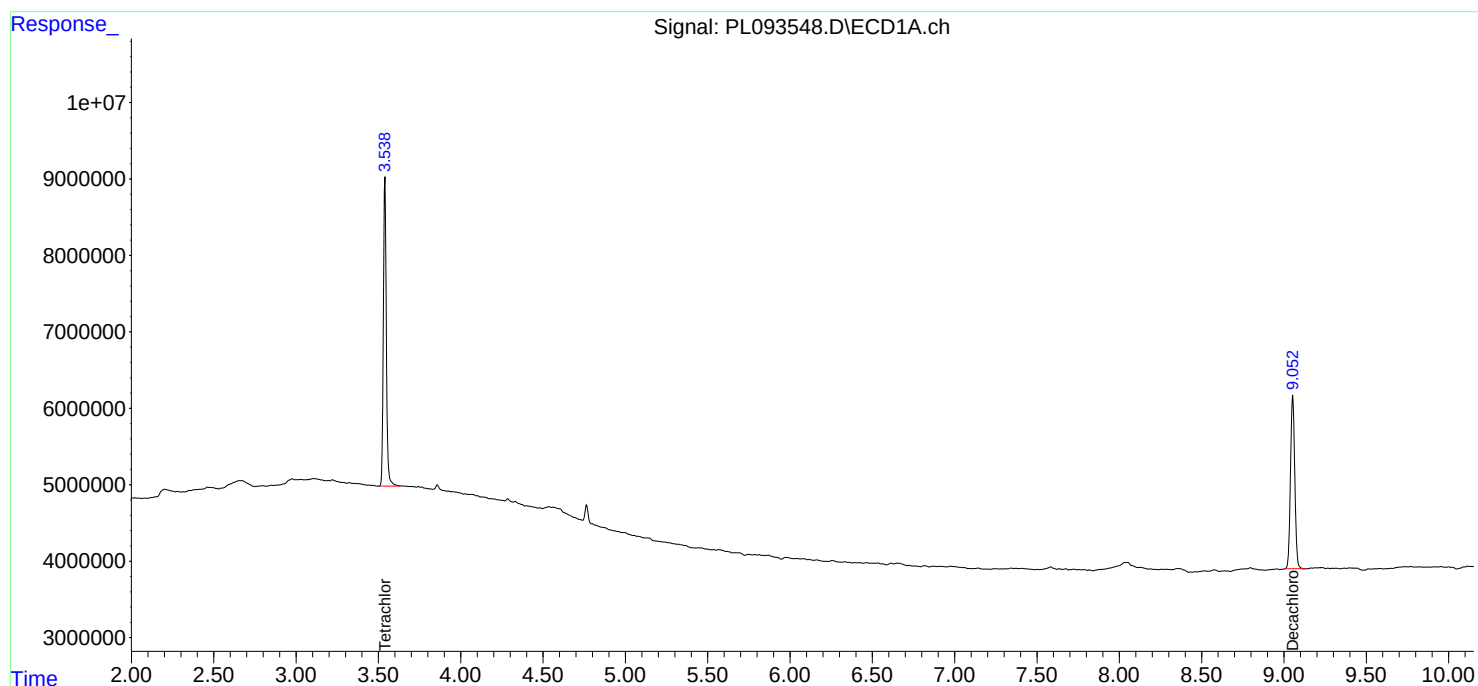
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

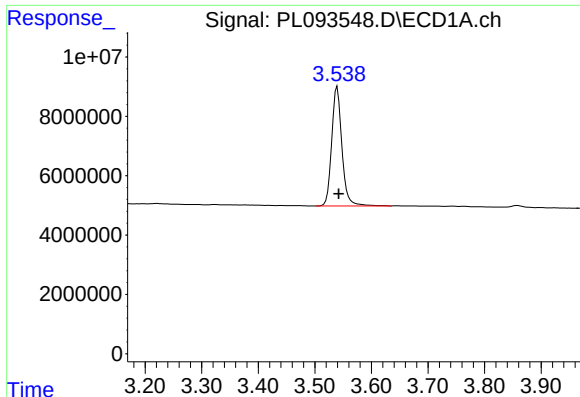
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
Data File : PL093548.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Dec 2024 17:00
Operator : AR\AJ
Sample : PB165858TB
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB165858TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 28 01:00:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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

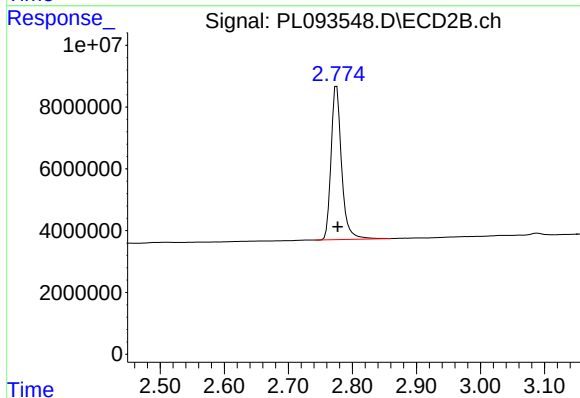




#1 Tetrachloro-m-xylene

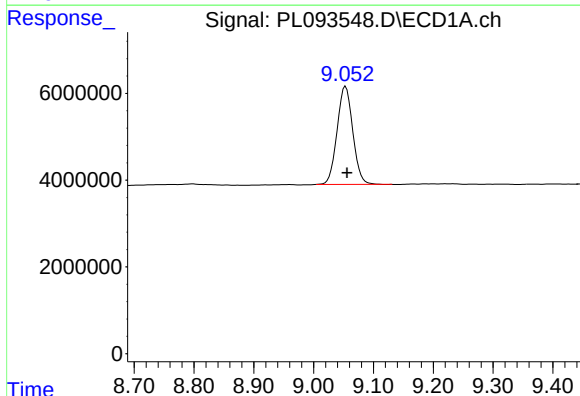
R.T.: 3.540 min
Delta R.T.: -0.002 min
Response: 50429852
Conc: 20.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165858TB



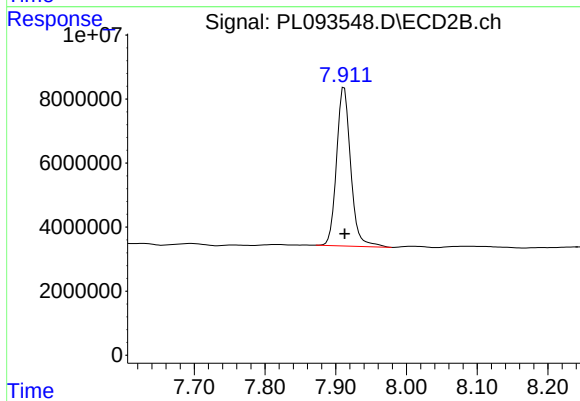
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: -0.002 min
Response: 56924471
Conc: 19.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.002 min
Response: 41282936
Conc: 22.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 68806261
Conc: 23.04 ng/ml



CALIBRATION SUMMARY

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

[illegible]

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: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

Instrument ID: ECD_L

Calibration Date(s): 12/23/2024 12/23/2024

Calibration Times: 13:15 14:09

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

LAB FILE ID:		CF 100 =	<u>PL093484.D</u>	CF 075 =	<u>PL093485.D</u>		
CF 050 =		<u>PL093486.D</u>	CF 025 =	<u>PL093487.D</u>	CF 005 =	<u>PL093488.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	1661260000	1649170000	1775440000	1867730000	2291490000	1849020000	14
Endrin	1980610000	1930990000	2046720000	2145760000	2658130000	2152440000	14
gamma-BHC (Lindane)	3189620000	3052290000	3180150000	3224710000	3750380000	3279430000	8
Heptachlor	2746960000	2670120000	2802230000	2919950000	3502290000	2928310000	11
Heptachlor epoxide	2426470000	2365400000	2505620000	2624560000	3249710000	2634350000	14
Methoxychlor	902299000	897910000	965987000	1022970000	1209220000	999678000	13
Tetrachloro-m-xylene	2318290000	2256280000	2391520000	2493110000	2919250000	2475690000	11



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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

Instrument ID: ECD_L Calibration Date(s): 12/23/2024 12/23/2024

Calibration Times: 13:15 14:09

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

LAB FILE ID:		CF 100 =	<u>PL093484.D</u>	CF 075 =	<u>PL093485.D</u>		
CF 050 =		<u>PL093486.D</u>	CF 025 =	<u>PL093487.D</u>	CF 005 =	<u>PL093488.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	2956580000	2818470000	2885080000	2902790000	3366620000	2985910000	7
Endrin	3457020000	3288270000	3315120000	3193900000	3287350000	3308330000	3
gamma-BHC (Lindane)	4493780000	4228750000	4260470000	4062450000	4051390000	4219370000	4
Heptachlor	4294490000	4097760000	4159520000	4029940000	4197880000	4155920000	2
Heptachlor epoxide	3890040000	3699480000	3757900000	3697650000	4098450000	3828700000	4
Methoxychlor	1579690000	1538710000	1589880000	1595910000	1744000000	1609640000	5
Tetrachloro-m-xylene	2947220000	2813690000	2902100000	2859340000	3033640000	2911200000	3



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

Instrument ID: ECD_L Date(s) Analyzed: 12/23/2024 12/23/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	4.70	4.60	4.80	105010000
		2	5.23	5.13	5.33	104692000
		3	5.94	5.84	6.04	357201000
		4	6.02	5.92	6.12	429018000
		5	6.87	6.77	6.97	82825800
Toxaphene	500	1	6.24	6.14	6.34	22764900
		2	6.44	6.34	6.54	15272800
		3	7.06	6.96	7.16	73123800
		4	7.15	7.05	7.25	54576200
		5	7.93	7.83	8.03	41166400



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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

Instrument ID: ECD_L Date(s) Analyzed: 12/23/2024 12/23/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	3.77	3.67	3.87	117982000
		2	4.35	4.25	4.45	135627000
		3	4.98	4.88	5.08	415974000
		4	5.04	4.94	5.14	407360000
		5	5.94	5.84	6.04	132398000
Toxaphene	500	1	5.00	4.90	5.10	23243100
		2	5.33	5.23	5.43	22807400
		3	5.69	5.59	5.79	25158900
		4	6.60	6.50	6.70	81574800
		5	7.04	6.94	7.14	75247700

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
 Data File : PL093484.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Dec 2024 13:15
 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: Dec 24 14:23:03 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 14:21:40 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.542	2.778	231.8E6	294.7E6	96.938	101.555
28)	SA Decachlor...	9.056	7.913	166.1E6	295.7E6	93.569	102.478
Target Compounds							
2)	A alpha-BHC	3.998	3.280	347.8E6	468.0E6	104.118	106.233
3)	MA gamma-BHC...	4.330	3.610	319.0E6	449.4E6	100.298	105.476
4)	MA Heptachlor	4.918	3.949	274.7E6	429.4E6	98.028	103.245
5)	MB Aldrin	5.259	4.228	273.9E6	434.6E6	98.881	105.594
6)	B beta-BHC	4.528	3.910	132.2E6	179.8E6	95.848	101.323
7)	B delta-BHC	4.775	4.139	302.5E6	452.8E6	101.912	106.135
8)	B Heptachlo...	5.686	4.731	242.6E6	389.0E6	96.841	103.516
9)	A Endosulfan I	6.071	5.100	217.0E6	357.5E6	96.603	103.316
10)	B gamma-Chl...	5.942	4.981	234.0E6	399.0E6	97.368	105.233
11)	B alpha-Chl...	6.021	5.044	232.1E6	391.4E6	97.329	104.102
12)	B 4,4'-DDE	6.194	5.233	209.8E6	383.3E6	97.887	104.819
13)	MA Dieldrin	6.346	5.364	232.4E6	404.4E6	97.854	105.346
14)	MA Endrin	6.576	5.640	198.1E6	345.7E6	96.770	104.280
15)	B Endosulfa...	6.796	5.935	207.9E6	331.1E6	99.259	101.739
16)	A 4,4'-DDD	6.712	5.788	162.2E6	296.9E6	96.257	104.862
17)	MA 4,4'-DDT	7.025	6.038	173.7E6	321.5E6	97.339	105.765
18)	B Endrin al...	6.926	6.114	159.1E6	270.8E6	94.696	101.980
19)	B Endosulfa...	7.161	6.337	181.9E6	321.6E6	94.774	103.297
20)	A Methoxychlor	7.502	6.612	90229928	158.0E6	93.407	99.359
21)	B Endrin ke...	7.645	6.841	206.4E6	368.1E6	96.998	101.719
22)	Mirex	8.118	7.022	164.2E6	294.6E6	93.292	99.628

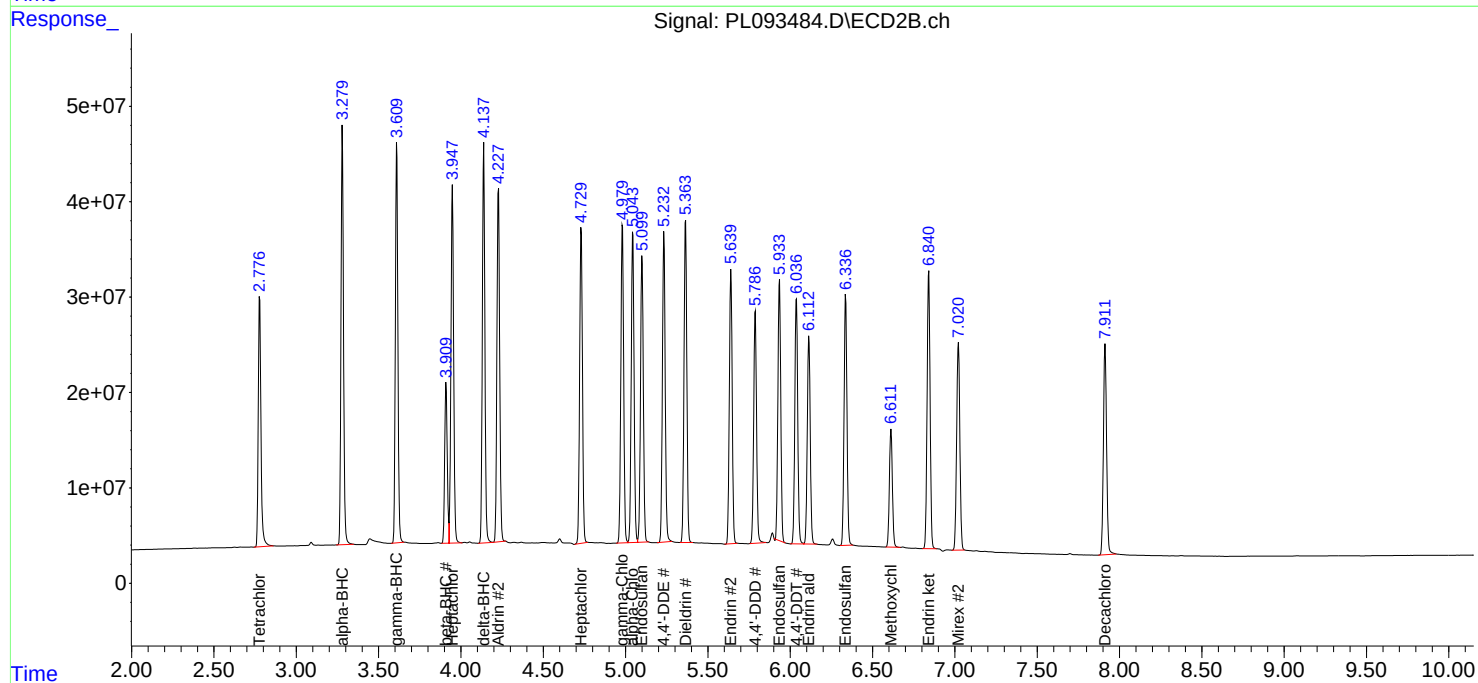
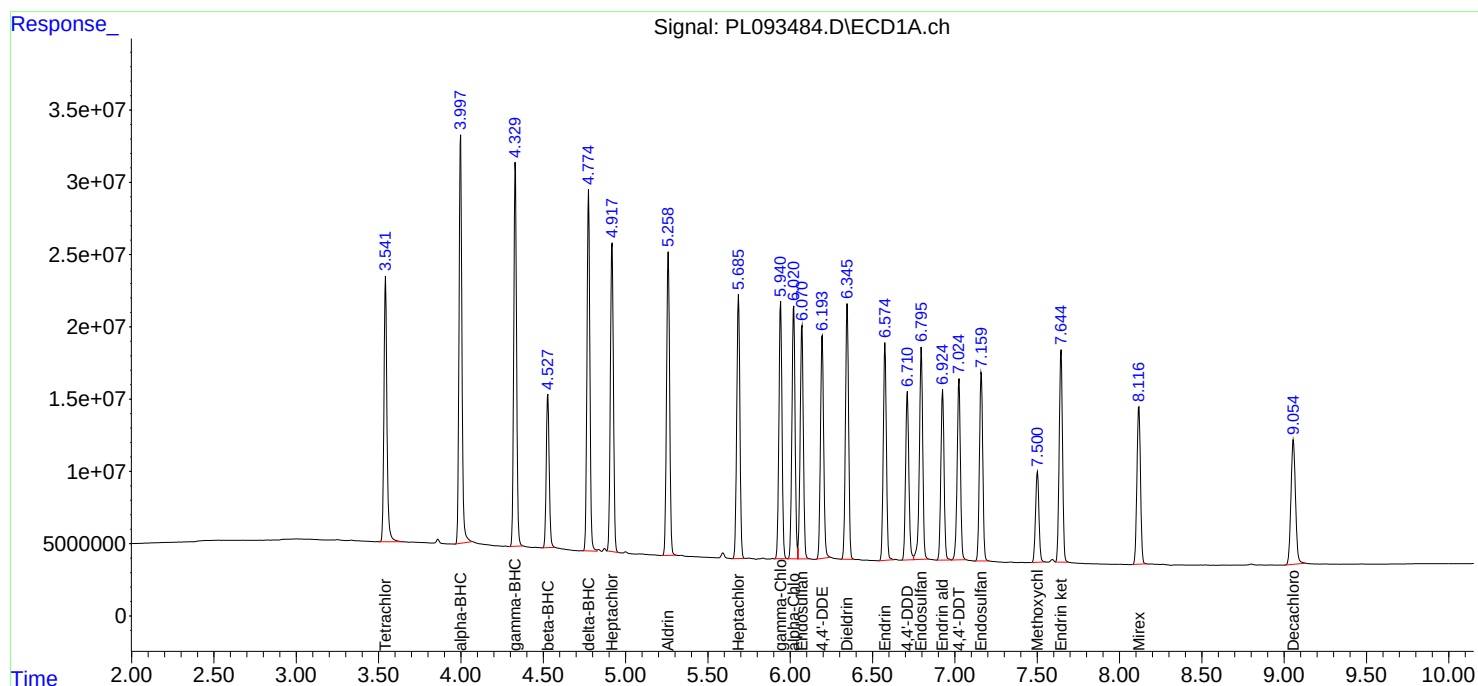
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

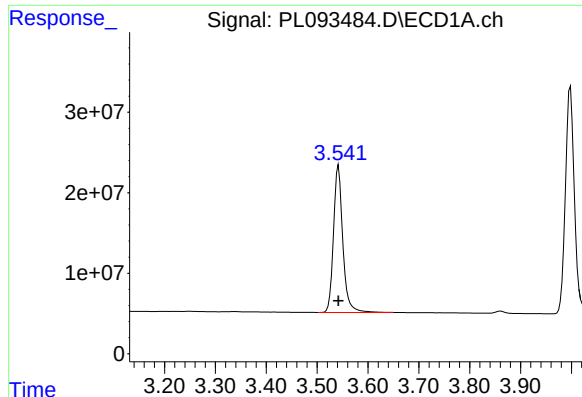
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
Data File : PL093484.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Dec 2024 13:15
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 24 14:23:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 14:21:40 2024
Response via : Initial Calibration
Integrator: ChemStation

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

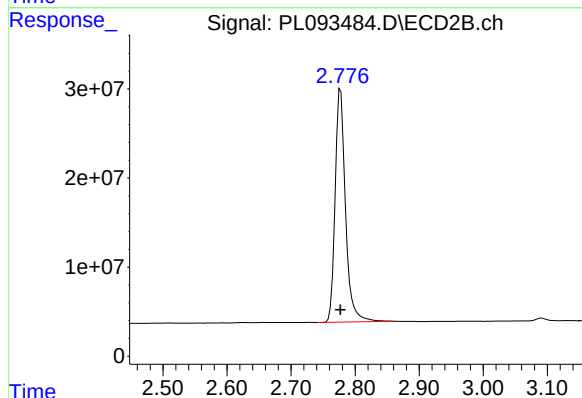




#1 Tetrachloro-m-xylene

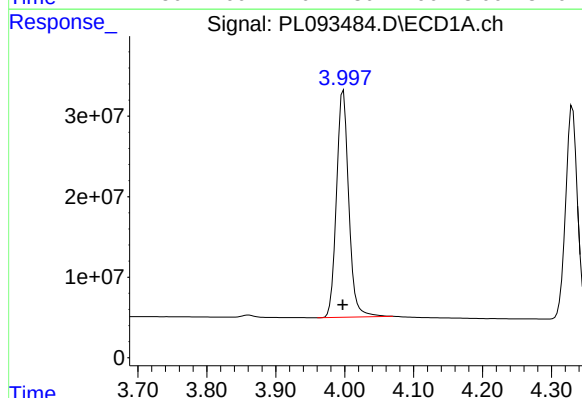
R.T.: 3.542 min
Delta R.T.: 0.000 min
Response: 231828714
Conc: 96.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



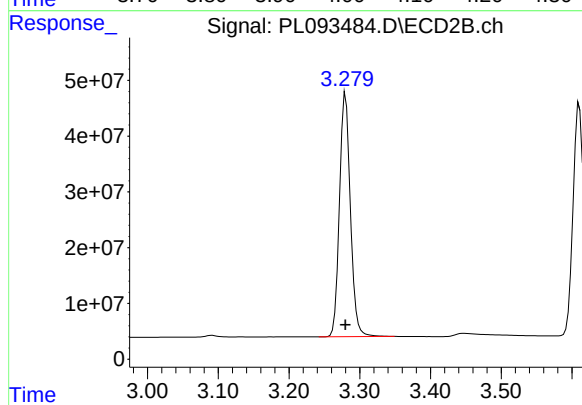
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 294722312
Conc: 101.55 ng/ml



#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 347765724
Conc: 104.12 ng/ml



#2 alpha-BHC

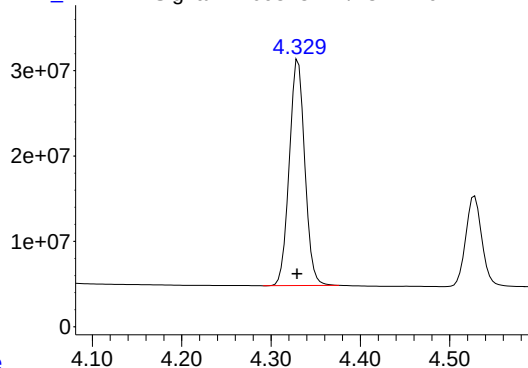
R.T.: 3.280 min
Delta R.T.: 0.000 min
Response: 468046870
Conc: 106.23 ng/ml

Response_

Signal: PL093484.D\ECD1A.ch

#3 gamma-BHC (Lindane)

ICAL Form



R.T.: 4.330 min
Delta R.T.: 0.001 min
Response: 318961685
Conc: 100.30 ng/ml

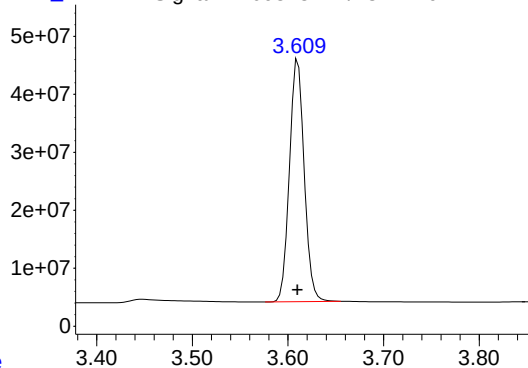
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PL093484.D\ECD2B.ch

#3 gamma-BHC (Lindane)



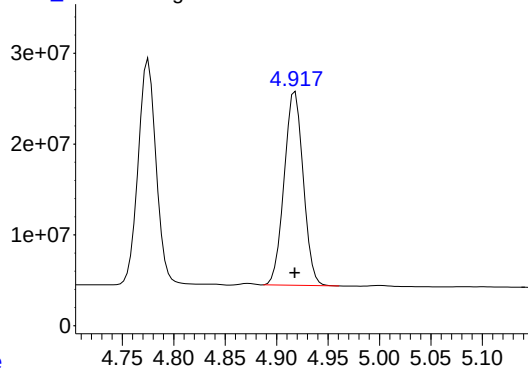
R.T.: 3.610 min
Delta R.T.: 0.000 min
Response: 449377997
Conc: 105.48 ng/ml

Time

Response_

Signal: PL093484.D\ECD1A.ch

#4 Heptachlor



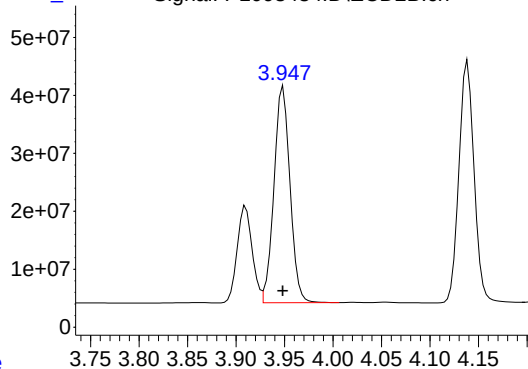
R.T.: 4.918 min
Delta R.T.: 0.000 min
Response: 274696445
Conc: 98.03 ng/ml

Time

Response_

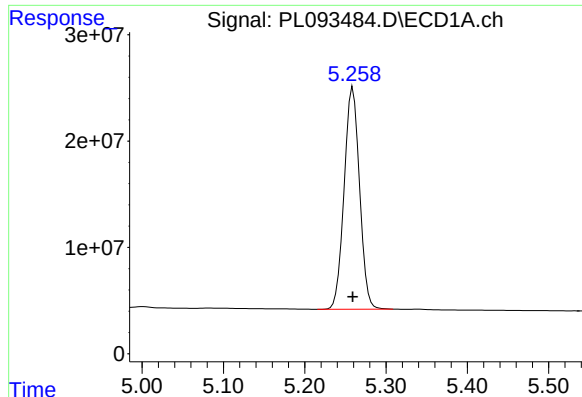
Signal: PL093484.D\ECD2B.ch

#4 Heptachlor



R.T.: 3.949 min
Delta R.T.: 0.000 min
Response: 429448537
Conc: 103.24 ng/ml

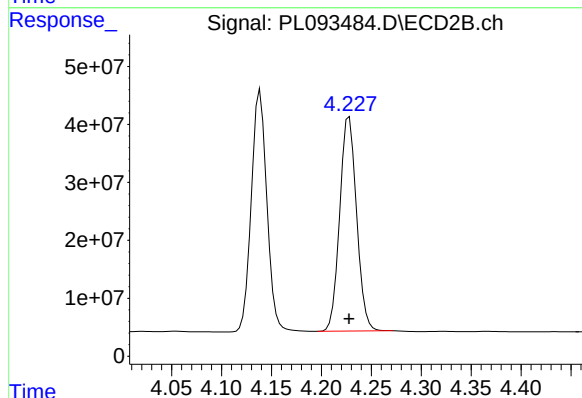
Time



#5 Aldrin

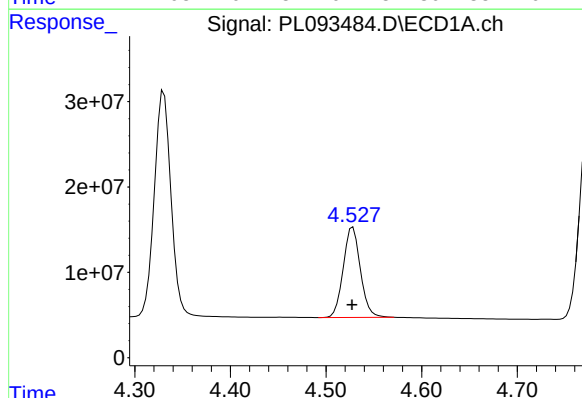
R.T.: 5.259 min
Delta R.T.: 0.000 min
Response: 273947545
Conc: 98.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



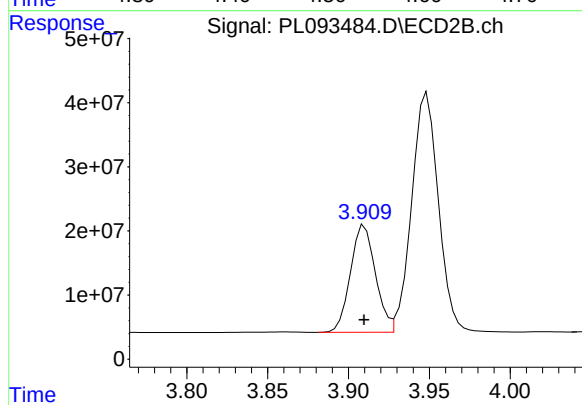
#5 Aldrin

R.T.: 4.228 min
Delta R.T.: 0.000 min
Response: 434568436
Conc: 105.59 ng/ml



#6 beta-BHC

R.T.: 4.528 min
Delta R.T.: 0.000 min
Response: 132162427
Conc: 95.85 ng/ml



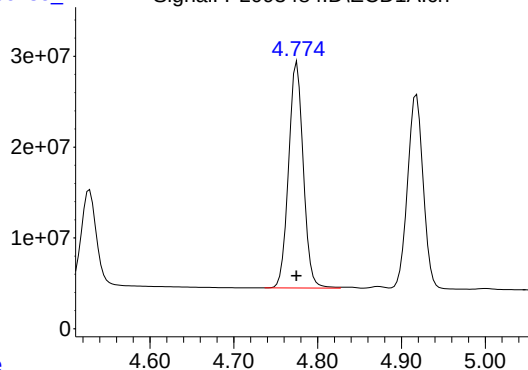
#6 beta-BHC

R.T.: 3.910 min
Delta R.T.: 0.000 min
Response: 179753562
Conc: 101.32 ng/ml

Response_

Signal: PL093484.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.775 min
Delta R.T.: 0.000 min
Response: 302456359
Conc: 101.91 ng/ml

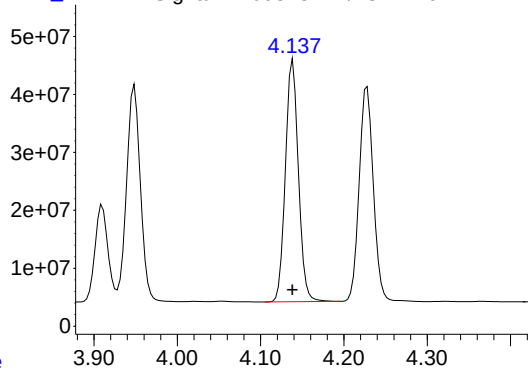
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PL093484.D\ECD2B.ch

#7 delta-BHC



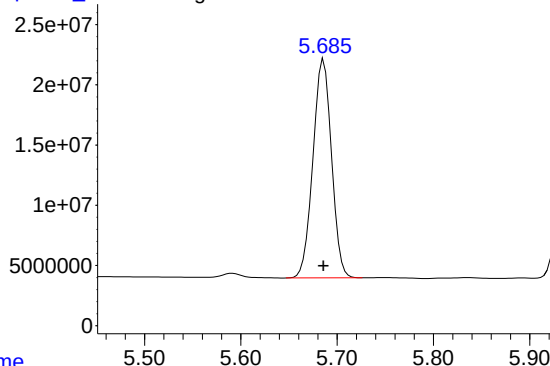
R.T.: 4.139 min
Delta R.T.: 0.000 min
Response: 452803530
Conc: 106.13 ng/ml

Time

Response_

Signal: PL093484.D\ECD1A.ch

#8 Heptachlor epoxide



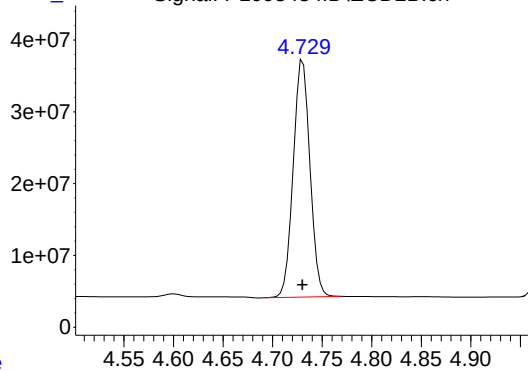
R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 242647163
Conc: 96.84 ng/ml

Time

Response_

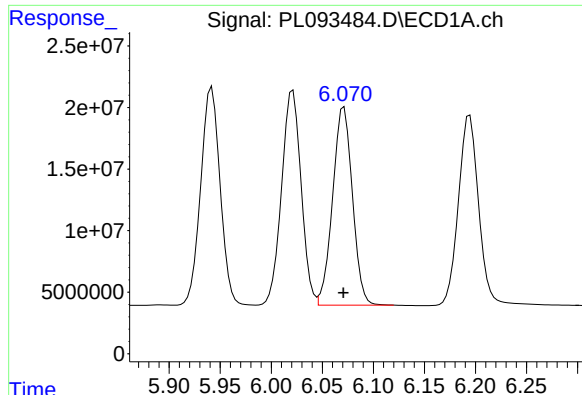
Signal: PL093484.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.731 min
Delta R.T.: 0.000 min
Response: 389003982
Conc: 103.52 ng/ml

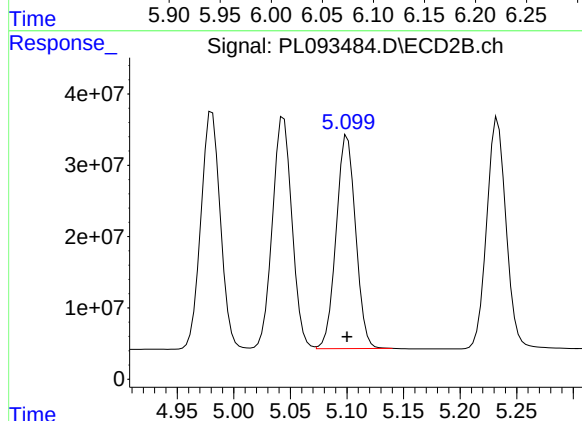
Time



#9 Endosulfan I

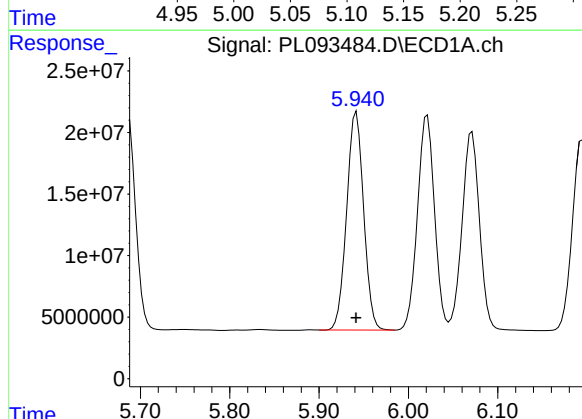
R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 216979436
Conc: 96.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



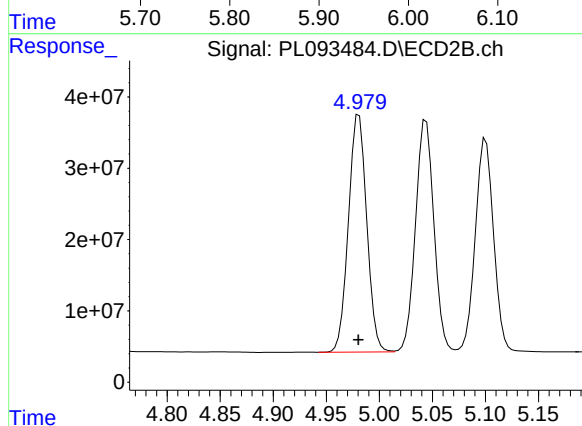
#9 Endosulfan I

R.T.: 5.100 min
Delta R.T.: 0.000 min
Response: 357479190
Conc: 103.32 ng/ml



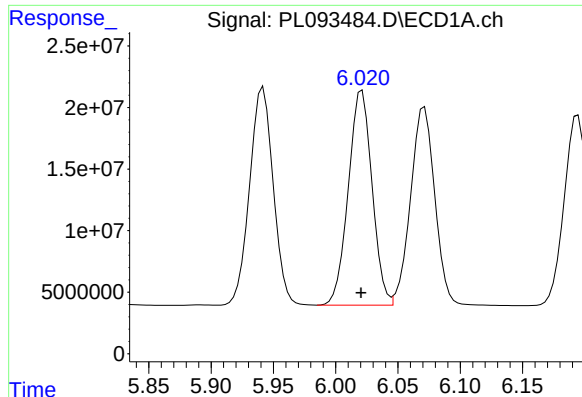
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 234005396
Conc: 97.37 ng/ml



#10 gamma-Chlordane

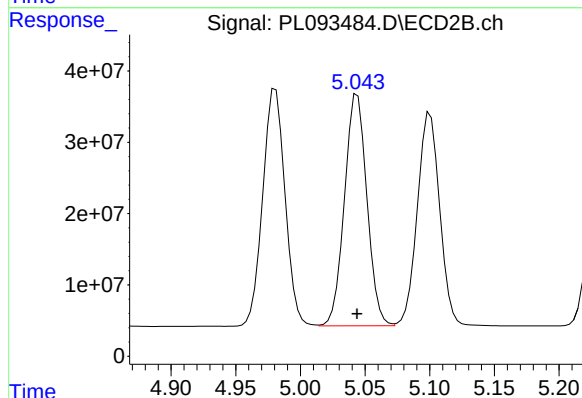
R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 398981086
Conc: 105.23 ng/ml



#11 alpha-Chlordane

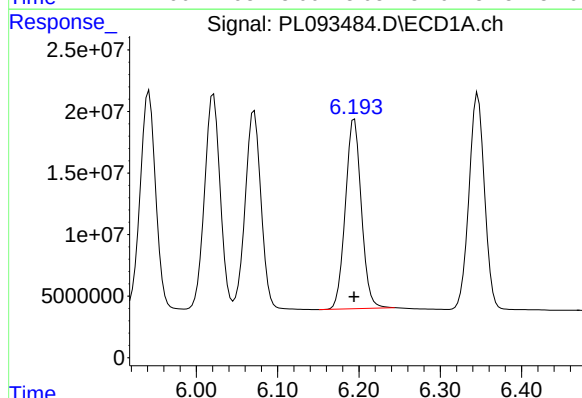
R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 232078808
Conc: 97.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



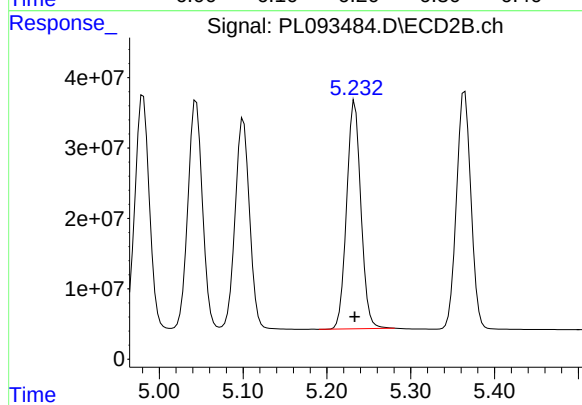
#11 alpha-Chlordane

R.T.: 5.044 min
Delta R.T.: 0.000 min
Response: 391423269
Conc: 104.10 ng/ml



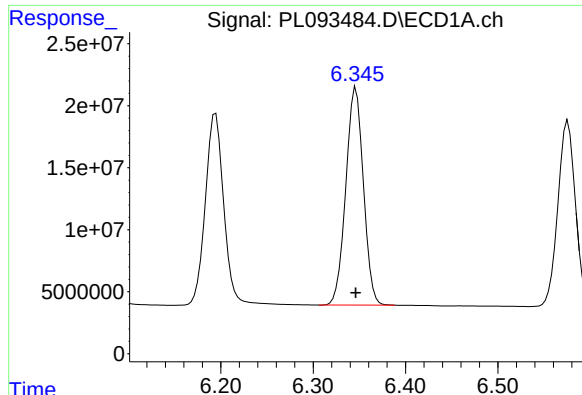
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 209771527
Conc: 97.89 ng/ml



#12 4,4'-DDE

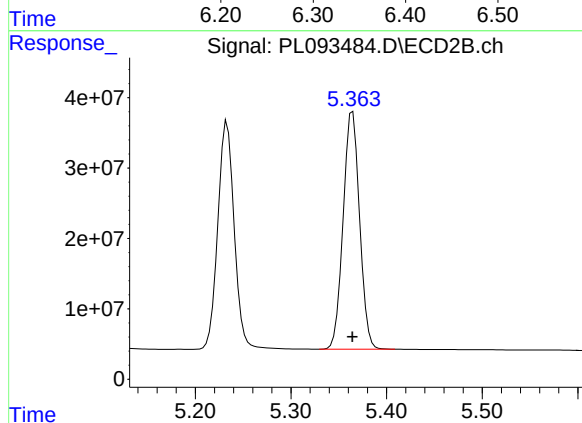
R.T.: 5.233 min
Delta R.T.: 0.000 min
Response: 383265256
Conc: 104.82 ng/ml



#13 Dieldrin

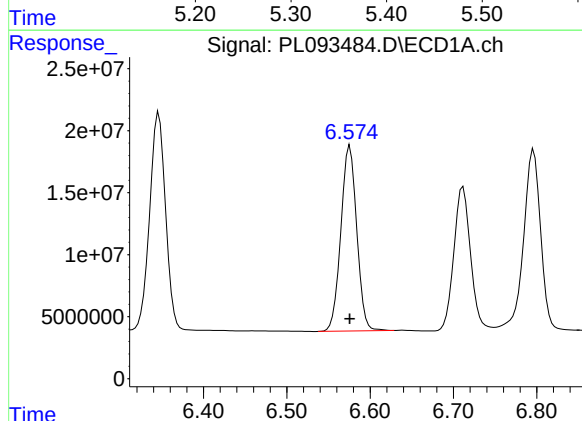
R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 232362652
Conc: 97.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



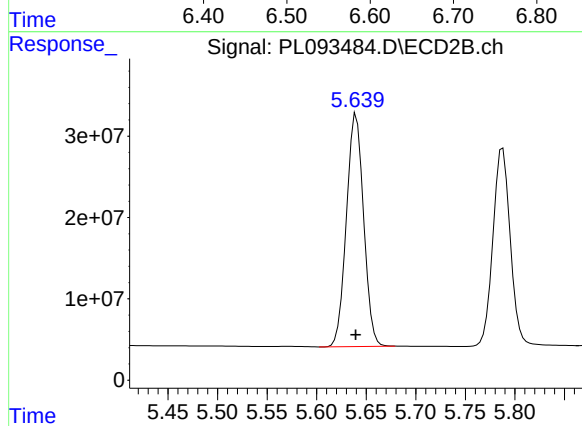
#13 Dieldrin

R.T.: 5.364 min
Delta R.T.: 0.000 min
Response: 404350786
Conc: 105.35 ng/ml



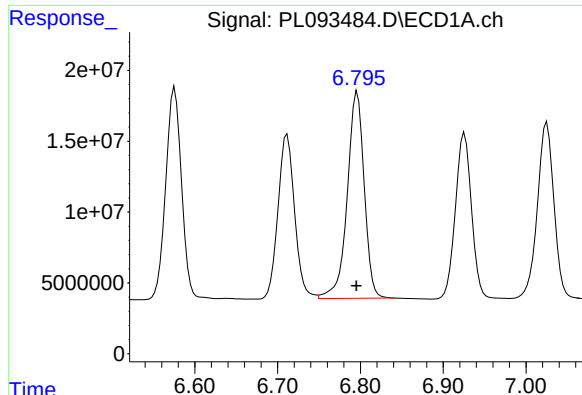
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 198060599
Conc: 96.77 ng/ml



#14 Endrin

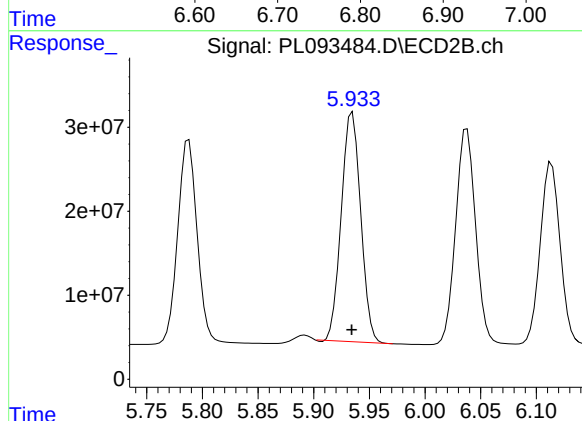
R.T.: 5.640 min
Delta R.T.: 0.000 min
Response: 345701929
Conc: 104.28 ng/ml



#15 Endosulfan II

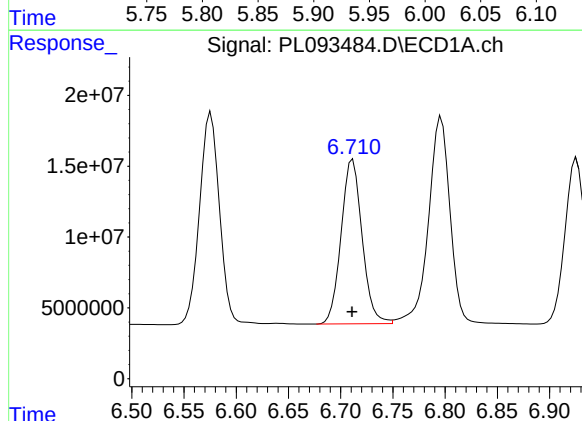
R.T.: 6.796 min
Delta R.T.: 0.000 min
Response: 207944910
Conc: 99.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



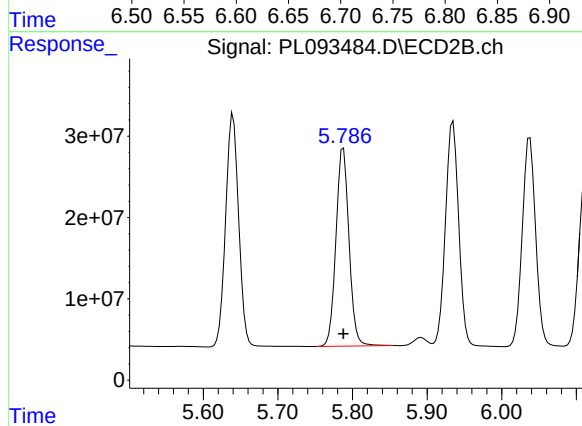
#15 Endosulfan II

R.T.: 5.935 min
Delta R.T.: 0.000 min
Response: 331147363
Conc: 101.74 ng/ml



#16 4,4'-DDD

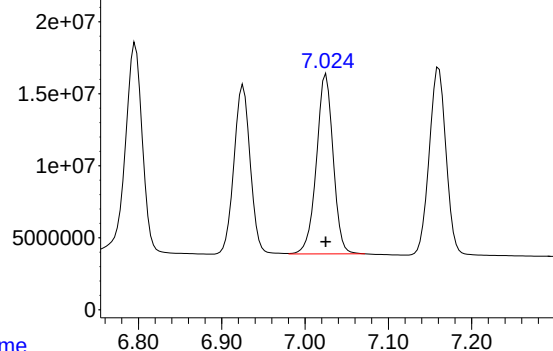
R.T.: 6.712 min
Delta R.T.: 0.000 min
Response: 162194458
Conc: 96.26 ng/ml



#16 4,4'-DDD

R.T.: 5.788 min
Delta R.T.: 0.000 min
Response: 296935893
Conc: 104.86 ng/ml

Response_ Signal: PL093484.D\ECD1A.ch

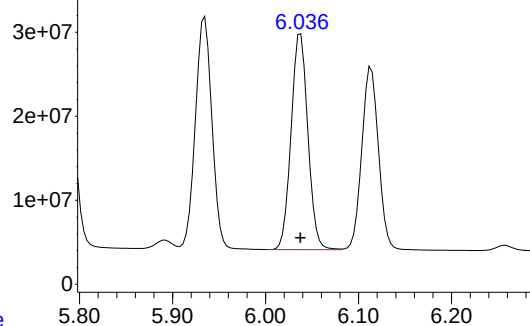


#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.000 min
Response: 173663117
Conc: 97.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

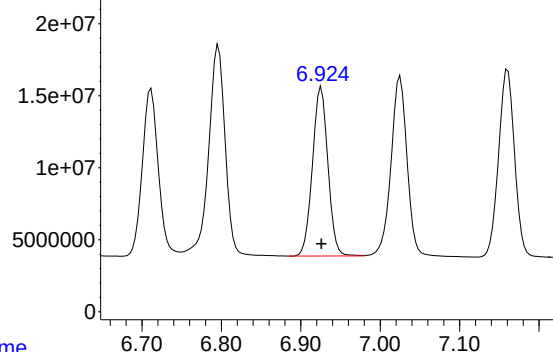
Time Response_ Signal: PL093484.D\ECD2B.ch



#17 4,4'-DDT

R.T.: 6.038 min
Delta R.T.: 0.000 min
Response: 321506168
Conc: 105.77 ng/ml

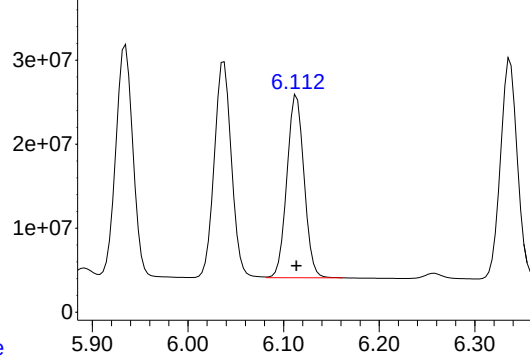
Time Response_ Signal: PL093484.D\ECD1A.ch



#18 Endrin aldehyde

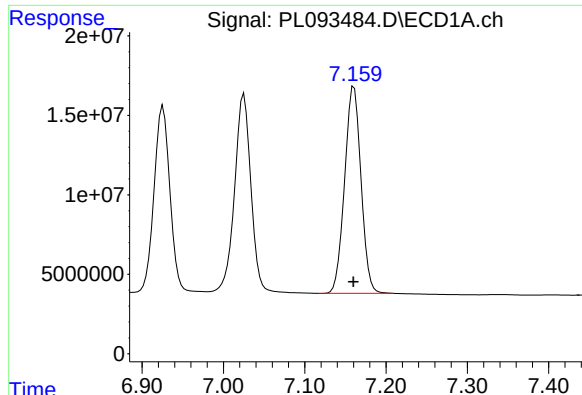
R.T.: 6.926 min
Delta R.T.: 0.000 min
Response: 159058053
Conc: 94.70 ng/ml

Time Response_ Signal: PL093484.D\ECD2B.ch



#18 Endrin aldehyde

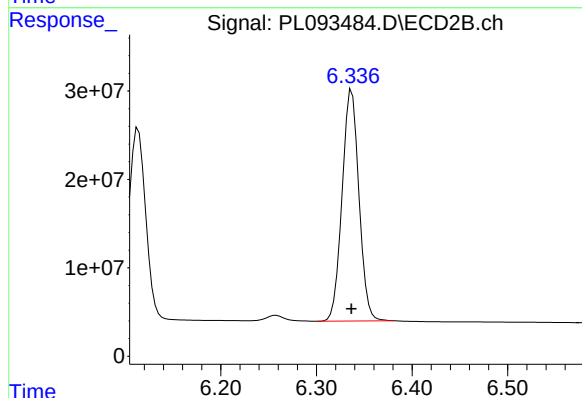
R.T.: 6.114 min
Delta R.T.: 0.000 min
Response: 270787057
Conc: 101.98 ng/ml



#19 Endosulfan Sulfate

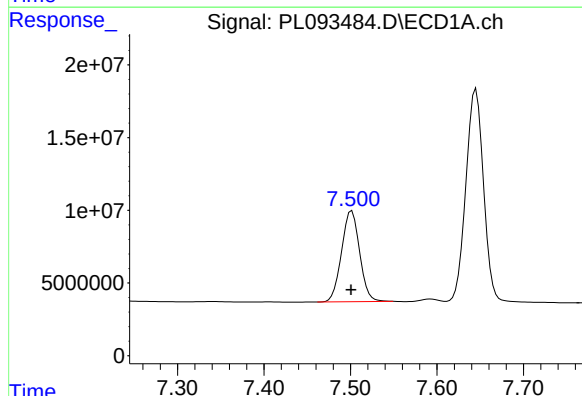
R.T.: 7.161 min
Delta R.T.: 0.000 min
Response: 181916641
Conc: 94.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



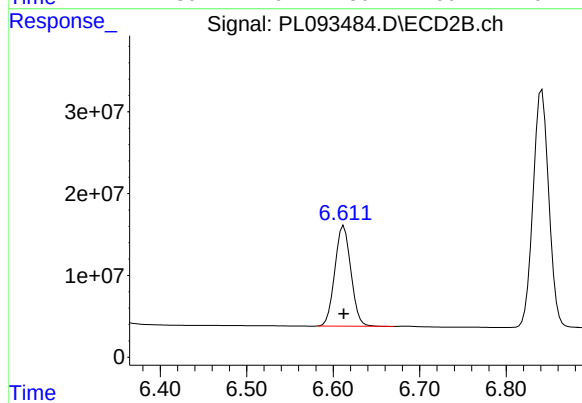
#19 Endosulfan Sulfate

R.T.: 6.337 min
Delta R.T.: 0.000 min
Response: 321608311
Conc: 103.30 ng/ml



#20 Methoxychlor

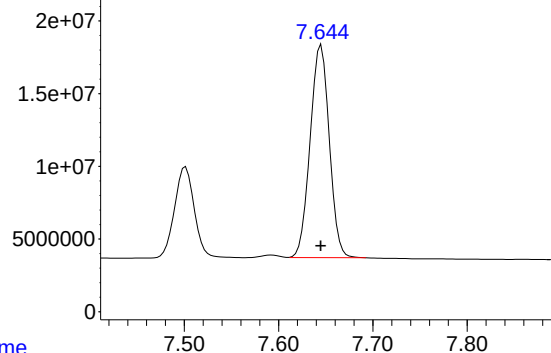
R.T.: 7.502 min
Delta R.T.: 0.001 min
Response: 90229928
Conc: 93.41 ng/ml



#20 Methoxychlor

R.T.: 6.612 min
Delta R.T.: 0.000 min
Response: 157968822
Conc: 99.36 ng/ml

Response_ Signal: PL093484.D\ECD1A.ch

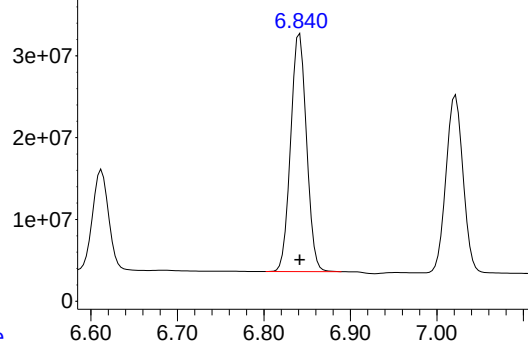


#21 Endrin ketone

R.T.: 7.645 min
Delta R.T.: 0.000 min
Response: 206369767
Conc: 97.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

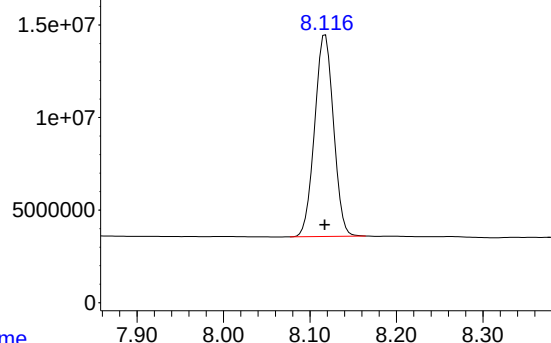
Time Response_ Signal: PL093484.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.841 min
Delta R.T.: 0.000 min
Response: 368065811
Conc: 101.72 ng/ml

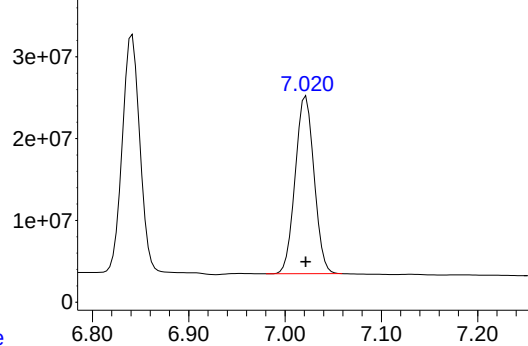
Time Response_ Signal: PL093484.D\ECD1A.ch



#22 Mirex

R.T.: 8.118 min
Delta R.T.: 0.000 min
Response: 164226646
Conc: 93.29 ng/ml

Time Response_ Signal: PL093484.D\ECD2B.ch



#22 Mirex

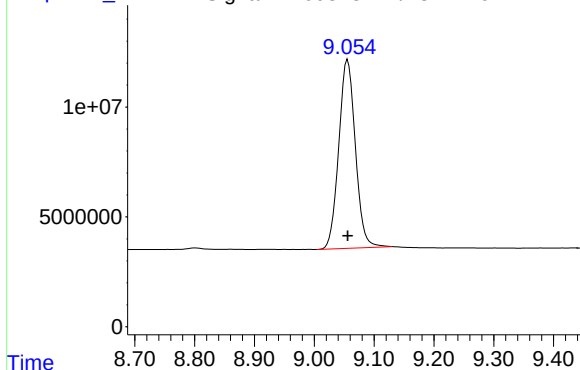
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 294563743
Conc: 99.63 ng/ml

Response_

Signal: PL093484.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 9.056 min
Delta R.T.: 0.000 min
Response: 166126176
Conc: 93.57 ng/ml

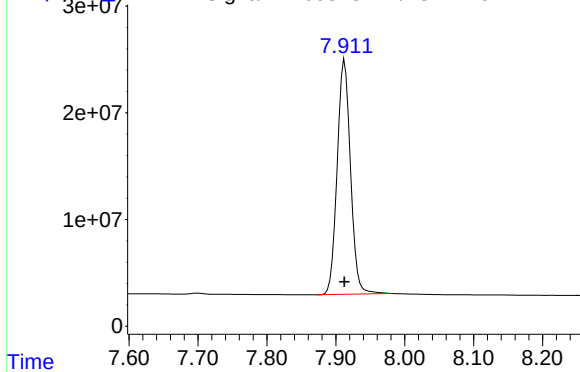
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Time

Response

Signal: PL093484.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.913 min
Delta R.T.: 0.000 min
Response: 295658292
Conc: 102.48 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
 Data File : PL093485.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Dec 2024 13:28
 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: Dec 24 14:23:15 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 14:21:40 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.542	2.778	169.2E6	211.0E6	70.759	72.715
28)	SA Decachlor...	9.056	7.913	123.7E6	211.4E6	69.666	73.268
Target Compounds							
2)	A alpha-BHC	3.997	3.280	240.5E6	329.3E6	71.989	74.748
3)	MA gamma-BHC...	4.330	3.610	228.9E6	317.2E6	71.985	74.442
4)	MA Heptachlor	4.918	3.948	200.3E6	307.3E6	71.464	73.886
5)	MB Aldrin	5.259	4.228	198.3E6	308.0E6	71.584	74.833
6)	B beta-BHC	4.528	3.910	97398960	129.5E6	70.637	72.992
7)	B delta-BHC	4.775	4.138	216.4E6	319.4E6	72.928	74.865
8)	B Heptachlo...	5.686	4.730	177.4E6	277.5E6	70.803	73.834
9)	A Endosulfan I	6.071	5.100	159.0E6	257.1E6	70.785	74.305
10)	B gamma-Chl...	5.942	4.980	171.1E6	283.5E6	71.188	74.781
11)	B alpha-Chl...	6.021	5.044	169.9E6	279.5E6	71.239	74.347
12)	B 4,4'-DDE	6.194	5.233	153.0E6	273.0E6	71.408	74.650
13)	MA Dieldrin	6.346	5.364	169.5E6	287.7E6	71.377	74.947
14)	MA Endrin	6.576	5.640	144.8E6	246.6E6	70.759	74.393
15)	B Endosulfa...	6.796	5.934	147.6E6	242.8E6	70.453	74.603
16)	A 4,4'-DDD	6.712	5.788	120.1E6	213.9E6	71.265	75.542
17)	MA 4,4'-DDT	7.025	6.037	126.6E6	228.1E6	70.983	75.049
18)	B Endrin al...	6.925	6.114	118.7E6	195.8E6	70.698	73.744
19)	B Endosulfa...	7.160	6.336	134.7E6	230.7E6	70.176	74.098
20)	A Methoxychlor	7.501	6.613	67343223	115.4E6	69.714	72.586
21)	B Endrin ke...	7.645	6.841	151.9E6	265.7E6	71.401	73.422
22)	Mirex	8.118	7.022	123.1E6	214.7E6	69.921	72.630

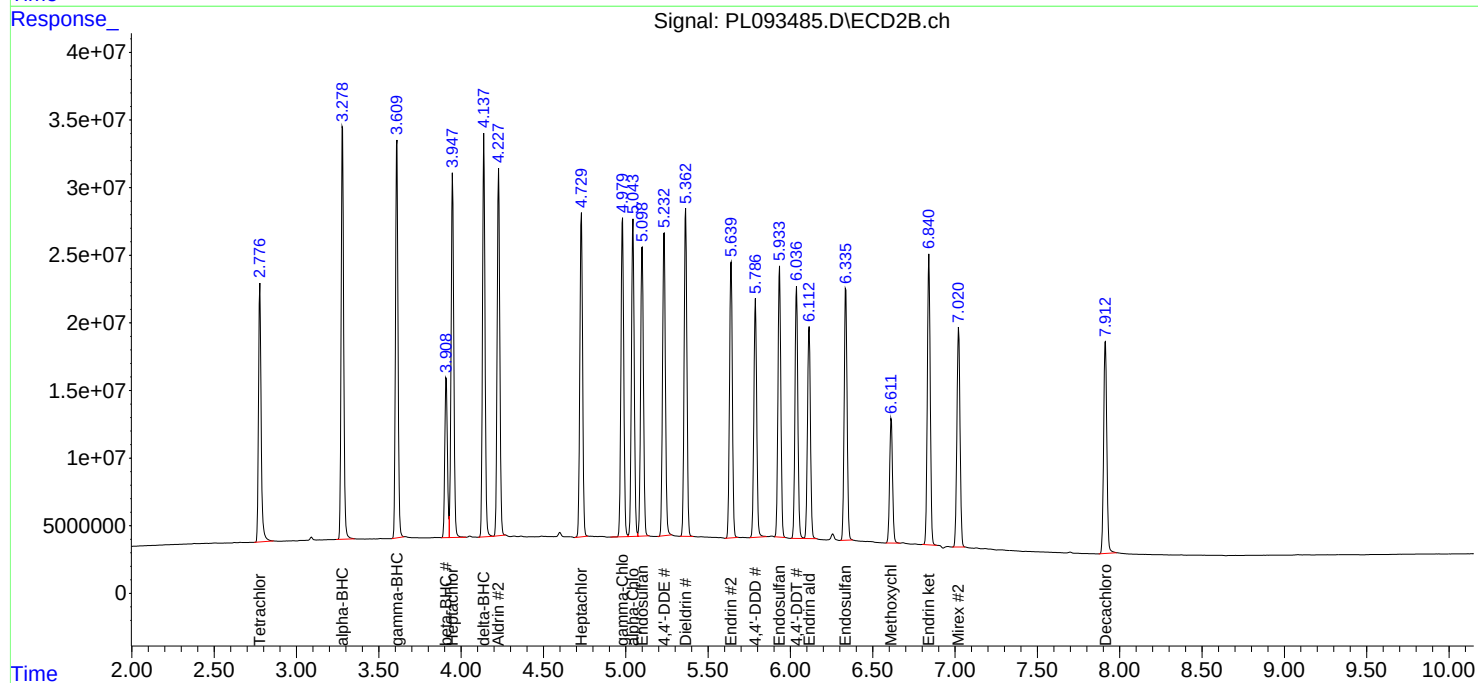
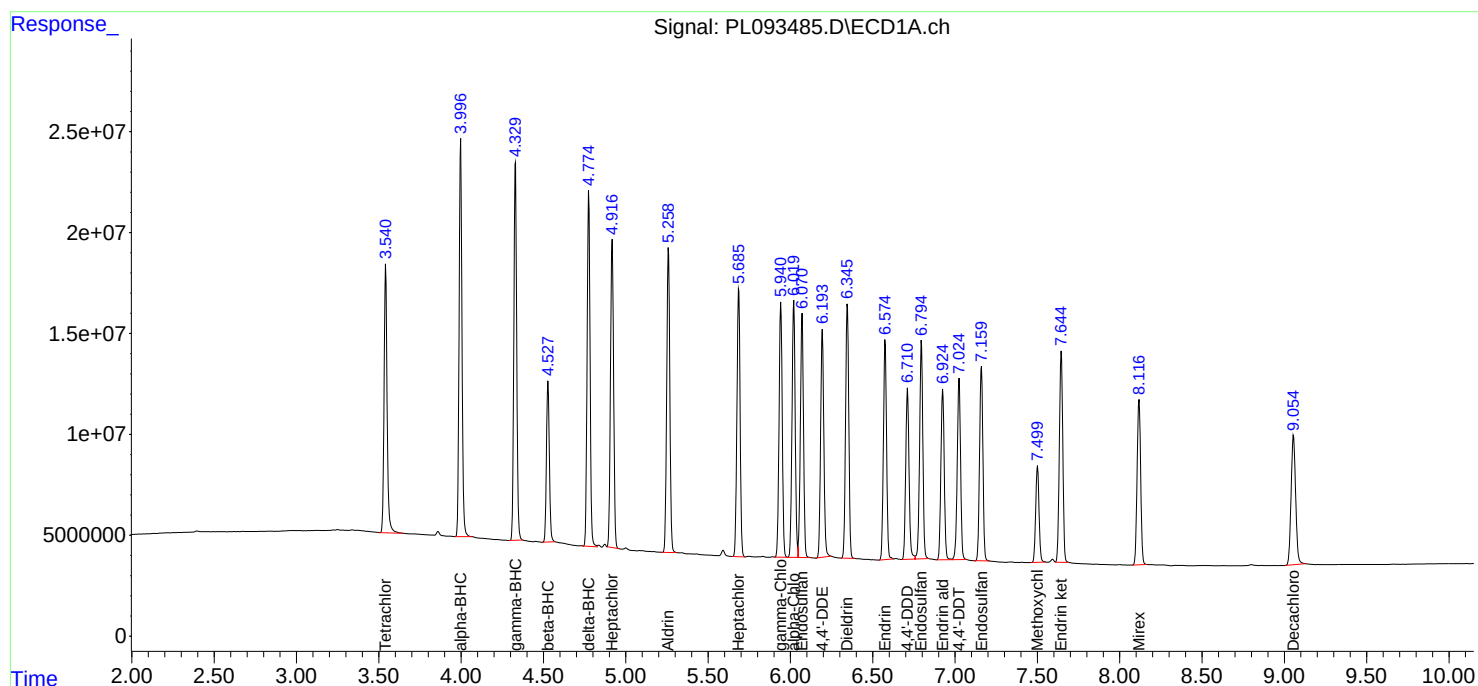
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
Data File : PL093485.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Dec 2024 13:28
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

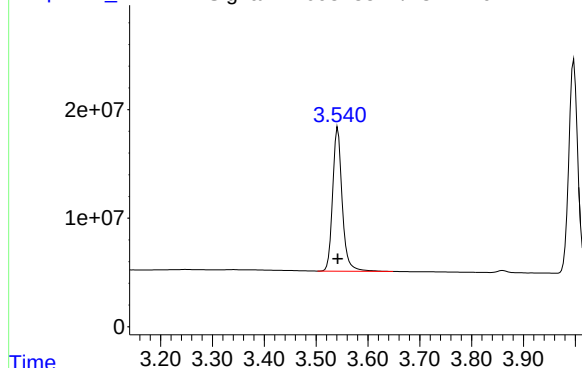
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 24 14:23:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 14:21:40 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: PL093485.D\ECD1A.ch

#1 Tetrachloro-m-xylene

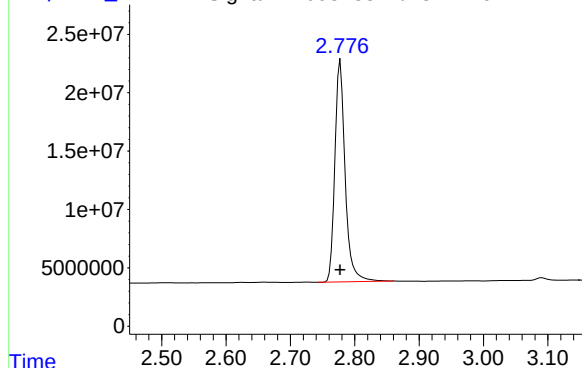


R.T.: 3.542 min
Delta R.T.: 0.000 min
Response: 169221013
Conc: 70.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Signal: PL093485.D\ECD2B.ch

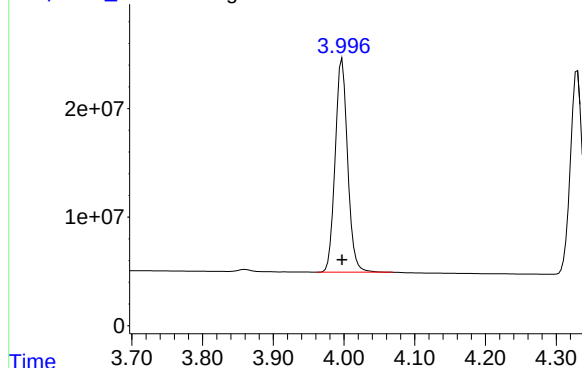
#1 Tetrachloro-m-xylene



R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 211026560
Conc: 72.72 ng/ml

Signal: PL093485.D\ECD1A.ch

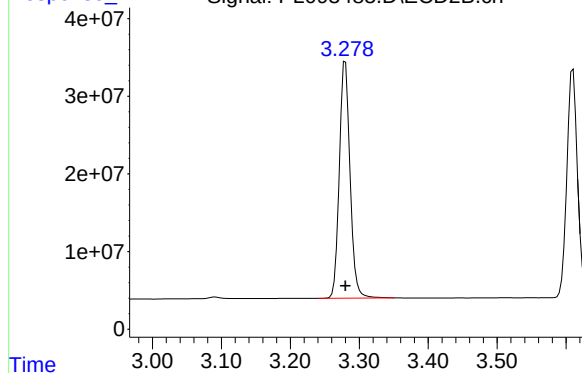
#2 alpha-BHC



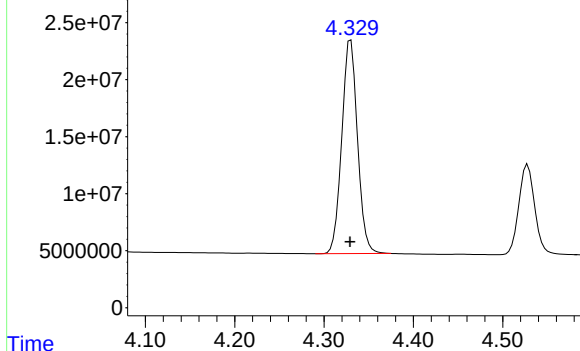
R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 240451845
Conc: 71.99 ng/ml

Signal: PL093485.D\ECD2B.ch

#2 alpha-BHC



R.T.: 3.280 min
Delta R.T.: 0.000 min
Response: 329326235
Conc: 74.75 ng/ml



R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 228921641
Conc: 71.98 ng/ml

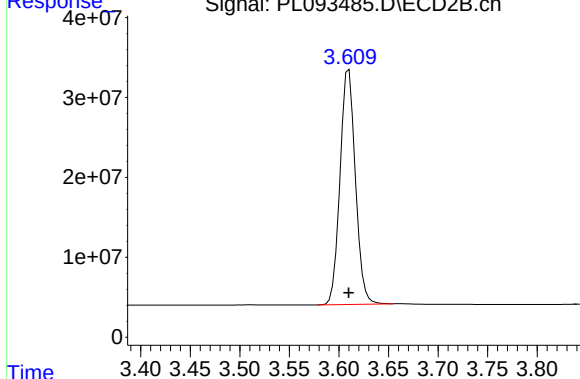
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Time

Response

Signal: PL093485.D\ECD2B.ch

#3 gamma-BHC (Lindane)



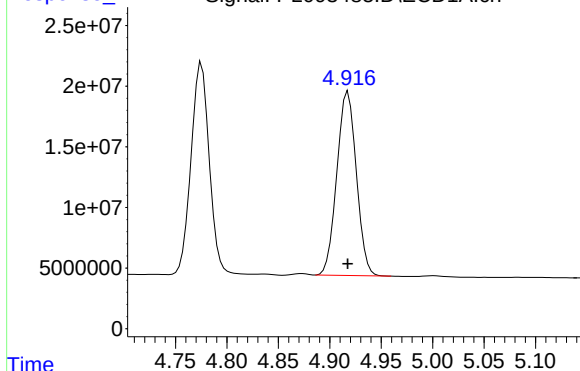
R.T.: 3.610 min
Delta R.T.: 0.000 min
Response: 317156387
Conc: 74.44 ng/ml

Time

Response

Signal: PL093485.D\ECD1A.ch

#4 Heptachlor



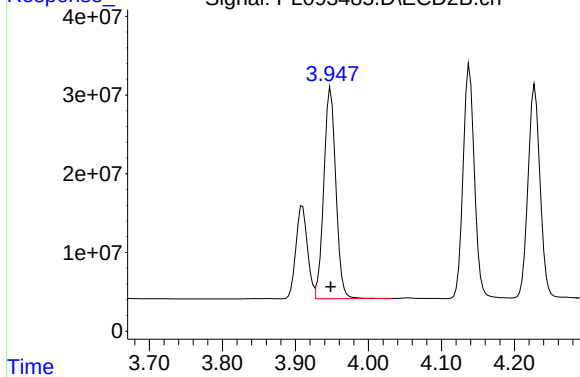
R.T.: 4.918 min
Delta R.T.: 0.000 min
Response: 200259002
Conc: 71.46 ng/ml

Time

Response

Signal: PL093485.D\ECD2B.ch

#4 Heptachlor



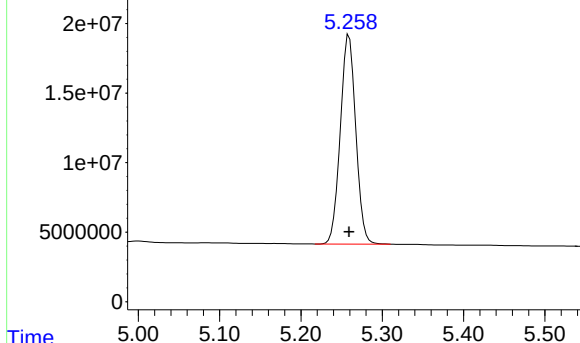
R.T.: 3.948 min
Delta R.T.: 0.000 min
Response: 307331660
Conc: 73.89 ng/ml

Response_

Signal: PL093485.D\ECD1A.ch

#5 Aldrin

ICAL Form



R.T.: 5.259 min
Delta R.T.: 0.000 min
Response: 198323494
Conc: 71.58 ng/ml

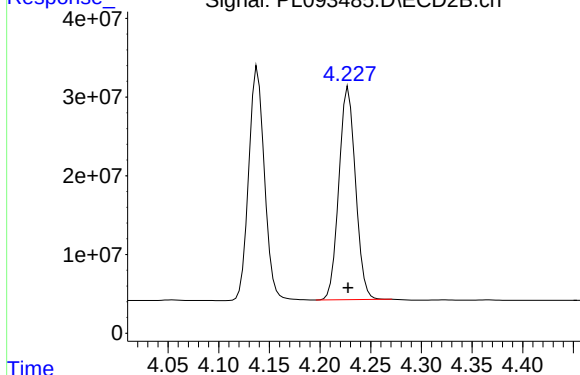
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Time

Response

Signal: PL093485.D\ECD2B.ch

#5 Aldrin



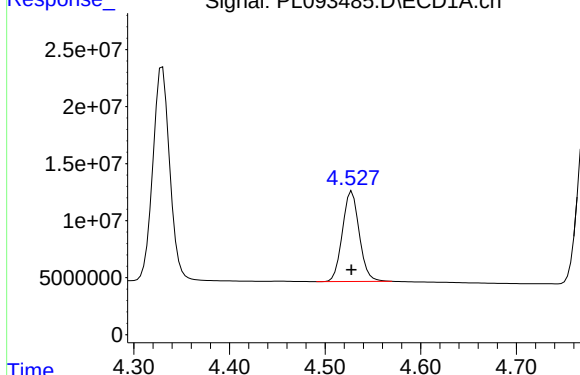
R.T.: 4.228 min
Delta R.T.: 0.000 min
Response: 307973678
Conc: 74.83 ng/ml

Time

Response

Signal: PL093485.D\ECD1A.ch

#6 beta-BHC



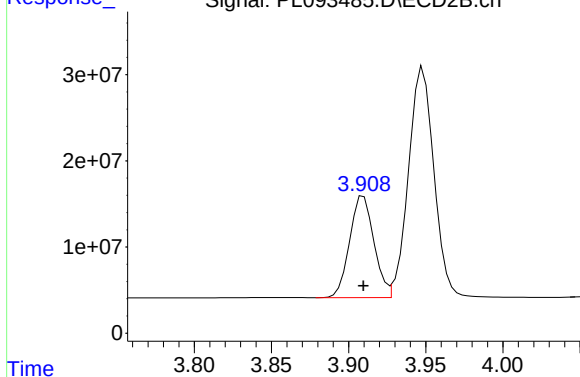
R.T.: 4.528 min
Delta R.T.: 0.000 min
Response: 97398960
Conc: 70.64 ng/ml

Time

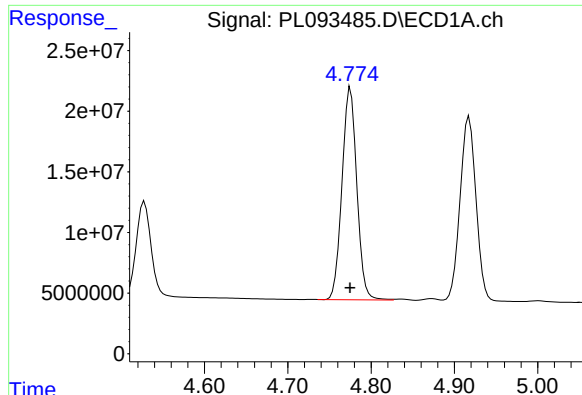
Response

Signal: PL093485.D\ECD2B.ch

#6 beta-BHC



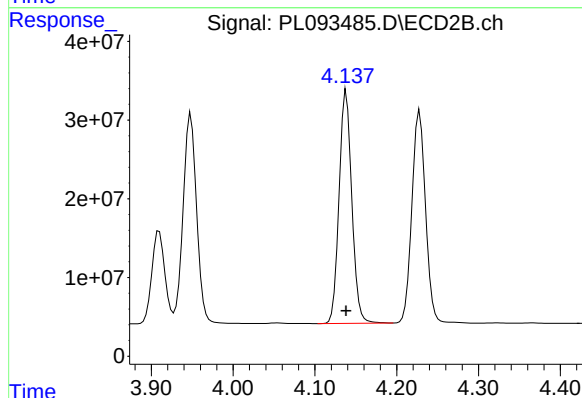
R.T.: 3.910 min
Delta R.T.: 0.000 min
Response: 129492195
Conc: 72.99 ng/ml



#7 delta-BHC

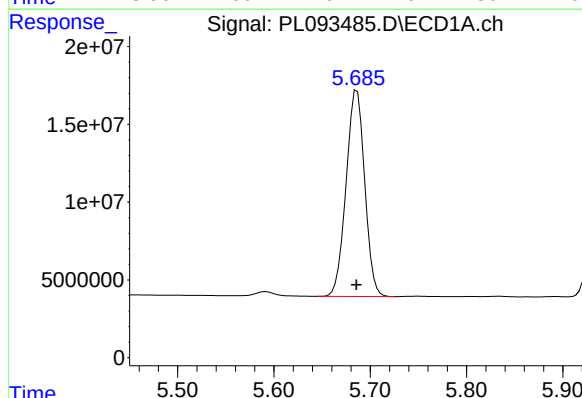
R.T.: 4.775 min
Delta R.T.: 0.000 min
Response: 216435405
Conc: 72.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



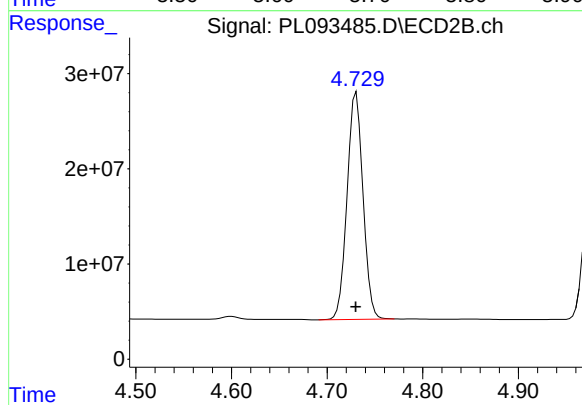
#7 delta-BHC

R.T.: 4.138 min
Delta R.T.: 0.000 min
Response: 319398879
Conc: 74.87 ng/ml



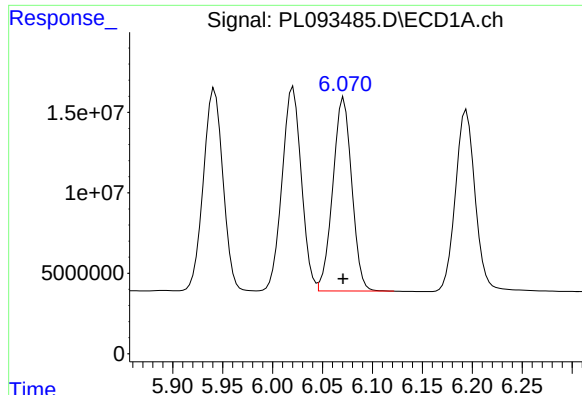
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 177405157
Conc: 70.80 ng/ml



#8 Heptachlor epoxide

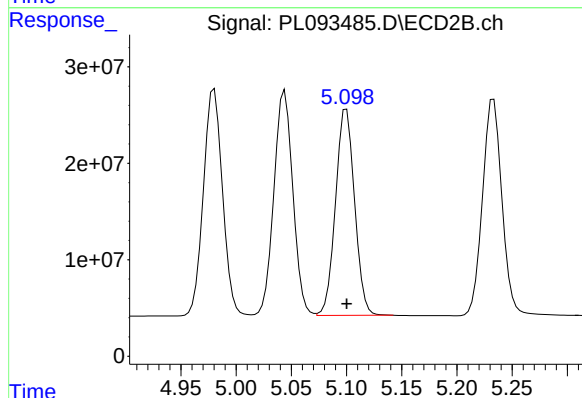
R.T.: 4.730 min
Delta R.T.: 0.000 min
Response: 277460804
Conc: 73.83 ng/ml



#9 Endosulfan I

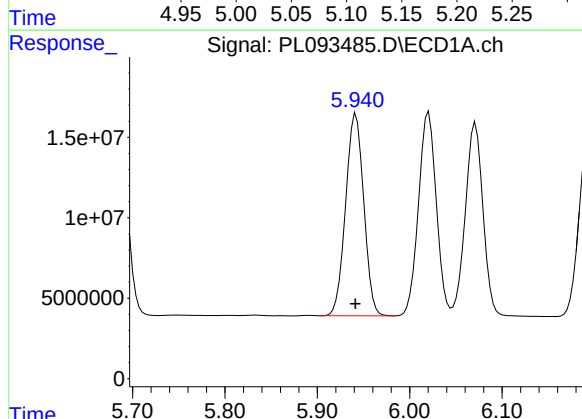
R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 158988831
Conc: 70.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



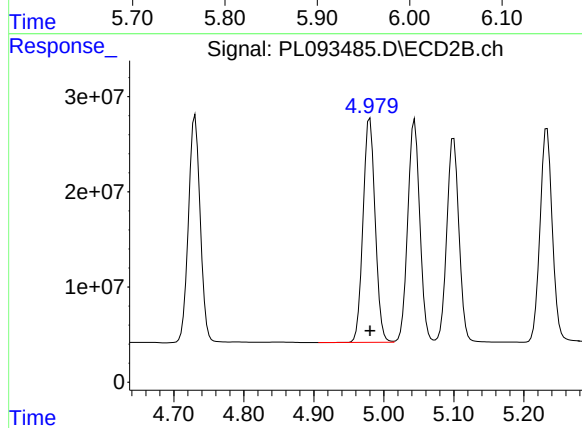
#9 Endosulfan I

R.T.: 5.100 min
Delta R.T.: 0.000 min
Response: 257101991
Conc: 74.31 ng/ml



#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 171088078
Conc: 71.19 ng/ml



#10 gamma-Chlordane

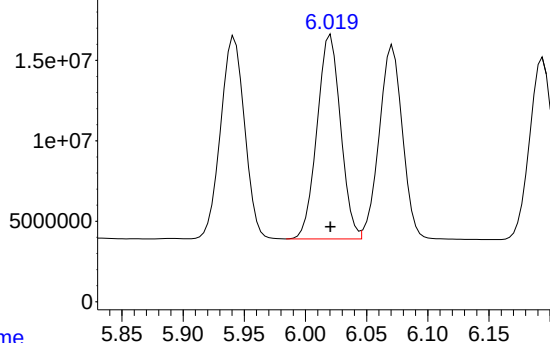
R.T.: 4.980 min
Delta R.T.: 0.000 min
Response: 283522399
Conc: 74.78 ng/ml

Response_

Signal: PL093485.D\ECD1A.ch

#11 alpha-Chlordane

ICAL Form



R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 169868686
Conc: 71.24 ng/ml

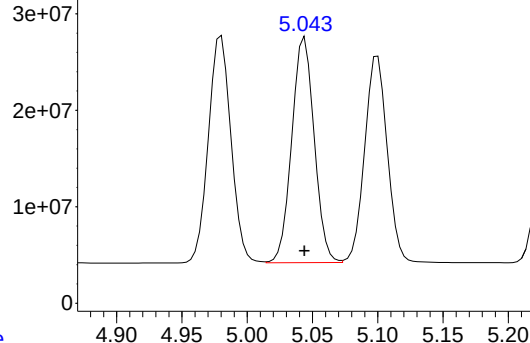
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PL093485.D\ECD2B.ch

#11 alpha-Chlordane



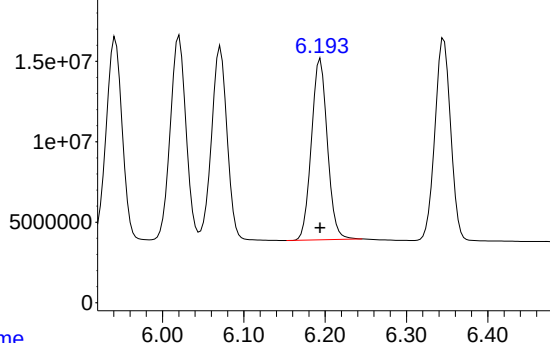
R.T.: 5.044 min
Delta R.T.: 0.000 min
Response: 279542157
Conc: 74.35 ng/ml

Time

Response_

Signal: PL093485.D\ECD1A.ch

#12 4,4'-DDE



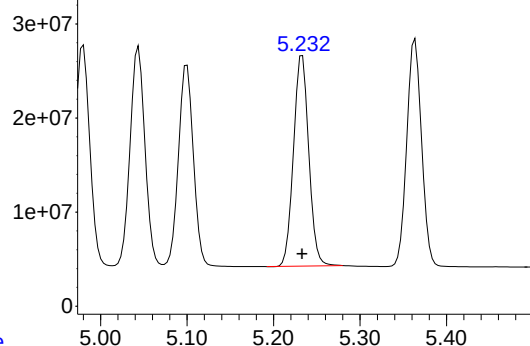
R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 153027029
Conc: 71.41 ng/ml

Time

Response_

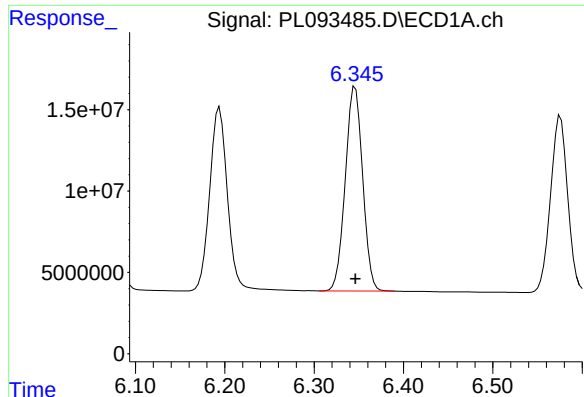
Signal: PL093485.D\ECD2B.ch

#12 4,4'-DDE



R.T.: 5.233 min
Delta R.T.: 0.000 min
Response: 272956605
Conc: 74.65 ng/ml

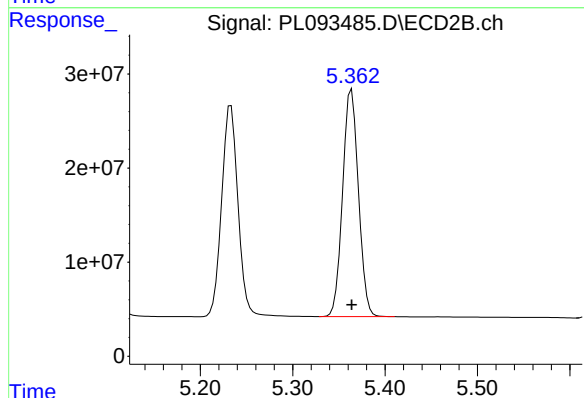
Time



#13 Dieldrin

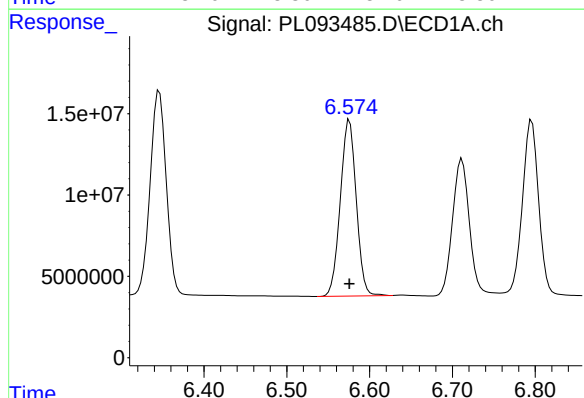
R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 169489979
Conc: 71.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



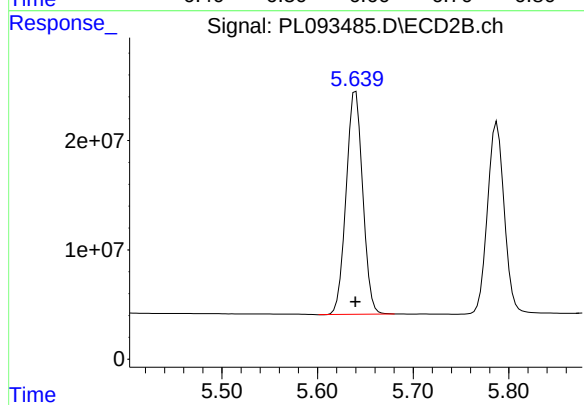
#13 Dieldrin

R.T.: 5.364 min
Delta R.T.: 0.000 min
Response: 287670669
Conc: 74.95 ng/ml



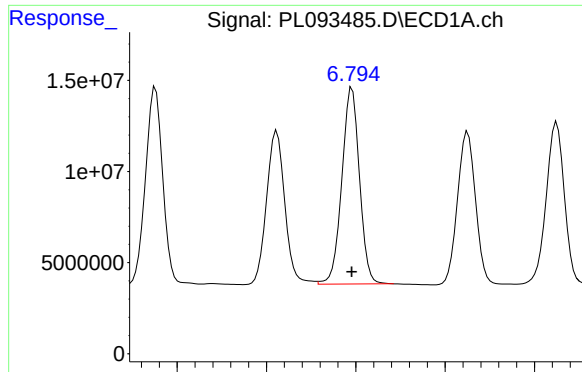
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 144823949
Conc: 70.76 ng/ml



#14 Endrin

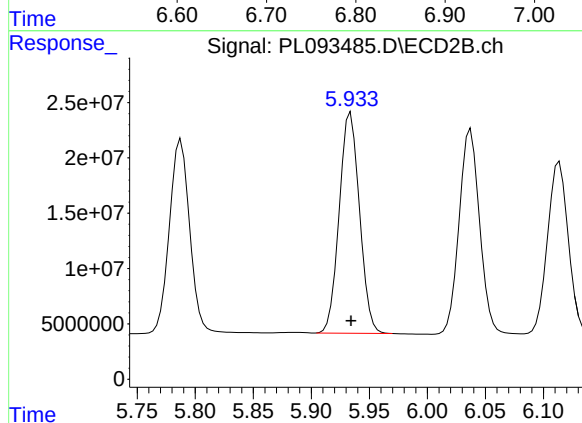
R.T.: 5.640 min
Delta R.T.: 0.000 min
Response: 246620259
Conc: 74.39 ng/ml



#15 Endosulfan II

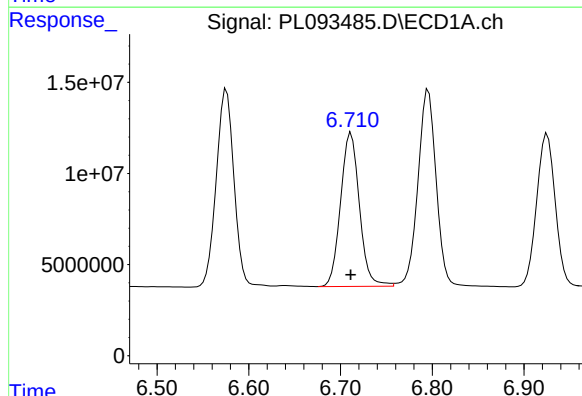
R.T.: 6.796 min
Delta R.T.: 0.000 min
Response: 147596172
Conc: 70.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



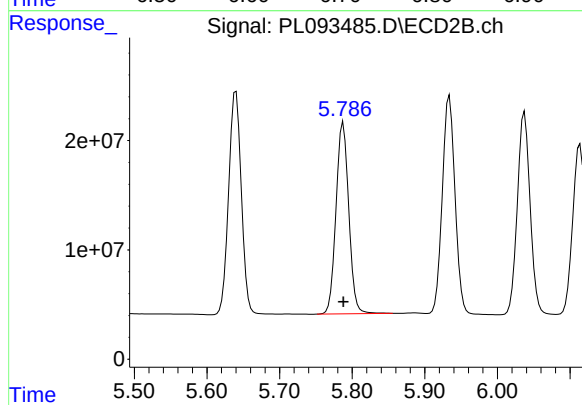
#15 Endosulfan II

R.T.: 5.934 min
Delta R.T.: 0.000 min
Response: 242824684
Conc: 74.60 ng/ml



#16 4,4'-DDD

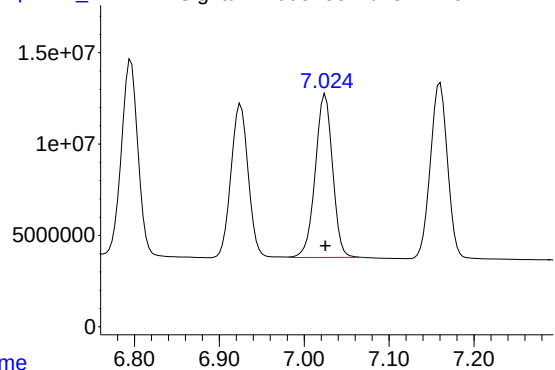
R.T.: 6.712 min
Delta R.T.: 0.000 min
Response: 120082614
Conc: 71.26 ng/ml



#16 4,4'-DDD

R.T.: 5.788 min
Delta R.T.: 0.000 min
Response: 213910374
Conc: 75.54 ng/ml

Response_ Signal: PL093485.D\ECD1A.ch

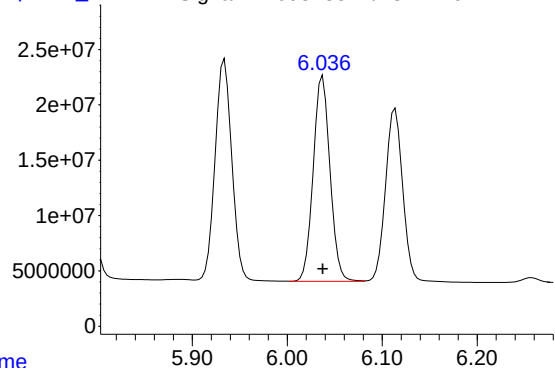


#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.000 min
Response: 126641091
Conc: 70.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

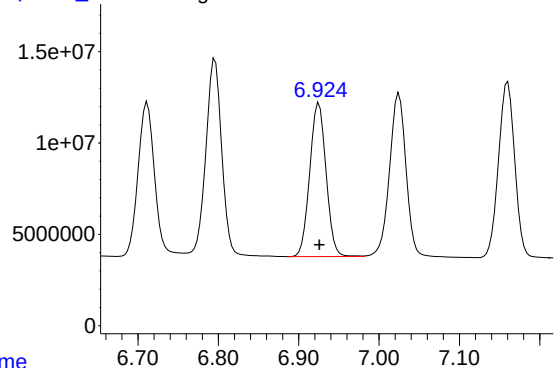
Time Response_ Signal: PL093485.D\ECD2B.ch



#17 4,4'-DDT

R.T.: 6.037 min
Delta R.T.: 0.000 min
Response: 228136490
Conc: 75.05 ng/ml

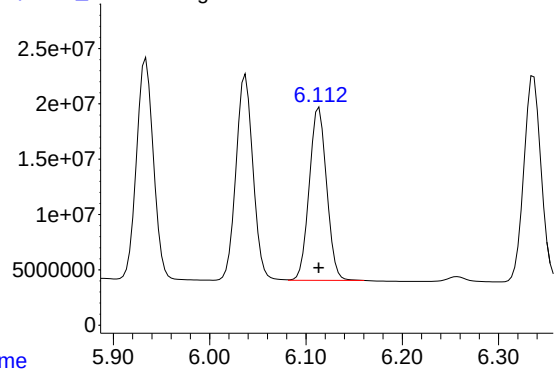
Time Response_ Signal: PL093485.D\ECD1A.ch



#18 Endrin aldehyde

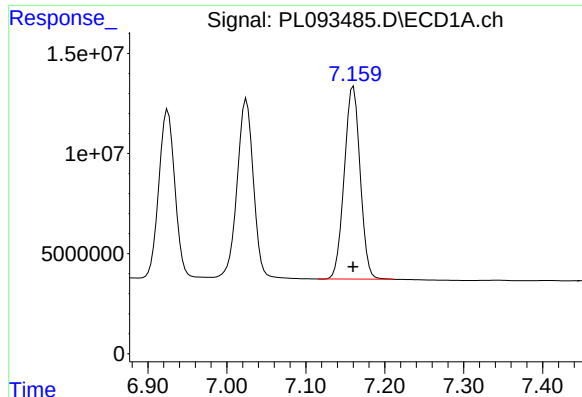
R.T.: 6.925 min
Delta R.T.: 0.000 min
Response: 118748998
Conc: 70.70 ng/ml

Time Response_ Signal: PL093485.D\ECD2B.ch



#18 Endrin aldehyde

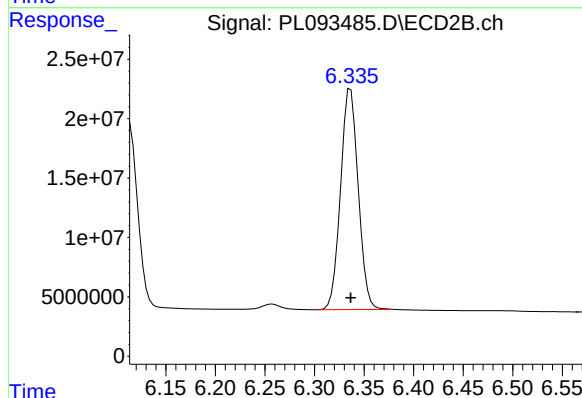
R.T.: 6.114 min
Delta R.T.: 0.000 min
Response: 195810731
Conc: 73.74 ng/ml



#19 Endosulfan Sulfate

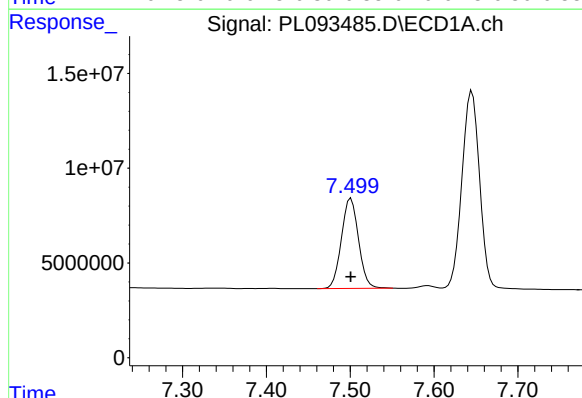
R.T.: 7.160 min
Delta R.T.: 0.000 min
Response: 134701031
Conc: 70.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



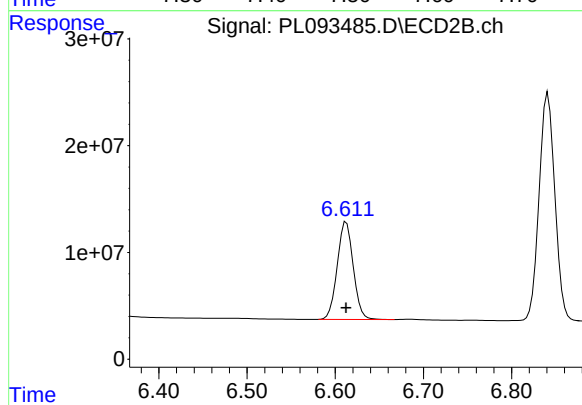
#19 Endosulfan Sulfate

R.T.: 6.336 min
Delta R.T.: 0.000 min
Response: 230700558
Conc: 74.10 ng/ml



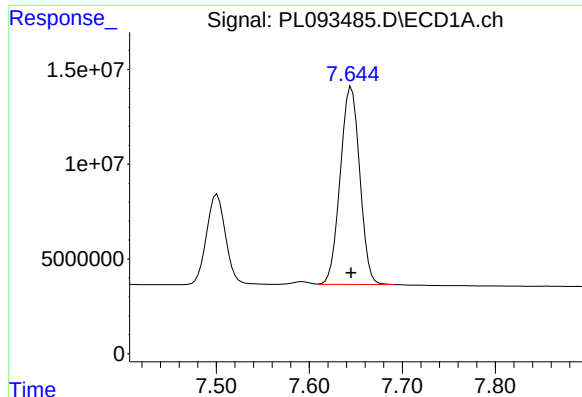
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 67343223
Conc: 69.71 ng/ml



#20 Methoxychlor

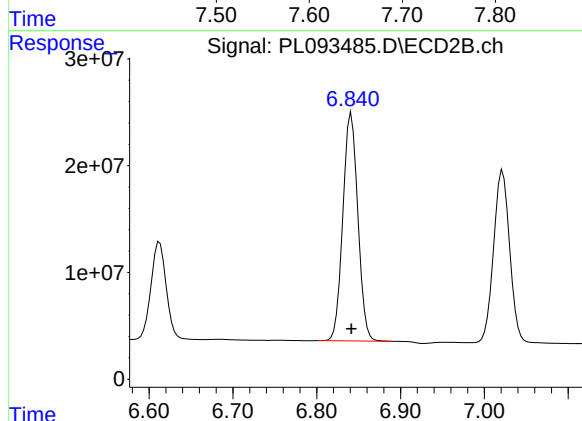
R.T.: 6.613 min
Delta R.T.: 0.000 min
Response: 115403373
Conc: 72.59 ng/ml



#21 Endrin ketone

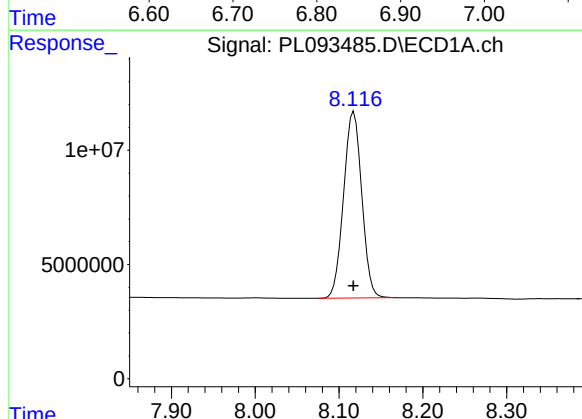
R.T.: 7.645 min
Delta R.T.: 0.000 min
Response: 151910252
Conc: 71.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



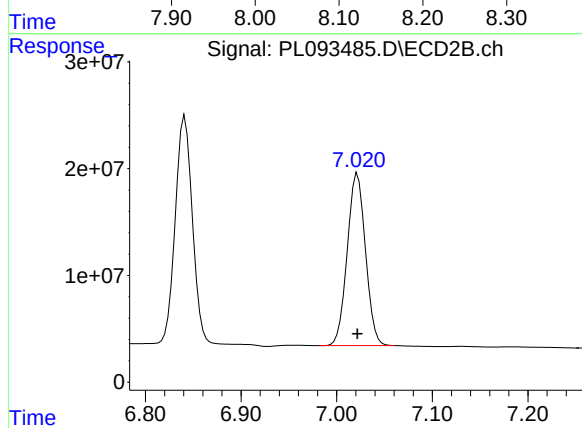
#21 Endrin ketone

R.T.: 6.841 min
Delta R.T.: 0.000 min
Response: 265675183
Conc: 73.42 ng/ml



#22 Mirex

R.T.: 8.118 min
Delta R.T.: 0.000 min
Response: 123086210
Conc: 69.92 ng/ml



#22 Mirex

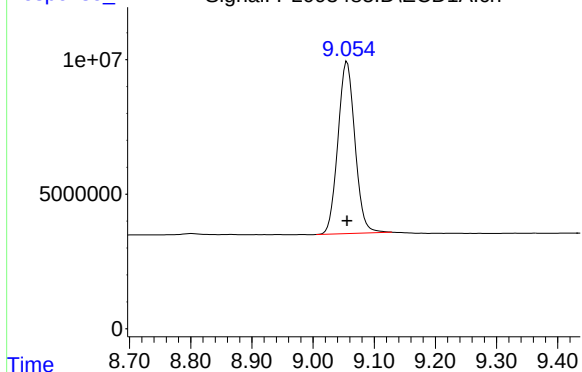
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 214738698
Conc: 72.63 ng/ml

Response_

Signal: PL093485.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



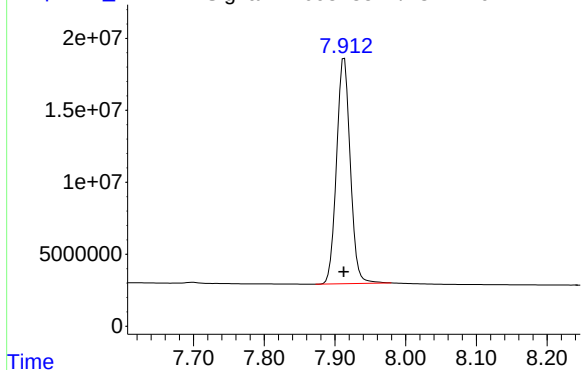
R.T.: 9.056 min
Delta R.T.: 0.000 min
Response: 123687855
Conc: 69.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Response_

Signal: PL093485.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.913 min
Delta R.T.: 0.000 min
Response: 211385200
Conc: 73.27 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
 Data File : PL093486.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Dec 2024 13:42
 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: Dec 24 14:23:28 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 14:21:40 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.542	2.777	119.6E6	145.1E6	50.000	50.000
28)	SA Decachlor...	9.056	7.912	88772027	144.3E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	3.997	3.280	167.0E6	220.3E6	50.000	50.000
3)	MA gamma-BHC...	4.329	3.610	159.0E6	213.0E6	50.000	50.000
4)	MA Heptachlor	4.918	3.948	140.1E6	208.0E6	50.000	50.000
5)	MB Aldrin	5.259	4.228	138.5E6	205.8E6	50.000	50.000
6)	B beta-BHC	4.527	3.910	68943751	88703394	50.000	50.000
7)	B delta-BHC	4.775	4.138	148.4E6	213.3E6	50.000	50.000
8)	B Heptachlo...	5.686	4.730	125.3E6	187.9E6	50.000	50.000
9)	A Endosulfan I	6.071	5.100	112.3E6	173.0E6	50.000	50.000
10)	B gamma-Chl...	5.941	4.980	120.2E6	189.6E6	50.000	50.000
11)	B alpha-Chl...	6.020	5.044	119.2E6	188.0E6	50.000	50.000
12)	B 4,4'-DDE	6.194	5.233	107.1E6	182.8E6	50.000	50.000
13)	MA Dieldrin	6.346	5.364	118.7E6	191.9E6	50.000	50.000
14)	MA Endrin	6.575	5.640	102.3E6	165.8E6	50.000	50.000
15)	B Endosulfa...	6.795	5.934	104.7E6	162.7E6	50.000	50.000
16)	A 4,4'-DDD	6.711	5.788	84251133	141.6E6	50.000	50.000
17)	MA 4,4'-DDT	7.025	6.037	89205651	152.0E6	50.000	50.000
18)	B Endrin al...	6.926	6.113	83983177	132.8E6	50.000	50.000
19)	B Endosulfa...	7.160	6.337	95974066	155.7E6	50.000	50.000
20)	A Methoxychlor	7.500	6.612	48299350	79493908	50.000	50.000
21)	B Endrin ke...	7.645	6.842	106.4E6	180.9E6	50.000	50.000
22)	Mirex	8.117	7.022	88017913	147.8E6	50.000	50.000

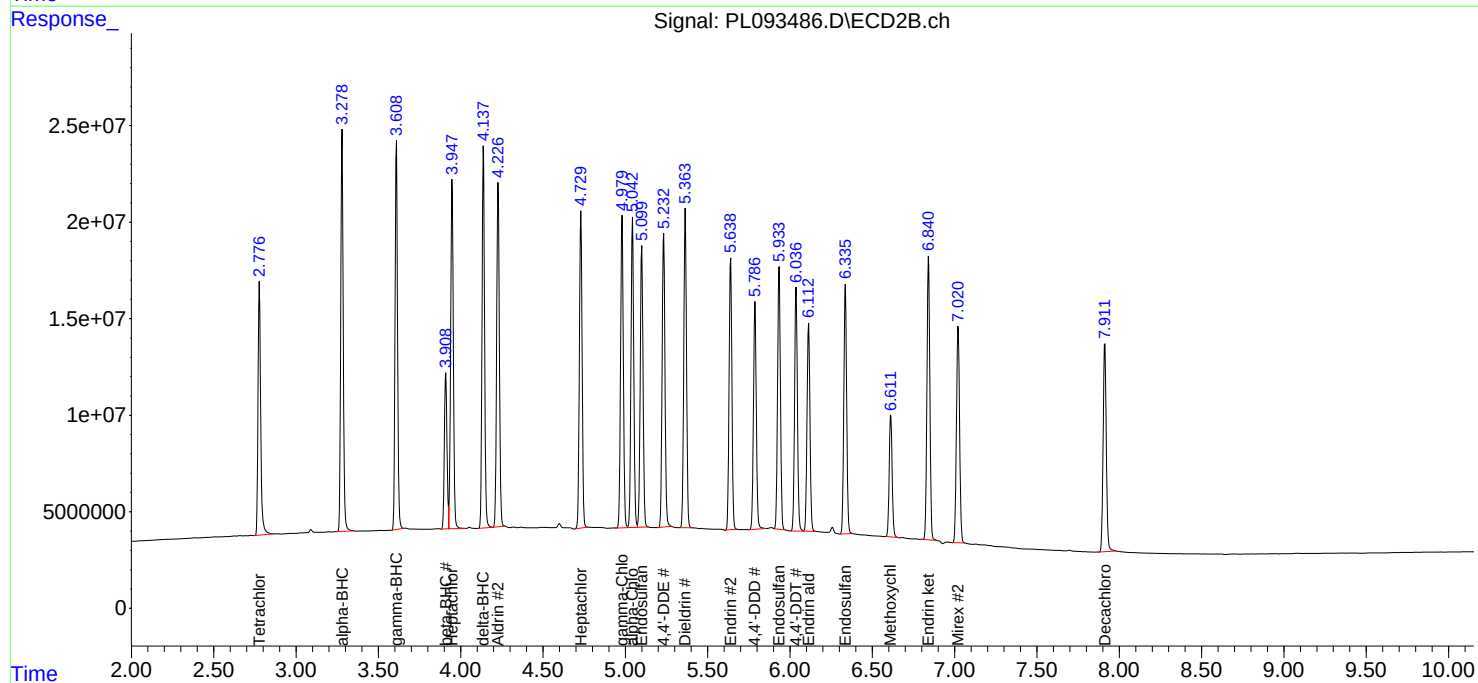
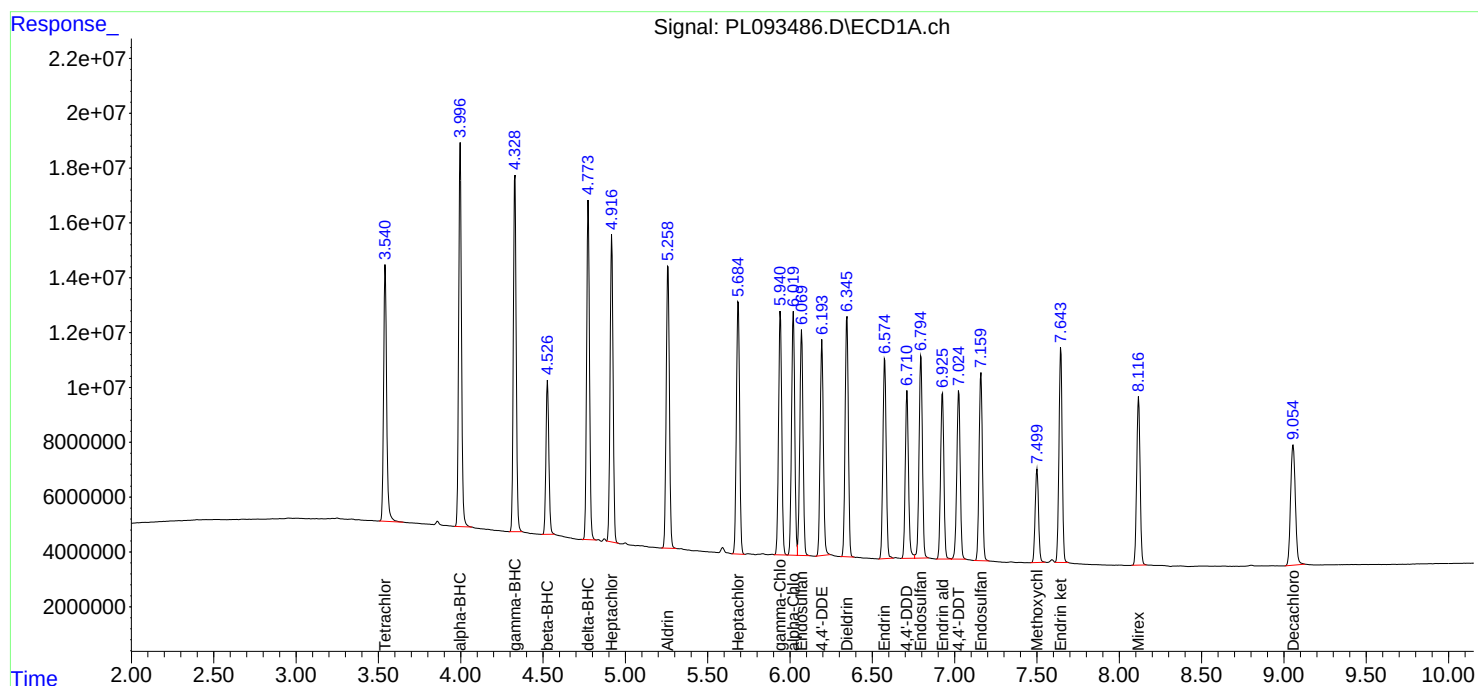
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

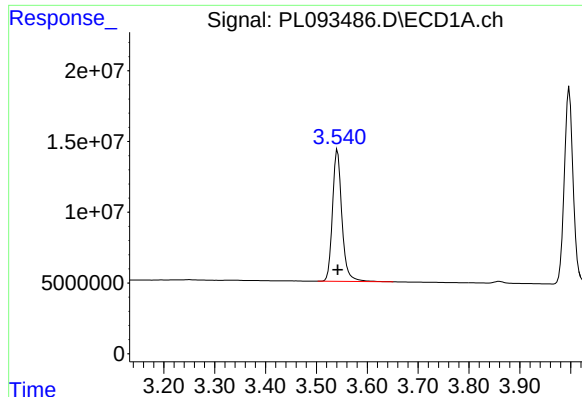
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
Data File : PL093486.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Dec 2024 13:42
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 24 14:23:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 14:21:40 2024
Response via : Initial Calibration
Integrator: ChemStation

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

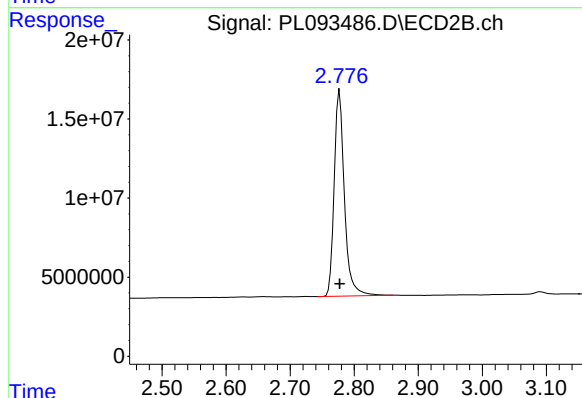




#1 Tetrachloro-m-xylene

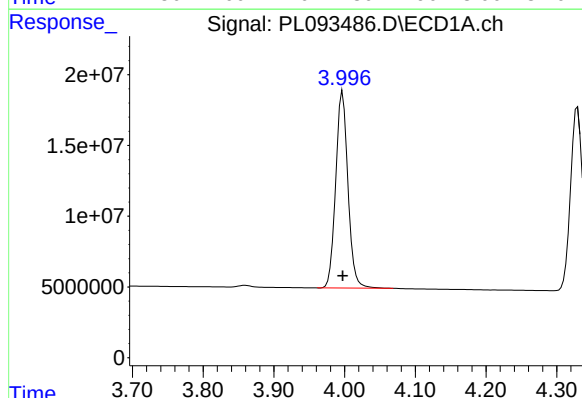
R.T.: 3.542 min
Delta R.T.: 0.000 min
Response: 119576061
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



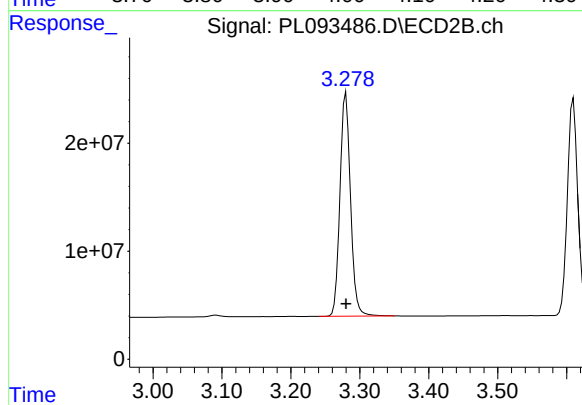
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 145104840
Conc: 50.00 ng/ml



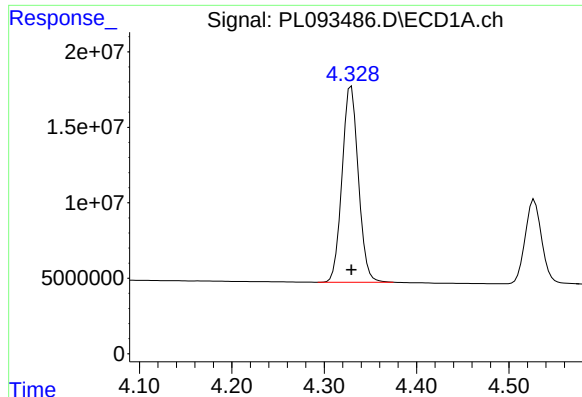
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 167005561
Conc: 50.00 ng/ml



#2 alpha-BHC

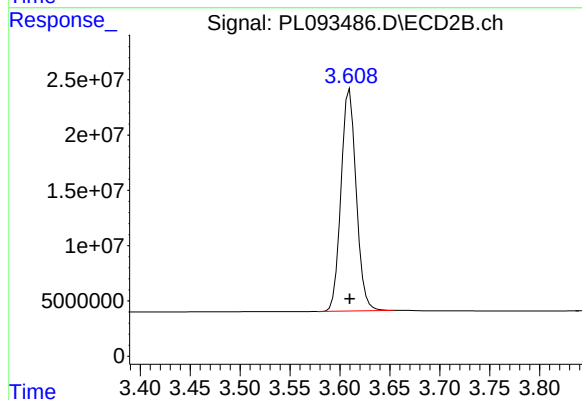
R.T.: 3.280 min
Delta R.T.: 0.000 min
Response: 220291663
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

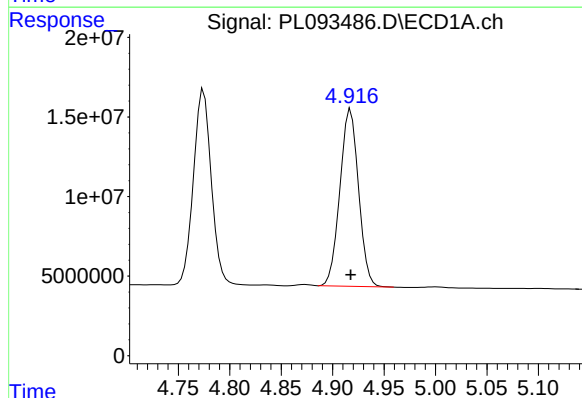
R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 159007539
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



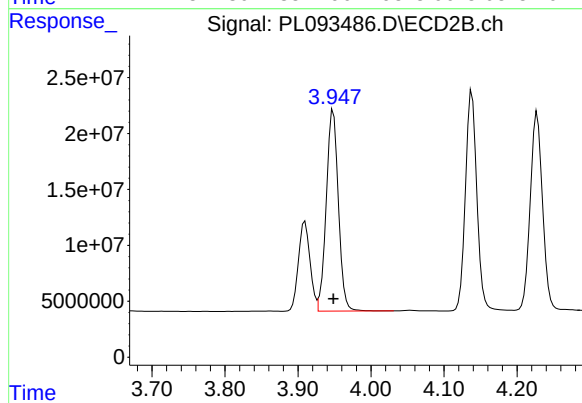
#3 gamma-BHC (Lindane)

R.T.: 3.610 min
Delta R.T.: 0.000 min
Response: 213023392
Conc: 50.00 ng/ml



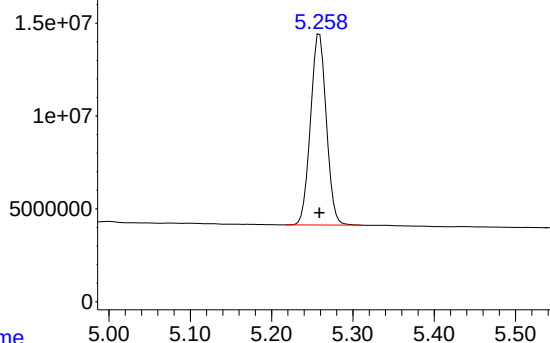
#4 Heptachlor

R.T.: 4.918 min
Delta R.T.: 0.000 min
Response: 140111254
Conc: 50.00 ng/ml



#4 Heptachlor

R.T.: 3.948 min
Delta R.T.: 0.000 min
Response: 207975775
Conc: 50.00 ng/ml



R.T.: 5.259 min
Delta R.T.: 0.000 min
Response: 138524466
Conc: 50.00 ng/ml

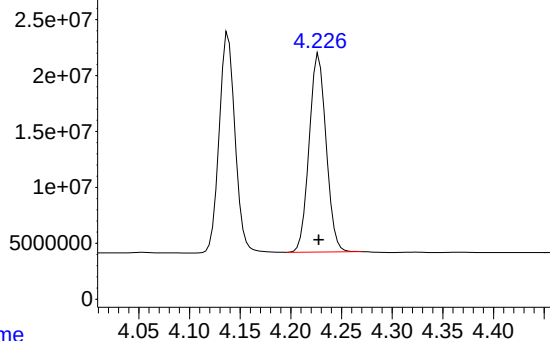
Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Time

Response_

Signal: PL093486.D\ECD2B.ch

#5 Aldrin



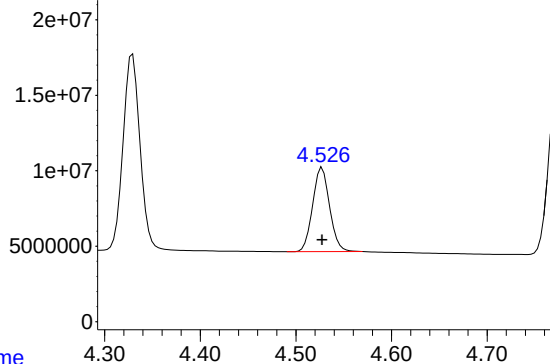
R.T.: 4.228 min
Delta R.T.: 0.000 min
Response: 205773118
Conc: 50.00 ng/ml

Time

Response_

Signal: PL093486.D\ECD1A.ch

#6 beta-BHC



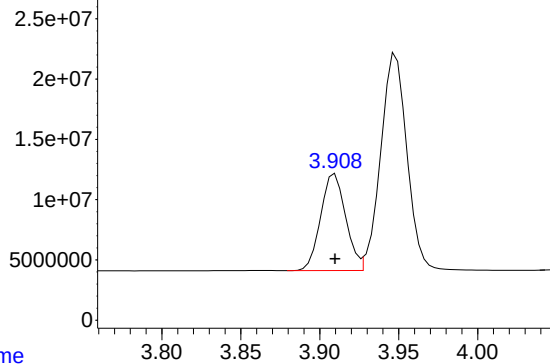
R.T.: 4.527 min
Delta R.T.: 0.000 min
Response: 68943751
Conc: 50.00 ng/ml

Time

Response_

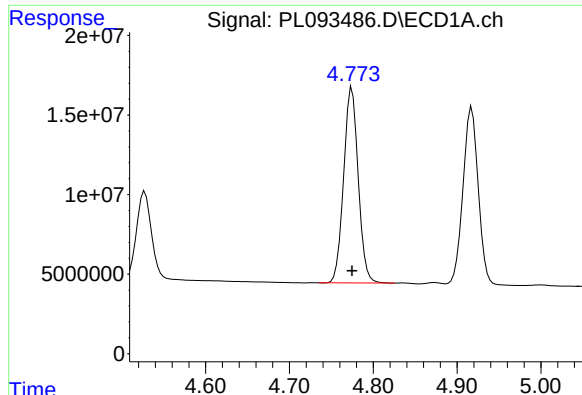
Signal: PL093486.D\ECD2B.ch

#6 beta-BHC



R.T.: 3.910 min
Delta R.T.: 0.000 min
Response: 88703394
Conc: 50.00 ng/ml

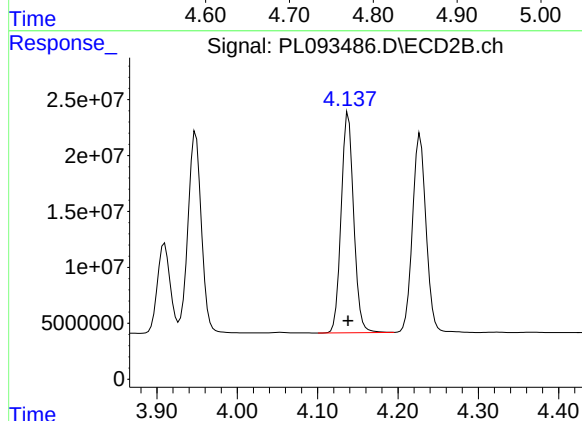
Time



#7 delta-BHC

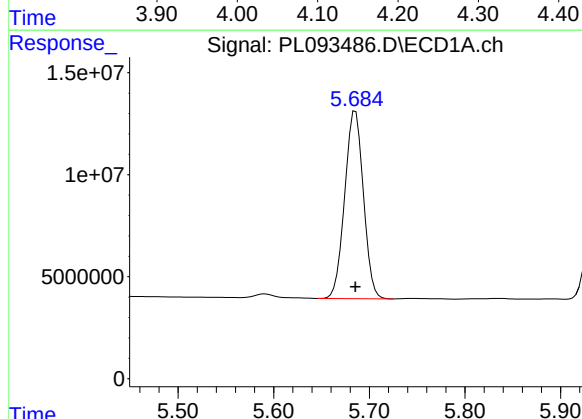
R.T.: 4.775 min
Delta R.T.: 0.000 min
Response: 148390575
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



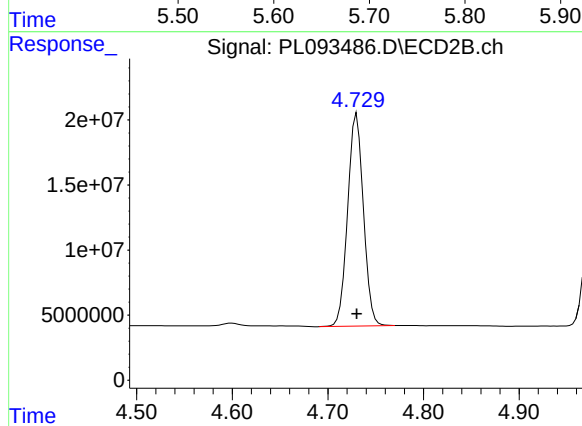
#7 delta-BHC

R.T.: 4.138 min
Delta R.T.: 0.000 min
Response: 213315422
Conc: 50.00 ng/ml



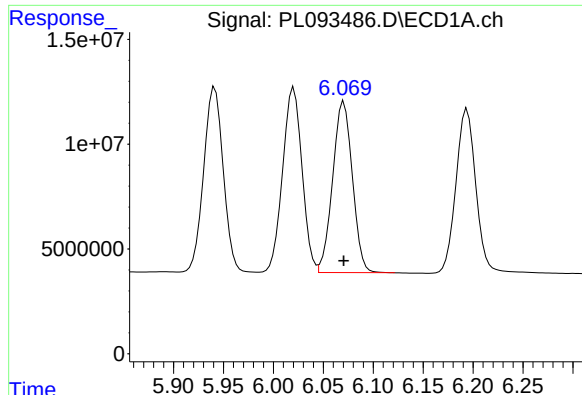
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 125281140
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

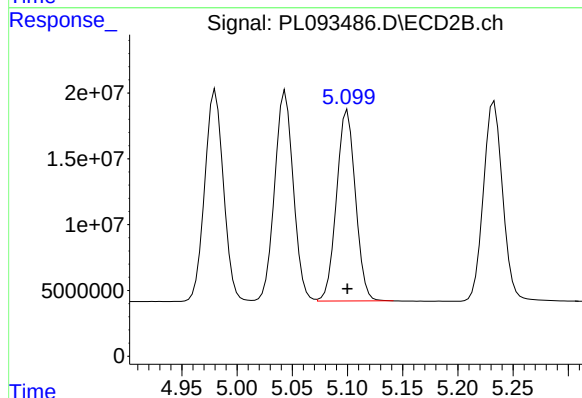
R.T.: 4.730 min
Delta R.T.: 0.000 min
Response: 187895056
Conc: 50.00 ng/ml



#9 Endosulfan I

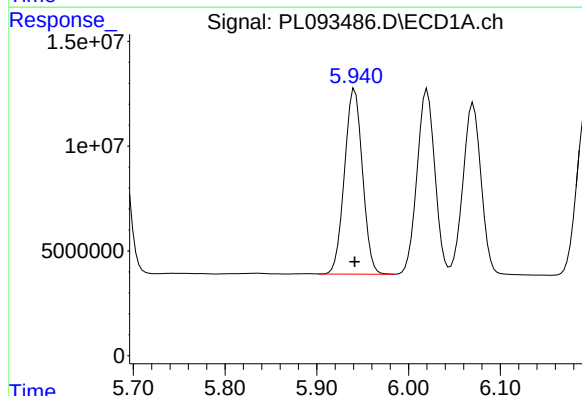
R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 112304346
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



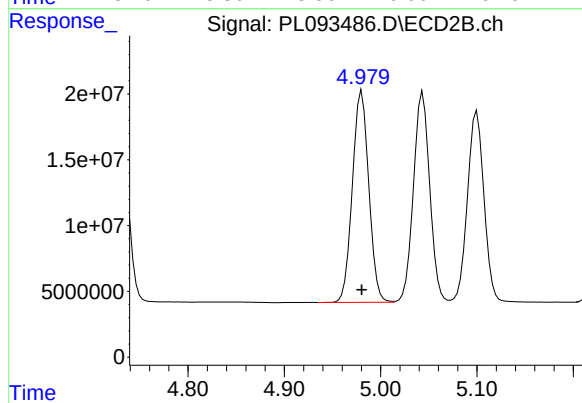
#9 Endosulfan I

R.T.: 5.100 min
Delta R.T.: 0.000 min
Response: 173003604
Conc: 50.00 ng/ml



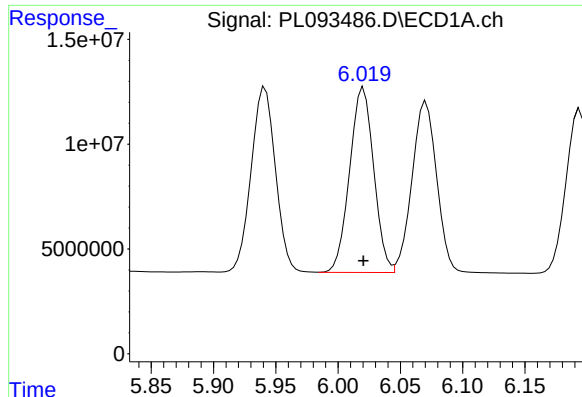
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 120166009
Conc: 50.00 ng/ml



#10 gamma-Chlordane

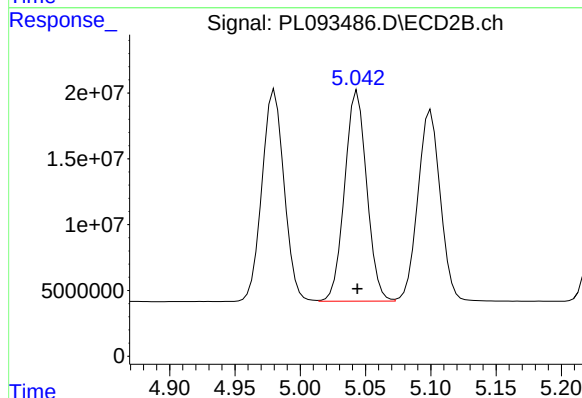
R.T.: 4.980 min
Delta R.T.: 0.000 min
Response: 189569513
Conc: 50.00 ng/ml



#11 alpha-Chlordane

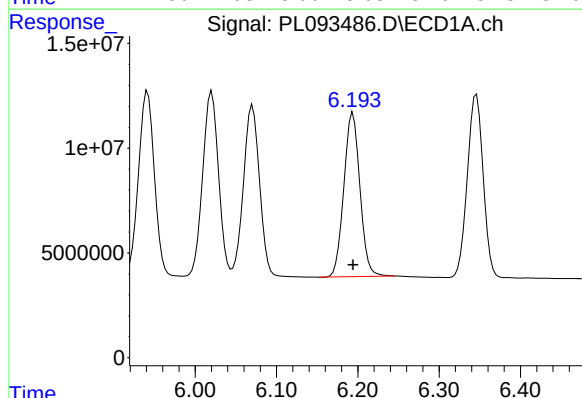
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 119223817
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



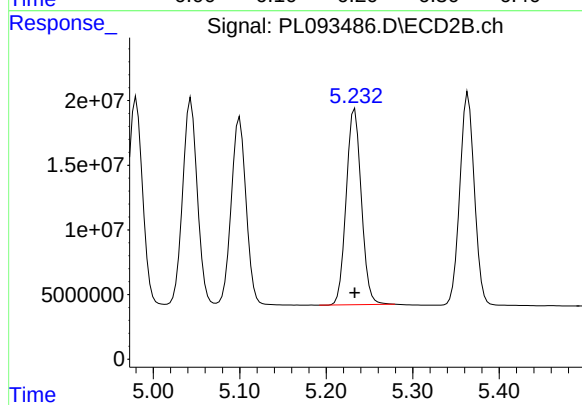
#11 alpha-Chlordane

R.T.: 5.044 min
Delta R.T.: 0.000 min
Response: 187999046
Conc: 50.00 ng/ml



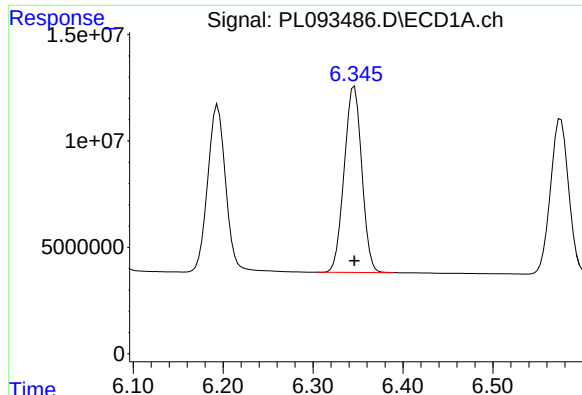
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 107149548
Conc: 50.00 ng/ml



#12 4,4'-DDE

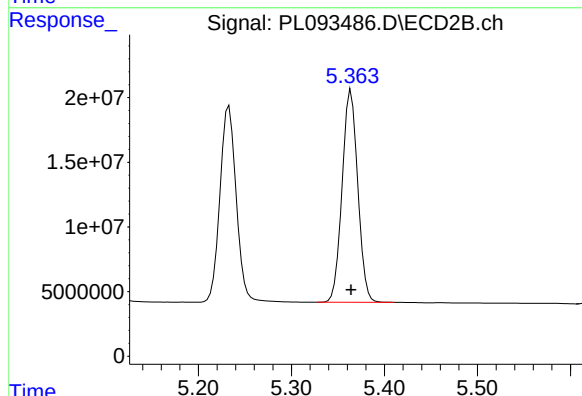
R.T.: 5.233 min
Delta R.T.: 0.000 min
Response: 182823272
Conc: 50.00 ng/ml



#13 Dieldrin

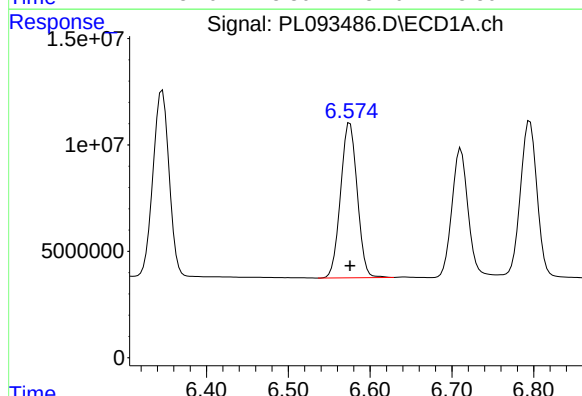
R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 118728918
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



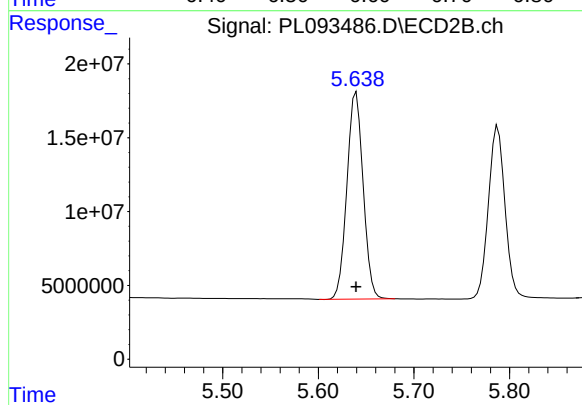
#13 Dieldrin

R.T.: 5.364 min
Delta R.T.: 0.000 min
Response: 191914955
Conc: 50.00 ng/ml



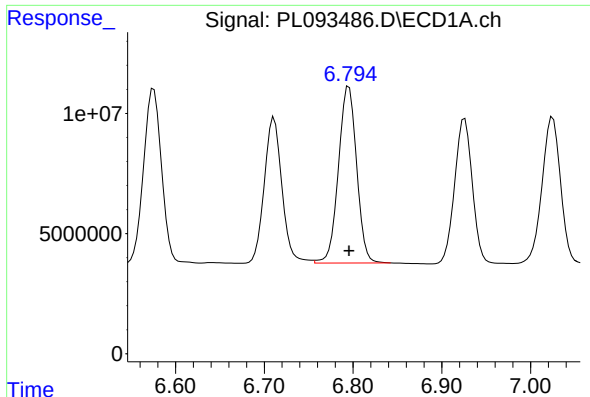
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 102335904
Conc: 50.00 ng/ml



#14 Endrin

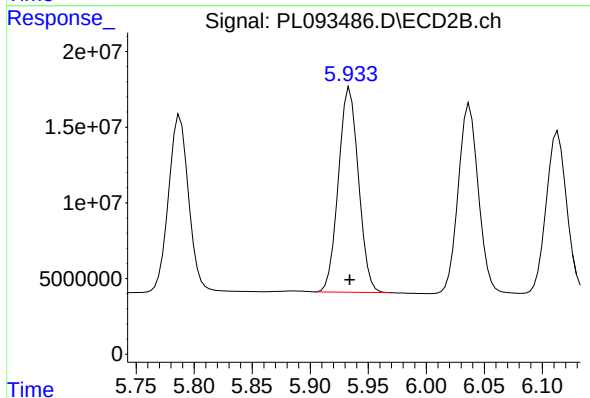
R.T.: 5.640 min
Delta R.T.: 0.000 min
Response: 165756127
Conc: 50.00 ng/ml



#15 Endosulfan II

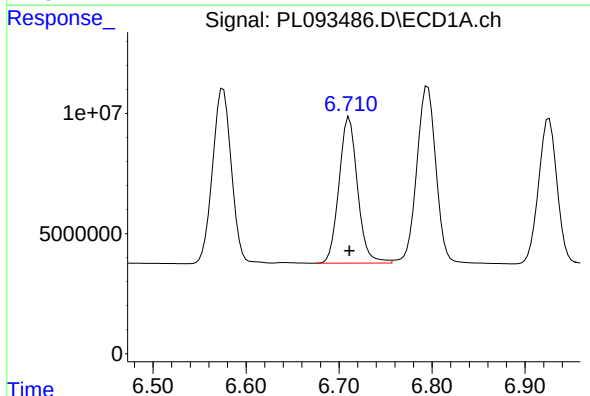
R.T.: 6.795 min
Delta R.T.: 0.000 min
Response: 104748130
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



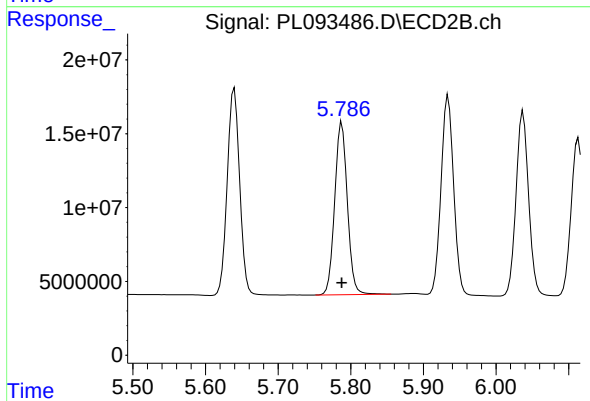
#15 Endosulfan II

R.T.: 5.934 min
Delta R.T.: 0.000 min
Response: 162744357
Conc: 50.00 ng/ml



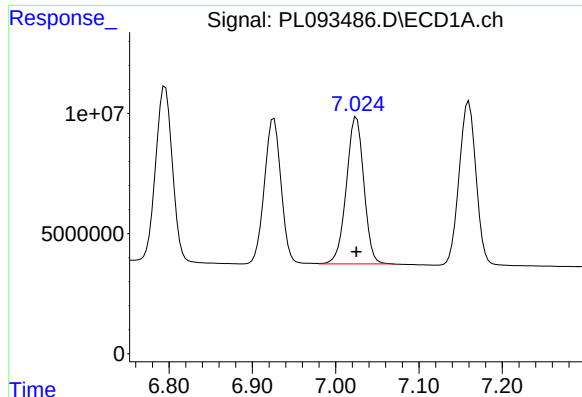
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.000 min
Response: 84251133
Conc: 50.00 ng/ml



#16 4,4'-DDD

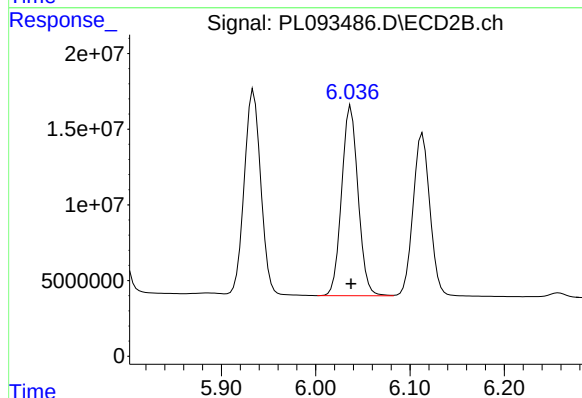
R.T.: 5.788 min
Delta R.T.: 0.000 min
Response: 141584662
Conc: 50.00 ng/ml



#17 4,4'-DDT

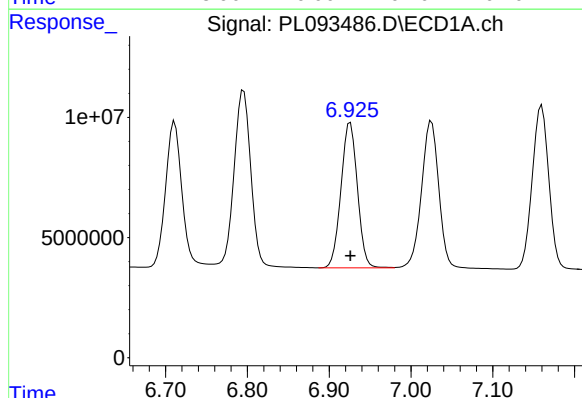
R.T.: 7.025 min
Delta R.T.: 0.000 min
Response: 89205651
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



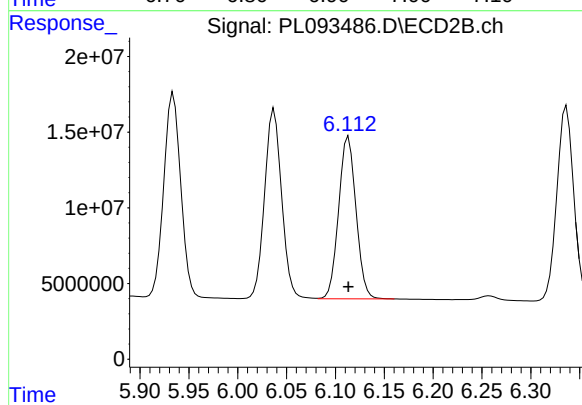
#17 4,4'-DDT

R.T.: 6.037 min
Delta R.T.: 0.000 min
Response: 151990805
Conc: 50.00 ng/ml



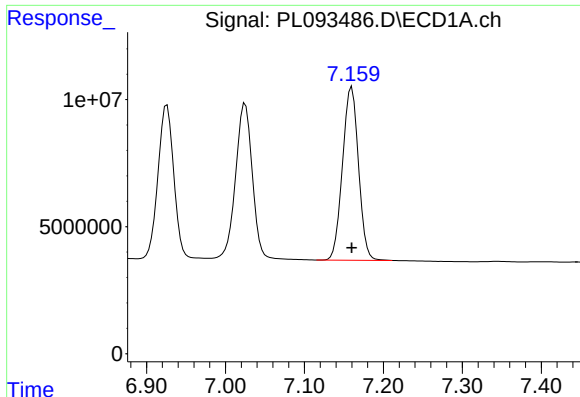
#18 Endrin aldehyde

R.T.: 6.926 min
Delta R.T.: 0.000 min
Response: 83983177
Conc: 50.00 ng/ml



#18 Endrin aldehyde

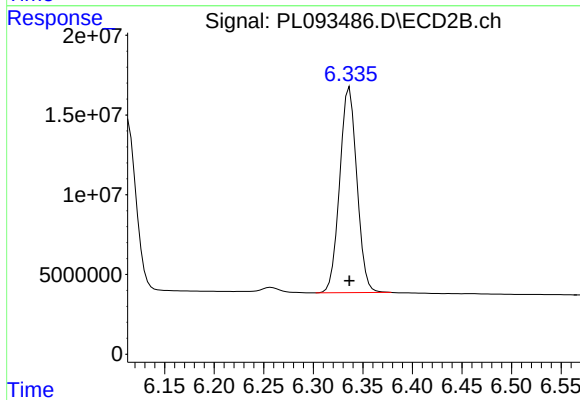
R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 132764145
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

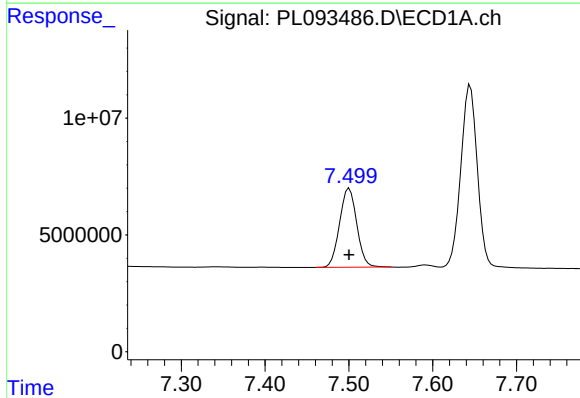
R.T.: 7.160 min
Delta R.T.: 0.000 min
Response: 95974066
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



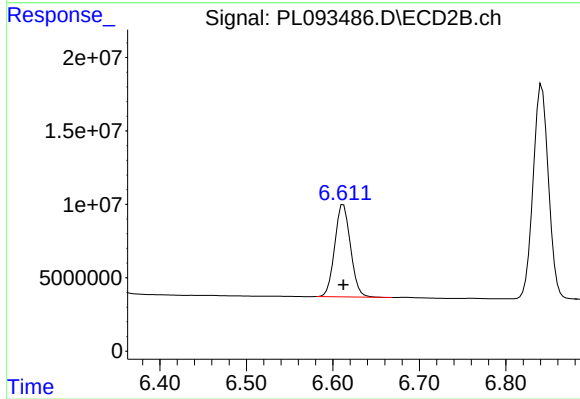
#19 Endosulfan Sulfate

R.T.: 6.337 min
Delta R.T.: 0.000 min
Response: 155672392
Conc: 50.00 ng/ml



#20 Methoxychlor

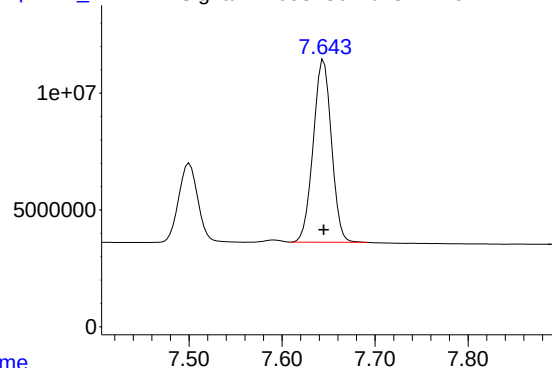
R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 48299350
Conc: 50.00 ng/ml



#20 Methoxychlor

R.T.: 6.612 min
Delta R.T.: 0.000 min
Response: 79493908
Conc: 50.00 ng/ml

Response_ Signal: PL093486.D\ECD1A.ch

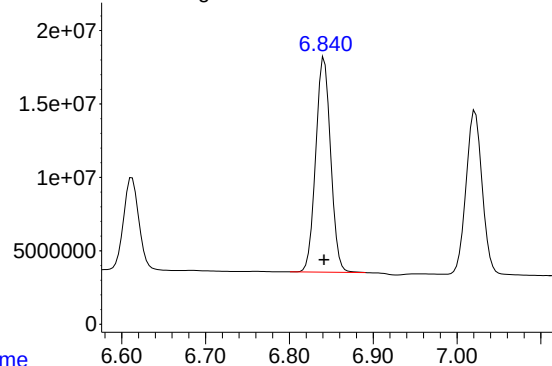


#21 Endrin ketone

R.T.: 7.645 min
Delta R.T.: 0.000 min
Response: 106378368
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

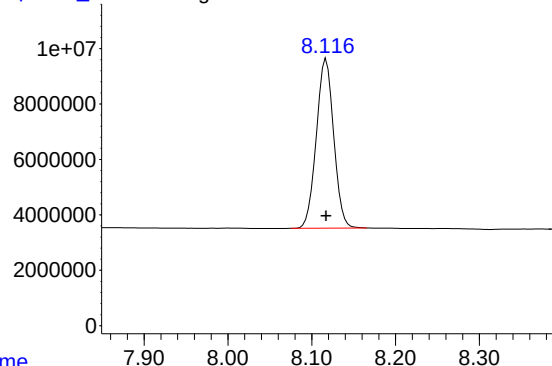
Time Response_ Signal: PL093486.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.842 min
Delta R.T.: 0.000 min
Response: 180922311
Conc: 50.00 ng/ml

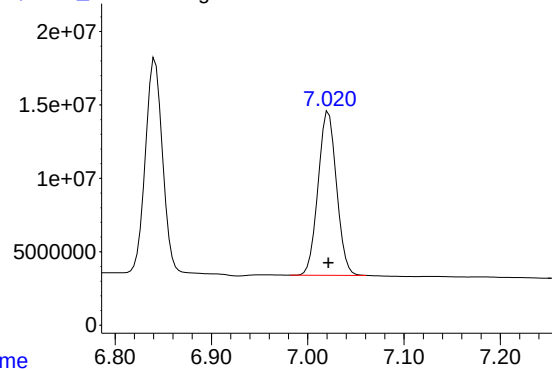
Time Response_ Signal: PL093486.D\ECD1A.ch



#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 88017913
Conc: 50.00 ng/ml

Time Response_ Signal: PL093486.D\ECD2B.ch



#22 Mirex

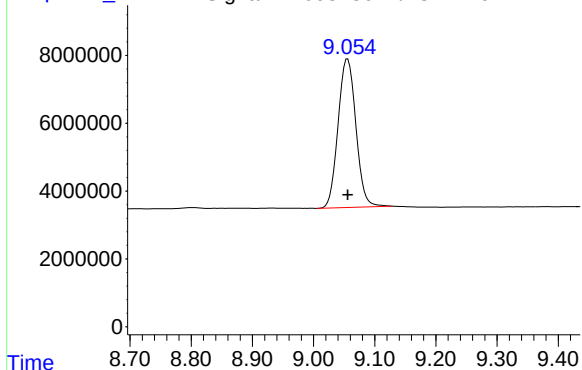
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 147831379
Conc: 50.00 ng/ml

Response_

Signal: PL093486.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 9.056 min
Delta R.T.: 0.000 min
Response: 88772027
Conc: 50.00 ng/ml

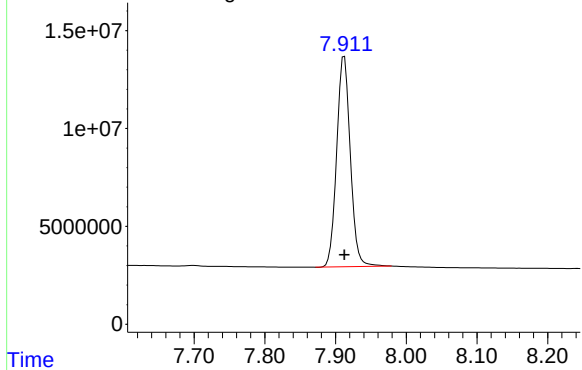
Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Time

Response_

Signal: PL093486.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 144254176
Conc: 50.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
 Data File : PL093487.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Dec 2024 13:55
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 24 14:23:42 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 14:21:40 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.541	2.777	62327725	71483550	26.062	24.632
28)	SA Decachlor...	9.054	7.912	46693156	72569750	26.299	25.153
Target Compounds							
2)	A alpha-BHC	3.997	3.280	84122049	103.9E6	25.185	23.590
3)	MA gamma-BHC...	4.329	3.609	80617748	101.6E6	25.350	23.838
4)	MA Heptachlor	4.917	3.948	72998754	100.7E6	26.050	24.221
5)	MB Aldrin	5.258	4.228	71843023	98416703	25.932	23.914
6)	B beta-BHC	4.527	3.909	36165489	44410965	26.228	25.033
7)	B delta-BHC	4.774	4.138	74947115	101.1E6	25.253	23.702
8)	B Heptachlo...	5.685	4.730	65614080	92441130	26.187	24.599
9)	A Endosulfan I	6.070	5.100	58987300	84559692	26.262	24.439
10)	B gamma-Chl...	5.940	4.980	62495271	92591896	26.004	24.422
11)	B alpha-Chl...	6.020	5.044	62441570	92038105	26.187	24.478
12)	B 4,4'-DDE	6.193	5.233	55862958	88664838	26.068	24.249
13)	MA Dieldrin	6.345	5.364	62005270	92354806	26.112	24.061
14)	MA Endrin	6.575	5.639	53644088	79847389	26.210	24.086
15)	B Endosulfa...	6.795	5.934	56112262	79705442	26.784	24.488
16)	A 4,4'-DDD	6.710	5.787	43947210	67854340	26.081	23.962
17)	MA 4,4'-DDT	7.024	6.037	46396872	72637544	26.006	23.895
18)	B Endrin al...	6.924	6.113	44927918	66140068	26.748	24.909
19)	B Endosulfa...	7.159	6.336	50981786	76669518	26.560	24.625
20)	A Methoxychlor	7.500	6.612	25574313	39897867	26.475	25.095
21)	B Endrin ke...	7.644	6.841	56296228	88980989	26.460	24.591
22)	Mirex	8.116	7.022	47657300	76083698	27.073	25.733

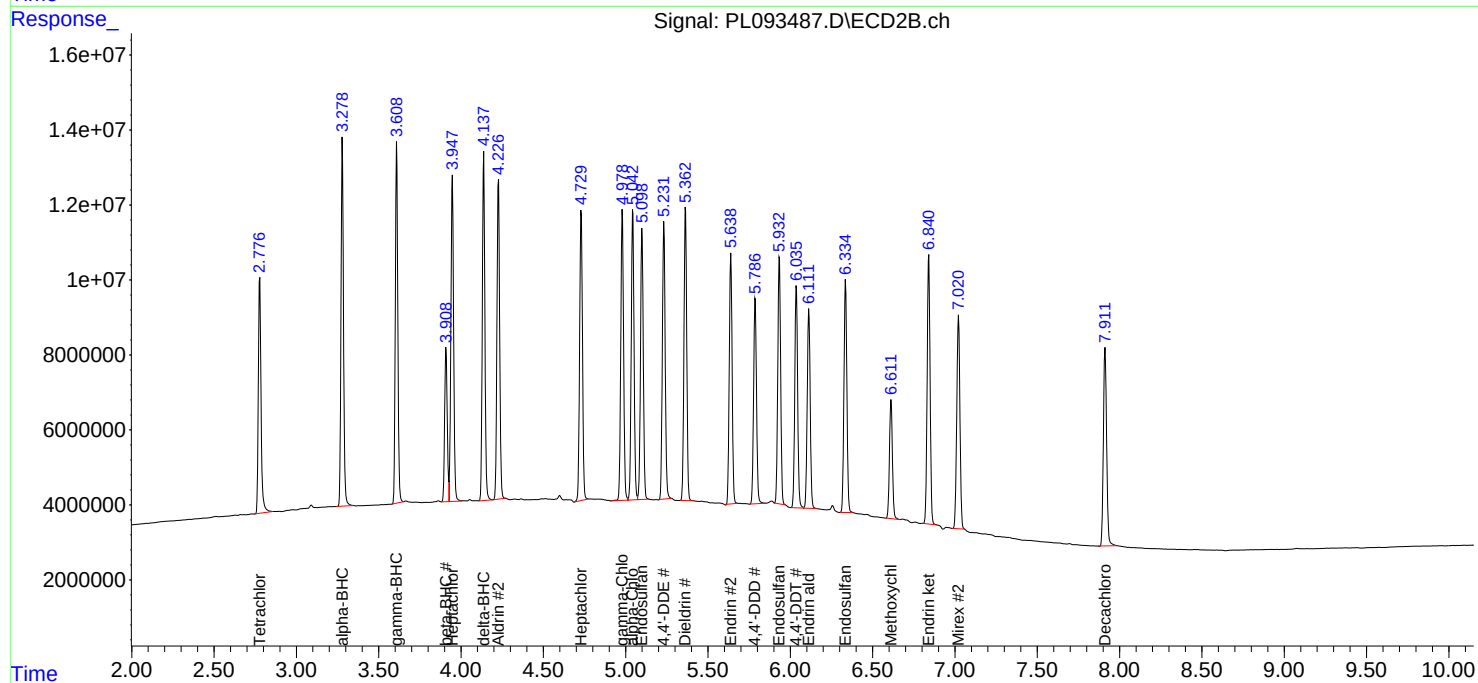
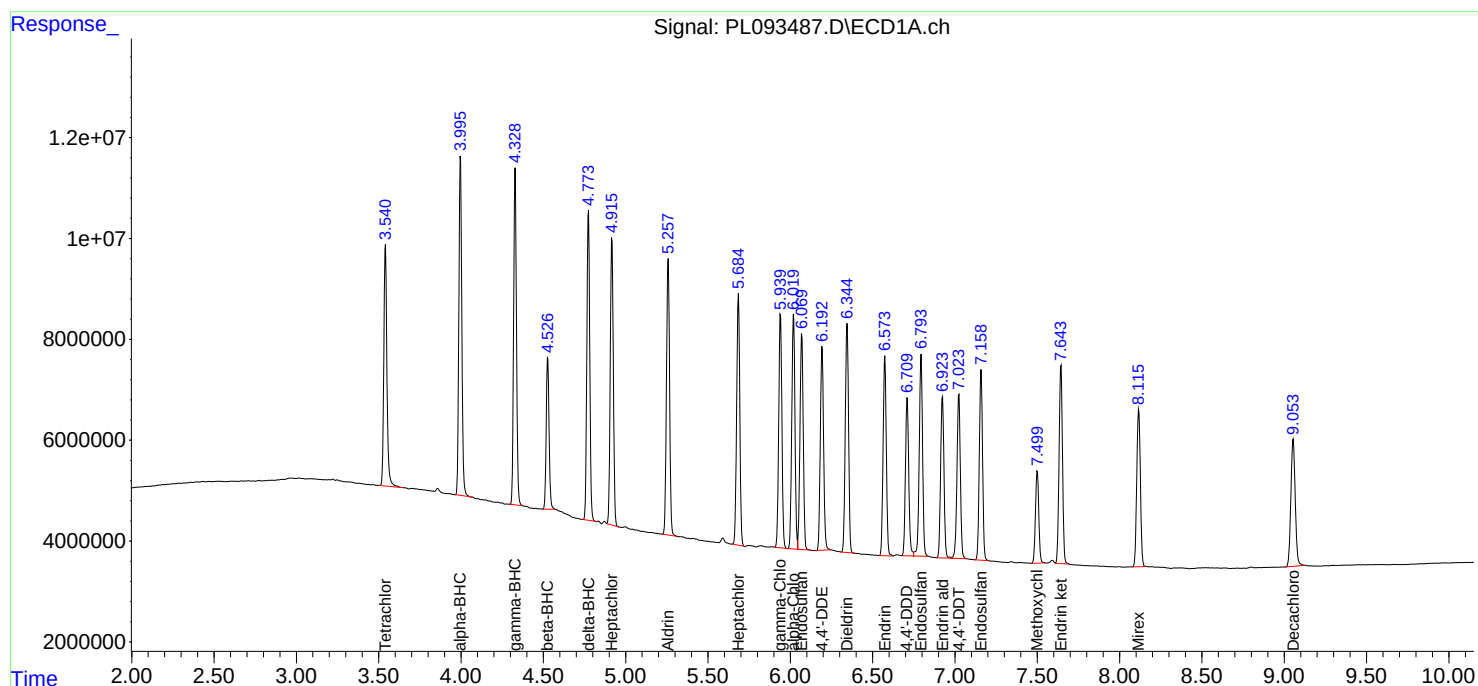
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

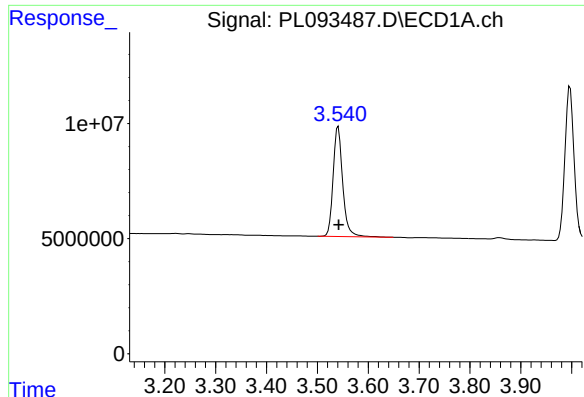
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
Data File : PL093487.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Dec 2024 13:55
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 24 14:23:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 14:21:40 2024
Response via : Initial Calibration
Integrator: ChemStation

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

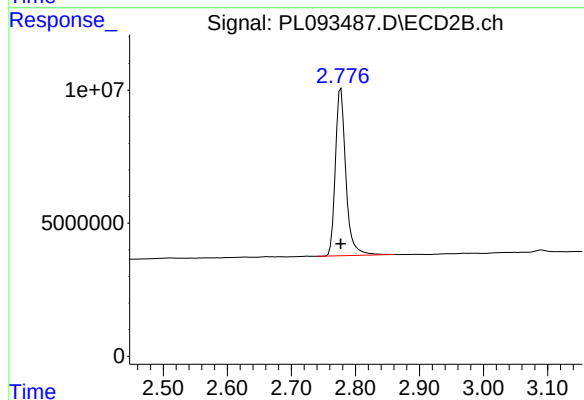




#1 Tetrachloro-m-xylene

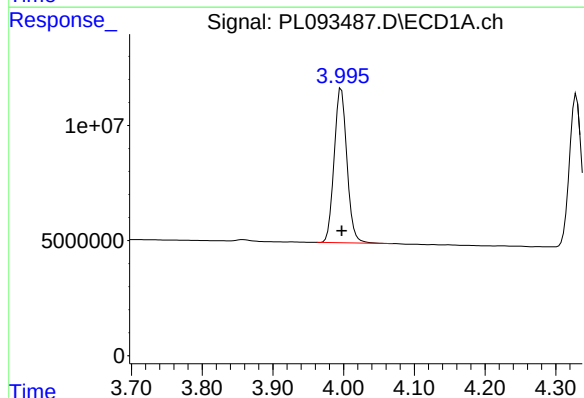
R.T.: 3.541 min
Delta R.T.: -0.001 min
Response: 62327725
Conc: 26.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



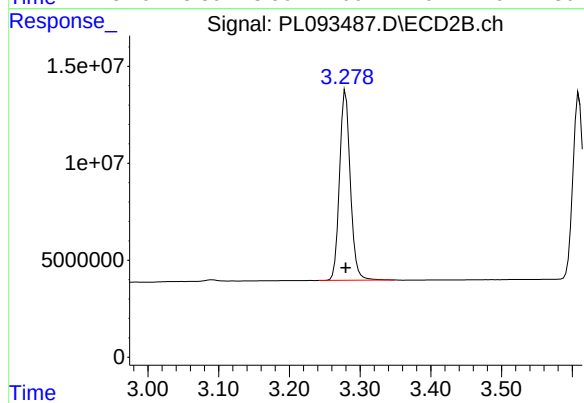
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 71483550
Conc: 24.63 ng/ml



#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 84122049
Conc: 25.19 ng/ml



#2 alpha-BHC

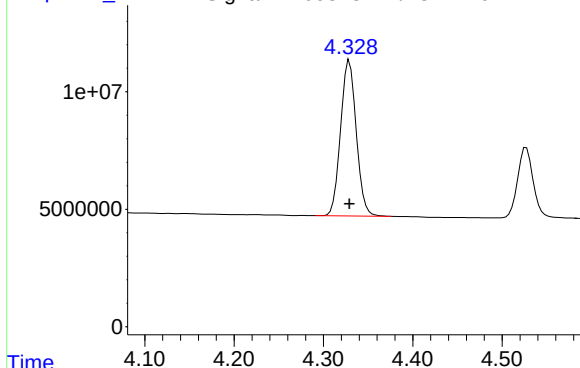
R.T.: 3.280 min
Delta R.T.: 0.000 min
Response: 103932410
Conc: 23.59 ng/ml

Response_

Signal: PL093487.D\ECD1A.ch

#3 gamma-BHC (Lindane)

ICAL Form



R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 80617748
Conc: 25.35 ng/ml

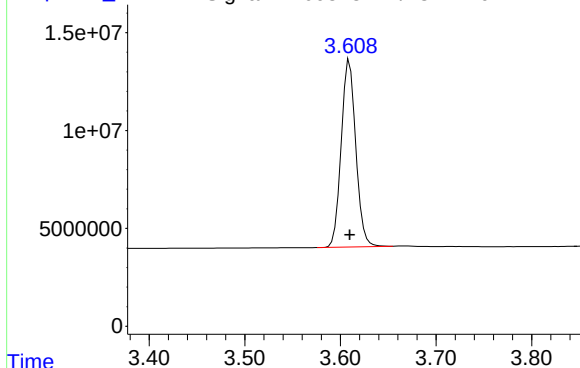
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PL093487.D\ECD2B.ch

#3 gamma-BHC (Lindane)



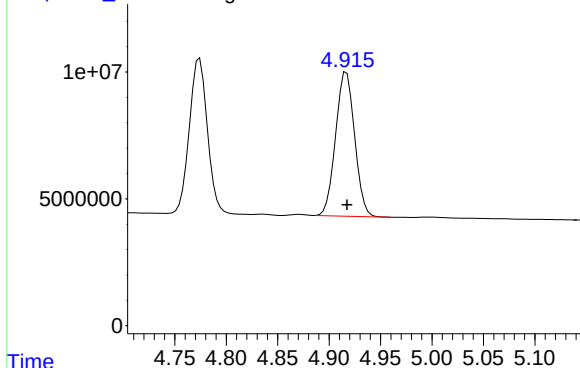
R.T.: 3.609 min
Delta R.T.: 0.000 min
Response: 101561209
Conc: 23.84 ng/ml

Time

Response_

Signal: PL093487.D\ECD1A.ch

#4 Heptachlor



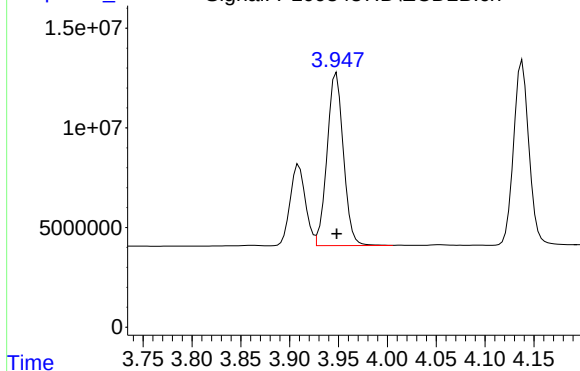
R.T.: 4.917 min
Delta R.T.: 0.000 min
Response: 72998754
Conc: 26.05 ng/ml

Time

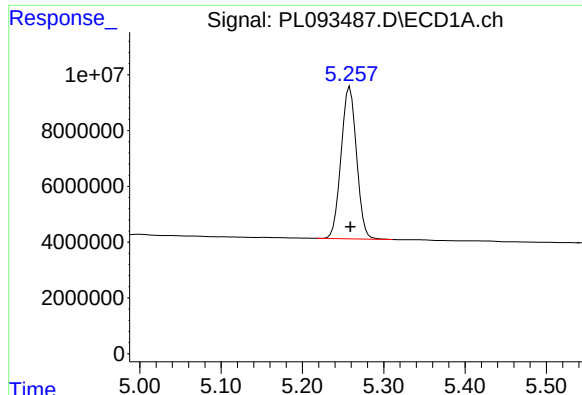
Response_

Signal: PL093487.D\ECD2B.ch

#4 Heptachlor



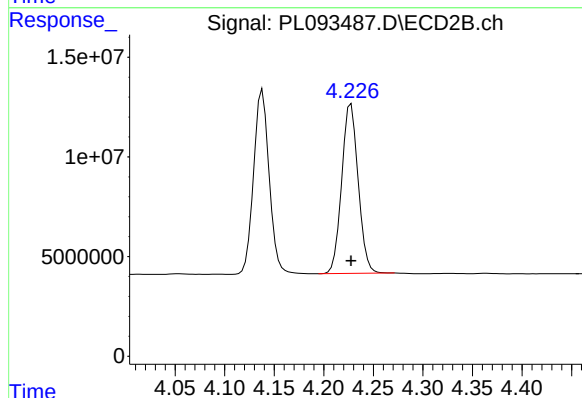
R.T.: 3.948 min
Delta R.T.: 0.000 min
Response: 100748520
Conc: 24.22 ng/ml



#5 Aldrin

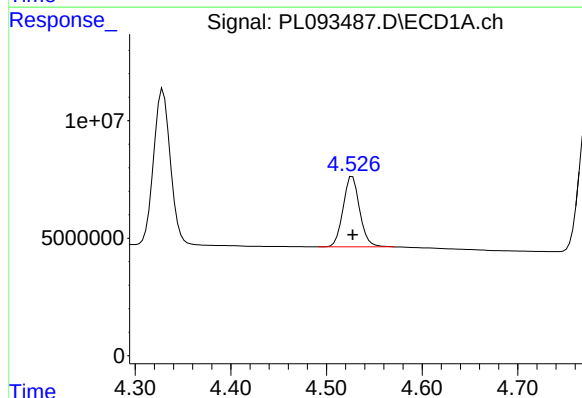
R.T.: 5.258 min
Delta R.T.: 0.000 min
Response: 71843023
Conc: 25.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



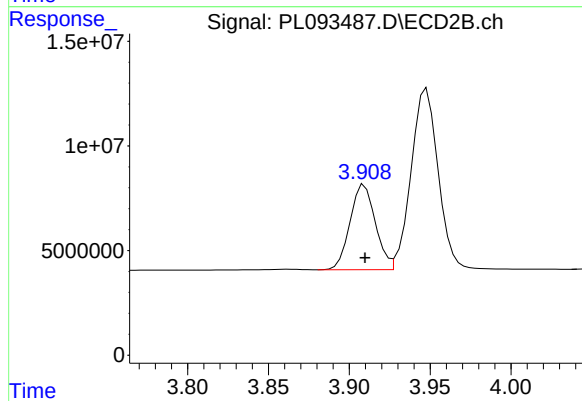
#5 Aldrin

R.T.: 4.228 min
Delta R.T.: 0.000 min
Response: 98416703
Conc: 23.91 ng/ml



#6 beta-BHC

R.T.: 4.527 min
Delta R.T.: 0.000 min
Response: 36165489
Conc: 26.23 ng/ml

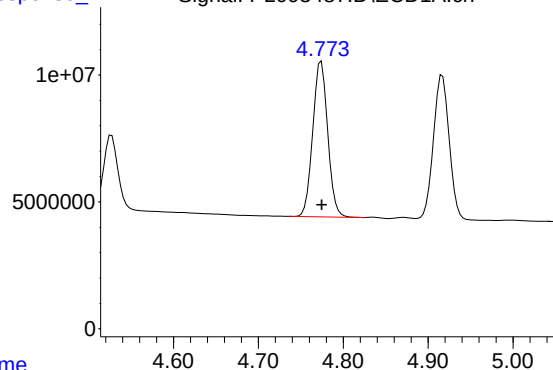


#6 beta-BHC

R.T.: 3.909 min
Delta R.T.: 0.000 min
Response: 44410965
Conc: 25.03 ng/ml

Response_ Signal: PL093487.D\ECD1A.ch

#7 delta-BHC

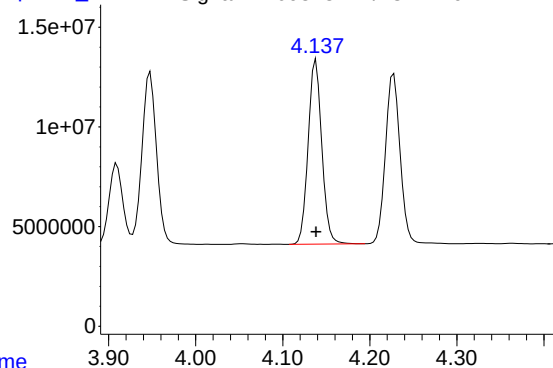


R.T.: 4.774 min
Delta R.T.: 0.000 min
Response: 74947115
Conc: 25.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Time Response_ Signal: PL093487.D\ECD2B.ch

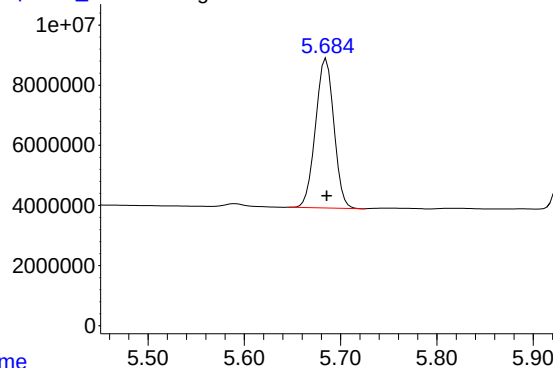
#7 delta-BHC



R.T.: 4.138 min
Delta R.T.: 0.000 min
Response: 101120893
Conc: 23.70 ng/ml

Time Response_ Signal: PL093487.D\ECD1A.ch

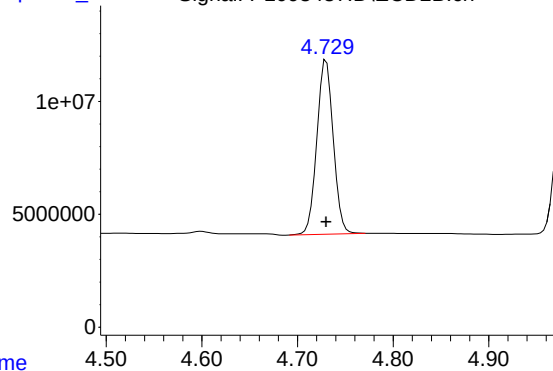
#8 Heptachlor epoxide



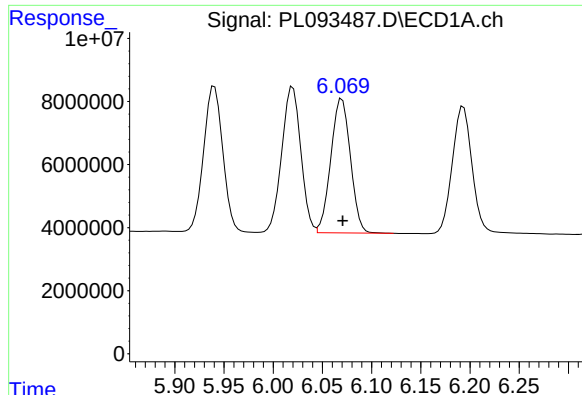
R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 65614080
Conc: 26.19 ng/ml

Time Response_ Signal: PL093487.D\ECD2B.ch

#8 Heptachlor epoxide



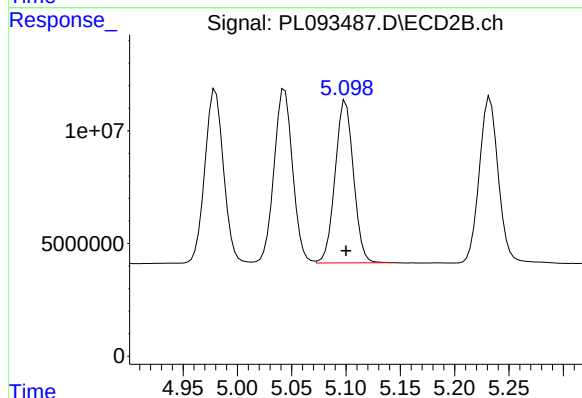
R.T.: 4.730 min
Delta R.T.: 0.000 min
Response: 92441130
Conc: 24.60 ng/ml



#9 Endosulfan I

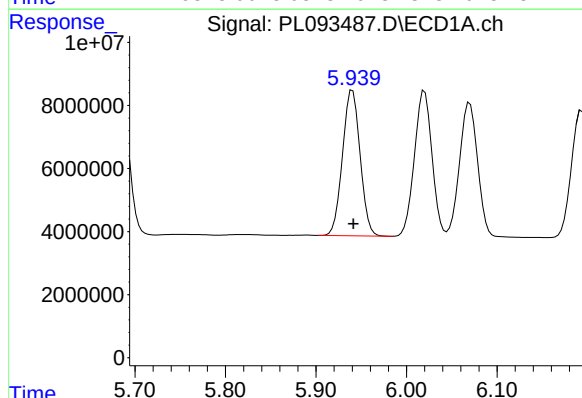
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 58987300
Conc: 26.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



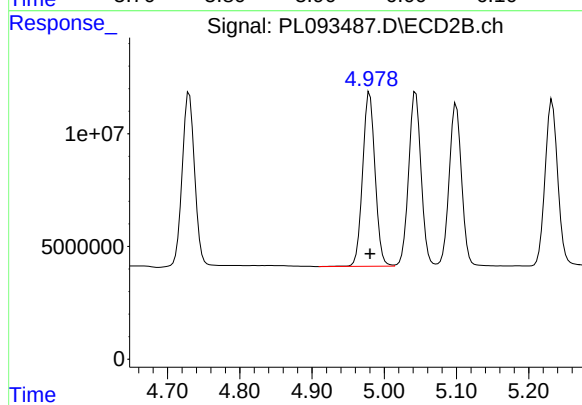
#9 Endosulfan I

R.T.: 5.100 min
Delta R.T.: 0.000 min
Response: 84559692
Conc: 24.44 ng/ml



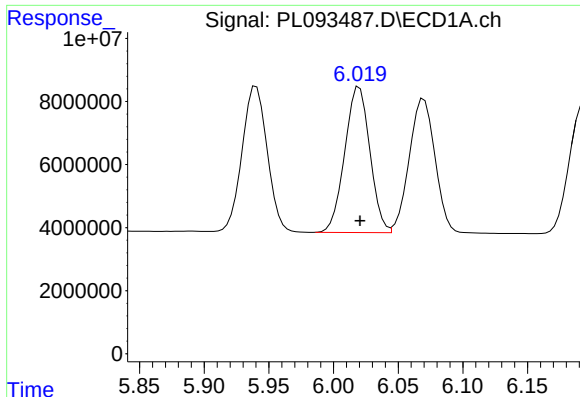
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.001 min
Response: 62495271
Conc: 26.00 ng/ml



#10 gamma-Chlordane

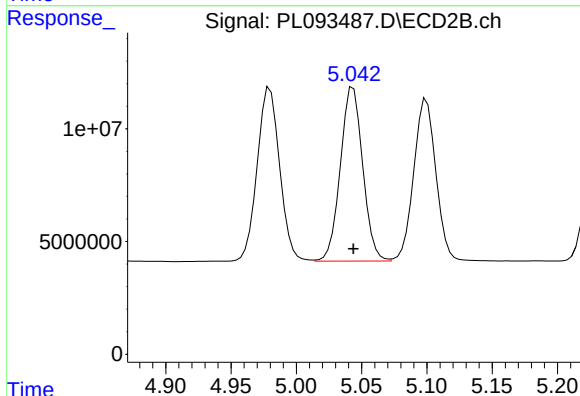
R.T.: 4.980 min
Delta R.T.: 0.000 min
Response: 92591896
Conc: 24.42 ng/ml



#11 alpha-Chlordane

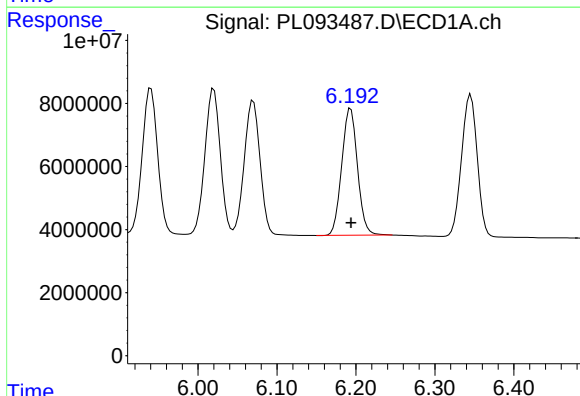
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 62441570
Conc: 26.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



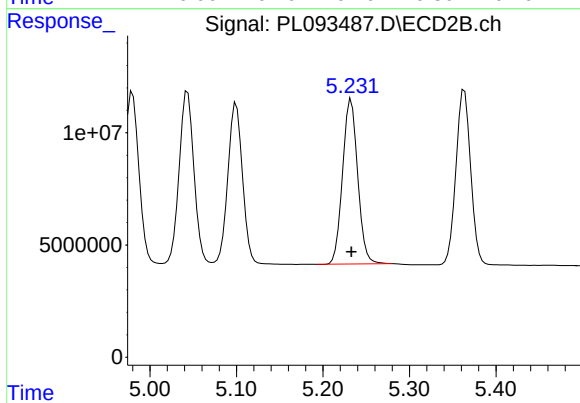
#11 alpha-Chlordane

R.T.: 5.044 min
Delta R.T.: 0.000 min
Response: 92038105
Conc: 24.48 ng/ml



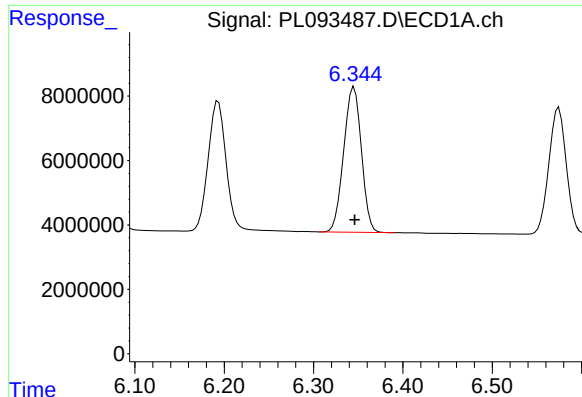
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 55862958
Conc: 26.07 ng/ml



#12 4,4'-DDE

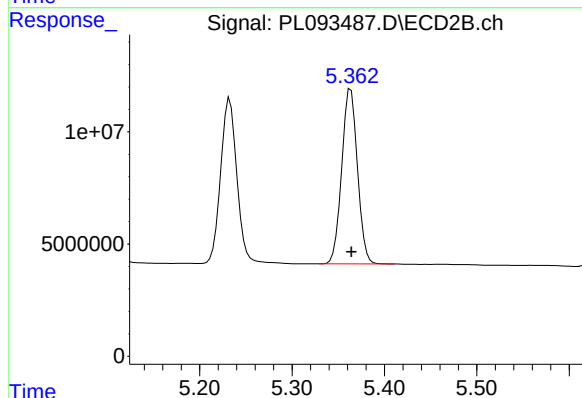
R.T.: 5.233 min
Delta R.T.: 0.000 min
Response: 88664838
Conc: 24.25 ng/ml



#13 Dieldrin

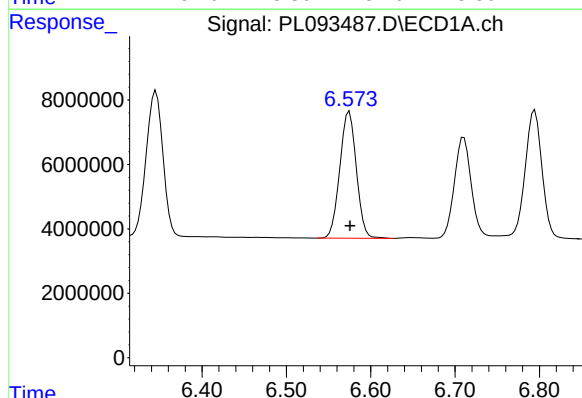
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 62005270
Conc: 26.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



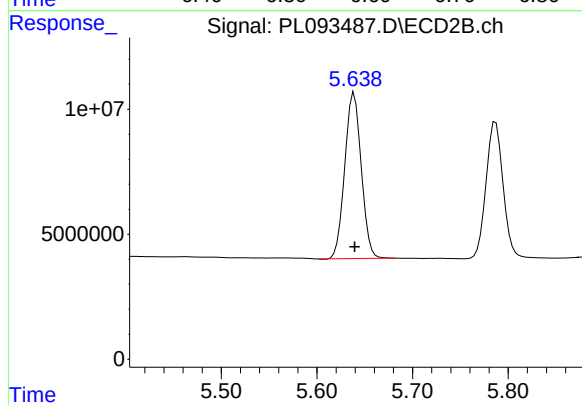
#13 Dieldrin

R.T.: 5.364 min
Delta R.T.: 0.000 min
Response: 92354806
Conc: 24.06 ng/ml



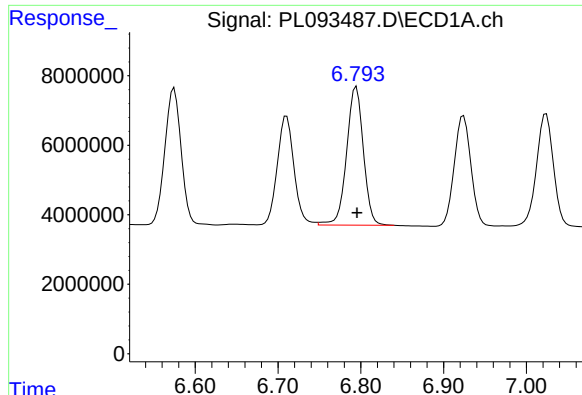
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 53644088
Conc: 26.21 ng/ml



#14 Endrin

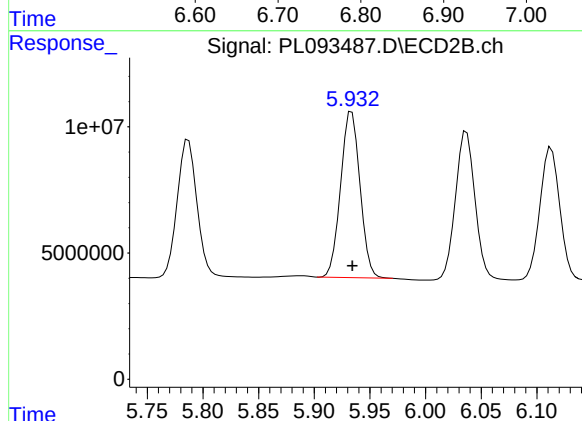
R.T.: 5.639 min
Delta R.T.: 0.000 min
Response: 79847389
Conc: 24.09 ng/ml



#15 Endosulfan II

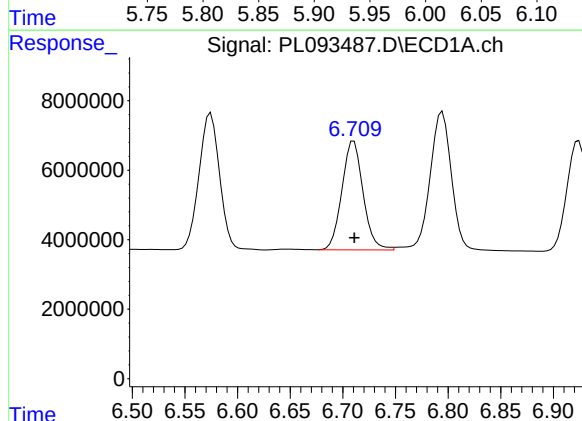
R.T.: 6.795 min
Delta R.T.: 0.000 min
Response: 56112262
Conc: 26.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



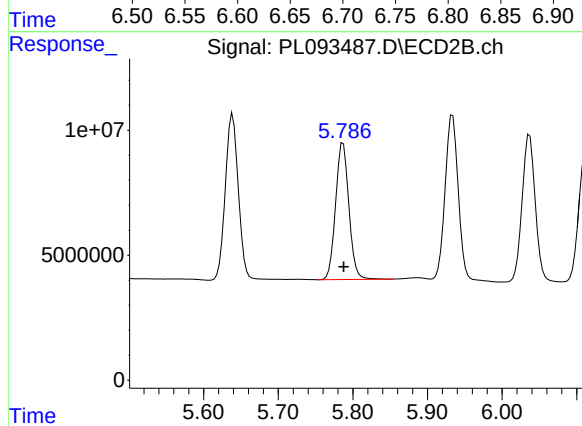
#15 Endosulfan II

R.T.: 5.934 min
Delta R.T.: 0.000 min
Response: 79705442
Conc: 24.49 ng/ml



#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 43947210
Conc: 26.08 ng/ml



#16 4,4'-DDD

R.T.: 5.787 min
Delta R.T.: 0.000 min
Response: 67854340
Conc: 23.96 ng/ml

Response_ Signal: PL093487.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: -0.001 min
Response: 46396872
Conc: 26.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Time

Response_ Signal: PL093487.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.037 min
Delta R.T.: 0.000 min
Response: 72637544
Conc: 23.90 ng/ml

Time

Response_ Signal: PL093487.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: -0.002 min
Response: 44927918
Conc: 26.75 ng/ml

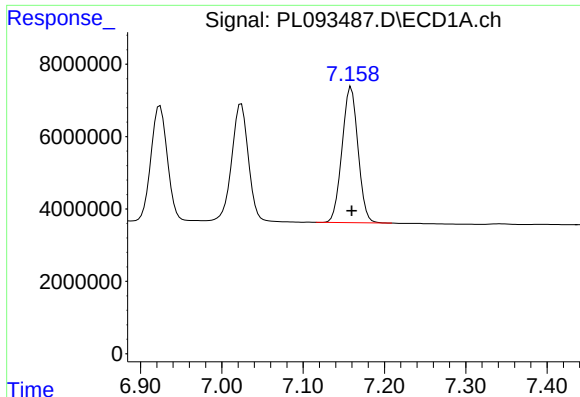
Time

Response_ Signal: PL093487.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 66140068
Conc: 24.91 ng/ml

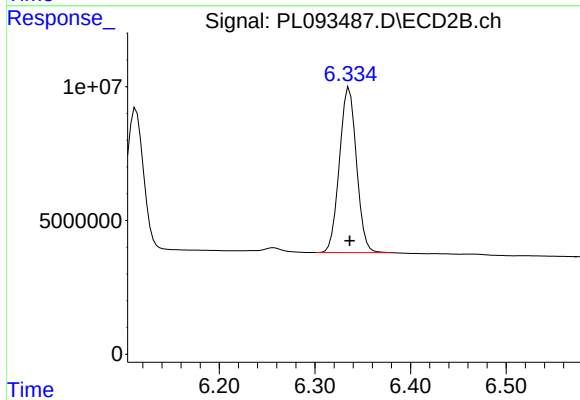
Time



#19 Endosulfan Sulfate

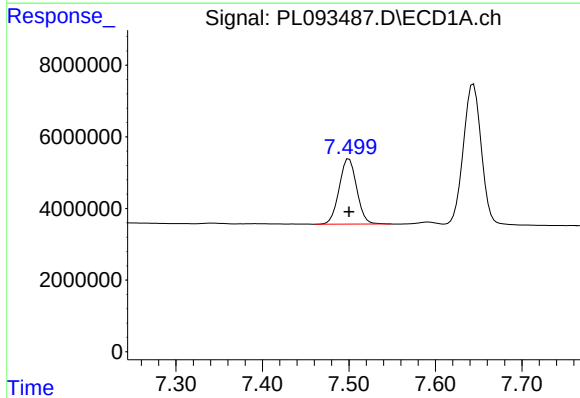
R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 50981786
Conc: 26.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



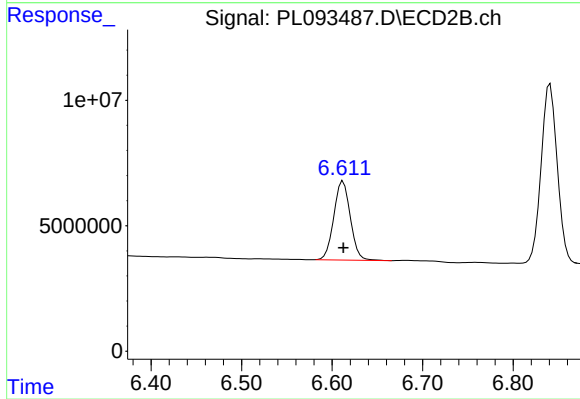
#19 Endosulfan Sulfate

R.T.: 6.336 min
Delta R.T.: 0.000 min
Response: 76669518
Conc: 24.63 ng/ml



#20 Methoxychlor

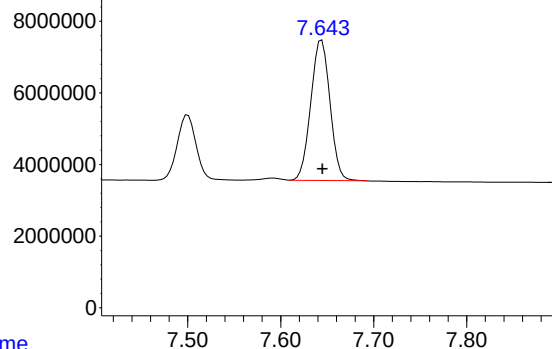
R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 25574313
Conc: 26.47 ng/ml



#20 Methoxychlor

R.T.: 6.612 min
Delta R.T.: 0.000 min
Response: 39897867
Conc: 25.09 ng/ml

Response_ Signal: PL093487.D\ECD1A.ch

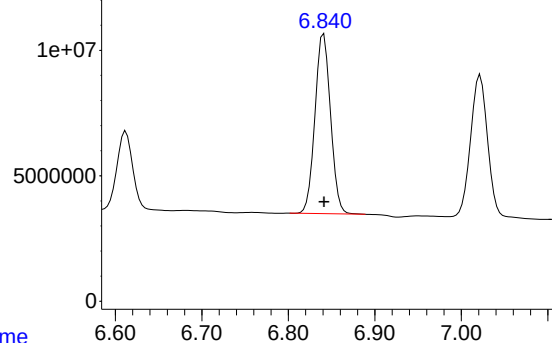


#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 56296228
Conc: 26.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

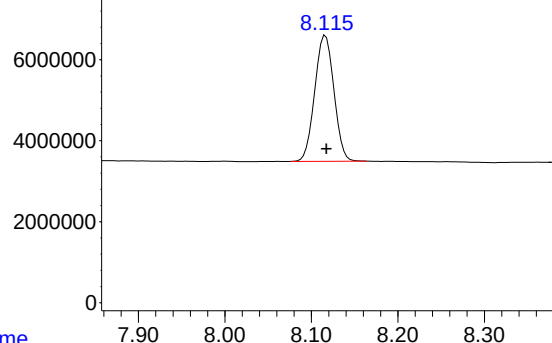
Time Response_ Signal: PL093487.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.841 min
Delta R.T.: 0.000 min
Response: 88980989
Conc: 24.59 ng/ml

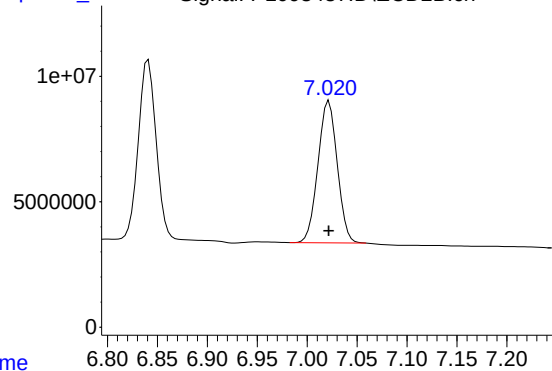
Time Response_ Signal: PL093487.D\ECD1A.ch



#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 47657300
Conc: 27.07 ng/ml

Time Response_ Signal: PL093487.D\ECD2B.ch



#22 Mirex

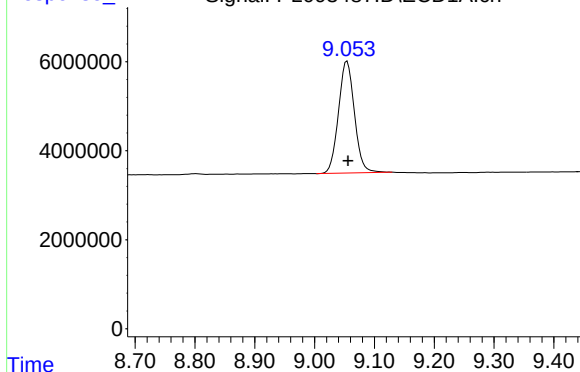
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 76083698
Conc: 25.73 ng/ml

Response_

Signal: PL093487.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



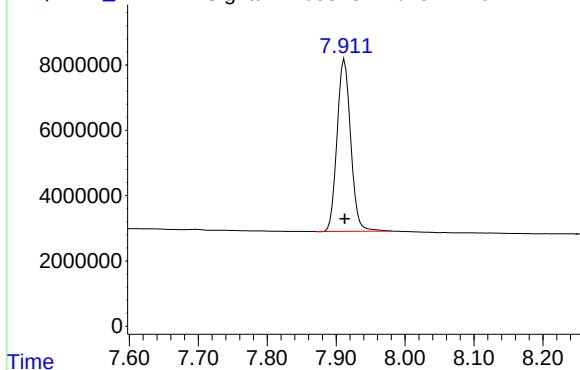
R.T.: 9.054 min
Delta R.T.: -0.001 min
Response: 46693156
Conc: 26.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Response_

Signal: PL093487.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 72569750
Conc: 25.15 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
 Data File : PL093488.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Dec 2024 14:09
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDICC005

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 24 14:23:55 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 14:21:40 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.541	2.777	14596266	15168195	6.103	5.227
2)	SA Decachlor...	9.054	7.912	11457436	16833079	6.453	5.835
Target Compounds							
2)	A alpha-BHC	3.996	3.279	19366185	20496659	5.798	4.652
3)	MA gamma-BHC...	4.329	3.609	18751913	20256939	5.897	4.755
4)	MA Heptachlor	4.917	3.948	17511436	20989422	6.249	5.046
5)	MB Aldrin	5.258	4.227	17581628	20036521	6.346	4.869
6)	B beta-BHC	4.527	3.909	8810873	9564220	6.390	5.391
7)	B delta-BHC	4.774	4.138	17184513	20232547	5.790	4.742
8)	B Heptachlo...	5.684	4.730	16248548	20492257	6.485	5.453
9)	A Endosulfan I	6.070	5.100	14505341	18122463	6.458	5.238
10)	B gamma-Chl...	5.941	4.980	15205469	19999538	6.327	5.275
11)	B alpha-Chl...	6.019	5.043	15233484	19770126	6.389	5.258
12)	B 4,4'-DDE	6.193	5.232	13518455	18555428	6.308	5.075
13)	MA Dieldrin	6.345	5.364	15185715	19288943	6.395	5.025
14)	MA Endrin	6.575	5.639	13290669	16436761	6.494	4.958
15)	B Endosulfa...	6.794	5.934	14897483	16262475	7.111	4.996 #
16)	A 4,4'-DDD	6.710	5.787	10569136	13916859	6.272	4.915
17)	MA 4,4'-DDT	7.024	6.037	10887277	14496531	6.102	4.769
18)	B Endrin al...	6.924	6.113	11109839	14229329	6.614	5.359
19)	B Endosulfa...	7.159	6.336	12606082	16498721	6.567	5.299
20)	A Methoxychlor	7.500	6.612	6046109	8720001	6.259	5.485
21)	B Endrin ke...	7.643	6.841	13753382	19006345	6.464	5.253
22)	Mirex	8.116	7.021	11967581	17368842	6.798	5.875

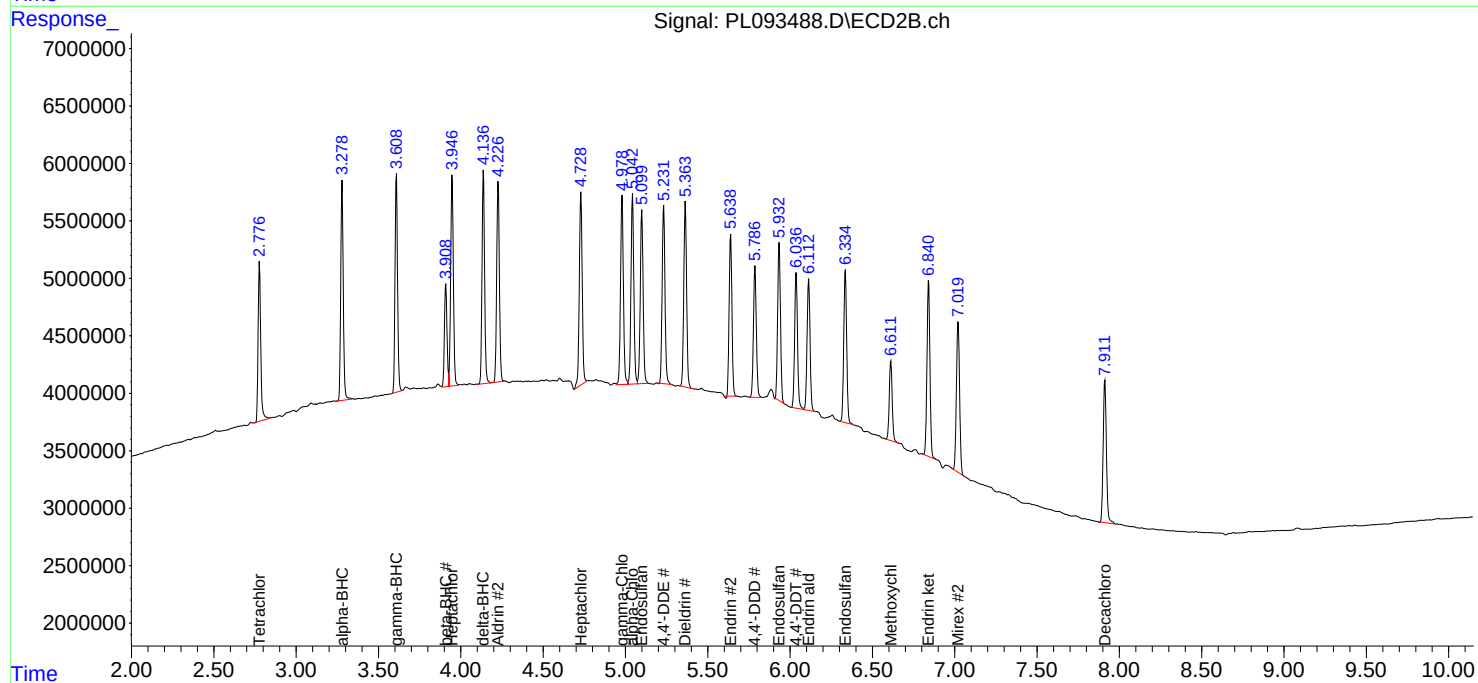
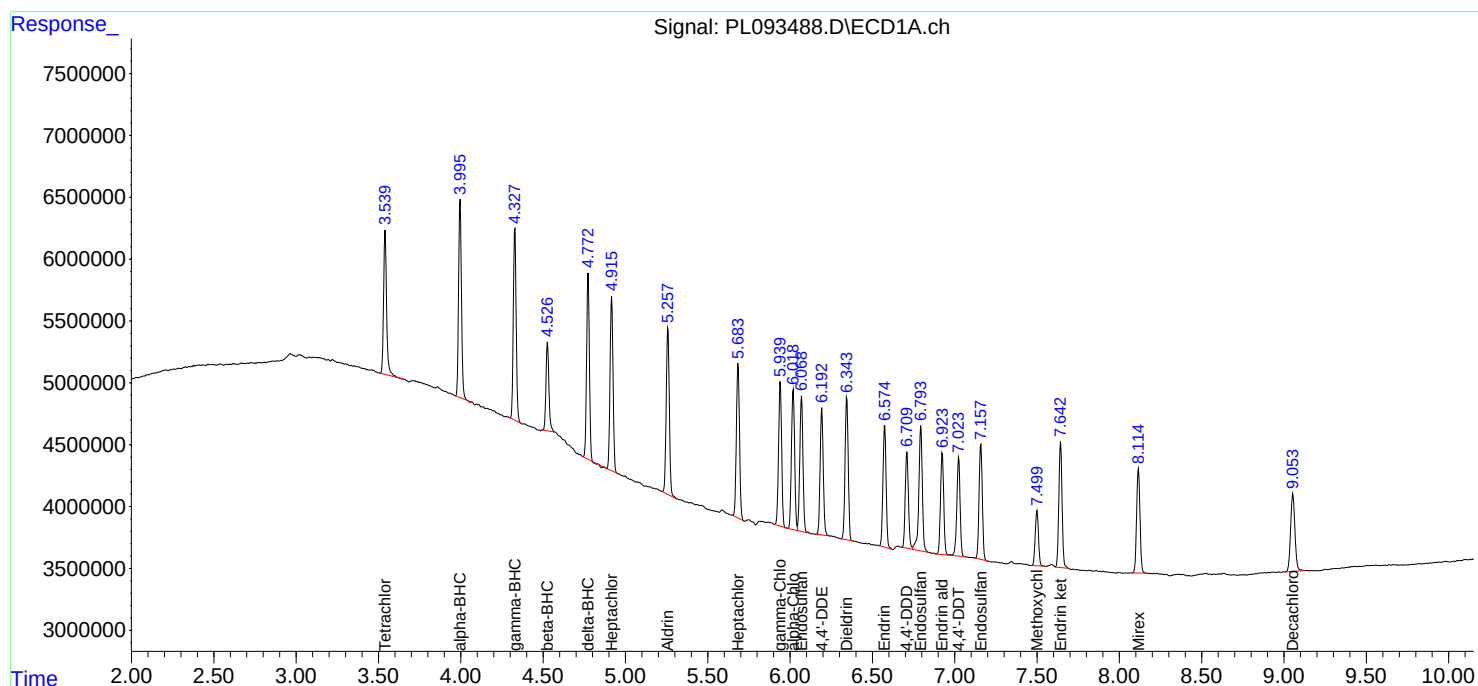
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

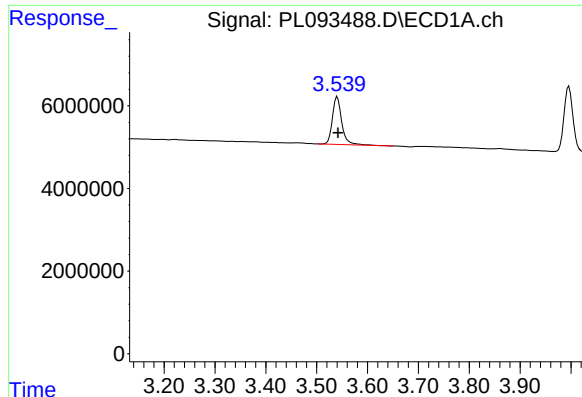
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
Data File : PL093488.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Dec 2024 14:09
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 24 14:23:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 14:21:40 2024
Response via : Initial Calibration
Integrator: ChemStation

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

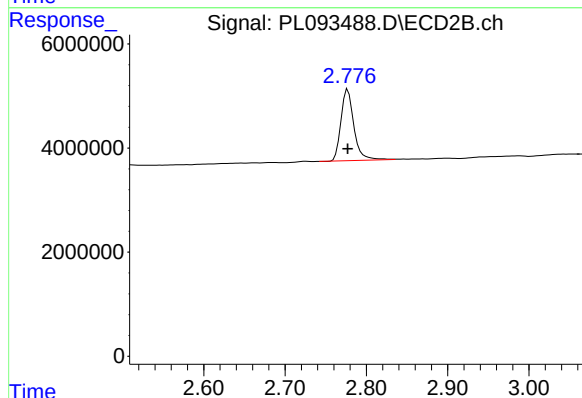




#1 Tetrachloro-m-xylene

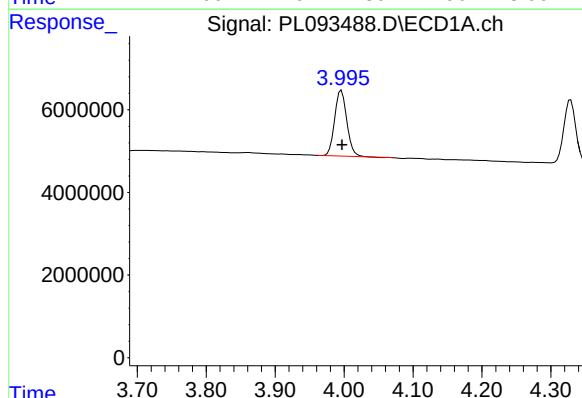
R.T.: 3.541 min
Delta R.T.: -0.001 min
Response: 14596266
Conc: 6.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



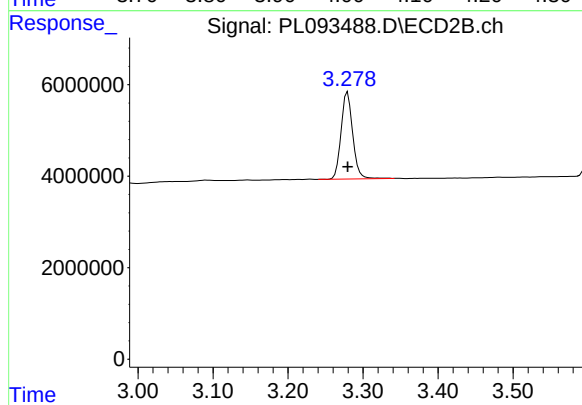
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 15168195
Conc: 5.23 ng/ml



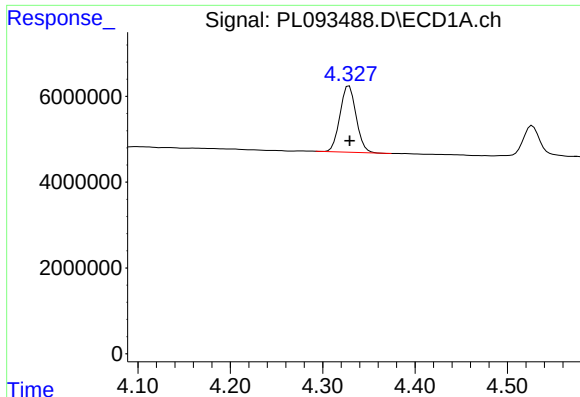
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: -0.001 min
Response: 19366185
Conc: 5.80 ng/ml



#2 alpha-BHC

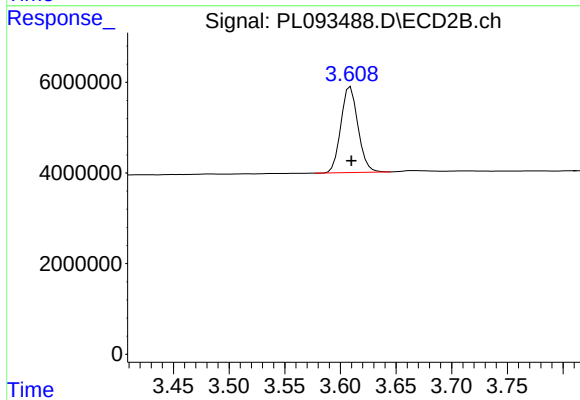
R.T.: 3.279 min
Delta R.T.: 0.000 min
Response: 20496659
Conc: 4.65 ng/ml



#3 gamma-BHC (Lindane)

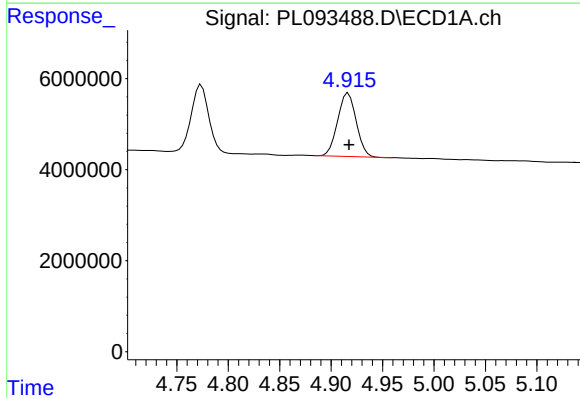
R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 18751913
Conc: 5.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



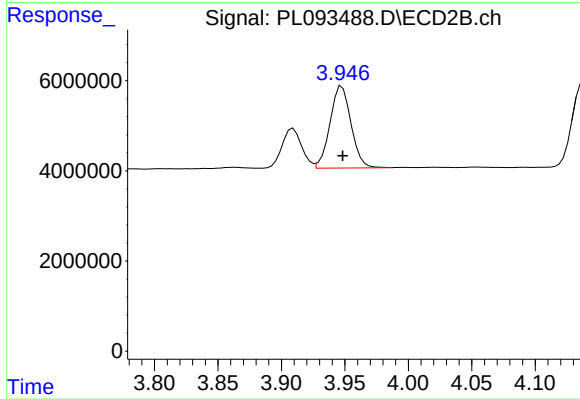
#3 gamma-BHC (Lindane)

R.T.: 3.609 min
Delta R.T.: 0.000 min
Response: 20256939
Conc: 4.75 ng/ml



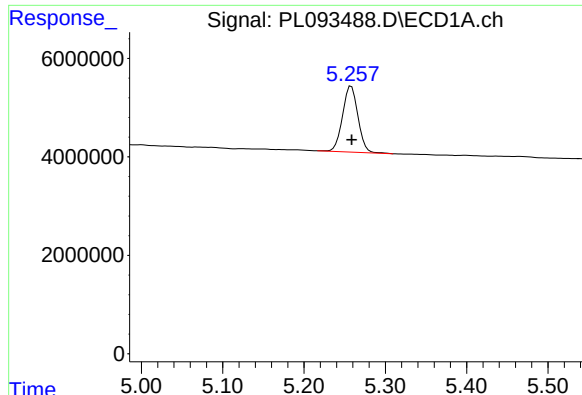
#4 Heptachlor

R.T.: 4.917 min
Delta R.T.: 0.000 min
Response: 17511436
Conc: 6.25 ng/ml



#4 Heptachlor

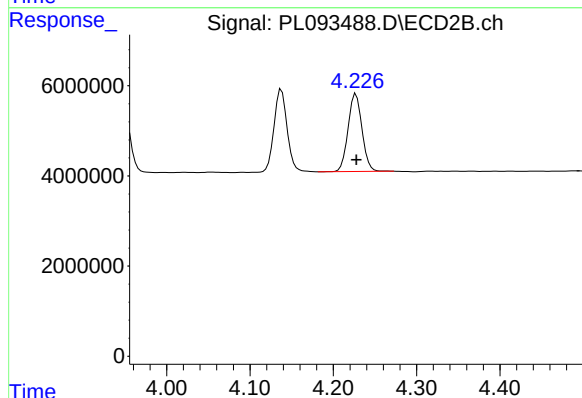
R.T.: 3.948 min
Delta R.T.: 0.000 min
Response: 20989422
Conc: 5.05 ng/ml



#5 Aldrin

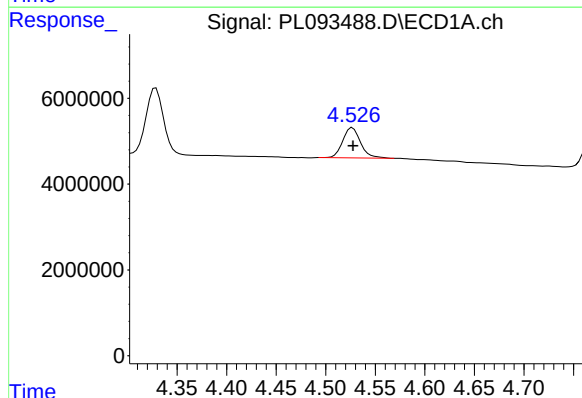
R.T.: 5.258 min
Delta R.T.: 0.000 min
Response: 17581628
Conc: 6.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



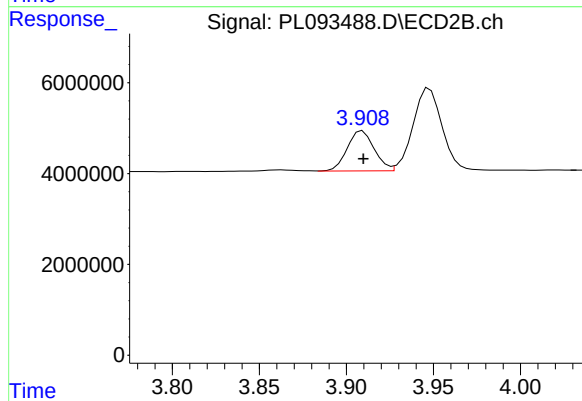
#5 Aldrin

R.T.: 4.227 min
Delta R.T.: 0.000 min
Response: 20036521
Conc: 4.87 ng/ml



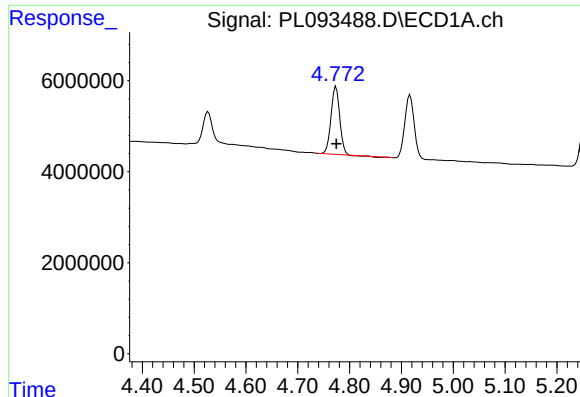
#6 beta-BHC

R.T.: 4.527 min
Delta R.T.: 0.000 min
Response: 8810873
Conc: 6.39 ng/ml



#6 beta-BHC

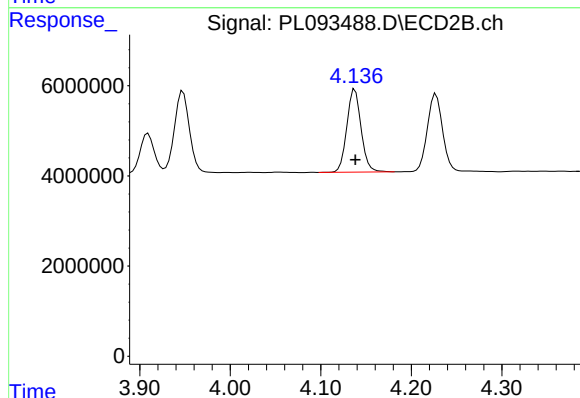
R.T.: 3.909 min
Delta R.T.: 0.000 min
Response: 9564220
Conc: 5.39 ng/ml



#7 delta-BHC

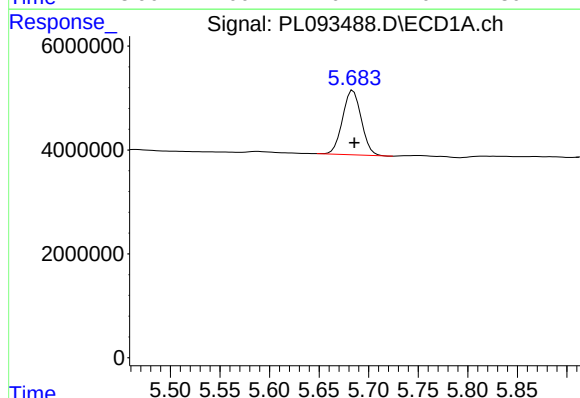
R.T.: 4.774 min
Delta R.T.: 0.000 min
Response: 17184513
Conc: 5.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



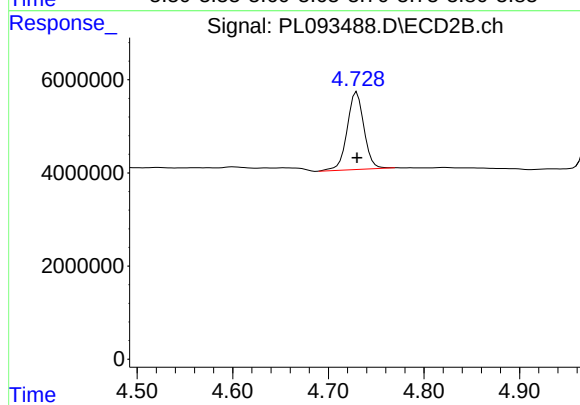
#7 delta-BHC

R.T.: 4.138 min
Delta R.T.: 0.000 min
Response: 20232547
Conc: 4.74 ng/ml



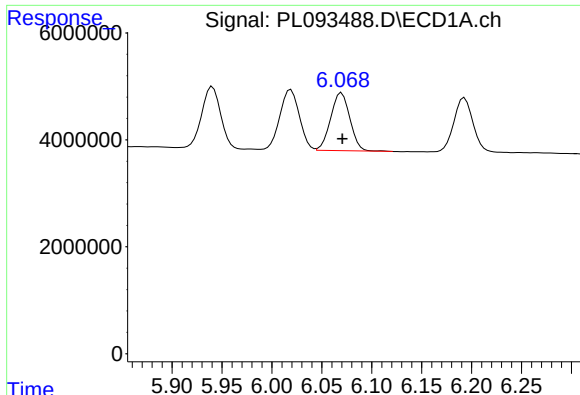
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: -0.001 min
Response: 16248548
Conc: 6.48 ng/ml



#8 Heptachlor epoxide

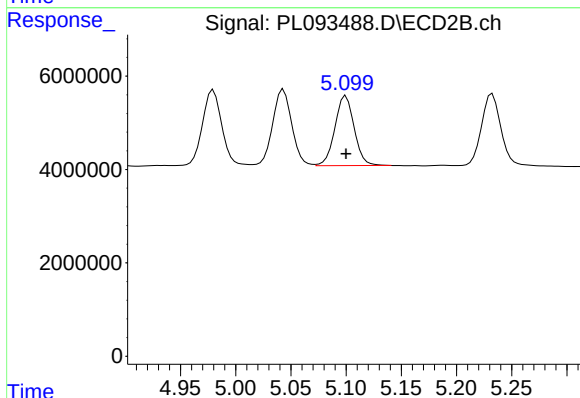
R.T.: 4.730 min
Delta R.T.: 0.000 min
Response: 20492257
Conc: 5.45 ng/ml



#9 Endosulfan I

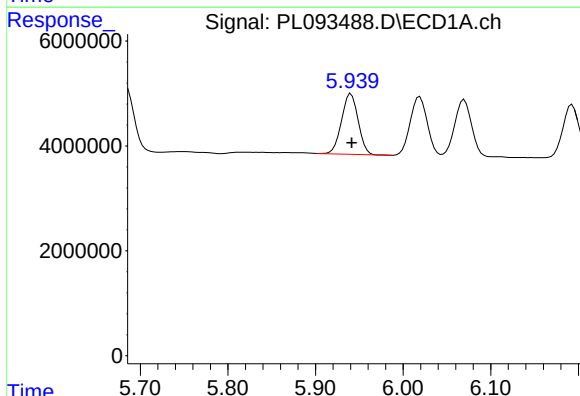
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 14505341
Conc: 6.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



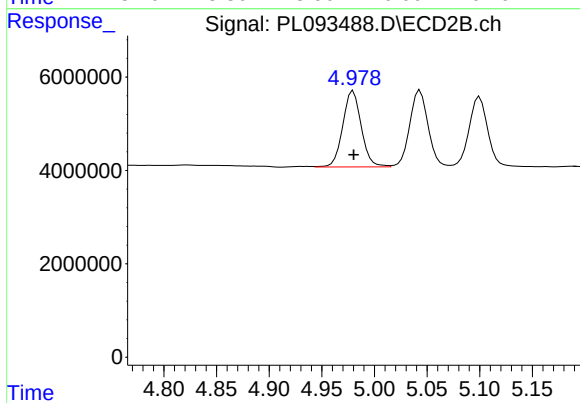
#9 Endosulfan I

R.T.: 5.100 min
Delta R.T.: 0.000 min
Response: 18122463
Conc: 5.24 ng/ml



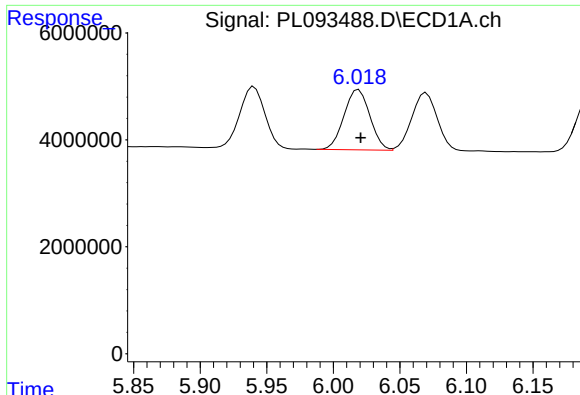
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 15205469
Conc: 6.33 ng/ml



#10 gamma-Chlordane

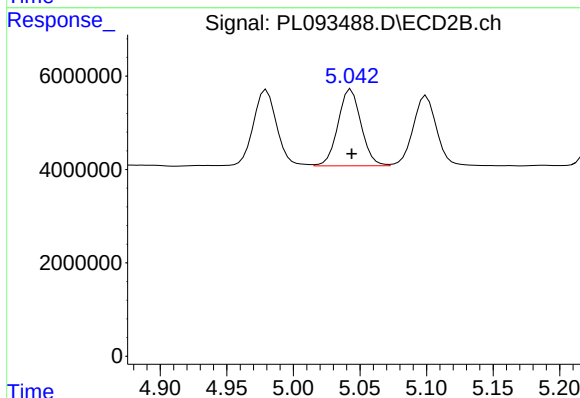
R.T.: 4.980 min
Delta R.T.: 0.000 min
Response: 19999538
Conc: 5.27 ng/ml



#11 alpha-Chlordane

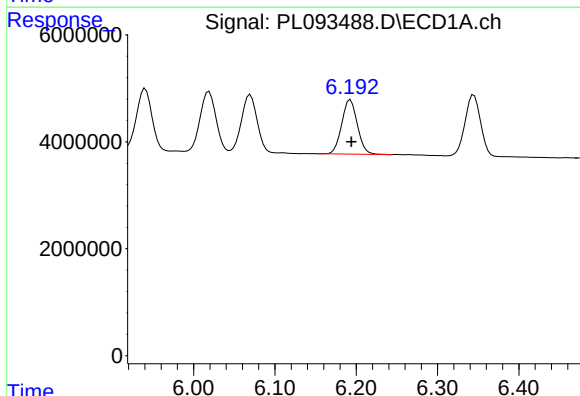
R.T.: 6.019 min
Delta R.T.: -0.001 min
Response: 15233484
Conc: 6.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



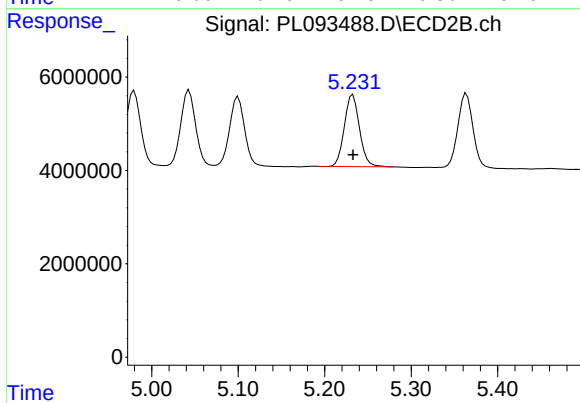
#11 alpha-Chlordane

R.T.: 5.043 min
Delta R.T.: 0.000 min
Response: 19770126
Conc: 5.26 ng/ml



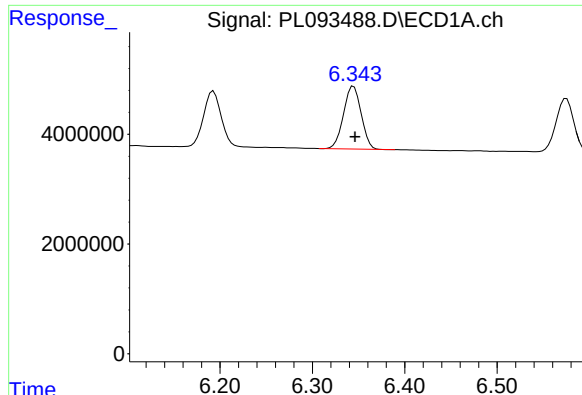
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: -0.001 min
Response: 13518455
Conc: 6.31 ng/ml



#12 4,4'-DDE

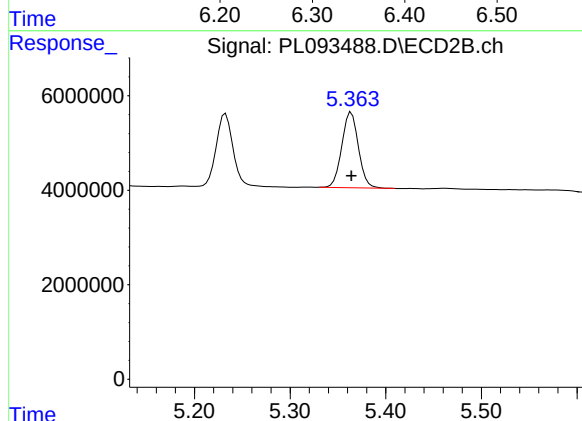
R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 18555428
Conc: 5.07 ng/ml



#13 Dieldrin

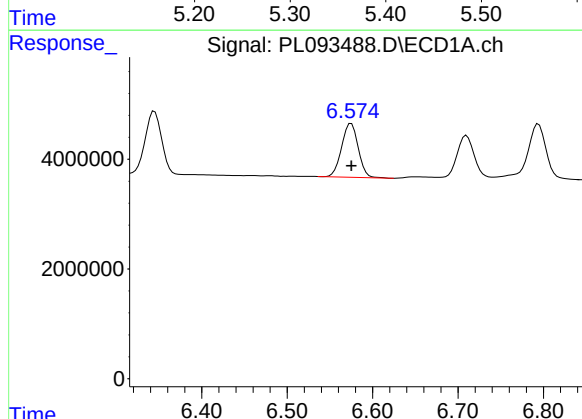
R.T.: 6.345 min
Delta R.T.: -0.001 min
Response: 15185715
Conc: 6.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



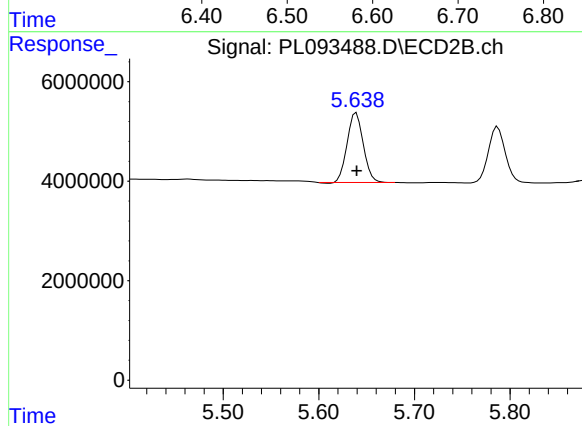
#13 Dieldrin

R.T.: 5.364 min
Delta R.T.: 0.000 min
Response: 19288943
Conc: 5.03 ng/ml



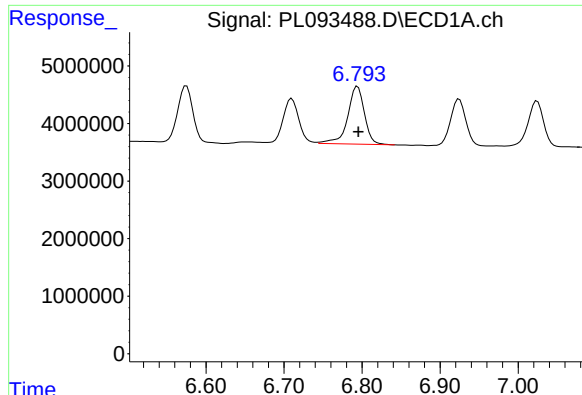
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 13290669
Conc: 6.49 ng/ml



#14 Endrin

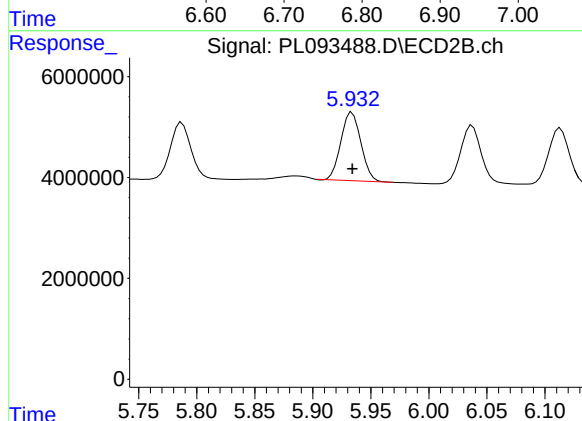
R.T.: 5.639 min
Delta R.T.: 0.000 min
Response: 16436761
Conc: 4.96 ng/ml



#15 Endosulfan II

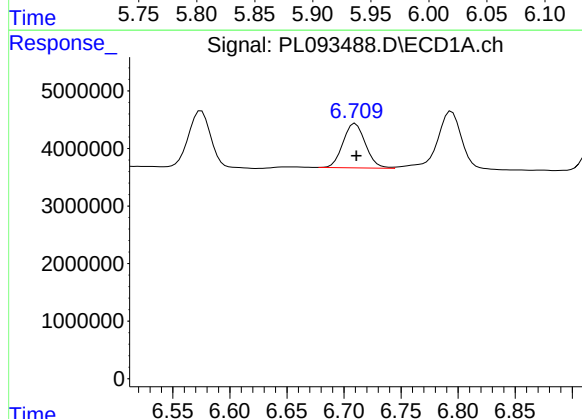
R.T.: 6.794 min
Delta R.T.: -0.001 min
Response: 14897483
Conc: 7.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



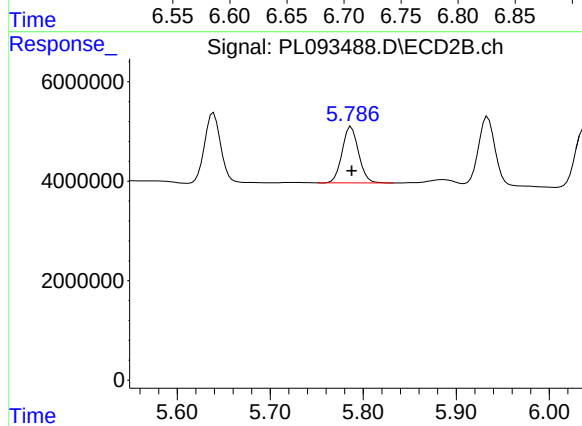
#15 Endosulfan II

R.T.: 5.934 min
Delta R.T.: 0.000 min
Response: 16262475
Conc: 5.00 ng/ml



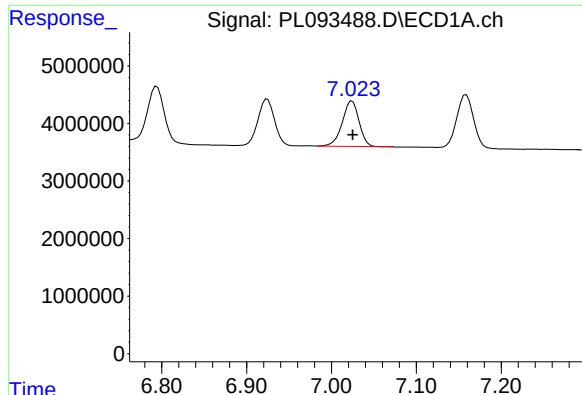
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 10569136
Conc: 6.27 ng/ml



#16 4,4'-DDD

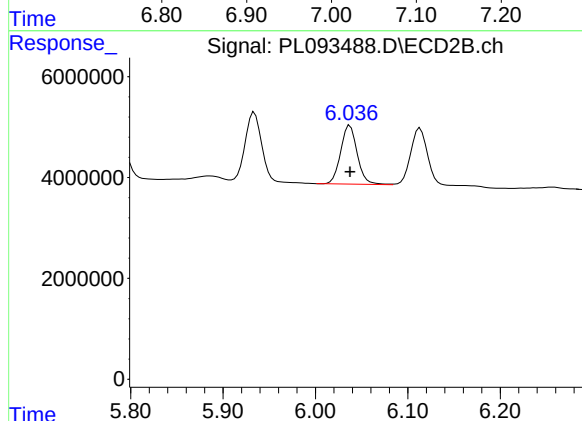
R.T.: 5.787 min
Delta R.T.: 0.000 min
Response: 13916859
Conc: 4.91 ng/ml



#17 4,4'-DDT

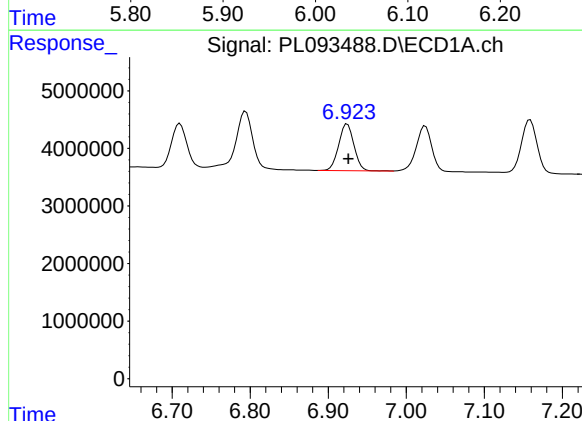
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 10887277
Conc: 6.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



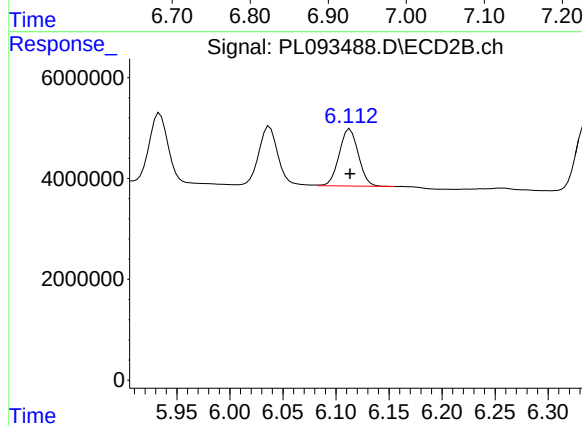
#17 4,4'-DDT

R.T.: 6.037 min
Delta R.T.: 0.000 min
Response: 14496531
Conc: 4.77 ng/ml



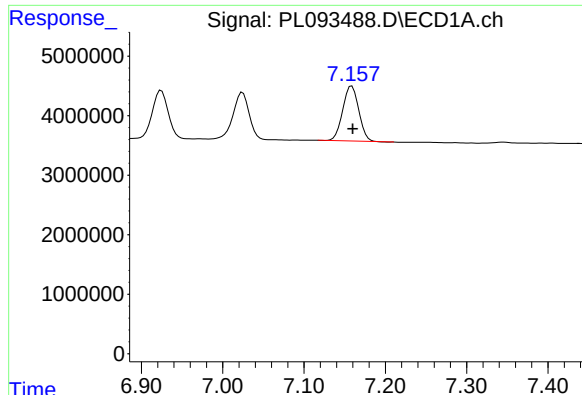
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: -0.001 min
Response: 11109839
Conc: 6.61 ng/ml



#18 Endrin aldehyde

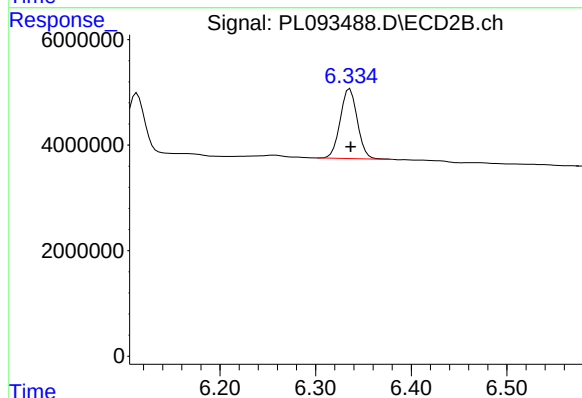
R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 14229329
Conc: 5.36 ng/ml



#19 Endosulfan Sulfate

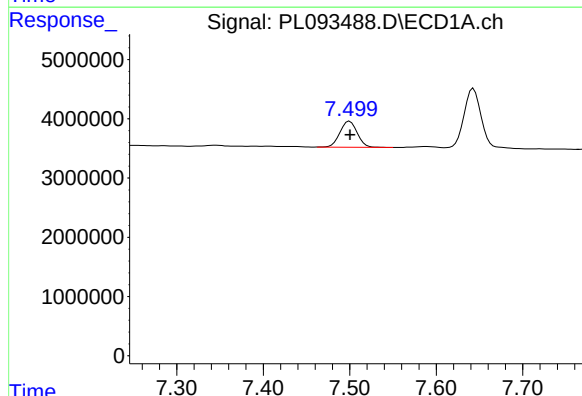
R.T.: 7.159 min
Delta R.T.: -0.001 min
Response: 12606082
Conc: 6.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



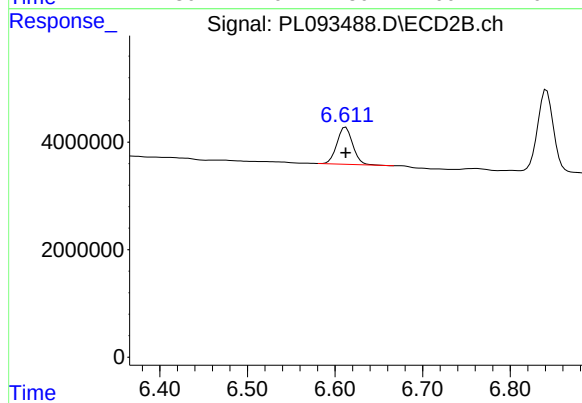
#19 Endosulfan Sulfate

R.T.: 6.336 min
Delta R.T.: 0.000 min
Response: 16498721
Conc: 5.30 ng/ml



#20 Methoxychlor

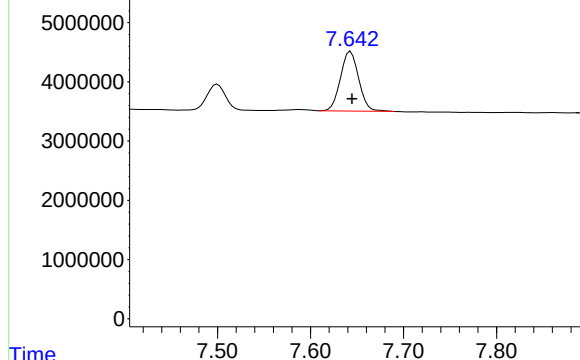
R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 6046109
Conc: 6.26 ng/ml



#20 Methoxychlor

R.T.: 6.612 min
Delta R.T.: 0.000 min
Response: 8720001
Conc: 5.48 ng/ml

Response_ Signal: PL093488.D\ECD1A.ch

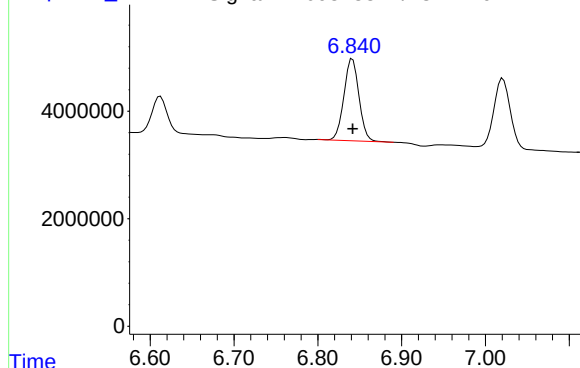


#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: -0.002 min
Response: 13753382
Conc: 6.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

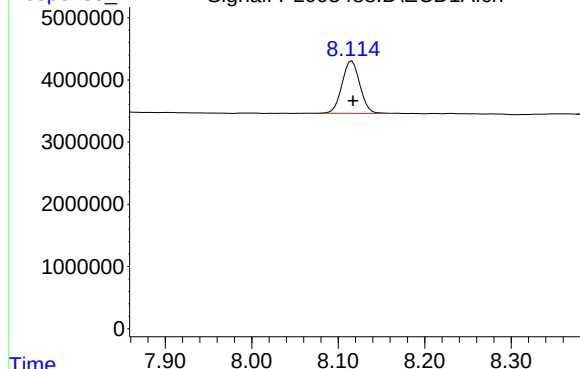
Time Response_ Signal: PL093488.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.841 min
Delta R.T.: 0.000 min
Response: 19006345
Conc: 5.25 ng/ml

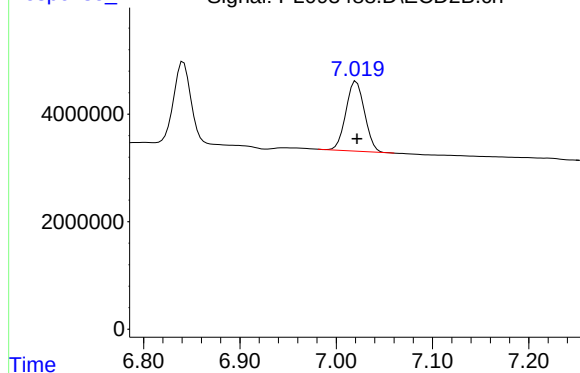
Time Response_ Signal: PL093488.D\ECD1A.ch



#22 Mirex

R.T.: 8.116 min
Delta R.T.: -0.001 min
Response: 11967581
Conc: 6.80 ng/ml

Time Response_ Signal: PL093488.D\ECD2B.ch



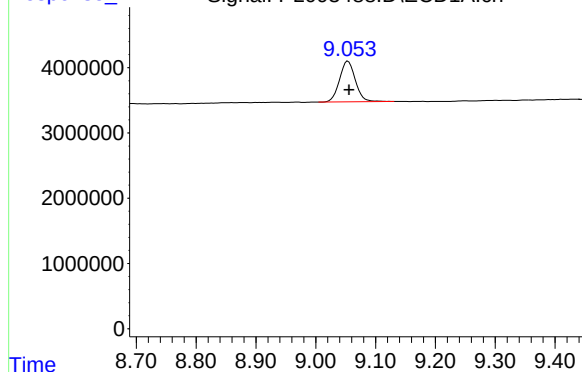
#22 Mirex

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 17368842
Conc: 5.87 ng/ml

Response_

Signal: PL093488.D\ECD1A.ch

#28 Decachlorobiphenyl



R.T.: 9.054 min
Delta R.T.: -0.002 min
Response: 11457436
Conc: 6.45 ng/ml

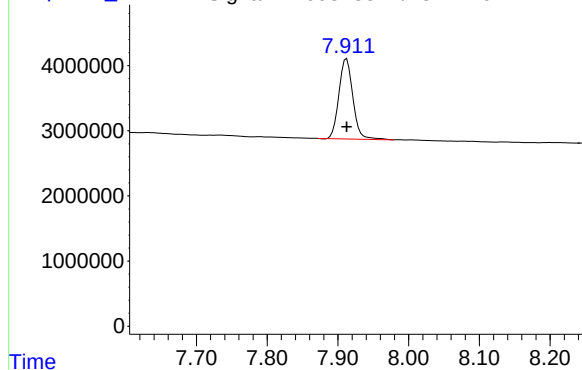
Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Time

Response_

Signal: PL093488.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 16833079
Conc: 5.83 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
 Data File : PL093491.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Dec 2024 14:50
 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: Dec 24 15:22:27 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 15:21:20 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.541	2.776	116.4E6	172.9E6	50.000	50.000
28)	SA Decachlor...	9.055	7.912	87811107	148.3E6	50.000	50.000
Target Compounds							
23)	Chlordane-1	4.702	3.773	52505045	58990929	500.000	500.000
24)	Chlordane-2	5.231	4.350	52346160	67813428	500.000	500.000
25)	Chlordane-3	5.941	4.979	178.6E6	208.0E6	500.000	500.000
26)	Chlordane-4	6.023	5.042	214.5E6	203.7E6	500.000	500.000
27)	Chlordane-5	6.872	5.938	41412907	66199235	500.000	500.000

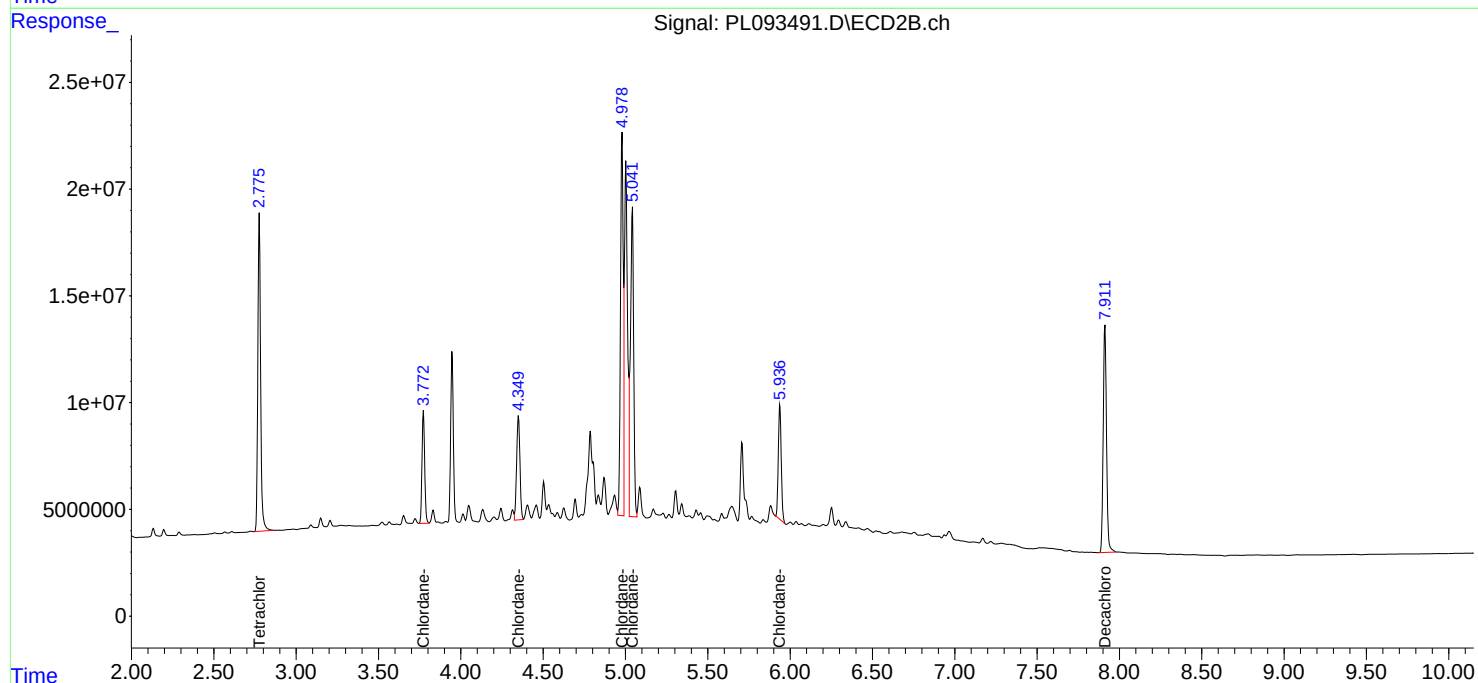
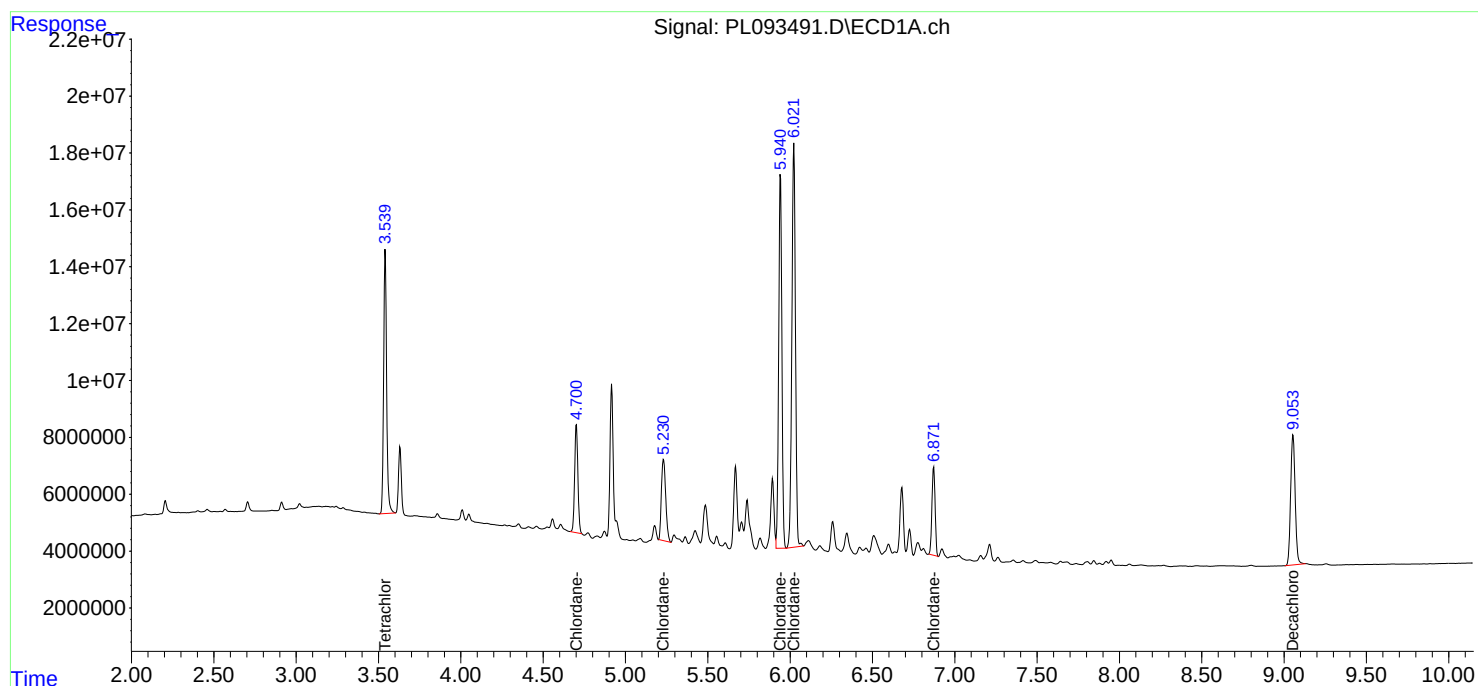
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
Data File : PL093491.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Dec 2024 14:50
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

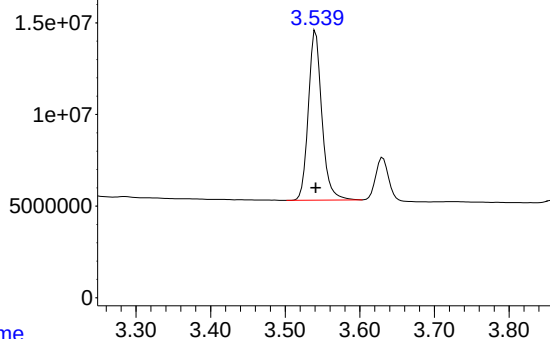
Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 24 15:22:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:21:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PL093491.D\ECD1A.ch

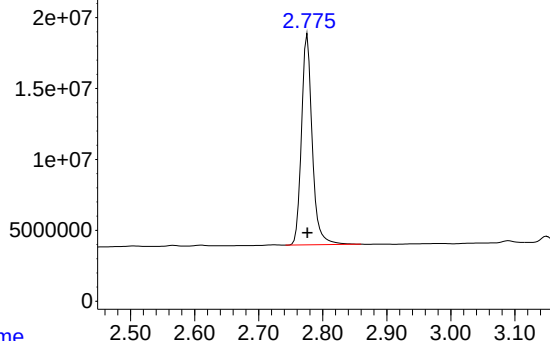


#1 Tetrachloro-m-xylene

R.T.: 3.541 min
Delta R.T.: 0.000 min
Response: 116408845
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

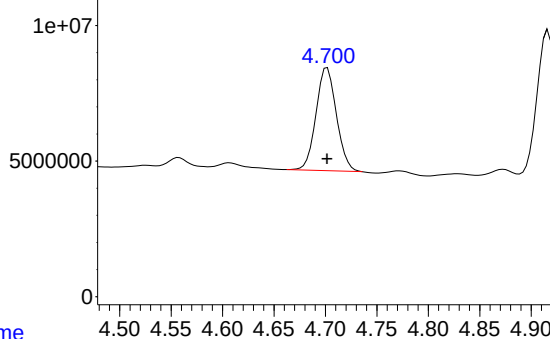
Time Response_ Signal: PL093491.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: 0.000 min
Response: 172928217
Conc: 50.00 ng/ml

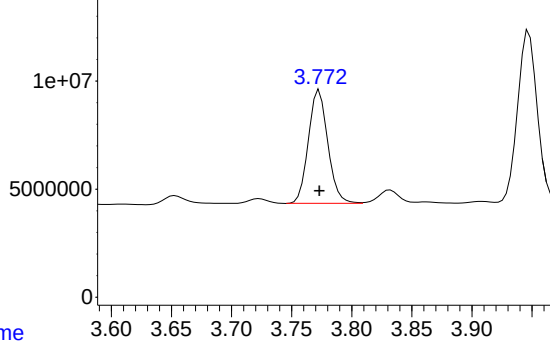
Time Response_ Signal: PL093491.D\ECD1A.ch



#23 Chlordane-1

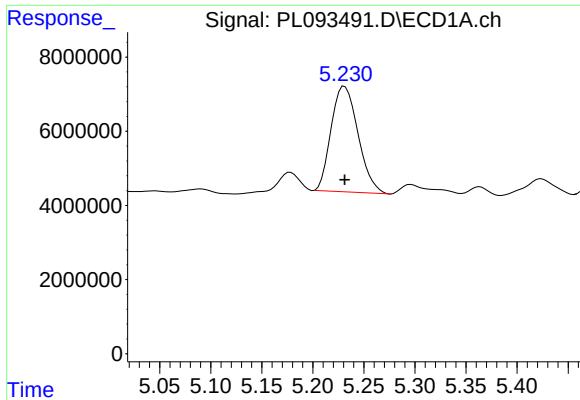
R.T.: 4.702 min
Delta R.T.: 0.000 min
Response: 52505045
Conc: 500.00 ng/ml

Time Response_ Signal: PL093491.D\ECD2B.ch



#23 Chlordane-1

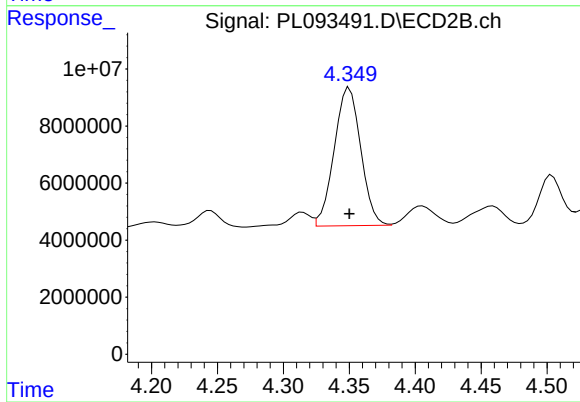
R.T.: 3.773 min
Delta R.T.: 0.000 min
Response: 58990929
Conc: 500.00 ng/ml



#24 Chlordane-2

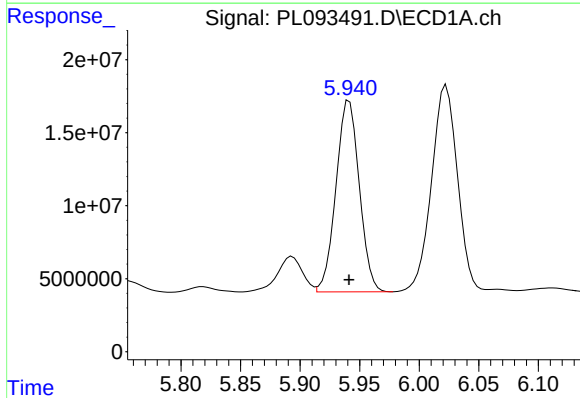
R.T.: 5.231 min
Delta R.T.: 0.000 min
Response: 52346160
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



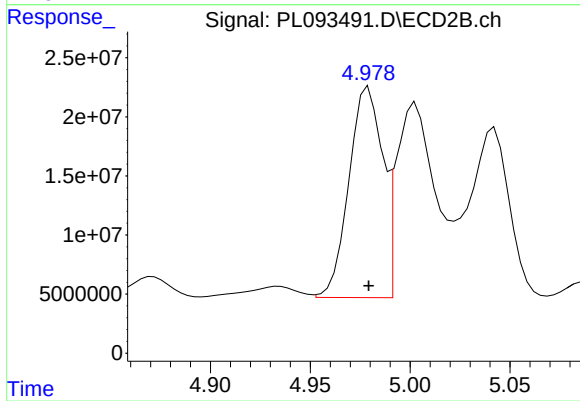
#24 Chlordane-2

R.T.: 4.350 min
Delta R.T.: 0.000 min
Response: 67813428
Conc: 500.00 ng/ml



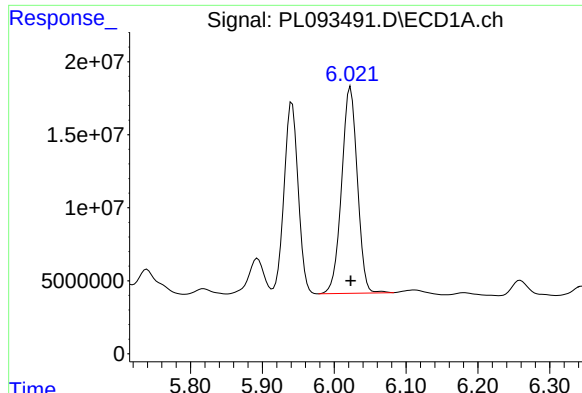
#25 Chlordane-3

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 178600259
Conc: 500.00 ng/ml



#25 Chlordane-3

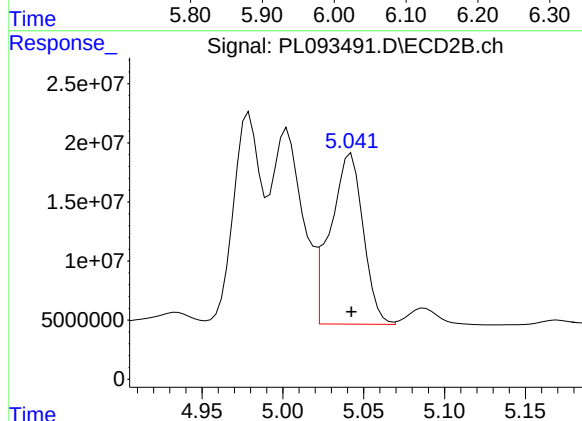
R.T.: 4.979 min
Delta R.T.: 0.000 min
Response: 207986959
Conc: 500.00 ng/ml



#26 Chlordane-4

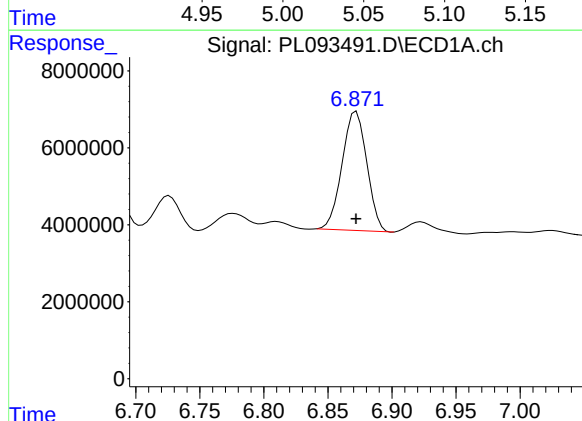
R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 214508757
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



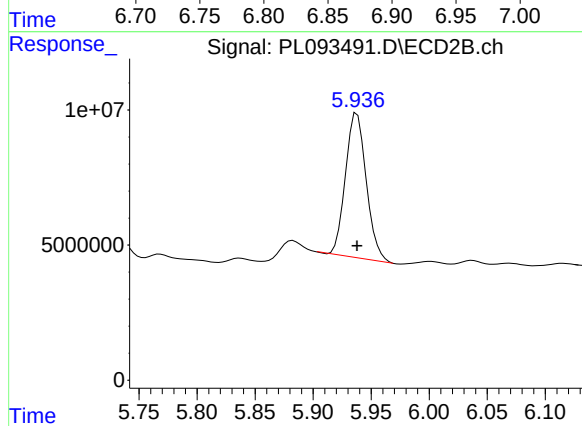
#26 Chlordane-4

R.T.: 5.042 min
Delta R.T.: 0.000 min
Response: 203680202
Conc: 500.00 ng/ml



#27 Chlordane-5

R.T.: 6.872 min
Delta R.T.: 0.000 min
Response: 41412907
Conc: 500.00 ng/ml



#27 Chlordane-5

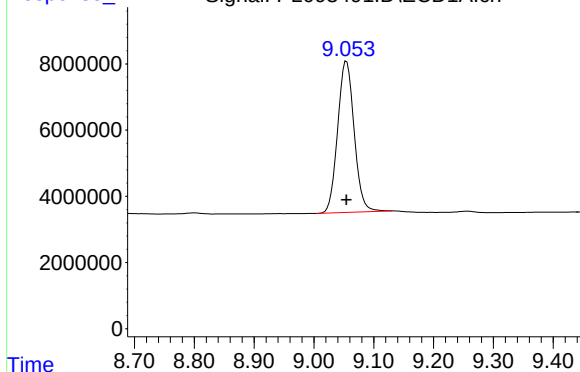
R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 66199235
Conc: 500.00 ng/ml

Response_

Signal: PL093491.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



R.T.: 9.055 min
Delta R.T.: 0.000 min
Response: 87811107
Conc: 50.00 ng/ml

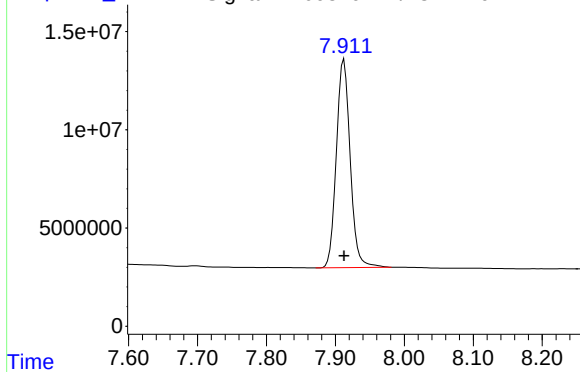
Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Time

Response_

Signal: PL093491.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 148266279
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
 Data File : PL093496.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Dec 2024 15:58
 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: Dec 24 15:02:30 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 15:01:13 2024
 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...	3.541	2.777	122.0E6	148.7E6	50.000	50.000
7) SA Decachlor...	9.055	7.912	90391855	152.0E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.237	5.004	11382436	11621530	500.000	500.000
3) Toxaphene-2	6.442	5.329	7636420	11403684	500.000	500.000
4) Toxaphene-3	7.059	5.687	36561917	12579461	500.000	500.000
5) Toxaphene-4	7.149	6.602	27288097	40787402	500.000	500.000
6) Toxaphene-5	7.933	7.042	20583197	37623850	500.000	500.000

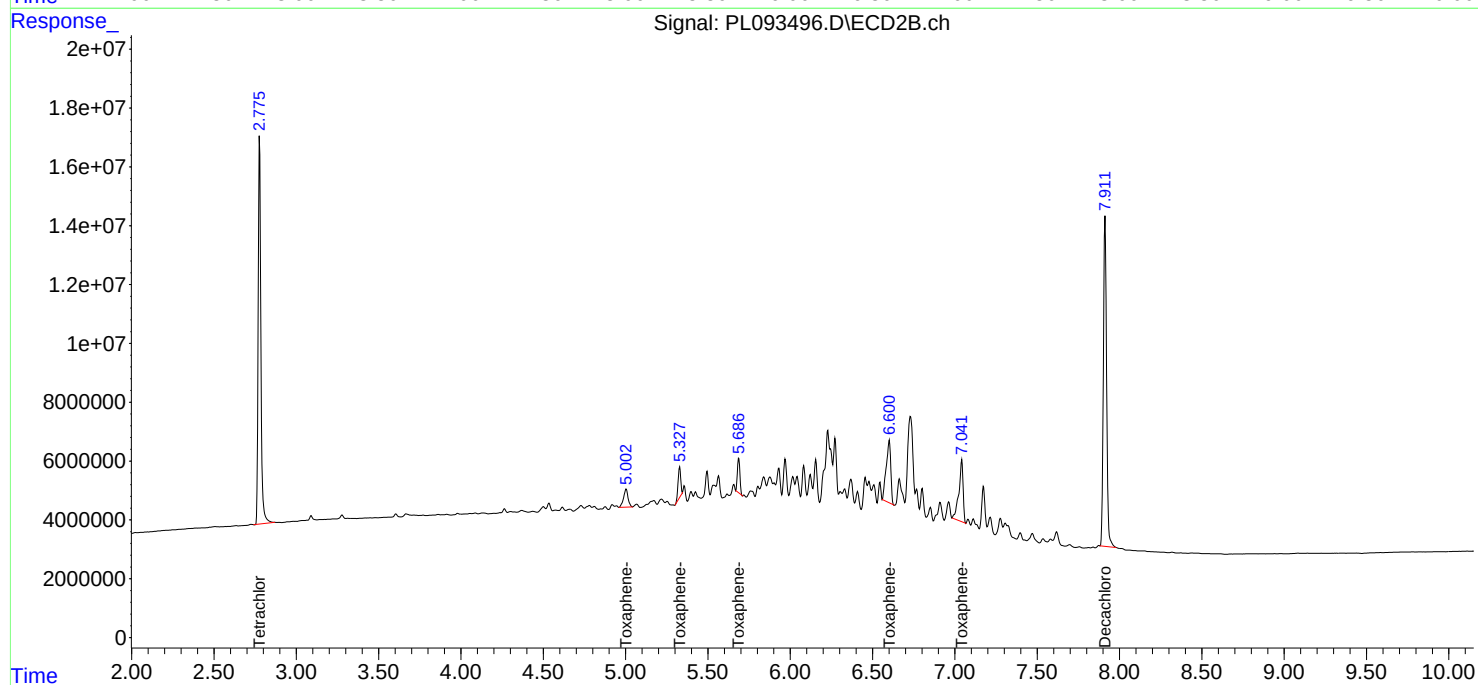
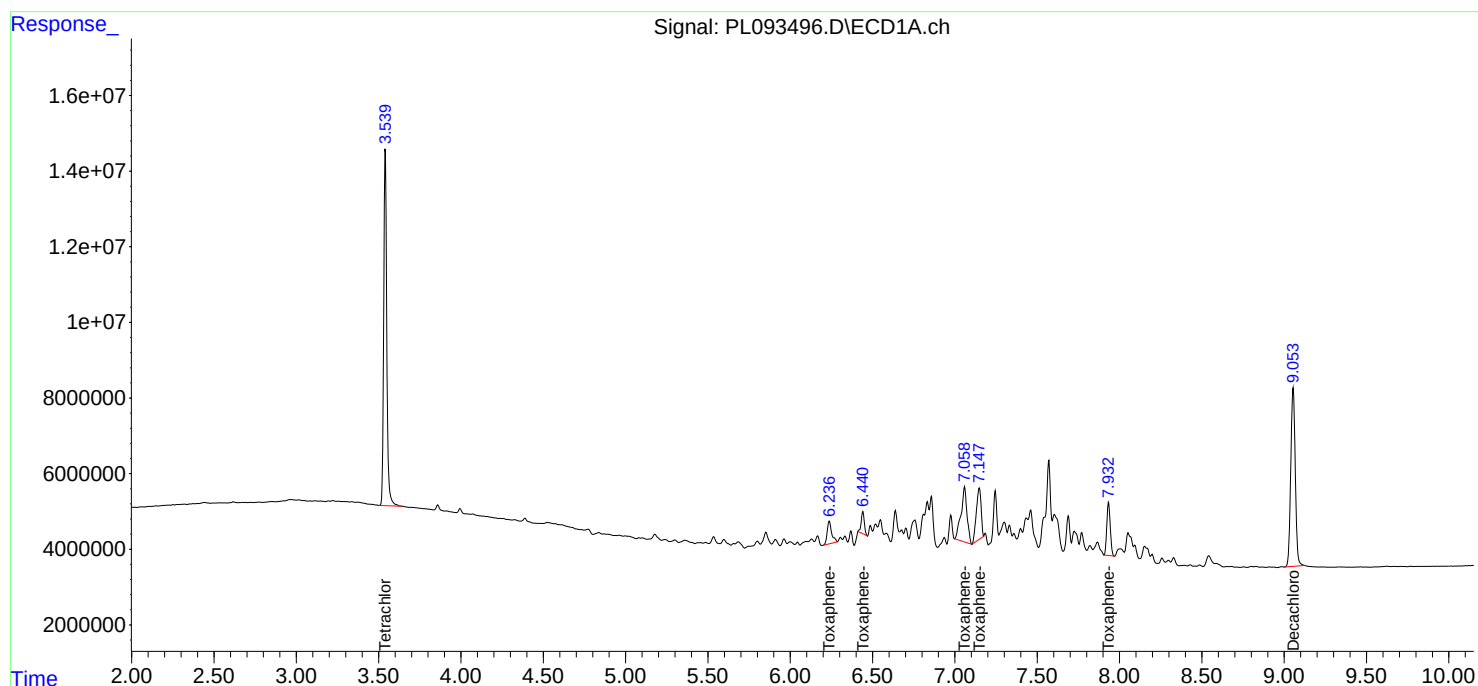
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
Data File : PL093496.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Dec 2024 15:58
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

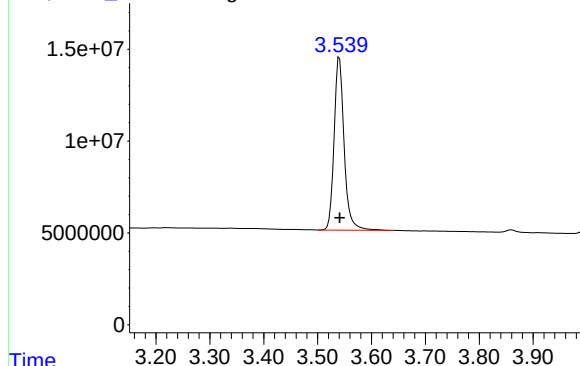
Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 24 15:02:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:01:13 2024
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



Response_ Signal: PL093496.D\ECD1A.ch

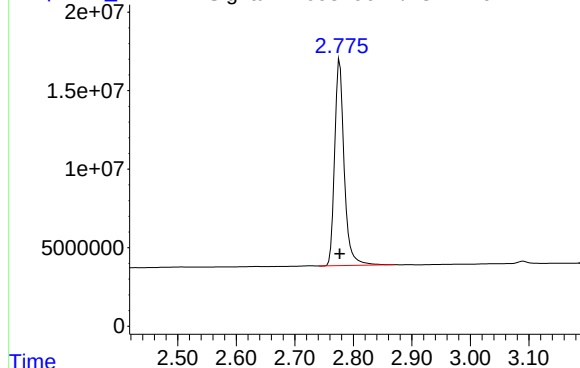


#1 Tetrachloro-m-xylene

R.T.: 3.541 min
Delta R.T.: 0.000 min
Response: 121955289
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

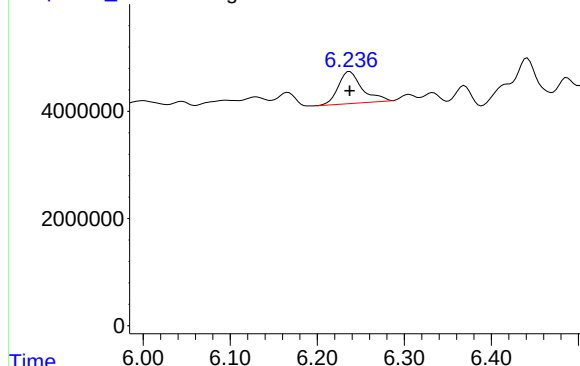
Response_ Signal: PL093496.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 148686826
Conc: 50.00 ng/ml

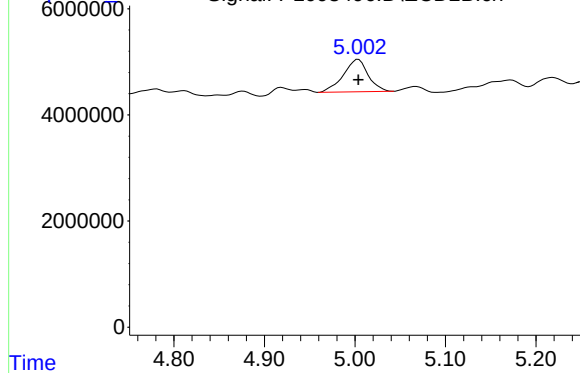
Response_ Signal: PL093496.D\ECD1A.ch



#2 Toxaphene-1

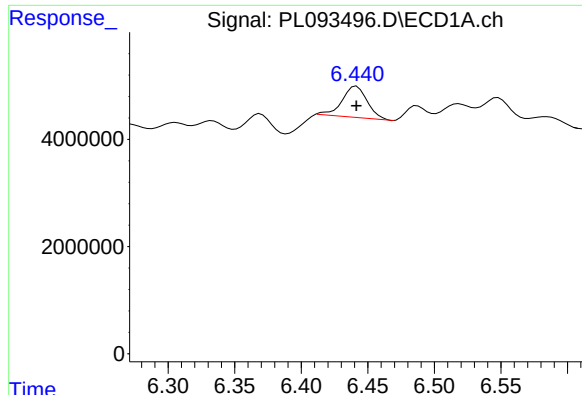
R.T.: 6.237 min
Delta R.T.: 0.000 min
Response: 11382436
Conc: 500.00 ng/ml

Response_ Signal: PL093496.D\ECD2B.ch



#2 Toxaphene-1

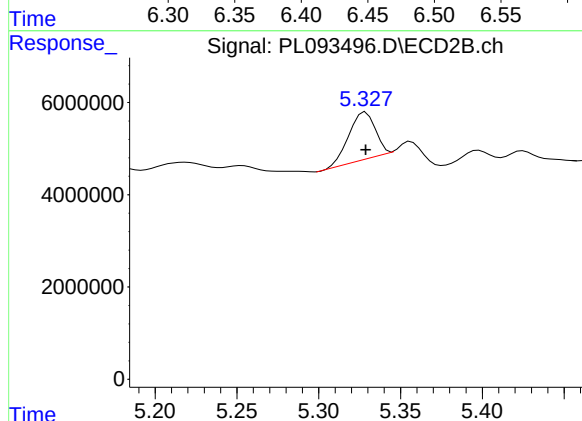
R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 11621530
Conc: 500.00 ng/ml



#3 Toxaphene-2

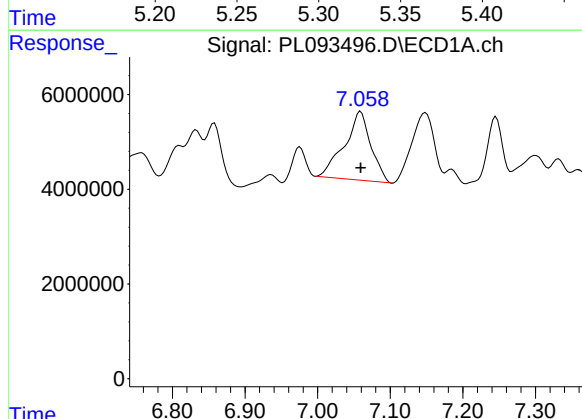
R.T.: 6.442 min
Delta R.T.: 0.000 min
Response: 7636420
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



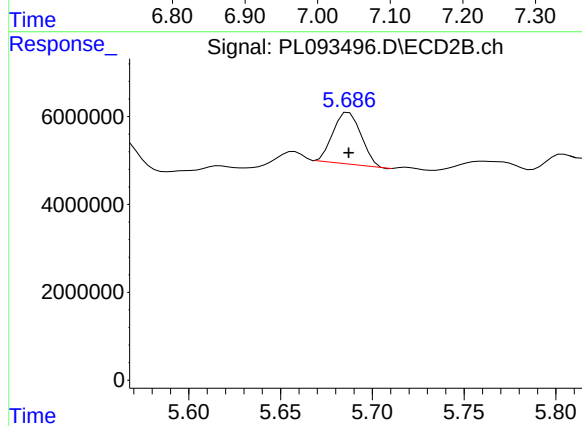
#3 Toxaphene-2

R.T.: 5.329 min
Delta R.T.: 0.000 min
Response: 11403684
Conc: 500.00 ng/ml



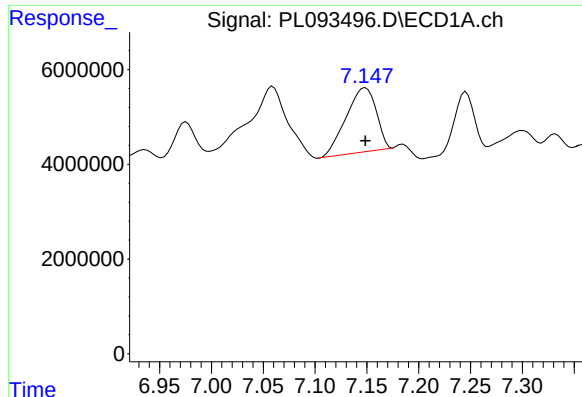
#4 Toxaphene-3

R.T.: 7.059 min
Delta R.T.: 0.000 min
Response: 36561917
Conc: 500.00 ng/ml



#4 Toxaphene-3

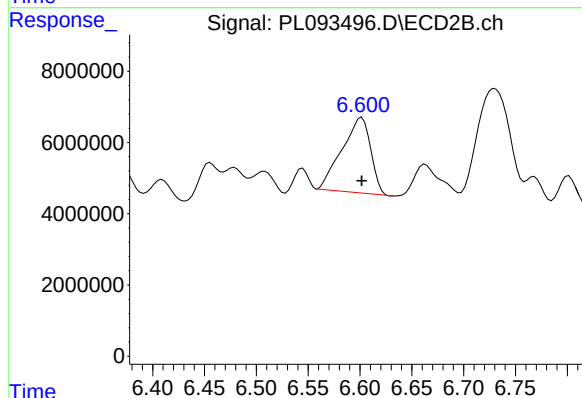
R.T.: 5.687 min
Delta R.T.: 0.000 min
Response: 12579461
Conc: 500.00 ng/ml



#5 Toxaphene-4

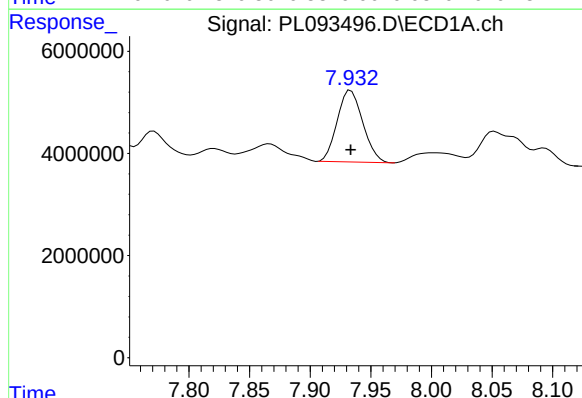
R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 27288097
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



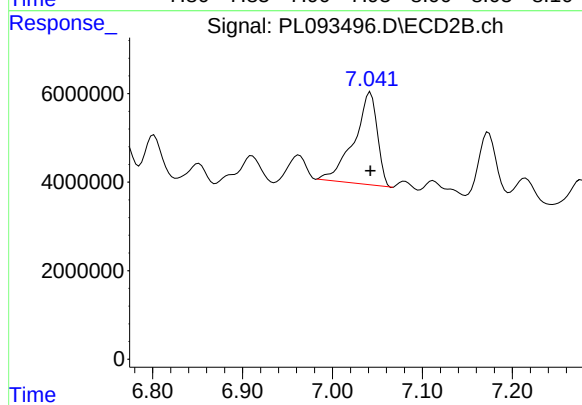
#5 Toxaphene-4

R.T.: 6.602 min
Delta R.T.: 0.000 min
Response: 40787402
Conc: 500.00 ng/ml



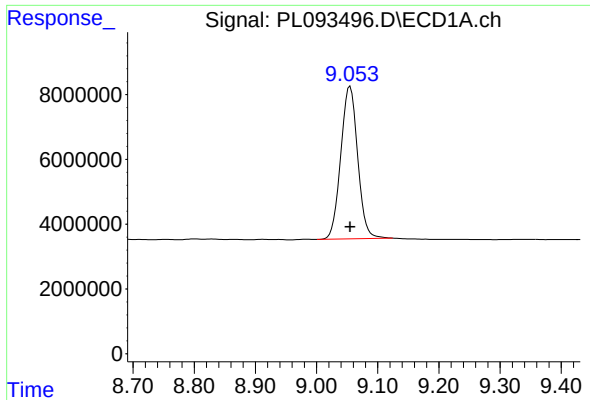
#6 Toxaphene-5

R.T.: 7.933 min
Delta R.T.: 0.000 min
Response: 20583197
Conc: 500.00 ng/ml



#6 Toxaphene-5

R.T.: 7.042 min
Delta R.T.: 0.000 min
Response: 37623850
Conc: 500.00 ng/ml

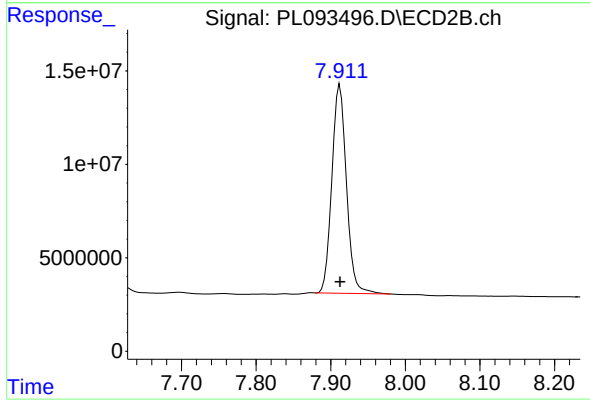


#7 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.000 min
Response: 90391855
Conc: 50.00 ng/ml

ICAL Form

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 152000184
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
 Data File : PL093499.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Dec 2024 16:38
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL122324

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 24 15:10:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 15:08:43 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.541	2.776	121.2E6	148.1E6	48.938	50.874
2)	SA Decachlor...	9.054	7.912	89737042	149.3E6	48.532	50.010
Target Compounds							
2)	A alpha-BHC	3.996	3.279	170.4E6	227.2E6	49.356	52.280
3)	MA gamma-BHC...	4.329	3.609	162.9E6	220.0E6	49.672	52.129
4)	MA Heptachlor	4.917	3.947	143.0E6	214.5E6	48.821	51.615
5)	MB Aldrin	5.258	4.227	140.9E6	212.0E6	48.450	51.687
6)	B beta-BHC	4.527	3.909	70383598	91080460	48.824	50.671
7)	B delta-BHC	4.774	4.137	151.7E6	220.7E6	49.528	52.194
8)	B Heptachlo...	5.685	4.729	127.5E6	193.9E6	48.410	50.649
9)	A Endosulfan I	6.070	5.099	114.1E6	178.3E6	48.365	51.021
10)	B gamma-Chl...	5.941	4.979	121.8E6	195.9E6	48.464	50.835
11)	B alpha-Chl...	6.020	5.043	121.5E6	193.6E6	48.532	50.858
12)	B 4,4'-DDE	6.193	5.232	109.1E6	188.2E6	48.621	51.185
13)	MA Dieldrin	6.345	5.363	120.5E6	197.7E6	48.282	51.302
14)	MA Endrin	6.575	5.638	102.9E6	170.2E6	47.783	51.456
15)	B Endosulfa...	6.795	5.933	105.8E6	168.8E6	46.532	51.941
16)	A 4,4'-DDD	6.711	5.787	85938052	144.4E6	48.941	51.022
17)	MA 4,4'-DDT	7.024	6.036	90189353	155.4E6	48.790	51.458
18)	B Endrin al...	6.925	6.112	85573532	136.2E6	48.223	50.559
19)	B Endosulfa...	7.159	6.335	97479247	161.3E6	48.280	51.119
20)	A Methoxychlor	7.500	6.611	49092628	81615484	49.108	50.704
21)	B Endrin ke...	7.644	6.840	109.1E6	187.3E6	48.605	51.455
22)	Mirex	8.116	7.021	89433507	153.4E6	47.858	50.174

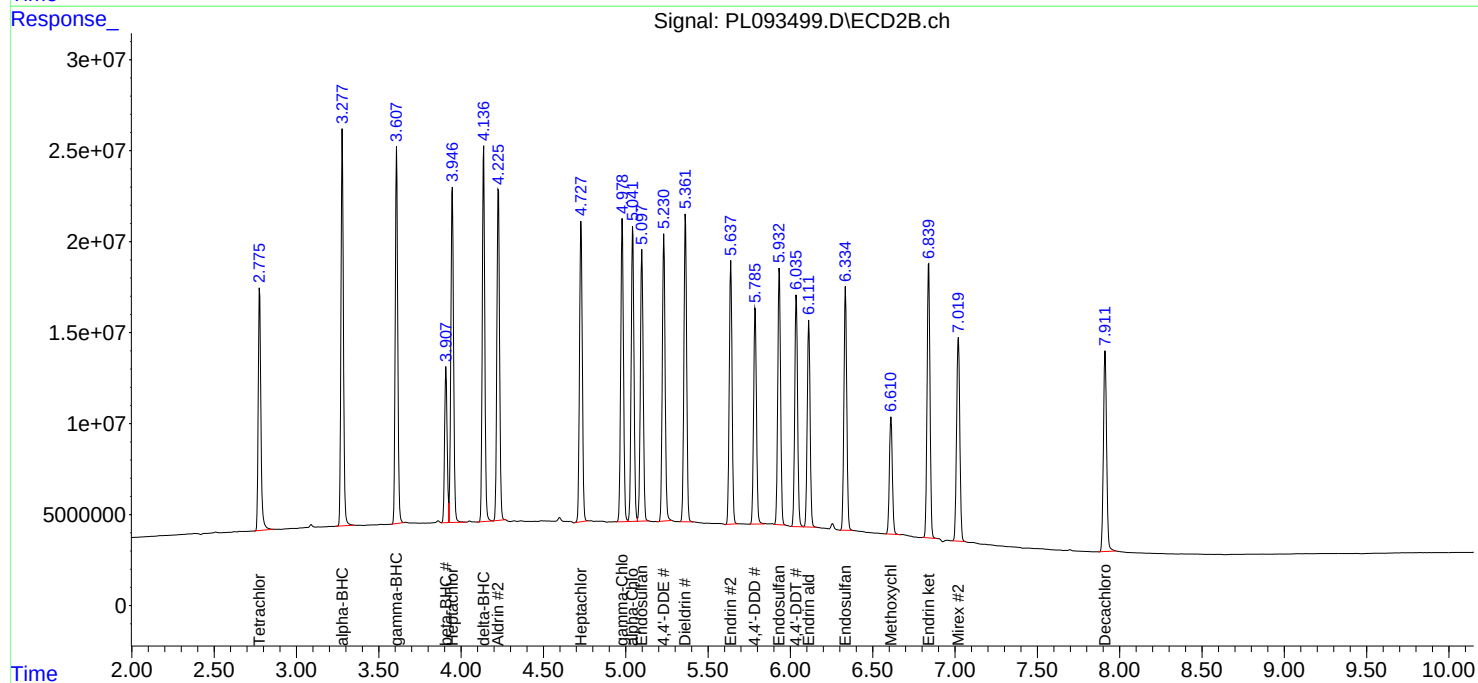
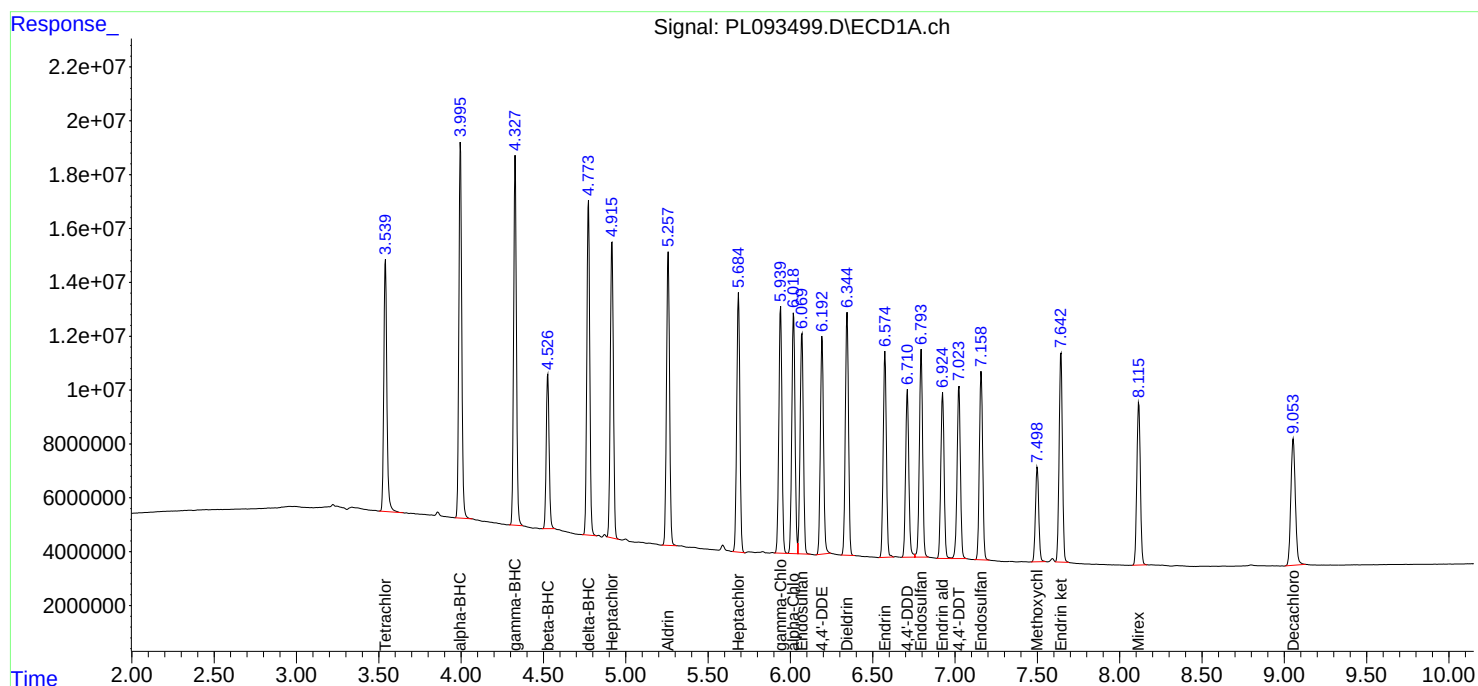
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

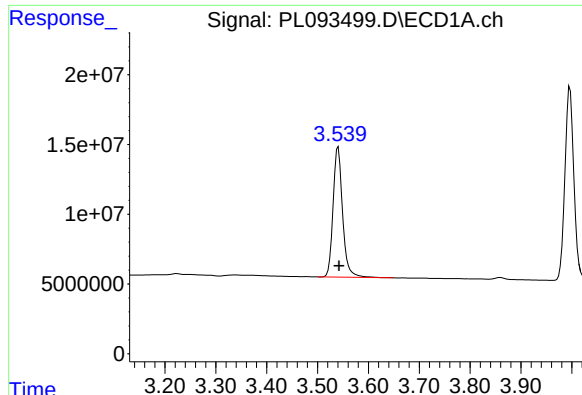
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
Data File : PL093499.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Dec 2024 16:38
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL122324

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 24 15:10:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:08:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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

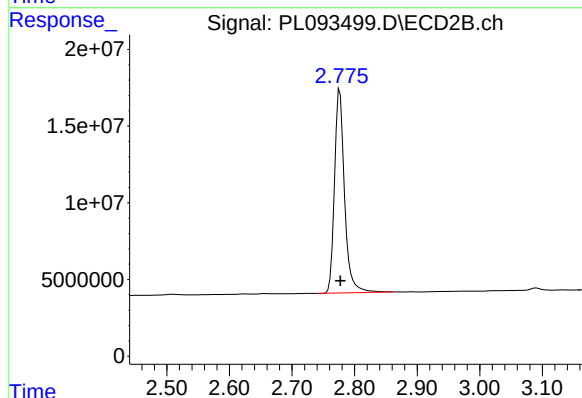




#1 Tetrachloro-m-xylene

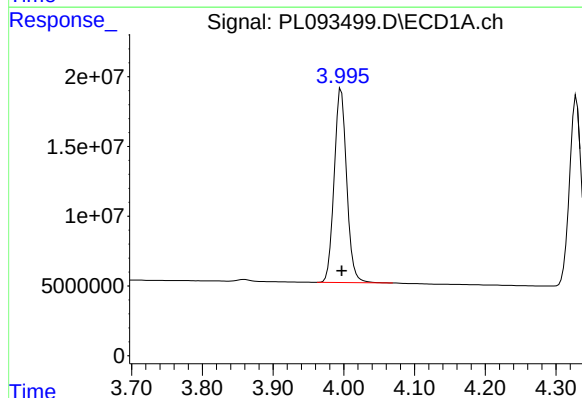
R.T.: 3.541 min
Delta R.T.: -0.001 min
Response: 121155327
Conc: 48.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL122324



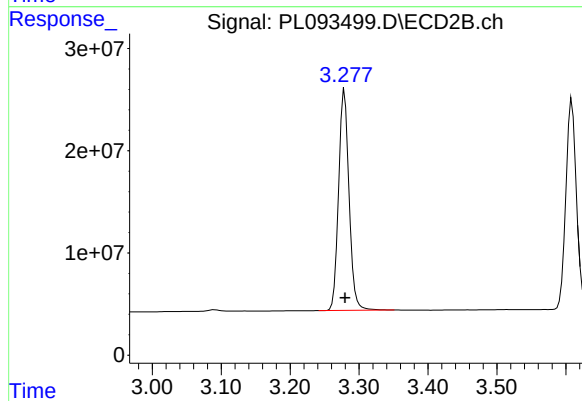
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: 0.000 min
Response: 148105695
Conc: 50.87 ng/ml



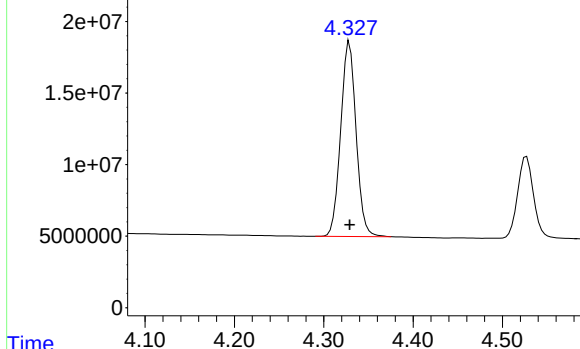
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 170396658
Conc: 49.36 ng/ml



#2 alpha-BHC

R.T.: 3.279 min
Delta R.T.: 0.000 min
Response: 227248639
Conc: 52.28 ng/ml



R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 162894832
Conc: 49.67 ng/ml

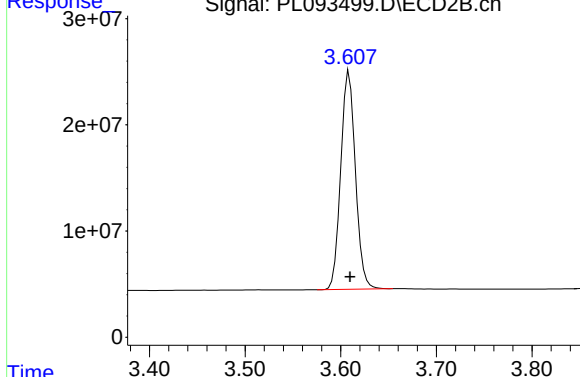
Instrument :
ECD_L
ClientSampleId :
ICVPL122324

Time

Response

Signal: PL093499.D\ECD2B.ch

#3 gamma-BHC (Lindane)



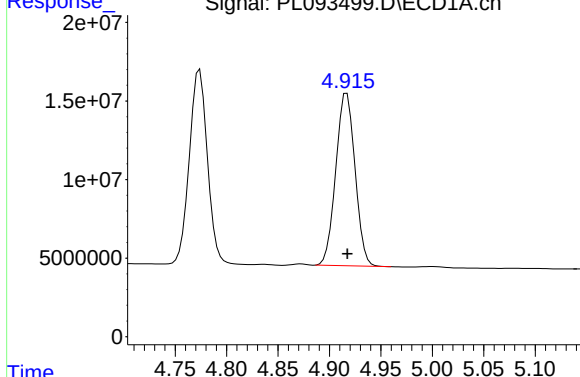
R.T.: 3.609 min
Delta R.T.: -0.001 min
Response: 219951714
Conc: 52.13 ng/ml

Time

Response

Signal: PL093499.D\ECD1A.ch

#4 Heptachlor



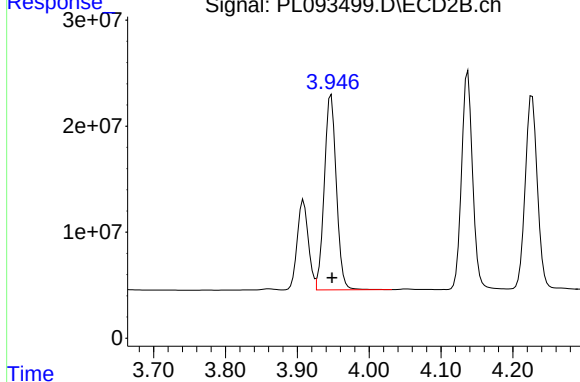
R.T.: 4.917 min
Delta R.T.: 0.000 min
Response: 142961596
Conc: 48.82 ng/ml

Time

Response

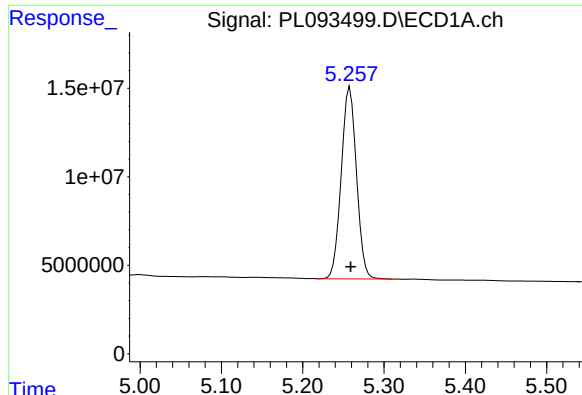
Signal: PL093499.D\ECD2B.ch

#4 Heptachlor



R.T.: 3.947 min
Delta R.T.: -0.001 min
Response: 214508781
Conc: 51.62 ng/ml

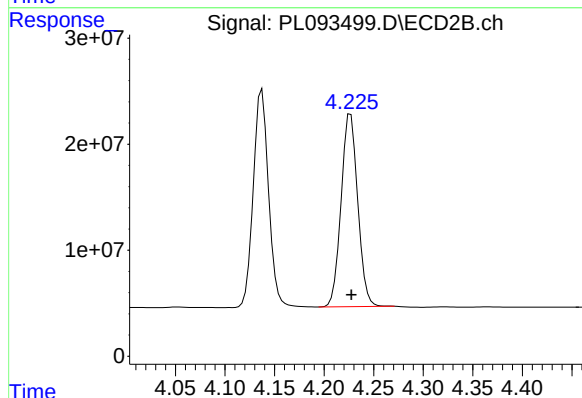
Time



#5 Aldrin

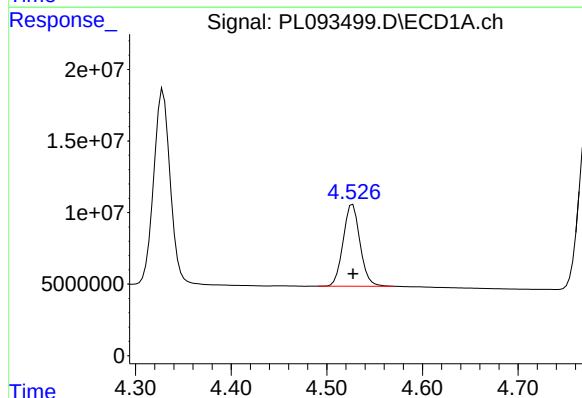
R.T.: 5.258 min
Delta R.T.: 0.000 min
Response: 140934342
Conc: 48.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL122324



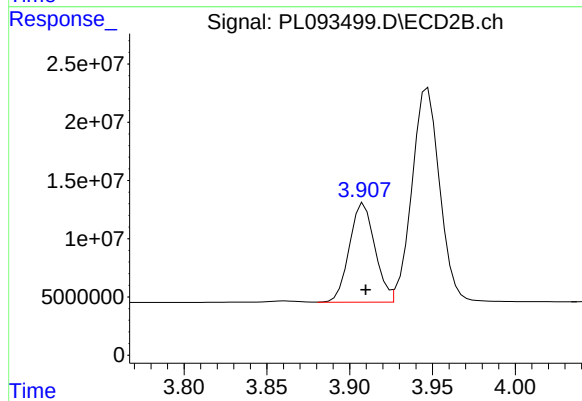
#5 Aldrin

R.T.: 4.227 min
Delta R.T.: 0.000 min
Response: 212034681
Conc: 51.69 ng/ml



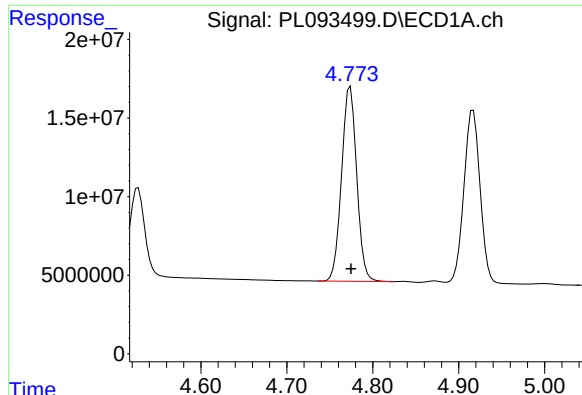
#6 beta-BHC

R.T.: 4.527 min
Delta R.T.: 0.000 min
Response: 70383598
Conc: 48.82 ng/ml



#6 beta-BHC

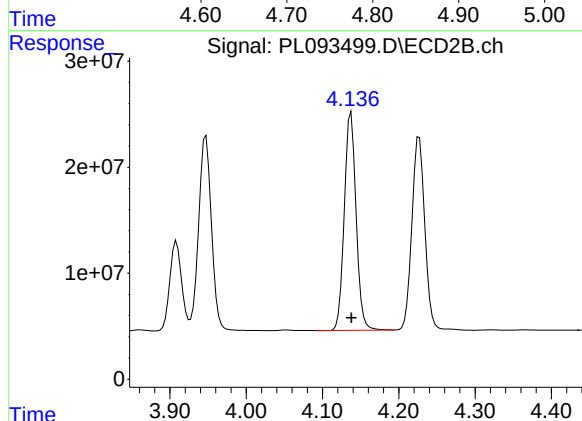
R.T.: 3.909 min
Delta R.T.: 0.000 min
Response: 91080460
Conc: 50.67 ng/ml



#7 delta-BHC

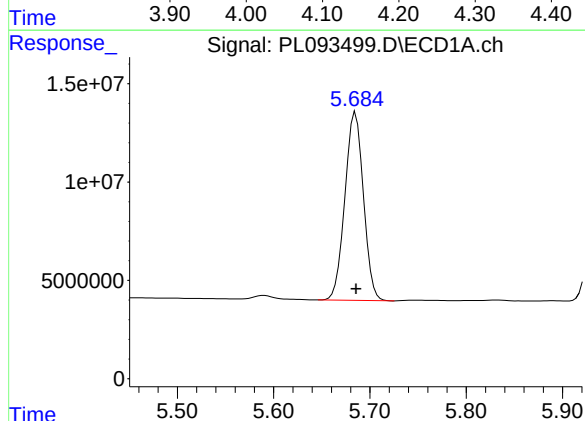
R.T.: 4.774 min
Delta R.T.: 0.000 min
Response: 151684912
Conc: 49.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL122324



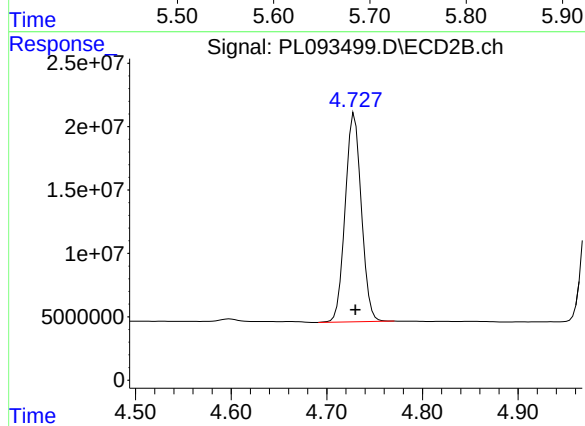
#7 delta-BHC

R.T.: 4.137 min
Delta R.T.: 0.000 min
Response: 220722812
Conc: 52.19 ng/ml



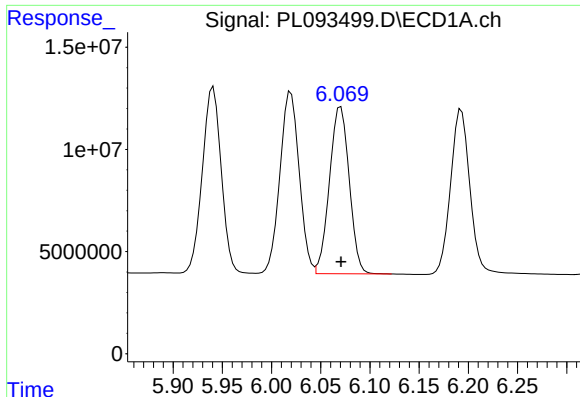
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 127530099
Conc: 48.41 ng/ml



#8 Heptachlor epoxide

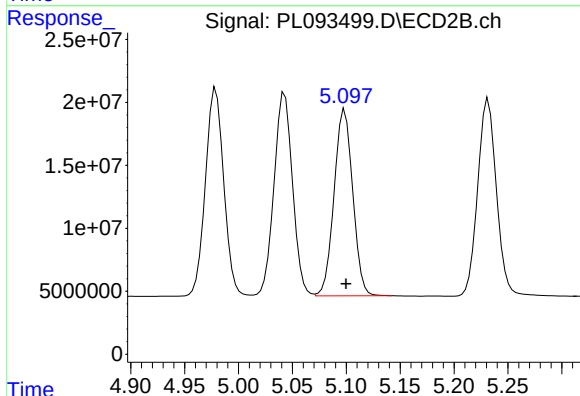
R.T.: 4.729 min
Delta R.T.: -0.001 min
Response: 193921780
Conc: 50.65 ng/ml



#9 Endosulfan I

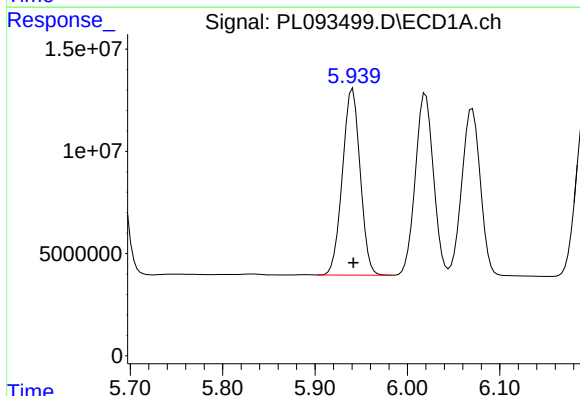
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 114104984
Conc: 48.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL122324



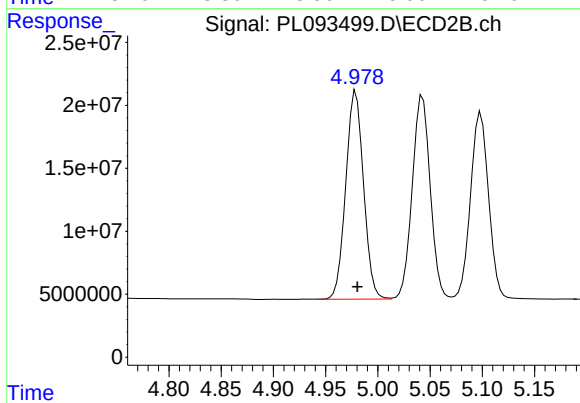
#9 Endosulfan I

R.T.: 5.099 min
Delta R.T.: -0.001 min
Response: 178265949
Conc: 51.02 ng/ml



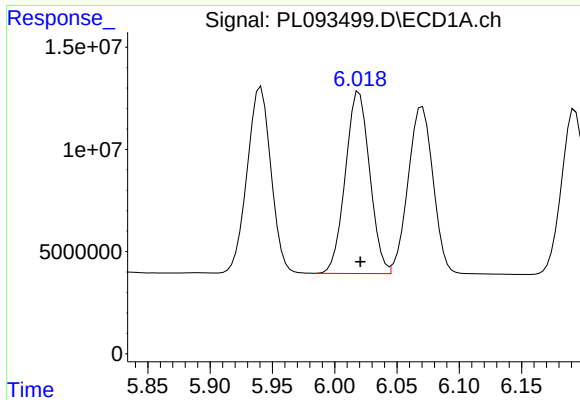
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 121795011
Conc: 48.46 ng/ml



#10 gamma-Chlordane

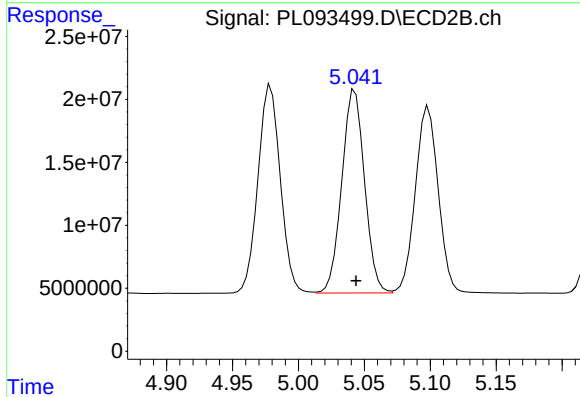
R.T.: 4.979 min
Delta R.T.: -0.001 min
Response: 195868548
Conc: 50.84 ng/ml



#11 alpha-Chlordane

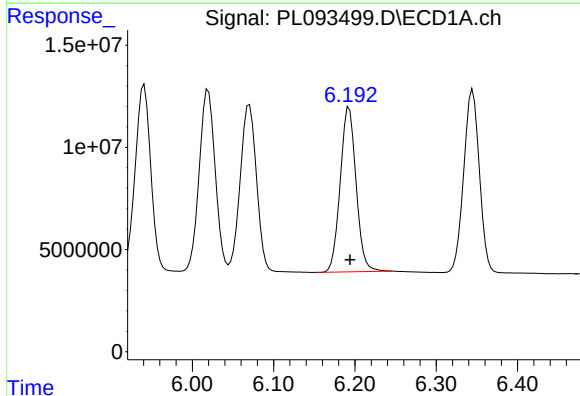
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 121470248
Conc: 48.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL122324



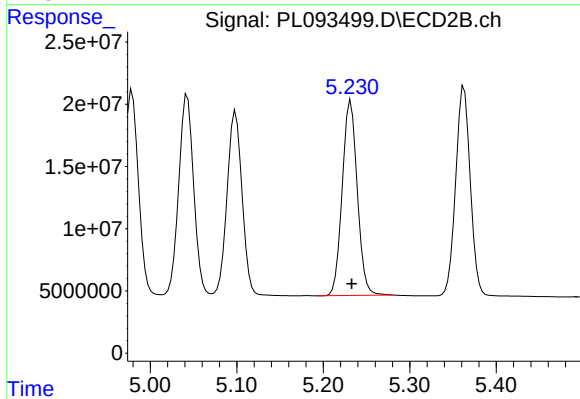
#11 alpha-Chlordane

R.T.: 5.043 min
Delta R.T.: 0.000 min
Response: 193637761
Conc: 50.86 ng/ml



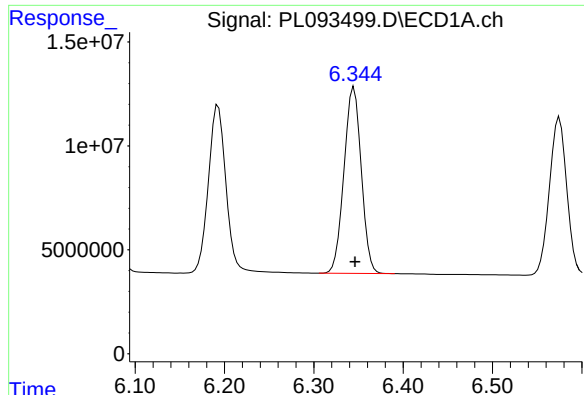
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: -0.001 min
Response: 109097612
Conc: 48.62 ng/ml



#12 4,4'-DDE

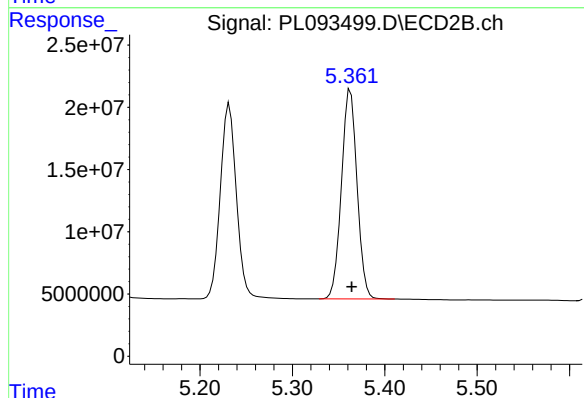
R.T.: 5.232 min
Delta R.T.: -0.001 min
Response: 188219305
Conc: 51.18 ng/ml



#13 Dieldrin

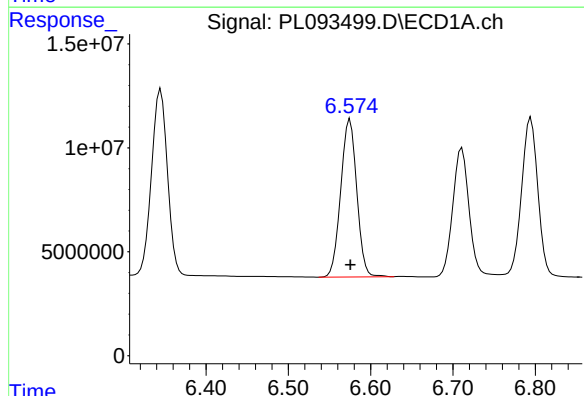
R.T.: 6.345 min
Delta R.T.: -0.001 min
Response: 120466464
Conc: 48.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL122324



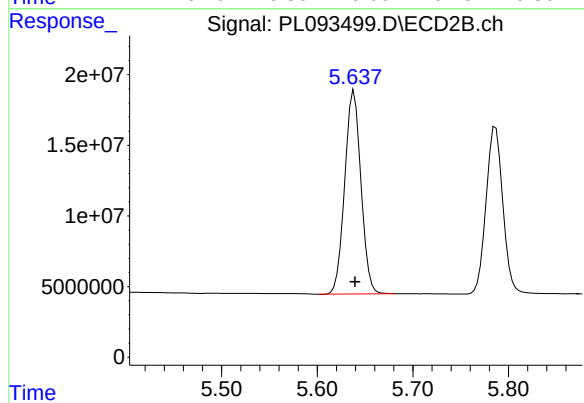
#13 Dieldrin

R.T.: 5.363 min
Delta R.T.: -0.001 min
Response: 197713495
Conc: 51.30 ng/ml



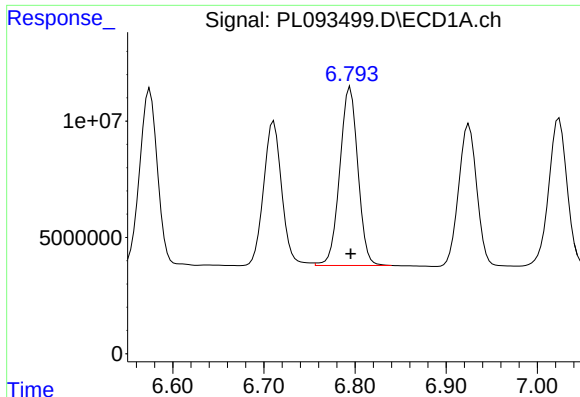
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 102851105
Conc: 47.78 ng/ml



#14 Endrin

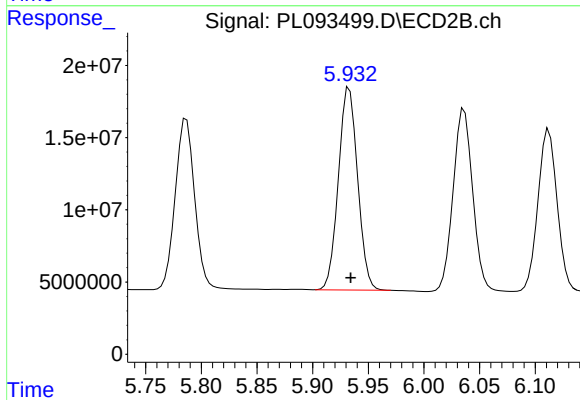
R.T.: 5.638 min
Delta R.T.: -0.001 min
Response: 170232968
Conc: 51.46 ng/ml



#15 Endosulfan II

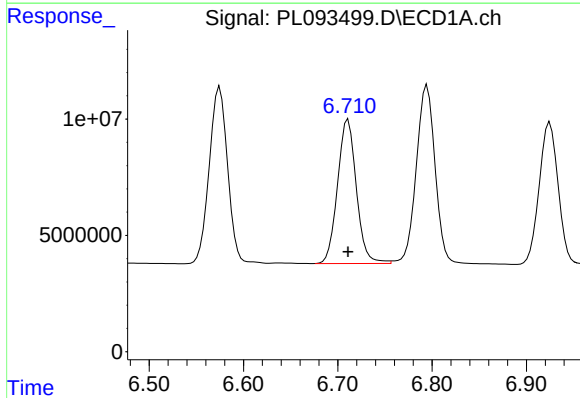
R.T.: 6.795 min
Delta R.T.: 0.000 min
Response: 105780210
Conc: 46.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL122324



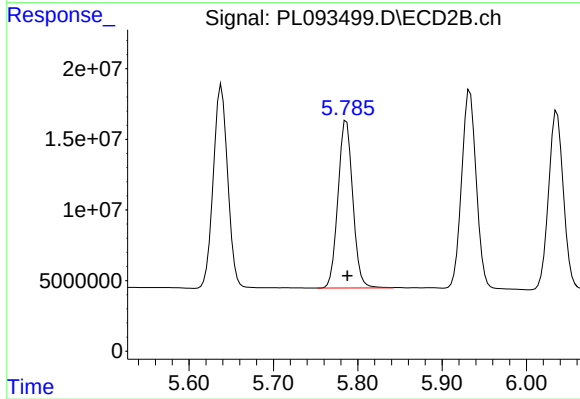
#15 Endosulfan II

R.T.: 5.933 min
Delta R.T.: -0.001 min
Response: 168754657
Conc: 51.94 ng/ml



#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.000 min
Response: 85938052
Conc: 48.94 ng/ml



#16 4,4'-DDD

R.T.: 5.787 min
Delta R.T.: -0.001 min
Response: 144399351
Conc: 51.02 ng/ml

Response_ Signal: PL093499.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 90189353
Conc: 48.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL122324

Time

Response_ Signal: PL093499.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.036 min
Delta R.T.: -0.001 min
Response: 155418277
Conc: 51.46 ng/ml

Time

Response_ Signal: PL093499.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.000 min
Response: 85573532
Conc: 48.22 ng/ml

Time

Response_ Signal: PL093499.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.112 min
Delta R.T.: -0.001 min
Response: 136160987
Conc: 50.56 ng/ml

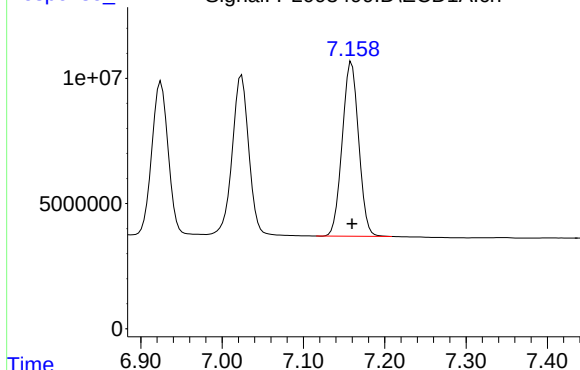
Time

Response_

Signal: PL093499.D\ECD1A.ch

#19 Endosulfan Sulfate

ICAL Form



R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 97479247
Conc: 48.28 ng/ml

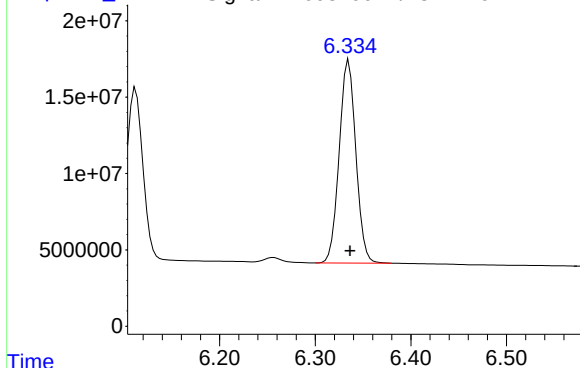
Instrument :
ECD_L
ClientSampleId :
ICVPL122324

Time

Response_

Signal: PL093499.D\ECD2B.ch

#19 Endosulfan Sulfate



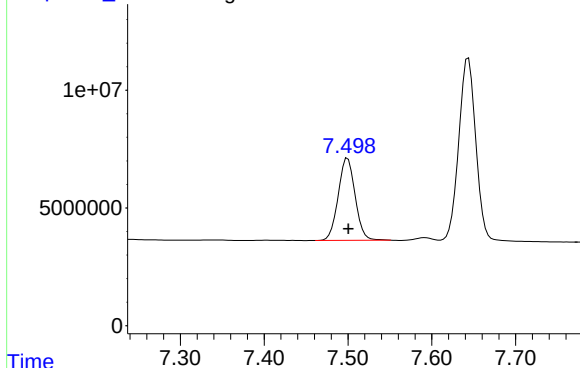
R.T.: 6.335 min
Delta R.T.: -0.002 min
Response: 161251260
Conc: 51.12 ng/ml

Time

Response_

Signal: PL093499.D\ECD1A.ch

#20 Methoxychlor



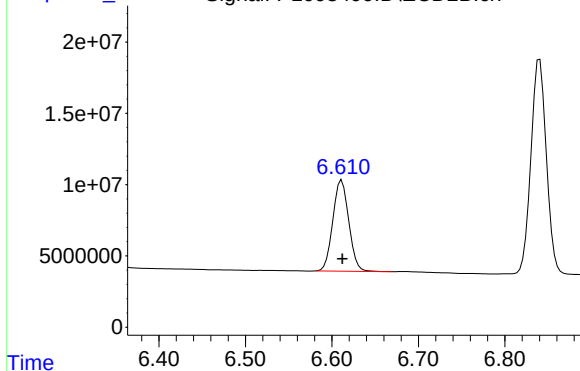
R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 49092628
Conc: 49.11 ng/ml

Time

Response_

Signal: PL093499.D\ECD2B.ch

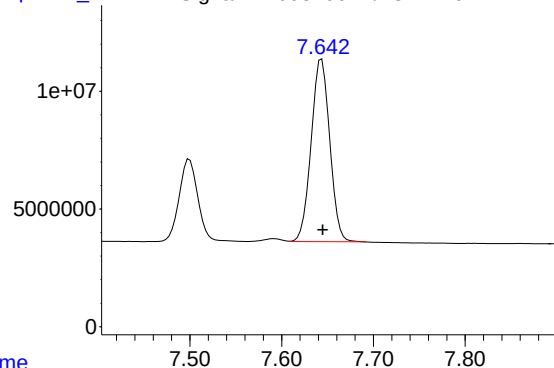
#20 Methoxychlor



R.T.: 6.611 min
Delta R.T.: 0.000 min
Response: 81615484
Conc: 50.70 ng/ml

Time

Response_ Signal: PL093499.D\ECD1A.ch

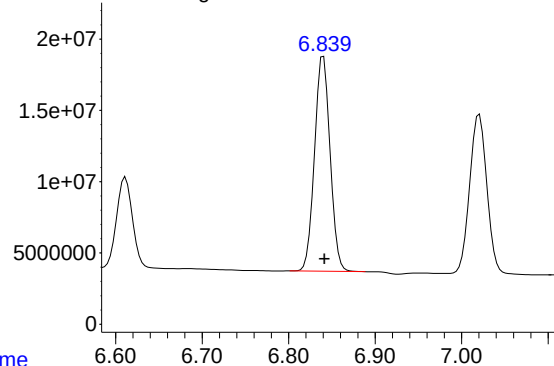


#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: -0.001 min
Response: 109061785
Conc: 48.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL122324

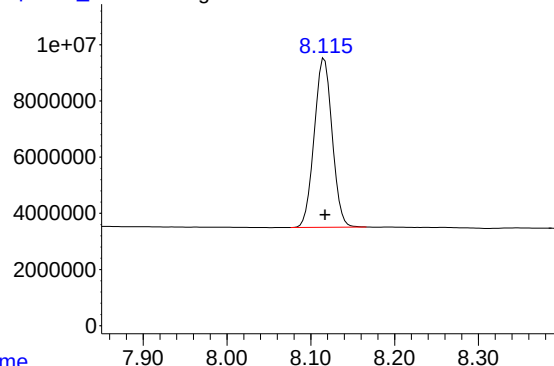
Time Response_ Signal: PL093499.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.840 min
Delta R.T.: -0.001 min
Response: 187317075
Conc: 51.46 ng/ml

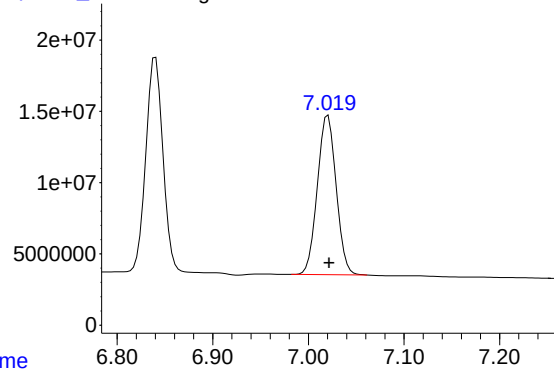
Time Response_ Signal: PL093499.D\ECD1A.ch



#22 Mirex

R.T.: 8.116 min
Delta R.T.: -0.001 min
Response: 89433507
Conc: 47.86 ng/ml

Time Response_ Signal: PL093499.D\ECD2B.ch



#22 Mirex

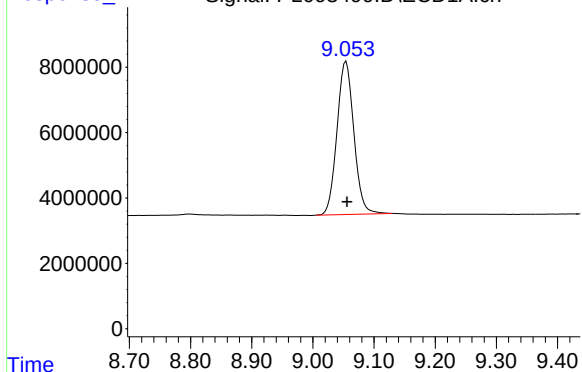
R.T.: 7.021 min
Delta R.T.: -0.001 min
Response: 153356657
Conc: 50.17 ng/ml

Response_

Signal: PL093499.D\ECD1A.ch

#28 Decachlorobiphenyl

ICAL Form



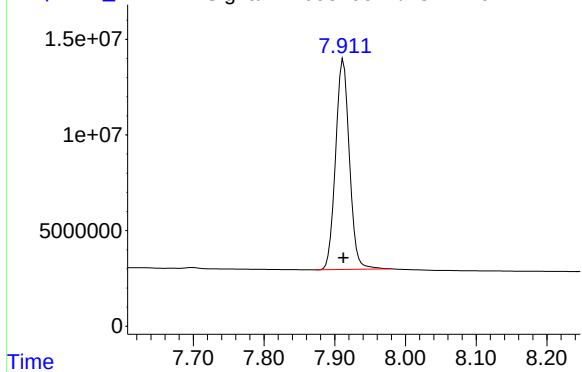
R.T.: 9.054 min
Delta R.T.: -0.001 min
Response: 89737042
Conc: 48.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL122324

Response_

Signal: PL093499.D\ECD2B.ch

#28 Decachlorobiphenyl



R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 149326603
Conc: 50.01 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

Continuing Calib Date: 12/27/2024 Initial Calibration Date(s): 12/23/2024 12/23/2024

Continuing Calib Time: 14:32 Initial Calibration Time(s): 13:15 14:09

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.05	9.06	8.96	9.16	0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Heptachlor epoxide	5.68	5.69	5.59	5.79	0.01
Endrin	6.57	6.58	6.48	6.68	0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

Continuing Calib Date: 12/27/2024 Initial Calibration Date(s): 12/23/2024 12/23/2024

Continuing Calib Time: 14:32 Initial Calibration Time(s): 13:15 14:09

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.77	2.78	2.68	2.88	0.01
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 12/23/2024 12/23/2024

Client Sample No.: CCAL01 Date Analyzed: 12/27/2024

Lab Sample No.: PSTDCCC050 Data File : PL093541.D Time Analyzed: 14:32

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.054	8.956	9.156	51.650	50.000	3.3
Endrin	6.573	6.475	6.675	50.410	50.000	0.8
gamma-BHC (Lindane)	4.327	4.229	4.429	53.260	50.000	6.5
Heptachlor	4.916	4.818	5.018	52.330	50.000	4.7
Heptachlor epoxide	5.684	5.586	5.786	52.340	50.000	4.7
Methoxychlor	7.500	7.400	7.600	53.550	50.000	7.1
Tetrachloro-m-xylene	3.539	3.442	3.642	52.590	50.000	5.2



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

CALIBRATION VERIFICATION SUMMARY
Contract: WEST04
Lab Code: CHEM **Case No.:** P5380 **SAS No.:** P5380 **SDG NO.:** P5380
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 12/23/2024 12/23/2024
Client Sample No.: CCAL01 **Date Analyzed:** 12/27/2024
Lab Sample No.: PSTDCCC050 **Data File :** PL093541.D **Time Analyzed:** 14:32

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.912	7.812	8.012	53.120	50.000	6.2
Endrin	5.638	5.540	5.740	54.880	50.000	9.8
gamma-BHC (Lindane)	3.608	3.510	3.710	55.410	50.000	10.8
Heptachlor	3.946	3.848	4.048	54.690	50.000	9.4
Heptachlor epoxide	4.729	4.630	4.830	54.170	50.000	8.3
Methoxychlor	6.611	6.512	6.712	54.610	50.000	9.2
Tetrachloro-m-xylene	2.774	2.677	2.877	54.120	50.000	8.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
 Data File : PL093541.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Dec 2024 14:32
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 12/30/2024
 Supervised By :Ankita Jodhani 12/30/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 28 00:57:31 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 15:29:41 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.539	2.774	130.2E6	157.5E6	52.589	54.117
28)	SA Decachlor...	9.054	7.912	95503809	158.6E6	51.651	53.115
Target Compounds							
2)	A alpha-BHC	3.995	3.277	183.4E6	240.9E6	53.127	55.422
3)	MA gamma-BHC...	4.327	3.608	174.7E6	233.8E6	53.260	55.407
4)	MA Heptachlor	4.916	3.946	153.2E6	227.3E6	52.331	54.692
5)	MB Aldrin	5.257	4.226	151.9E6	226.7E6	52.224	55.274
6)	B beta-BHC	4.525	3.908	76370661	98948563	52.977	55.048
7)	B delta-BHC	4.773	4.136	166.7E6	239.3E6	54.435	56.577
8)	B Heptachlo...	5.684	4.729	137.9E6	207.4E6	52.338	54.169
9)	A Endosulfan I	6.070	5.098	122.1E6	180.9E6	51.751	51.765
10)	B gamma-Chl...	5.940	4.979	130.3E6	211.6E6	51.855	54.907
11)	B alpha-Chl...	6.019	5.042	130.6E6	207.3E6	52.167	54.438
12)	B 4,4'-DDE	6.193	5.231	119.4E6	205.6E6	53.200	55.915
13)	MA Dieldrin	6.345	5.362	129.2E6	210.2E6	51.791	54.547
14)	MA Endrin	6.573	5.638	108.5E6	181.6E6	50.407m	54.878
15)	B Endosulfa...	6.794	5.933	112.4E6	180.2E6	49.462	55.479
16)	A 4,4'-DDD	6.709	5.786	97729958	163.3E6	55.656	57.716
17)	MA 4,4'-DDT	7.024	6.037	96544968	164.3E6	52.228	54.401
18)	B Endrin al...	6.924	6.112	91177159	145.0E6	51.381	53.831
19)	B Endosulfa...	7.158	6.335	104.6E6	172.0E6	51.815	54.521
20)	A Methoxychlor	7.500	6.611	53535568	87904365	53.553	54.611
21)	B Endrin ke...	7.643	6.840	116.9E6	196.8E6	52.110	54.048
22)	Mirex	8.117	7.020	94046492	156.8E6	50.327	51.301

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
Data File : PL093541.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Dec 2024 14:32
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

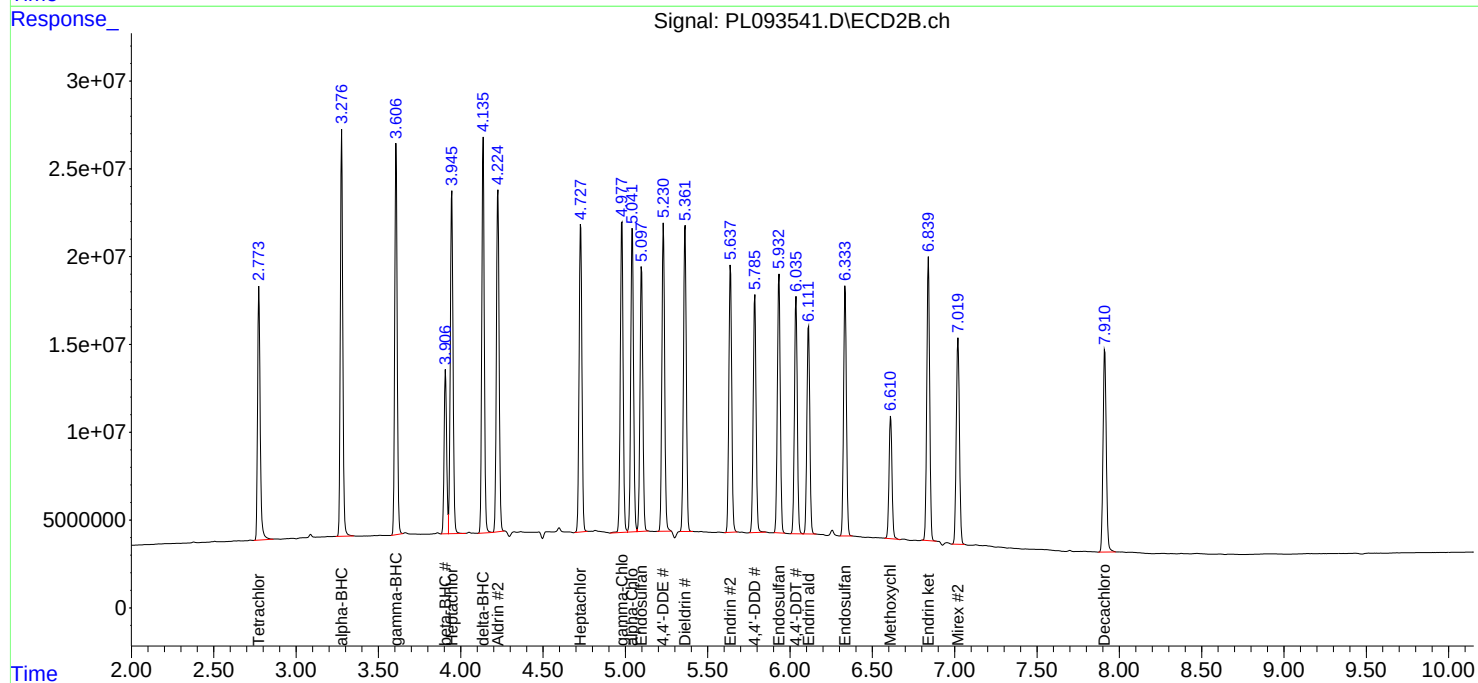
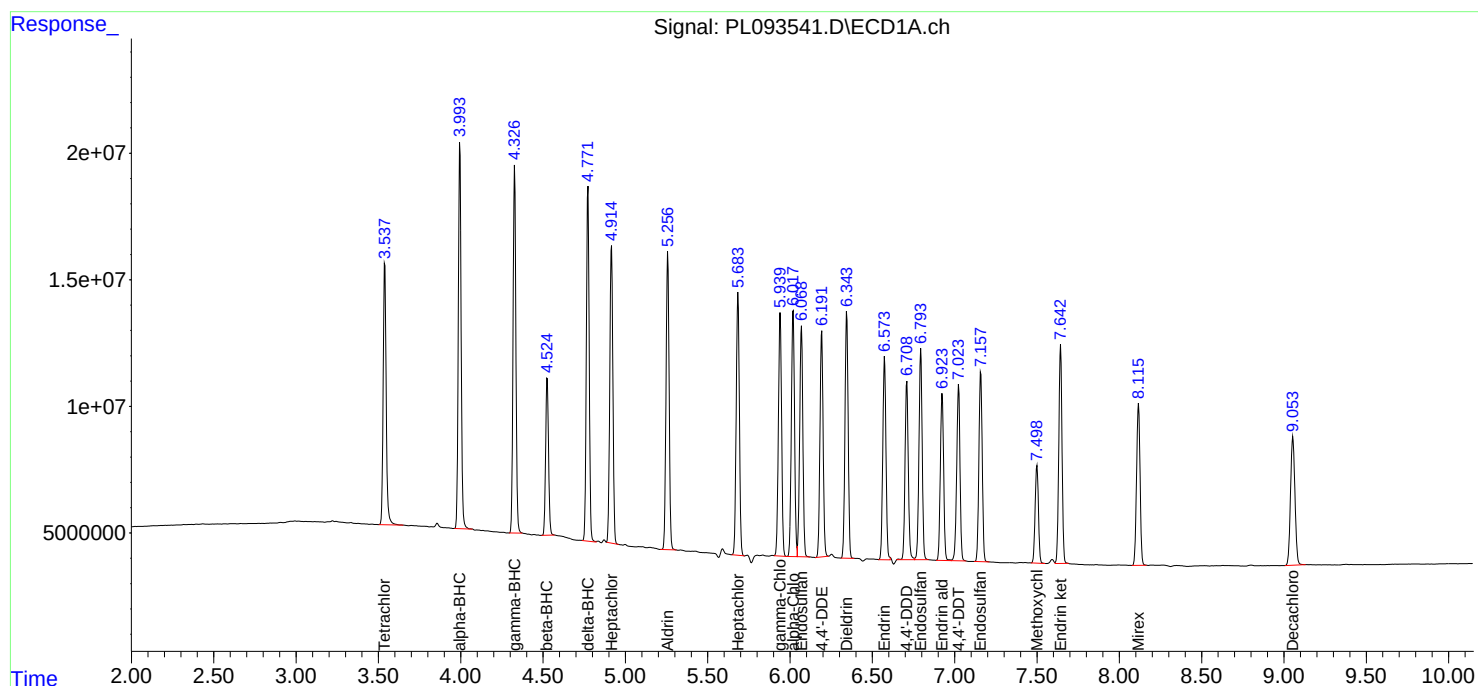
APPROVED

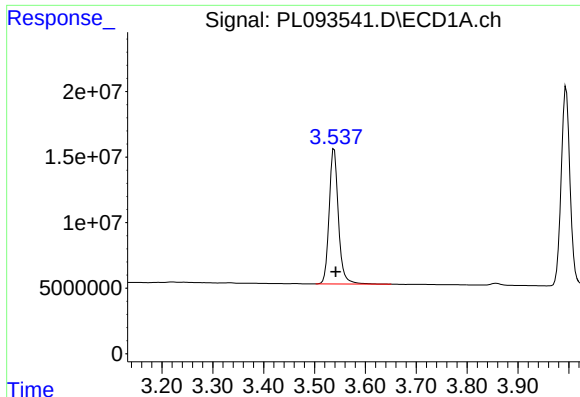
Reviewed By :Abdul Mirza 12/30/2024

Supervised By :Ankita Jodhani 12/30/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 28 00:57:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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





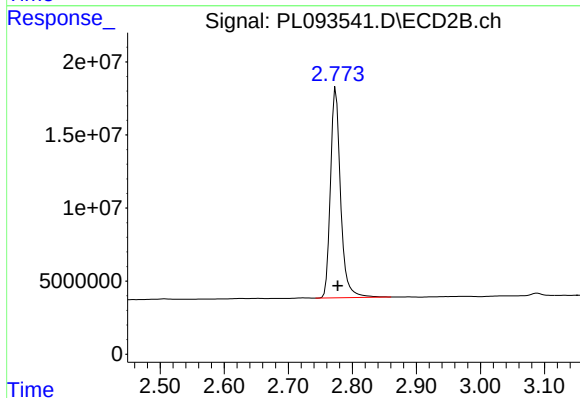
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: -0.003 min
Response: 130194258
Conc: 52.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

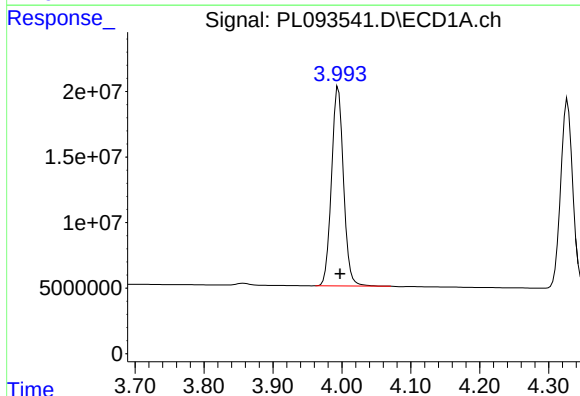
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



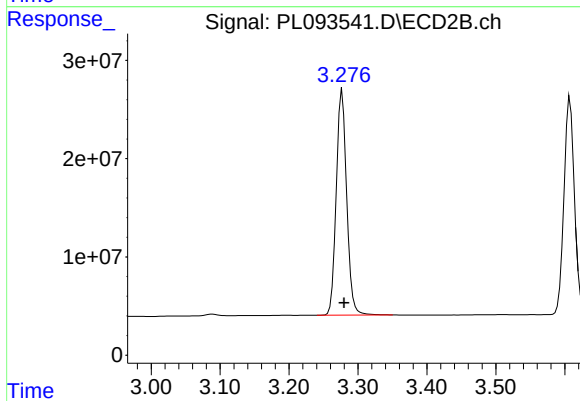
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: -0.003 min
Response: 157545989
Conc: 54.12 ng/ml



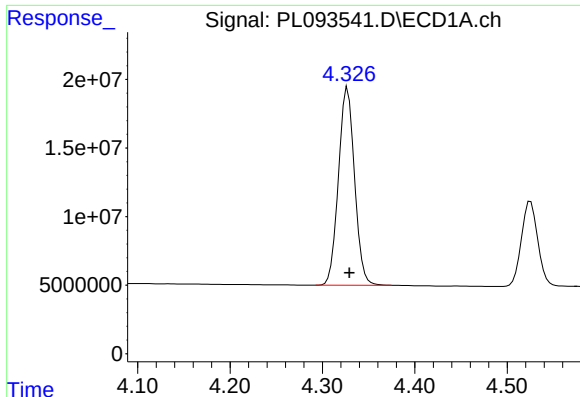
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: -0.002 min
Response: 183415347
Conc: 53.13 ng/ml



#2 alpha-BHC

R.T.: 3.277 min
Delta R.T.: -0.003 min
Response: 240906509
Conc: 55.42 ng/ml



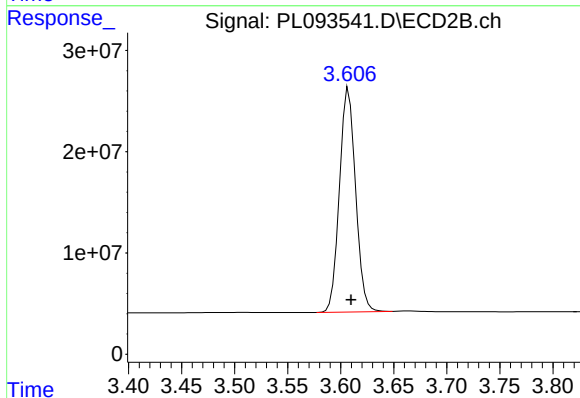
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: -0.002 min
Response: 174661804
Conc: 53.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

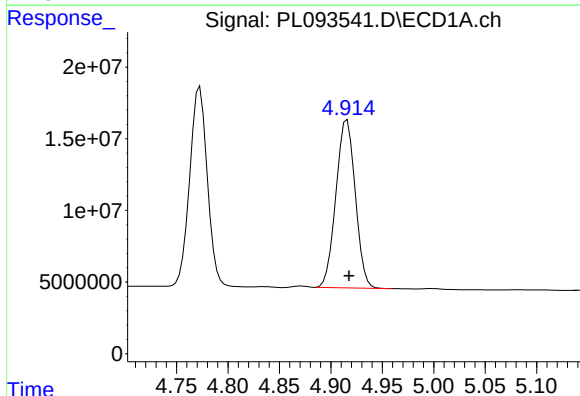
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



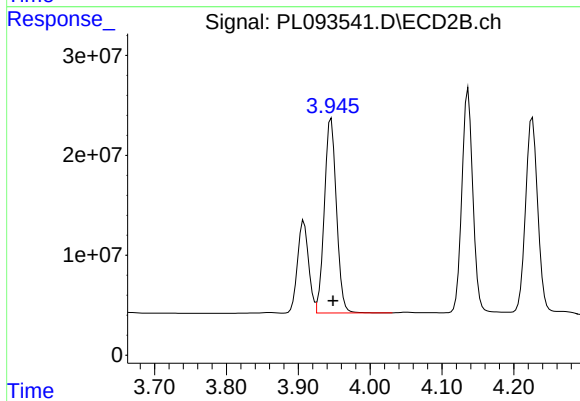
#3 gamma-BHC (Lindane)

R.T.: 3.608 min
Delta R.T.: -0.002 min
Response: 233783062
Conc: 55.41 ng/ml



#4 Heptachlor

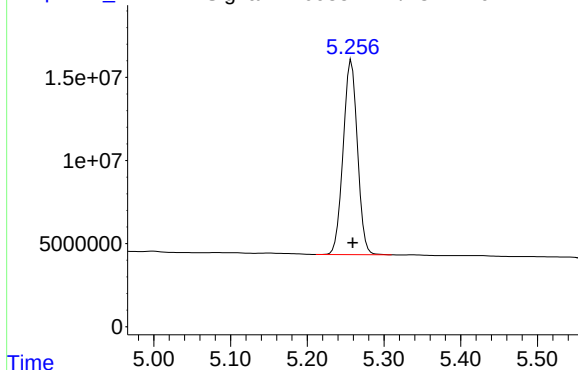
R.T.: 4.916 min
Delta R.T.: -0.002 min
Response: 153241993
Conc: 52.33 ng/ml



#4 Heptachlor

R.T.: 3.946 min
Delta R.T.: -0.002 min
Response: 227296779
Conc: 54.69 ng/ml

Signal: PL093541.D\ECD1A.ch



#5 Aldrin

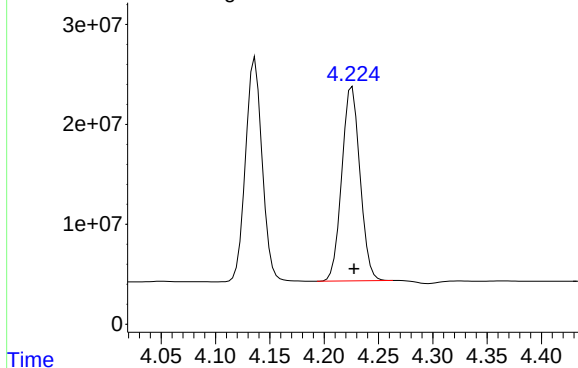
R.T.: 5.257 min
Delta R.T.: -0.002 min
Response: 151911125
Conc: 52.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024

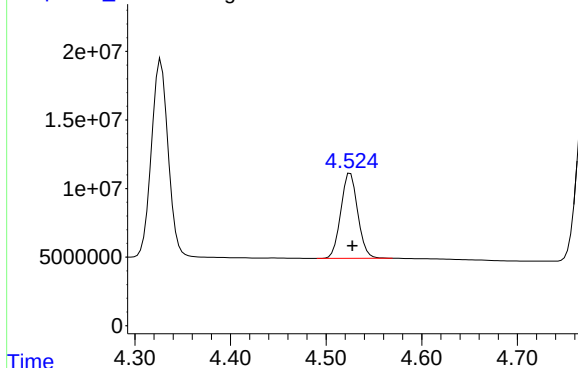
Signal: PL093541.D\ECD2B.ch



#5 Aldrin

R.T.: 4.226 min
Delta R.T.: -0.002 min
Response: 226749023
Conc: 55.27 ng/ml

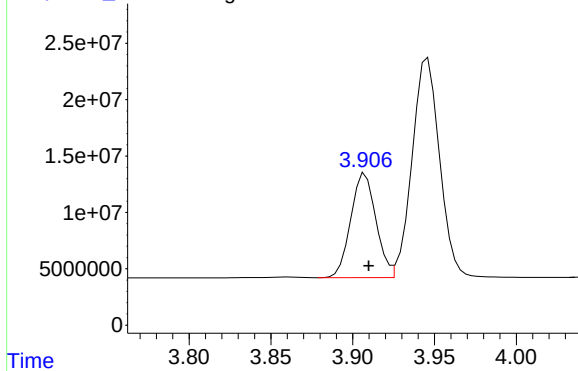
Signal: PL093541.D\ECD1A.ch



#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: -0.002 min
Response: 76370661
Conc: 52.98 ng/ml

Signal: PL093541.D\ECD2B.ch

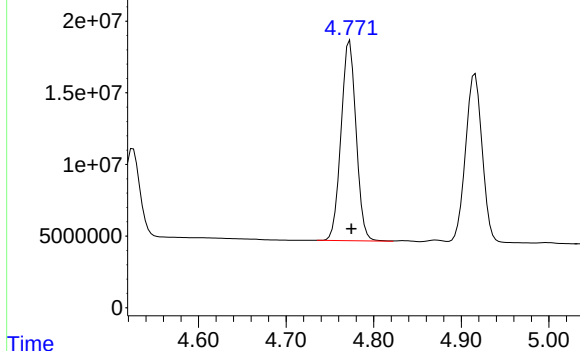


#6 beta-BHC

R.T.: 3.908 min
Delta R.T.: -0.002 min
Response: 98948563
Conc: 55.05 ng/ml

Response_ Signal: PL093541.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.773 min
Delta R.T.: -0.002 min
Response: 166712800
Conc: 54.44 ng/ml

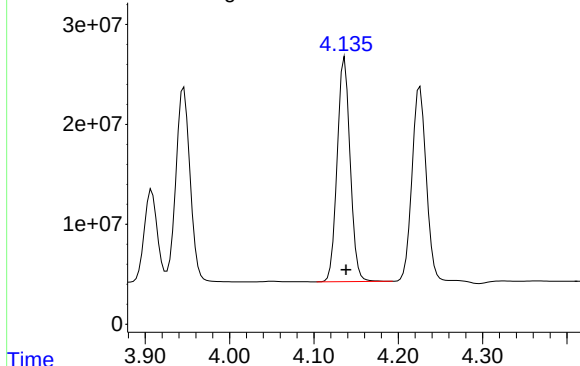
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024

Time Response_ Signal: PL093541.D\ECD2B.ch

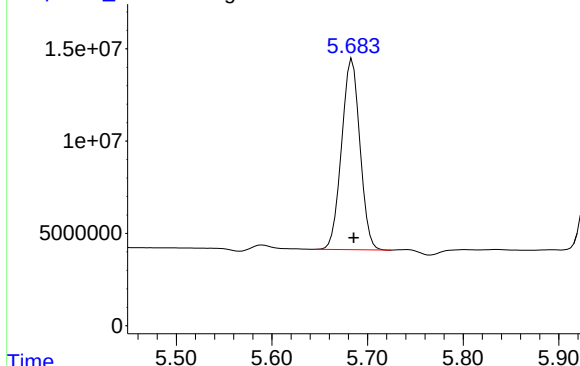
#7 delta-BHC



R.T.: 4.136 min
Delta R.T.: -0.002 min
Response: 239255807
Conc: 56.58 ng/ml

Time Response_ Signal: PL093541.D\ECD1A.ch

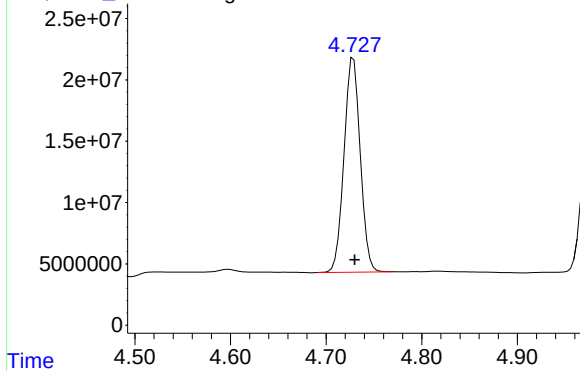
#8 Heptachlor epoxide



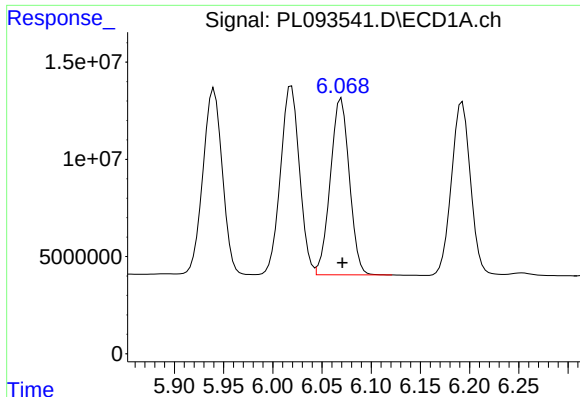
R.T.: 5.684 min
Delta R.T.: -0.002 min
Response: 137877438
Conc: 52.34 ng/ml

Time Response_ Signal: PL093541.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.729 min
Delta R.T.: -0.002 min
Response: 207396466
Conc: 54.17 ng/ml



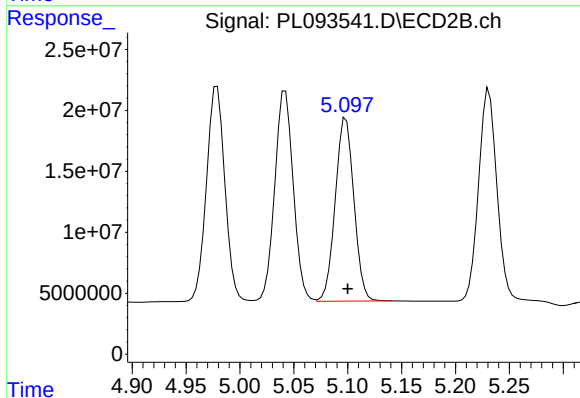
#9 Endosulfan I

R.T.: 6.070 min
Delta R.T.: -0.001 min
Response: 122092883
Conc: 51.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

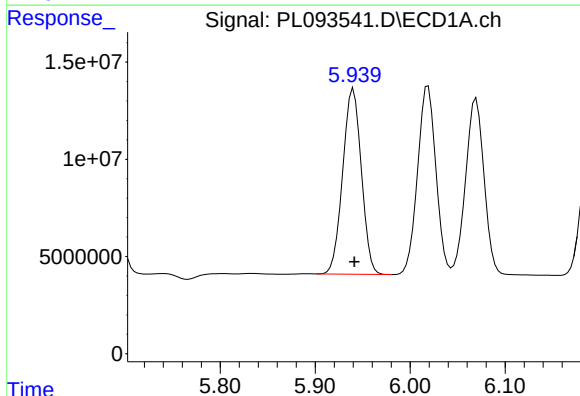
Manual Integrations
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Supervised By :Ankita Jodhani 12/30/2024



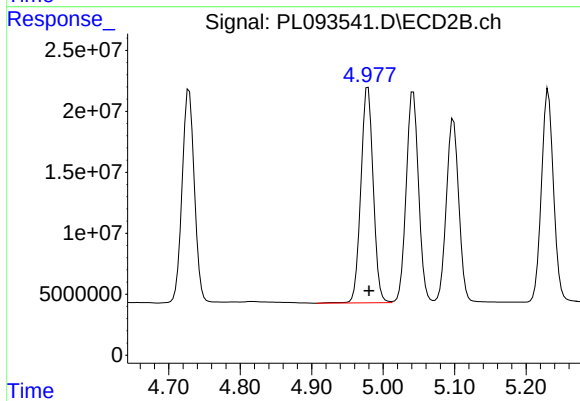
#9 Endosulfan I

R.T.: 5.098 min
Delta R.T.: -0.002 min
Response: 180864778
Conc: 51.77 ng/ml



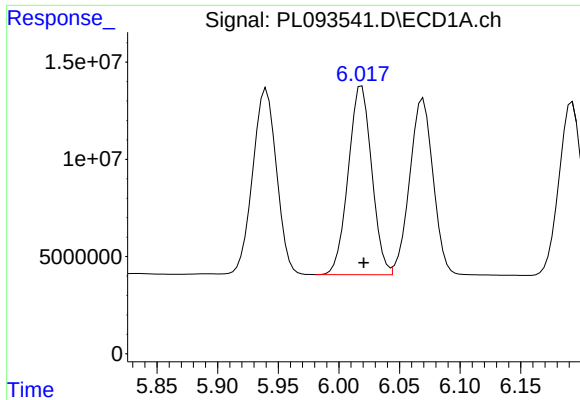
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.001 min
Response: 130315187
Conc: 51.85 ng/ml



#10 gamma-Chlordane

R.T.: 4.979 min
Delta R.T.: -0.002 min
Response: 211556858
Conc: 54.91 ng/ml



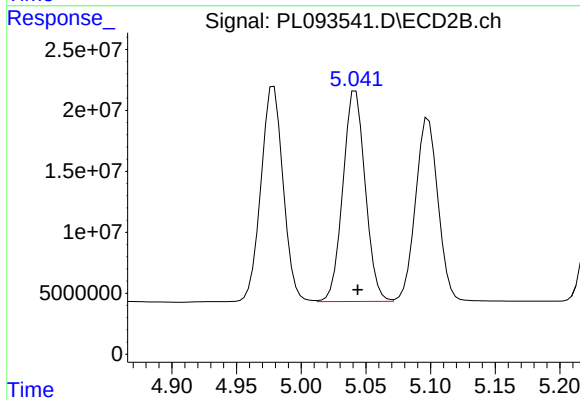
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: -0.002 min
Response: 130570041
Conc: 52.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

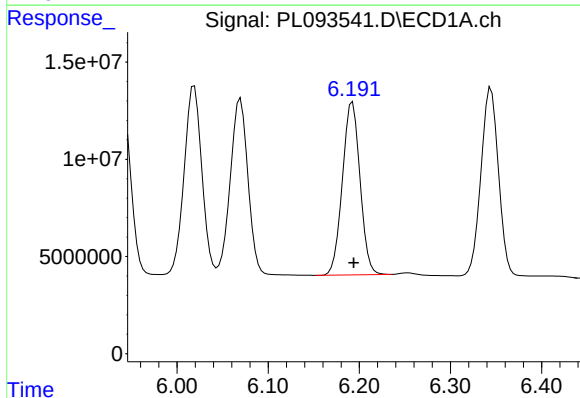
Manual Integrations
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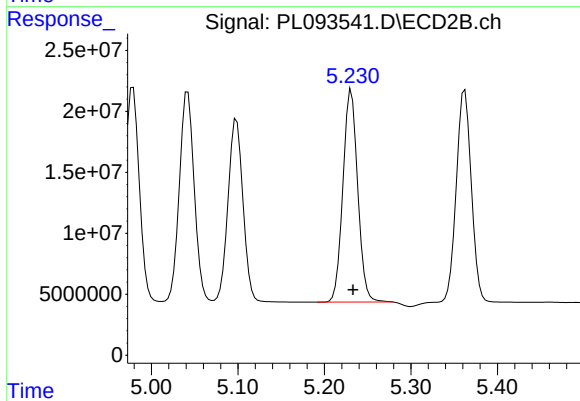
#11 alpha-Chlordane

R.T.: 5.042 min
Delta R.T.: -0.002 min
Response: 207265394
Conc: 54.44 ng/ml



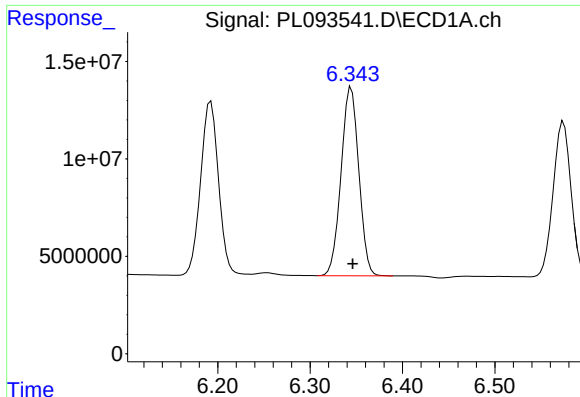
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: -0.001 min
Response: 119373643
Conc: 53.20 ng/ml



#12 4,4'-DDE

R.T.: 5.231 min
Delta R.T.: -0.002 min
Response: 205613552
Conc: 55.92 ng/ml



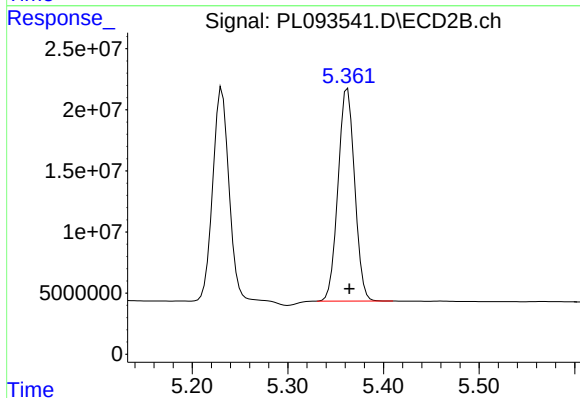
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: -0.001 min
Response: 129222423
Conc: 51.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

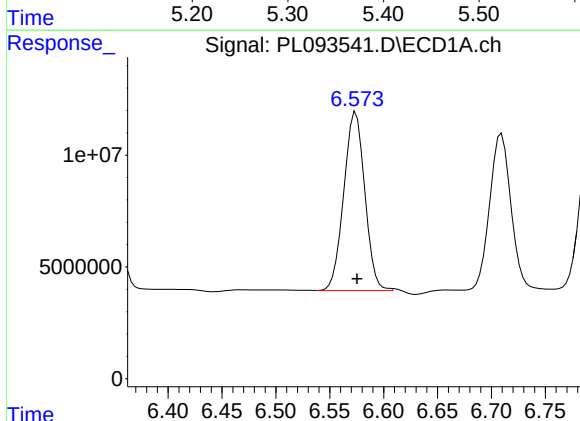
Manual Integrations
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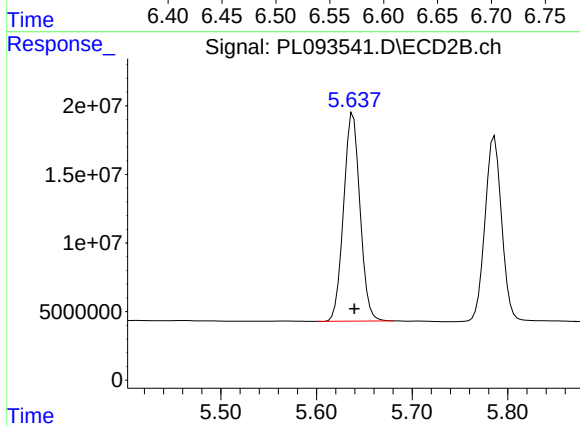
#13 Dieldrin

R.T.: 5.362 min
Delta R.T.: -0.002 min
Response: 210217206
Conc: 54.55 ng/ml



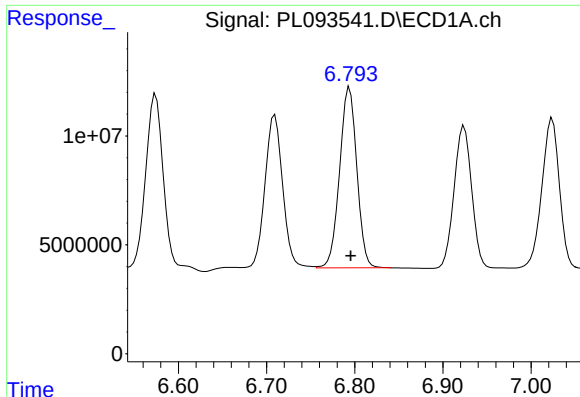
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.003 min
Response: 108498731
Conc: 50.41 ng/ml m



#14 Endrin

R.T.: 5.638 min
Delta R.T.: -0.002 min
Response: 181554809
Conc: 54.88 ng/ml



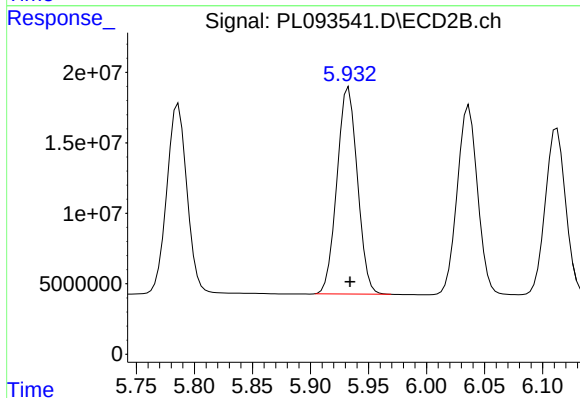
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: -0.001 min
Response: 112440085
Conc: 49.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

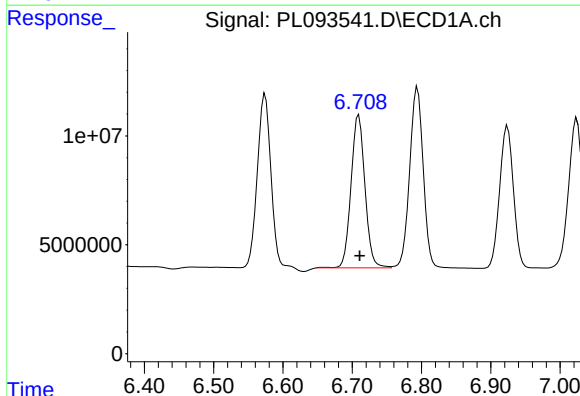
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



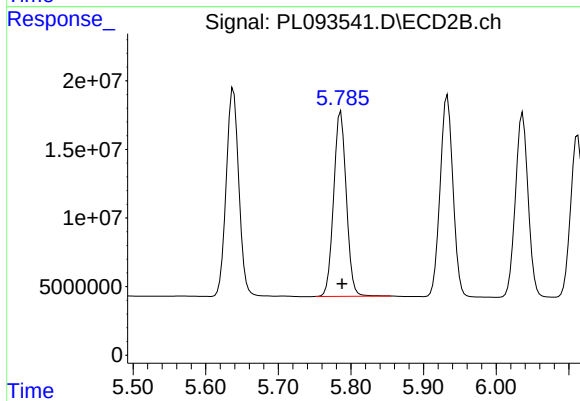
#15 Endosulfan II

R.T.: 5.933 min
Delta R.T.: -0.001 min
Response: 180248207
Conc: 55.48 ng/ml



#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: -0.002 min
Response: 97729958
Conc: 55.66 ng/ml



#16 4,4'-DDD

R.T.: 5.786 min
Delta R.T.: -0.002 min
Response: 163344583
Conc: 57.72 ng/ml

Response_ Signal: PL093541.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 96544968
Conc: 52.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

**Manual Integrations
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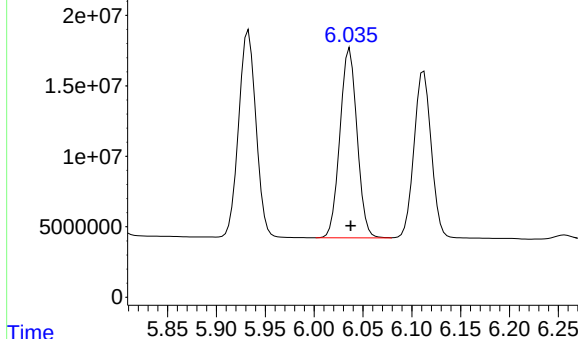
Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024

Time

Response_ Signal: PL093541.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.037 min
Delta R.T.: 0.000 min
Response: 164308313
Conc: 54.40 ng/ml

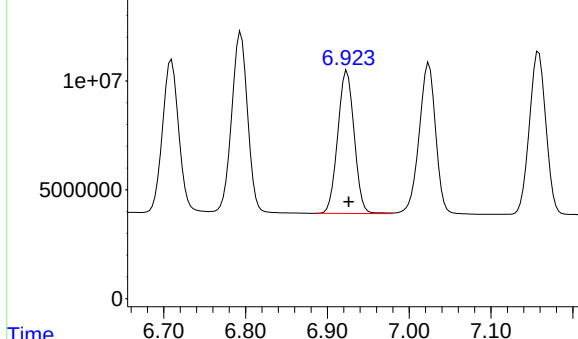


Time

Response_ Signal: PL093541.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: -0.002 min
Response: 91177159
Conc: 51.38 ng/ml

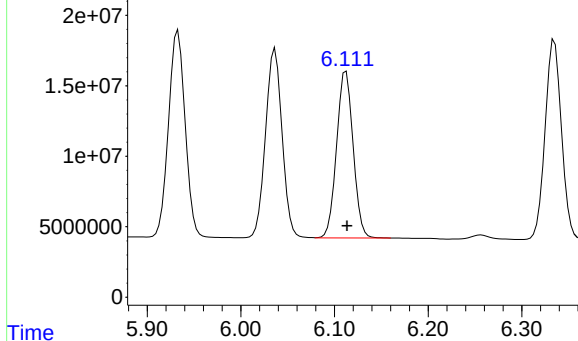


Time

Response_ Signal: PL093541.D\ECD2B.ch

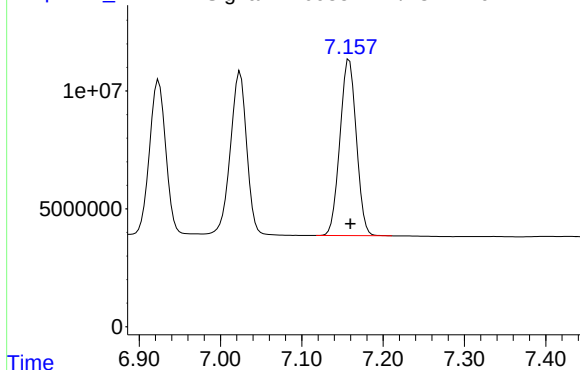
#18 Endrin aldehyde

R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 144971365
Conc: 53.83 ng/ml



Time

Response_ Signal: PL093541.D\ECD1A.ch



#19 Endosulfan Sulfate

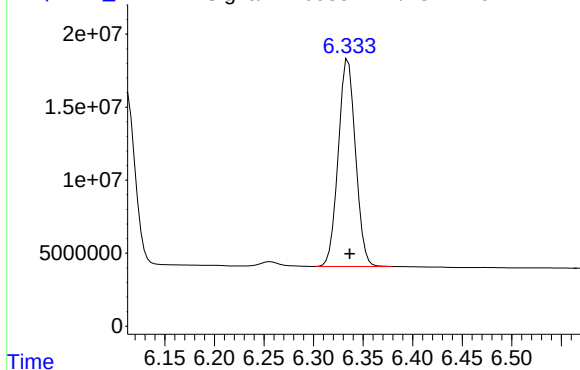
R.T.: 7.158 min
Delta R.T.: -0.001 min
Response: 104616518
Conc: 51.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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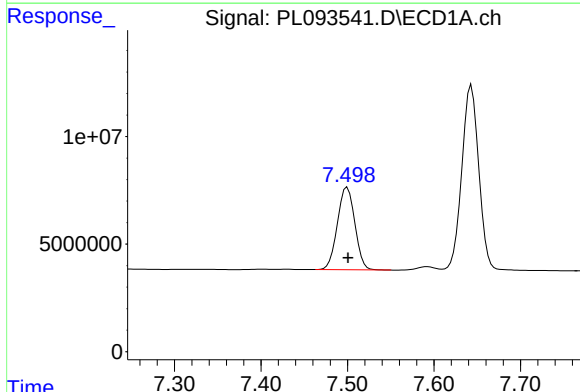
Response_ Signal: PL093541.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.335 min
Delta R.T.: -0.002 min
Response: 171983119
Conc: 54.52 ng/ml

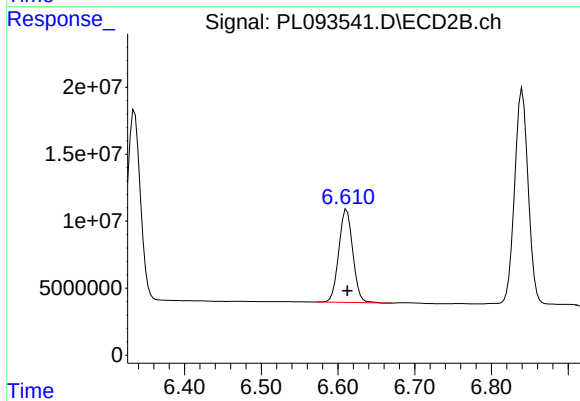
Response_ Signal: PL093541.D\ECD1A.ch



#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 53535568
Conc: 53.55 ng/ml

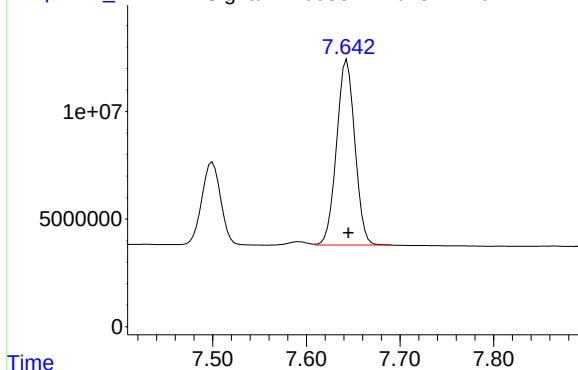
Response_ Signal: PL093541.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.611 min
Delta R.T.: -0.001 min
Response: 87904365
Conc: 54.61 ng/ml

Response_ Signal: PL093541.D\ECD1A.ch



#21 Endrin ketone

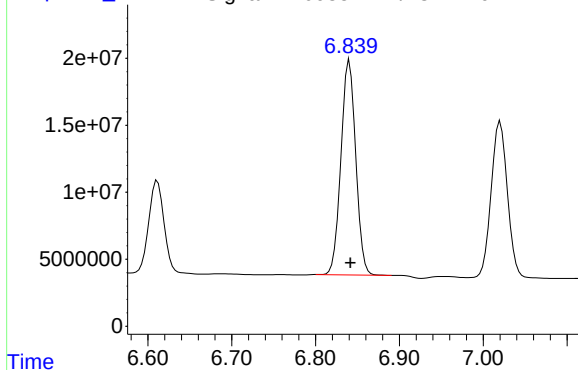
R.T.: 7.643 min
Delta R.T.: -0.001 min
Response: 116927916
Conc: 52.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

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Supervised By :Ankita Jodhani 12/30/2024

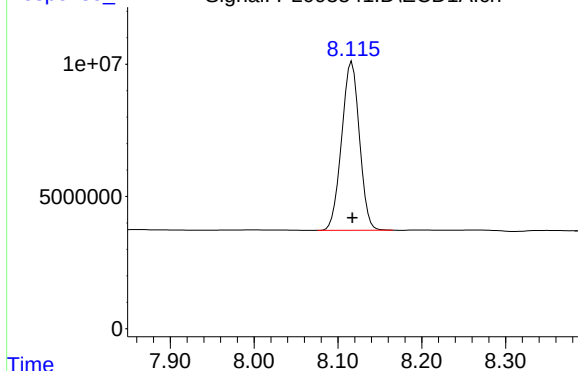
Response_ Signal: PL093541.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.840 min
Delta R.T.: -0.001 min
Response: 196755586
Conc: 54.05 ng/ml

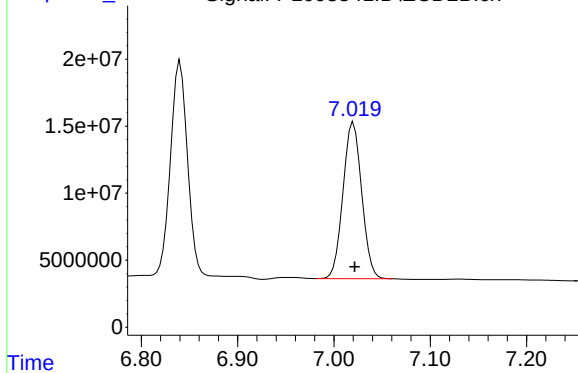
Response_ Signal: PL093541.D\ECD1A.ch



#22 Mirex

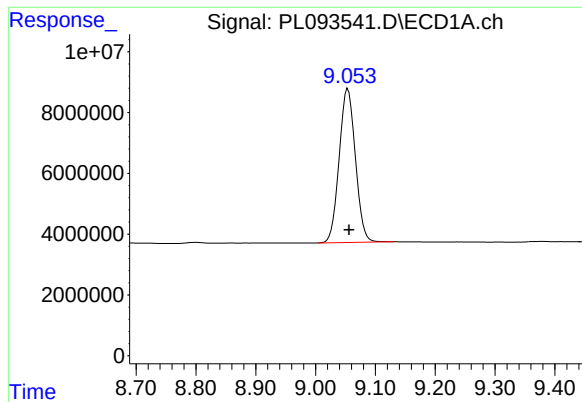
R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 94046492
Conc: 50.33 ng/ml

Response_ Signal: PL093541.D\ECD2B.ch



#22 Mirex

R.T.: 7.020 min
Delta R.T.: -0.001 min
Response: 156801604
Conc: 51.30 ng/ml



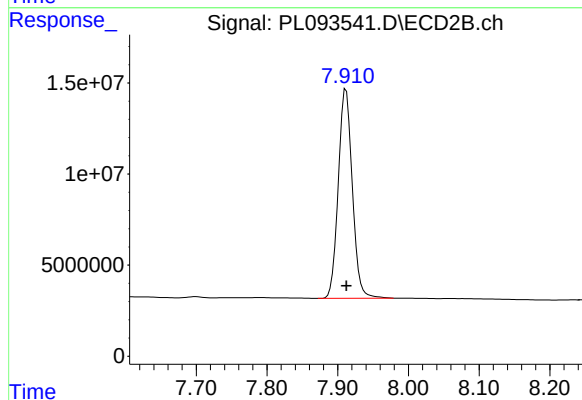
#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.002 min
Response: 95503809
Conc: 51.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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Supervised By :Ankita Jodhani 12/30/2024



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 158597626
Conc: 53.12 ng/ml



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

CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

Continuing Calib Date: 12/27/2024 Initial Calibration Date(s): 12/23/2024 12/23/2024

Continuing Calib Time: 18:21 Initial Calibration Time(s): 13:15 14:09

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.05	9.06	8.96	9.16	0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Heptachlor epoxide	5.68	5.69	5.59	5.79	0.01
Endrin	6.57	6.58	6.48	6.68	0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

Continuing Calib Date: 12/27/2024 Initial Calibration Date(s): 12/23/2024 12/23/2024

Continuing Calib Time: 18:21 Initial Calibration Time(s): 13:15 14:09

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00



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CALIBRATION VERIFICATION SUMMARY
Contract: WEST04
Lab Code: CHEM **Case No.:** P5380 **SAS No.:** P5380 **SDG NO.:** P5380
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 12/23/2024 12/23/2024
Client Sample No.: CCAL02 **Date Analyzed:** 12/27/2024
Lab Sample No.: PSTDCCC050 **Data File :** PL093554.D **Time Analyzed:** 18:21

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.054	8.956	9.156	50.540	50.000	1.1
Endrin	6.573	6.475	6.675	44.470	50.000	-11.1
gamma-BHC (Lindane)	4.328	4.229	4.429	51.230	50.000	2.5
Heptachlor	4.916	4.818	5.018	49.360	50.000	-1.3
Heptachlor epoxide	5.684	5.586	5.786	50.190	50.000	0.4
Methoxychlor	7.500	7.400	7.600	47.780	50.000	-4.4
Tetrachloro-m-xylene	3.539	3.442	3.642	50.770	50.000	1.5



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CALIBRATION VERIFICATION SUMMARY
Contract: WEST04
Lab Code: CHEM **Case No.:** P5380 **SAS No.:** P5380 **SDG NO.:** P5380
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 12/23/2024 12/23/2024
Client Sample No.: CCAL02 **Date Analyzed:** 12/27/2024
Lab Sample No.: PSTDCCC050 **Data File :** PL093554.D **Time Analyzed:** 18:21

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.912	7.812	8.012	53.360	50.000	6.7
Endrin	5.639	5.540	5.740	47.950	50.000	-4.1
gamma-BHC (Lindane)	3.609	3.510	3.710	52.940	50.000	5.9
Heptachlor	3.947	3.848	4.048	50.970	50.000	1.9
Heptachlor epoxide	4.729	4.630	4.830	51.550	50.000	3.1
Methoxychlor	6.612	6.512	6.712	48.040	50.000	-3.9
Tetrachloro-m-xylene	2.776	2.677	2.877	52.580	50.000	5.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
 Data File : PL093554.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Dec 2024 18:21
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
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Reviewed By :Abdul Mirza 12/30/2024
 Supervised By :Ankita Jodhani 12/30/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 28 01:03:40 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 15:29:41 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.539	2.776	125.7E6	153.1E6	50.768	52.581
28)	SA Decachlor...	9.054	7.912	93458102	159.3E6	50.545	53.364
Target Compounds							
2)	A alpha-BHC	3.995	3.278	176.4E6	230.4E6	51.096	53.000
3)	MA gamma-BHC...	4.328	3.609	168.0E6	223.4E6	51.230	52.940
4)	MA Heptachlor	4.916	3.947	144.6E6	211.8E6	49.363	50.971
5)	MB Aldrin	5.258	4.227	145.4E6	215.8E6	49.982	52.604
6)	B beta-BHC	4.526	3.908	74187391	94548729	51.462	52.600
7)	B delta-BHC	4.773	4.137	161.0E6	227.6E6	52.570	53.821
8)	B Heptachlo...	5.684	4.729	132.2E6	197.4E6	50.195	51.548
9)	A Endosulfan I	6.070	5.099	117.4E6	170.8E6	49.775	48.896
10)	B gamma-Chl...	5.940	4.979	124.7E6	200.5E6	49.623	52.041
11)	B alpha-Chl...	6.019	5.043	125.3E6	197.5E6	50.065	51.870
12)	B 4,4'-DDE	6.192	5.231	114.6E6	195.1E6	51.078	53.055
13)	MA Dieldrin	6.345	5.363	124.2E6	200.5E6	49.759	52.026
14)	MA Endrin	6.573	5.639	95715717	158.6E6	44.468m	47.952
15)	B Endosulfa...	6.795	5.933	108.7E6	173.1E6	47.797	53.268
16)	A 4,4'-DDD	6.711	5.786	97056352	161.4E6	55.273	57.013
17)	MA 4,4'-DDT	7.024	6.036	86948186	143.9E6	47.037	47.657
18)	B Endrin al...	6.925	6.112	90068168	141.9E6	50.756	52.693
19)	B Endosulfa...	7.159	6.335	101.6E6	165.8E6	50.305	52.557
20)	A Methoxychlor	7.500	6.612	47768081	77332187	47.783	48.043
21)	B Endrin ke...	7.644	6.840	117.8E6	196.0E6	52.498	53.834
22)	Mirex	8.117	7.021	92354299	152.0E6	49.421	49.738

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
Data File : PL093554.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Dec 2024 18:21
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

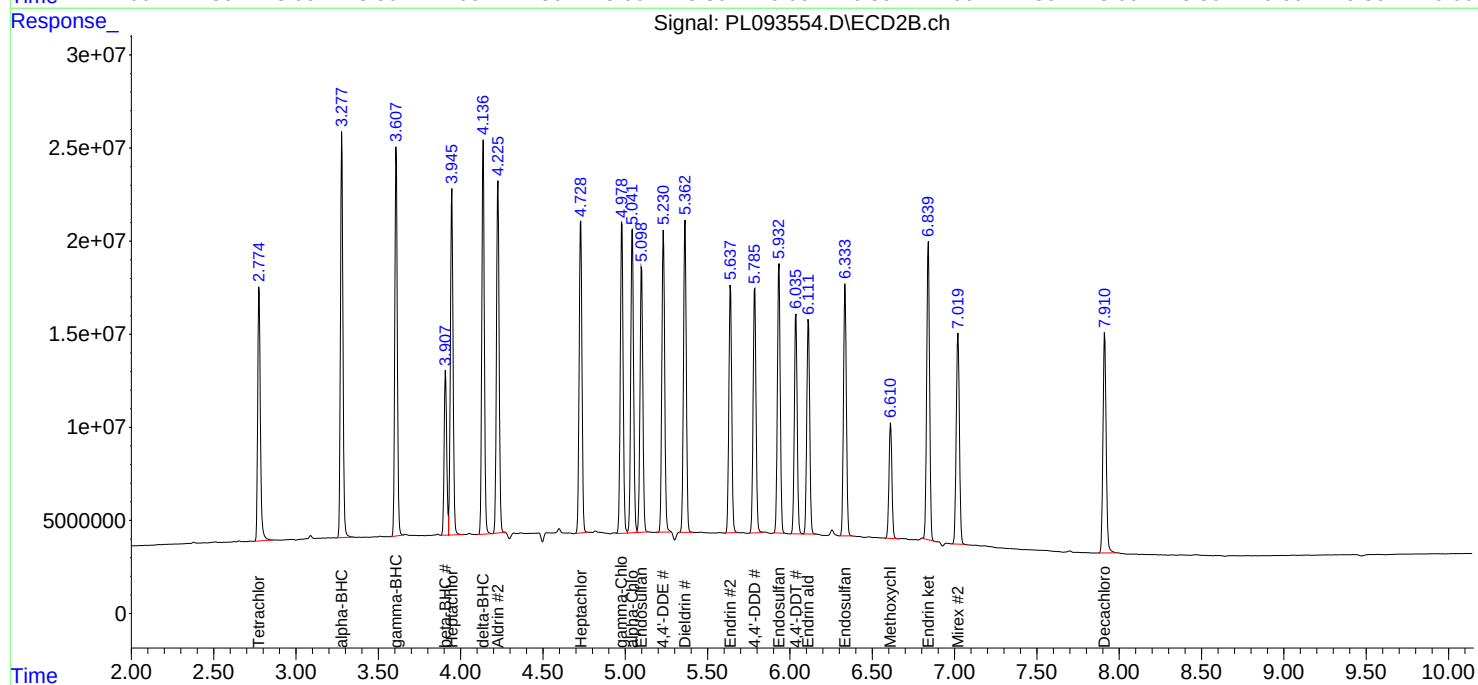
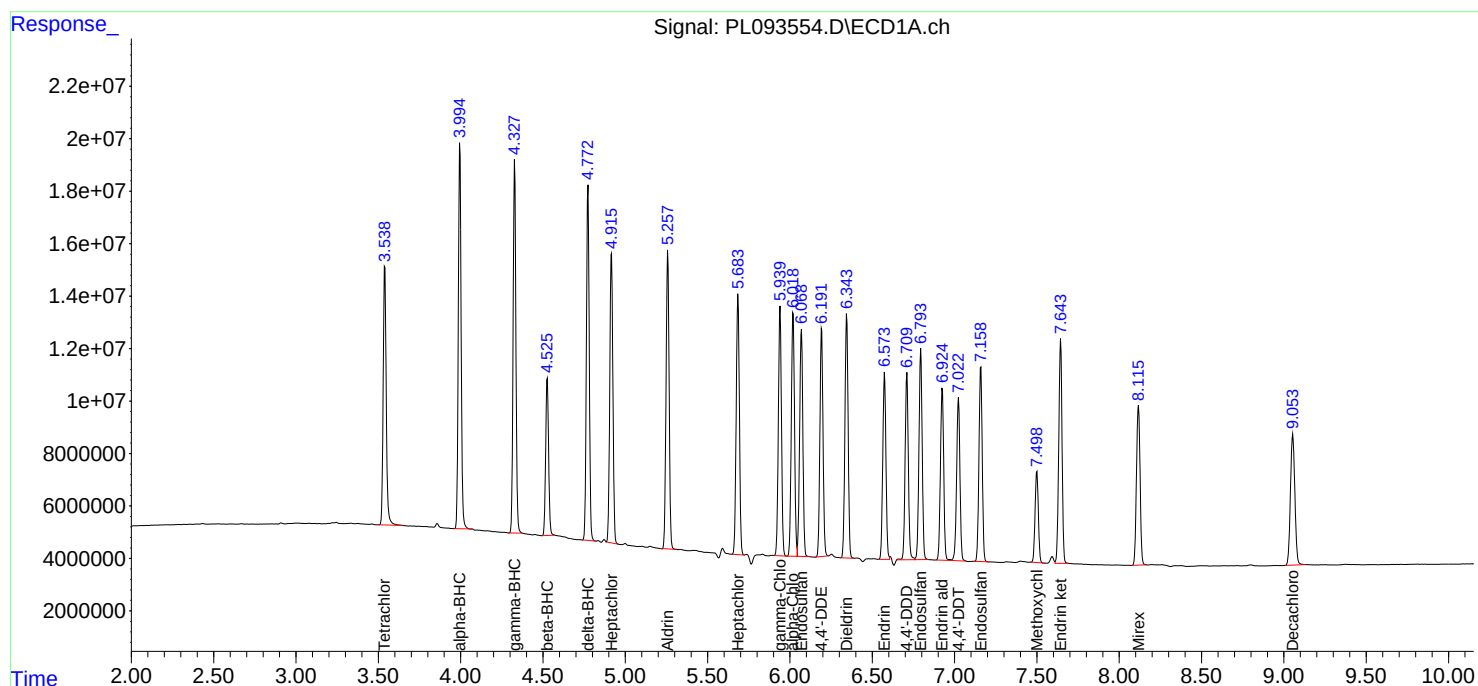
APPROVED

Reviewed By :Abdul Mirza 12/30/2024

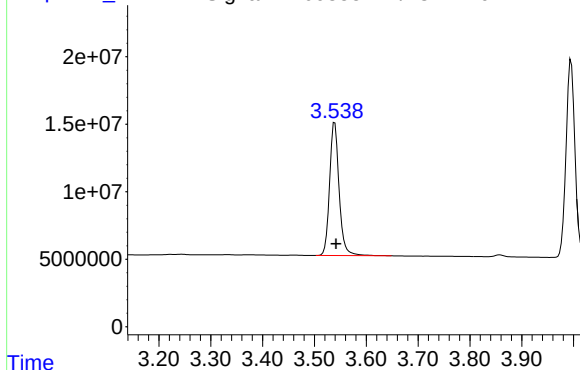
Supervised By :Ankita Jodhani 12/30/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 28 01:03:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PL093554.D\ECD1A.ch



#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: -0.003 min
Response: 125686158
Conc: 50.77 ng/ml

Instrument :

ECD_L

ClientSampleId :

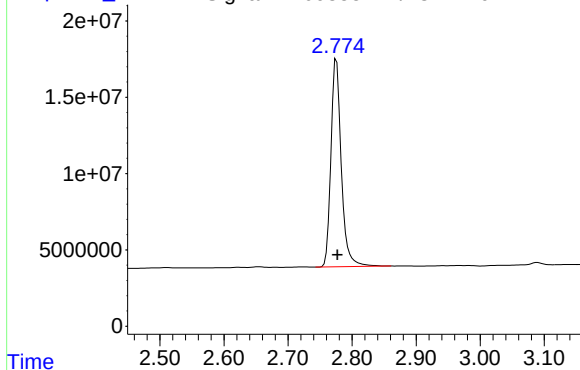
PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024

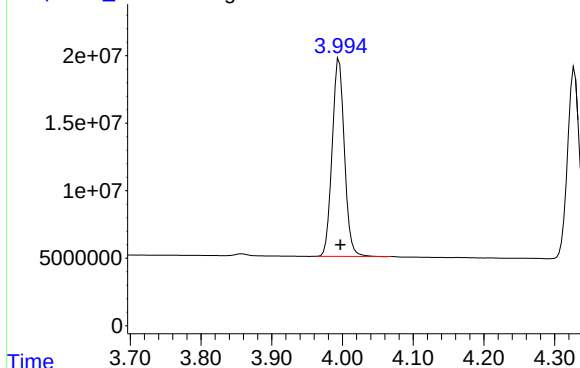
Response_ Signal: PL093554.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.002 min
Response: 153072667
Conc: 52.58 ng/ml

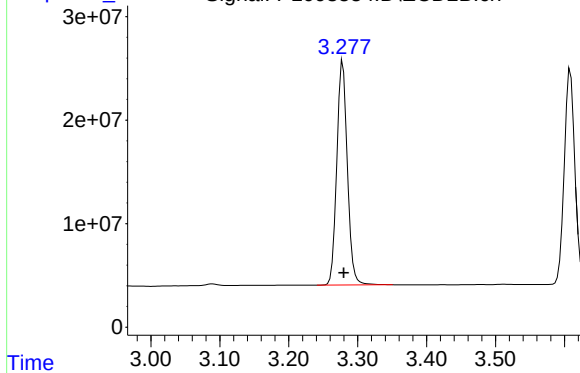
Response_ Signal: PL093554.D\ECD1A.ch



#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: -0.002 min
Response: 176402359
Conc: 51.10 ng/ml

Response_ Signal: PL093554.D\ECD2B.ch



#2 alpha-BHC

R.T.: 3.278 min
Delta R.T.: -0.001 min
Response: 230381999
Conc: 53.00 ng/ml

Response_ Signal: PL093554.D\ECD1A.ch

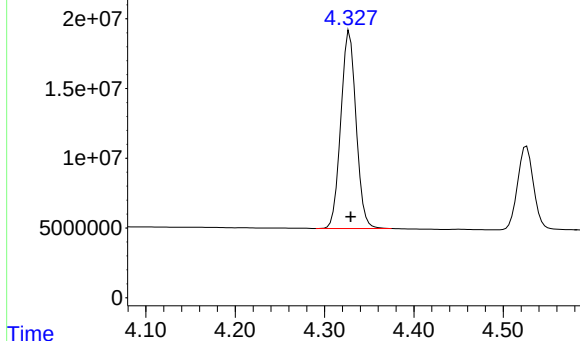
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: -0.001 min
Response: 168004376
Conc: 51.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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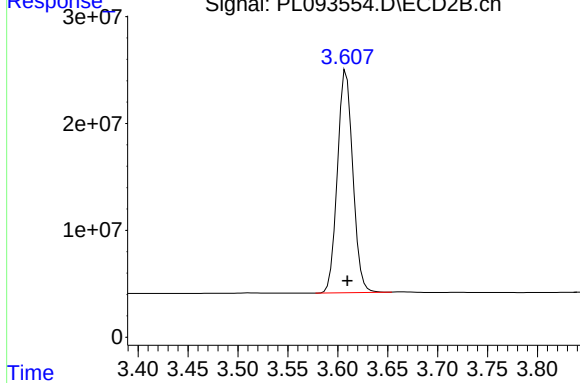
Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



Response_ Signal: PL093554.D\ECD2B.ch

#3 gamma-BHC (Lindane)

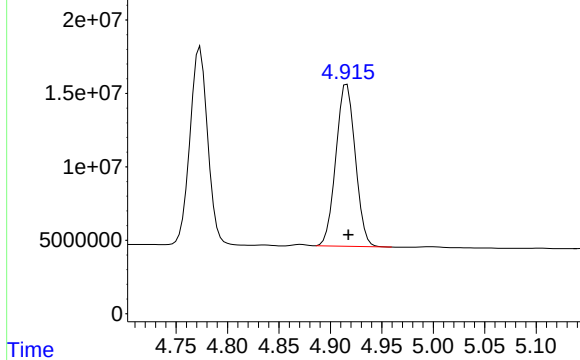
R.T.: 3.609 min
Delta R.T.: -0.001 min
Response: 223371824
Conc: 52.94 ng/ml



Response_ Signal: PL093554.D\ECD1A.ch

#4 Heptachlor

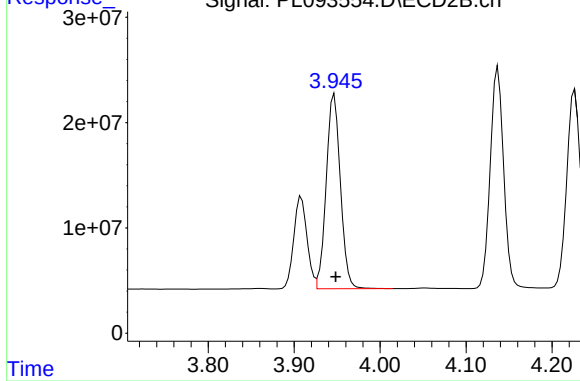
R.T.: 4.916 min
Delta R.T.: -0.001 min
Response: 144551370
Conc: 49.36 ng/ml

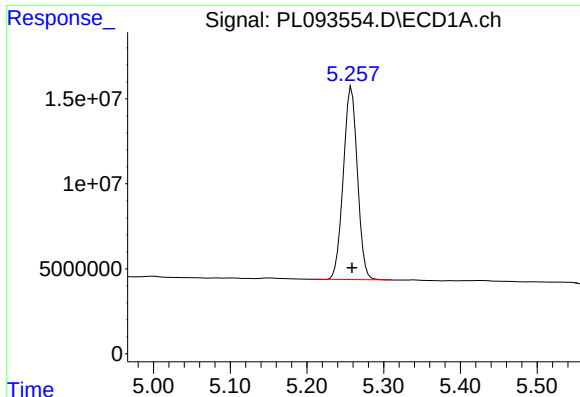


Response_ Signal: PL093554.D\ECD2B.ch

#4 Heptachlor

R.T.: 3.947 min
Delta R.T.: -0.002 min
Response: 211829799
Conc: 50.97 ng/ml





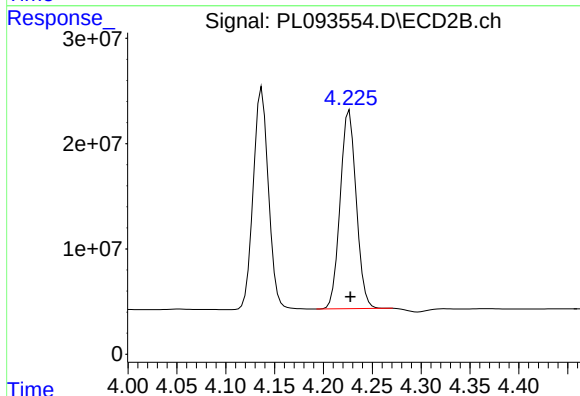
#5 Aldrin

R.T.: 5.258 min
Delta R.T.: 0.000 min
Response: 145390472
Conc: 49.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

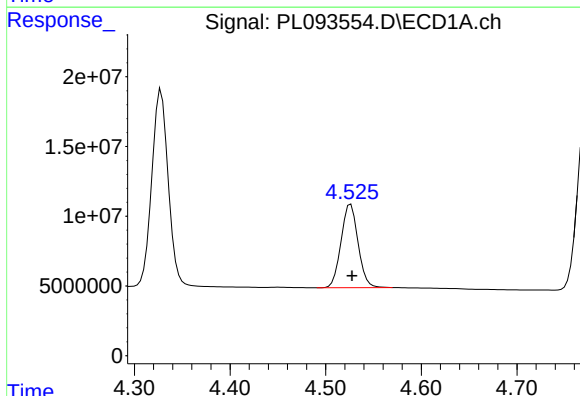
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



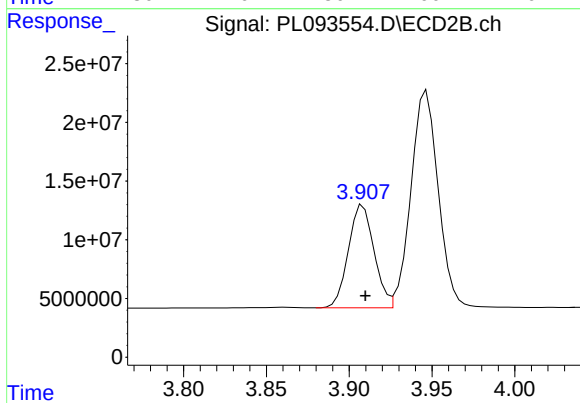
#5 Aldrin

R.T.: 4.227 min
Delta R.T.: -0.001 min
Response: 215796187
Conc: 52.60 ng/ml



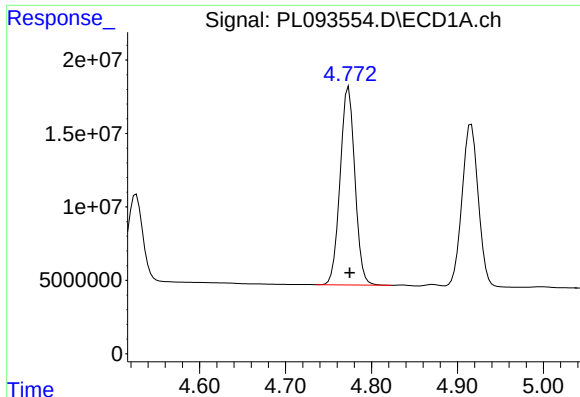
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: -0.001 min
Response: 74187391
Conc: 51.46 ng/ml



#6 beta-BHC

R.T.: 3.908 min
Delta R.T.: -0.001 min
Response: 94548729
Conc: 52.60 ng/ml



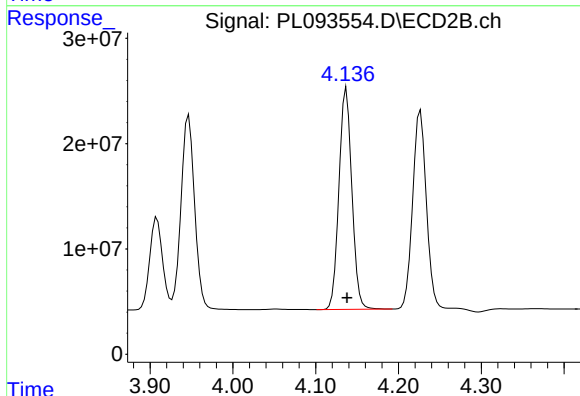
#7 delta-BHC

R.T.: 4.773 min
Delta R.T.: -0.001 min
Response: 161001674
Conc: 52.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

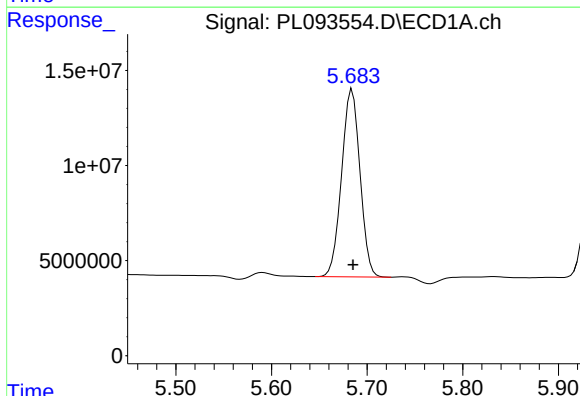
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



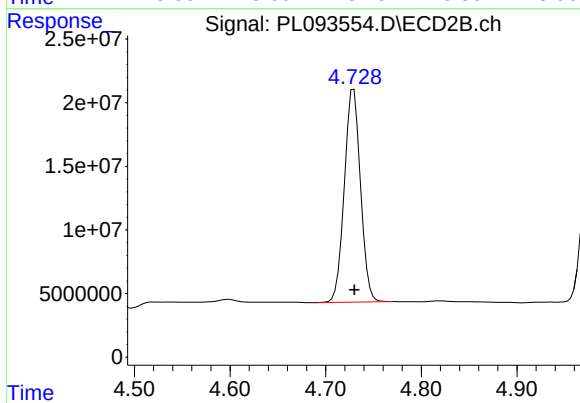
#7 delta-BHC

R.T.: 4.137 min
Delta R.T.: -0.001 min
Response: 227600598
Conc: 53.82 ng/ml



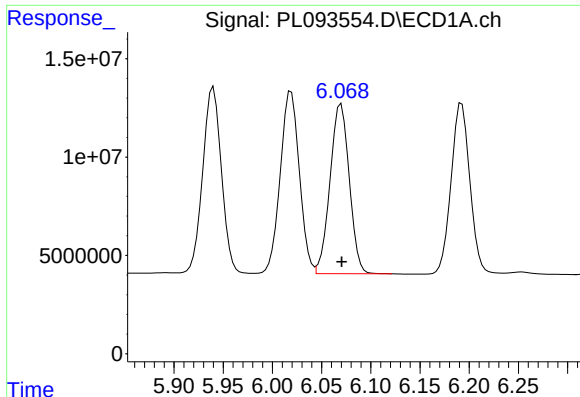
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: -0.001 min
Response: 132231141
Conc: 50.19 ng/ml



#8 Heptachlor epoxide

R.T.: 4.729 min
Delta R.T.: 0.000 min
Response: 197361009
Conc: 51.55 ng/ml



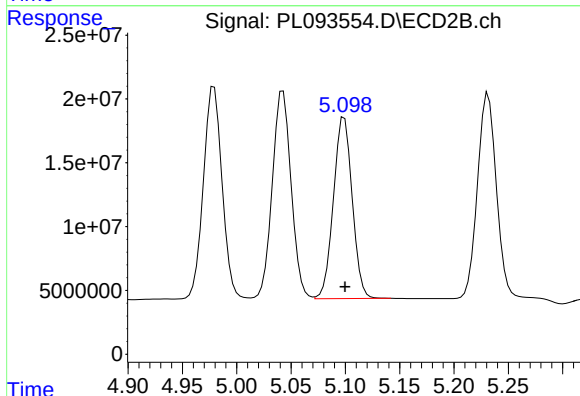
#9 Endosulfan I

R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 117432138
Conc: 49.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

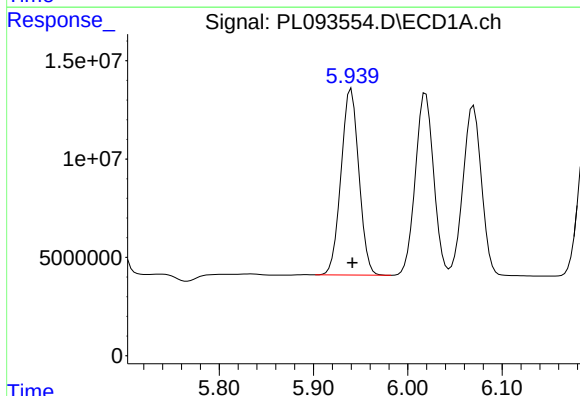
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



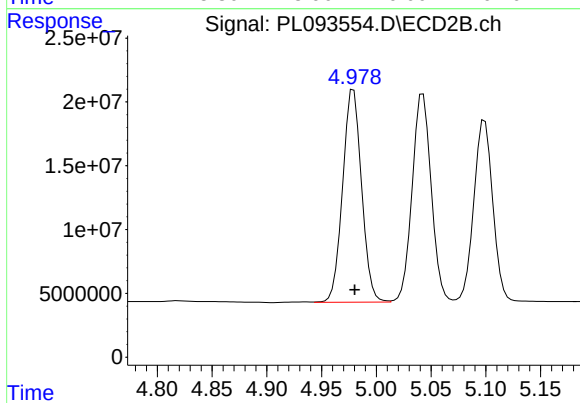
#9 Endosulfan I

R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 170841412
Conc: 48.90 ng/ml



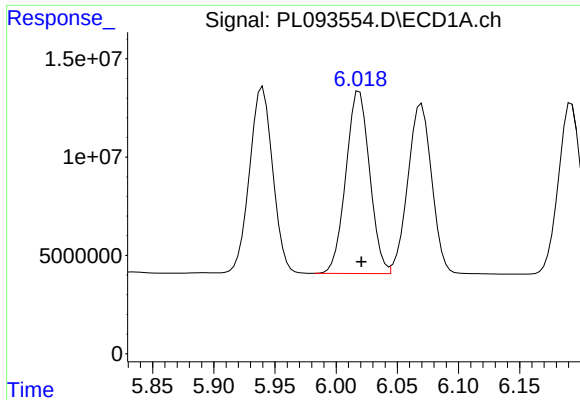
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.001 min
Response: 124707628
Conc: 49.62 ng/ml



#10 gamma-Chlordane

R.T.: 4.979 min
Delta R.T.: -0.001 min
Response: 200515078
Conc: 52.04 ng/ml



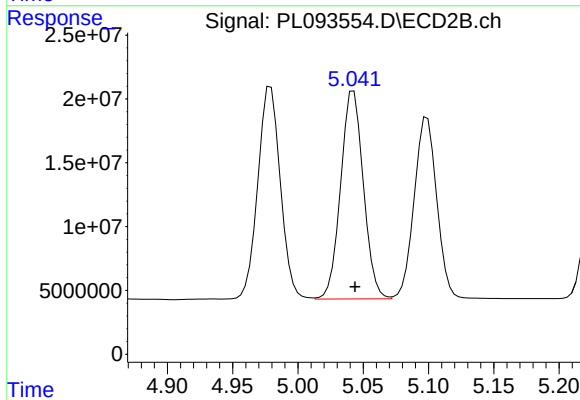
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: -0.001 min
Response: 125309257
Conc: 50.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

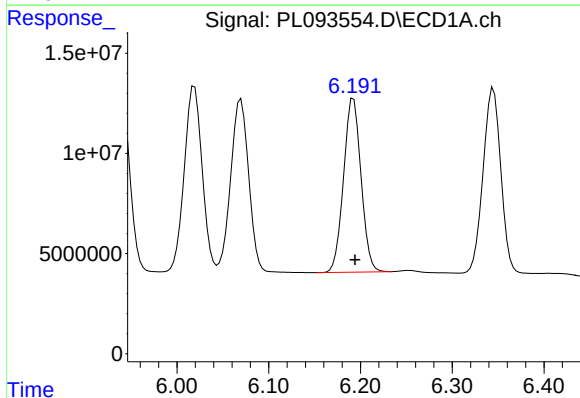
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



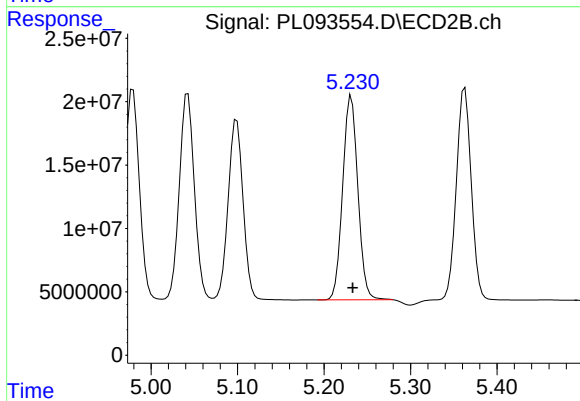
#11 alpha-Chlordane

R.T.: 5.043 min
Delta R.T.: -0.001 min
Response: 197488652
Conc: 51.87 ng/ml



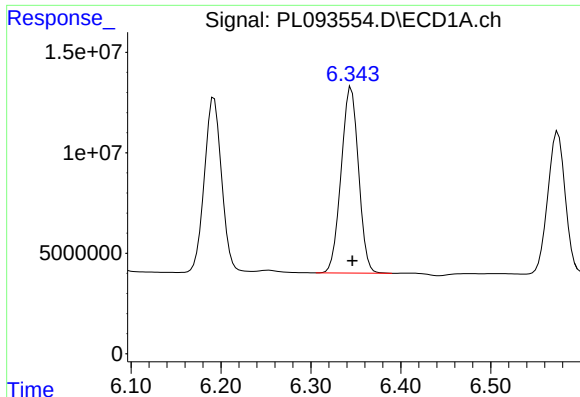
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.002 min
Response: 114610705
Conc: 51.08 ng/ml



#12 4,4'-DDE

R.T.: 5.231 min
Delta R.T.: -0.001 min
Response: 195095493
Conc: 53.05 ng/ml



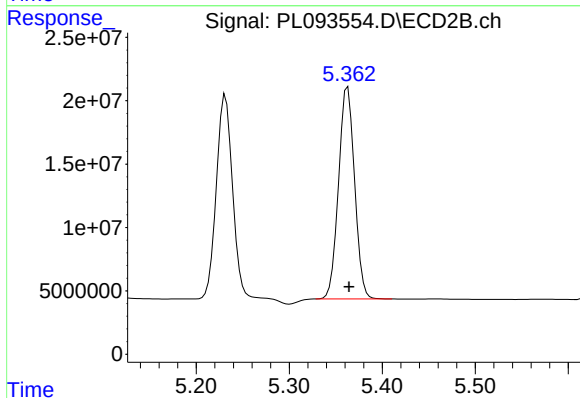
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: -0.001 min
Response: 124152555
Conc: 49.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

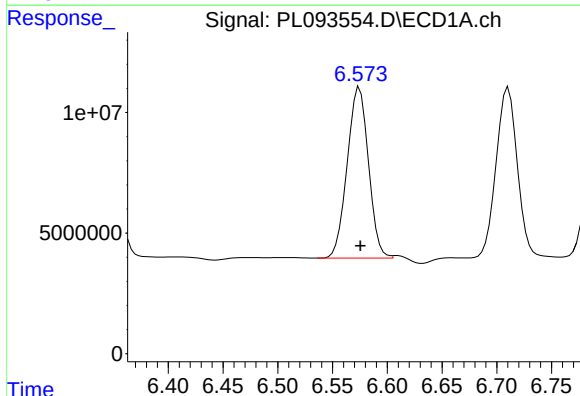
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



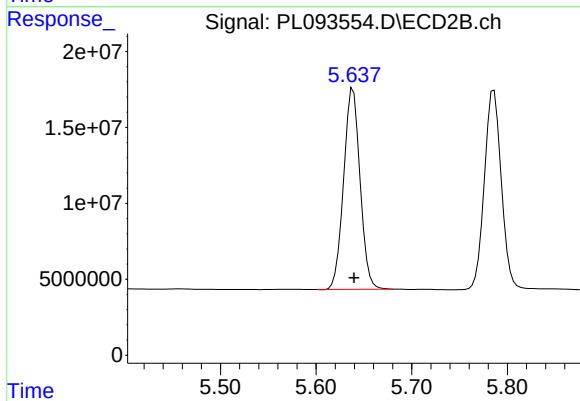
#13 Dieldrin

R.T.: 5.363 min
Delta R.T.: -0.001 min
Response: 200503526
Conc: 52.03 ng/ml



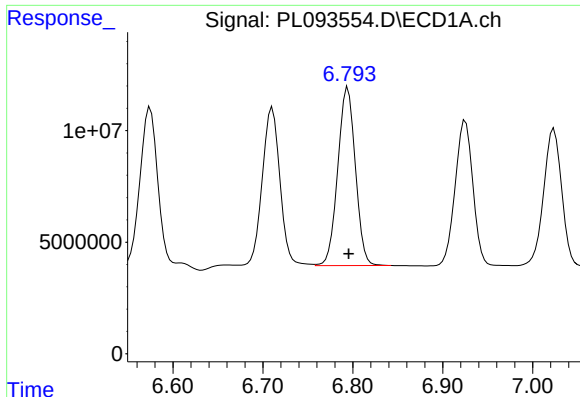
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.002 min
Response: 95715717
Conc: 44.47 ng/ml m



#14 Endrin

R.T.: 5.639 min
Delta R.T.: 0.000 min
Response: 158641180
Conc: 47.95 ng/ml



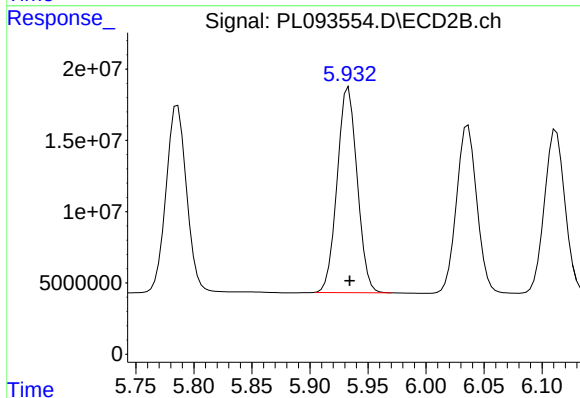
#15 Endosulfan II

R.T.: 6.795 min
Delta R.T.: 0.000 min
Response: 108654980
Conc: 47.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

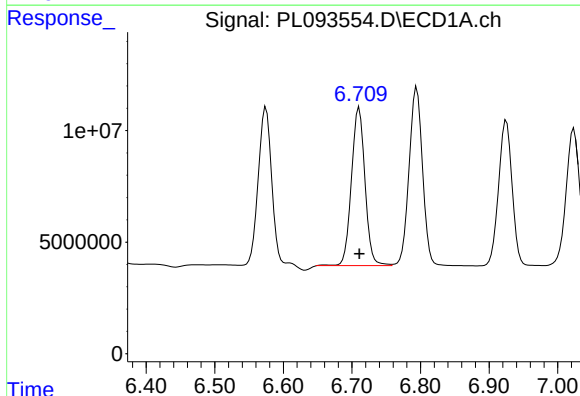
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



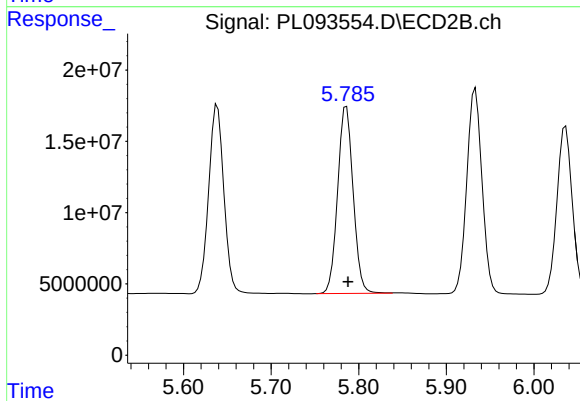
#15 Endosulfan II

R.T.: 5.933 min
Delta R.T.: 0.000 min
Response: 173065049
Conc: 53.27 ng/ml



#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.000 min
Response: 97056352
Conc: 55.27 ng/ml

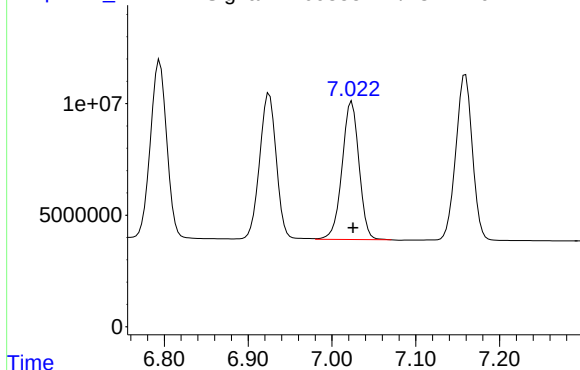


#16 4,4'-DDD

R.T.: 5.786 min
Delta R.T.: -0.002 min
Response: 161356537
Conc: 57.01 ng/ml

Signal: PL093554.D\ECD1A.ch

#17 4,4'-DDT



R.T.: 7.024 min
Delta R.T.: -0.001 min
Response: 86948186
Conc: 47.04 ng/ml

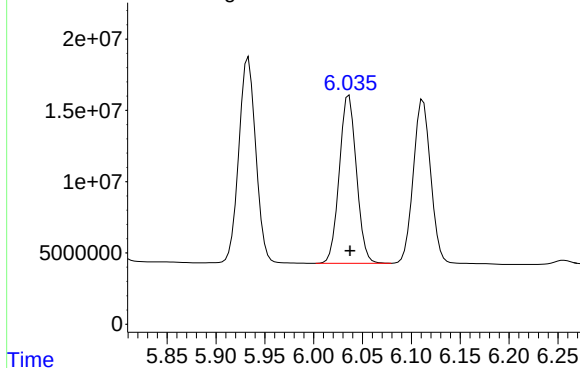
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024

Signal: PL093554.D\ECD2B.ch

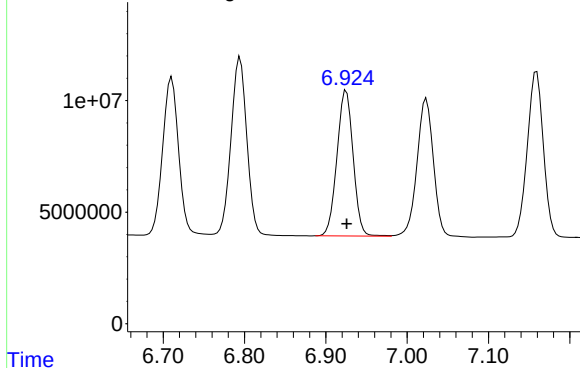
#17 4,4'-DDT



R.T.: 6.036 min
Delta R.T.: -0.001 min
Response: 143937118
Conc: 47.66 ng/ml

Signal: PL093554.D\ECD1A.ch

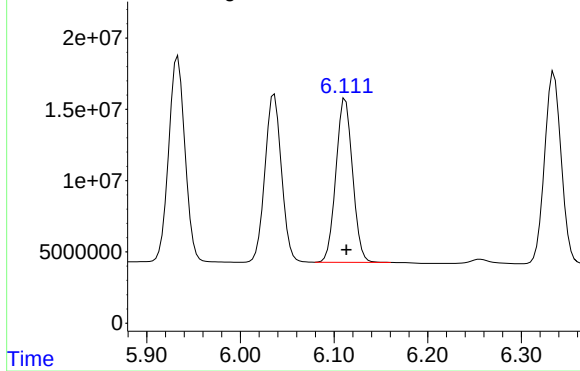
#18 Endrin aldehyde



R.T.: 6.925 min
Delta R.T.: 0.000 min
Response: 90068168
Conc: 50.76 ng/ml

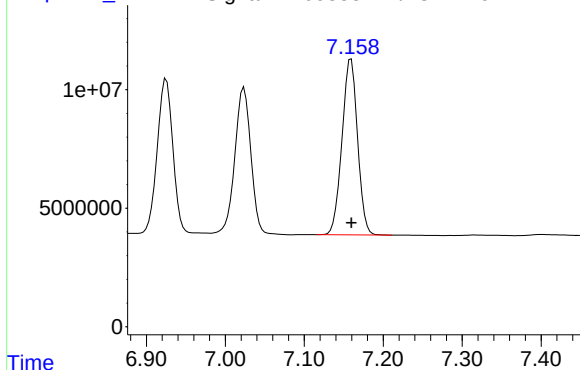
Signal: PL093554.D\ECD2B.ch

#18 Endrin aldehyde



R.T.: 6.112 min
Delta R.T.: -0.001 min
Response: 141906473
Conc: 52.69 ng/ml

Response_ Signal: PL093554.D\ECD1A.ch



#19 Endosulfan Sulfate

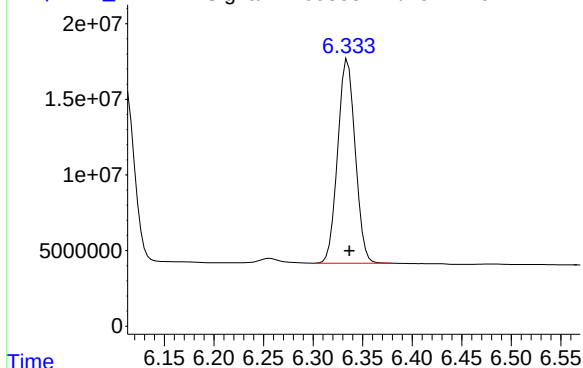
R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 101567994
Conc: 50.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024

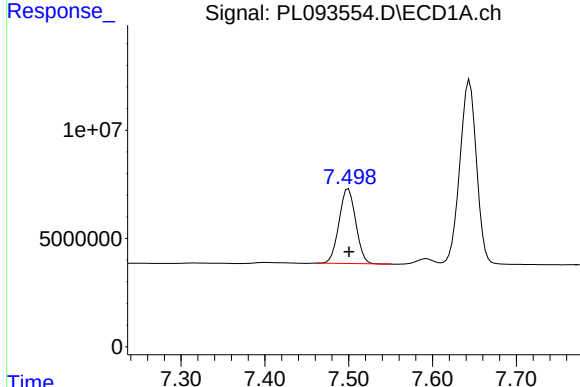
Response_ Signal: PL093554.D\ECD2B.ch



#19 Endosulfan Sulfate

R.T.: 6.335 min
Delta R.T.: -0.002 min
Response: 165786681
Conc: 52.56 ng/ml

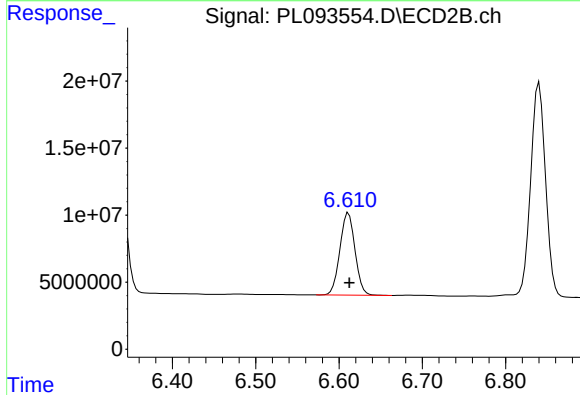
Response_ Signal: PL093554.D\ECD1A.ch



#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 47768081
Conc: 47.78 ng/ml

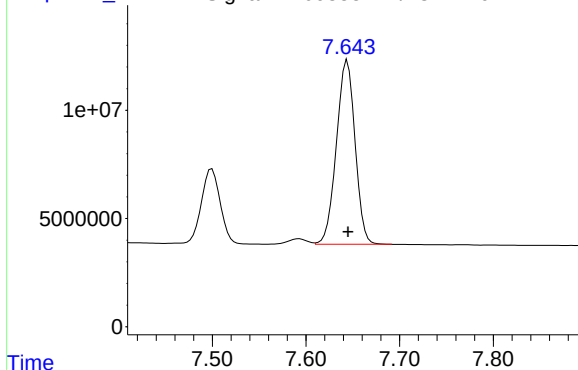
Response_ Signal: PL093554.D\ECD2B.ch



#20 Methoxychlor

R.T.: 6.612 min
Delta R.T.: 0.000 min
Response: 77332187
Conc: 48.04 ng/ml

Response_ Signal: PL093554.D\ECD1A.ch



#21 Endrin ketone

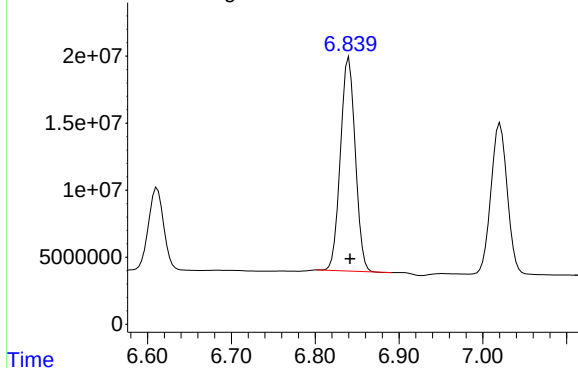
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 117797225
Conc: 52.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024

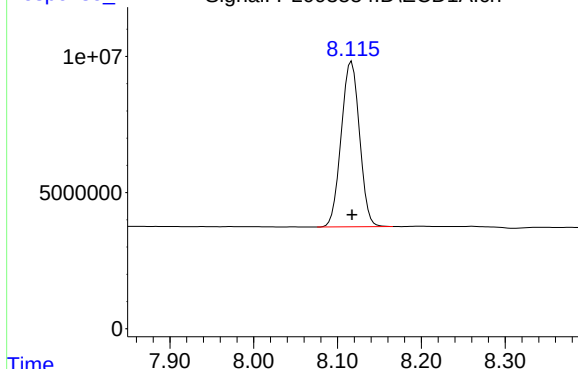
Response_ Signal: PL093554.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.840 min
Delta R.T.: -0.001 min
Response: 195976995
Conc: 53.83 ng/ml

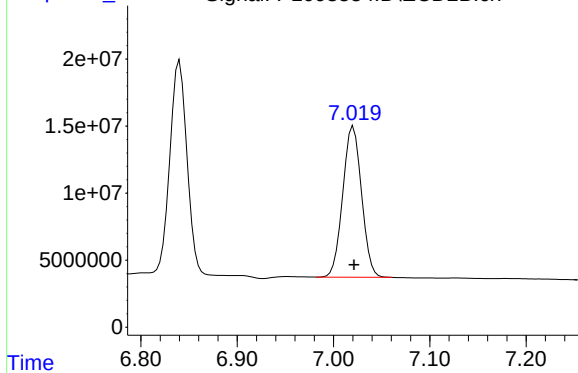
Response_ Signal: PL093554.D\ECD1A.ch



#22 Mirex

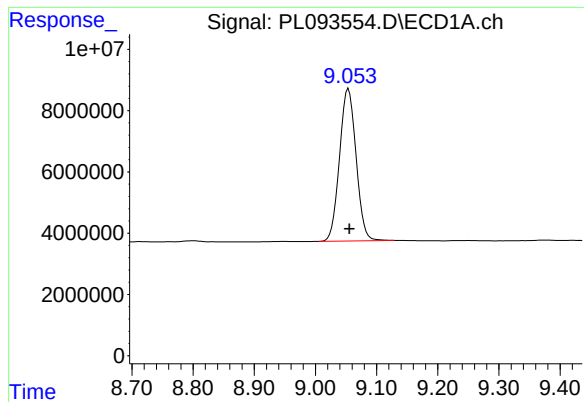
R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 92354299
Conc: 49.42 ng/ml

Response_ Signal: PL093554.D\ECD2B.ch



#22 Mirex

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 152025344
Conc: 49.74 ng/ml



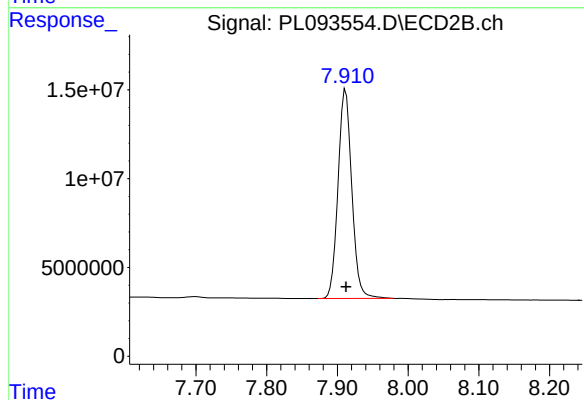
#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.002 min
Response: 93458102
Conc: 50.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 159339924
Conc: 53.36 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 12/23/2024 12/23/2024

Client Sample No. (PEM): PEM - PL093482.D Date Analyzed: 12/23/2024

Lab Sample No.(PEM): PEM Time Analyzed: 12:47

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.054	8.950	9.150	19.460	20.000	-2.7
Tetrachloro-m-xylene	3.541	3.490	3.590	19.200	20.000	-4.0
alpha-BHC	3.997	3.950	4.050	9.900	10.000	-1.0
beta-BHC	4.528	4.480	4.580	9.800	10.000	-2.0
gamma-BHC (Lindane)	4.329	4.280	4.380	9.720	10.000	-2.8
Endrin	6.575	6.500	6.650	42.660	50.000	-14.7
4,4'-DDT	7.025	6.950	7.100	85.450	100.000	-14.6
Methoxychlor	7.501	7.430	7.570	195.970	250.000	-21.6

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 12/23/2024 12/23/2024

Client Sample No. (PEM): PEM - PL093482.D Date Analyzed: 12/23/2024

Lab Sample No.(PEM): PEM Time Analyzed: 12:47

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.912	7.810	8.010	18.580	20.000	-7.1
Tetrachloro-m-xylene	2.777	2.730	2.830	18.650	20.000	-6.8
alpha-BHC	3.280	3.230	3.330	8.850	10.000	-11.5
beta-BHC	3.910	3.860	3.960	9.830	10.000	-1.7
gamma-BHC (Lindane)	3.609	3.560	3.660	8.480	10.000	-15.2
Endrin	5.639	5.570	5.710	44.360	50.000	-11.3
4,4'-DDT	6.038	5.970	6.110	99.160	100.000	-0.8
Methoxychlor	6.612	6.540	6.680	219.190	250.000	-12.3

PEM

Data File Name PL093482.D

Operator AR\AJ

Date Acquired 12/23/2024 12:47

DDT BREAKDOWN**COLUMN#1**

Name	RT	Response	Response (DDT+DDE+DDD)	Response DDE+DDD	%Break Down
4,4'-DDT	8.4	157953498.4	160828683	2875184.637	1.79
4,4'-DDE	7.56	707103.933			
4,4'-DDD	8.14	2168080.704			

COLUMN#2

Name	RT	Response	Response (DDT+DDE+DDD)	Response DDE+DDD	%Break Down
4,4'-DDT #2	9.35	299487884.2	303475030.3	3987146.044	1.31
4,4'-DDE #2	8.49	399389.258			
4,4'-DDD #2	9.03	3587756.786			

ENDRIN BREAKDOWN**COLUMN#1**

Name	RT	Response	Response (E+EA+EK)	Response (EA+EK)	%Break Down
Endrin	6.58	91814867.26	99124742.86	7309875.6	7.37
Endrin aldehyde	6.92	2485457.69			
Endrin ketone	7.64	4824417.91			

COLUMN#2

Name	RT	Response	Response (E+EA+EK)	Response (EA+EK)	%Break Down
Endrin #2	5.64	146742127.4	159953264.7	13211137.29	8.26
Endrin aldehyde #2	6.11	5257886.947			
Endrin ketone #2	6.84	7953250.348			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
 Data File : PL093482.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Dec 2024 12:47
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 12/26/2024
 Supervised By : Ankita Jodhani 12/27/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 24 15:31:17 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 15:29:41 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.541	2.777	47536002	54294452	19.201	18.650
28)	SA Decachlor...	9.054	7.912	35989086	55472119	19.464	18.578
Target Compounds							
2)	A alpha-BHC	3.997	3.280	34176583	38465322	9.899	8.849
3)	MA gamma-BHC...	4.329	3.609	31887544	35771899	9.724	8.478
6)	B beta-BHC	4.528	3.910	14127284	17662036	9.800	9.826
12)	B 4,4'-DDE	6.193	5.233	707104	399389	0.315m	0.109m#
14)	MA Endrin	6.575	5.639	91814867	146.7E6	42.656	44.355
16)	A 4,4'-DDD	6.712	5.788	2168081	3587757	1.235	1.268
17)	MA 4,4'-DDT	7.025	6.038	158.0E6	299.5E6	85.448	99.158
18)	B Endrin al...	6.925	6.113	2485458	5257887	1.401	1.952 #
20)	A Methoxychlor	7.501	6.612	195.9E6	352.8E6	195.970	219.193
21)	B Endrin ke...	7.643	6.839	4824418	7953250	2.150	2.185m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
Data File : PL093482.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Dec 2024 12:47
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

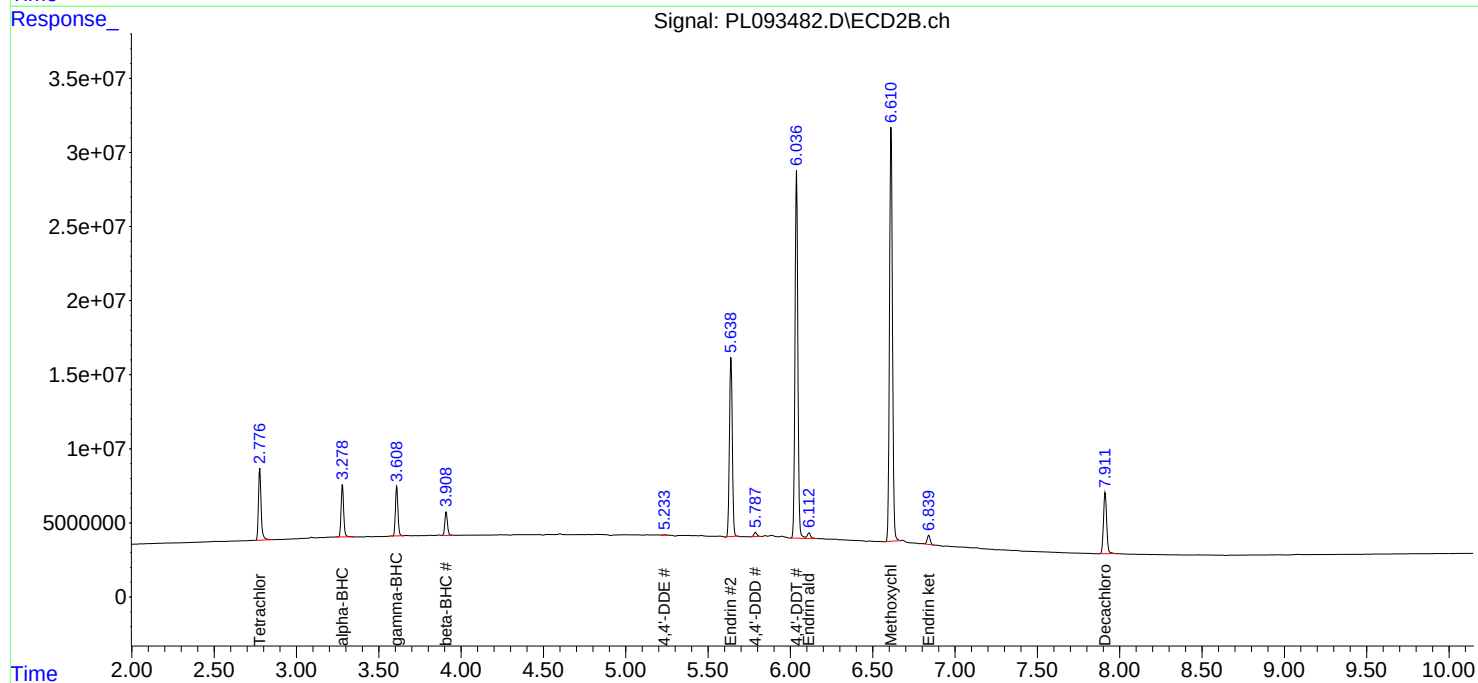
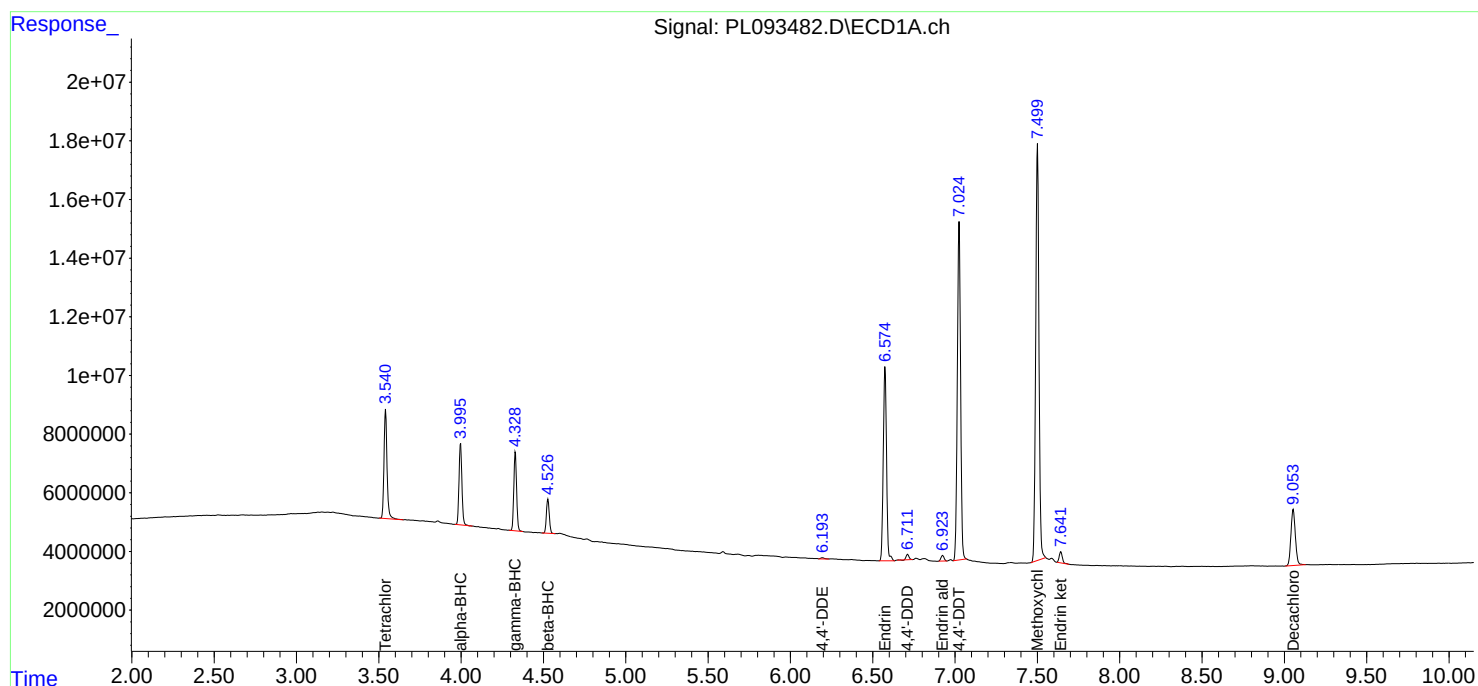
Instrument :
ECD_L
ClientSampleId :
PEM

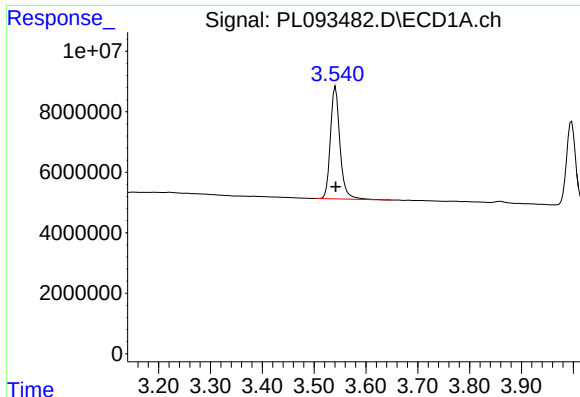
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 12/26/2024
Supervised By : Ankita Jodhani 12/27/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 24 15:31:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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





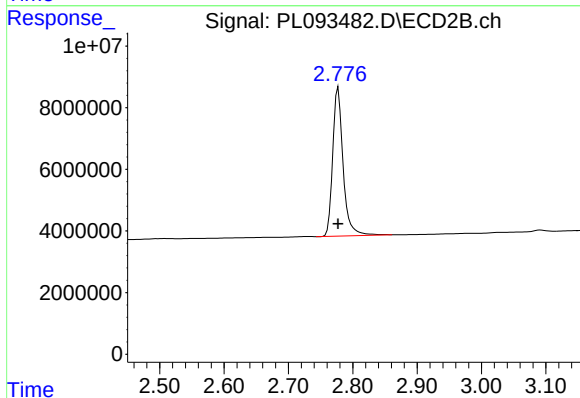
#1 Tetrachloro-m-xylene

R.T.: 3.541 min
Delta R.T.: 0.000 min
Response: 47536002
Conc: 19.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

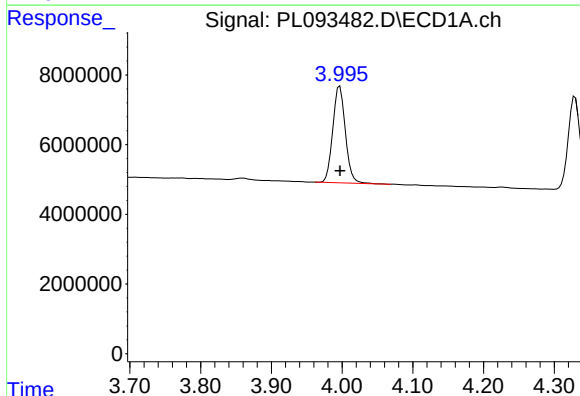
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/26/2024
Supervised By :Ankita Jodhani 12/27/2024



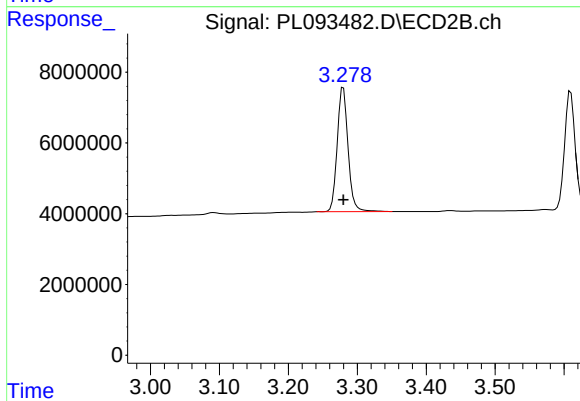
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 54294452
Conc: 18.65 ng/ml



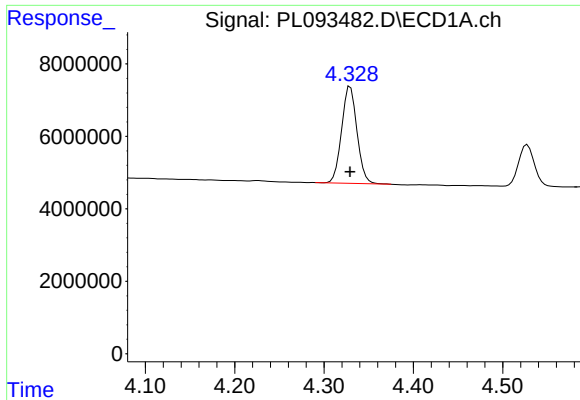
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 34176583
Conc: 9.90 ng/ml



#2 alpha-BHC

R.T.: 3.280 min
Delta R.T.: 0.000 min
Response: 38465322
Conc: 8.85 ng/ml



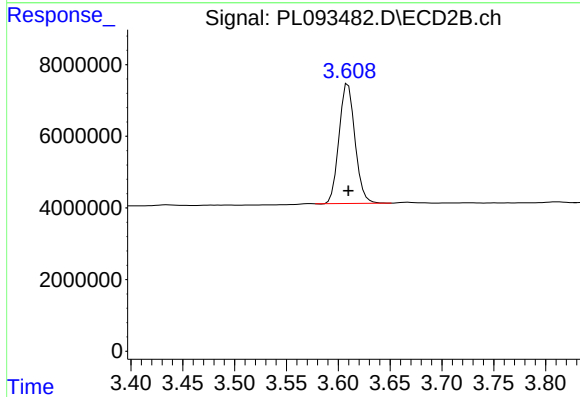
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 31887544
Conc: 9.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

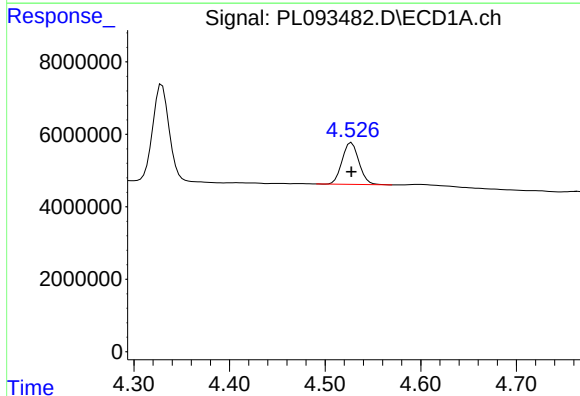
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/26/2024
Supervised By :Ankita Jodhani 12/27/2024



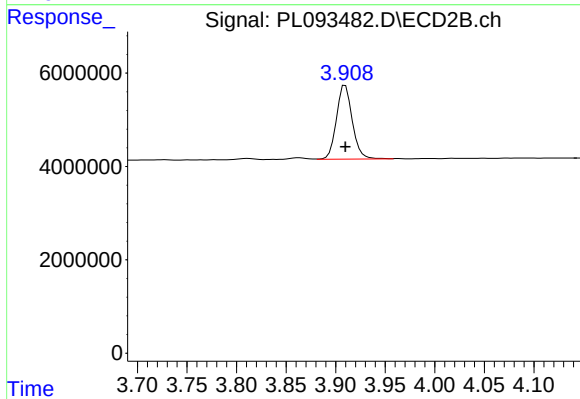
#3 gamma-BHC (Lindane)

R.T.: 3.609 min
Delta R.T.: 0.000 min
Response: 35771899
Conc: 8.48 ng/ml



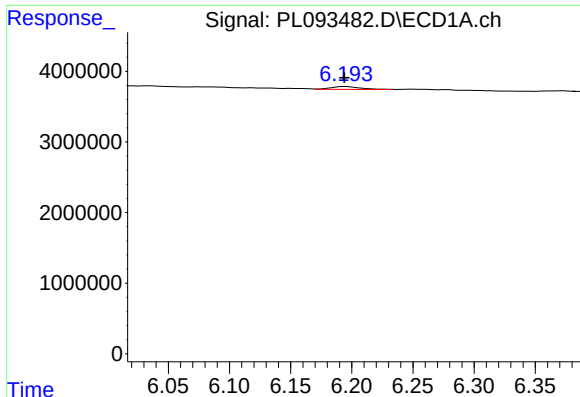
#6 beta-BHC

R.T.: 4.528 min
Delta R.T.: 0.000 min
Response: 14127284
Conc: 9.80 ng/ml



#6 beta-BHC

R.T.: 3.910 min
Delta R.T.: 0.000 min
Response: 17662036
Conc: 9.83 ng/ml



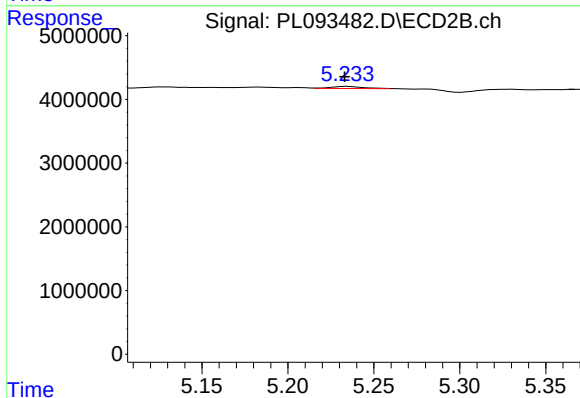
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 707104
Conc: 0.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

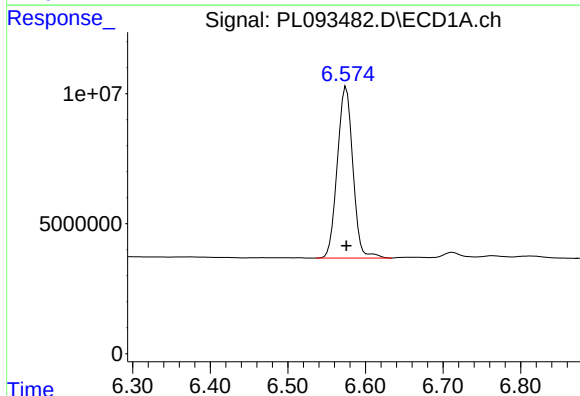
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/26/2024
Supervised By :Ankita Jodhani 12/27/2024



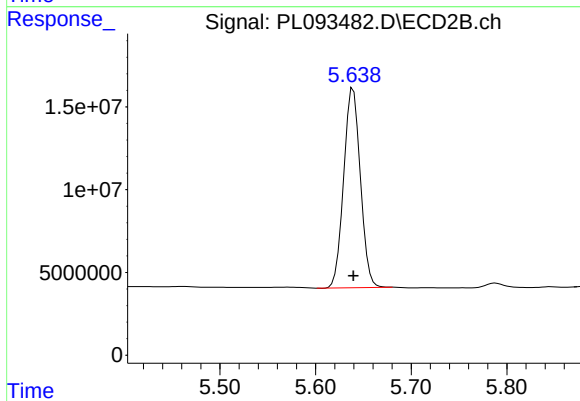
#12 4,4'-DDE

R.T.: 5.233 min
Delta R.T.: 0.000 min
Response: 399389
Conc: 0.11 ng/ml m



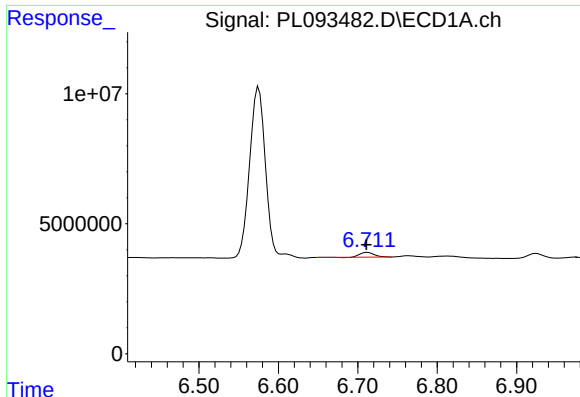
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 91814867
Conc: 42.66 ng/ml



#14 Endrin

R.T.: 5.639 min
Delta R.T.: 0.000 min
Response: 146742127
Conc: 44.36 ng/ml



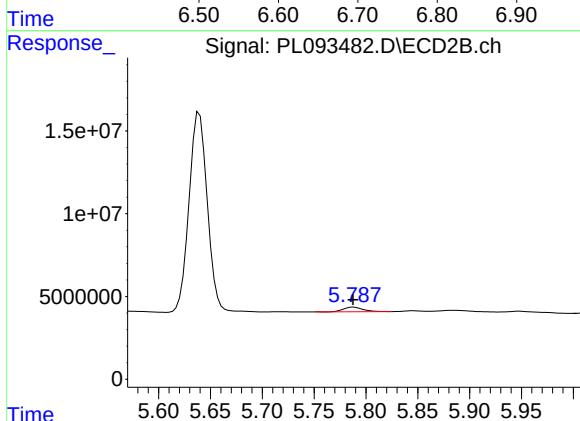
#16 4,4'-DDD

R.T.: 6.712 min
Delta R.T.: 0.001 min
Response: 2168081
Conc: 1.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

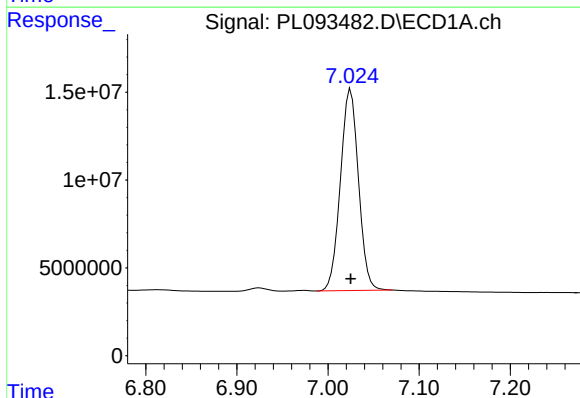
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/26/2024
Supervised By :Ankita Jodhani 12/27/2024



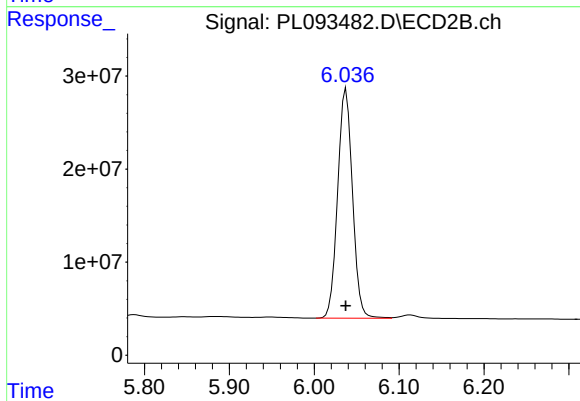
#16 4,4'-DDD

R.T.: 5.788 min
Delta R.T.: 0.000 min
Response: 3587757
Conc: 1.27 ng/ml



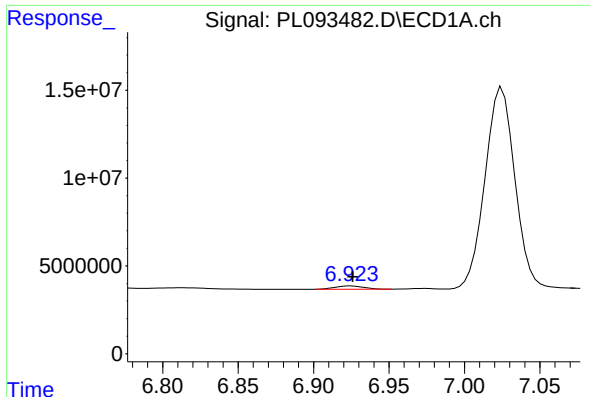
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.000 min
Response: 157953498
Conc: 85.45 ng/ml



#17 4,4'-DDT

R.T.: 6.038 min
Delta R.T.: 0.000 min
Response: 299487884
Conc: 99.16 ng/ml



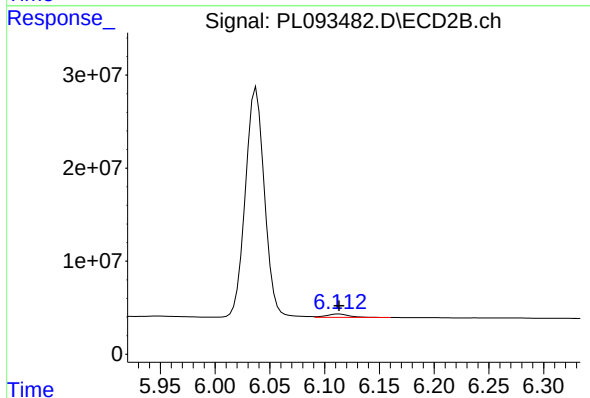
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: -0.001 min
Response: 2485458
Conc: 1.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

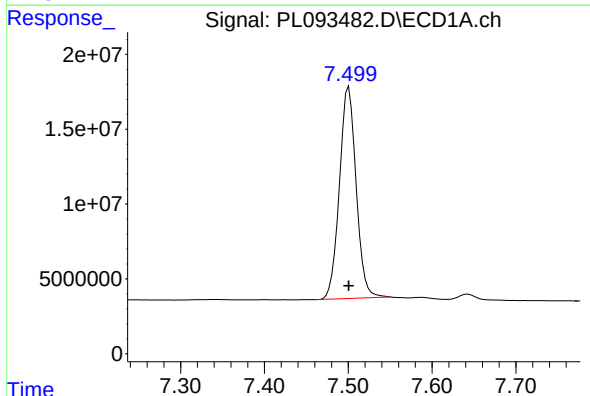
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/26/2024
Supervised By :Ankita Jodhani 12/27/2024



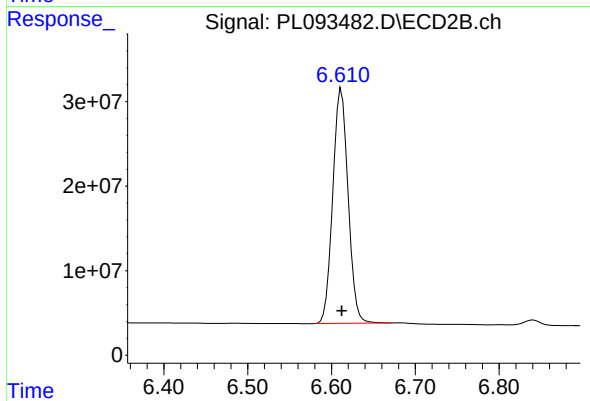
#18 Endrin aldehyde

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 5257887
Conc: 1.95 ng/ml



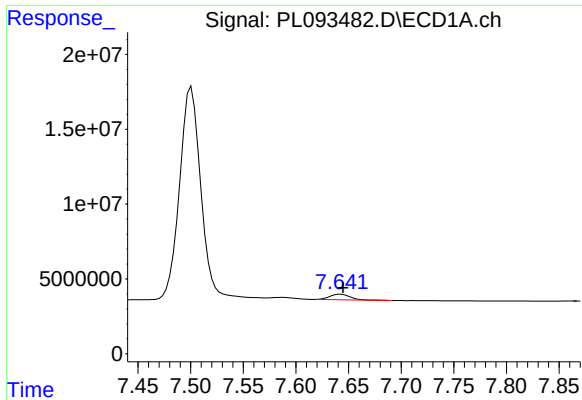
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 195906432
Conc: 195.97 ng/ml



#20 Methoxychlor

R.T.: 6.612 min
Delta R.T.: 0.000 min
Response: 352820920
Conc: 219.19 ng/ml



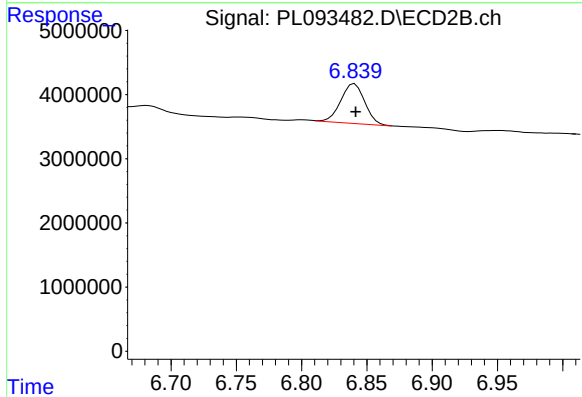
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: -0.002 min
Response: 4824418
Conc: 2.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

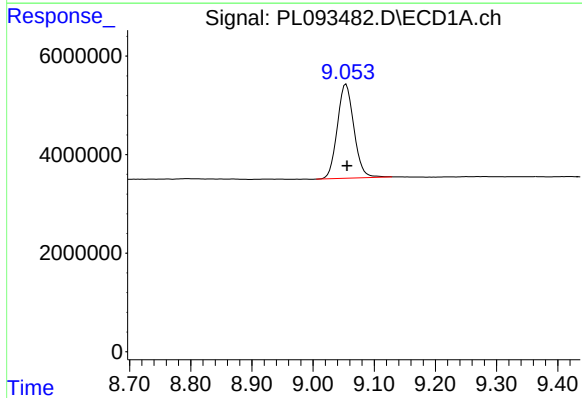
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/26/2024
Supervised By :Ankita Jodhani 12/27/2024



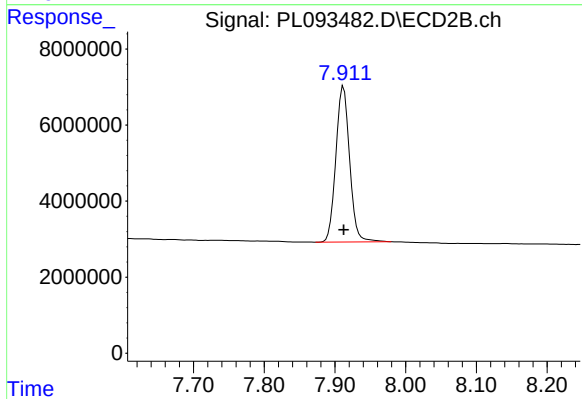
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: -0.002 min
Response: 7953250
Conc: 2.18 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.002 min
Response: 35989086
Conc: 19.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 55472119
Conc: 18.58 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 12/23/2024 12/23/2024

Client Sample No. (PEM): PEM - PL093529.D Date Analyzed: 12/27/2024

Lab Sample No.(PEM): PEM Time Analyzed: 10:16

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.053	8.950	9.150	24.200	20.000	21.0
Tetrachloro-m-xylene	3.539	3.490	3.590	23.300	20.000	16.5
alpha-BHC	3.995	3.940	4.050	12.160	10.000	21.6
beta-BHC	4.526	4.480	4.580	12.810	10.000	28.1
gamma-BHC (Lindane)	4.328	4.280	4.380	12.110	10.000	21.1
Endrin	6.574	6.500	6.640	50.350	50.000	0.7
4,4'-DDT	7.025	6.950	7.100	108.020	100.000	8.0
Methoxychlor	7.500	7.430	7.570	249.750	250.000	-0.1

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 12/23/2024 12/23/2024

Client Sample No. (PEM): PEM - PL093529.D Date Analyzed: 12/27/2024

Lab Sample No.(PEM): PEM Time Analyzed: 10:16

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.911	7.810	8.010	23.700	20.000	18.5
Tetrachloro-m-xylene	2.774	2.720	2.820	22.220	20.000	11.1
alpha-BHC	3.277	3.230	3.330	10.600	10.000	6.0
beta-BHC	3.908	3.860	3.960	12.030	10.000	20.3
gamma-BHC (Lindane)	3.607	3.560	3.660	10.220	10.000	2.2
Endrin	5.639	5.570	5.710	54.180	50.000	8.4
4,4'-DDT	6.036	5.970	6.110	123.860	100.000	23.9
Methoxychlor	6.611	6.540	6.680	271.500	250.000	8.6

Data File: PEM
 PL093529.D Date Acquired 12/27/2024 10:16
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	108382819.1	118532993.8	10150174.7	Down 8.56
Endrin aldehyde	6.92	3419745.252			
Endrin ketone	7.64	6730429.407			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	179260867.3	195610881.8	16350014.4	8.36
Endrin aldehyde #2	6.11	5989550.081			
Endrin ketone #2	6.84	10360464.36			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	199671538.9	203366971.1	3695432.11	1.82
4,4'-DDE	6.19	431095.479			
4,4'-DDD	6.71	3264336.632			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.04	374097019.9	378678779.6	4581759.75	1.21
4,4'-DDE #2	5.23	439160.774			
4,4'-DDD #2	5.79	4142598.978			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
 Data File : PL093529.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Dec 2024 10:16
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 12/30/2024
 Supervised By :Ankita Jodhani 12/30/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 28 00:53:13 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 15:29:41 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.539	2.774	57677825	64691613	23.298	22.222
28)	SA Decachlor...	9.053	7.911	44752922	70751622	24.204	23.695
Target Compounds							
2)	A alpha-BHC	3.995	3.277	41976854	46065465	12.159	10.598
3)	MA gamma-BHC...	4.328	3.607	39723505	43137874	12.113	10.224
6)	B beta-BHC	4.526	3.908	18466591	21624937	12.810	12.031
12)	B 4,4'-DDE	6.195	5.233	431095	439161	0.192m	0.119m#
14)	MA Endrin	6.574	5.639	108.4E6	179.3E6	50.353m	54.185
16)	A 4,4'-DDD	6.709	5.786	3264337	4142599	1.859m	1.464
17)	MA 4,4'-DDT	7.025	6.036	199.7E6	374.1E6	108.017	123.861
18)	B Endrin al...	6.924	6.112	3419745	5989550	1.927	2.224
20)	A Methoxychlor	7.500	6.611	249.7E6	437.0E6	249.746	271.498
21)	B Endrin ke...	7.643	6.839	6730429	10360464	2.999	2.846

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
Data File : PL093529.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Dec 2024 10:16
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

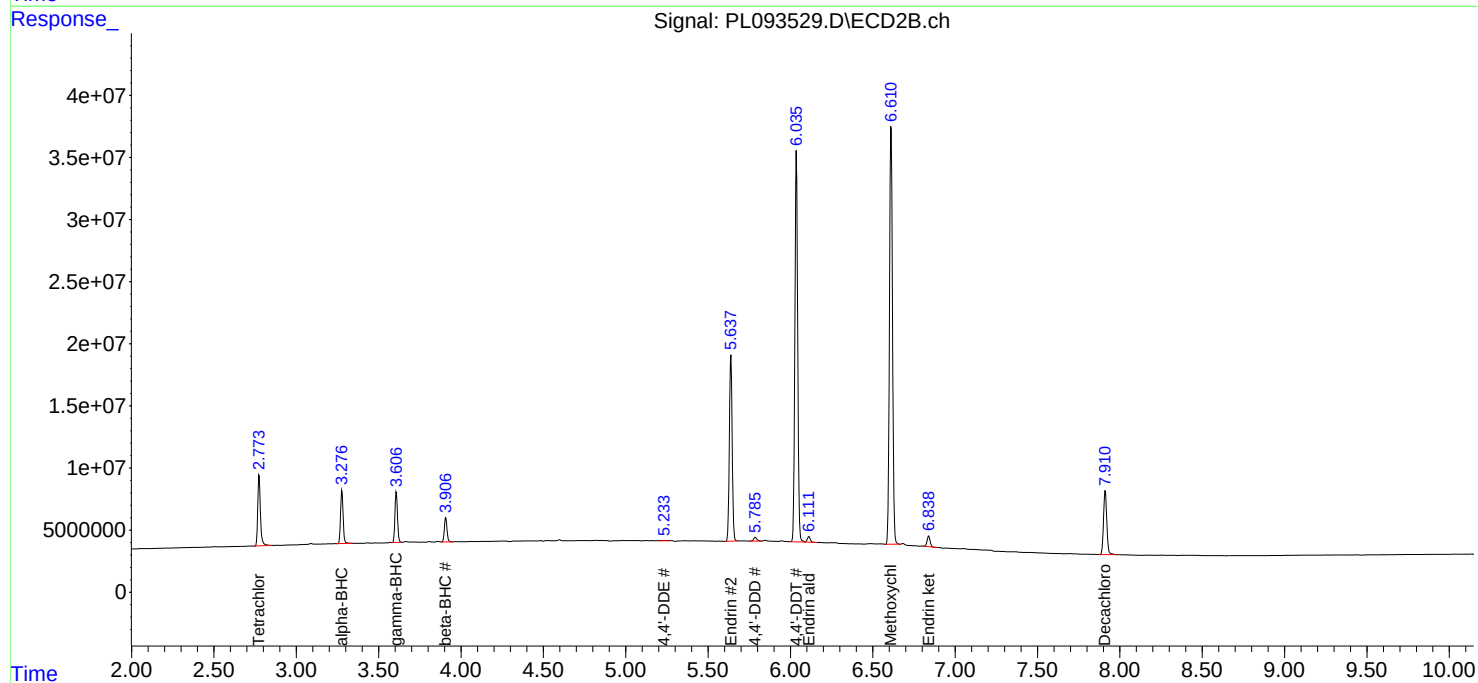
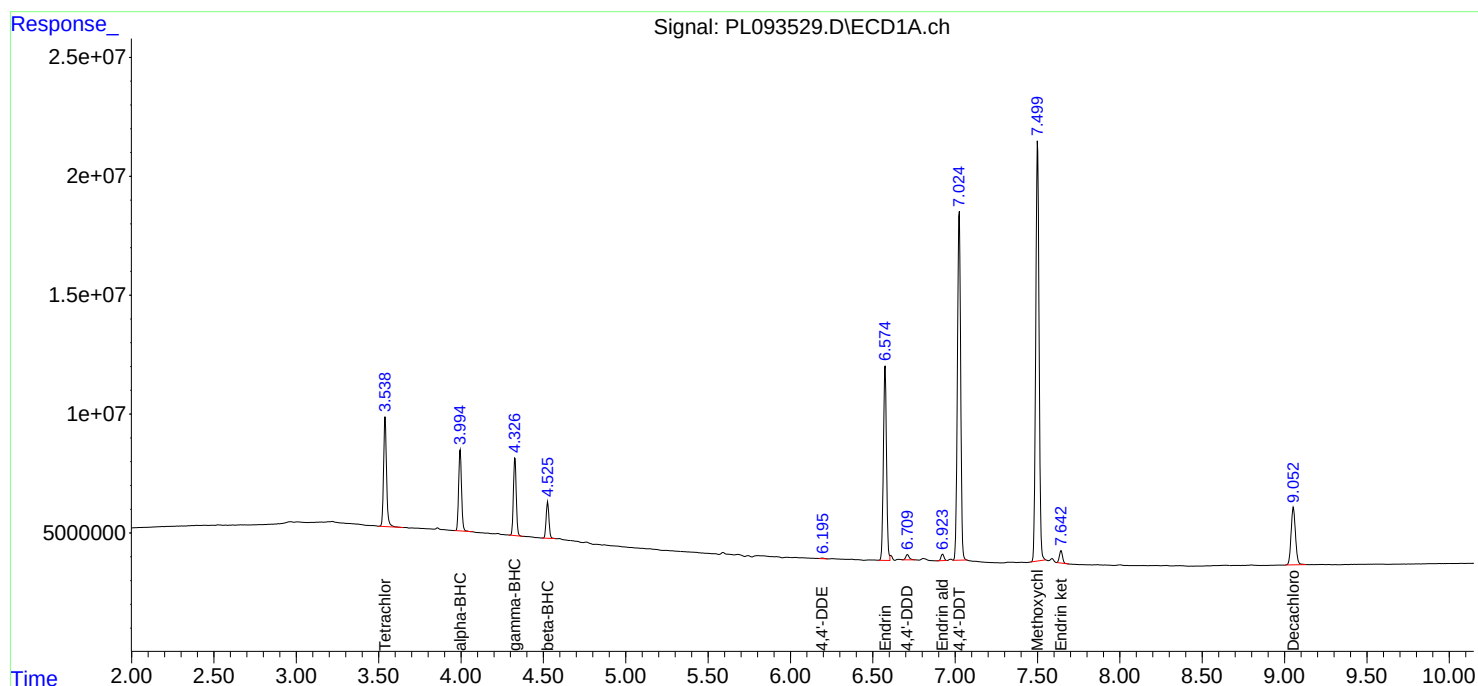
Instrument :
ECD_L
ClientSampleId :
PEM

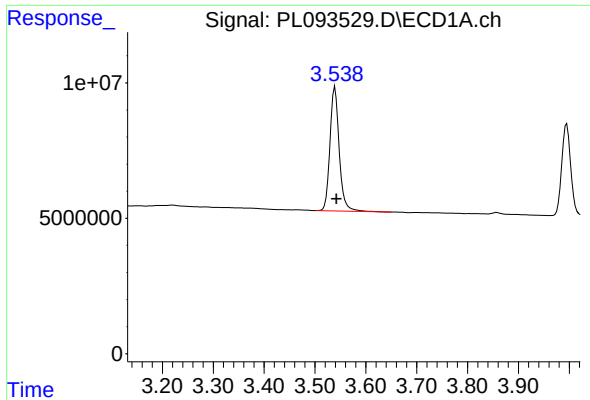
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 12/30/2024
Supervised By : Ankita Jodhani 12/30/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 28 00:53:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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





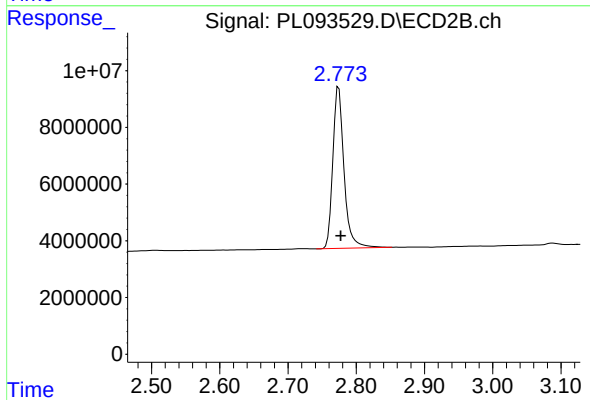
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: -0.003 min
Response: 57677825
Conc: 23.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

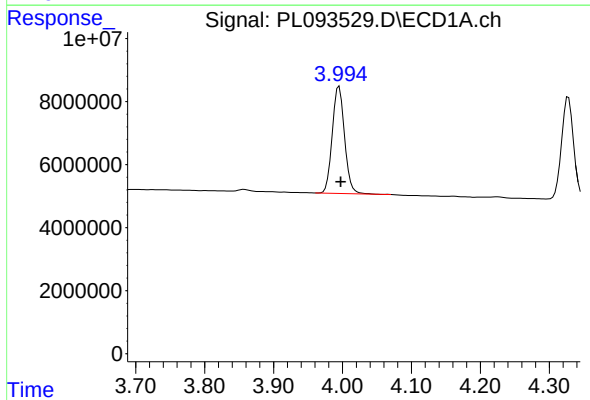
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



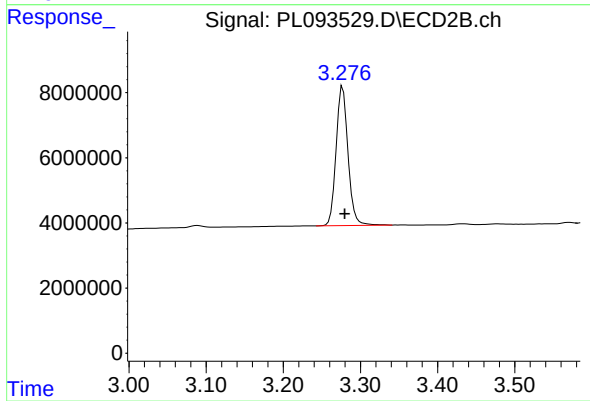
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: -0.003 min
Response: 64691613
Conc: 22.22 ng/ml



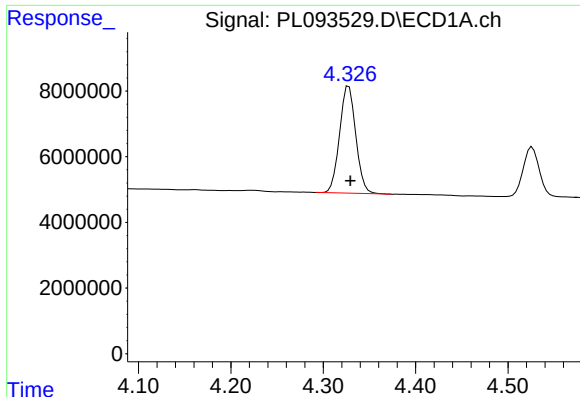
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: -0.002 min
Response: 41976854
Conc: 12.16 ng/ml



#2 alpha-BHC

R.T.: 3.277 min
Delta R.T.: -0.003 min
Response: 46065465
Conc: 10.60 ng/ml



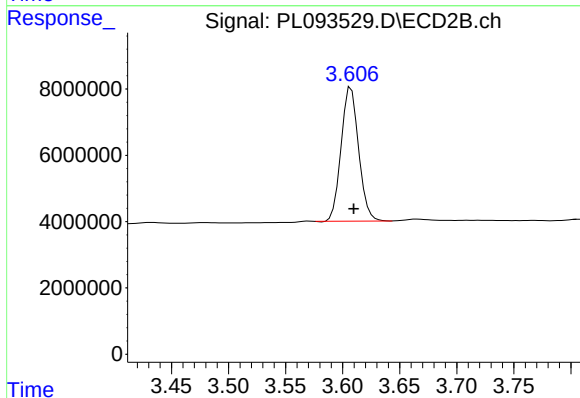
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: -0.002 min
Response: 39723505
Conc: 12.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

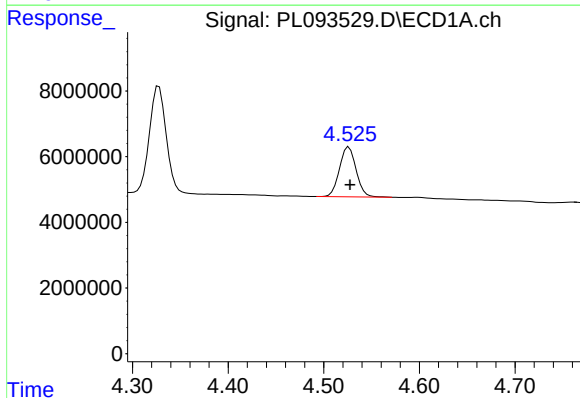
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



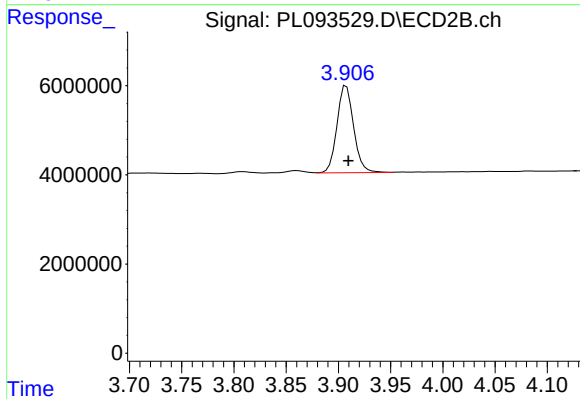
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: -0.002 min
Response: 43137874
Conc: 10.22 ng/ml



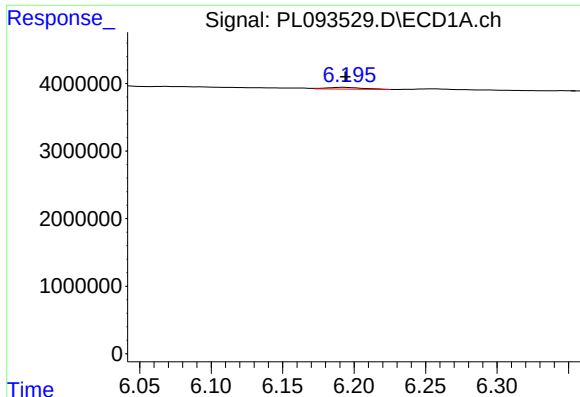
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: -0.001 min
Response: 18466591
Conc: 12.81 ng/ml



#6 beta-BHC

R.T.: 3.908 min
Delta R.T.: -0.002 min
Response: 21624937
Conc: 12.03 ng/ml



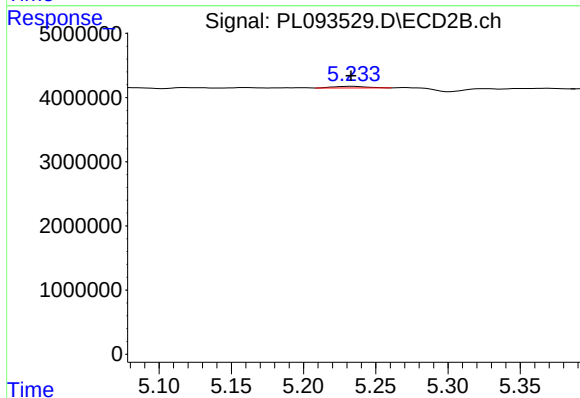
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 431095
Conc: 0.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

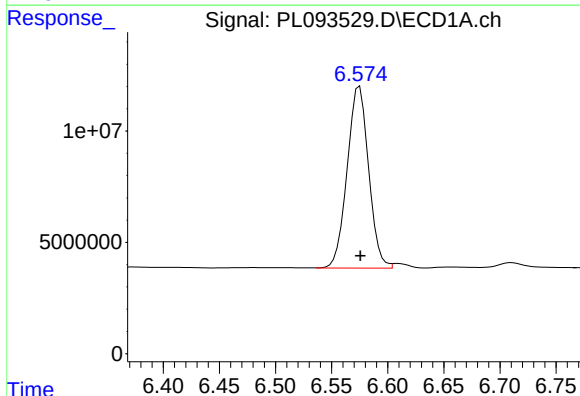
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



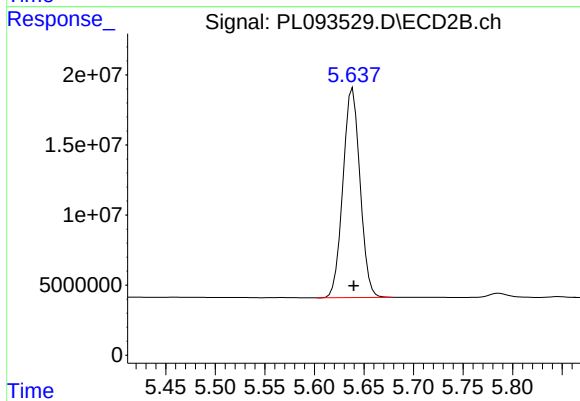
#12 4,4'-DDE

R.T.: 5.233 min
Delta R.T.: 0.000 min
Response: 439161
Conc: 0.12 ng/ml m



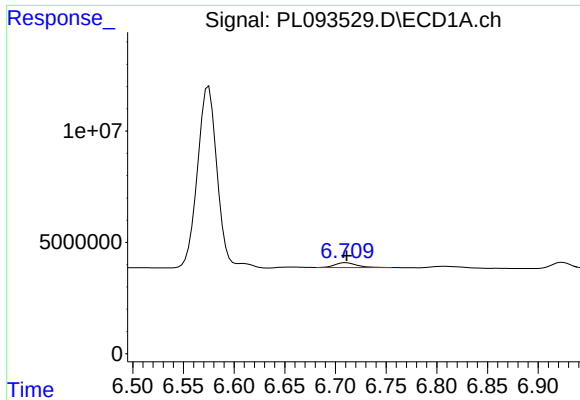
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.002 min
Response: 108382819
Conc: 50.35 ng/ml m



#14 Endrin

R.T.: 5.639 min
Delta R.T.: 0.000 min
Response: 179260867
Conc: 54.18 ng/ml



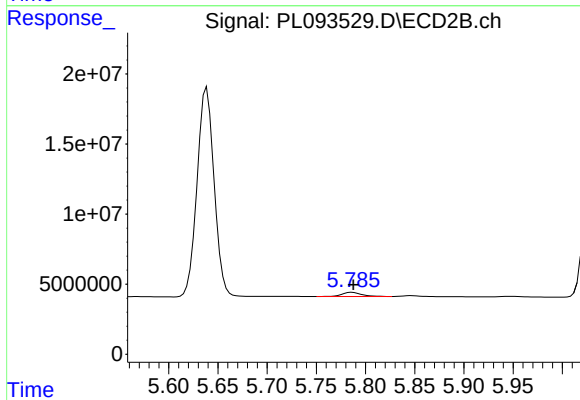
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: -0.002 min
Response: 3264337
Conc: 1.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

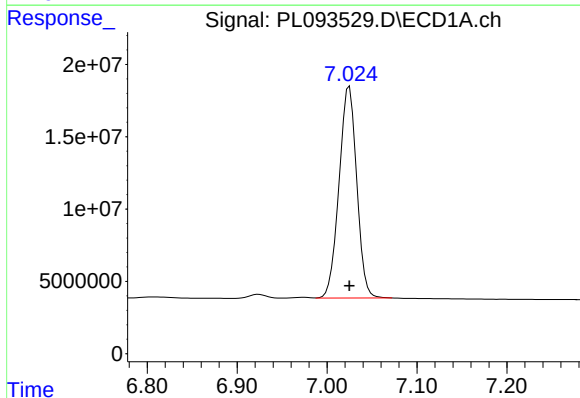
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



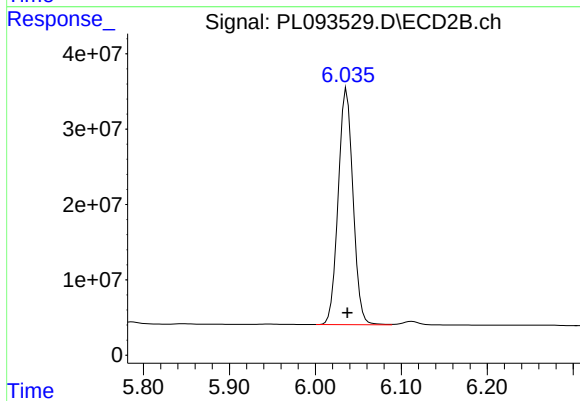
#16 4,4'-DDD

R.T.: 5.786 min
Delta R.T.: -0.001 min
Response: 4142599
Conc: 1.46 ng/ml



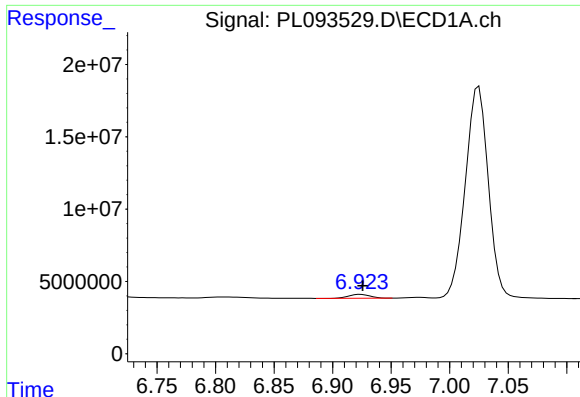
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.000 min
Response: 199671539
Conc: 108.02 ng/ml



#17 4,4'-DDT

R.T.: 6.036 min
Delta R.T.: 0.000 min
Response: 374097020
Conc: 123.86 ng/ml



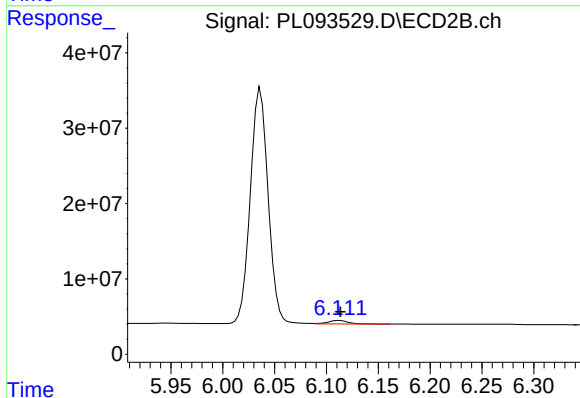
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: -0.002 min
Response: 3419745
Conc: 1.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

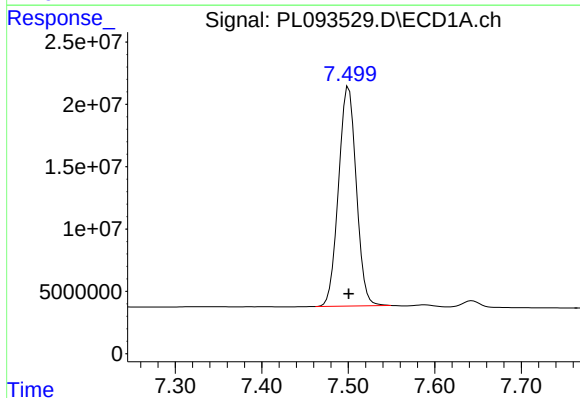
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



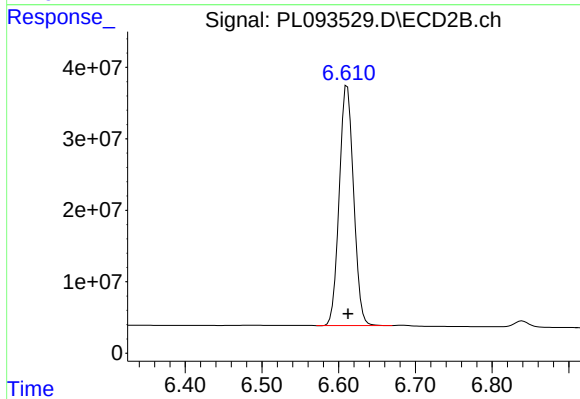
#18 Endrin aldehyde

R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 5989550
Conc: 2.22 ng/ml



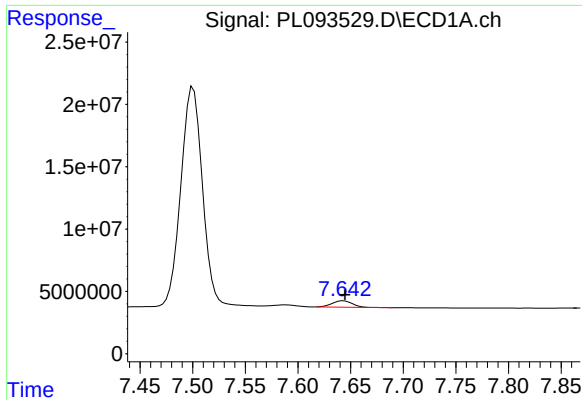
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 249666098
Conc: 249.75 ng/ml



#20 Methoxychlor

R.T.: 6.611 min
Delta R.T.: -0.001 min
Response: 437013067
Conc: 271.50 ng/ml



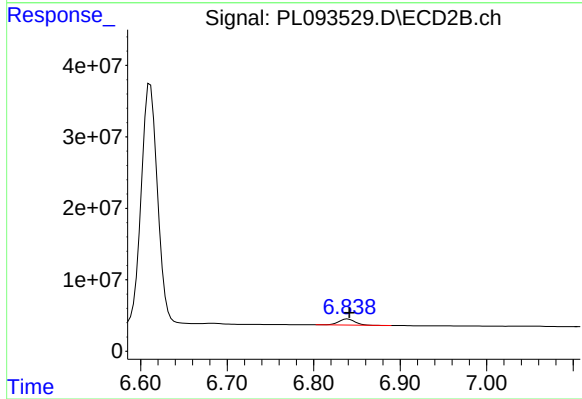
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: -0.002 min
Response: 6730429
Conc: 3.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

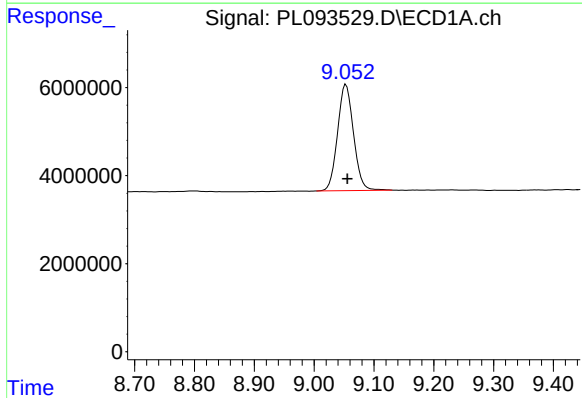
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



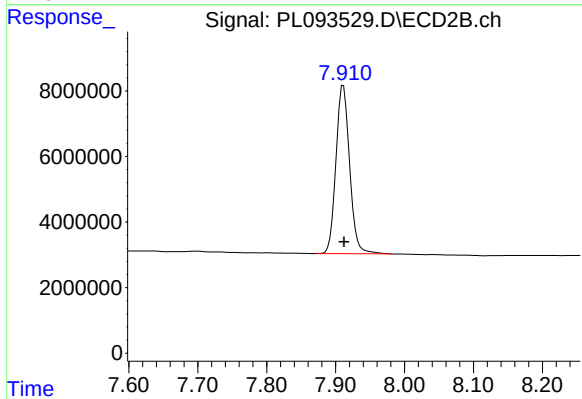
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: -0.002 min
Response: 10360464
Conc: 2.85 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.002 min
Response: 44752922
Conc: 24.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.911 min
Delta R.T.: -0.001 min
Response: 70751622
Conc: 23.70 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
Data File : PL093483.D
Acq On : 23 Dec 2024 13:01
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\PL122324.M
Title : GC Extractables
Last Update : Tue Dec 24 15:29:41 2024
Integrator: ChemStation

RT#1	RT#2	Resolution
3.541	5.941	100.00%
5.941	6.070	100.00%
6.070	6.193	100.00%
6.193	6.345	100.00%
6.345	7.159	100.00%
7.159	7.501	100.00%
7.501	7.644	100.00%
7.644	9.055	100.00%

Signal #2

2.777	4.980	100.00%
4.980	5.100	100.00%
5.100	5.233	100.00%
5.233	5.364	100.00%
5.364	6.336	100.00%
6.336	6.612	100.00%
6.612	6.841	100.00%
6.841	7.912	100.00%

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
 Data File : PL093483.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Dec 2024 13:01
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 RESCHK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 24 15:31:31 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 15:29:41 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.541	2.777	47247379	53431832	19.085	18.354
28)	SA Decachlor...	9.055	7.912	35466968	54421771	19.182	18.226
Target Compounds							
9)	A Endosulfan I	6.070	5.100	22885186	29031282	9.700	8.309
10)	B gamma-Chl...	5.941	4.980	25518132	35057362	10.154	9.099
12)	B 4,4'-DDE	6.193	5.233	43875407	67872004	19.554	18.457
13)	MA Dieldrin	6.345	5.364	47794483	68667975	19.155	17.818
19)	B Endosulfa...	7.159	6.336	39672898	57865387	19.649	18.344
20)	A Methoxychlor	7.501	6.612	82790933	142.0E6	82.818	88.221
21)	B Endrin ke...	7.644	6.841	41904726	65132993	18.675	17.892

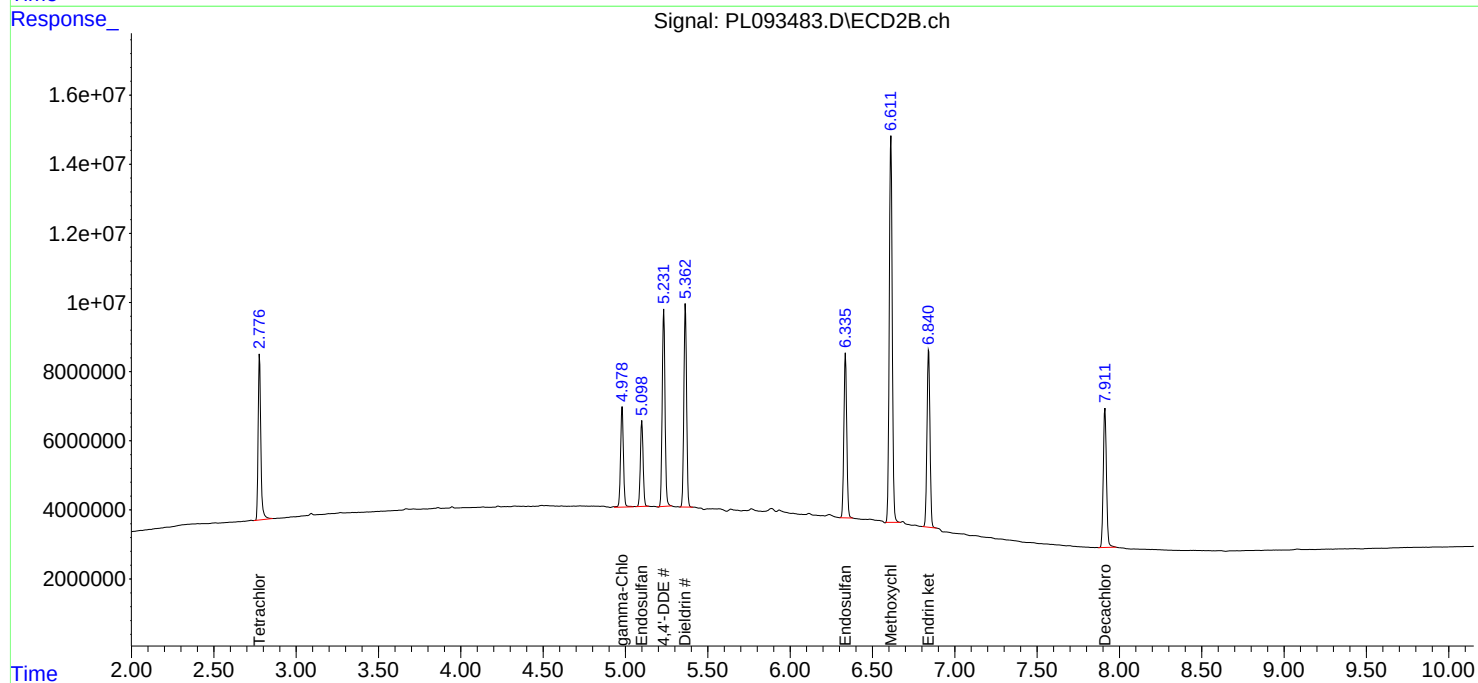
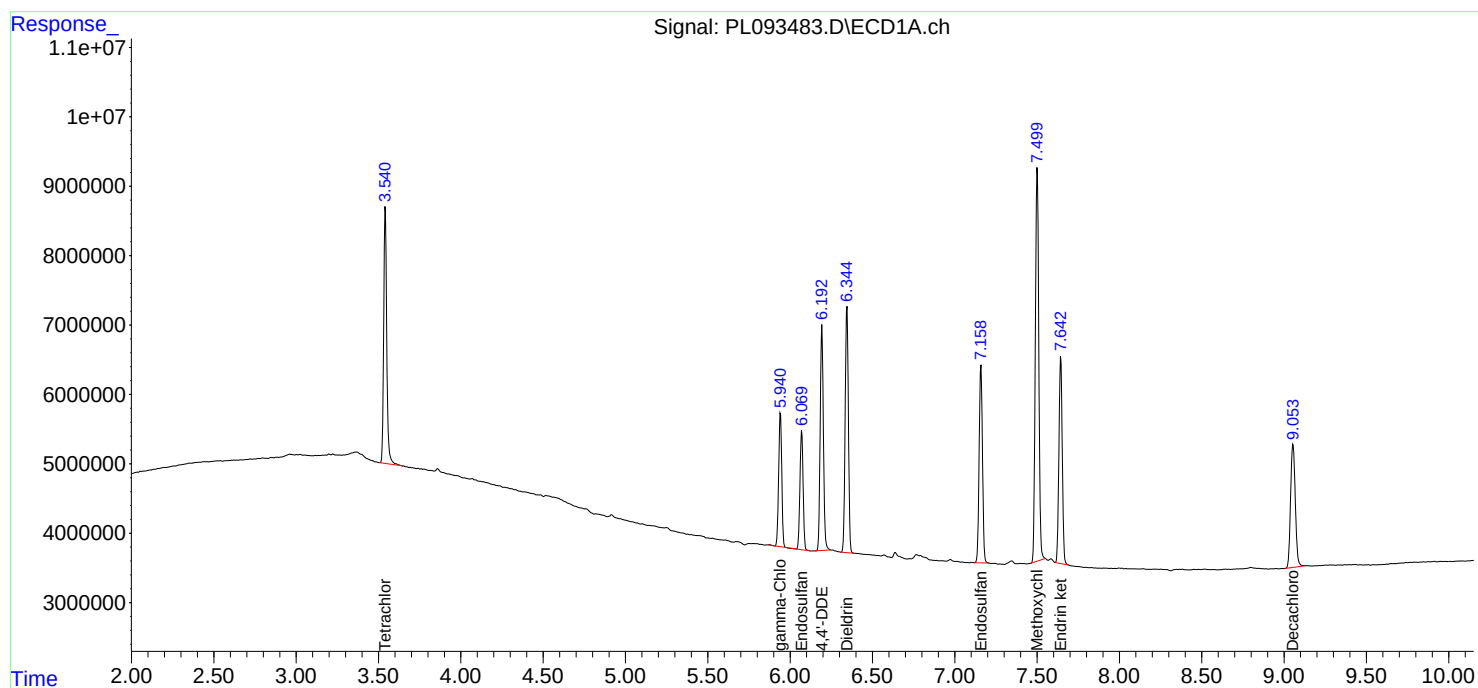
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

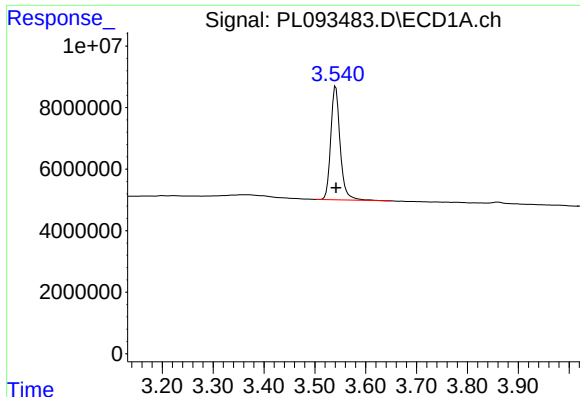
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
Data File : PL093483.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Dec 2024 13:01
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 24 15:31:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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

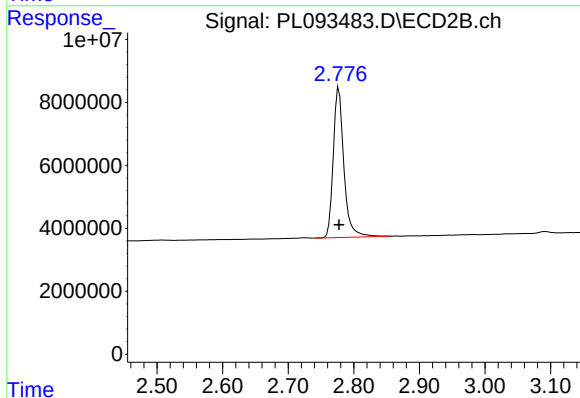




#1 Tetrachloro-m-xylene

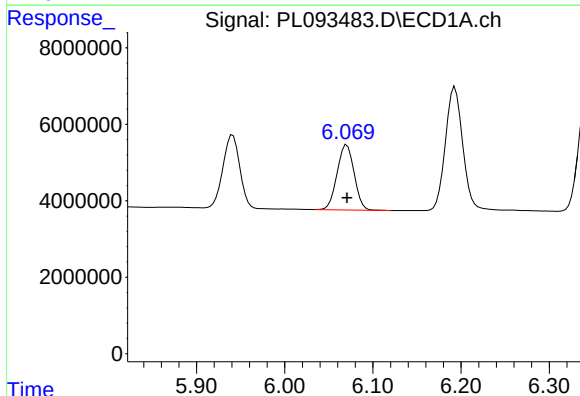
R.T.: 3.541 min
Delta R.T.: 0.000 min
Response: 47247379
Conc: 19.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



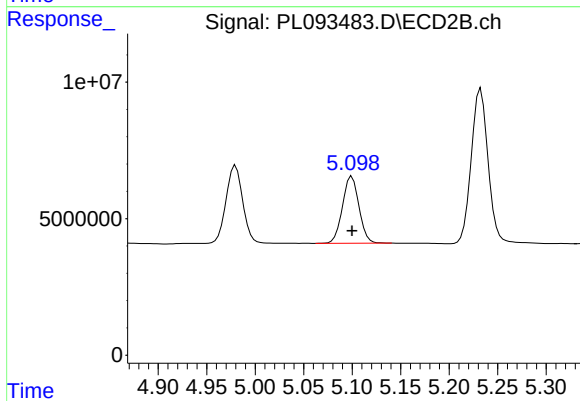
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 53431832
Conc: 18.35 ng/ml



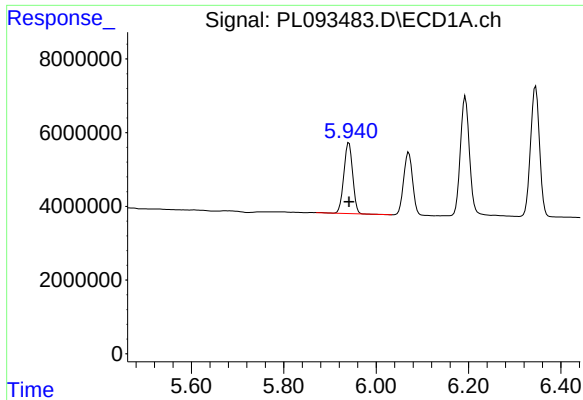
#9 Endosulfan I

R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 22885186
Conc: 9.70 ng/ml



#9 Endosulfan I

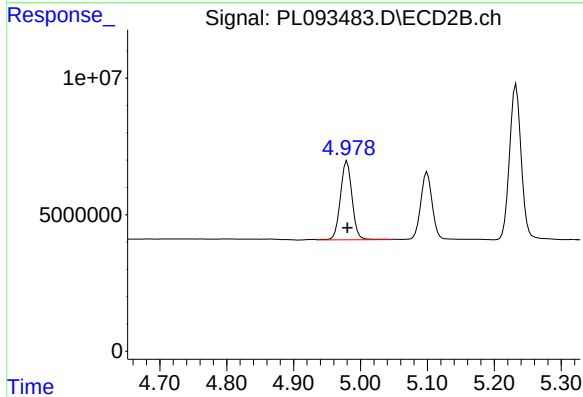
R.T.: 5.100 min
Delta R.T.: 0.000 min
Response: 29031282
Conc: 8.31 ng/ml



#10 gamma-Chlordane

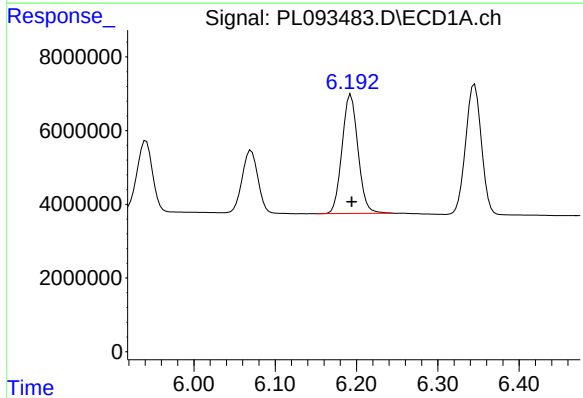
R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 25518132
Conc: 10.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



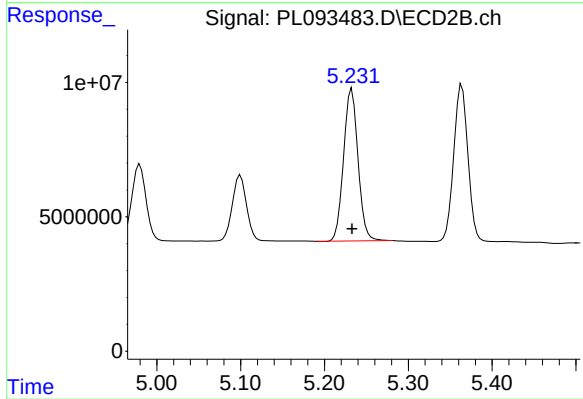
#10 gamma-Chlordane

R.T.: 4.980 min
Delta R.T.: 0.000 min
Response: 35057362
Conc: 9.10 ng/ml



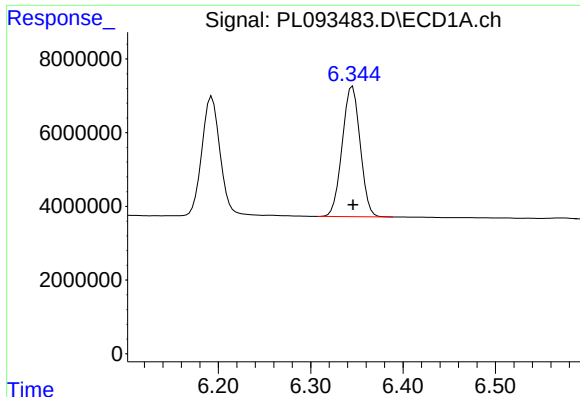
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 43875407
Conc: 19.55 ng/ml



#12 4,4'-DDE

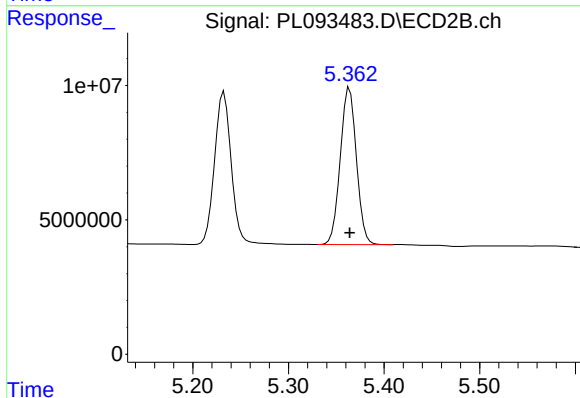
R.T.: 5.233 min
Delta R.T.: 0.000 min
Response: 67872004
Conc: 18.46 ng/ml



#13 Dieldrin

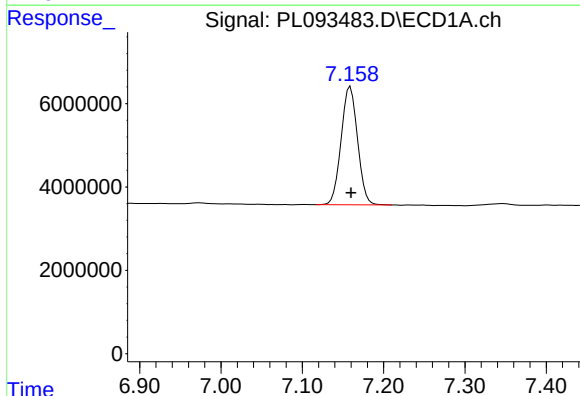
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 47794483
Conc: 19.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



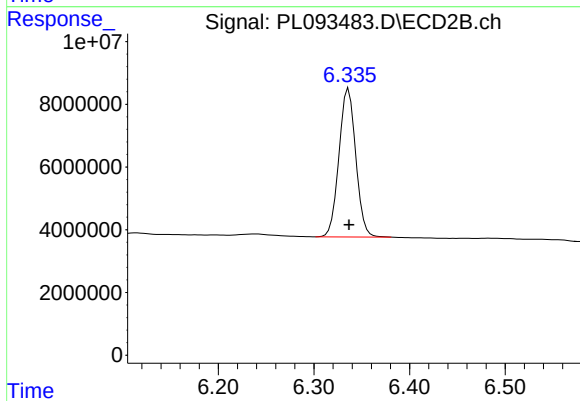
#13 Dieldrin

R.T.: 5.364 min
Delta R.T.: 0.000 min
Response: 68667975
Conc: 17.82 ng/ml



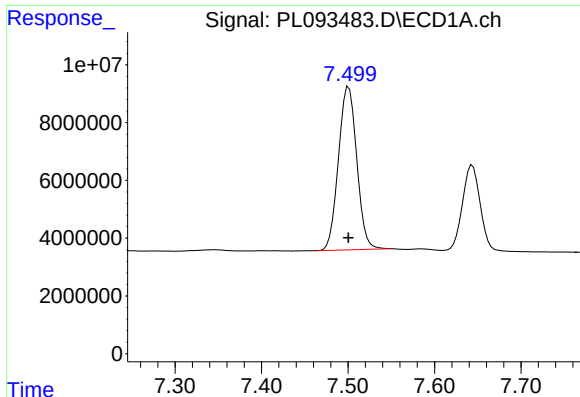
#19 Endosulfan Sulfate

R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 39672898
Conc: 19.65 ng/ml



#19 Endosulfan Sulfate

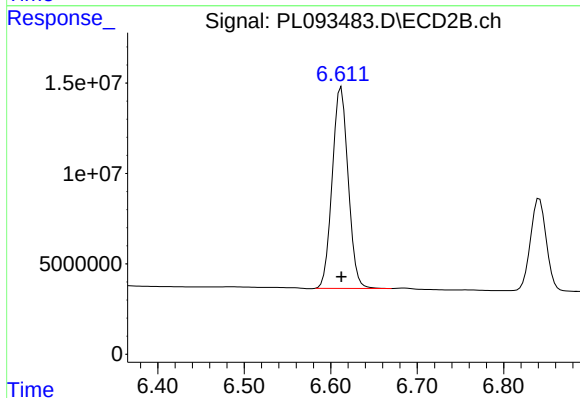
R.T.: 6.336 min
Delta R.T.: 0.000 min
Response: 57865387
Conc: 18.34 ng/ml



#20 Methoxychlor

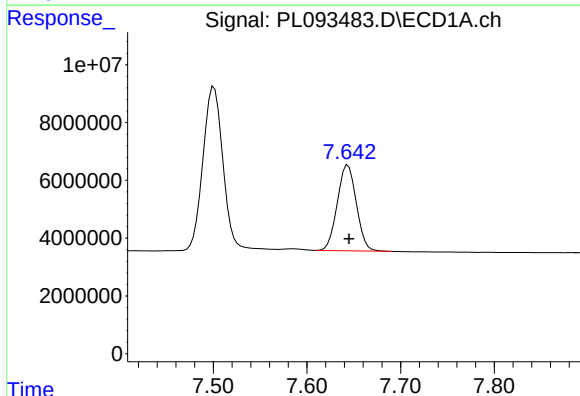
R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 82790933
Conc: 82.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



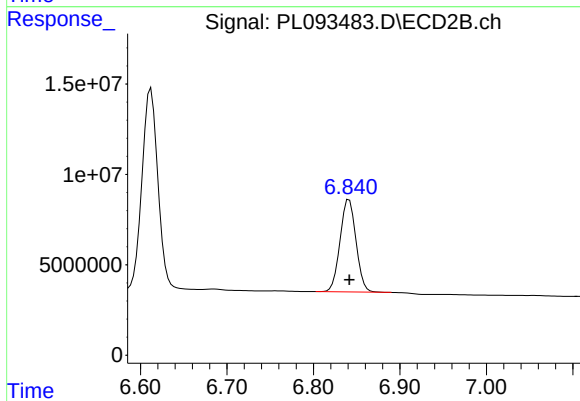
#20 Methoxychlor

R.T.: 6.612 min
Delta R.T.: 0.000 min
Response: 142004035
Conc: 88.22 ng/ml



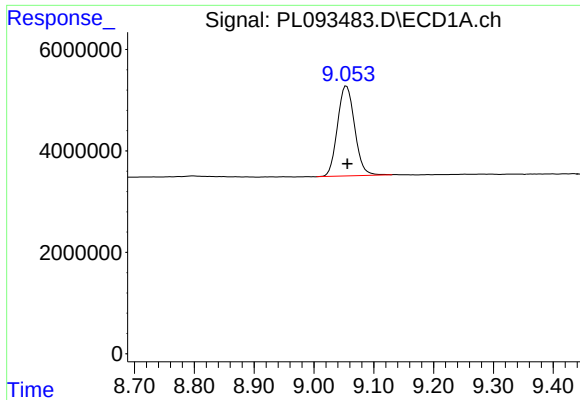
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 41904726
Conc: 18.68 ng/ml



#21 Endrin ketone

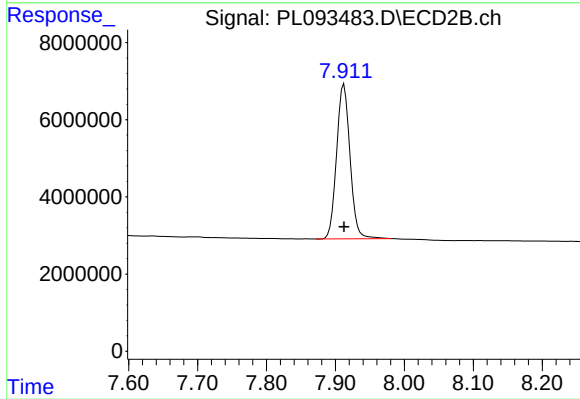
R.T.: 6.841 min
Delta R.T.: 0.000 min
Response: 65132993
Conc: 17.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: -0.001 min
Response: 35466968
Conc: 19.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 54421771
Conc: 18.23 ng/ml

Analytical Sequence

Client: Weston Solutions	SDG No.: P5380
Project: Ft Meade Tipton Airfield Parcel RI - PO 011	Instrument ID: ECD_L
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 12/23/2024 12/23/2024

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	12/23/2024	12:34	PL093481.D	9.06	3.54
PEM	PEM	12/23/2024	12:47	PL093482.D	9.05	3.54
RESCHK	RESCHK	12/23/2024	13:01	PL093483.D	9.06	3.54
PSTDICC100	PSTDICC100	12/23/2024	13:15	PL093484.D	9.06	3.54
PSTDICC075	PSTDICC075	12/23/2024	13:28	PL093485.D	9.06	3.54
PSTDICC050	PSTDICC050	12/23/2024	13:42	PL093486.D	9.06	3.54
PSTDICC025	PSTDICC025	12/23/2024	13:55	PL093487.D	9.05	3.54
PSTDICC005	PSTDICC005	12/23/2024	14:09	PL093488.D	9.05	3.54
PCHLORICC500	PCHLORICC500	12/23/2024	14:50	PL093491.D	9.06	3.54
PTOXICC500	PTOXICC500	12/23/2024	15:58	PL093496.D	9.06	3.54
PEM	PEM	12/27/2024	10:16	PL093529.D	9.05	3.54
IBLK	IBLK	12/27/2024	14:18	PL093540.D	9.05	3.54
PSTDCCC050	PSTDCCC050	12/27/2024	14:32	PL093541.D	9.05	3.54
PB165895BL	PB165895BL	12/27/2024	16:33	PL093546.D	9.05	3.54
PB165895BS	PB165895BS	12/27/2024	16:47	PL093547.D	9.05	3.54
PB165858TB	PB165858TB	12/27/2024	17:00	PL093548.D	9.05	3.54
WC-SOIL-20241219MS	P5362-02MS	12/27/2024	17:27	PL093550.D	9.05	3.54
WC-SOIL-20241219MSD	P5362-02MSD	12/27/2024	17:40	PL093551.D	9.06	3.54
TAPIAL3-IDW-SOIL-122024-T1	P5380-02	12/27/2024	17:54	PL093552.D	9.06	3.54
IBLK	IBLK	12/27/2024	18:08	PL093553.D	9.06	3.54
PSTDCCC050	PSTDCCC050	12/27/2024	18:21	PL093554.D	9.05	3.54

Analytical Sequence

Client: Weston Solutions	SDG No.: P5380
Project: Ft Meade Tipton Airfield Parcel RI - PO 0111	Instrument ID: ECD_L
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 12/23/2024 12/23/2024

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	12/23/2024	12:34	PL093481.D	7.91	2.78
PEM	PEM	12/23/2024	12:47	PL093482.D	7.91	2.78
RESCHK	RESCHK	12/23/2024	13:01	PL093483.D	7.91	2.78
PSTDICC100	PSTDICC100	12/23/2024	13:15	PL093484.D	7.91	2.78
PSTDICC075	PSTDICC075	12/23/2024	13:28	PL093485.D	7.91	2.78
PSTDICC050	PSTDICC050	12/23/2024	13:42	PL093486.D	7.91	2.78
PSTDICC025	PSTDICC025	12/23/2024	13:55	PL093487.D	7.91	2.78
PSTDICC005	PSTDICC005	12/23/2024	14:09	PL093488.D	7.91	2.78
PCHLORICC500	PCHLORICC500	12/23/2024	14:50	PL093491.D	7.91	2.78
PTOXICC500	PTOXICC500	12/23/2024	15:58	PL093496.D	7.91	2.78
PEM	PEM	12/27/2024	10:16	PL093529.D	7.91	2.77
IBLK	IBLK	12/27/2024	14:18	PL093540.D	7.91	2.77
PSTDCCC050	PSTDCCC050	12/27/2024	14:32	PL093541.D	7.91	2.77
PB165895BL	PB165895BL	12/27/2024	16:33	PL093546.D	7.91	2.77
PB165895BS	PB165895BS	12/27/2024	16:47	PL093547.D	7.91	2.78
PB165858TB	PB165858TB	12/27/2024	17:00	PL093548.D	7.91	2.78
WC-SOIL-20241219MS	P5362-02MS	12/27/2024	17:27	PL093550.D	7.91	2.78
WC-SOIL-20241219MSD	P5362-02MSD	12/27/2024	17:40	PL093551.D	7.91	2.78
TAPIAL3-IDW-SOIL-122024-T1	P5380-02	12/27/2024	17:54	PL093552.D	7.91	2.78
IBLK	IBLK	12/27/2024	18:08	PL093553.D	7.91	2.78
PSTDCCC050	PSTDCCC050	12/27/2024	18:21	PL093554.D	7.91	2.78

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB165895BS

Contract: WEST04

Lab Code: CHEM

Case No.: P5380

SAS No.: P5380

SDG NO.: P5380

Lab Sample ID: PB165895BS

Date(s) Analyzed: 12/27/2024

12/27/2024

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	7.50	7.45	7.55	0.44	1.8
	2	6.61	6.56	6.66	0.44	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.43	0.9
	2	3.61	3.56	3.66	0.43	
Heptachlor	1	4.92	4.87	4.97	0.44	1.4
	2	3.95	3.90	4.00	0.45	
Heptachlor epoxide	1	5.68	5.63	5.73	0.43	0.4
	2	4.73	4.68	4.78	0.43	
Endrin	1	6.57	6.52	6.62	0.40	8.4
	2	5.64	5.59	5.69	0.44	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-SOIL-20241219MS

Contract: WEST04

Lab Code: CHEM

Case No.: P5380

SAS No.: P5380

SDG NO.: P5380

Lab Sample ID: P5362-02MS

Date(s) Analyzed: 12/27/2024

12/27/2024

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	7.50	7.45	7.55	4.90	2
	2	6.61	6.56	6.66	5.00	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	4.80	2.1
	2	3.61	3.56	3.66	4.90	
Heptachlor	1	4.92	4.87	4.97	4.90	2
	2	3.95	3.90	4.00	5.00	
Heptachlor epoxide	1	5.68	5.63	5.73	4.80	2.1
	2	4.73	4.68	4.78	4.90	
Endrin	1	6.57	6.52	6.62	4.50	10.5
	2	5.64	5.59	5.69	5.00	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-SOIL-20241219MSD

Contract: WEST04

Lab Code: CHEM Case No.: P5380

SAS No.: P5380 SDG NO.: P5380

Lab Sample ID: P5362-02MSD

Date(s) Analyzed: 12/27/2024 12/27/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
gamma-BHC (Lindane)	1	4.33	4.28	4.38	4.70	2.1
	2	3.61	3.56	3.66	4.80	
Heptachlor	1	4.92	4.87	4.97	4.80	2.1
	2	3.95	3.90	4.00	4.90	
Heptachlor epoxide	1	5.69	5.64	5.74	4.70	2.1
	2	4.73	4.68	4.78	4.80	
Endrin	1	6.57	6.52	6.62	4.50	8.5
	2	5.64	5.59	5.69	4.90	
Methoxychlor	1	7.50	7.45	7.55	4.80	2.1
	2	6.61	6.56	6.66	4.90	



QC SAMPLE DATA

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	PB165895BL	SDG No.:	P5380
Lab Sample ID:	PB165895BL	Matrix:	TCLP
Analytical Method:	SW8081	% 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
PL093546.D	1	12/27/24 11:00	12/27/24 16:33	PB165895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	0.025	U	0.0049	0.025	0.050	ug/L
76-44-8	Heptachlor	0.025	U	0.0054	0.025	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0090	0.025	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0043	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.15	0.50	1.00	ug/L
57-74-9	Chlordane	0.25	U	0.082	0.25	0.50	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.0		30 - 135		110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.2		44 - 124		96%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
Data File : PL093546.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Dec 2024 16:33
Operator : AR\AJ
Sample : PB165895BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB165895BL

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 28 00:59:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.774	47558557	54679617	19.210m	18.783
2)	SA Decachlor...	9.053	7.911	40689175	62794962	22.006	21.030

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
Data File : PL093546.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Dec 2024 16:33
Operator : AR\AJ
Sample : PB165895BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

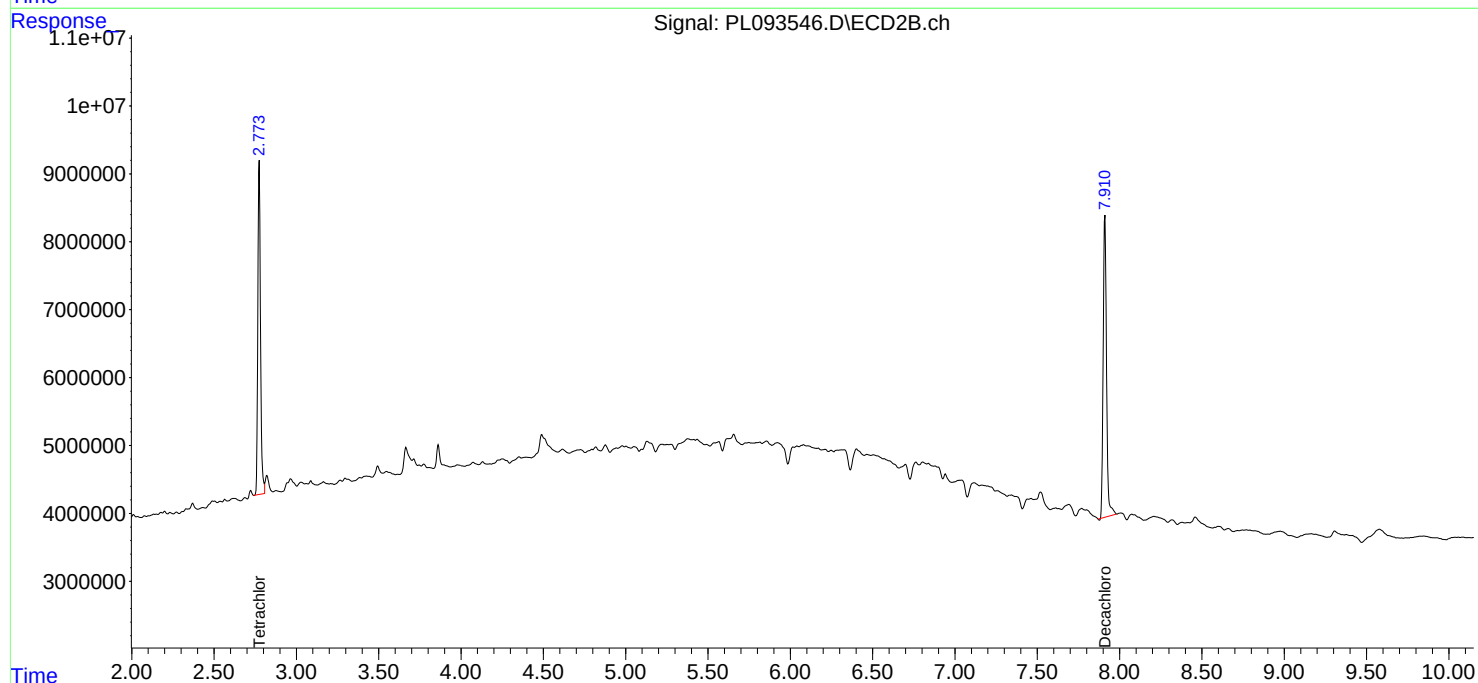
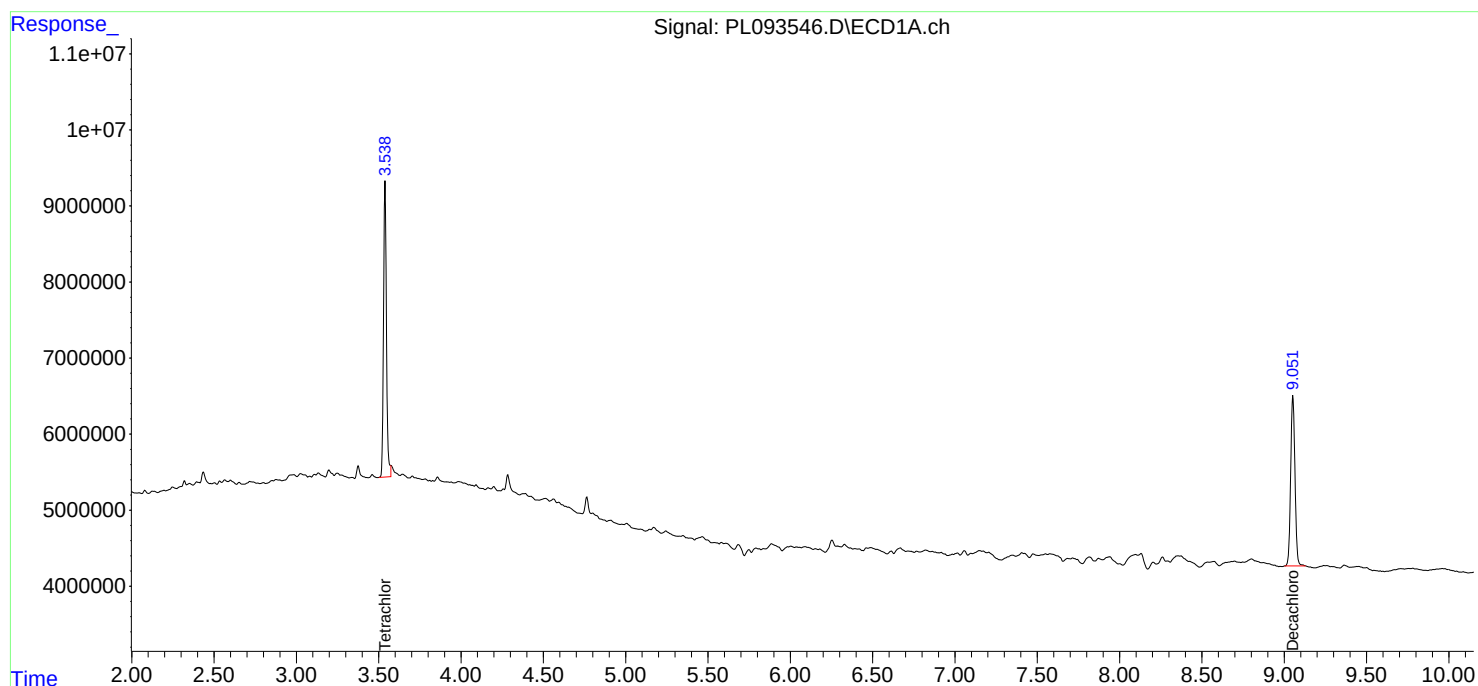
Instrument :
ECD_L
ClientSampleId :
PB165895BL

Manual Integrations
APPROVED

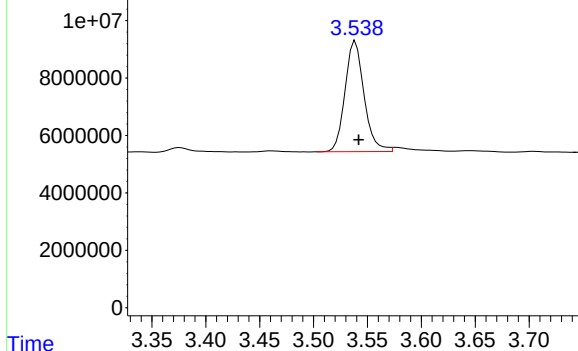
Reviewed By : Abdul Mirza 12/30/2024
Supervised By : Ankita Jodhani 12/30/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 28 00:59:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PL093546.D\ECD1A.ch



#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: -0.004 min
Response: 47558557
Conc: 19.21 ng/ml

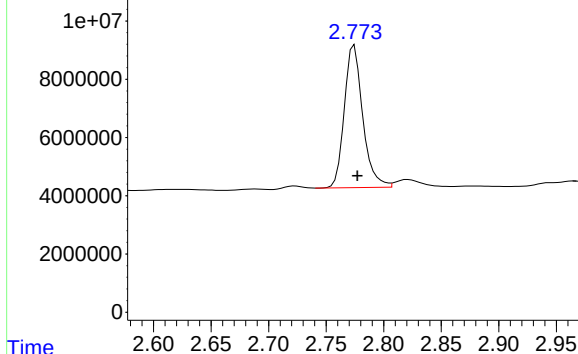
Instrument :
ECD_L
ClientSampleId :
PB165895BL

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024

Time 3.35 3.40 3.45 3.50 3.55 3.60 3.65 3.70

Response_ Signal: PL093546.D\ECD2B.ch

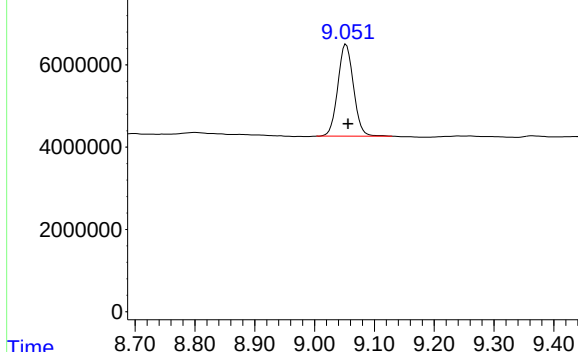


#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: -0.003 min
Response: 54679617
Conc: 18.78 ng/ml

Time 2.60 2.65 2.70 2.75 2.80 2.85 2.90 2.95

Response_ Signal: PL093546.D\ECD1A.ch

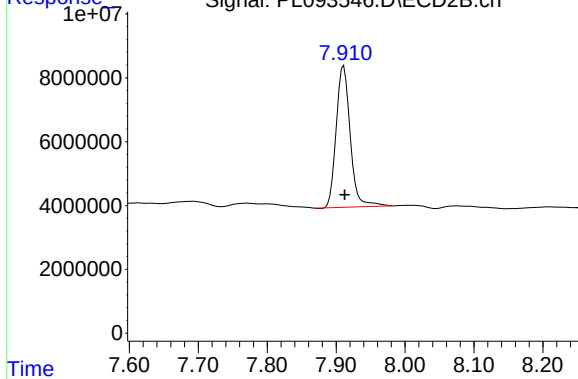


#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.003 min
Response: 40689175
Conc: 22.01 ng/ml

Time 8.70 8.80 8.90 9.00 9.10 9.20 9.30 9.40

Response_ Signal: PL093546.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 7.911 min
Delta R.T.: -0.001 min
Response: 62794962
Conc: 21.03 ng/ml

Time 7.60 7.70 7.80 7.90 8.00 8.10 8.20

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/23/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/23/24
Client Sample ID:	PIBLK-PL093481.D	SDG No.:	P5380
Lab Sample ID:	I.BLK-PL093481.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093481.D	1		12/23/24	PL122324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	0.025	U	0.0049	0.025	0.050	ug/L
76-44-8	Heptachlor	0.025	U	0.0054	0.025	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0090	0.025	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0043	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.15	0.50	1.00	ug/L
57-74-9	Chlordane	0.25	U	0.082	0.25	0.50	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.0		30 - 135		110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		44 - 124		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\PL122324\
Data File : PL093481.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Dec 2024 12:34
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: Dec 24 15:31:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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...	3.542	2.778	50651566	57994359	20.460	19.921
28)	SA Decachlor...	9.055	7.912	40627812	63745441	21.973	21.349

Target Compounds

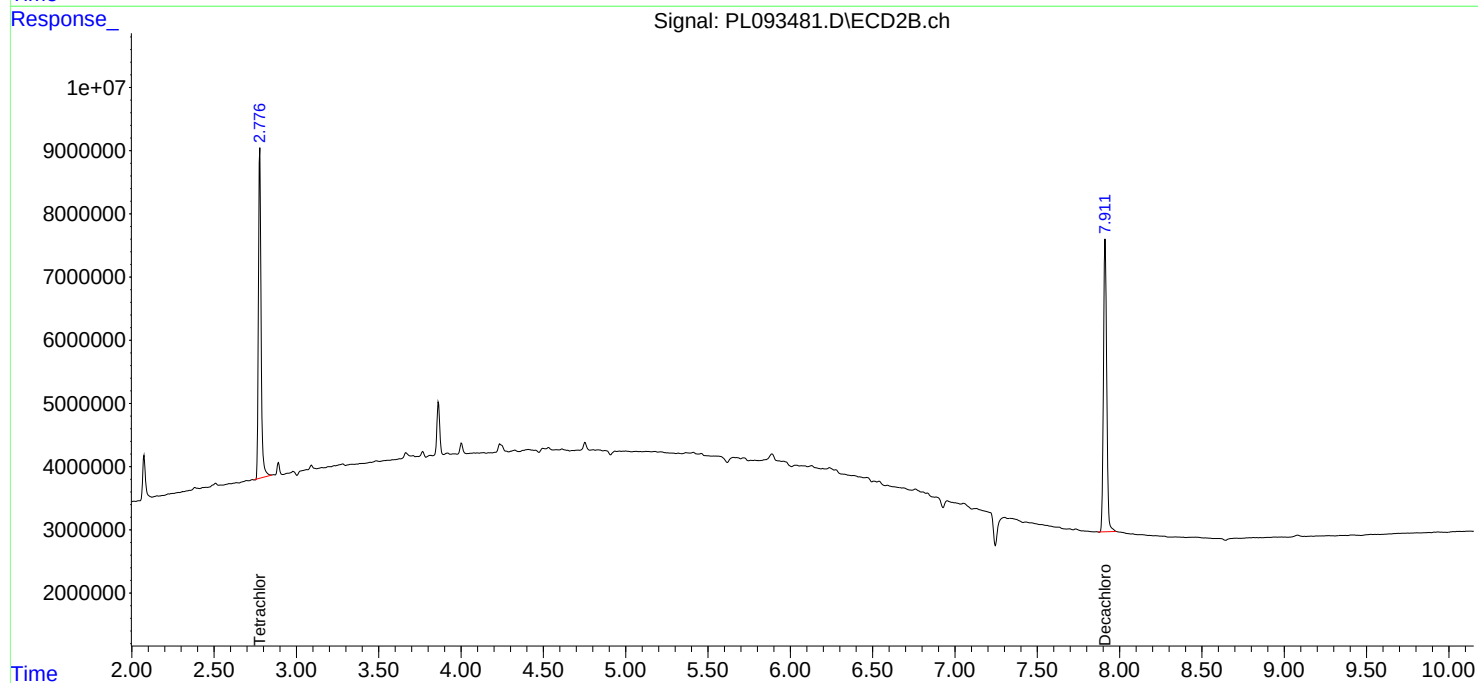
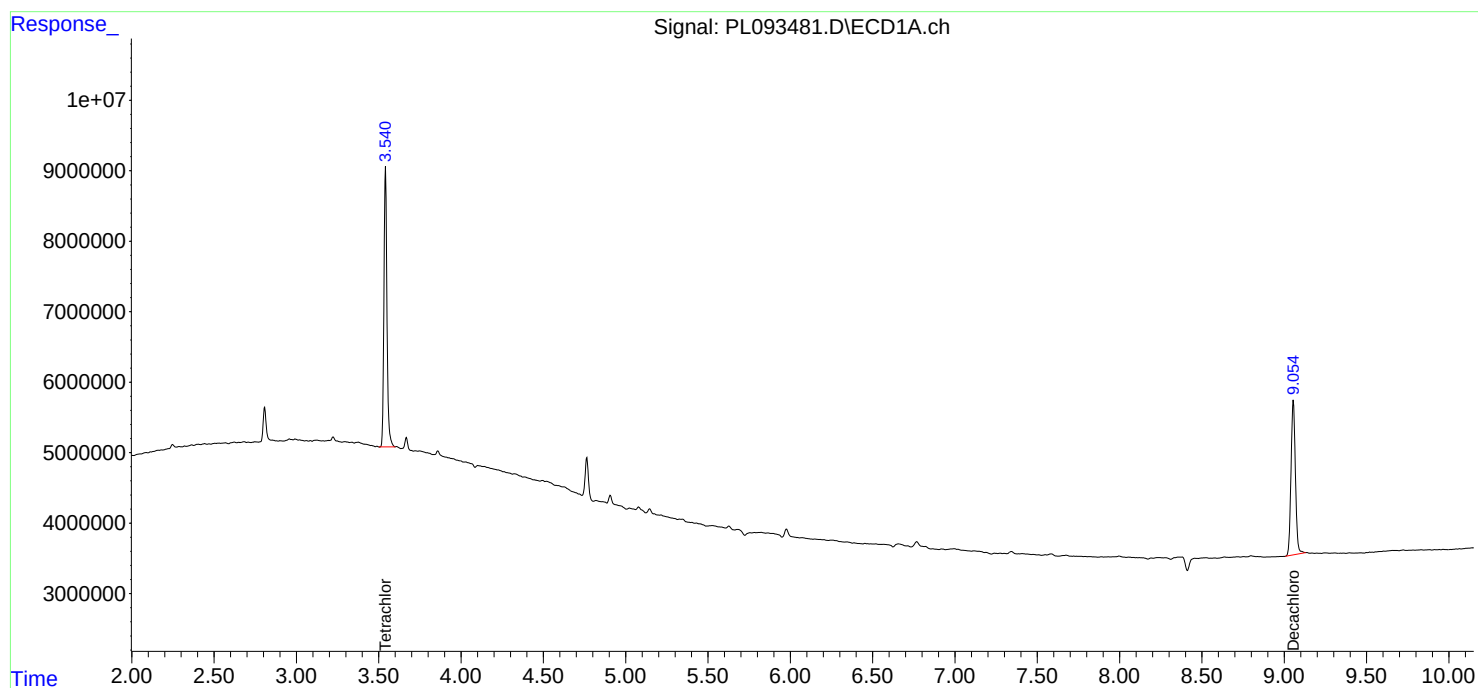
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

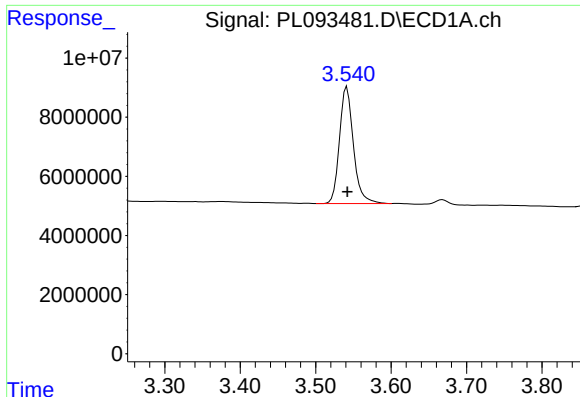
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
Data File : PL093481.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Dec 2024 12:34
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 24 15:31:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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

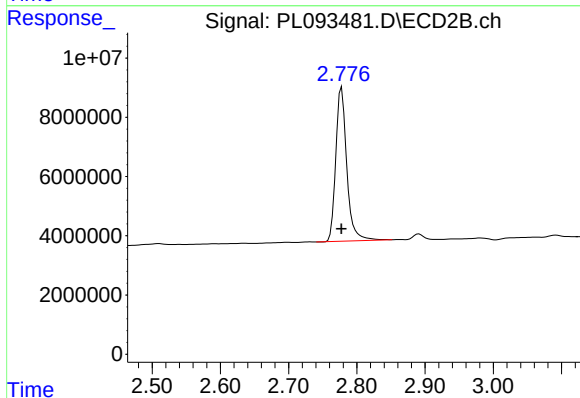




#1 Tetrachloro-m-xylene

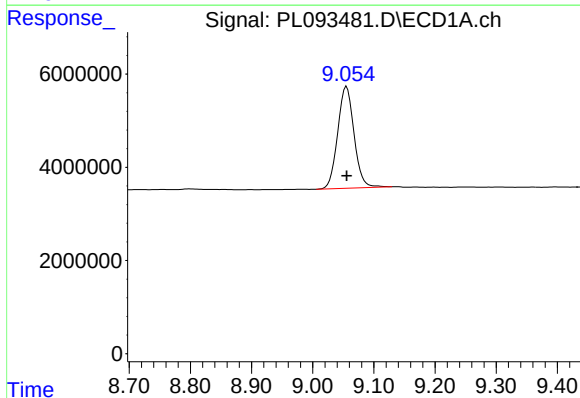
R.T.: 3.542 min
Delta R.T.: 0.000 min
Response: 50651566
Conc: 20.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



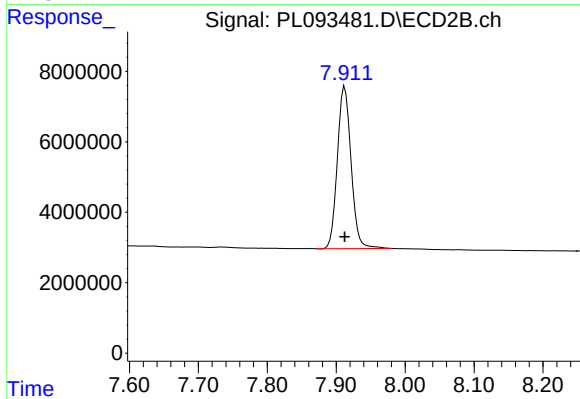
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 57994359
Conc: 19.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.000 min
Response: 40627812
Conc: 21.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 63745441
Conc: 21.35 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/27/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/27/24
Client Sample ID:	PIBLK-PL093540.D	SDG No.:	P5380
Lab Sample ID:	I.BLK-PL093540.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093540.D	1		12/27/24	pl122724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	0.025	U	0.0049	0.025	0.050	ug/L
76-44-8	Heptachlor	0.025	U	0.0054	0.025	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0090	0.025	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0043	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.15	0.50	1.00	ug/L
57-74-9	Chlordane	0.25	U	0.082	0.25	0.50	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.2		30 - 135		121%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.3		44 - 124		116%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
Data File : PL093540.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Dec 2024 14:18
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: Dec 28 00:57:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.774	57608007	65009138	23.269	22.331
28)	SA Decachlor...	9.052	7.911	44725538	68953761	24.189	23.093

Target Compounds

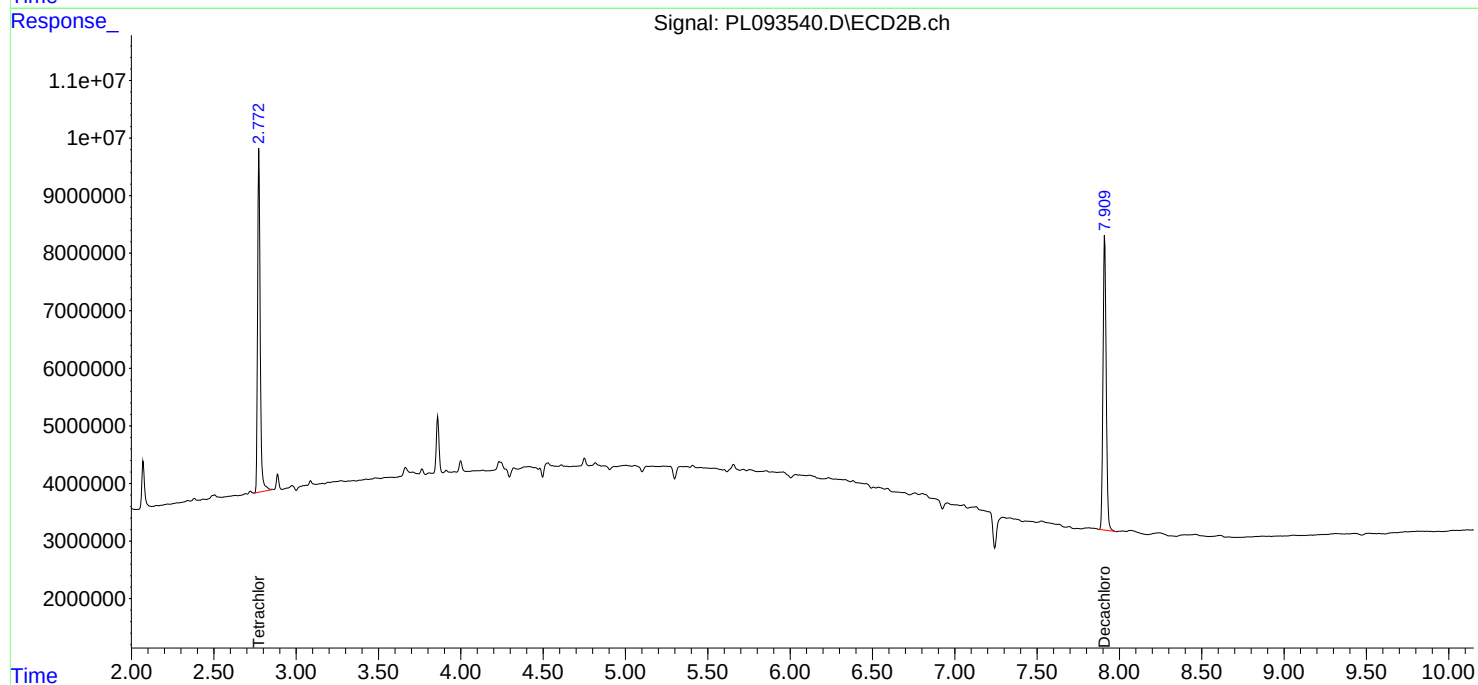
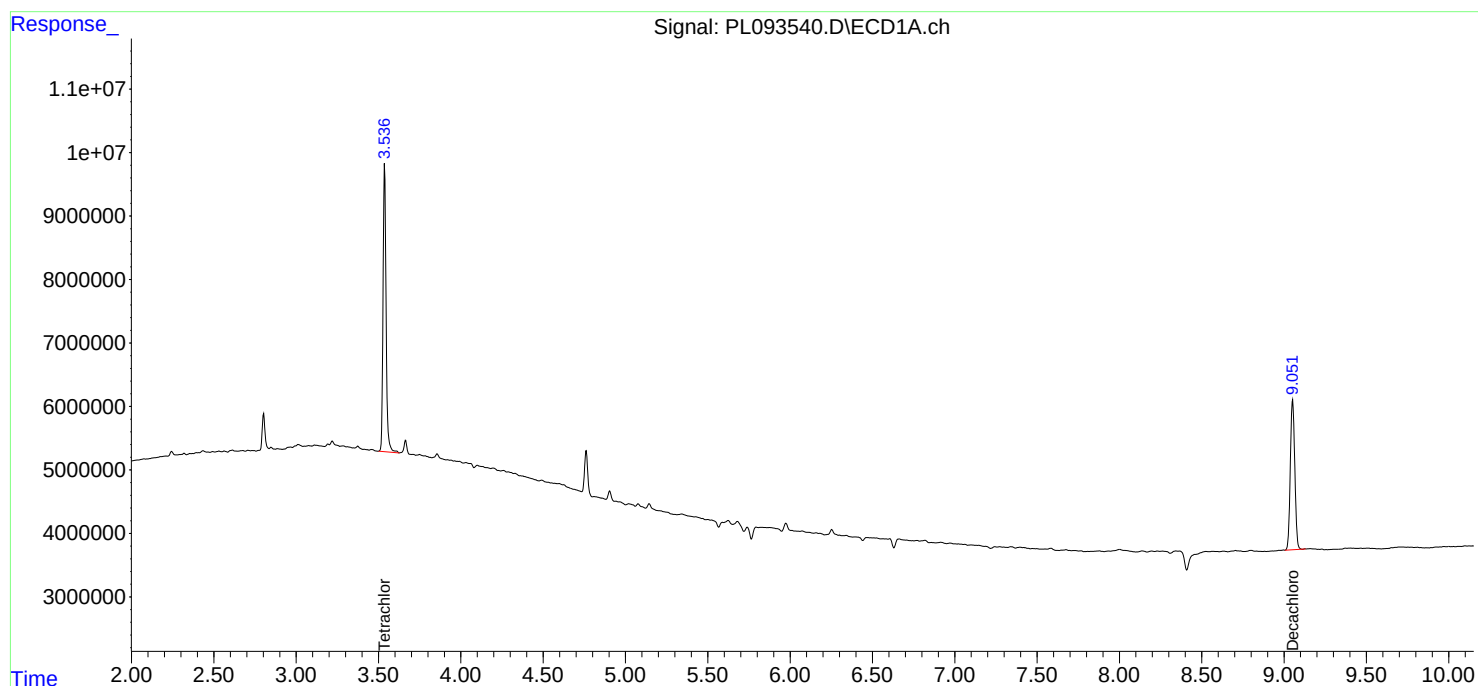
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

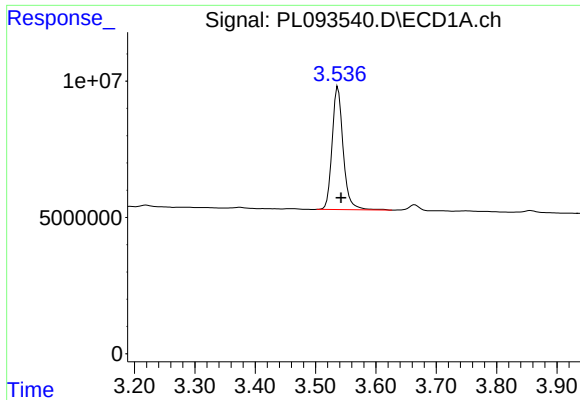
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
Data File : PL093540.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Dec 2024 14:18
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 28 00:57:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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

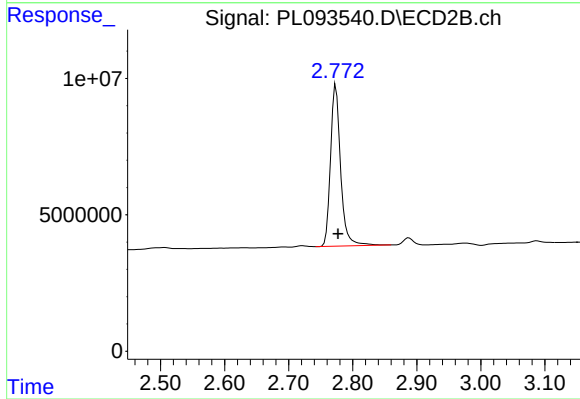




#1 Tetrachloro-m-xylene

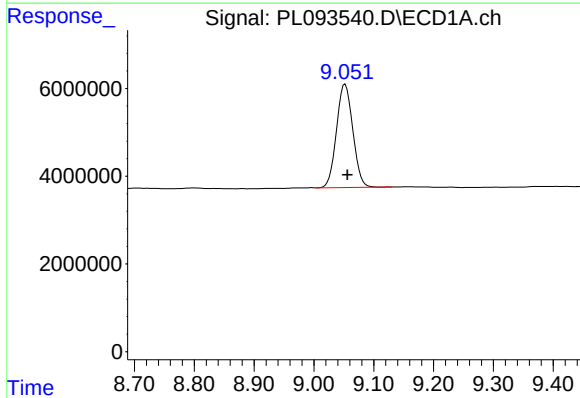
R.T.: 3.537 min
Delta R.T.: -0.005 min
Response: 57608007
Conc: 23.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



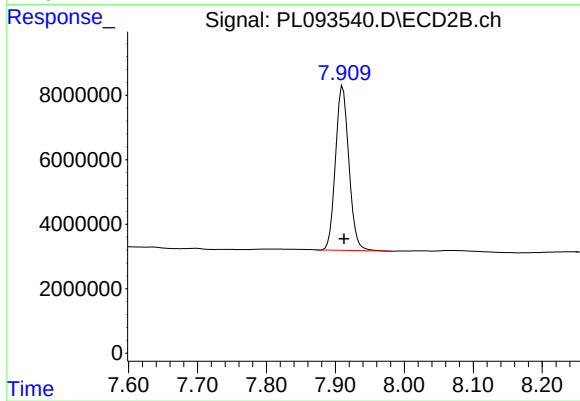
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: -0.004 min
Response: 65009138
Conc: 22.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.003 min
Response: 44725538
Conc: 24.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.911 min
Delta R.T.: -0.002 min
Response: 68953761
Conc: 23.09 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/27/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/27/24
Client Sample ID:	PIBLK-PL093553.D	SDG No.:	P5380
Lab Sample ID:	I.BLK-PL093553.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093553.D	1		12/27/24	pl122724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	0.025	U	0.0049	0.025	0.050	ug/L
76-44-8	Heptachlor	0.025	U	0.0054	0.025	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0090	0.025	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0043	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.15	0.50	1.00	ug/L
57-74-9	Chlordane	0.25	U	0.082	0.25	0.50	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.1		30 - 135		120%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.4		44 - 124		112%	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\PL122724\
Data File : PL093553.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Dec 2024 18:08
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 28 01:02:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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...	3.539	2.776	55367349	62908641	22.364	21.609
28)	SA Decachlor...	9.055	7.912	43820459	71900959	23.699	24.080

Target Compounds

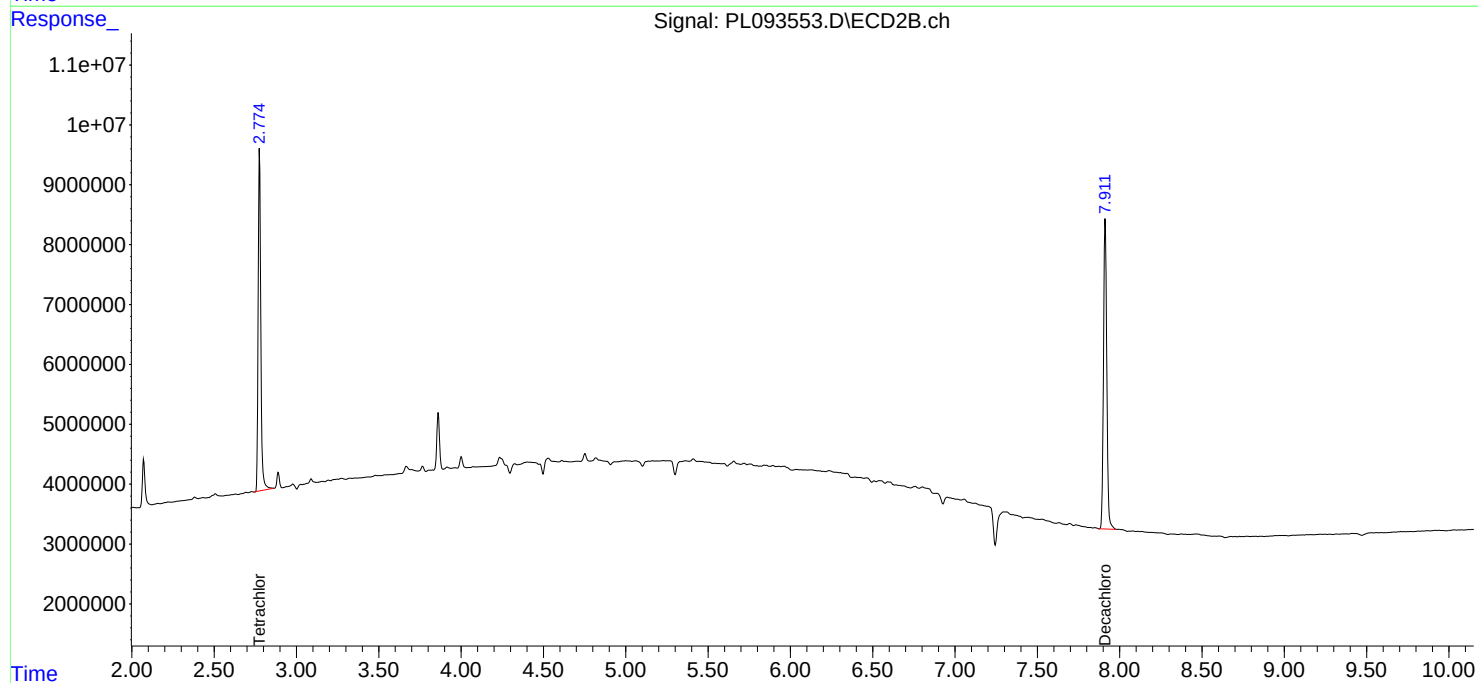
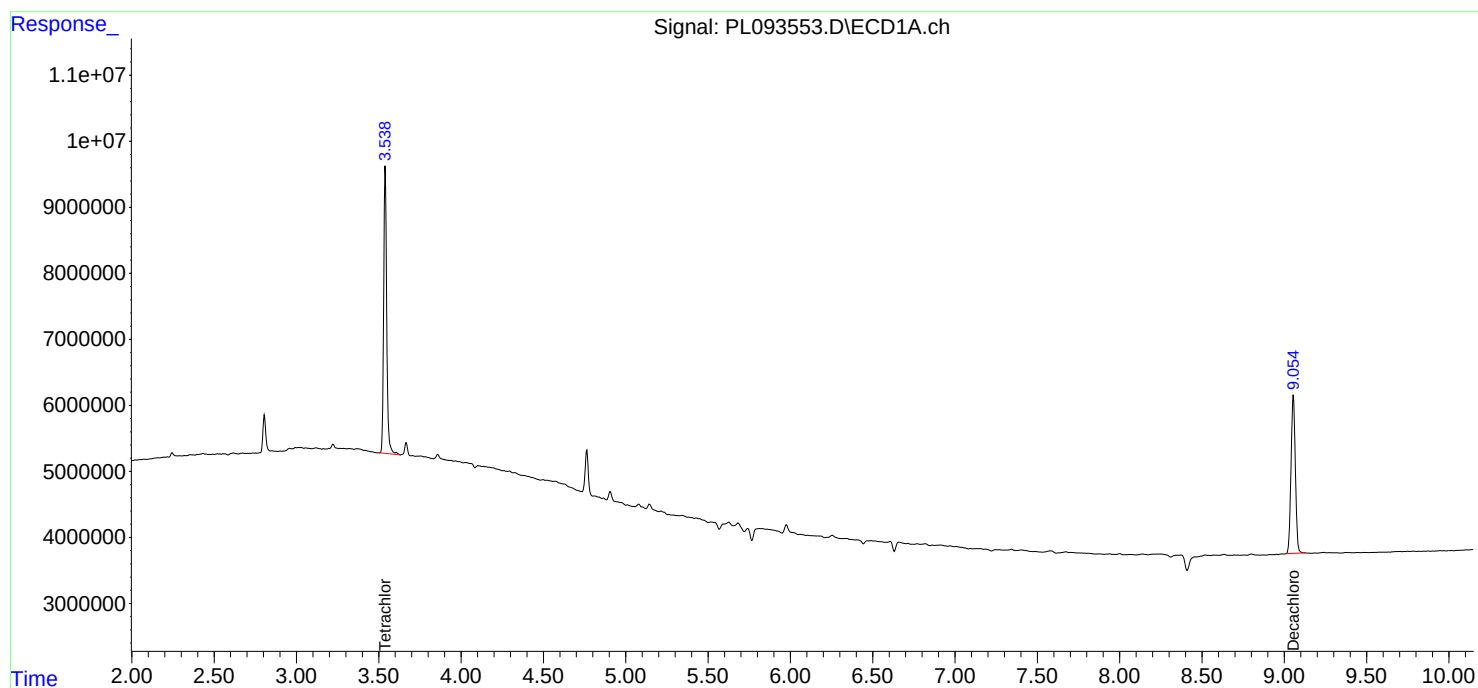
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

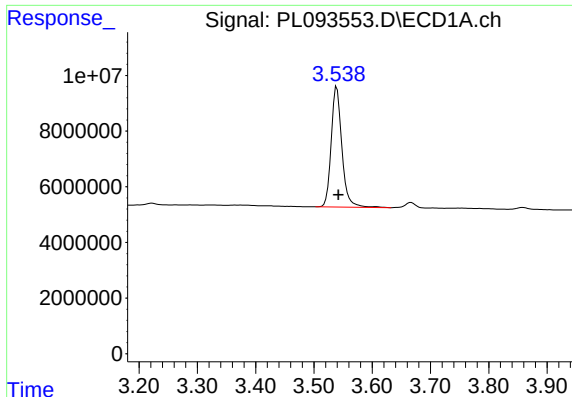
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
Data File : PL093553.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Dec 2024 18:08
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 28 01:02:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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

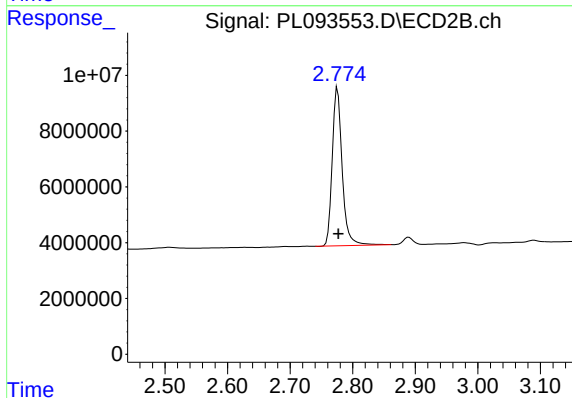




#1 Tetrachloro-m-xylene

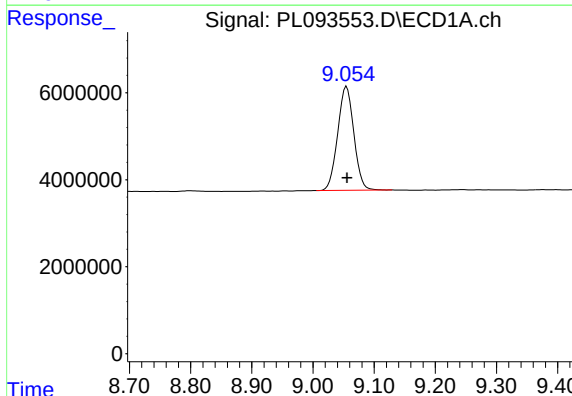
R.T.: 3.539 min
Delta R.T.: -0.003 min
Response: 55367349
Conc: 22.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



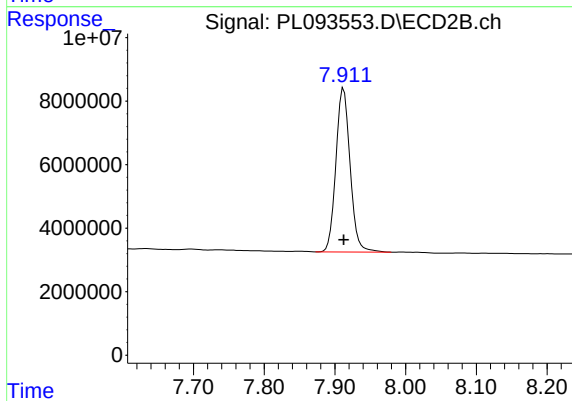
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.001 min
Response: 62908641
Conc: 21.61 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.000 min
Response: 43820459
Conc: 23.70 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 71900959
Conc: 24.08 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	PB165895BS	SDG No.:	P5380
Lab Sample ID:	PB165895BS	Matrix:	TCLP
Analytical Method:	SW8081	% 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
PL093547.D	1	12/27/24 11:00	12/27/24 16:47	PB165895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	0.43		0.0049	0.025	0.050	ug/L
76-44-8	Heptachlor	0.45		0.0054	0.025	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.43		0.0090	0.025	0.050	ug/L
72-20-8	Endrin	0.44		0.0043	0.010	0.050	ug/L
72-43-5	Methoxychlor	0.44		0.011	0.025	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.15	0.50	1.00	ug/L
57-74-9	Chlordane	0.25	U	0.082	0.25	0.50	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	19.9		30 - 135		100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.0		44 - 124		90%	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\PL122724\
 Data File : PL093547.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Dec 2024 16:47
 Operator : AR\AJ
 Sample : PB165895BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB165895BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 12/30/2024
 Supervised By : Ankita Jodhani 12/30/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 28 00:59:38 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 15:29:41 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.539	2.775	44568540	49861524	18.002	17.127
28)	SA Decachlor...	9.054	7.912	36539783	59422474	19.762	19.901
Target Compounds							
2)	A alpha-BHC	3.995	3.278	150.4E6	190.9E6	43.556	43.919
3)	MA gamma-BHC...	4.328	3.608	140.0E6	181.7E6	42.694	43.062
4)	MA Heptachlor	4.916	3.946	129.2E6	186.1E6	44.131	44.770
5)	MB Aldrin	5.258	4.226	123.7E6	176.0E6	42.520	42.900
6)	B beta-BHC	4.526	3.908	63733636	81661271	44.211	45.431
7)	B delta-BHC	4.773	4.136	138.7E6	182.5E6	45.303	43.165
8)	B Heptachlo...	5.684	4.728	114.1E6	166.5E6	43.321	43.488
9)	A Endosulfan I	6.070	5.098	103.8E6	151.8E6	43.982	43.437
10)	B gamma-Chl...	5.940	4.977	109.7E6	174.4E6	43.637	45.271m
11)	B alpha-Chl...	6.019	5.042	112.0E6	171.2E6	44.741	44.960
12)	B 4,4'-DDE	6.192	5.231	100.4E6	169.9E6	44.745	46.209
13)	MA Dieldrin	6.344	5.363	109.9E6	172.6E6	44.052	44.784
14)	MA Endrin	6.573	5.638	86730230	145.0E6	40.294m	43.826
15)	B Endosulfa...	6.794	5.934	98165664	153.3E6	43.183	47.188
16)	A 4,4'-DDD	6.710	5.786	85126968	137.4E6	48.479	48.562
17)	MA 4,4'-DDT	7.023	6.036	84026546	134.8E6	45.456	44.631
18)	B Endrin al...	6.924	6.112	79442821	121.0E6	44.768	44.927
19)	B Endosulfa...	7.158	6.335	91605377	146.9E6	45.371	46.570
20)	A Methoxychlor	7.499	6.611	44413299	70237256	44.428	43.635
21)	B Endrin ke...	7.643	6.841	104.5E6	170.3E6	46.586	46.788
22)	Mirex	8.116	7.021	78866509	124.2E6	42.204	40.648

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
Data File : PL093547.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Dec 2024 16:47
Operator : AR\AJ
Sample : PB165895BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB165895BS

Manual Integrations

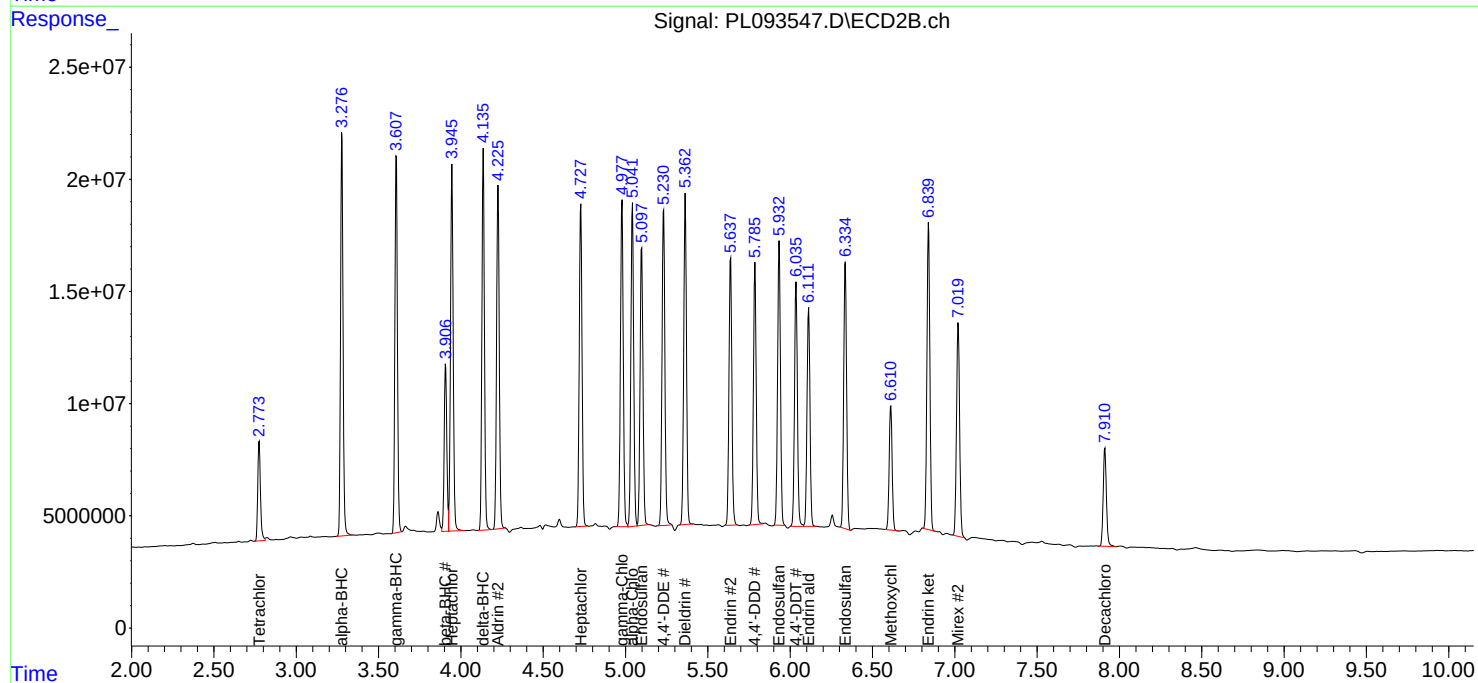
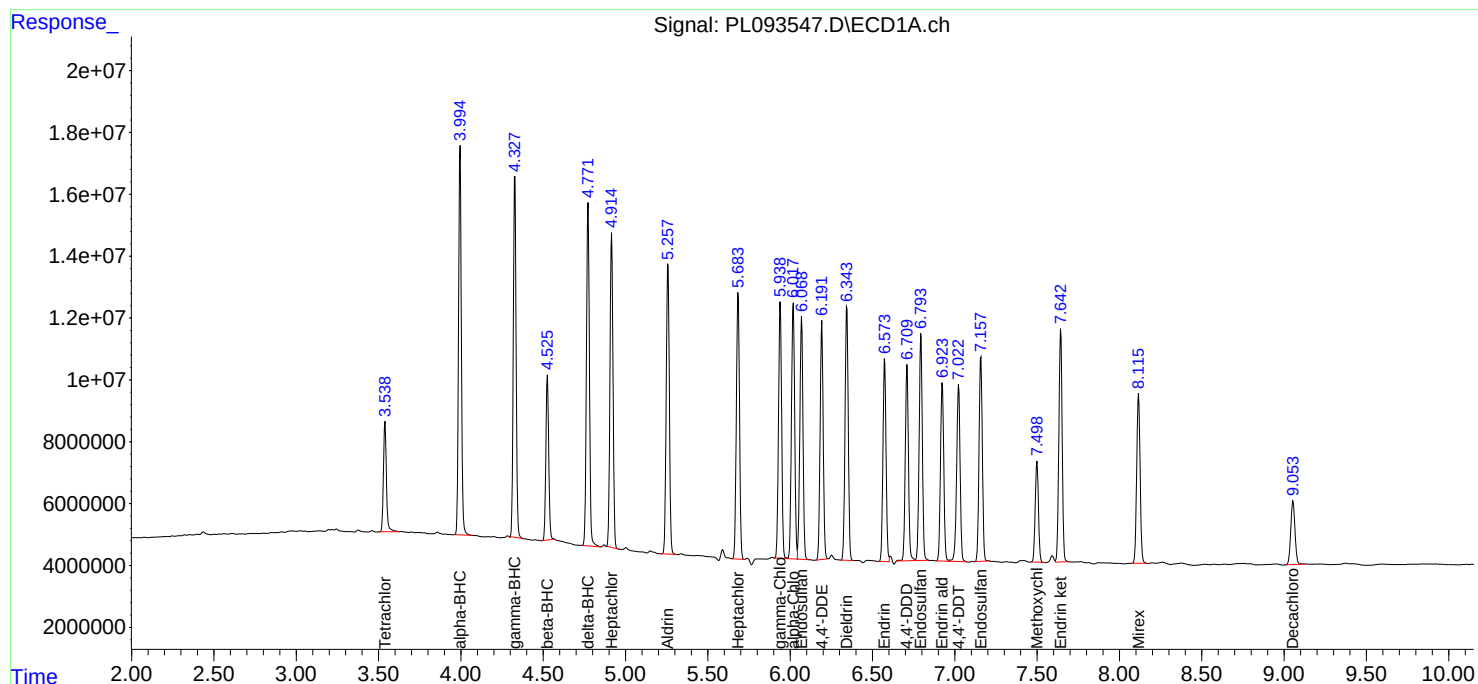
APPROVED

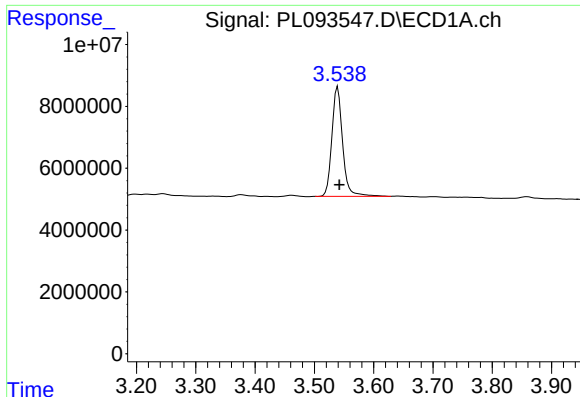
Reviewed By :Abdul Mirza 12/30/2024

Supervised By :Ankita Jodhani 12/30/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 28 00:59:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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.: 3.539 min
Delta R.T.: -0.003 min
Response: 44568540
Conc: 18.00 ng/ml

Instrument :

ECD_L

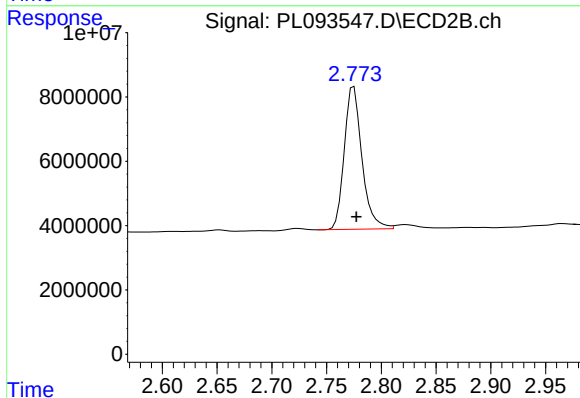
ClientSampleId :

PB165895BS

Manual Integrations

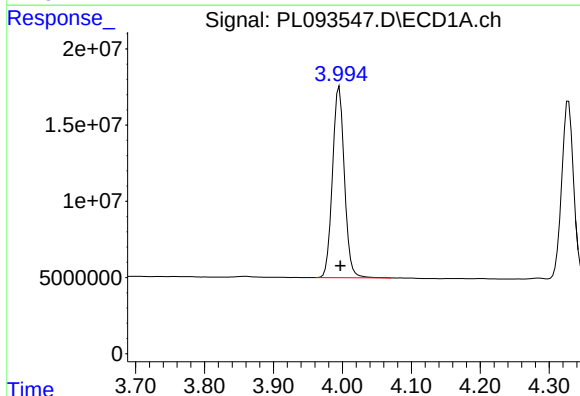
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



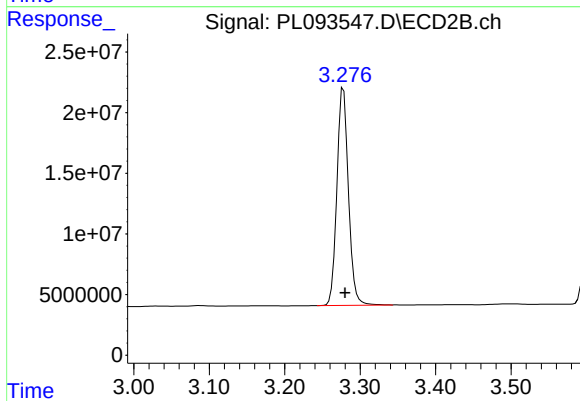
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: -0.002 min
Response: 49861524
Conc: 17.13 ng/ml



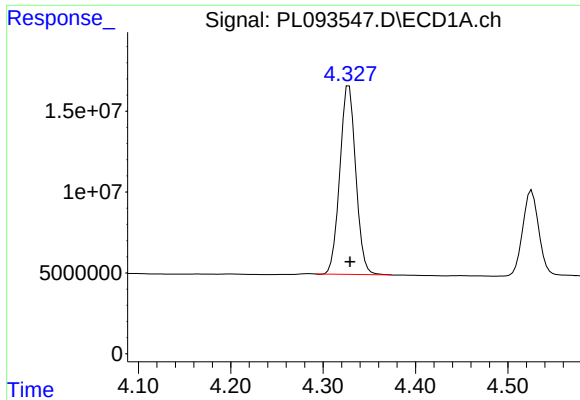
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: -0.002 min
Response: 150370359
Conc: 43.56 ng/ml



#2 alpha-BHC

R.T.: 3.278 min
Delta R.T.: -0.002 min
Response: 190908500
Conc: 43.92 ng/ml



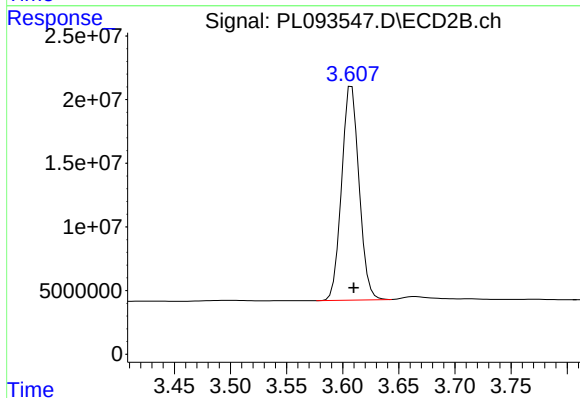
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: -0.001 min
Response: 140010414
Conc: 42.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165895BS

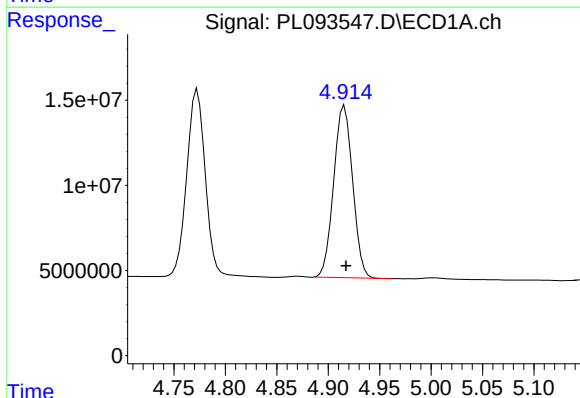
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



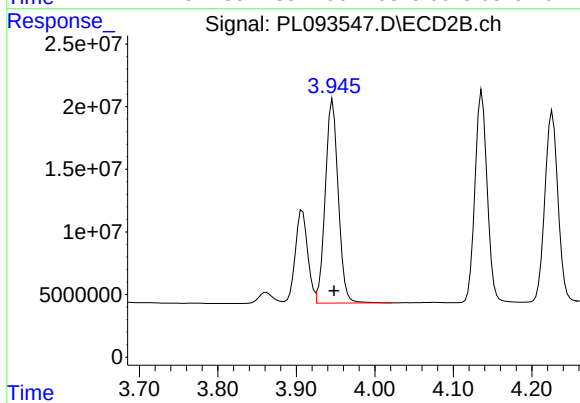
#3 gamma-BHC (Lindane)

R.T.: 3.608 min
Delta R.T.: -0.002 min
Response: 181693790
Conc: 43.06 ng/ml



#4 Heptachlor

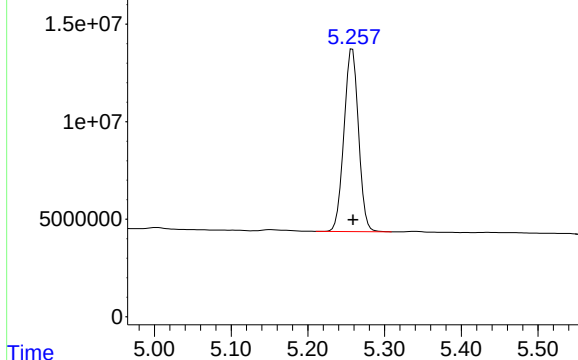
R.T.: 4.916 min
Delta R.T.: -0.002 min
Response: 129228291
Conc: 44.13 ng/ml



#4 Heptachlor

R.T.: 3.946 min
Delta R.T.: -0.002 min
Response: 186061746
Conc: 44.77 ng/ml

Response_ Signal: PL093547.D\ECD1A.ch



#5 Aldrin

R.T.: 5.258 min
Delta R.T.: -0.001 min
Response: 123684714
Conc: 42.52 ng/ml

Instrument :

ECD_L

ClientSampleId :

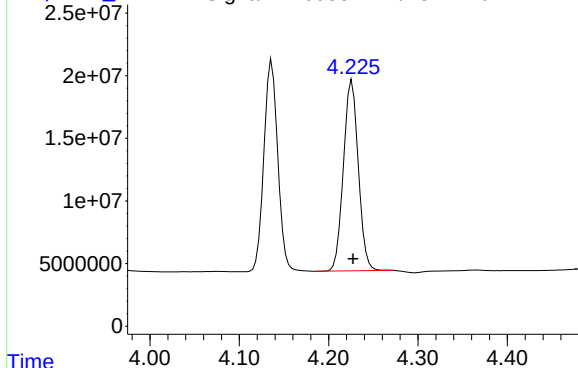
PB165895BS

Manual Integrations

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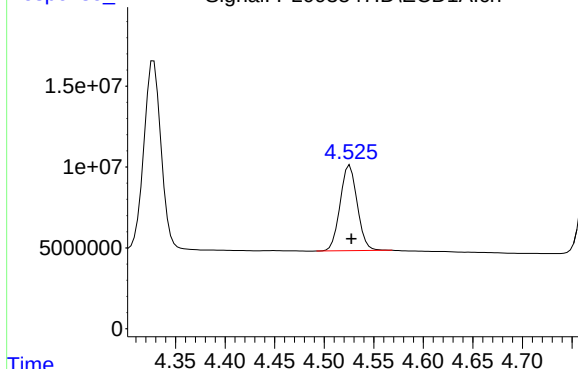
Response_ Signal: PL093547.D\ECD2B.ch



#5 Aldrin

R.T.: 4.226 min
Delta R.T.: -0.001 min
Response: 175987498
Conc: 42.90 ng/ml

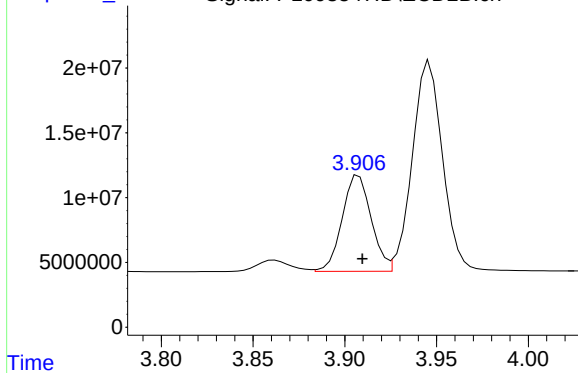
Response_ Signal: PL093547.D\ECD1A.ch



#6 beta-BHC

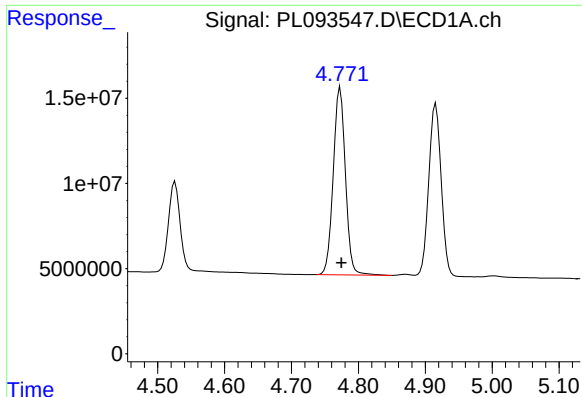
R.T.: 4.526 min
Delta R.T.: -0.002 min
Response: 63733636
Conc: 44.21 ng/ml

Response_ Signal: PL093547.D\ECD2B.ch



#6 beta-BHC

R.T.: 3.908 min
Delta R.T.: -0.002 min
Response: 81661271
Conc: 45.43 ng/ml



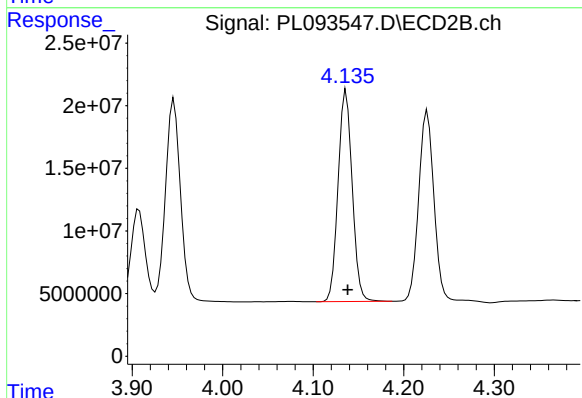
#7 delta-BHC

R.T.: 4.773 min
Delta R.T.: -0.002 min
Response: 138743727
Conc: 45.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165895BS

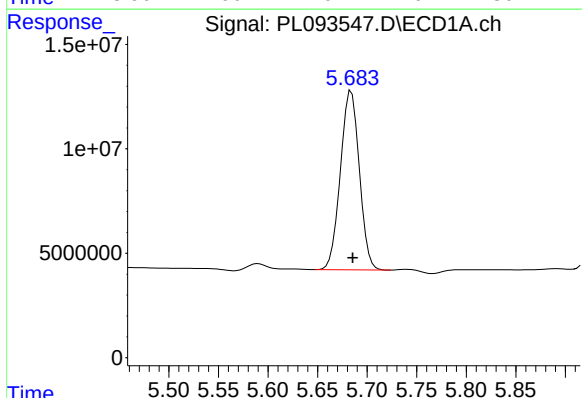
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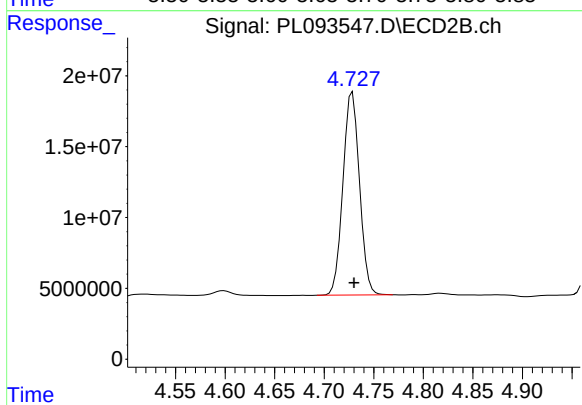
#7 delta-BHC

R.T.: 4.136 min
Delta R.T.: -0.002 min
Response: 182540901
Conc: 43.17 ng/ml



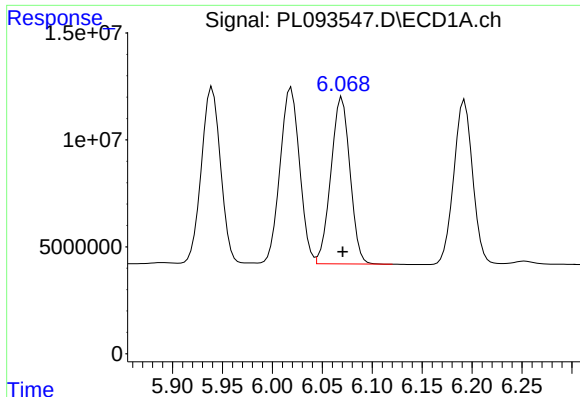
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: -0.001 min
Response: 114122727
Conc: 43.32 ng/ml



#8 Heptachlor epoxide

R.T.: 4.728 min
Delta R.T.: -0.002 min
Response: 166501799
Conc: 43.49 ng/ml



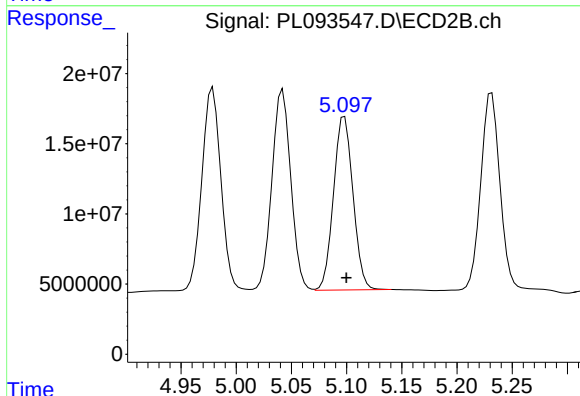
#9 Endosulfan I

R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 103765798
Conc: 43.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165895BS

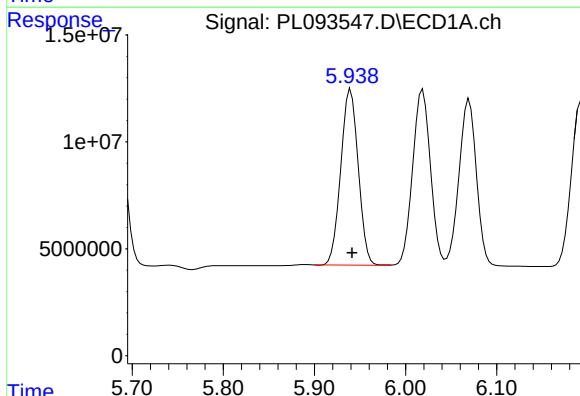
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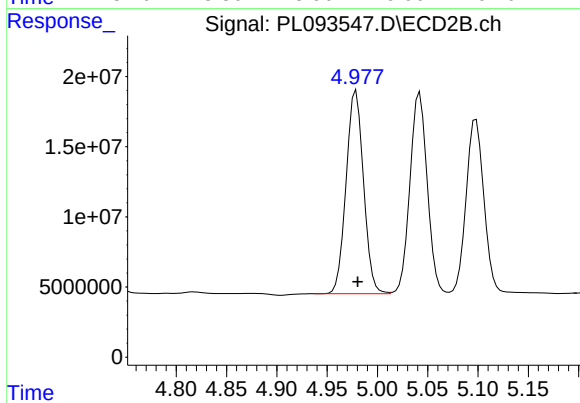
#9 Endosulfan I

R.T.: 5.098 min
Delta R.T.: -0.002 min
Response: 151767723
Conc: 43.44 ng/ml



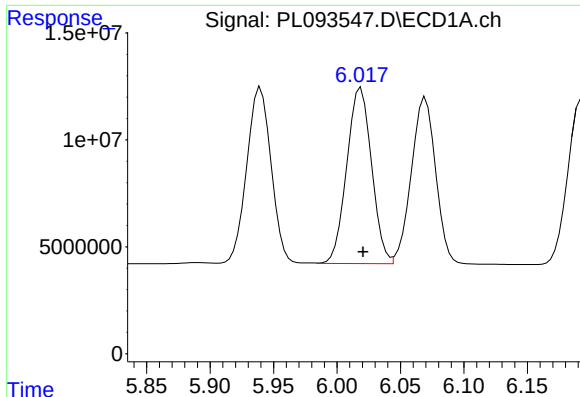
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.002 min
Response: 109662607
Conc: 43.64 ng/ml



#10 gamma-Chlordane

R.T.: 4.977 min
Delta R.T.: -0.003 min
Response: 174431545
Conc: 45.27 ng/ml m



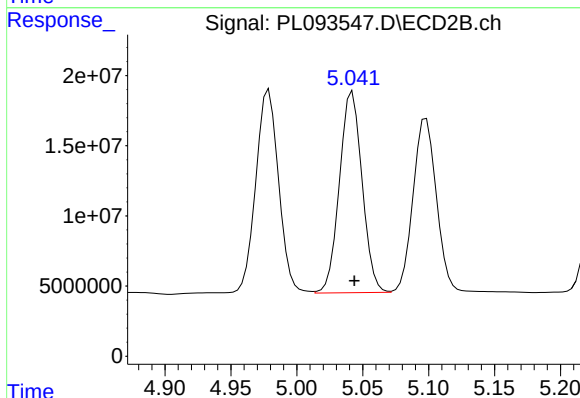
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: -0.002 min
Response: 111981824
Conc: 44.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165895BS

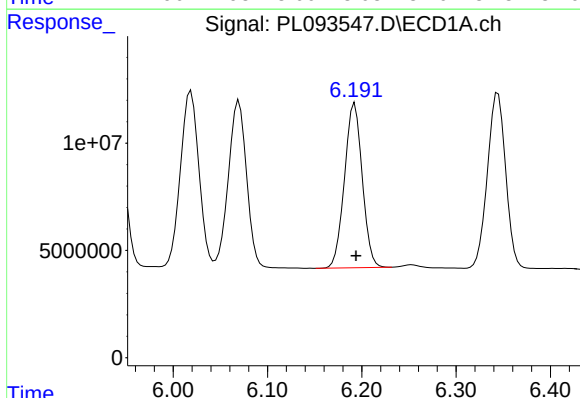
Manual Integrations
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Supervised By :Ankita Jodhani 12/30/2024



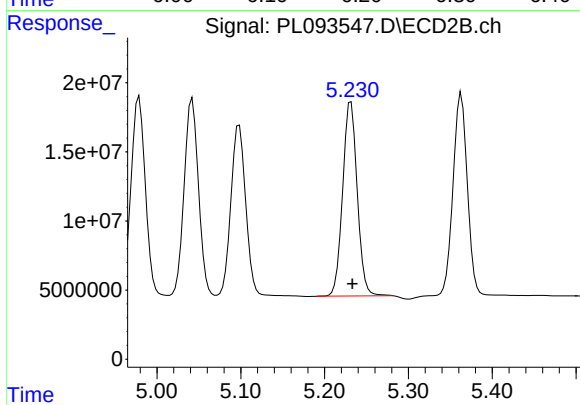
#11 alpha-Chlordane

R.T.: 5.042 min
Delta R.T.: -0.002 min
Response: 171182226
Conc: 44.96 ng/ml



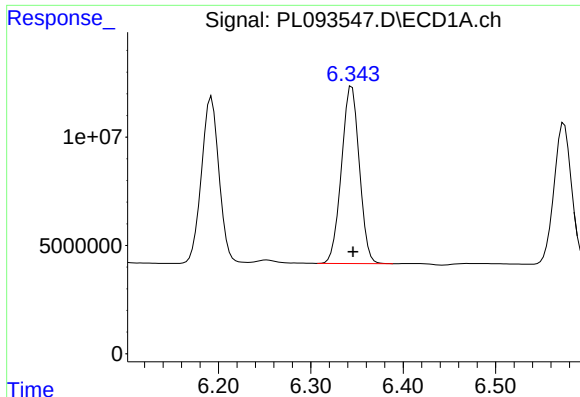
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.002 min
Response: 100400825
Conc: 44.74 ng/ml



#12 4,4'-DDE

R.T.: 5.231 min
Delta R.T.: -0.002 min
Response: 169921893
Conc: 46.21 ng/ml



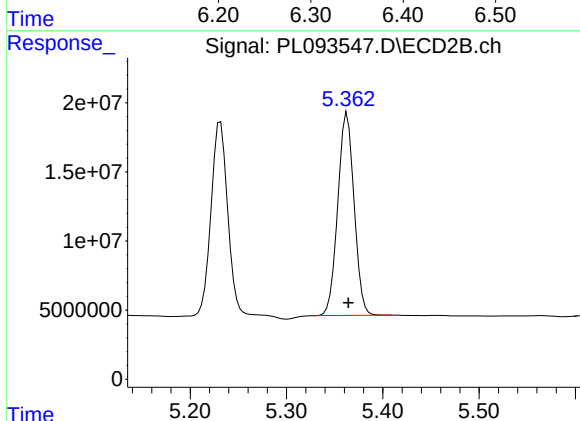
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: -0.002 min
Response: 109913010
Conc: 44.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165895BS

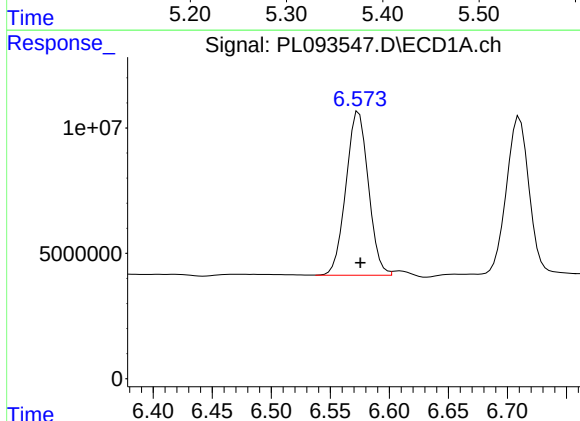
Manual Integrations
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Supervised By :Ankita Jodhani 12/30/2024



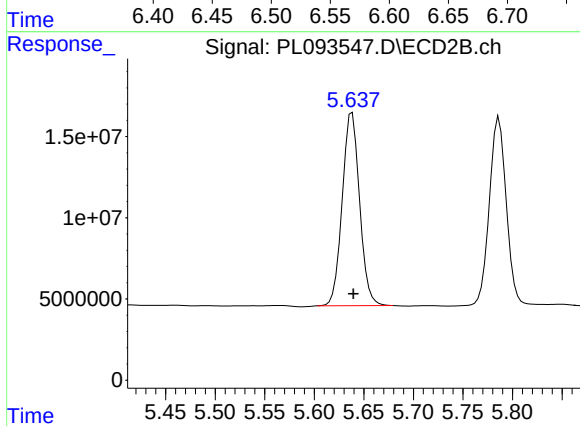
#13 Dieldrin

R.T.: 5.363 min
Delta R.T.: -0.001 min
Response: 172592429
Conc: 44.78 ng/ml



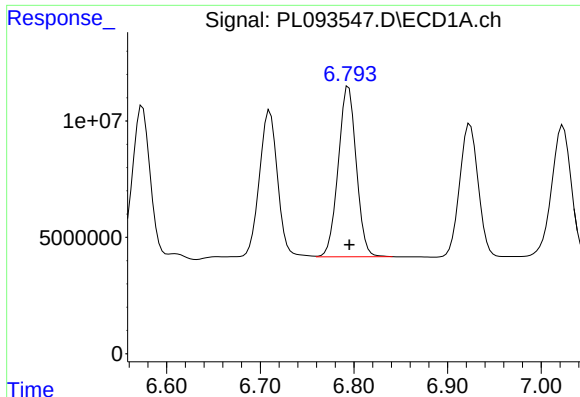
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.003 min
Response: 86730230
Conc: 40.29 ng/ml m



#14 Endrin

R.T.: 5.638 min
Delta R.T.: -0.001 min
Response: 144992129
Conc: 43.83 ng/ml



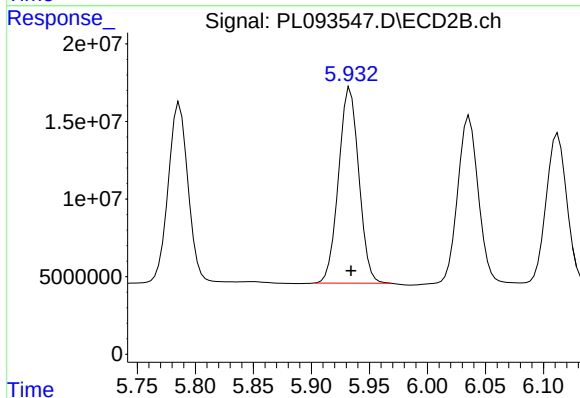
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: -0.001 min
Response: 98165664
Conc: 43.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165895BS

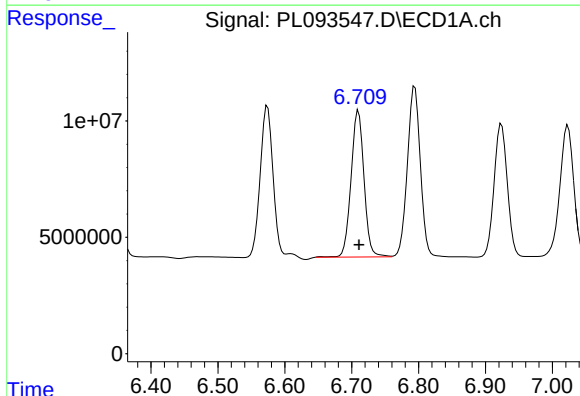
Manual Integrations
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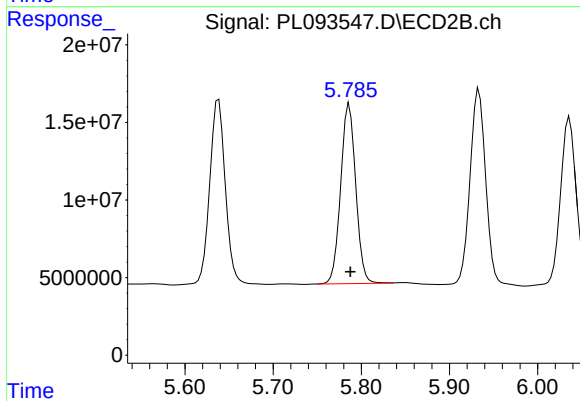
#15 Endosulfan II

R.T.: 5.934 min
Delta R.T.: 0.000 min
Response: 153310313
Conc: 47.19 ng/ml



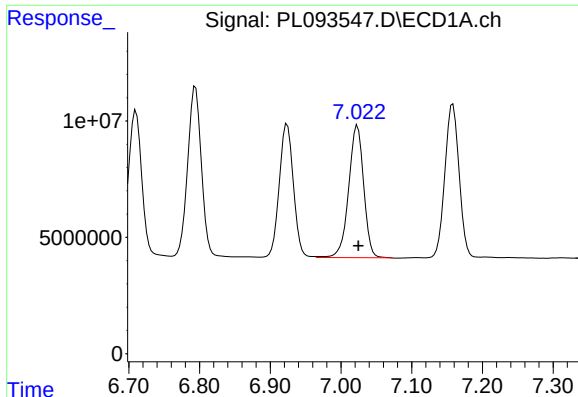
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 85126968
Conc: 48.48 ng/ml



#16 4,4'-DDD

R.T.: 5.786 min
Delta R.T.: -0.001 min
Response: 137436274
Conc: 48.56 ng/ml



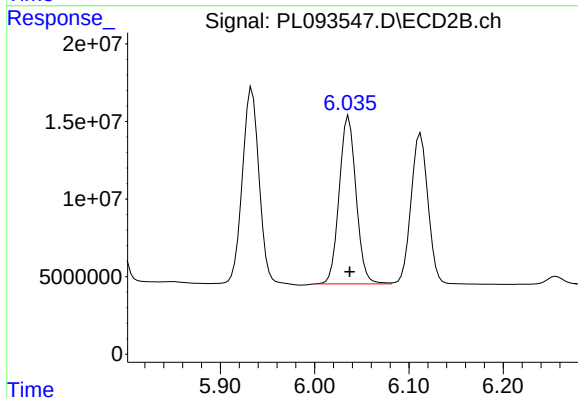
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: -0.002 min
Response: 84026546
Conc: 45.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165895BS

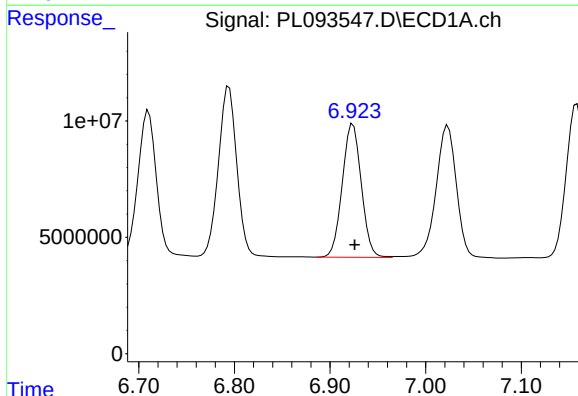
Manual Integrations
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Supervised By :Ankita Jodhani 12/30/2024



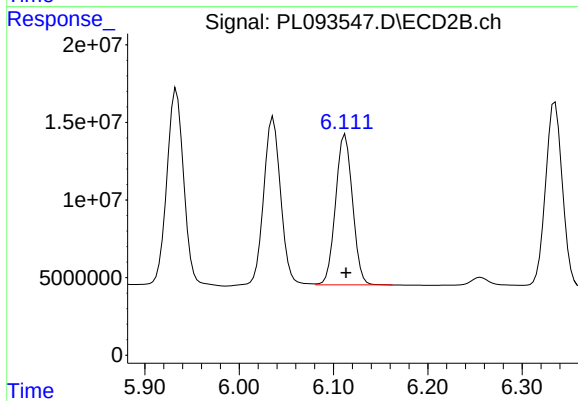
#17 4,4'-DDT

R.T.: 6.036 min
Delta R.T.: -0.001 min
Response: 134798270
Conc: 44.63 ng/ml



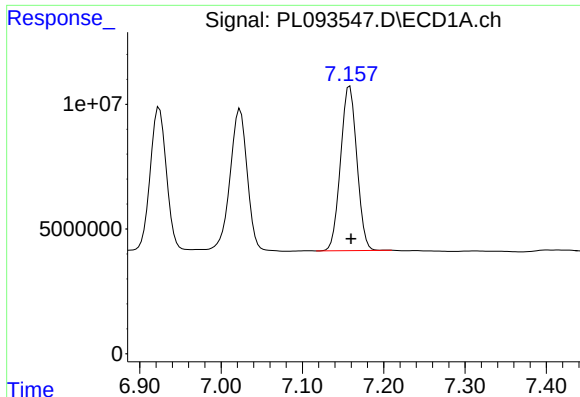
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: -0.002 min
Response: 79442821
Conc: 44.77 ng/ml



#18 Endrin aldehyde

R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 120993274
Conc: 44.93 ng/ml



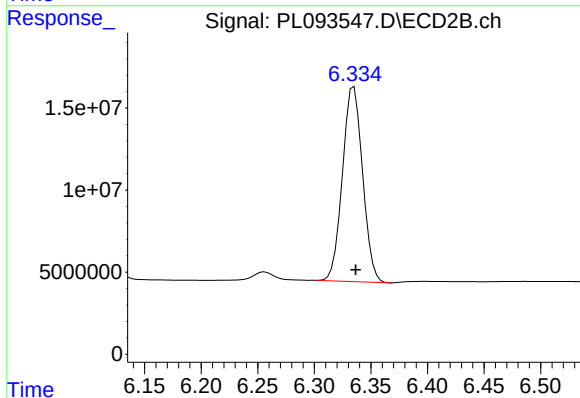
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: -0.002 min
Response: 91605377
Conc: 45.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165895BS

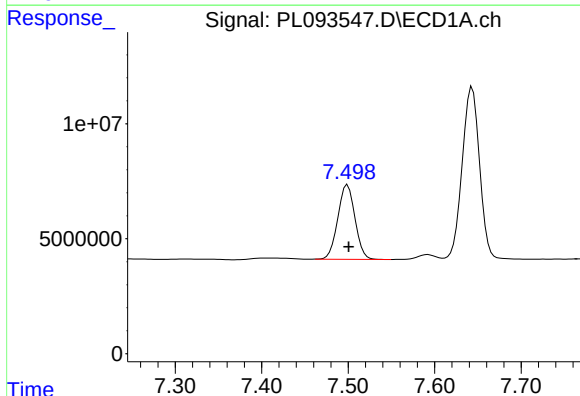
Manual Integrations
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Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



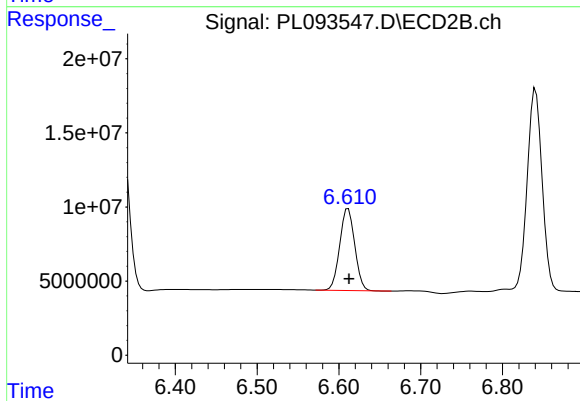
#19 Endosulfan Sulfate

R.T.: 6.335 min
Delta R.T.: -0.002 min
Response: 146902447
Conc: 46.57 ng/ml



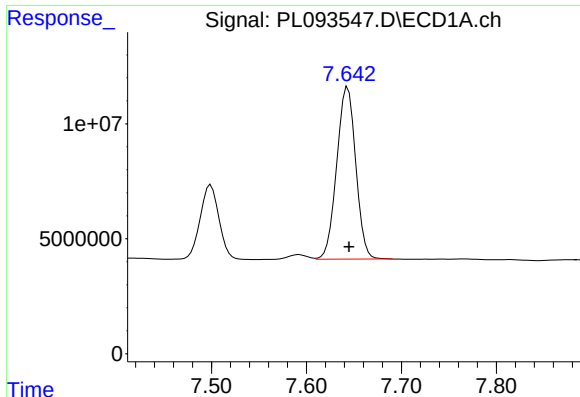
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: -0.001 min
Response: 44413299
Conc: 44.43 ng/ml



#20 Methoxychlor

R.T.: 6.611 min
Delta R.T.: 0.000 min
Response: 70237256
Conc: 43.64 ng/ml



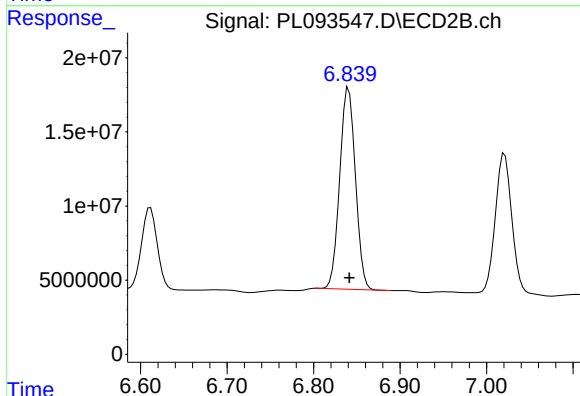
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: -0.001 min
Response: 104532307
Conc: 46.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165895BS

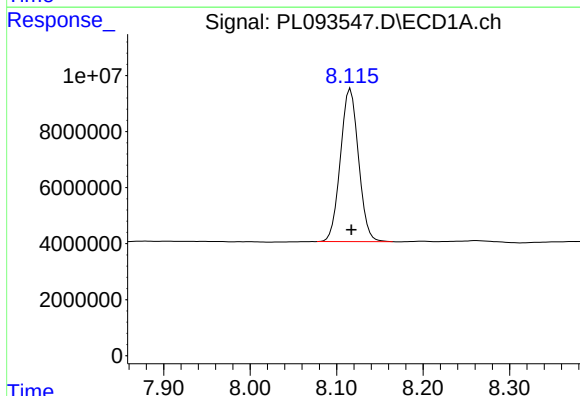
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Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



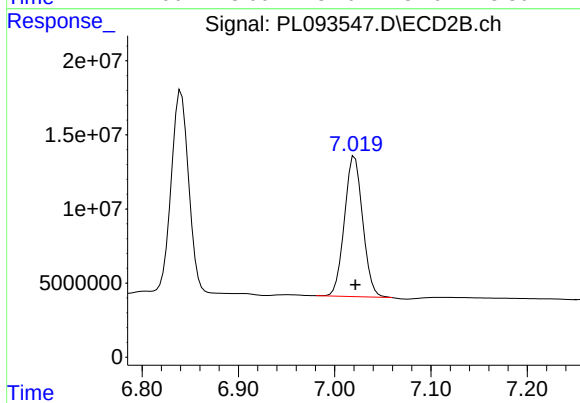
#21 Endrin ketone

R.T.: 6.841 min
Delta R.T.: -0.001 min
Response: 170325792
Conc: 46.79 ng/ml



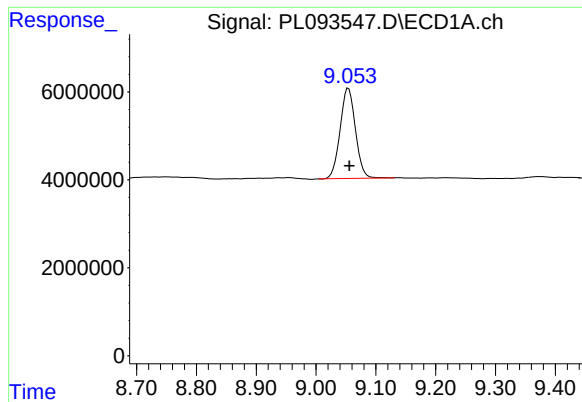
#22 Mirex

R.T.: 8.116 min
Delta R.T.: -0.001 min
Response: 78866509
Conc: 42.20 ng/ml



#22 Mirex

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 124239639
Conc: 40.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.002 min
Response: 36539783
Conc: 19.76 ng/ml

Instrument :

ECD_L

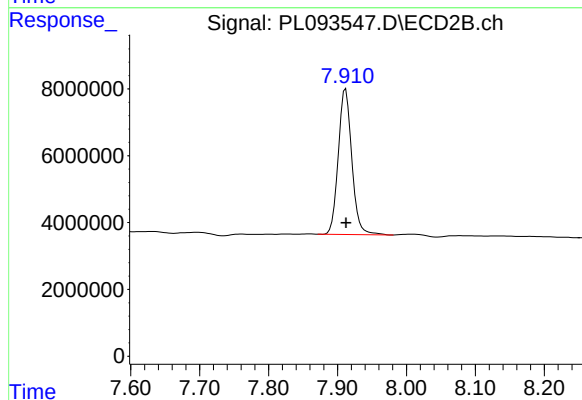
ClientSampleId :

PB165895BS

Manual Integrations

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Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 59422474
Conc: 19.90 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/19/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/19/24
Client Sample ID:	WC-SOIL-20241219MS	SDG No.:	P5380
Lab Sample ID:	P5362-02MS	Matrix:	TCLP
Analytical Method:	SW8081	% 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
PL093550.D	1	12/27/24 11:00	12/27/24 17:27	PB165895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	4.90		0.049	0.25	0.50	ug/L
76-44-8	Heptachlor	5.00		0.054	0.25	0.50	ug/L
1024-57-3	Heptachlor epoxide	4.90		0.090	0.25	0.50	ug/L
72-20-8	Endrin	5.00		0.043	0.10	0.50	ug/L
72-43-5	Methoxychlor	5.00		0.11	0.25	0.50	ug/L
8001-35-2	Toxaphene	5.00	U	1.50	5.00	10.0	ug/L
57-74-9	Chlordane	2.50	U	0.82	2.50	5.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	18.3		30 - 135		91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		44 - 124		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\PL122724\
 Data File : PL093550.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Dec 2024 17:27
 Operator : AR\AJ
 Sample : P5362-02MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 WC-SOIL-20241219MS

Manual Integrations
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Reviewed By :Abdul Mirza 12/30/2024
 Supervised By :Ankita Jodhani 12/30/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 28 01:01:00 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 15:29:41 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.539	2.776	47228368	56265611	19.077	19.327
28)	SA Decachlor...	9.053	7.912	33069193	54555546	17.885	18.271
Target Compounds							
2)	A alpha-BHC	3.995	3.278	167.2E6	217.9E6	48.433	50.133
3)	MA gamma-BHC...	4.328	3.609	156.5E6	206.7E6	47.722	49.000
4)	MA Heptachlor	4.916	3.947	143.1E6	207.3E6	48.863	49.872
5)	MB Aldrin	5.257	4.227	133.3E6	195.1E6	45.813	47.550
6)	B beta-BHC	4.526	3.908	69755763	90072586	48.388	50.110
7)	B delta-BHC	4.773	4.137	154.4E6	208.4E6	50.406	49.279
8)	B Heptachlo...	5.684	4.729	126.1E6	186.6E6	47.861	48.730
9)	A Endosulfan I	6.070	5.098	114.7E6	177.7E6	48.603	50.870
10)	B gamma-Chl...	5.940	4.979	123.0E6	199.7E6	48.925	51.835
11)	B alpha-Chl...	6.019	5.043	123.3E6	193.0E6	49.267	50.678
12)	B 4,4'-DDE	6.193	5.231	113.1E6	190.3E6	50.399	51.759
13)	MA Dieldrin	6.345	5.363	122.5E6	195.8E6	49.087	50.800
14)	MA Endrin	6.573	5.638	97854740	165.7E6	45.462m	50.085
15)	B Endosulfa...	6.794	5.933	107.0E6	172.9E6	47.078	53.214
16)	A 4,4'-DDD	6.710	5.786	91989122	154.6E6	52.387	54.634
17)	MA 4,4'-DDT	7.023	6.036	95224216	153.6E6	51.514	50.853
18)	B Endrin al...	6.924	6.112	83471063	130.5E6	47.038	48.454
19)	B Endosulfa...	7.158	6.335	100.1E6	163.9E6	49.591	51.950
20)	A Methoxychlor	7.500	6.611	49421054	79931140	49.437	49.658
21)	B Endrin ke...	7.644	6.840	113.4E6	192.6E6	50.553	52.914
22)	Mirex	8.117	7.020	84423088	139.0E6	45.177	45.479

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
Data File : PL093550.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Dec 2024 17:27
Operator : AR\AJ
Sample : P5362-02MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

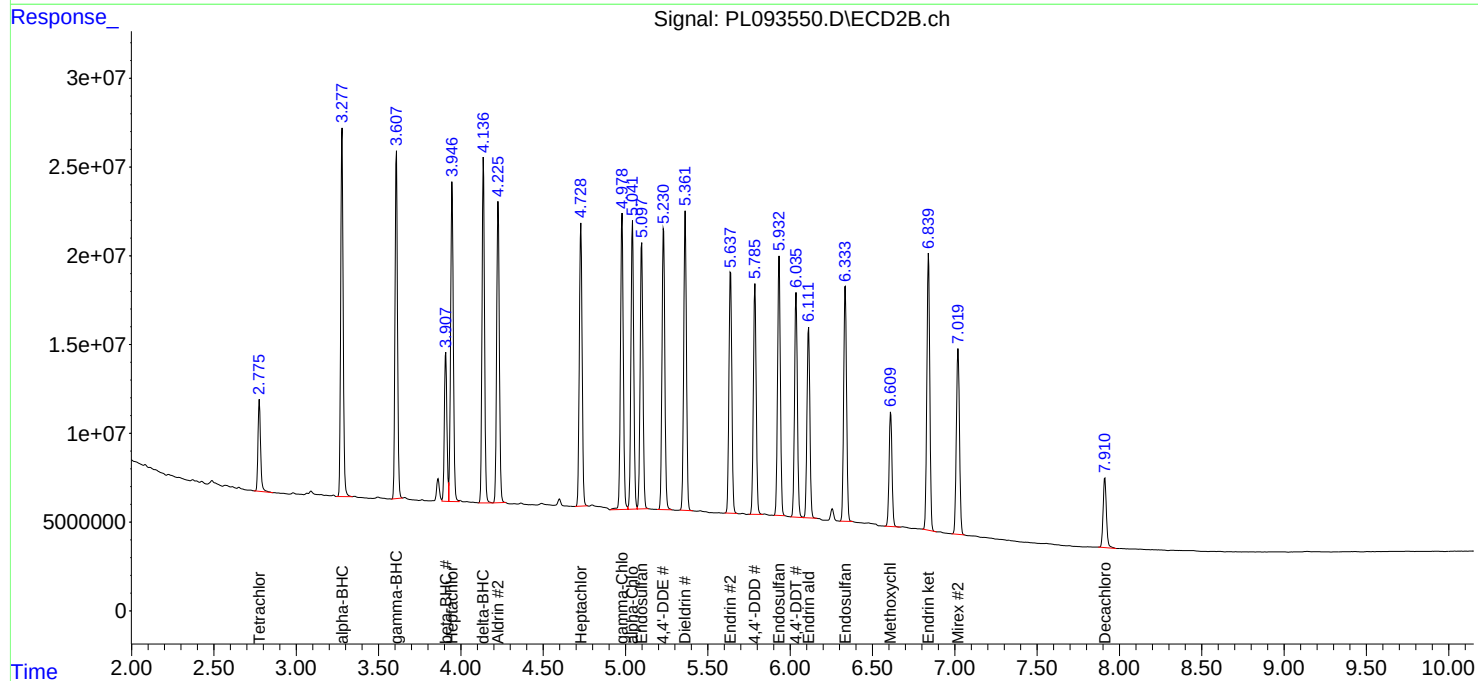
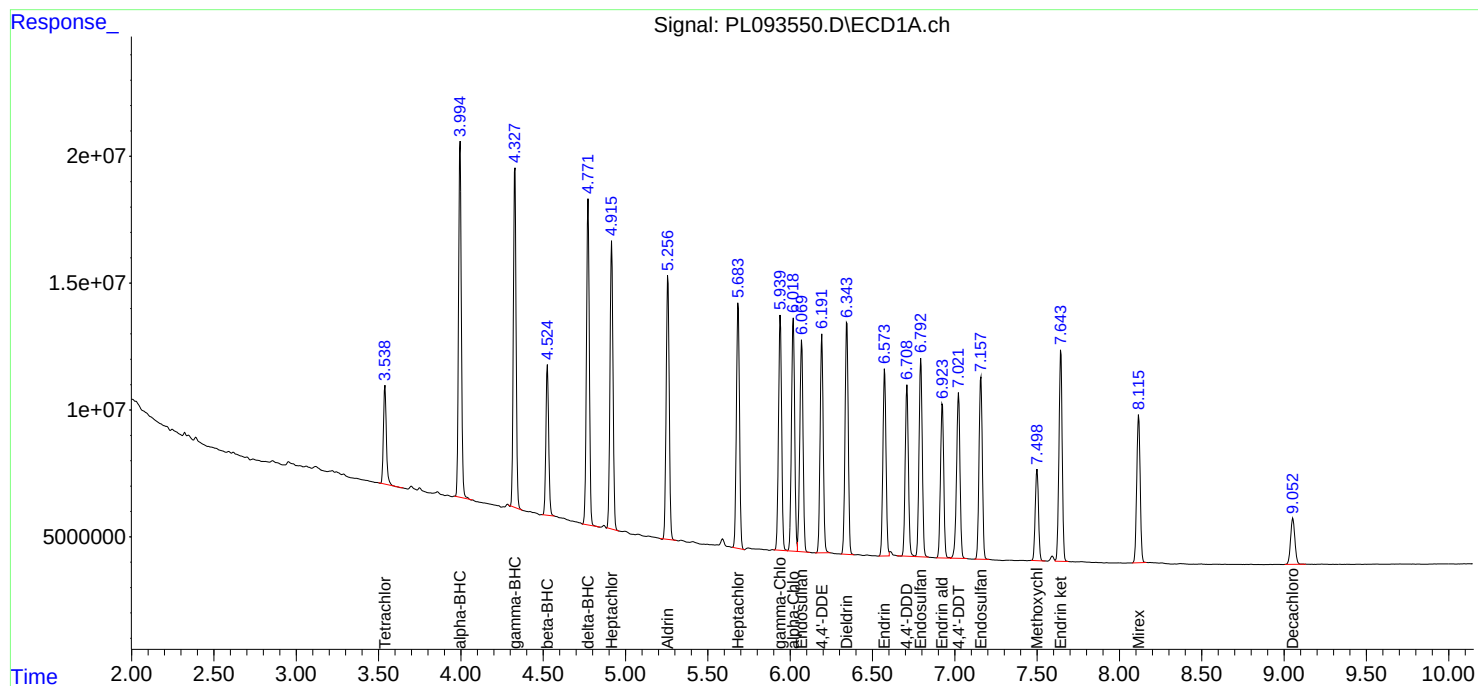
Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS

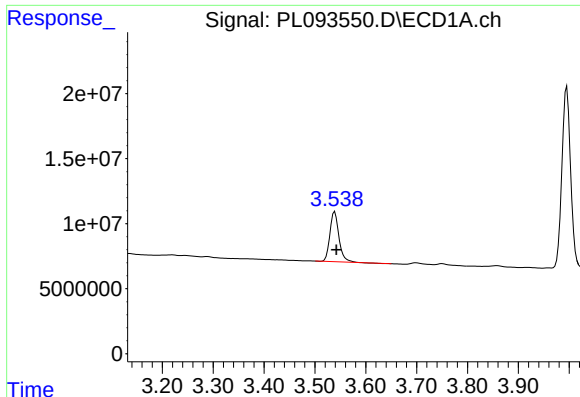
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 12/30/2024
Supervised By : Ankita Jodhani 12/30/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 28 01:01:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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





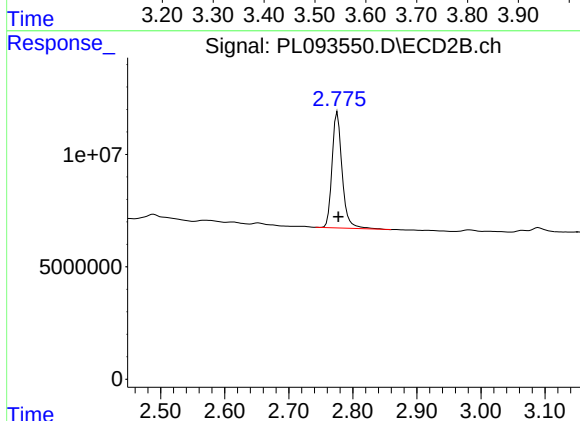
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: -0.003 min
Response: 47228368
Conc: 19.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS

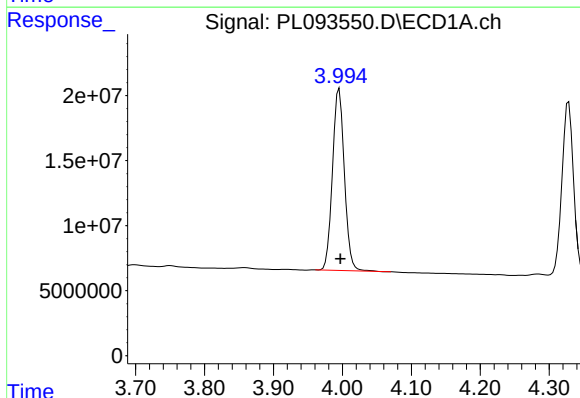
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



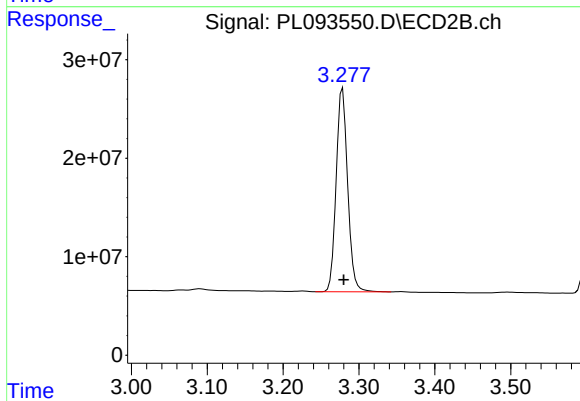
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.001 min
Response: 56265611
Conc: 19.33 ng/ml



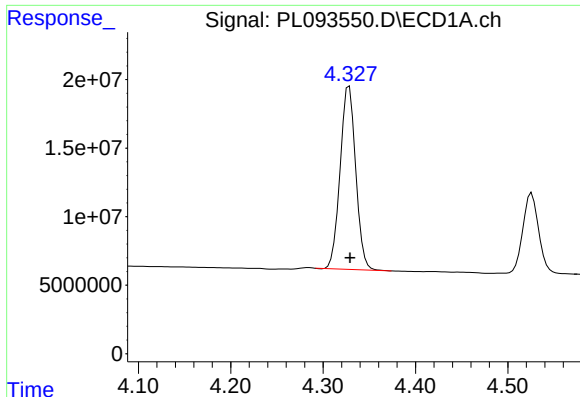
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: -0.002 min
Response: 167209864
Conc: 48.43 ng/ml



#2 alpha-BHC

R.T.: 3.278 min
Delta R.T.: -0.001 min
Response: 217917894
Conc: 50.13 ng/ml



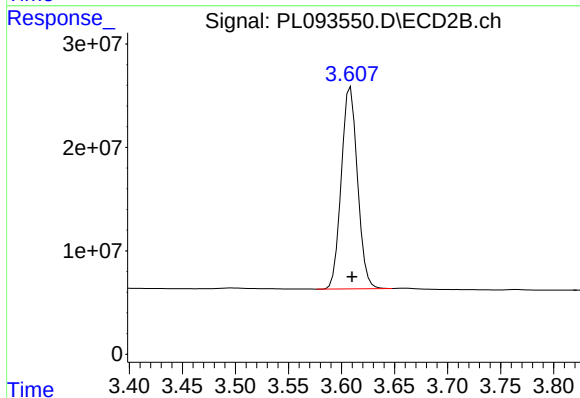
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: -0.001 min
Response: 156502345
Conc: 47.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS

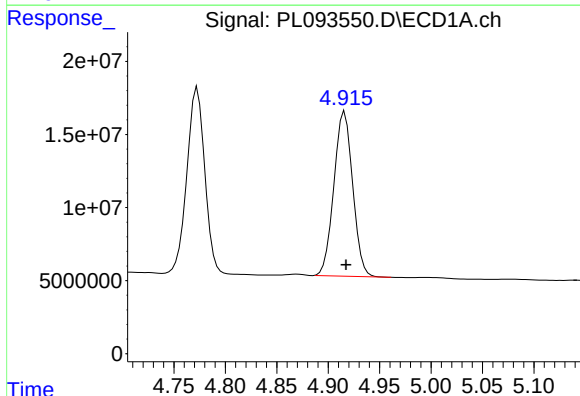
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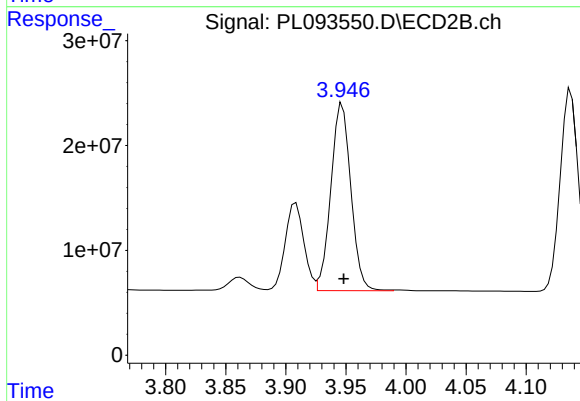
#3 gamma-BHC (Lindane)

R.T.: 3.609 min
Delta R.T.: -0.001 min
Response: 206749021
Conc: 49.00 ng/ml



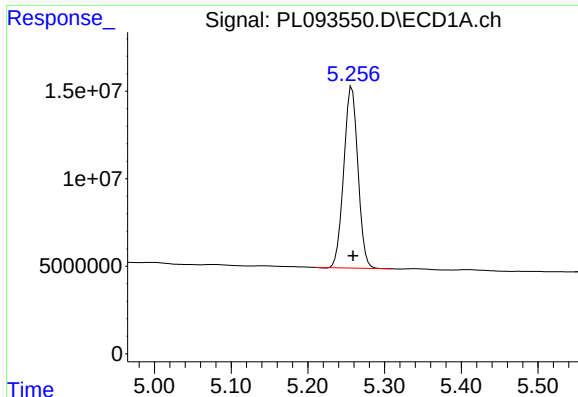
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: -0.002 min
Response: 143085303
Conc: 48.86 ng/ml



#4 Heptachlor

R.T.: 3.947 min
Delta R.T.: -0.001 min
Response: 207264230
Conc: 49.87 ng/ml



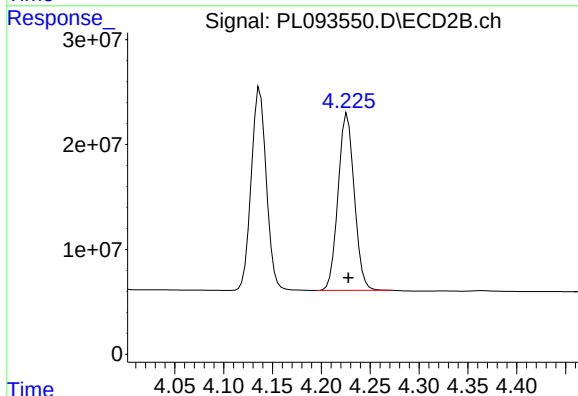
#5 Aldrin

R.T.: 5.257 min
Delta R.T.: -0.002 min
Response: 133263653
Conc: 45.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS

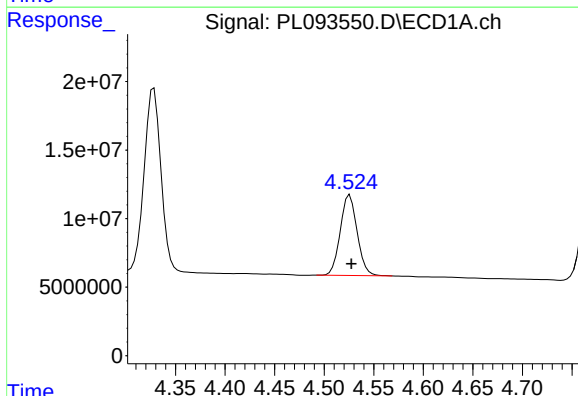
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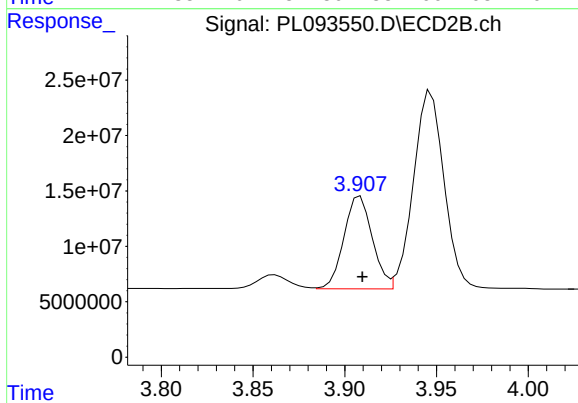
#5 Aldrin

R.T.: 4.227 min
Delta R.T.: -0.001 min
Response: 195065349
Conc: 47.55 ng/ml



#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: -0.002 min
Response: 69755763
Conc: 48.39 ng/ml

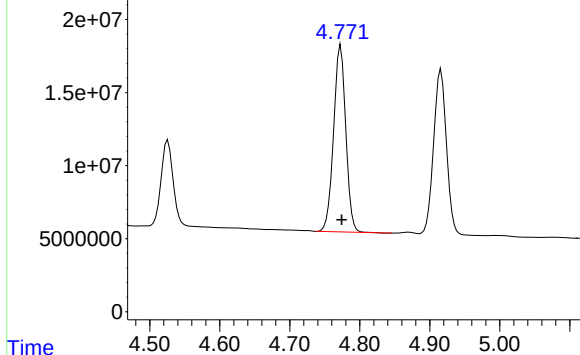


#6 beta-BHC

R.T.: 3.908 min
Delta R.T.: -0.001 min
Response: 90072586
Conc: 50.11 ng/ml

Response_ Signal: PL093550.D\ECD1A.ch

#7 delta-BHC



R.T.: 4.773 min
Delta R.T.: -0.002 min
Response: 154371607
Conc: 50.41 ng/ml

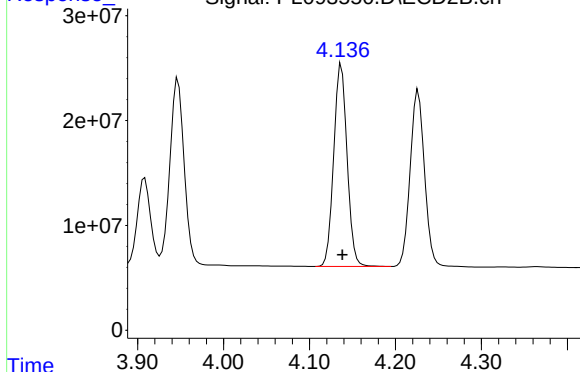
Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS

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Supervised By :Ankita Jodhani 12/30/2024

Time Response_ Signal: PL093550.D\ECD2B.ch

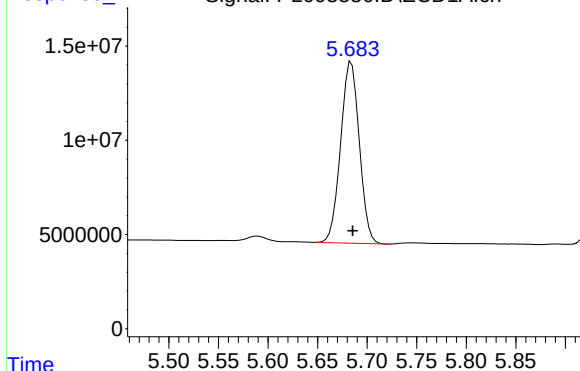
#7 delta-BHC



R.T.: 4.137 min
Delta R.T.: -0.001 min
Response: 208396323
Conc: 49.28 ng/ml

Response_ Signal: PL093550.D\ECD1A.ch

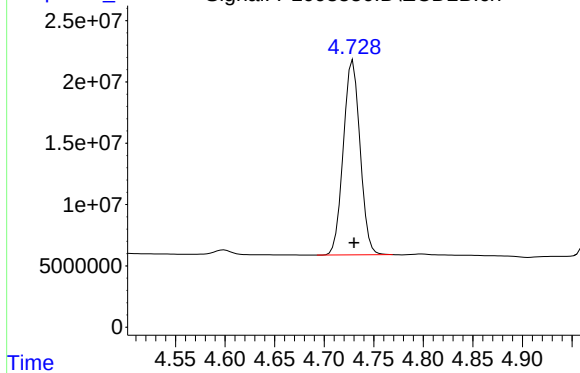
#8 Heptachlor epoxide



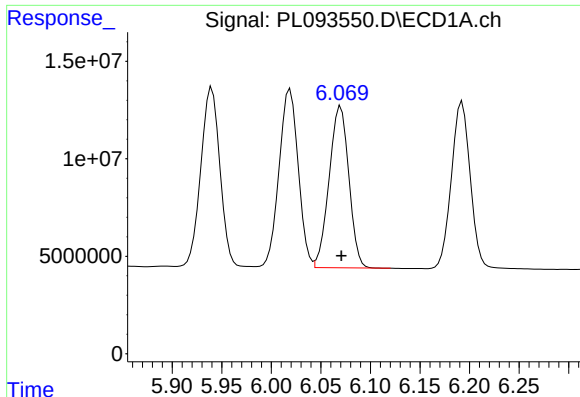
R.T.: 5.684 min
Delta R.T.: -0.001 min
Response: 126082542
Conc: 47.86 ng/ml

Time Response_ Signal: PL093550.D\ECD2B.ch

#8 Heptachlor epoxide



R.T.: 4.729 min
Delta R.T.: -0.001 min
Response: 186574487
Conc: 48.73 ng/ml



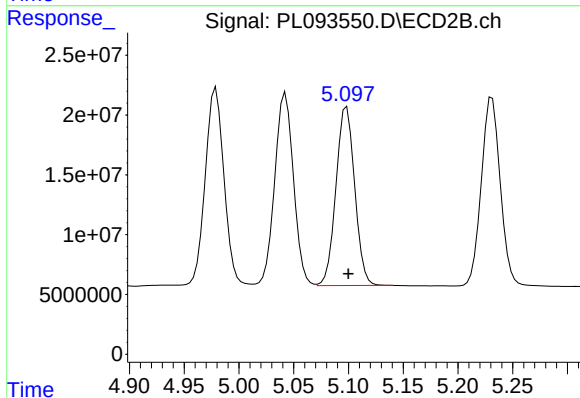
#9 Endosulfan I

R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 114667835
Conc: 48.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS

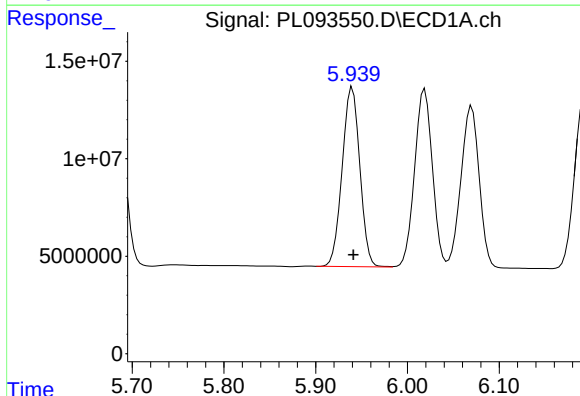
Manual Integrations
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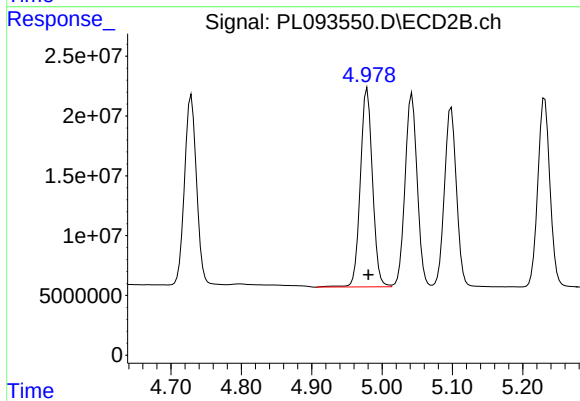
#9 Endosulfan I

R.T.: 5.098 min
Delta R.T.: -0.002 min
Response: 177735881
Conc: 50.87 ng/ml



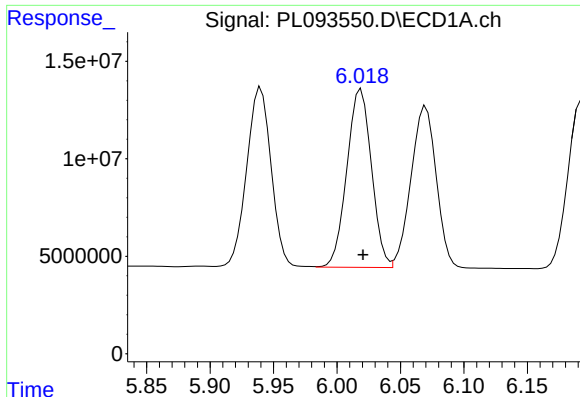
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.001 min
Response: 122952213
Conc: 48.92 ng/ml



#10 gamma-Chlordane

R.T.: 4.979 min
Delta R.T.: -0.001 min
Response: 199721259
Conc: 51.84 ng/ml



#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: -0.001 min
Response: 123309554
Conc: 49.27 ng/ml

Instrument :

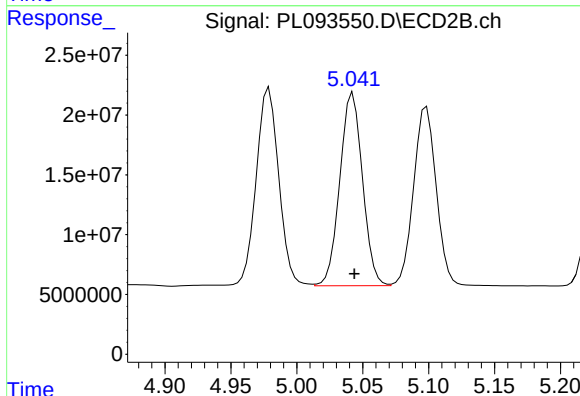
ECD_L

ClientSampleId :

WC-SOIL-20241219MS

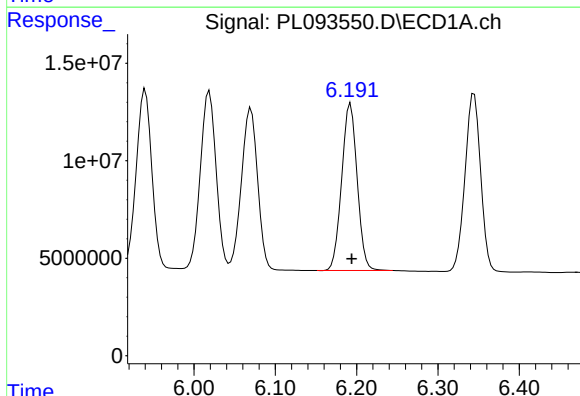
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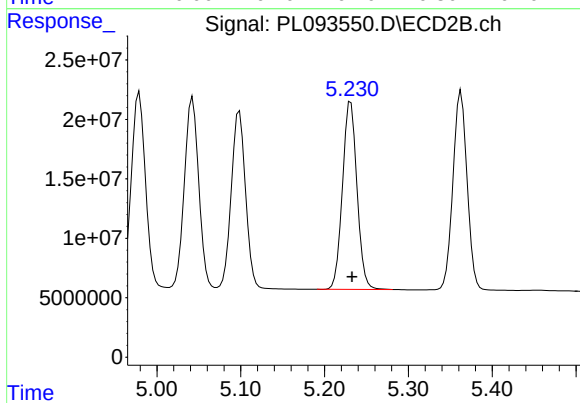
#11 alpha-Chlordane

R.T.: 5.043 min
Delta R.T.: -0.001 min
Response: 192951933
Conc: 50.68 ng/ml



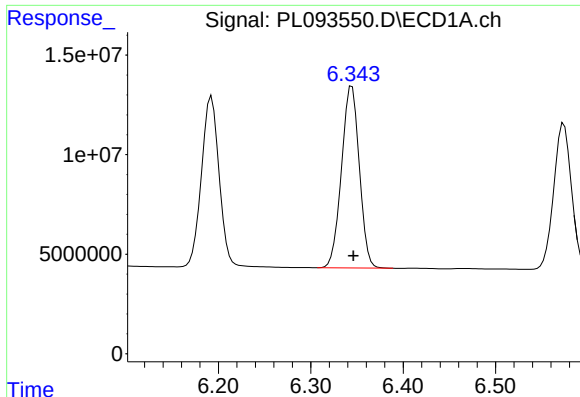
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: -0.001 min
Response: 113087824
Conc: 50.40 ng/ml



#12 4,4'-DDE

R.T.: 5.231 min
Delta R.T.: -0.002 min
Response: 190331975
Conc: 51.76 ng/ml



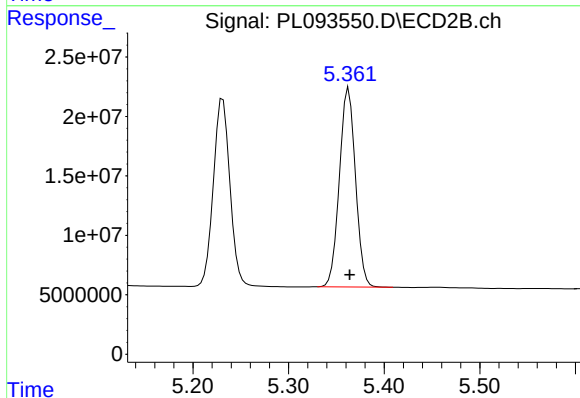
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: -0.001 min
Response: 122475383
Conc: 49.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS

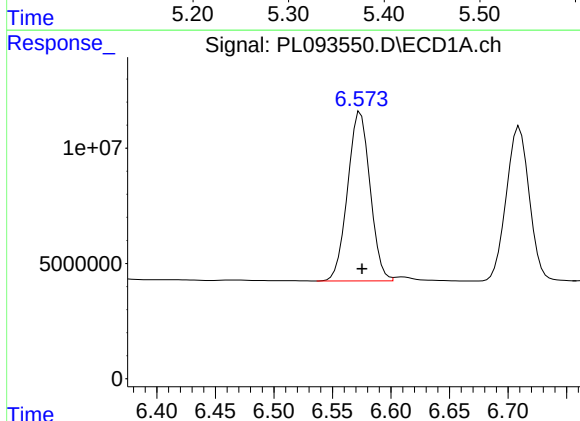
**Manual Integrations
APPROVED**

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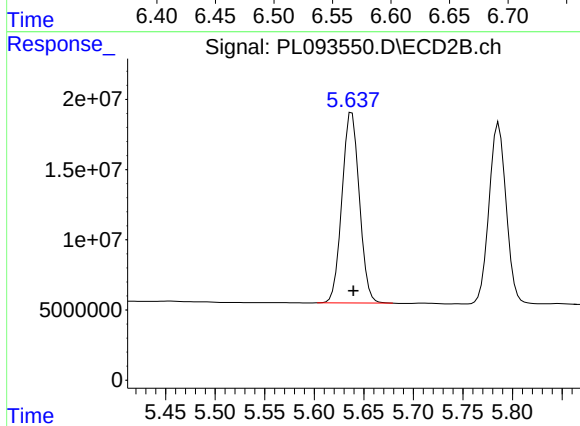
#13 Dieldrin

R.T.: 5.363 min
Delta R.T.: -0.001 min
Response: 195775871
Conc: 50.80 ng/ml



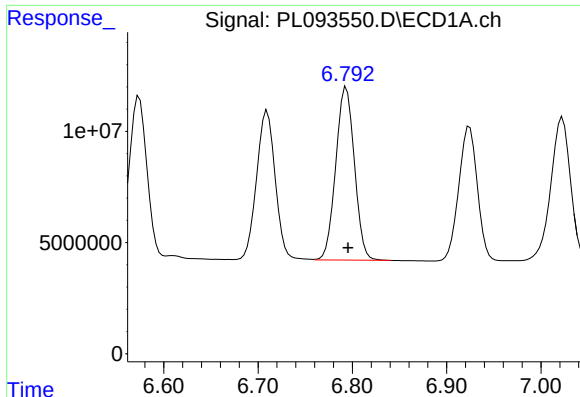
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.003 min
Response: 97854740
Conc: 45.46 ng/ml m



#14 Endrin

R.T.: 5.638 min
Delta R.T.: -0.002 min
Response: 165697290
Conc: 50.08 ng/ml



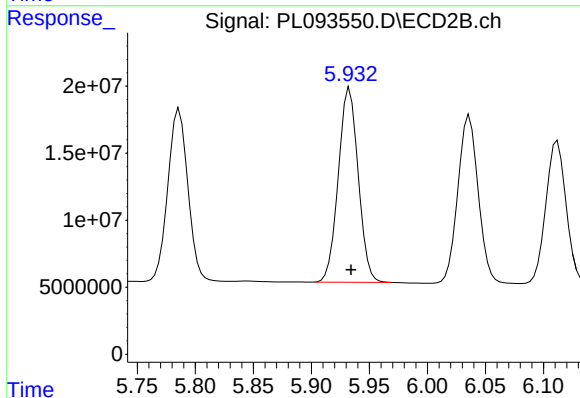
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: -0.002 min
Response: 107021435
Conc: 47.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS

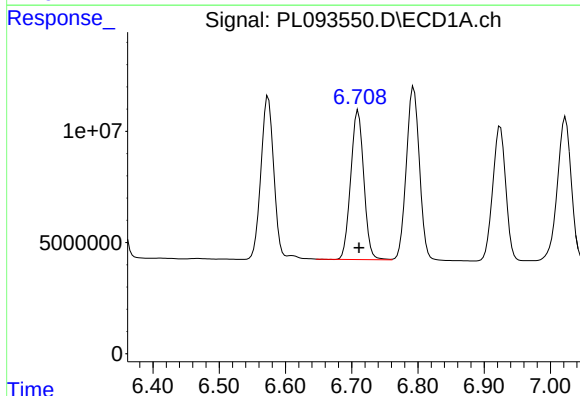
Manual Integrations
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Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



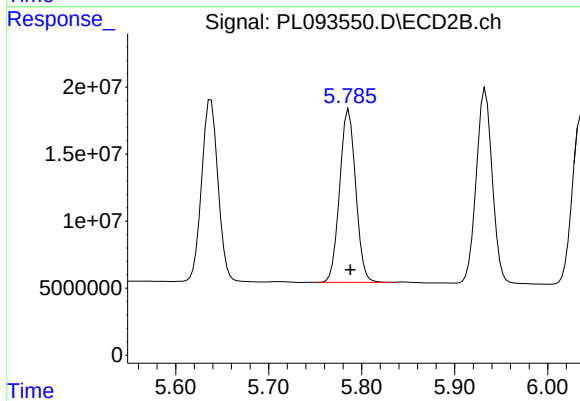
#15 Endosulfan II

R.T.: 5.933 min
Delta R.T.: -0.001 min
Response: 172888749
Conc: 53.21 ng/ml



#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: -0.001 min
Response: 91989122
Conc: 52.39 ng/ml



#16 4,4'-DDD

R.T.: 5.786 min
Delta R.T.: -0.002 min
Response: 154621090
Conc: 54.63 ng/ml

Response_ Signal: PL093550.D\ECD1A.ch

#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: -0.002 min
Response: 95224216
Conc: 51.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS

Manual Integrations
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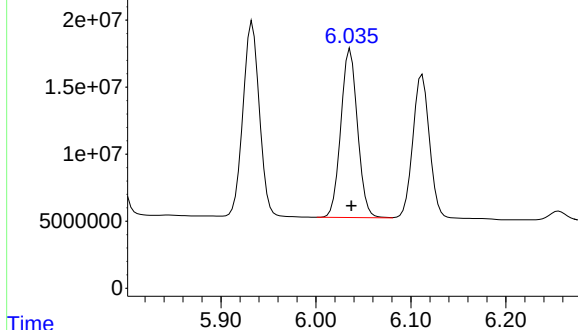
Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024

Time

Response_ Signal: PL093550.D\ECD2B.ch

#17 4,4'-DDT

R.T.: 6.036 min
Delta R.T.: -0.001 min
Response: 153590777
Conc: 50.85 ng/ml

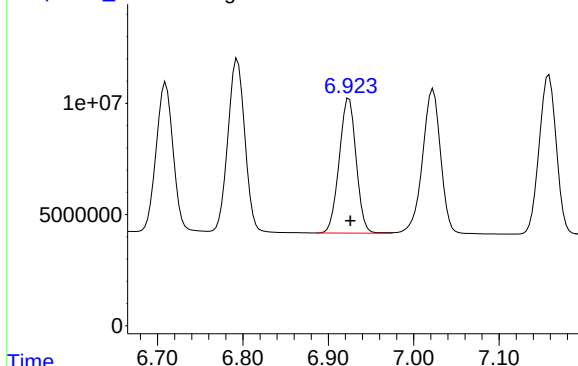


Time

Response_ Signal: PL093550.D\ECD1A.ch

#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: -0.002 min
Response: 83471063
Conc: 47.04 ng/ml

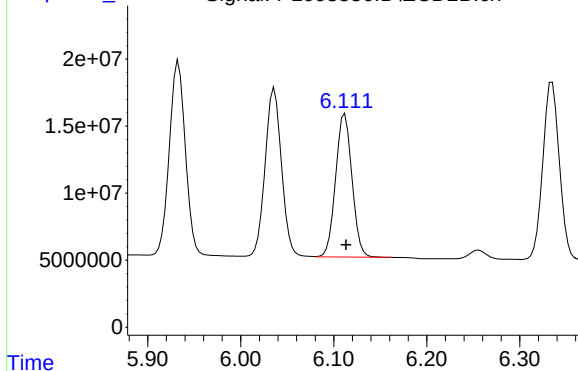


Time

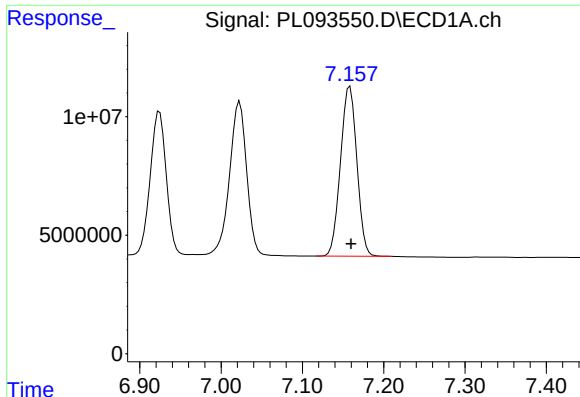
Response_ Signal: PL093550.D\ECD2B.ch

#18 Endrin aldehyde

R.T.: 6.112 min
Delta R.T.: -0.001 min
Response: 130491132
Conc: 48.45 ng/ml



Time



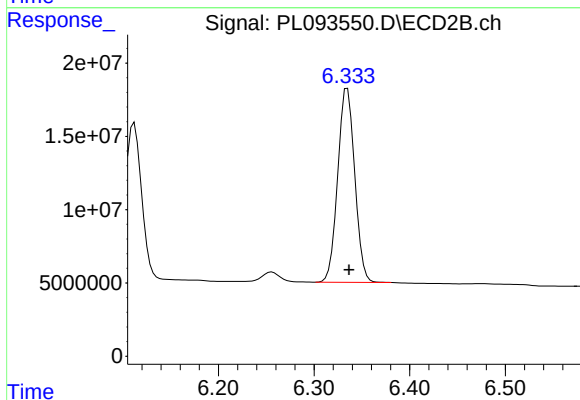
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: -0.001 min
Response: 100125214
Conc: 49.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS

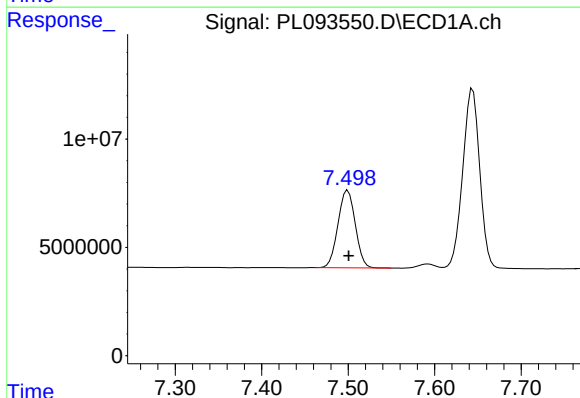
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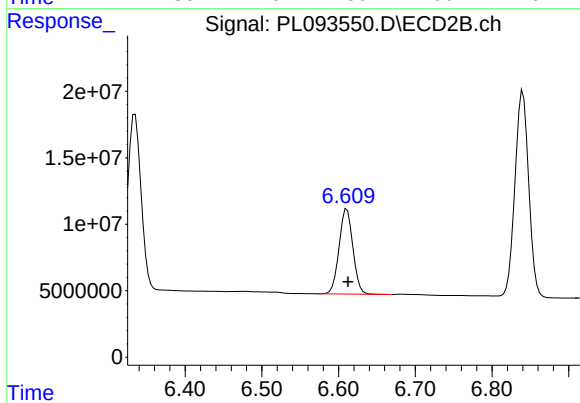
#19 Endosulfan Sulfate

R.T.: 6.335 min
Delta R.T.: -0.002 min
Response: 163873231
Conc: 51.95 ng/ml



#20 Methoxychlor

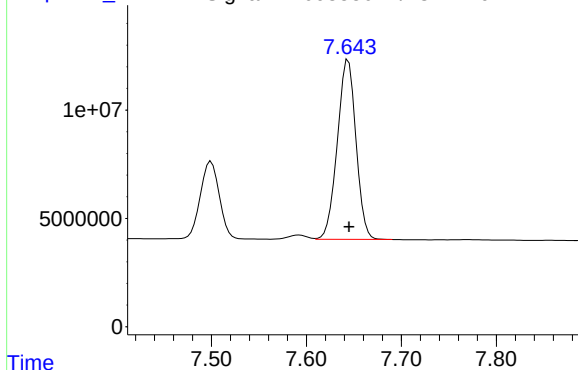
R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 49421054
Conc: 49.44 ng/ml



#20 Methoxychlor

R.T.: 6.611 min
Delta R.T.: -0.002 min
Response: 79931140
Conc: 49.66 ng/ml

Response_ Signal: PL093550.D\ECD1A.ch



#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 113433780
Conc: 50.55 ng/ml

Instrument :

ECD_L

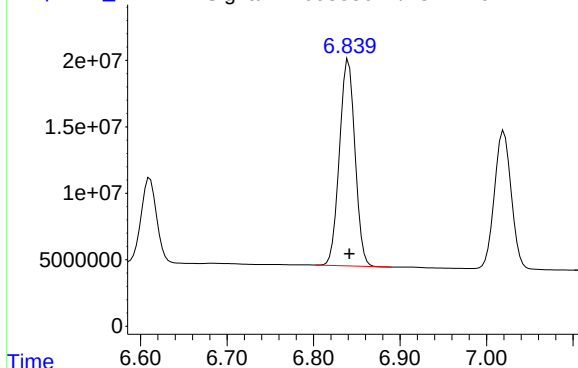
ClientSampleId :

WC-SOIL-20241219MS

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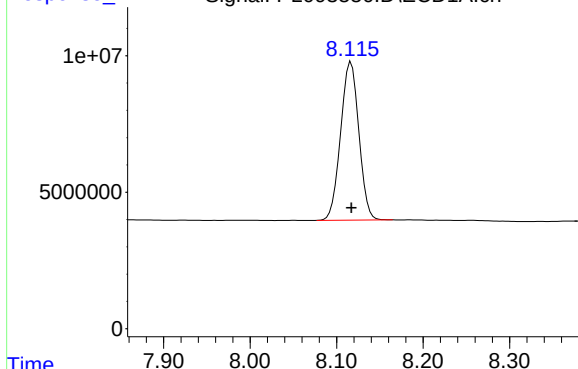
Response_ Signal: PL093550.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.840 min
Delta R.T.: -0.001 min
Response: 192628479
Conc: 52.91 ng/ml

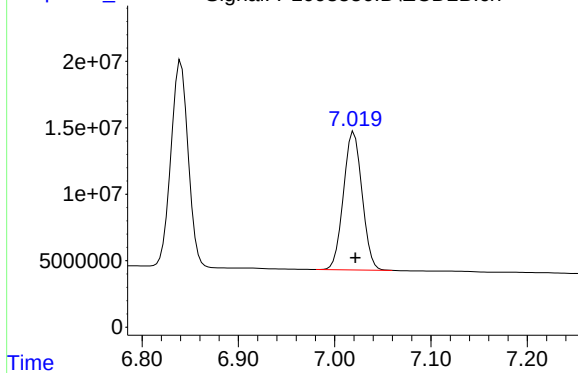
Response_ Signal: PL093550.D\ECD1A.ch



#22 Mirex

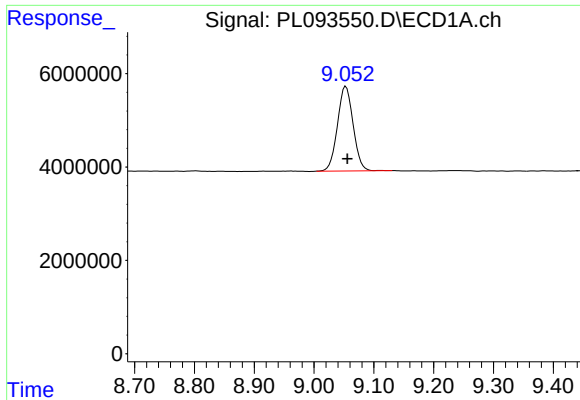
R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 84423088
Conc: 45.18 ng/ml

Response_ Signal: PL093550.D\ECD2B.ch



#22 Mirex

R.T.: 7.020 min
Delta R.T.: -0.002 min
Response: 139007969
Conc: 45.48 ng/ml



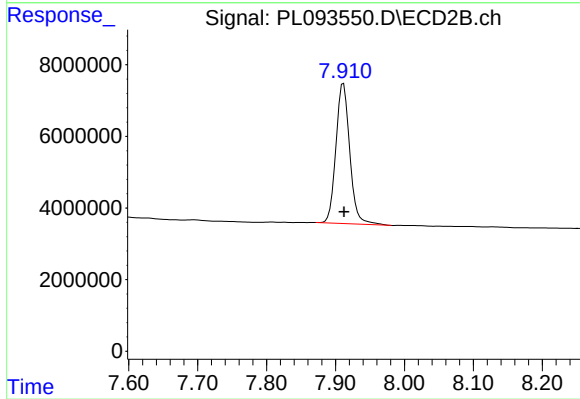
#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.002 min
Response: 33069193
Conc: 17.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS

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Supervised By :Ankita Jodhani 12/30/2024



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 54555546
Conc: 18.27 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/19/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/19/24
Client Sample ID:	WC-SOIL-20241219MSD	SDG No.:	P5380
Lab Sample ID:	P5362-02MSD	Matrix:	TCLP
Analytical Method:	SW8081	% 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
PL093551.D	1	12/27/24 11:00	12/27/24 17:40	PB165895

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
58-89-9	gamma-BHC (Lindane)	4.80		0.049	0.25	0.50	ug/L
76-44-8	Heptachlor	4.90		0.054	0.25	0.50	ug/L
1024-57-3	Heptachlor epoxide	4.80		0.090	0.25	0.50	ug/L
72-20-8	Endrin	4.90		0.043	0.10	0.50	ug/L
72-43-5	Methoxychlor	4.90		0.11	0.25	0.50	ug/L
8001-35-2	Toxaphene	5.00	U	1.50	5.00	10.0	ug/L
57-74-9	Chlordane	2.50	U	0.82	2.50	5.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	18.1		30 - 135		90%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		44 - 124		95%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
 Data File : PL093551.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Dec 2024 17:40
 Operator : AR\AJ
 Sample : P5362-02MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 WC-SOIL-20241219MSD

Manual Integrations
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 Supervised By :Ankita Jodhani 12/30/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 28 01:01:31 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 15:29:41 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.540	2.776	46818514	54956879	18.911	18.878
2)	SA Decachlor...	9.055	7.912	32488376	53908974	17.571	18.054
Target Compounds							
2)	A alpha-BHC	3.996	3.279	164.1E6	212.4E6	47.544	48.854
3)	MA gamma-BHC...	4.329	3.609	153.0E6	202.5E6	46.665	47.990
4)	MA Heptachlor	4.918	3.947	141.0E6	202.9E6	48.156	48.820
5)	MB Aldrin	5.259	4.227	132.1E6	191.4E6	45.414	46.649
6)	B beta-BHC	4.527	3.909	69095480	88309096	47.930	49.129
7)	B delta-BHC	4.774	4.137	153.2E6	204.0E6	50.020	48.238
8)	B Heptachlo...	5.685	4.729	124.5E6	182.7E6	47.254	47.726
9)	A Endosulfan I	6.071	5.099	112.9E6	174.5E6	47.862	49.949
10)	B gamma-Chl...	5.941	4.979	120.2E6	195.5E6	47.840	50.730
11)	B alpha-Chl...	6.020	5.043	121.1E6	189.9E6	48.393	49.884
12)	B 4,4'-DDE	6.194	5.232	110.3E6	186.3E6	49.172	50.670
13)	MA Dieldrin	6.346	5.363	120.4E6	192.1E6	48.247	49.850
14)	MA Endrin	6.574	5.639	96659966	162.2E6	44.907m	49.016
15)	B Endosulfa...	6.796	5.934	105.5E6	170.0E6	46.397	52.332
16)	A 4,4'-DDD	6.711	5.786	90032578	153.3E6	51.273	54.163
17)	MA 4,4'-DDT	7.024	6.037	93705248	152.1E6	50.692	50.375
18)	B Endrin al...	6.925	6.113	82126950	128.3E6	46.281	47.625
19)	B Endosulfa...	7.160	6.336	98633362	160.2E6	48.852	50.800
20)	A Methoxychlor	7.501	6.612	48422943	79591142	48.439	49.447
21)	B Endrin ke...	7.644	6.840	112.0E6	190.1E6	49.929	52.213
22)	Mirex	8.117	7.021	83958922	137.6E6	44.929	45.014

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
Data File : PL093551.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Dec 2024 17:40
Operator : AR\AJ
Sample : P5362-02MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

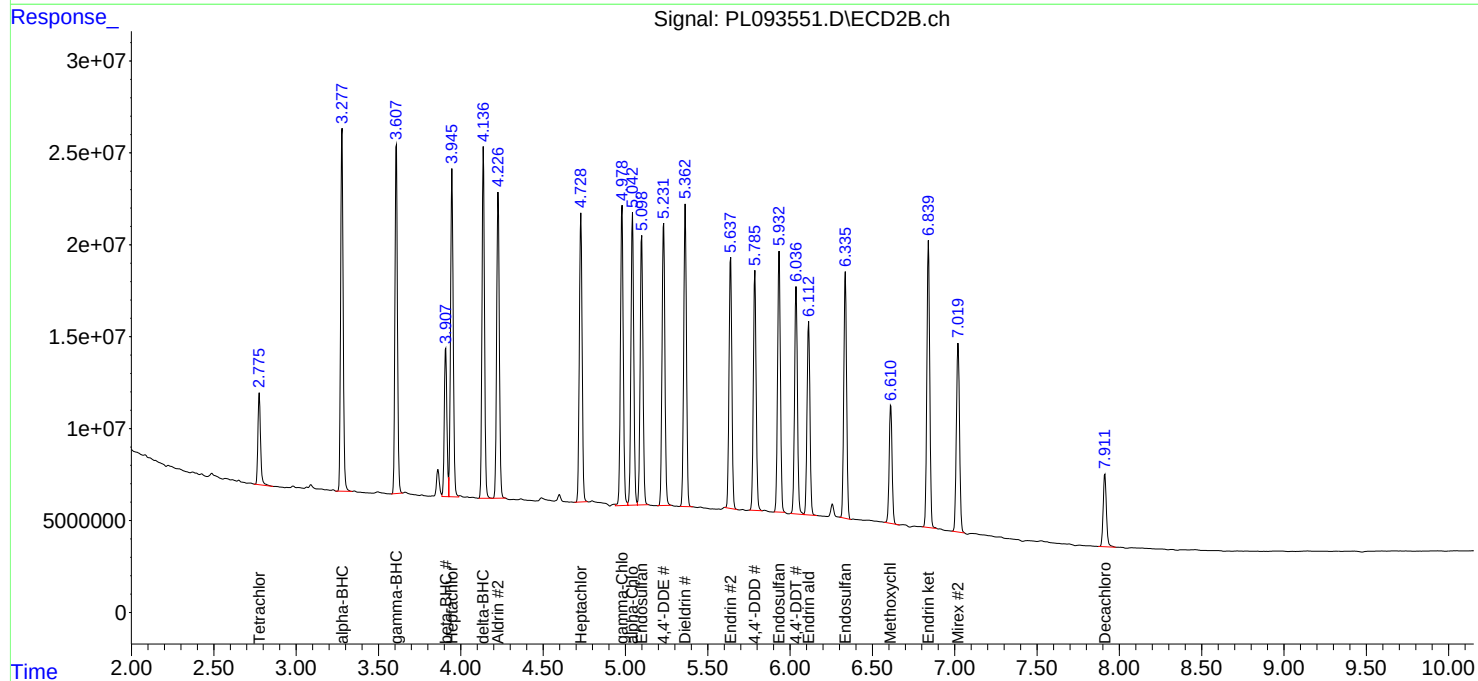
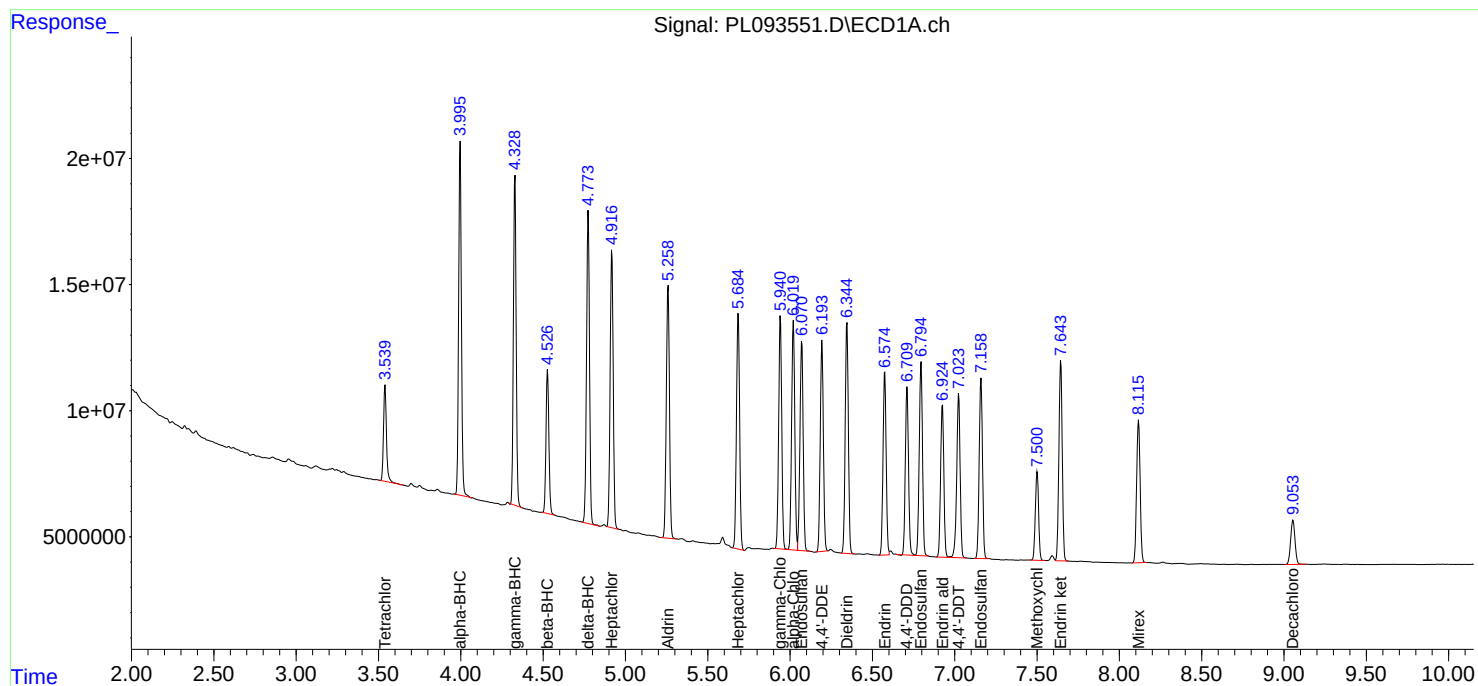
Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD

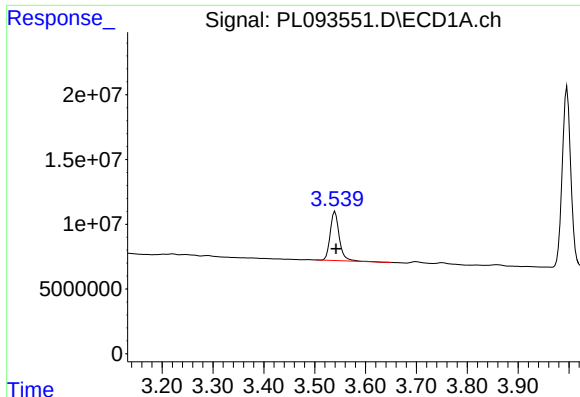
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 28 01:01:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-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.: 3.540 min
Delta R.T.: -0.002 min
Response: 46818514
Conc: 18.91 ng/ml

Instrument :

ECD_L

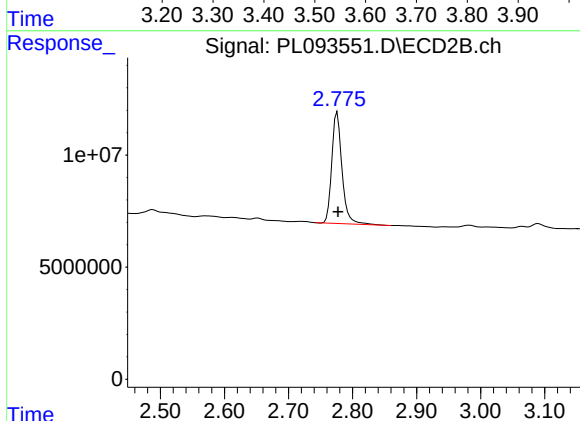
ClientSampleId :

WC-SOIL-20241219MSD

Manual Integrations

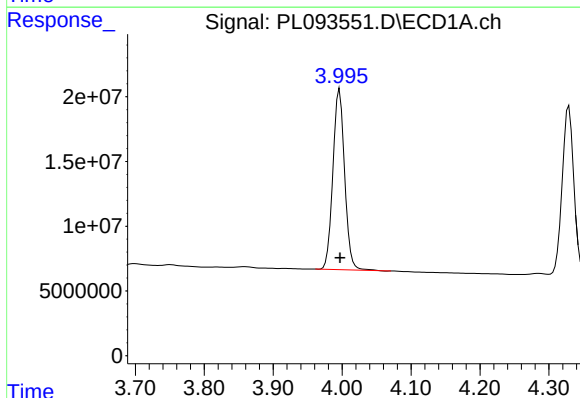
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



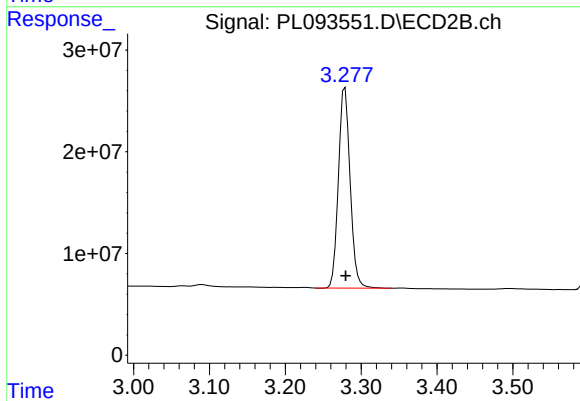
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.001 min
Response: 54956879
Conc: 18.88 ng/ml



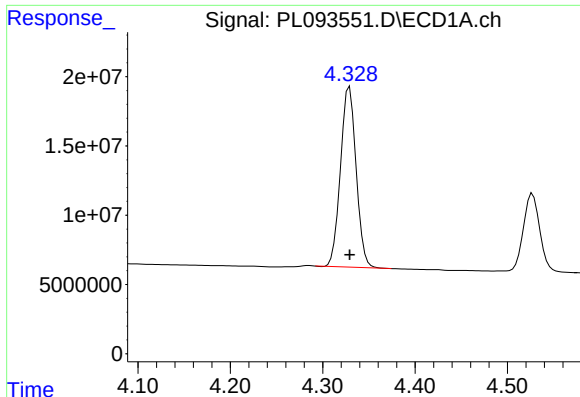
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 164140917
Conc: 47.54 ng/ml



#2 alpha-BHC

R.T.: 3.279 min
Delta R.T.: -0.001 min
Response: 212359453
Conc: 48.85 ng/ml



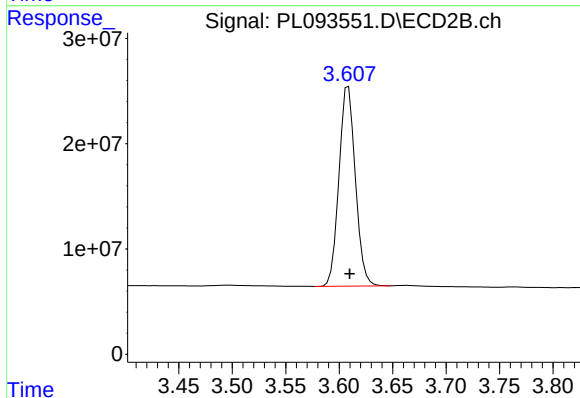
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 153035810
Conc: 46.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD

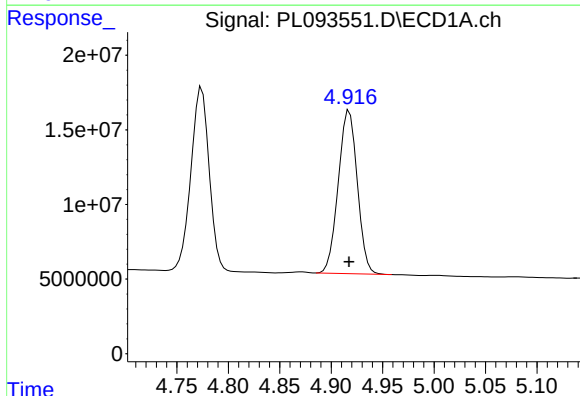
Manual Integrations
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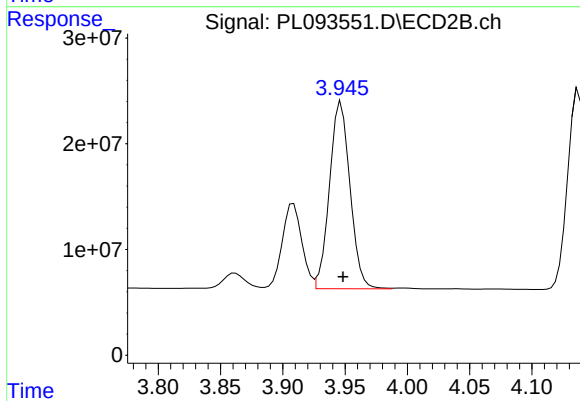
#3 gamma-BHC (Lindane)

R.T.: 3.609 min
Delta R.T.: -0.001 min
Response: 202486134
Conc: 47.99 ng/ml



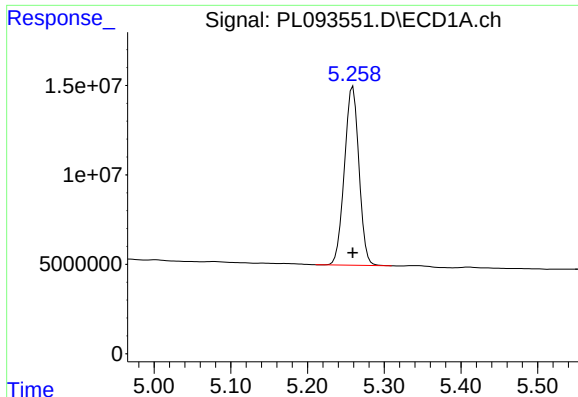
#4 Heptachlor

R.T.: 4.918 min
Delta R.T.: 0.000 min
Response: 141014823
Conc: 48.16 ng/ml



#4 Heptachlor

R.T.: 3.947 min
Delta R.T.: -0.001 min
Response: 202893828
Conc: 48.82 ng/ml



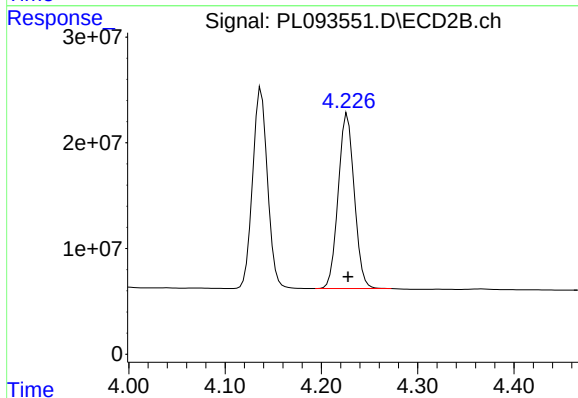
#5 Aldrin

R.T.: 5.259 min
Delta R.T.: 0.000 min
Response: 132103104
Conc: 45.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD

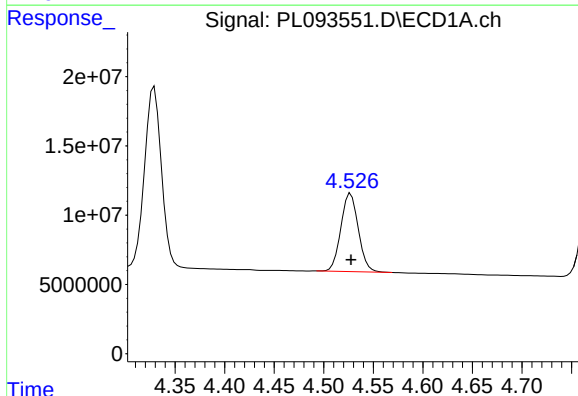
Manual Integrations
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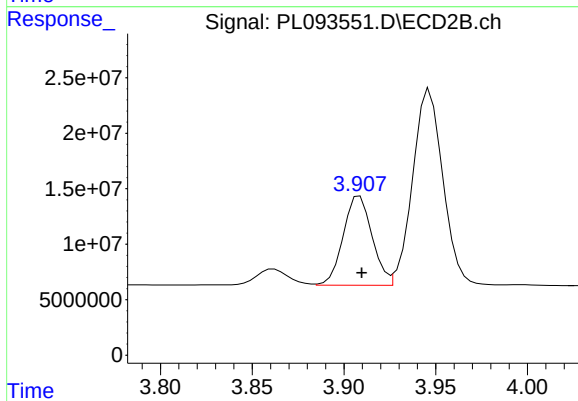
#5 Aldrin

R.T.: 4.227 min
Delta R.T.: 0.000 min
Response: 191366852
Conc: 46.65 ng/ml



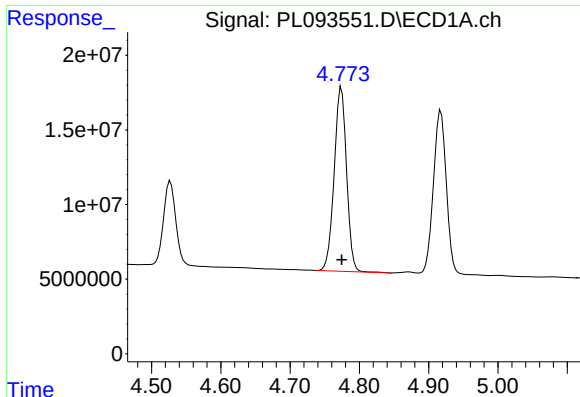
#6 beta-BHC

R.T.: 4.527 min
Delta R.T.: 0.000 min
Response: 69095480
Conc: 47.93 ng/ml



#6 beta-BHC

R.T.: 3.909 min
Delta R.T.: -0.001 min
Response: 88309096
Conc: 49.13 ng/ml



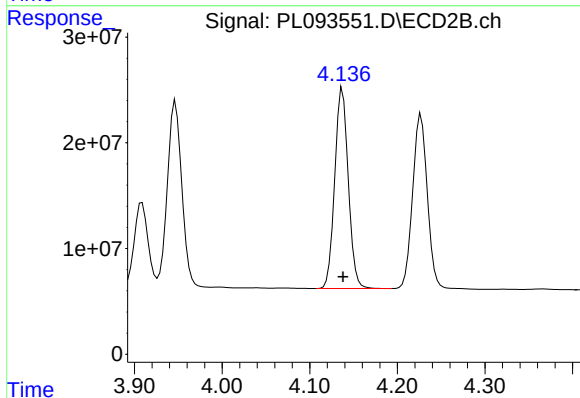
#7 delta-BHC

R.T.: 4.774 min
Delta R.T.: 0.000 min
Response: 153190715
Conc: 50.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD

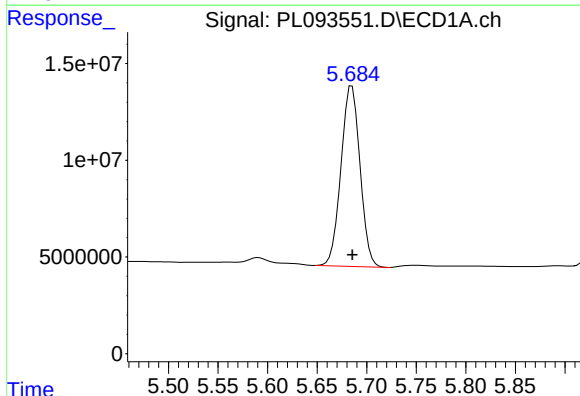
Manual Integrations
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Supervised By :Ankita Jodhani 12/30/2024



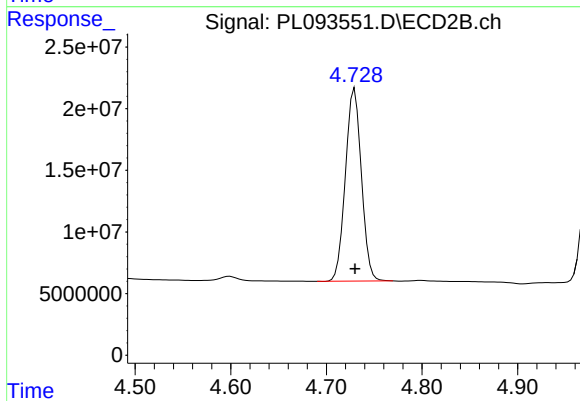
#7 delta-BHC

R.T.: 4.137 min
Delta R.T.: 0.000 min
Response: 203991827
Conc: 48.24 ng/ml



#8 Heptachlor epoxide

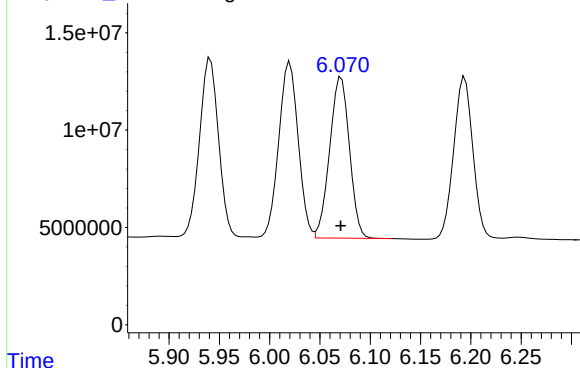
R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 124483071
Conc: 47.25 ng/ml



#8 Heptachlor epoxide

R.T.: 4.729 min
Delta R.T.: 0.000 min
Response: 182727419
Conc: 47.73 ng/ml

Response_ Signal: PL093551.D\ECD1A.ch



#9 Endosulfan I

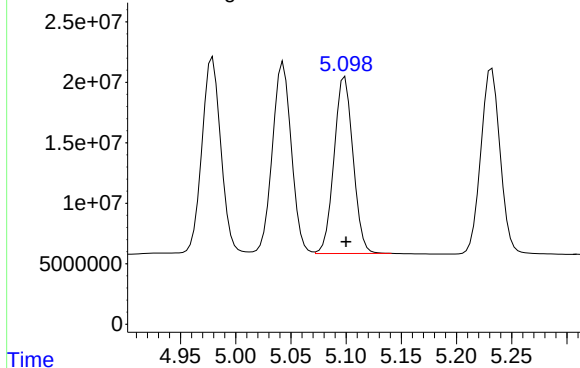
R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 112918743
Conc: 47.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD

Manual Integrations
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Supervised By :Ankita Jodhani 12/30/2024

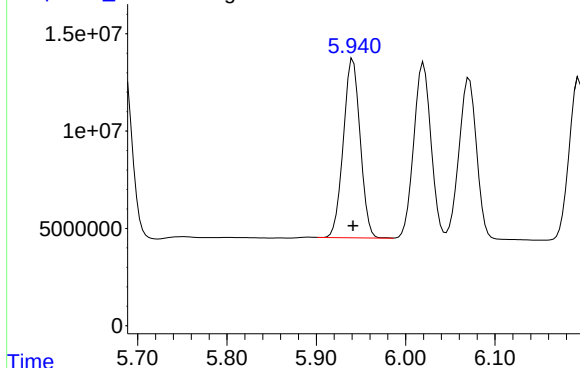
Time Response_ Signal: PL093551.D\ECD2B.ch



#9 Endosulfan I

R.T.: 5.099 min
Delta R.T.: -0.001 min
Response: 174517895
Conc: 49.95 ng/ml

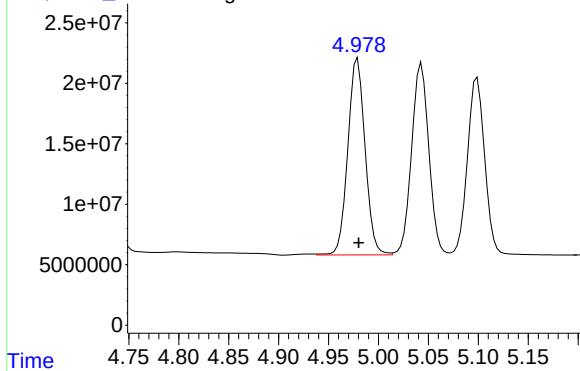
Time Response_ Signal: PL093551.D\ECD1A.ch



#10 gamma-Chlordane

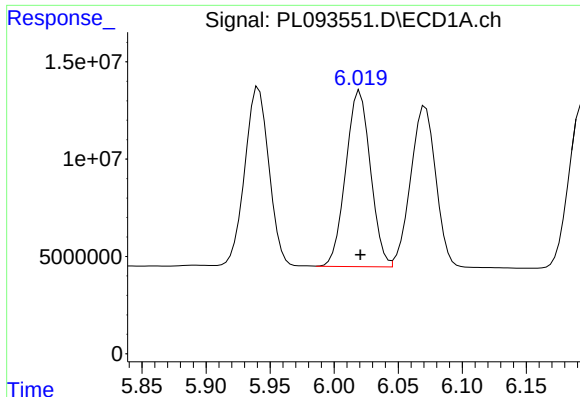
R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 120225480
Conc: 47.84 ng/ml

Time Response_ Signal: PL093551.D\ECD2B.ch



#10 gamma-Chlordane

R.T.: 4.979 min
Delta R.T.: -0.001 min
Response: 195463563
Conc: 50.73 ng/ml



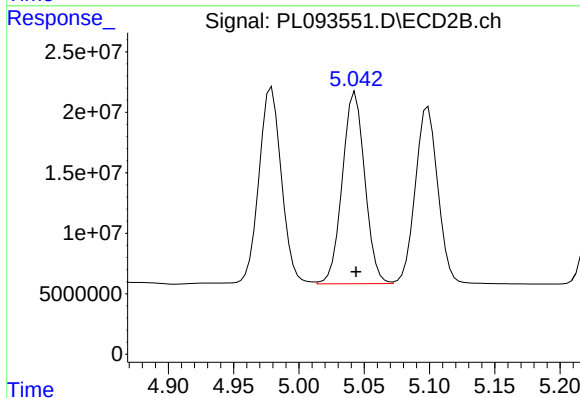
#11 alpha-Chlordane

R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 121124050
Conc: 48.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD

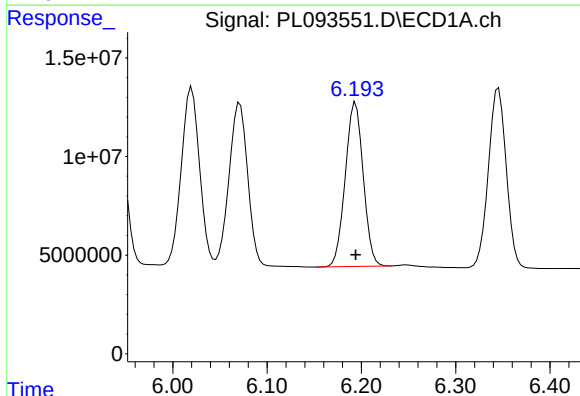
Manual Integrations
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Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



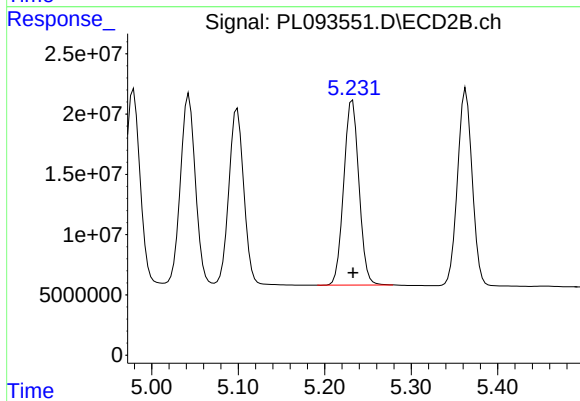
#11 alpha-Chlordane

R.T.: 5.043 min
Delta R.T.: 0.000 min
Response: 189927430
Conc: 49.88 ng/ml



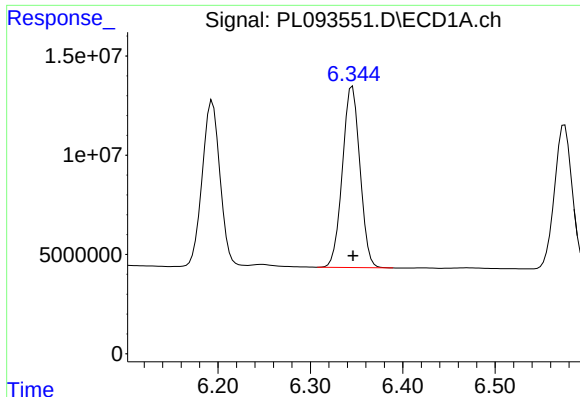
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 110333855
Conc: 49.17 ng/ml



#12 4,4'-DDE

R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 186326474
Conc: 50.67 ng/ml



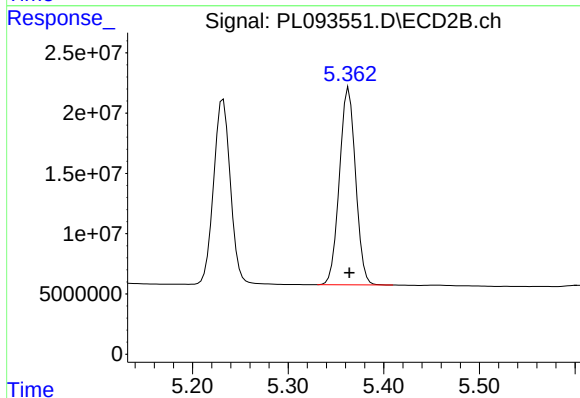
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 120381521
Conc: 48.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD

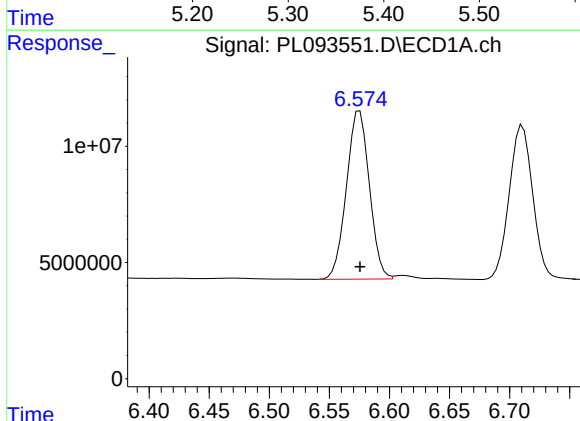
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



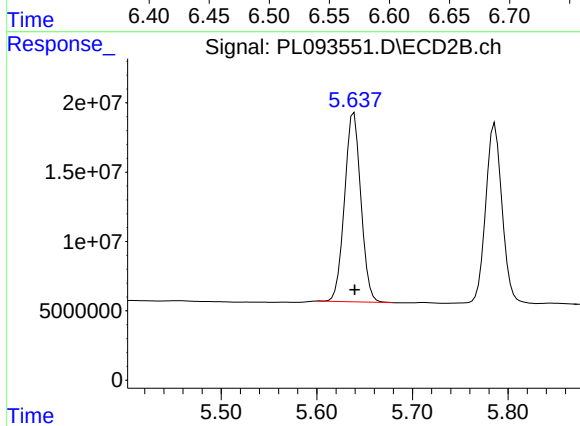
#13 Dieldrin

R.T.: 5.363 min
Delta R.T.: 0.000 min
Response: 192117729
Conc: 49.85 ng/ml



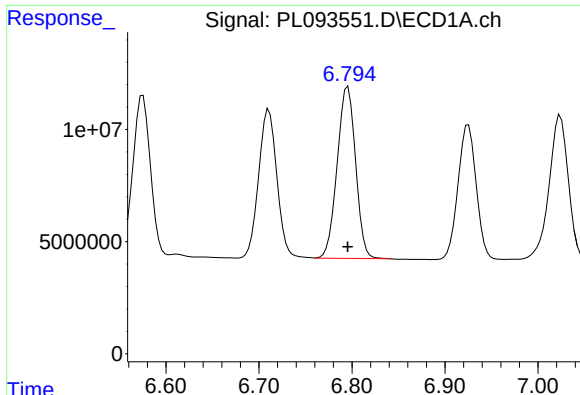
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.002 min
Response: 96659966
Conc: 44.91 ng/ml m



#14 Endrin

R.T.: 5.639 min
Delta R.T.: 0.000 min
Response: 162162082
Conc: 49.02 ng/ml



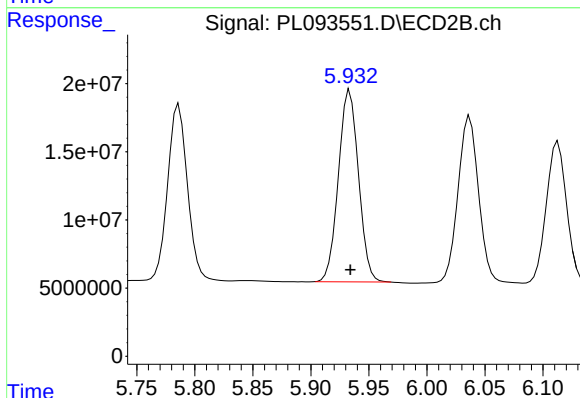
#15 Endosulfan II

R.T.: 6.796 min
Delta R.T.: 0.000 min
Response: 105471901
Conc: 46.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD

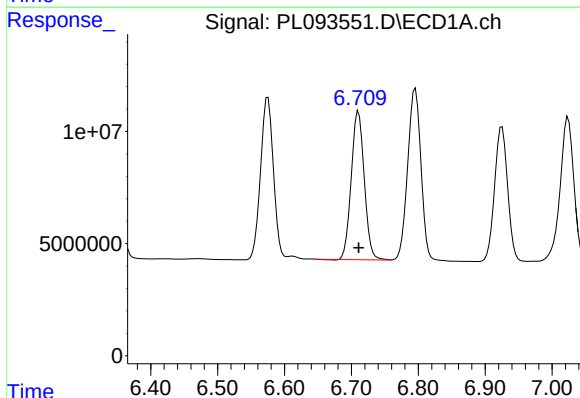
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



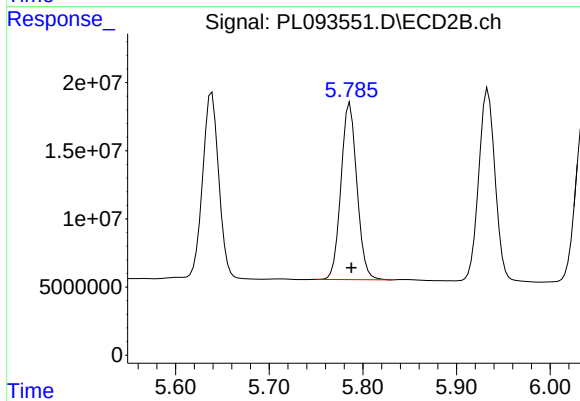
#15 Endosulfan II

R.T.: 5.934 min
Delta R.T.: 0.000 min
Response: 170024052
Conc: 52.33 ng/ml



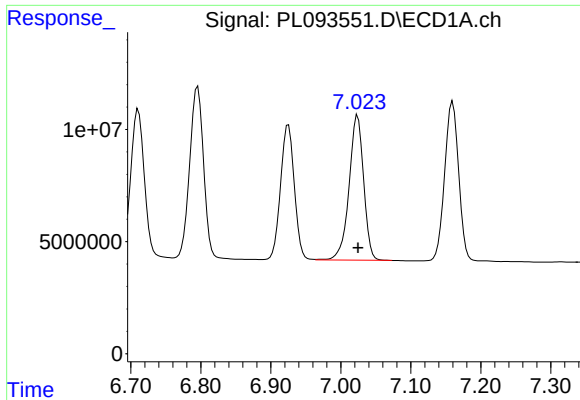
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.000 min
Response: 90032578
Conc: 51.27 ng/ml



#16 4,4'-DDD

R.T.: 5.786 min
Delta R.T.: -0.002 min
Response: 153289338
Conc: 54.16 ng/ml



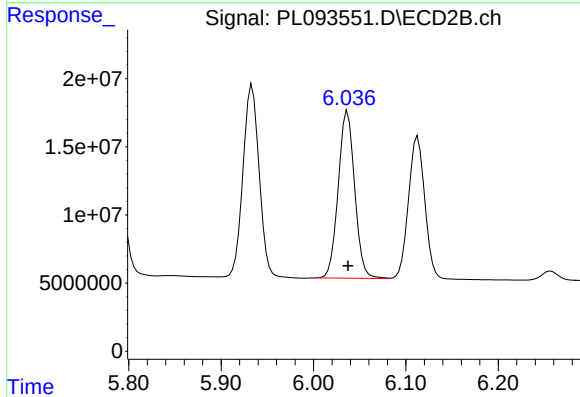
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 93705248
Conc: 50.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD

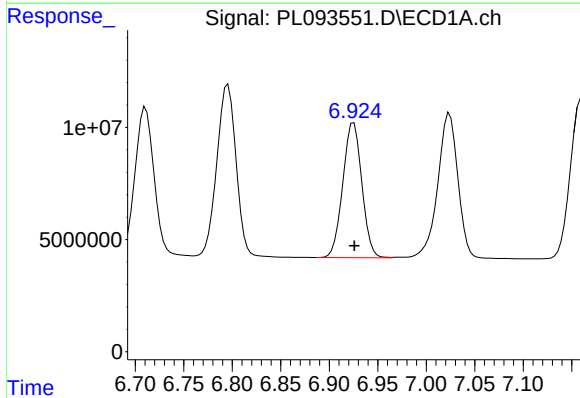
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



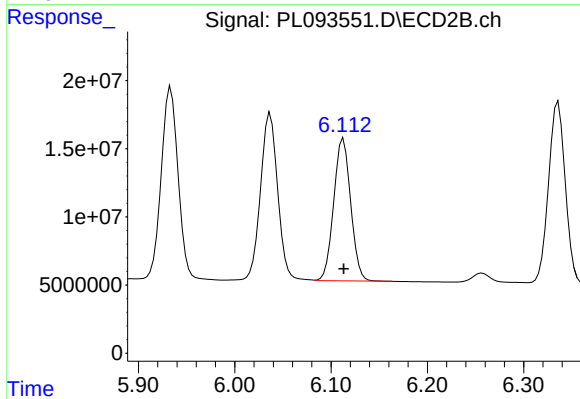
#17 4,4'-DDT

R.T.: 6.037 min
Delta R.T.: 0.000 min
Response: 152147773
Conc: 50.38 ng/ml



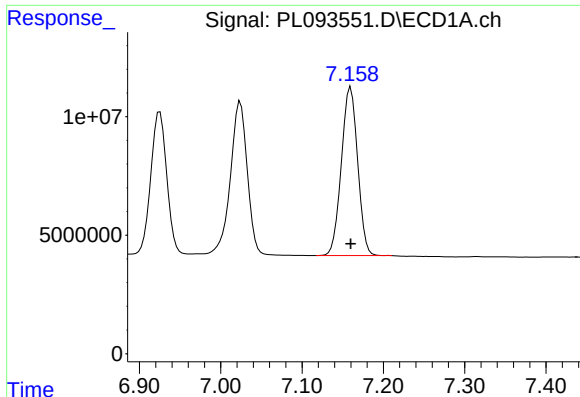
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.000 min
Response: 82126950
Conc: 46.28 ng/ml



#18 Endrin aldehyde

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 128257108
Conc: 47.62 ng/ml



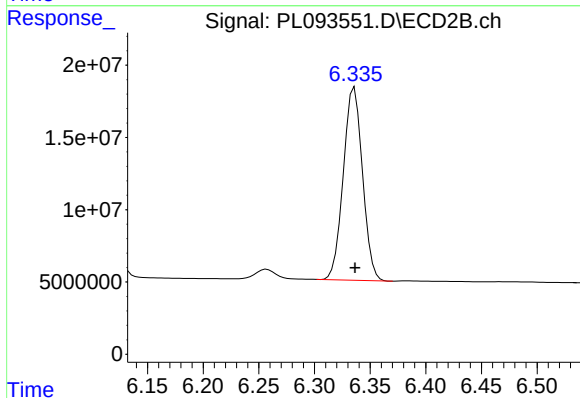
#19 Endosulfan Sulfate

R.T.: 7.160 min
Delta R.T.: 0.000 min
Response: 98633362
Conc: 48.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD

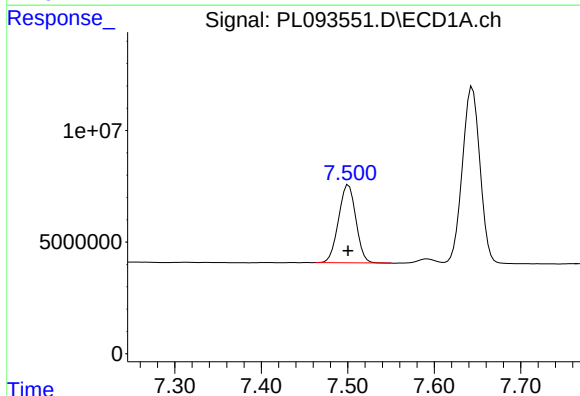
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



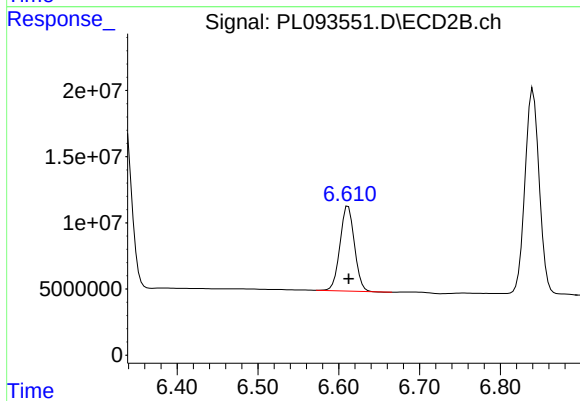
#19 Endosulfan Sulfate

R.T.: 6.336 min
Delta R.T.: 0.000 min
Response: 160244065
Conc: 50.80 ng/ml



#20 Methoxychlor

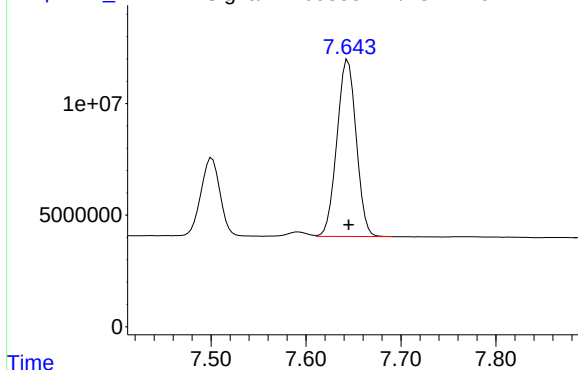
R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 48422943
Conc: 48.44 ng/ml



#20 Methoxychlor

R.T.: 6.612 min
Delta R.T.: 0.000 min
Response: 79591142
Conc: 49.45 ng/ml

Response_ Signal: PL093551.D\ECD1A.ch



#21 Endrin ketone

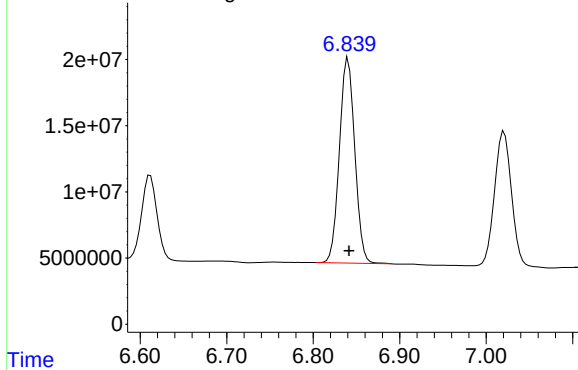
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 112033005
Conc: 49.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD

Manual Integrations
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Supervised By :Ankita Jodhani 12/30/2024

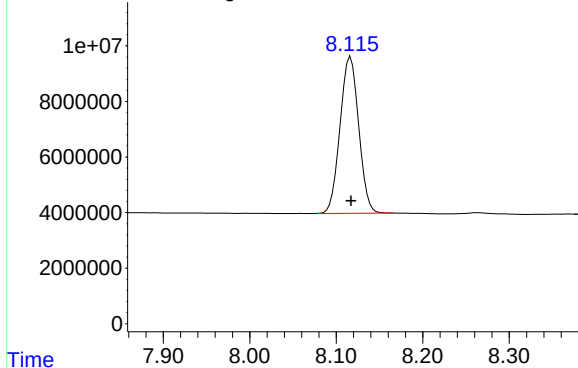
Response_ Signal: PL093551.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.840 min
Delta R.T.: -0.001 min
Response: 190074457
Conc: 52.21 ng/ml

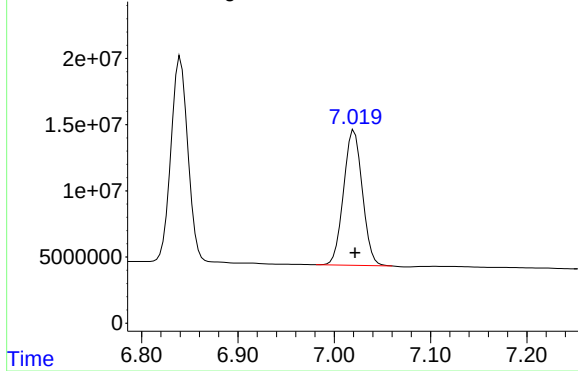
Response_ Signal: PL093551.D\ECD1A.ch



#22 Mirex

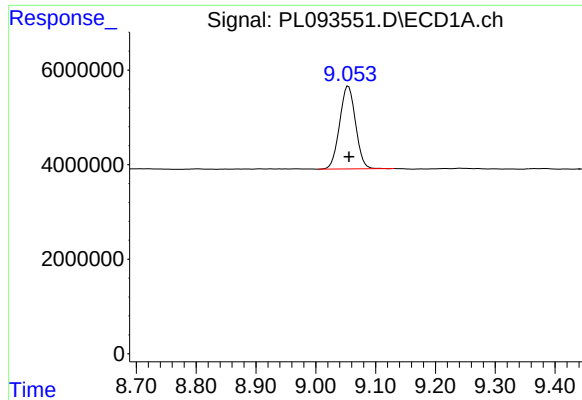
R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 83958922
Conc: 44.93 ng/ml

Response_ Signal: PL093551.D\ECD2B.ch



#22 Mirex

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 137585139
Conc: 45.01 ng/ml



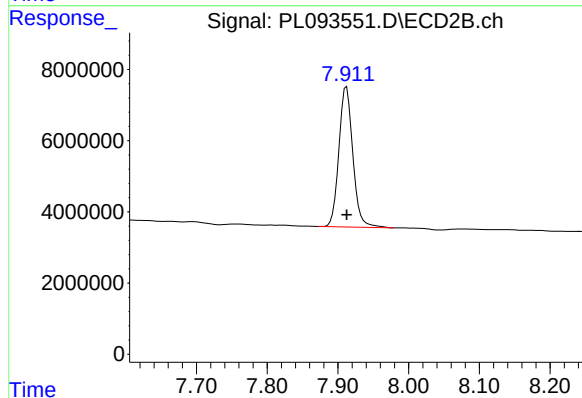
#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: -0.001 min
Response: 32488376
Conc: 17.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/30/2024
Supervised By :Ankita Jodhani 12/30/2024



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 53908974
Conc: 18.05 ng/ml

Manual Integration Report

Sequence:	PL122324	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL093482.D	4,4"-DDE	Abdul	12/26/2024 8:01:46 AM	Ankita	12/27/2024 7:53:56	Peak Integrated by Software
PEM	PL093482.D	4,4"-DDE #2	Abdul	12/26/2024 8:01:46 AM	Ankita	12/27/2024 7:53:56	Peak Integrated by Software
PEM	PL093482.D	Endrin ketone #2	Abdul	12/26/2024 8:01:46 AM	Ankita	12/27/2024 7:53:56	Peak Integrated by Software
PCHLORICV50 0	PL093500.D	Chlordane-1 #2	Abdul	12/26/2024 8:01:51 AM	Ankita	12/27/2024 7:53:58	Peak Integrated by Software
PEM	PL093503.D	Endrin	Abdul	12/26/2024 8:01:54 AM	Ankita	12/27/2024 7:54:00	Peak Integrated by Software

Manual Integration Report

Sequence:	pl122724	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL093529.D	4,4"-DDD	Abdul	12/30/2024 9:32:22 AM	Ankita	12/30/2024 9:52:01	Peak Integrated by Software
PEM	PL093529.D	4,4"-DDE	Abdul	12/30/2024 9:32:22 AM	Ankita	12/30/2024 9:52:01	Peak Integrated by Software
PEM	PL093529.D	4,4"-DDE #2	Abdul	12/30/2024 9:32:22 AM	Ankita	12/30/2024 9:52:01	Peak Integrated by Software
PEM	PL093529.D	Endrin	Abdul	12/30/2024 9:32:22 AM	Ankita	12/30/2024 9:52:01	Peak Integrated by Software
PSTDCCC050	PL093530.D	4,4"-DDD	Abdul	12/30/2024 9:32:25 AM	Ankita	12/30/2024 9:52:03	Peak Integrated by Software
PSTDCCC050	PL093530.D	Endrin	Abdul	12/30/2024 9:32:25 AM	Ankita	12/30/2024 9:52:03	Peak Integrated by Software
PSTDCCC050	PL093541.D	Endrin	Abdul	12/30/2024 9:32:53 AM	Ankita	12/30/2024 9:52:15	Peak Integrated by Software
PB165895BL	PL093546.D	Tetrachloro-m-xylene	Abdul	12/30/2024 9:33:09 AM	Ankita	12/30/2024 9:52:22	Peak Integrated by Software
PB165895BS	PL093547.D	Endrin	Abdul	12/30/2024 9:33:12 AM	Ankita	12/30/2024 9:52:24	Peak Integrated by Software
PB165895BS	PL093547.D	gamma-Chlordane #2	Abdul	12/30/2024 9:33:12 AM	Ankita	12/30/2024 9:52:24	Peak Integrated by Software
P5362-02MS	PL093550.D	Endrin	Abdul	12/30/2024 9:33:17 AM	Ankita	12/30/2024 9:52:25	Peak Integrated by Software
P5362-02MSD	PL093551.D	Endrin	Abdul	12/30/2024 9:33:21 AM	Ankita	12/30/2024 9:52:27	Peak Integrated by Software
P5380-02	PL093552.D	Tetrachloro-m-xylene	Abdul	12/30/2024 9:33:26 AM	Ankita	12/30/2024 9:52:29	Peak Integrated by Software



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

Manual Integration Report

Sequence:

pl122724

Instrument

ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL093554.D	Endrin	Abdul	12/30/2024 9:33:30 AM	Ankita	12/30/2024 9:52:31	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL122324

Review By	Abdul	Review On	12/26/2024 8:02:37 AM
Supervise By	Ankita	Supervise On	12/27/2024 7:54:20 AM
SubDirectory	PL122324	HP Acquire Method	HP Processing Method pl122324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL093480.D	23 Dec 2024 12:20	AR\AJ	Ok
2	I.BLK	PL093481.D	23 Dec 2024 12:34	AR\AJ	Ok
3	PEM	PL093482.D	23 Dec 2024 12:47	AR\AJ	Ok,M
4	RESCHK	PL093483.D	23 Dec 2024 13:01	AR\AJ	Ok
5	PSTDICC100	PL093484.D	23 Dec 2024 13:15	AR\AJ	Ok
6	PSTDICC075	PL093485.D	23 Dec 2024 13:28	AR\AJ	Ok
7	PSTDICC050	PL093486.D	23 Dec 2024 13:42	AR\AJ	Ok
8	PSTDICC025	PL093487.D	23 Dec 2024 13:55	AR\AJ	Ok
9	PSTDICC005	PL093488.D	23 Dec 2024 14:09	AR\AJ	Ok
10	PCHLORICC1000	PL093489.D	23 Dec 2024 14:23	AR\AJ	Ok
11	PCHLORICC750	PL093490.D	23 Dec 2024 14:36	AR\AJ	Ok
12	PCHLORICC500	PL093491.D	23 Dec 2024 14:50	AR\AJ	Ok
13	PCHLORICC250	PL093492.D	23 Dec 2024 15:03	AR\AJ	Ok
14	PCHLORICC050	PL093493.D	23 Dec 2024 15:17	AR\AJ	Ok
15	PTOXICC1000	PL093494.D	23 Dec 2024 15:30	AR\AJ	Ok
16	PTOXICC750	PL093495.D	23 Dec 2024 15:44	AR\AJ	Ok
17	PTOXICC500	PL093496.D	23 Dec 2024 15:58	AR\AJ	Ok
18	PTOXICC250	PL093497.D	23 Dec 2024 16:11	AR\AJ	Ok
19	PTOXICC100	PL093498.D	23 Dec 2024 16:25	AR\AJ	Ok
20	PSTDICV050	PL093499.D	23 Dec 2024 16:38	AR\AJ	Ok
21	PCHLORICV500	PL093500.D	23 Dec 2024 17:05	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL122324

Review By	Abdul	Review On	12/26/2024 8:02:37 AM
Supervise By	Ankita	Supervise On	12/27/2024 7:54:20 AM
SubDirectory	PL122324	HP Acquire Method	HP Processing Method pl122324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PL093501.D	23 Dec 2024 17:46	AR\AJ	Ok
23	I.BLK	PL093502.D	23 Dec 2024 18:00	AR\AJ	Ok
24	PEM	PL093503.D	23 Dec 2024 18:13	AR\AJ	Ok,M
25	PSTDCCC050	PL093504.D	23 Dec 2024 18:27	AR\AJ	Ok
26	PB165812BL	PL093505.D	23 Dec 2024 18:40	AR\AJ	Ok
27	PB165812BS	PL093506.D	23 Dec 2024 18:54	AR\AJ	Ok
28	P5318-01	PL093507.D	23 Dec 2024 19:07	AR\AJ	Ok,M
29	P5355-01	PL093508.D	23 Dec 2024 19:21	AR\AJ	Ok,M
30	P5355-01MS	PL093509.D	23 Dec 2024 19:34	AR\AJ	Ok,M
31	P5355-01MSD	PL093510.D	23 Dec 2024 19:47	AR\AJ	Ok,M
32	I.BLK	PL093511.D	23 Dec 2024 20:28	AR\AJ	Ok
33	PSTDCCC050	PL093512.D	23 Dec 2024 20:42	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL122724

Review By	Abdul	Review On	12/30/2024 9:33:55 AM
Supervise By	Ankita	Supervise On	12/30/2024 9:52:48 AM
SubDirectory	PL122724	HP Acquire Method	HP Processing Method pl122324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL093527.D	27 Dec 2024 09:49	AR\AJ	Ok
2	I.BLK	PL093528.D	27 Dec 2024 10:03	AR\AJ	Ok
3	PEM	PL093529.D	27 Dec 2024 10:16	AR\AJ	Ok,M
4	PSTDCCC050	PL093530.D	27 Dec 2024 10:30	AR\AJ	Ok,M
5	PB165871BL	PL093531.D	27 Dec 2024 11:49	AR\AJ	Ok
6	PB165871BS	PL093532.D	27 Dec 2024 12:02	AR\AJ	Ok
7	P5386-01	PL093533.D	27 Dec 2024 12:18	AR\AJ	Ok,M
8	P5386-03	PL093534.D	27 Dec 2024 12:31	AR\AJ	Ok,M
9	I.BLK	PL093535.D	27 Dec 2024 12:45	AR\AJ	Ok
10	PSTDCCC050	PL093536.D	27 Dec 2024 12:58	AR\AJ	Ok
11	P5387-01	PL093537.D	27 Dec 2024 13:11	AR\AJ	Ok,M
12	P5387-01MS	PL093538.D	27 Dec 2024 13:25	AR\AJ	Ok,M
13	P5387-01MSD	PL093539.D	27 Dec 2024 13:38	AR\AJ	Ok,M
14	I.BLK	PL093540.D	27 Dec 2024 14:18	AR\AJ	Ok
15	PSTDCCC050	PL093541.D	27 Dec 2024 14:32	AR\AJ	Ok,M
16	PB165877BL	PL093542.D	27 Dec 2024 15:39	AR\AJ	Ok
17	PB165877BS	PL093543.D	27 Dec 2024 15:53	AR\AJ	Ok,M
18	PB165877BSD	PL093544.D	27 Dec 2024 16:06	AR\AJ	Ok,M
19	P5386-05	PL093545.D	27 Dec 2024 16:20	AR\AJ	Not Ok
20	PB165895BL	PL093546.D	27 Dec 2024 16:33	AR\AJ	Ok,M
21	PB165895BS	PL093547.D	27 Dec 2024 16:47	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL122724

Review By	Abdul	Review On	12/30/2024 9:33:55 AM
Supervise By	Ankita	Supervise On	12/30/2024 9:52:48 AM
SubDirectory	PL122724	HP Acquire Method	HP Processing Method pl122324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PB165858TB	PL093548.D	27 Dec 2024 17:00	AR\AJ	Ok
23	P5362-02	PL093549.D	27 Dec 2024 17:14	AR\AJ	Ok
24	P5362-02MS	PL093550.D	27 Dec 2024 17:27	AR\AJ	Ok,M
25	P5362-02MSD	PL093551.D	27 Dec 2024 17:40	AR\AJ	Ok,M
26	P5380-02	PL093552.D	27 Dec 2024 17:54	AR\AJ	Ok,M
27	I.BLK	PL093553.D	27 Dec 2024 18:08	AR\AJ	Ok
28	PSTDCCC050	PL093554.D	27 Dec 2024 18:21	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL122324

Review By	Abdul	Review On	12/26/2024 8:02:37 AM
Supervise By	Ankita	Supervise On	12/27/2024 7:54:20 AM
SubDirectory	PL122324	HP Acquire Method	HP Processing Method pl122324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL093480.D	23 Dec 2024 12:20		AR\AJ	Ok
2	I.BLK	I.BLK	PL093481.D	23 Dec 2024 12:34		AR\AJ	Ok
3	PEM	PEM	PL093482.D	23 Dec 2024 12:47		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL093483.D	23 Dec 2024 13:01		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL093484.D	23 Dec 2024 13:15		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL093485.D	23 Dec 2024 13:28		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL093486.D	23 Dec 2024 13:42		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL093487.D	23 Dec 2024 13:55		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL093488.D	23 Dec 2024 14:09		AR\AJ	Ok
10	PCHLORICC1000	PCHLORICC1000	PL093489.D	23 Dec 2024 14:23		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL093490.D	23 Dec 2024 14:36		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL093491.D	23 Dec 2024 14:50		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL093492.D	23 Dec 2024 15:03		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL093493.D	23 Dec 2024 15:17		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL093494.D	23 Dec 2024 15:30		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL093495.D	23 Dec 2024 15:44		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL093496.D	23 Dec 2024 15:58		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL093497.D	23 Dec 2024 16:11		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL122324

Review By	Abdul	Review On	12/26/2024 8:02:37 AM
Supervise By	Ankita	Supervise On	12/27/2024 7:54:20 AM
SubDirectory	PL122324	HP Acquire Method	HP Processing Method pl122324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PL093498.D	23 Dec 2024 16:25		AR\AJ	Ok
20	PSTDICV050	ICVPL122324	PL093499.D	23 Dec 2024 16:38		AR\AJ	Ok
21	PCHLORICV500	ICVPL122324CHLOR	PL093500.D	23 Dec 2024 17:05		AR\AJ	Ok,M
22	PTOXICV500	ICVPL122324TOX	PL093501.D	23 Dec 2024 17:46		AR\AJ	Ok
23	I.BLK	I.BLK	PL093502.D	23 Dec 2024 18:00		AR\AJ	Ok
24	PEM	PEM	PL093503.D	23 Dec 2024 18:13		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL093504.D	23 Dec 2024 18:27		AR\AJ	Ok
26	PB165812BL	PB165812BL	PL093505.D	23 Dec 2024 18:40		AR\AJ	Ok
27	PB165812BS	PB165812BS	PL093506.D	23 Dec 2024 18:54		AR\AJ	Ok
28	P5318-01	AU-06-122024	PL093507.D	23 Dec 2024 19:07		AR\AJ	Ok,M
29	P5355-01	RBR251688	PL093508.D	23 Dec 2024 19:21		AR\AJ	Ok,M
30	P5355-01MS	RBR251688MS	PL093509.D	23 Dec 2024 19:34		AR\AJ	Ok,M
31	P5355-01MSD	RBR251688MSD	PL093510.D	23 Dec 2024 19:47		AR\AJ	Ok,M
32	I.BLK	I.BLK	PL093511.D	23 Dec 2024 20:28		AR\AJ	Ok
33	PSTDCCC050	PSTDCCC050	PL093512.D	23 Dec 2024 20:42		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL122724

Review By	Abdul	Review On	12/30/2024 9:33:55 AM
Supervise By	Ankita	Supervise On	12/30/2024 9:52:48 AM
SubDirectory	PL122724	HP Acquire Method	HP Processing Method pl122324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL093527.D	27 Dec 2024 09:49		AR\AJ	Ok
2	I.BLK	I.BLK	PL093528.D	27 Dec 2024 10:03		AR\AJ	Ok
3	PEM	PEM	PL093529.D	27 Dec 2024 10:16		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL093530.D	27 Dec 2024 10:30		AR\AJ	Ok,M
5	PB165871BL	PB165871BL	PL093531.D	27 Dec 2024 11:49		AR\AJ	Ok
6	PB165871BS	PB165871BS	PL093532.D	27 Dec 2024 12:02		AR\AJ	Ok
7	P5386-01	MOO-24-00398	PL093533.D	27 Dec 2024 12:18		AR\AJ	Ok,M
8	P5386-03	MOO-24-00395-96	PL093534.D	27 Dec 2024 12:31		AR\AJ	Ok,M
9	I.BLK	I.BLK	PL093535.D	27 Dec 2024 12:45		AR\AJ	Ok
10	PSTDCCC050	PSTDCCC050	PL093536.D	27 Dec 2024 12:58		AR\AJ	Ok
11	P5387-01	TR-05-122624	PL093537.D	27 Dec 2024 13:11		AR\AJ	Ok,M
12	P5387-01MS	TR-05-122624MS	PL093538.D	27 Dec 2024 13:25		AR\AJ	Ok,M
13	P5387-01MSD	TR-05-122624MSD	PL093539.D	27 Dec 2024 13:38		AR\AJ	Ok,M
14	I.BLK	I.BLK	PL093540.D	27 Dec 2024 14:18		AR\AJ	Ok
15	PSTDCCC050	PSTDCCC050	PL093541.D	27 Dec 2024 14:32		AR\AJ	Ok,M
16	PB165877BL	PB165877BL	PL093542.D	27 Dec 2024 15:39		AR\AJ	Ok
17	PB165877BS	PB165877BS	PL093543.D	27 Dec 2024 15:53		AR\AJ	Ok,M
18	PB165877BSD	PB165877BSD	PL093544.D	27 Dec 2024 16:06		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL122724

Review By	Abdul	Review On	12/30/2024 9:33:55 AM
Supervise By	Ankita	Supervise On	12/30/2024 9:52:48 AM
SubDirectory	PL122724	HP Acquire Method	HP Processing Method pl122324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23793,PP24095		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	P5386-05	MOO-24-00397	PL093545.D	27 Dec 2024 16:20	TCMX LOW IN BOTH COLUMN , DCB LOW IN 2nd COLUMN	AR\AJ	Not Ok
20	PB165895BL	PB165895BL	PL093546.D	27 Dec 2024 16:33		AR\AJ	Ok,M
21	PB165895BS	PB165895BS	PL093547.D	27 Dec 2024 16:47		AR\AJ	Ok,M
22	PB165858TB	PB165858TB	PL093548.D	27 Dec 2024 17:00		AR\AJ	Ok
23	P5362-02	WC-SOIL-20241219	PL093549.D	27 Dec 2024 17:14		AR\AJ	Ok
24	P5362-02MS	WC-SOIL-20241219MS	PL093550.D	27 Dec 2024 17:27		AR\AJ	Ok,M
25	P5362-02MSD	WC-SOIL-20241219MS	PL093551.D	27 Dec 2024 17:40		AR\AJ	Ok,M
26	P5380-02	TAPIAL3-IDW-SOIL-12	PL093552.D	27 Dec 2024 17:54		AR\AJ	Ok,M
27	I.BLK	I.BLK	PL093553.D	27 Dec 2024 18:08		AR\AJ	Ok
28	PSTDCCC050	PSTDCCC050	PL093554.D	27 Dec 2024 18:21		AR\AJ	Ok,M

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 : WC
Tumbler ID : T-1
TCLP Filter ID : 114771

Start Prep Date : 12/26/2024 **Time :** 16:00
End Prep Date : 12/27/2024 **Time :** 10:15
Combination Ratio : 20
ZHE Cleaning Batch : N/A
Initial Room Temperature: 22 °C
Final Room Temperature: 21 °C
TCLP Technician Signature : *JP*
Supervisor By : 12

Standardized 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	WP110801
HCL-TCLP,1N	N/A	WP110803
HNO3-TCLP,1N	N/A	WP110804
pH Strips	N/A	W1931,W1934,W2350,W2755
pH Strips	N/A	W1937,W1938,W1939,W1940,W1941,W1942
1 Liter Amber	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP83122

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. Tumbler T-1 checked,30 rpm. p5386-04 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/27/24 10:00	<i>JP</i>	<i>Sig.</i>
10:30	Preparation Group	Analysis Group

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
P5342-08	CHRT26634	01	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
P5342-09	HT2651	02	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
P5362-02	WC-SOIL-20241219	03	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	04	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
P5386-02	MOO-24-00398	05	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
P5386-04	MOO-24-00395-96	06	100.01	2000	N/A	N/A	N/A	4.5	1.5	T-1
PB165858TB	LEB858	07	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P5342-08	CHRT26634	N/A	N/A	N/A	N/A	100	N/A
P5342-09	HT2651	N/A	N/A	N/A	N/A	100	N/A
P5362-02	WC-SOIL-20241219	N/A	N/A	N/A	N/A	100	N/A
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	N/A	N/A	N/A	N/A	100	N/A
P5386-02	MOO-24-00398	N/A	N/A	N/A	N/A	100	N/A
P5386-04	MOO-24-00395-96	N/A	N/A	N/A	N/A	100	N/A
PB165858TB	LEB858	N/A	N/A	N/A	N/A	N/A	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
P5342-08	CHRT26634	5.02	96.5	6.6	2.5	#1	4.93
P5342-09	HT2651	5.03	96.5	6.2	2.5	#1	4.93
P5362-02	WC-SOIL-20241219	5.02	96.5	7.6	3.0	#1	4.93
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	5.01	96.5	10.5	4.0	#1	4.93
P5386-02	MOO-24-00398	5.02	96.5	6.8	2.5	#1	4.93
P5386-04	MOO-24-00395-96	5.00	96.5	7.0	2.5	#1	4.93
PB165858TB	LEB858	N/A	N/A	N/A	N/A	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tcip p5380

WorkList ID : 186583

Department : TCLP Extraction

Date : 12-26-2024 07:38:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5342-08	CHRT26634	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N12	12/18/2024	1311
P5342-09	HT2651	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N12	12/18/2024	1311
P5362-02	WC-SOIL-20241219	Solid	TCLP Extraction	Cool 4 deg C	PARS02	N21	12/19/2024	1311
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	Solid	TCLP Extraction	Cool 4 deg C	WEST04	N31	12/20/2024	1311
P5386-02	MOO-24-00398	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N31	12/26/2024	1311
P5386-04	MOO-24-00395-96	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N31	12/26/2024	1311

Date/Time 12/26/24 15:30
 Raw Sample Received by: JB WEC,
 Raw Sample Relinquished by: JB WEC

Date/Time 12/26/24 17:30
 Raw Sample Received by: JB WEC
 Raw Sample Relinquished by: JB WEC

SOP ID: M3510C,3580A-Extraction Pesticide-16

Clean Up SOP #: N/A

Matrix : Water

Weigh By: RJ

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 12/27/2024

Extraction Start Time : 11:00

Extraction End Date : 12/27/2024

Extraction End Time : 15:55

Concentration By: EH

Supervisor By : rajesh

Extraction Method: ☒ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standarded Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP23928
Surrogate	1.0ML	200 PPB	PP23985
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
Hexane	N/A	E3847
Baked Na2SO4	N/A	EP2573
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/27/24	Rp (Ext. Lab)	Rp (Ext. Lab)
16:00	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction Pesticide-16

Concentration Date: 12/27/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165858TB	PB165858TB	TCLP Pesticide	100	6	ritesh	rajesh	10			SEP-01
PB165895BL	PBLK895	TCLP Pesticide	1000	6	ritesh	rajesh	10			2
PB165895BS	PLCS895	TCLP Pesticide	1000	6	ritesh	rajesh	10			3
P5362-02	WC-SOIL-20241219	TCLP Pesticide	100	6	ritesh	rajesh	10	A		4
P5362-02MS	WC-SOIL-20241219MS	TCLP Pesticide	100	6	ritesh	rajesh	10	A		5
P5362-02MS D	WC-SOIL-20241219MSD	TCLP Pesticide	100	6	ritesh	rajesh	10	A		6
P5380-02	TAPIAL3-IDW-SOIL-1220 24-T1	TCLP Pesticide	100	6	ritesh	rajesh	10	A		7

* Extracts relinquished on the same date as received.

[Signature]
12/27/24

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
P5342-08	CHRT26634	01	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
P5342-09	HT2651	02	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
P5362-02	WC-SOIL-20241219	03	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	04	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
P5386-02	MOO-24-00398	05	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
P5386-04	MOO-24-00395-96	06	100.01	2000	N/A	N/A	N/A	4.5	1.5	T-1
PB165858TB	LEB858	07	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1

12/27/24

10:00

Prep Standard - Chemical Standard Summary

Order ID : P5380

Test : TCLP Pesticide

Prepbatch ID : PB165895,

Sequence ID/Qc Batch ID: pl122724,

Standard ID :

EP2573,PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683,P
P23686,PP23687,PP23690,PP23693,PP23695,PP23698,PP23733,PP23793,PP23928,PP23985,PP24095,

Chemical ID :

E3551,E3792,E3805,E3818,E3827,E3847,P11146,P11896,P13036,P13039,P13245,P13349,P13350,P13352,P13359,P
13402,



<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	EP2573	12/16/2024	06/16/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 12/16/2024
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>
84	Pest/PCB Surrogate Stock 20 PPM	PP23673	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024
<u>FROM</u>	1.00000ml of P13349 + 9.00000ml of E3792 = 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>
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP23674	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 1.00000ml of P13036 + 9.00000ml of E3792 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1472	20 PPM Pest Stock Solution 2nd Source	PP23675	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 1.00000ml of P13039 + 9.00000ml of E3792 = Final Quantity: 10.000 ml



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

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

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



<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)	PP23678	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024
<u>FROM</u> 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23674 + 0.50000ml of PP23676 = 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>
80	100/100 PPB Pesticide Working Solution 2nd Source	PP23679	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024
<u>FROM</u> 98.50000ml of E3792 + 0.50000ml of PP23673 + 0.50000ml of PP23675 + 0.50000ml of PP23677 = 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>
386	1000/100 PPB Chlordane STD (Restek)	PP23680	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP23681	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.10000ml of P11896 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
383	1000/100 PPB Toxaphene STD (Restek)	PP23682	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.10000ml of P13359 + 99.40000ml of E3792 + 0.50000ml of PP23673 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP23683	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.10000ml of P13402 + 99.40000ml of E3792 + 0.50000ml of PP23673 = 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>
3632	50 PPB ICAL PEST STD(RESTEK)	PP23686	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23678 = 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)	PP23687	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23679 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
529	CHLOR 500 PPB STD	PP23690	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23680 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
532	CHLOR 500 PPB ICV STD	PP23693	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23681 = 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	PP23695	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23682 = 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)	PP23698	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.50000ml of E3792 + 0.50000ml of PP23683 = 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>
84	Pest/PCB Surrogate Stock 20 PPM	PP23733	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 1.00000ml of P13350 + 9.00000ml of E3805 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
518	Pest/PCB I.BLK 20 PPB	PP23793	10/03/2024	03/30/2025	Ankita Jodhani	None	None	Yogesh Patel
								10/03/2024

FROM 99.90000ml of E3805 + 0.10000ml of PP23733 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
79	500 PPB Pesticide Spike Solution	PP23928	10/30/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/30/2024

FROM 95.00000ml of E3818 + 2.50000ml of PP23675 + 2.50000ml of PP23677 = 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	PP23985	11/15/2024	05/08/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/18/2024

FROM 1.00000ml of P13352 + 999.00000ml of E3827 = Final Quantity: 1000.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4027	Pesticide resolution Check Mixture 8081	PP24095	12/23/2024	06/16/2025	Abdul Mirza	None	None	Ankita Jodhani 12/30/2024
<u>FROM</u> 1.00000ml of P13245 + 99.00000ml of E3847 = Final Quantity: 100.000 ml								

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 #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	03/11/2025	09/12/2024 / Rajesh	09/11/2024 / Rajesh	E3792

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)	24C1862008	03/30/2025	09/30/2024 / Rajesh	09/25/2024 / Rajesh	E3805

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	04/23/2025	10/23/2024 / Rajesh	10/09/2024 / Rajesh	E3818

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/08/2025	11/08/2024 / Rajesh	11/07/2024 / Rajesh	E3827

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	102821	03/21/2025	09/21/2024 / Abdul	10/29/2021 / Abdul	P11146

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0181737	03/21/2025	09/21/2024 / Abdul	06/17/2022 / Abdul	P11896

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	03/21/2025	09/21/2024 / Abdul	12/26/2023 / Abdul	P13036

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	03/21/2025	09/21/2024 / Abdul	12/26/2023 / Abdul	P13039

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	03/21/2025	09/21/2024 / Abdul	04/22/2024 / Abdul	P13349

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	A0206810	04/03/2025	10/03/2024 / Ankita	04/22/2024 / Abdul	P13350

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	05/15/2025	11/15/2024 / Ankita	04/22/2024 / Abdul	P13352

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203830	03/21/2025	09/21/2024 / Abdul	05/03/2024 / Abdul	P13359

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	03/21/2025	09/21/2024 / Abdul	05/15/2024 / Abdul	P13402



**PRODUCTOS
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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

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	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	0.4 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 09/11/24

E 3192

Jamie Croak
Director Quality Operations, Bioscience Production

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

Avantor™



Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	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	0.4 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 9/25/24

E 3805

Jamie Croak
Director Quality Operations, Bioscience Production

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 forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
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 HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 10/9/24

E 3818

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

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3827

Rec'd by RS on ~~11/8/24~~ 11/7/24
RS
11/7

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 U.S.

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 12/13/24

E3847



Jamie Croak
Director Quality Operations, Bioscience Production



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



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.: A0181737
Description: Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: May 31, 2028 Storage: 10°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Chlordane CAS # 57-74-9 (Lot 978545) Purity ----%	1,006.0 µg/mL	+/- 5.9753 µg/mL Gravimetric +/- 31.8975 µg/mL Unstressed +/- 41.6615 µg/mL Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

P 11892
↓
P 11896
5

06/17/2022

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

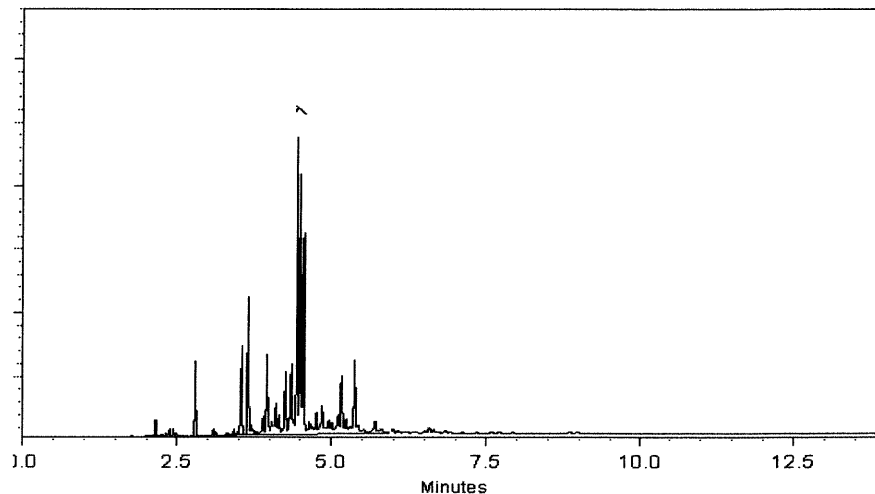
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

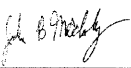
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

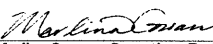


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Josh McCloskey - Operations Technician I

Date Mixed: 11-Feb-2022

Balance: B442140311


Marlene Cowan - Operations Tech I

Date Passed: 24-Feb-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 11892 / (5)
↓
P 11896 / 1


06/17/2022



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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. : 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%

P 13039
 ↓
 P13043
 5
 1
 JAW
 12/26/23

Quality Confirmation Test

Column:
 30m x .25mm x .2um
 Rtx-CLP II (cat.# 11323)

Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

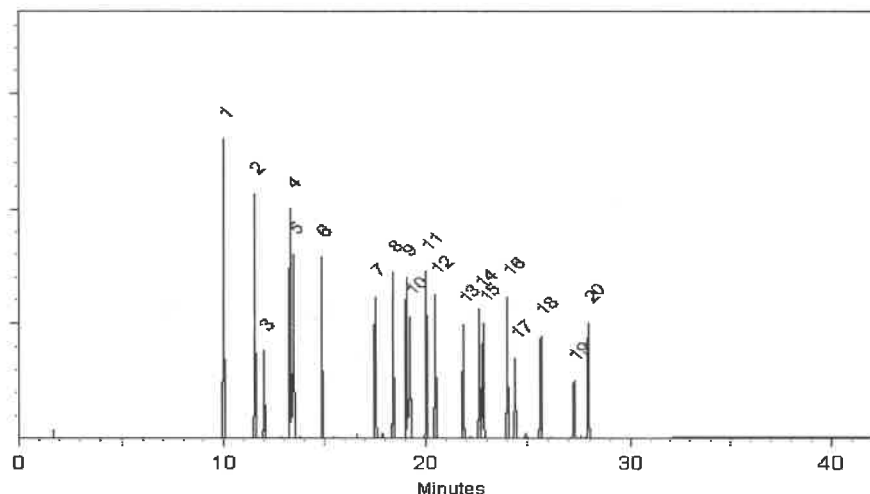
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023

Balance Serial # 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **79136**
 Lot Number: **102821**
 Description: **Mirex**

Solvent(s): **Acetone**
 Lot#: **81025**

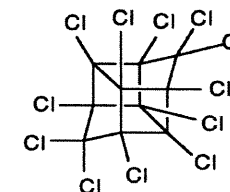
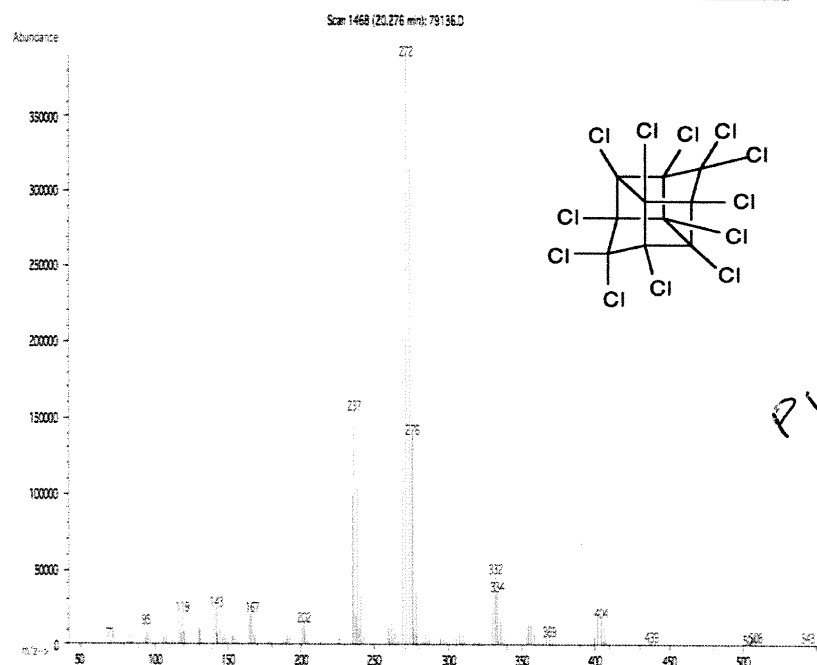
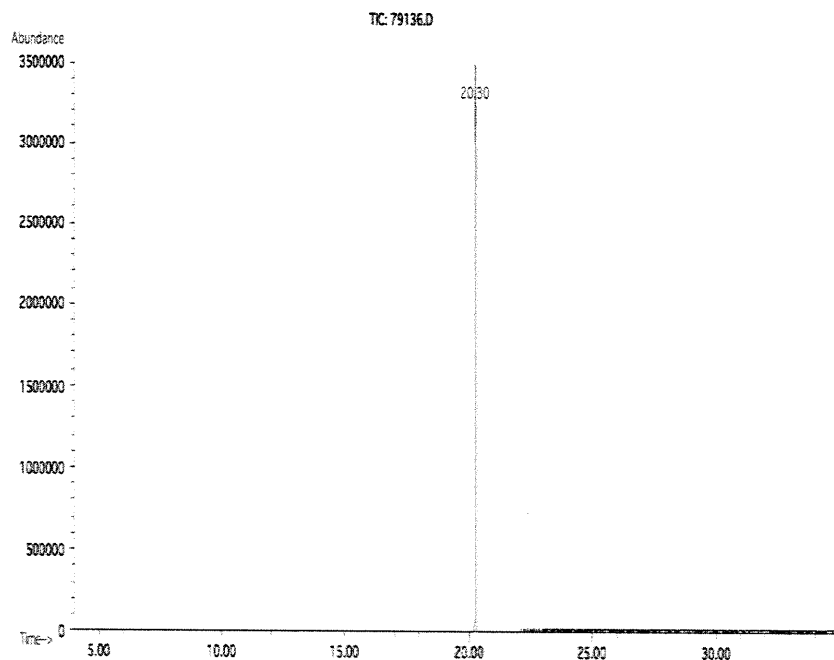
Expiration Date: **102826**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **1000**
 NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **50.0**
 5E-05 Balance Uncertainty
 0.006 Flask Uncertainty

<i>Eli Aliaga</i>		102821
Formulated By:	Eli Aliaga	DATE
<i>Pedro L. Rentas</i>		102821
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05039	1000.9	10.3	2385-85-5	N/A	ori-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.



P11142
 To
 P11146
 AR
 11/02/21

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



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.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
↓
P 13038
✓
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

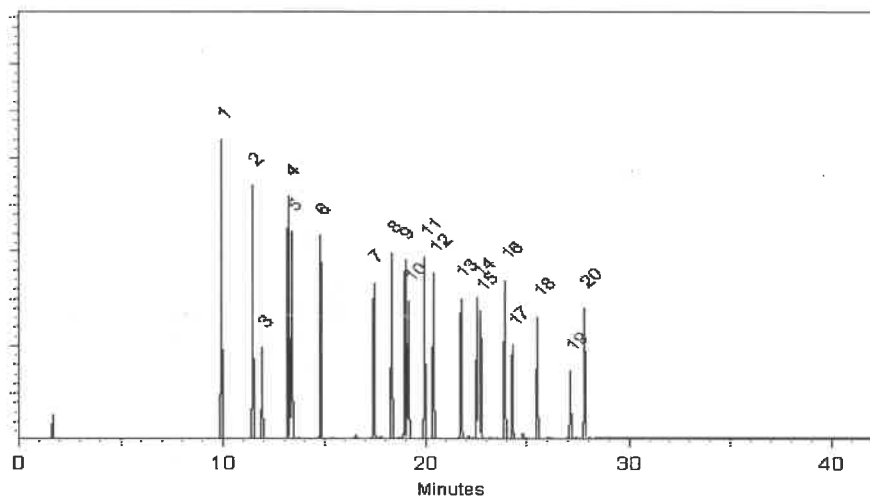
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **19161**
 Lot Number: **013124**
 Description: **CLP Pesticides & PCB's Resolution Check Standard**
 9 components
 Expiration Date: **013129**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **Varied**
 NIST Test ID#: **6UTB**

Solvent(s):
 Hexane 273615 (50%)
 Toluene 28508 (50%)

Volume(s) shown below were combined and diluted to (mL): 100.0 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

		013124
Formulated By:	Lawrence Barry	DATE
		013124
Reviewed By:	Pedro L. Rentas	DATE

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.)		
									CAS#	OSHA PEL (TWA)	LD50
1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	ori-rat 500mg/kg
2. Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	ori-rat 18mg/kg
3. 4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	ori-rat 880mg/kg
4. Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	ori-rat 38300ug/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	ori-rat 18mg/kg
6. Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7. 4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	ori-rat 6000mg/kg
8. 2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9. Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 • Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 • Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 • All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 • Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

P13243 } (5)
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 P13247 }
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 02/9/2024



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

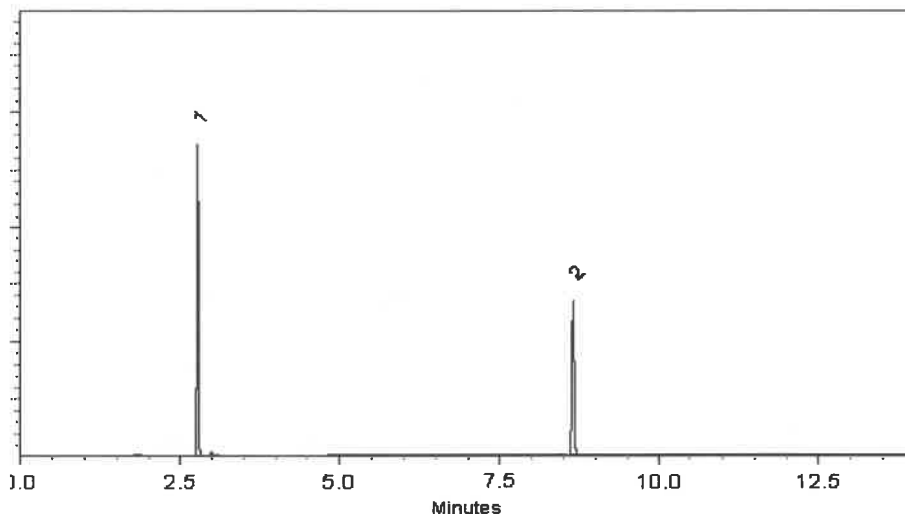
ECD

Split Vent:

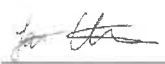
10 ml/min.

Inj. Vol

1µl

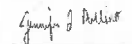


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

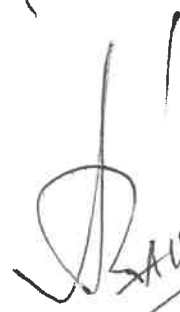
Balance Serial # 1128360905


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
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P 13357
10


SAUF
04/25/2025



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CERTIFIED REFERENCE MATERIAL

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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

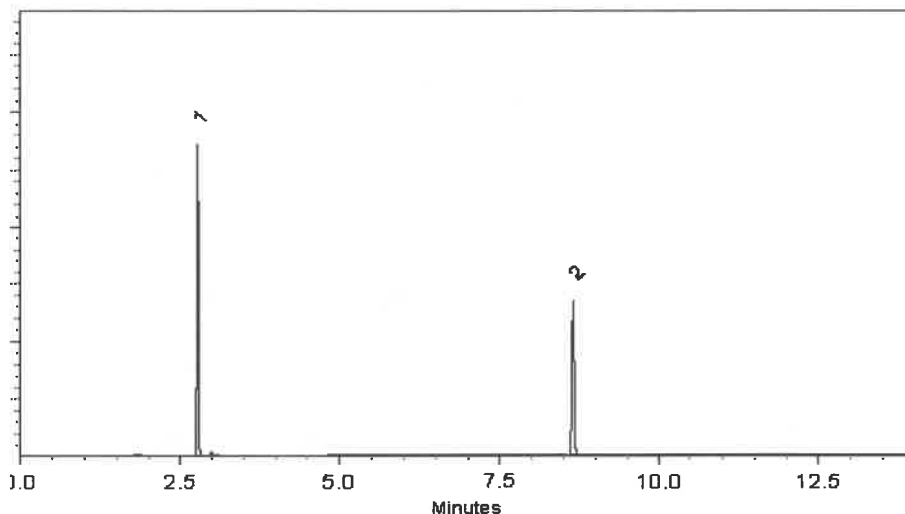
ECD

Split Vent:

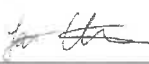
10 ml/min.

Inj. Vol

1µl

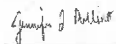


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P 13348
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P 13357
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. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
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P13357
10
BAUF
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:

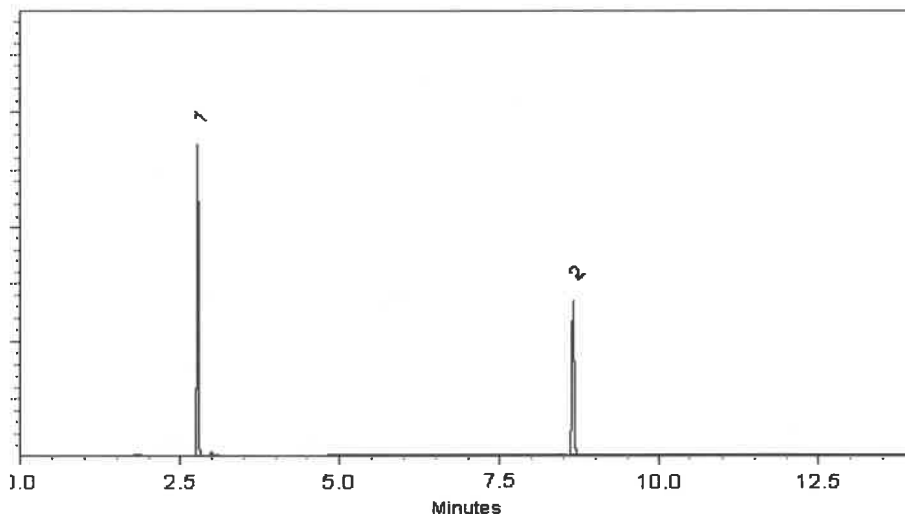
ECD

Split Vent:

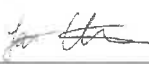
10 ml/min.

Inj. Vol

1µl

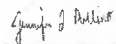


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

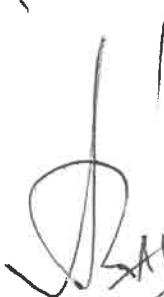
Balance Serial # 1128360905


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
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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

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%

P 13358
↓
P 13369
(12)

✓
05-06-2024

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

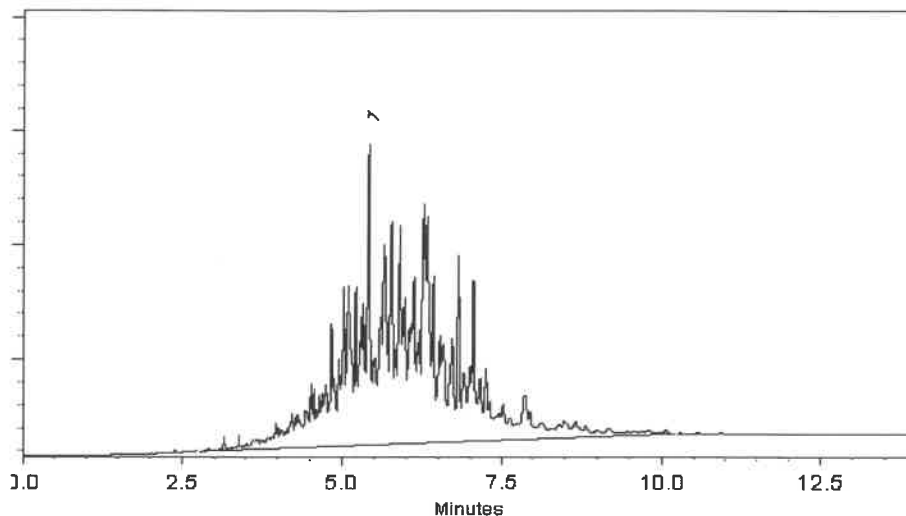
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

P13358 } (12)
↓
P13369
|


05-06-2024



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. : 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:

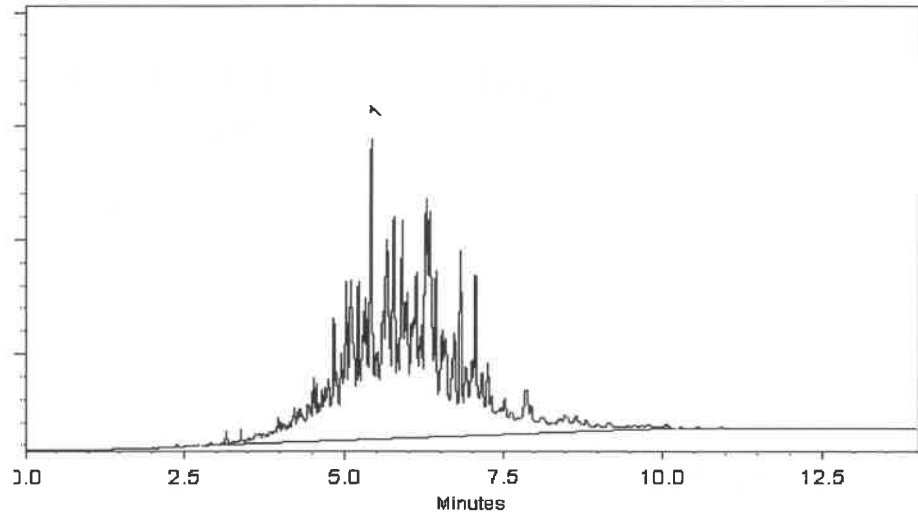
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

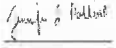


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

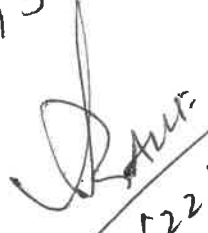
Date Mixed: 10-Oct-2023

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



SHIPPING DOCUMENTS

P5380



Weston COC ID
Weston_20241220

Chain of Custody Record/Lab Work Request

Client:	Weston Solutions, Inc.		
Project Manager:	David Sembrot		
Street Address:	1400 Weston Way	City:	West Chester
Phone:	610-314-5456	ST, ZIP:	PA, 19038
e-mail:	david.sembrot@westonsolutions.com		
Sampled By:	Cheyenne Harrington		

Project Name:	Fort Meade RI	Project POC:	Nathan Fretz
PO Number	0111169	Phone:	464-524-5665
W.O. #:		POC e-mail:	nathan.fretz@westonsolutions.com
Lab:	CHEMTECH	Lab POC:	Jordan Hedvat
TAT (days):	7	Lab Phone:	908-728-3144
Lab Address:	284 Sheffield Street Mountainside, NJ 07092		

Matrix Codes
SB- Soil
SE - Sediment
SO - Solid
SL - Sludge
GW - Groundwater
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab Use Only		
Temperature of cooler when received (°C)		
COC Tape was present and unbroken on outer package?	Y	N
Samples received in good condition?	Y	N
Labels indicate properly preserved?	Y	N
Received within holding times?	Y	N
Discrepancies between sample labels and COC record?	Y	N

Analyses Requested:	TCLP VOCs by EPA 8260D (1311)	TCLP SVOCs by EPA 8270E (1311)	TCLP Metals by EPA 6010D/7470A	TCLP Pesticides by EPA 8081B	TCLP Herbicides by EPA 8151A	Total Sulfide by EPA 9034	Total Cyanide by EPA 9012E	PCB by EPA 8082A	Ignitability by EPA 1030	pH by EPA 9045D		
	Container Type:	Encore	Glass	Glass	Glass	Glass	Glass	Glass	Glass	Glass		
	Container Size:	25g	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz		
	Preservative:	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6		

#	Sample ID	G/C	Matrix	# Cont	MS/MSD	Date Collected	Time Collected											Special Instructions/Comments
1	TAPIAL3-IDW-Soil-122024-T1	c	DS	6	no	12/20/2024	14:15	X	X	X	X	X	X	X	X	X	X	expedited 7 day TAT
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

Shipping Airbill Number(s):						Cooler Number:		1	of	1
Relinquished By	Date	Time	Received By	Date	Time	Additional Comments				
1.) <i>S. R. V.</i>	12/20/24	18W	<i>Reen</i>	12/21/24	11:00	QSM 6.0 Compliant Deliverable Requirements: DoD Level IV report, EnviroData EDD, and ERIS-compatible EDD				
2.)					2-3					
3.)										



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
 Data File : PL093482.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Dec 2024 12:47
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 24 15:31:17 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 15:29:41 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.541	2.777	47536002	54294452	19.201	18.650
28)	SA Decachlor...	9.054	7.912	35989086	55472119	19.464	18.578
Target Compounds							
2)	A alpha-BHC	3.997	3.280	34176583	38465322	9.899	8.849
3)	MA gamma-BHC...	4.329	3.609	31887544	35771899	9.724	8.478
4)	MA Heptachlor	0.000	3.964f	0	46510	N.D.	0.011 #
5)	MB Aldrin	0.000	4.242	0	129006	N.D.	0.031 #
6)	B beta-BHC	4.528	3.910	14127284	17662036	9.800	9.826
7)	B delta-BHC	0.000	4.142	0	38220	N.D.	0.009 #
8)	B Heptachlo...	0.000	4.740	0	53750	N.D.	0.014 #
9)	A Endosulfan I	0.000	5.073f	0	330039	N.D.	0.094 #
10)	B gamma-Chl...	0.000	5.001f	0	1854302	N.D.	0.481 #
11)	B alpha-Chl...	0.000	5.025f	0	698975	N.D.	0.184 #
12)	B 4,4'-DDE	0.000	5.234	0	304886	N.D.	0.083 #
13)	MA Dieldrin	0.000	5.369	0	87404	N.D.	0.023 #
14)	MA Endrin	6.575	5.639	91814867	146.7E6	42.656	44.355
15)	B Endosulfa...	0.000	5.948	0	424676	N.D.	0.131 #
16)	A 4,4'-DDD	6.712	5.788	2168081	3587757	1.235	1.268
17)	MA 4,4'-DDT	7.025	6.038	158.0E6	299.5E6	85.448	99.158
18)	B Endrin al...	6.925	6.113	2485458	5257887	1.401	1.952 #
20)	A Methoxychlor	7.501	6.612	195.9E6	352.8E6	195.970	219.193
21)	B Endrin ke...	7.643	6.841	4824418	7518202	2.150	2.065
23)	Chlordane-1	0.000	3.779	0	28144	N.D.	0.233 #
24)	Chlordane-2	0.000	4.348	0	315071	N.D.	2.270 #
25)	Chlordane-3	0.000	5.001f	0	1854302	N.D.	4.370 #
26)	Chlordane-4	0.000	5.025	0	698975	N.D.	1.699 #
27)	Chlordane-5	0.000	5.948	0	424676	N.D.	3.190 #

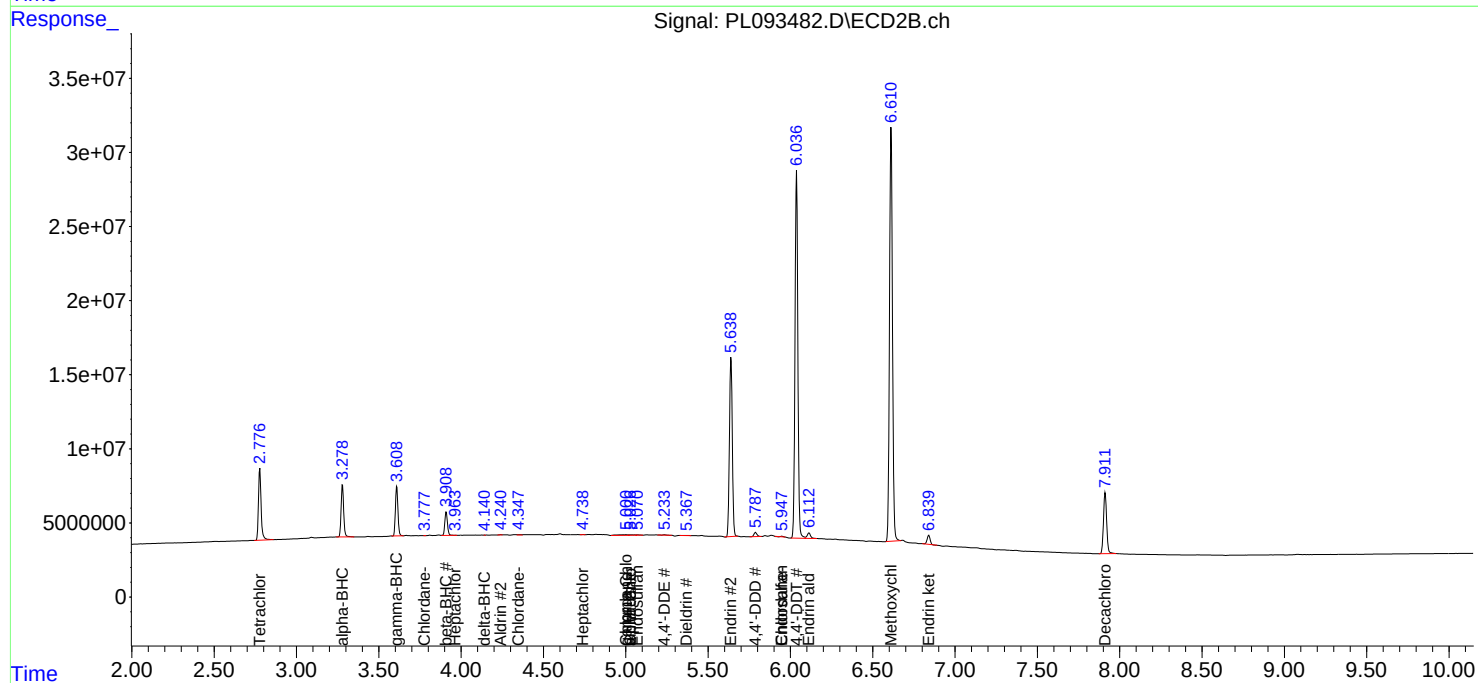
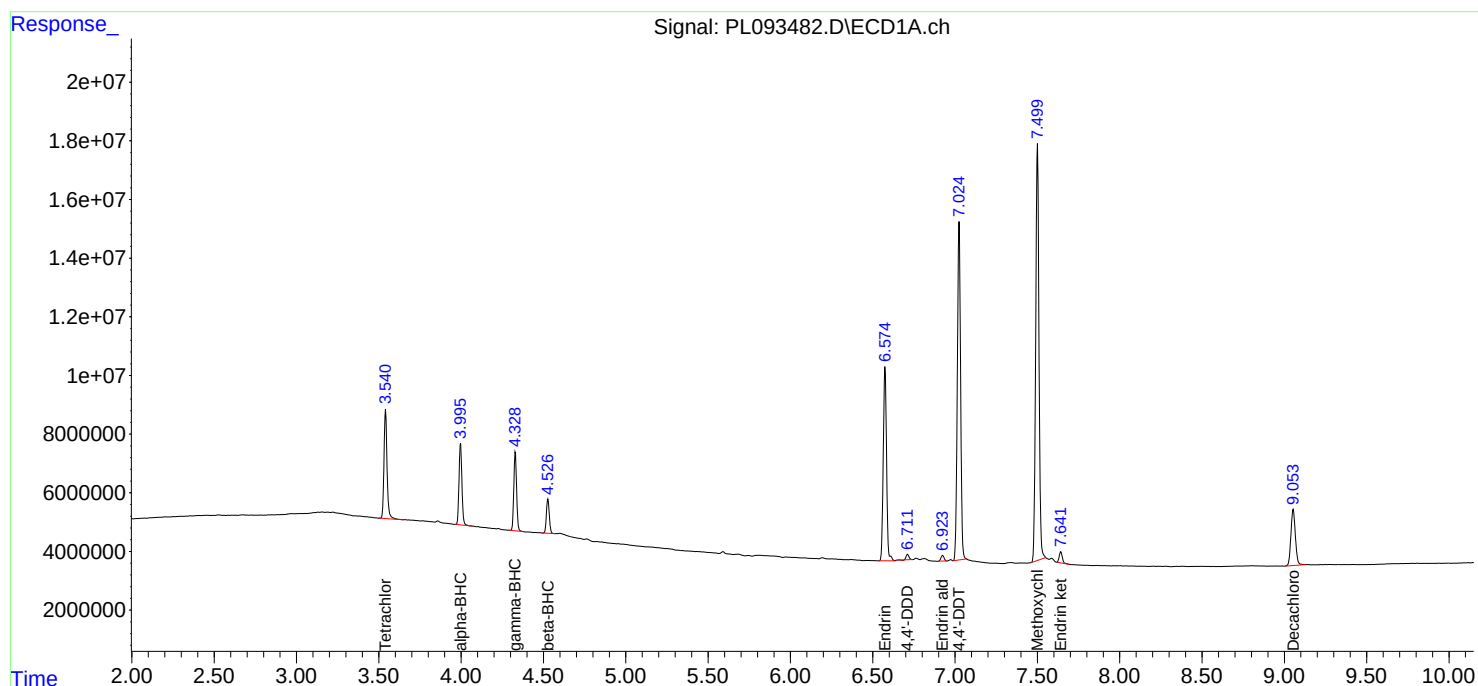
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

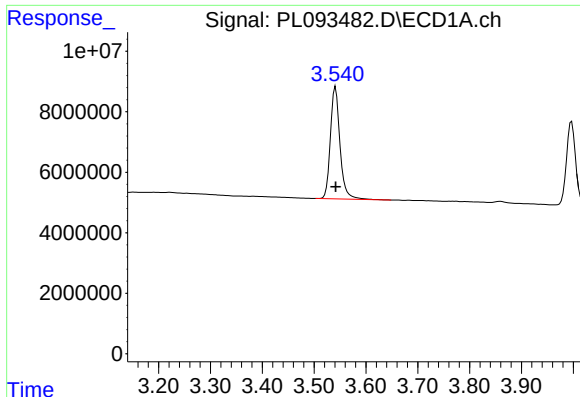
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
Data File : PL093482.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Dec 2024 12:47
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 24 15:31:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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

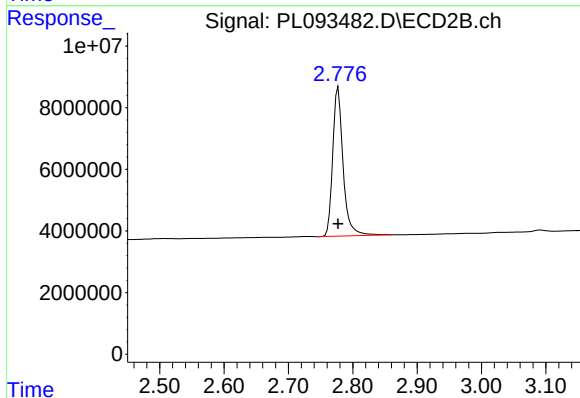




#1 Tetrachloro-m-xylene

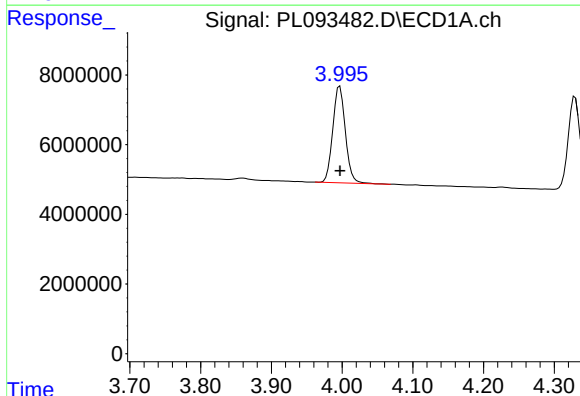
R.T.: 3.541 min
Delta R.T.: 0.000 min
Response: 47536002
Conc: 19.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



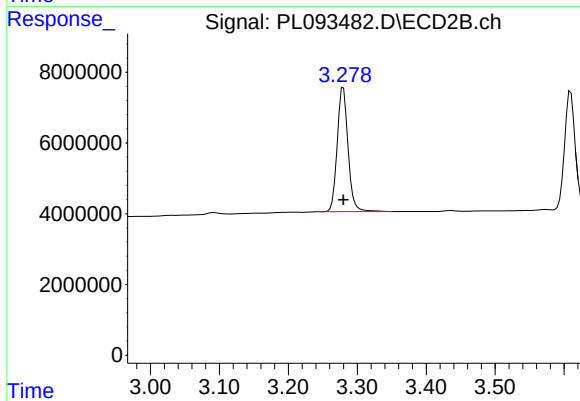
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 54294452
Conc: 18.65 ng/ml



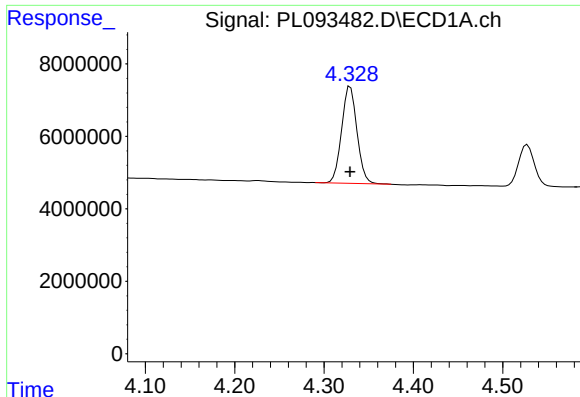
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 34176583
Conc: 9.90 ng/ml



#2 alpha-BHC

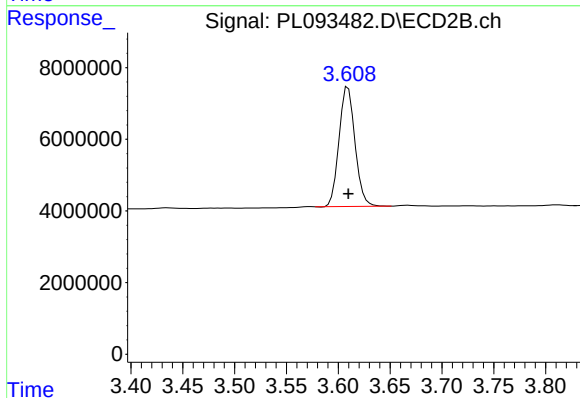
R.T.: 3.280 min
Delta R.T.: 0.000 min
Response: 38465322
Conc: 8.85 ng/ml



#3 gamma-BHC (Lindane)

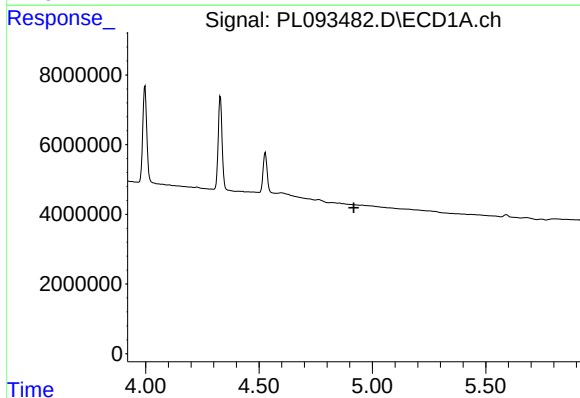
R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 31887544
Conc: 9.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



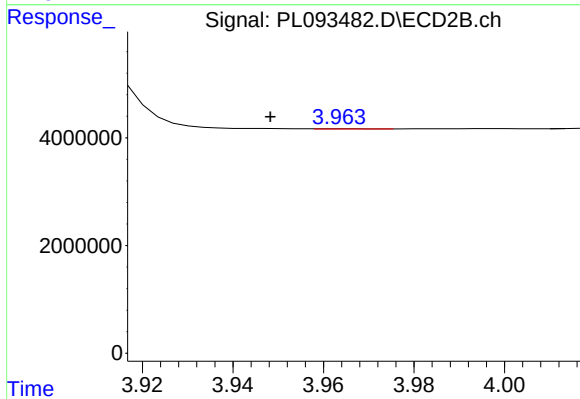
#3 gamma-BHC (Lindane)

R.T.: 3.609 min
Delta R.T.: 0.000 min
Response: 35771899
Conc: 8.48 ng/ml



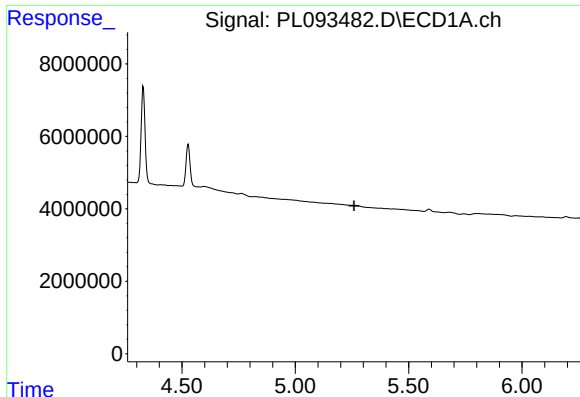
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.918 min
Response: 0
Conc: N.D.



#4 Heptachlor

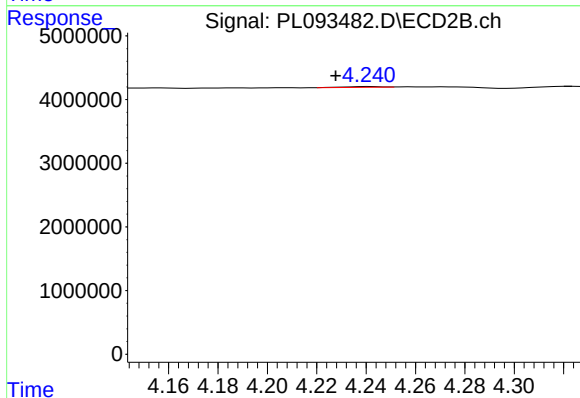
R.T.: 3.964 min
Delta R.T.: 0.016 min
Response: 46510
Conc: 0.01 ng/ml



#5 Aldrin

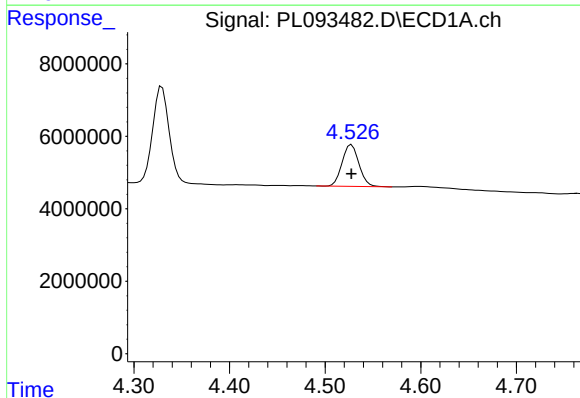
R.T.: 0.000 min
Exp R.T.: 5.259 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



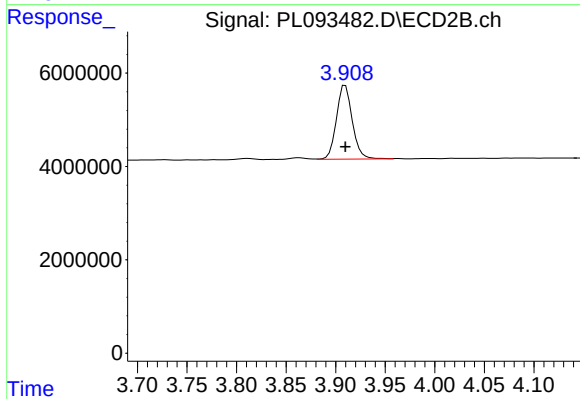
#5 Aldrin

R.T.: 4.242 min
Delta R.T.: 0.014 min
Response: 129006
Conc: 0.03 ng/ml



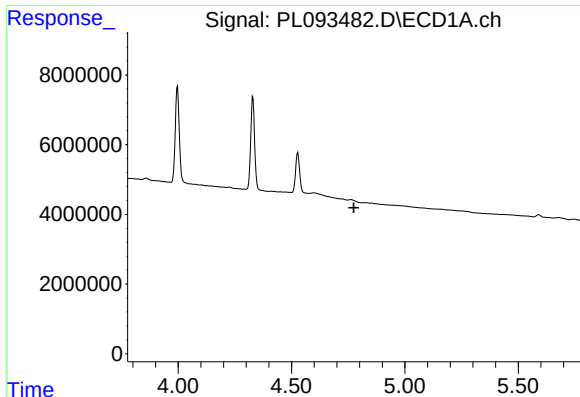
#6 beta-BHC

R.T.: 4.528 min
Delta R.T.: 0.000 min
Response: 14127284
Conc: 9.80 ng/ml



#6 beta-BHC

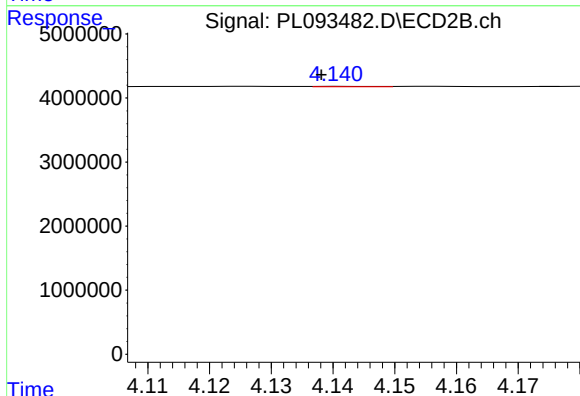
R.T.: 3.910 min
Delta R.T.: 0.000 min
Response: 17662036
Conc: 9.83 ng/ml



#7 delta-BHC

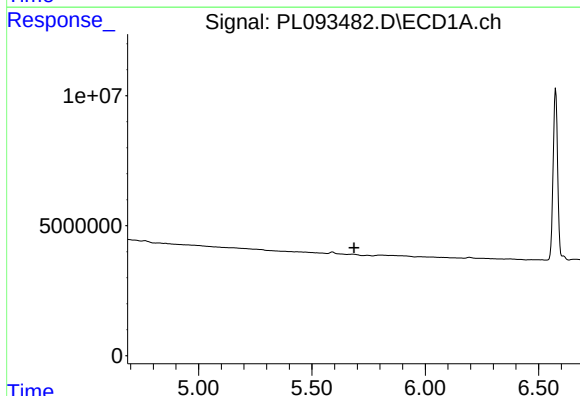
R.T.: 0.000 min
Exp R.T. : 4.775 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



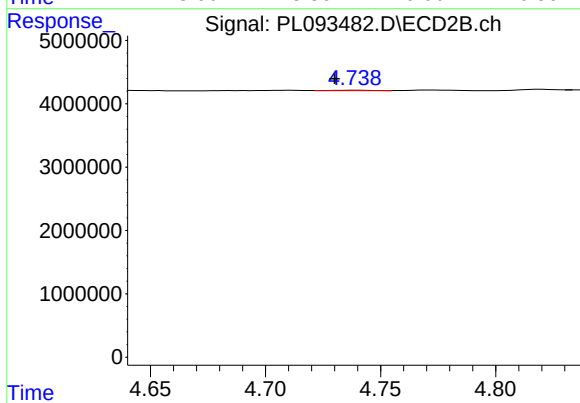
#7 delta-BHC

R.T.: 4.142 min
Delta R.T.: 0.004 min
Response: 38220
Conc: 0.01 ng/ml



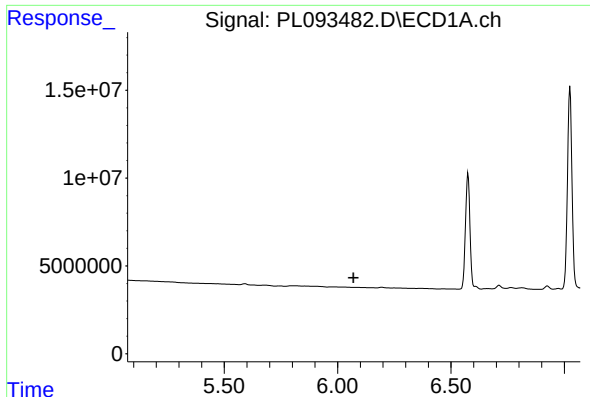
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 5.686 min
Response: 0
Conc: N.D.



#8 Heptachlor epoxide

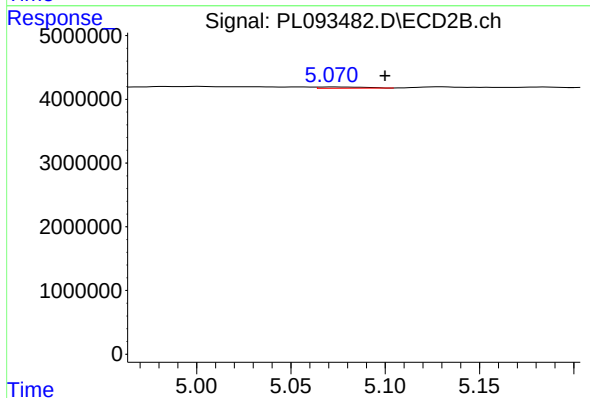
R.T.: 4.740 min
Delta R.T.: 0.010 min
Response: 53750
Conc: 0.01 ng/ml



#9 Endosulfan I

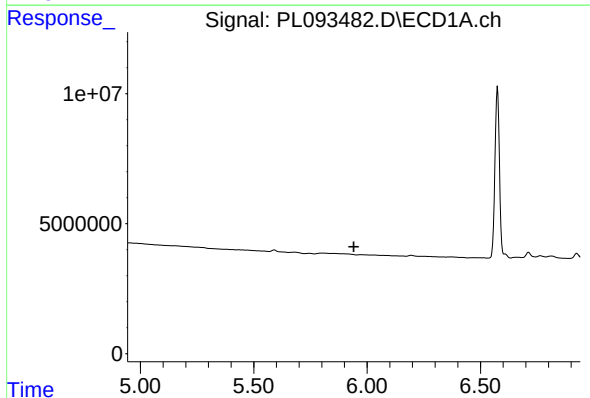
R.T.: 0.000 min
Exp R.T.: 6.071 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



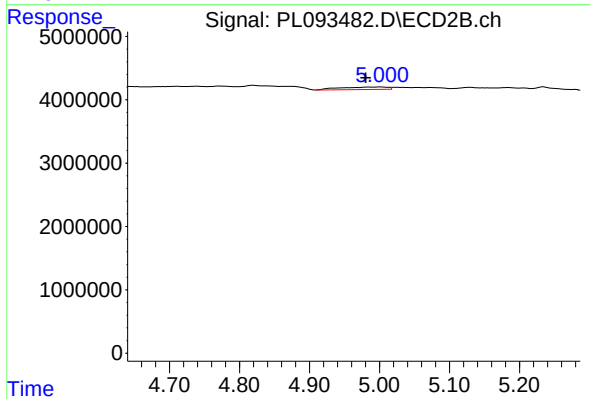
#9 Endosulfan I

R.T.: 5.073 min
Delta R.T.: -0.027 min
Response: 330039
Conc: 0.09 ng/ml



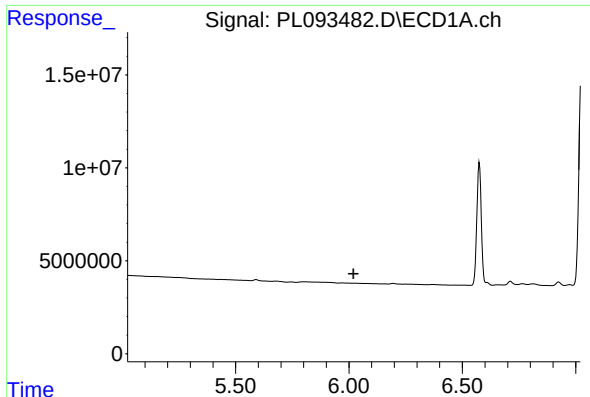
#10 gamma-Chlordane

R.T.: 0.000 min
Exp R.T.: 5.941 min
Response: 0
Conc: N.D.



#10 gamma-Chlordane

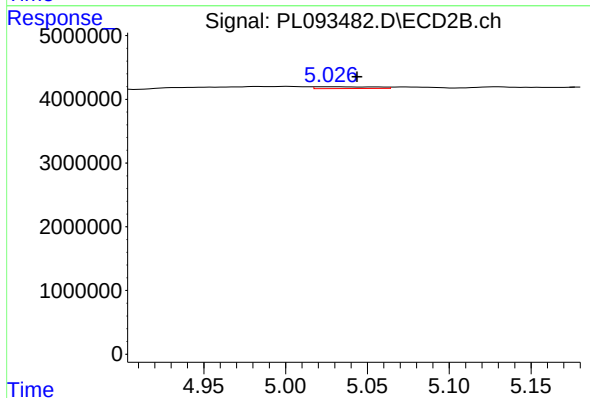
R.T.: 5.001 min
Delta R.T.: 0.021 min
Response: 1854302
Conc: 0.48 ng/ml



#11 alpha-Chlordane

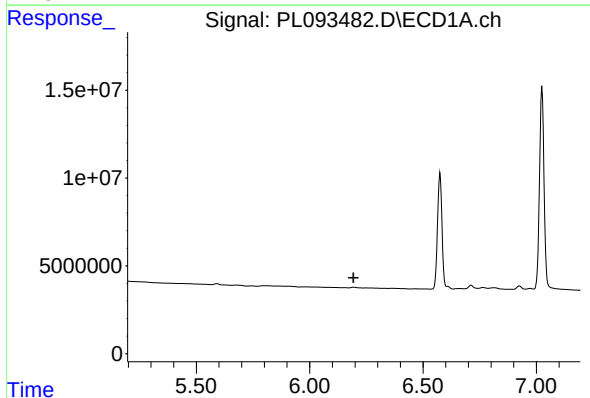
R.T.: 0.000 min
Exp R.T.: 6.020 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



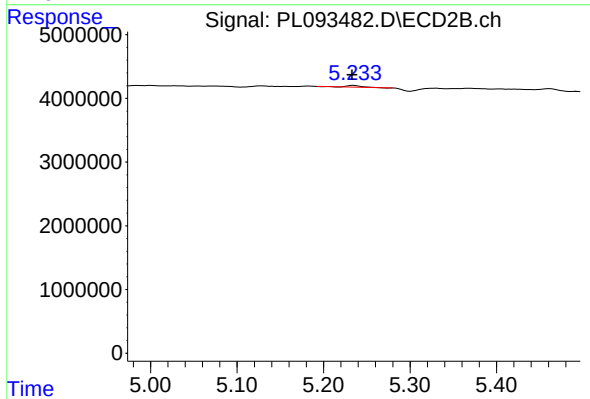
#11 alpha-Chlordane

R.T.: 5.025 min
Delta R.T.: -0.019 min
Response: 698975
Conc: 0.18 ng/ml



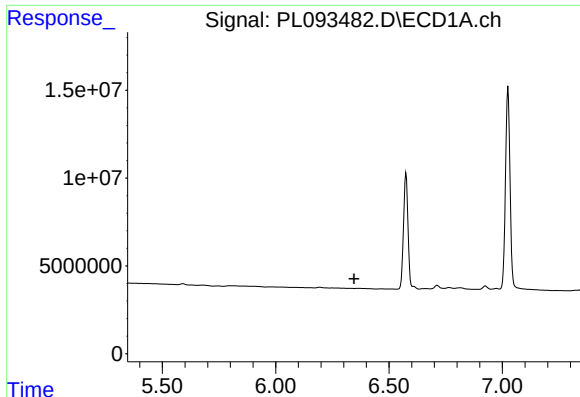
#12 4,4'-DDE

R.T.: 0.000 min
Exp R.T.: 6.194 min
Response: 0
Conc: N.D.



#12 4,4'-DDE

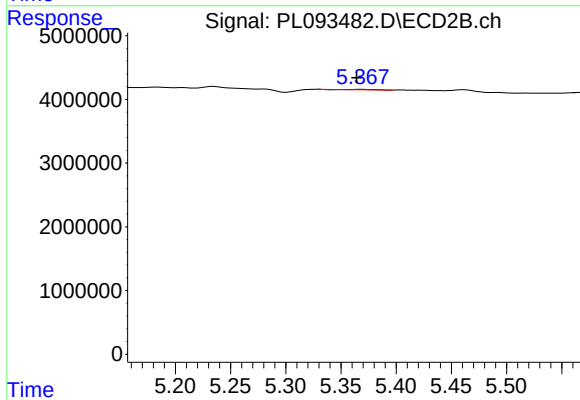
R.T.: 5.234 min
Delta R.T.: 0.001 min
Response: 304886
Conc: 0.08 ng/ml



#13 Dieldrin

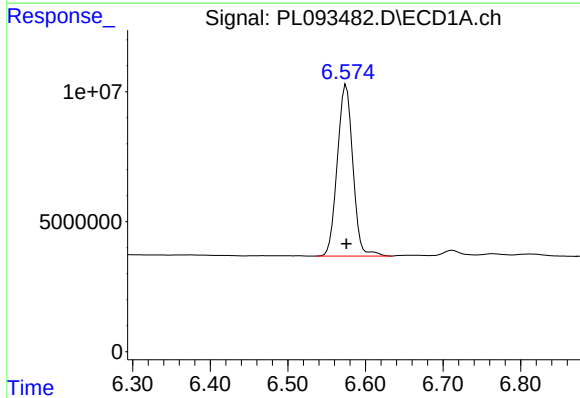
R.T.: 0.000 min
Exp R.T.: 6.346 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



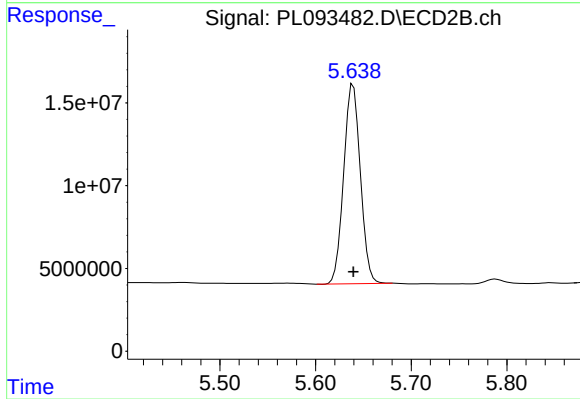
#13 Dieldrin

R.T.: 5.369 min
Delta R.T.: 0.005 min
Response: 87404
Conc: 0.02 ng/ml



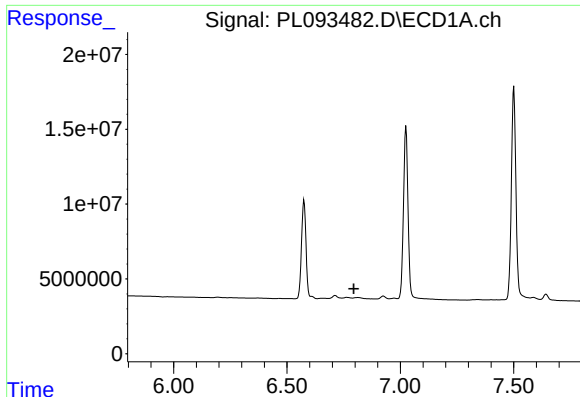
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 91814867
Conc: 42.66 ng/ml



#14 Endrin

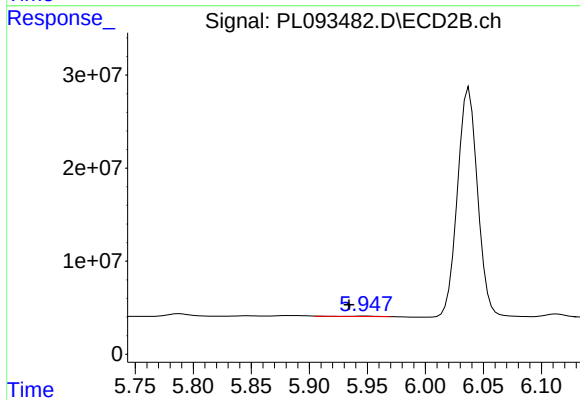
R.T.: 5.639 min
Delta R.T.: 0.000 min
Response: 146742127
Conc: 44.36 ng/ml



#15 Endosulfan II

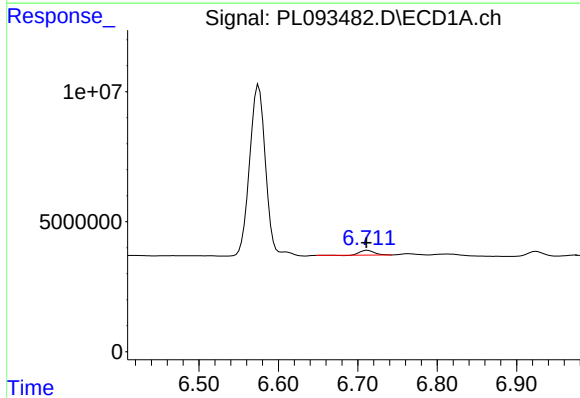
R.T.: 0.000 min
Exp R.T.: 6.795 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



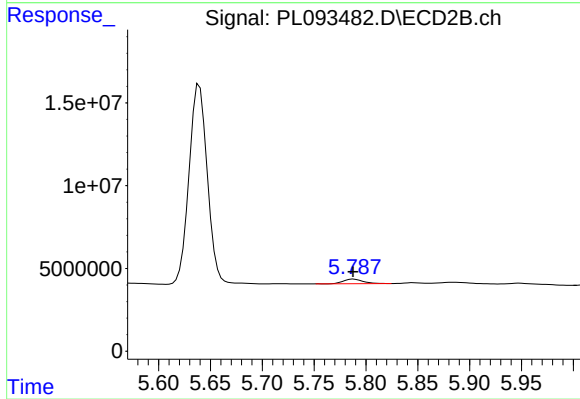
#15 Endosulfan II

R.T.: 5.948 min
Delta R.T.: 0.014 min
Response: 424676
Conc: 0.13 ng/ml



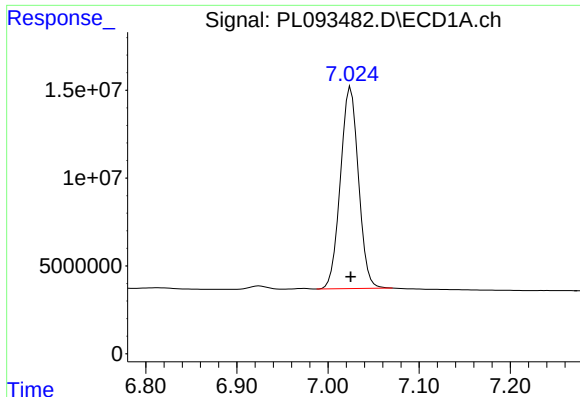
#16 4,4'-DDD

R.T.: 6.712 min
Delta R.T.: 0.001 min
Response: 2168081
Conc: 1.23 ng/ml



#16 4,4'-DDD

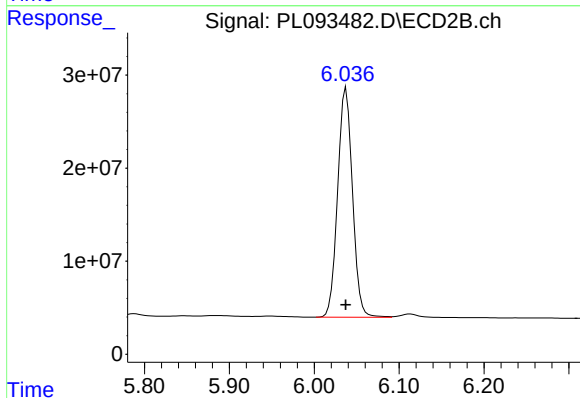
R.T.: 5.788 min
Delta R.T.: 0.000 min
Response: 3587757
Conc: 1.27 ng/ml



#17 4,4'-DDT

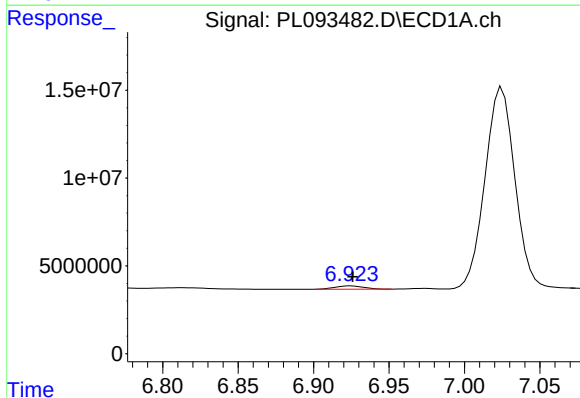
R.T.: 7.025 min
Delta R.T.: 0.000 min
Response: 157953498
Conc: 85.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



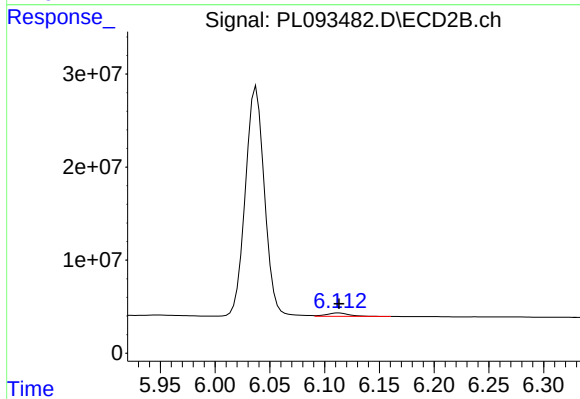
#17 4,4'-DDT

R.T.: 6.038 min
Delta R.T.: 0.000 min
Response: 299487884
Conc: 99.16 ng/ml



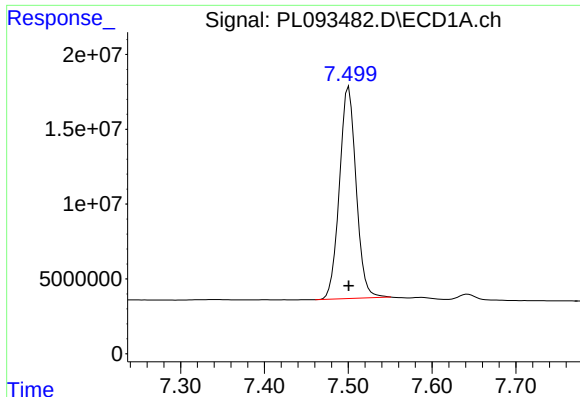
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: -0.001 min
Response: 2485458
Conc: 1.40 ng/ml



#18 Endrin aldehyde

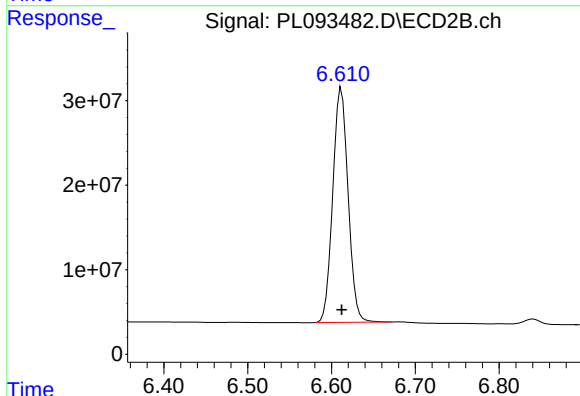
R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 5257887
Conc: 1.95 ng/ml



#20 Methoxychlor

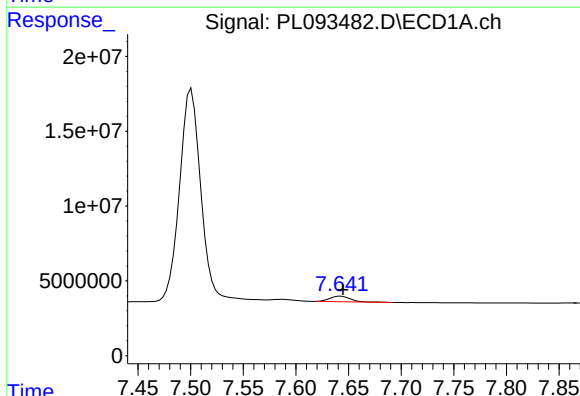
R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 195906432
Conc: 195.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



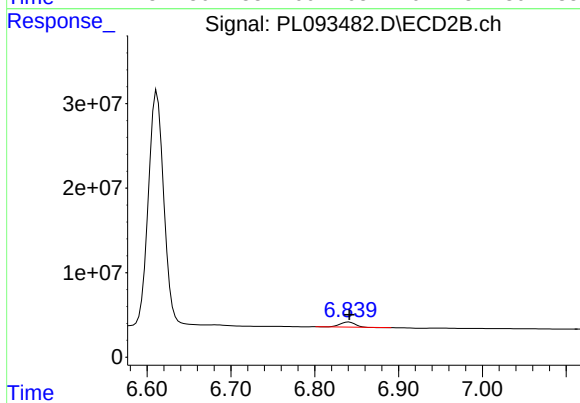
#20 Methoxychlor

R.T.: 6.612 min
Delta R.T.: 0.000 min
Response: 352820920
Conc: 219.19 ng/ml



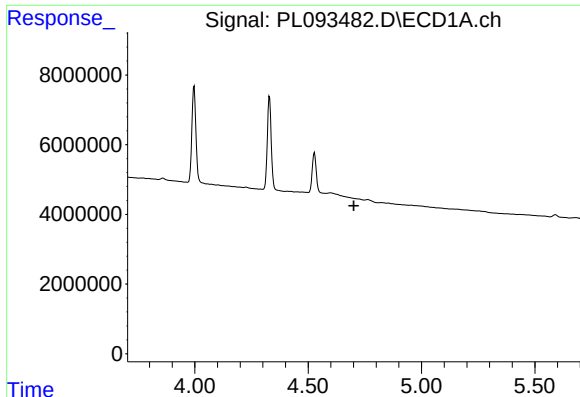
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: -0.002 min
Response: 4824418
Conc: 2.15 ng/ml



#21 Endrin ketone

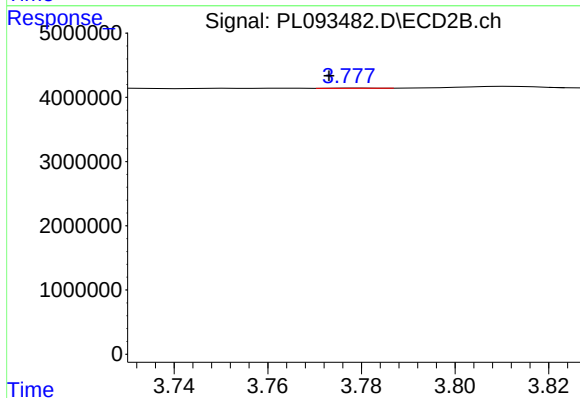
R.T.: 6.841 min
Delta R.T.: -0.001 min
Response: 7518202
Conc: 2.07 ng/ml



#23 Chlordane-1

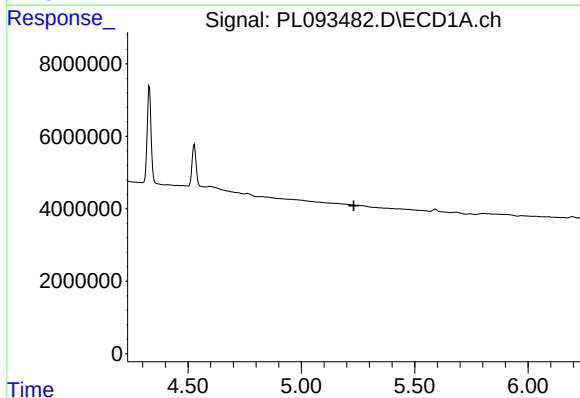
R.T.: 0.000 min
Exp R.T.: 4.702 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



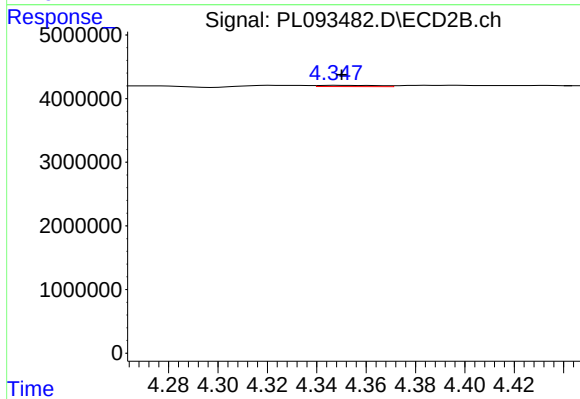
#23 Chlordane-1

R.T.: 3.779 min
Delta R.T.: 0.006 min
Response: 28144
Conc: 0.23 ng/ml



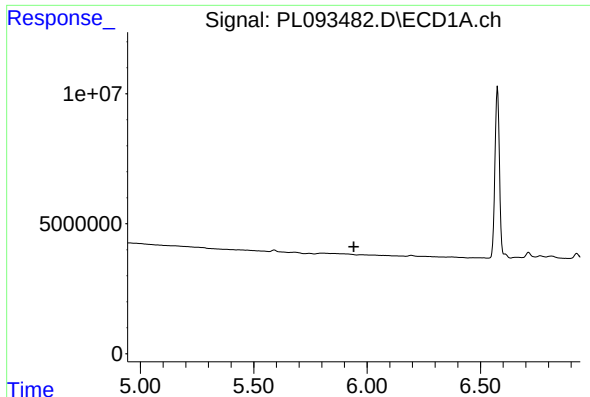
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T.: 5.231 min
Response: 0
Conc: N.D.



#24 Chlordane-2

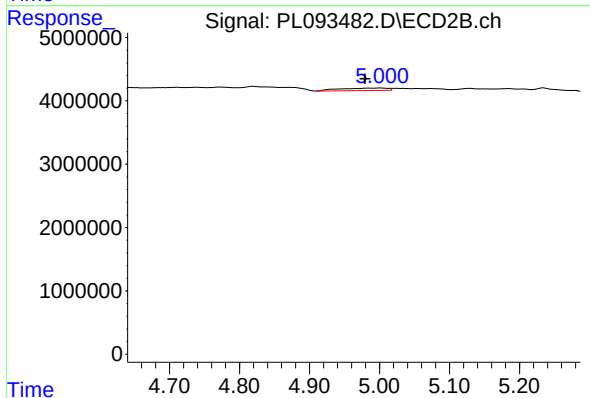
R.T.: 4.348 min
Delta R.T.: -0.002 min
Response: 315071
Conc: 2.27 ng/ml



#25 Chlordane-3

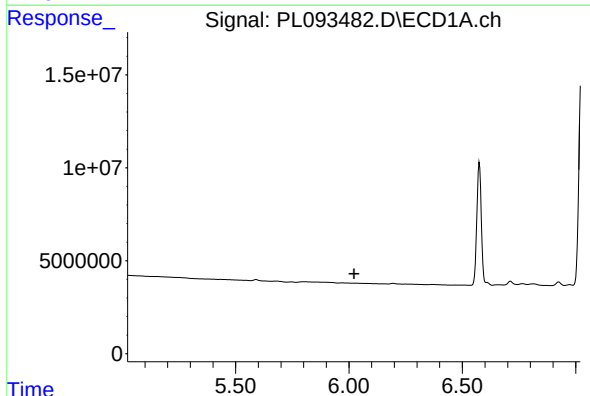
R.T.: 0.000 min
Exp R.T.: 5.941 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



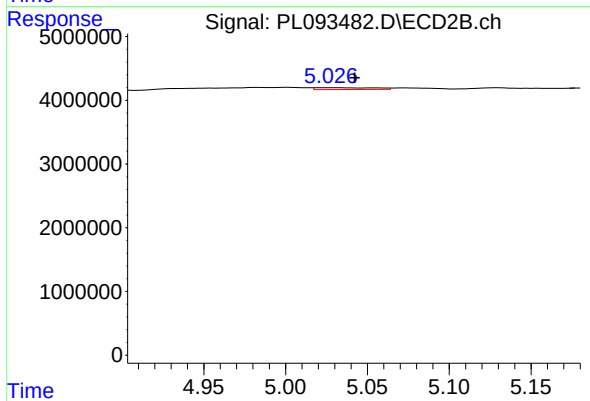
#25 Chlordane-3

R.T.: 5.001 min
Delta R.T.: 0.022 min
Response: 1854302
Conc: 4.37 ng/ml



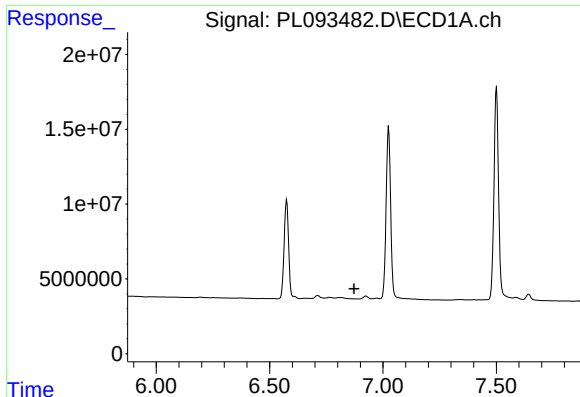
#26 Chlordane-4

R.T.: 0.000 min
Exp R.T.: 6.023 min
Response: 0
Conc: N.D.



#26 Chlordane-4

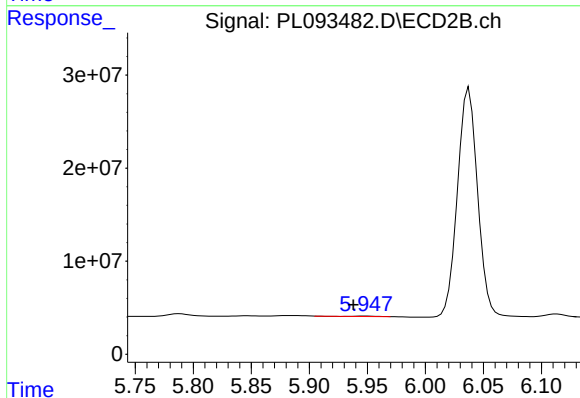
R.T.: 5.025 min
Delta R.T.: -0.017 min
Response: 698975
Conc: 1.70 ng/ml



#27 Chlordane-5

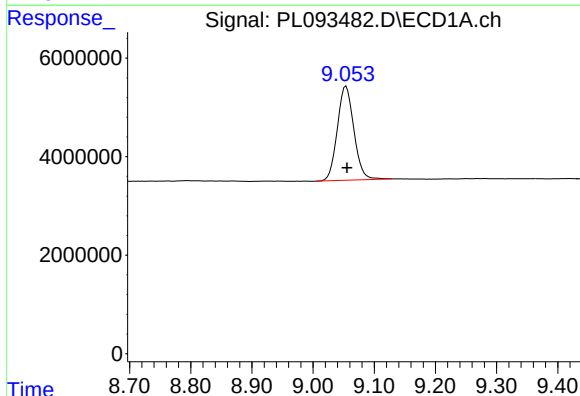
R.T.: 0.000 min
Exp R.T.: 6.872 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



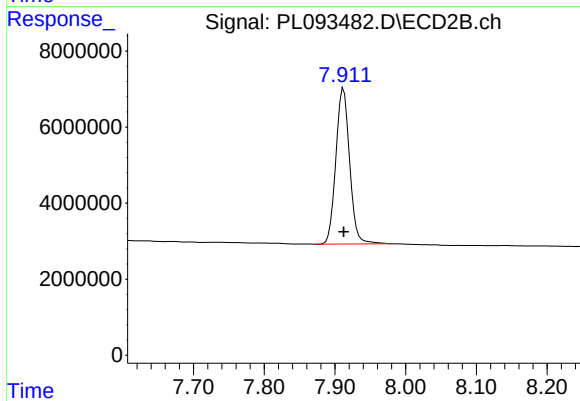
#27 Chlordane-5

R.T.: 5.948 min
Delta R.T.: 0.010 min
Response: 424676
Conc: 3.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.002 min
Response: 35989086
Conc: 19.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 55472119
Conc: 18.58 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
 Data File : PL093529.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Dec 2024 10:16
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 28 00:53:13 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 15:29:41 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.539	2.774	57677825	64691613	23.298	22.222
28)	SA Decachlor...	9.053	7.911	44752922	70751622	24.204	23.695
Target Compounds							
2)	A alpha-BHC	3.995	3.277	41976854	46065465	12.159	10.598
3)	MA gamma-BHC...	4.328	3.607	39723505	43137874	12.113	10.224
4)	MA Heptachlor	0.000	3.963	0	57749	N.D.	0.014 #
5)	MB Aldrin	0.000	4.239	0	163633	N.D.	0.040 #
6)	B beta-BHC	4.526	3.908	18466591	21624937	12.810	12.031
7)	B delta-BHC	0.000	4.141	0	122887	N.D.	0.029 #
8)	B Heptachlo...	0.000	4.740	0	20591	N.D.	0.005 #
9)	A Endosulfan I	0.000	5.118f	0	134916	N.D.	0.039 #
10)	B gamma-Chl...	0.000	4.990	0	1743625	N.D.	0.453 #
11)	B alpha-Chl...	0.000	5.043	0	748971	N.D.	0.197 #
12)	B 4,4'-DDE	0.000	5.234	0	382679	N.D.	0.104 #
13)	MA Dieldrin	0.000	5.370	0	70871	N.D.	0.018 #
14)	MA Endrin	6.575	5.639	110.2E6	179.3E6	51.218	54.185
15)	B Endosulfa...	0.000	5.947	0	489915	N.D.	0.151 #
16)	A 4,4'-DDD	6.711	5.786	3374779	4142599	1.922	1.464
17)	MA 4,4'-DDT	7.025	6.036	199.7E6	374.1E6	108.017	123.861
18)	B Endrin al...	6.924	6.112	3419745	5989550	1.927	2.224
20)	A Methoxychlor	7.500	6.611	249.7E6	437.0E6	249.746	271.498
21)	B Endrin ke...	7.643	6.839	6730429	10360464	2.999	2.846
23)	Chlordane-1	0.000	3.768	0	56831	N.D.	0.471 #
25)	Chlordane-3	0.000	4.990	0	1743625	N.D.	4.109 #
26)	Chlordane-4	0.000	5.043	0	748971	N.D.	1.821 #
27)	Chlordane-5	0.000	5.947	0	489915	N.D.	3.680 #

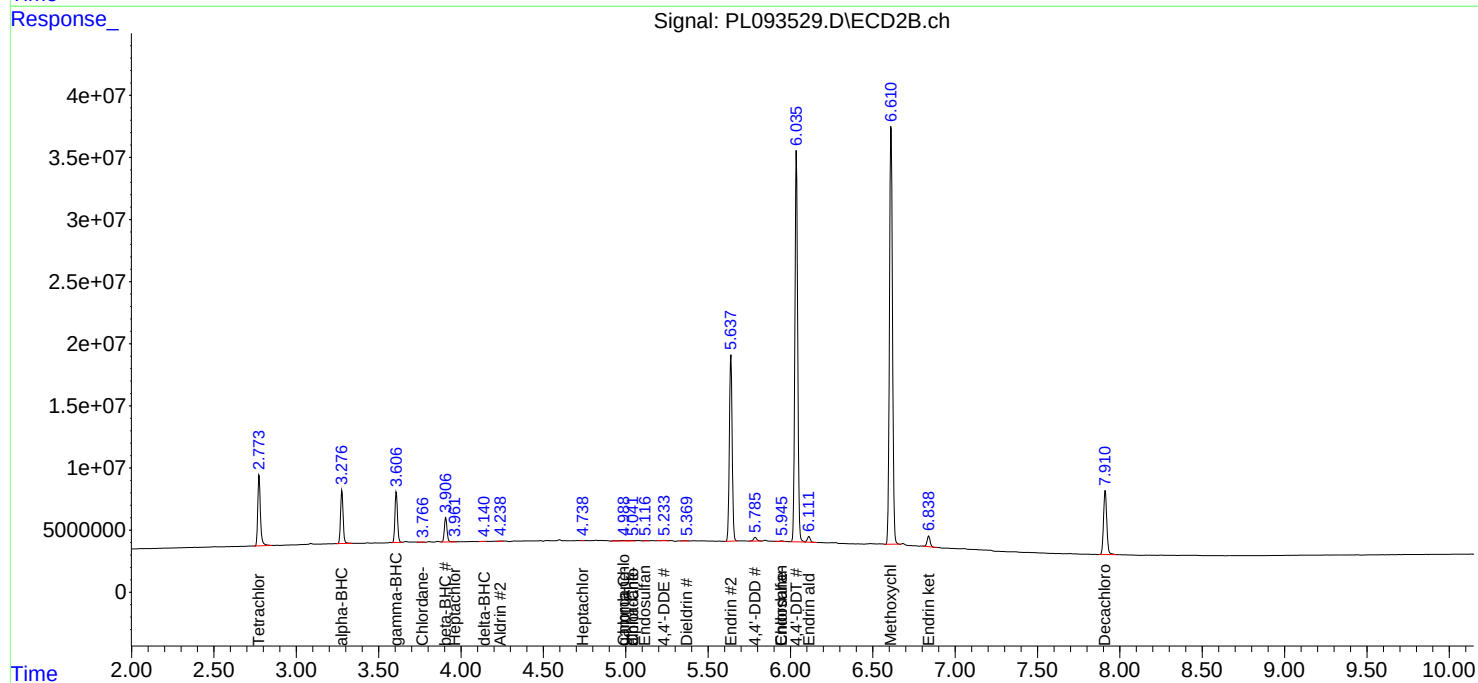
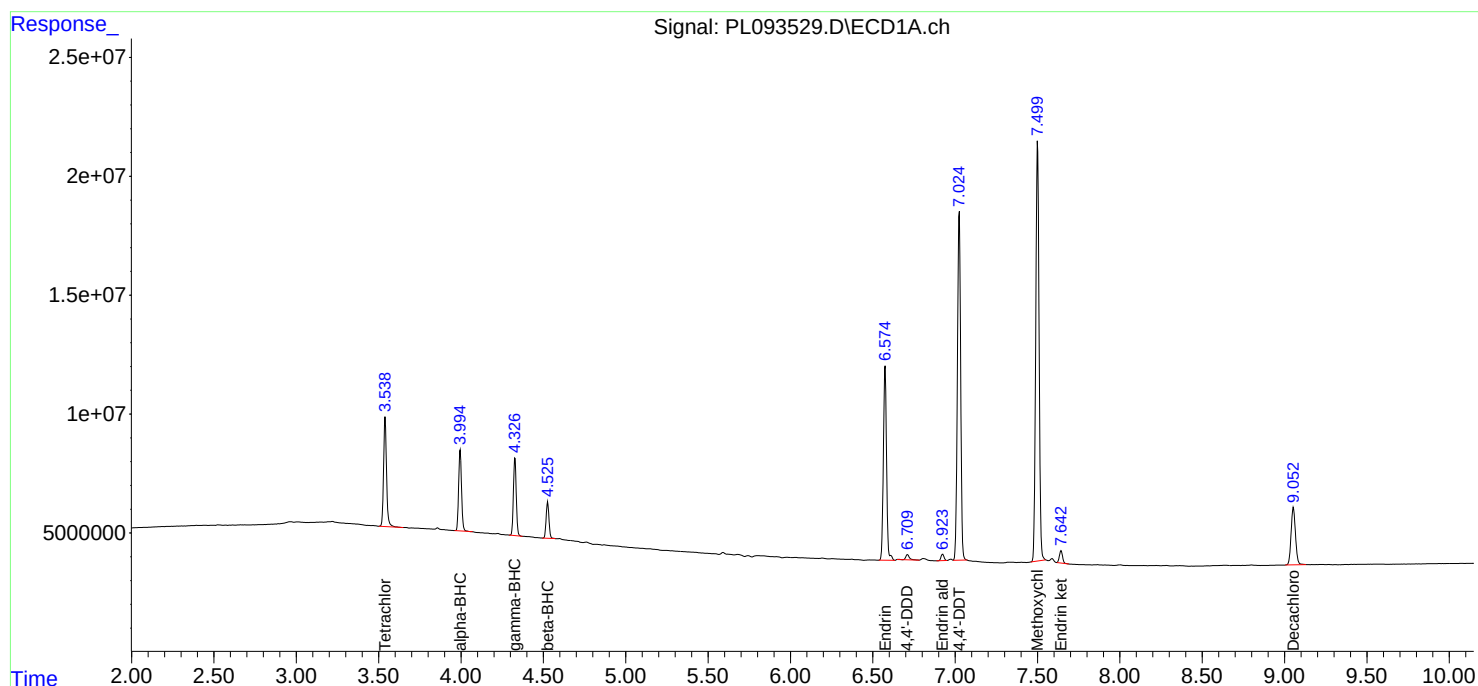
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

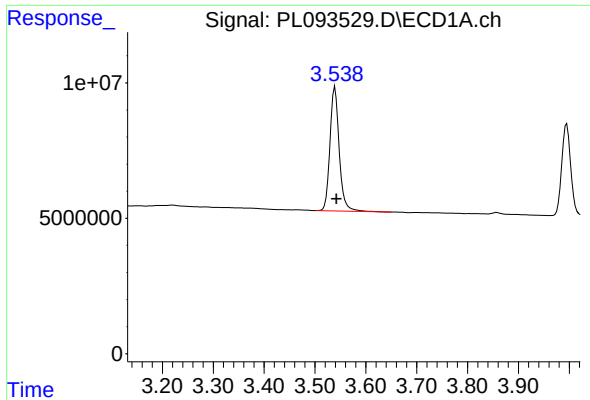
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
Data File : PL093529.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Dec 2024 10:16
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 28 00:53:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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

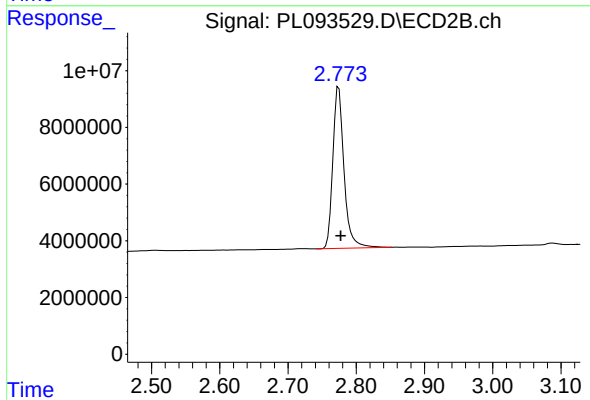




#1 Tetrachloro-m-xylene

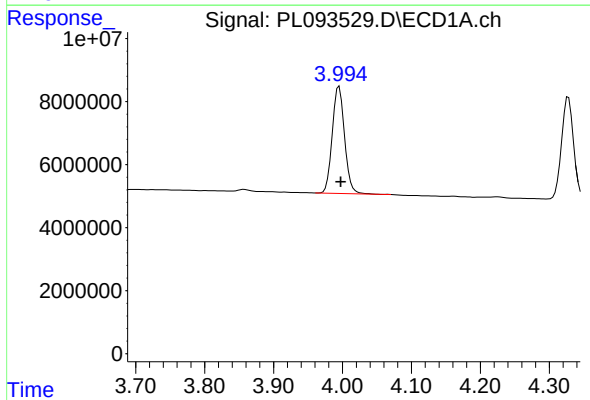
R.T.: 3.539 min
Delta R.T.: -0.003 min
Response: 57677825
Conc: 23.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



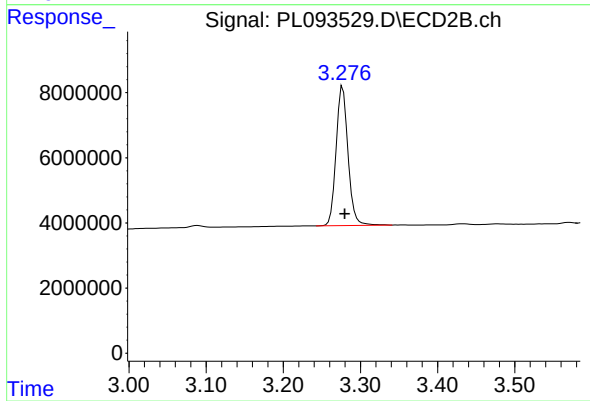
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: -0.003 min
Response: 64691613
Conc: 22.22 ng/ml



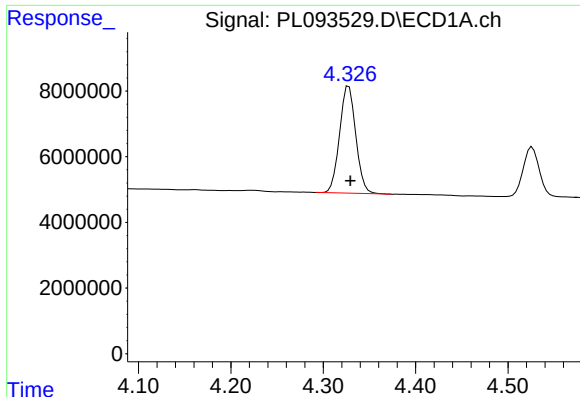
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: -0.002 min
Response: 41976854
Conc: 12.16 ng/ml



#2 alpha-BHC

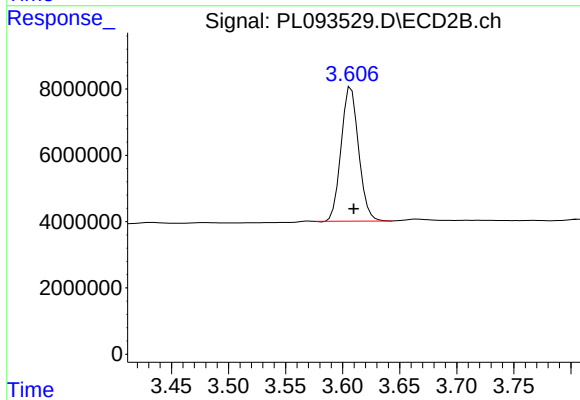
R.T.: 3.277 min
Delta R.T.: -0.003 min
Response: 46065465
Conc: 10.60 ng/ml



#3 gamma-BHC (Lindane)

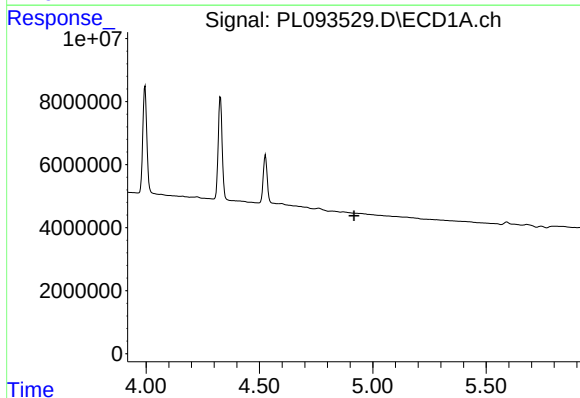
R.T.: 4.328 min
Delta R.T.: -0.002 min
Response: 39723505
Conc: 12.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



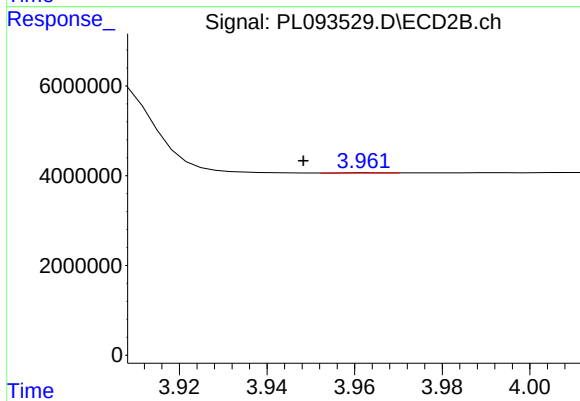
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: -0.002 min
Response: 43137874
Conc: 10.22 ng/ml



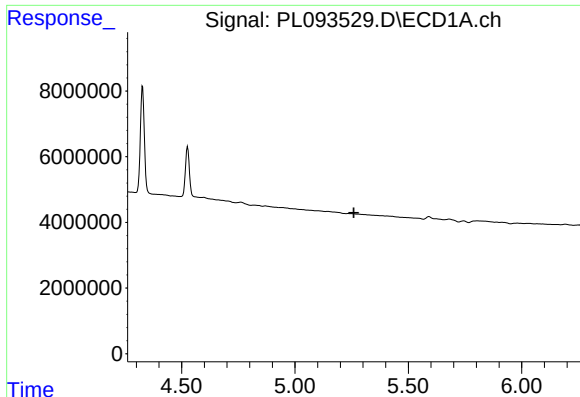
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.918 min
Response: 0
Conc: N.D.



#4 Heptachlor

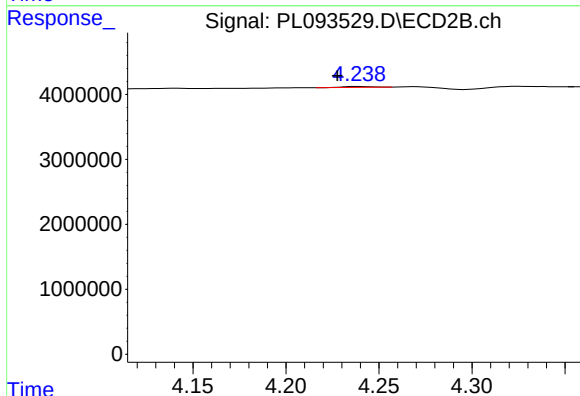
R.T.: 3.963 min
Delta R.T.: 0.015 min
Response: 57749
Conc: 0.01 ng/ml



#5 Aldrin

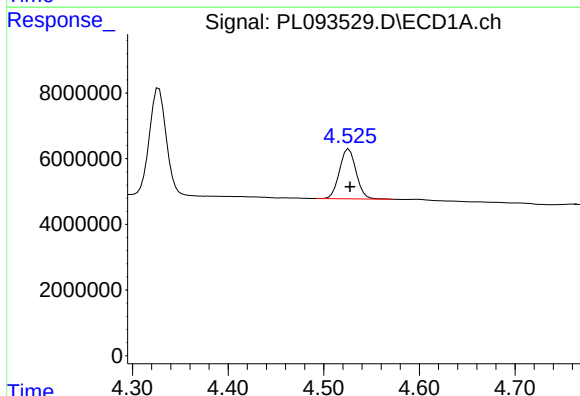
R.T.: 0.000 min
Exp R.T.: 5.259 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



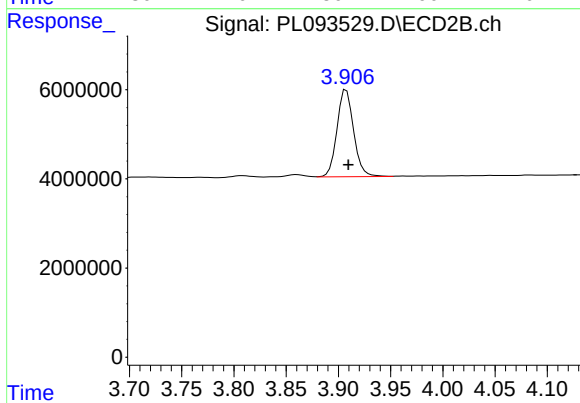
#5 Aldrin

R.T.: 4.239 min
Delta R.T.: 0.012 min
Response: 163633
Conc: 0.04 ng/ml



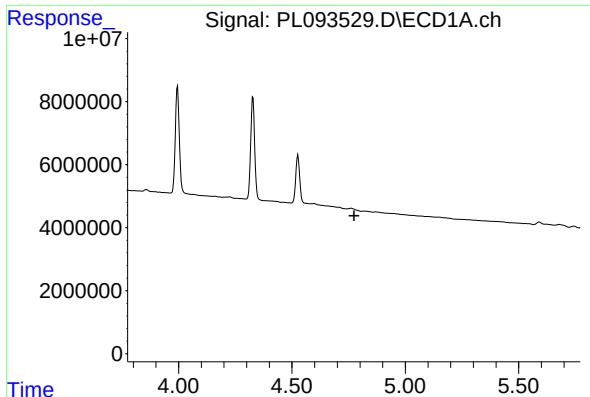
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: -0.001 min
Response: 18466591
Conc: 12.81 ng/ml



#6 beta-BHC

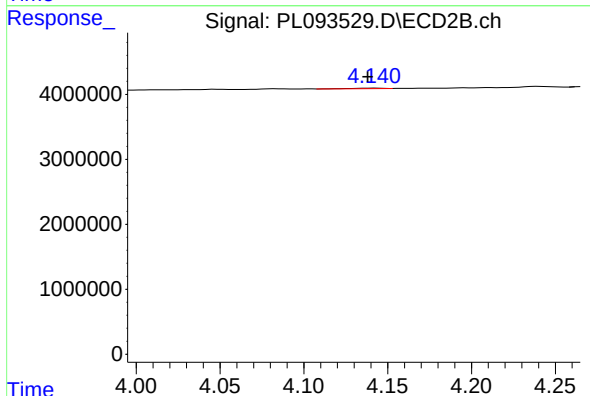
R.T.: 3.908 min
Delta R.T.: -0.002 min
Response: 21624937
Conc: 12.03 ng/ml



#7 delta-BHC

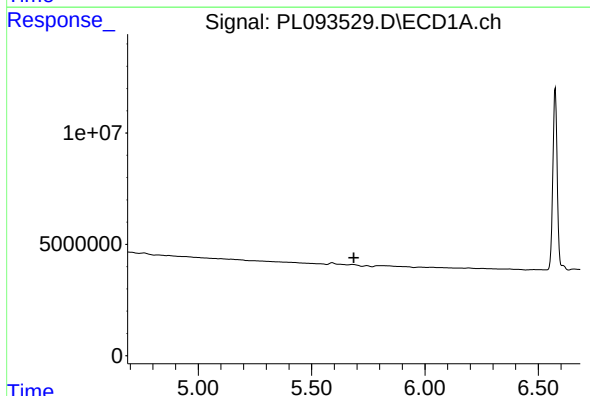
R.T.: 0.000 min
Exp R.T.: 4.775 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



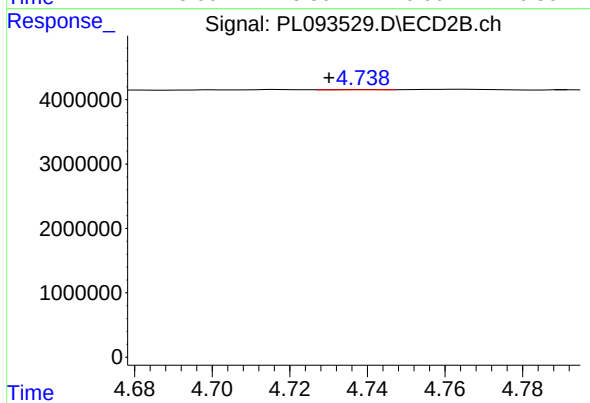
#7 delta-BHC

R.T.: 4.141 min
Delta R.T.: 0.003 min
Response: 122887
Conc: 0.03 ng/ml



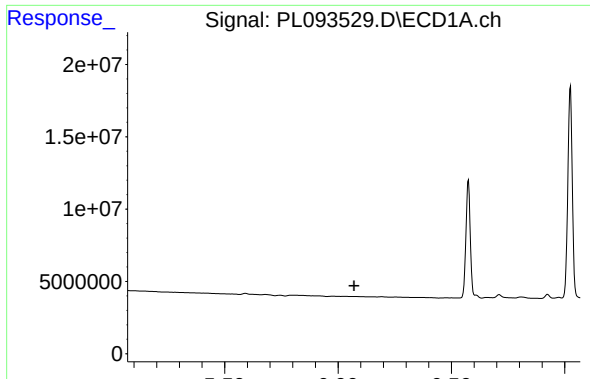
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T.: 5.686 min
Response: 0
Conc: N.D.



#8 Heptachlor epoxide

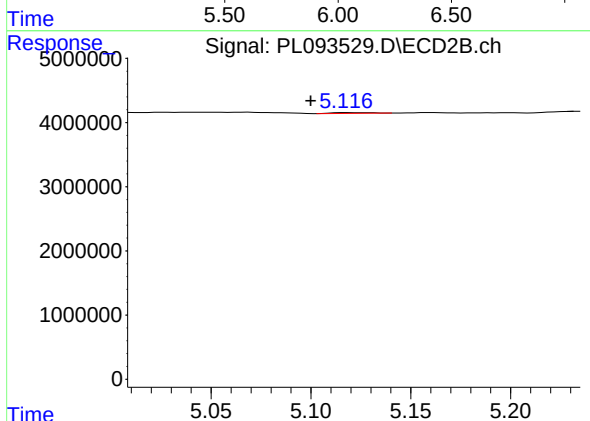
R.T.: 4.740 min
Delta R.T.: 0.010 min
Response: 20591
Conc: 0.01 ng/ml



#9 Endosulfan I

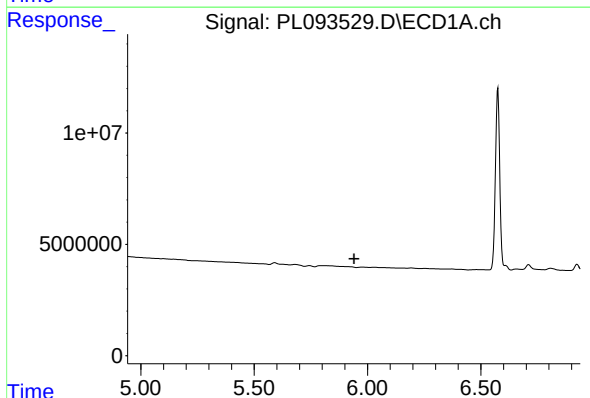
R.T.: 0.000 min
Exp R.T.: 6.071 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



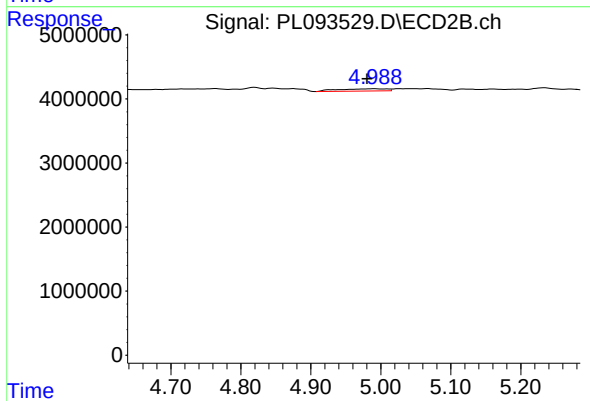
#9 Endosulfan I

R.T.: 5.118 min
Delta R.T.: 0.018 min
Response: 134916
Conc: 0.04 ng/ml



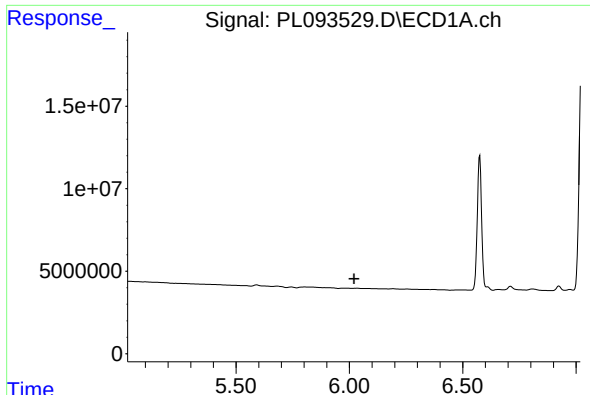
#10 gamma-Chlordane

R.T.: 0.000 min
Exp R.T.: 5.941 min
Response: 0
Conc: N.D.



#10 gamma-Chlordane

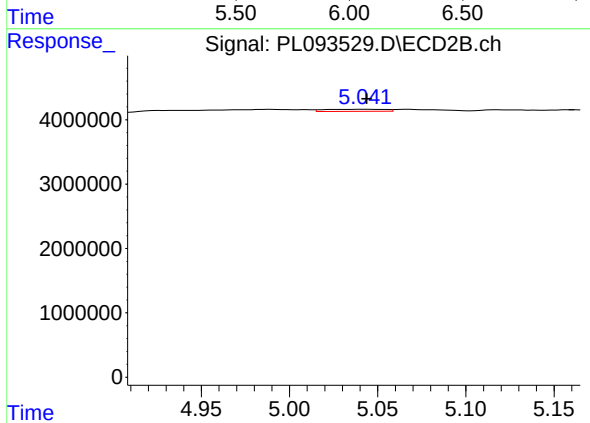
R.T.: 4.990 min
Delta R.T.: 0.009 min
Response: 1743625
Conc: 0.45 ng/ml



#11 alpha-Chlordane

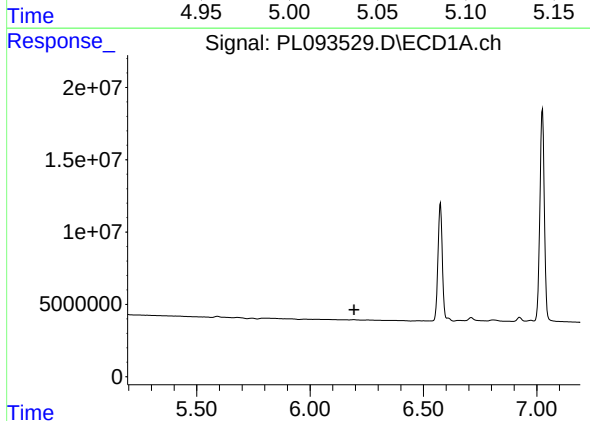
R.T.: 0.000 min
Exp R.T.: 6.020 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



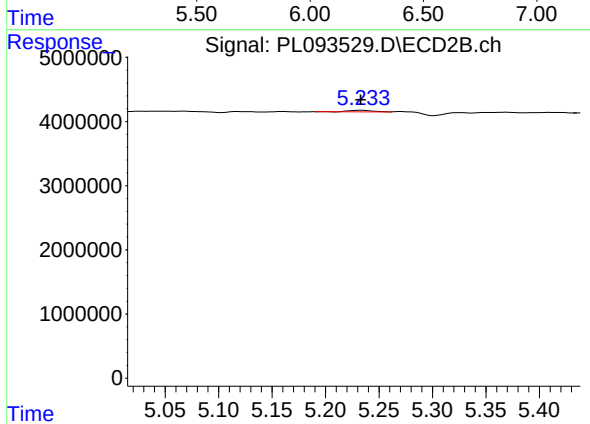
#11 alpha-Chlordane

R.T.: 5.043 min
Delta R.T.: 0.000 min
Response: 748971
Conc: 0.20 ng/ml



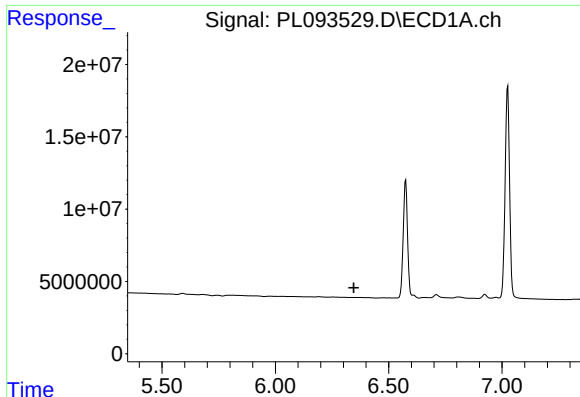
#12 4,4'-DDE

R.T.: 0.000 min
Exp R.T.: 6.194 min
Response: 0
Conc: N.D.



#12 4,4'-DDE

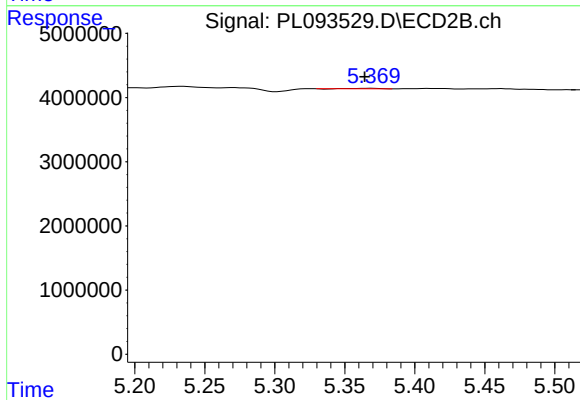
R.T.: 5.234 min
Delta R.T.: 0.001 min
Response: 382679
Conc: 0.10 ng/ml



#13 Dieldrin

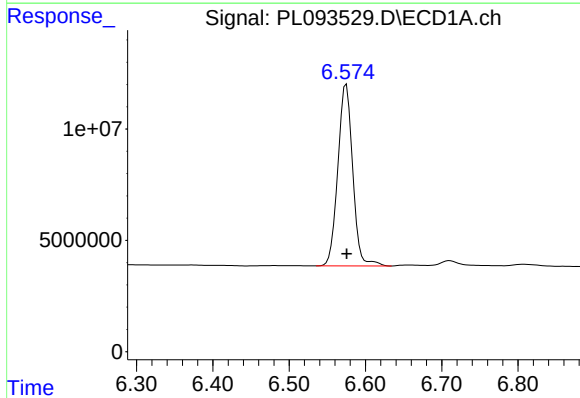
R.T.: 0.000 min
Exp R.T.: 6.346 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



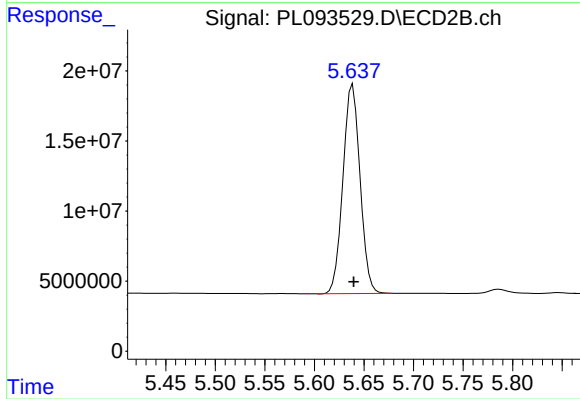
#13 Dieldrin

R.T.: 5.370 min
Delta R.T.: 0.006 min
Response: 70871
Conc: 0.02 ng/ml



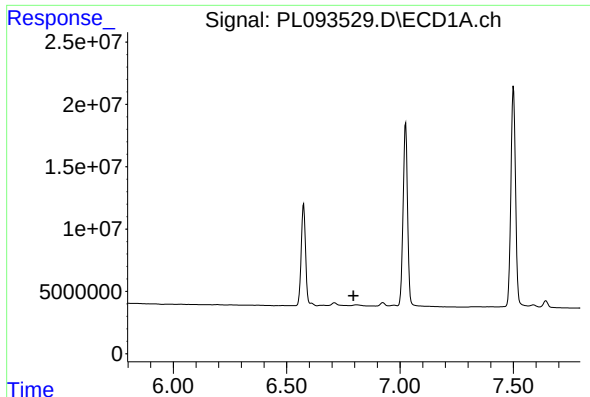
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 110244726
Conc: 51.22 ng/ml



#14 Endrin

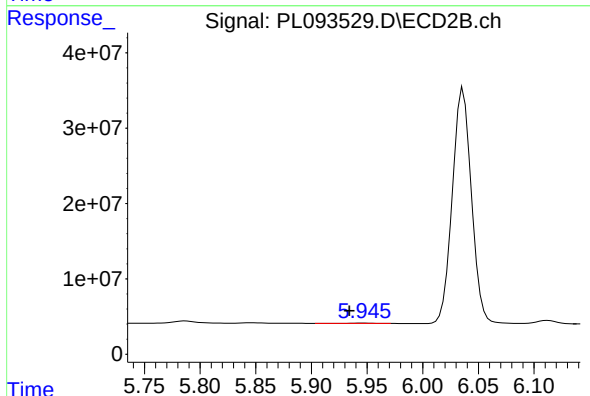
R.T.: 5.639 min
Delta R.T.: 0.000 min
Response: 179260867
Conc: 54.18 ng/ml



#15 Endosulfan II

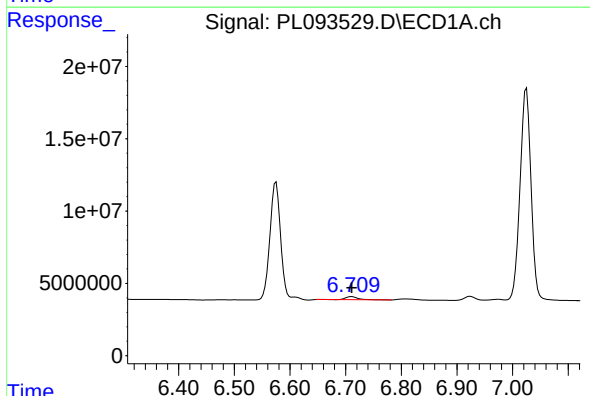
R.T.: 0.000 min
Exp R.T.: 6.795 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



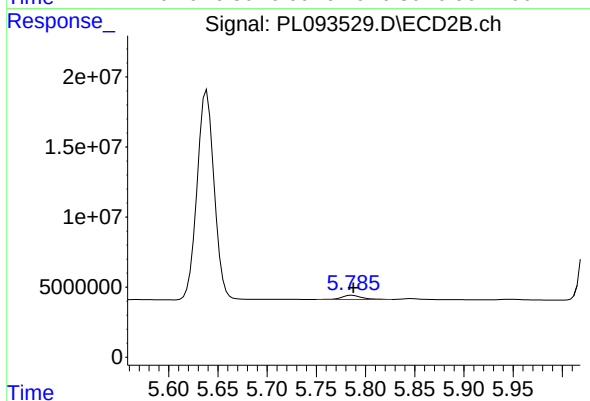
#15 Endosulfan II

R.T.: 5.947 min
Delta R.T.: 0.013 min
Response: 489915
Conc: 0.15 ng/ml



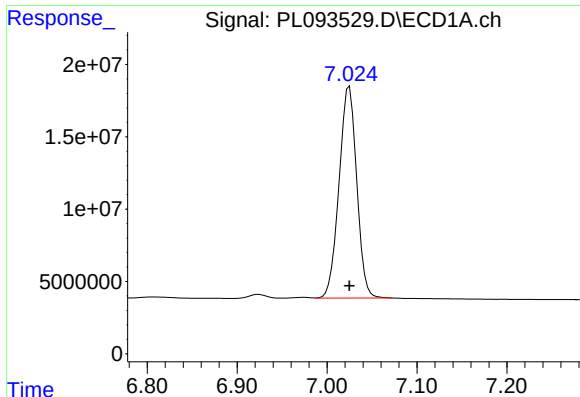
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.000 min
Response: 3374779
Conc: 1.92 ng/ml



#16 4,4'-DDD

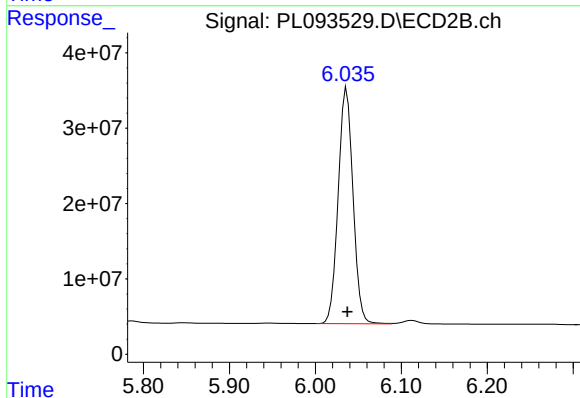
R.T.: 5.786 min
Delta R.T.: -0.001 min
Response: 4142599
Conc: 1.46 ng/ml



#17 4,4'-DDT

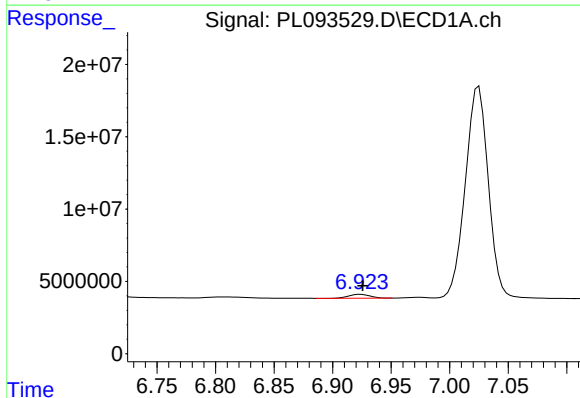
R.T.: 7.025 min
Delta R.T.: 0.000 min
Response: 199671539
Conc: 108.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



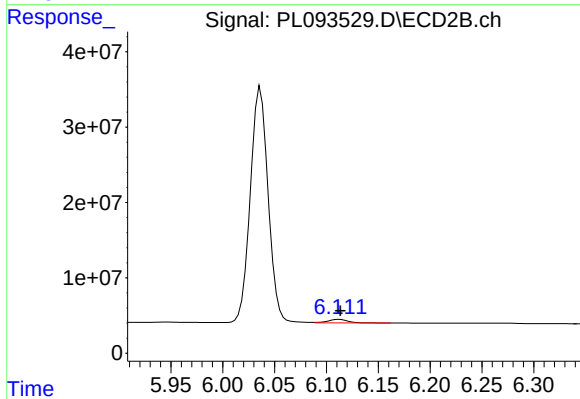
#17 4,4'-DDT

R.T.: 6.036 min
Delta R.T.: 0.000 min
Response: 374097020
Conc: 123.86 ng/ml



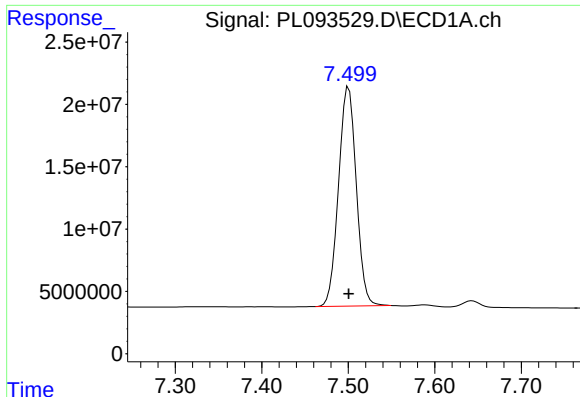
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: -0.002 min
Response: 3419745
Conc: 1.93 ng/ml



#18 Endrin aldehyde

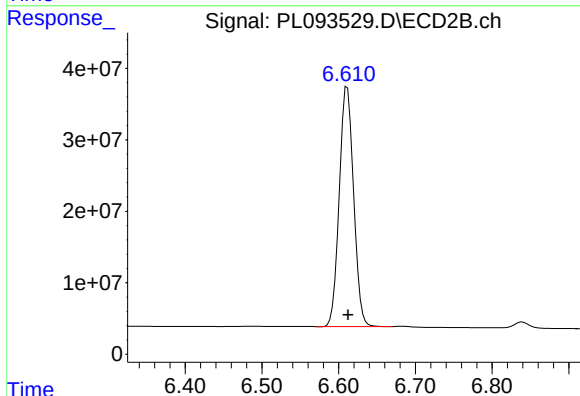
R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 5989550
Conc: 2.22 ng/ml



#20 Methoxychlor

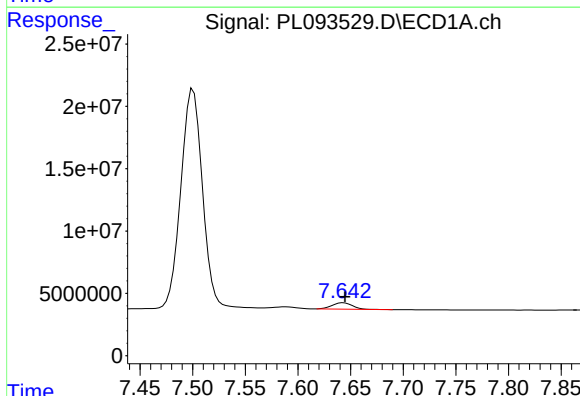
R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 249666098
Conc: 249.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



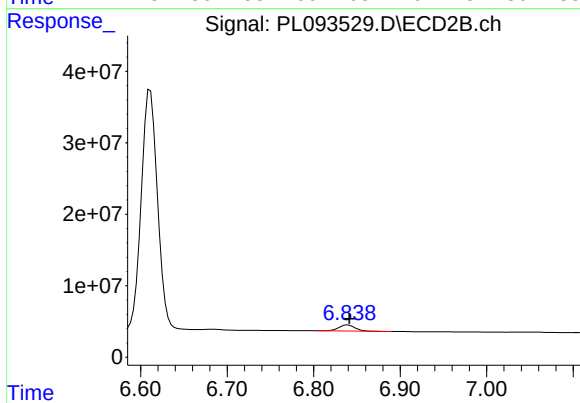
#20 Methoxychlor

R.T.: 6.611 min
Delta R.T.: -0.001 min
Response: 437013067
Conc: 271.50 ng/ml



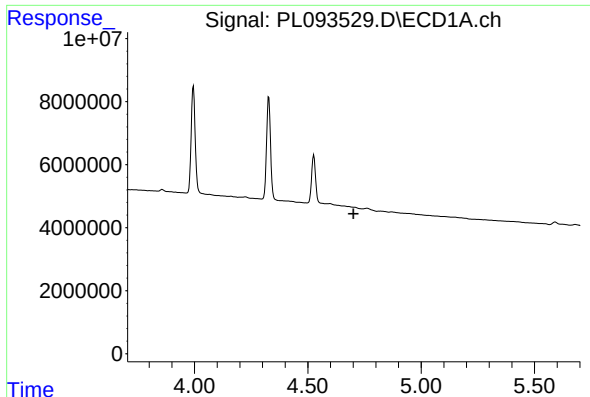
#21 Endrin ketone

R.T.: 7.643 min
Delta R.T.: -0.002 min
Response: 6730429
Conc: 3.00 ng/ml



#21 Endrin ketone

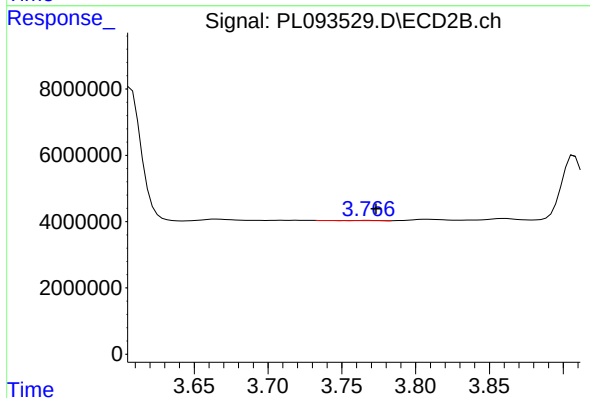
R.T.: 6.839 min
Delta R.T.: -0.002 min
Response: 10360464
Conc: 2.85 ng/ml



#23 Chlordane-1

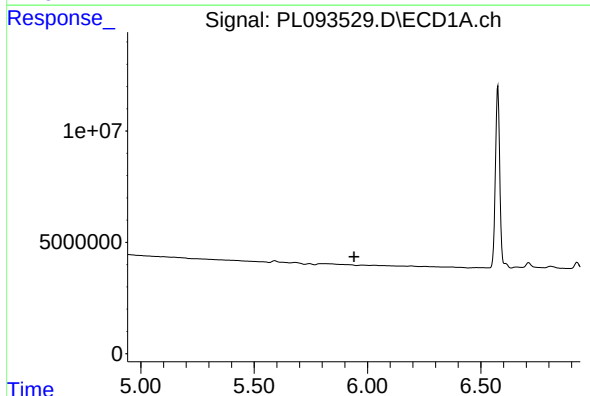
R.T.: 0.000 min
Exp R.T.: 4.702 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



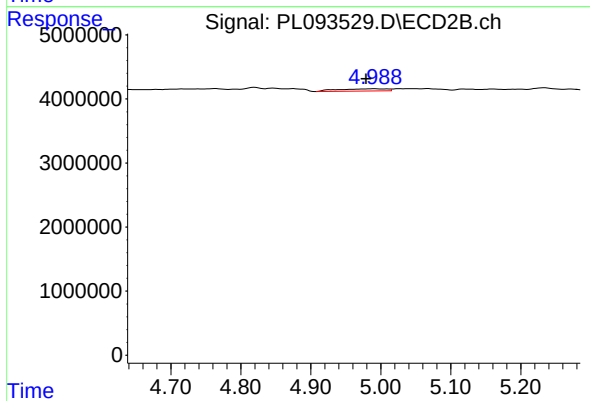
#23 Chlordane-1

R.T.: 3.768 min
Delta R.T.: -0.005 min
Response: 56831
Conc: 0.47 ng/ml



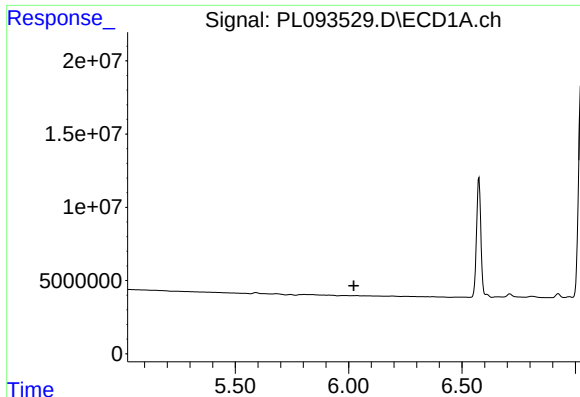
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T.: 5.941 min
Response: 0
Conc: N.D.



#25 Chlordane-3

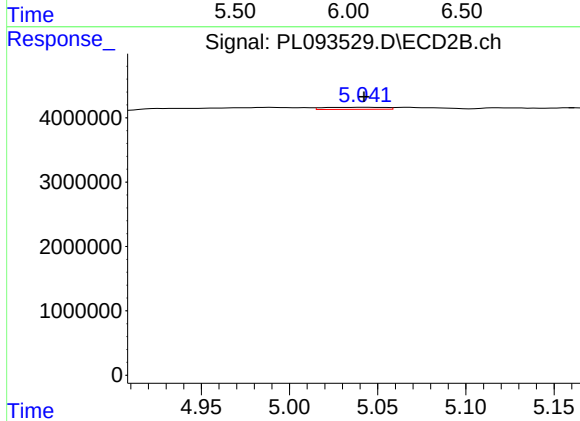
R.T.: 4.990 min
Delta R.T.: 0.010 min
Response: 1743625
Conc: 4.11 ng/ml



#26 Chlordane-4

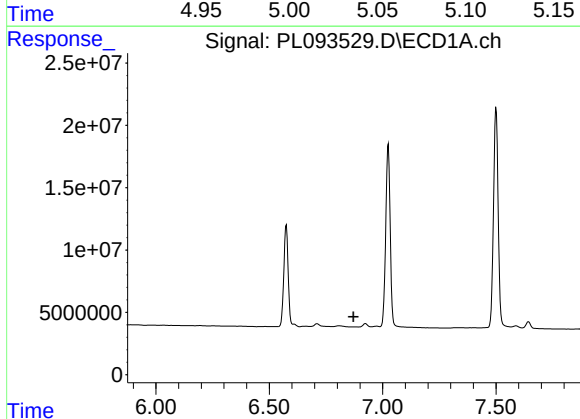
R.T.: 0.000 min
Exp R.T.: 6.023 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



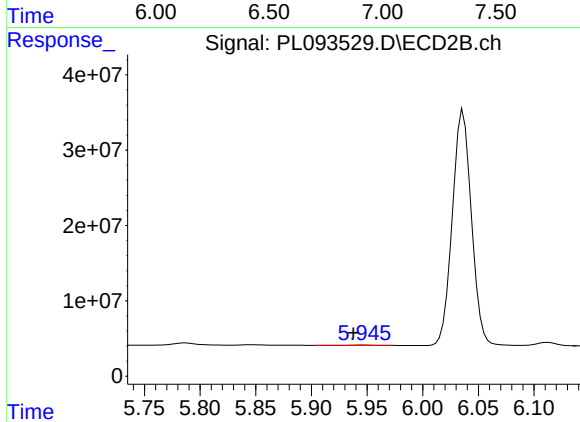
#26 Chlordane-4

R.T.: 5.043 min
Delta R.T.: 0.000 min
Response: 748971
Conc: 1.82 ng/ml



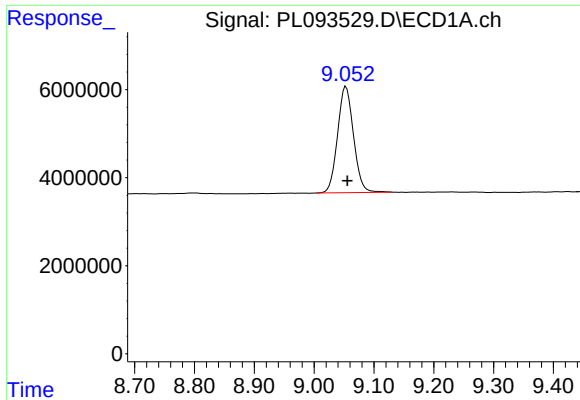
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T.: 6.872 min
Response: 0
Conc: N.D.



#27 Chlordane-5

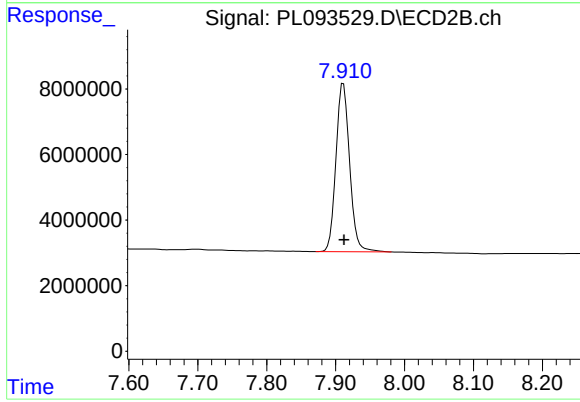
R.T.: 5.947 min
Delta R.T.: 0.009 min
Response: 489915
Conc: 3.68 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.002 min
Response: 44752922
Conc: 24.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 7.911 min
Delta R.T.: -0.001 min
Response: 70751622
Conc: 23.70 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
 Data File : PL093541.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Dec 2024 14:32
 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: Dec 28 00:57:31 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 15:29:41 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.539	2.774	130.2E6	157.5E6	52.589	54.117
2)	SA Decachlor...	9.054	7.912	95503809	158.6E6	51.651	53.115
Target Compounds							
2)	A alpha-BHC	3.995	3.277	183.4E6	240.9E6	53.127	55.422
3)	MA gamma-BHC...	4.327	3.608	174.7E6	233.8E6	53.260	55.407
4)	MA Heptachlor	4.916	3.946	153.2E6	227.3E6	52.331	54.692
5)	MB Aldrin	5.257	4.226	151.9E6	226.7E6	52.224	55.274
6)	B beta-BHC	4.525	3.908	76370661	98948563	52.977	55.048
7)	B delta-BHC	4.773	4.136	166.7E6	239.3E6	54.435	56.577
8)	B Heptachlo...	5.684	4.729	137.9E6	207.4E6	52.338	54.169
9)	A Endosulfan I	6.070	5.098	122.1E6	180.9E6	51.751	51.765
10)	B gamma-Chl...	5.940	4.979	130.3E6	211.6E6	51.855	54.907
11)	B alpha-Chl...	6.019	5.042	130.6E6	207.3E6	52.167	54.438
12)	B 4,4'-DDE	6.193	5.231	119.4E6	205.6E6	53.200	55.915
13)	MA Dieldrin	6.345	5.362	129.2E6	210.2E6	51.791	54.547
14)	MA Endrin	6.574	5.638	112.6E6	181.6E6	52.315	54.878
15)	B Endosulfa...	6.794	5.933	112.4E6	180.2E6	49.462	55.479
16)	A 4,4'-DDD	6.709	5.786	97729958	163.3E6	55.656	57.716
17)	MA 4,4'-DDT	7.024	6.037	96544968	164.3E6	52.228	54.401
18)	B Endrin al...	6.924	6.112	91177159	145.0E6	51.381	53.831
19)	B Endosulfa...	7.158	6.335	104.6E6	172.0E6	51.815	54.521
20)	A Methoxychlor	7.500	6.611	53535568	87904365	53.553	54.611
21)	B Endrin ke...	7.643	6.840	116.9E6	196.8E6	52.110	54.048
22)	Mirex	8.117	7.020	94046492	156.8E6	50.327	51.301
24)	Chlordane-2	5.257f	4.365	151.9E6	5474380	1381.963	39.438 #
25)	Chlordane-3	5.940	4.979	130.3E6	211.6E6	342.869	498.535 #
26)	Chlordane-4	6.019	5.042	130.6E6	207.3E6	287.382	503.881 #
27)	Chlordane-5	0.000	5.933	0	180.2E6	N.D.	1353.790 #

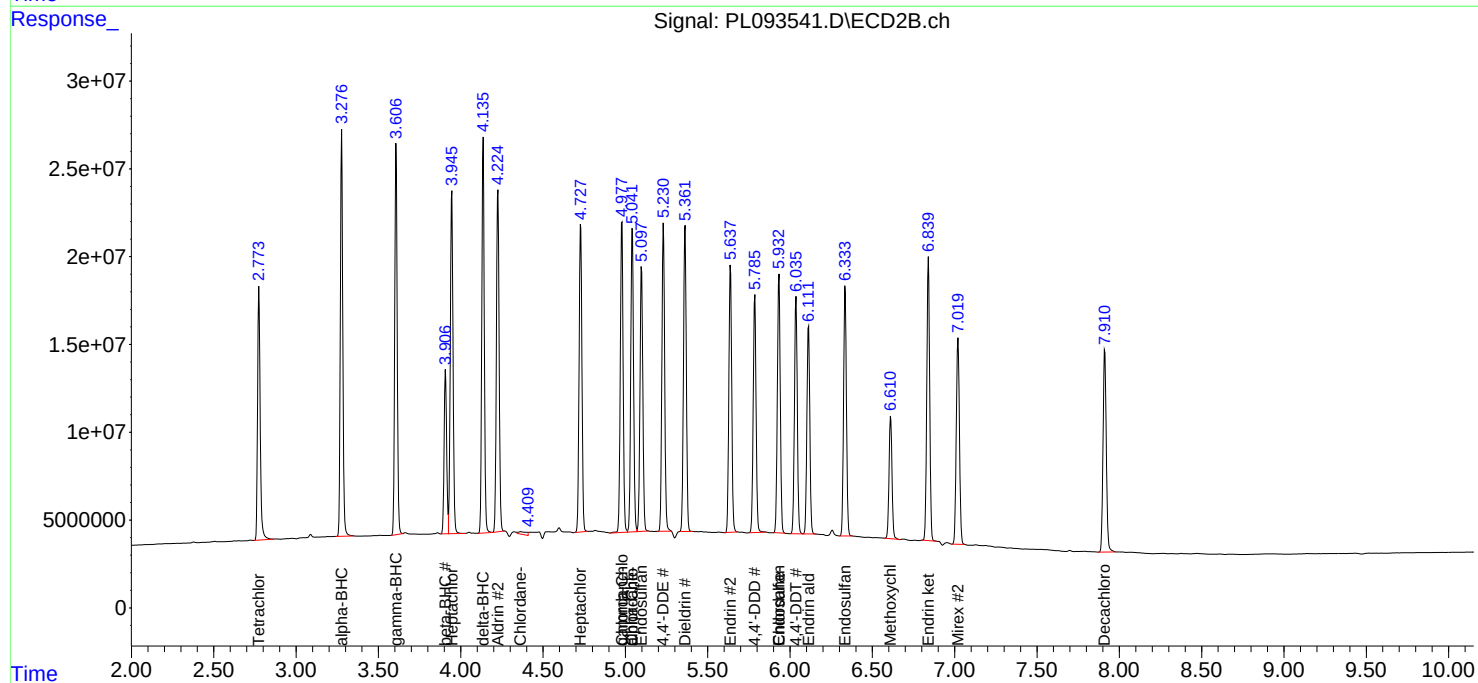
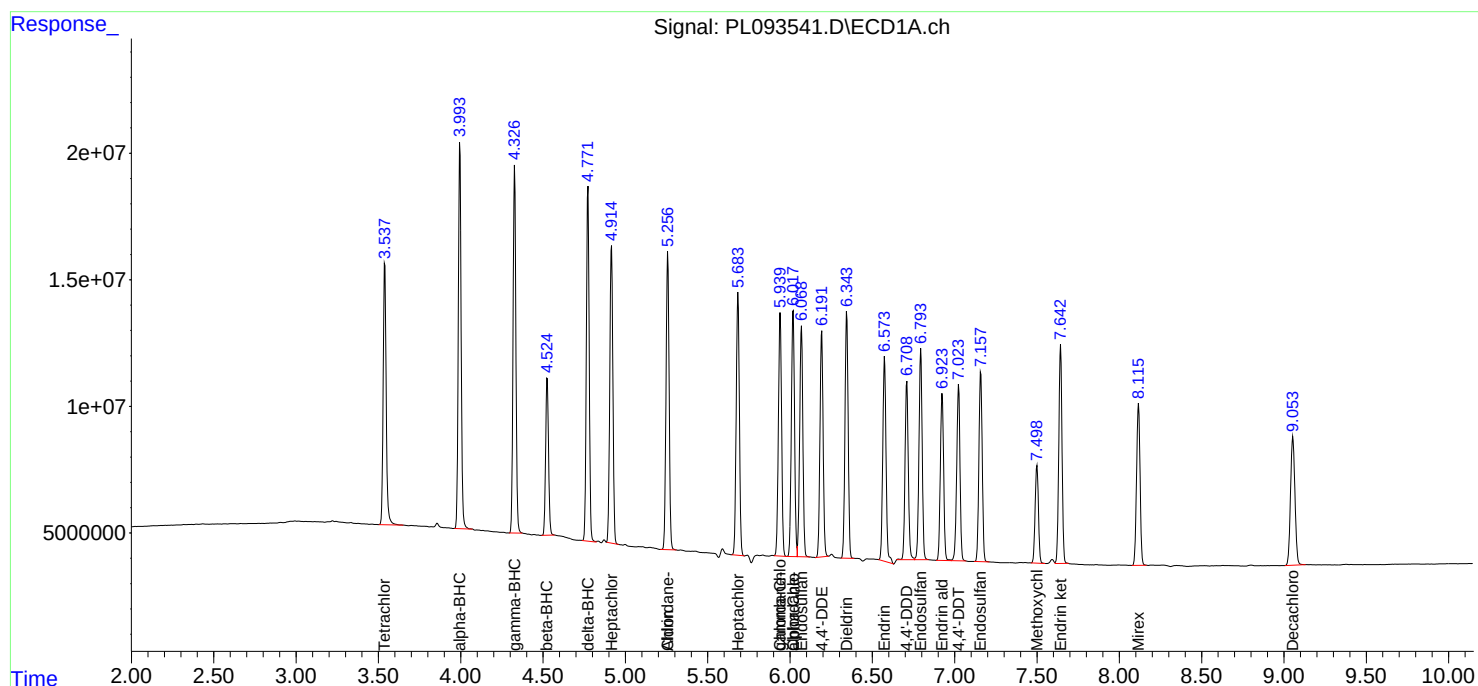
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

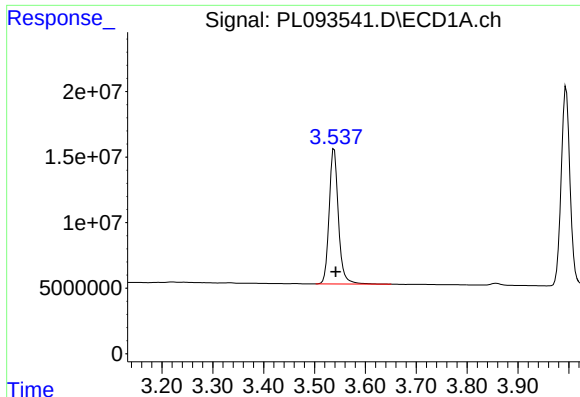
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
Data File : PL093541.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Dec 2024 14:32
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 28 00:57:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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

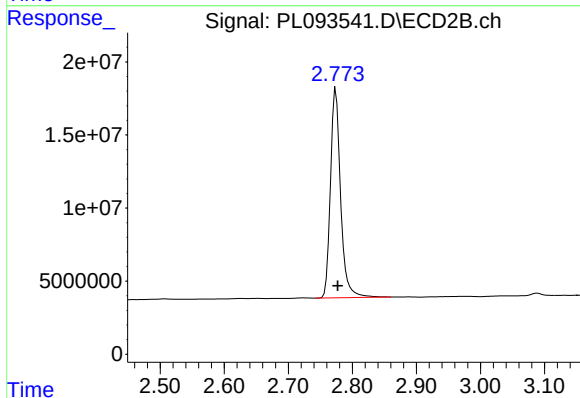




#1 Tetrachloro-m-xylene

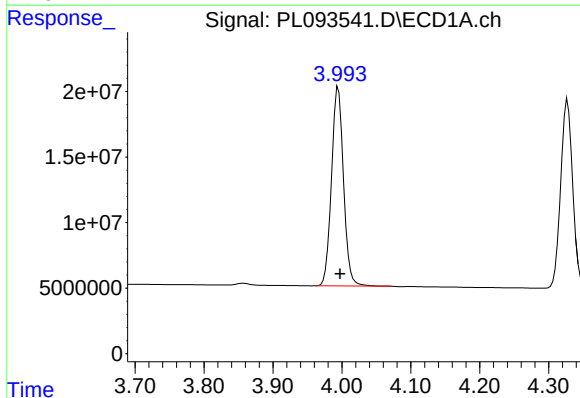
R.T.: 3.539 min
Delta R.T.: -0.003 min
Response: 130194258
Conc: 52.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



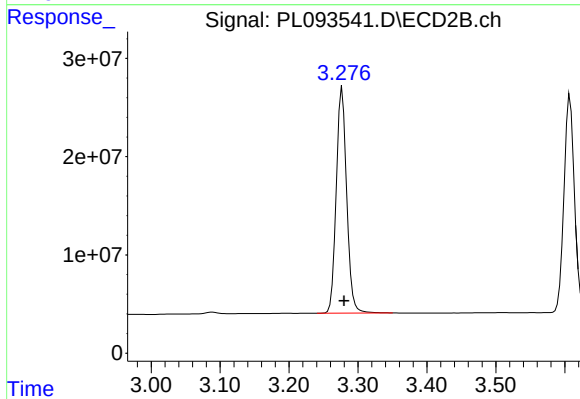
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: -0.003 min
Response: 157545989
Conc: 54.12 ng/ml



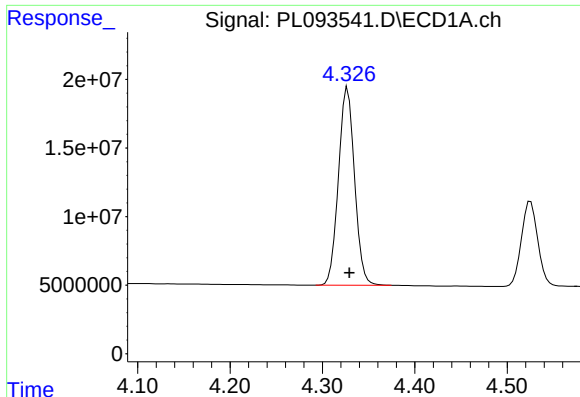
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: -0.002 min
Response: 183415347
Conc: 53.13 ng/ml



#2 alpha-BHC

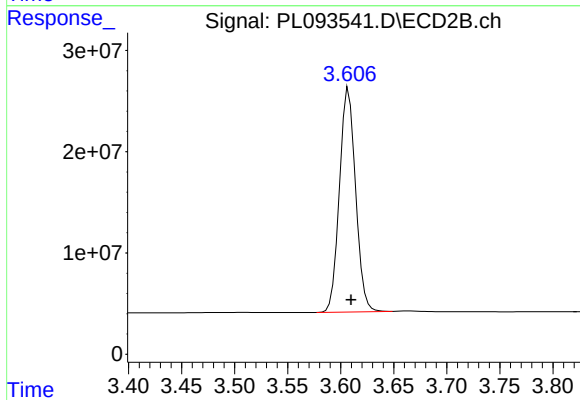
R.T.: 3.277 min
Delta R.T.: -0.003 min
Response: 240906509
Conc: 55.42 ng/ml



#3 gamma-BHC (Lindane)

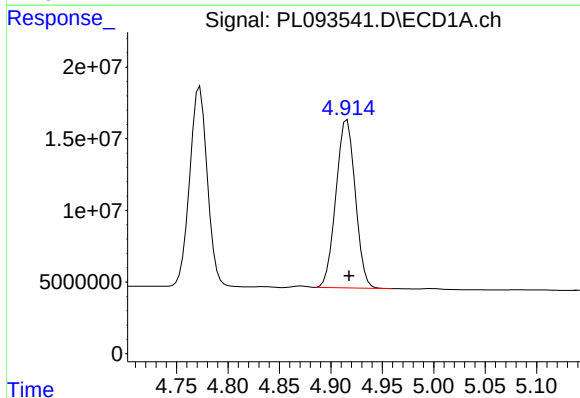
R.T.: 4.327 min
Delta R.T.: -0.002 min
Response: 174661804
Conc: 53.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



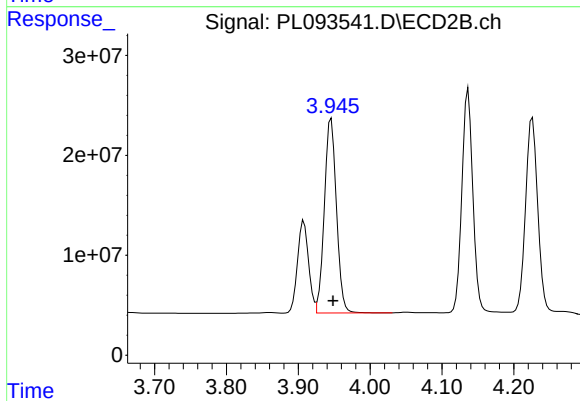
#3 gamma-BHC (Lindane)

R.T.: 3.608 min
Delta R.T.: -0.002 min
Response: 233783062
Conc: 55.41 ng/ml



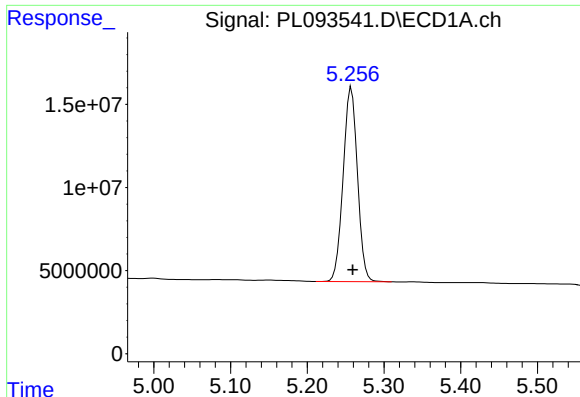
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: -0.002 min
Response: 153241993
Conc: 52.33 ng/ml



#4 Heptachlor

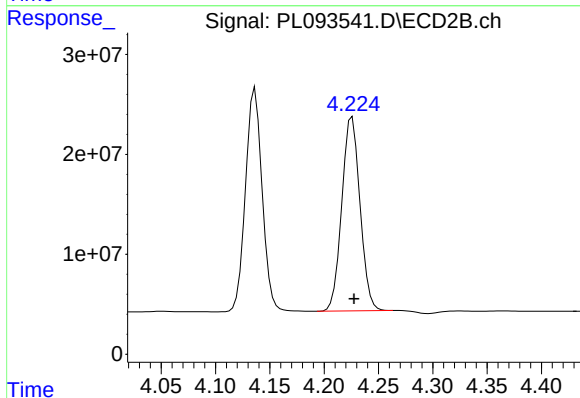
R.T.: 3.946 min
Delta R.T.: -0.002 min
Response: 227296779
Conc: 54.69 ng/ml



#5 Aldrin

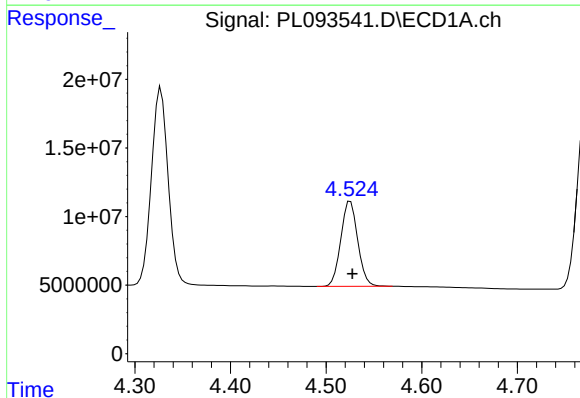
R.T.: 5.257 min
Delta R.T.: -0.002 min
Response: 151911125
Conc: 52.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



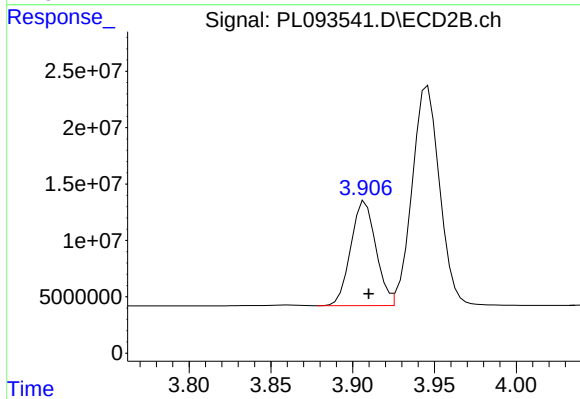
#5 Aldrin

R.T.: 4.226 min
Delta R.T.: -0.002 min
Response: 226749023
Conc: 55.27 ng/ml



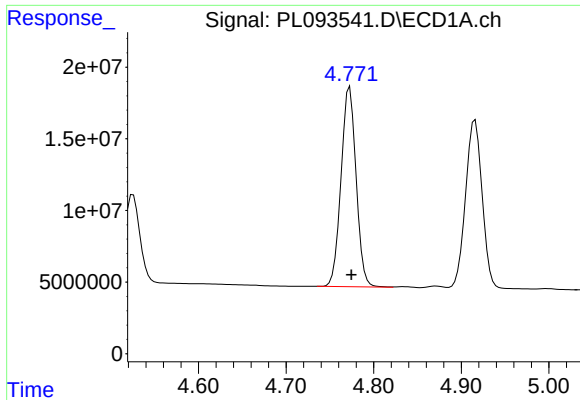
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: -0.002 min
Response: 76370661
Conc: 52.98 ng/ml



#6 beta-BHC

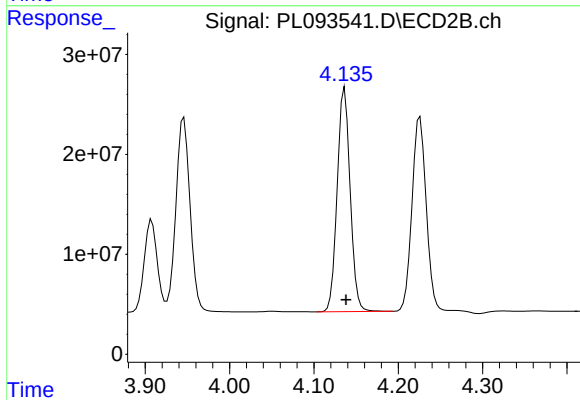
R.T.: 3.908 min
Delta R.T.: -0.002 min
Response: 98948563
Conc: 55.05 ng/ml



#7 delta-BHC

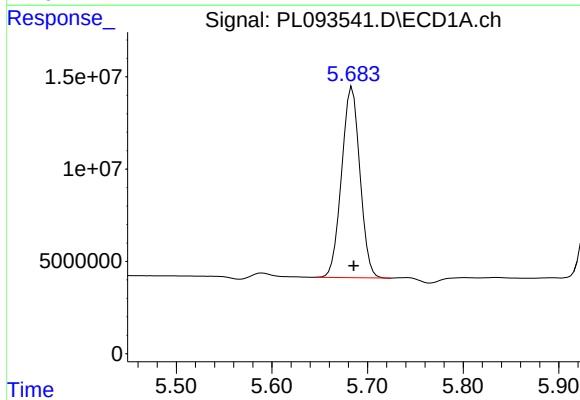
R.T.: 4.773 min
Delta R.T.: -0.002 min
Response: 166712800
Conc: 54.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



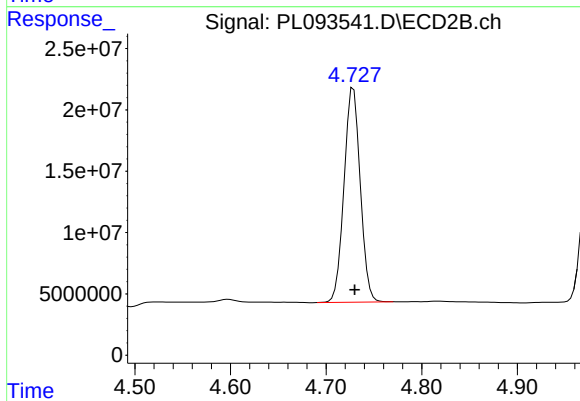
#7 delta-BHC

R.T.: 4.136 min
Delta R.T.: -0.002 min
Response: 239255807
Conc: 56.58 ng/ml



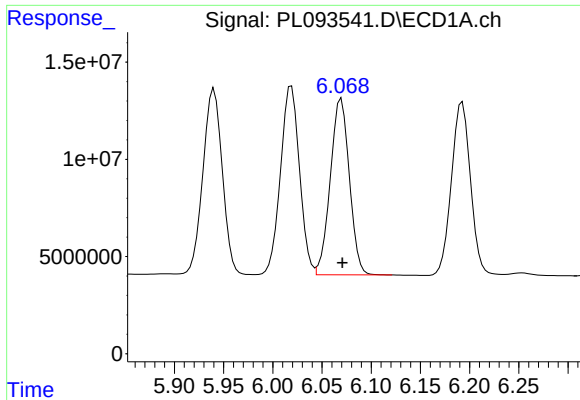
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: -0.002 min
Response: 137877438
Conc: 52.34 ng/ml



#8 Heptachlor epoxide

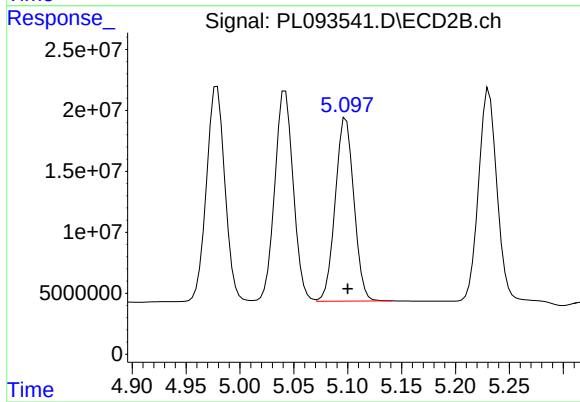
R.T.: 4.729 min
Delta R.T.: -0.002 min
Response: 207396466
Conc: 54.17 ng/ml



#9 Endosulfan I

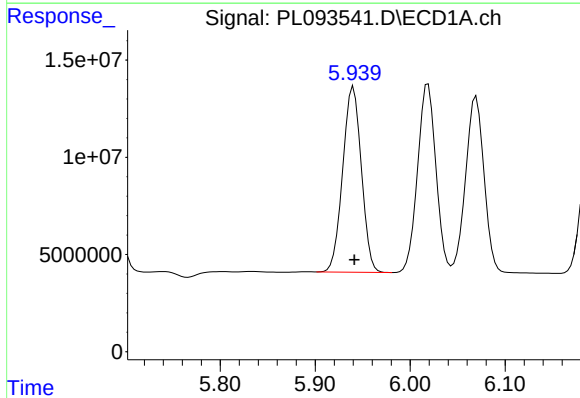
R.T.: 6.070 min
Delta R.T.: -0.001 min
Response: 122092883
Conc: 51.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



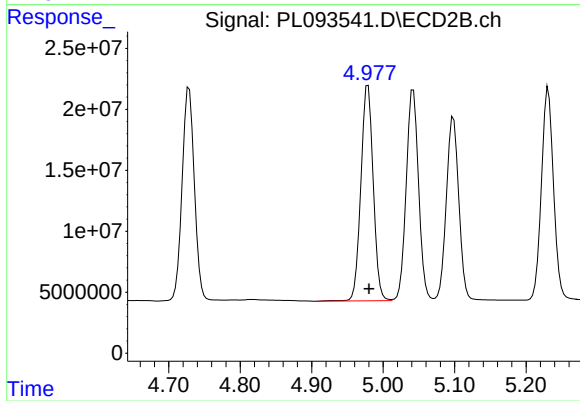
#9 Endosulfan I

R.T.: 5.098 min
Delta R.T.: -0.002 min
Response: 180864778
Conc: 51.77 ng/ml



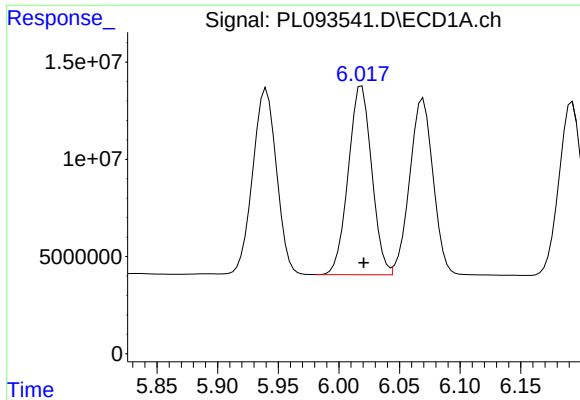
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.001 min
Response: 130315187
Conc: 51.85 ng/ml



#10 gamma-Chlordane

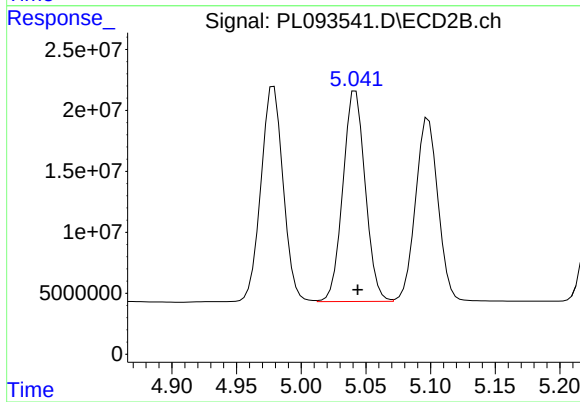
R.T.: 4.979 min
Delta R.T.: -0.002 min
Response: 211556858
Conc: 54.91 ng/ml



#11 alpha-Chlordane

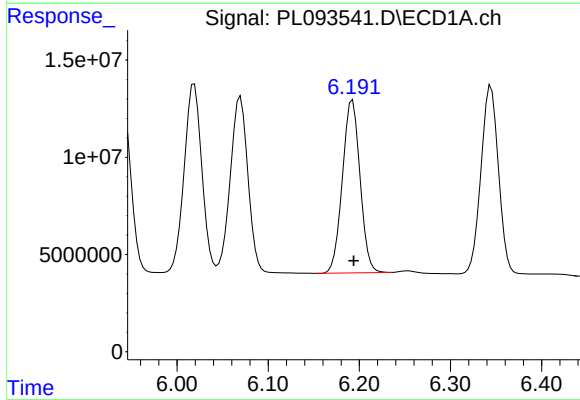
R.T.: 6.019 min
Delta R.T.: -0.002 min
Response: 130570041
Conc: 52.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



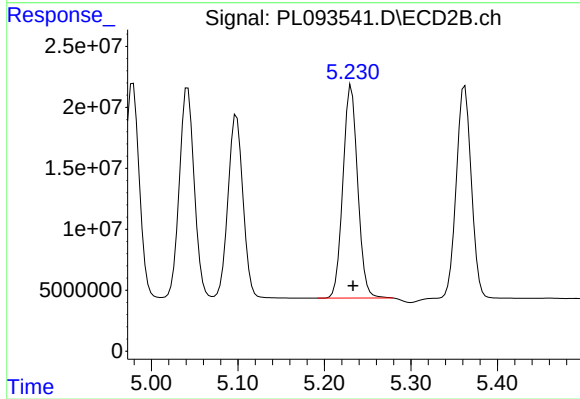
#11 alpha-Chlordane

R.T.: 5.042 min
Delta R.T.: -0.002 min
Response: 207265394
Conc: 54.44 ng/ml



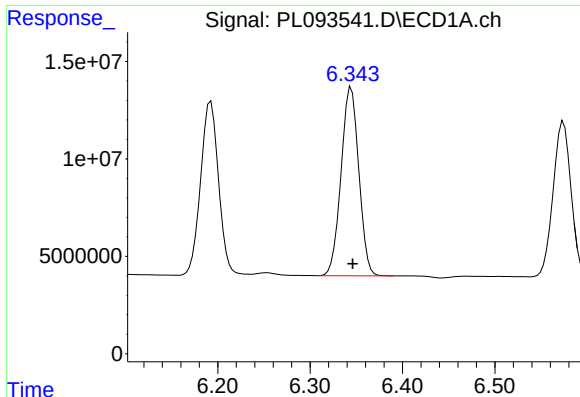
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: -0.001 min
Response: 119373643
Conc: 53.20 ng/ml



#12 4,4'-DDE

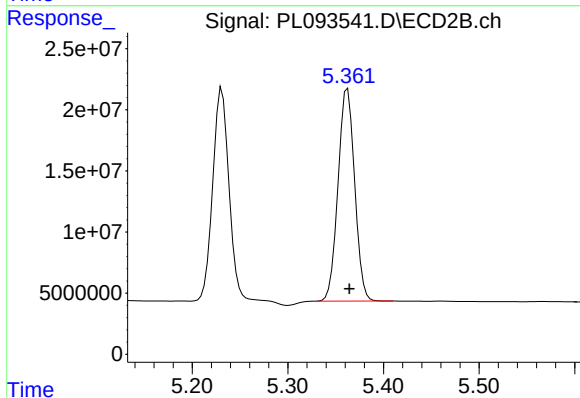
R.T.: 5.231 min
Delta R.T.: -0.002 min
Response: 205613552
Conc: 55.92 ng/ml



#13 Dieldrin

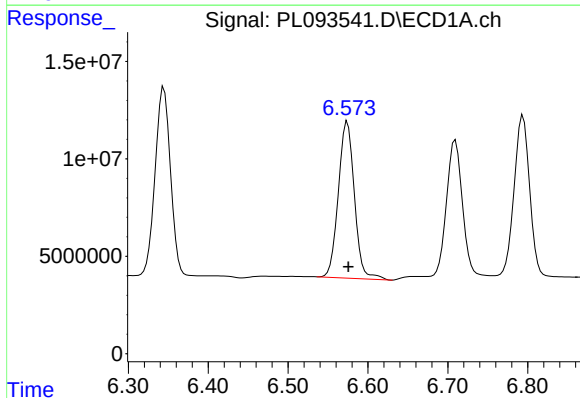
R.T.: 6.345 min
Delta R.T.: -0.001 min
Response: 129222423
Conc: 51.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



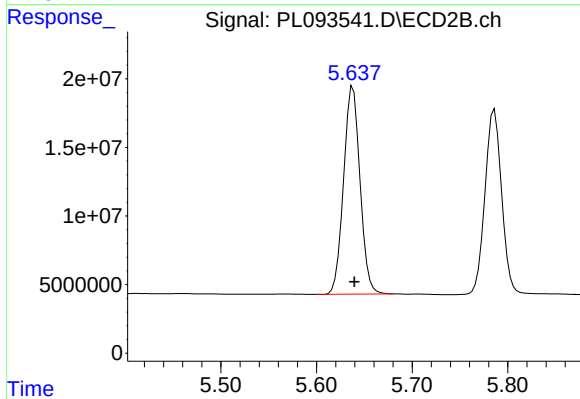
#13 Dieldrin

R.T.: 5.362 min
Delta R.T.: -0.002 min
Response: 210217206
Conc: 54.55 ng/ml



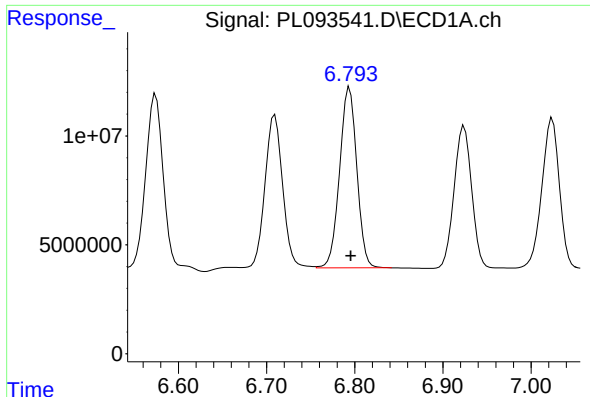
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.001 min
Response: 112605727
Conc: 52.32 ng/ml



#14 Endrin

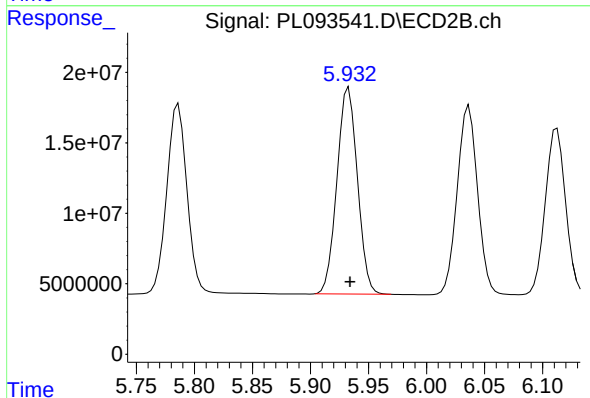
R.T.: 5.638 min
Delta R.T.: -0.002 min
Response: 181554809
Conc: 54.88 ng/ml



#15 Endosulfan II

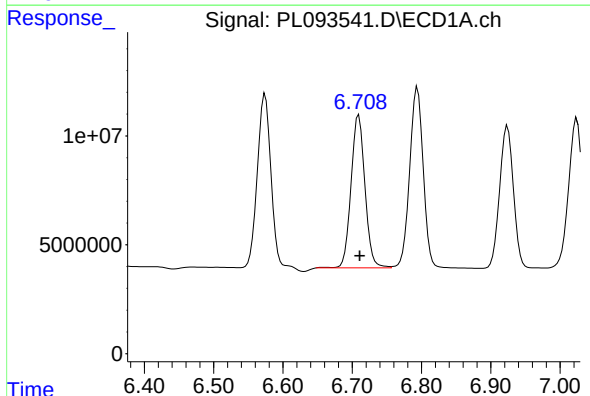
R.T.: 6.794 min
Delta R.T.: -0.001 min
Response: 112440085
Conc: 49.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



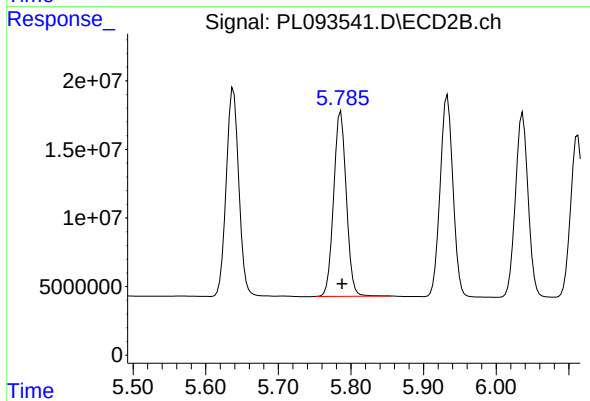
#15 Endosulfan II

R.T.: 5.933 min
Delta R.T.: -0.001 min
Response: 180248207
Conc: 55.48 ng/ml



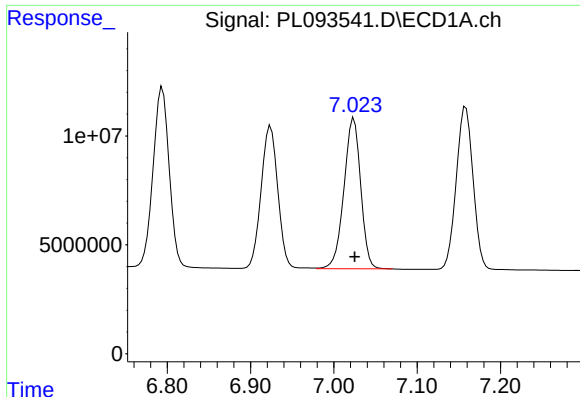
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: -0.002 min
Response: 97729958
Conc: 55.66 ng/ml



#16 4,4'-DDD

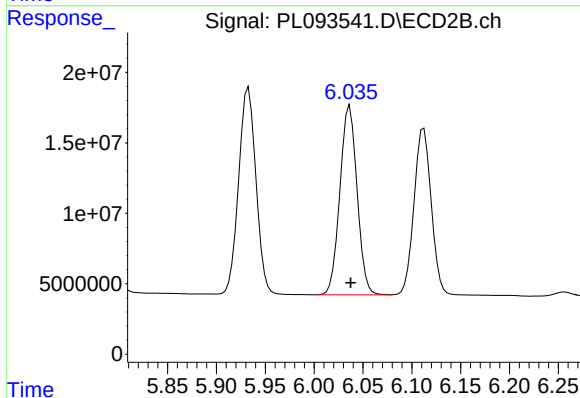
R.T.: 5.786 min
Delta R.T.: -0.002 min
Response: 163344583
Conc: 57.72 ng/ml



#17 4,4'-DDT

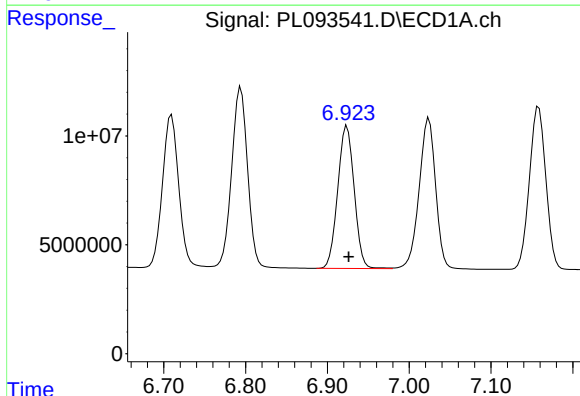
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 96544968
Conc: 52.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



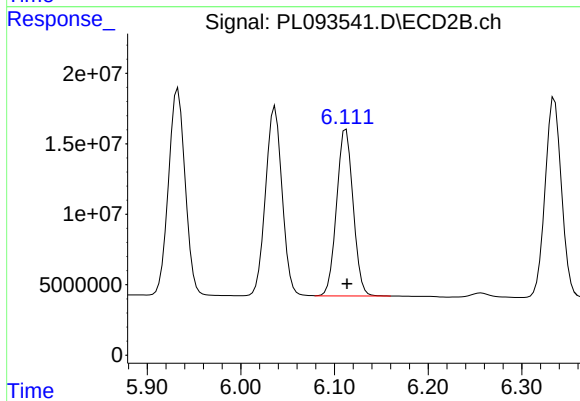
#17 4,4'-DDT

R.T.: 6.037 min
Delta R.T.: 0.000 min
Response: 164308313
Conc: 54.40 ng/ml



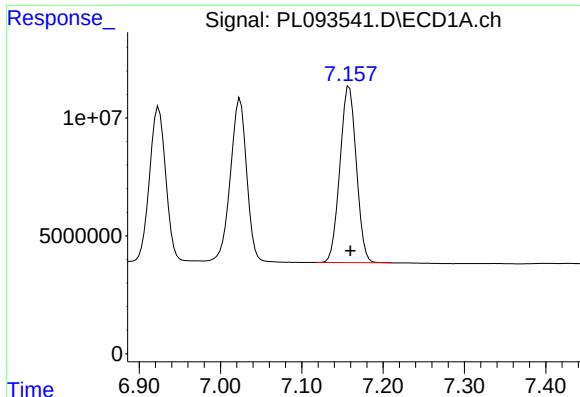
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: -0.002 min
Response: 91177159
Conc: 51.38 ng/ml



#18 Endrin aldehyde

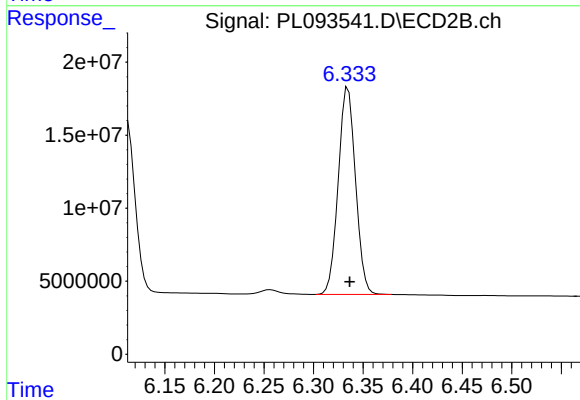
R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 144971365
Conc: 53.83 ng/ml



#19 Endosulfan Sulfate

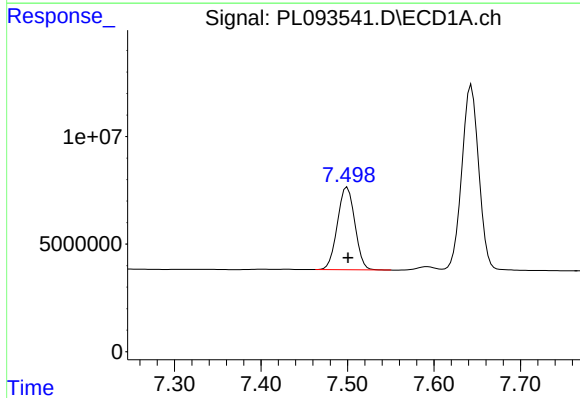
R.T.: 7.158 min
Delta R.T.: -0.001 min
Response: 104616518
Conc: 51.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



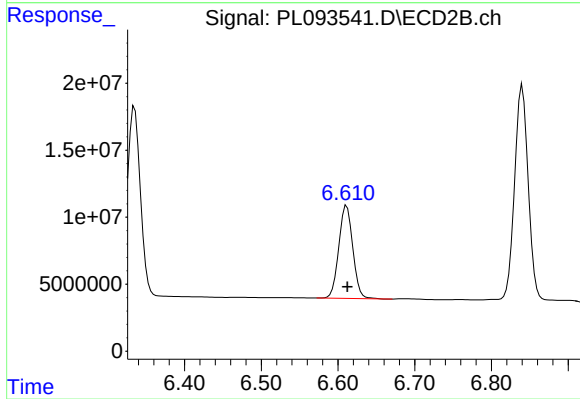
#19 Endosulfan Sulfate

R.T.: 6.335 min
Delta R.T.: -0.002 min
Response: 171983119
Conc: 54.52 ng/ml



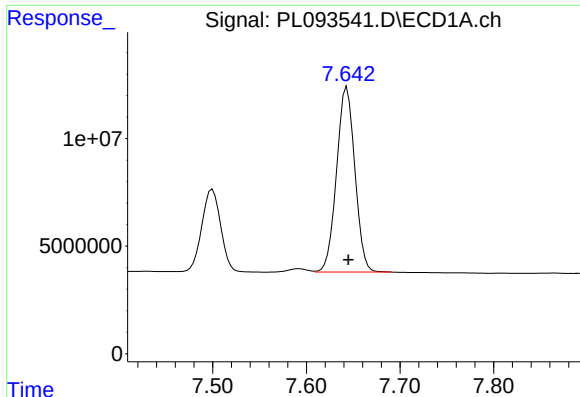
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 53535568
Conc: 53.55 ng/ml



#20 Methoxychlor

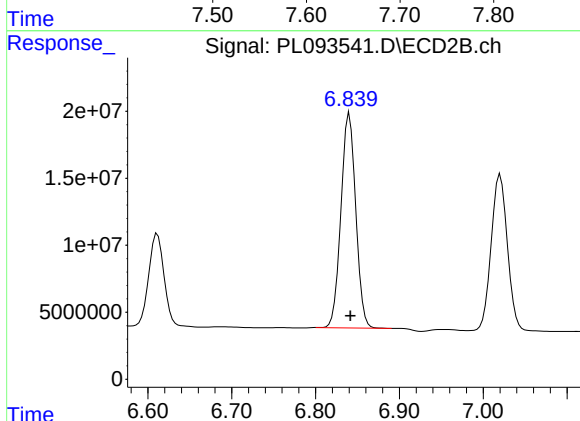
R.T.: 6.611 min
Delta R.T.: -0.001 min
Response: 87904365
Conc: 54.61 ng/ml



#21 Endrin ketone

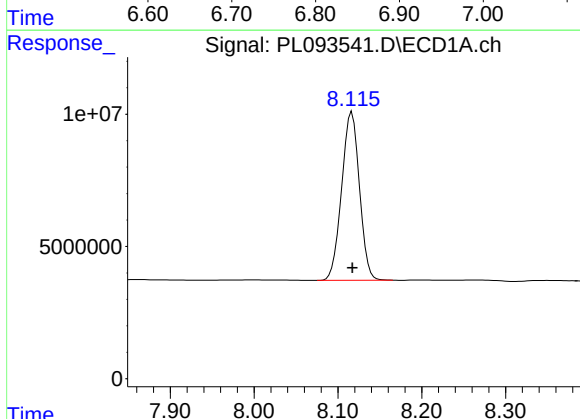
R.T.: 7.643 min
Delta R.T.: -0.001 min
Response: 116927916
Conc: 52.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



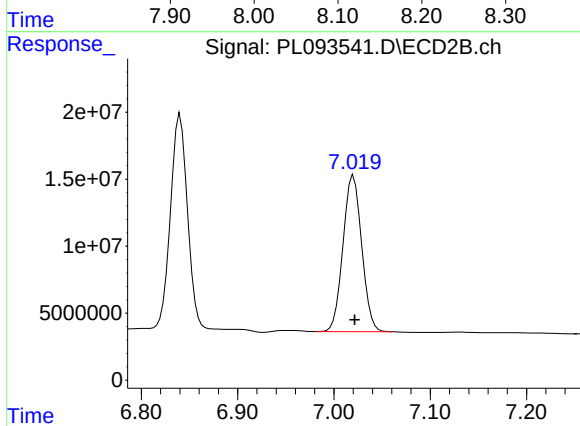
#21 Endrin ketone

R.T.: 6.840 min
Delta R.T.: -0.001 min
Response: 196755586
Conc: 54.05 ng/ml



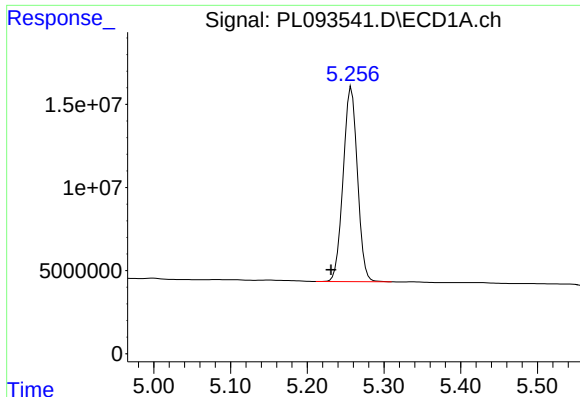
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 94046492
Conc: 50.33 ng/ml



#22 Mirex

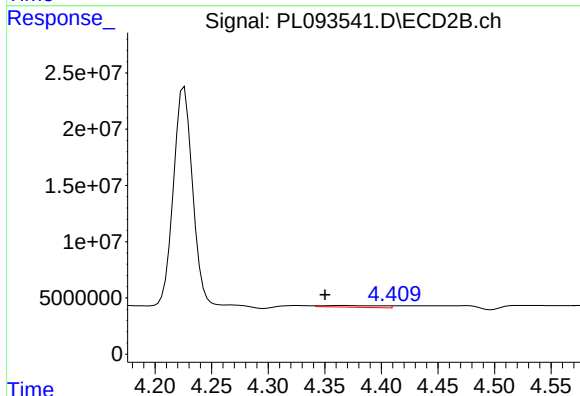
R.T.: 7.020 min
Delta R.T.: -0.001 min
Response: 156801604
Conc: 51.30 ng/ml



#24 Chlordane-2

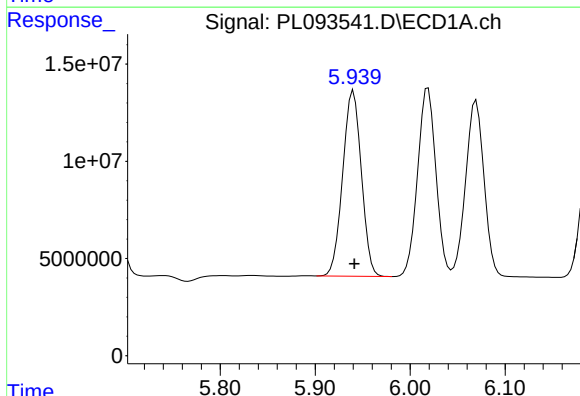
R.T.: 5.257 min
Delta R.T.: 0.026 min
Response: 151911125
Conc: 1381.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



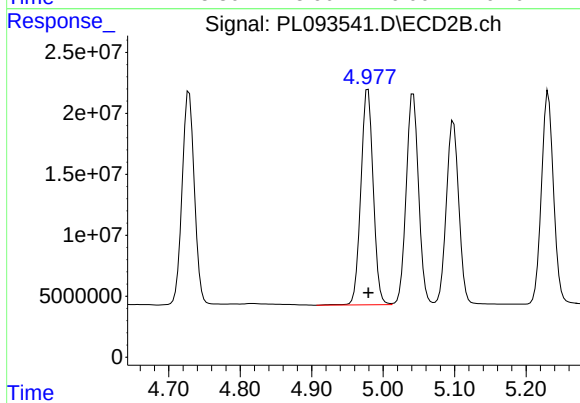
#24 Chlordane-2

R.T.: 4.365 min
Delta R.T.: 0.015 min
Response: 5474380
Conc: 39.44 ng/ml



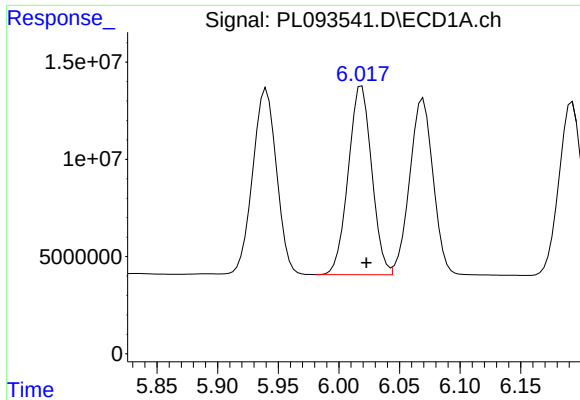
#25 Chlordane-3

R.T.: 5.940 min
Delta R.T.: -0.001 min
Response: 130315187
Conc: 342.87 ng/ml



#25 Chlordane-3

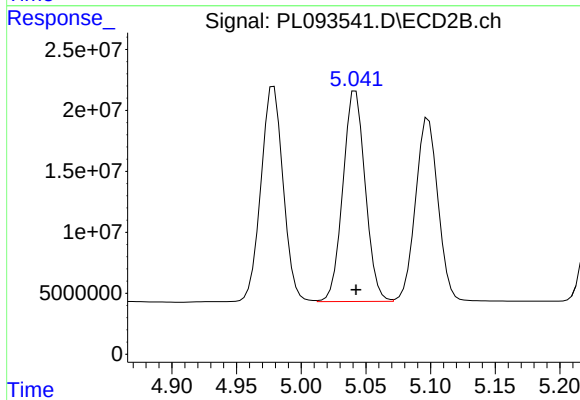
R.T.: 4.979 min
Delta R.T.: 0.000 min
Response: 211556858
Conc: 498.53 ng/ml



#26 Chlordane-4

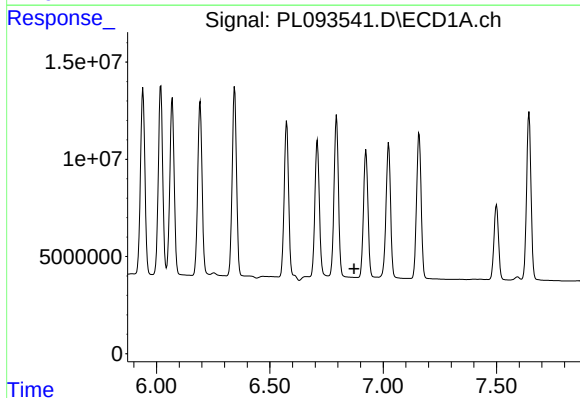
R.T.: 6.019 min
Delta R.T.: -0.004 min
Response: 130570041
Conc: 287.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



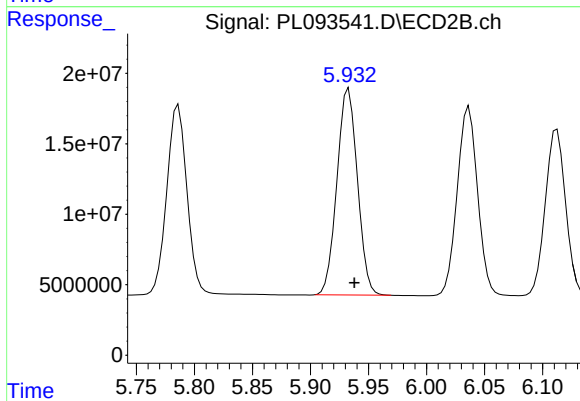
#26 Chlordane-4

R.T.: 5.042 min
Delta R.T.: 0.000 min
Response: 207265394
Conc: 503.88 ng/ml



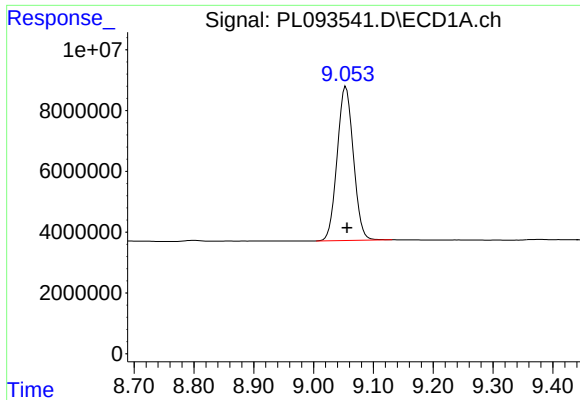
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.872 min
Response: 0
Conc: N.D.



#27 Chlordane-5

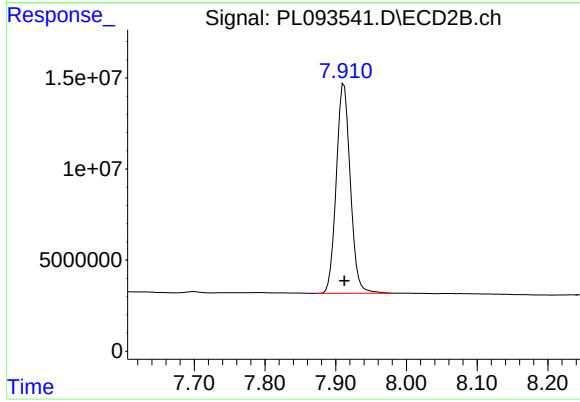
R.T.: 5.933 min
Delta R.T.: -0.005 min
Response: 180248207
Conc: 1353.79 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.002 min
Response: 95503809
Conc: 51.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 158597626
Conc: 53.12 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
 Data File : PL093546.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Dec 2024 16:33
 Operator : AR\AJ
 Sample : PB165895BL
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB165895BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 28 00:59:19 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 15:29:41 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.539	2.774	49492587	54679617	19.991	18.783
28)	SA Decachlor...	9.053	7.911	40689175	62794962	22.006	21.030
Target Compounds							
2)	A alpha-BHC	0.000	3.267	0	611788	N.D.	0.141 #
4)	MA Heptachlor	0.000	3.977f	0	696708	N.D.	0.168 #
5)	MB Aldrin	0.000	4.228	0	394092	N.D.	0.096 #
7)	B delta-BHC	4.765	4.132	4411697	624598	1.441	0.148 #
8)	B Heptachlo...	0.000	4.726	0	502087	N.D.	0.131 #
9)	A Endosulfan I	0.000	5.097	0	71174	N.D.	0.020 #
10)	B gamma-Chl...	0.000	4.980	0	1809896	N.D.	0.470 #
11)	B alpha-Chl...	0.000	5.051	0	1581254	N.D.	0.415 #
12)	B 4,4'-DDE	0.000	5.221	0	1072327	N.D.	0.292 #
13)	MA Dieldrin	0.000	5.377	0	663807	N.D.	0.172 #
14)	MA Endrin	0.000	5.657f	0	2356687	N.D.	0.712 #
15)	B Endosulfa...	0.000	5.923	0	2272046	N.D.	0.699 #
16)	A 4,4'-DDD	0.000	5.816f	0	274637	N.D.	0.097 #
17)	MA 4,4'-DDT	0.000	6.040	0	1322813	N.D.	0.438 #
18)	B Endrin al...	0.000	6.108	0	1184658	N.D.	0.440 #
19)	B Endosulfa...	0.000	6.329	0	2528551	N.D.	0.802 #
21)	B Endrin ke...	0.000	6.839	0	127516	N.D.	0.035 #
22)	Mirex	0.000	7.041f	0	2136141	N.D.	0.699 #
23)	Chlordane-1	0.000	3.775	0	408403	N.D.	3.382 #
25)	Chlordane-3	0.000	4.980	0	1809896	N.D.	4.265 #
26)	Chlordane-4	0.000	5.051	0	1581254	N.D.	3.844 #
27)	Chlordane-5	0.000	5.923	0	2272046	N.D.	17.065 #

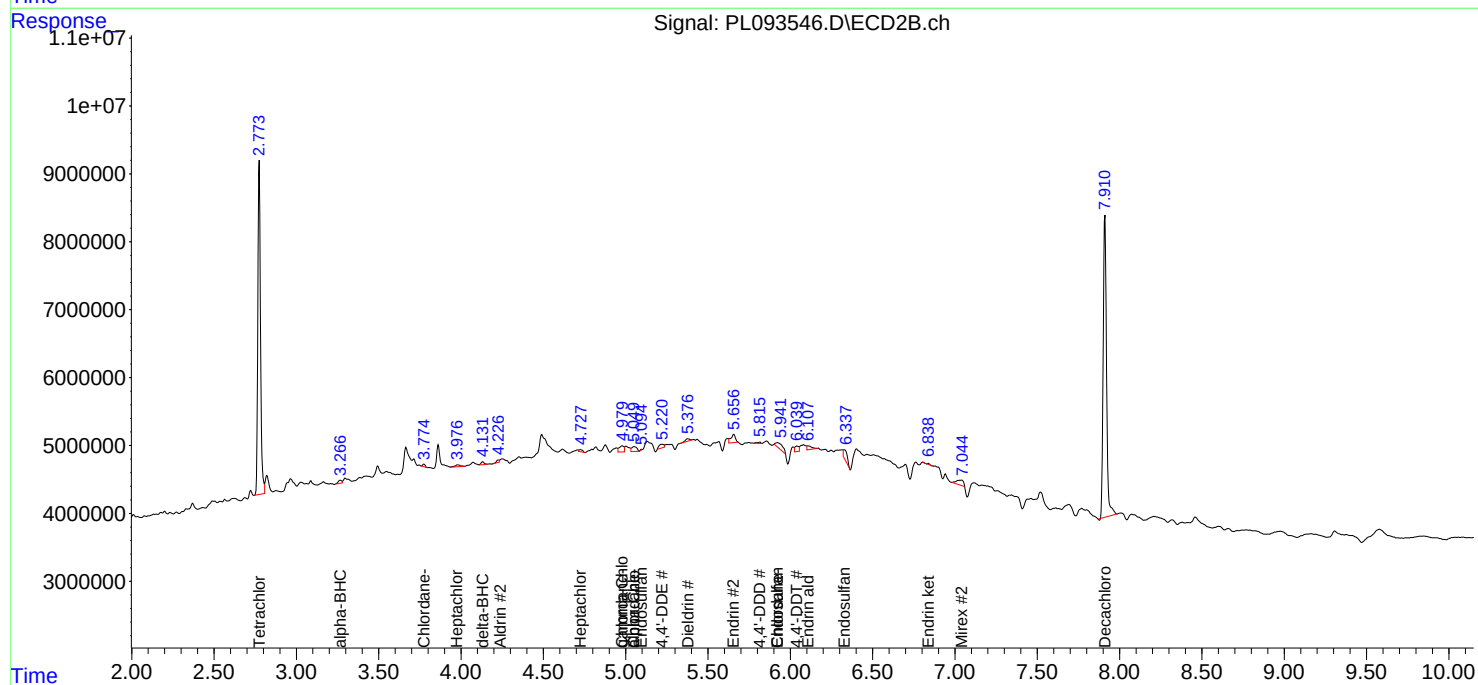
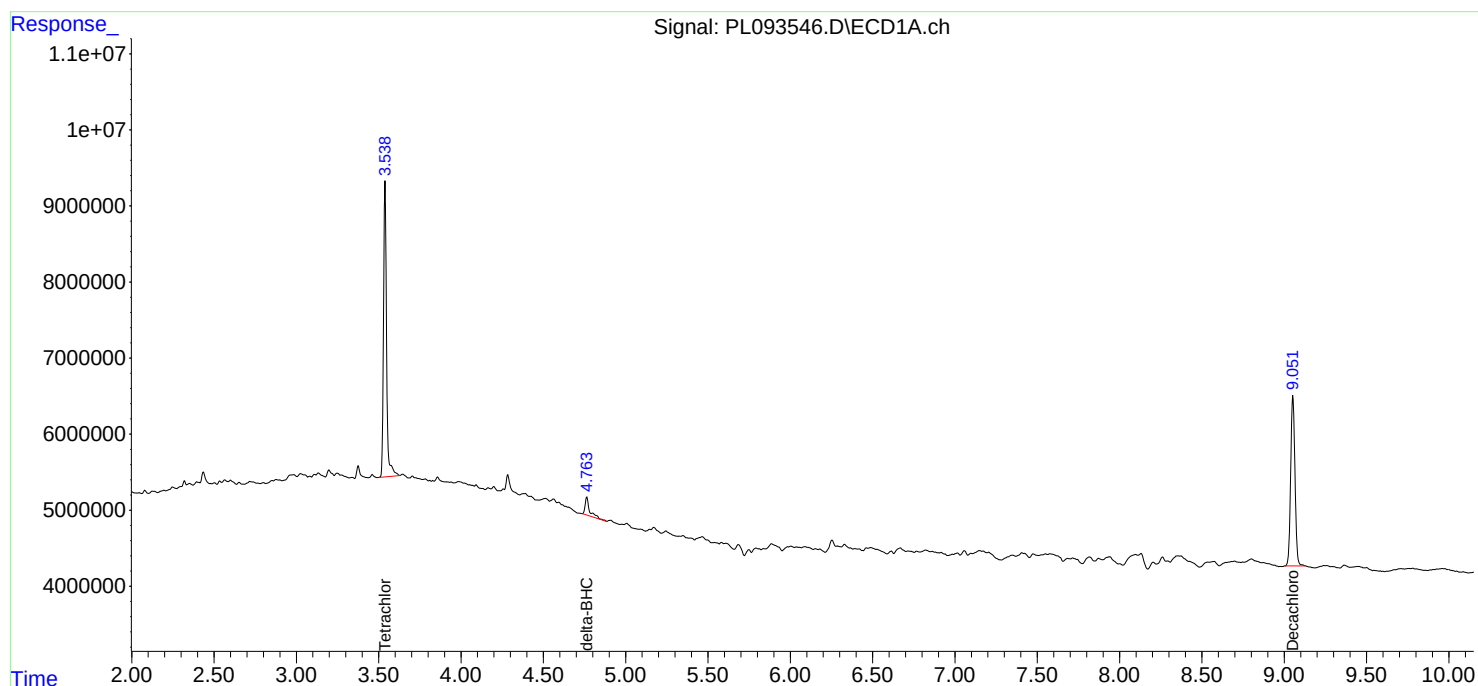
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

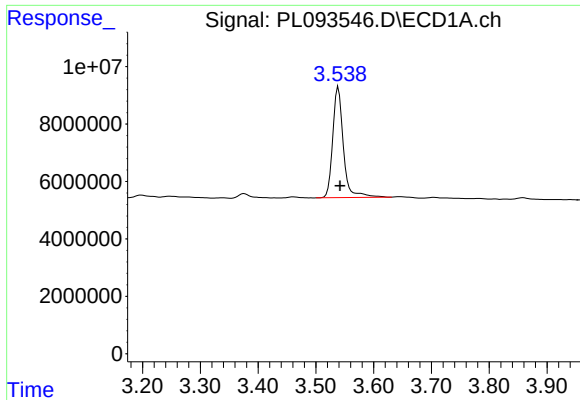
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
Data File : PL093546.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Dec 2024 16:33
Operator : AR\AJ
Sample : PB165895BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB165895BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 28 00:59:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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

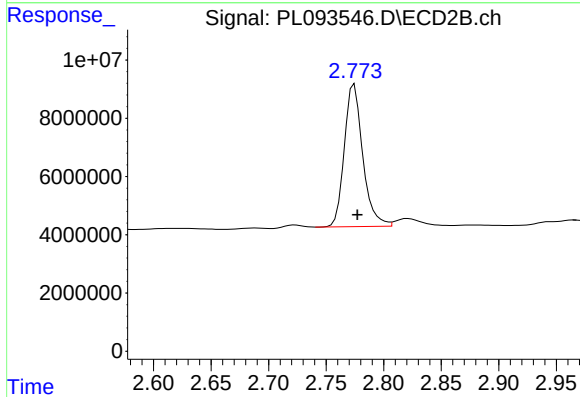




#1 Tetrachloro-m-xylene

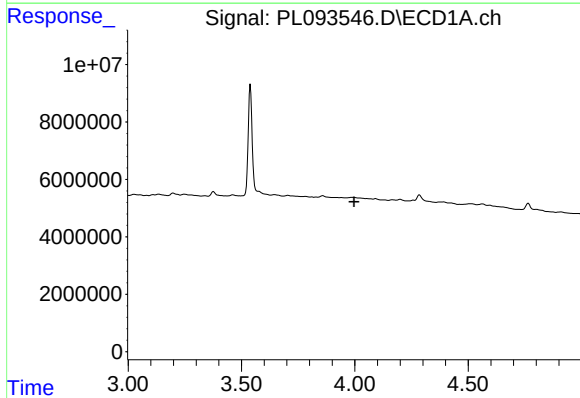
R.T.: 3.539 min
Delta R.T.: -0.003 min
Response: 49492587
Conc: 19.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165895BL



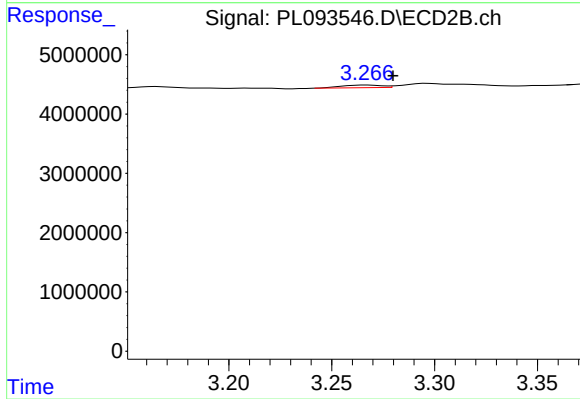
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: -0.003 min
Response: 54679617
Conc: 18.78 ng/ml



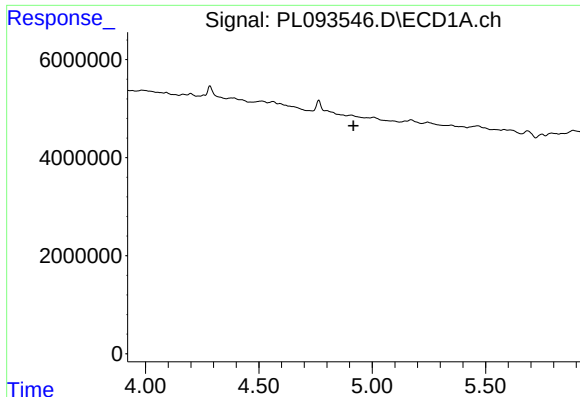
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.997 min
Response: 0
Conc: N.D.



#2 alpha-BHC

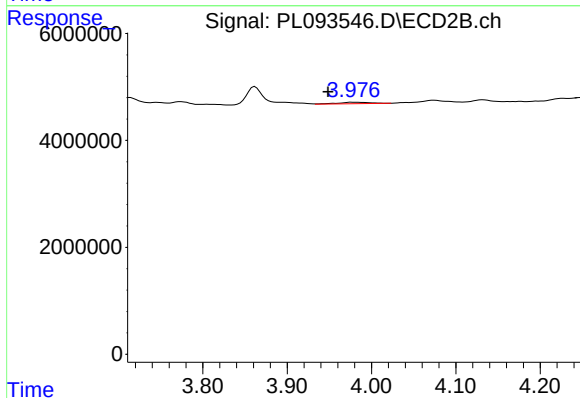
R.T.: 3.267 min
Delta R.T.: -0.013 min
Response: 611788
Conc: 0.14 ng/ml



#4 Heptachlor

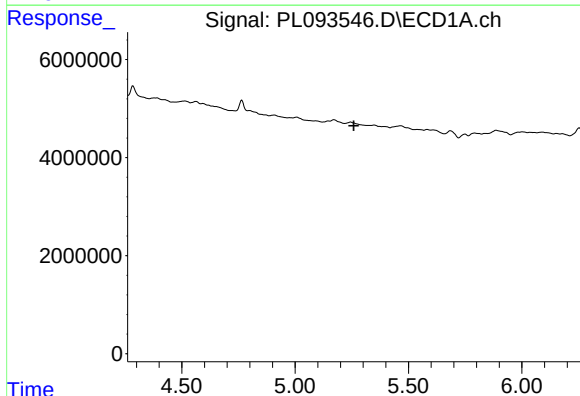
R.T.: 0.000 min
Exp R.T.: 4.918 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PB165895BL



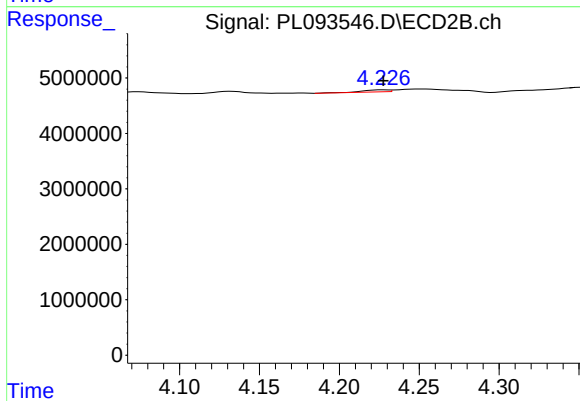
#4 Heptachlor

R.T.: 3.977 min
Delta R.T.: 0.029 min
Response: 696708
Conc: 0.17 ng/ml



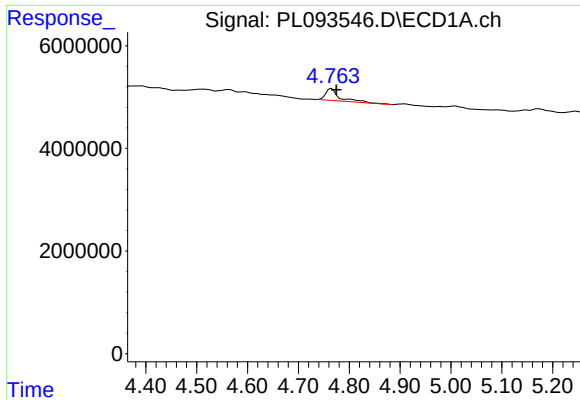
#5 Aldrin

R.T.: 0.000 min
Exp R.T.: 5.259 min
Response: 0
Conc: N.D.



#5 Aldrin

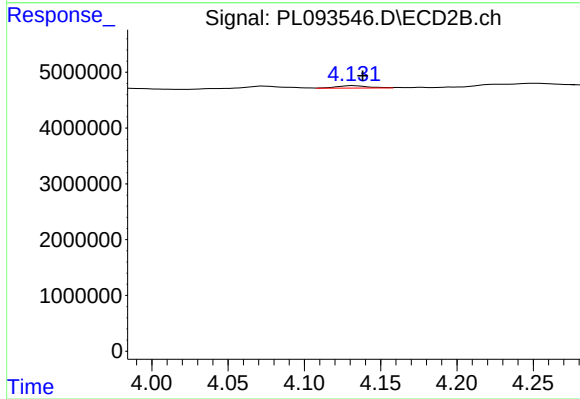
R.T.: 4.228 min
Delta R.T.: 0.000 min
Response: 394092
Conc: 0.10 ng/ml



#7 delta-BHC

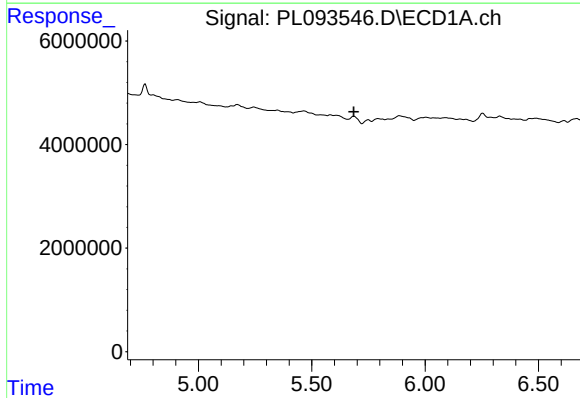
R.T.: 4.765 min
Delta R.T.: -0.010 min
Response: 4411697
Conc: 1.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165895BL



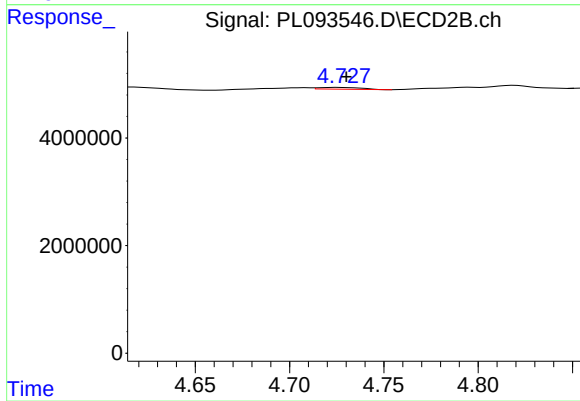
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.006 min
Response: 624598
Conc: 0.15 ng/ml



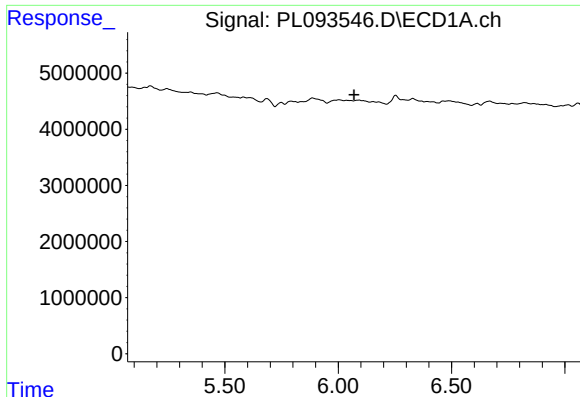
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 5.686 min
Response: 0
Conc: N.D.



#8 Heptachlor epoxide

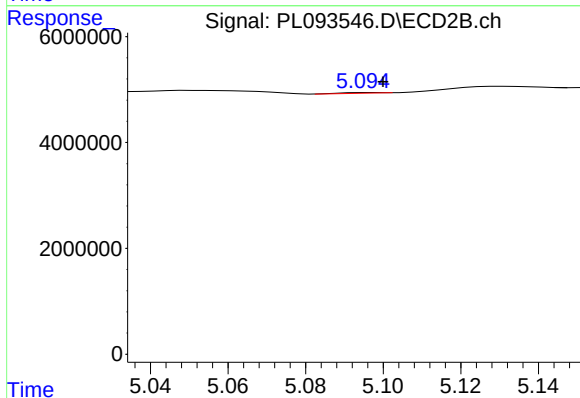
R.T.: 4.726 min
Delta R.T.: -0.004 min
Response: 502087
Conc: 0.13 ng/ml



#9 Endosulfan I

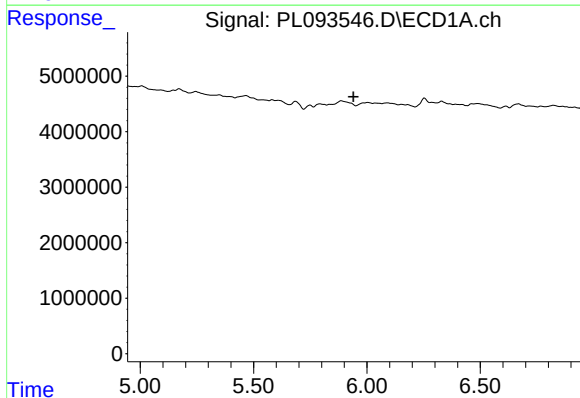
R.T.: 0.000 min
Exp R.T.: 6.071 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PB165895BL



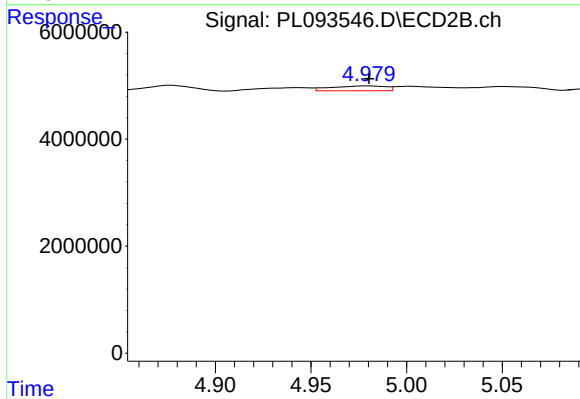
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: -0.003 min
Response: 71174
Conc: 0.02 ng/ml



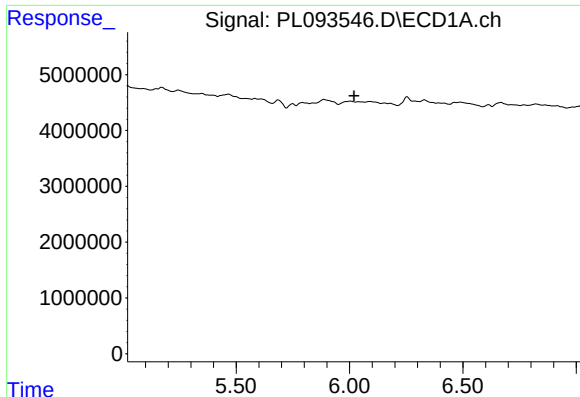
#10 gamma-Chlordane

R.T.: 0.000 min
Exp R.T.: 5.941 min
Response: 0
Conc: N.D.



#10 gamma-Chlordane

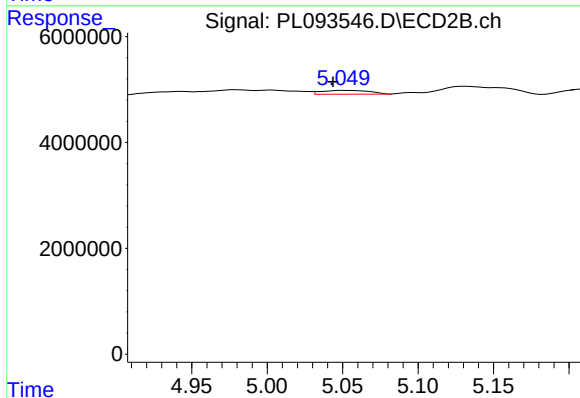
R.T.: 4.980 min
Delta R.T.: 0.000 min
Response: 1809896
Conc: 0.47 ng/ml



#11 alpha-Chlordane

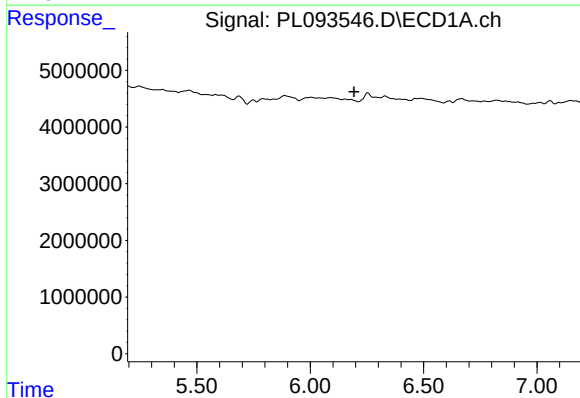
R.T.: 0.000 min
Exp R.T.: 6.020 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PB165895BL



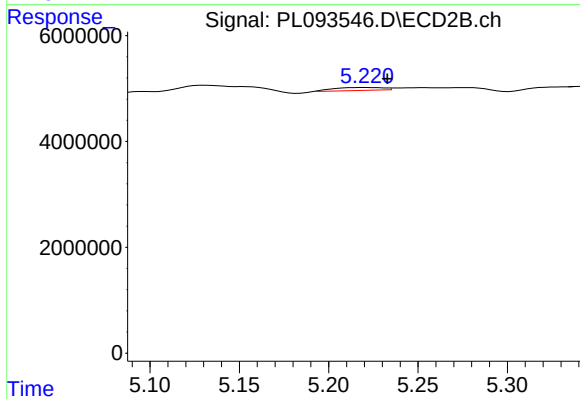
#11 alpha-Chlordane

R.T.: 5.051 min
Delta R.T.: 0.007 min
Response: 1581254
Conc: 0.42 ng/ml



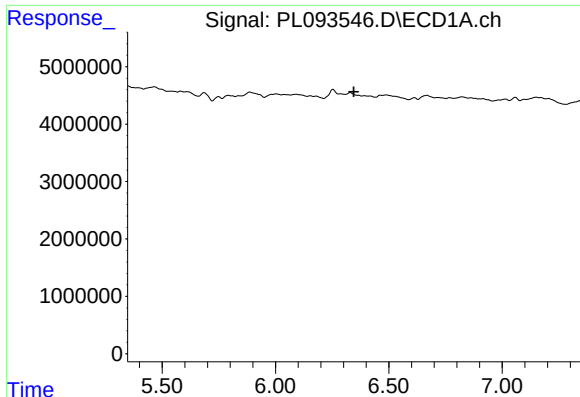
#12 4,4'-DDE

R.T.: 0.000 min
Exp R.T.: 6.194 min
Response: 0
Conc: N.D.



#12 4,4'-DDE

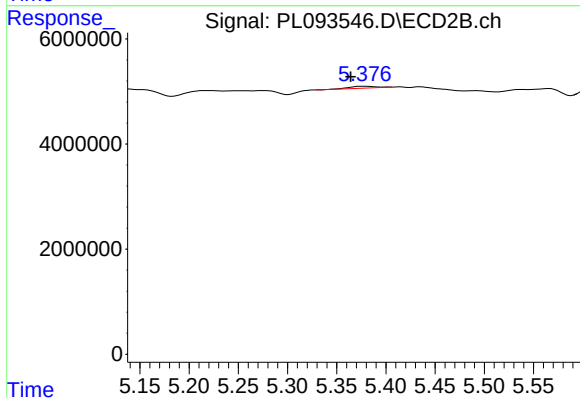
R.T.: 5.221 min
Delta R.T.: -0.012 min
Response: 1072327
Conc: 0.29 ng/ml



#13 Dieldrin

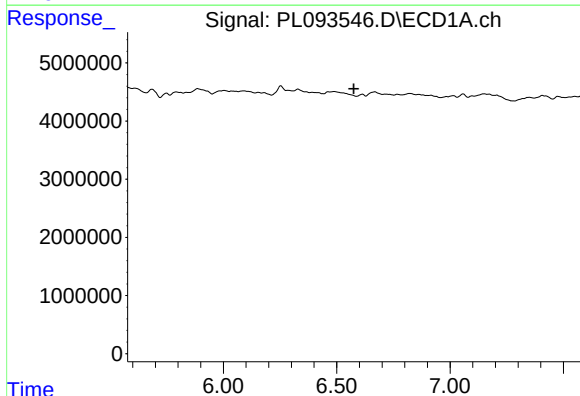
R.T.: 0.000 min
Exp R.T.: 6.346 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PB165895BL



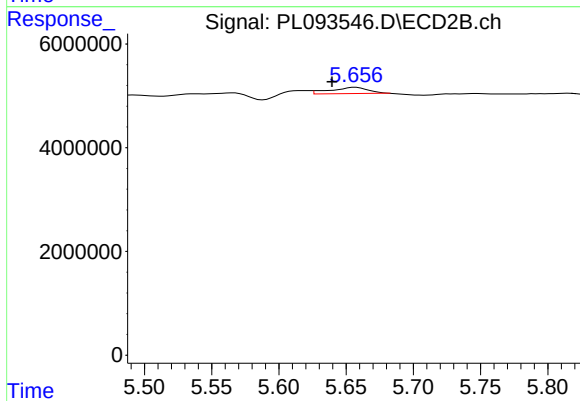
#13 Dieldrin

R.T.: 5.377 min
Delta R.T.: 0.013 min
Response: 663807
Conc: 0.17 ng/ml



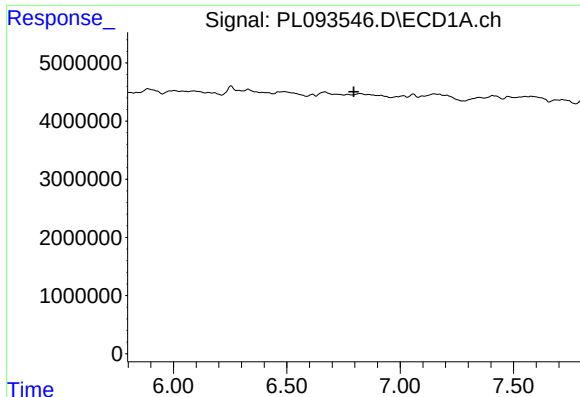
#14 Endrin

R.T.: 0.000 min
Exp R.T.: 6.575 min
Response: 0
Conc: N.D.



#14 Endrin

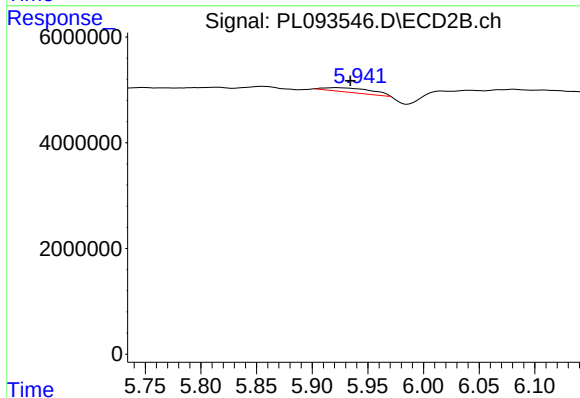
R.T.: 5.657 min
Delta R.T.: 0.017 min
Response: 2356687
Conc: 0.71 ng/ml



#15 Endosulfan II

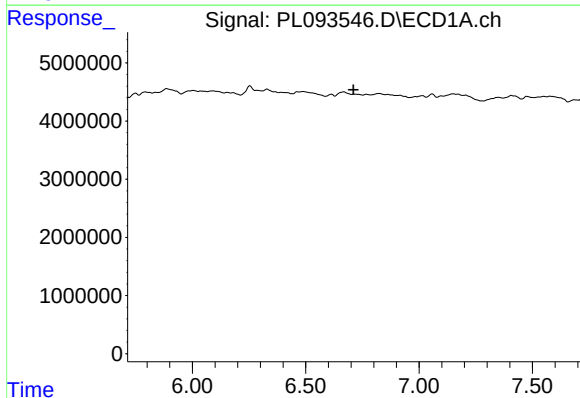
R.T.: 0.000 min
Exp R.T.: 6.795 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PB165895BL



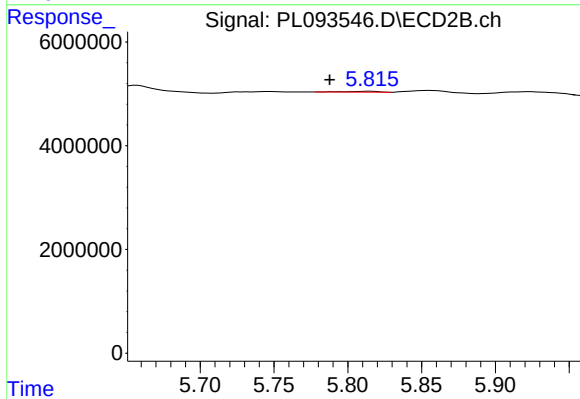
#15 Endosulfan II

R.T.: 5.923 min
Delta R.T.: -0.012 min
Response: 2272046
Conc: 0.70 ng/ml



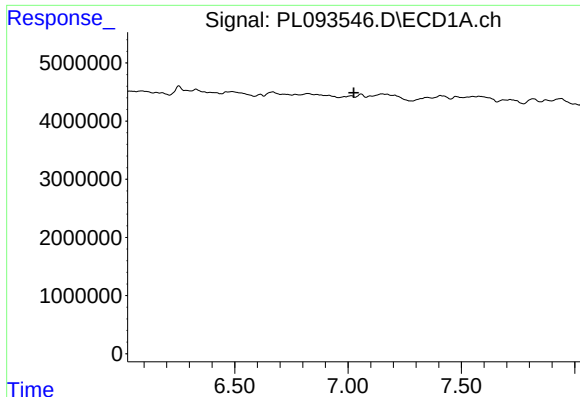
#16 4,4'-DDD

R.T.: 0.000 min
Exp R.T.: 6.711 min
Response: 0
Conc: N.D.



#16 4,4'-DDD

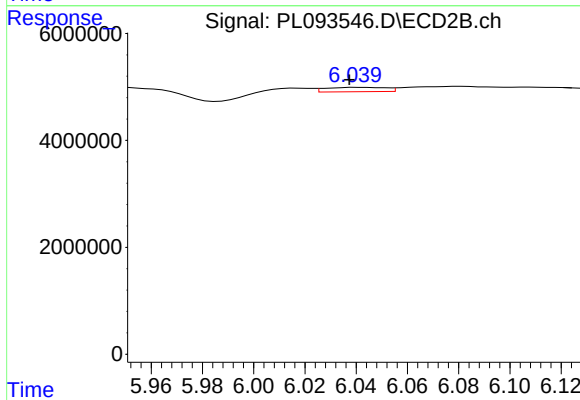
R.T.: 5.816 min
Delta R.T.: 0.028 min
Response: 274637
Conc: 0.10 ng/ml



#17 4,4'-DDT

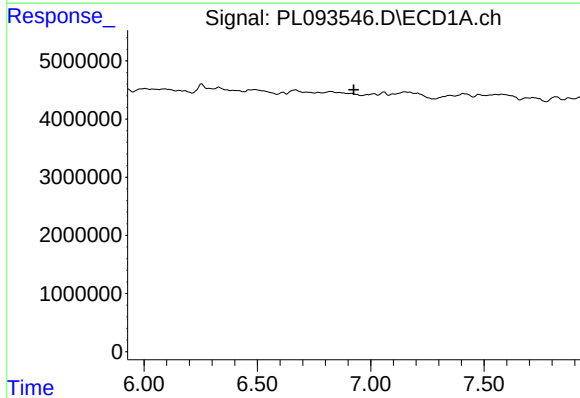
R.T.: 0.000 min
Exp R.T.: 7.025 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PB165895BL



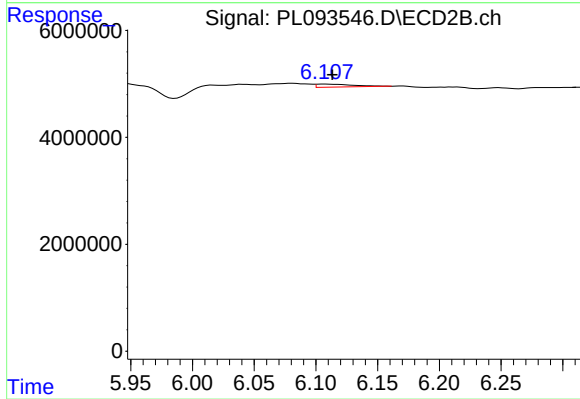
#17 4,4'-DDT

R.T.: 6.040 min
Delta R.T.: 0.003 min
Response: 1322813
Conc: 0.44 ng/ml



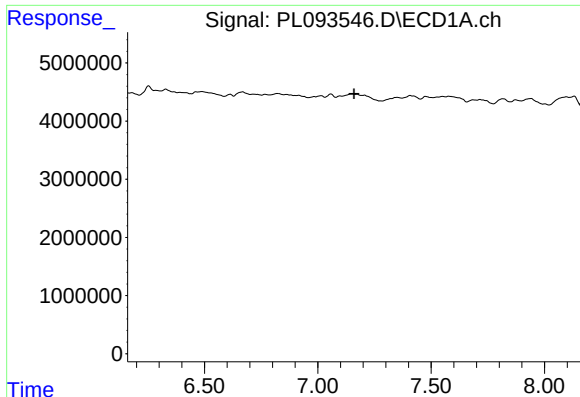
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T.: 6.926 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

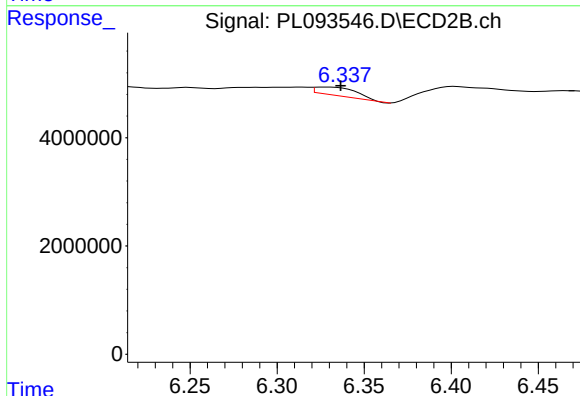
R.T.: 6.108 min
Delta R.T.: -0.006 min
Response: 1184658
Conc: 0.44 ng/ml



#19 Endosulfan Sulfate

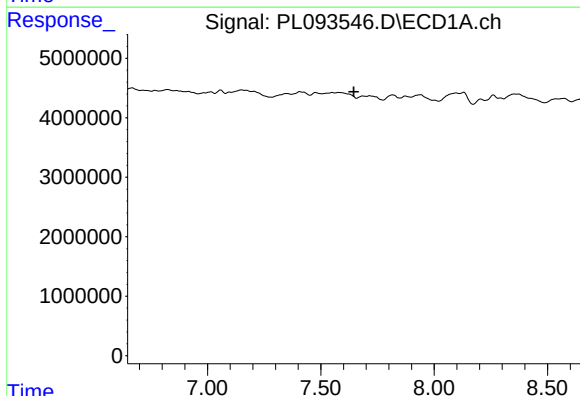
R.T.: 0.000 min
Exp R.T.: 7.160 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PB165895BL



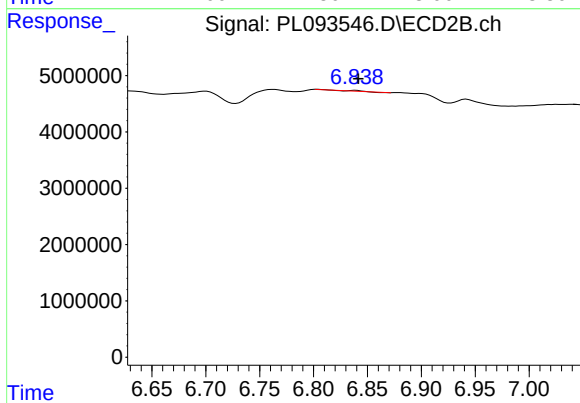
#19 Endosulfan Sulfate

R.T.: 6.329 min
Delta R.T.: -0.008 min
Response: 2528551
Conc: 0.80 ng/ml



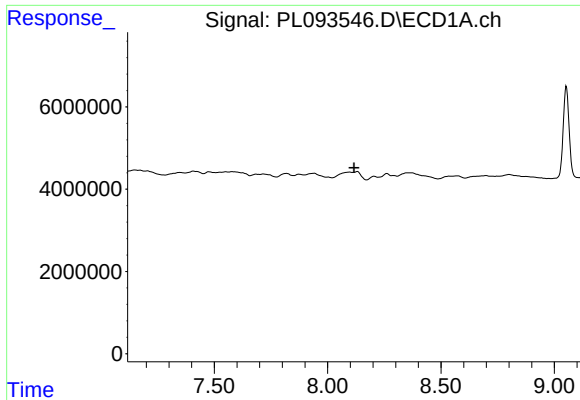
#21 Endrin ketone

R.T.: 0.000 min
Exp R.T.: 7.645 min
Response: 0
Conc: N.D.



#21 Endrin ketone

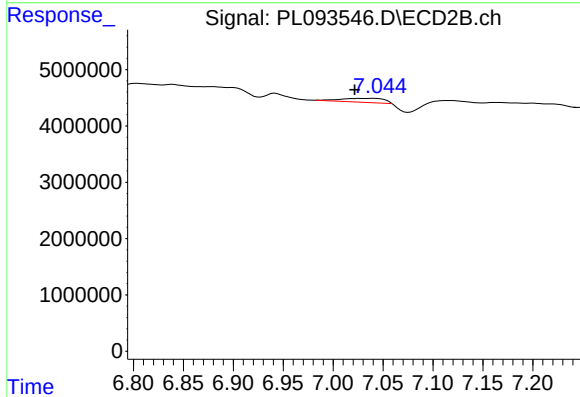
R.T.: 6.839 min
Delta R.T.: -0.003 min
Response: 127516
Conc: 0.04 ng/ml



#22 Mirex

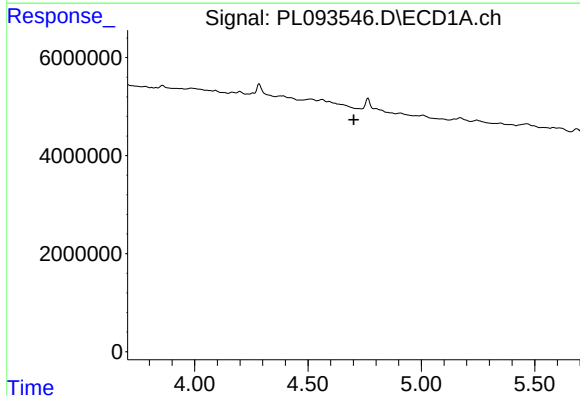
R.T.: 0.000 min
Exp R.T.: 8.117 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PB165895BL



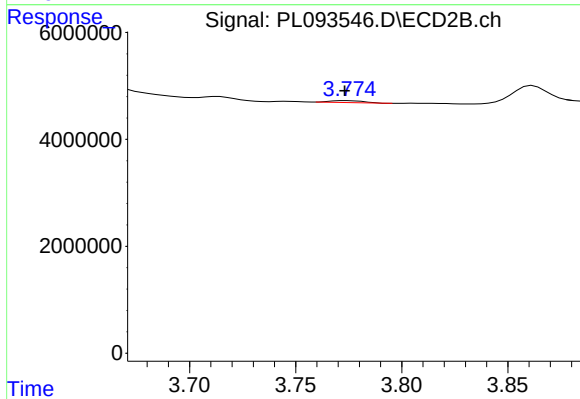
#22 Mirex

R.T.: 7.041 min
Delta R.T.: 0.019 min
Response: 2136141
Conc: 0.70 ng/ml



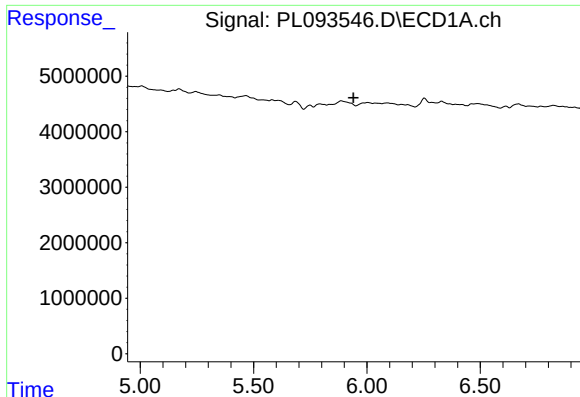
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T.: 4.702 min
Response: 0
Conc: N.D.



#23 Chlordane-1

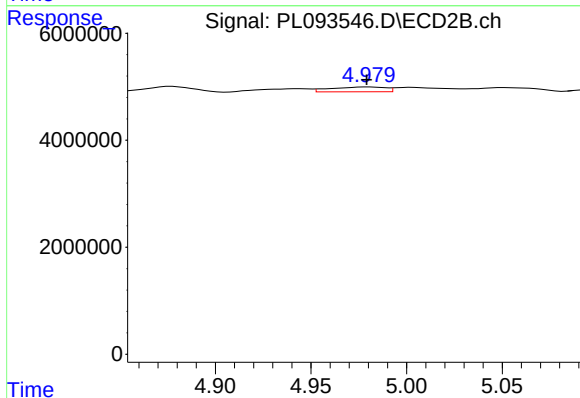
R.T.: 3.775 min
Delta R.T.: 0.001 min
Response: 408403
Conc: 3.38 ng/ml



#25 Chlordane-3

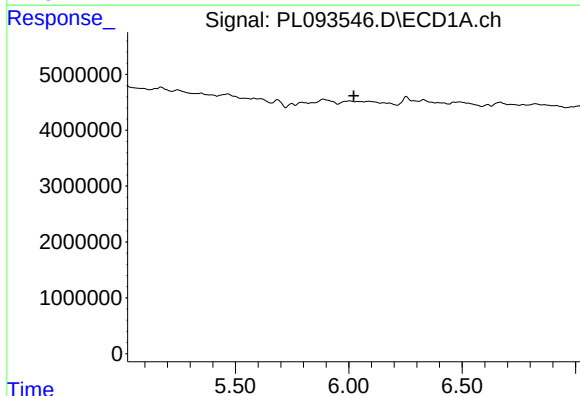
R.T.: 0.000 min
Exp R.T.: 5.941 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PB165895BL



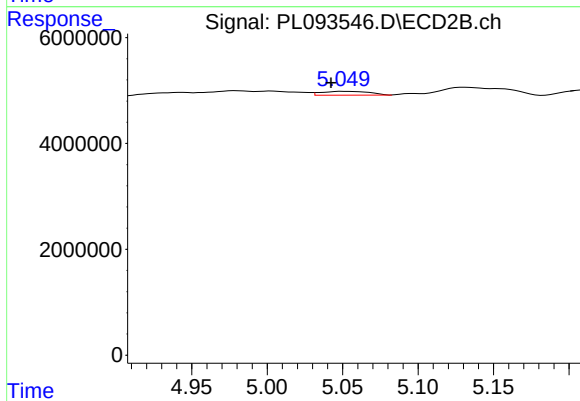
#25 Chlordane-3

R.T.: 4.980 min
Delta R.T.: 0.000 min
Response: 1809896
Conc: 4.27 ng/ml



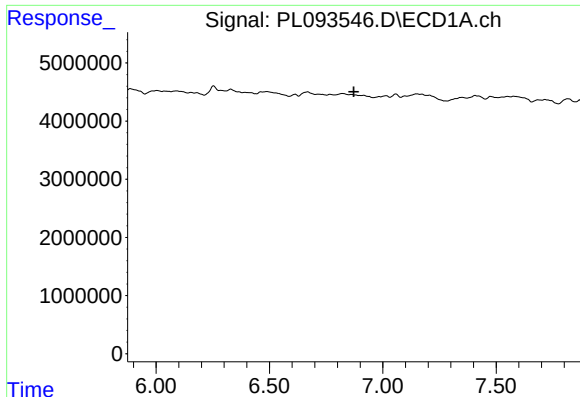
#26 Chlordane-4

R.T.: 0.000 min
Exp R.T.: 6.023 min
Response: 0
Conc: N.D.



#26 Chlordane-4

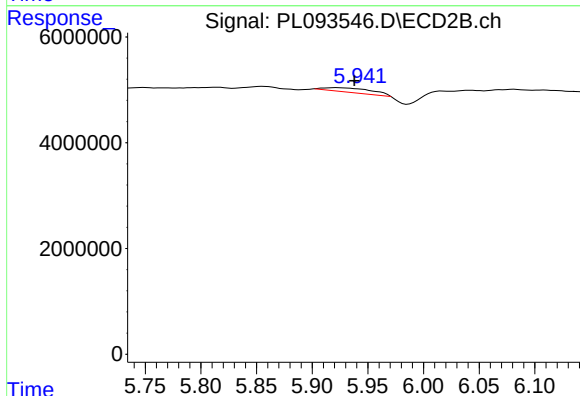
R.T.: 5.051 min
Delta R.T.: 0.008 min
Response: 1581254
Conc: 3.84 ng/ml



#27 Chlordane-5

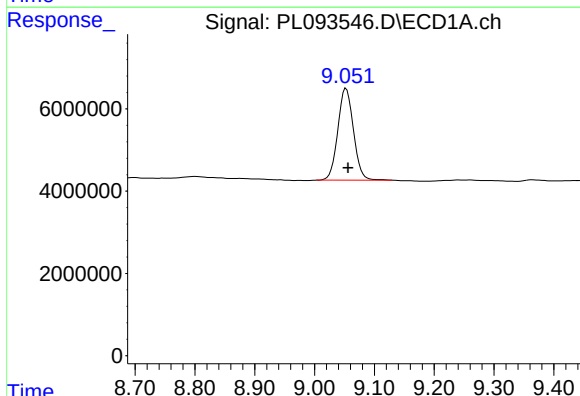
R.T.: 0.000 min
Exp R.T.: 6.872 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PB165895BL



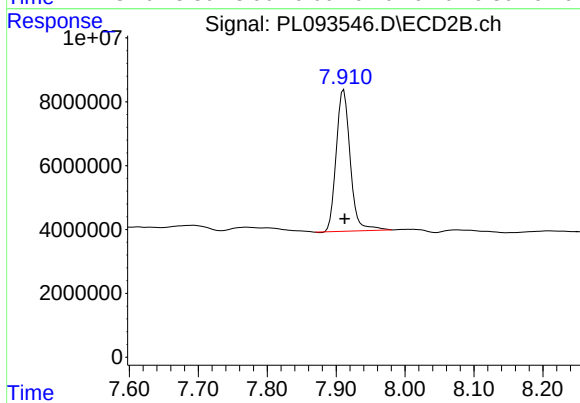
#27 Chlordane-5

R.T.: 5.923 min
Delta R.T.: -0.015 min
Response: 2272046
Conc: 17.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.003 min
Response: 40689175
Conc: 22.01 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.911 min
Delta R.T.: -0.001 min
Response: 62794962
Conc: 21.03 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
 Data File : PL093547.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Dec 2024 16:47
 Operator : AR\AJ
 Sample : PB165895BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB165895BS

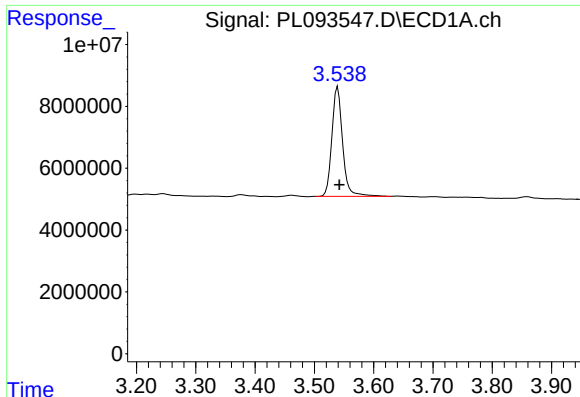
Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 28 00:59:38 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 15:29:41 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.539	2.775	44568540	49861524	18.002	17.127
28)	SA Decachlor...	9.054	7.912	36539783	59422474	19.762	19.901
Target Compounds							
2)	A alpha-BHC	3.995	3.278	150.4E6	190.9E6	43.556	43.919
3)	MA gamma-BHC...	4.328	3.608	140.0E6	181.7E6	42.694	43.062
4)	MA Heptachlor	4.916	3.946	129.2E6	186.1E6	44.131	44.770
5)	MB Aldrin	5.258	4.226	123.7E6	176.0E6	42.520	42.900
6)	B beta-BHC	4.526	3.908	63733636	81661271	44.211	45.431
7)	B delta-BHC	4.773	4.136	138.7E6	182.5E6	45.303	43.165
8)	B Heptachlo...	5.684	4.728	114.1E6	166.5E6	43.321	43.488
9)	A Endosulfan I	6.070	5.098	103.8E6	151.8E6	43.982	43.437
10)	B gamma-Chl...	5.940	4.979	109.7E6	177.6E6	43.637	46.089
11)	B alpha-Chl...	6.019	5.042	112.0E6	171.2E6	44.741	44.960
12)	B 4,4'-DDE	6.192	5.231	100.4E6	169.9E6	44.745	46.209
13)	MA Dieldrin	6.344	5.363	109.9E6	172.6E6	44.052	44.784
14)	MA Endrin	6.574	5.638	89868053	145.0E6	41.752	43.826
15)	B Endosulfa...	6.794	5.934	98165664	153.3E6	43.183	47.188
16)	A 4,4'-DDD	6.710	5.786	85126968	137.4E6	48.479	48.562
17)	MA 4,4'-DDT	7.023	6.036	84026546	134.8E6	45.456	44.631
18)	B Endrin al...	6.924	6.112	79442821	121.0E6	44.768	44.927
19)	B Endosulfa...	7.158	6.335	91605377	146.9E6	45.371	46.570
20)	A Methoxychlor	7.499	6.611	44413299	70237256	44.428	43.635
21)	B Endrin ke...	7.643	6.841	104.5E6	170.3E6	46.586	46.788
22)	Mirex	8.116	7.021	78866509	124.2E6	42.204	40.648
23)	Chlordane-1	0.000	3.772	0	226264	N.D.	1.874 #
24)	Chlordane-2	5.258f	4.365	123.7E6	-2232639	1125.182	N.D. #
25)	Chlordane-3	5.940	4.979	109.7E6	177.6E6	288.530	418.476 #
26)	Chlordane-4	6.019	5.042	112.0E6	171.2E6	246.470	416.159 #
27)	Chlordane-5	0.000	5.934	0	153.3E6	N.D.	1151.467 #

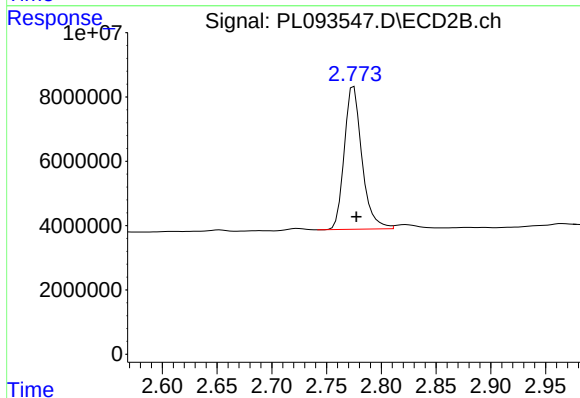
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



#1 Tetrachloro-m-xylene

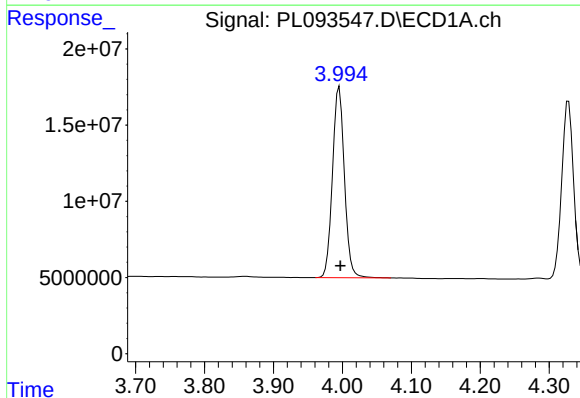
R.T.: 3.539 min
Delta R.T.: -0.003 min
Response: 44568540
Conc: 18.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165895BS



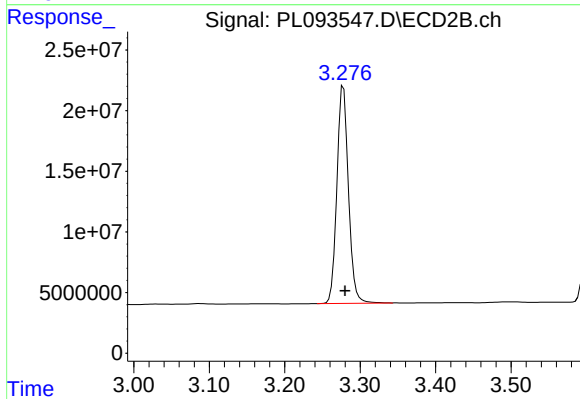
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: -0.002 min
Response: 49861524
Conc: 17.13 ng/ml



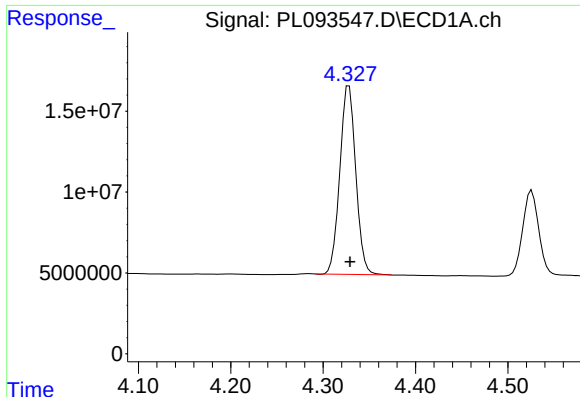
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: -0.002 min
Response: 150370359
Conc: 43.56 ng/ml



#2 alpha-BHC

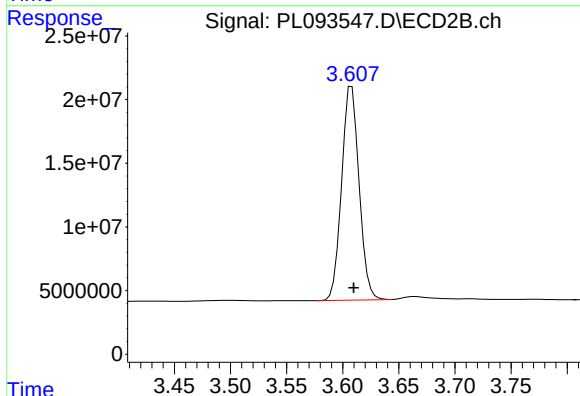
R.T.: 3.278 min
Delta R.T.: -0.002 min
Response: 190908500
Conc: 43.92 ng/ml



#3 gamma-BHC (Lindane)

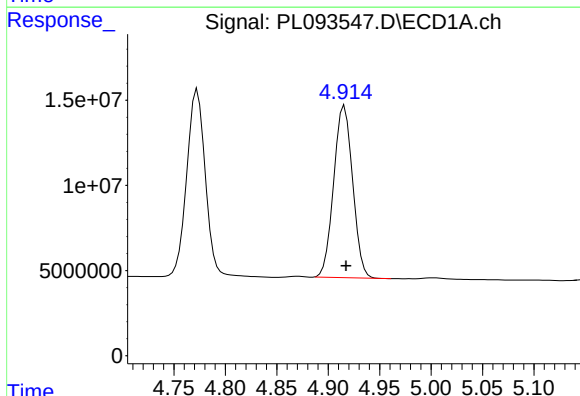
R.T.: 4.328 min
Delta R.T.: -0.001 min
Response: 140010414
Conc: 42.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165895BS



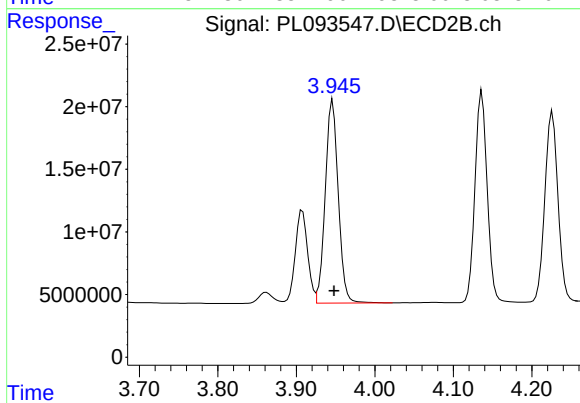
#3 gamma-BHC (Lindane)

R.T.: 3.608 min
Delta R.T.: -0.002 min
Response: 181693790
Conc: 43.06 ng/ml



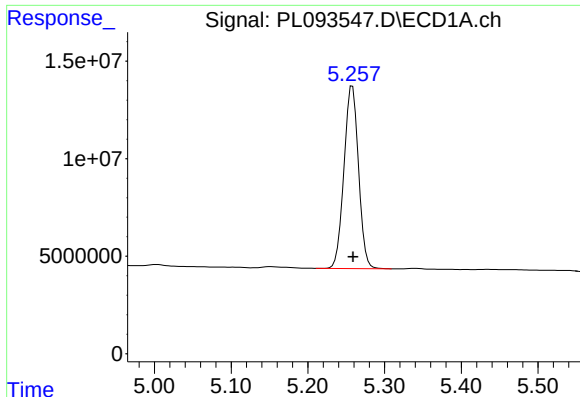
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: -0.002 min
Response: 129228291
Conc: 44.13 ng/ml



#4 Heptachlor

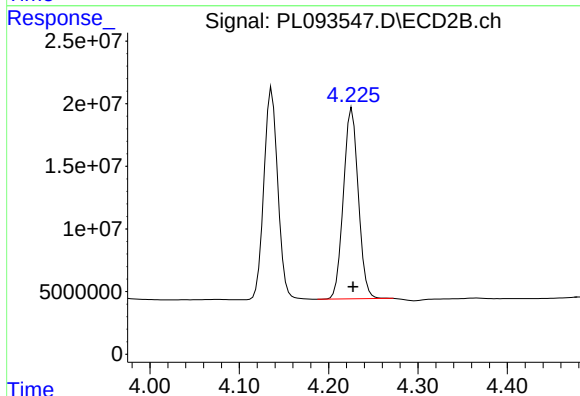
R.T.: 3.946 min
Delta R.T.: -0.002 min
Response: 186061746
Conc: 44.77 ng/ml



#5 Aldrin

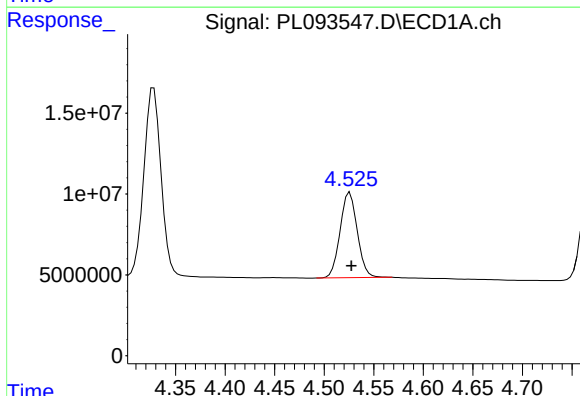
R.T.: 5.258 min
Delta R.T.: -0.001 min
Response: 123684714
Conc: 42.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165895BS



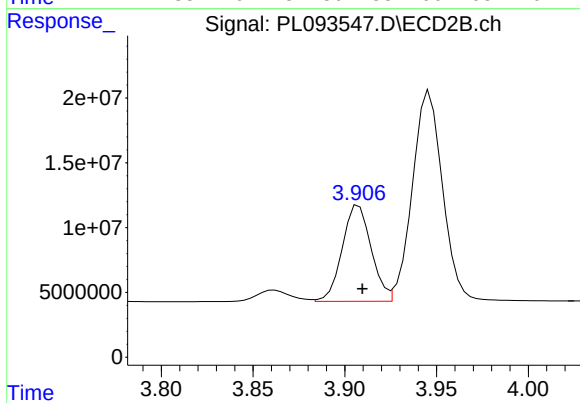
#5 Aldrin

R.T.: 4.226 min
Delta R.T.: -0.001 min
Response: 175987498
Conc: 42.90 ng/ml



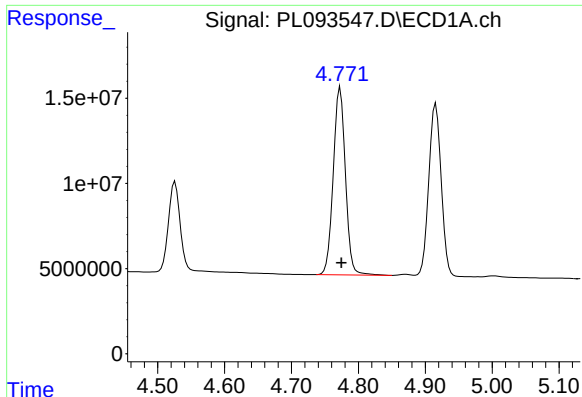
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: -0.002 min
Response: 63733636
Conc: 44.21 ng/ml



#6 beta-BHC

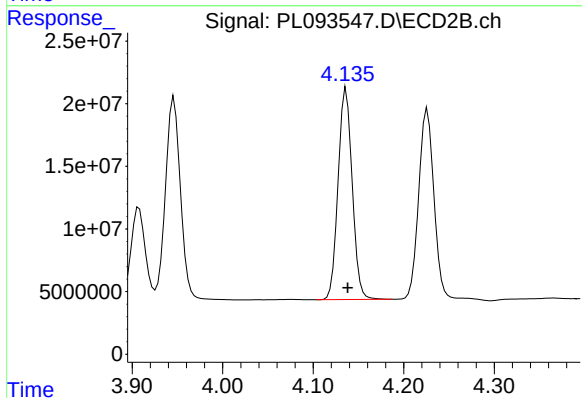
R.T.: 3.908 min
Delta R.T.: -0.002 min
Response: 81661271
Conc: 45.43 ng/ml



#7 delta-BHC

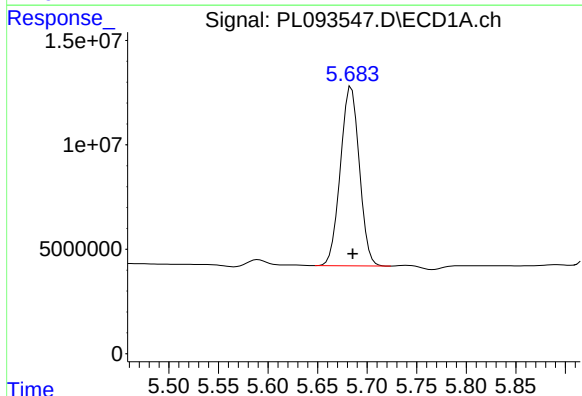
R.T.: 4.773 min
Delta R.T.: -0.002 min
Response: 138743727
Conc: 45.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165895BS



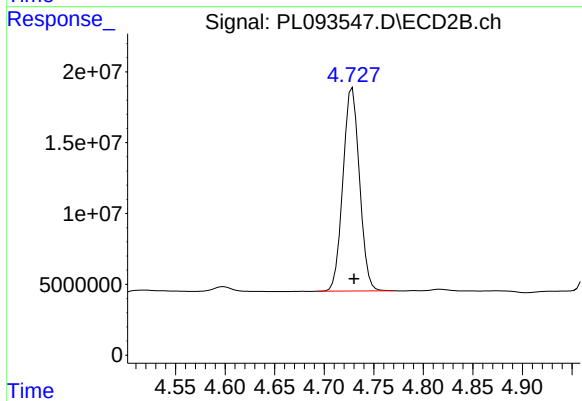
#7 delta-BHC

R.T.: 4.136 min
Delta R.T.: -0.002 min
Response: 182540901
Conc: 43.17 ng/ml



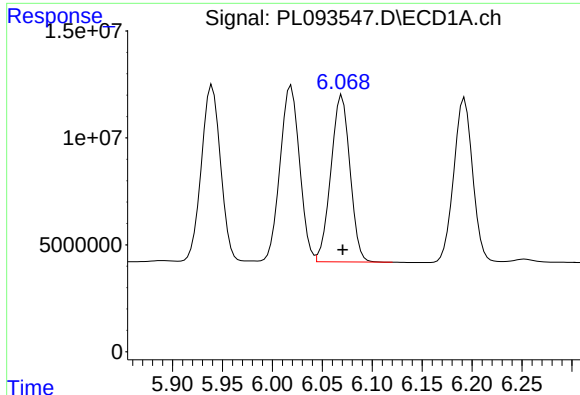
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: -0.001 min
Response: 114122727
Conc: 43.32 ng/ml



#8 Heptachlor epoxide

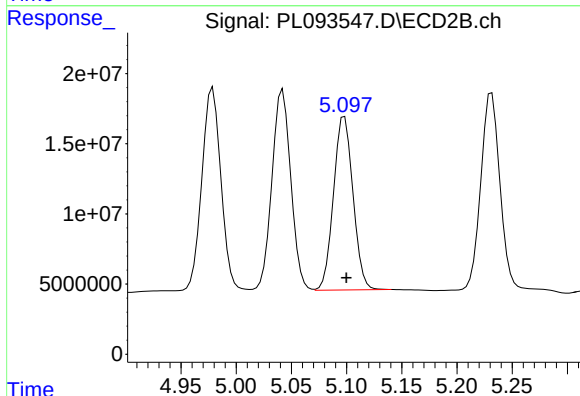
R.T.: 4.728 min
Delta R.T.: -0.002 min
Response: 166501799
Conc: 43.49 ng/ml



#9 Endosulfan I

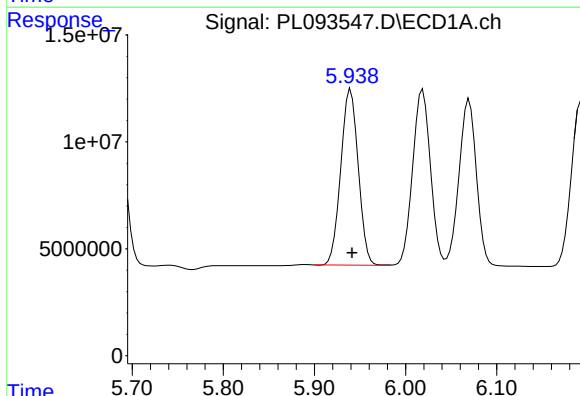
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 103765798
Conc: 43.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165895BS



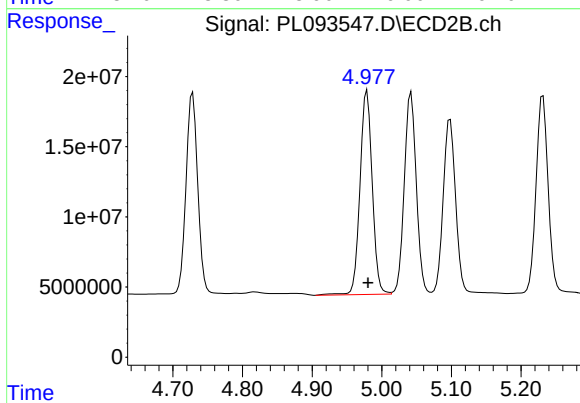
#9 Endosulfan I

R.T.: 5.098 min
Delta R.T.: -0.002 min
Response: 151767723
Conc: 43.44 ng/ml



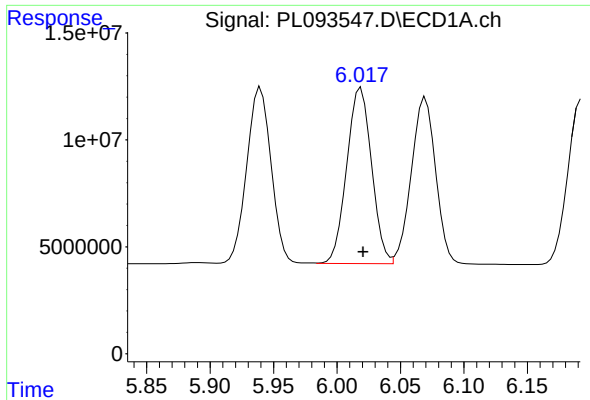
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.002 min
Response: 109662607
Conc: 43.64 ng/ml



#10 gamma-Chlordane

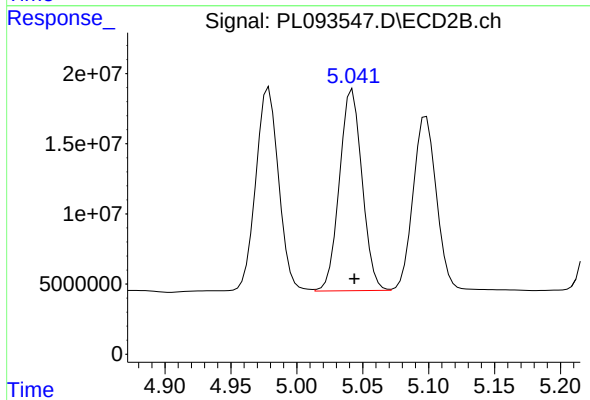
R.T.: 4.979 min
Delta R.T.: -0.002 min
Response: 177583219
Conc: 46.09 ng/ml



#11 alpha-Chlordane

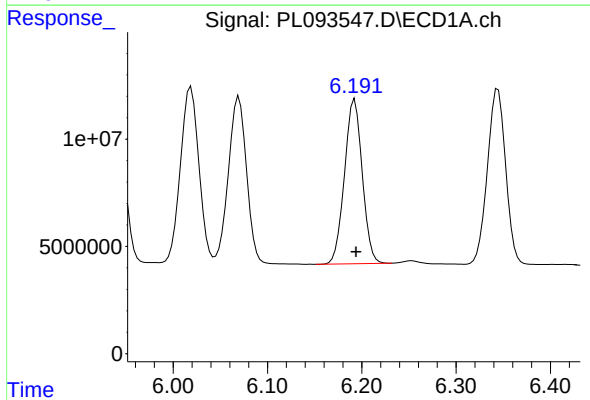
R.T.: 6.019 min
Delta R.T.: -0.002 min
Response: 111981824
Conc: 44.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165895BS



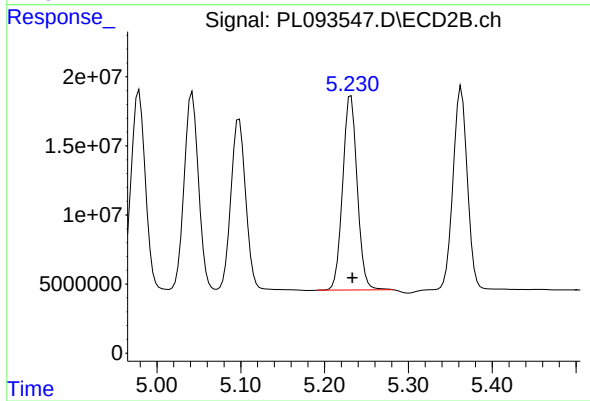
#11 alpha-Chlordane

R.T.: 5.042 min
Delta R.T.: -0.002 min
Response: 171182226
Conc: 44.96 ng/ml



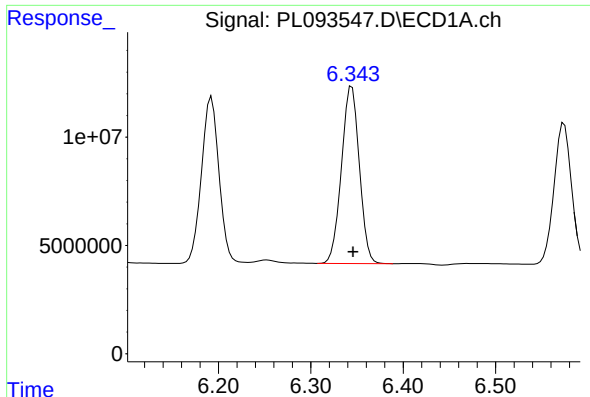
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.002 min
Response: 100400825
Conc: 44.74 ng/ml



#12 4,4'-DDE

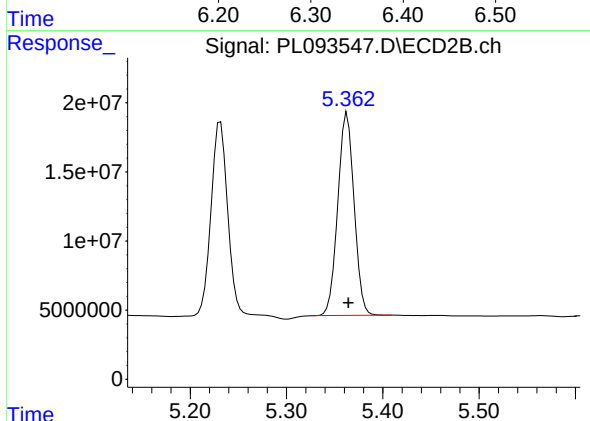
R.T.: 5.231 min
Delta R.T.: -0.002 min
Response: 169921893
Conc: 46.21 ng/ml



#13 Dieldrin

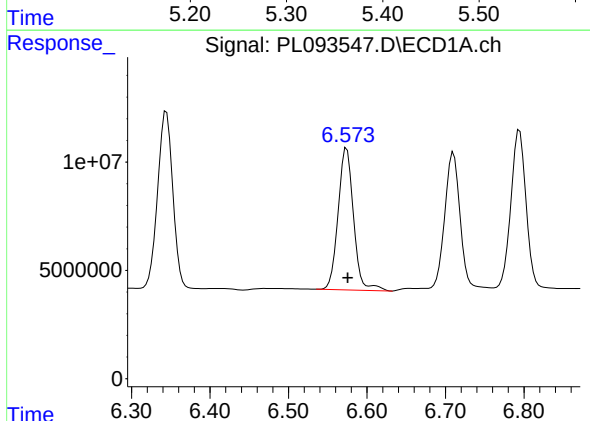
R.T.: 6.344 min
Delta R.T.: -0.002 min
Response: 109913010
Conc: 44.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165895BS



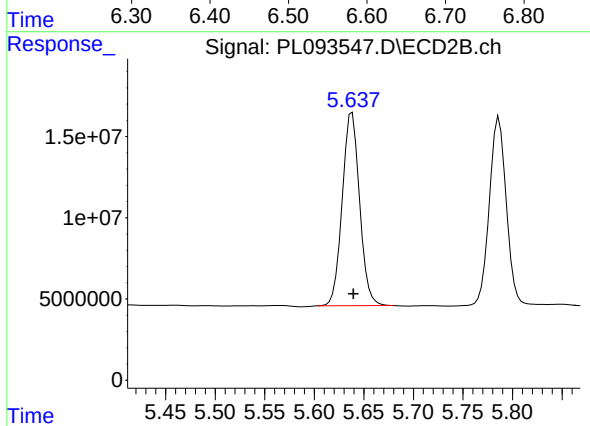
#13 Dieldrin

R.T.: 5.363 min
Delta R.T.: -0.001 min
Response: 172592429
Conc: 44.78 ng/ml



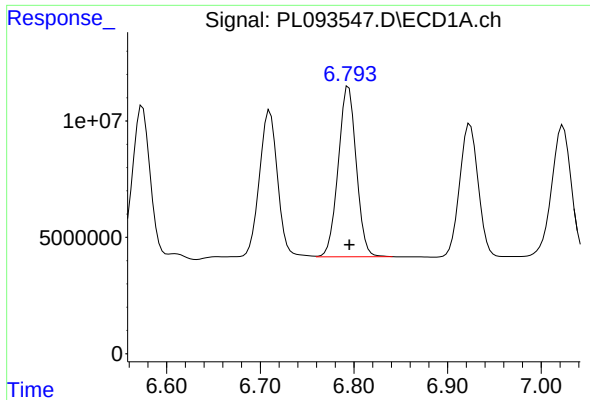
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.001 min
Response: 89868053
Conc: 41.75 ng/ml



#14 Endrin

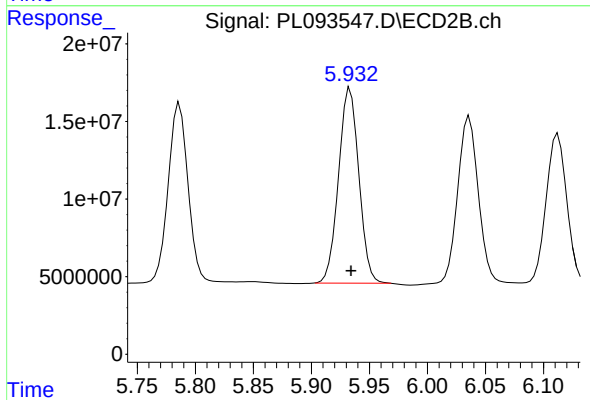
R.T.: 5.638 min
Delta R.T.: -0.001 min
Response: 144992129
Conc: 43.83 ng/ml



#15 Endosulfan II

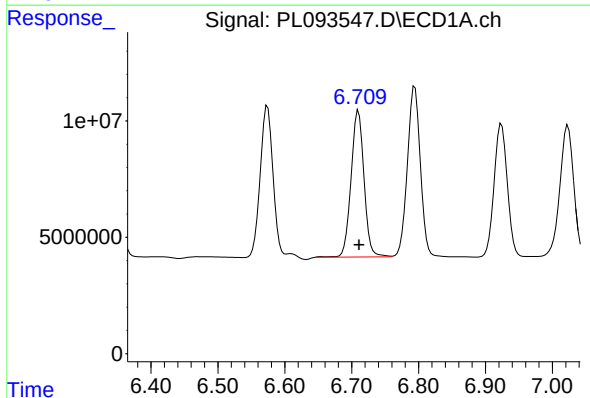
R.T.: 6.794 min
Delta R.T.: -0.001 min
Response: 98165664
Conc: 43.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165895BS



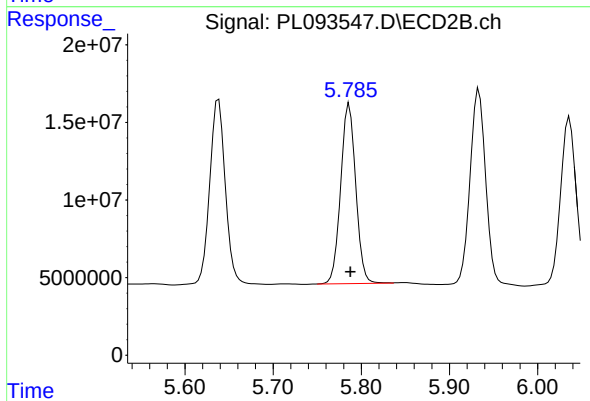
#15 Endosulfan II

R.T.: 5.934 min
Delta R.T.: 0.000 min
Response: 153310313
Conc: 47.19 ng/ml



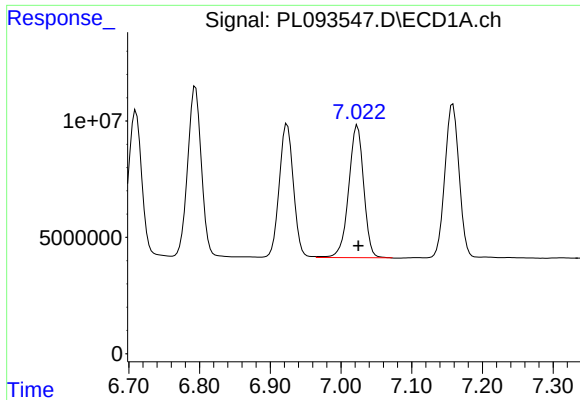
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 85126968
Conc: 48.48 ng/ml



#16 4,4'-DDD

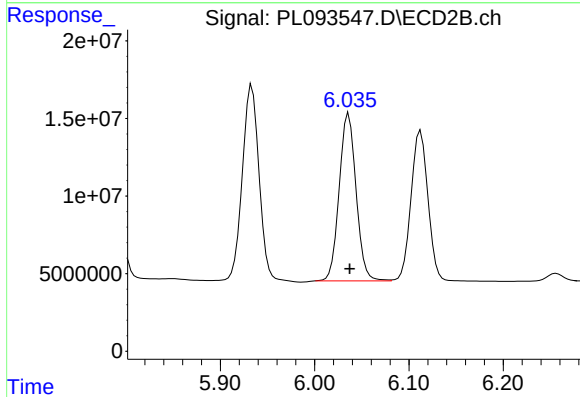
R.T.: 5.786 min
Delta R.T.: -0.001 min
Response: 137436274
Conc: 48.56 ng/ml



#17 4,4'-DDT

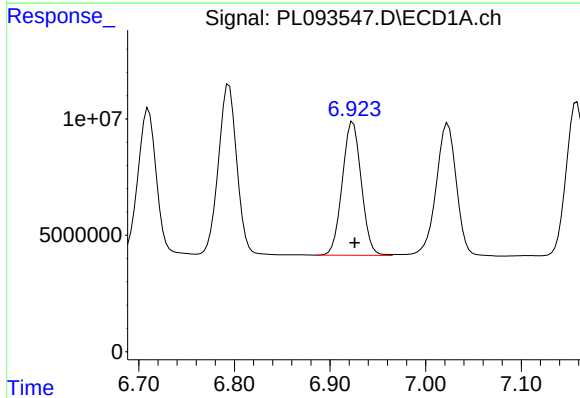
R.T.: 7.023 min
Delta R.T.: -0.002 min
Response: 84026546
Conc: 45.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165895BS



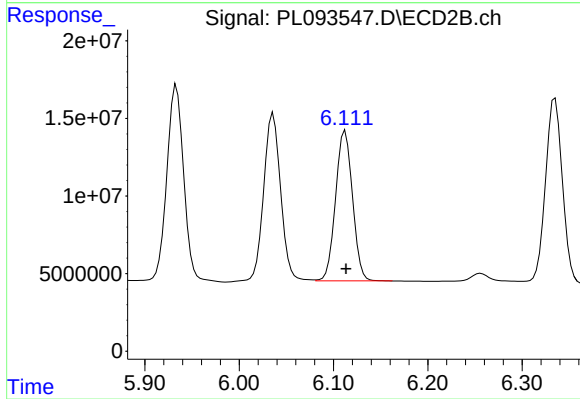
#17 4,4'-DDT

R.T.: 6.036 min
Delta R.T.: -0.001 min
Response: 134798270
Conc: 44.63 ng/ml



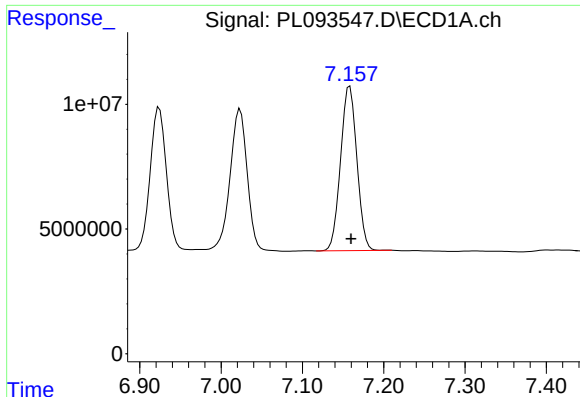
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: -0.002 min
Response: 79442821
Conc: 44.77 ng/ml



#18 Endrin aldehyde

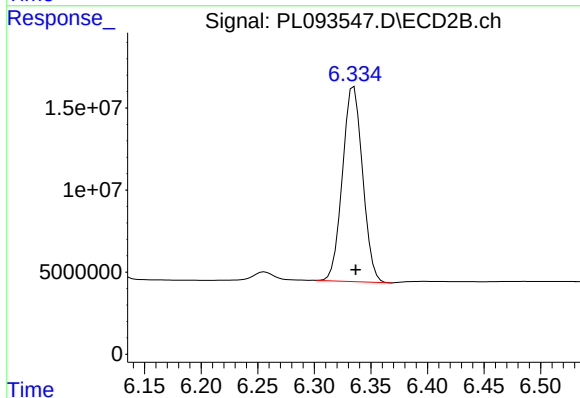
R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 120993274
Conc: 44.93 ng/ml



#19 Endosulfan Sulfate

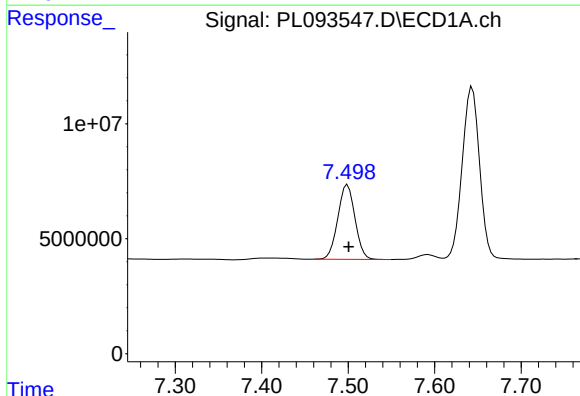
R.T.: 7.158 min
Delta R.T.: -0.002 min
Response: 91605377
Conc: 45.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165895BS



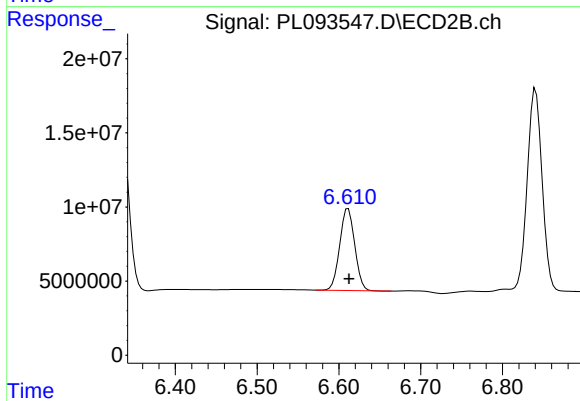
#19 Endosulfan Sulfate

R.T.: 6.335 min
Delta R.T.: -0.002 min
Response: 146902447
Conc: 46.57 ng/ml



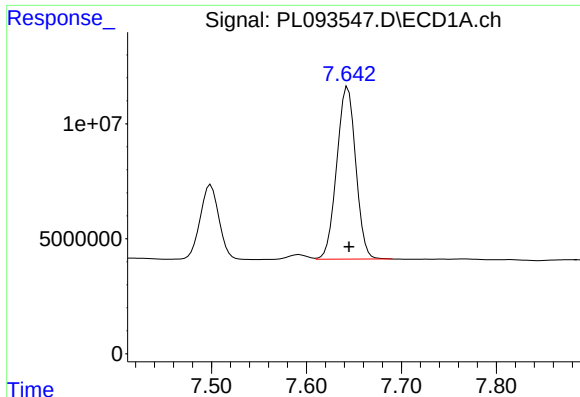
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: -0.001 min
Response: 44413299
Conc: 44.43 ng/ml



#20 Methoxychlor

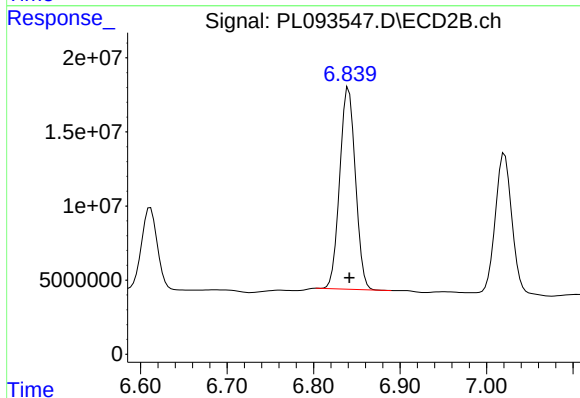
R.T.: 6.611 min
Delta R.T.: 0.000 min
Response: 70237256
Conc: 43.64 ng/ml



#21 Endrin ketone

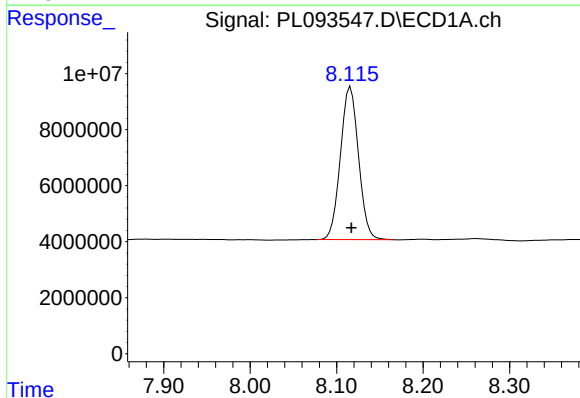
R.T.: 7.643 min
Delta R.T.: -0.001 min
Response: 104532307
Conc: 46.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165895BS



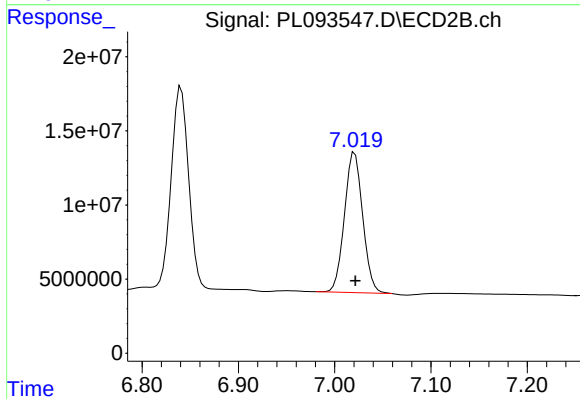
#21 Endrin ketone

R.T.: 6.841 min
Delta R.T.: -0.001 min
Response: 170325792
Conc: 46.79 ng/ml



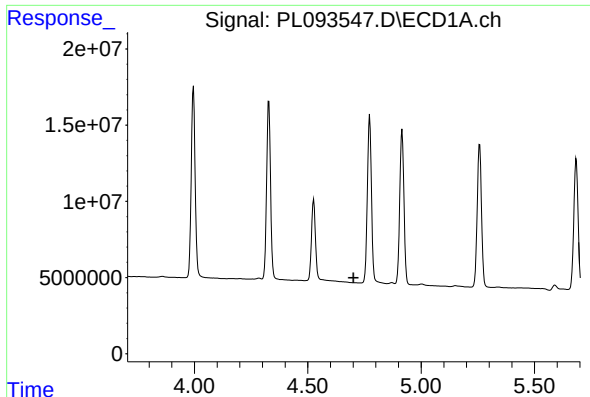
#22 Mirex

R.T.: 8.116 min
Delta R.T.: -0.001 min
Response: 78866509
Conc: 42.20 ng/ml



#22 Mirex

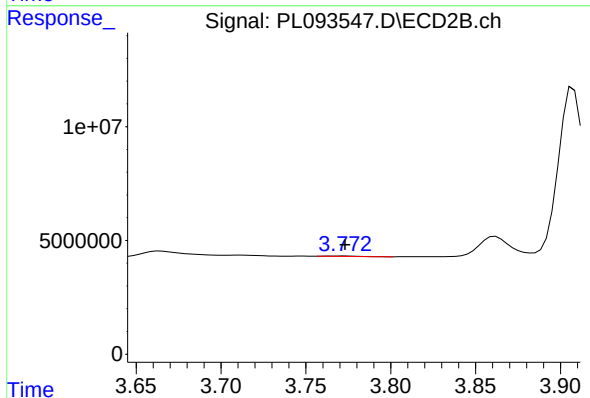
R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 124239639
Conc: 40.65 ng/ml



#23 Chlordane-1

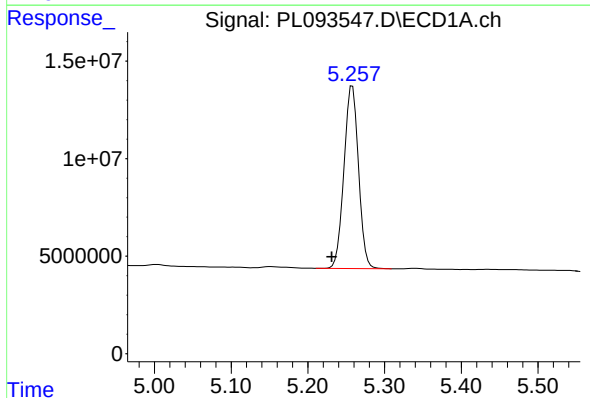
R.T.: 0.000 min
Exp R.T.: 4.702 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PB165895BS



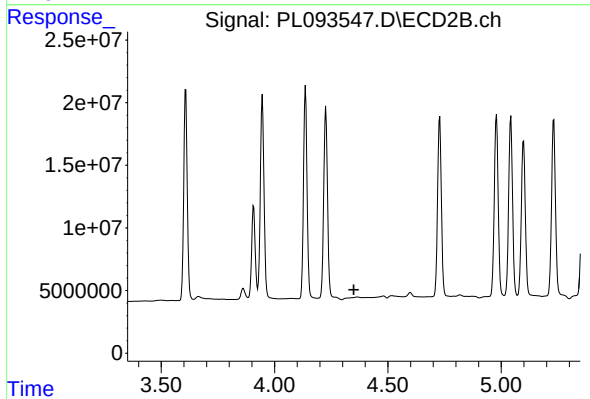
#23 Chlordane-1

R.T.: 3.772 min
Delta R.T.: -0.001 min
Response: 226264
Conc: 1.87 ng/ml



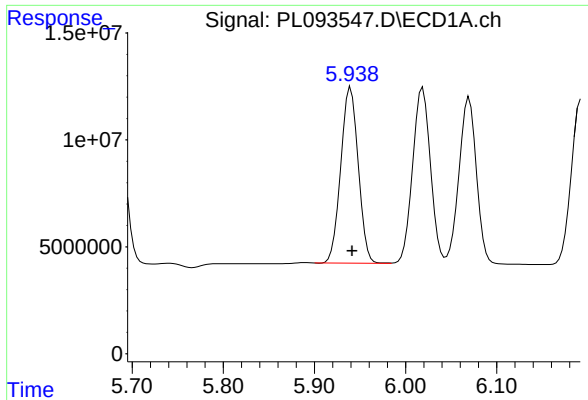
#24 Chlordane-2

R.T.: 5.258 min
Delta R.T.: 0.027 min
Response: 123684714
Conc: 1125.18 ng/ml



#24 Chlordane-2

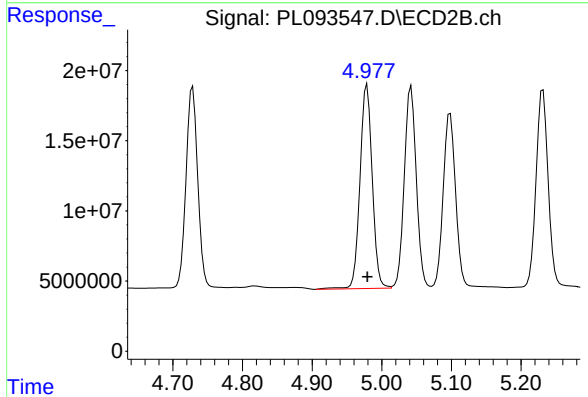
R.T.: 4.365 min
Delta R.T.: 0.015 min
Response: -2232639
Conc: N.D.



#25 Chlordane-3

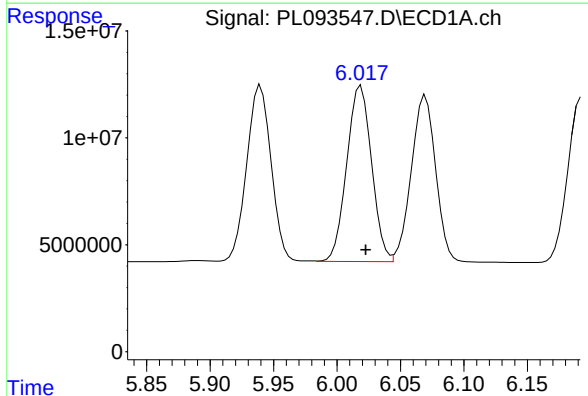
R.T.: 5.940 min
Delta R.T.: -0.002 min
Response: 109662607
Conc: 288.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165895BS



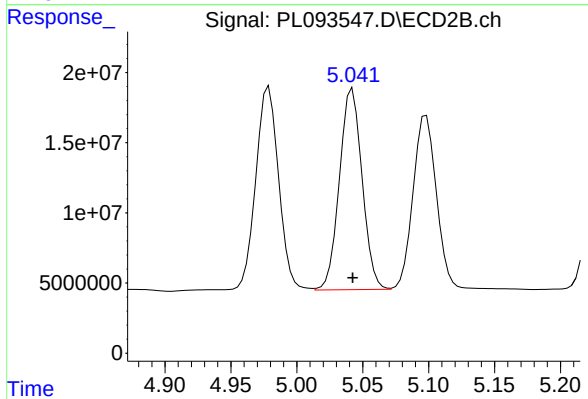
#25 Chlordane-3

R.T.: 4.979 min
Delta R.T.: 0.000 min
Response: 177583219
Conc: 418.48 ng/ml



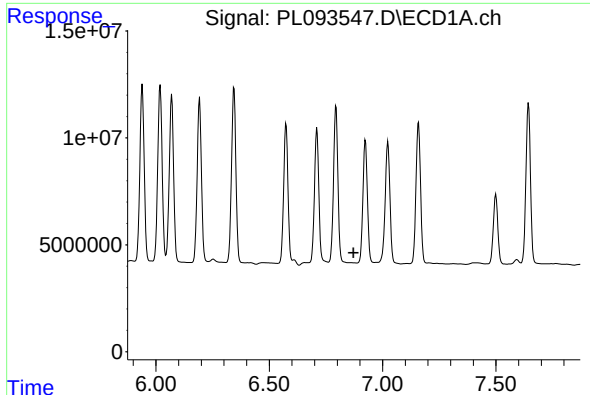
#26 Chlordane-4

R.T.: 6.019 min
Delta R.T.: -0.004 min
Response: 111981824
Conc: 246.47 ng/ml



#26 Chlordane-4

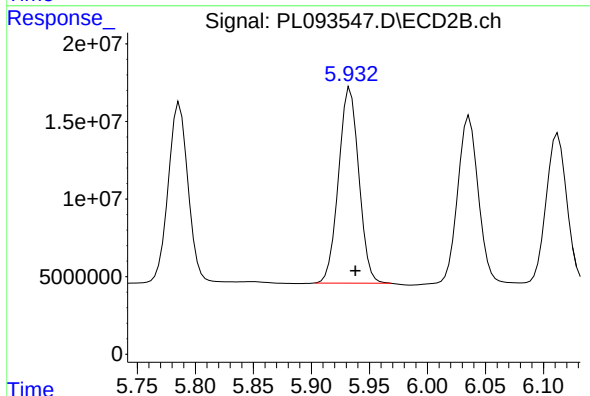
R.T.: 5.042 min
Delta R.T.: 0.000 min
Response: 171182226
Conc: 416.16 ng/ml



#27 Chlordane-5

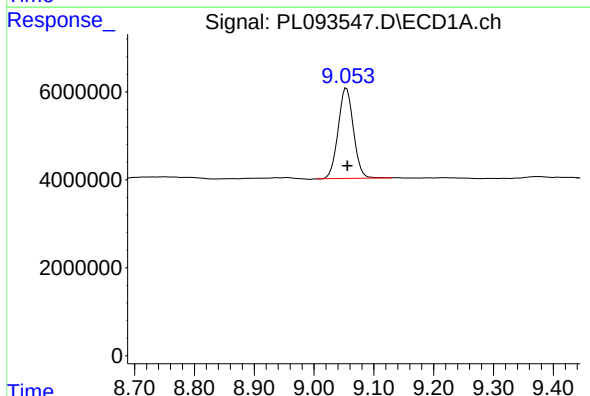
R.T.: 0.000 min
Exp R.T.: 6.872 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PB165895BS



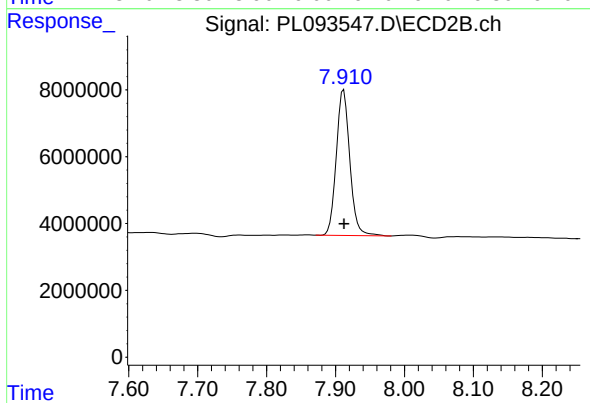
#27 Chlordane-5

R.T.: 5.934 min
Delta R.T.: -0.004 min
Response: 153310313
Conc: 1151.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.002 min
Response: 36539783
Conc: 19.76 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 59422474
Conc: 19.90 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
 Data File : PL093550.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Dec 2024 17:27
 Operator : AR\AJ
 Sample : P5362-02MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 WC-SOIL-20241219MS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 28 01:01:00 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 15:29:41 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.539	2.776	47228368	56265611	19.077	19.327
28)	SA Decachlor...	9.053	7.912	33069193	54555546	17.885	18.271
Target Compounds							
2)	A alpha-BHC	3.995	3.278	167.2E6	217.9E6	48.433	50.133
3)	MA gamma-BHC...	4.328	3.609	156.5E6	206.7E6	47.722	49.000
4)	MA Heptachlor	4.916	3.947	143.1E6	207.3E6	48.863	49.872
5)	MB Aldrin	5.257	4.227	133.3E6	195.1E6	45.813	47.550
6)	B beta-BHC	4.526	3.908	69755763	90072586	48.388	50.110
7)	B delta-BHC	4.773	4.137	154.4E6	208.4E6	50.406	49.279
8)	B Heptachlo...	5.684	4.729	126.1E6	186.6E6	47.861	48.730
9)	A Endosulfan I	6.070	5.098	114.7E6	177.7E6	48.603	50.870
10)	B gamma-Chl...	5.940	4.979	123.0E6	199.7E6	48.925	51.835
11)	B alpha-Chl...	6.019	5.043	123.3E6	193.0E6	49.267	50.678
12)	B 4,4'-DDE	6.193	5.231	113.1E6	190.3E6	50.399	51.759
13)	MA Dieldrin	6.345	5.363	122.5E6	195.8E6	49.087	50.800
14)	MA Endrin	6.574	5.638	100.0E6	165.7E6	46.462	50.085
15)	B Endosulfa...	6.794	5.933	107.0E6	172.9E6	47.078	53.214
16)	A 4,4'-DDD	6.710	5.786	91989122	154.6E6	52.387	54.634
17)	MA 4,4'-DDT	7.023	6.036	95224216	153.6E6	51.514	50.853
18)	B Endrin al...	6.924	6.112	83471063	130.5E6	47.038	48.454
19)	B Endosulfa...	7.158	6.335	100.1E6	163.9E6	49.591	51.950
20)	A Methoxychlor	7.500	6.611	49421054	79931140	49.437	49.658
21)	B Endrin ke...	7.644	6.840	113.4E6	192.6E6	50.553	52.914
22)	Mirex	8.117	7.020	84423088	139.0E6	45.177	45.479
23)	Chlordane-1	0.000	3.765	0	374050	N.D.	3.097 #
24)	Chlordane-2	5.257f	4.365	133.3E6	954312	1212.323	6.875 #
25)	Chlordane-3	5.940	4.979	123.0E6	199.7E6	323.496	470.644 #
26)	Chlordane-4	6.019	5.043	123.3E6	193.0E6	271.402	469.083 #
27)	Chlordane-5	0.000	5.933	0	172.9E6	N.D.	1298.515 #

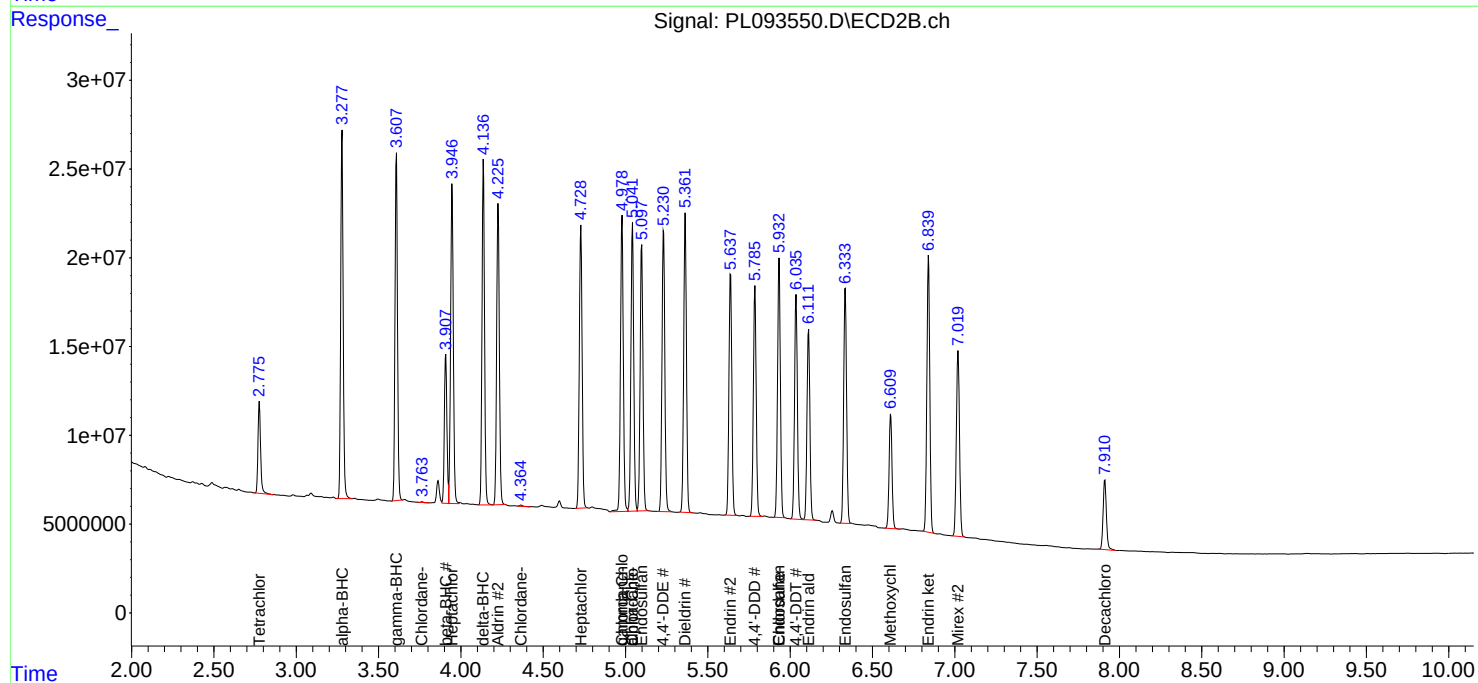
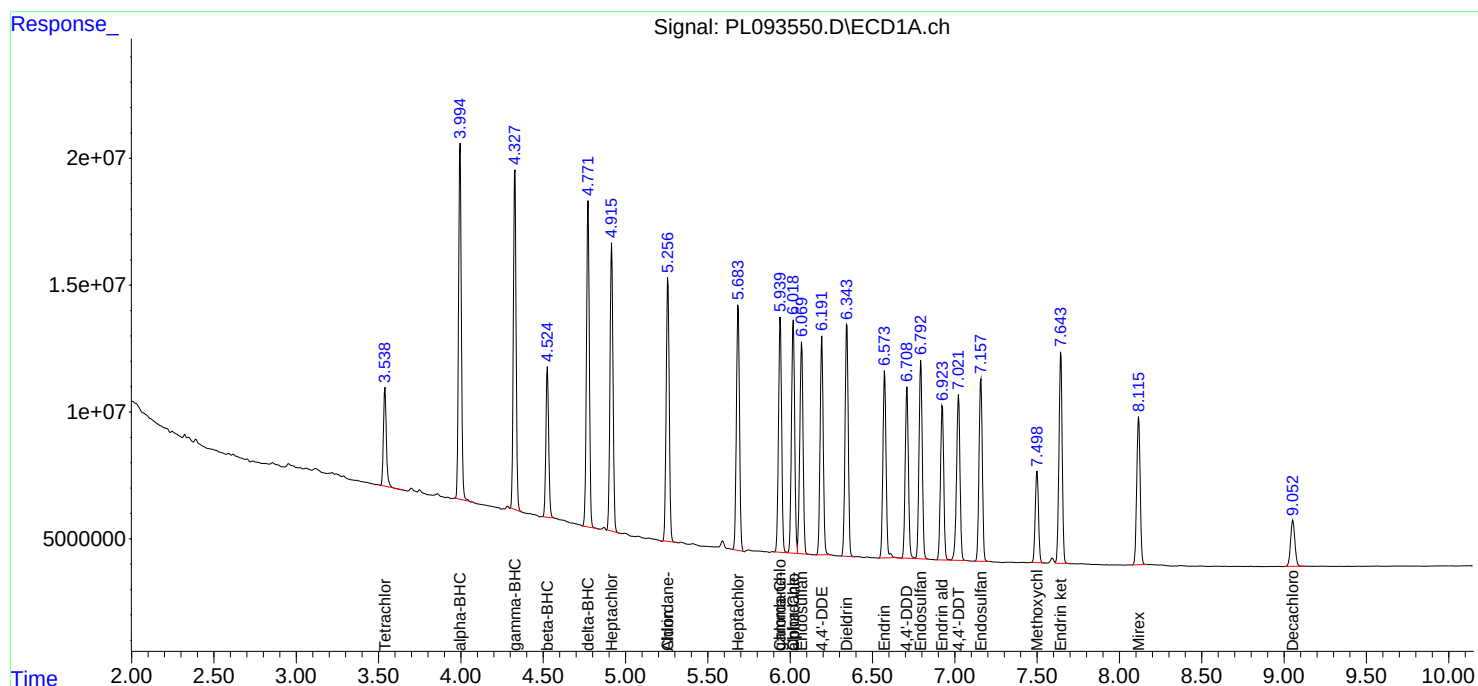
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

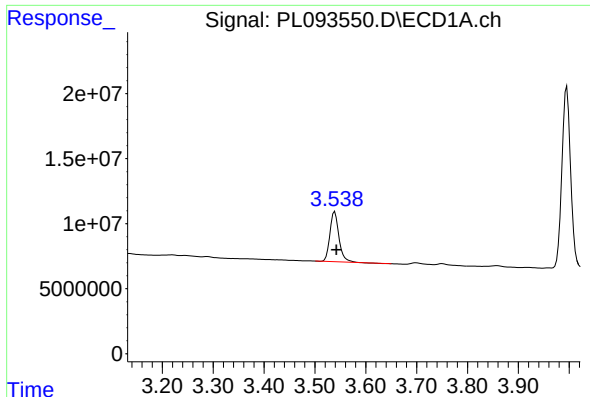
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
Data File : PL093550.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Dec 2024 17:27
Operator : AR\AJ
Sample : P5362-02MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 28 01:01:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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

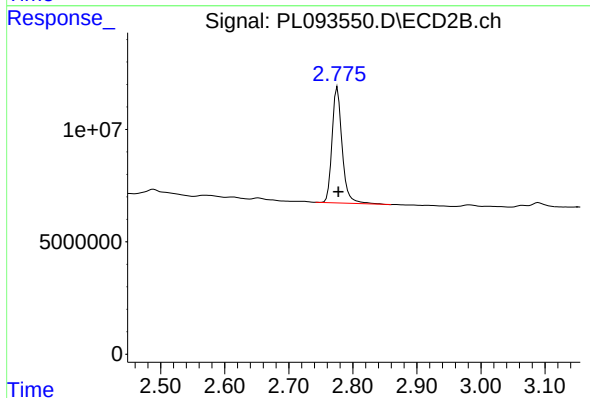




#1 Tetrachloro-m-xylene

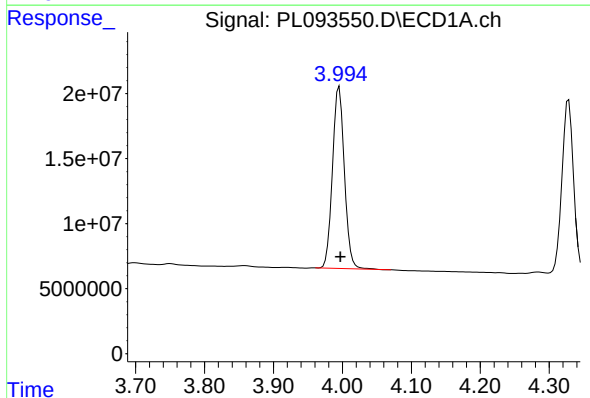
R.T.: 3.539 min
Delta R.T.: -0.003 min
Response: 47228368
Conc: 19.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS



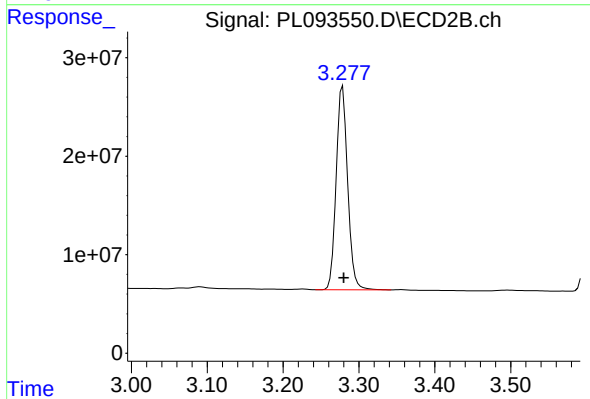
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.001 min
Response: 56265611
Conc: 19.33 ng/ml



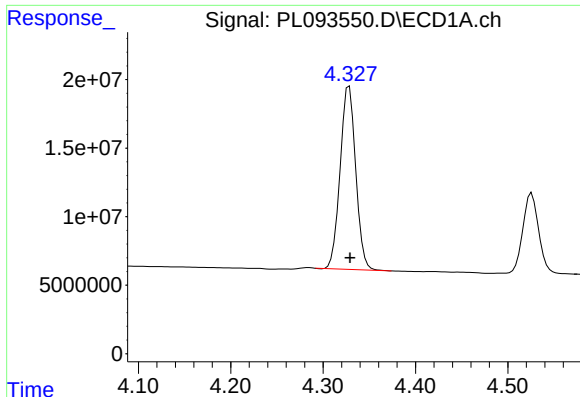
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: -0.002 min
Response: 167209864
Conc: 48.43 ng/ml



#2 alpha-BHC

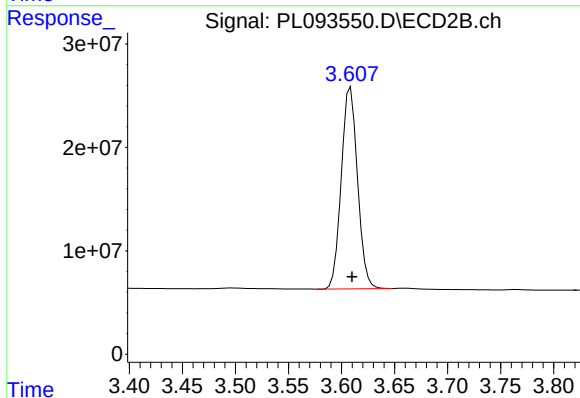
R.T.: 3.278 min
Delta R.T.: -0.001 min
Response: 217917894
Conc: 50.13 ng/ml



#3 gamma-BHC (Lindane)

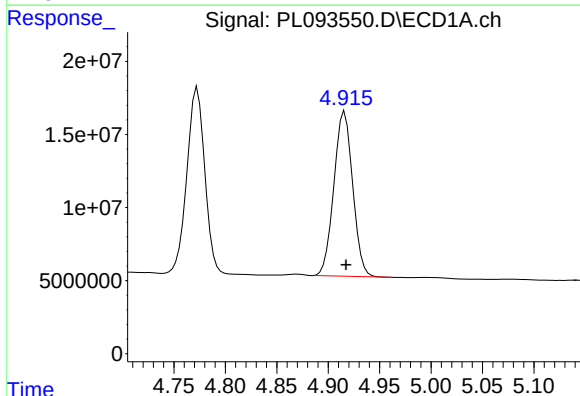
R.T.: 4.328 min
Delta R.T.: -0.001 min
Response: 156502345
Conc: 47.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS



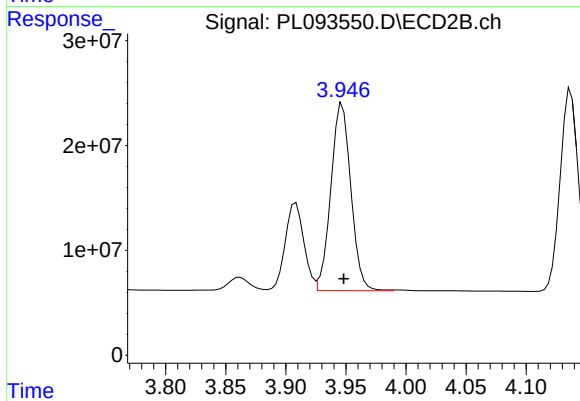
#3 gamma-BHC (Lindane)

R.T.: 3.609 min
Delta R.T.: -0.001 min
Response: 206749021
Conc: 49.00 ng/ml



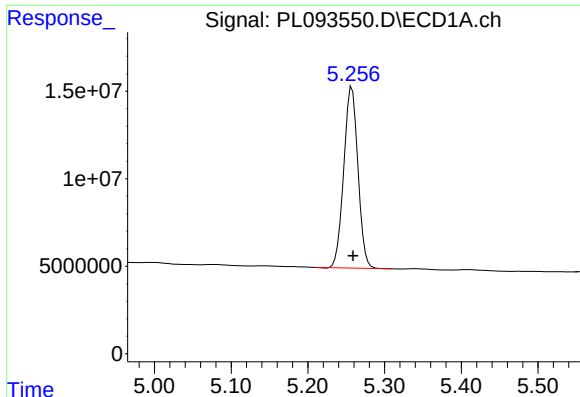
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: -0.002 min
Response: 143085303
Conc: 48.86 ng/ml



#4 Heptachlor

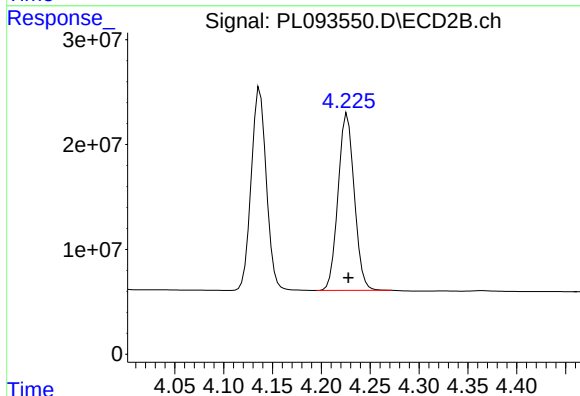
R.T.: 3.947 min
Delta R.T.: -0.001 min
Response: 207264230
Conc: 49.87 ng/ml



#5 Aldrin

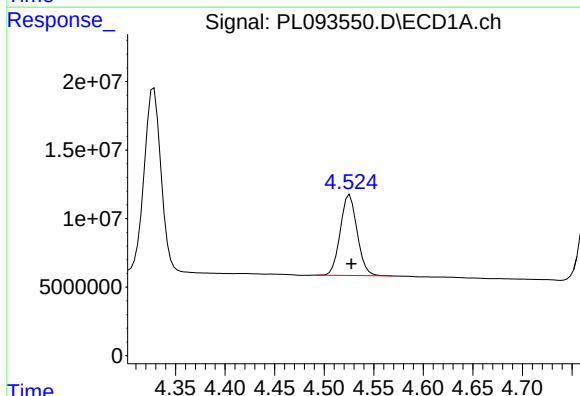
R.T.: 5.257 min
Delta R.T.: -0.002 min
Response: 133263653
Conc: 45.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS



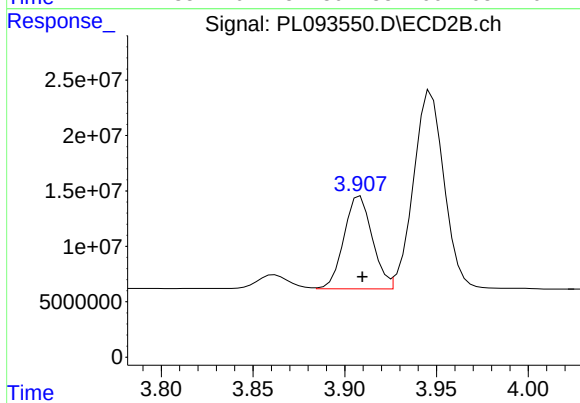
#5 Aldrin

R.T.: 4.227 min
Delta R.T.: -0.001 min
Response: 195065349
Conc: 47.55 ng/ml



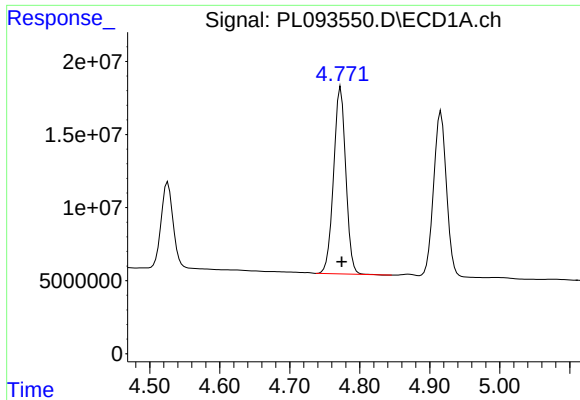
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: -0.002 min
Response: 69755763
Conc: 48.39 ng/ml



#6 beta-BHC

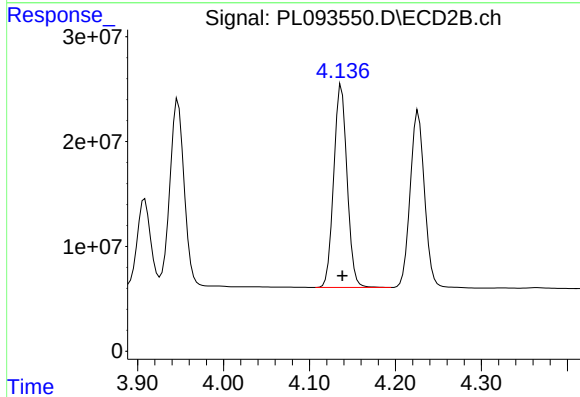
R.T.: 3.908 min
Delta R.T.: -0.001 min
Response: 90072586
Conc: 50.11 ng/ml



#7 delta-BHC

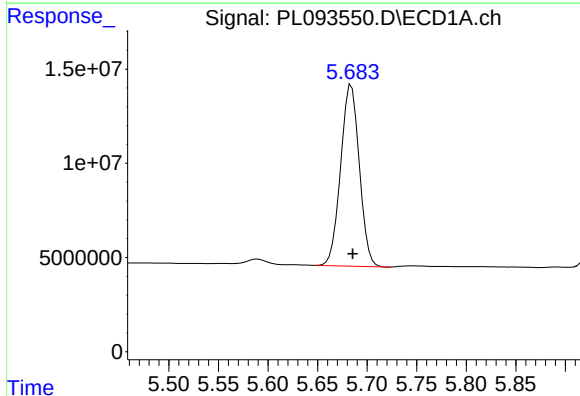
R.T.: 4.773 min
Delta R.T.: -0.002 min
Response: 154371607
Conc: 50.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS



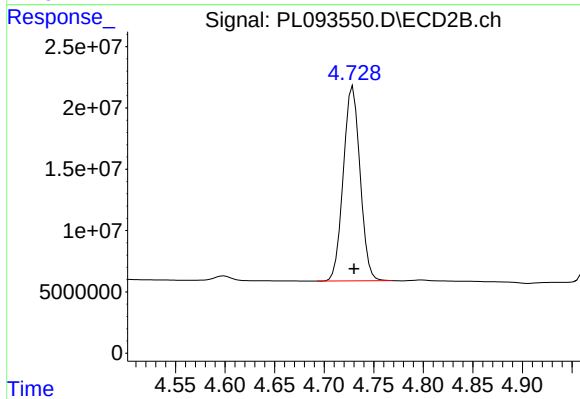
#7 delta-BHC

R.T.: 4.137 min
Delta R.T.: -0.001 min
Response: 208396323
Conc: 49.28 ng/ml



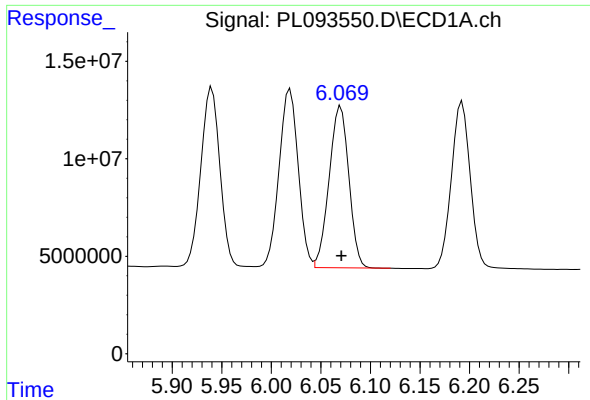
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: -0.001 min
Response: 126082542
Conc: 47.86 ng/ml



#8 Heptachlor epoxide

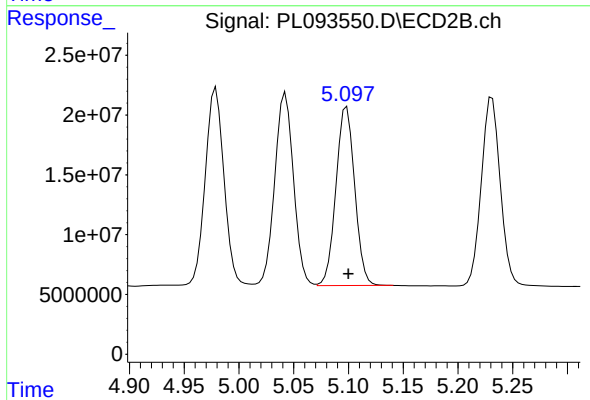
R.T.: 4.729 min
Delta R.T.: -0.001 min
Response: 186574487
Conc: 48.73 ng/ml



#9 Endosulfan I

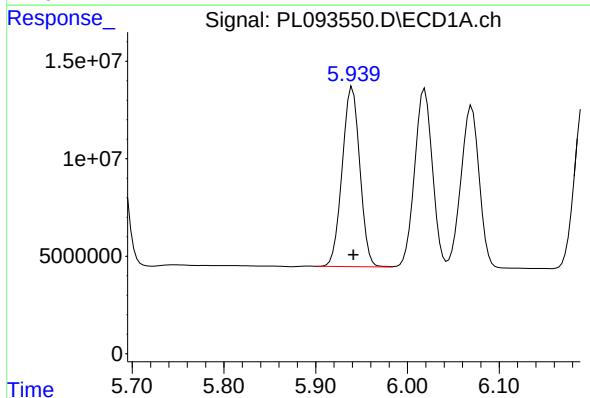
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 114667835
Conc: 48.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS



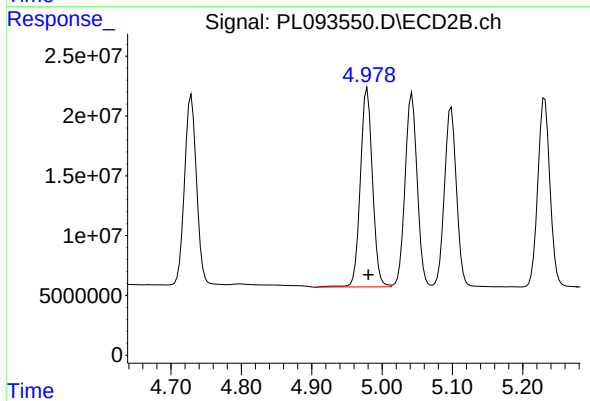
#9 Endosulfan I

R.T.: 5.098 min
Delta R.T.: -0.002 min
Response: 177735881
Conc: 50.87 ng/ml



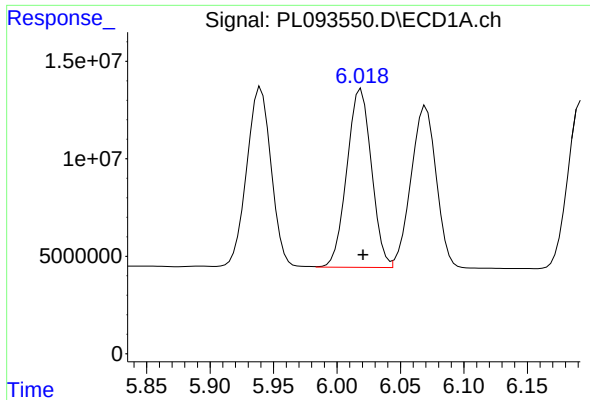
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.001 min
Response: 122952213
Conc: 48.92 ng/ml



#10 gamma-Chlordane

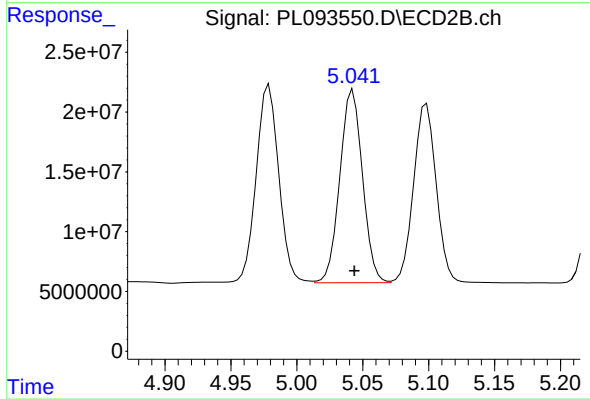
R.T.: 4.979 min
Delta R.T.: -0.001 min
Response: 199721259
Conc: 51.84 ng/ml



#11 alpha-Chlordane

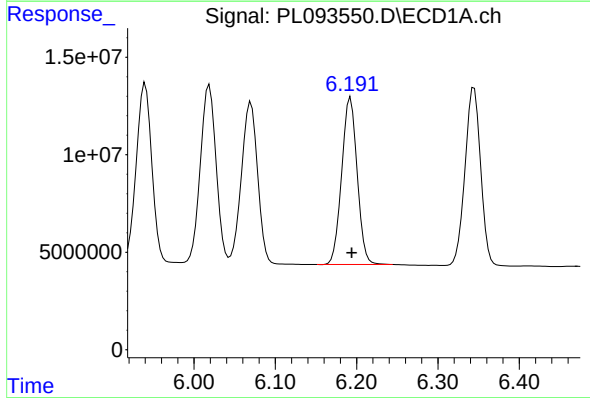
R.T.: 6.019 min
Delta R.T.: -0.001 min
Response: 123309554
Conc: 49.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS



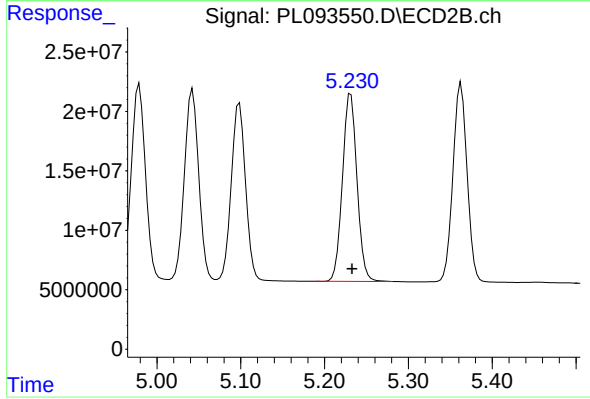
#11 alpha-Chlordane

R.T.: 5.043 min
Delta R.T.: -0.001 min
Response: 192951933
Conc: 50.68 ng/ml



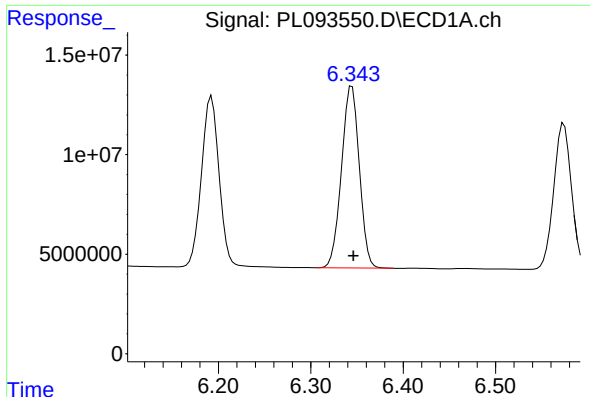
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: -0.001 min
Response: 113087824
Conc: 50.40 ng/ml



#12 4,4'-DDE

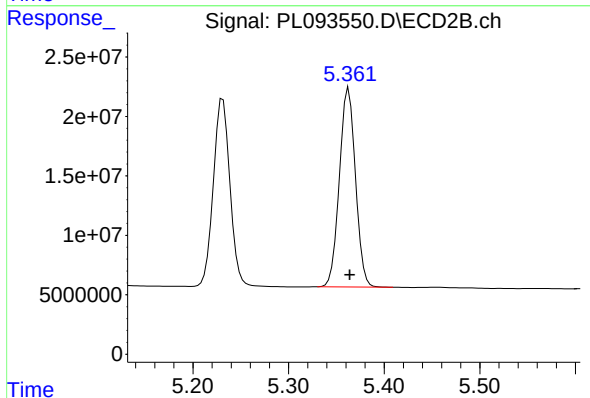
R.T.: 5.231 min
Delta R.T.: -0.002 min
Response: 190331975
Conc: 51.76 ng/ml



#13 Dieldrin

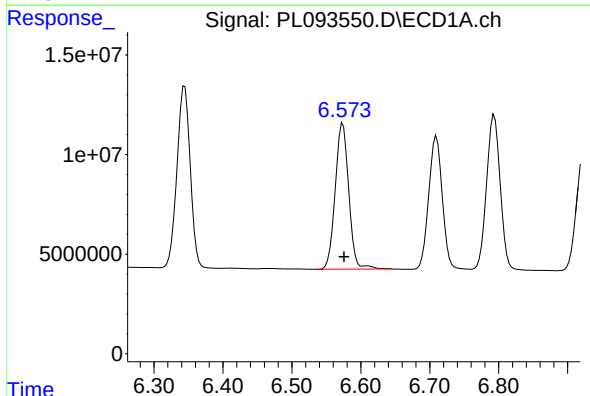
R.T.: 6.345 min
Delta R.T.: -0.001 min
Response: 122475383
Conc: 49.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS



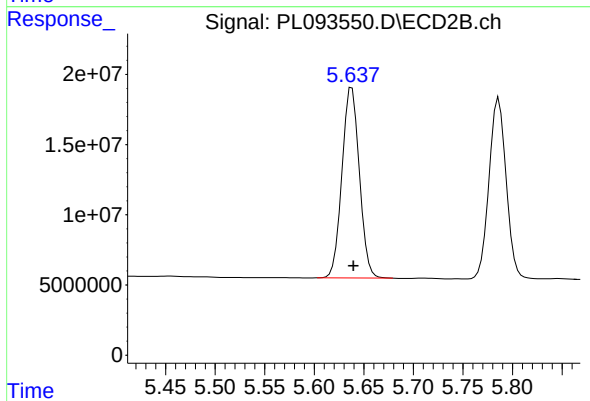
#13 Dieldrin

R.T.: 5.363 min
Delta R.T.: -0.001 min
Response: 195775871
Conc: 50.80 ng/ml



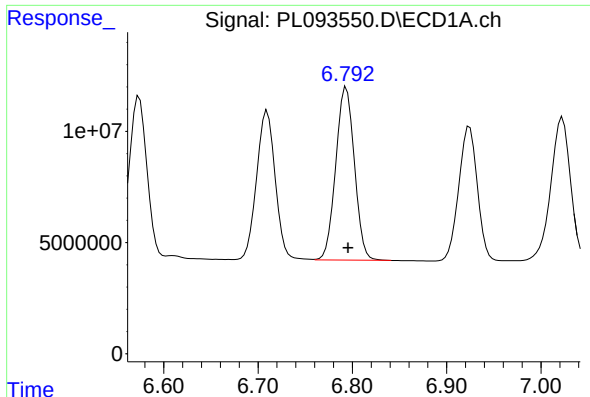
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.002 min
Response: 100006315
Conc: 46.46 ng/ml



#14 Endrin

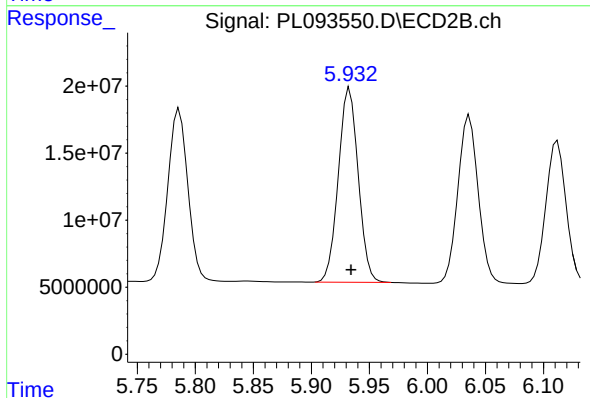
R.T.: 5.638 min
Delta R.T.: -0.002 min
Response: 165697290
Conc: 50.08 ng/ml



#15 Endosulfan II

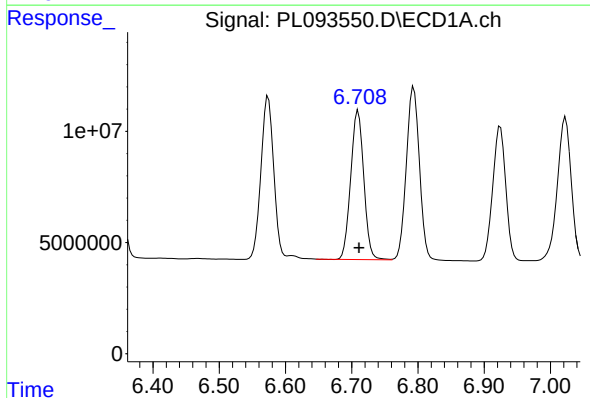
R.T.: 6.794 min
Delta R.T.: -0.002 min
Response: 107021435
Conc: 47.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS



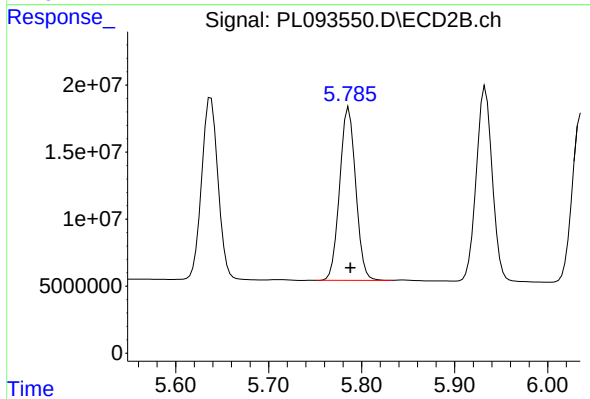
#15 Endosulfan II

R.T.: 5.933 min
Delta R.T.: -0.001 min
Response: 172888749
Conc: 53.21 ng/ml



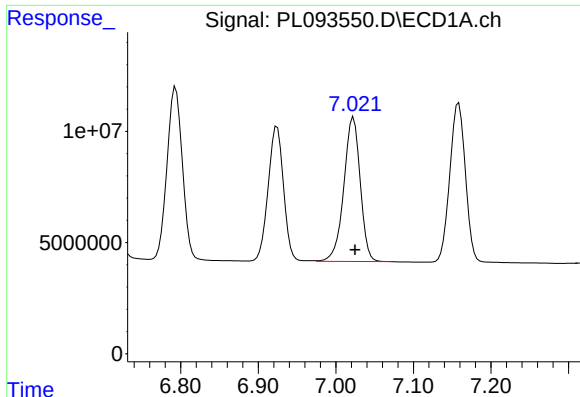
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: -0.001 min
Response: 91989122
Conc: 52.39 ng/ml



#16 4,4'-DDD

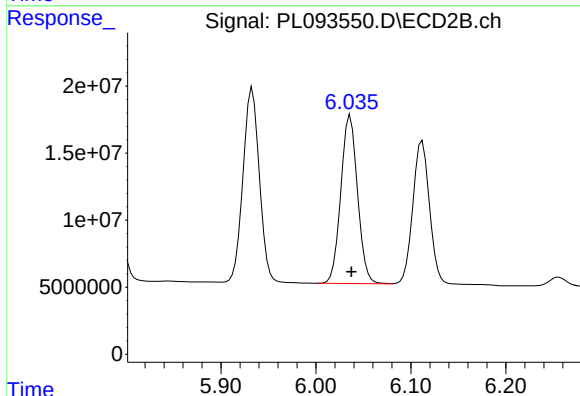
R.T.: 5.786 min
Delta R.T.: -0.002 min
Response: 154621090
Conc: 54.63 ng/ml



#17 4,4'-DDT

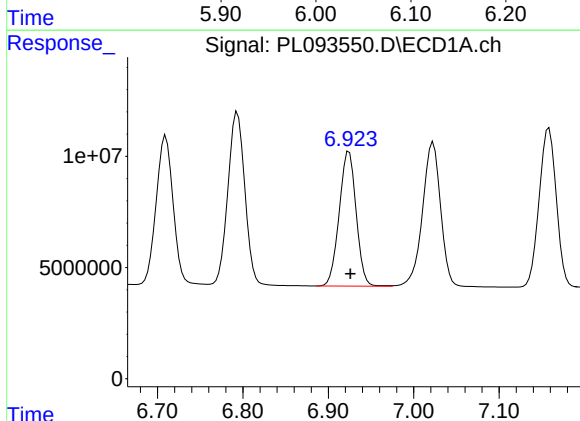
R.T.: 7.023 min
Delta R.T.: -0.002 min
Response: 95224216
Conc: 51.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS



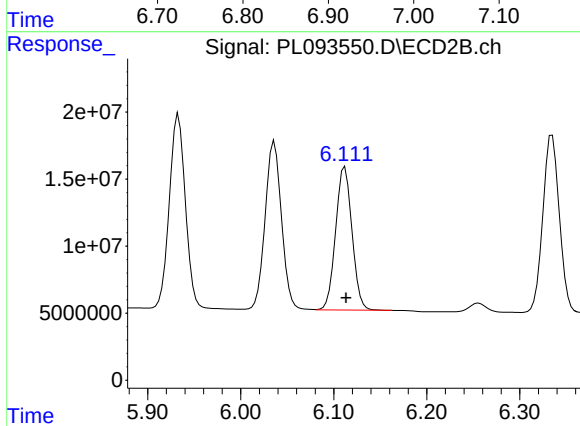
#17 4,4'-DDT

R.T.: 6.036 min
Delta R.T.: -0.001 min
Response: 153590777
Conc: 50.85 ng/ml



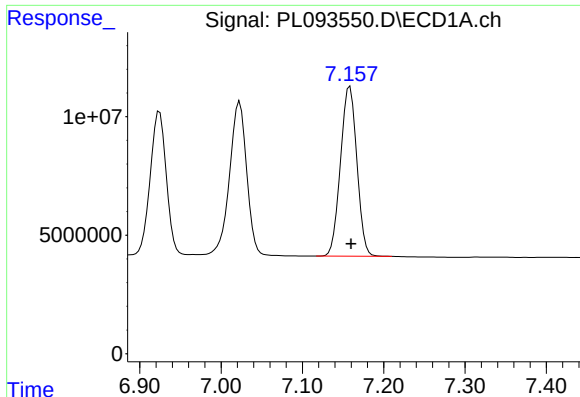
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: -0.002 min
Response: 83471063
Conc: 47.04 ng/ml



#18 Endrin aldehyde

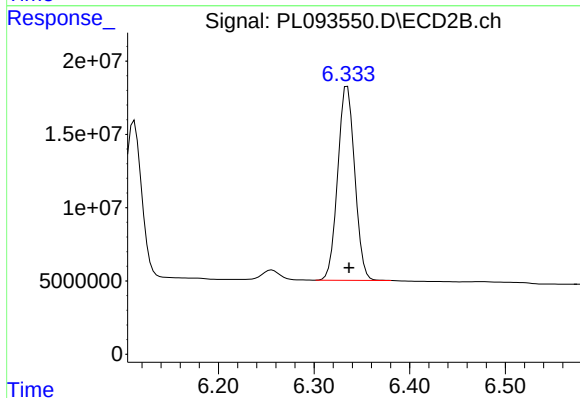
R.T.: 6.112 min
Delta R.T.: -0.001 min
Response: 130491132
Conc: 48.45 ng/ml



#19 Endosulfan Sulfate

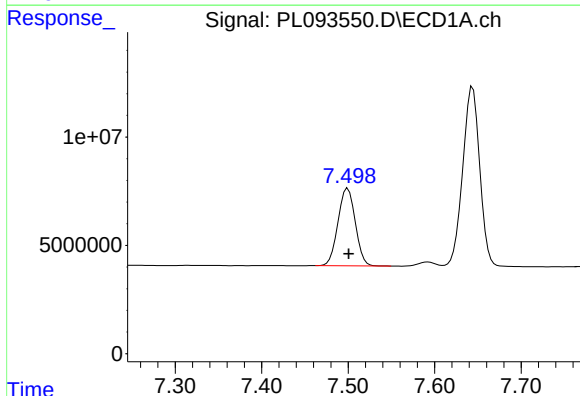
R.T.: 7.158 min
Delta R.T.: -0.001 min
Response: 100125214
Conc: 49.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS



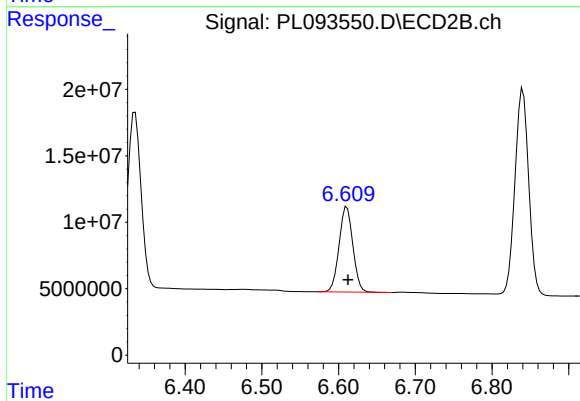
#19 Endosulfan Sulfate

R.T.: 6.335 min
Delta R.T.: -0.002 min
Response: 163873231
Conc: 51.95 ng/ml



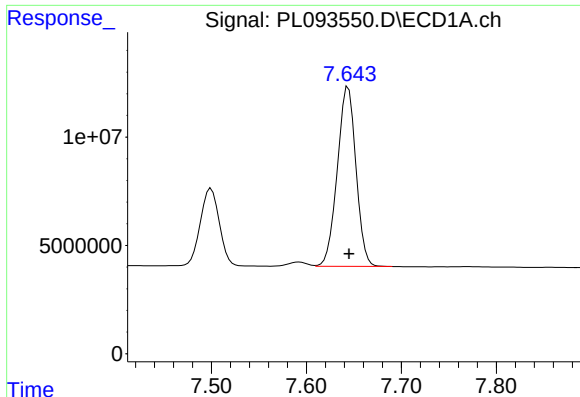
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 49421054
Conc: 49.44 ng/ml



#20 Methoxychlor

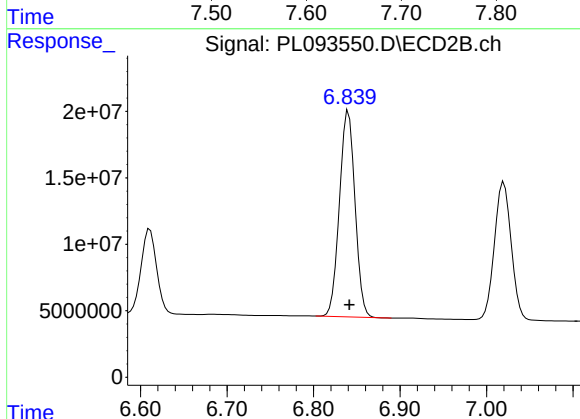
R.T.: 6.611 min
Delta R.T.: -0.002 min
Response: 79931140
Conc: 49.66 ng/ml



#21 Endrin ketone

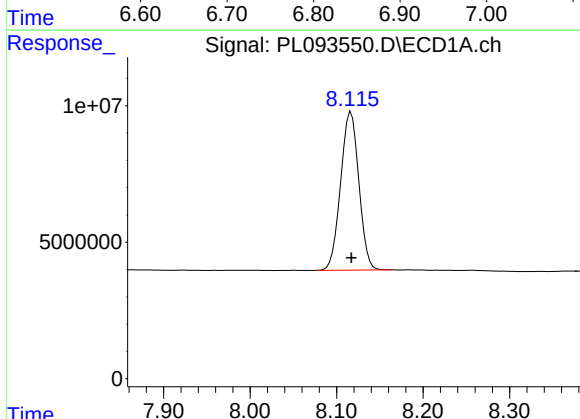
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 113433780
Conc: 50.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS



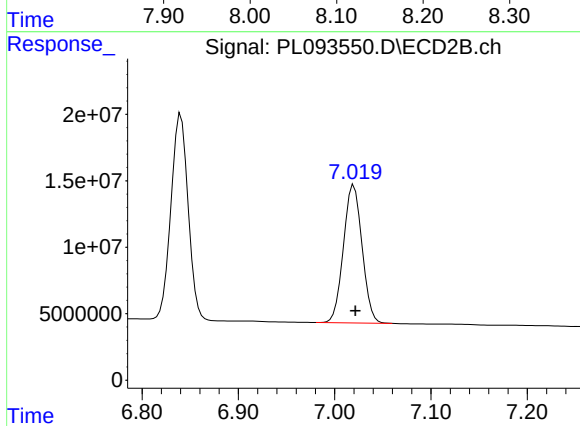
#21 Endrin ketone

R.T.: 6.840 min
Delta R.T.: -0.001 min
Response: 192628479
Conc: 52.91 ng/ml



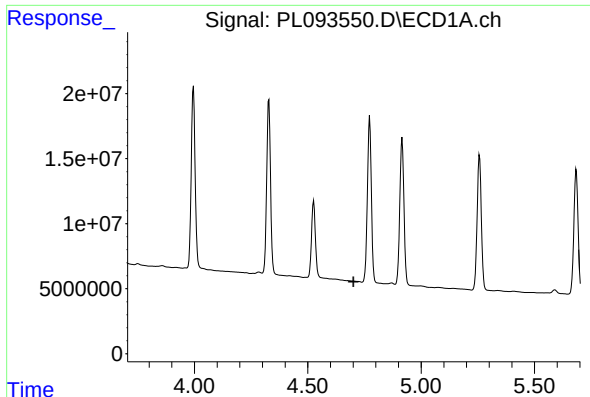
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 84423088
Conc: 45.18 ng/ml



#22 Mirex

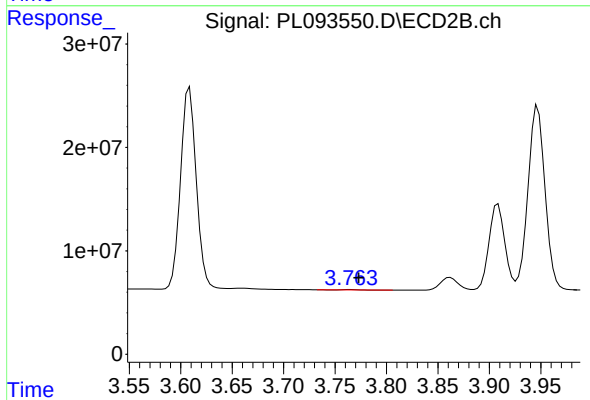
R.T.: 7.020 min
Delta R.T.: -0.002 min
Response: 139007969
Conc: 45.48 ng/ml



#23 Chlordane-1

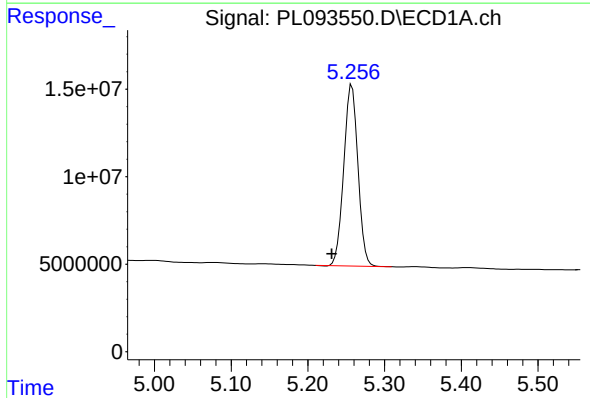
R.T.: 0.000 min
Exp R.T.: 4.702 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS



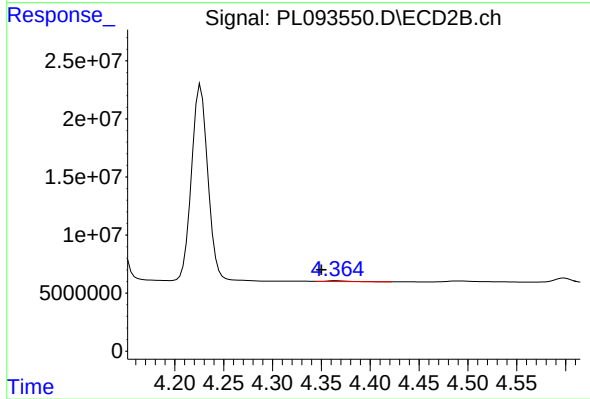
#23 Chlordane-1

R.T.: 3.765 min
Delta R.T.: -0.009 min
Response: 374050
Conc: 3.10 ng/ml



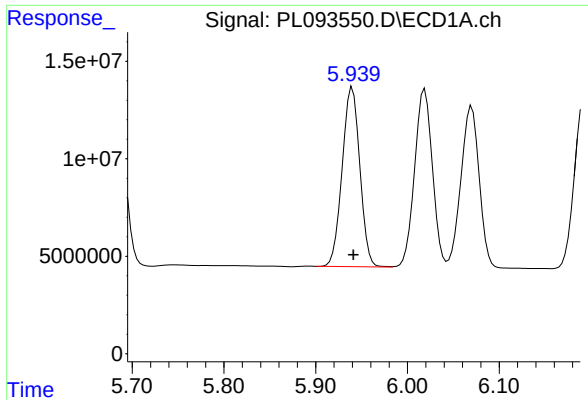
#24 Chlordane-2

R.T.: 5.257 min
Delta R.T.: 0.026 min
Response: 133263653
Conc: 1212.32 ng/ml



#24 Chlordane-2

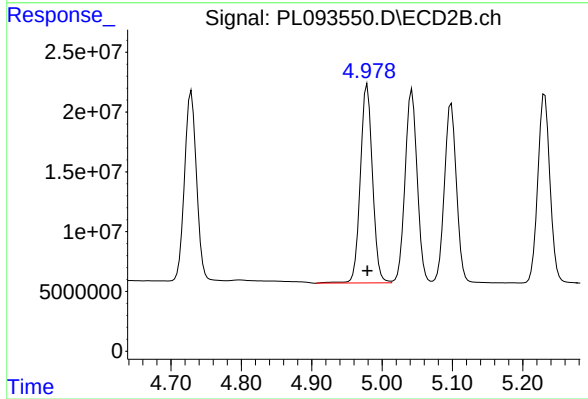
R.T.: 4.365 min
Delta R.T.: 0.015 min
Response: 954312
Conc: 6.87 ng/ml



#25 Chlordane-3

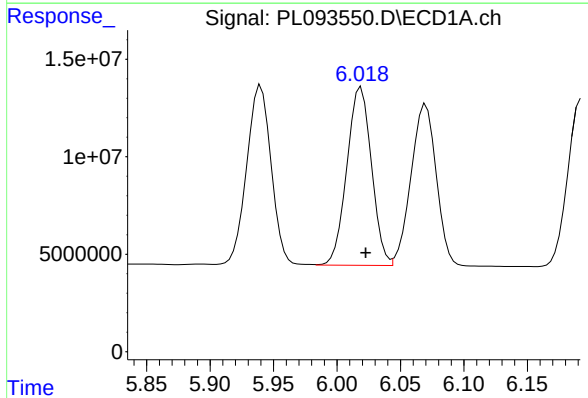
R.T.: 5.940 min
Delta R.T.: -0.001 min
Response: 122952213
Conc: 323.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS



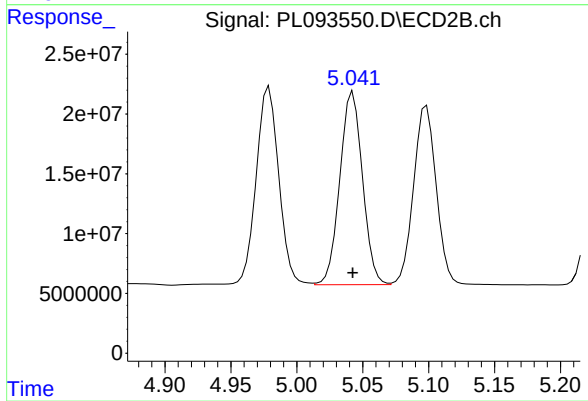
#25 Chlordane-3

R.T.: 4.979 min
Delta R.T.: 0.000 min
Response: 199721259
Conc: 470.64 ng/ml



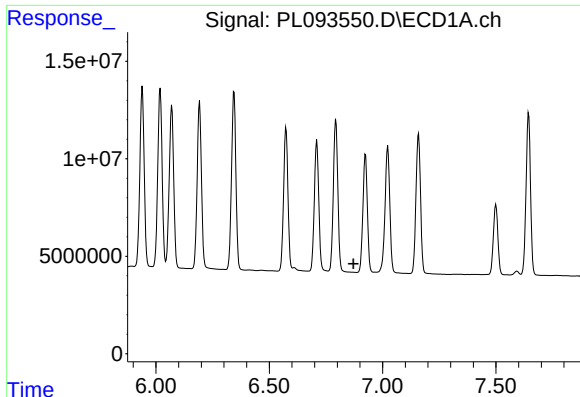
#26 Chlordane-4

R.T.: 6.019 min
Delta R.T.: -0.004 min
Response: 123309554
Conc: 271.40 ng/ml



#26 Chlordane-4

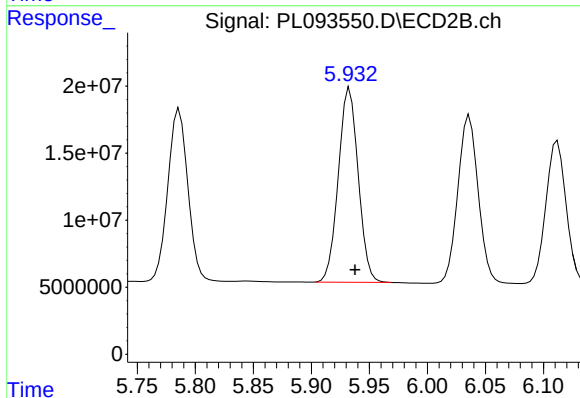
R.T.: 5.043 min
Delta R.T.: 0.000 min
Response: 192951933
Conc: 469.08 ng/ml



#27 Chlordane-5

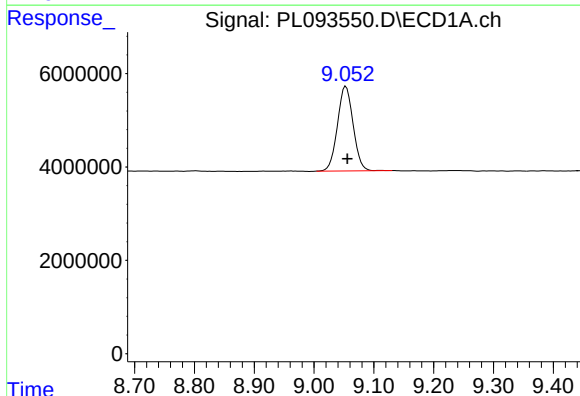
R.T.: 0.000 min
Exp R.T.: 6.872 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MS



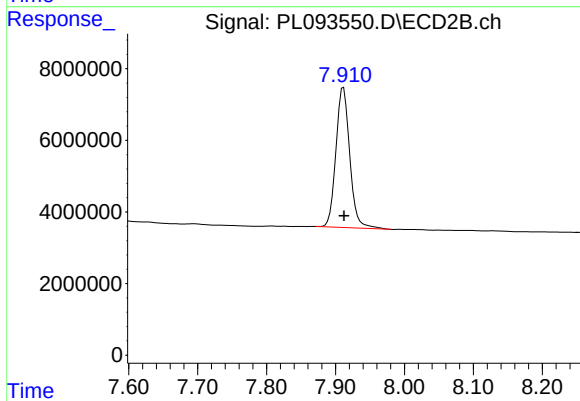
#27 Chlordane-5

R.T.: 5.933 min
Delta R.T.: -0.005 min
Response: 172888749
Conc: 1298.52 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.002 min
Response: 33069193
Conc: 17.88 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 54555546
Conc: 18.27 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
 Data File : PL093551.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Dec 2024 17:40
 Operator : AR\AJ
 Sample : P5362-02MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 WC-SOIL-20241219MSD

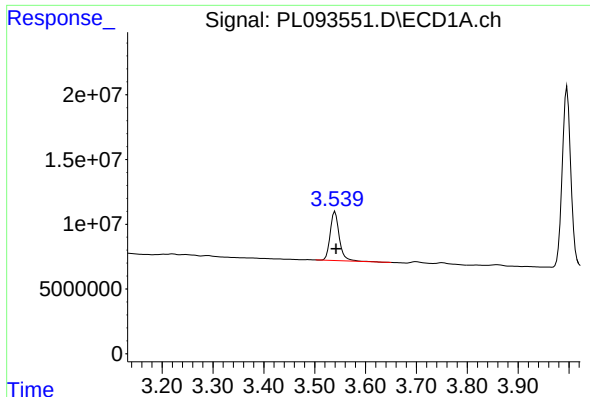
Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 28 01:01:31 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 15:29:41 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.540	2.776	46818514	54956879	18.911	18.878
2)	SA Decachlor...	9.055	7.912	32488376	53908974	17.571	18.054
Target Compounds							
2)	A alpha-BHC	3.996	3.279	164.1E6	212.4E6	47.544	48.854
3)	MA gamma-BHC...	4.329	3.609	153.0E6	202.5E6	46.665	47.990
4)	MA Heptachlor	4.918	3.947	141.0E6	202.9E6	48.156	48.820
5)	MB Aldrin	5.259	4.227	132.1E6	191.4E6	45.414	46.649
6)	B beta-BHC	4.527	3.909	69095480	88309096	47.930	49.129
7)	B delta-BHC	4.774	4.137	153.2E6	204.0E6	50.020	48.238
8)	B Heptachlo...	5.685	4.729	124.5E6	182.7E6	47.254	47.726
9)	A Endosulfan I	6.071	5.099	112.9E6	174.5E6	47.862	49.949
10)	B gamma-Chl...	5.941	4.979	120.2E6	195.5E6	47.840	50.730
11)	B alpha-Chl...	6.020	5.043	121.1E6	189.9E6	48.393	49.884
12)	B 4,4'-DDE	6.194	5.232	110.3E6	186.3E6	49.172	50.670
13)	MA Dieldrin	6.346	5.363	120.4E6	192.1E6	48.247	49.850
14)	MA Endrin	6.575	5.639	97817007	162.2E6	45.445	49.016
15)	B Endosulfa...	6.796	5.934	105.5E6	170.0E6	46.397	52.332
16)	A 4,4'-DDD	6.711	5.786	90032578	153.3E6	51.273	54.163
17)	MA 4,4'-DDT	7.024	6.037	93705248	152.1E6	50.692	50.375
18)	B Endrin al...	6.925	6.113	82126950	128.3E6	46.281	47.625
19)	B Endosulfa...	7.160	6.336	98633362	160.2E6	48.852	50.800
20)	A Methoxychlor	7.501	6.612	48422943	79591142	48.439	49.447
21)	B Endrin ke...	7.644	6.840	112.0E6	190.1E6	49.929	52.213
22)	Mirex	8.117	7.021	83958922	137.6E6	44.929	45.014
23)	Chlordane-1	0.000	3.765	0	389002	N.D.	3.221 #
24)	Chlordane-2	5.259f	4.366	132.1E6	855775	1201.766	6.165 #
25)	Chlordane-3	5.941	4.979	120.2E6	195.5E6	316.322	460.611 #
26)	Chlordane-4	6.020	5.043	121.1E6	189.9E6	266.592	461.730 #
27)	Chlordane-5	0.000	5.934	0	170.0E6	N.D.	1276.999 #

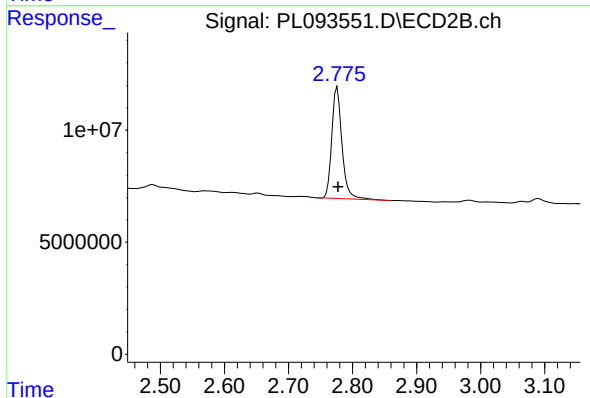
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



#1 Tetrachloro-m-xylene

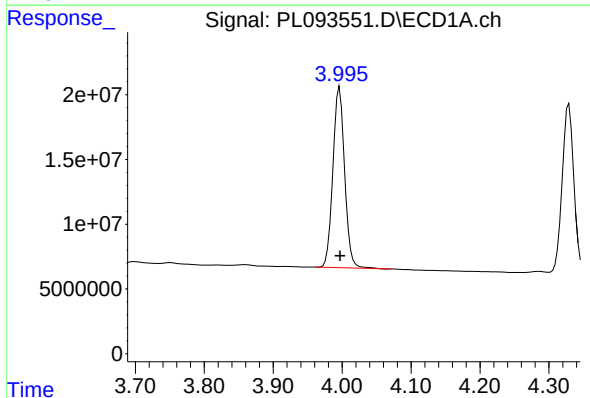
R.T.: 3.540 min
Delta R.T.: -0.002 min
Response: 46818514
Conc: 18.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD



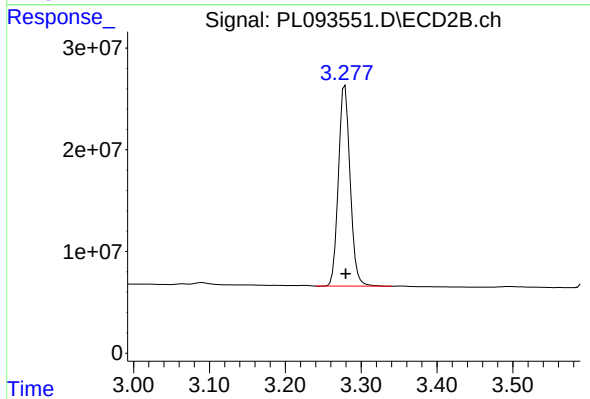
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.001 min
Response: 54956879
Conc: 18.88 ng/ml



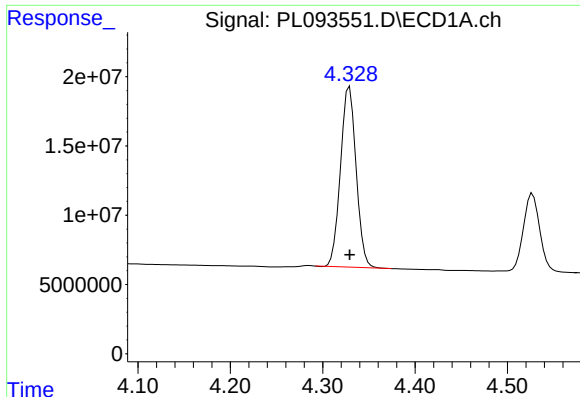
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 164140917
Conc: 47.54 ng/ml



#2 alpha-BHC

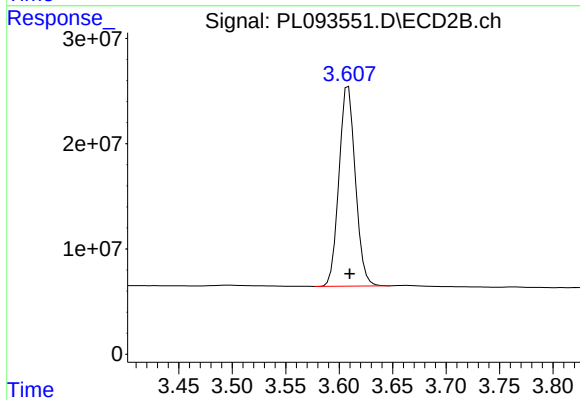
R.T.: 3.279 min
Delta R.T.: -0.001 min
Response: 212359453
Conc: 48.85 ng/ml



#3 gamma-BHC (Lindane)

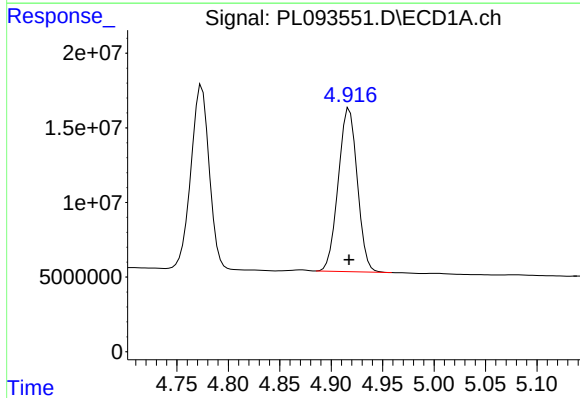
R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 153035810
Conc: 46.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD



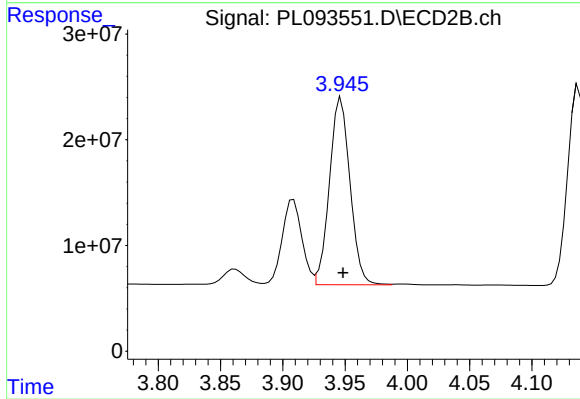
#3 gamma-BHC (Lindane)

R.T.: 3.609 min
Delta R.T.: -0.001 min
Response: 202486134
Conc: 47.99 ng/ml



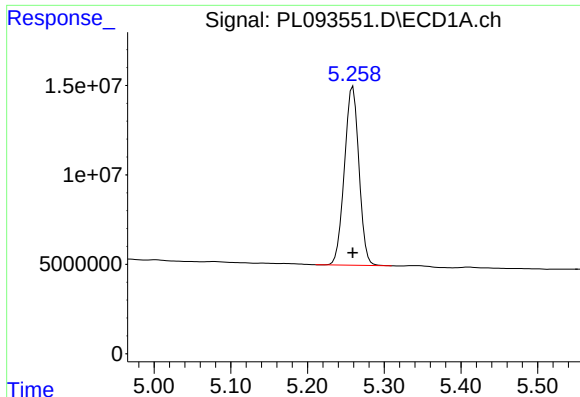
#4 Heptachlor

R.T.: 4.918 min
Delta R.T.: 0.000 min
Response: 141014823
Conc: 48.16 ng/ml



#4 Heptachlor

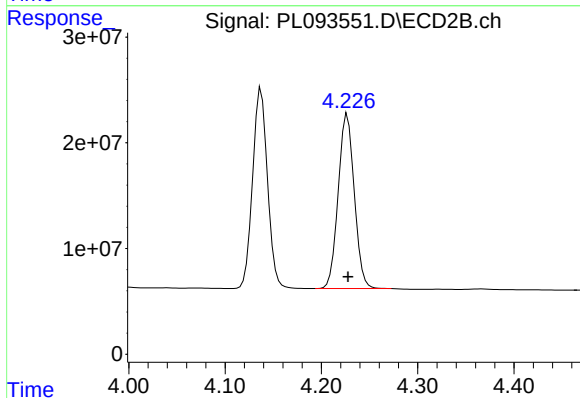
R.T.: 3.947 min
Delta R.T.: -0.001 min
Response: 202893828
Conc: 48.82 ng/ml



#5 Aldrin

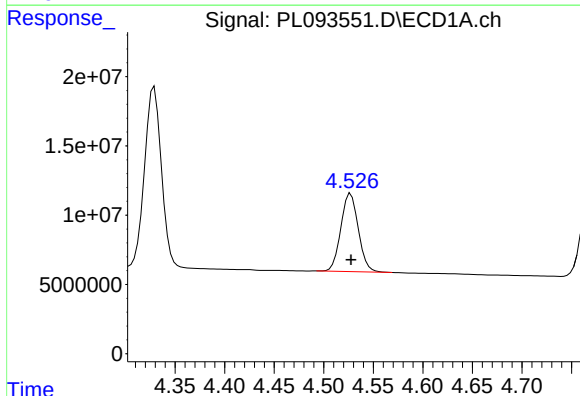
R.T.: 5.259 min
Delta R.T.: 0.000 min
Response: 132103104
Conc: 45.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD



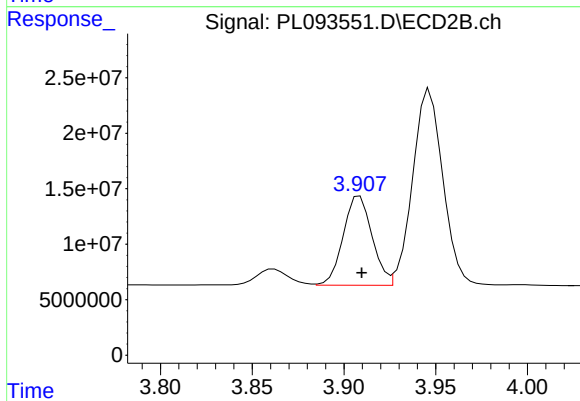
#5 Aldrin

R.T.: 4.227 min
Delta R.T.: 0.000 min
Response: 191366852
Conc: 46.65 ng/ml



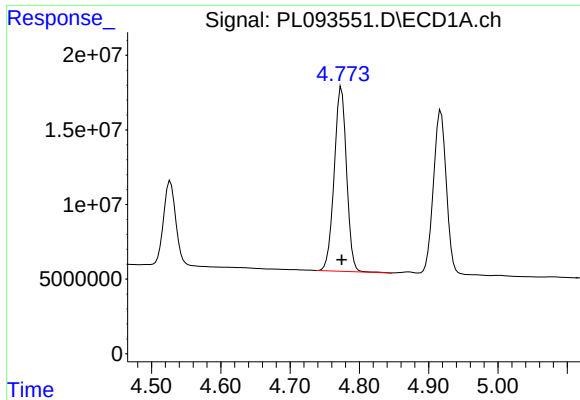
#6 beta-BHC

R.T.: 4.527 min
Delta R.T.: 0.000 min
Response: 69095480
Conc: 47.93 ng/ml



#6 beta-BHC

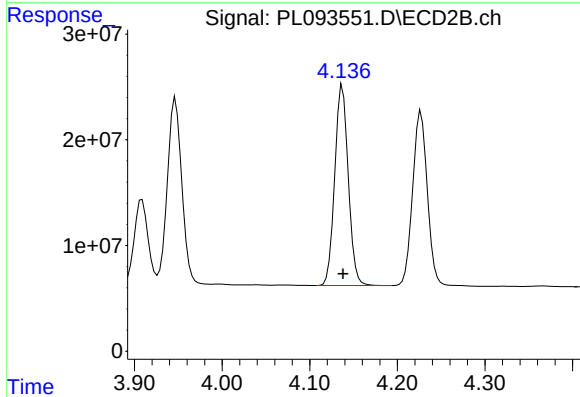
R.T.: 3.909 min
Delta R.T.: -0.001 min
Response: 88309096
Conc: 49.13 ng/ml



#7 delta-BHC

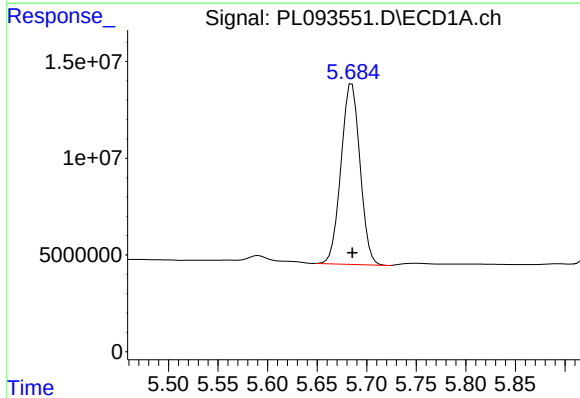
R.T.: 4.774 min
Delta R.T.: 0.000 min
Response: 153190715
Conc: 50.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD



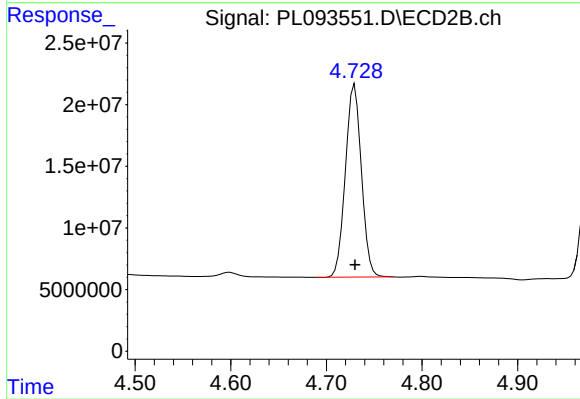
#7 delta-BHC

R.T.: 4.137 min
Delta R.T.: 0.000 min
Response: 203991827
Conc: 48.24 ng/ml



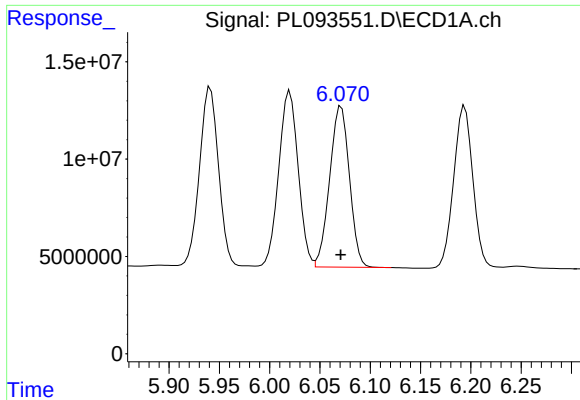
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 124483071
Conc: 47.25 ng/ml



#8 Heptachlor epoxide

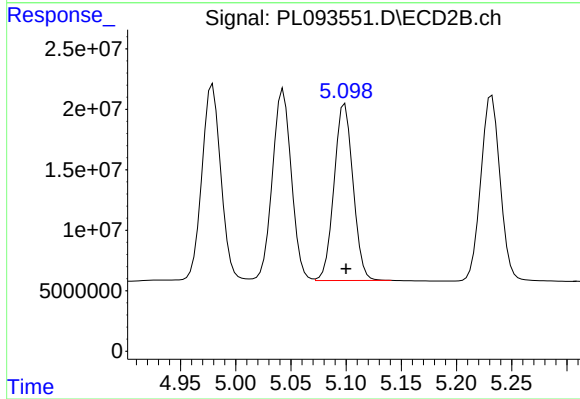
R.T.: 4.729 min
Delta R.T.: 0.000 min
Response: 182727419
Conc: 47.73 ng/ml



#9 Endosulfan I

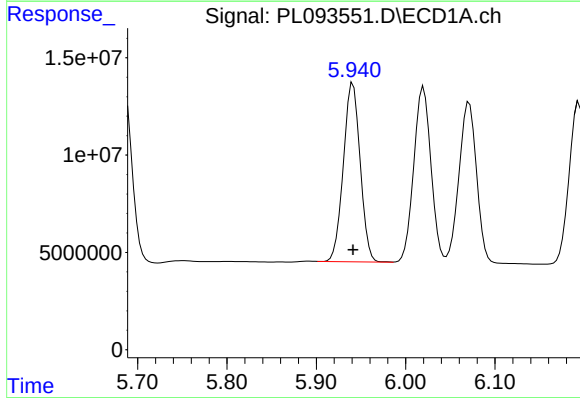
R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 112918743
Conc: 47.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD



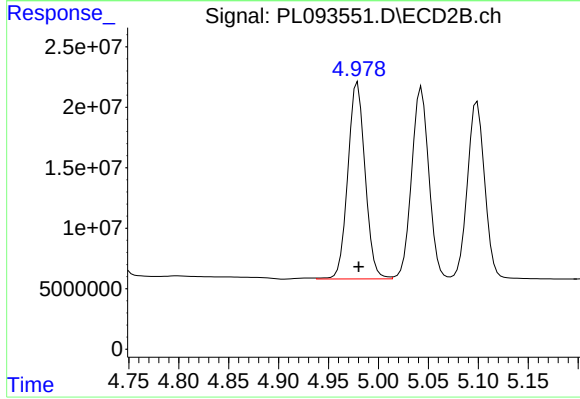
#9 Endosulfan I

R.T.: 5.099 min
Delta R.T.: -0.001 min
Response: 174517895
Conc: 49.95 ng/ml



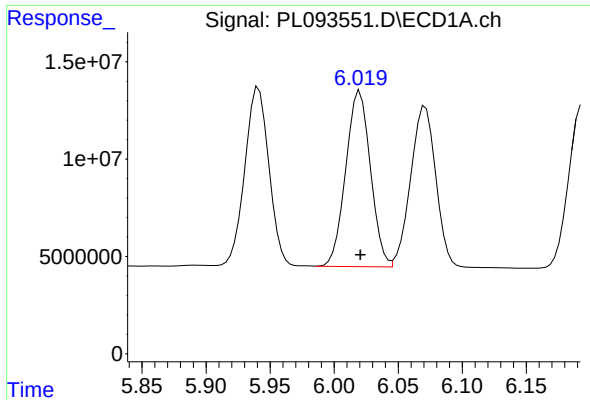
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 120225480
Conc: 47.84 ng/ml



#10 gamma-Chlordane

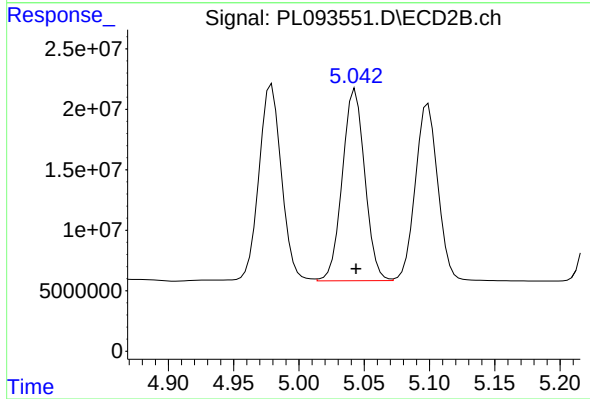
R.T.: 4.979 min
Delta R.T.: -0.001 min
Response: 195463563
Conc: 50.73 ng/ml



#11 alpha-Chlordane

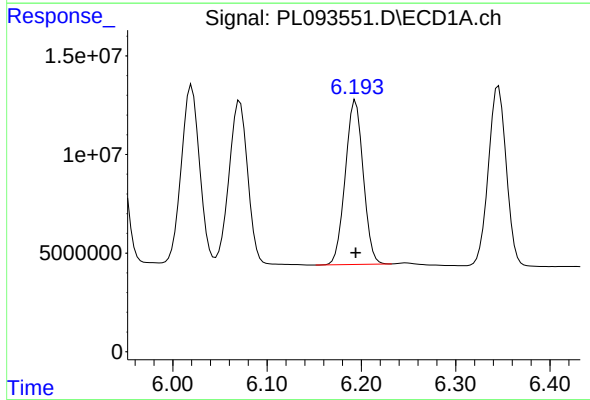
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 121124050
Conc: 48.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD



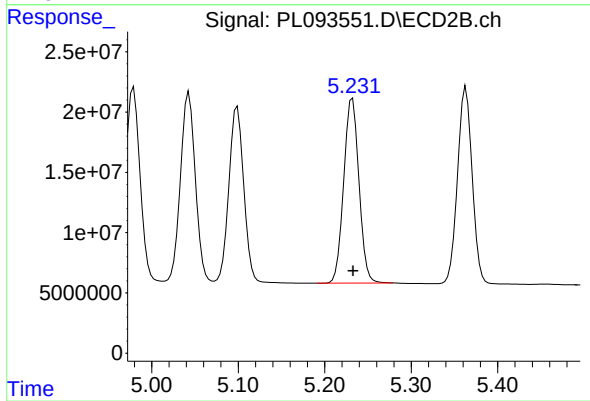
#11 alpha-Chlordane

R.T.: 5.043 min
Delta R.T.: 0.000 min
Response: 189927430
Conc: 49.88 ng/ml



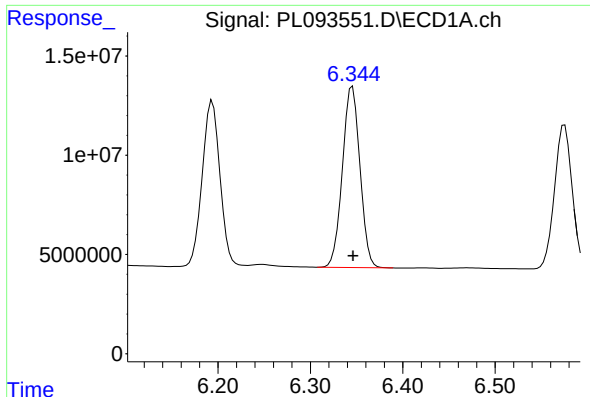
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 110333855
Conc: 49.17 ng/ml



#12 4,4'-DDE

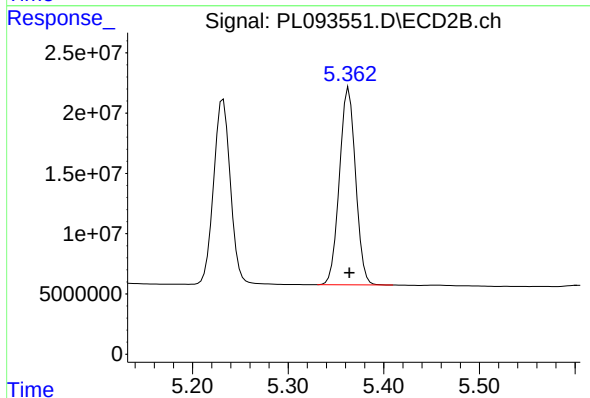
R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 186326474
Conc: 50.67 ng/ml



#13 Dieldrin

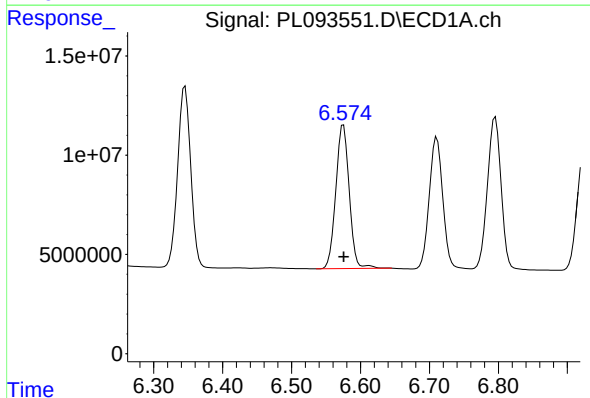
R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 120381521
Conc: 48.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD



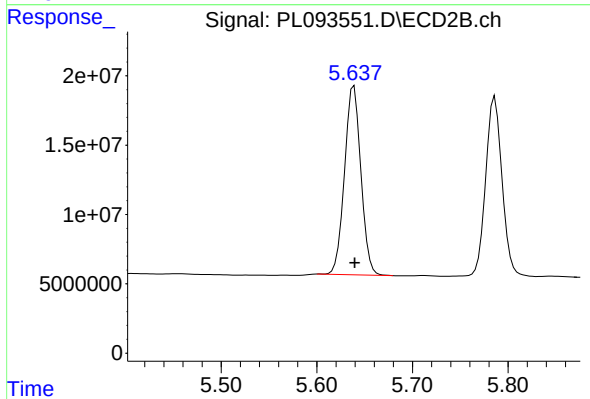
#13 Dieldrin

R.T.: 5.363 min
Delta R.T.: 0.000 min
Response: 192117729
Conc: 49.85 ng/ml



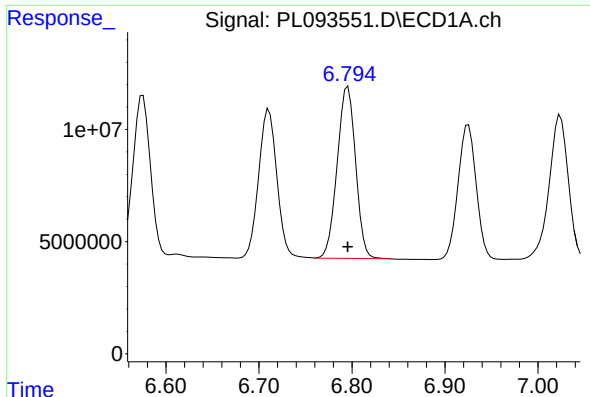
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 97817007
Conc: 45.44 ng/ml



#14 Endrin

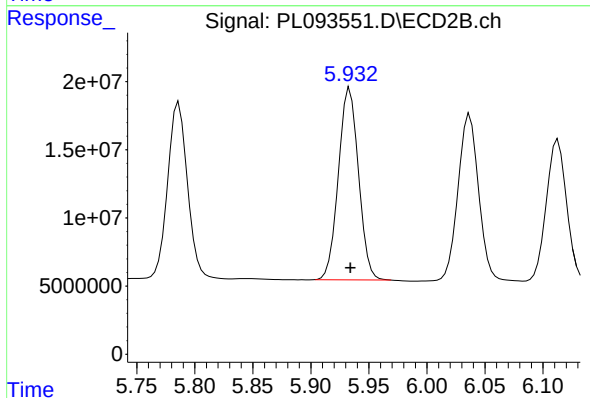
R.T.: 5.639 min
Delta R.T.: 0.000 min
Response: 162162082
Conc: 49.02 ng/ml



#15 Endosulfan II

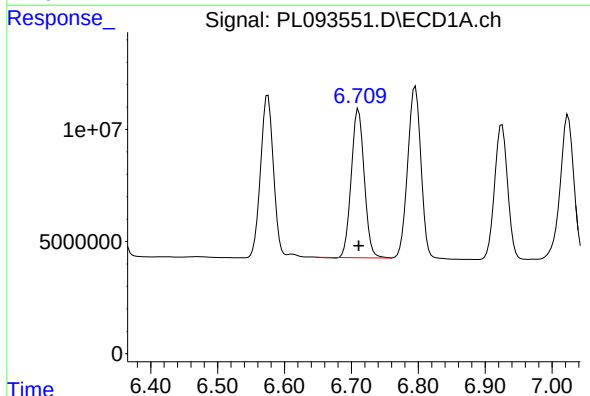
R.T.: 6.796 min
Delta R.T.: 0.000 min
Response: 105471901
Conc: 46.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD



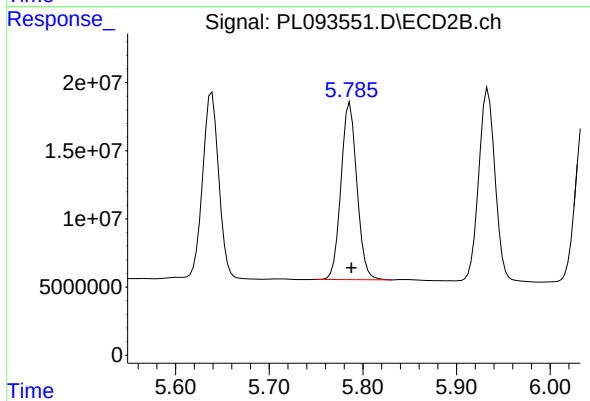
#15 Endosulfan II

R.T.: 5.934 min
Delta R.T.: 0.000 min
Response: 170024052
Conc: 52.33 ng/ml



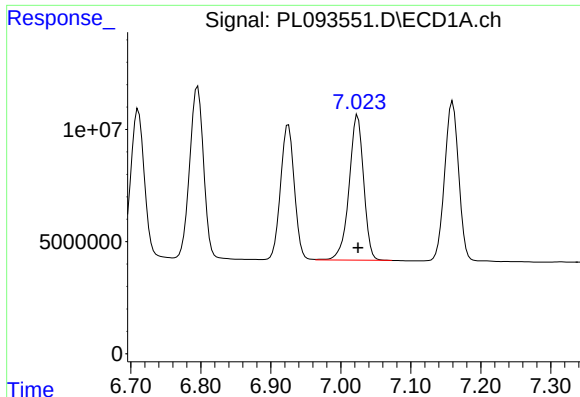
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.000 min
Response: 90032578
Conc: 51.27 ng/ml



#16 4,4'-DDD

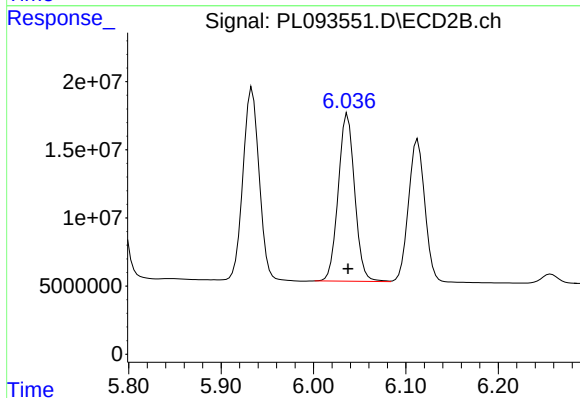
R.T.: 5.786 min
Delta R.T.: -0.002 min
Response: 153289338
Conc: 54.16 ng/ml



#17 4,4'-DDT

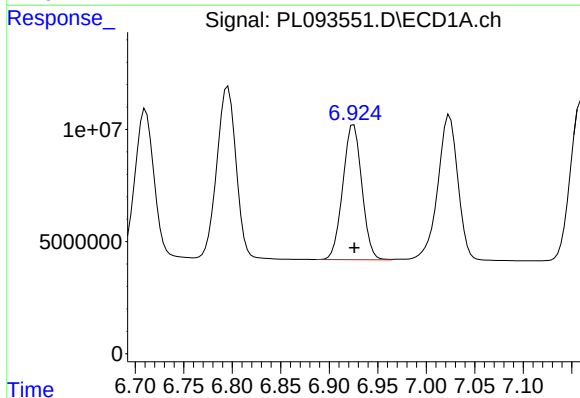
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 93705248
Conc: 50.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD



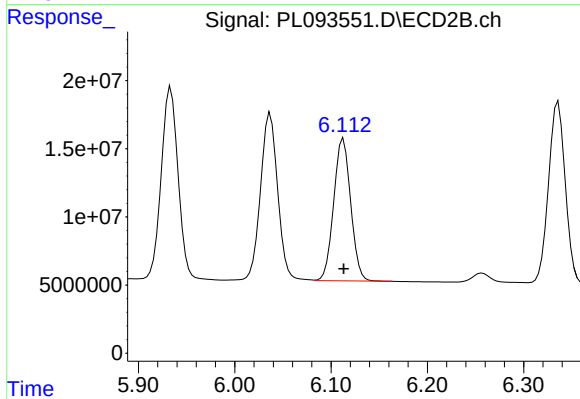
#17 4,4'-DDT

R.T.: 6.037 min
Delta R.T.: 0.000 min
Response: 152147773
Conc: 50.38 ng/ml



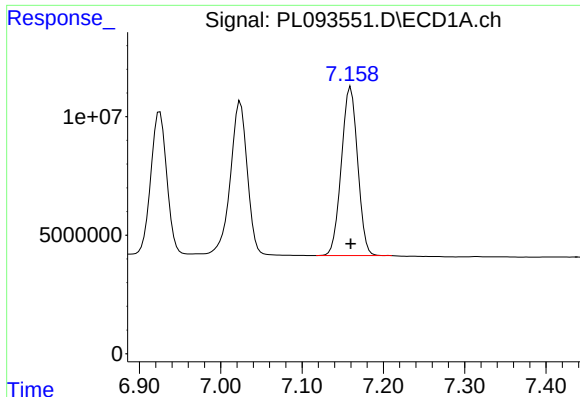
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.000 min
Response: 82126950
Conc: 46.28 ng/ml



#18 Endrin aldehyde

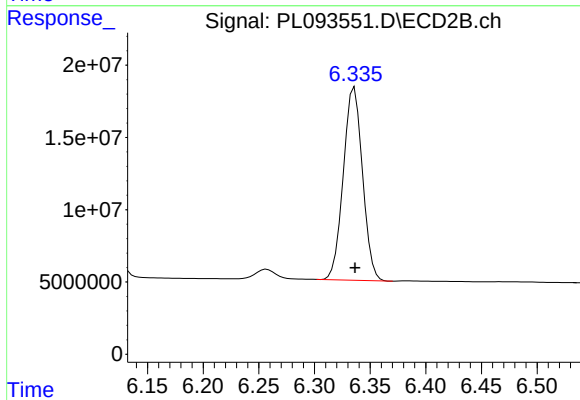
R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 128257108
Conc: 47.62 ng/ml



#19 Endosulfan Sulfate

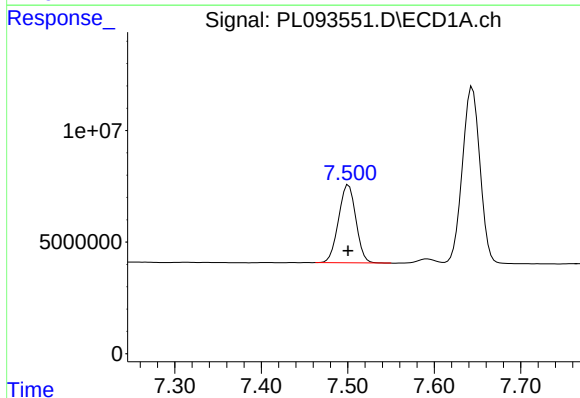
R.T.: 7.160 min
Delta R.T.: 0.000 min
Response: 98633362
Conc: 48.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD



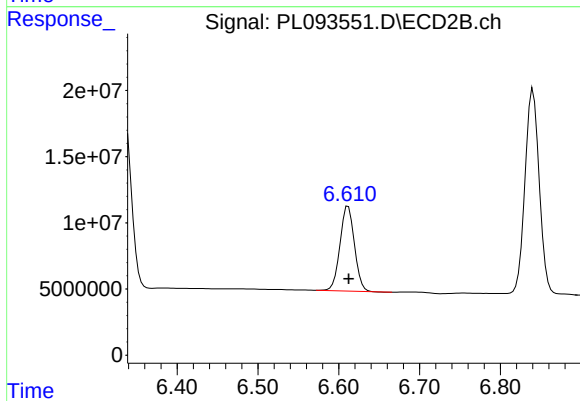
#19 Endosulfan Sulfate

R.T.: 6.336 min
Delta R.T.: 0.000 min
Response: 160244065
Conc: 50.80 ng/ml



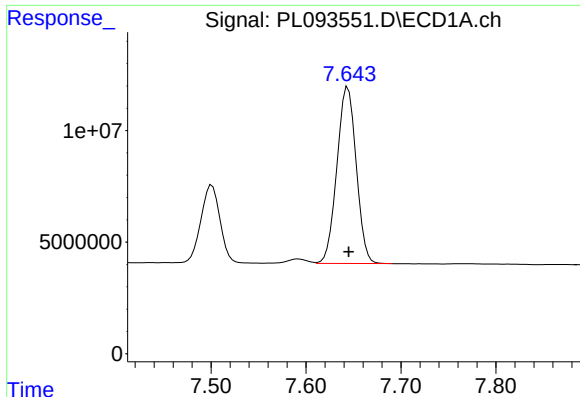
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 48422943
Conc: 48.44 ng/ml



#20 Methoxychlor

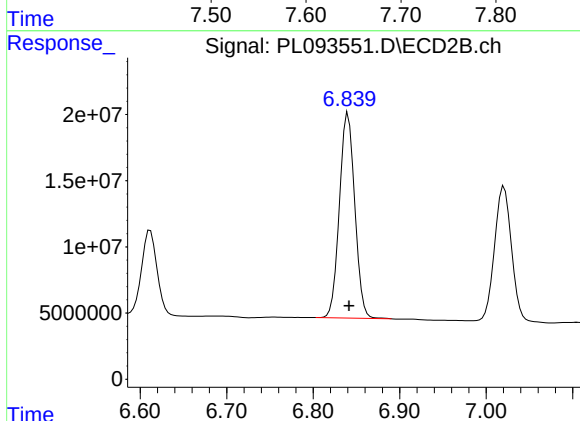
R.T.: 6.612 min
Delta R.T.: 0.000 min
Response: 79591142
Conc: 49.45 ng/ml



#21 Endrin ketone

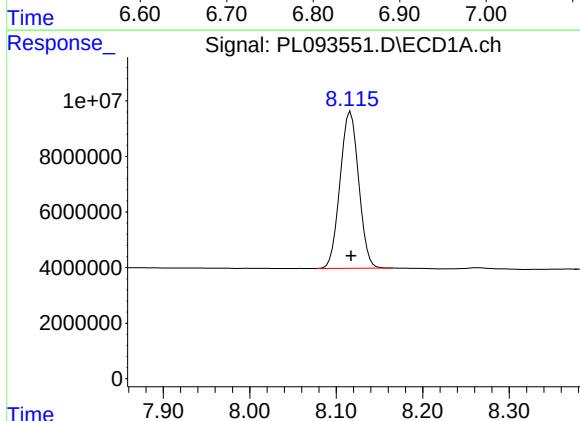
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 112033005
Conc: 49.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD



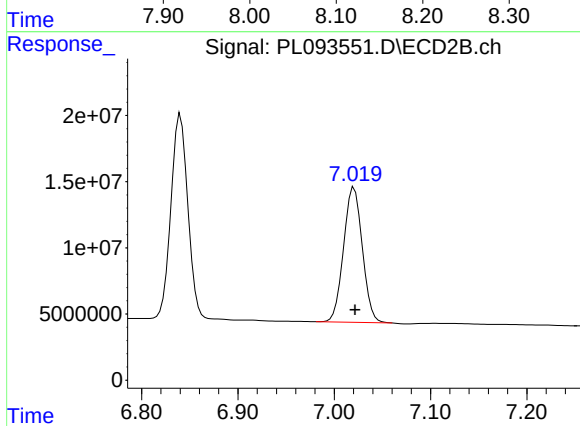
#21 Endrin ketone

R.T.: 6.840 min
Delta R.T.: -0.001 min
Response: 190074457
Conc: 52.21 ng/ml



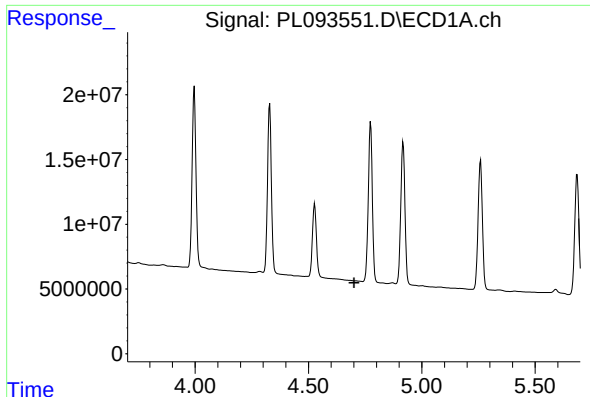
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 83958922
Conc: 44.93 ng/ml



#22 Mirex

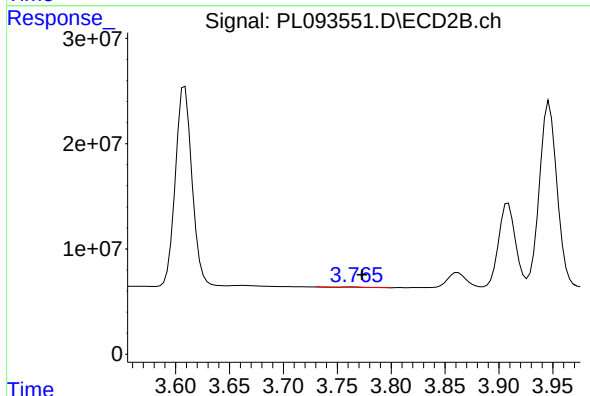
R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 137585139
Conc: 45.01 ng/ml



#23 Chlordane-1

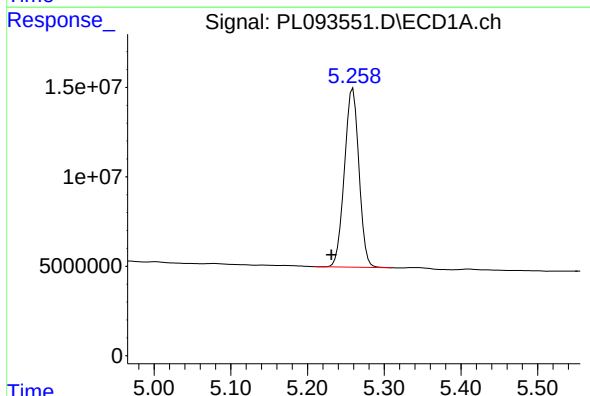
R.T.: 0.000 min
Exp R.T.: 4.702 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD



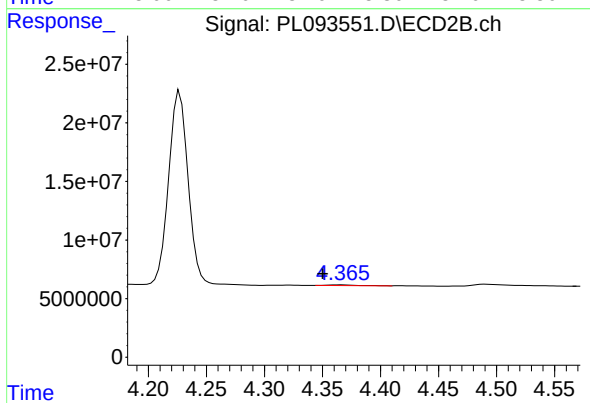
#23 Chlordane-1

R.T.: 3.765 min
Delta R.T.: -0.008 min
Response: 389002
Conc: 3.22 ng/ml



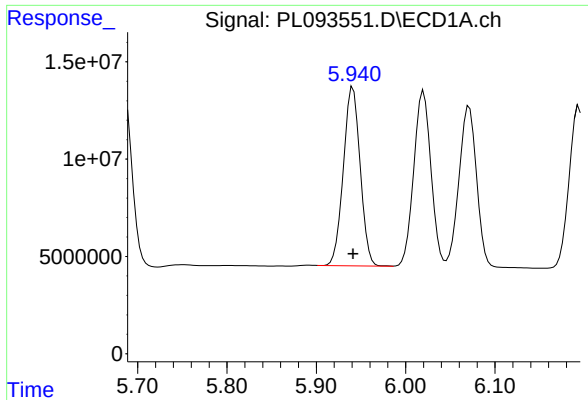
#24 Chlordane-2

R.T.: 5.259 min
Delta R.T.: 0.028 min
Response: 132103104
Conc: 1201.77 ng/ml



#24 Chlordane-2

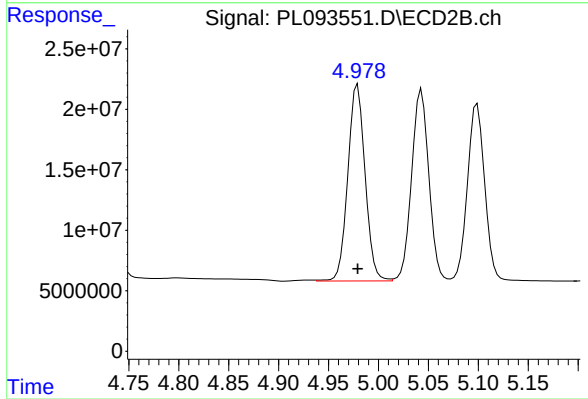
R.T.: 4.366 min
Delta R.T.: 0.016 min
Response: 855775
Conc: 6.17 ng/ml



#25 Chlordane-3

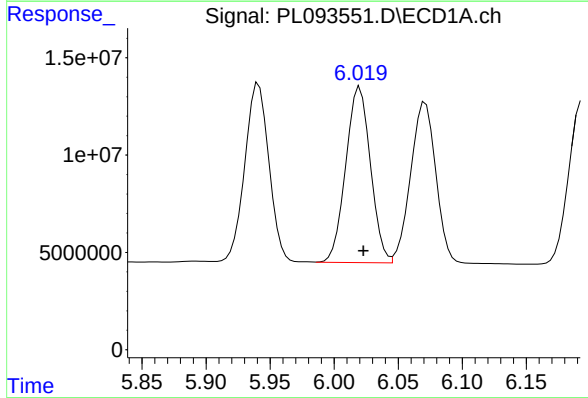
R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 120225480
Conc: 316.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD



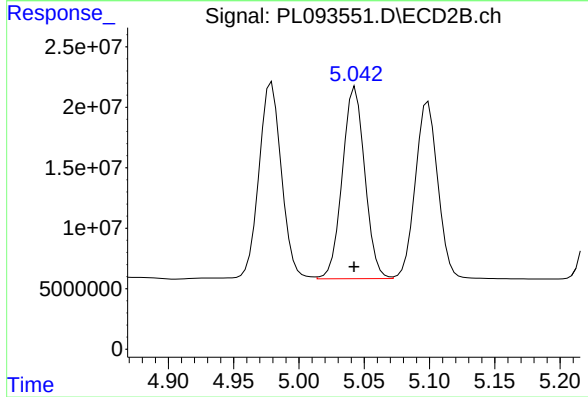
#25 Chlordane-3

R.T.: 4.979 min
Delta R.T.: 0.000 min
Response: 195463563
Conc: 460.61 ng/ml



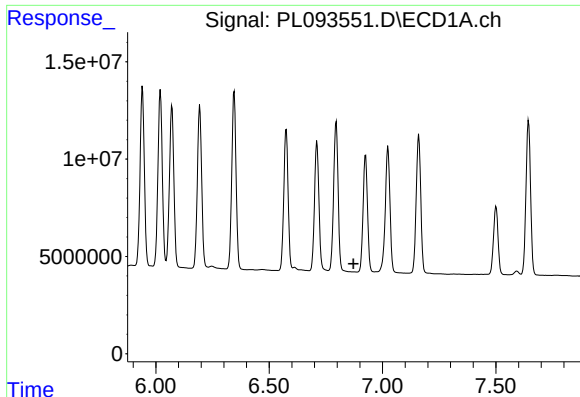
#26 Chlordane-4

R.T.: 6.020 min
Delta R.T.: -0.003 min
Response: 121124050
Conc: 266.59 ng/ml



#26 Chlordane-4

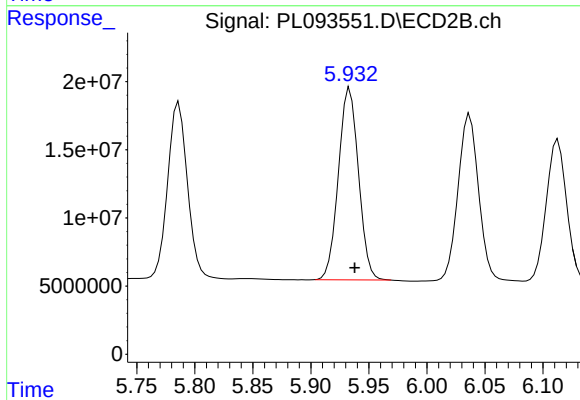
R.T.: 5.043 min
Delta R.T.: 0.000 min
Response: 189927430
Conc: 461.73 ng/ml



#27 Chlordane-5

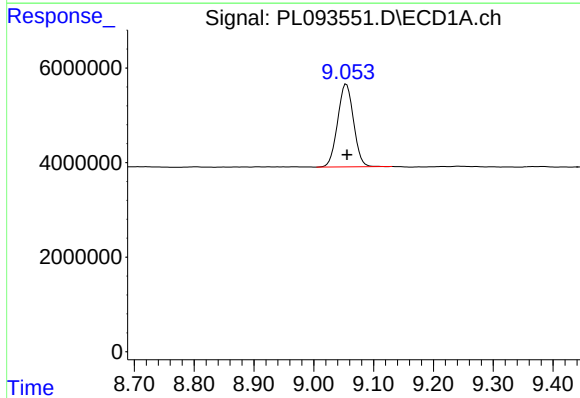
R.T.: 0.000 min
Exp R.T.: 6.872 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20241219MSD



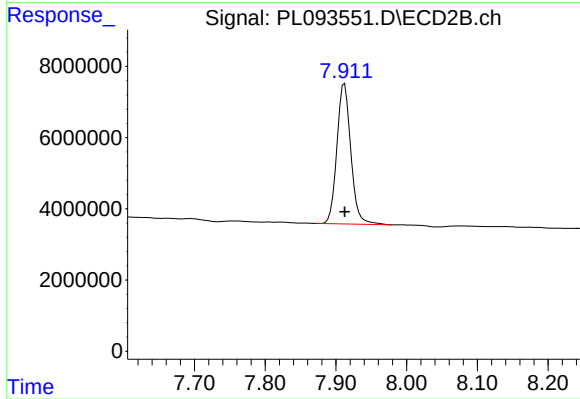
#27 Chlordane-5

R.T.: 5.934 min
Delta R.T.: -0.004 min
Response: 170024052
Conc: 1277.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: -0.001 min
Response: 32488376
Conc: 17.57 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 53908974
Conc: 18.05 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
 Data File : PL093552.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Dec 2024 17:54
 Operator : AR\AJ
 Sample : P5380-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TAPIAL3-IDW-SOIL-122024-T1

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 28 01:02:14 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 15:29:41 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.540	2.776	41489202	47509337	16.759	16.320
28)	SA Decachlor...	9.055	7.913	29169938	48183628	15.776	16.137
Target Compounds							
2)	A alpha-BHC	0.000	3.278	0	694194	N.D.	0.160 #
4)	MA Heptachlor	0.000	3.937	0	365726	N.D.	0.088 #
5)	MB Aldrin	0.000	4.223	0	486844	N.D.	0.119 #
6)	B beta-BHC	0.000	3.908	0	533974	N.D.	0.297 #
7)	B delta-BHC	4.765	4.151	9986411	928250	3.261	0.220 #
9)	A Endosulfan I	0.000	5.120f	0	484025	N.D.	0.139 #
10)	B gamma-Chl...	0.000	4.987	0	3111283	N.D.	0.807 #
11)	B alpha-Chl...	0.000	5.048	0	1462171	N.D.	0.384 #
12)	B 4,4'-DDE	0.000	5.230	0	1205310	N.D.	0.328 #
13)	MA Dieldrin	0.000	5.351	0	732986	N.D.	0.190 #
14)	MA Endrin	0.000	5.634	0	475739	N.D.	0.144 #
15)	B Endosulfa...	0.000	5.933	0	703074	N.D.	0.216 #
16)	A 4,4'-DDD	0.000	5.788	0	133481	N.D.	0.047 #
17)	MA 4,4'-DDT	0.000	6.028	0	1300461	N.D.	0.431 #
18)	B Endrin al...	0.000	6.139f	0	517553	N.D.	0.192 #
23)	Chlordane-1	0.000	3.763	0	95299	N.D.	0.789 #
24)	Chlordane-2	0.000	4.371f	0	26700	N.D.	0.192 #
25)	Chlordane-3	0.000	4.987	0	3111283	N.D.	7.332 #
26)	Chlordane-4	0.000	5.048	0	1462171	N.D.	3.555 #
27)	Chlordane-5	0.000	5.933	0	703074	N.D.	5.281 #

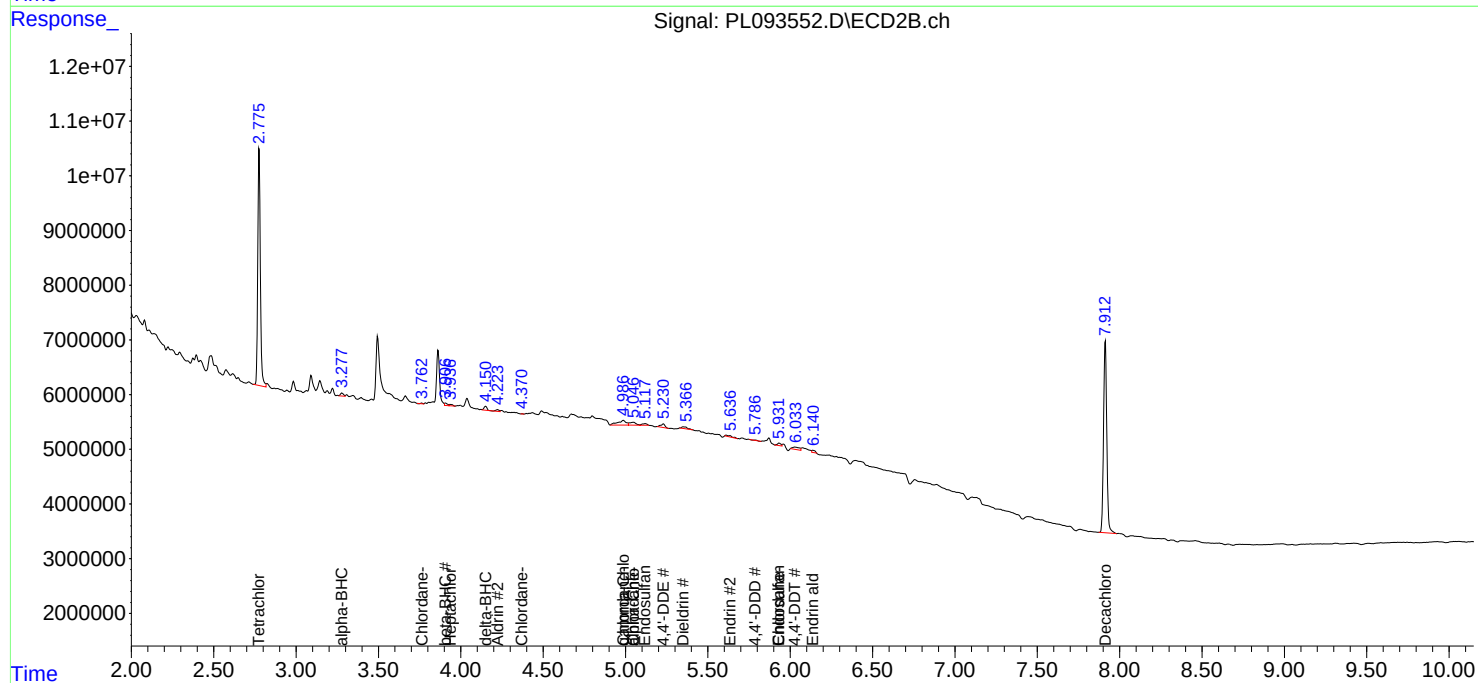
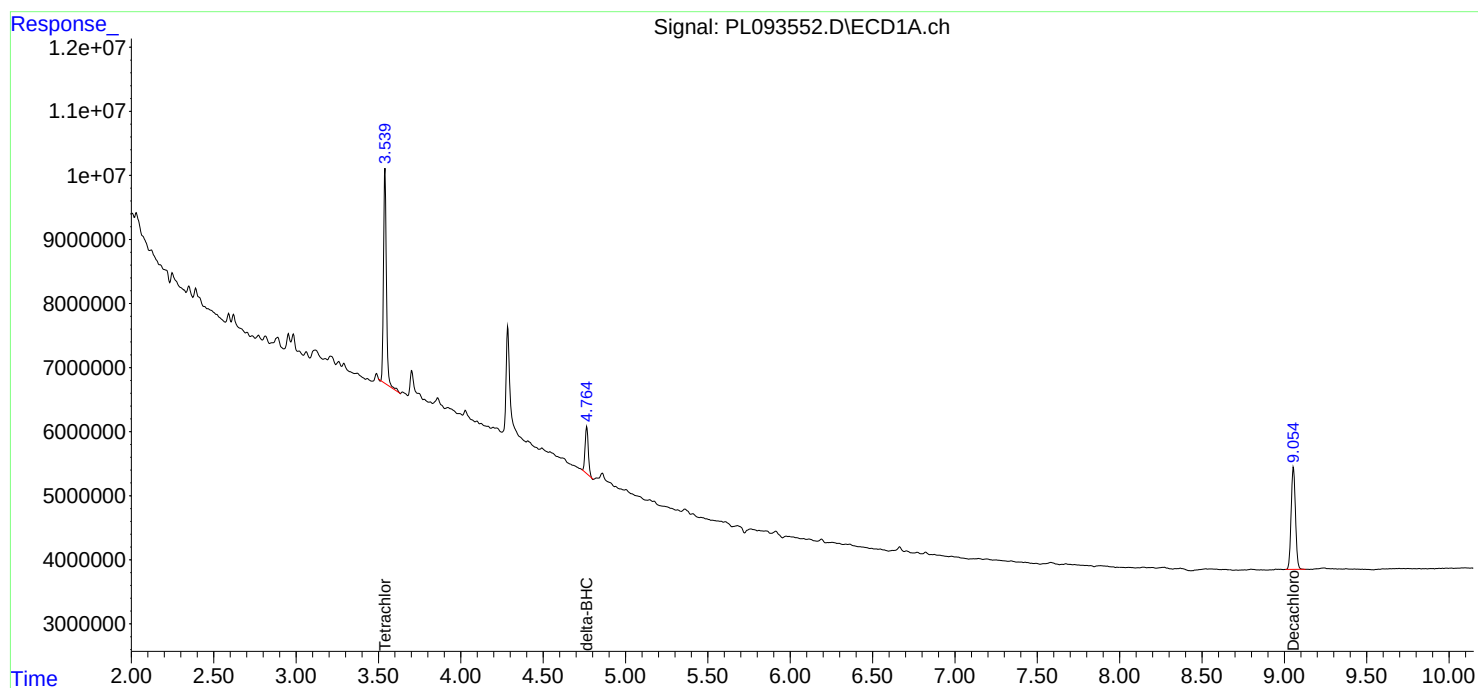
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

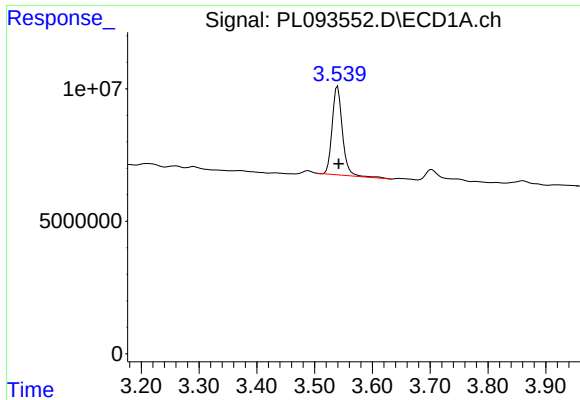
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
Data File : PL093552.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Dec 2024 17:54
Operator : AR\AJ
Sample : P5380-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 28 01:02:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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

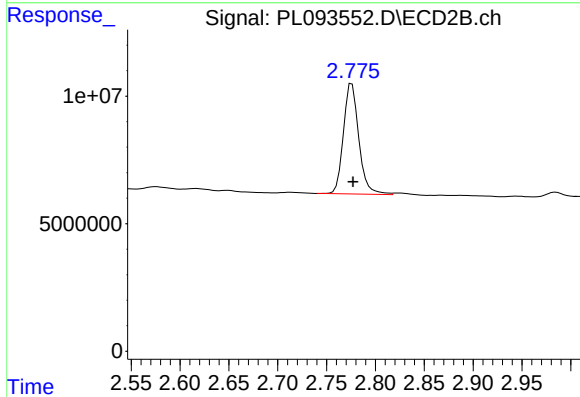




#1 Tetrachloro-m-xylene

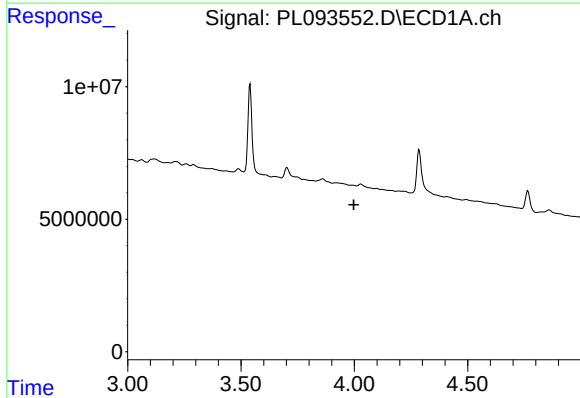
R.T.: 3.540 min
Delta R.T.: -0.002 min
Response: 41489202
Conc: 16.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



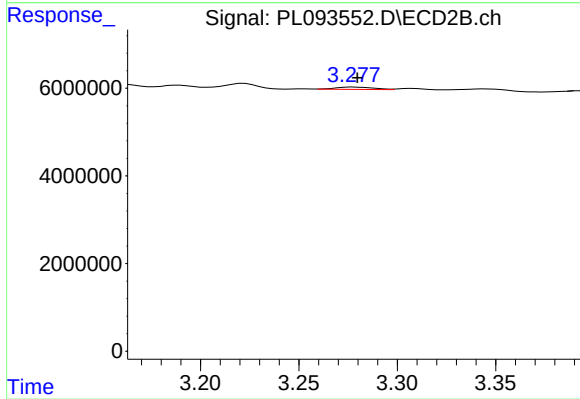
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.001 min
Response: 47509337
Conc: 16.32 ng/ml



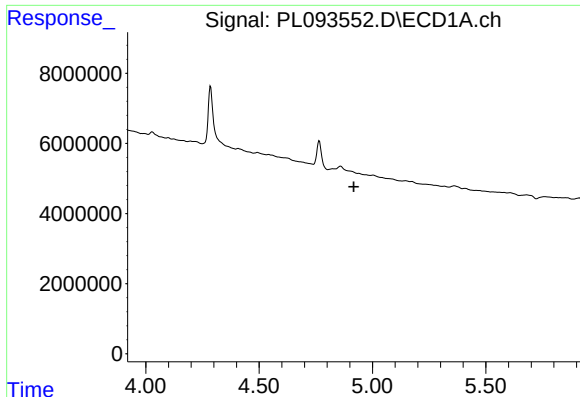
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.997 min
Response: 0
Conc: N.D.



#2 alpha-BHC

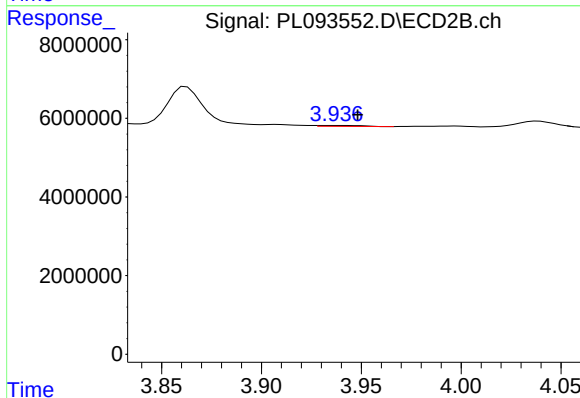
R.T.: 3.278 min
Delta R.T.: -0.002 min
Response: 694194
Conc: 0.16 ng/ml



#4 Heptachlor

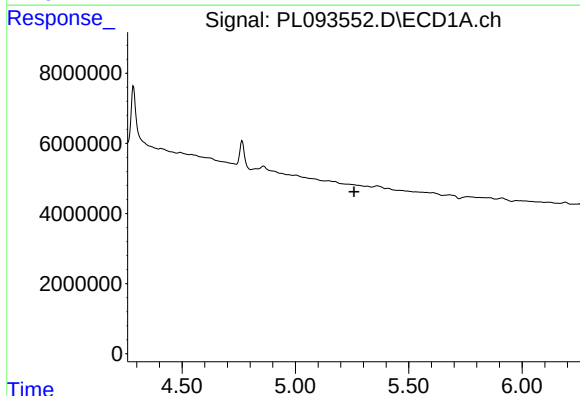
R.T.: 0.000 min
Exp R.T.: 4.918 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



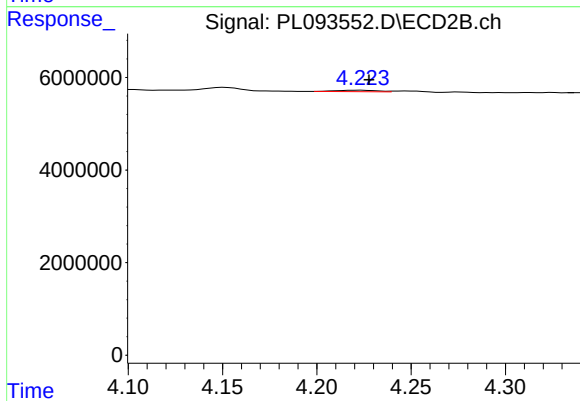
#4 Heptachlor

R.T.: 3.937 min
Delta R.T.: -0.011 min
Response: 365726
Conc: 0.09 ng/ml



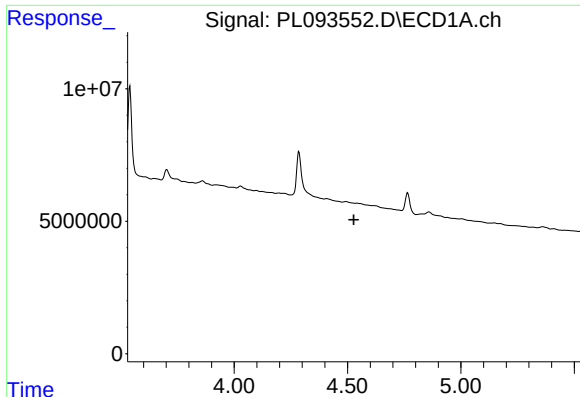
#5 Aldrin

R.T.: 0.000 min
Exp R.T.: 5.259 min
Response: 0
Conc: N.D.



#5 Aldrin

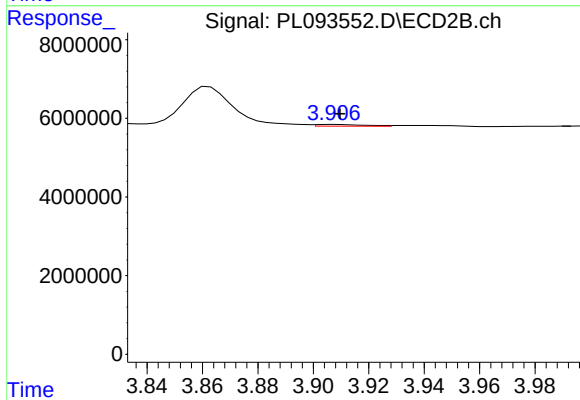
R.T.: 4.223 min
Delta R.T.: -0.005 min
Response: 486844
Conc: 0.12 ng/ml



#6 beta-BHC

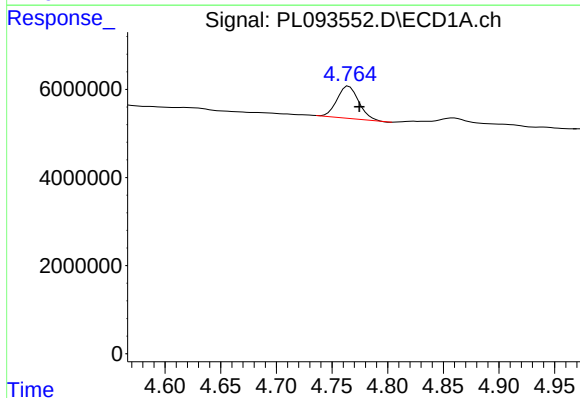
R.T.: 0.000 min
Exp R.T.: 4.527 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



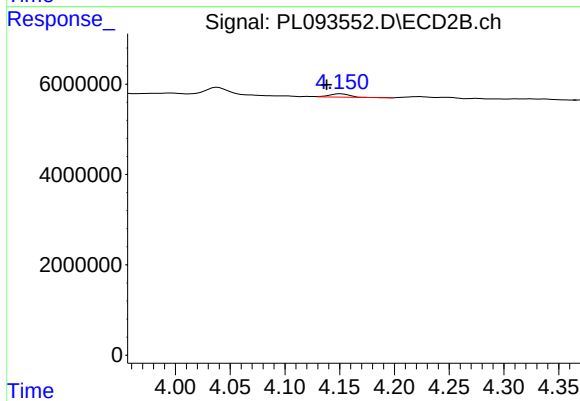
#6 beta-BHC

R.T.: 3.908 min
Delta R.T.: -0.002 min
Response: 533974
Conc: 0.30 ng/ml



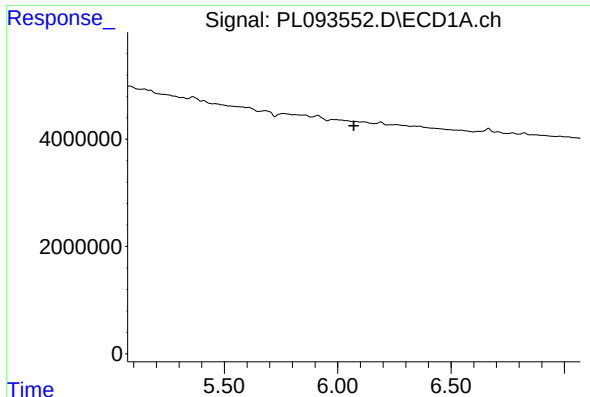
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: -0.010 min
Response: 9986411
Conc: 3.26 ng/ml



#7 delta-BHC

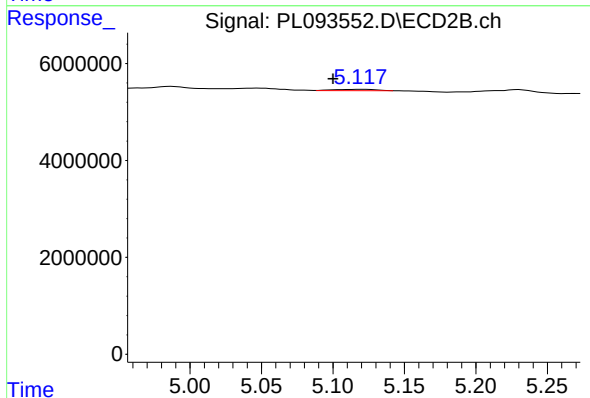
R.T.: 4.151 min
Delta R.T.: 0.013 min
Response: 928250
Conc: 0.22 ng/ml



#9 Endosulfan I

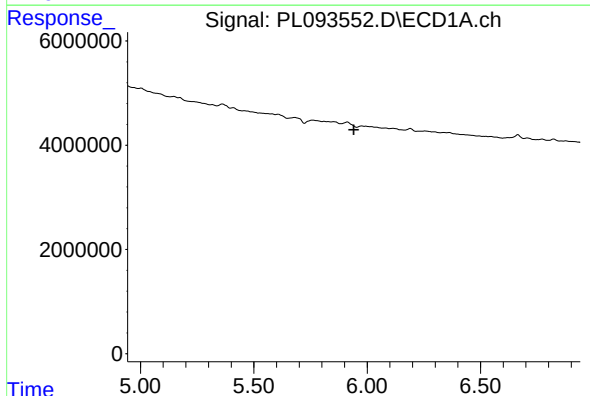
R.T.: 0.000 min
Exp R.T.: 6.071 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



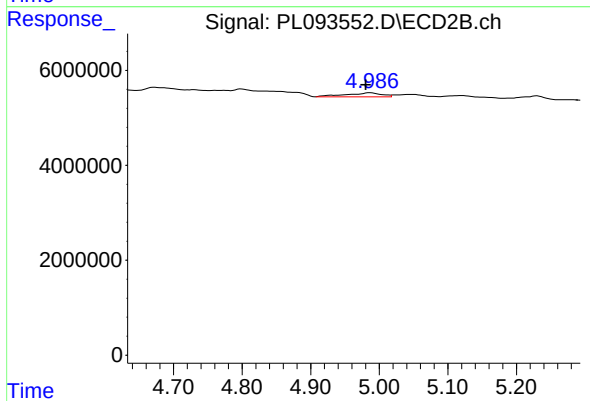
#9 Endosulfan I

R.T.: 5.120 min
Delta R.T.: 0.020 min
Response: 484025
Conc: 0.14 ng/ml



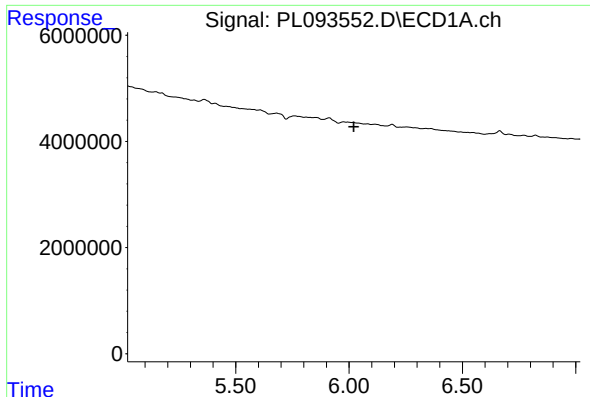
#10 gamma-Chlordane

R.T.: 0.000 min
Exp R.T.: 5.941 min
Response: 0
Conc: N.D.



#10 gamma-Chlordane

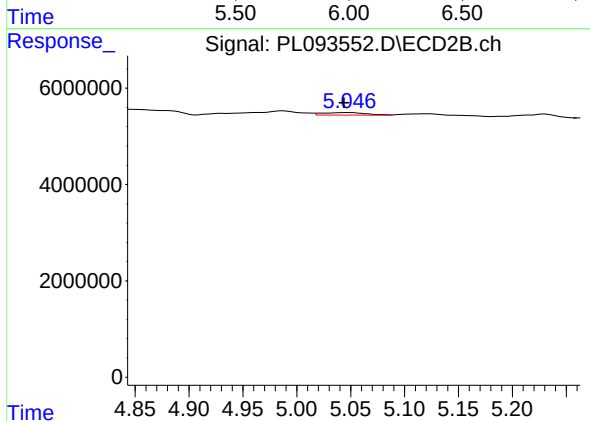
R.T.: 4.987 min
Delta R.T.: 0.006 min
Response: 3111283
Conc: 0.81 ng/ml



#11 alpha-Chlordane

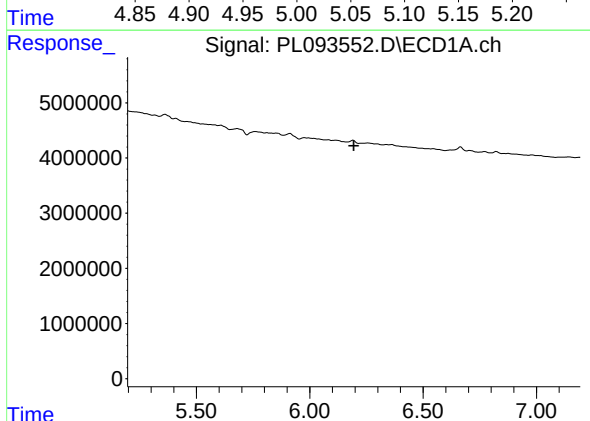
R.T.: 0.000 min
Exp R.T.: 6.020 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



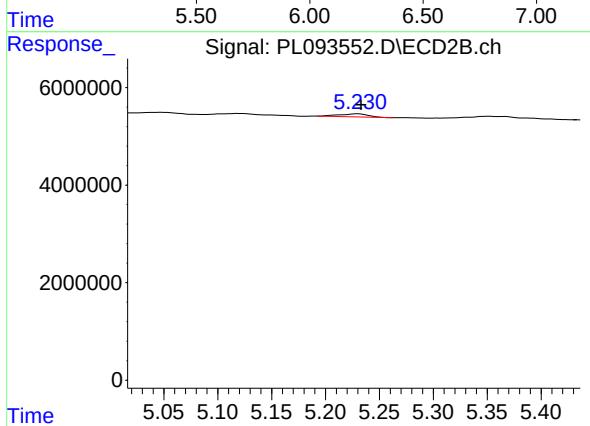
#11 alpha-Chlordane

R.T.: 5.048 min
Delta R.T.: 0.004 min
Response: 1462171
Conc: 0.38 ng/ml



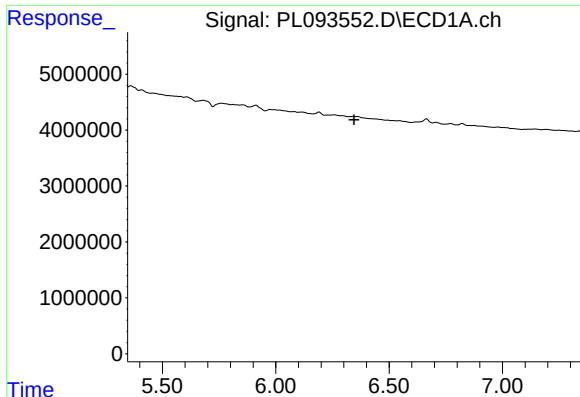
#12 4,4'-DDE

R.T.: 0.000 min
Exp R.T.: 6.194 min
Response: 0
Conc: N.D.



#12 4,4'-DDE

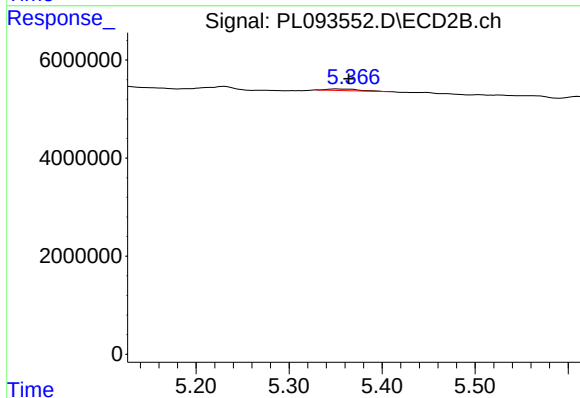
R.T.: 5.230 min
Delta R.T.: -0.003 min
Response: 1205310
Conc: 0.33 ng/ml



#13 Dieldrin

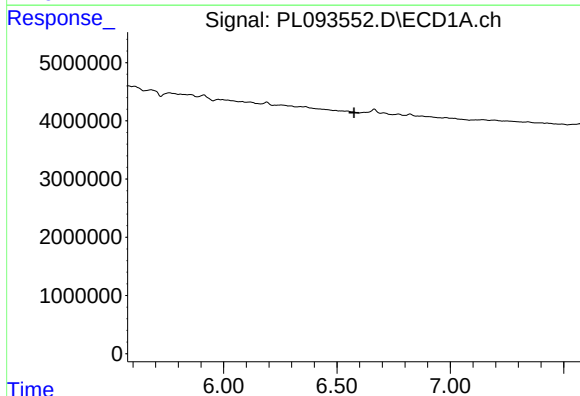
R.T.: 0.000 min
Exp R.T.: 6.346 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



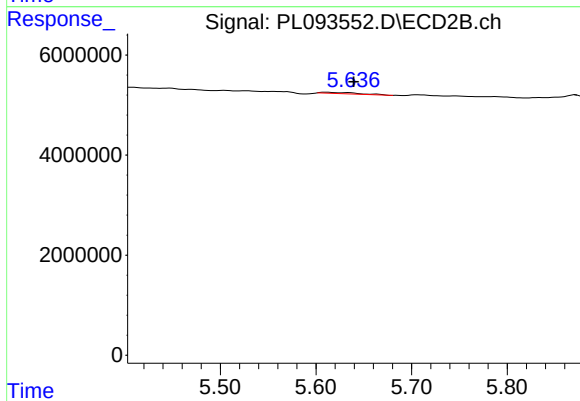
#13 Dieldrin

R.T.: 5.351 min
Delta R.T.: -0.013 min
Response: 732986
Conc: 0.19 ng/ml



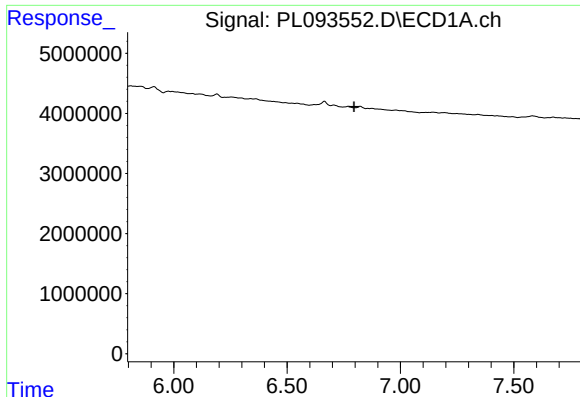
#14 Endrin

R.T.: 0.000 min
Exp R.T.: 6.575 min
Response: 0
Conc: N.D.



#14 Endrin

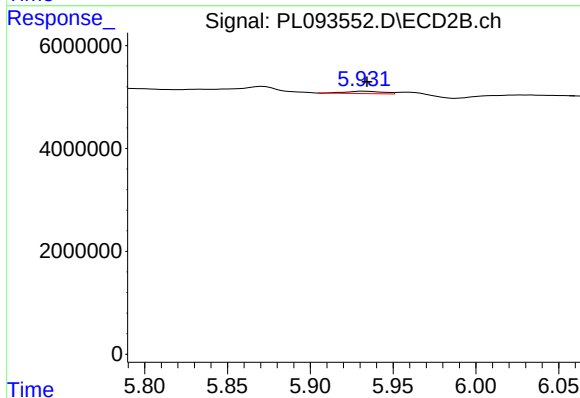
R.T.: 5.634 min
Delta R.T.: -0.006 min
Response: 475739
Conc: 0.14 ng/ml



#15 Endosulfan II

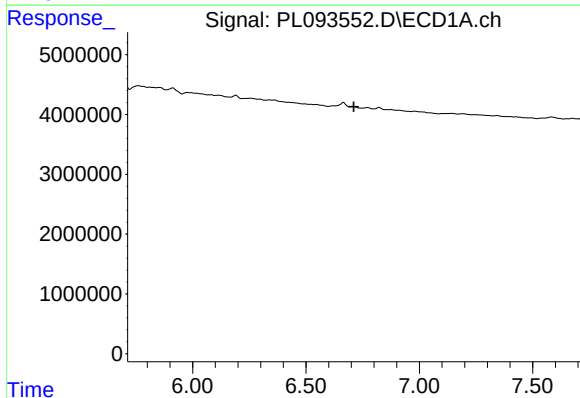
R.T.: 0.000 min
Exp R.T.: 6.795 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



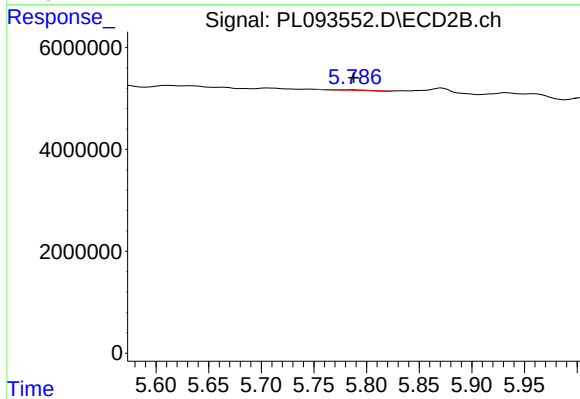
#15 Endosulfan II

R.T.: 5.933 min
Delta R.T.: -0.001 min
Response: 703074
Conc: 0.22 ng/ml



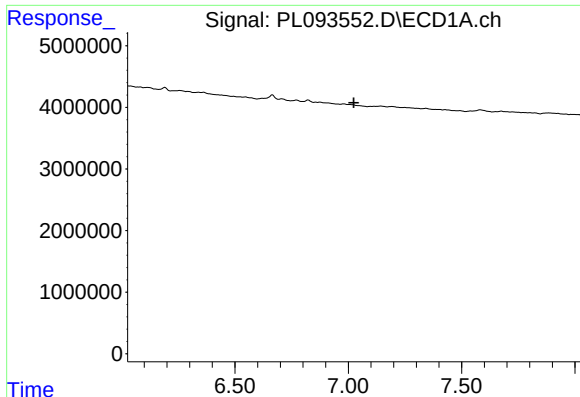
#16 4,4'-DDD

R.T.: 0.000 min
Exp R.T.: 6.711 min
Response: 0
Conc: N.D.



#16 4,4'-DDD

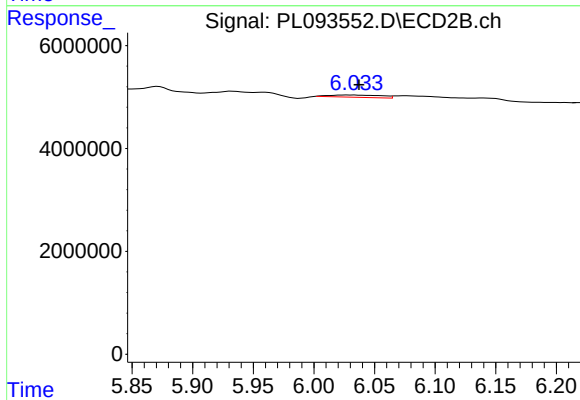
R.T.: 5.788 min
Delta R.T.: 0.000 min
Response: 133481
Conc: 0.05 ng/ml



#17 4,4'-DDT

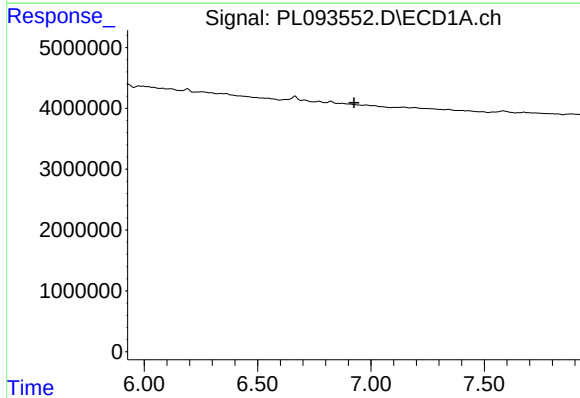
R.T.: 0.000 min
Exp R.T.: 7.025 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



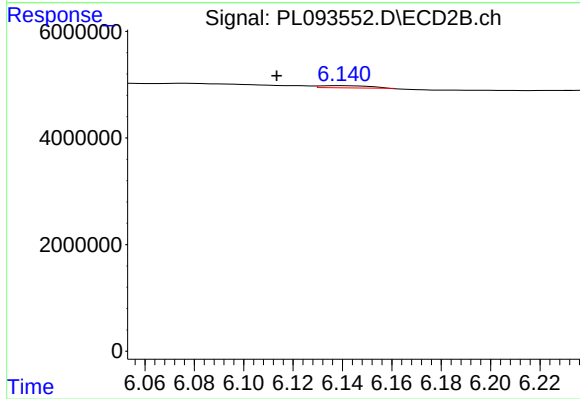
#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.010 min
Response: 1300461
Conc: 0.43 ng/ml



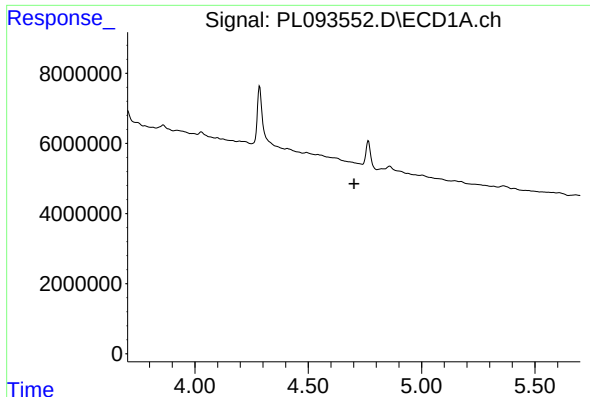
#18 Endrin aldehyde

R.T.: 0.000 min
Exp R.T.: 6.926 min
Response: 0
Conc: N.D.



#18 Endrin aldehyde

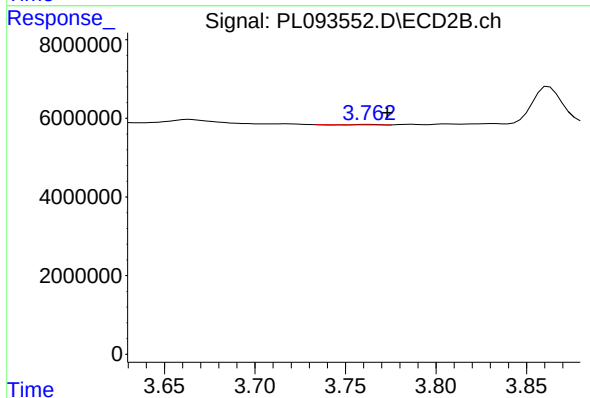
R.T.: 6.139 min
Delta R.T.: 0.025 min
Response: 517553
Conc: 0.19 ng/ml



#23 Chlordane-1

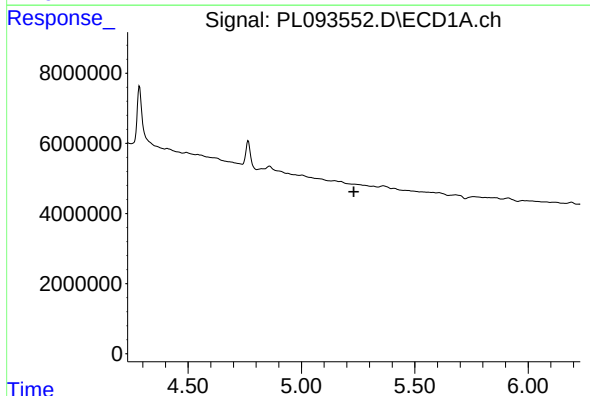
R.T.: 0.000 min
Exp R.T.: 4.702 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



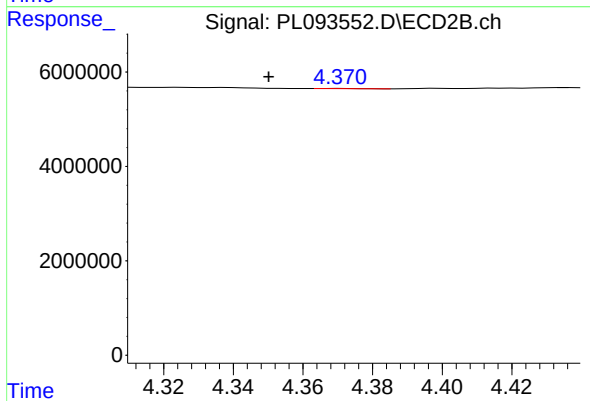
#23 Chlordane-1

R.T.: 3.763 min
Delta R.T.: -0.010 min
Response: 95299
Conc: 0.79 ng/ml



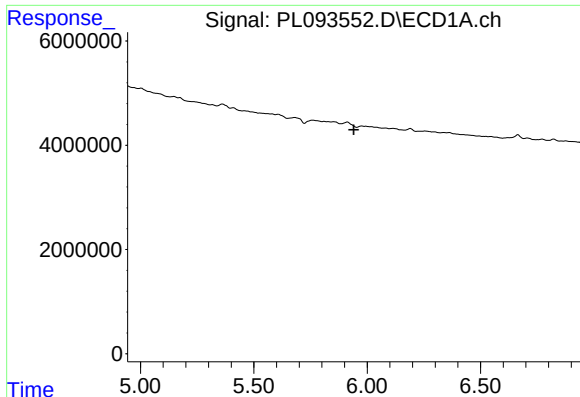
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T.: 5.231 min
Response: 0
Conc: N.D.



#24 Chlordane-2

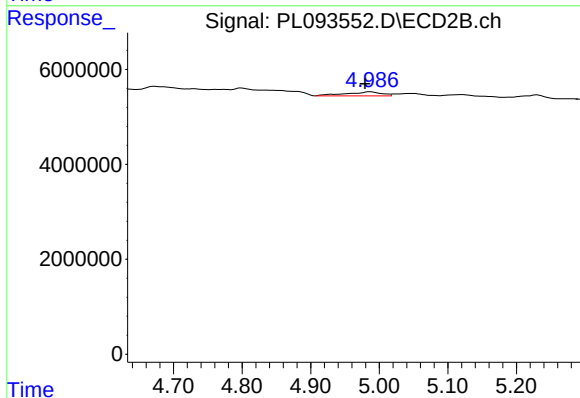
R.T.: 4.371 min
Delta R.T.: 0.021 min
Response: 26700
Conc: 0.19 ng/ml



#25 Chlordane-3

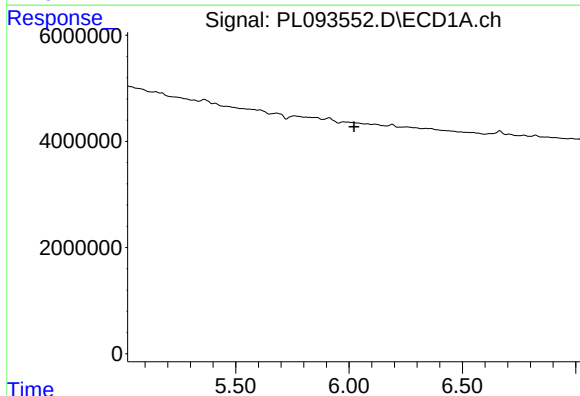
R.T.: 0.000 min
Exp R.T.: 5.941 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



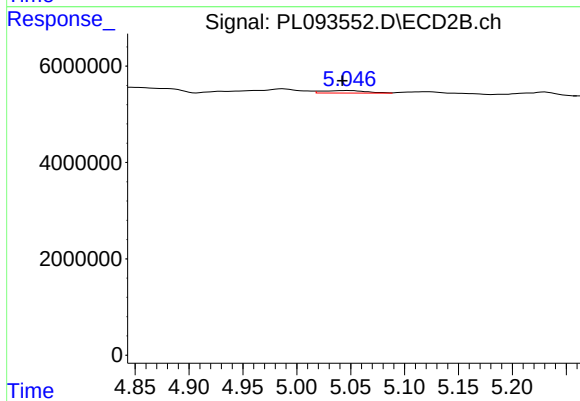
#25 Chlordane-3

R.T.: 4.987 min
Delta R.T.: 0.008 min
Response: 3111283
Conc: 7.33 ng/ml



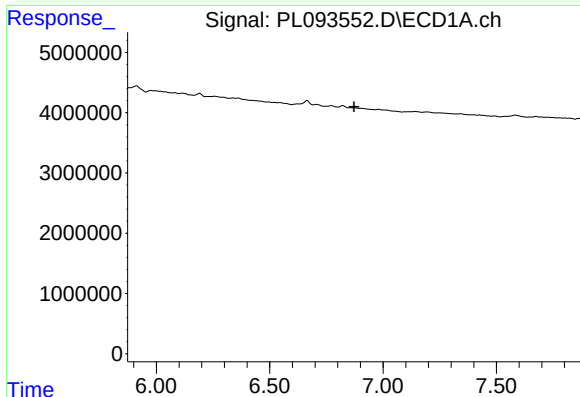
#26 Chlordane-4

R.T.: 0.000 min
Exp R.T.: 6.023 min
Response: 0
Conc: N.D.



#26 Chlordane-4

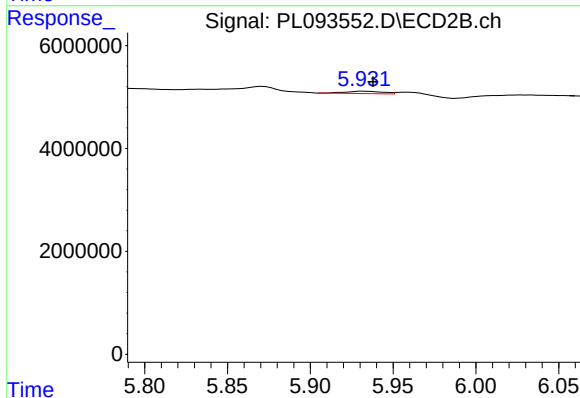
R.T.: 5.048 min
Delta R.T.: 0.005 min
Response: 1462171
Conc: 3.55 ng/ml



#27 Chlordane-5

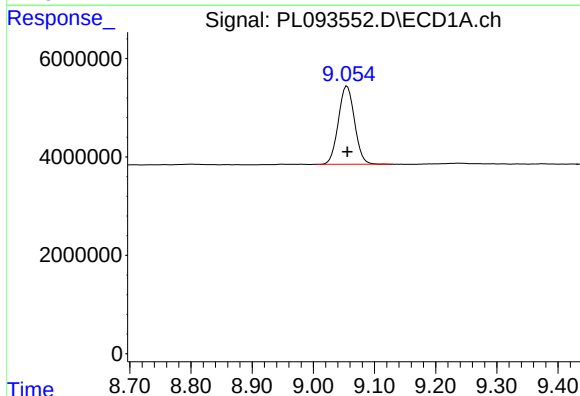
R.T.: 0.000 min
Exp R.T.: 6.872 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1



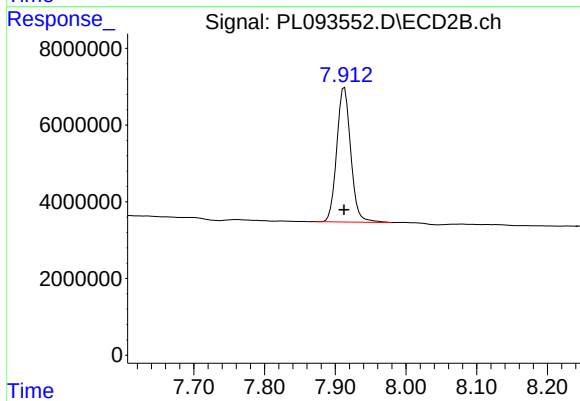
#27 Chlordane-5

R.T.: 5.933 min
Delta R.T.: -0.005 min
Response: 703074
Conc: 5.28 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.000 min
Response: 29169938
Conc: 15.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: 0.000 min
Response: 48183628
Conc: 16.14 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
 Data File : PL093554.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Dec 2024 18:21
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 28 01:03:40 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 24 15:29:41 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-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...	3.539	2.776	125.7E6	153.1E6	50.768	52.581
2)	SA Decachlor...	9.054	7.912	93458102	159.3E6	50.545	53.364
Target Compounds							
2)	A alpha-BHC	3.995	3.278	176.4E6	230.4E6	51.096	53.000
3)	MA gamma-BHC...	4.328	3.609	168.0E6	223.4E6	51.230	52.940
4)	MA Heptachlor	4.916	3.947	144.6E6	211.8E6	49.363	50.971
5)	MB Aldrin	5.258	4.227	145.4E6	215.8E6	49.982	52.604
6)	B beta-BHC	4.526	3.908	74187391	94548729	51.462	52.600
7)	B delta-BHC	4.773	4.137	161.0E6	227.6E6	52.570	53.821
8)	B Heptachlo...	5.684	4.729	132.2E6	197.4E6	50.195	51.548
9)	A Endosulfan I	6.070	5.099	117.4E6	170.8E6	49.775	48.896
10)	B gamma-Chl...	5.940	4.979	124.7E6	200.5E6	49.623	52.041
11)	B alpha-Chl...	6.019	5.043	125.3E6	197.5E6	50.065	51.870
12)	B 4,4'-DDE	6.192	5.231	114.6E6	195.1E6	51.078	53.055
13)	MA Dieldrin	6.345	5.363	124.2E6	200.5E6	49.759	52.026
14)	MA Endrin	6.575	5.639	101.5E6	158.6E6	47.144	47.952
15)	B Endosulfa...	6.795	5.933	108.7E6	173.1E6	47.797	53.268
16)	A 4,4'-DDD	6.711	5.786	97056352	161.4E6	55.273	57.013
17)	MA 4,4'-DDT	7.024	6.036	86948186	143.9E6	47.037	47.657
18)	B Endrin al...	6.925	6.112	90068168	141.9E6	50.756	52.693
19)	B Endosulfa...	7.159	6.335	101.6E6	165.8E6	50.305	52.557
20)	A Methoxychlor	7.500	6.612	47768081	77332187	47.783	48.043
21)	B Endrin ke...	7.644	6.840	117.8E6	196.0E6	52.498	53.834
22)	Mirex	8.117	7.021	92354299	152.0E6	49.421	49.738
23)	Chlordane-1	0.000	3.764	0	96564	N.D.	0.800 #
24)	Chlordane-2	5.258f	4.366	145.4E6	4078226	1322.643	29.380 #
25)	Chlordane-3	5.940	4.979	124.7E6	200.5E6	328.115	472.515 #
26)	Chlordane-4	6.019	5.043	125.3E6	197.5E6	275.803	480.112 #
27)	Chlordane-5	0.000	5.933	0	173.1E6	N.D.	1299.839 #

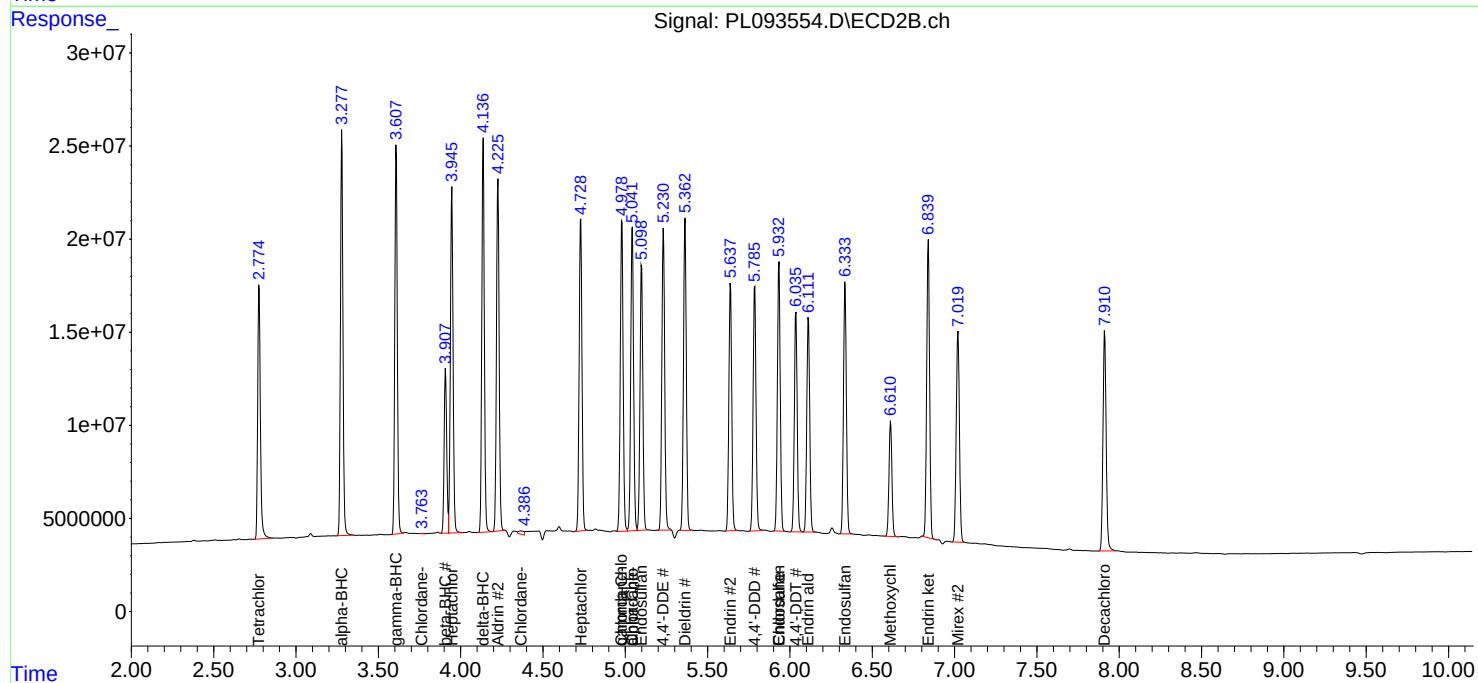
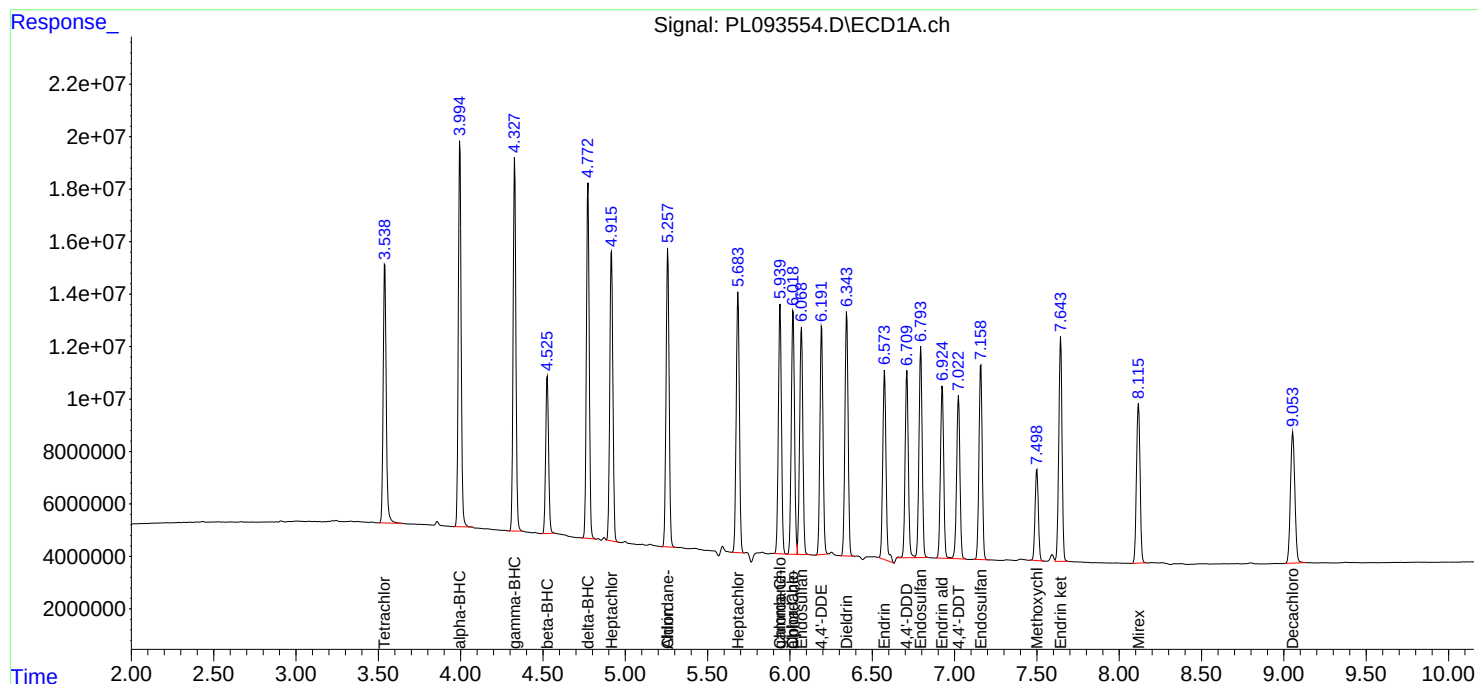
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

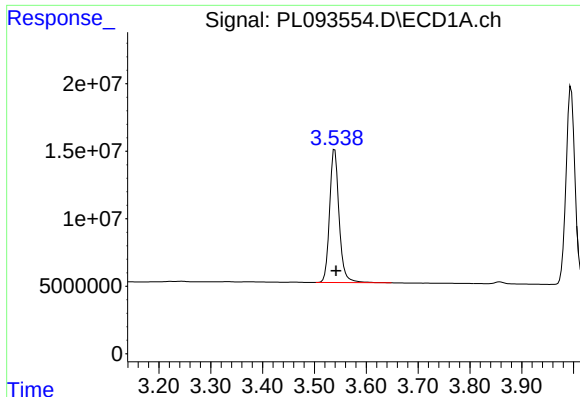
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122724\
Data File : PL093554.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Dec 2024 18:21
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 28 01:03:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL122324.M
Quant Title : GC Extractables
QLast Update : Tue Dec 24 15:29:41 2024
Response via : Initial Calibration
Integrator: ChemStation

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

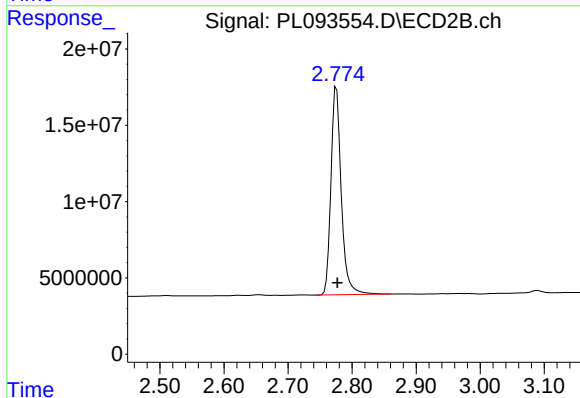




#1 Tetrachloro-m-xylene

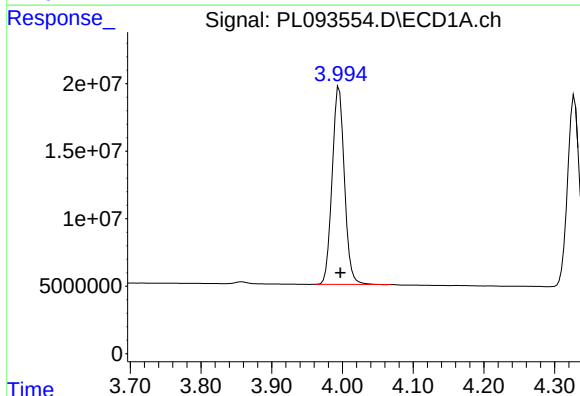
R.T.: 3.539 min
Delta R.T.: -0.003 min
Response: 125686158
Conc: 50.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



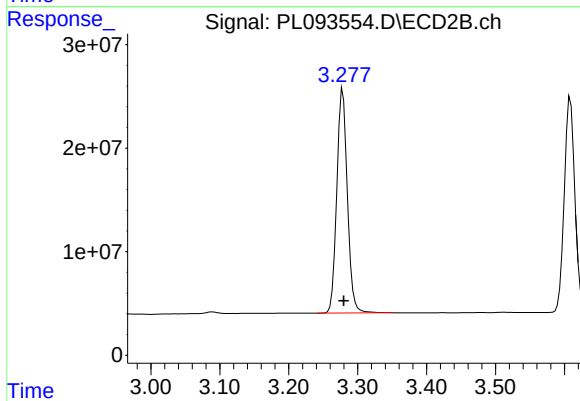
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.002 min
Response: 153072667
Conc: 52.58 ng/ml



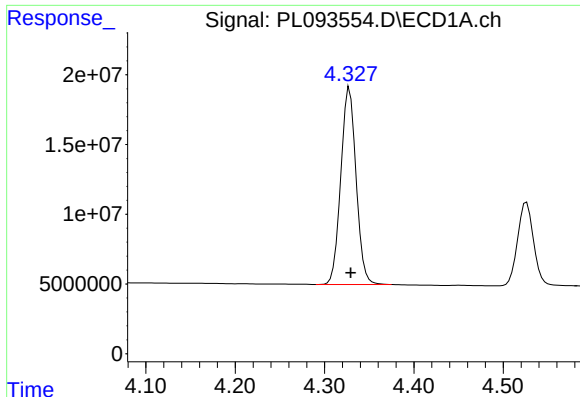
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: -0.002 min
Response: 176402359
Conc: 51.10 ng/ml



#2 alpha-BHC

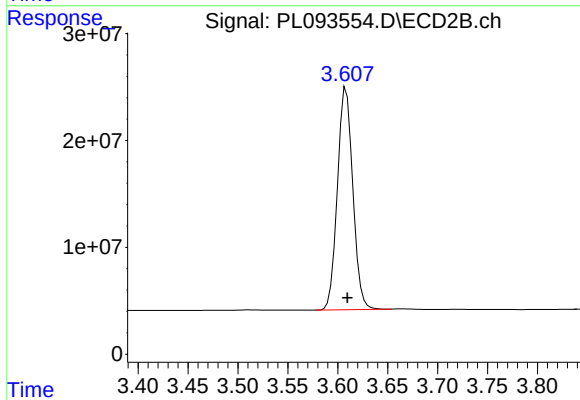
R.T.: 3.278 min
Delta R.T.: -0.001 min
Response: 230381999
Conc: 53.00 ng/ml



#3 gamma-BHC (Lindane)

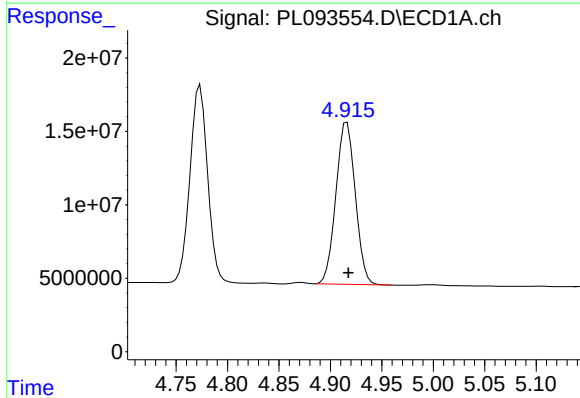
R.T.: 4.328 min
Delta R.T.: -0.001 min
Response: 168004376
Conc: 51.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



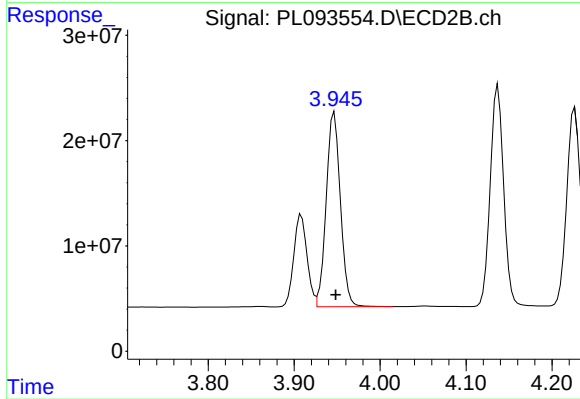
#3 gamma-BHC (Lindane)

R.T.: 3.609 min
Delta R.T.: -0.001 min
Response: 223371824
Conc: 52.94 ng/ml



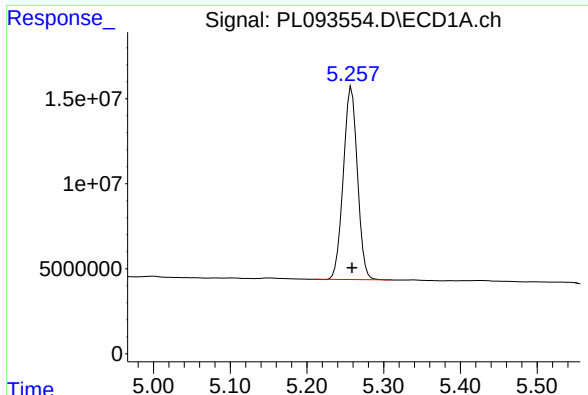
#4 Heptachlor

R.T.: 4.916 min
Delta R.T.: -0.001 min
Response: 144551370
Conc: 49.36 ng/ml



#4 Heptachlor

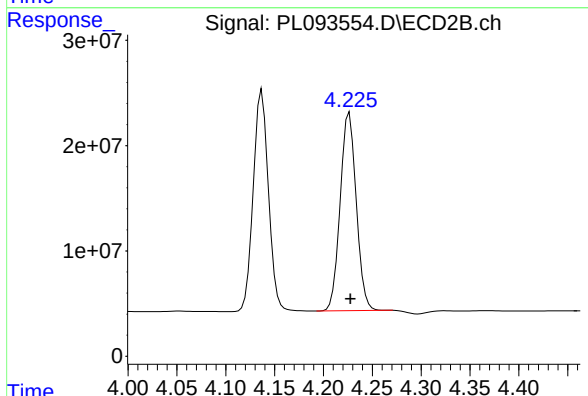
R.T.: 3.947 min
Delta R.T.: -0.002 min
Response: 211829799
Conc: 50.97 ng/ml



#5 Aldrin

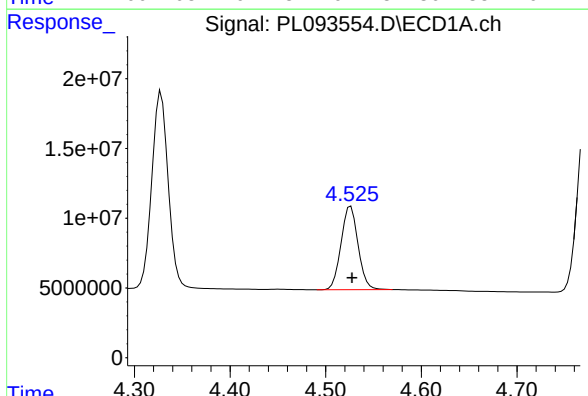
R.T.: 5.258 min
Delta R.T.: 0.000 min
Response: 145390472
Conc: 49.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



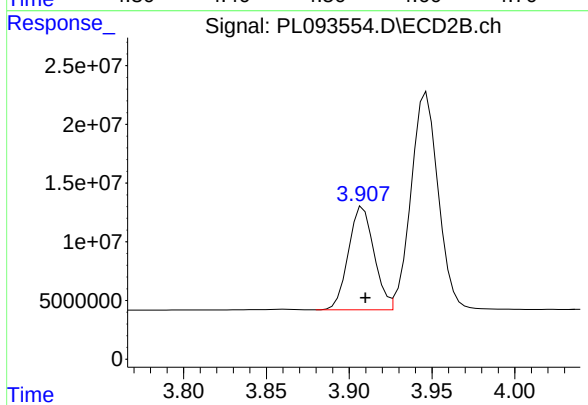
#5 Aldrin

R.T.: 4.227 min
Delta R.T.: -0.001 min
Response: 215796187
Conc: 52.60 ng/ml



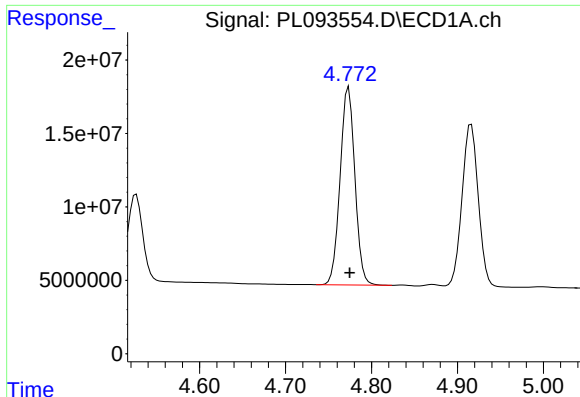
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: -0.001 min
Response: 74187391
Conc: 51.46 ng/ml



#6 beta-BHC

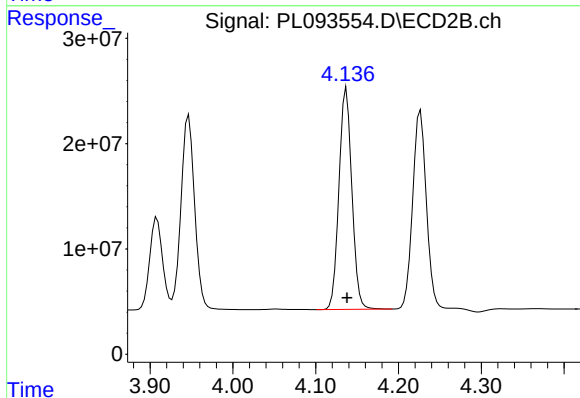
R.T.: 3.908 min
Delta R.T.: -0.001 min
Response: 94548729
Conc: 52.60 ng/ml



#7 delta-BHC

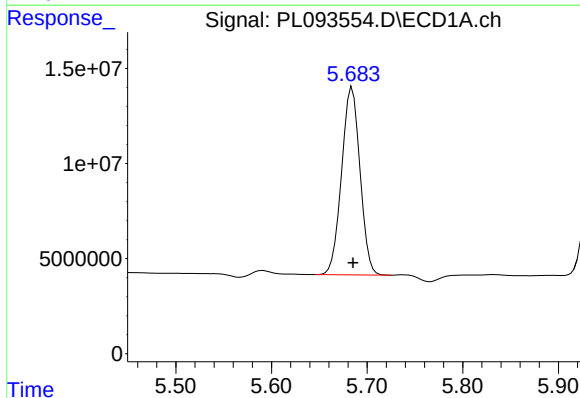
R.T.: 4.773 min
Delta R.T.: -0.001 min
Response: 161001674
Conc: 52.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



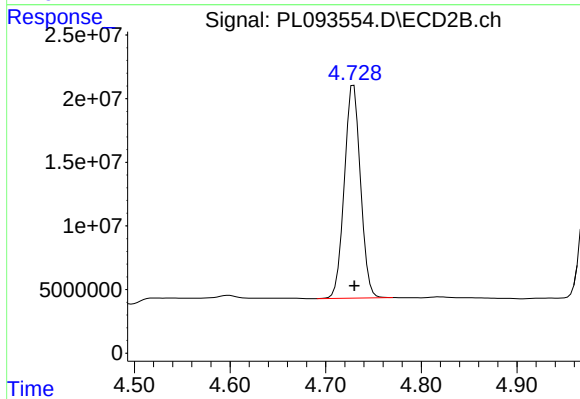
#7 delta-BHC

R.T.: 4.137 min
Delta R.T.: -0.001 min
Response: 227600598
Conc: 53.82 ng/ml



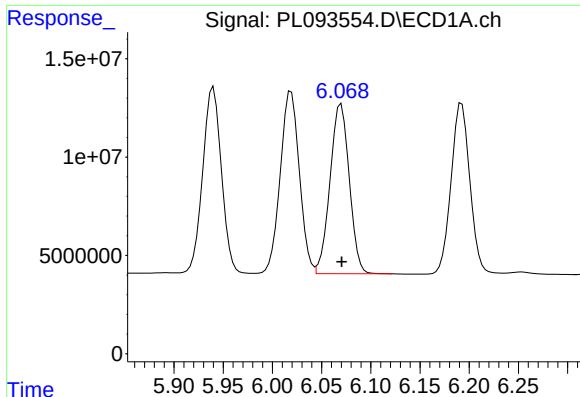
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: -0.001 min
Response: 132231141
Conc: 50.19 ng/ml



#8 Heptachlor epoxide

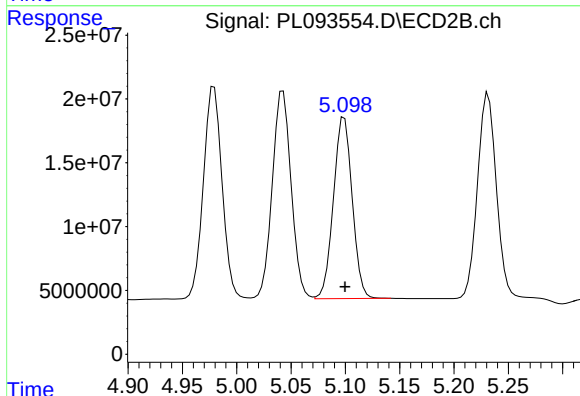
R.T.: 4.729 min
Delta R.T.: 0.000 min
Response: 197361009
Conc: 51.55 ng/ml



#9 Endosulfan I

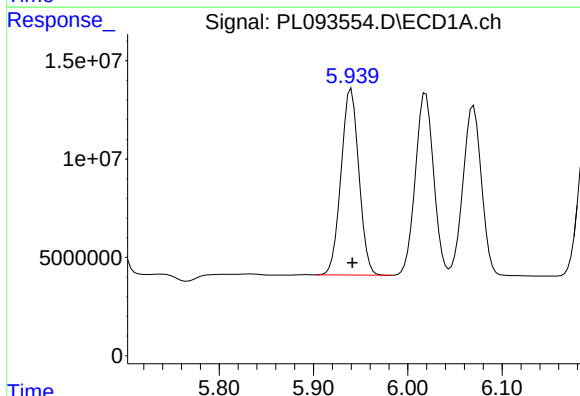
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 117432138
Conc: 49.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



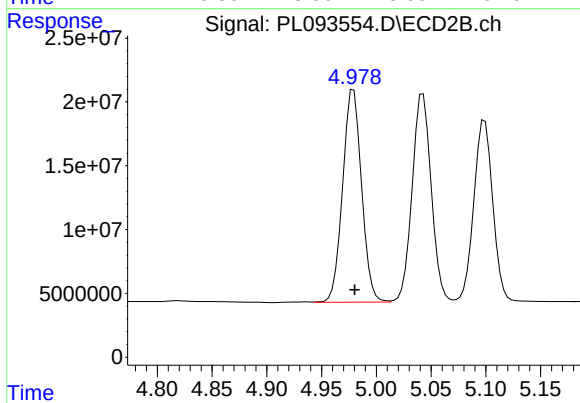
#9 Endosulfan I

R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 170841412
Conc: 48.90 ng/ml



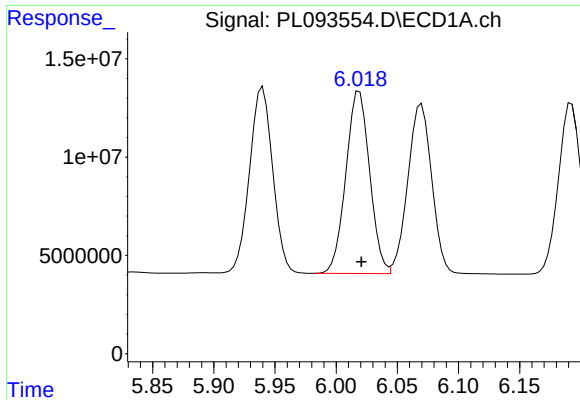
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.001 min
Response: 124707628
Conc: 49.62 ng/ml



#10 gamma-Chlordane

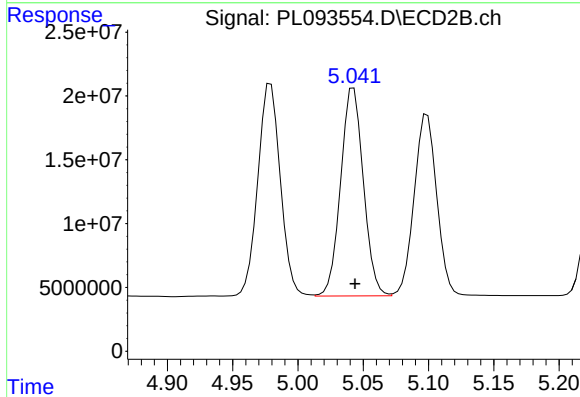
R.T.: 4.979 min
Delta R.T.: -0.001 min
Response: 200515078
Conc: 52.04 ng/ml



#11 alpha-Chlordane

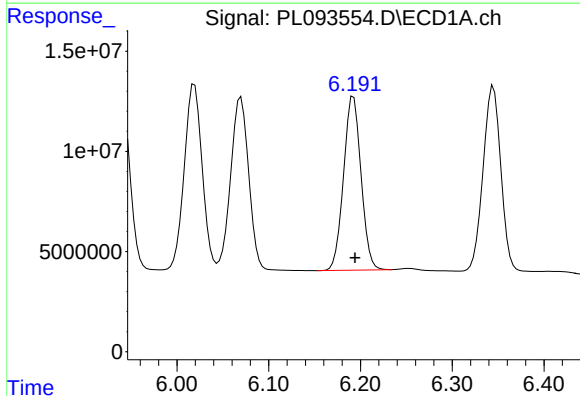
R.T.: 6.019 min
Delta R.T.: -0.001 min
Response: 125309257
Conc: 50.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



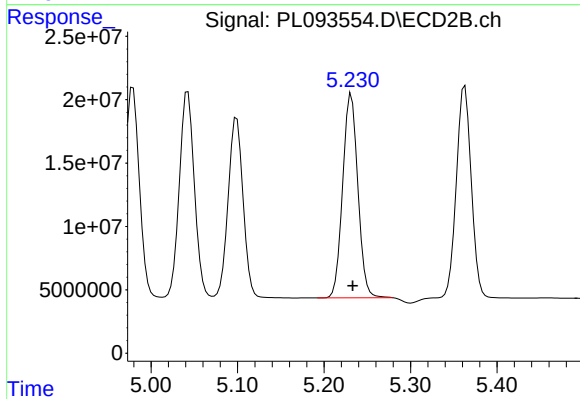
#11 alpha-Chlordane

R.T.: 5.043 min
Delta R.T.: -0.001 min
Response: 197488652
Conc: 51.87 ng/ml



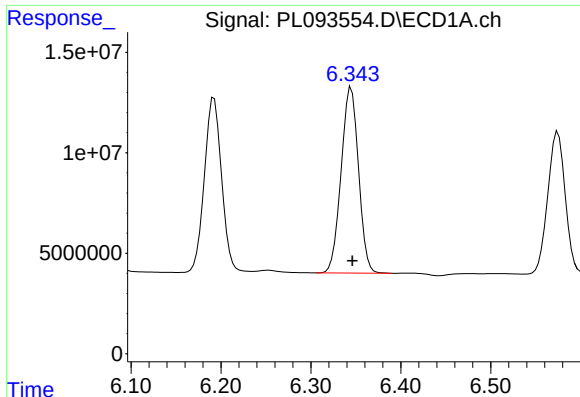
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.002 min
Response: 114610705
Conc: 51.08 ng/ml



#12 4,4'-DDE

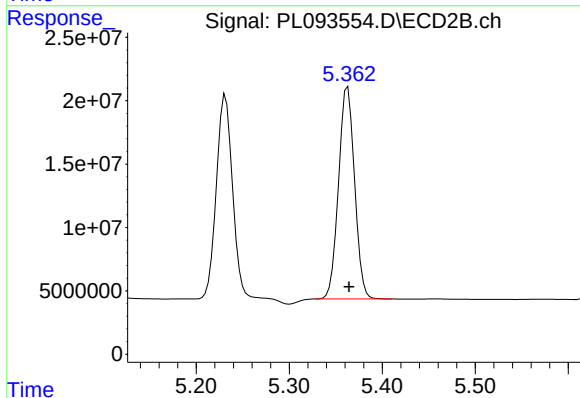
R.T.: 5.231 min
Delta R.T.: -0.001 min
Response: 195095493
Conc: 53.05 ng/ml



#13 Dieldrin

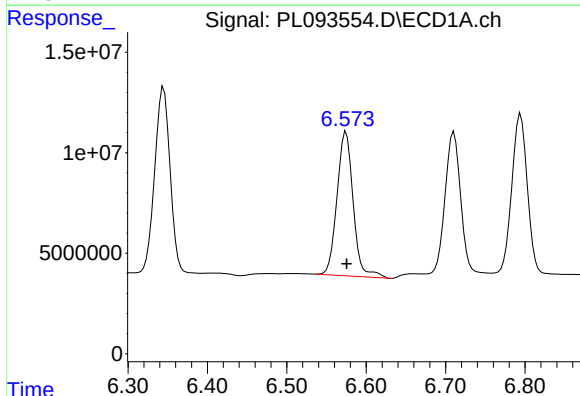
R.T.: 6.345 min
Delta R.T.: -0.001 min
Response: 124152555
Conc: 49.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



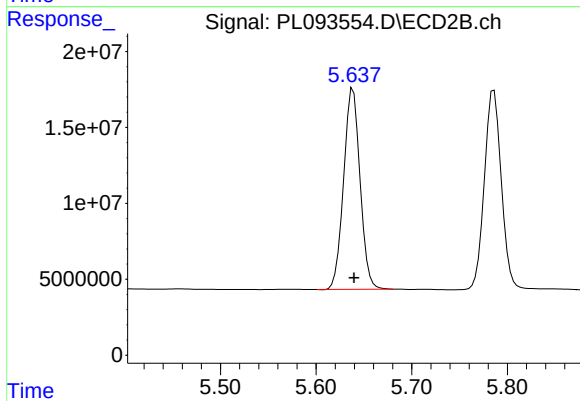
#13 Dieldrin

R.T.: 5.363 min
Delta R.T.: -0.001 min
Response: 200503526
Conc: 52.03 ng/ml



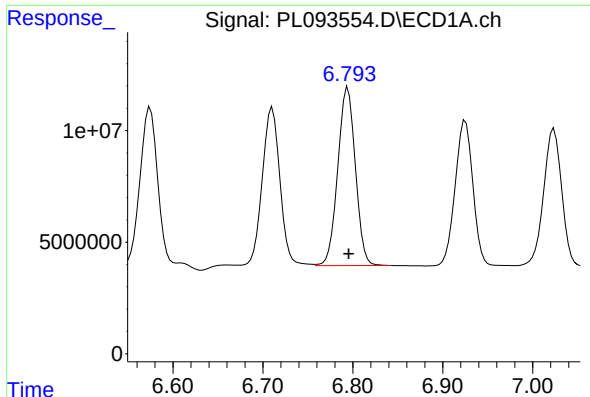
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 101475323
Conc: 47.14 ng/ml



#14 Endrin

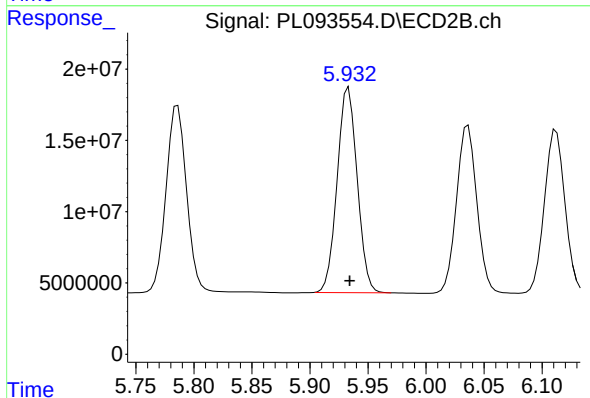
R.T.: 5.639 min
Delta R.T.: 0.000 min
Response: 158641180
Conc: 47.95 ng/ml



#15 Endosulfan II

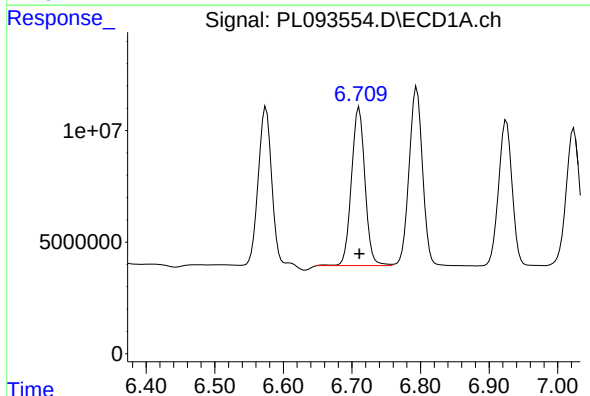
R.T.: 6.795 min
Delta R.T.: 0.000 min
Response: 108654980
Conc: 47.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



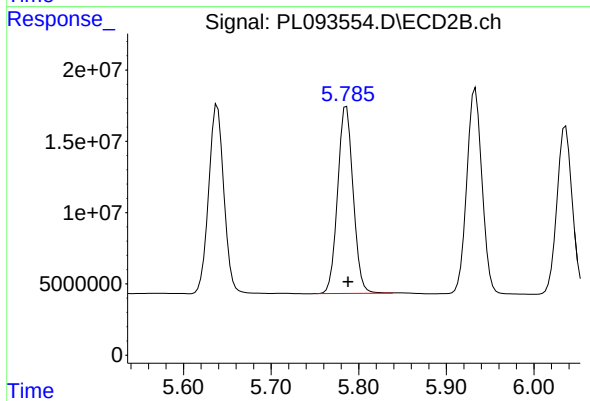
#15 Endosulfan II

R.T.: 5.933 min
Delta R.T.: 0.000 min
Response: 173065049
Conc: 53.27 ng/ml



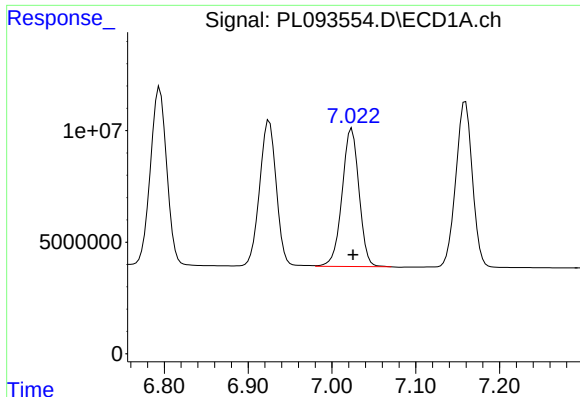
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.000 min
Response: 97056352
Conc: 55.27 ng/ml



#16 4,4'-DDD

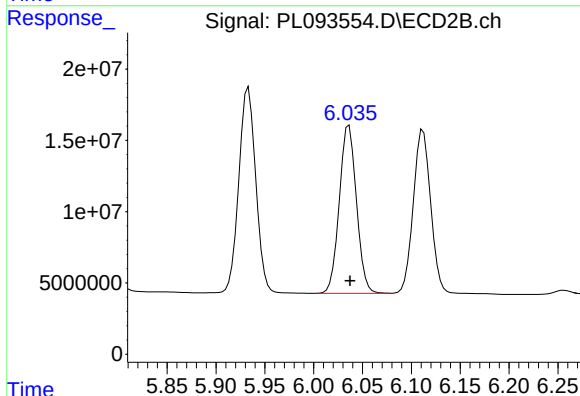
R.T.: 5.786 min
Delta R.T.: -0.002 min
Response: 161356537
Conc: 57.01 ng/ml



#17 4,4'-DDT

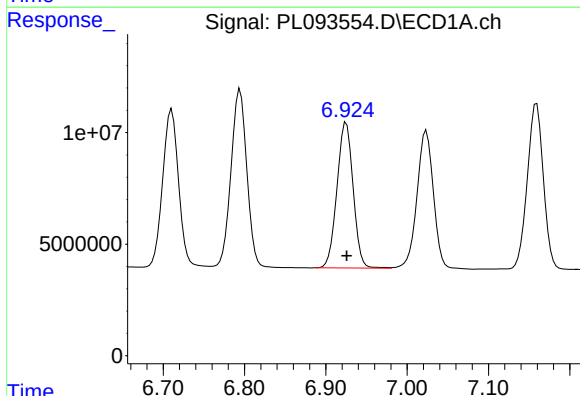
R.T.: 7.024 min
Delta R.T.: -0.001 min
Response: 86948186
Conc: 47.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



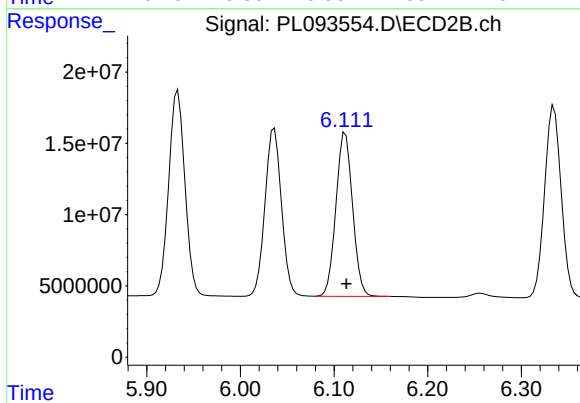
#17 4,4'-DDT

R.T.: 6.036 min
Delta R.T.: -0.001 min
Response: 143937118
Conc: 47.66 ng/ml



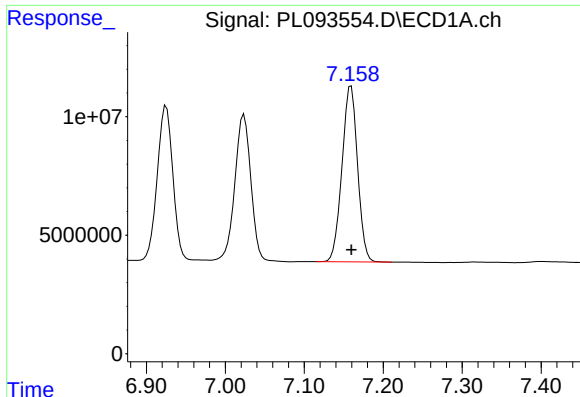
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: 0.000 min
Response: 90068168
Conc: 50.76 ng/ml



#18 Endrin aldehyde

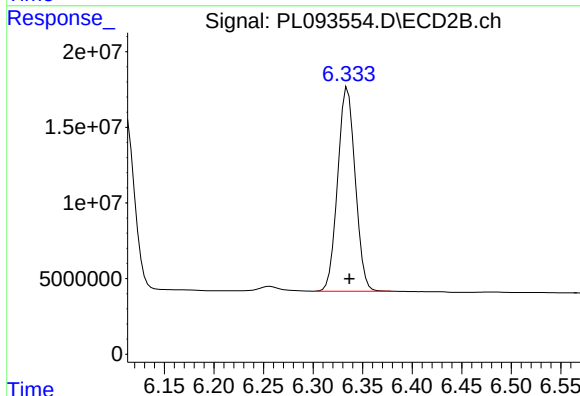
R.T.: 6.112 min
Delta R.T.: -0.001 min
Response: 141906473
Conc: 52.69 ng/ml



#19 Endosulfan Sulfate

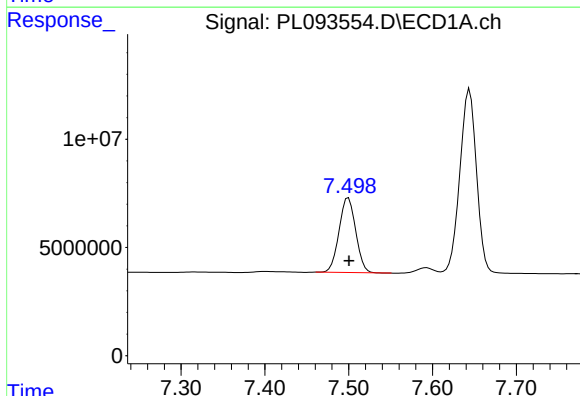
R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 101567994
Conc: 50.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



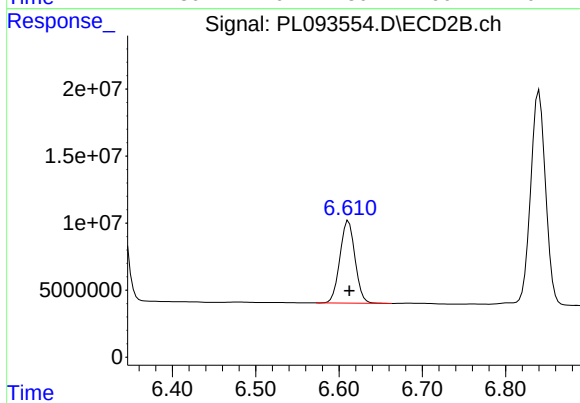
#19 Endosulfan Sulfate

R.T.: 6.335 min
Delta R.T.: -0.002 min
Response: 165786681
Conc: 52.56 ng/ml



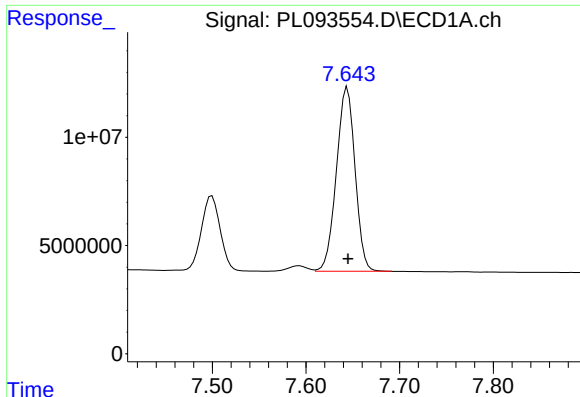
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 47768081
Conc: 47.78 ng/ml



#20 Methoxychlor

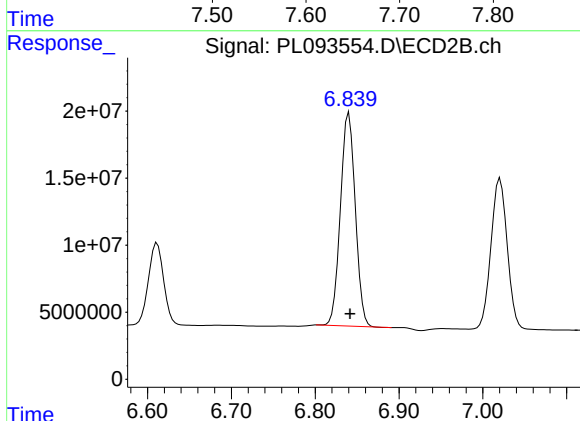
R.T.: 6.612 min
Delta R.T.: 0.000 min
Response: 77332187
Conc: 48.04 ng/ml



#21 Endrin ketone

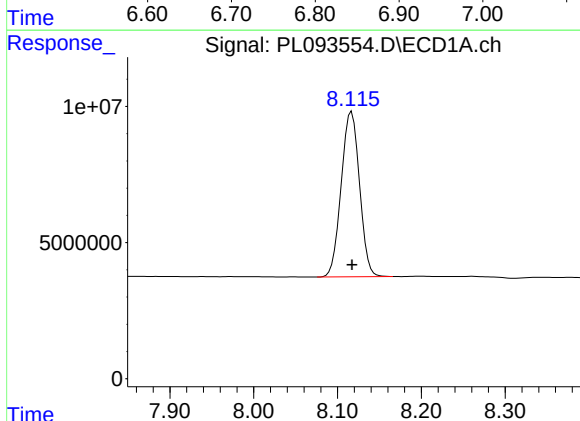
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 117797225
Conc: 52.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



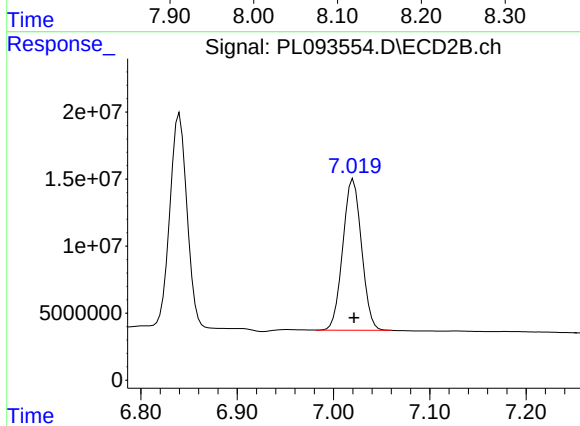
#21 Endrin ketone

R.T.: 6.840 min
Delta R.T.: -0.001 min
Response: 195976995
Conc: 53.83 ng/ml



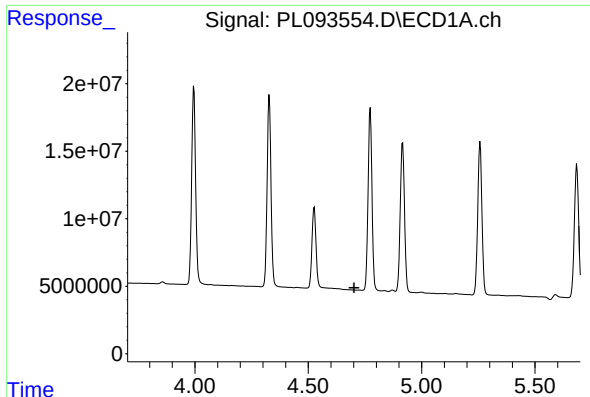
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 92354299
Conc: 49.42 ng/ml



#22 Mirex

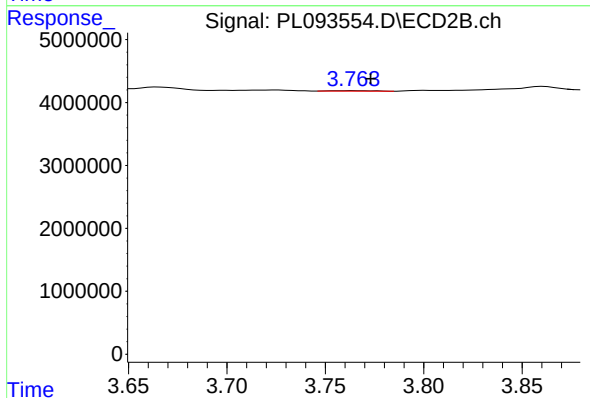
R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 152025344
Conc: 49.74 ng/ml



#23 Chlordane-1

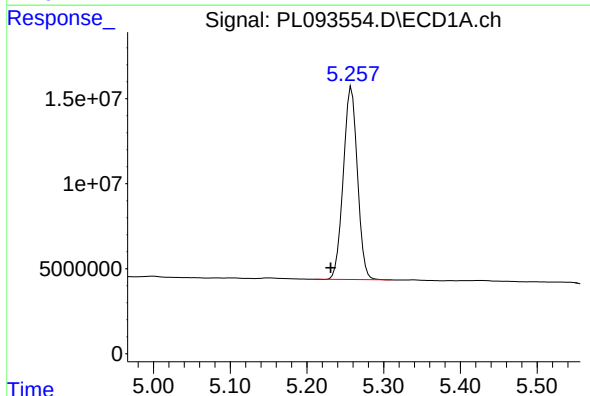
R.T.: 0.000 min
Exp R.T.: 4.702 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



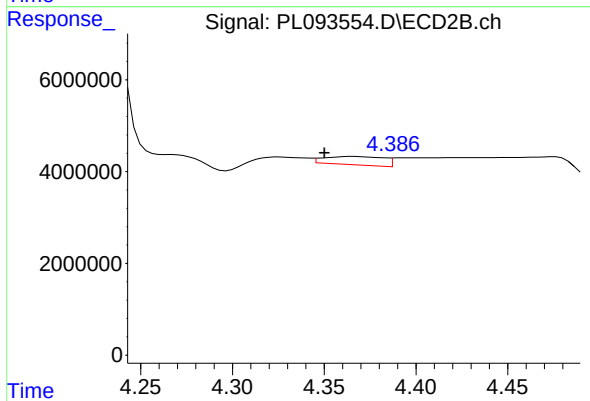
#23 Chlordane-1

R.T.: 3.764 min
Delta R.T.: -0.009 min
Response: 96564
Conc: 0.80 ng/ml



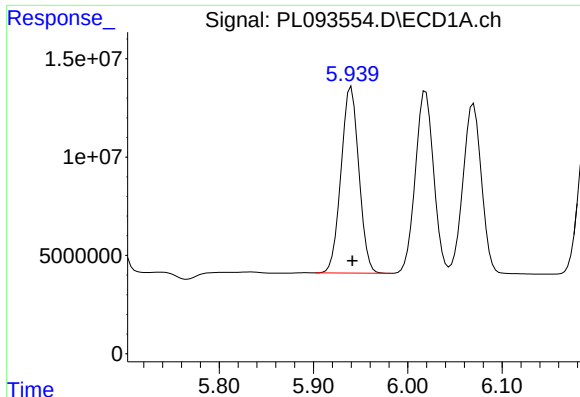
#24 Chlordane-2

R.T.: 5.258 min
Delta R.T.: 0.027 min
Response: 145390472
Conc: 1322.64 ng/ml



#24 Chlordane-2

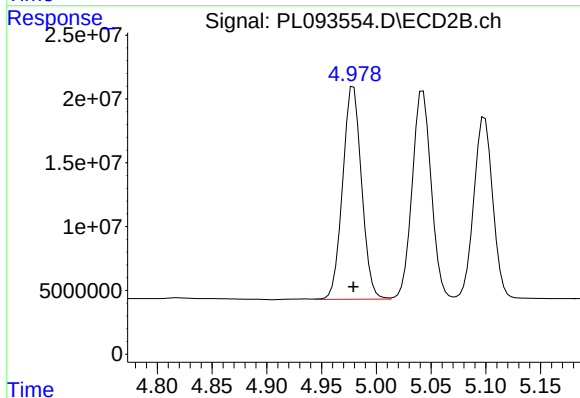
R.T.: 4.366 min
Delta R.T.: 0.016 min
Response: 4078226
Conc: 29.38 ng/ml



#25 Chlordane-3

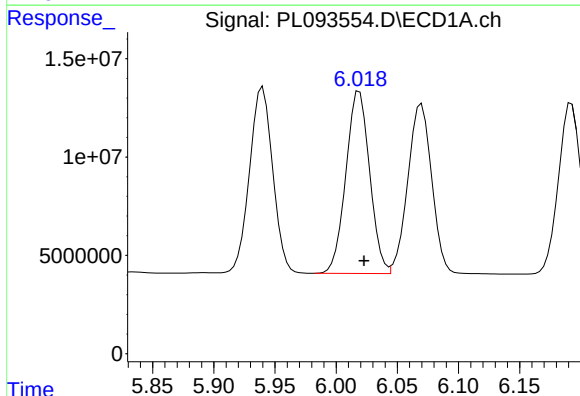
R.T.: 5.940 min
Delta R.T.: -0.001 min
Response: 124707628
Conc: 328.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



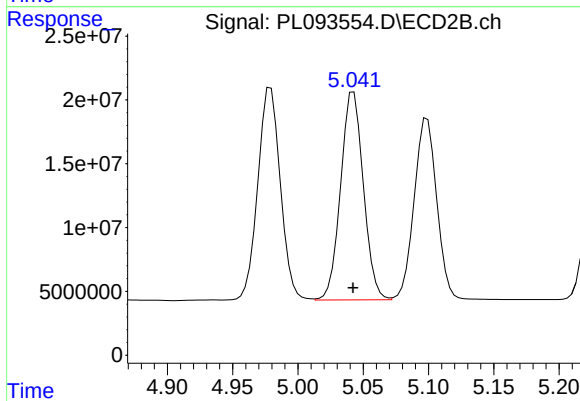
#25 Chlordane-3

R.T.: 4.979 min
Delta R.T.: 0.000 min
Response: 200515078
Conc: 472.51 ng/ml



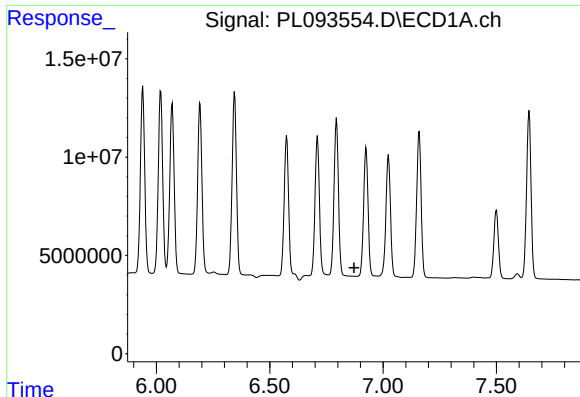
#26 Chlordane-4

R.T.: 6.019 min
Delta R.T.: -0.004 min
Response: 125309257
Conc: 275.80 ng/ml



#26 Chlordane-4

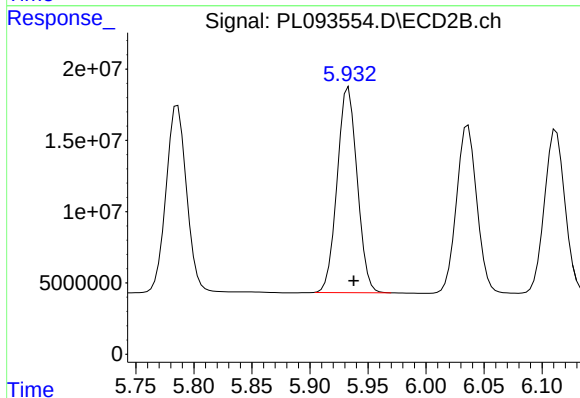
R.T.: 5.043 min
Delta R.T.: 0.000 min
Response: 197488652
Conc: 480.11 ng/ml



#27 Chlordane-5

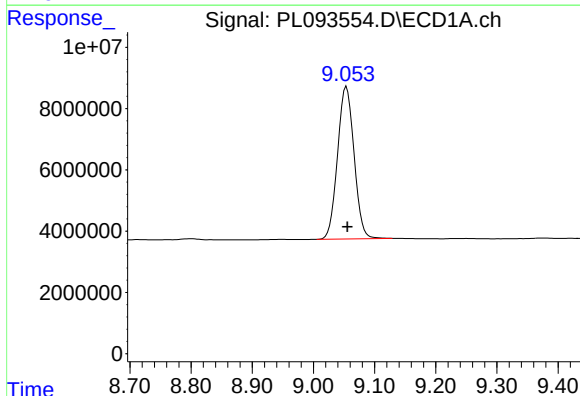
R.T.: 0.000 min
Exp R.T.: 6.872 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



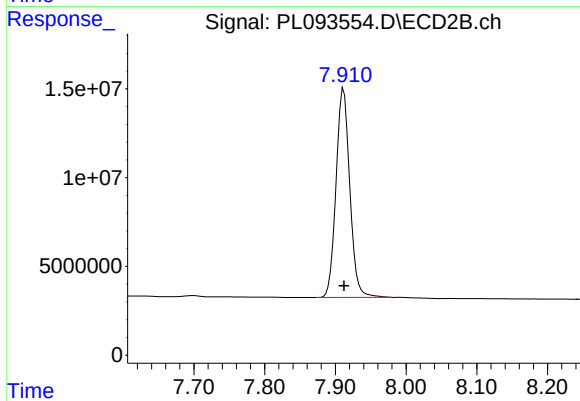
#27 Chlordane-5

R.T.: 5.933 min
Delta R.T.: -0.005 min
Response: 173065049
Conc: 1299.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.002 min
Response: 93458102
Conc: 50.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 159339924
Conc: 53.36 ng/ml