

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : FT MEADE TIPTON AIRFIELD PARCEL RI - PO 0111169

WESTON SOLUTIONS

1400 Weston Way

PO Box 2653

West Chester, PA - 19380

Phone No: 610-701-7400

ORDER ID : Q1109

ATTENTION : Nathan Fretz



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q1109

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

Client : Weston Solutions

Lab Sample Number

Q1109-01
Q1109-02
Q1109-04

Client Sample Number

TAPIAL1-MW04I-011525-00-T3
TAPIAL1-MW04S-011525-00-T2
TAP-TB-01-011525

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 : _____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:33 am, Jan 30, 2025

Date: 1/22/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Weston Solutions

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

Project # N/A

Chemtech Project # Q1109

Test Name: PESTICIDE Group1

A. Number of Samples and Date of Receipt:

3 Water samples were received on 01/16/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group5, Diesel Range Organics, Gasoline Range Organics, Hardness, Total, Hexavalent Chromium, Mercury, Metals ICP-TAL, METALS-TAL, Oil and Grease, PESTICIDE Group1, PESTICIDE Group3, SVOC-TCL BNA -20, TOC and VOC-TCLVOA-10. This data package contains results for PESTICIDE Group1.

C. Analytical Techniques:

The analysis was performed on instrument ECD_L. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11. The analysis of PESTICIDE Group1s was based on method 8081B and extraction was done based on method 3510.

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 RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

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

The 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:

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

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_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:33 am, Jan 30, 2025

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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1109

MATRIX: Water

METHOD: 8081B/3510

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



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

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

ADDITIONAL COMMENTS:

The not QT review data is reported in the Miscellaneous.

REVIEWED

By Sohil Jodhani, QA/QC Director at 9:12 am, Jan 29, 2025

QA REVIEW

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1109

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 01/22/2025

LAB CHRONICLE

OrderID:	Q1109	OrderDate:	1/16/2025 11:32:00 AM
Client:	Weston Solutions	Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	Location:	M11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1109-02	TAPIAL1-MW04S-011	Water			01/15/25			01/16/25
	525-00-T2		Diesel Range Organics	8015D		01/17/25	01/17/25	
			Gasoline Range Organics	8015D			01/17/25	
			PESTICIDE Group1	8081B		01/17/25	01/20/25	

Hit Summary Sheet
SW-846

SDG No.: Q1109

Order ID: Q1109

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

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Surrogate Summary

SDG No.: Q1109

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-PL093694.D	PIBLK-PL093694.D	Decachlorobiphenyl	1	20	21.9	110		30	135
		Tetrachloro-m-xylene	1	20	21.7	109		44	124
		Decachlorobiphenyl	2	20	19.4	97		30	135
		Tetrachloro-m-xylene	2	20	21.5	107		44	124
PB166101BL	PB166101BL	Decachlorobiphenyl	1	20	22.6	113		30	135
		Tetrachloro-m-xylene	1	20	20.3	101		44	124
		Decachlorobiphenyl	2	20	21.8	109		30	135
		Tetrachloro-m-xylene	2	20	19.8	99		44	124
PB166101BS	PB166101BS	Decachlorobiphenyl	1	20	20.4	102		30	135
		Tetrachloro-m-xylene	1	20	18.4	92		44	124
		Decachlorobiphenyl	2	20	19.7	99		30	135
		Tetrachloro-m-xylene	2	20	17.9	90		44	124
PB166101BSD	PB166101BSD	Decachlorobiphenyl	1	20	20.4	102		30	135
		Tetrachloro-m-xylene	1	20	18.1	90		44	124
		Decachlorobiphenyl	2	20	19.7	99		30	135
		Tetrachloro-m-xylene	2	20	17.3	87		44	124
Q1109-02	TAPIAL1-MW04S-011525-00-T2	Decachlorobiphenyl	1	20	13.9	69		30	135
		Tetrachloro-m-xylene	1	20	21.1	106		44	124
		Decachlorobiphenyl	2	20	13.3	66		30	135
		Tetrachloro-m-xylene	2	20	19.9	100		44	124
I.BLK-PL093706.D	PIBLK-PL093706.D	Decachlorobiphenyl	1	20	23.3	117		30	135
		Tetrachloro-m-xylene	1	20	21.6	108		44	124
		Decachlorobiphenyl	2	20	23.0	115		30	135
		Tetrachloro-m-xylene	2	20	21.1	105		44	124

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1109

Client: Weston Solutions

Analytical Method: 8081B

Datafile : PL093702.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB166101BS	alpha-BHC	0.5	0.49	ug/L	97				54	138	
	beta-BHC	0.5	0.50	ug/L	100				56	136	
	delta-BHC	0.5	0.48	ug/L	95				52	142	
	gamma-BHC (Lindane)	0.5	0.48	ug/L	96				59	134	
	Heptachlor	0.5	0.49	ug/L	98				54	130	
	Aldrin	0.5	0.47	ug/L	95				45	134	
	Heptachlor epoxide	0.5	0.48	ug/L	97				61	133	
	Endosulfan I	0.5	0.51	ug/L	101				62	126	
	Dieldrin	0.5	0.50	ug/L	100				60	136	
	4,4'-DDE	0.5	0.51	ug/L	102				57	135	
	Endrin	0.5	0.50	ug/L	100				60	138	
	Endosulfan II	0.5	0.53	ug/L	105				52	135	
	4,4'-DDD	0.5	0.55	ug/L	109				56	143	
	Endosulfan sulfate	0.5	0.51	ug/L	103				62	133	
	4,4'-DDT	0.5	0.51	ug/L	102				51	143	
	Methoxychlor	0.5	0.48	ug/L	97				54	145	
	Endrin ketone	0.5	0.52	ug/L	105				58	134	
	Endrin aldehyde	0.5	0.50	ug/L	100				51	132	
	alpha-Chlordane	0.5	0.50	ug/L	100				60	129	
	gamma-Chlordane	0.5	0.51	ug/L	101				56	136	
	Mirex	0.5	0.46	ug/L	92				51	127	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1109

Client: Weston Solutions

Analytical Method: 8081B

Datafile : PL093703.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB166101BSD	alpha-BHC	0.5	0.47	ug/L	93	4			54	138	20
	beta-BHC	0.5	0.48	ug/L	96	4			56	136	20
	delta-BHC	0.5	0.47	ug/L	93	2			52	142	20
	gamma-BHC (Lindane)	0.5	0.46	ug/L	92	4			59	134	20
	Heptachlor	0.5	0.48	ug/L	95	3			54	130	20
	Aldrin	0.5	0.46	ug/L	91	4			45	134	20
	Heptachlor epoxide	0.5	0.47	ug/L	94	3			61	133	20
	Endosulfan I	0.5	0.49	ug/L	98	3			62	126	20
	Dieldrin	0.5	0.49	ug/L	98	2			60	136	20
	4,4'-DDE	0.5	0.49	ug/L	99	3			57	135	20
	Endrin	0.5	0.49	ug/L	98	2			60	138	20
	Endosulfan II	0.5	0.52	ug/L	104	1			52	135	20
	4,4'-DDD	0.5	0.54	ug/L	107	2			56	143	20
	Endosulfan sulfate	0.5	0.51	ug/L	102	1			62	133	20
	4,4'-DDT	0.5	0.50	ug/L	100	2			51	143	20
	Methoxychlor	0.5	0.48	ug/L	96	1			54	145	20
	Endrin ketone	0.5	0.52	ug/L	104	1			58	134	20
	Endrin aldehyde	0.5	0.49	ug/L	99	1			51	132	20
	alpha-Chlordane	0.5	0.49	ug/L	97	3			60	129	20
	gamma-Chlordane	0.5	0.49	ug/L	98	3			56	136	20
	Mirex	0.5	0.46	ug/L	92	0			51	127	20

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166101BL

Lab Name: CHEMTECH

Contract: WEST04

Lab Code: CHEM Case No.: Q1109

SAS No.: Q1109 SDG NO.: Q1109

Lab Sample ID: PB166101BL

Lab File ID: PL093701.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 01/17/2025

Date Analyzed (1): 01/20/2025

Date Analyzed (2): 01/20/2025

Time Analyzed (1): 12:22

Time Analyzed (2): 12:22

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
PB166101BS	PB166101BS	PL093702.D	01/20/2025	01/20/2025
PB166101BSD	PB166101BSD	PL093703.D	01/20/2025	01/20/2025
TAPIAL1-MW04S-011525-00-T2	Q1109-02	PL093704.D	01/20/2025	01/20/2025

COMMENTS: _____



SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions	Date Collected:	01/15/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/16/25
Client Sample ID:	TAPIAL1-MW04S-011525-00-T2	SDG No.:	Q1109
Lab Sample ID:	Q1109-02	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	980 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093704.D	1	01/17/25 08:17	01/20/25 13:15	PB166101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.026	U	0.0062	0.026	0.051	ug/L
319-85-7	beta-BHC	0.026	U	0.014	0.026	0.051	ug/L
319-86-8	delta-BHC	0.026	U	0.015	0.026	0.051	ug/L
58-89-9	gamma-BHC (Lindane)	0.026	U	0.0050	0.026	0.051	ug/L
76-44-8	Heptachlor	0.026	U	0.0055	0.026	0.051	ug/L
309-00-2	Aldrin	0.026	U	0.0045	0.026	0.051	ug/L
1024-57-3	Heptachlor epoxide	0.026	U	0.0092	0.026	0.051	ug/L
959-98-8	Endosulfan I	0.026	U	0.0051	0.026	0.051	ug/L
60-57-1	Dieldrin	0.026	U	0.0048	0.026	0.051	ug/L
72-55-9	4,4-DDE	0.026	U	0.0046	0.026	0.051	ug/L
72-20-8	Endrin	0.010	U	0.0044	0.010	0.051	ug/L
33213-65-9	Endosulfan II	0.026	U	0.0077	0.026	0.051	ug/L
72-54-8	4,4-DDD	0.026	U	0.0094	0.026	0.051	ug/L
1031-07-8	Endosulfan Sulfate	0.026	U	0.0036	0.026	0.051	ug/L
50-29-3	4,4-DDT	0.026	U	0.0045	0.026	0.051	ug/L
72-43-5	Methoxychlor	0.026	U	0.011	0.026	0.051	ug/L
53494-70-5	Endrin ketone	0.026	U	0.0099	0.026	0.051	ug/L
7421-93-4	Endrin aldehyde	0.026	U	0.010	0.026	0.051	ug/L
5103-71-9	alpha-Chlordane	0.026	U	0.0061	0.026	0.051	ug/L
5103-74-2	gamma-Chlordane	0.026	U	0.0061	0.026	0.051	ug/L
8001-35-2	Toxaphene	0.51	U	0.15	0.51	1.00	ug/L
57-74-9	Chlordane	0.26	U	0.084	0.26	0.51	ug/L
2385-85-5	Mirex	0.026	U	0.0042	0.026	0.051	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	13.9		30 - 135		69%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.1		44 - 124		106%	SPK: 20

Report of Analysis

Client:	Weston Solutions		Date Collected:	01/15/25	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169		Date Received:	01/16/25	
Client Sample ID:	TAPIAL1-MW04S-011525-00-T2		SDG No.:	Q1109	
Lab Sample ID:	Q1109-02		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	980	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093704.D	1	01/17/25 08:17	01/20/25 13:15	PB166101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012025\
Data File : PL093704.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Jan 2025 13:15
Operator : AR\AJ
Sample : Q1109-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TAPIAL1-MW04S-011525-00-T2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 20 13:29:33 2025
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	2.776	52967255	59827626	21.395	20.551
28) SA Decachlor...	9.055	7.910	26242636	41040558	14.193	13.745

Target Compounds

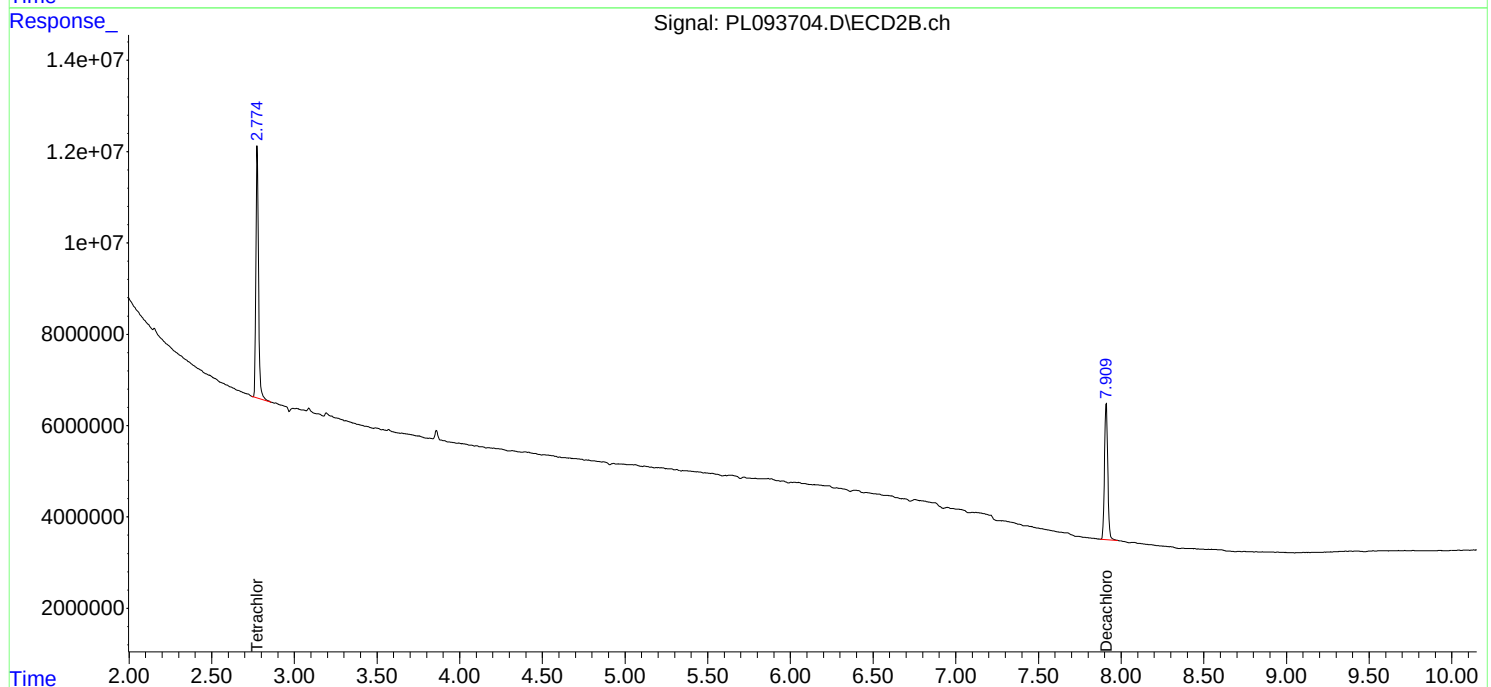
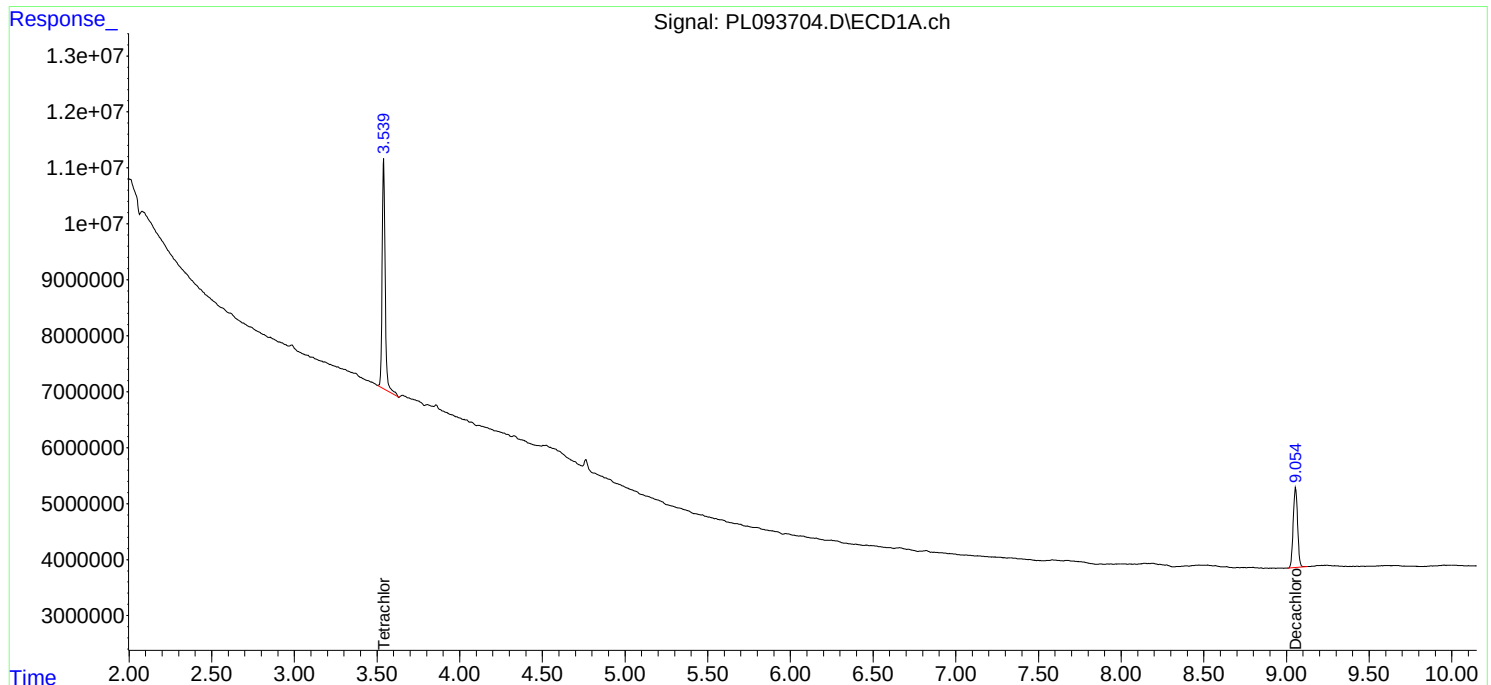
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

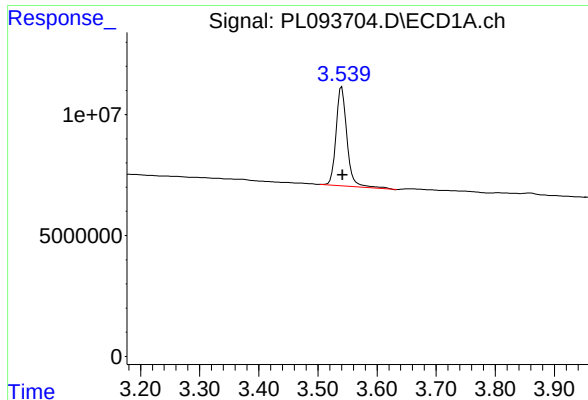
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012025\
Data File : PL093704.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Jan 2025 13:15
Operator : AR\AJ
Sample : Q1109-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TAPIAL1-MW04S-011525-00-T2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 20 13:29:33 2025
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

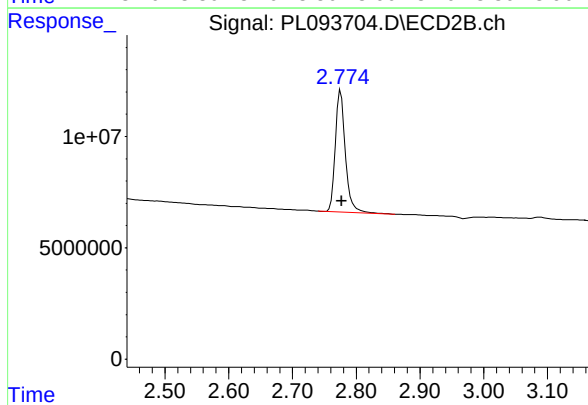




#1 Tetrachloro-m-xylene

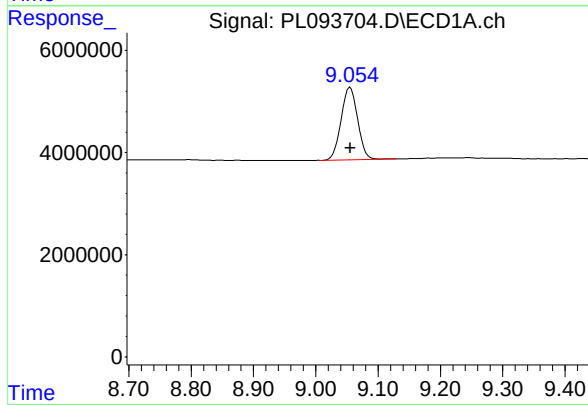
R.T.: 3.541 min
Delta R.T.: -0.001 min
Response: 52967255
Conc: 21.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAPIAL1-MW04S-011525-00-T2



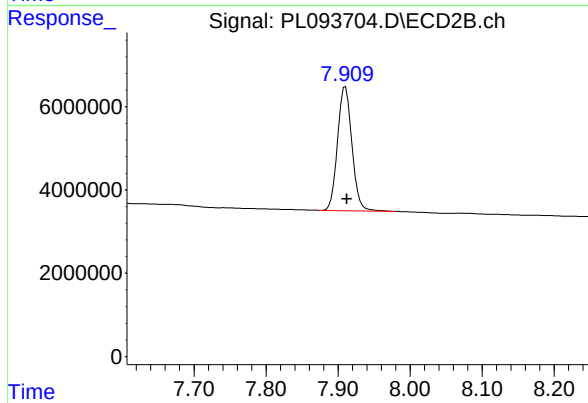
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.002 min
Response: 59827626
Conc: 20.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.000 min
Response: 26242636
Conc: 14.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: -0.002 min
Response: 41040558
Conc: 13.74 ng/ml



CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: WEST04
Lab Code: CHEM **Case No.:** Q1109 **SAS No.:** Q1109 **SDG NO.:** Q1109
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:	RT 100 = <u>PL093484.D</u>	RT 075 = <u>PL093485.D</u>
RT 050 = <u>PL093486.D</u>	RT 025 = <u>PL093487.D</u>	RT 005 = <u>PL093488.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.03	7.03	7.03	7.02	7.02	7.02	6.92	7.12
Aldrin	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Decachlorobiphenyl	9.06	9.06	9.06	9.05	9.05	9.06	8.96	9.16
delta-BHC	4.78	4.78	4.78	4.77	4.77	4.77	4.67	4.87
Dieldrin	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.80	6.80	6.80	6.80	6.79	6.80	6.70	6.90
Endosulfan sulfate	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Endrin	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Endrin aldehyde	6.93	6.93	6.93	6.92	6.92	6.92	6.82	7.02
Endrin ketone	7.65	7.65	7.65	7.64	7.64	7.64	7.54	7.74
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.68	5.69	5.59	5.79
Methoxychlor	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Mirex	8.12	8.12	8.12	8.12	8.12	8.12	8.02	8.22
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

RETENTION TIMES OF INITIAL CALIBRATION

Contract: WEST04
Lab Code: CHEM **Case No.:** Q1109 **SAS No.:** Q1109 **SDG NO.:** Q1109
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:	RT 100 = <u>PL093484.D</u>	RT 075 = <u>PL093485.D</u>
RT 050 = <u>PL093486.D</u>	RT 025 = <u>PL093487.D</u>	RT 005 = <u>PL093488.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	5.79	5.79	5.79	5.79	5.79	5.79	5.69	5.89
4,4'-DDE	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
4,4'-DDT	6.04	6.04	6.04	6.04	6.04	6.04	5.94	6.14
Aldrin	4.23	4.23	4.23	4.23	4.23	4.23	4.13	4.33
alpha-BHC	3.28	3.28	3.28	3.28	3.28	3.28	3.18	3.38
alpha-Chlordane	5.04	5.04	5.04	5.04	5.04	5.04	4.94	5.14
beta-BHC	3.91	3.91	3.91	3.91	3.91	3.91	3.81	4.01
Decachlorobiphenyl	7.91	7.91	7.91	7.91	7.91	7.91	7.81	8.01
delta-BHC	4.14	4.14	4.14	4.14	4.14	4.14	4.04	4.24
Dieldrin	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Endosulfan I	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
Endosulfan II	5.94	5.93	5.93	5.93	5.93	5.93	5.83	6.03
Endosulfan sulfate	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endrin	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Endrin aldehyde	6.11	6.11	6.11	6.11	6.11	6.11	6.01	6.21
Endrin ketone	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
gamma-BHC (Lindane)	3.61	3.61	3.61	3.61	3.61	3.61	3.51	3.71
gamma-Chlordane	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Heptachlor	3.95	3.95	3.95	3.95	3.95	3.95	3.85	4.05
Heptachlor epoxide	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Methoxychlor	6.61	6.61	6.61	6.61	6.61	6.61	6.51	6.71
Mirex	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WEST04
Lab Code: CHEM **Case No.:** Q1109 **SAS No.:** Q1109 **SDG NO.:** Q1109
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
4,4'-DDD	1621940000	1601100000	1685020000	1757890000	2113830000	1755960000	12
4,4'-DDE	2097720000	2040360000	2142990000	2234520000	2703690000	2243860000	12
4,4'-DDT	1736630000	1688550000	1784110000	1855870000	2177460000	1848520000	10
Aldrin	2739480000	2644310000	2770490000	2873720000	3516330000	2908860000	12
alpha-BHC	3477660000	3206020000	3340110000	3364880000	3873240000	3452380000	7
alpha-Chlordane	2320790000	2264920000	2384480000	2497660000	3046700000	2502910000	13
beta-BHC	1321620000	1298650000	1378880000	1446620000	1762170000	1441590000	13
Decachlorobiphenyl	1661260000	1649170000	1775440000	1867730000	2291490000	1849020000	14
delta-BHC	3024560000	2885810000	2967810000	2997880000	3436900000	3062590000	7
Dieldrin	2323630000	2259870000	2374580000	2480210000	3037140000	2495090000	13
Endosulfan I	2169790000	2119850000	2246090000	2359490000	2901070000	2359260000	13
Endosulfan II	2079450000	1967950000	2094960000	2244490000	2979500000	2273270000	18
Endosulfan sulfate	1819170000	1796010000	1919480000	2039270000	2521220000	2019030000	15
Endrin	1980610000	1930990000	2046720000	2145760000	2658130000	2152440000	14
Endrin aldehyde	1590580000	1583320000	1679660000	1797120000	2221970000	1774530000	15
Endrin ketone	2063700000	2025470000	2127570000	2251850000	2750680000	2243850000	13
gamma-BHC (Lindane)	3189620000	3052290000	3180150000	3224710000	3750380000	3279430000	8
gamma-Chlordane	2340050000	2281170000	2403320000	2499810000	3041090000	2513090000	12
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
Mirex	1642270000	1641150000	1760360000	1906290000	2393520000	1868720000	17
Tetrachloro-m-xylene	2318290000	2256280000	2391520000	2493110000	2919250000	2475690000	11

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WEST04
Lab Code: CHEM **Case No.:** Q1109 **SAS No.:** Q1109 **SDG NO.:** Q1109
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
4,4'-DDD	2969360000	2852140000	2831690000	2714170000	2783370000	2830150000	3
4,4'-DDE	3832650000	3639420000	3656470000	3546590000	3711090000	3677240000	3
4,4'-DDT	3215060000	3041820000	3039820000	2905500000	2899310000	3020300000	4
Aldrin	4345680000	4106320000	4115460000	3936670000	4007300000	4102290000	4
alpha-BHC	4680470000	4391020000	4405830000	4157300000	4099330000	4346790000	5
alpha-Chlordane	3914230000	3727230000	3759980000	3681520000	3954030000	3807400000	3
beta-BHC	1797540000	1726560000	1774070000	1776440000	1912840000	1797490000	4
Decachlorobiphenyl	2956580000	2818470000	2885080000	2902790000	3366620000	2985910000	7
delta-BHC	4528040000	4258650000	4266310000	4044840000	4046510000	4228870000	5
Dieldrin	4043510000	3835610000	3838300000	3694190000	3857790000	3853880000	3
Endosulfan I	3574790000	3428030000	3460070000	3382390000	3624490000	3493950000	3
Endosulfan II	3311470000	3237660000	3254890000	3188220000	3252500000	3248950000	1
Endosulfan sulfate	3216080000	3076010000	3113450000	3066780000	3299740000	3154410000	3
Endrin	3457020000	3288270000	3315120000	3193900000	3287350000	3308330000	3
Endrin aldehyde	2707870000	2610810000	2655280000	2645600000	2845870000	2693090000	3
Endrin ketone	3680660000	3542340000	3618450000	3559240000	3801270000	3640390000	3
gamma-BHC (Lindane)	4493780000	4228750000	4260470000	4062450000	4051390000	4219370000	4
gamma-Chlordane	3989810000	3780300000	3791390000	3703680000	3999910000	3853020000	3
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
Mirex	2945640000	2863180000	2956630000	3043350000	3473770000	3056510000	8
Tetrachloro-m-xylene	2947220000	2813690000	2902100000	2859340000	3033640000	2911200000	3



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: WEST04

Lab Code: CHEM Case No.: Q1109 SAS No.: Q1109 SDG NO.: Q1109

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



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: WEST04

Lab Code: CHEM Case No.: Q1109 SAS No.: Q1109 SDG NO.: Q1109

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

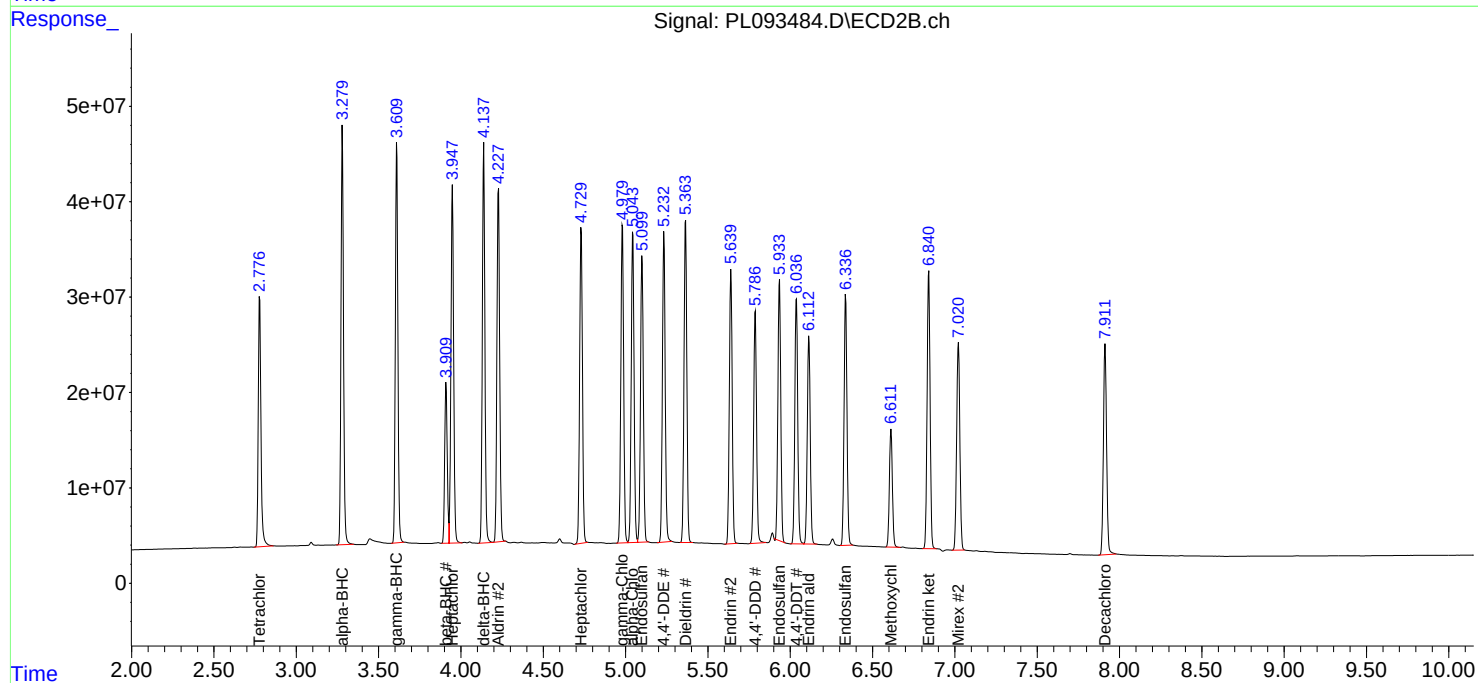
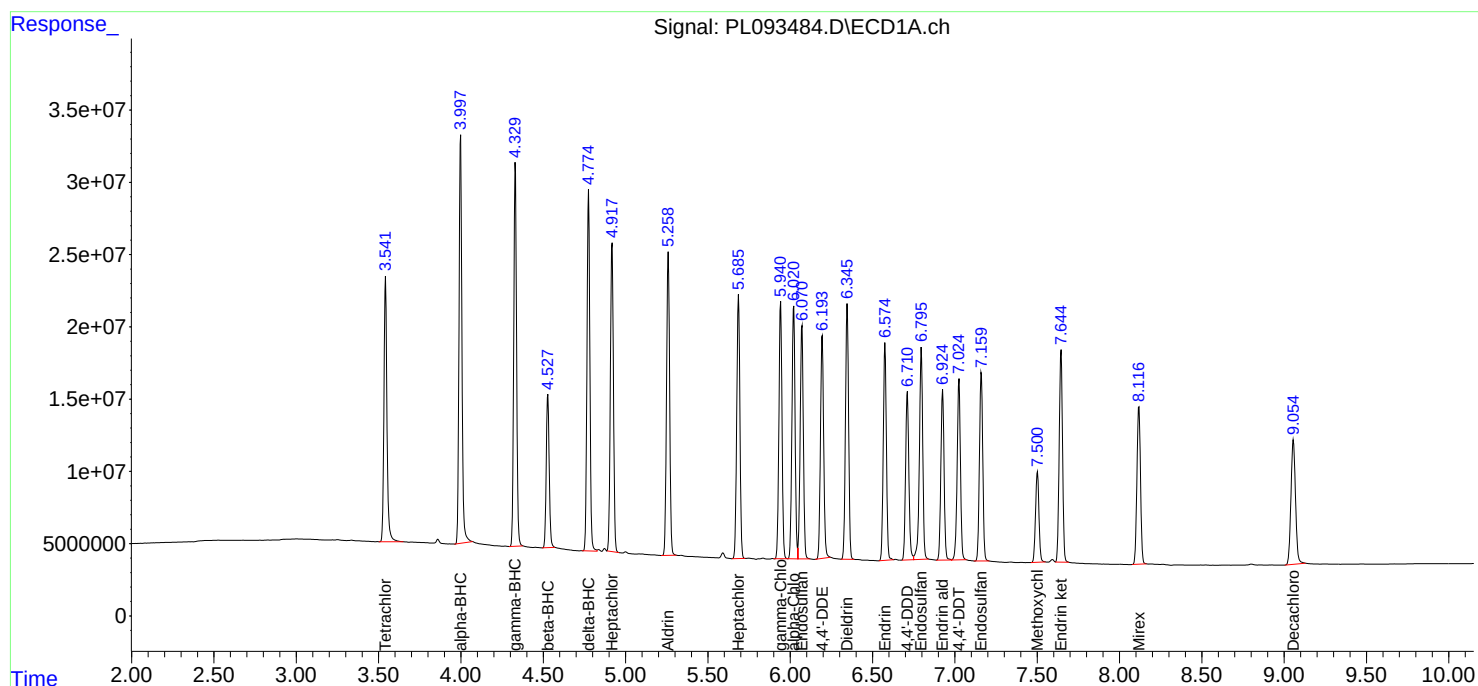
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

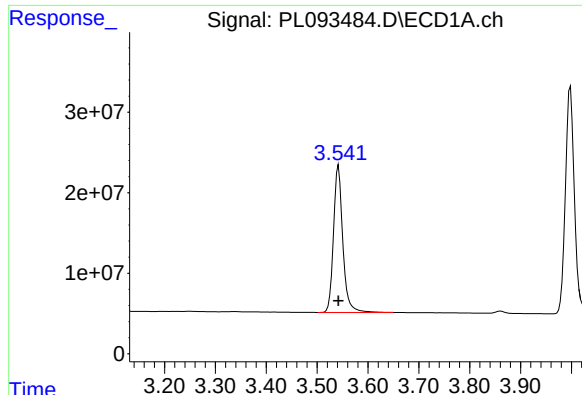
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
Data File : PL093484.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Dec 2024 13:15
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

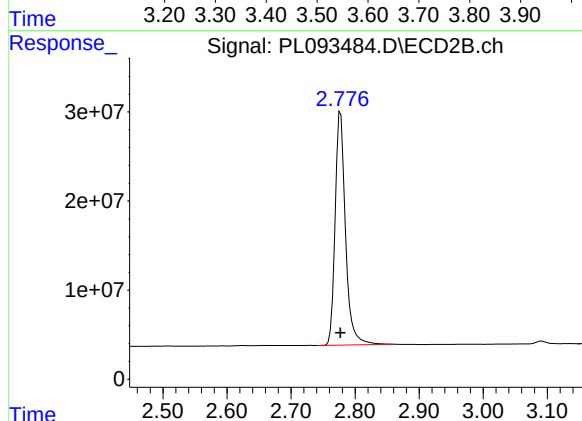




#1 Tetrachloro-m-xylene

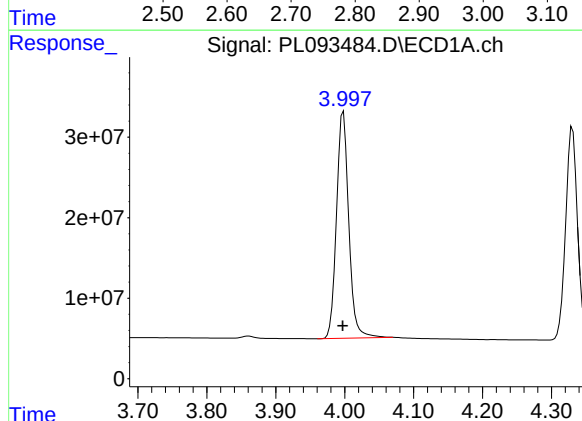
R.T.: 3.542 min
Delta R.T.: 0.000 min
Response: 231828714
Conc: 96.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



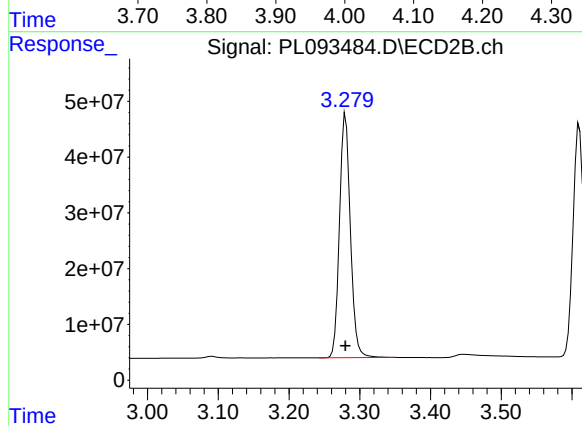
#1 Tetrachloro-m-xylene

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



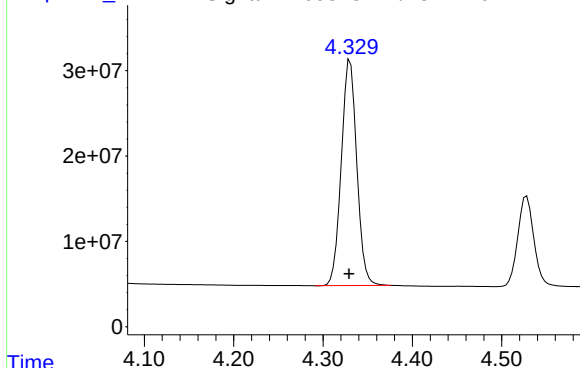
#2 alpha-BHC

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



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

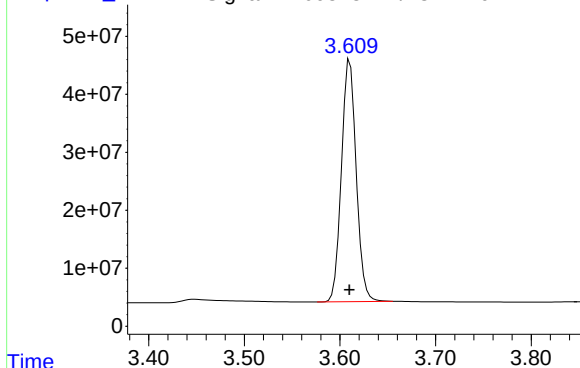
Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Time

Response_

Signal: PL093484.D\ECD2B.ch

#3 gamma-BHC (Lindane)



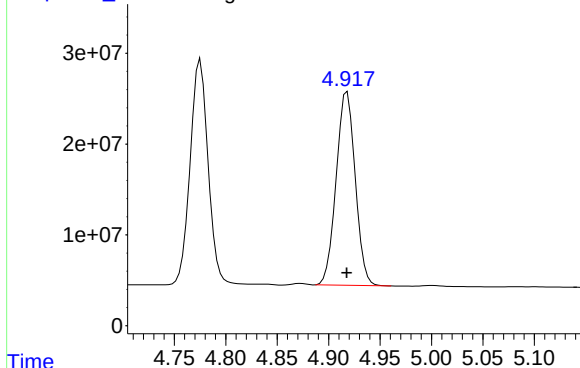
R.T.: 3.610 min
Delta R.T.: 0.000 min
Response: 449377997
Conc: 105.48 ng/ml

Time

Response_

Signal: PL093484.D\ECD1A.ch

#4 Heptachlor



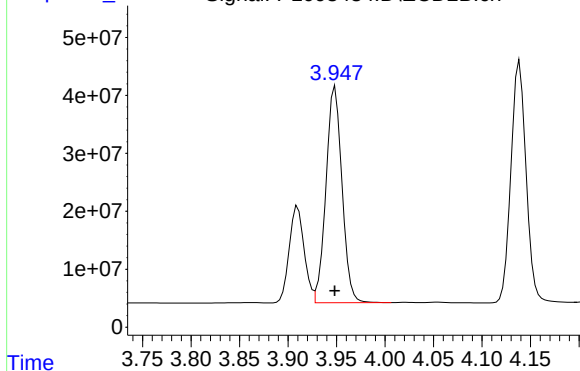
R.T.: 4.918 min
Delta R.T.: 0.000 min
Response: 274696445
Conc: 98.03 ng/ml

Time

Response_

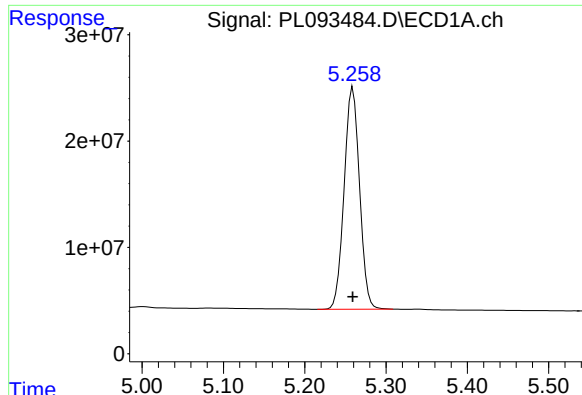
Signal: PL093484.D\ECD2B.ch

#4 Heptachlor



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

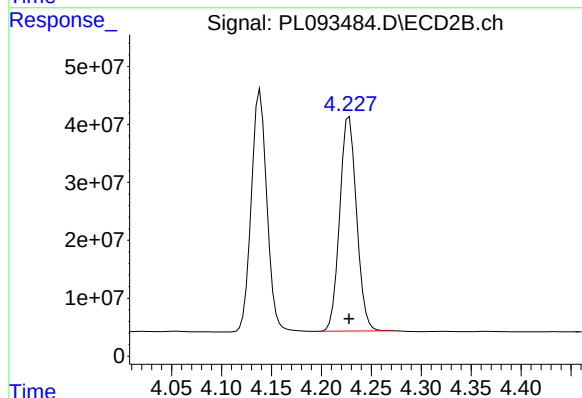
Time



#5 Aldrin

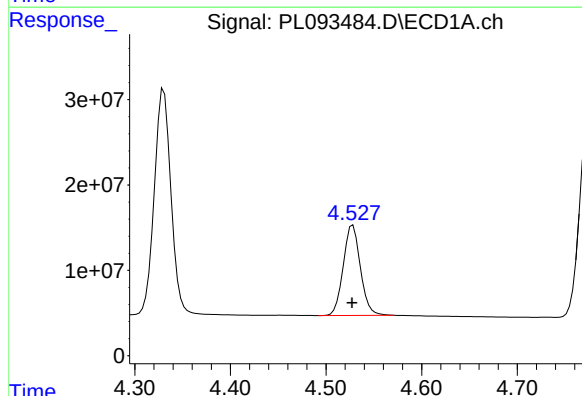
R.T.: 5.259 min
Delta R.T.: 0.000 min
Response: 273947545
Conc: 98.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



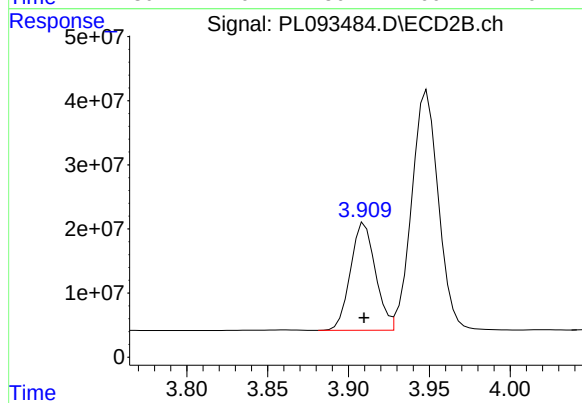
#5 Aldrin

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



#6 beta-BHC

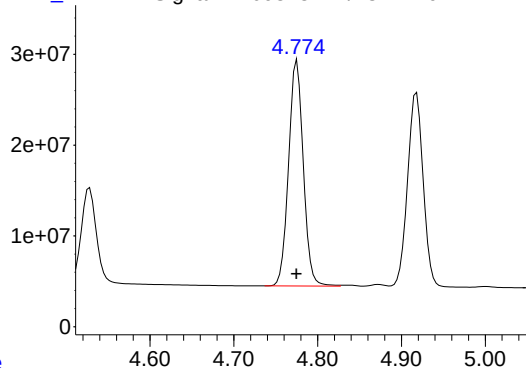
R.T.: 4.528 min
Delta R.T.: 0.000 min
Response: 132162427
Conc: 95.85 ng/ml



#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

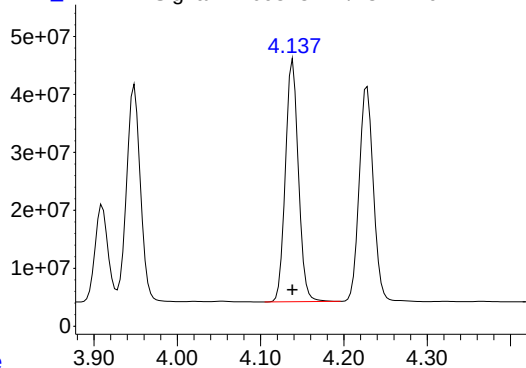


#7 delta-BHC

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

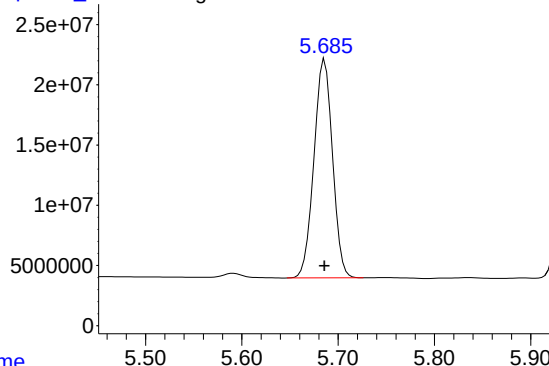
Time Response_ Signal: PL093484.D\ECD2B.ch



#7 delta-BHC

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

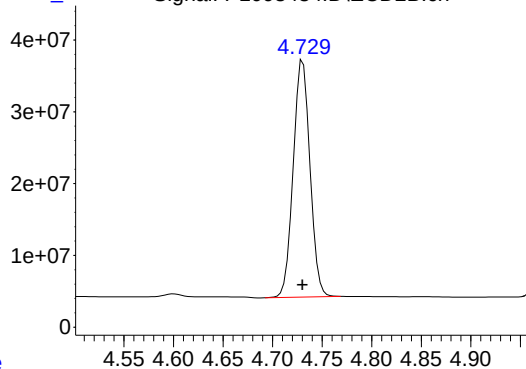
Time Response_ Signal: PL093484.D\ECD1A.ch



#8 Heptachlor epoxide

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

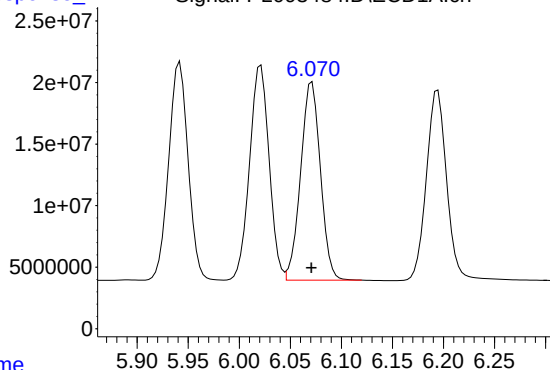
Time Response_ Signal: PL093484.D\ECD2B.ch



#8 Heptachlor epoxide

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

Response_ Signal: PL093484.D\ECD1A.ch

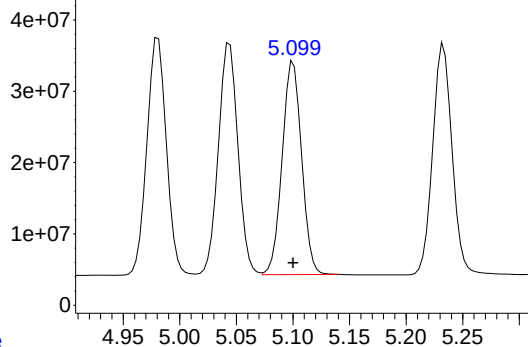


#9 Endosulfan I

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

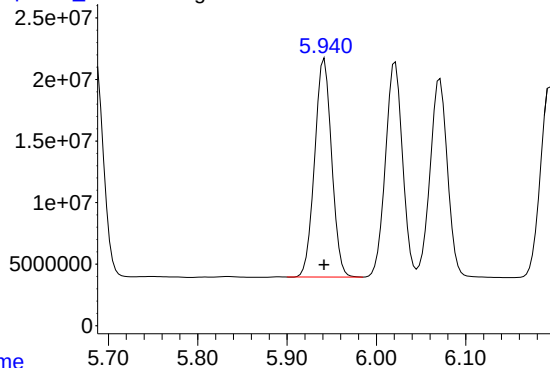
Time Response_ Signal: PL093484.D\ECD2B.ch



#9 Endosulfan I

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

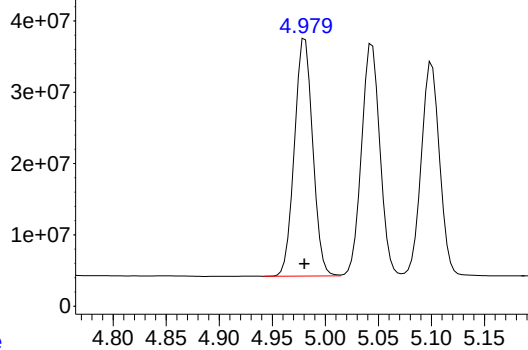
Time Response_ Signal: PL093484.D\ECD1A.ch



#10 gamma-Chlordane

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

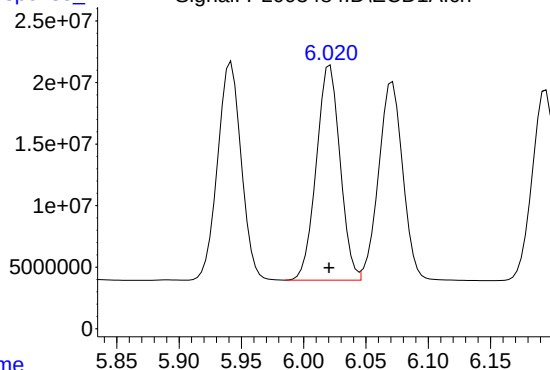
Time Response_ Signal: PL093484.D\ECD2B.ch



#10 gamma-Chlordane

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

Response_ Signal: PL093484.D\ECD1A.ch

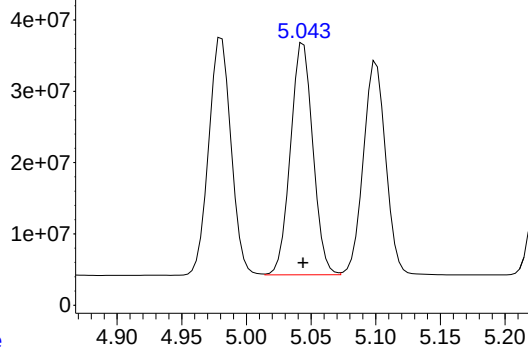


#11 alpha-Chlordane

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

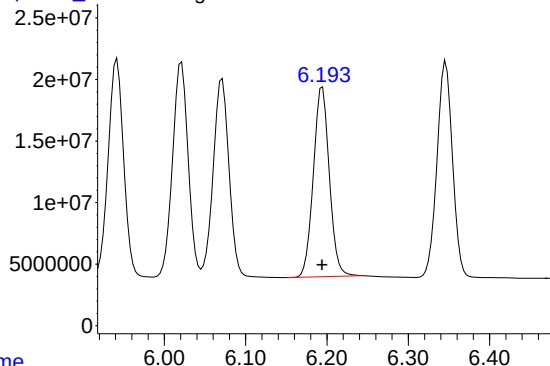
Time Response_ Signal: PL093484.D\ECD2B.ch



#11 alpha-Chlordane

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

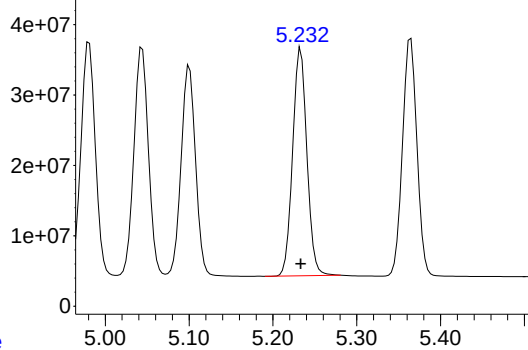
Time Response_ Signal: PL093484.D\ECD1A.ch



#12 4,4'-DDE

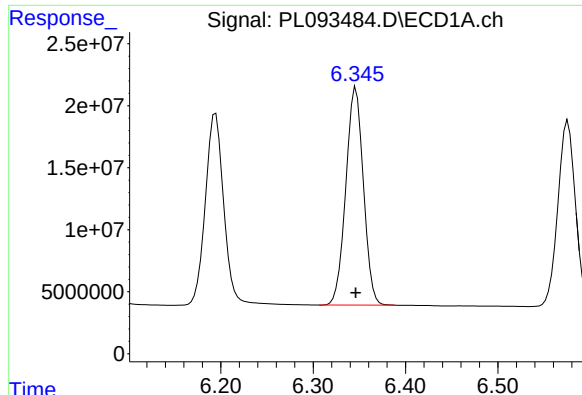
R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 209771527
Conc: 97.89 ng/ml

Time Response_ Signal: PL093484.D\ECD2B.ch



#12 4,4'-DDE

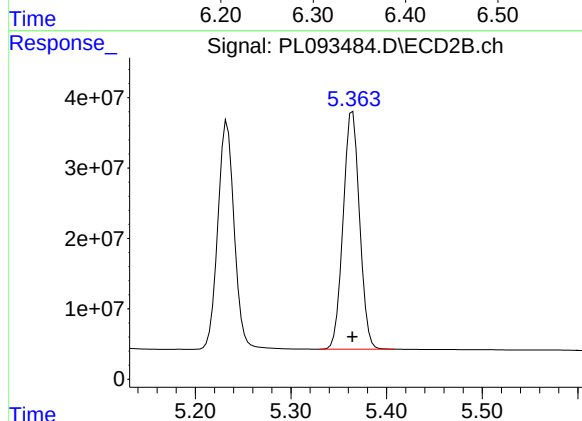
R.T.: 5.233 min
Delta R.T.: 0.000 min
Response: 383265256
Conc: 104.82 ng/ml



#13 Dieldrin

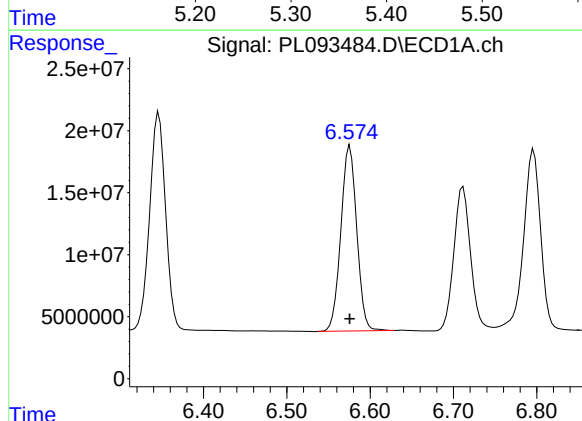
R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 232362652
Conc: 97.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



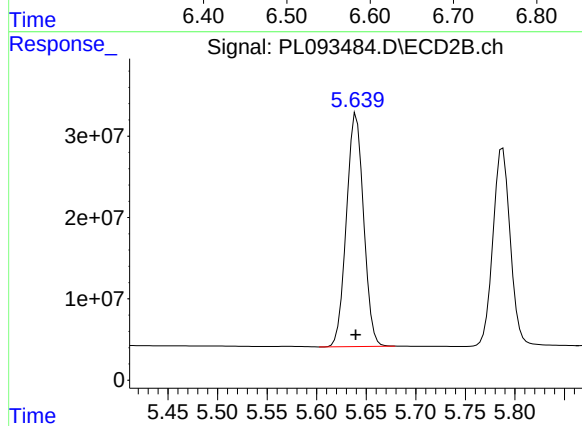
#13 Dieldrin

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



#14 Endrin

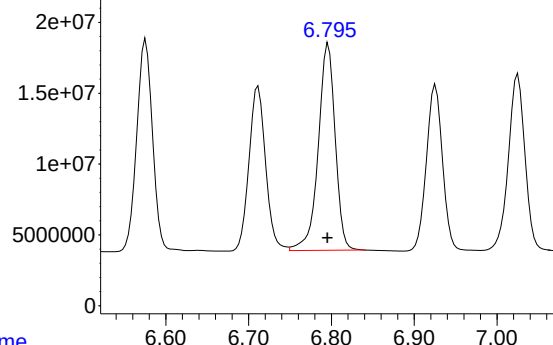
R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 198060599
Conc: 96.77 ng/ml



#14 Endrin

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

Response_ Signal: PL093484.D\ECD1A.ch

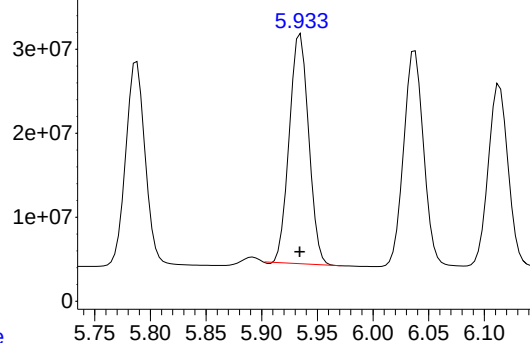


#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

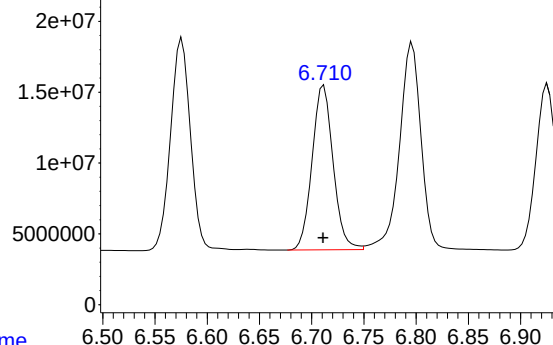
Time Response_ Signal: PL093484.D\ECD2B.ch



#15 Endosulfan II

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

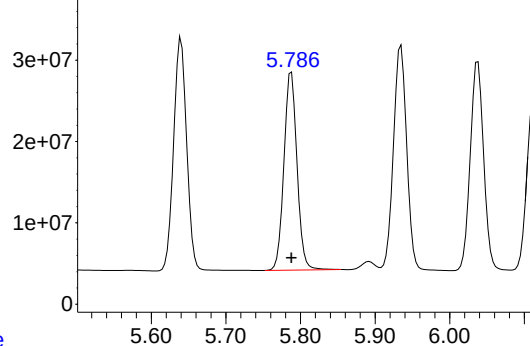
Time Response_ Signal: PL093484.D\ECD1A.ch



#16 4,4'-DDD

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

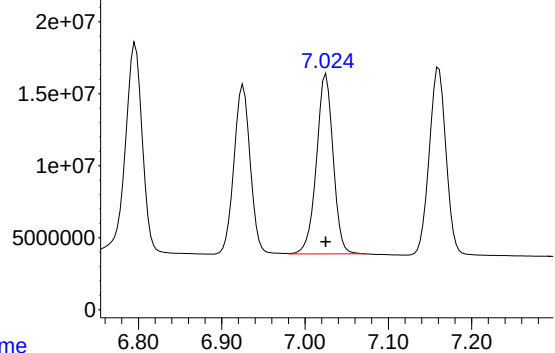
Time Response_ Signal: PL093484.D\ECD2B.ch



#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

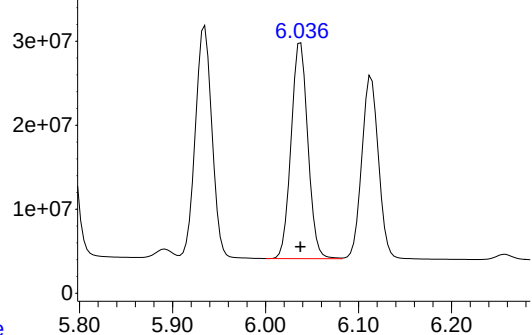


#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

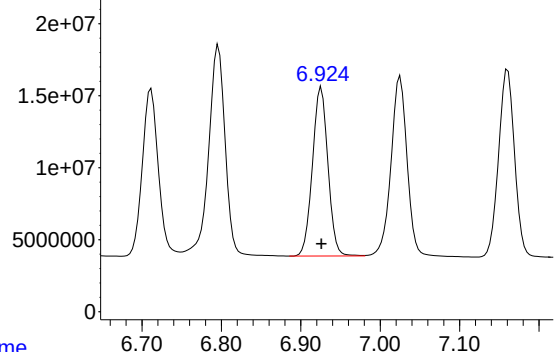
Time Response_ Signal: PL093484.D\ECD2B.ch



#17 4,4'-DDT

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

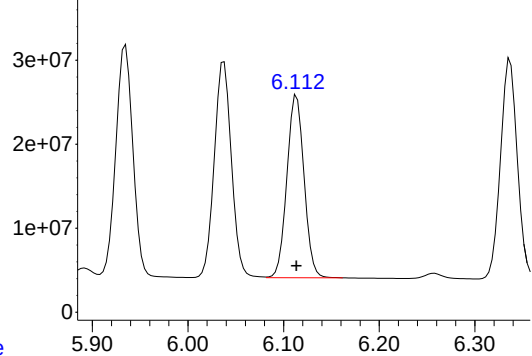
Time Response_ Signal: PL093484.D\ECD1A.ch



#18 Endrin aldehyde

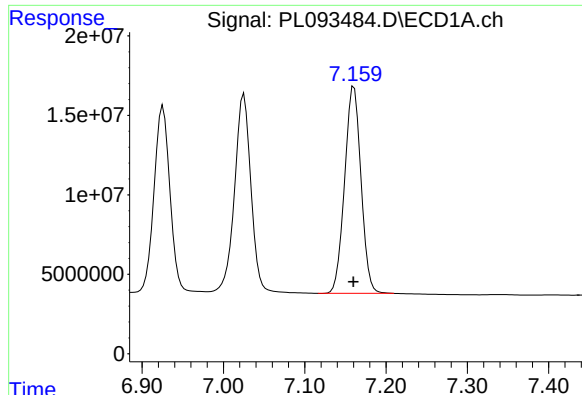
R.T.: 6.926 min
Delta R.T.: 0.000 min
Response: 159058053
Conc: 94.70 ng/ml

Time Response_ Signal: PL093484.D\ECD2B.ch



#18 Endrin aldehyde

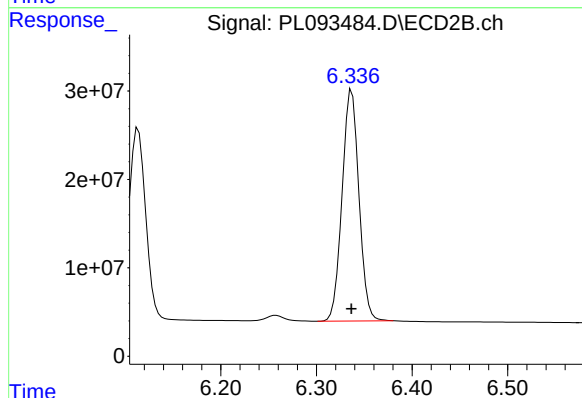
R.T.: 6.114 min
Delta R.T.: 0.000 min
Response: 270787057
Conc: 101.98 ng/ml



#19 Endosulfan Sulfate

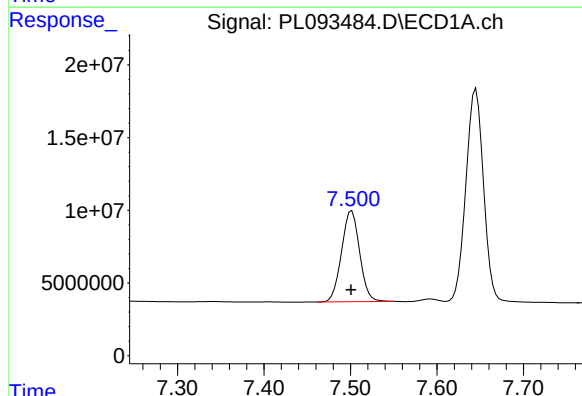
R.T.: 7.161 min
Delta R.T.: 0.000 min
Response: 181916641
Conc: 94.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



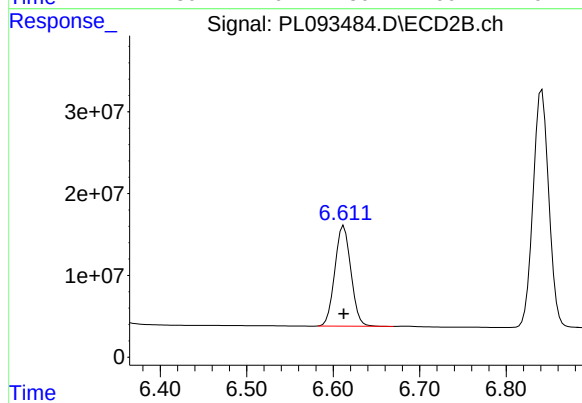
#19 Endosulfan Sulfate

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



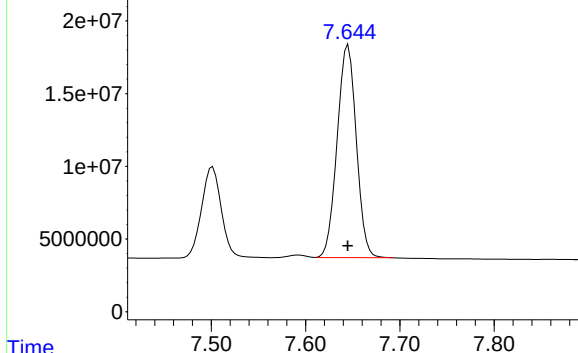
#20 Methoxychlor

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



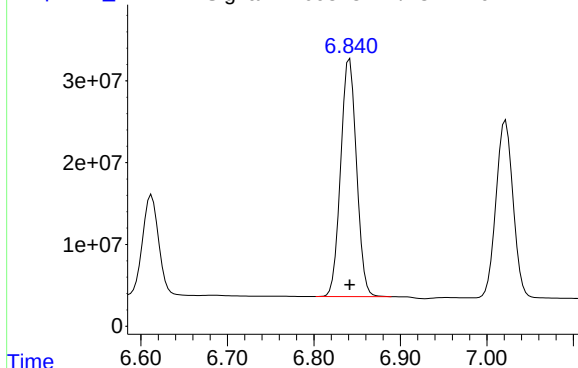
#20 Methoxychlor

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

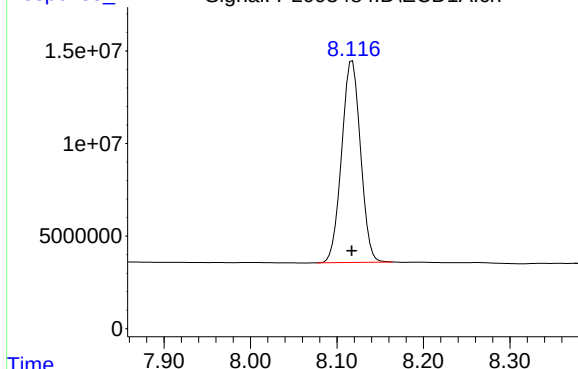


R.T.: 7.645 min
Delta R.T.: 0.000 min
Response: 206369767
Conc: 97.00 ng/ml

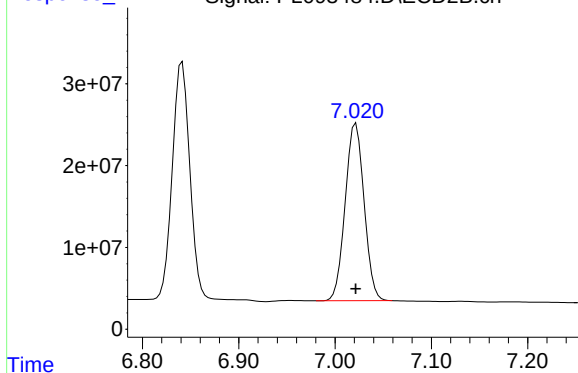
Instrument :
ECD_L
ClientSampleId :
PSTDICC100



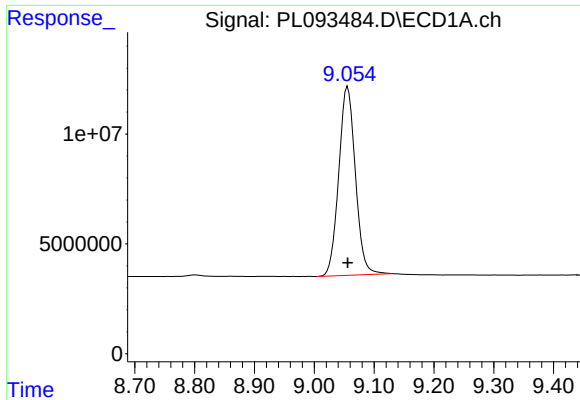
R.T.: 6.841 min
Delta R.T.: 0.000 min
Response: 368065811
Conc: 101.72 ng/ml



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



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



#28 Decachlorobiphenyl

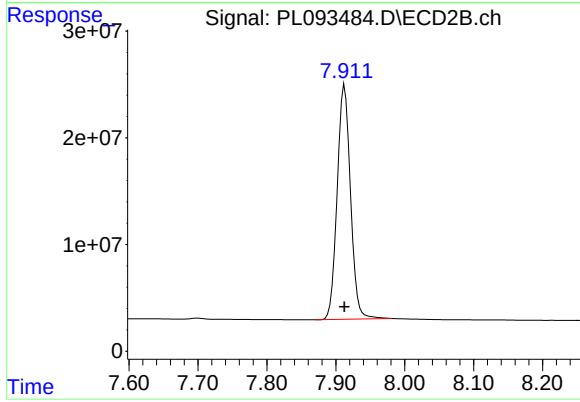
R.T.: 9.056 min

Delta R.T.: 0.000 min

Response: 166126176

Conc: 93.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



#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

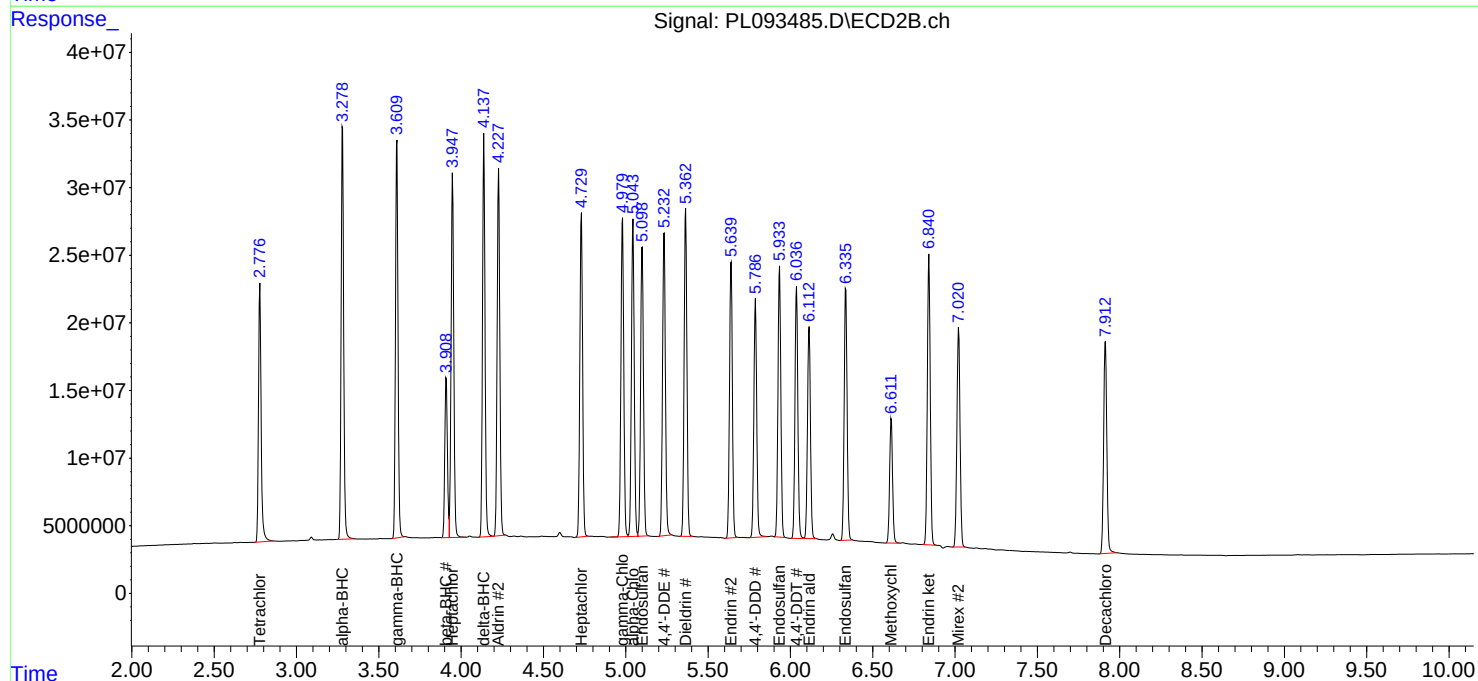
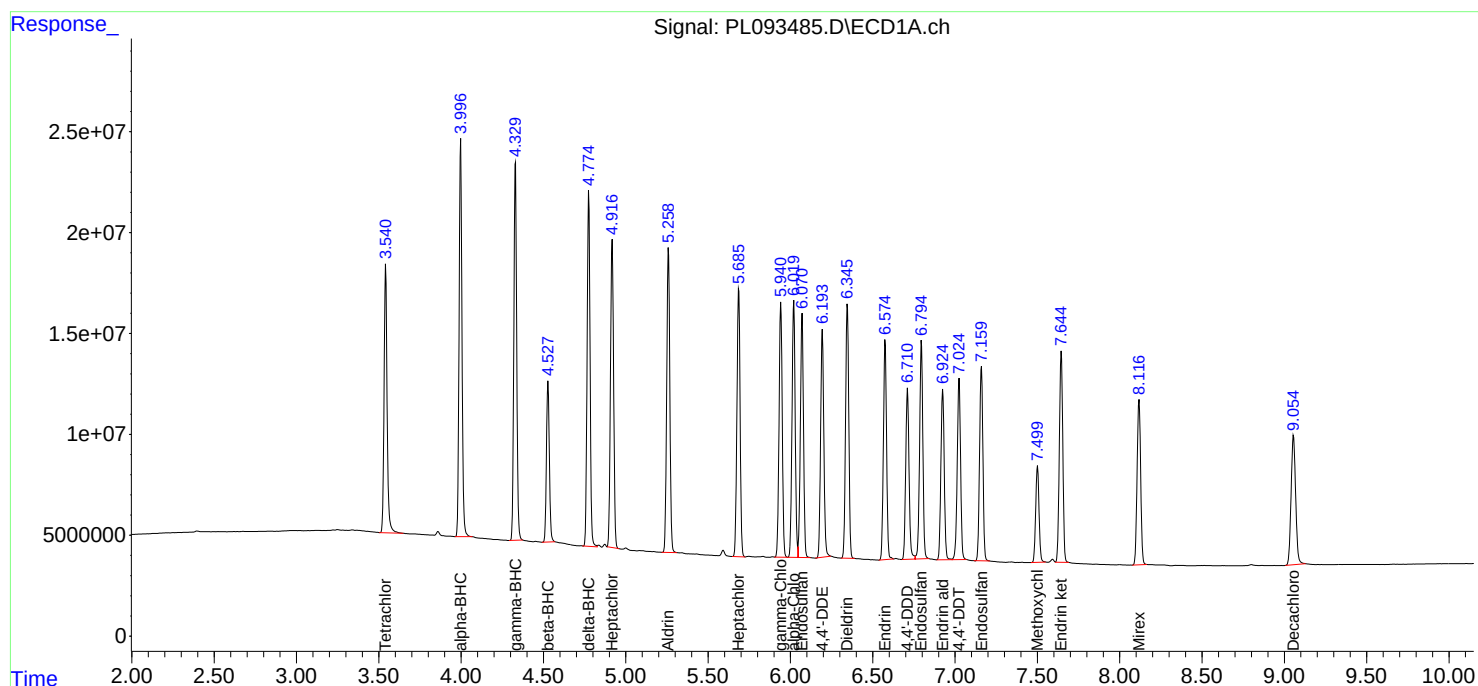
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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



Response_ 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

Time

Response_ 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

Time

Response_ 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

Time

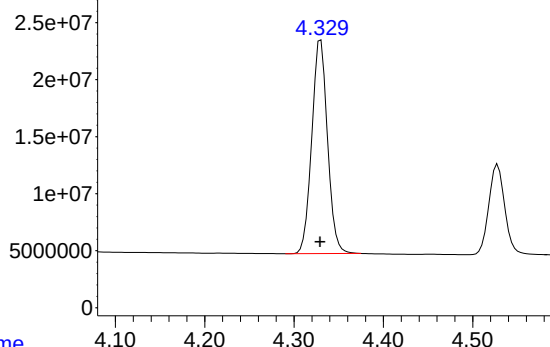
Response_ Signal: PL093485.D\ECD2B.ch

#2 alpha-BHC

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

Time

Response_ Signal: PL093485.D\ECD1A.ch

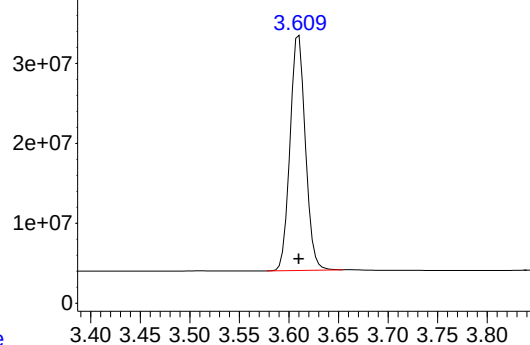


#3 gamma-BHC (Lindane)

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

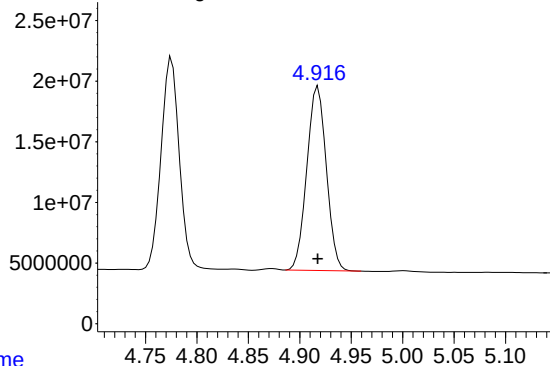
Time Response_ Signal: PL093485.D\ECD2B.ch



#3 gamma-BHC (Lindane)

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

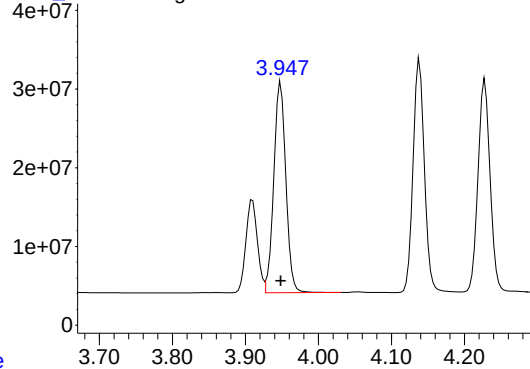
Time Response_ Signal: PL093485.D\ECD1A.ch



#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

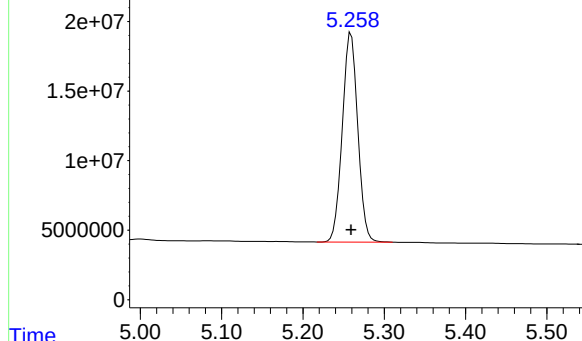
R.T.: 3.948 min
Delta R.T.: 0.000 min
Response: 307331660
Conc: 73.89 ng/ml

Response_ Signal: PL093485.D\ECD1A.ch

#5 Aldrin

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

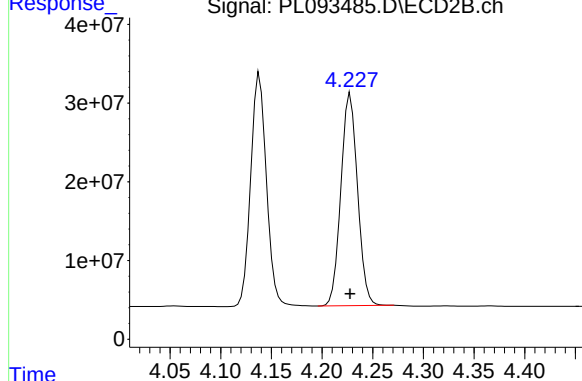
Instrument :
ECD_L
ClientSampleId :
PSTDICC075



Time Response_ Signal: PL093485.D\ECD2B.ch

#5 Aldrin

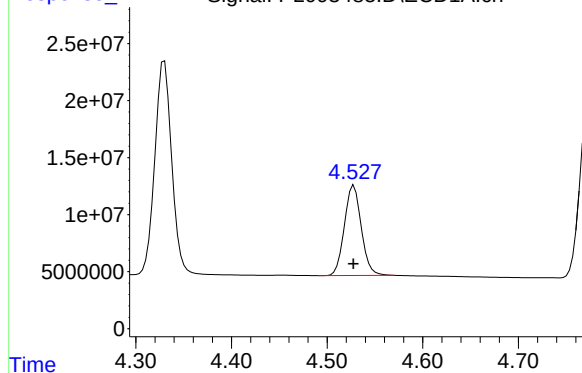
R.T.: 4.228 min
Delta R.T.: 0.000 min
Response: 307973678
Conc: 74.83 ng/ml



Time Response_ Signal: PL093485.D\ECD1A.ch

#6 beta-BHC

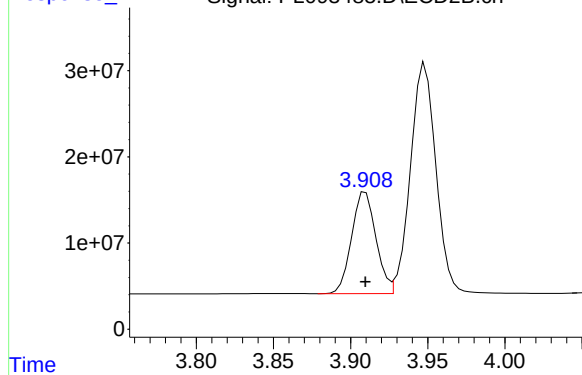
R.T.: 4.528 min
Delta R.T.: 0.000 min
Response: 97398960
Conc: 70.64 ng/ml

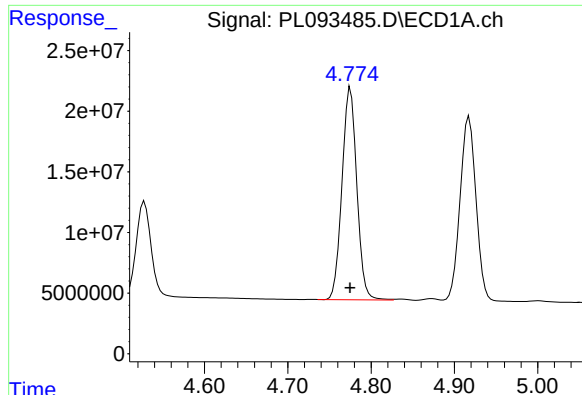


Time Response_ Signal: PL093485.D\ECD2B.ch

#6 beta-BHC

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

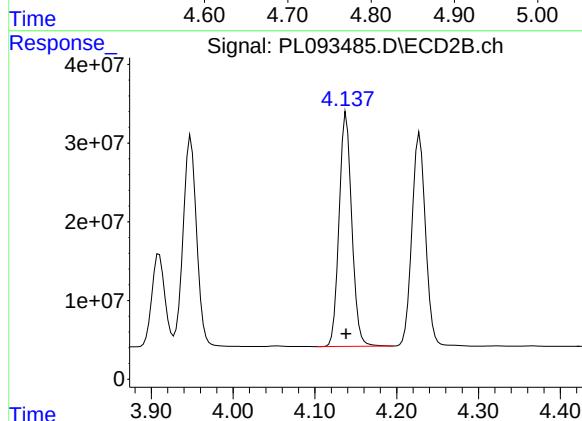




#7 delta-BHC

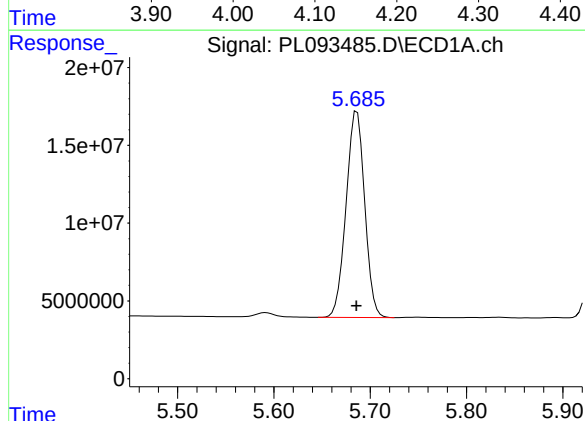
R.T.: 4.775 min
Delta R.T.: 0.000 min
Response: 216435405
Conc: 72.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



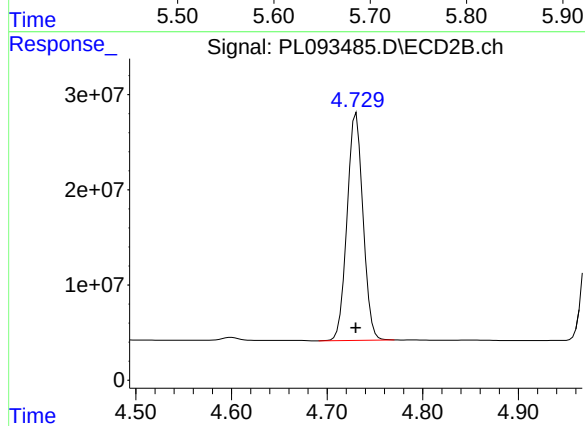
#7 delta-BHC

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



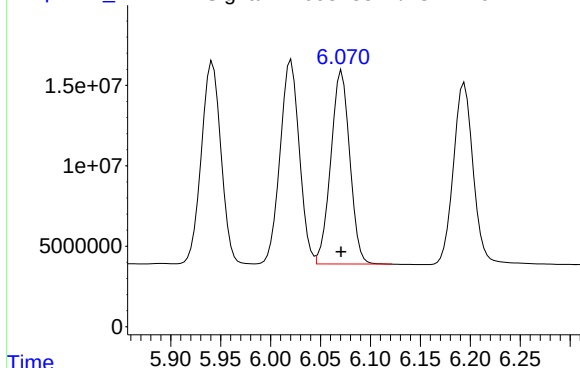
#8 Heptachlor epoxide

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



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

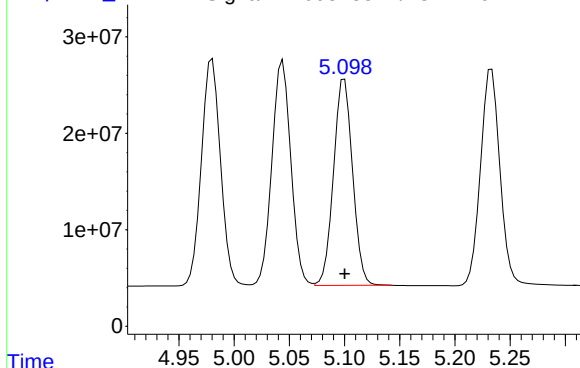
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PL093485.D\ECD2B.ch

#9 Endosulfan I



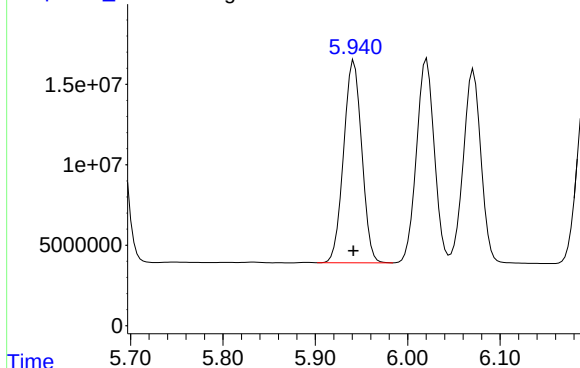
R.T.: 5.100 min
Delta R.T.: 0.000 min
Response: 257101991
Conc: 74.31 ng/ml

Time

Response_

Signal: PL093485.D\ECD1A.ch

#10 gamma-Chlordane



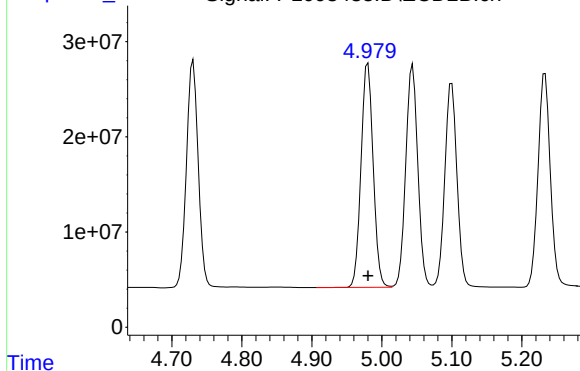
R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 171088078
Conc: 71.19 ng/ml

Time

Response_

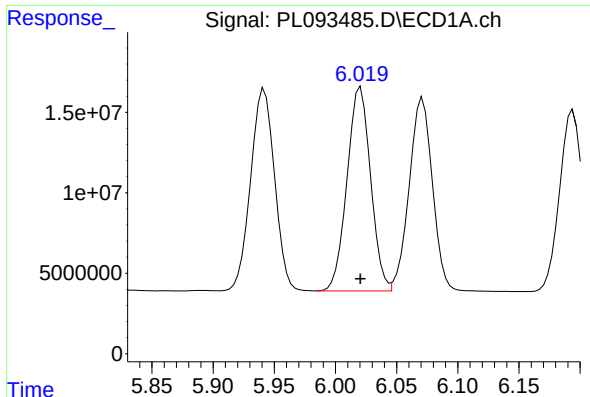
Signal: PL093485.D\ECD2B.ch

#10 gamma-Chlordane



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

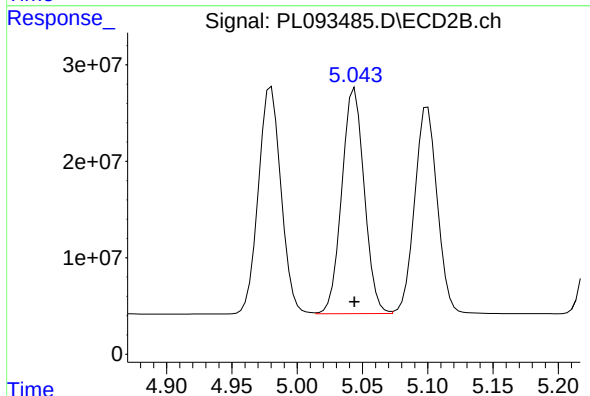
Time



#11 alpha-Chlordane

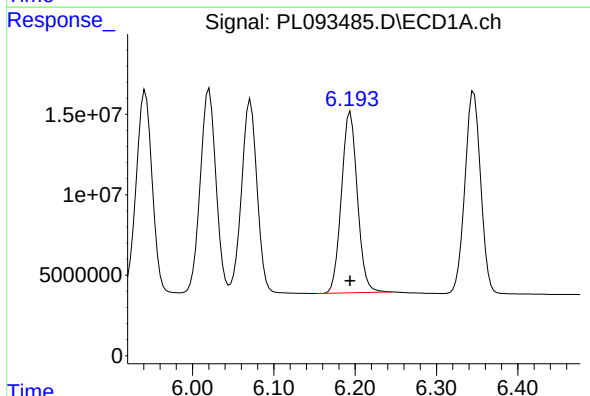
R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 169868686
Conc: 71.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



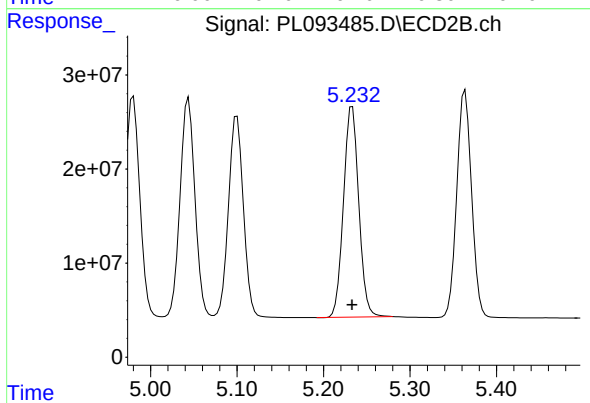
#11 alpha-Chlordane

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



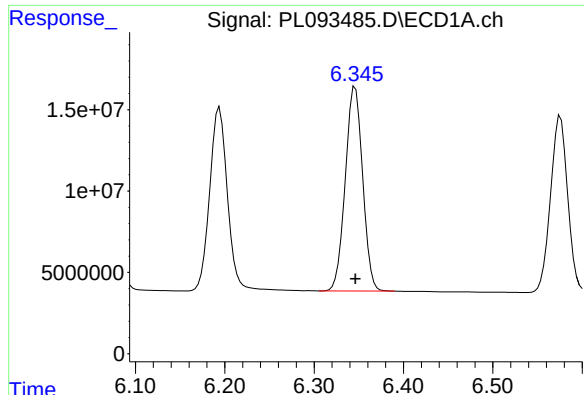
#12 4,4'-DDE

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



#12 4,4'-DDE

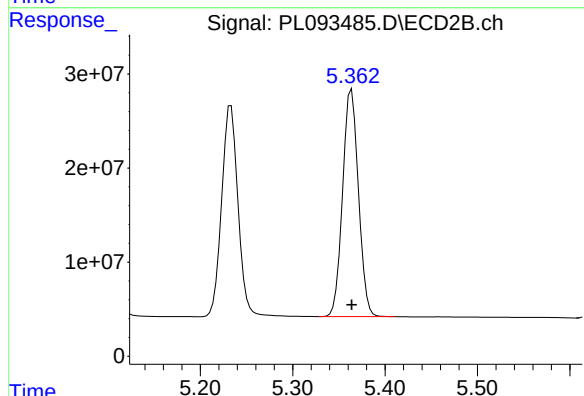
R.T.: 5.233 min
Delta R.T.: 0.000 min
Response: 272956605
Conc: 74.65 ng/ml



#13 Dieldrin

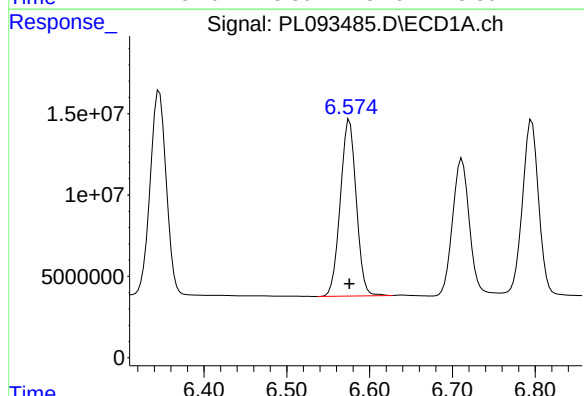
R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 169489979
Conc: 71.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



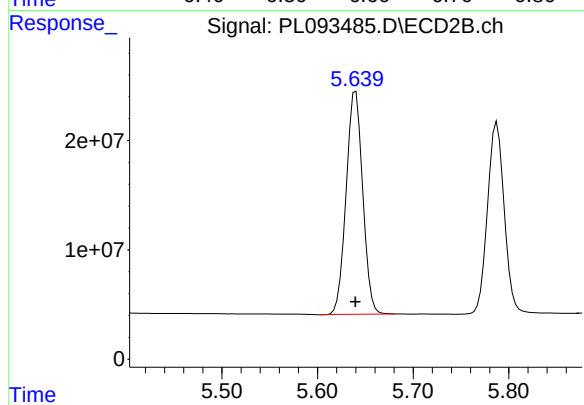
#13 Dieldrin

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



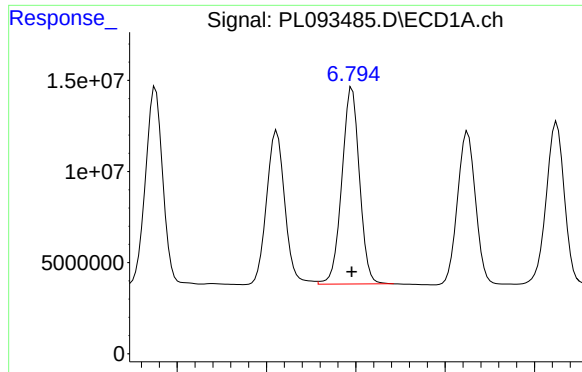
#14 Endrin

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



#14 Endrin

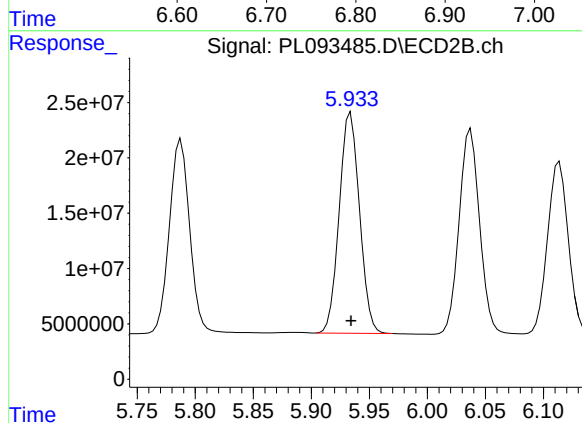
R.T.: 5.640 min
Delta R.T.: 0.000 min
Response: 246620259
Conc: 74.39 ng/ml



#15 Endosulfan II

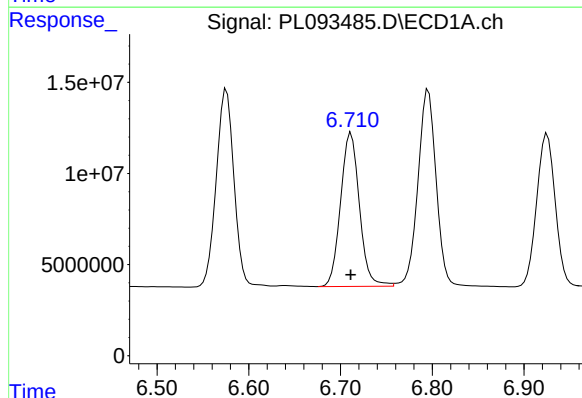
R.T.: 6.796 min
Delta R.T.: 0.000 min
Response: 147596172
Conc: 70.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



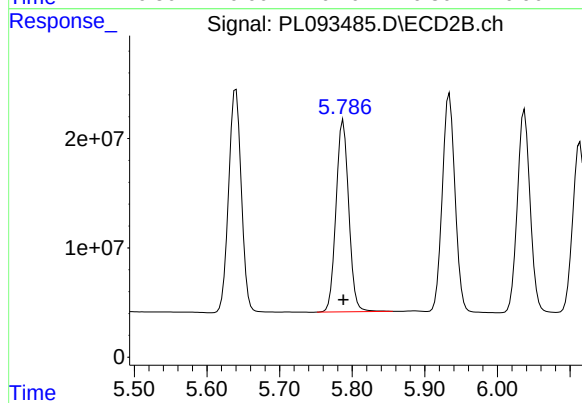
#15 Endosulfan II

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



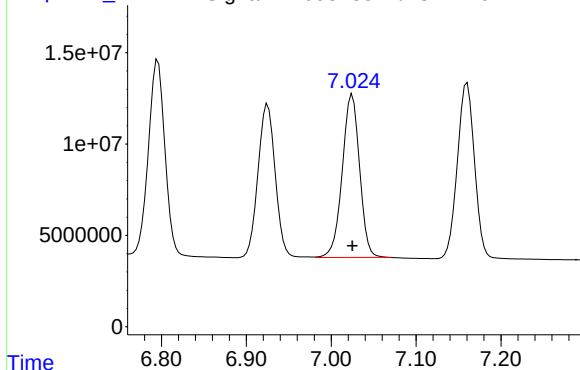
#16 4,4'-DDD

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



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

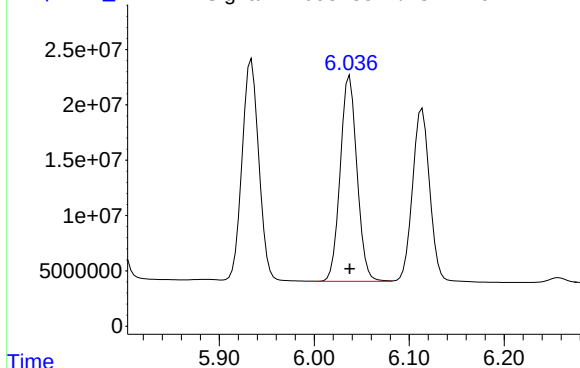
Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Time

Response_

Signal: PL093485.D\ECD2B.ch

#17 4,4'-DDT



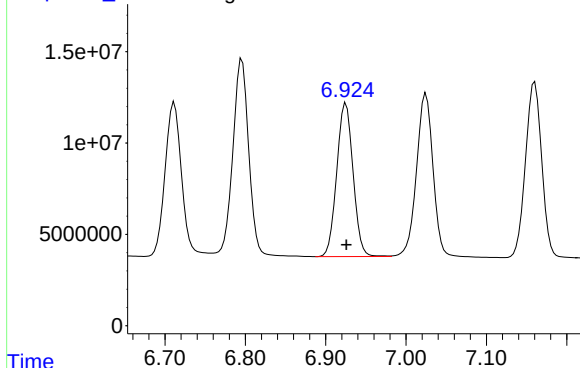
R.T.: 6.037 min
Delta R.T.: 0.000 min
Response: 228136490
Conc: 75.05 ng/ml

Time

Response_

Signal: PL093485.D\ECD1A.ch

#18 Endrin aldehyde



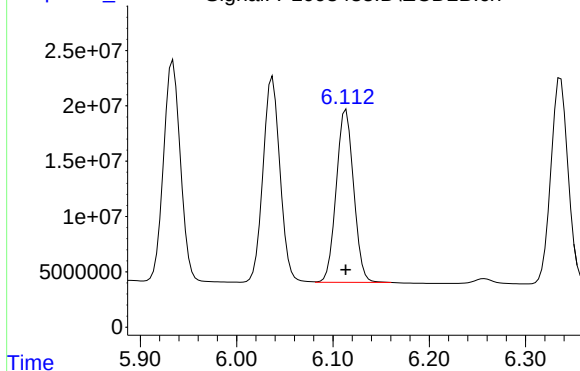
R.T.: 6.925 min
Delta R.T.: 0.000 min
Response: 118748998
Conc: 70.70 ng/ml

Time

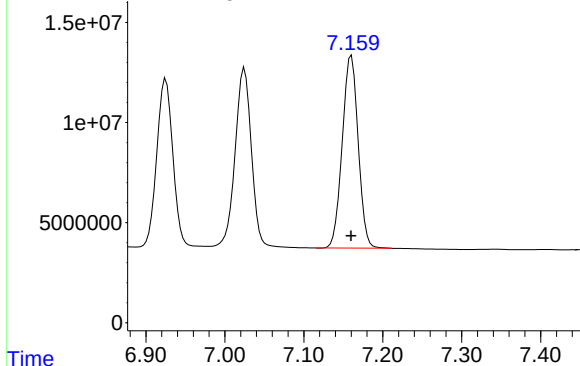
Response_

Signal: PL093485.D\ECD2B.ch

#18 Endrin aldehyde

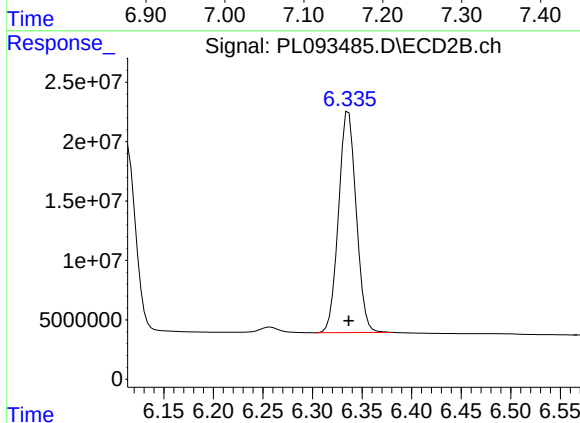


R.T.: 6.114 min
Delta R.T.: 0.000 min
Response: 195810731
Conc: 73.74 ng/ml

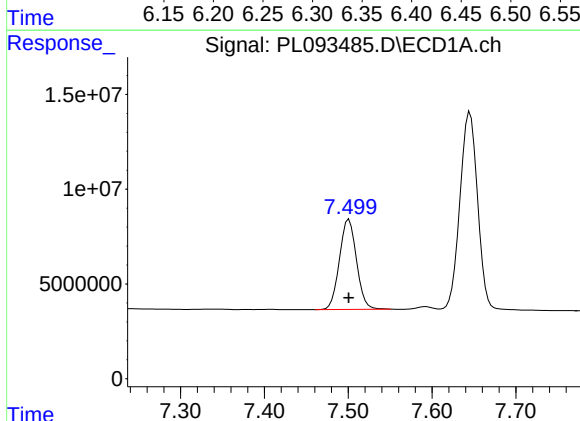


R.T.: 7.160 min
Delta R.T.: 0.000 min
Response: 134701031
Conc: 70.18 ng/ml

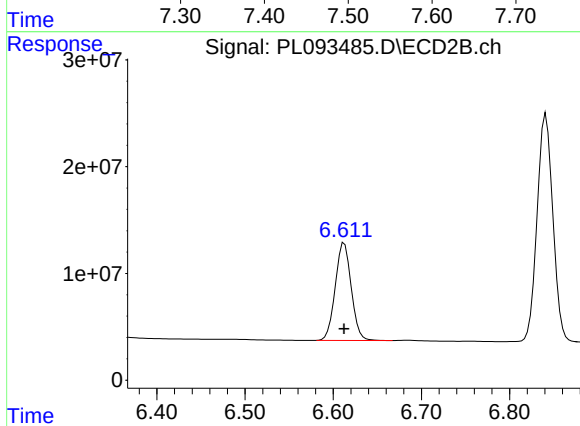
Instrument :
ECD_L
ClientSampleId :
PSTDICC075



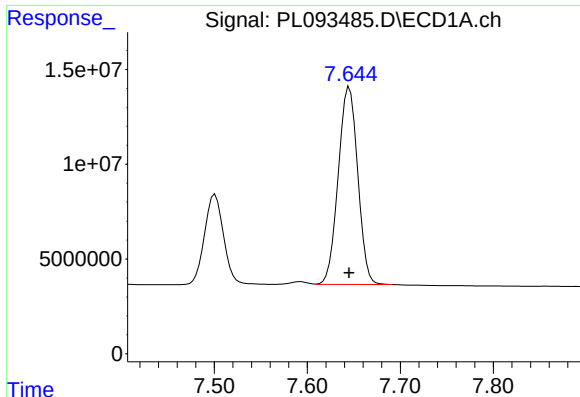
#19 Endosulfan Sulfate
R.T.: 6.336 min
Delta R.T.: 0.000 min
Response: 230700558
Conc: 74.10 ng/ml



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



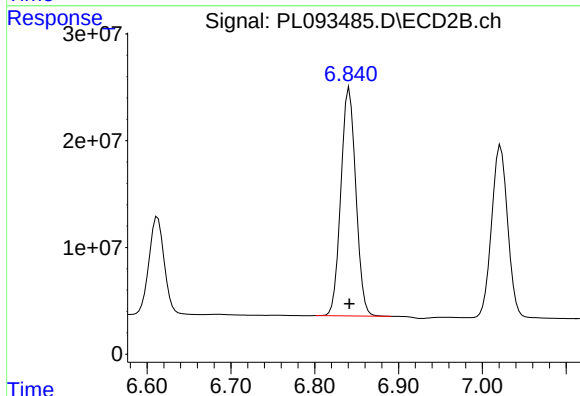
#20 Methoxychlor
R.T.: 6.613 min
Delta R.T.: 0.000 min
Response: 115403373
Conc: 72.59 ng/ml



#21 Endrin ketone

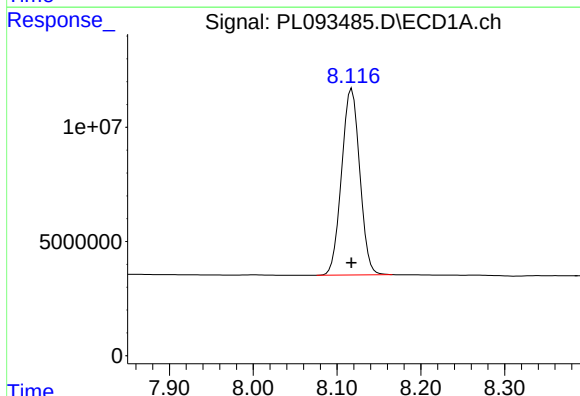
R.T.: 7.645 min
Delta R.T.: 0.000 min
Response: 151910252
Conc: 71.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



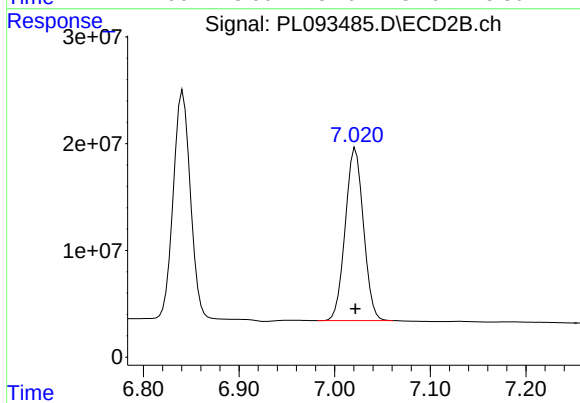
#21 Endrin ketone

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

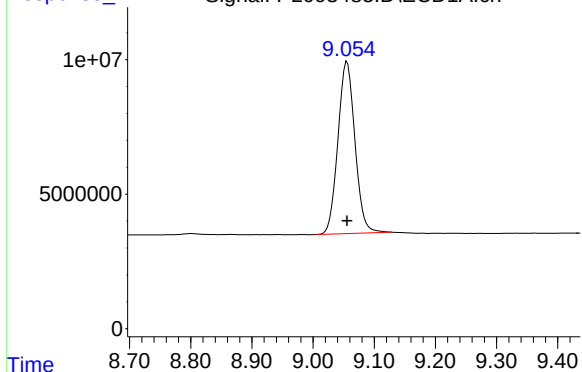
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 214738698
Conc: 72.63 ng/ml

Response_

Signal: PL093485.D\ECD1A.ch

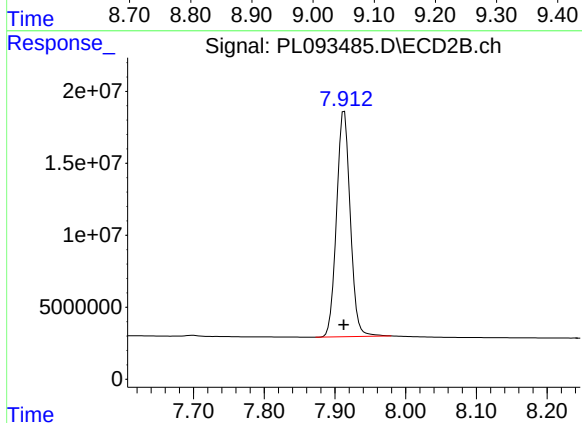
#28 Decachlorobiphenyl

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



#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

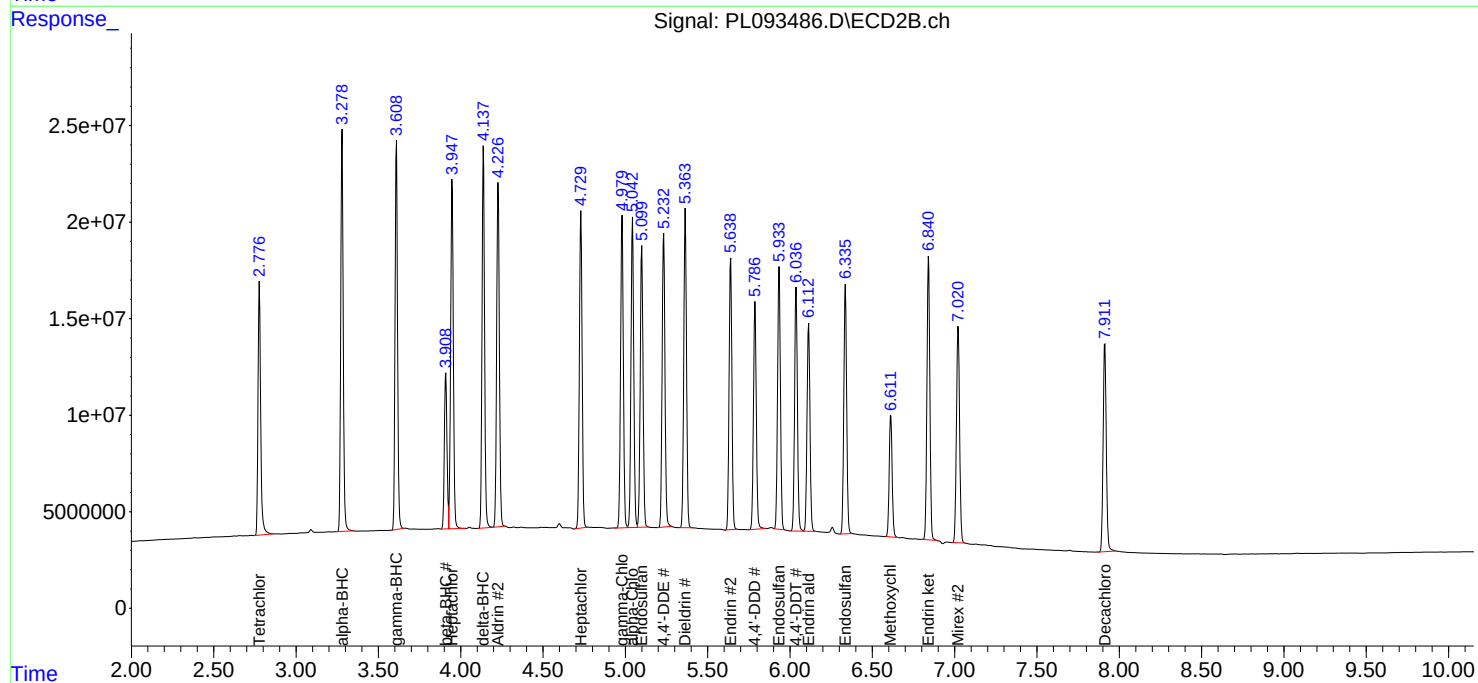
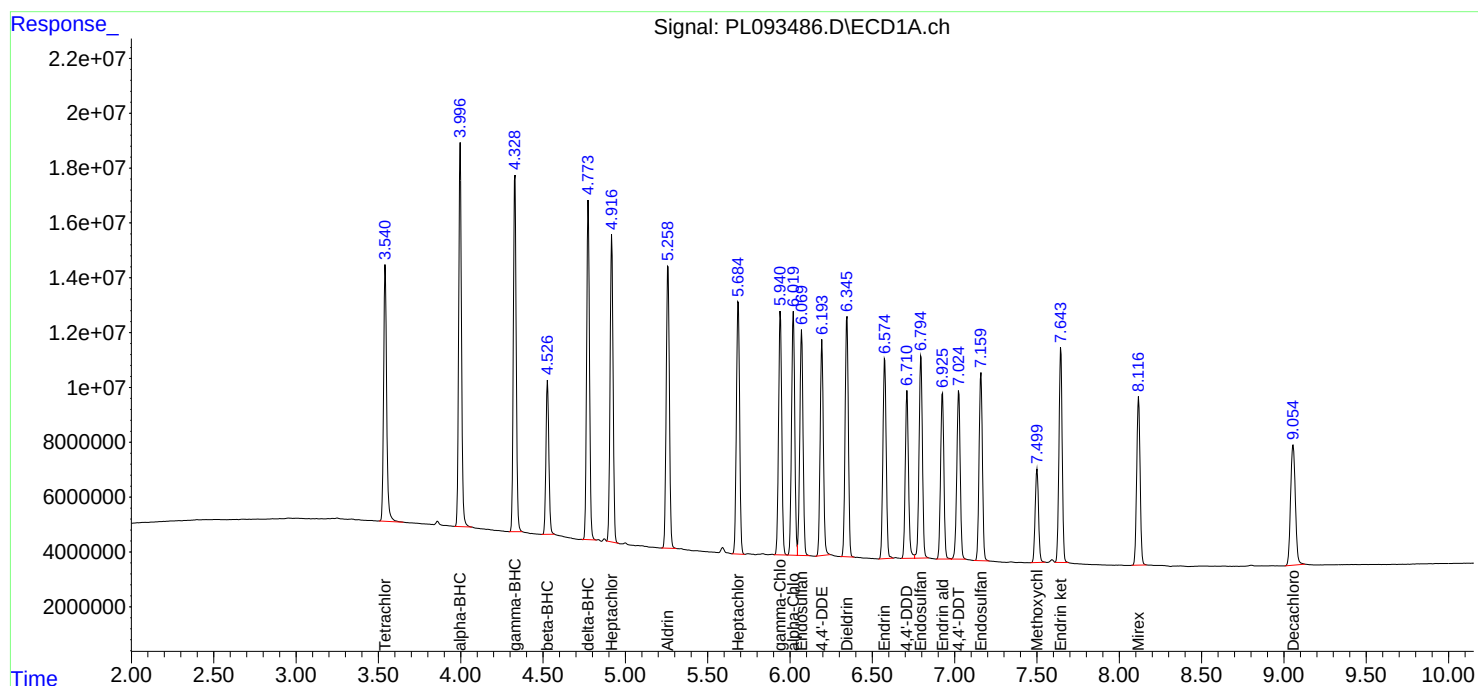
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

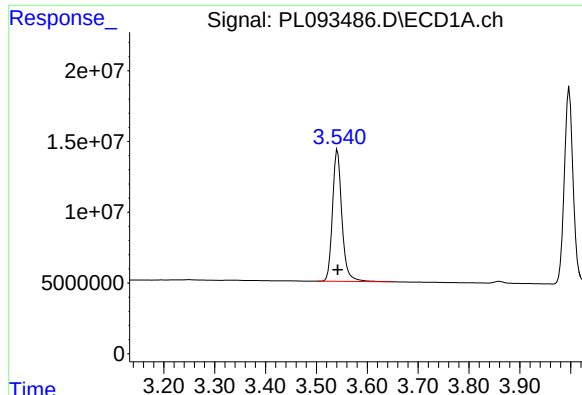
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
Data File : PL093486.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Dec 2024 13:42
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

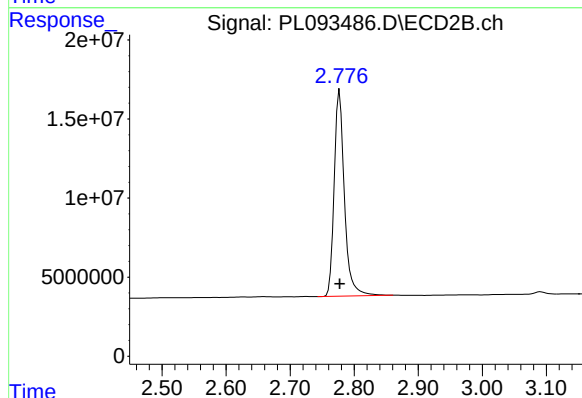




#1 Tetrachloro-m-xylene

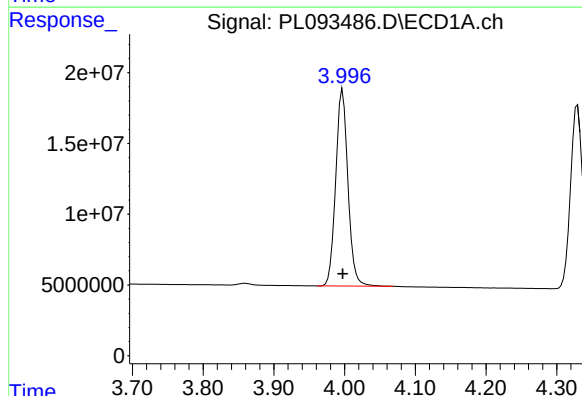
R.T.: 3.542 min
Delta R.T.: 0.000 min
Response: 119576061
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



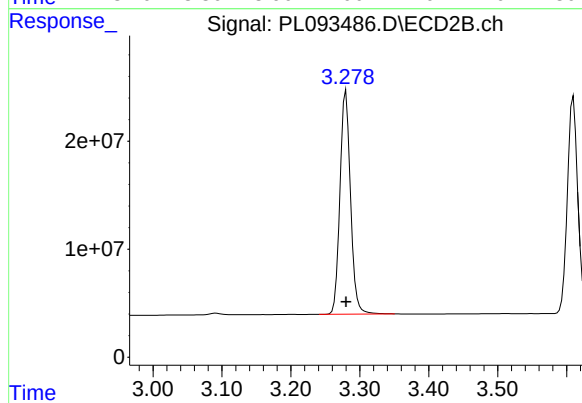
#1 Tetrachloro-m-xylene

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

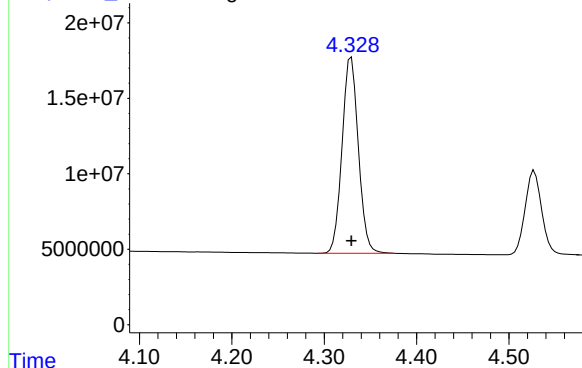
R.T.: 3.280 min
Delta R.T.: 0.000 min
Response: 220291663
Conc: 50.00 ng/ml

Response_ Signal: PL093486.D\ECD1A.ch

#3 gamma-BHC (Lindane)

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

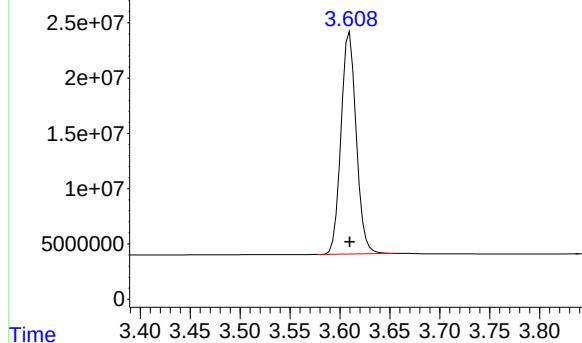
Instrument :
ECD_L
ClientSampleId :
PSTDICC050



Response_ Signal: PL093486.D\ECD2B.ch

#3 gamma-BHC (Lindane)

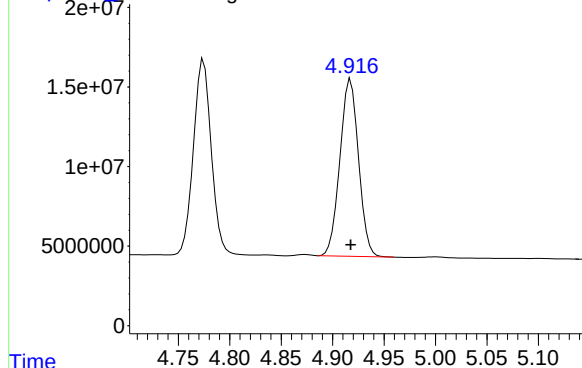
R.T.: 3.610 min
Delta R.T.: 0.000 min
Response: 213023392
Conc: 50.00 ng/ml



Response_ Signal: PL093486.D\ECD1A.ch

#4 Heptachlor

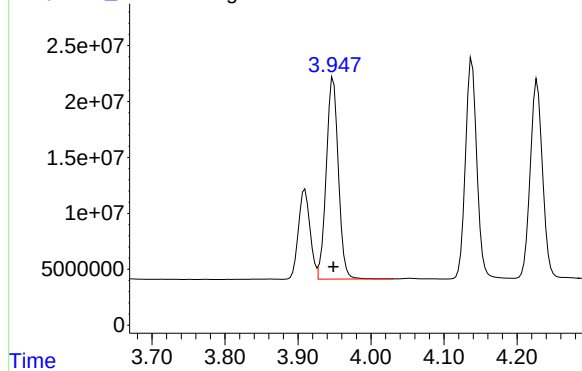
R.T.: 4.918 min
Delta R.T.: 0.000 min
Response: 140111254
Conc: 50.00 ng/ml

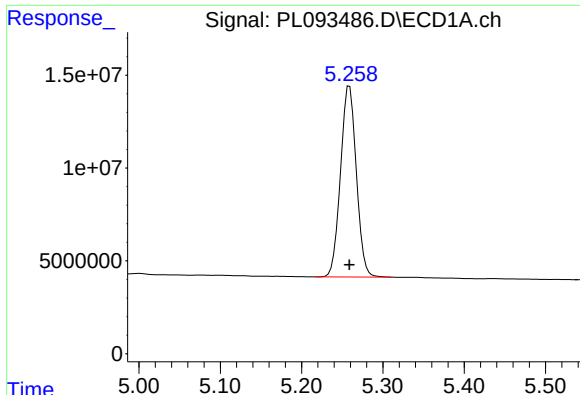


Response_ Signal: PL093486.D\ECD2B.ch

#4 Heptachlor

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

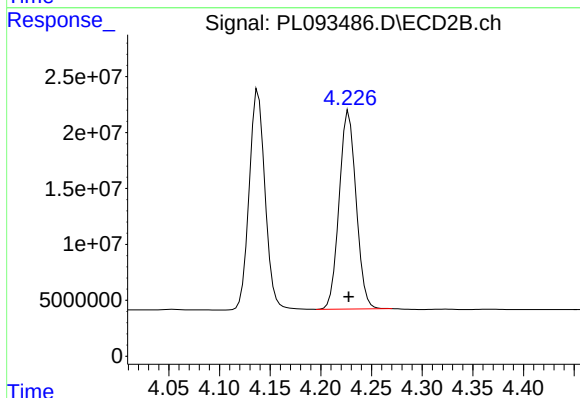




#5 Aldrin

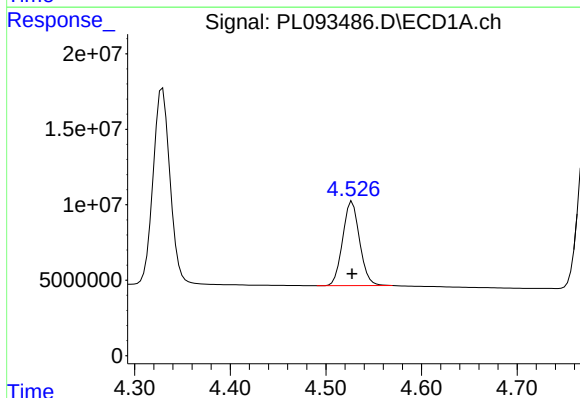
R.T.: 5.259 min
Delta R.T.: 0.000 min
Response: 138524466
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



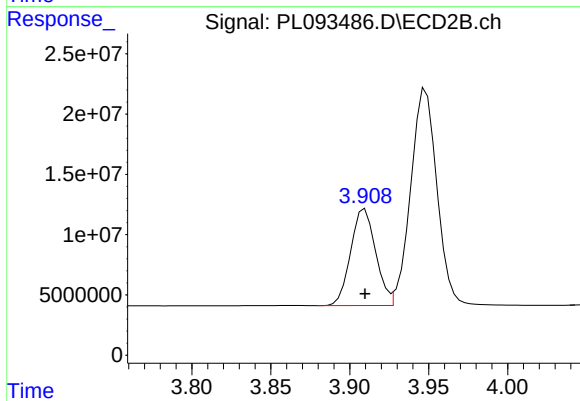
#5 Aldrin

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



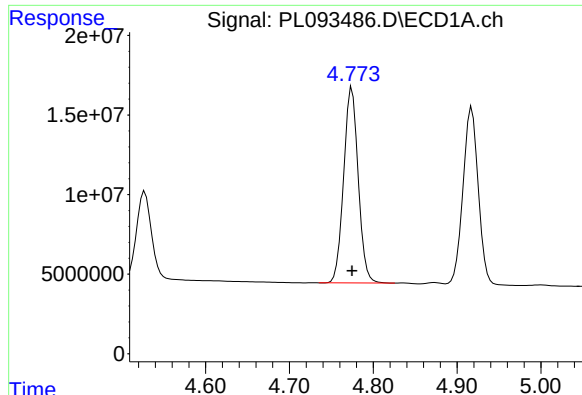
#6 beta-BHC

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



#6 beta-BHC

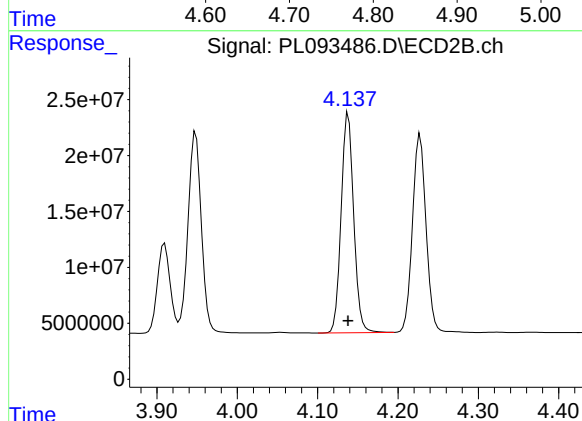
R.T.: 3.910 min
Delta R.T.: 0.000 min
Response: 88703394
Conc: 50.00 ng/ml



#7 delta-BHC

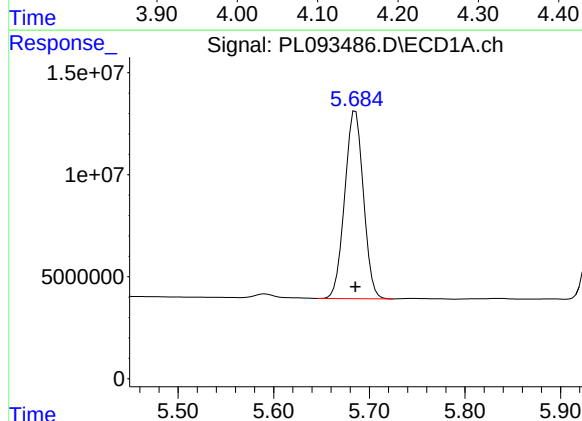
R.T.: 4.775 min
Delta R.T.: 0.000 min
Response: 148390575
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



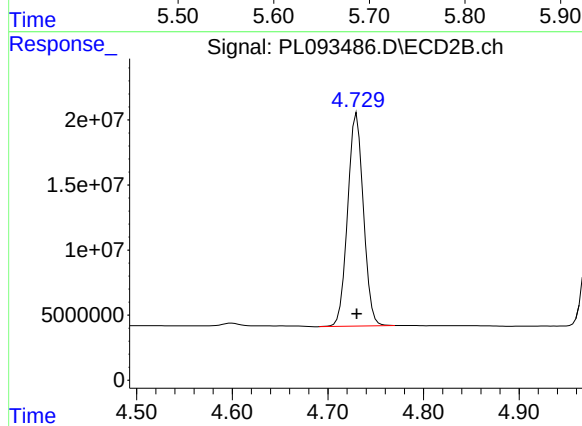
#7 delta-BHC

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



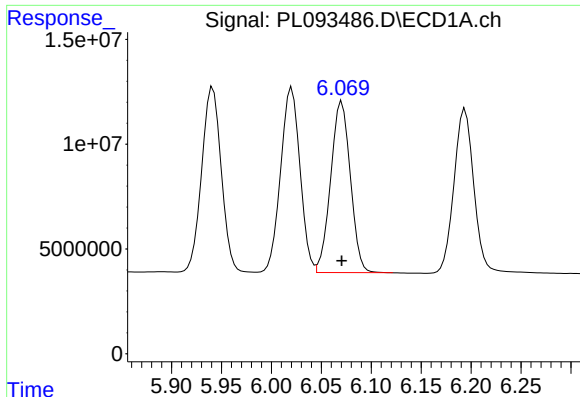
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

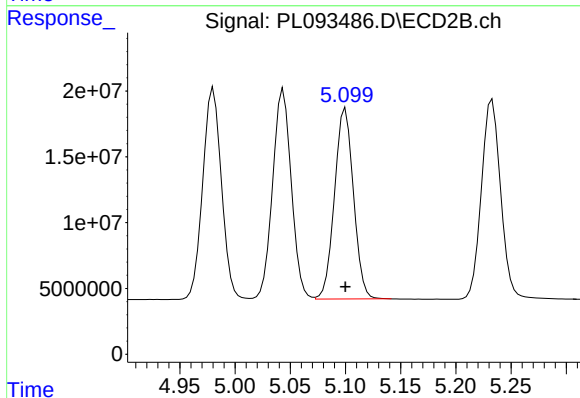
R.T.: 4.730 min
Delta R.T.: 0.000 min
Response: 187895056
Conc: 50.00 ng/ml



#9 Endosulfan I

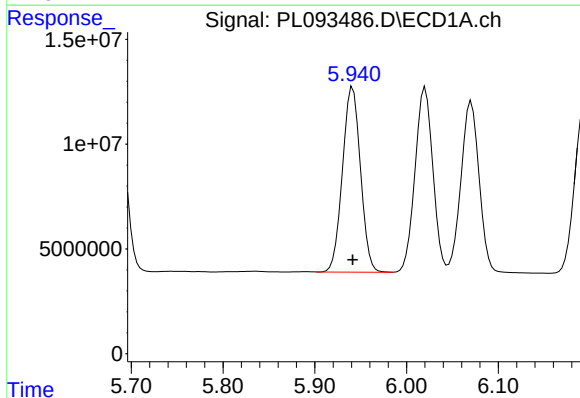
R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 112304346
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



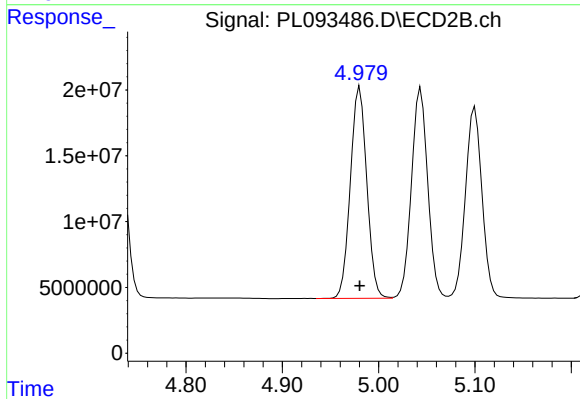
#9 Endosulfan I

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



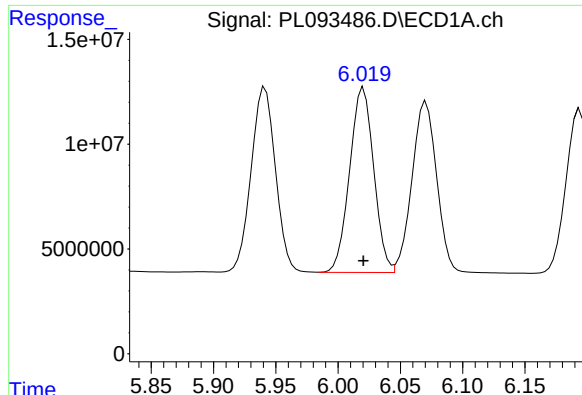
#10 gamma-Chlordane

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



#10 gamma-Chlordane

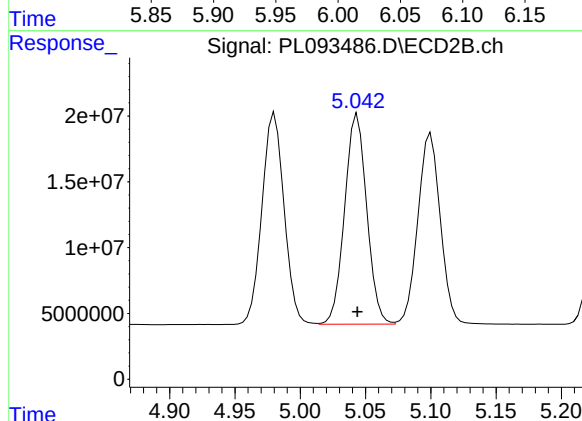
R.T.: 4.980 min
Delta R.T.: 0.000 min
Response: 189569513
Conc: 50.00 ng/ml



#11 alpha-Chlordane

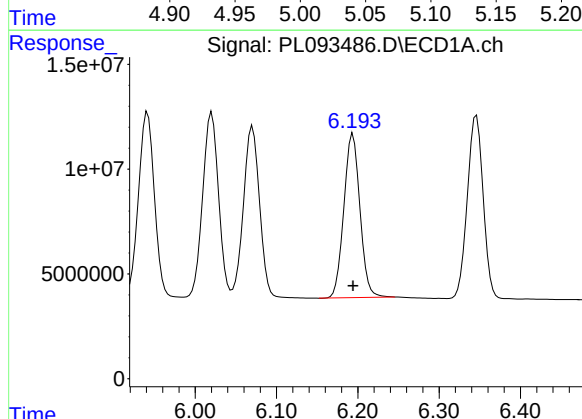
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 119223817
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



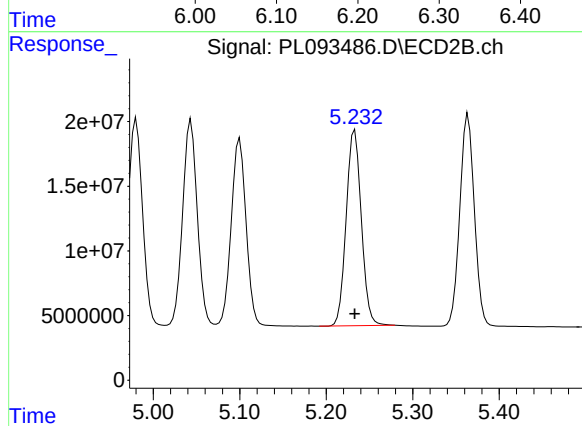
#11 alpha-Chlordane

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



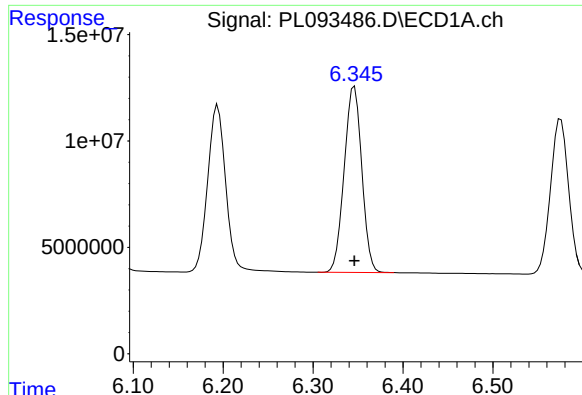
#12 4,4'-DDE

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



#12 4,4'-DDE

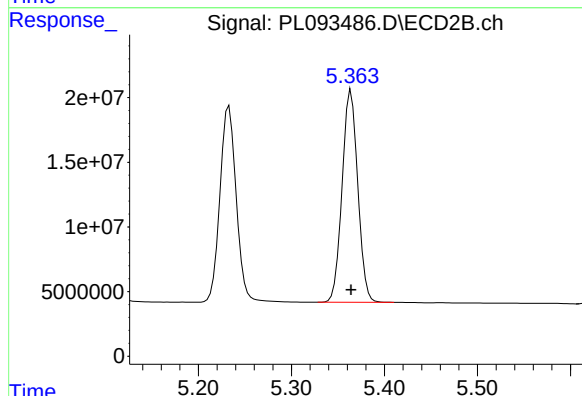
R.T.: 5.233 min
Delta R.T.: 0.000 min
Response: 182823272
Conc: 50.00 ng/ml



#13 Dieldrin

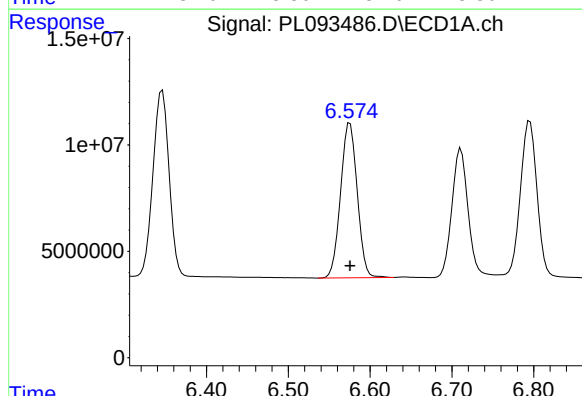
R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 118728918
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



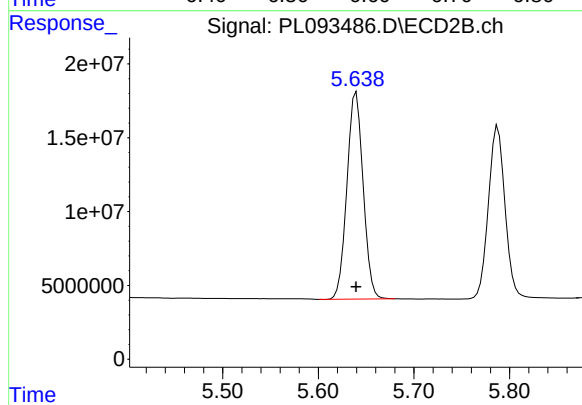
#13 Dieldrin

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



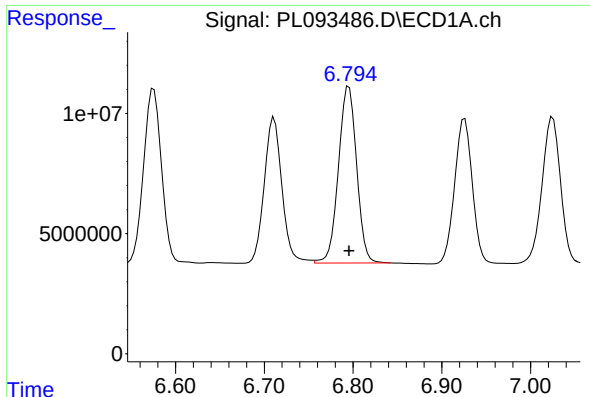
#14 Endrin

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



#14 Endrin

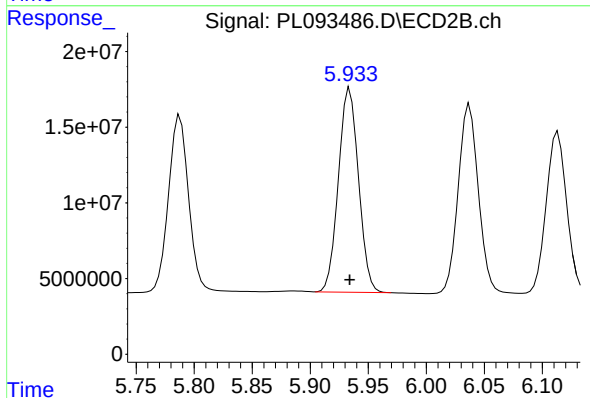
R.T.: 5.640 min
Delta R.T.: 0.000 min
Response: 165756127
Conc: 50.00 ng/ml



#15 Endosulfan II

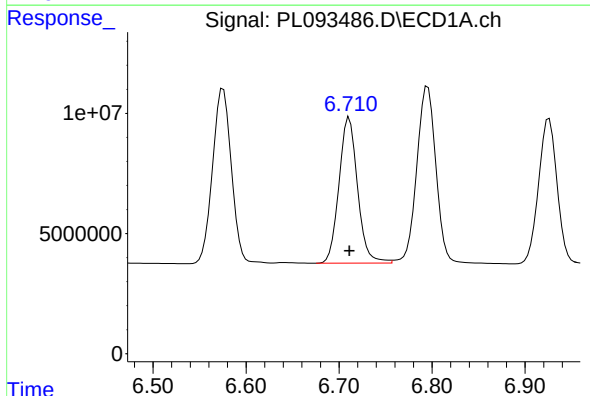
R.T.: 6.795 min
Delta R.T.: 0.000 min
Response: 104748130
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



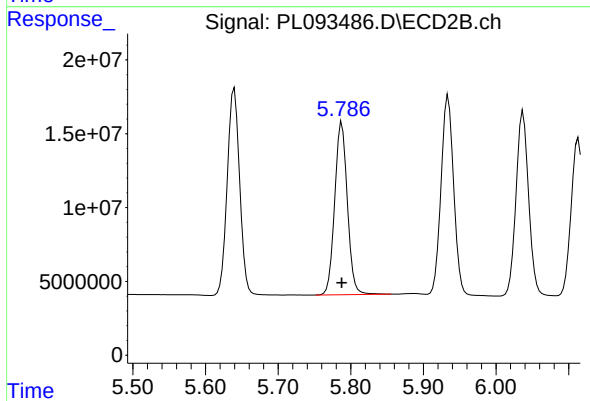
#15 Endosulfan II

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

Response_ Signal: PL093486.D\ECD1A.ch

#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

Time

Response_ Signal: PL093486.D\ECD2B.ch

#17 4,4'-DDT

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

Time

Response_ Signal: PL093486.D\ECD1A.ch

#18 Endrin aldehyde

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

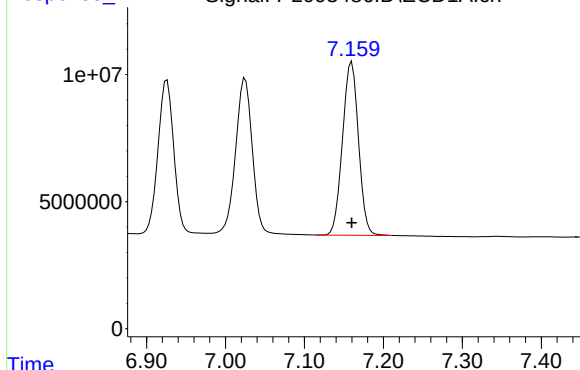
Time

Response_ Signal: PL093486.D\ECD2B.ch

#18 Endrin aldehyde

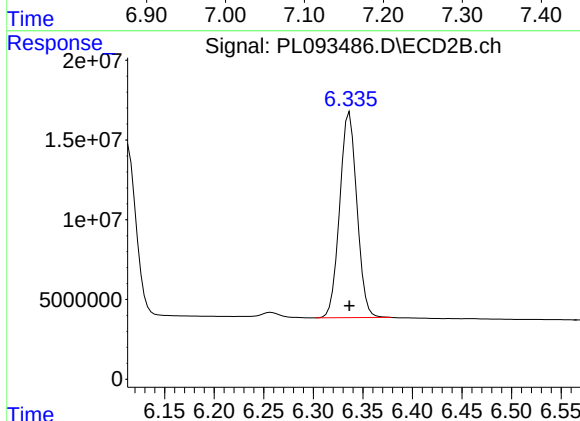
R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 132764145
Conc: 50.00 ng/ml

Time



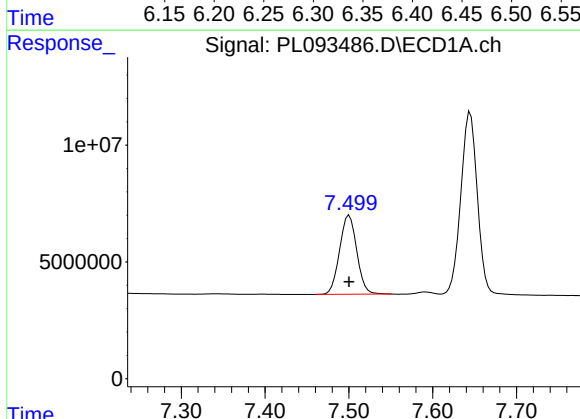
R.T.: 7.160 min
Delta R.T.: 0.000 min
Response: 95974066
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



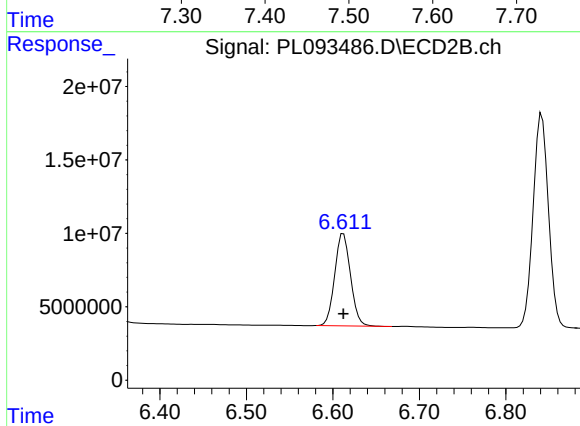
#19 Endosulfan Sulfate

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



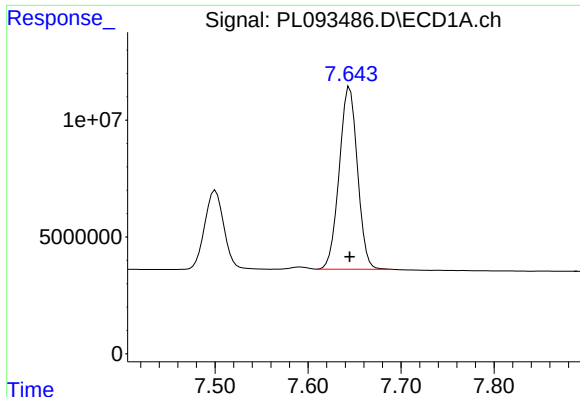
#20 Methoxychlor

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



#20 Methoxychlor

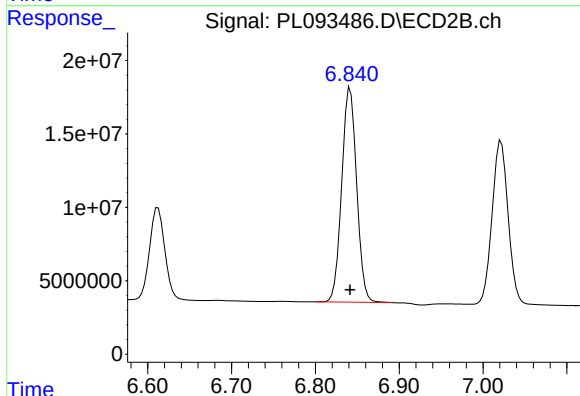
R.T.: 6.612 min
Delta R.T.: 0.000 min
Response: 79493908
Conc: 50.00 ng/ml



#21 Endrin ketone

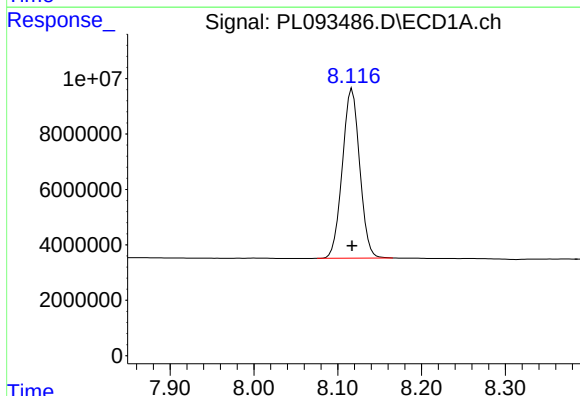
R.T.: 7.645 min
Delta R.T.: 0.000 min
Response: 106378368
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



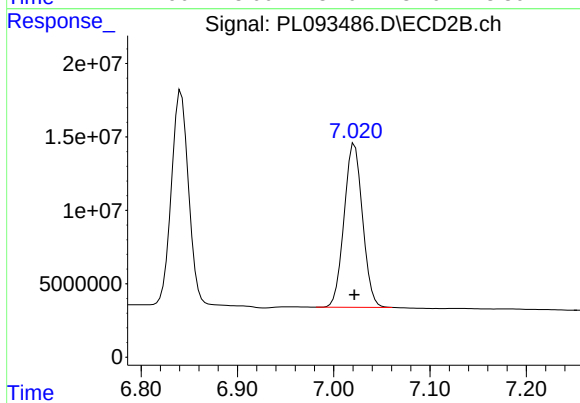
#21 Endrin ketone

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



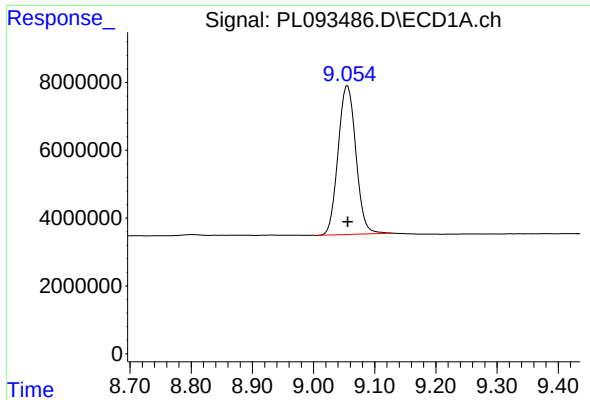
#22 Mirex

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



#22 Mirex

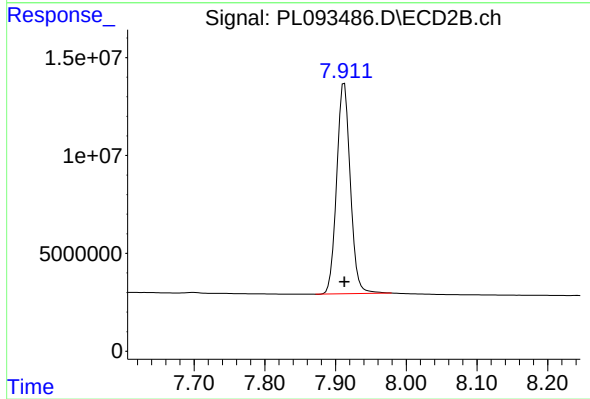
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 147831379
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

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

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

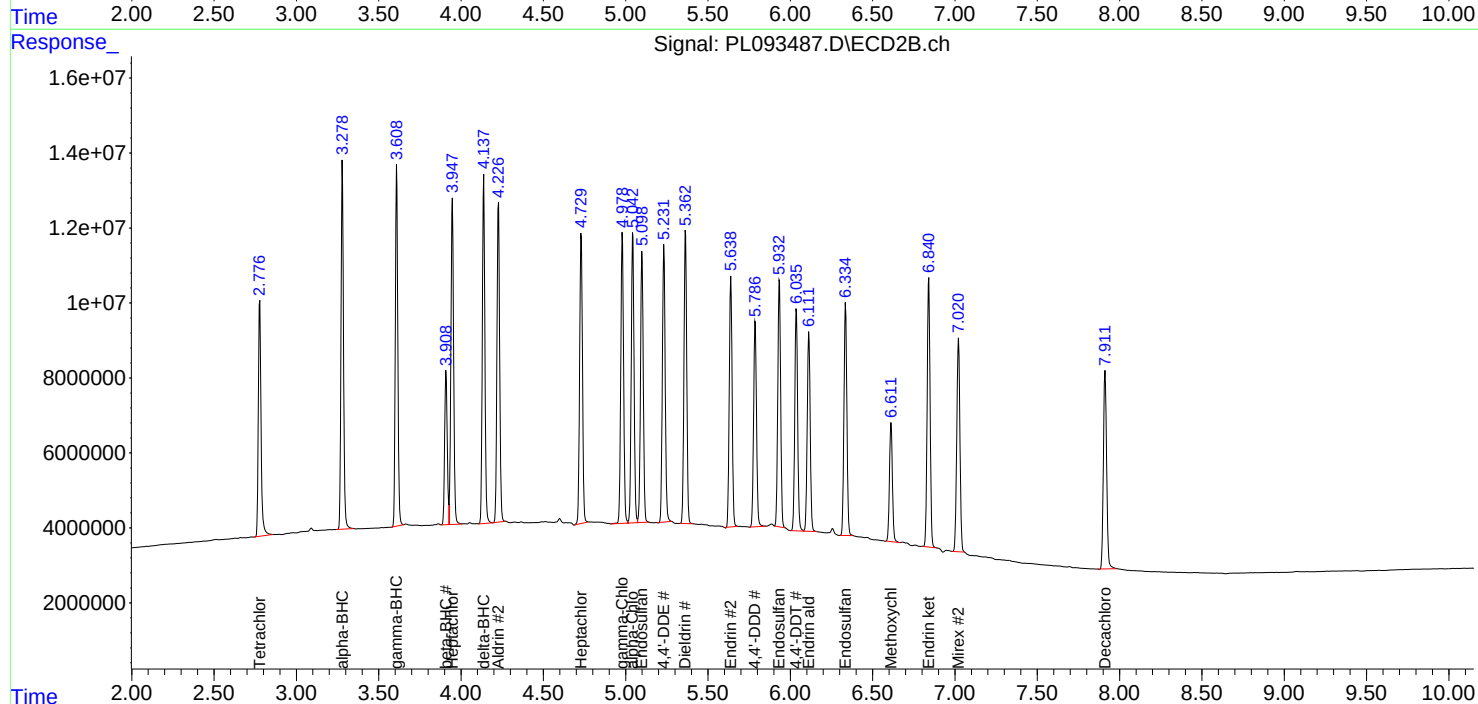
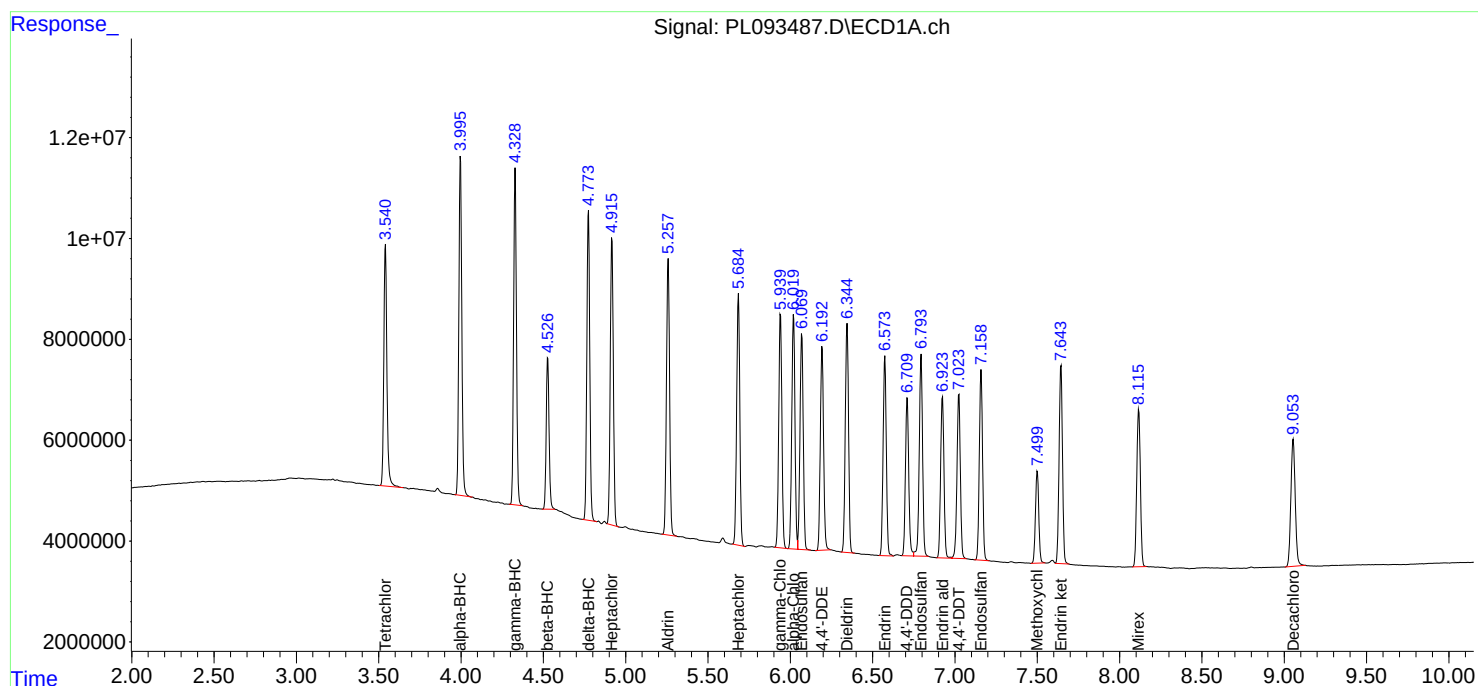
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

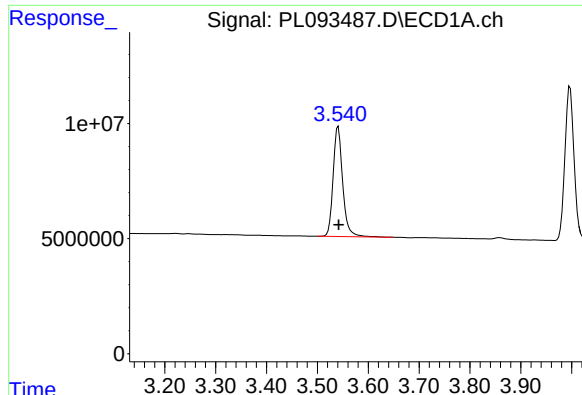
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
Data File : PL093487.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Dec 2024 13:55
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

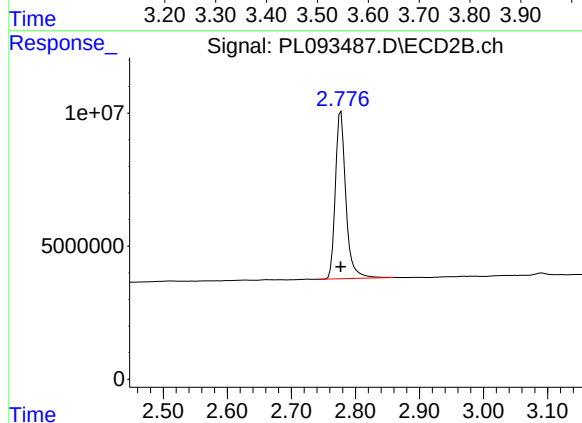




#1 Tetrachloro-m-xylene

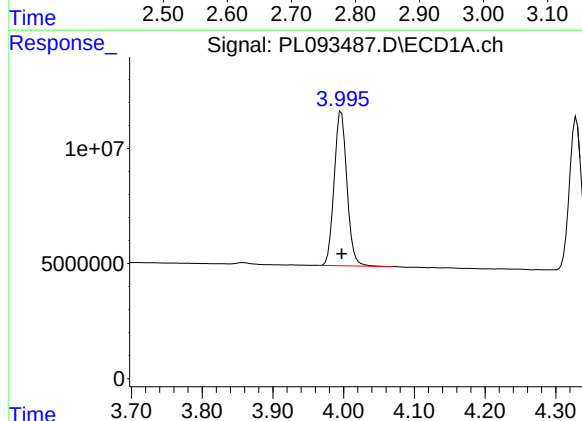
R.T.: 3.541 min
Delta R.T.: -0.001 min
Response: 62327725
Conc: 26.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



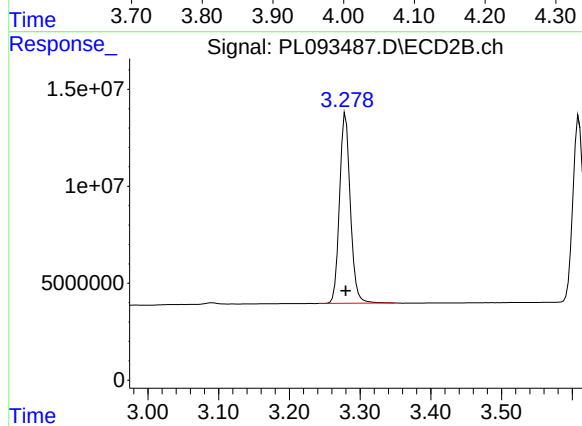
#1 Tetrachloro-m-xylene

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)

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

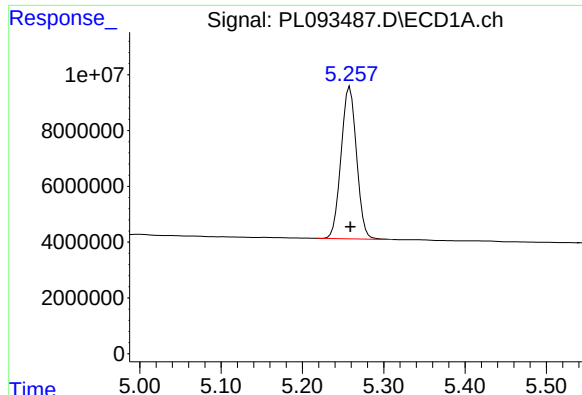
Time

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

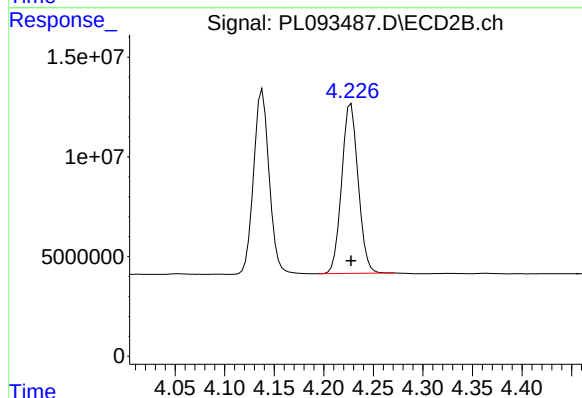
Time



#5 Aldrin

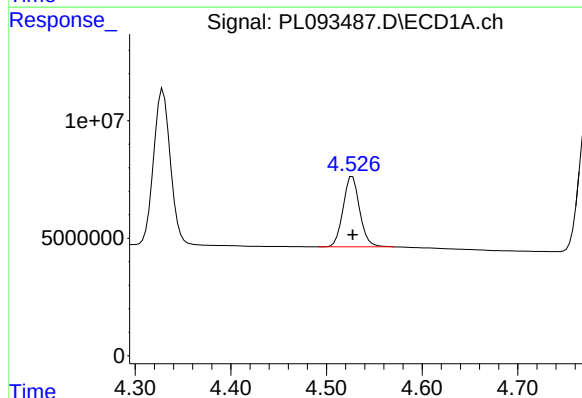
R.T.: 5.258 min
Delta R.T.: 0.000 min
Response: 71843023
Conc: 25.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



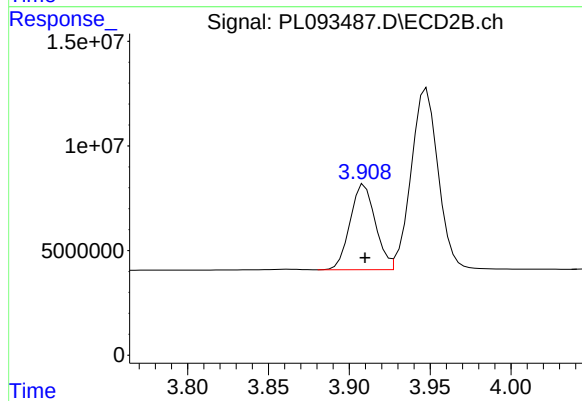
#5 Aldrin

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

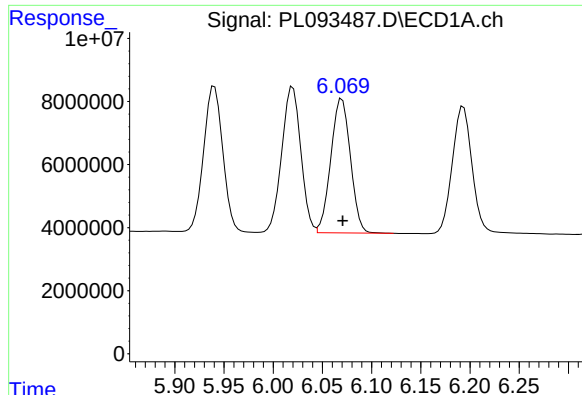
Time

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

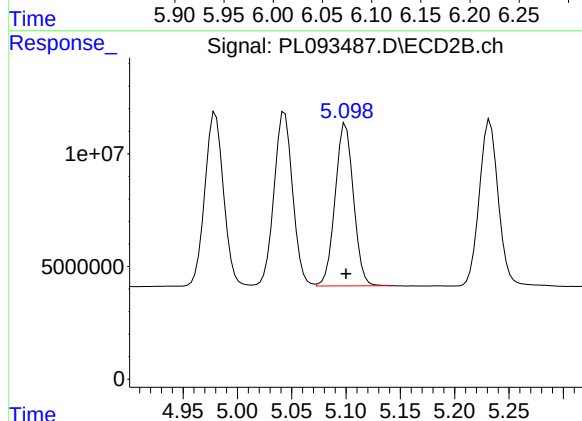
Time



#9 Endosulfan I

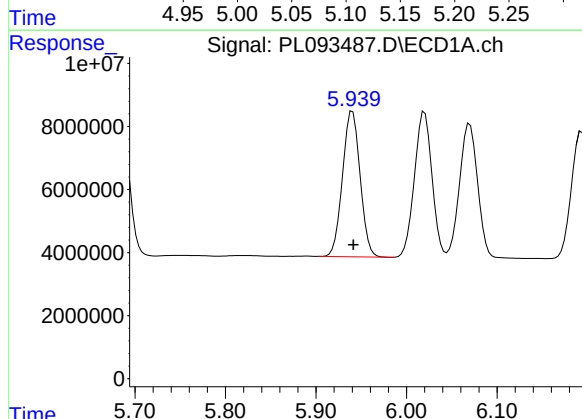
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 58987300
Conc: 26.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



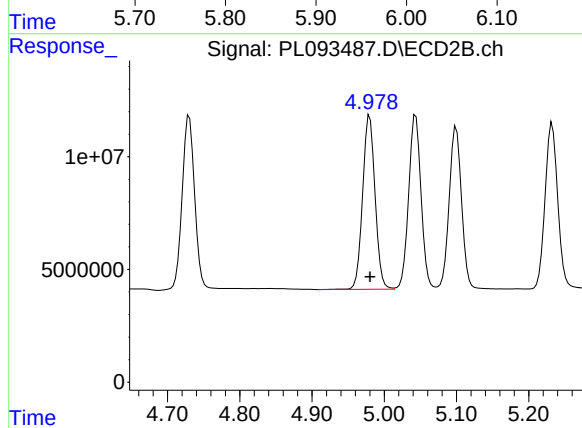
#9 Endosulfan I

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



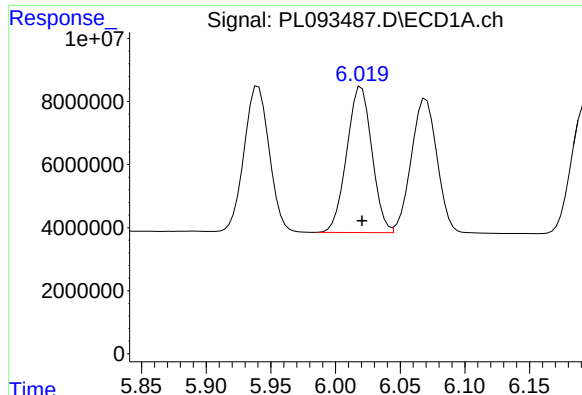
#10 gamma-Chlordane

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



#10 gamma-Chlordane

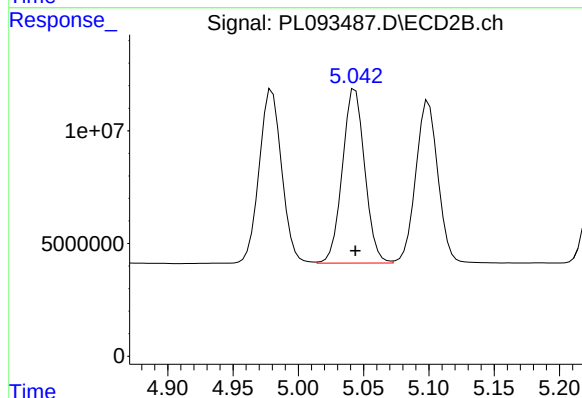
R.T.: 4.980 min
Delta R.T.: 0.000 min
Response: 92591896
Conc: 24.42 ng/ml



#11 alpha-Chlordane

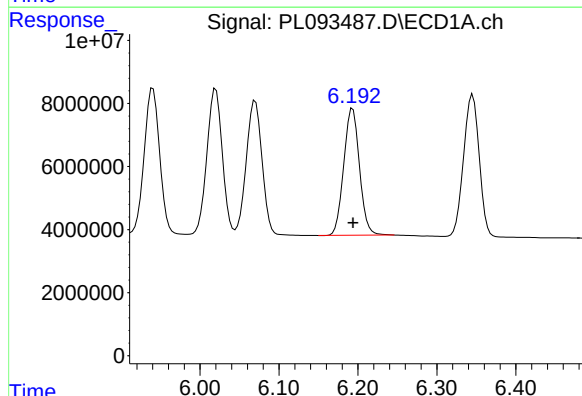
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 62441570
Conc: 26.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



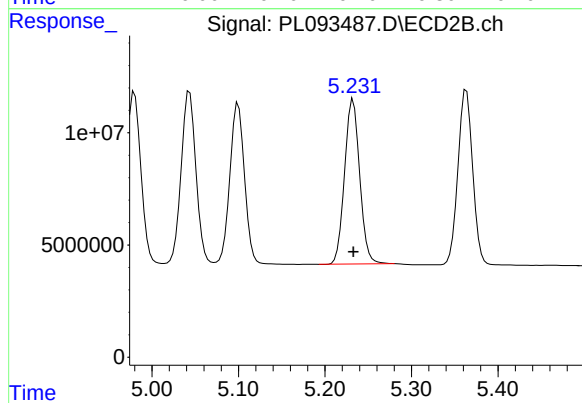
#11 alpha-Chlordane

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



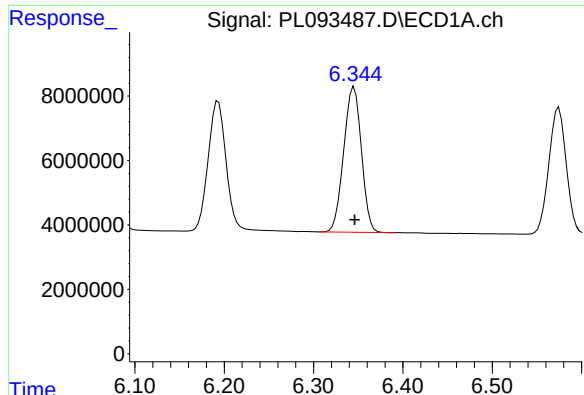
#12 4,4'-DDE

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



#12 4,4'-DDE

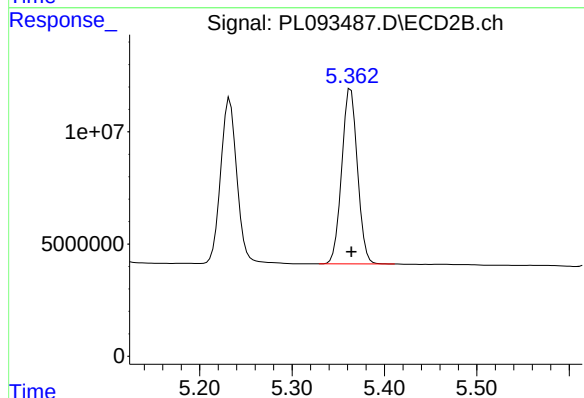
R.T.: 5.233 min
Delta R.T.: 0.000 min
Response: 88664838
Conc: 24.25 ng/ml



#13 Dieldrin

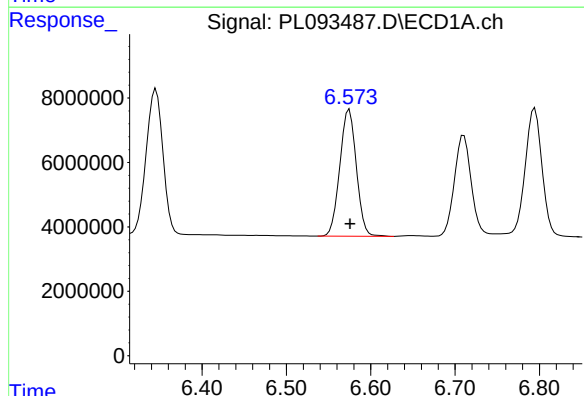
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 62005270
Conc: 26.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



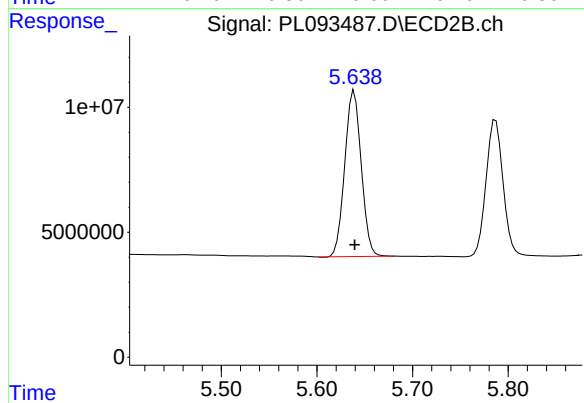
#13 Dieldrin

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



#14 Endrin

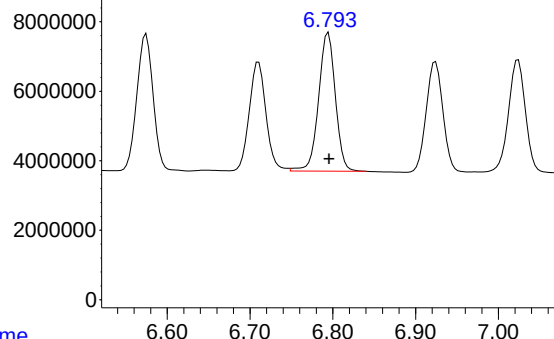
R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 53644088
Conc: 26.21 ng/ml



#14 Endrin

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

Response_ Signal: PL093487.D\ECD1A.ch

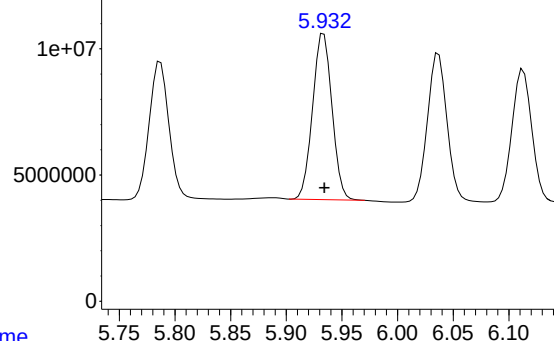


#15 Endosulfan II

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

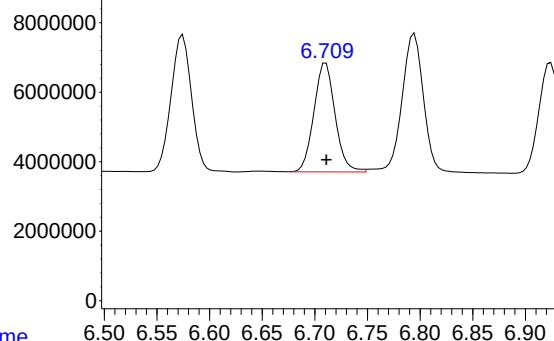
Time Response_ Signal: PL093487.D\ECD2B.ch



#15 Endosulfan II

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

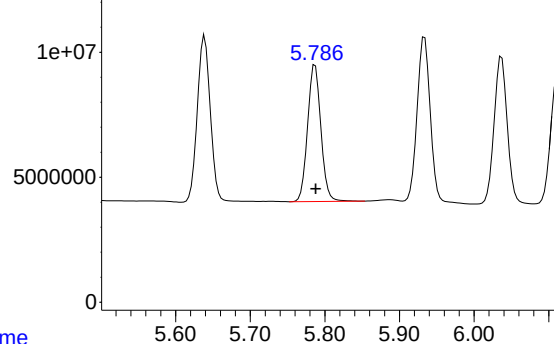
Time Response_ Signal: PL093487.D\ECD1A.ch



#16 4,4'-DDD

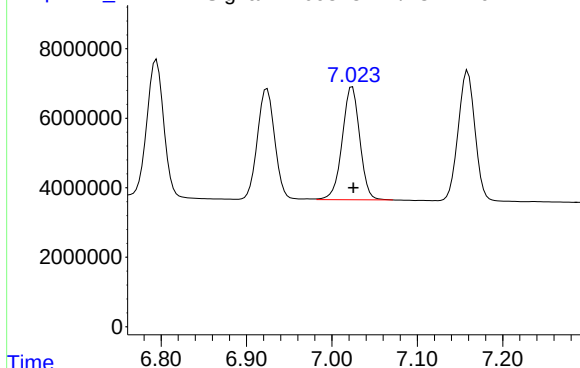
R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 43947210
Conc: 26.08 ng/ml

Time Response_ Signal: PL093487.D\ECD2B.ch



#16 4,4'-DDD

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



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

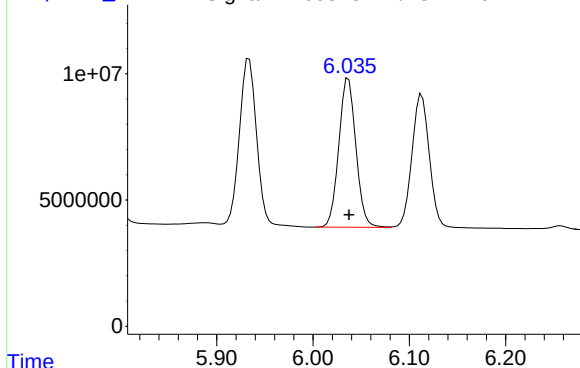
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Time

Response_

Signal: PL093487.D\ECD2B.ch

#17 4,4'-DDT



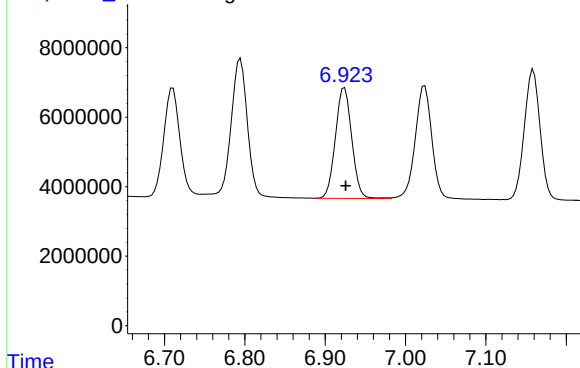
R.T.: 6.037 min
Delta R.T.: 0.000 min
Response: 72637544
Conc: 23.90 ng/ml

Time

Response_

Signal: PL093487.D\ECD1A.ch

#18 Endrin aldehyde



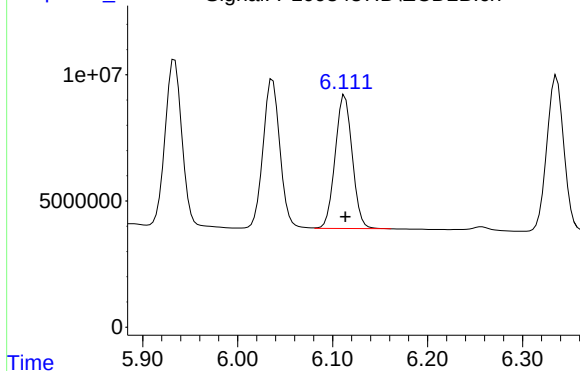
R.T.: 6.924 min
Delta R.T.: -0.002 min
Response: 44927918
Conc: 26.75 ng/ml

Time

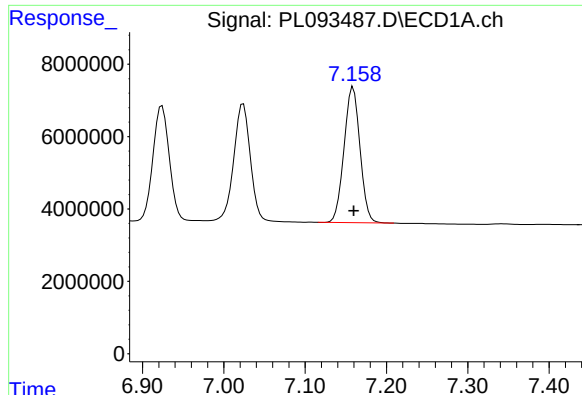
Response_

Signal: PL093487.D\ECD2B.ch

#18 Endrin aldehyde



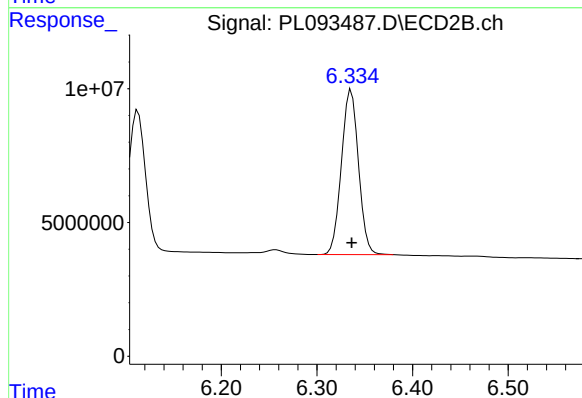
R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 66140068
Conc: 24.91 ng/ml



#19 Endosulfan Sulfate

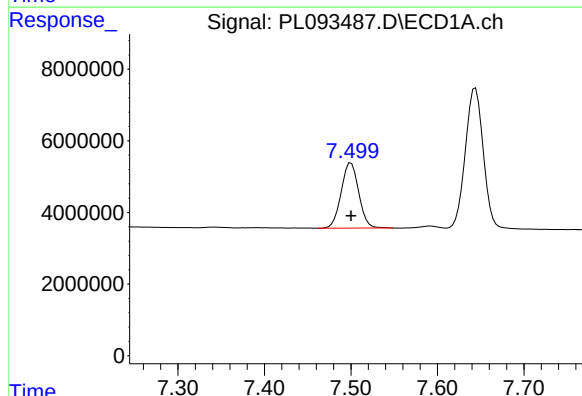
R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 50981786
Conc: 26.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



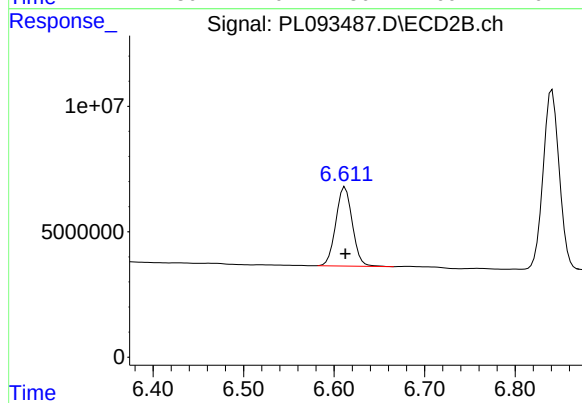
#19 Endosulfan Sulfate

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



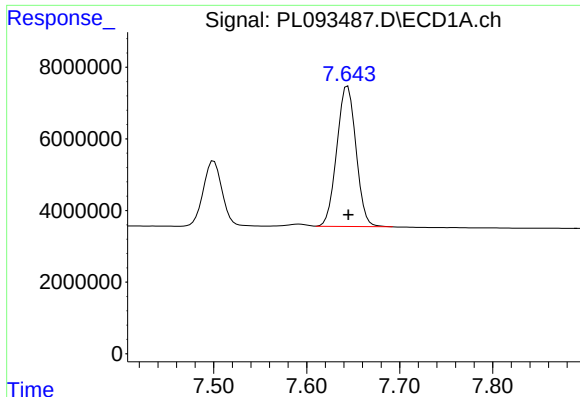
#20 Methoxychlor

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



#20 Methoxychlor

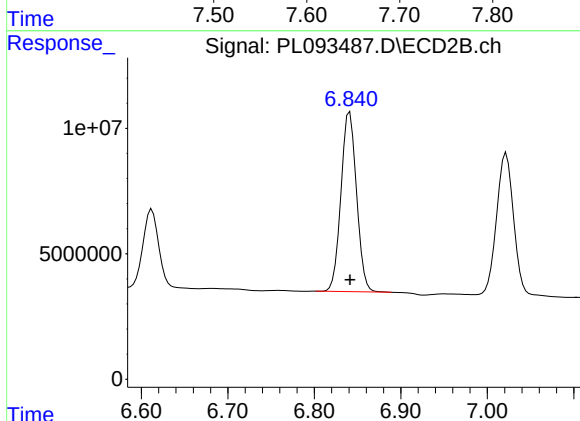
R.T.: 6.612 min
Delta R.T.: 0.000 min
Response: 39897867
Conc: 25.09 ng/ml



#21 Endrin ketone

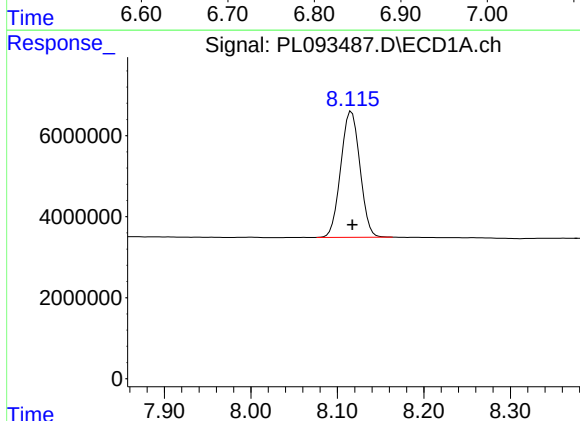
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 56296228
Conc: 26.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



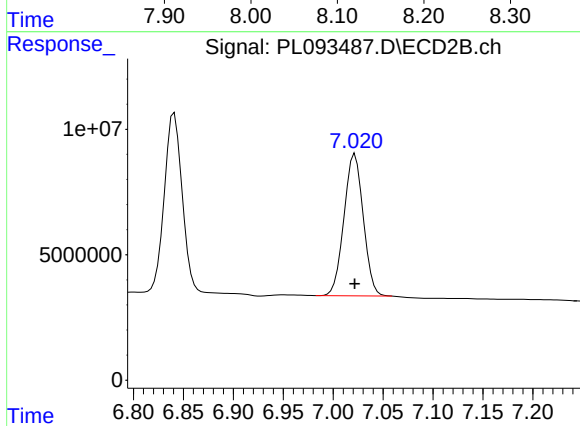
#21 Endrin ketone

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



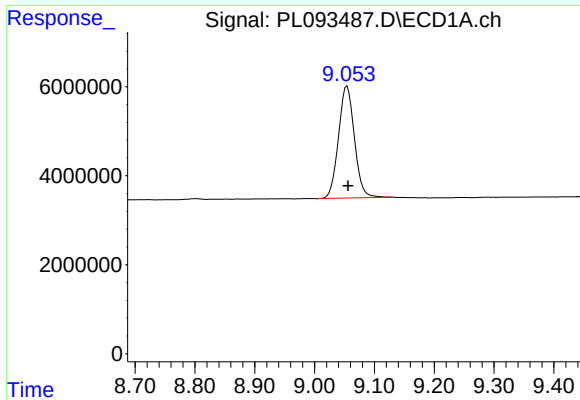
#22 Mirex

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



#22 Mirex

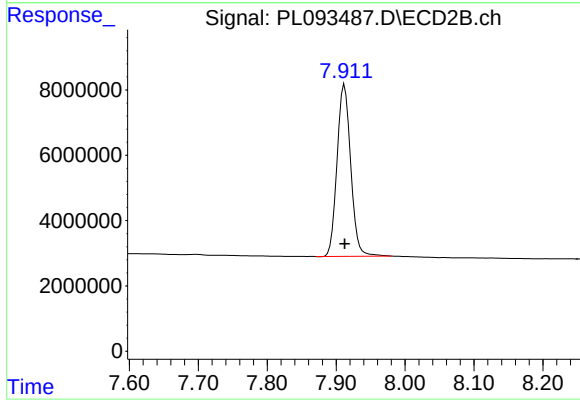
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 76083698
Conc: 25.73 ng/ml



#28 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



#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

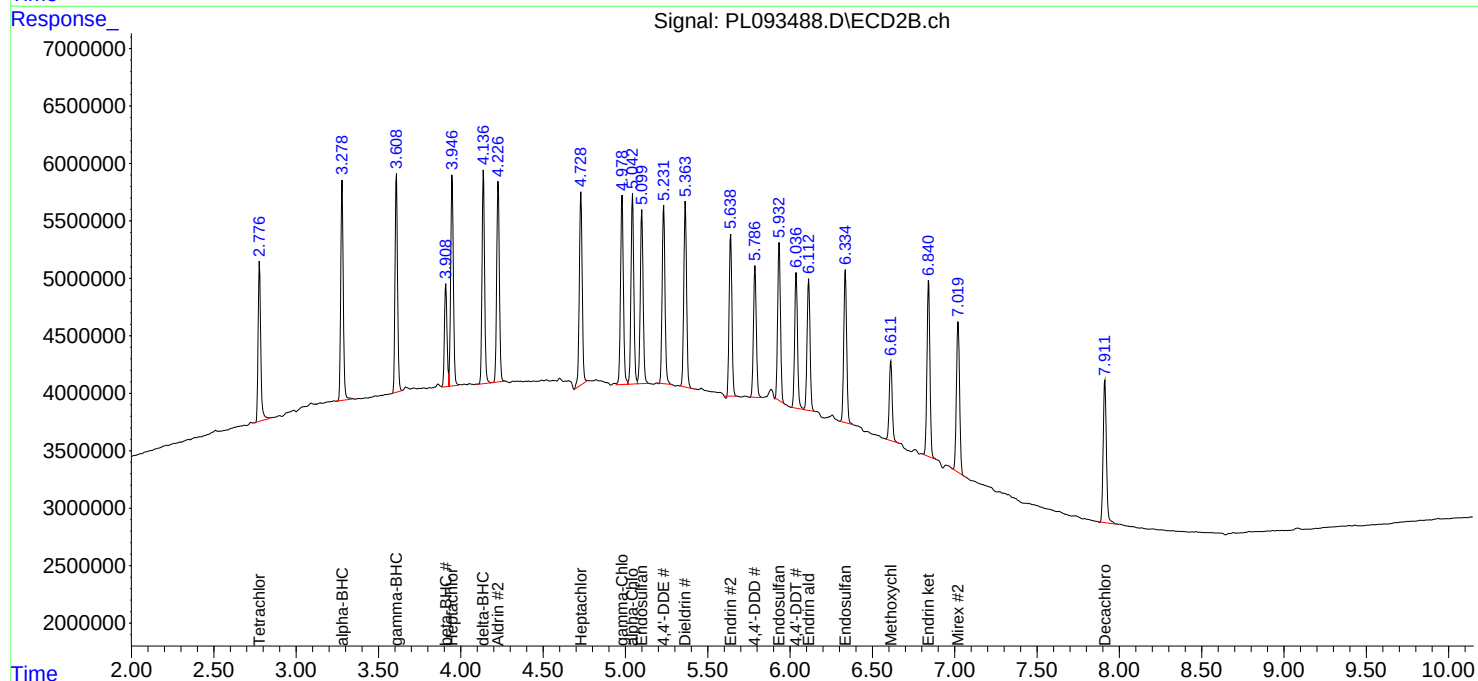
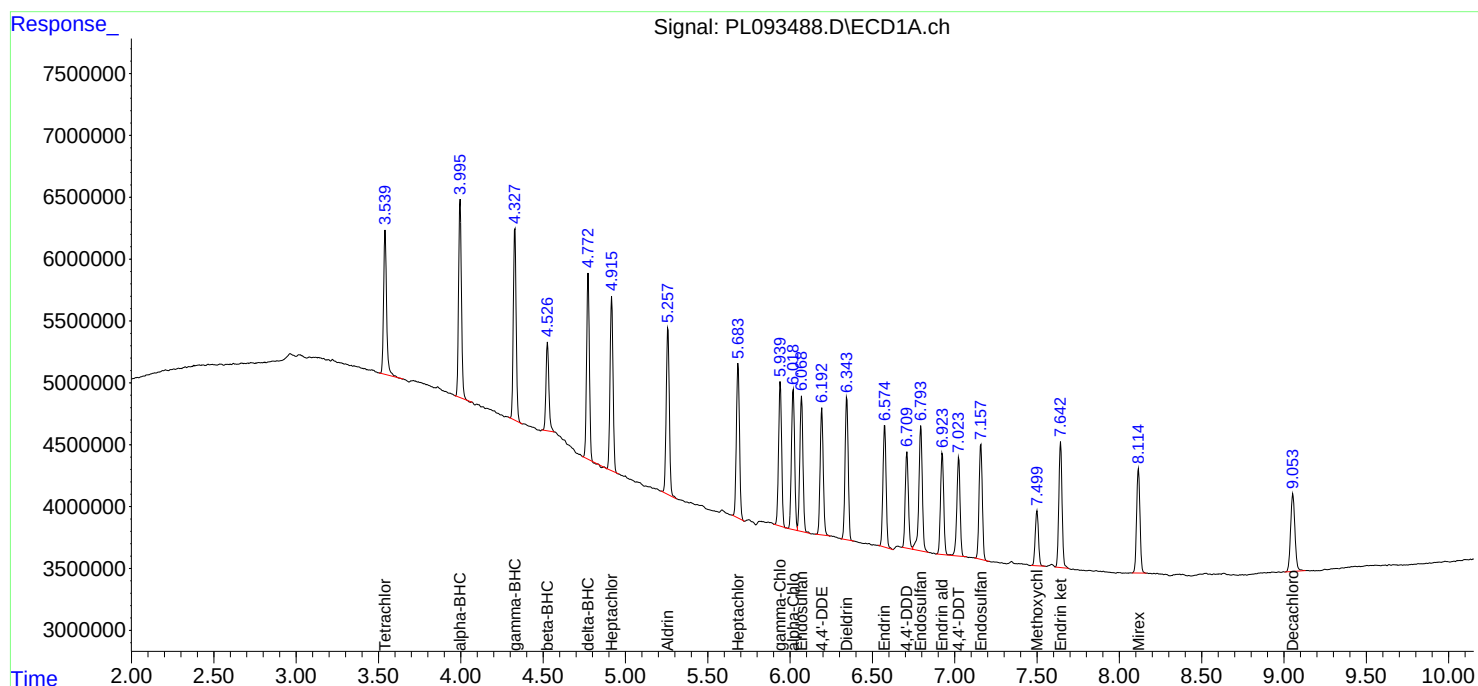
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

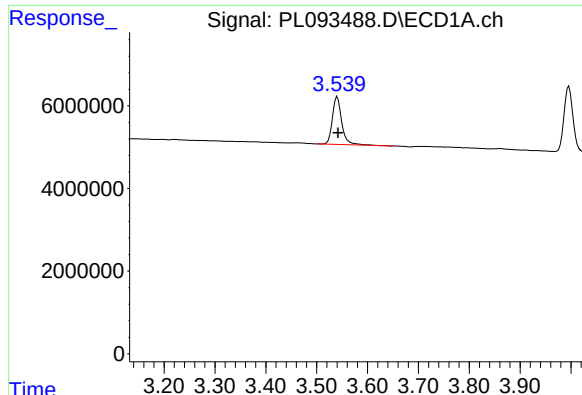
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
Data File : PL093488.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Dec 2024 14:09
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

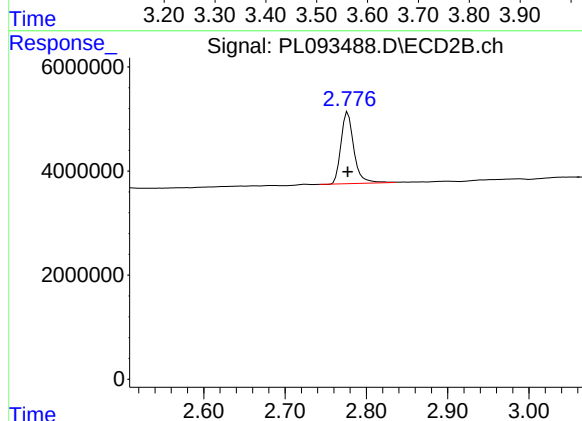




#1 Tetrachloro-m-xylene

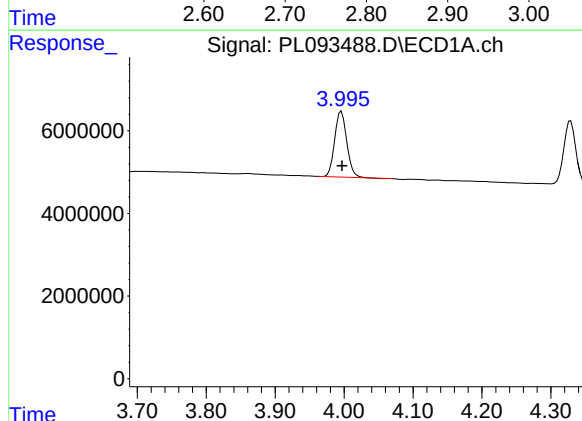
R.T.: 3.541 min
Delta R.T.: -0.001 min
Response: 14596266
Conc: 6.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



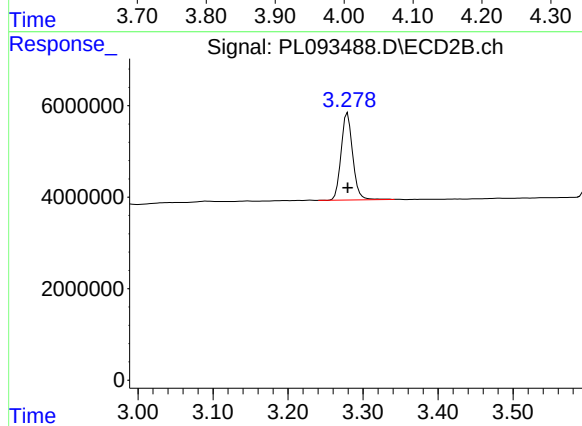
#1 Tetrachloro-m-xylene

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



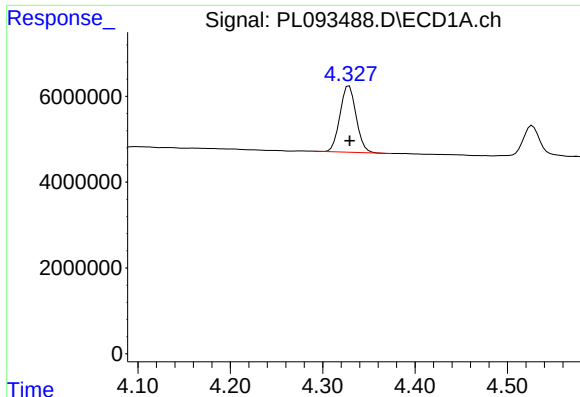
#2 alpha-BHC

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



#2 alpha-BHC

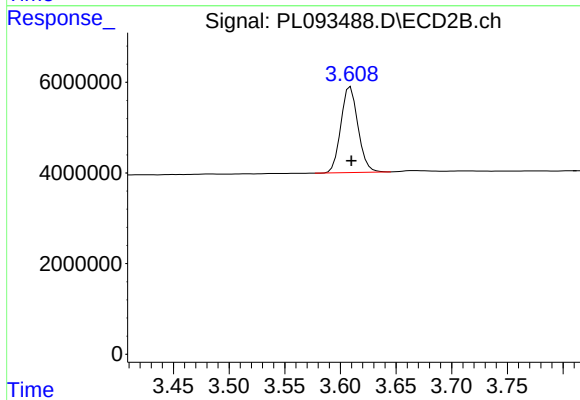
R.T.: 3.279 min
Delta R.T.: 0.000 min
Response: 20496659
Conc: 4.65 ng/ml



#3 gamma-BHC (Lindane)

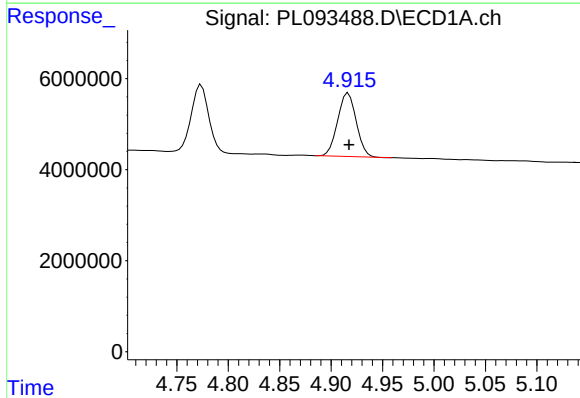
R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 18751913
Conc: 5.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



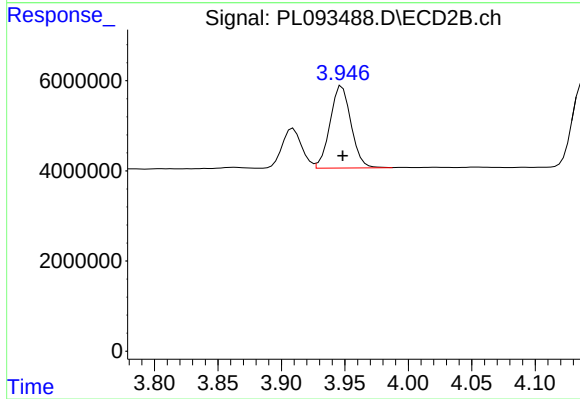
#3 gamma-BHC (Lindane)

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



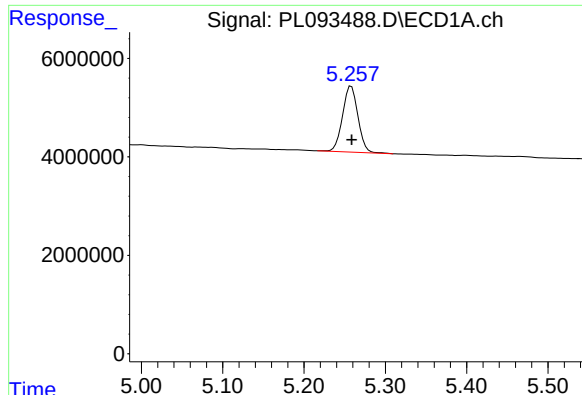
#4 Heptachlor

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



#4 Heptachlor

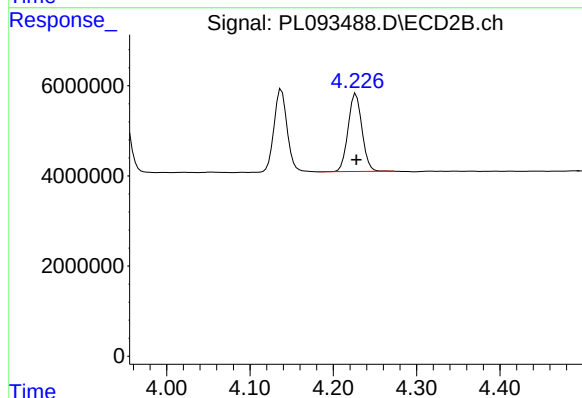
R.T.: 3.948 min
Delta R.T.: 0.000 min
Response: 20989422
Conc: 5.05 ng/ml



#5 Aldrin

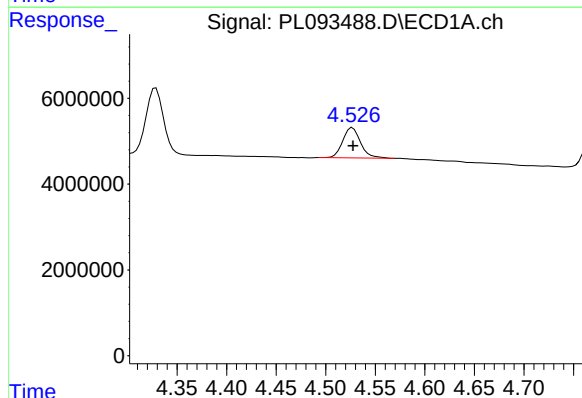
R.T.: 5.258 min
Delta R.T.: 0.000 min
Response: 17581628
Conc: 6.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



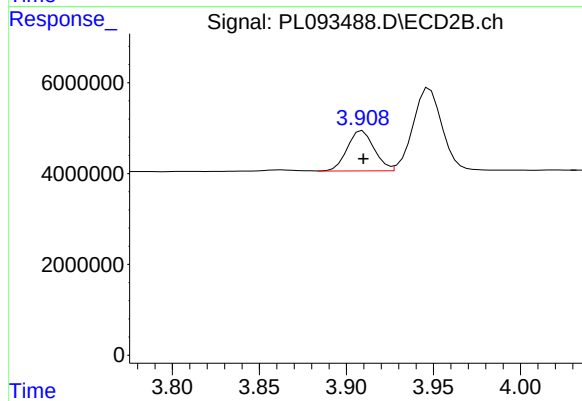
#5 Aldrin

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



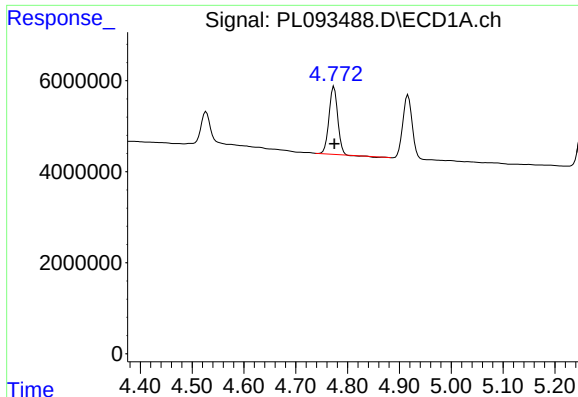
#6 beta-BHC

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



#6 beta-BHC

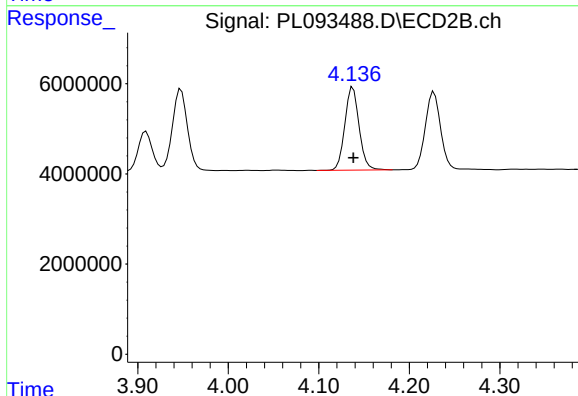
R.T.: 3.909 min
Delta R.T.: 0.000 min
Response: 9564220
Conc: 5.39 ng/ml



#7 delta-BHC

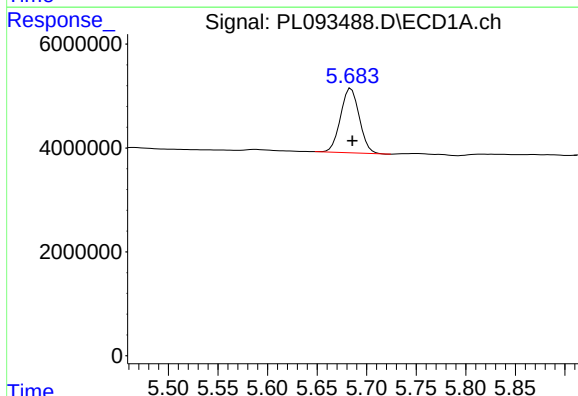
R.T.: 4.774 min
Delta R.T.: 0.000 min
Response: 17184513
Conc: 5.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



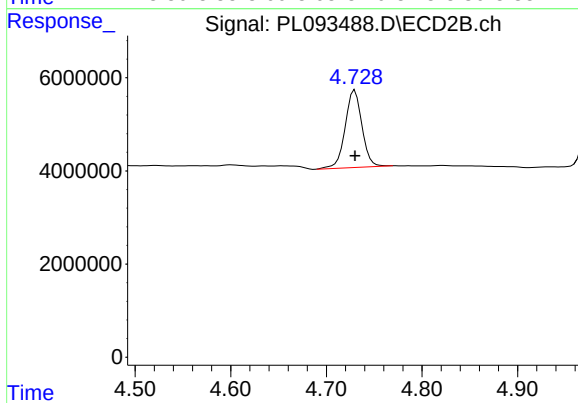
#7 delta-BHC

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



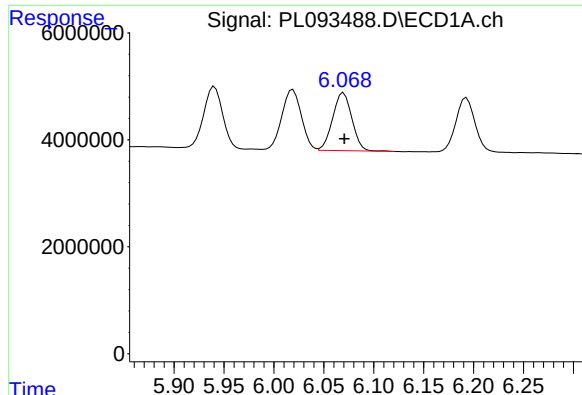
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

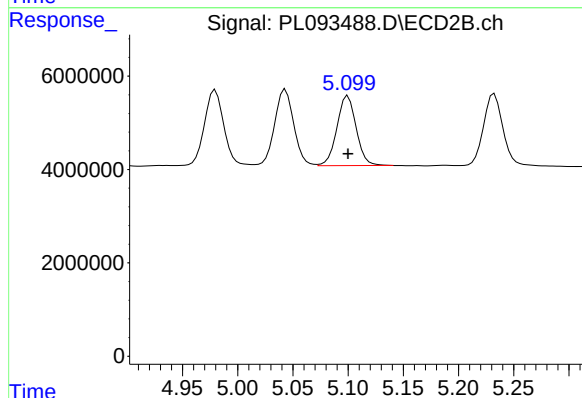
R.T.: 4.730 min
Delta R.T.: 0.000 min
Response: 20492257
Conc: 5.45 ng/ml



#9 Endosulfan I

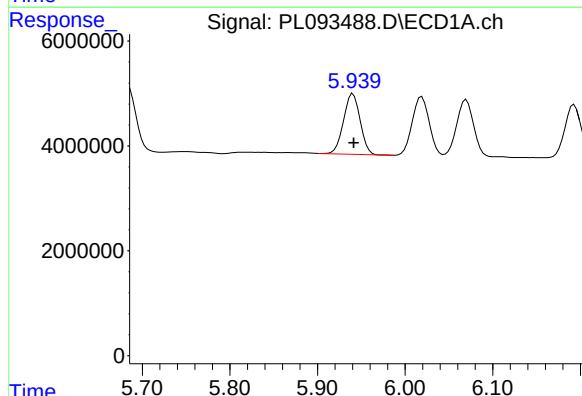
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 14505341
Conc: 6.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



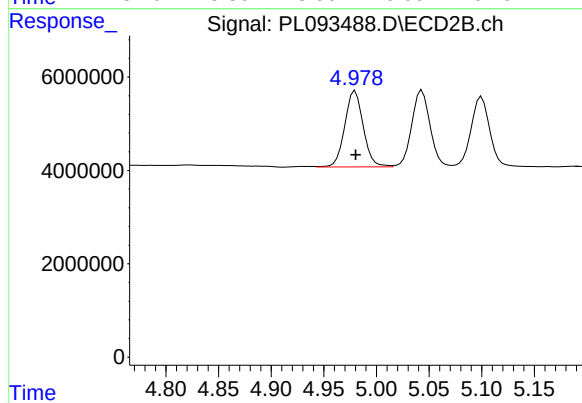
#9 Endosulfan I

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



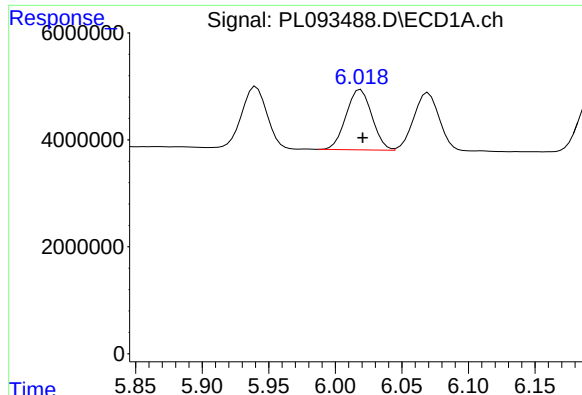
#10 gamma-Chlordane

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



#10 gamma-Chlordane

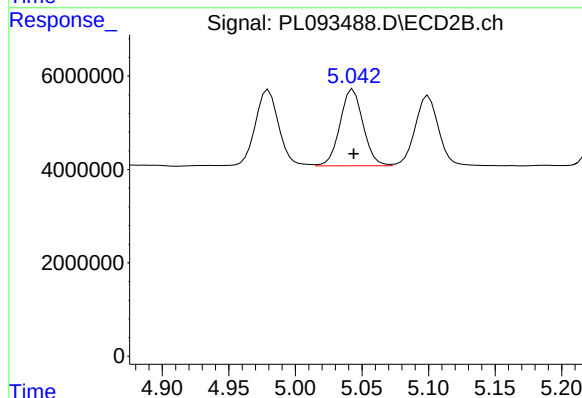
R.T.: 4.980 min
Delta R.T.: 0.000 min
Response: 19999538
Conc: 5.27 ng/ml



#11 alpha-Chlordane

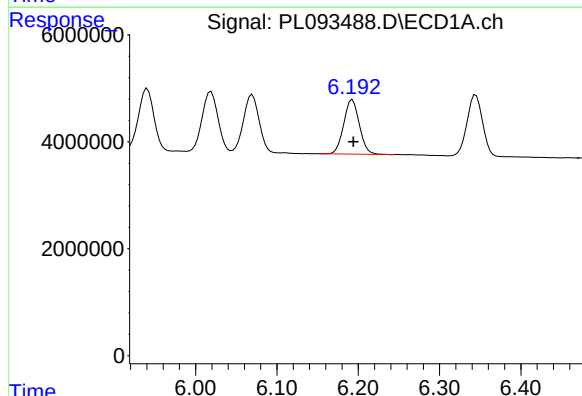
R.T.: 6.019 min
Delta R.T.: -0.001 min
Response: 15233484
Conc: 6.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



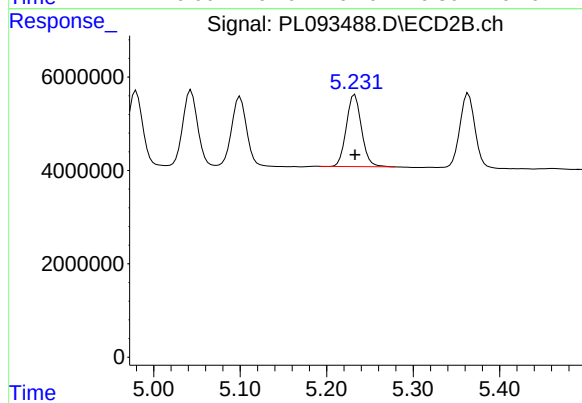
#11 alpha-Chlordane

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



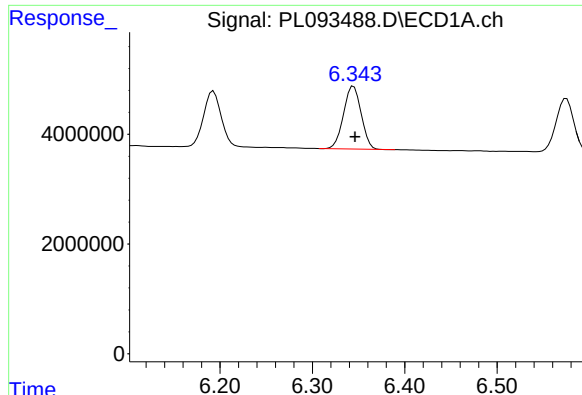
#12 4,4'-DDE

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



#12 4,4'-DDE

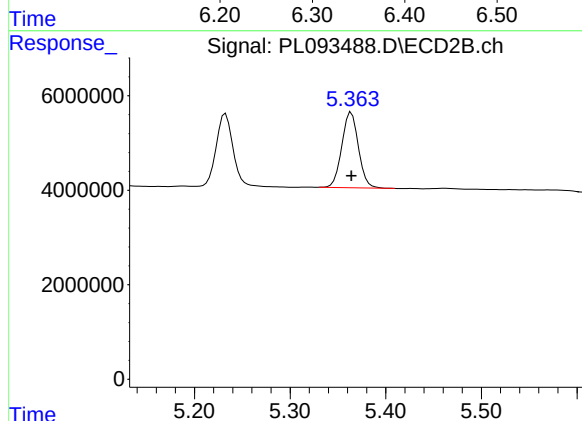
R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 18555428
Conc: 5.07 ng/ml



#13 Dieldrin

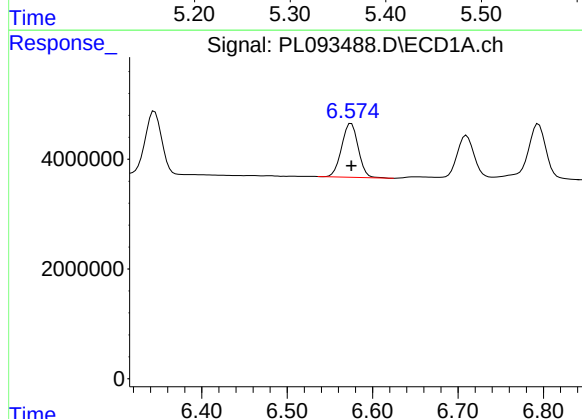
R.T.: 6.345 min
Delta R.T.: -0.001 min
Response: 15185715
Conc: 6.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



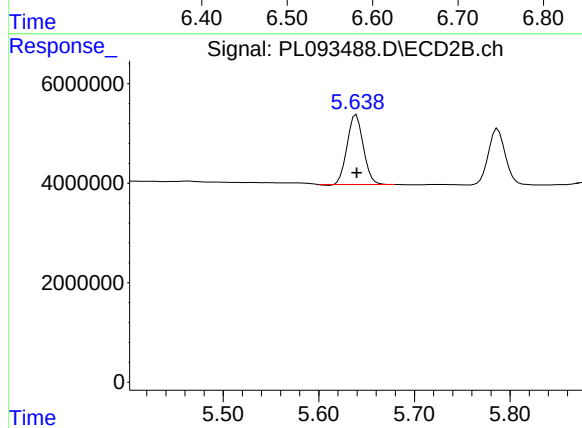
#13 Dieldrin

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



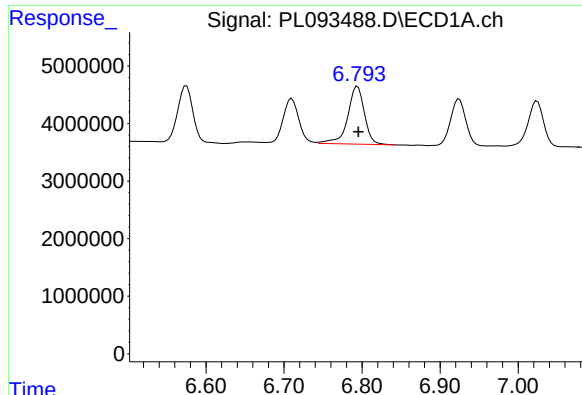
#14 Endrin

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



#14 Endrin

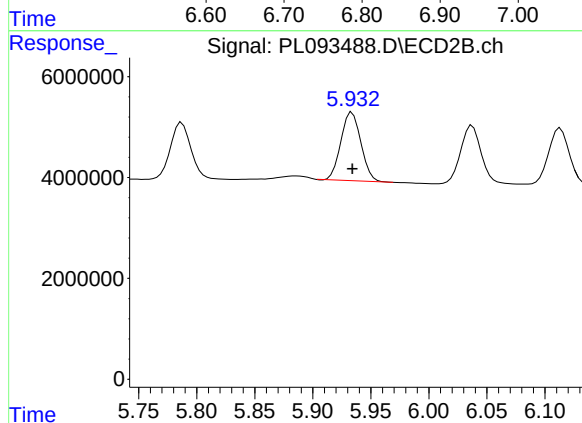
R.T.: 5.639 min
Delta R.T.: 0.000 min
Response: 16436761
Conc: 4.96 ng/ml



#15 Endosulfan II

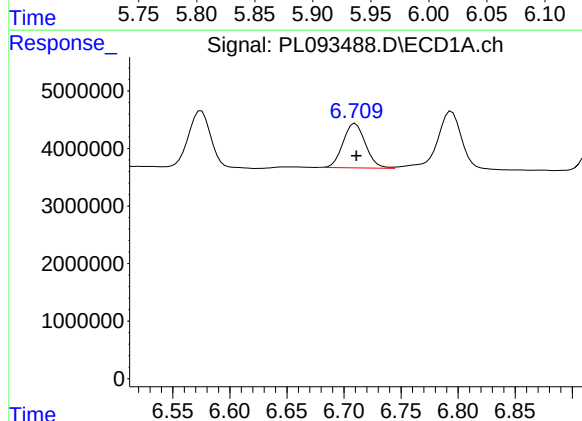
R.T.: 6.794 min
Delta R.T.: -0.001 min
Response: 14897483
Conc: 7.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



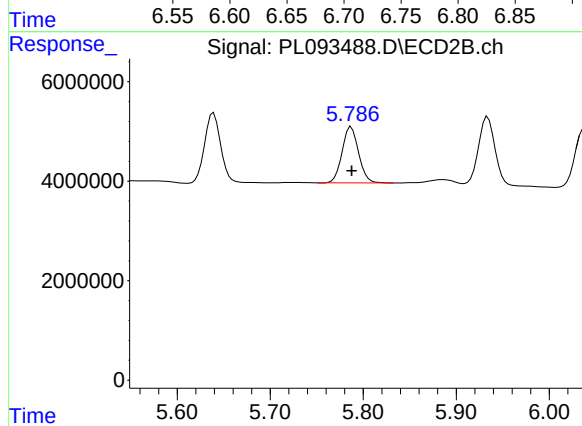
#15 Endosulfan II

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



#16 4,4'-DDD

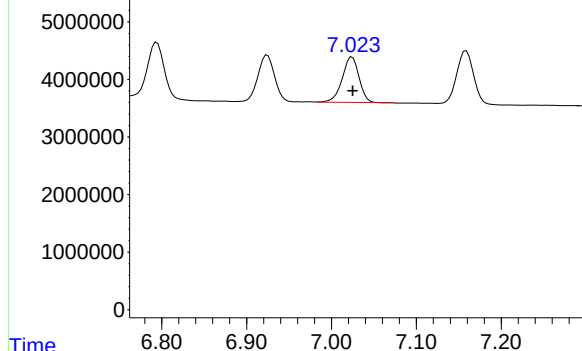
R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 10569136
Conc: 6.27 ng/ml



#16 4,4'-DDD

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

Response_ Signal: PL093488.D\ECD1A.ch

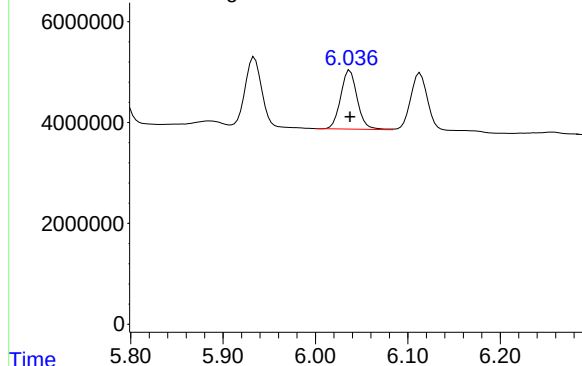


#17 4,4'-DDT

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

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

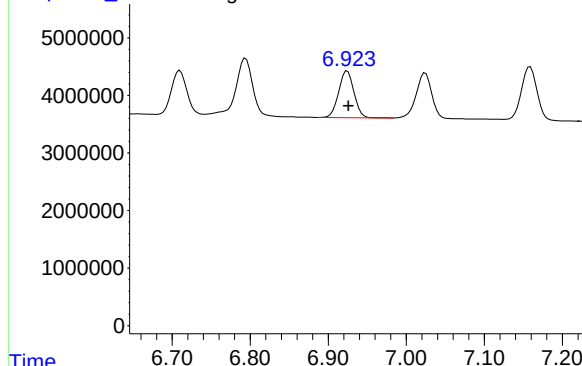
Time Response_ Signal: PL093488.D\ECD2B.ch



#17 4,4'-DDT

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

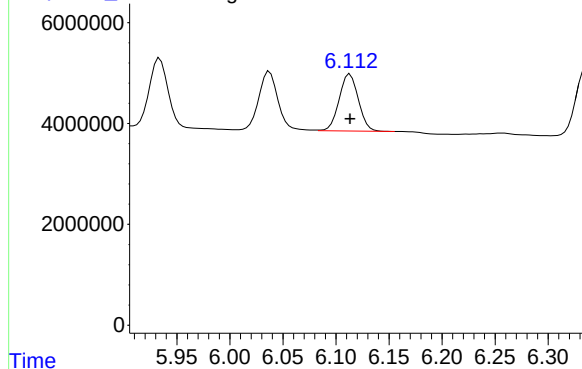
Time Response_ Signal: PL093488.D\ECD1A.ch



#18 Endrin aldehyde

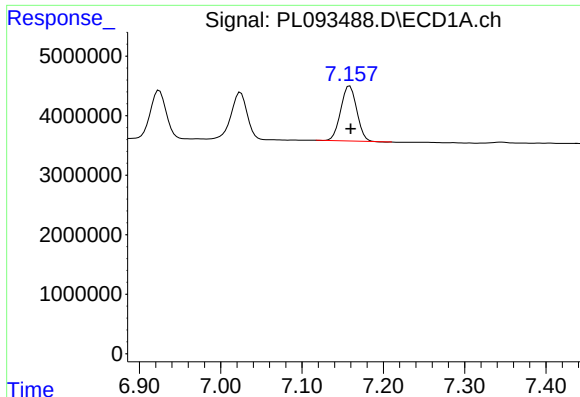
R.T.: 6.924 min
Delta R.T.: -0.001 min
Response: 11109839
Conc: 6.61 ng/ml

Time Response_ Signal: PL093488.D\ECD2B.ch



#18 Endrin aldehyde

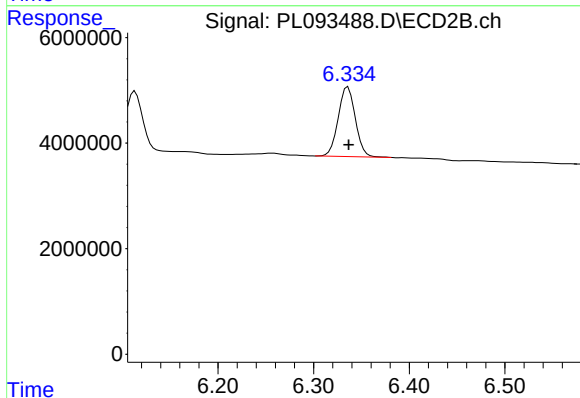
R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 14229329
Conc: 5.36 ng/ml



#19 Endosulfan Sulfate

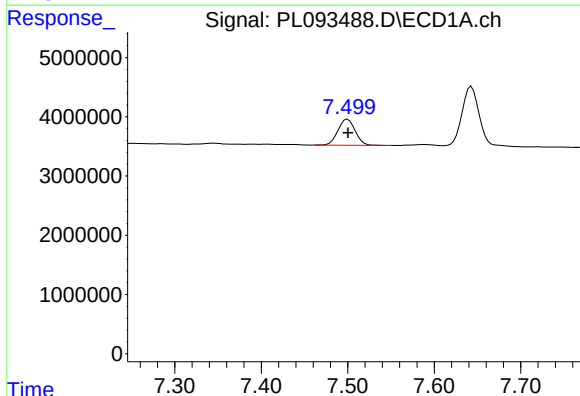
R.T.: 7.159 min
Delta R.T.: -0.001 min
Response: 12606082
Conc: 6.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



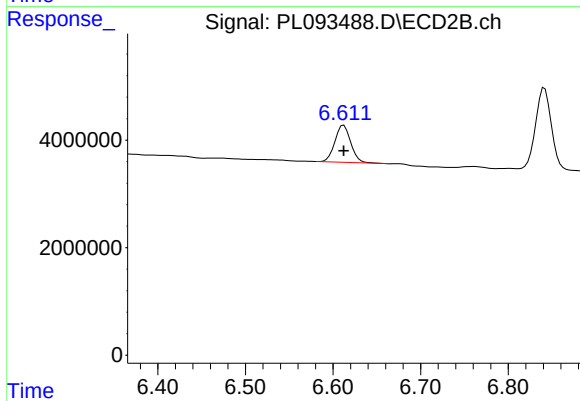
#19 Endosulfan Sulfate

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



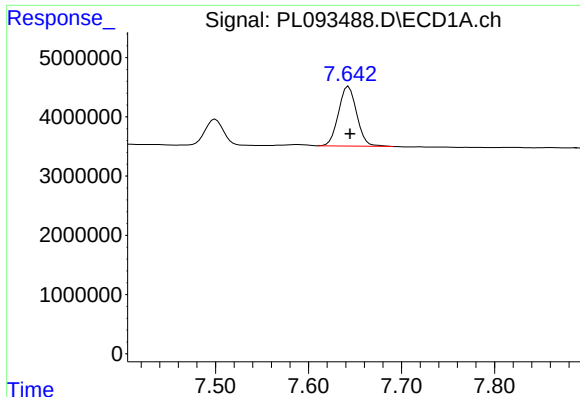
#20 Methoxychlor

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



#20 Methoxychlor

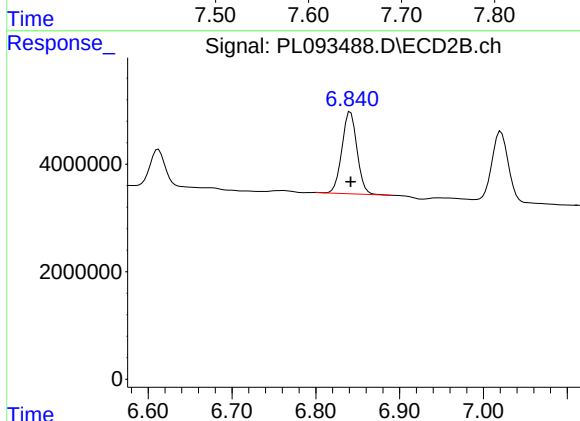
R.T.: 6.612 min
Delta R.T.: 0.000 min
Response: 8720001
Conc: 5.48 ng/ml



#21 Endrin ketone

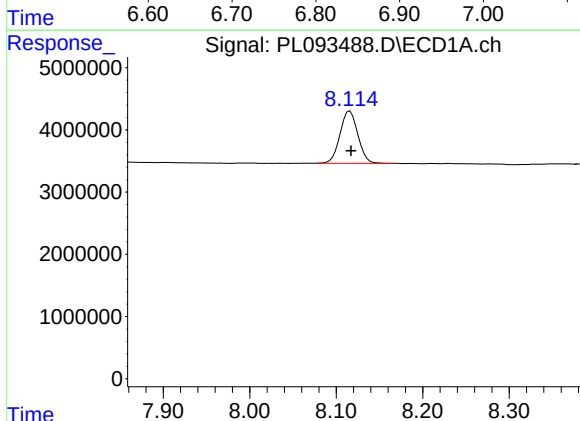
R.T.: 7.643 min
Delta R.T.: -0.002 min
Response: 13753382
Conc: 6.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



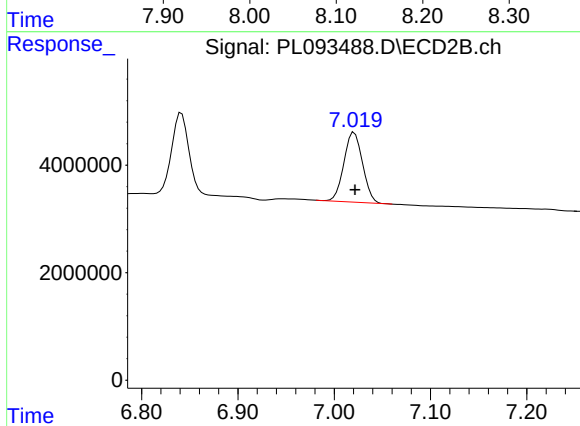
#21 Endrin ketone

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



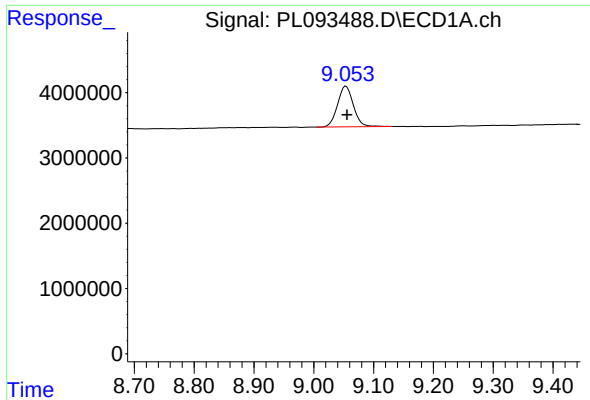
#22 Mirex

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



#22 Mirex

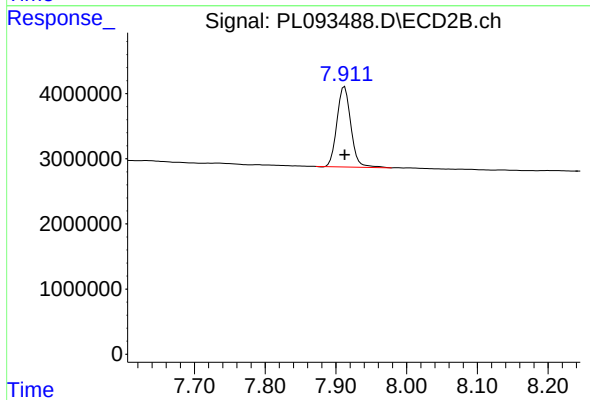
R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 17368842
Conc: 5.87 ng/ml



#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



#28 Decachlorobiphenyl

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

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

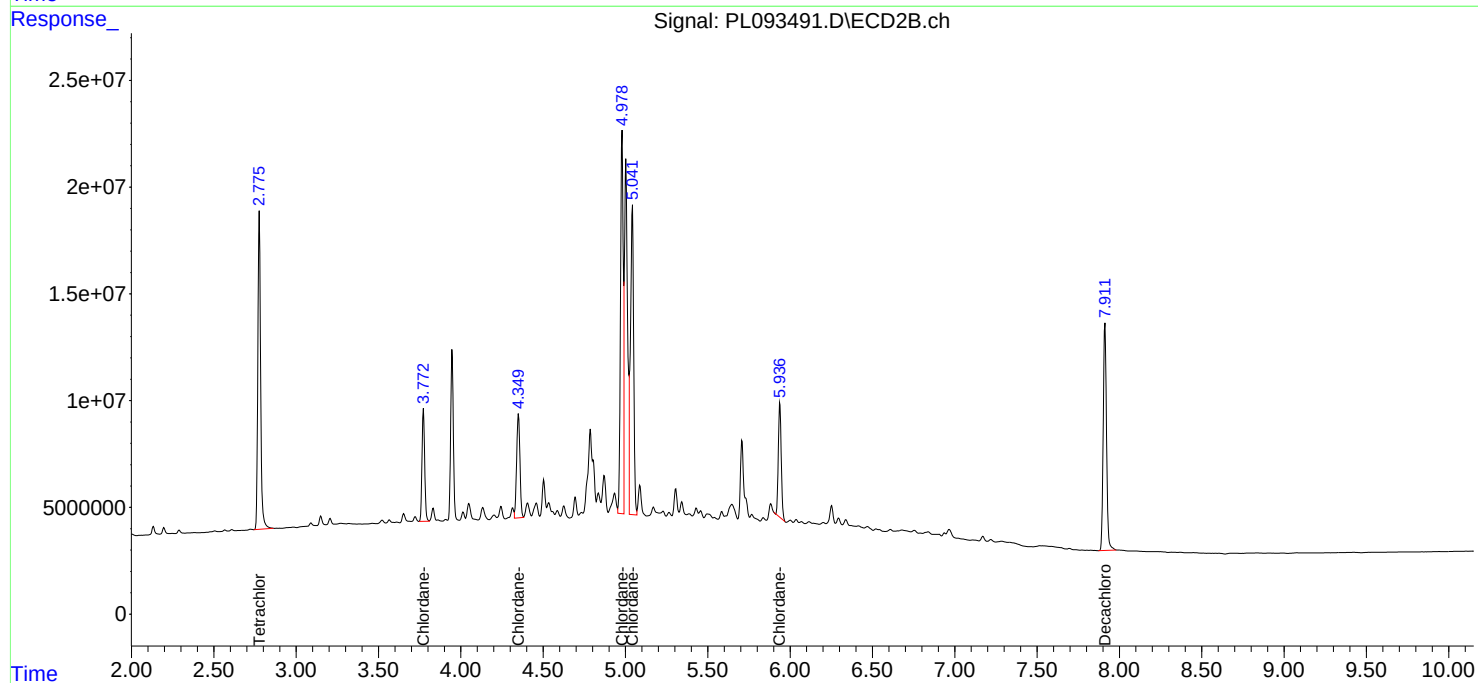
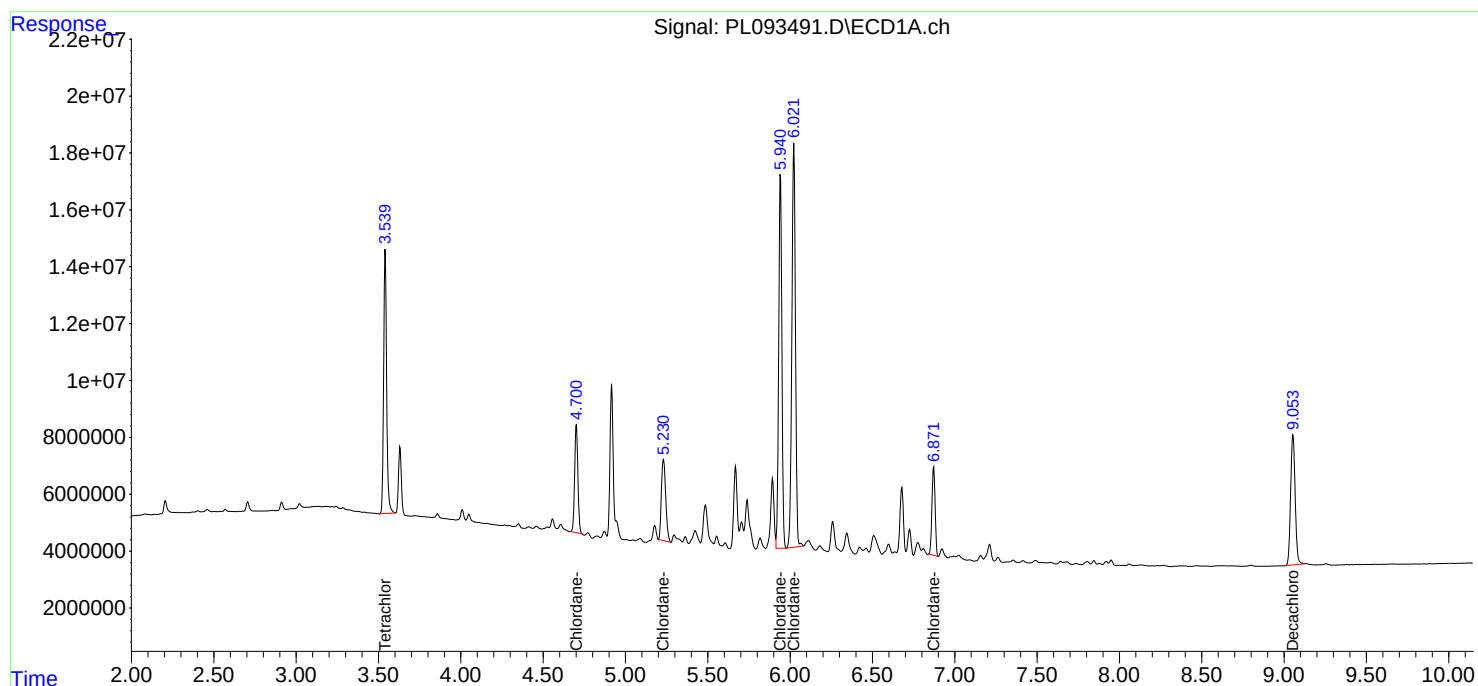
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

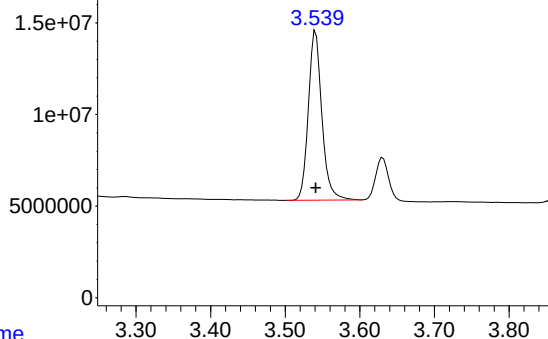
Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

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

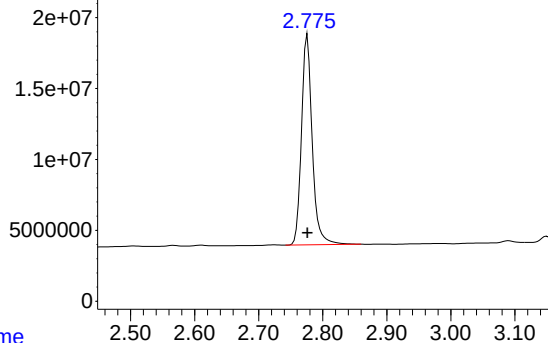


#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

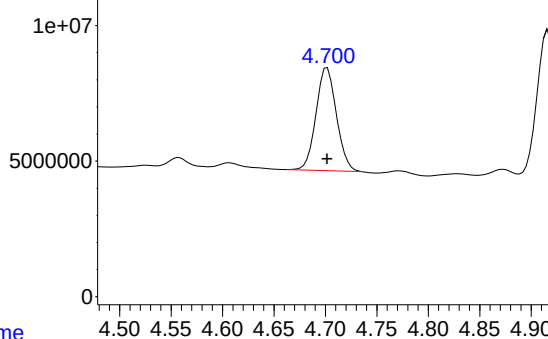
Time Response_ Signal: PL093491.D\ECD2B.ch



#1 Tetrachloro-m-xylene

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

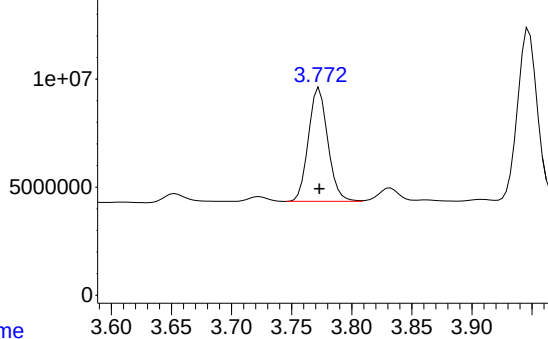
Time Response_ Signal: PL093491.D\ECD1A.ch



#23 Chlordane-1

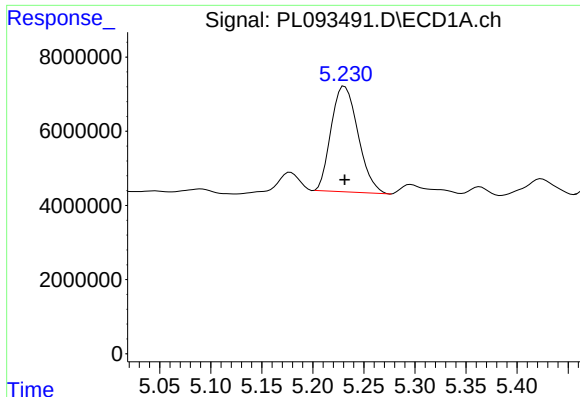
R.T.: 4.702 min
Delta R.T.: 0.000 min
Response: 52505045
Conc: 500.00 ng/ml

Time Response_ Signal: PL093491.D\ECD2B.ch



#23 Chlordane-1

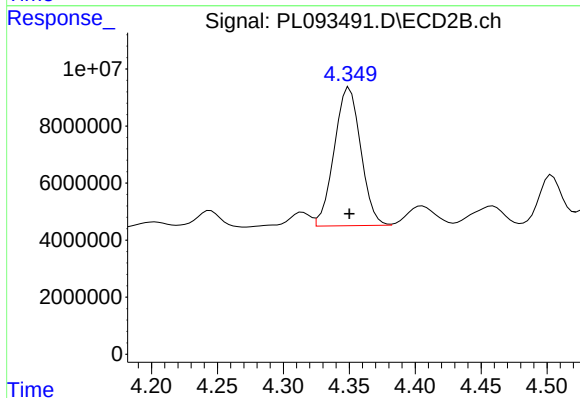
R.T.: 3.773 min
Delta R.T.: 0.000 min
Response: 58990929
Conc: 500.00 ng/ml



#24 Chlordane-2

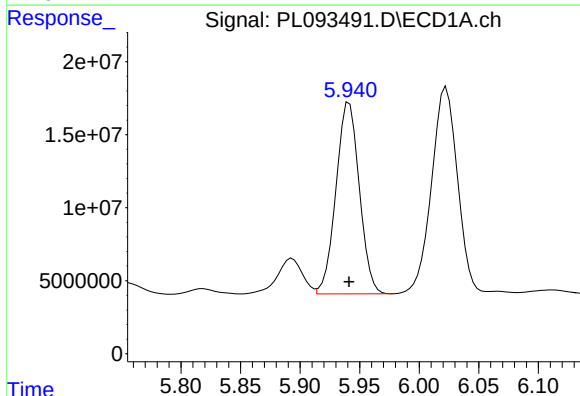
R.T.: 5.231 min
Delta R.T.: 0.000 min
Response: 52346160
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



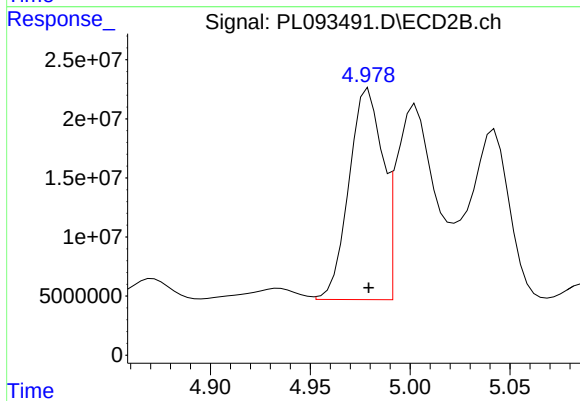
#24 Chlordane-2

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

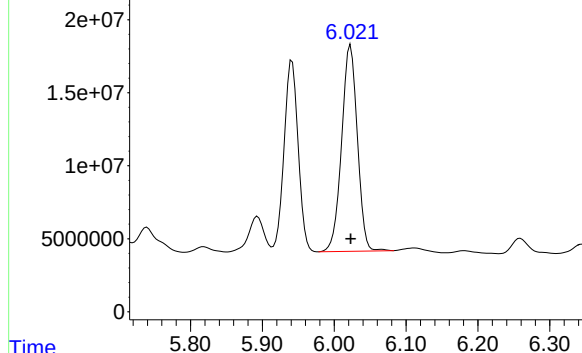
R.T.: 4.979 min
Delta R.T.: 0.000 min
Response: 207986959
Conc: 500.00 ng/ml

Response_ Signal: PL093491.D\ECD1A.ch

#26 Chlordane-4

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

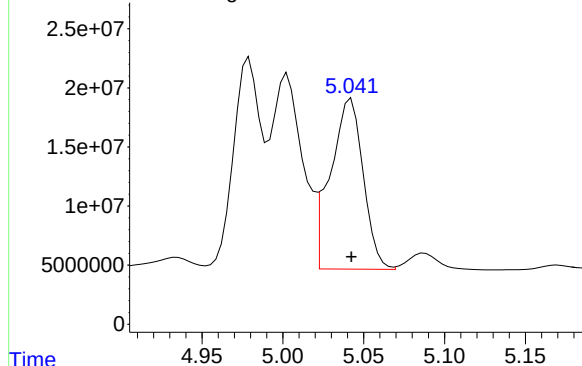
Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



Time Response_ Signal: PL093491.D\ECD2B.ch

#26 Chlordane-4

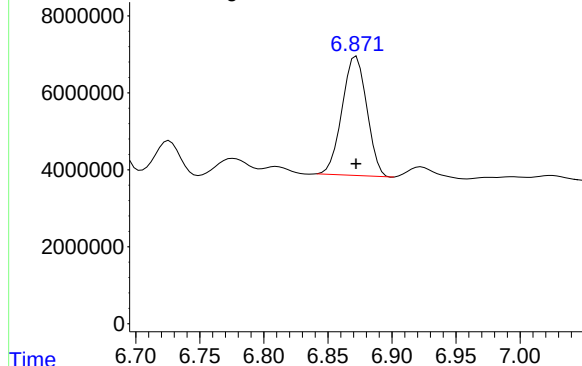
R.T.: 5.042 min
Delta R.T.: 0.000 min
Response: 203680202
Conc: 500.00 ng/ml



Time Response_ Signal: PL093491.D\ECD1A.ch

#27 Chlordane-5

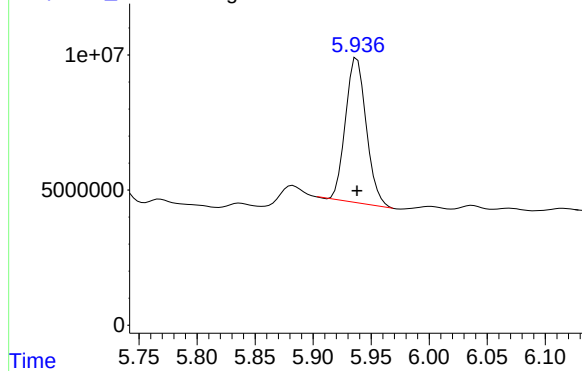
R.T.: 6.872 min
Delta R.T.: 0.000 min
Response: 41412907
Conc: 500.00 ng/ml

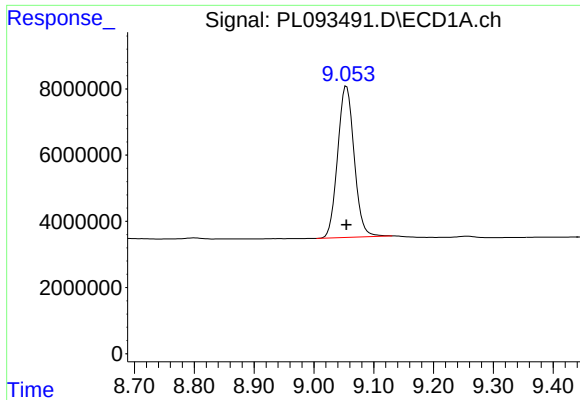


Time Response_ Signal: PL093491.D\ECD2B.ch

#27 Chlordane-5

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





#28 Decachlorobiphenyl

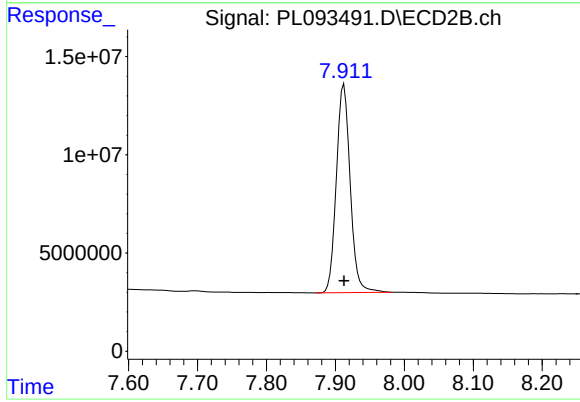
R.T.: 9.055 min

Delta R.T.: 0.000 min

Response: 87811107

Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



#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

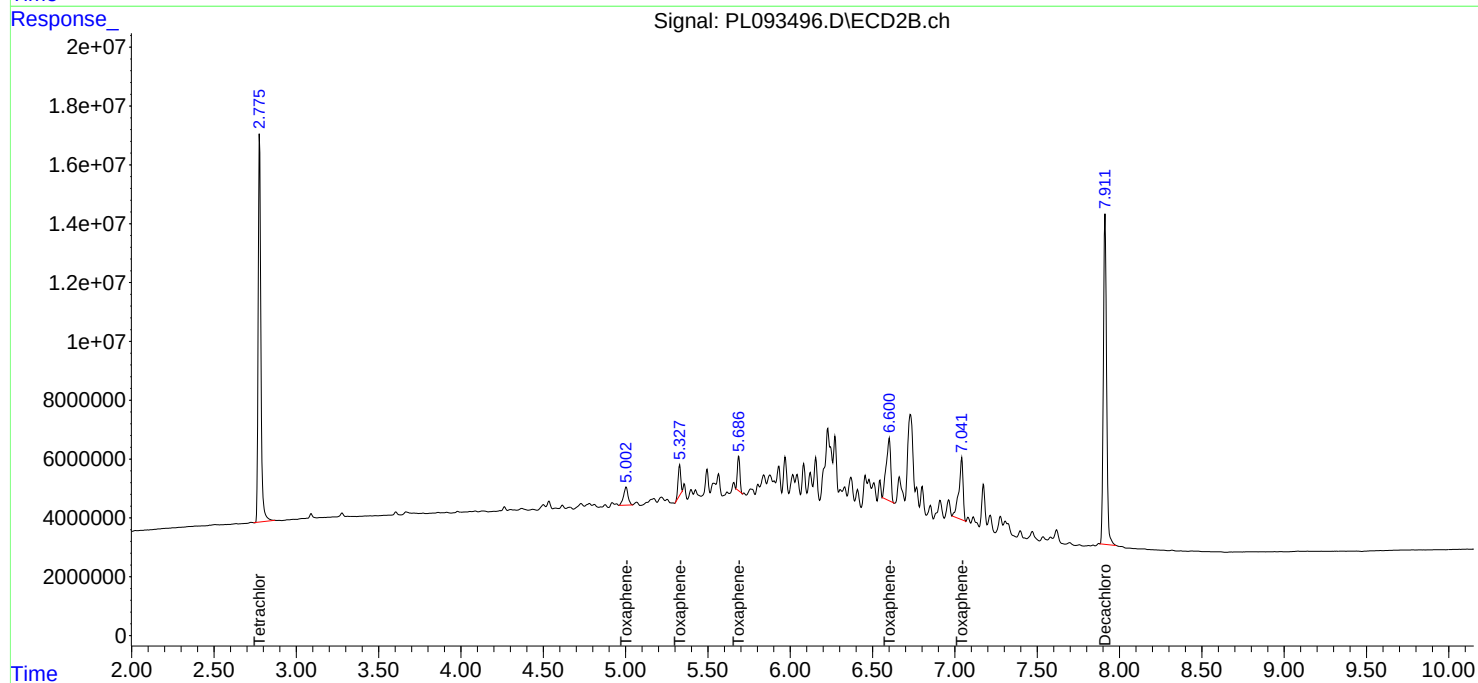
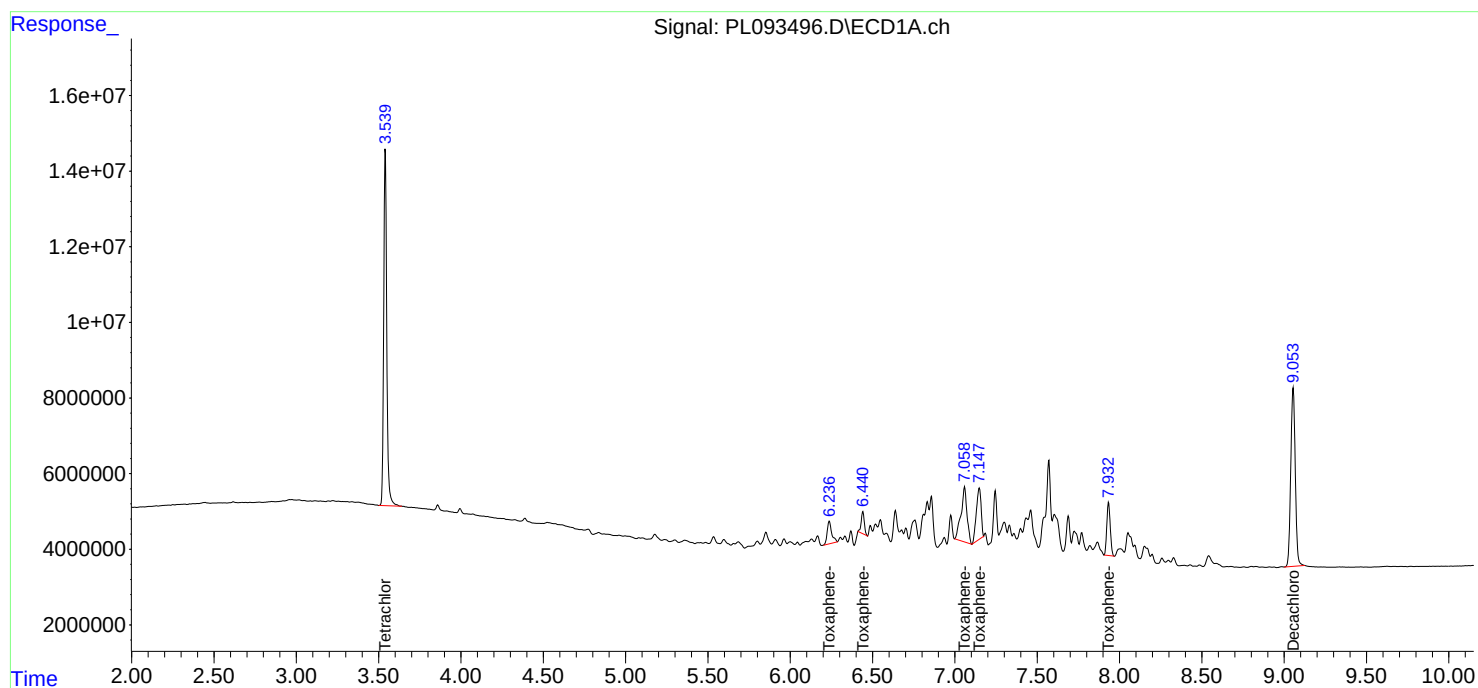
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

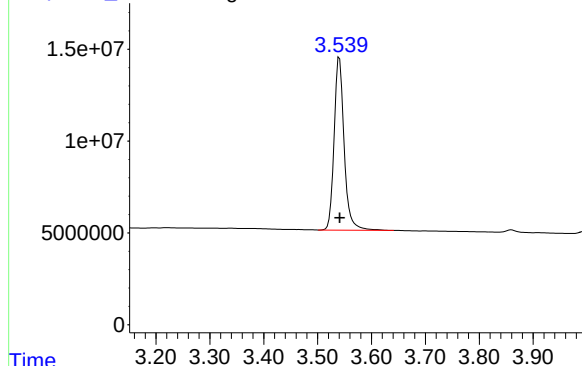
Instrument :
ECD_L
ClientSampleId :
PTOXICC500

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 x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PL093496.D\ECD1A.ch

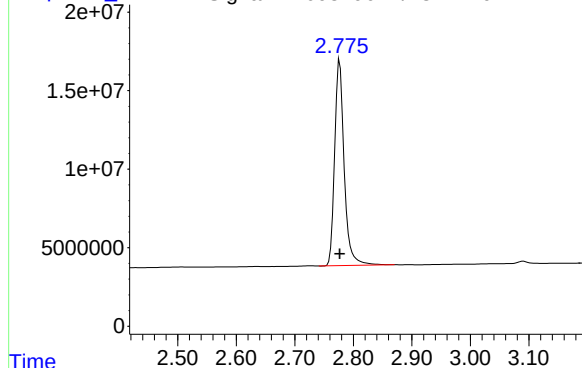


#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

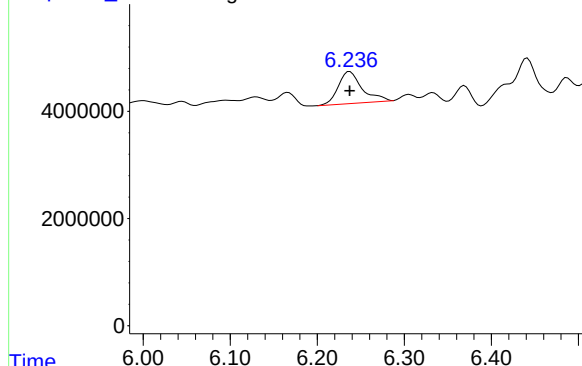
Time Response_ Signal: PL093496.D\ECD2B.ch



#1 Tetrachloro-m-xylene

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

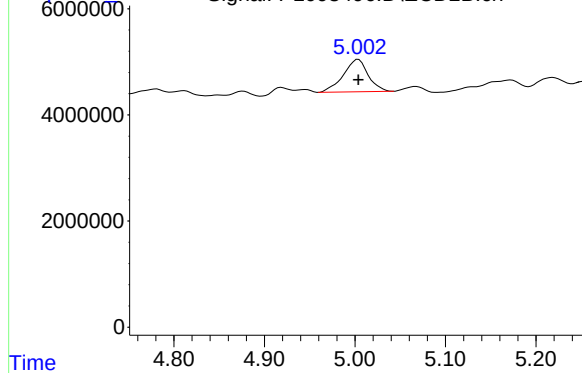
Time Response_ Signal: PL093496.D\ECD1A.ch



#2 Toxaphene-1

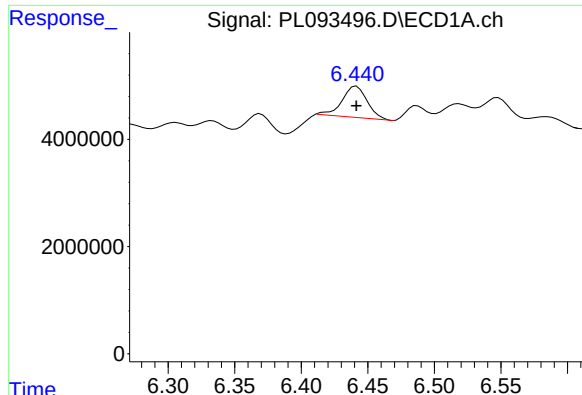
R.T.: 6.237 min
Delta R.T.: 0.000 min
Response: 11382436
Conc: 500.00 ng/ml

Time Response_ Signal: PL093496.D\ECD2B.ch



#2 Toxaphene-1

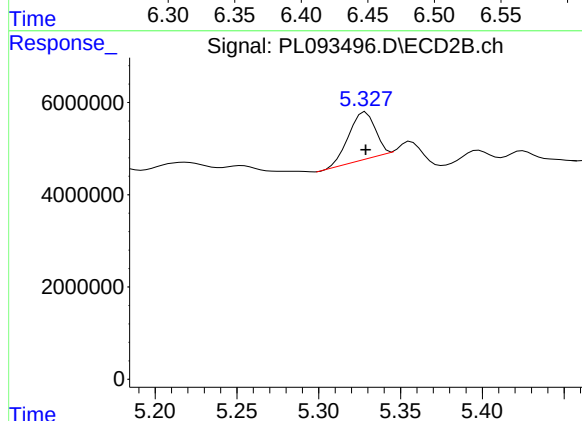
R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 11621530
Conc: 500.00 ng/ml



#3 Toxaphene-2

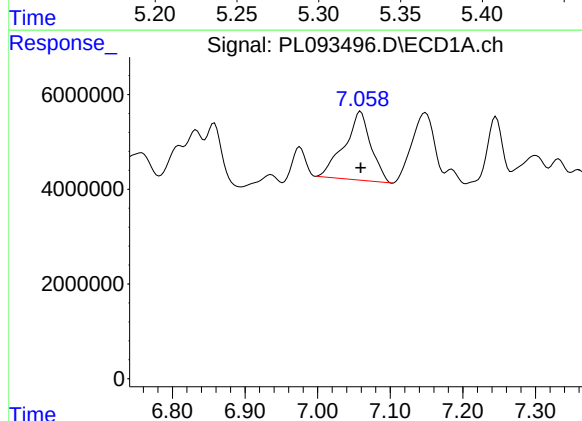
R.T.: 6.442 min
Delta R.T.: 0.000 min
Response: 7636420
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



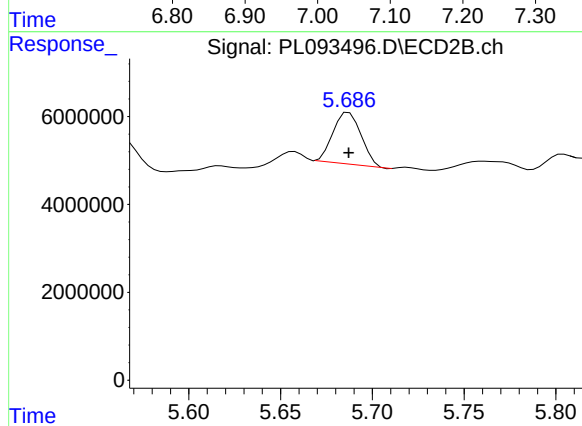
#3 Toxaphene-2

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



#4 Toxaphene-3

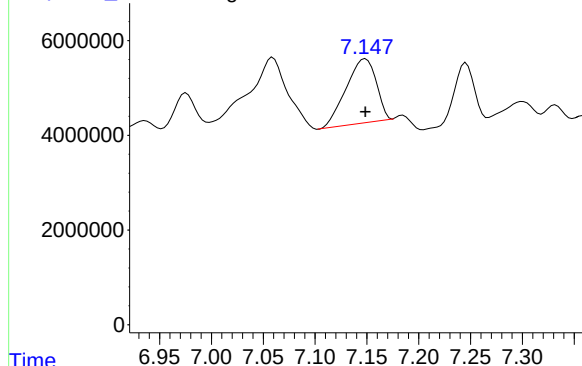
R.T.: 7.059 min
Delta R.T.: 0.000 min
Response: 36561917
Conc: 500.00 ng/ml



#4 Toxaphene-3

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

Response_ Signal: PL093496.D\ECD1A.ch

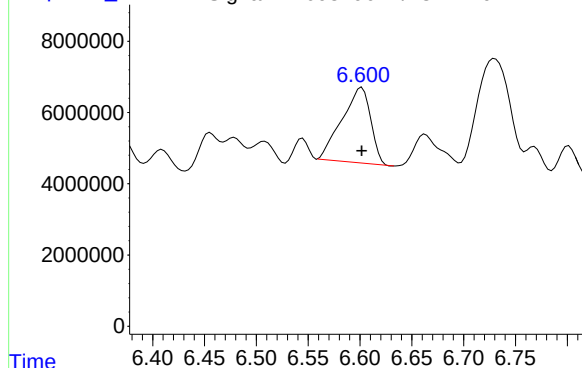


#5 Toxaphene-4

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

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

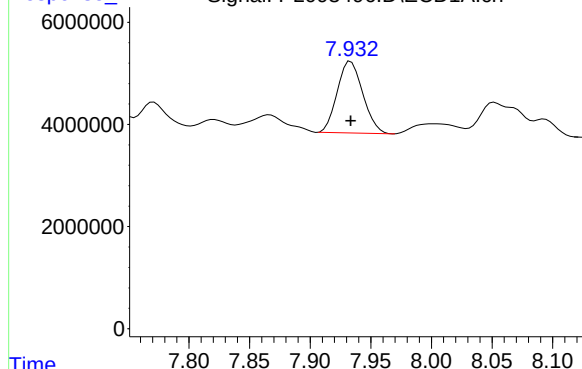
Time Response_ Signal: PL093496.D\ECD2B.ch



#5 Toxaphene-4

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

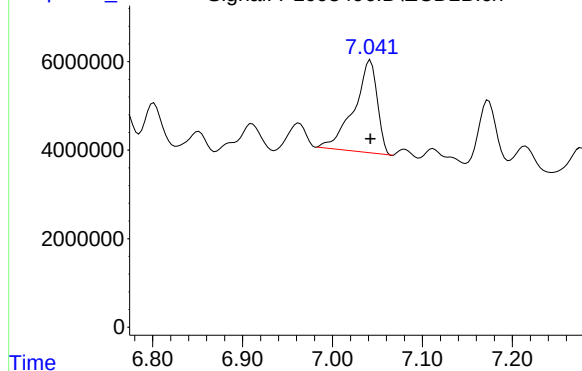
Time Response_ Signal: PL093496.D\ECD1A.ch



#6 Toxaphene-5

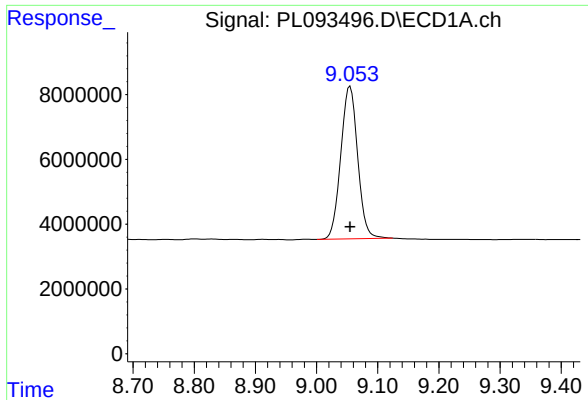
R.T.: 7.933 min
Delta R.T.: 0.000 min
Response: 20583197
Conc: 500.00 ng/ml

Time Response_ Signal: PL093496.D\ECD2B.ch



#6 Toxaphene-5

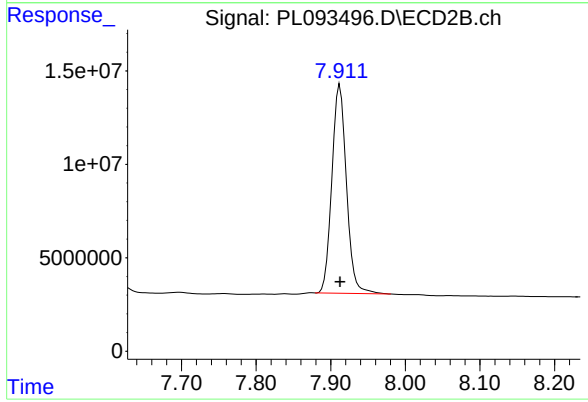
R.T.: 7.042 min
Delta R.T.: 0.000 min
Response: 37623850
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

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

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
28)	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

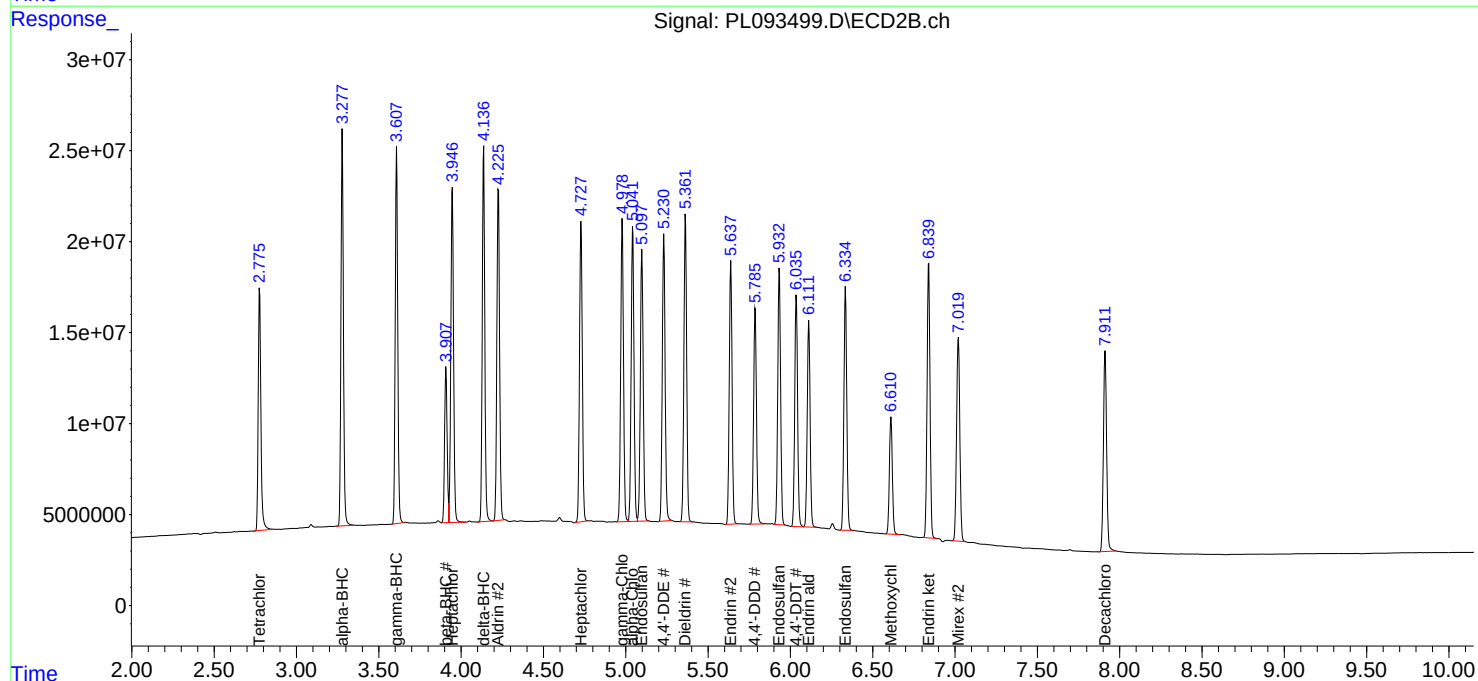
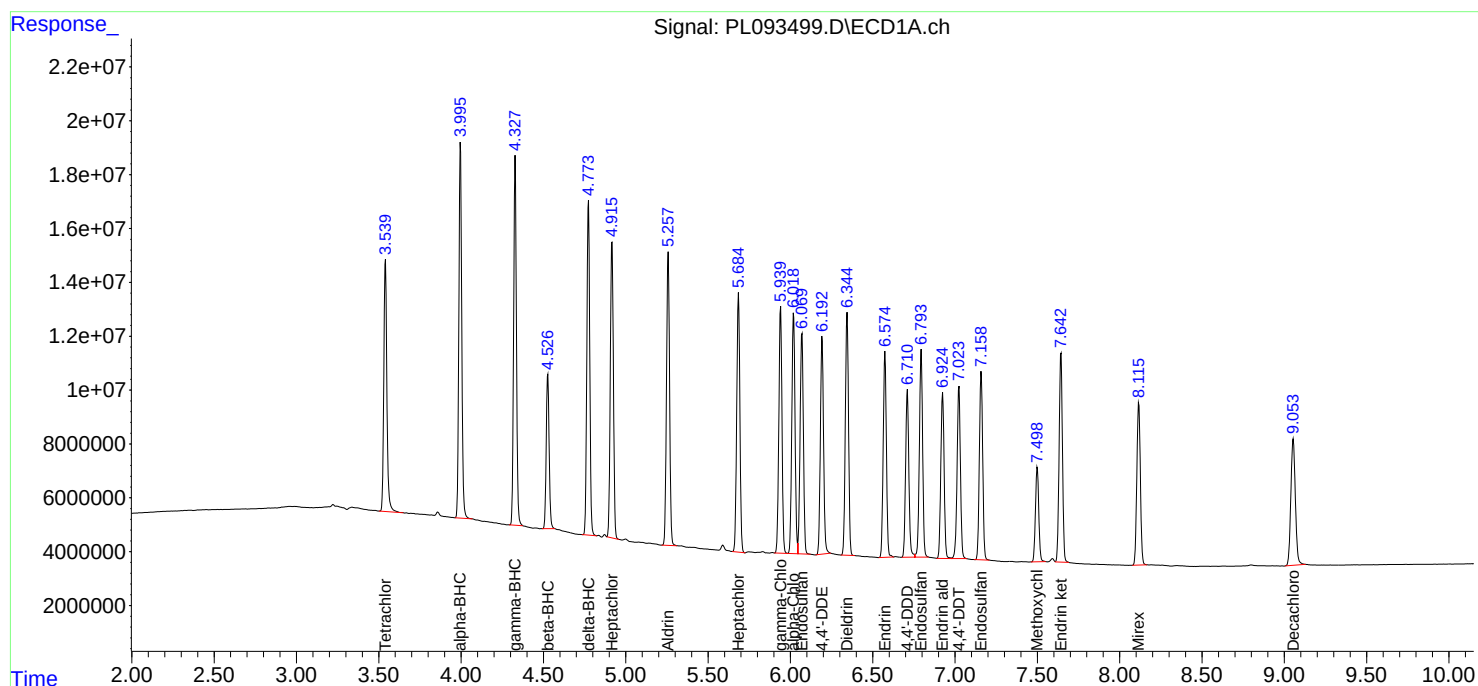
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

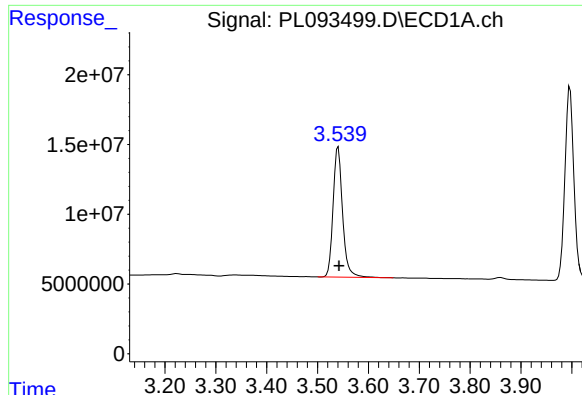
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
Data File : PL093499.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Dec 2024 16:38
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

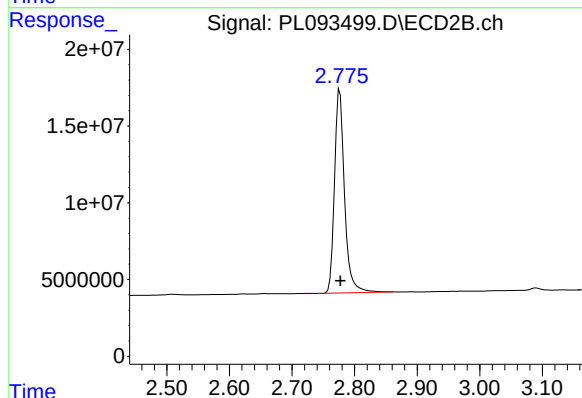




#1 Tetrachloro-m-xylene

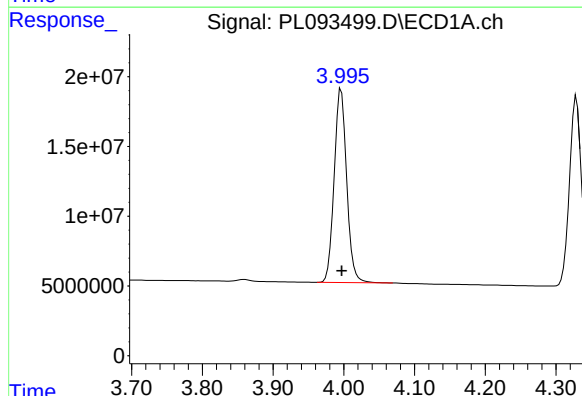
R.T.: 3.541 min
Delta R.T.: -0.001 min
Response: 121155327
Conc: 48.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL122324



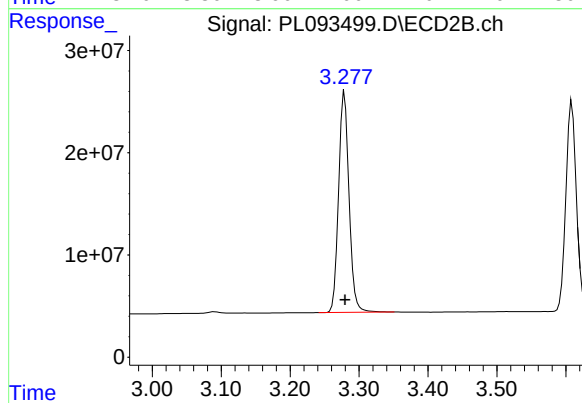
#1 Tetrachloro-m-xylene

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



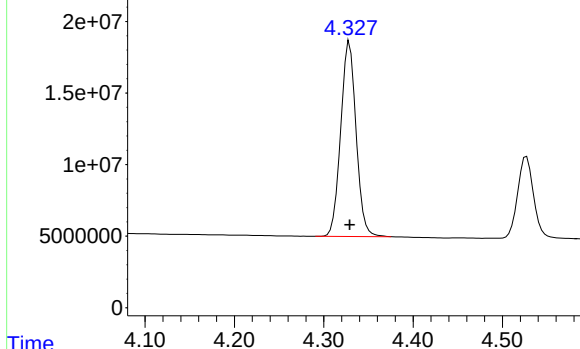
#2 alpha-BHC

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

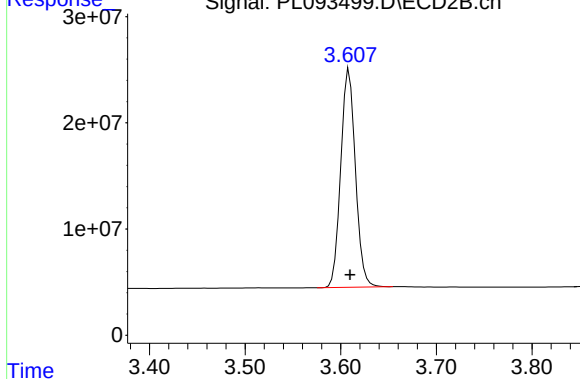
Instrument :
ECD_L
ClientSampleId :
ICVPL122324

Time

Response

Signal: PL093499.D\ECD2B.ch

#3 gamma-BHC (Lindane)



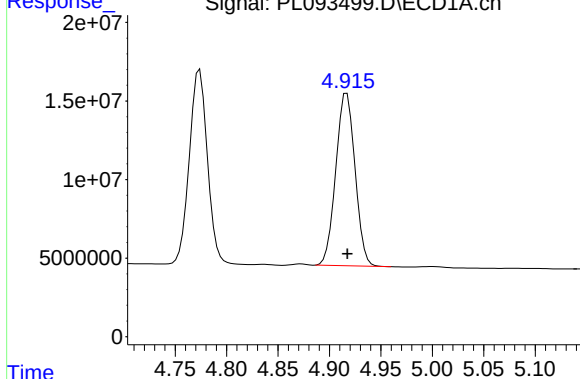
R.T.: 3.609 min
Delta R.T.: -0.001 min
Response: 219951714
Conc: 52.13 ng/ml

Time

Response

Signal: PL093499.D\ECD1A.ch

#4 Heptachlor



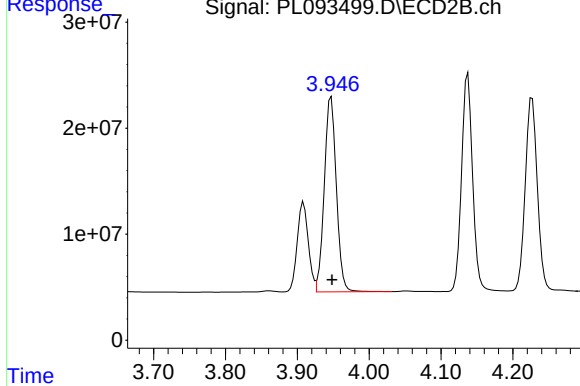
R.T.: 4.917 min
Delta R.T.: 0.000 min
Response: 142961596
Conc: 48.82 ng/ml

Time

Response

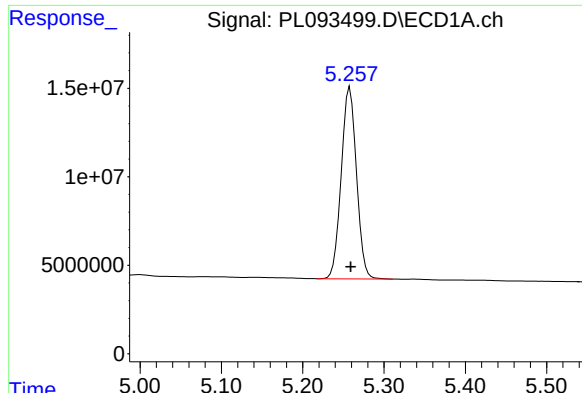
Signal: PL093499.D\ECD2B.ch

#4 Heptachlor



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

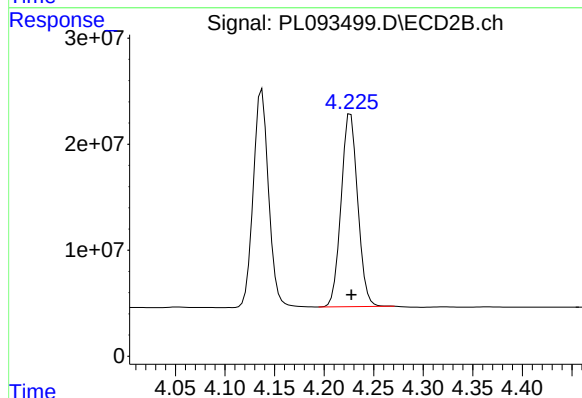
Time



#5 Aldrin

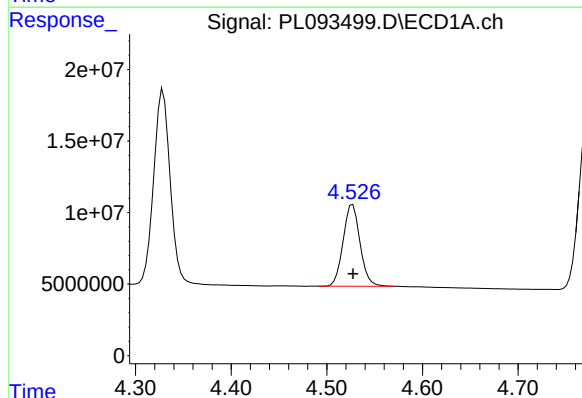
R.T.: 5.258 min
Delta R.T.: 0.000 min
Response: 140934342
Conc: 48.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL122324



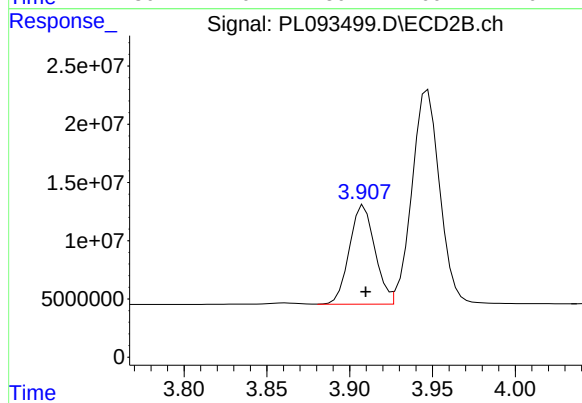
#5 Aldrin

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



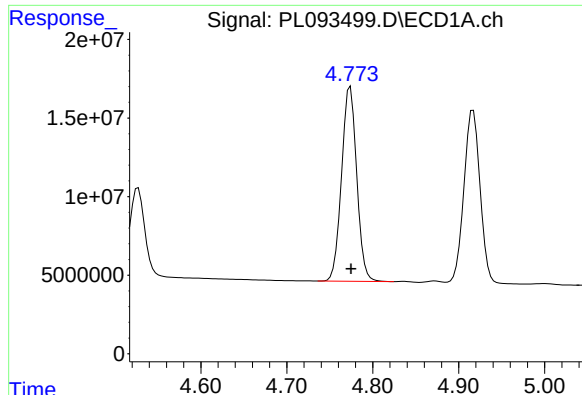
#6 beta-BHC

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



#6 beta-BHC

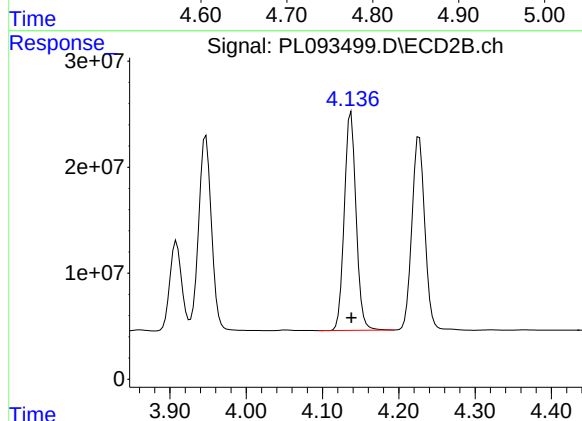
R.T.: 3.909 min
Delta R.T.: 0.000 min
Response: 91080460
Conc: 50.67 ng/ml



#7 delta-BHC

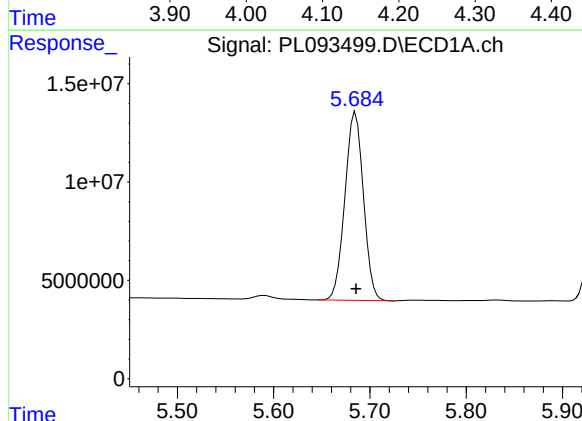
R.T.: 4.774 min
Delta R.T.: 0.000 min
Response: 151684912
Conc: 49.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL122324



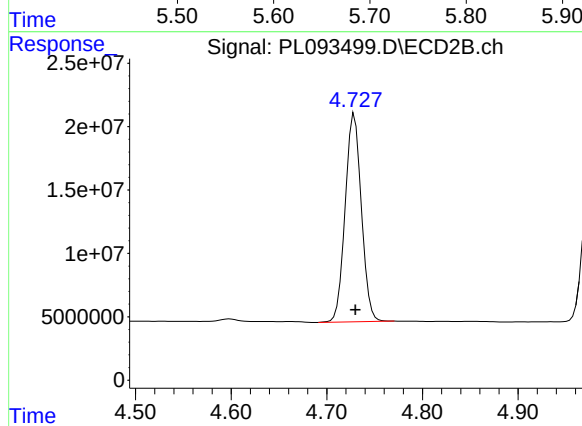
#7 delta-BHC

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



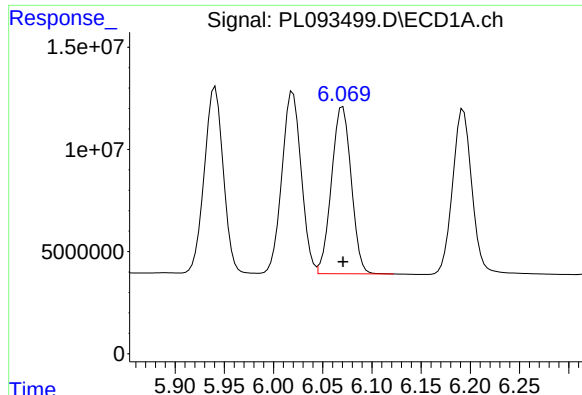
#8 Heptachlor epoxide

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



#8 Heptachlor epoxide

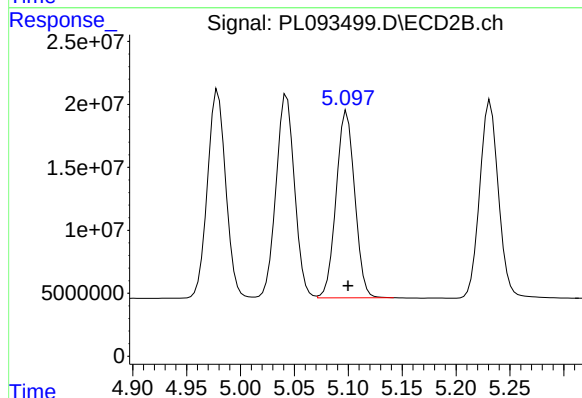
R.T.: 4.729 min
Delta R.T.: -0.001 min
Response: 193921780
Conc: 50.65 ng/ml



#9 Endosulfan I

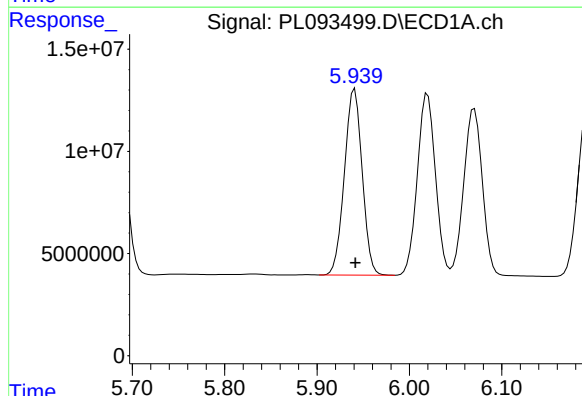
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 114104984
Conc: 48.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL122324



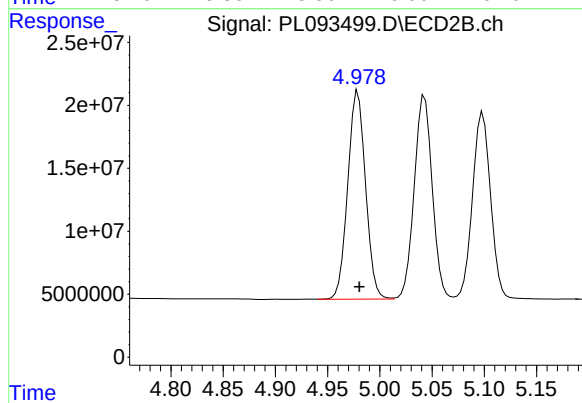
#9 Endosulfan I

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



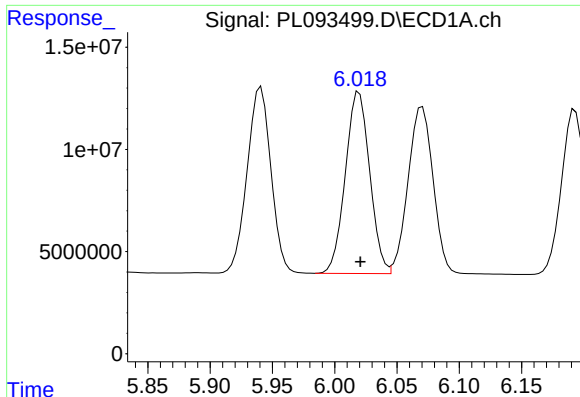
#10 gamma-Chlordane

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



#10 gamma-Chlordane

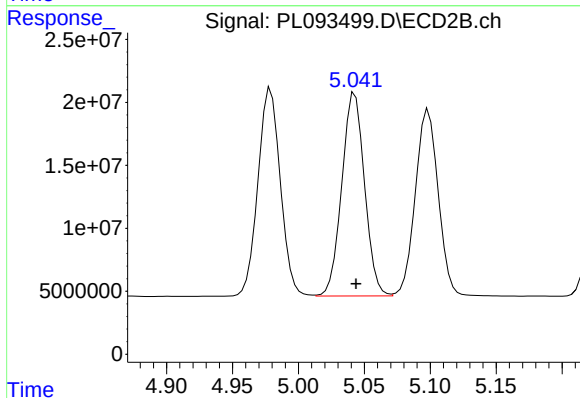
R.T.: 4.979 min
Delta R.T.: -0.001 min
Response: 195868548
Conc: 50.84 ng/ml



#11 alpha-Chlordane

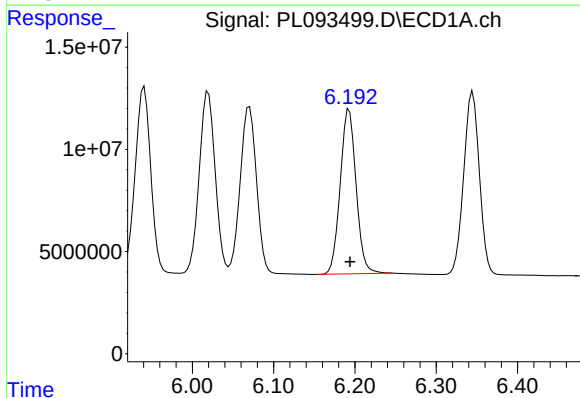
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 121470248
Conc: 48.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL122324



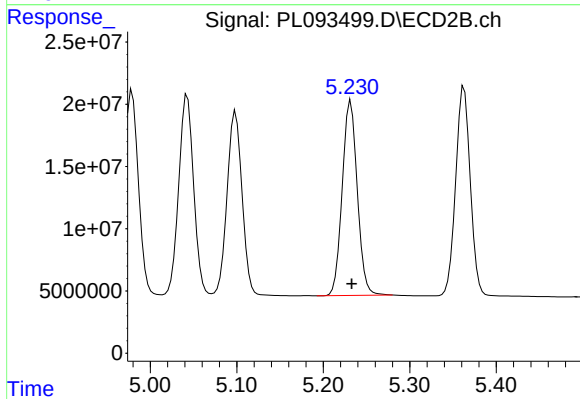
#11 alpha-Chlordane

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



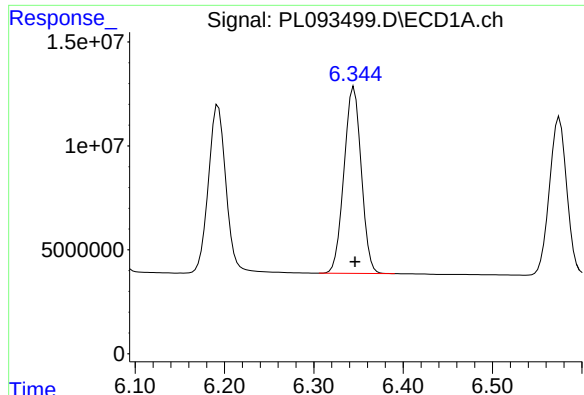
#12 4,4'-DDE

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



#12 4,4'-DDE

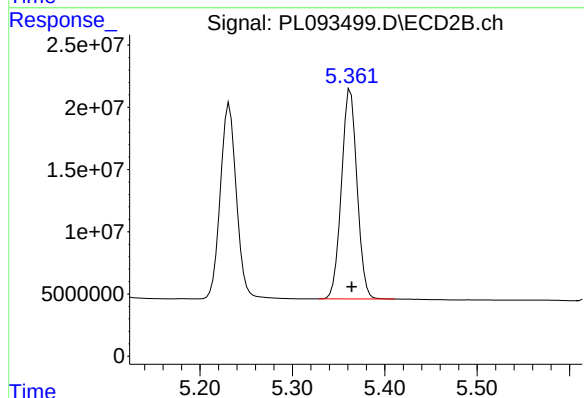
R.T.: 5.232 min
Delta R.T.: -0.001 min
Response: 188219305
Conc: 51.18 ng/ml



#13 Dieldrin

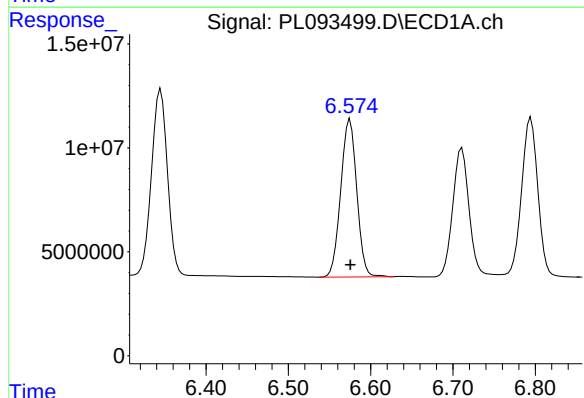
R.T.: 6.345 min
Delta R.T.: -0.001 min
Response: 120466464
Conc: 48.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL122324



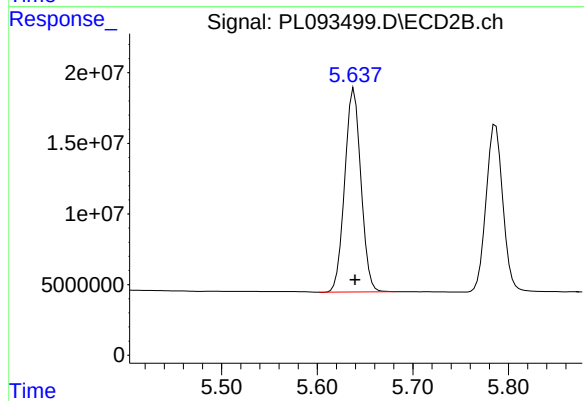
#13 Dieldrin

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



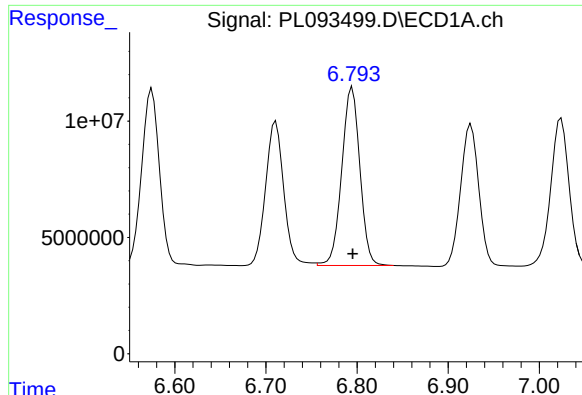
#14 Endrin

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



#14 Endrin

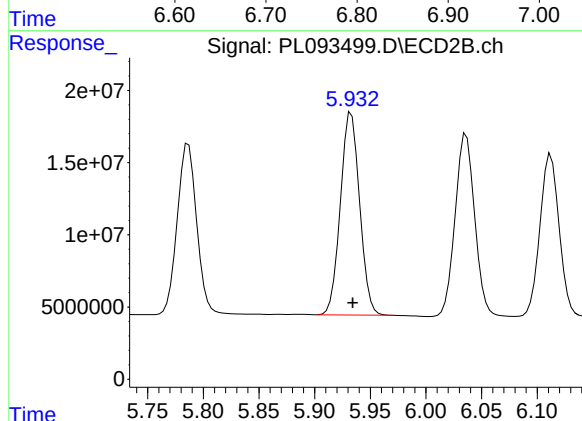
R.T.: 5.638 min
Delta R.T.: -0.001 min
Response: 170232968
Conc: 51.46 ng/ml



#15 Endosulfan II

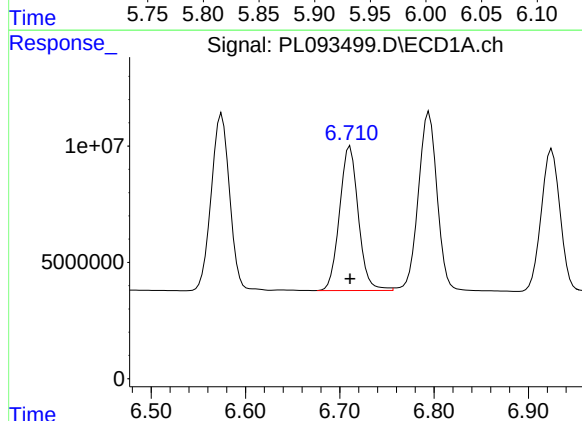
R.T.: 6.795 min
Delta R.T.: 0.000 min
Response: 105780210
Conc: 46.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL122324



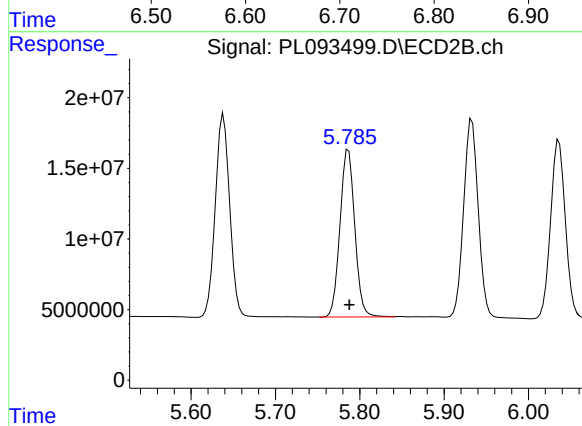
#15 Endosulfan II

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

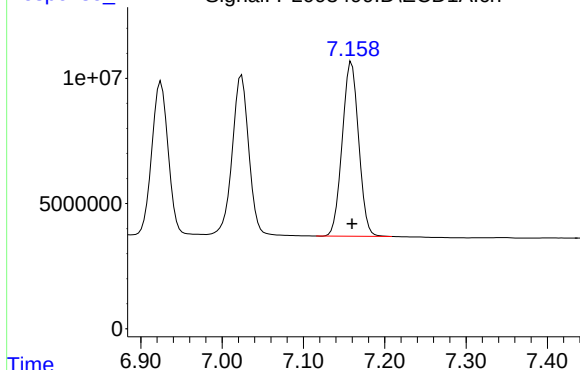
Time

Response_ Signal: PL093499.D\ECD2B.ch

#18 Endrin aldehyde

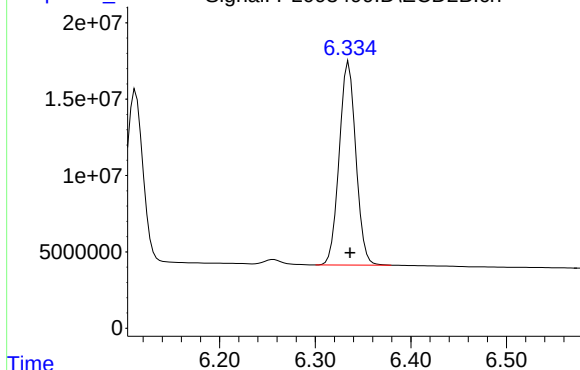
R.T.: 6.112 min
Delta R.T.: -0.001 min
Response: 136160987
Conc: 50.56 ng/ml

Time

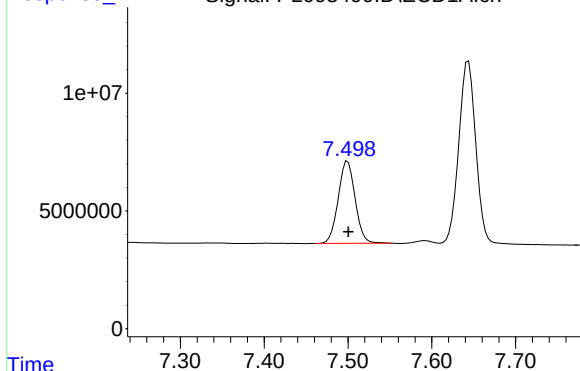


R.T.: 7.159 min
Delta R.T.: 0.000 min
Response: 97479247
Conc: 48.28 ng/ml

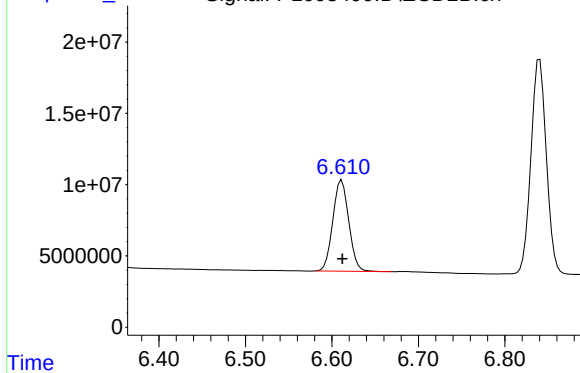
Instrument :
ECD_L
ClientSampleId :
ICVPL122324



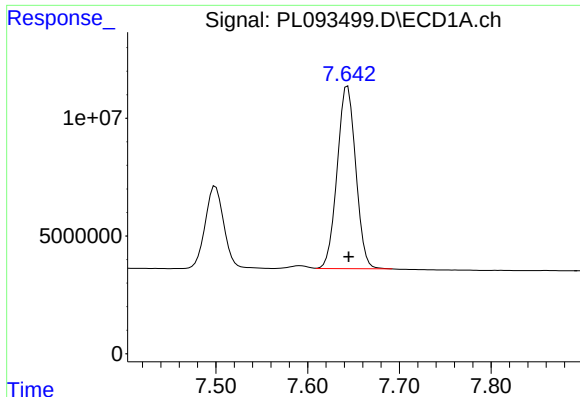
R.T.: 6.335 min
Delta R.T.: -0.002 min
Response: 161251260
Conc: 51.12 ng/ml



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



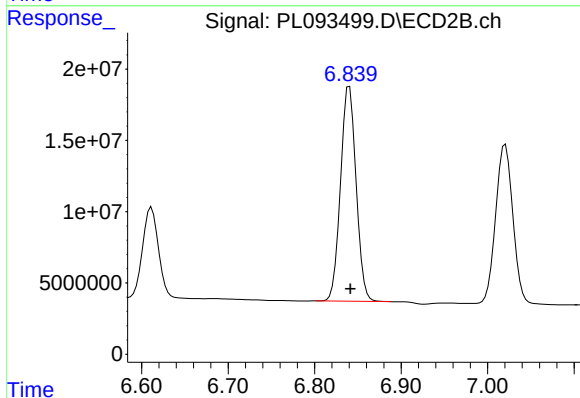
R.T.: 6.611 min
Delta R.T.: 0.000 min
Response: 81615484
Conc: 50.70 ng/ml



#21 Endrin ketone

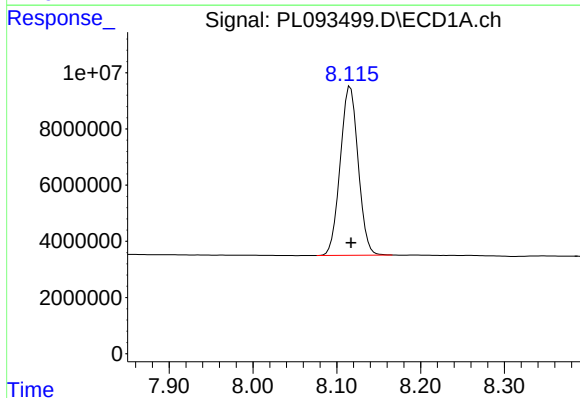
R.T.: 7.644 min
Delta R.T.: -0.001 min
Response: 109061785
Conc: 48.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL122324



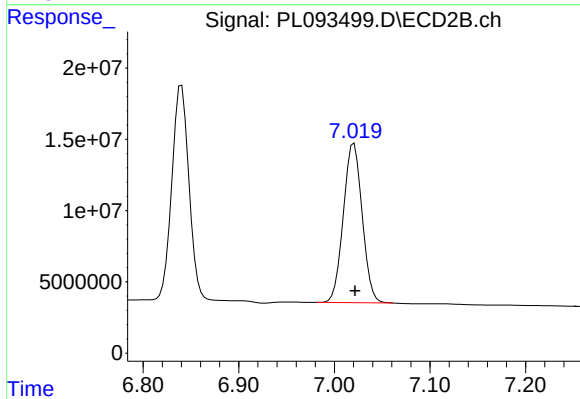
#21 Endrin ketone

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



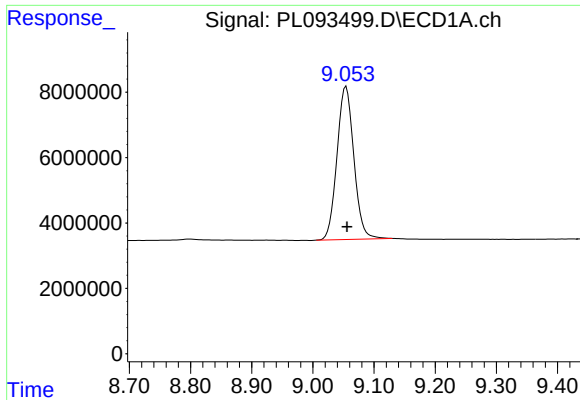
#22 Mirex

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



#22 Mirex

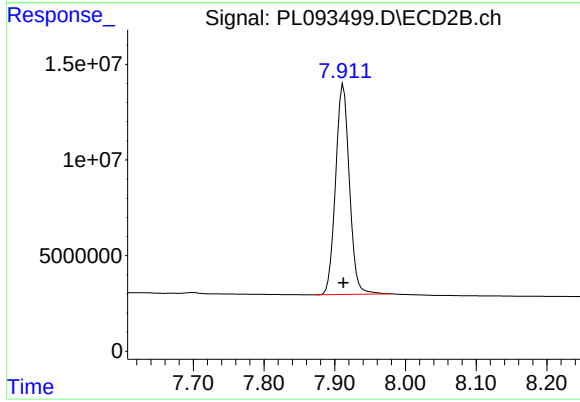
R.T.: 7.021 min
Delta R.T.: -0.001 min
Response: 153356657
Conc: 50.17 ng/ml



#28 Decachlorobiphenyl

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

Instrument :
ECD_L
ClientSampleId :
ICVPL122324



#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.: Q1109 SAS No.: Q1109 SDG NO.: Q1109

Continuing Calib Date: 01/20/2025 Initial Calibration Date(s): 12/23/2024 12/23/2024

Continuing Calib Time: 09:18 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	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.01
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.77	4.78	4.68	4.88	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.01
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.69	5.59	5.79	0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.35	6.25	6.45	0.01
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.80	6.70	6.90	0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.02	7.03	6.93	7.13	0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.65	7.55	7.75	0.01
Endrin aldehyde	6.92	6.93	6.83	7.03	0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00
Mirex	8.12	8.12	8.02	8.22	0.00

CALIBRATION VERIFICATION SUMMARY

 Contract: WEST04

 Lab Code: CHEM Case No.: Q1109 SAS No.: Q1109 SDG NO.: Q1109

 Continuing Calib Date: 01/20/2025 Initial Calibration Date(s): 12/23/2024 12/23/2024

 Continuing Calib Time: 09:18 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
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	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
Aldrin	4.23	4.23	4.13	4.33	0.01
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.23	5.23	5.13	5.33	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.01
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00
Mirex	7.02	7.02	6.92	7.12	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: Q1109 SAS No.: Q1109 SDG NO.: Q1109

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

Client Sample No.: CCAL01 Date Analyzed: 01/20/2025

Lab Sample No.: PSTDCCC050 Data File : PL093696.D Time Analyzed: 09:18

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.709	6.611	6.811	54.950	50.000	9.9
4,4'-DDE	6.192	6.094	6.294	54.540	50.000	9.1
4,4'-DDT	7.023	6.925	7.125	52.940	50.000	5.9
Aldrin	5.257	5.159	5.359	54.320	50.000	8.6
alpha-BHC	3.995	3.897	4.097	54.630	50.000	9.3
alpha-Chlordane	6.018	5.920	6.120	53.040	50.000	6.1
beta-BHC	4.526	4.427	4.627	54.770	50.000	9.5
Decachlorobiphenyl	9.055	8.956	9.156	51.380	50.000	2.8
delta-BHC	4.773	4.675	4.875	56.090	50.000	12.2
Dieldrin	6.344	6.246	6.446	52.250	50.000	4.5
Endosulfan I	6.069	5.971	6.171	52.590	50.000	5.2
Endosulfan II	6.794	6.695	6.895	48.700	50.000	-2.6
Endosulfan sulfate	7.159	7.060	7.260	51.640	50.000	3.3
Endrin	6.574	6.475	6.675	50.760	50.000	1.5
Endrin aldehyde	6.924	6.826	7.026	51.170	50.000	2.3
Endrin ketone	7.643	7.545	7.745	51.750	50.000	3.5
gamma-BHC (Lindane)	4.327	4.229	4.429	55.380	50.000	10.8
gamma-Chlordane	5.939	5.841	6.041	52.690	50.000	5.4
Heptachlor	4.915	4.818	5.018	54.020	50.000	8.0
Heptachlor epoxide	5.683	5.586	5.786	53.050	50.000	6.1
Methoxychlor	7.500	7.400	7.600	53.310	50.000	6.6
Mirex	8.116	8.017	8.217	50.310	50.000	0.6
Tetrachloro-m-xylene	3.539	3.442	3.642	53.940	50.000	7.9



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CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: Q1109 SAS No.: Q1109 SDG NO.: Q1109

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

Client Sample No.: CCAL01 Date Analyzed: 01/20/2025

Lab Sample No.: PSTDCCC050 Data File : PL093696.D Time Analyzed: 09:18

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.785	5.688	5.888	59.400	50.000	18.8
4,4'-DDE	5.231	5.133	5.333	56.910	50.000	13.8
4,4'-DDT	6.036	5.937	6.137	54.630	50.000	9.3
Aldrin	4.225	4.128	4.328	56.960	50.000	13.9
alpha-BHC	3.278	3.180	3.380	57.770	50.000	15.5
alpha-Chlordane	5.042	4.944	5.144	55.720	50.000	11.4
beta-BHC	3.908	3.810	4.010	57.160	50.000	14.3
Decachlorobiphenyl	7.911	7.812	8.012	51.060	50.000	2.1
delta-BHC	4.136	4.038	4.238	57.910	50.000	15.8
Dieldrin	5.362	5.264	5.464	55.890	50.000	11.8
Endosulfan I	5.098	5.000	5.200	56.110	50.000	12.2
Endosulfan II	5.932	5.834	6.034	56.610	50.000	13.2
Endosulfan sulfate	6.335	6.237	6.437	54.250	50.000	8.5
Endrin	5.638	5.540	5.740	55.140	50.000	10.3
Endrin aldehyde	6.112	6.013	6.213	54.790	50.000	9.6
Endrin ketone	6.840	6.742	6.942	54.250	50.000	8.5
gamma-BHC (Lindane)	3.608	3.510	3.710	57.510	50.000	15.0
gamma-Chlordane	4.978	4.880	5.080	56.100	50.000	12.2
Heptachlor	3.946	3.848	4.048	55.070	50.000	10.1
Heptachlor epoxide	4.728	4.630	4.830	55.340	50.000	10.7
Methoxychlor	6.610	6.512	6.712	51.220	50.000	2.4
Mirex	7.020	6.922	7.122	51.730	50.000	3.5
Tetrachloro-m-xylene	2.776	2.677	2.877	56.460	50.000	12.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012025\
Data File : PL093696.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Jan 2025 09:18
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 20 12:14:12 2025
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	133.5E6	164.4E6	53.936	56.461
28) SA Decachlor...	9.055	7.911	94996468	152.5E6	51.377	51.060
Target Compounds						
2) A alpha-BHC	3.995	3.278	188.6E6	251.1E6	54.625	57.769
3) MA gamma-BHC...	4.327	3.608	181.6E6	242.7E6	55.379	57.511
4) MA Heptachlor	4.915	3.946	158.2E6	228.9E6	54.023	55.075
5) MB Aldrin	5.257	4.225	158.0E6	233.7E6	54.319	56.964
6) B beta-BHC	4.526	3.908	78958312	102.7E6	54.772	57.162
7) B delta-BHC	4.773	4.136	171.8E6	244.9E6	56.090	57.907
8) B Heptachlo...	5.683	4.728	139.8E6	211.9E6	53.051	55.336
9) A Endosulfan I	6.069	5.098	124.1E6	196.1E6	52.595	56.115
10) B gamma-Chl...	5.939	4.978	132.4E6	216.2E6	52.687	56.099
11) B alpha-Chl...	6.018	5.042	132.7E6	212.1E6	53.036	55.720
12) B 4,4'-DDE	6.192	5.231	122.4E6	209.3E6	54.537	56.908
13) MA Dieldrin	6.344	5.362	130.4E6	215.4E6	52.254	55.887
14) MA Endrin	6.574	5.638	109.3E6	182.4E6	50.758	55.137
15) B Endosulfa...	6.794	5.932	110.7E6	183.9E6	48.698	56.605
16) A 4,4'-DDD	6.709	5.785	96489871	168.1E6	54.950	59.402
17) MA 4,4'-DDT	7.023	6.036	97853238	165.0E6	52.936	54.632
18) B Endrin al...	6.924	6.112	90803618	147.5E6	51.171	54.788
19) B Endosulfa...	7.159	6.335	104.3E6	171.1E6	51.636	54.249
20) A Methoxychlor	7.500	6.610	53294999	82441460	53.312	51.217
21) B Endrin ke...	7.643	6.840	116.1E6	197.5E6	51.755	54.252
22) Mirex	8.116	7.020	94015496	158.1E6	50.310	51.734

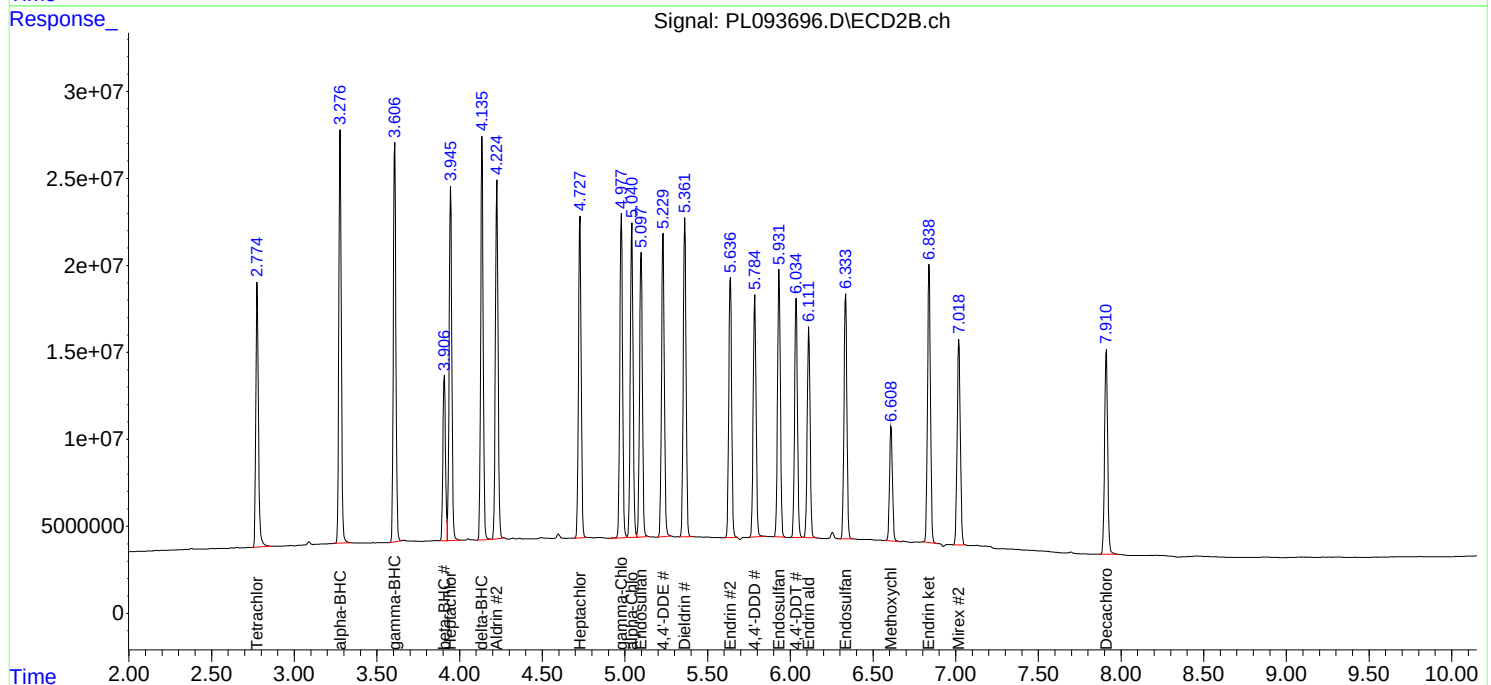
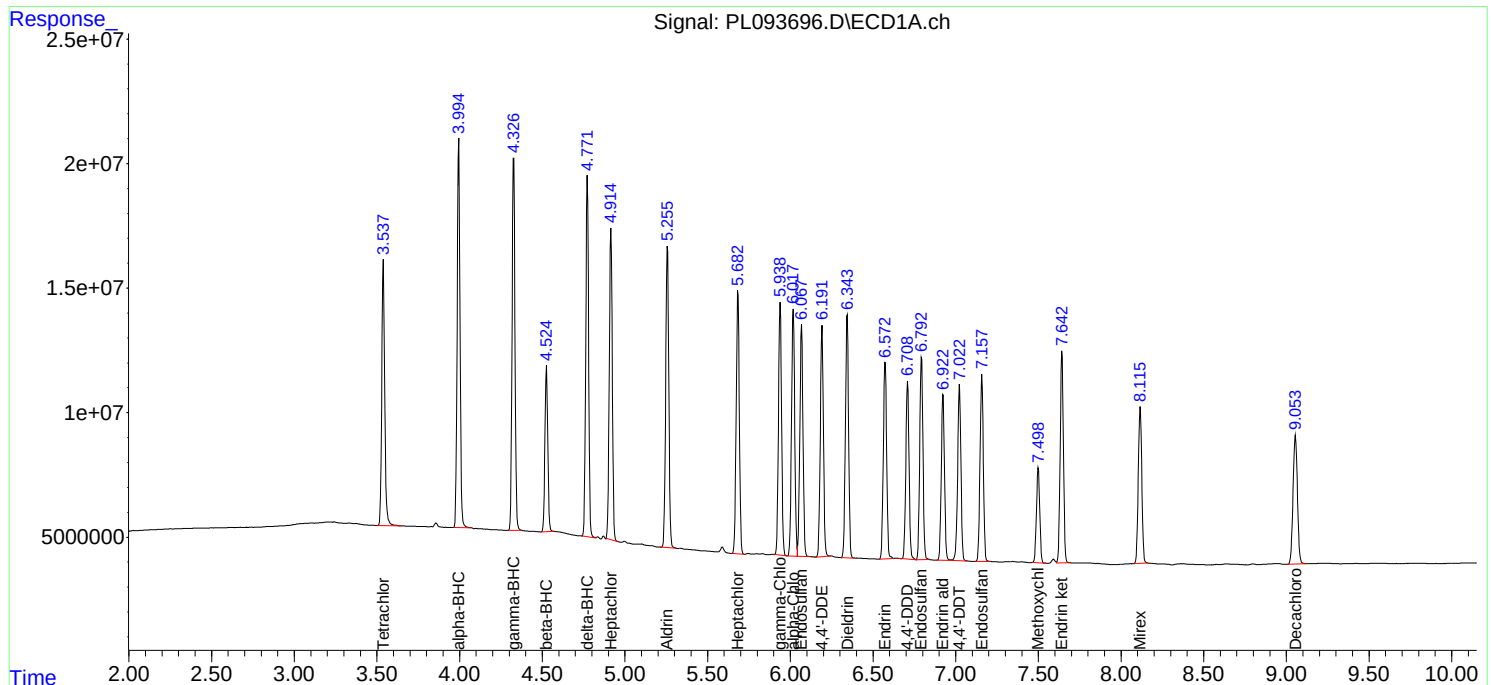
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

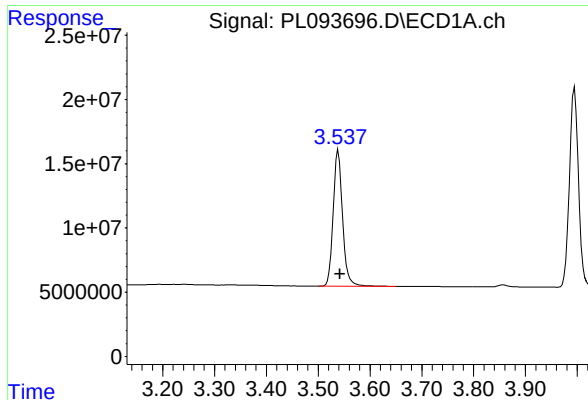
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012025\
Data File : PL093696.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Jan 2025 09:18
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 20 12:14:12 2025
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

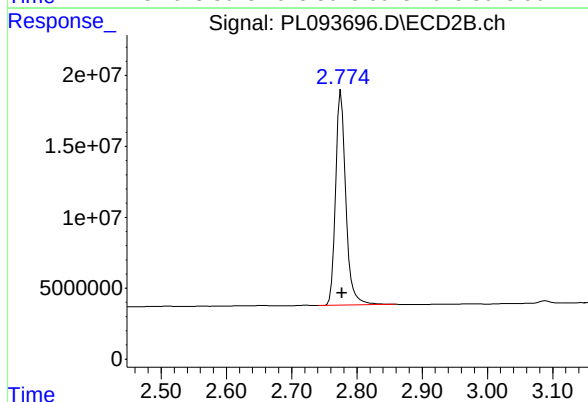




#1 Tetrachloro-m-xylene

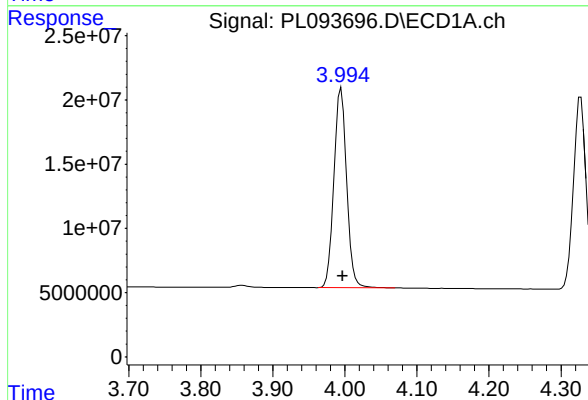
R.T.: 3.539 min
Delta R.T.: -0.003 min
Response: 133527855
Conc: 53.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



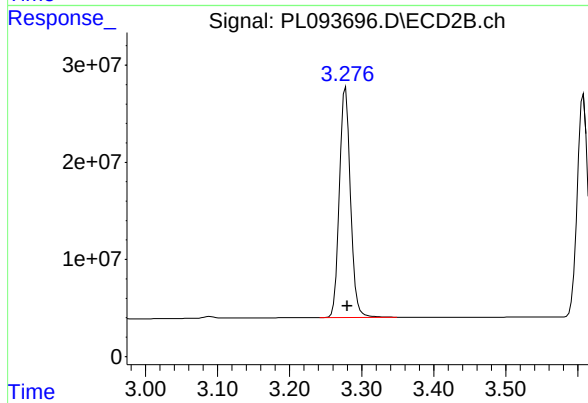
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.002 min
Response: 164368347
Conc: 56.46 ng/ml



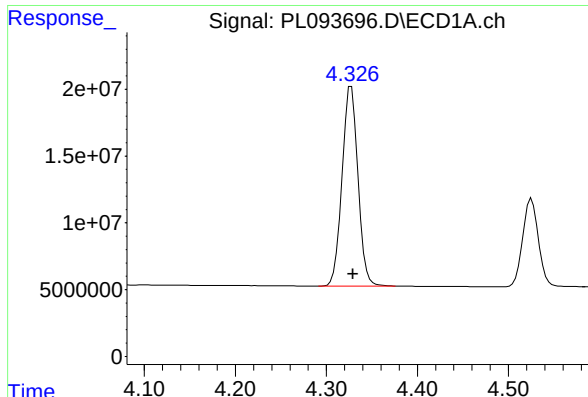
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: -0.002 min
Response: 188586637
Conc: 54.63 ng/ml



#2 alpha-BHC

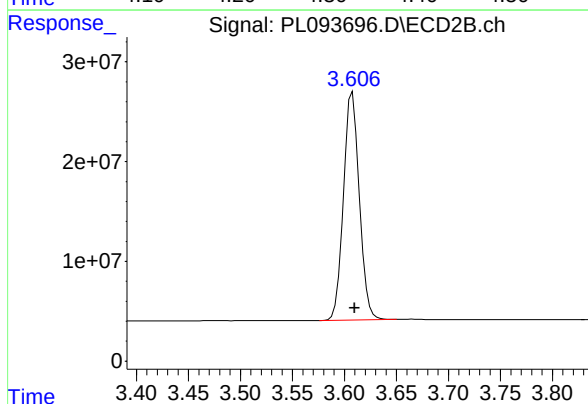
R.T.: 3.278 min
Delta R.T.: -0.002 min
Response: 251108663
Conc: 57.77 ng/ml



#3 gamma-BHC (Lindane)

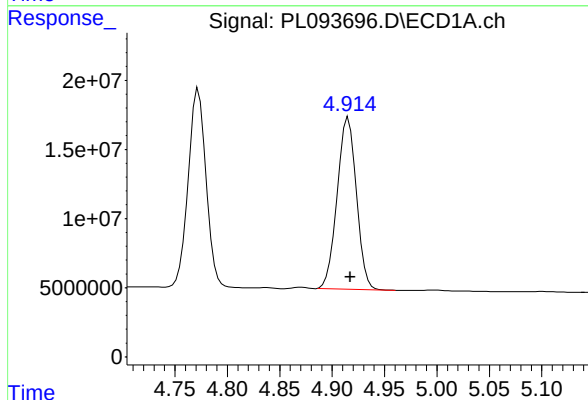
R.T.: 4.327 min
Delta R.T.: -0.002 min
Response: 181610129
Conc: 55.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



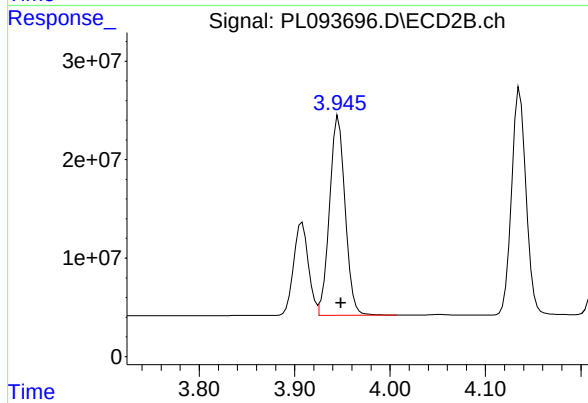
#3 gamma-BHC (Lindane)

R.T.: 3.608 min
Delta R.T.: -0.002 min
Response: 242658724
Conc: 57.51 ng/ml



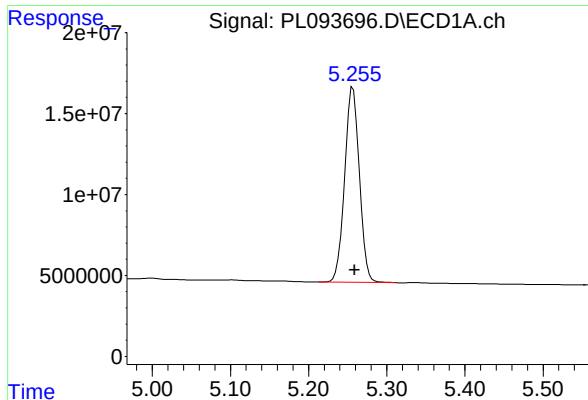
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: -0.002 min
Response: 158197413
Conc: 54.02 ng/ml



#4 Heptachlor

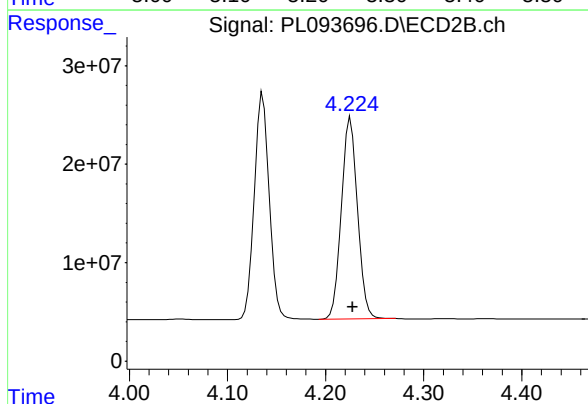
R.T.: 3.946 min
Delta R.T.: -0.002 min
Response: 228885846
Conc: 55.07 ng/ml



#5 Aldrin

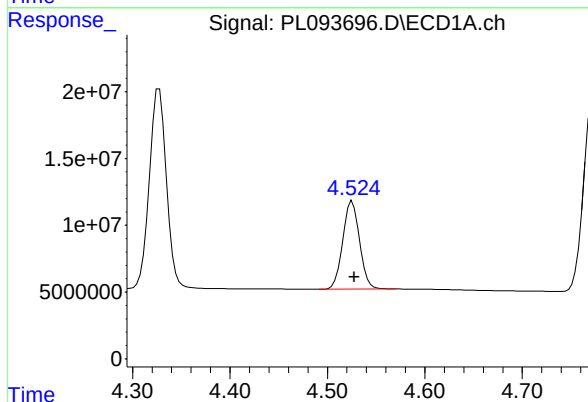
R.T.: 5.257 min
Delta R.T.: -0.002 min
Response: 158007790
Conc: 54.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



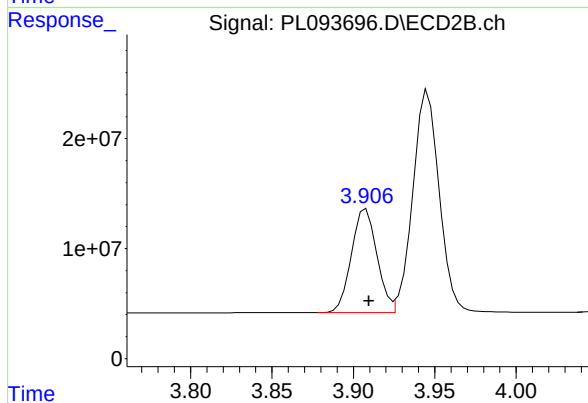
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: -0.002 min
Response: 233683971
Conc: 56.96 ng/ml



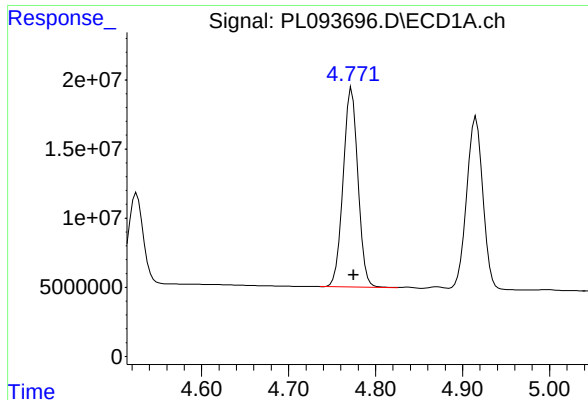
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: -0.002 min
Response: 78958312
Conc: 54.77 ng/ml



#6 beta-BHC

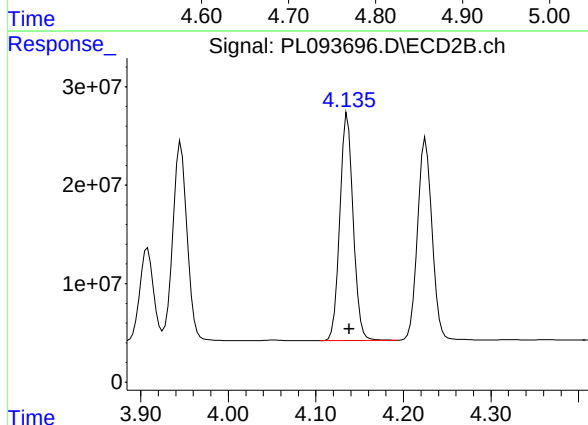
R.T.: 3.908 min
Delta R.T.: -0.002 min
Response: 102748321
Conc: 57.16 ng/ml



#7 delta-BHC

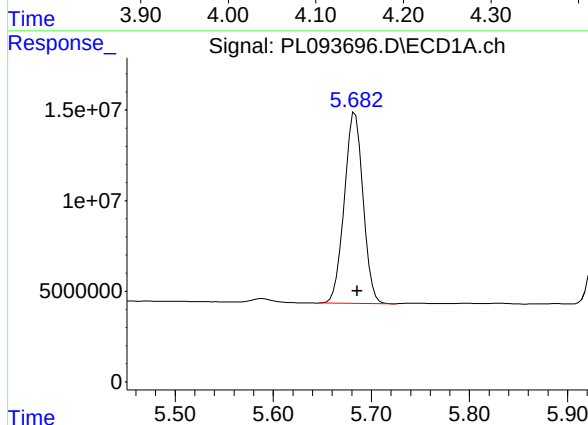
R.T.: 4.773 min
Delta R.T.: -0.002 min
Response: 171780475
Conc: 56.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



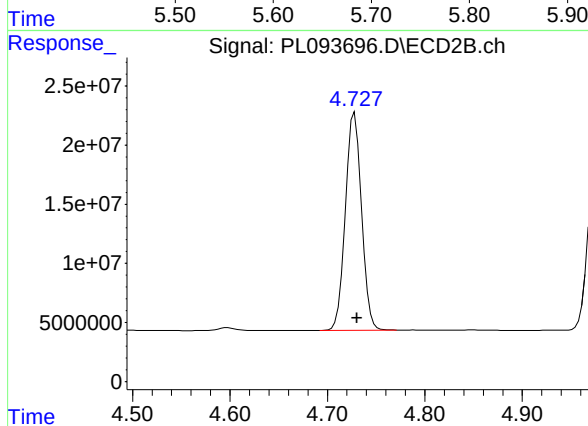
#7 delta-BHC

R.T.: 4.136 min
Delta R.T.: -0.002 min
Response: 244882258
Conc: 57.91 ng/ml



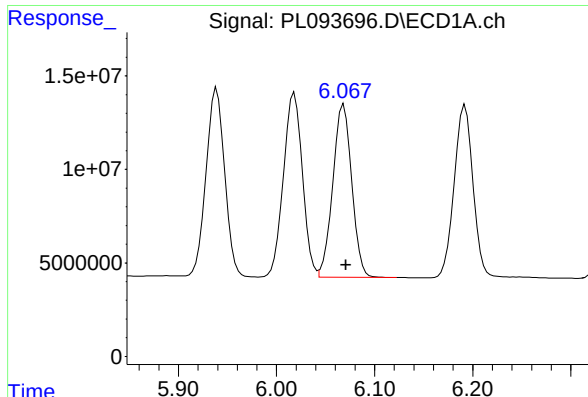
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: -0.002 min
Response: 139756103
Conc: 53.05 ng/ml



#8 Heptachlor epoxide

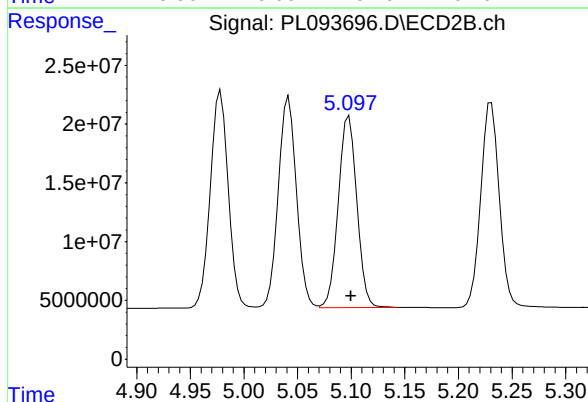
R.T.: 4.728 min
Delta R.T.: -0.002 min
Response: 211863413
Conc: 55.34 ng/ml



#9 Endosulfan I

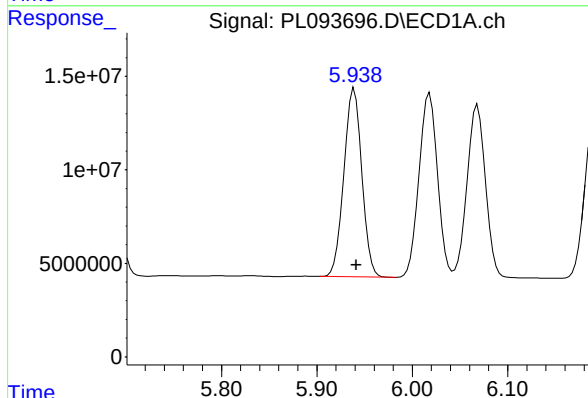
R.T.: 6.069 min
Delta R.T.: -0.002 min
Response: 124085135
Conc: 52.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



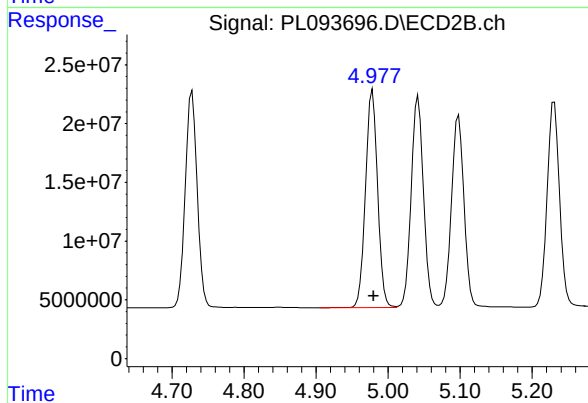
#9 Endosulfan I

R.T.: 5.098 min
Delta R.T.: -0.002 min
Response: 196061507
Conc: 56.11 ng/ml



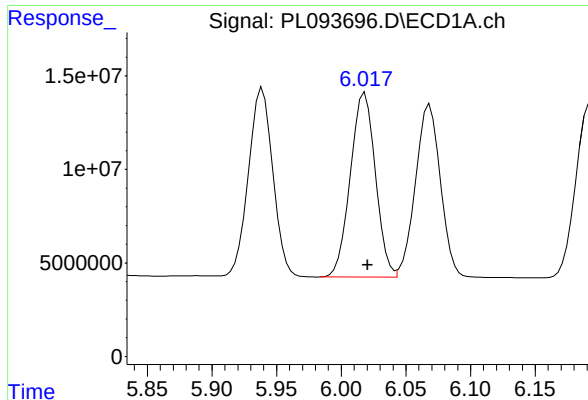
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: -0.002 min
Response: 132406793
Conc: 52.69 ng/ml



#10 gamma-Chlordane

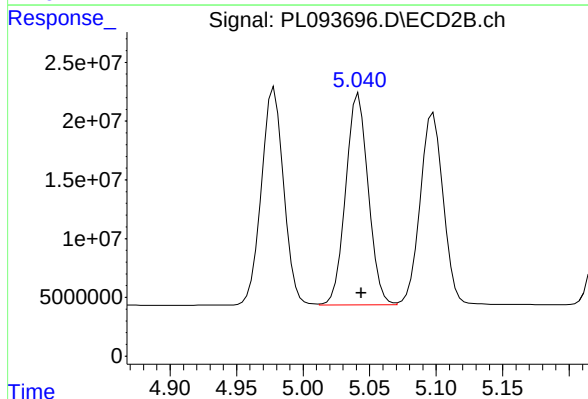
R.T.: 4.978 min
Delta R.T.: -0.002 min
Response: 216151435
Conc: 56.10 ng/ml



#11 alpha-Chlordane

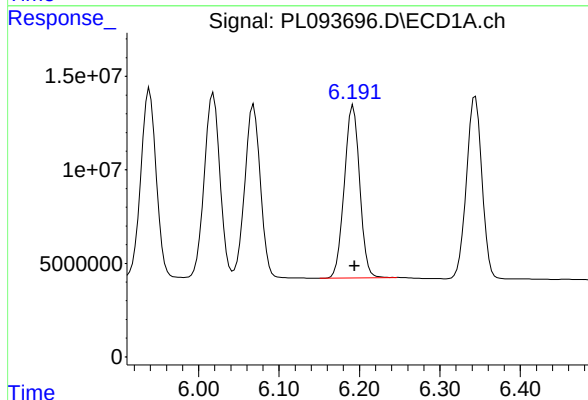
R.T.: 6.018 min
Delta R.T.: -0.002 min
Response: 132742982
Conc: 53.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



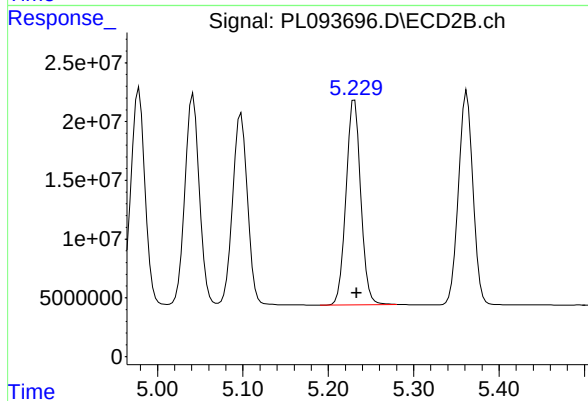
#11 alpha-Chlordane

R.T.: 5.042 min
Delta R.T.: -0.002 min
Response: 212146771
Conc: 55.72 ng/ml



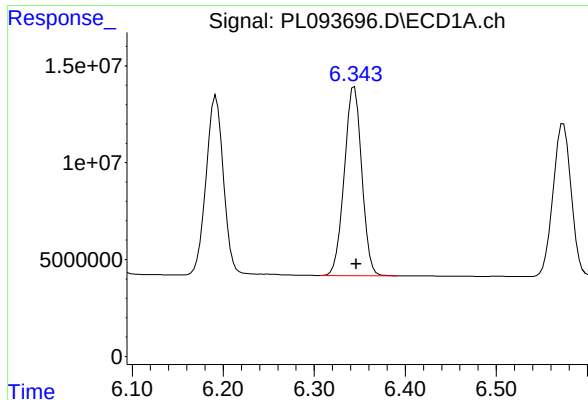
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.002 min
Response: 122372149
Conc: 54.54 ng/ml



#12 4,4'-DDE

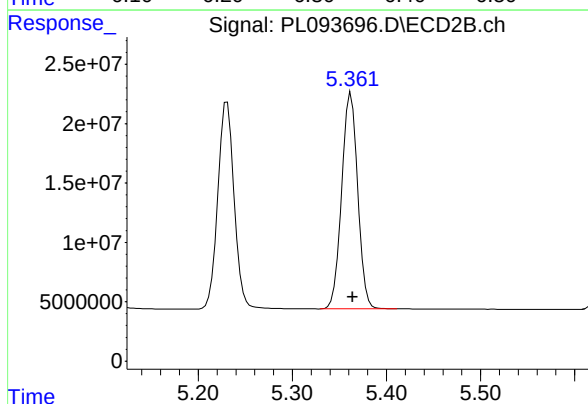
R.T.: 5.231 min
Delta R.T.: -0.002 min
Response: 209263064
Conc: 56.91 ng/ml



#13 Dieldrin

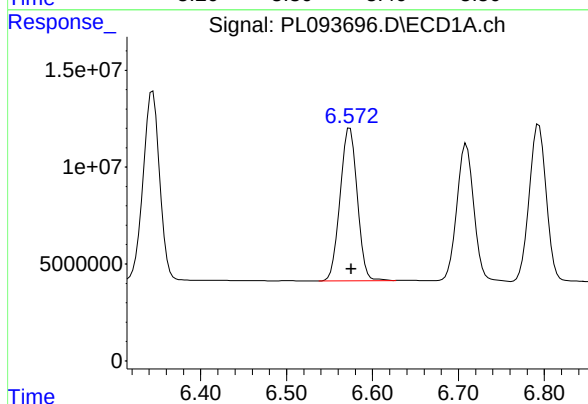
R.T.: 6.344 min
Delta R.T.: -0.002 min
Response: 130377775
Conc: 52.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



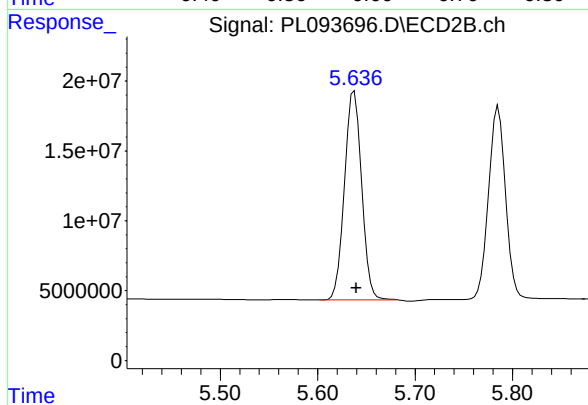
#13 Dieldrin

R.T.: 5.362 min
Delta R.T.: -0.002 min
Response: 215383439
Conc: 55.89 ng/ml



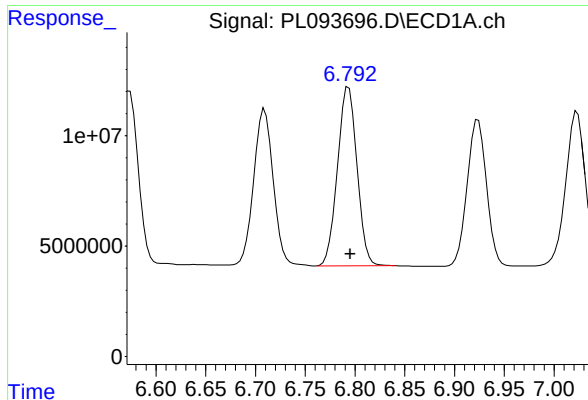
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.002 min
Response: 109253084
Conc: 50.76 ng/ml



#14 Endrin

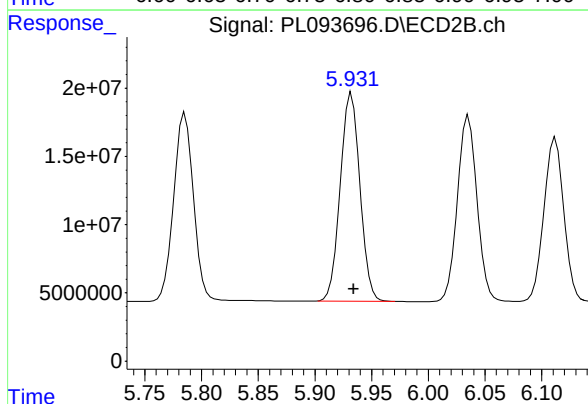
R.T.: 5.638 min
Delta R.T.: -0.002 min
Response: 182412032
Conc: 55.14 ng/ml



#15 Endosulfan II

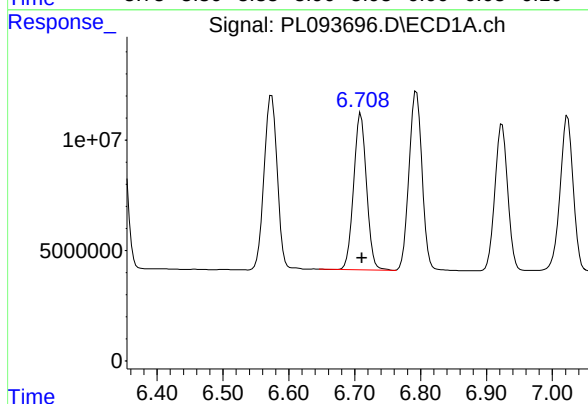
R.T.: 6.794 min
Delta R.T.: -0.002 min
Response: 110703955
Conc: 48.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



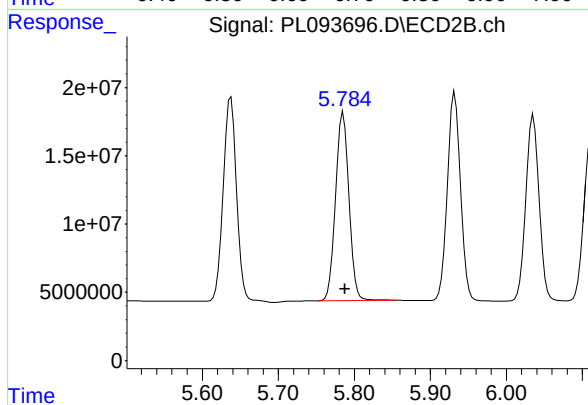
#15 Endosulfan II

R.T.: 5.932 min
Delta R.T.: -0.002 min
Response: 183906825
Conc: 56.61 ng/ml



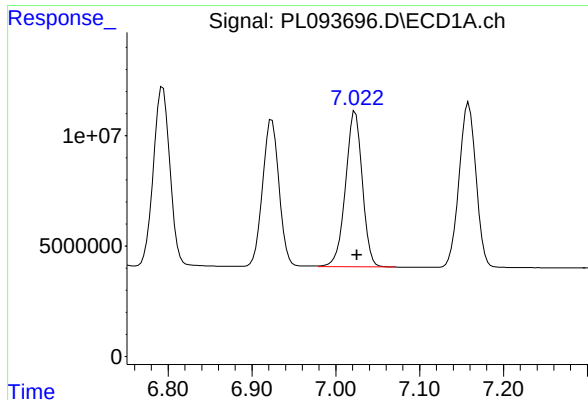
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: -0.002 min
Response: 96489871
Conc: 54.95 ng/ml



#16 4,4'-DDD

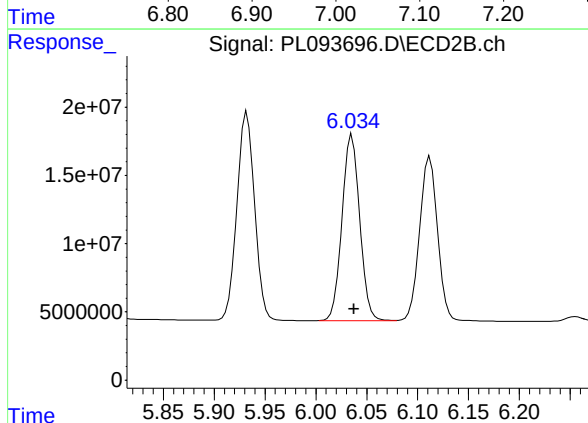
R.T.: 5.785 min
Delta R.T.: -0.002 min
Response: 168116299
Conc: 59.40 ng/ml



#17 4,4'-DDT

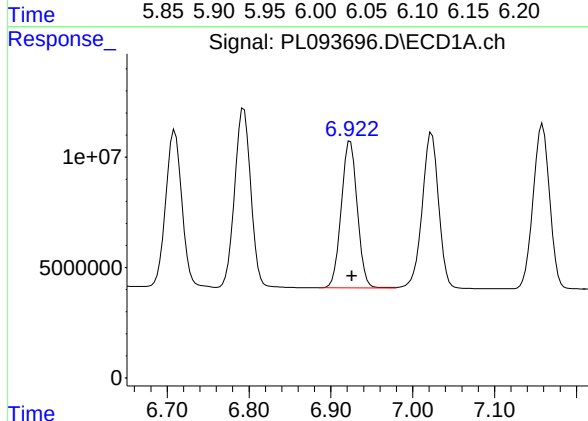
R.T.: 7.023 min
Delta R.T.: -0.002 min
Response: 97853238
Conc: 52.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



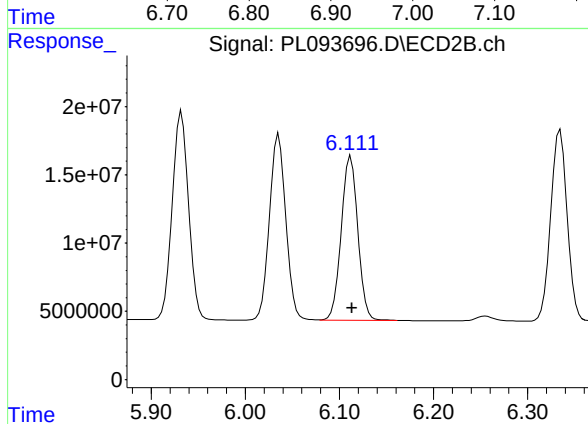
#17 4,4'-DDT

R.T.: 6.036 min
Delta R.T.: -0.002 min
Response: 165006513
Conc: 54.63 ng/ml



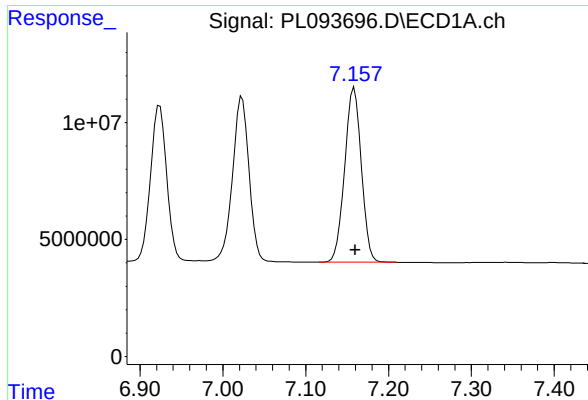
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: -0.002 min
Response: 90803618
Conc: 51.17 ng/ml



#18 Endrin aldehyde

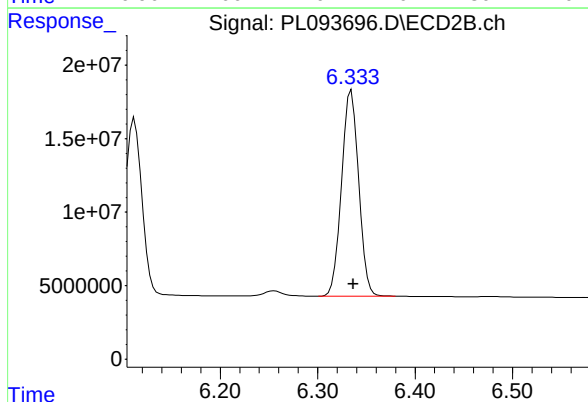
R.T.: 6.112 min
Delta R.T.: -0.001 min
Response: 147549912
Conc: 54.79 ng/ml



#19 Endosulfan Sulfate

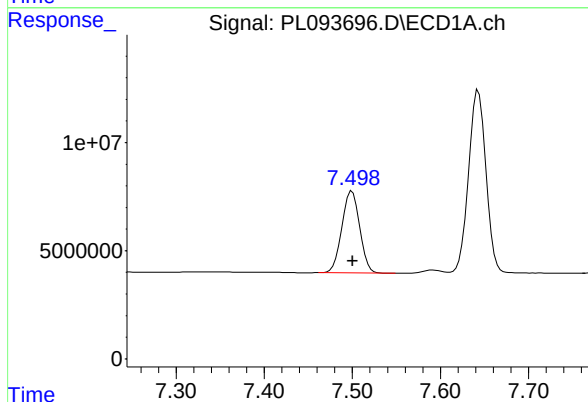
R.T.: 7.159 min
Delta R.T.: -0.001 min
Response: 104254573
Conc: 51.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



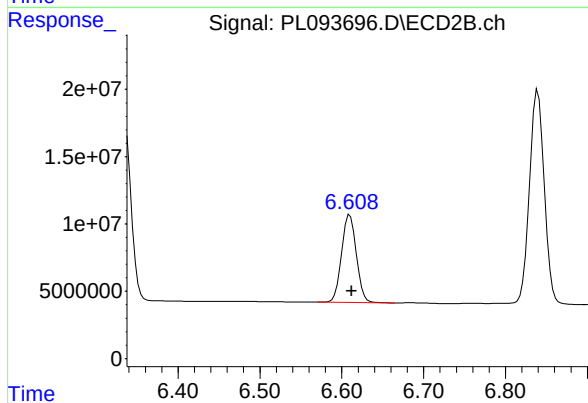
#19 Endosulfan Sulfate

R.T.: 6.335 min
Delta R.T.: -0.002 min
Response: 171123487
Conc: 54.25 ng/ml



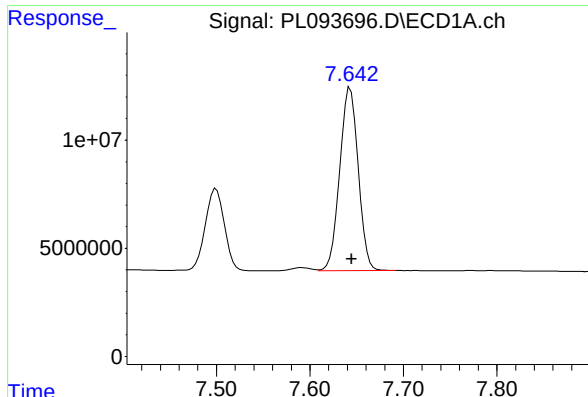
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 53294999
Conc: 53.31 ng/ml



#20 Methoxychlor

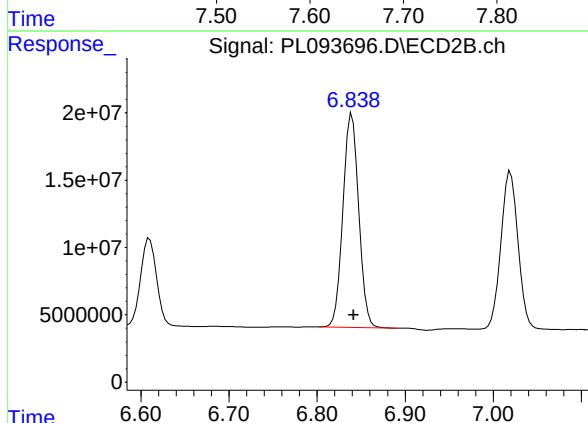
R.T.: 6.610 min
Delta R.T.: -0.002 min
Response: 82441460
Conc: 51.22 ng/ml



#21 Endrin ketone

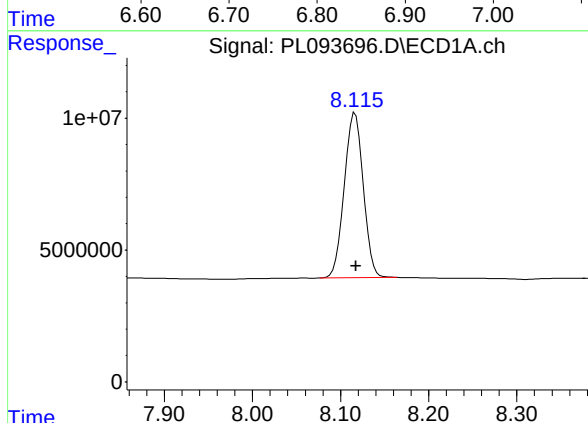
R.T.: 7.643 min
Delta R.T.: -0.002 min
Response: 116129571
Conc: 51.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



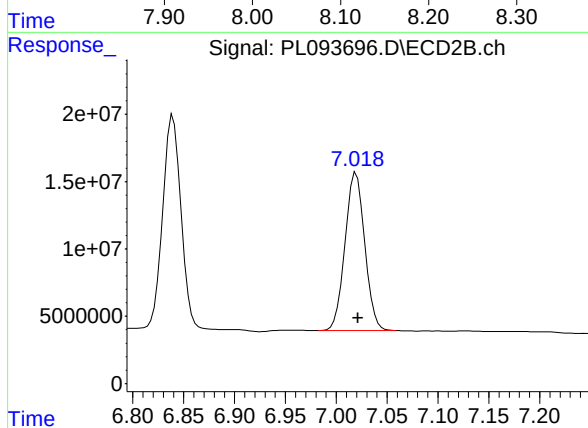
#21 Endrin ketone

R.T.: 6.840 min
Delta R.T.: -0.002 min
Response: 197498154
Conc: 54.25 ng/ml



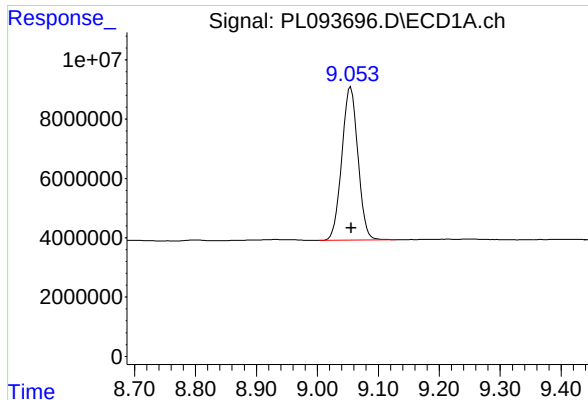
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 94015496
Conc: 50.31 ng/ml



#22 Mirex

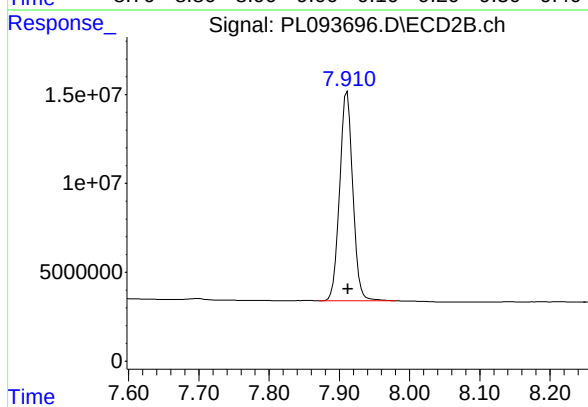
R.T.: 7.020 min
Delta R.T.: -0.002 min
Response: 158125878
Conc: 51.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: -0.001 min
Response: 94996468
Conc: 51.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.911 min
Delta R.T.: -0.001 min
Response: 152460187
Conc: 51.06 ng/ml

CALIBRATION VERIFICATION SUMMARY

 Contract: WEST04

 Lab Code: CHEM Case No.: Q1109 SAS No.: Q1109 SDG NO.: Q1109

 Continuing Calib Date: 01/20/2025 Initial Calibration Date(s): 12/23/2024 12/23/2024

 Continuing Calib Time: 14:19 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	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.78	4.68	4.88	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
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.01
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.58	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.80	6.70	6.90	0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.02	7.03	6.93	7.13	0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.65	7.55	7.75	0.01
Endrin aldehyde	6.93	6.93	6.83	7.03	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00
Mirex	8.12	8.12	8.02	8.22	0.00

CALIBRATION VERIFICATION SUMMARY

 Contract: WEST04

 Lab Code: CHEM Case No.: Q1109 SAS No.: Q1109 SDG NO.: Q1109

 Continuing Calib Date: 01/20/2025 Initial Calibration Date(s): 12/23/2024 12/23/2024

 Continuing Calib Time: 14:19 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
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.01
Aldrin	4.23	4.23	4.13	4.33	0.01
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.23	5.23	5.13	5.33	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.01
Endosulfan sulfate	6.33	6.34	6.24	6.44	0.01
4,4'-DDT	6.04	6.04	5.94	6.14	0.01
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00
Mirex	7.02	7.02	6.92	7.12	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: Q1109 SAS No.: Q1109 SDG NO.: Q1109

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

Client Sample No.: CCAL02 Date Analyzed: 01/20/2025

Lab Sample No.: PSTDCCC050 Data File : PL093707.D Time Analyzed: 14:19

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.711	6.611	6.811	52.780	50.000	5.6
4,4'-DDE	6.194	6.094	6.294	51.170	50.000	2.3
4,4'-DDT	7.024	6.925	7.125	49.700	50.000	-0.6
Aldrin	5.258	5.159	5.359	50.490	50.000	1.0
alpha-BHC	3.997	3.897	4.097	50.180	50.000	0.4
alpha-Chlordane	6.020	5.920	6.120	50.180	50.000	0.4
beta-BHC	4.527	4.427	4.627	50.410	50.000	0.8
Decachlorobiphenyl	9.056	8.956	9.156	49.920	50.000	-0.2
delta-BHC	4.775	4.675	4.875	51.660	50.000	3.3
Dieldrin	6.345	6.246	6.446	49.620	50.000	-0.8
Endosulfan I	6.070	5.971	6.171	49.700	50.000	-0.6
Endosulfan II	6.794	6.695	6.895	46.600	50.000	-6.8
Endosulfan sulfate	7.159	7.060	7.260	49.490	50.000	-1.0
Endrin	6.575	6.475	6.675	48.570	50.000	-2.9
Endrin aldehyde	6.925	6.826	7.026	49.150	50.000	-1.7
Endrin ketone	7.644	7.545	7.745	50.150	50.000	0.3
gamma-BHC (Lindane)	4.329	4.229	4.429	50.910	50.000	1.8
gamma-Chlordane	5.941	5.841	6.041	49.910	50.000	-0.2
Heptachlor	4.917	4.818	5.018	50.540	50.000	1.1
Heptachlor epoxide	5.685	5.586	5.786	50.010	50.000	0.0
Methoxychlor	7.501	7.400	7.600	50.580	50.000	1.2
Mirex	8.117	8.017	8.217	48.820	50.000	-2.4
Tetrachloro-m-xylene	3.541	3.442	3.642	49.520	50.000	-1.0



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CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: Q1109 SAS No.: Q1109 SDG NO.: Q1109

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

Client Sample No.: CCAL02 Date Analyzed: 01/20/2025

Lab Sample No.: PSTDCCC050 Data File : PL093707.D Time Analyzed: 14:19

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.785	5.688	5.888	56.740	50.000	13.5
4,4'-DDE	5.230	5.133	5.333	53.040	50.000	6.1
4,4'-DDT	6.035	5.937	6.137	51.990	50.000	4.0
Aldrin	4.225	4.128	4.328	52.470	50.000	4.9
alpha-BHC	3.278	3.180	3.380	53.090	50.000	6.2
alpha-Chlordane	5.041	4.944	5.144	51.950	50.000	3.9
beta-BHC	3.907	3.810	4.010	52.560	50.000	5.1
Decachlorobiphenyl	7.910	7.812	8.012	51.660	50.000	3.3
delta-BHC	4.136	4.038	4.238	53.490	50.000	7.0
Dieldrin	5.361	5.264	5.464	52.340	50.000	4.7
Endosulfan I	5.097	5.000	5.200	51.810	50.000	3.6
Endosulfan II	5.932	5.834	6.034	53.950	50.000	7.9
Endosulfan sulfate	6.334	6.237	6.437	53.050	50.000	6.1
Endrin	5.637	5.540	5.740	51.990	50.000	4.0
Endrin aldehyde	6.111	6.013	6.213	52.670	50.000	5.3
Endrin ketone	6.839	6.742	6.942	53.330	50.000	6.7
gamma-BHC (Lindane)	3.607	3.510	3.710	53.020	50.000	6.0
gamma-Chlordane	4.978	4.880	5.080	52.110	50.000	4.2
Heptachlor	3.945	3.848	4.048	51.780	50.000	3.6
Heptachlor epoxide	4.728	4.630	4.830	51.410	50.000	2.8
Methoxychlor	6.610	6.512	6.712	51.530	50.000	3.1
Mirex	7.019	6.922	7.122	50.720	50.000	1.4
Tetrachloro-m-xylene	2.775	2.677	2.877	52.000	50.000	4.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012025\
 Data File : PL093707.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Jan 2025 14:19
 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: Jan 20 18:09:25 2025
 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	2.775	122.6E6	151.4E6	49.524	52.001
28) SA Decachlor...	9.056	7.910	92297320	154.3E6	49.917	51.665
Target Compounds						
2) A alpha-BHC	3.997	3.278	173.2E6	230.8E6	50.180	53.085
3) MA gamma-BHC...	4.329	3.607	167.0E6	223.7E6	50.912	53.017
4) MA Heptachlor	4.917	3.945	148.0E6	215.2E6	50.541	51.777
5) MB Aldrin	5.258	4.225	146.9E6	215.3E6	50.491	52.472
6) B beta-BHC	4.527	3.907	72667624	94482919	50.408	52.564
7) B delta-BHC	4.775	4.136	158.2E6	226.2E6	51.661	53.493
8) B Heptachlo...	5.685	4.728	131.7E6	196.8E6	50.011	51.407
9) A Endosulfan I	6.070	5.097	117.2E6	181.0E6	49.697	51.812
10) B gamma-Chl...	5.941	4.978	125.4E6	200.8E6	49.912	52.112
11) B alpha-Chl...	6.020	5.041	125.6E6	197.8E6	50.182	51.954
12) B 4,4'-DDE	6.194	5.230	114.8E6	195.1E6	51.170	53.045
13) MA Dieldrin	6.345	5.361	123.8E6	201.7E6	49.621	52.342
14) MA Endrin	6.575	5.637	104.5E6	172.0E6	48.565	51.989
15) B Endosulfa...	6.794	5.932	105.9E6	175.3E6	46.604	53.947
16) A 4,4'-DDD	6.711	5.785	92687042	160.6E6	52.784	56.743
17) MA 4,4'-DDT	7.024	6.035	91864877	157.0E6	49.696	51.991
18) B Endrin al...	6.925	6.111	87218663	141.9E6	49.150	52.673
19) B Endosulfa...	7.159	6.334	99923604	167.3E6	49.491	53.052
20) A Methoxychlor	7.501	6.610	50564732	82950500	50.581	51.534
21) B Endrin ke...	7.644	6.839	112.5E6	194.1E6	50.152	53.328
22) Mirex	8.117	7.019	91239504	155.0E6	48.825	50.720

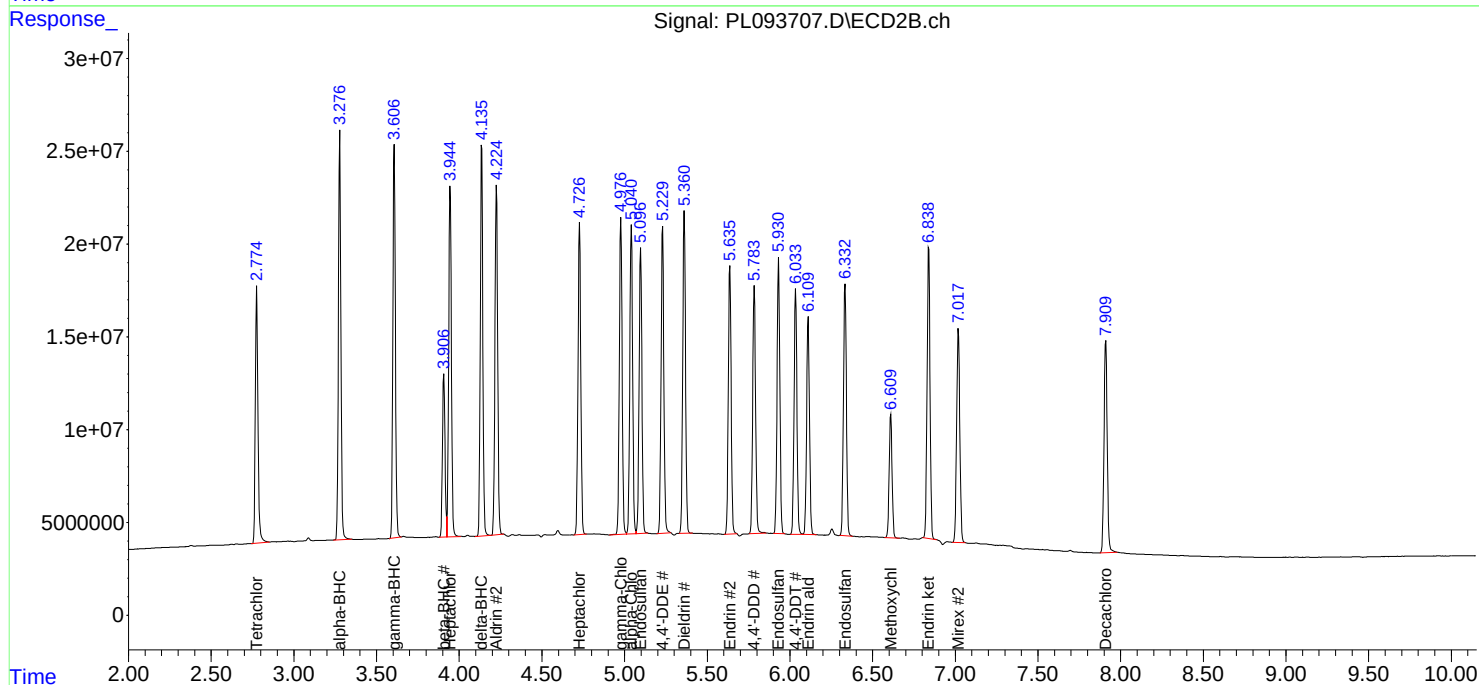
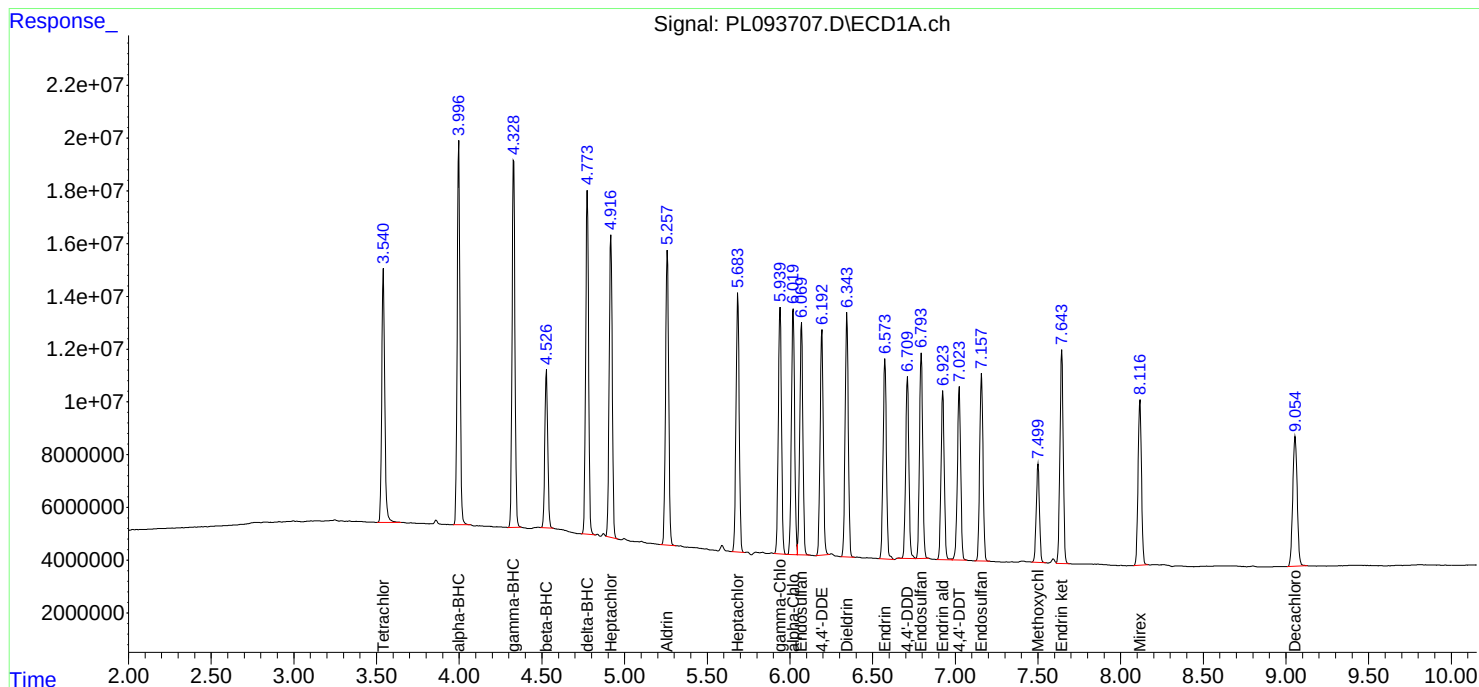
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

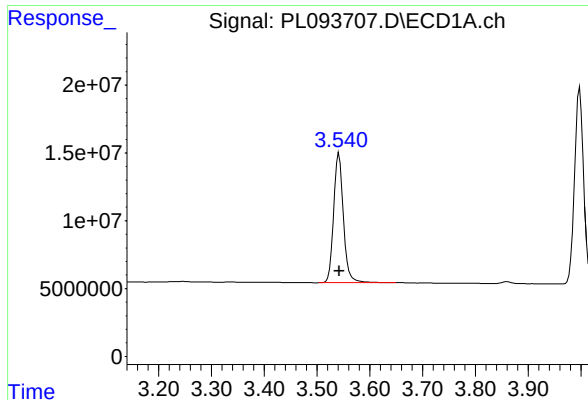
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012025\
Data File : PL093707.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Jan 2025 14:19
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 20 18:09:25 2025
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

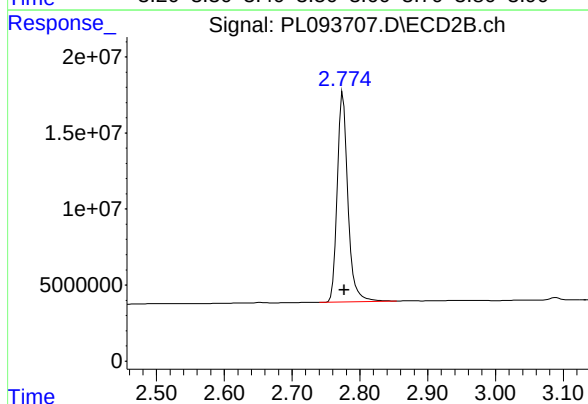




#1 Tetrachloro-m-xylene

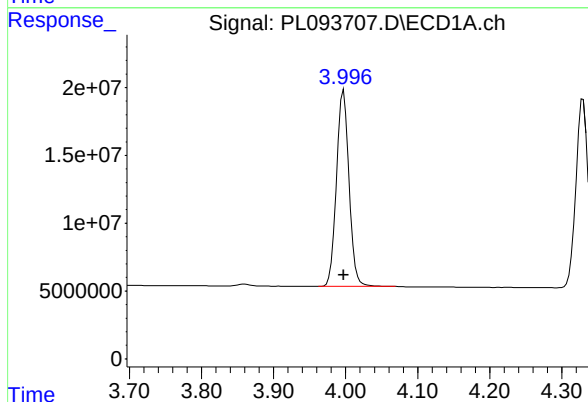
R.T.: 3.541 min
Delta R.T.: 0.000 min
Response: 122607227
Conc: 49.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



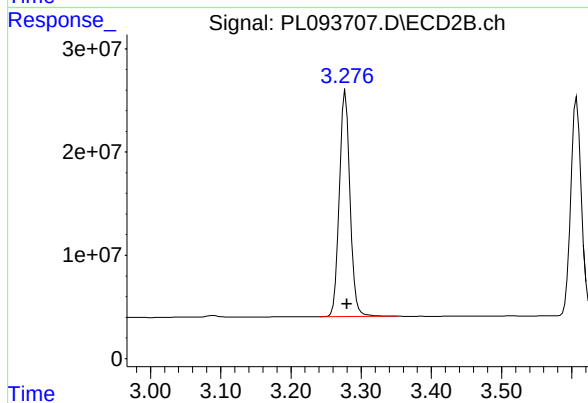
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: -0.002 min
Response: 151386065
Conc: 52.00 ng/ml



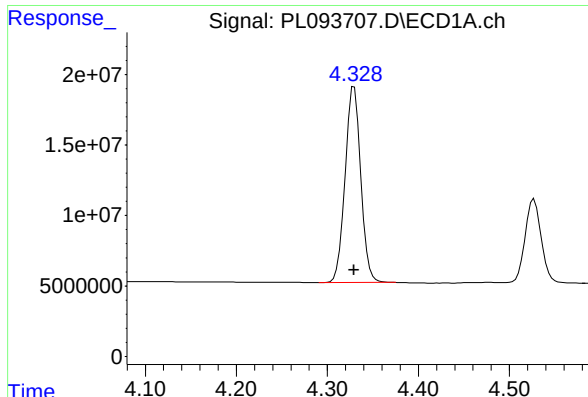
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 173241459
Conc: 50.18 ng/ml



#2 alpha-BHC

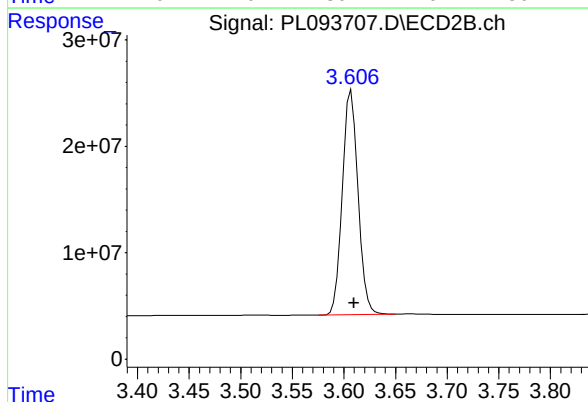
R.T.: 3.278 min
Delta R.T.: -0.002 min
Response: 230750452
Conc: 53.09 ng/ml



#3 gamma-BHC (Lindane)

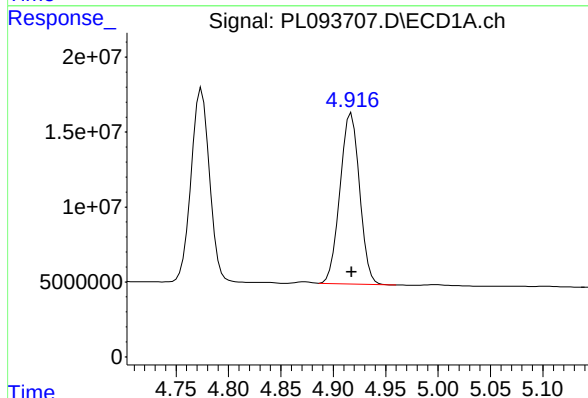
R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 166961787
Conc: 50.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



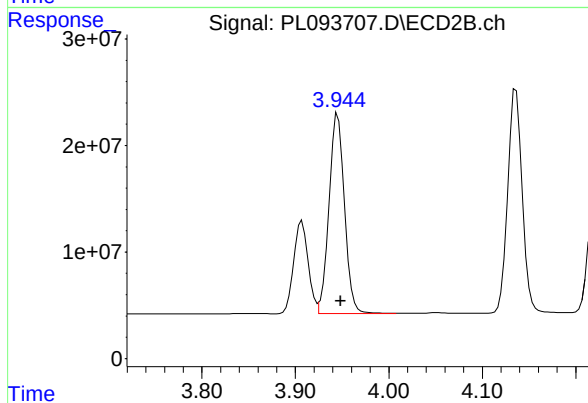
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: -0.003 min
Response: 223697875
Conc: 53.02 ng/ml



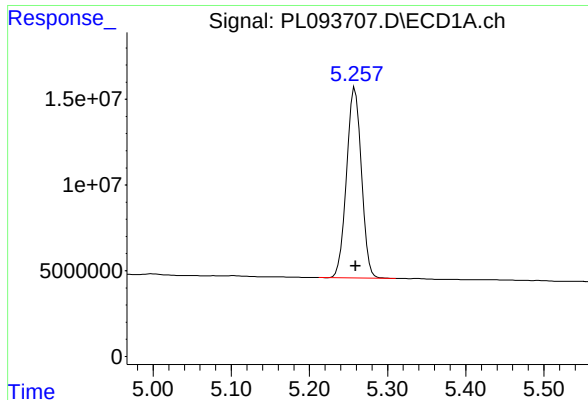
#4 Heptachlor

R.T.: 4.917 min
Delta R.T.: 0.000 min
Response: 148000868
Conc: 50.54 ng/ml



#4 Heptachlor

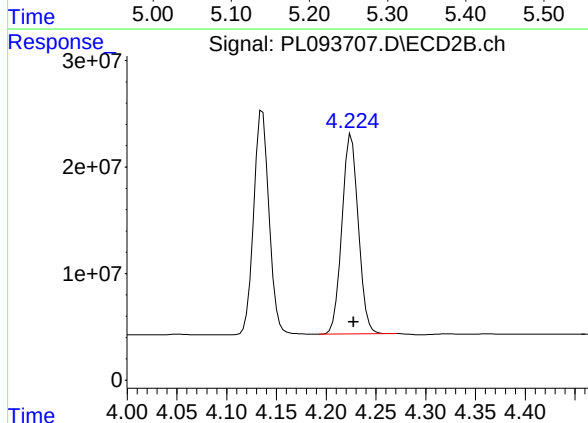
R.T.: 3.945 min
Delta R.T.: -0.003 min
Response: 215181728
Conc: 51.78 ng/ml



#5 Aldrin

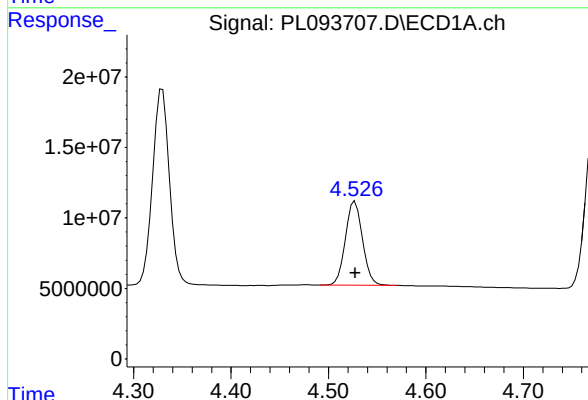
R.T.: 5.258 min
Delta R.T.: 0.000 min
Response: 146872221
Conc: 50.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



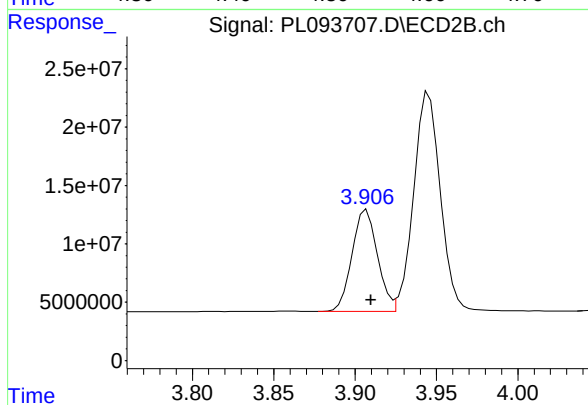
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: -0.002 min
Response: 215256922
Conc: 52.47 ng/ml



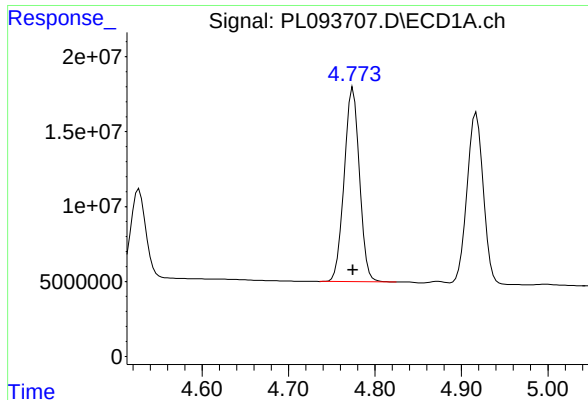
#6 beta-BHC

R.T.: 4.527 min
Delta R.T.: 0.000 min
Response: 72667624
Conc: 50.41 ng/ml



#6 beta-BHC

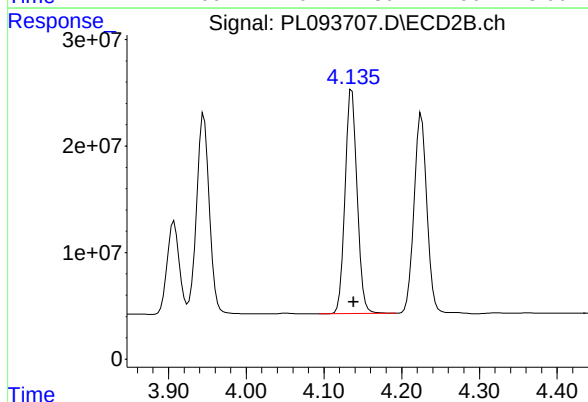
R.T.: 3.907 min
Delta R.T.: -0.003 min
Response: 94482919
Conc: 52.56 ng/ml



#7 delta-BHC

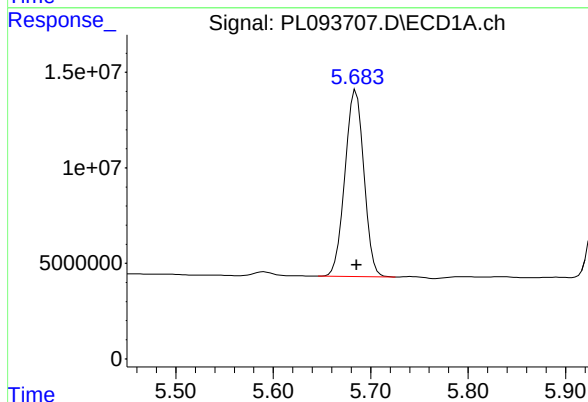
R.T.: 4.775 min
Delta R.T.: 0.000 min
Response: 158215806
Conc: 51.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



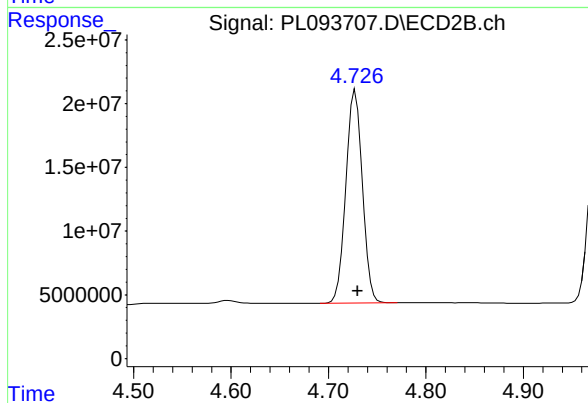
#7 delta-BHC

R.T.: 4.136 min
Delta R.T.: -0.002 min
Response: 226214896
Conc: 53.49 ng/ml



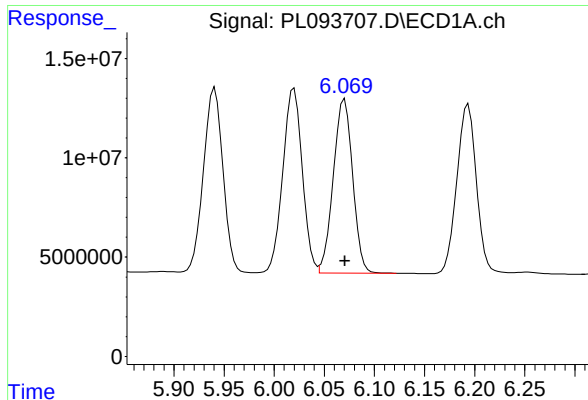
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 131745978
Conc: 50.01 ng/ml



#8 Heptachlor epoxide

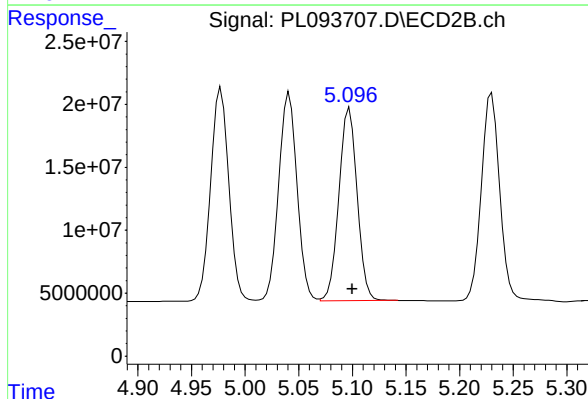
R.T.: 4.728 min
Delta R.T.: -0.003 min
Response: 196822753
Conc: 51.41 ng/ml



#9 Endosulfan I

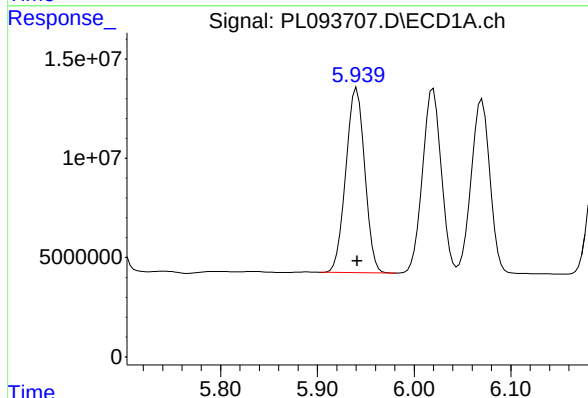
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 117247568
Conc: 49.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



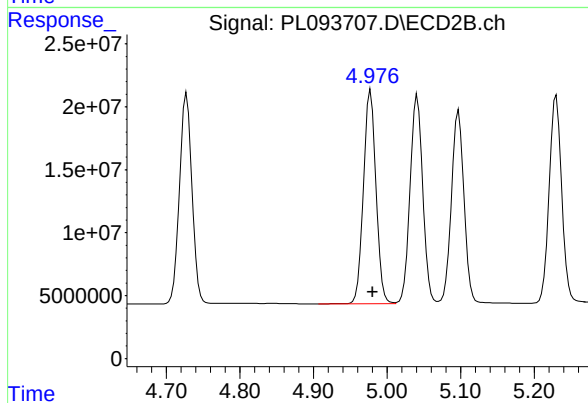
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: -0.003 min
Response: 181029813
Conc: 51.81 ng/ml



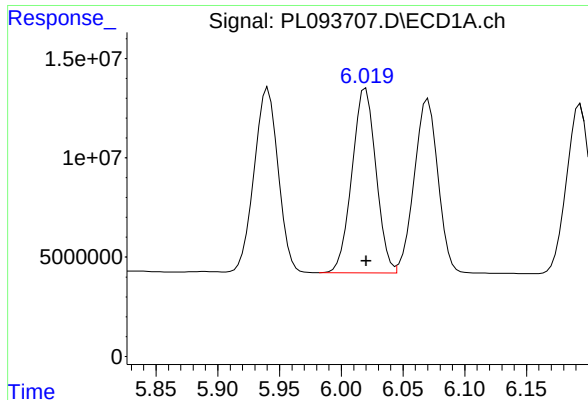
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 125433579
Conc: 49.91 ng/ml



#10 gamma-Chlordane

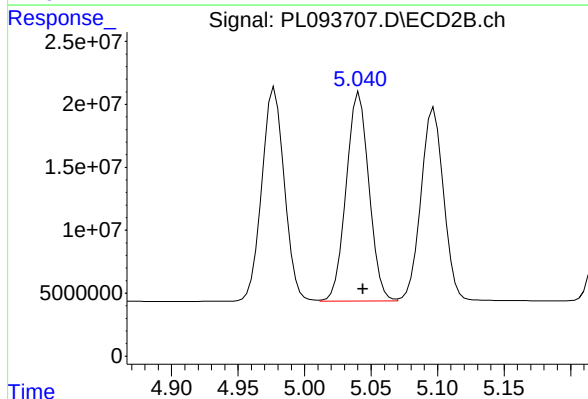
R.T.: 4.978 min
Delta R.T.: -0.003 min
Response: 200786760
Conc: 52.11 ng/ml



#11 alpha-Chlordane

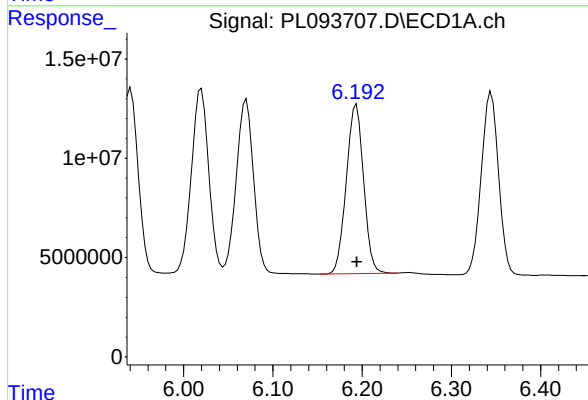
R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 125601939
Conc: 50.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



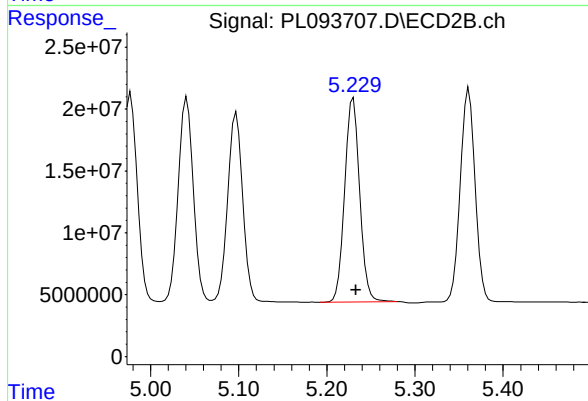
#11 alpha-Chlordane

R.T.: 5.041 min
Delta R.T.: -0.003 min
Response: 197808639
Conc: 51.95 ng/ml



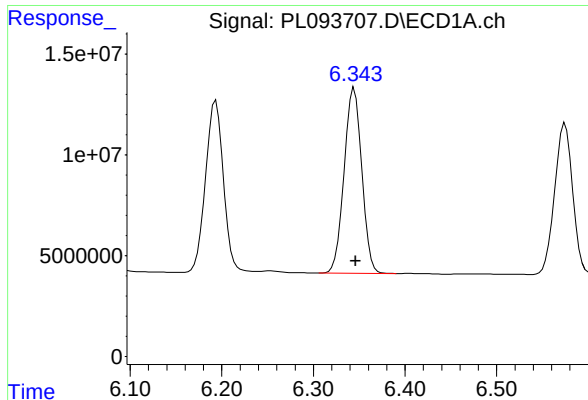
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.000 min
Response: 114818397
Conc: 51.17 ng/ml



#12 4,4'-DDE

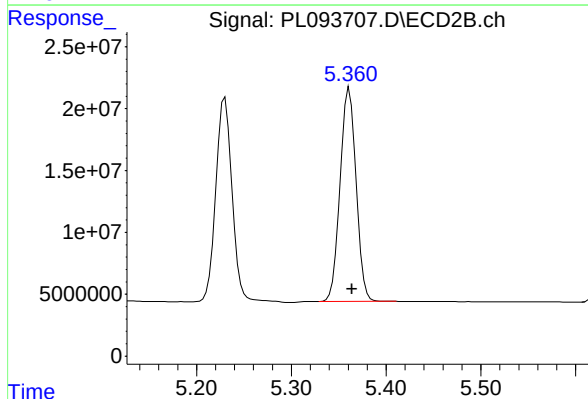
R.T.: 5.230 min
Delta R.T.: -0.003 min
Response: 195057597
Conc: 53.04 ng/ml



#13 Dieldrin

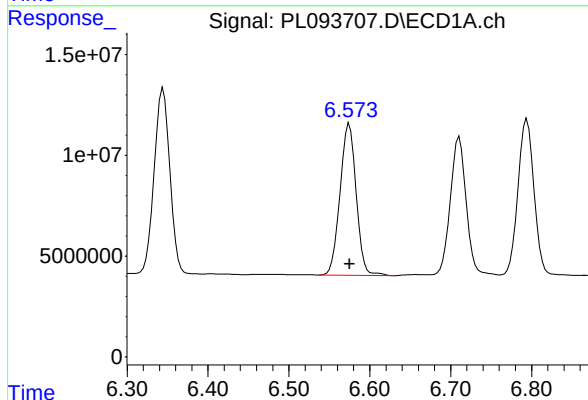
R.T.: 6.345 min
Delta R.T.: -0.001 min
Response: 123809080
Conc: 49.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



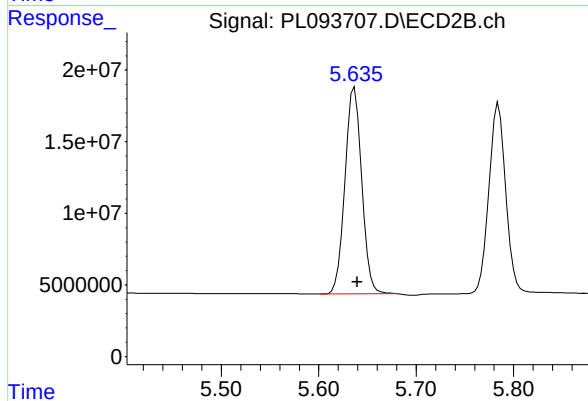
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: -0.003 min
Response: 201719526
Conc: 52.34 ng/ml



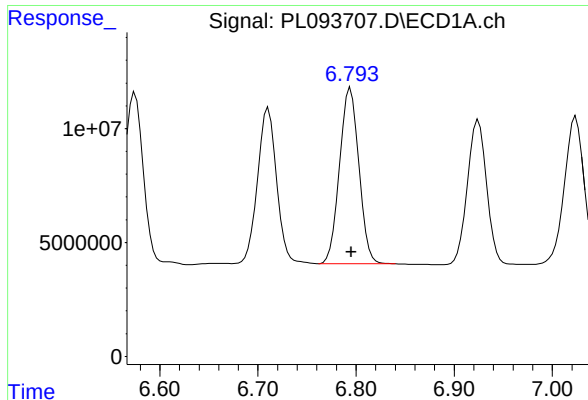
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 104534064
Conc: 48.57 ng/ml



#14 Endrin

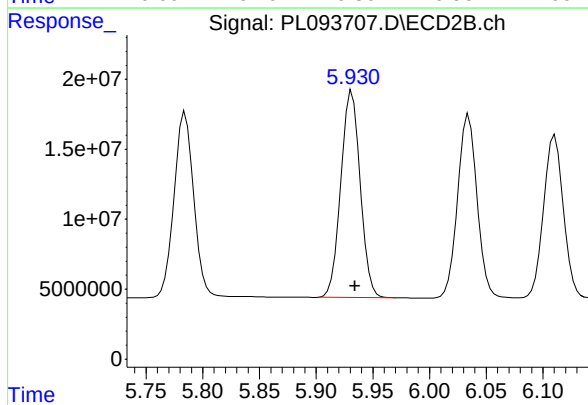
R.T.: 5.637 min
Delta R.T.: -0.003 min
Response: 171996327
Conc: 51.99 ng/ml



#15 Endosulfan II

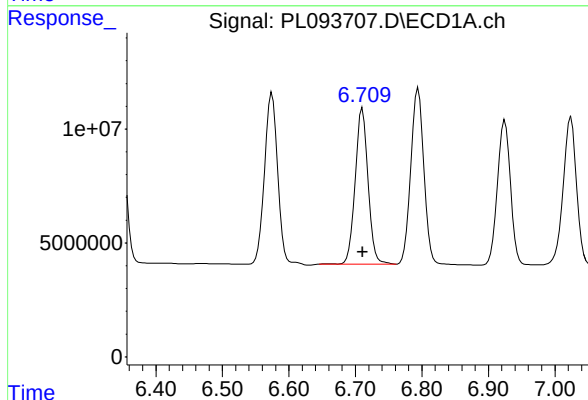
R.T.: 6.794 min
Delta R.T.: -0.001 min
Response: 105942848
Conc: 46.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



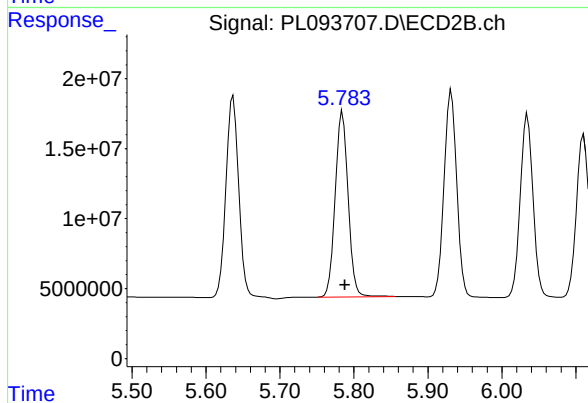
#15 Endosulfan II

R.T.: 5.932 min
Delta R.T.: -0.003 min
Response: 175269531
Conc: 53.95 ng/ml



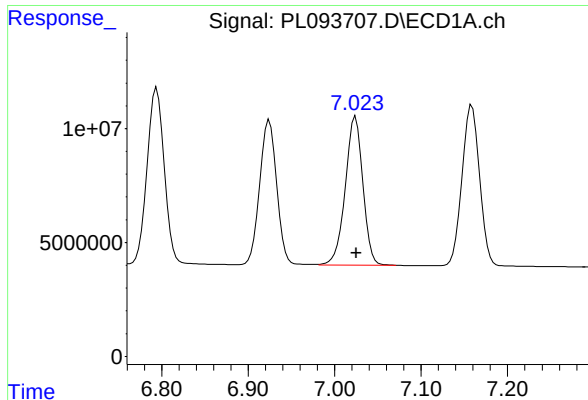
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.000 min
Response: 92687042
Conc: 52.78 ng/ml



#16 4,4'-DDD

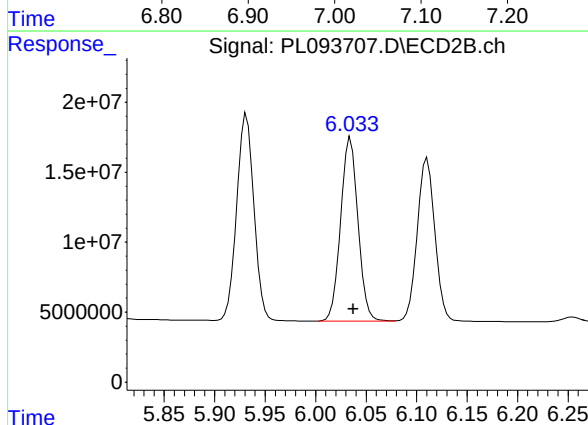
R.T.: 5.785 min
Delta R.T.: -0.003 min
Response: 160590510
Conc: 56.74 ng/ml



#17 4,4'-DDT

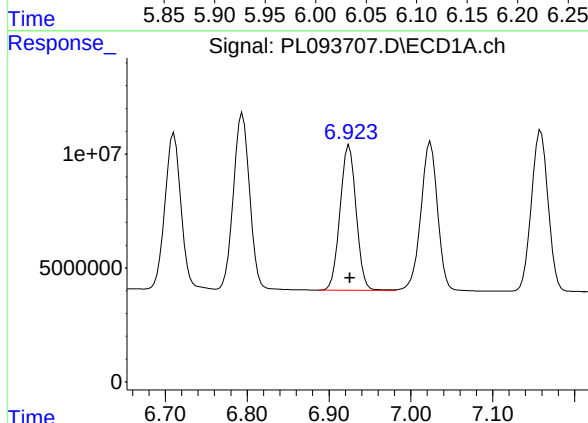
R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 91864877
Conc: 49.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



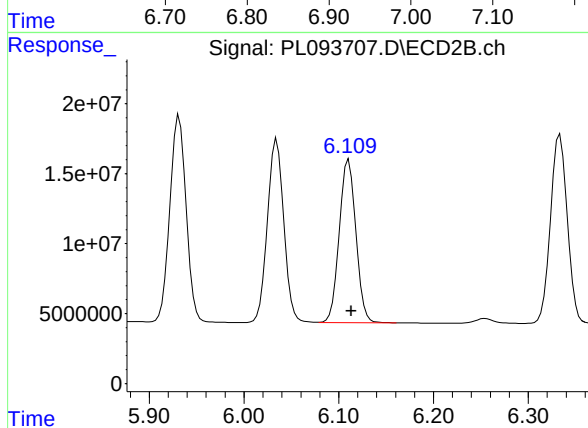
#17 4,4'-DDT

R.T.: 6.035 min
Delta R.T.: -0.003 min
Response: 157027431
Conc: 51.99 ng/ml



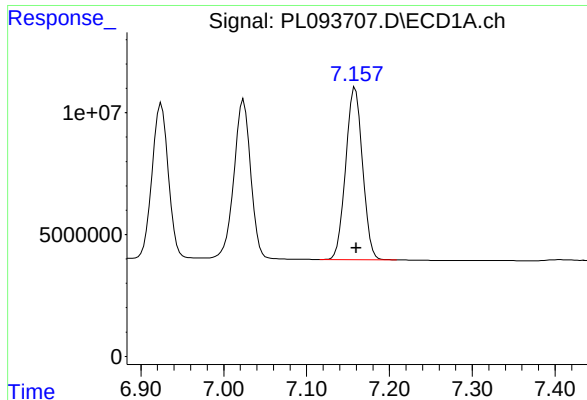
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: -0.001 min
Response: 87218663
Conc: 49.15 ng/ml



#18 Endrin aldehyde

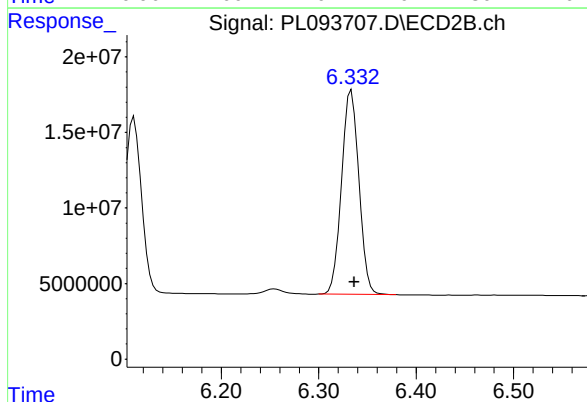
R.T.: 6.111 min
Delta R.T.: -0.003 min
Response: 141854030
Conc: 52.67 ng/ml



#19 Endosulfan Sulfate

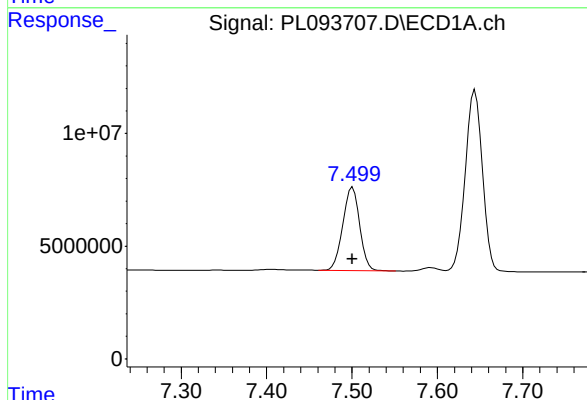
R.T.: 7.159 min
Delta R.T.: -0.001 min
Response: 99923604
Conc: 49.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



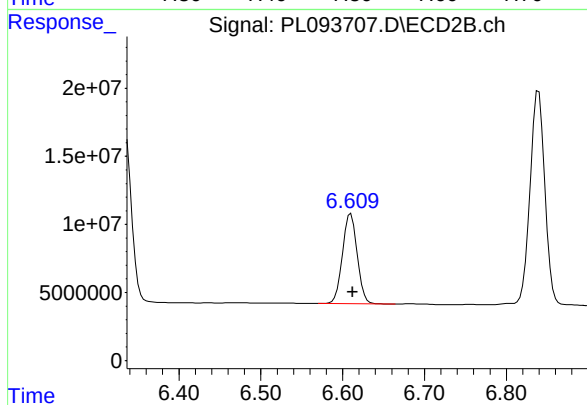
#19 Endosulfan Sulfate

R.T.: 6.334 min
Delta R.T.: -0.003 min
Response: 167347218
Conc: 53.05 ng/ml



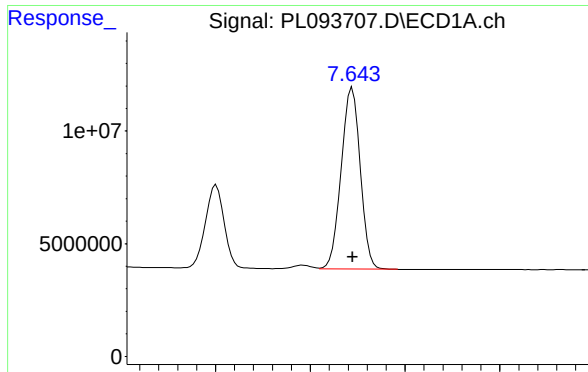
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 50564732
Conc: 50.58 ng/ml



#20 Methoxychlor

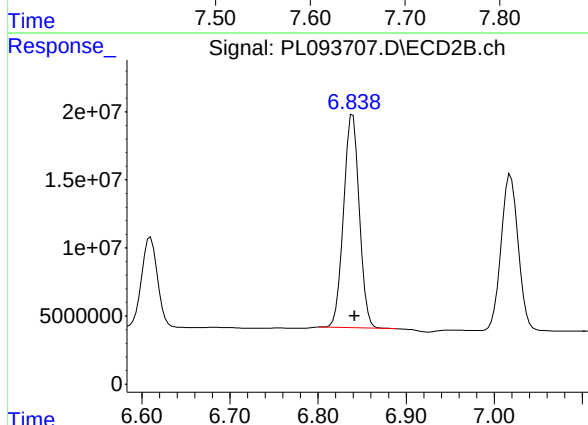
R.T.: 6.610 min
Delta R.T.: -0.002 min
Response: 82950500
Conc: 51.53 ng/ml



#21 Endrin ketone

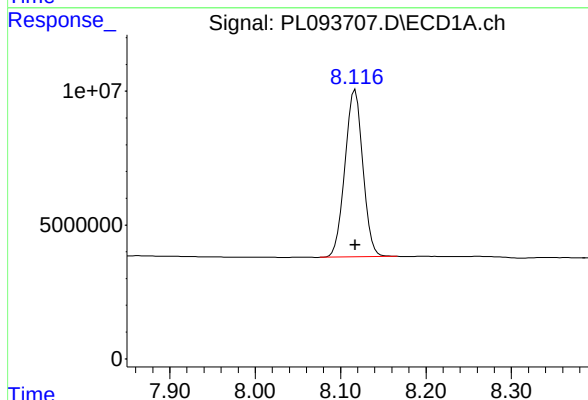
R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 112533199
Conc: 50.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



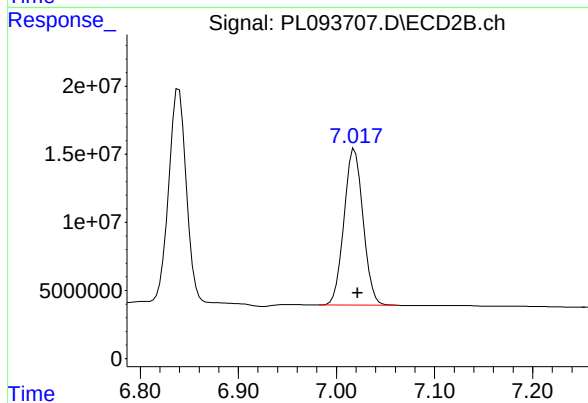
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: -0.002 min
Response: 194135298
Conc: 53.33 ng/ml



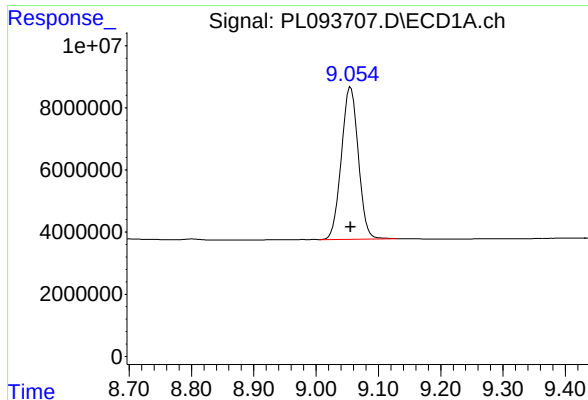
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 91239504
Conc: 48.82 ng/ml



#22 Mirex

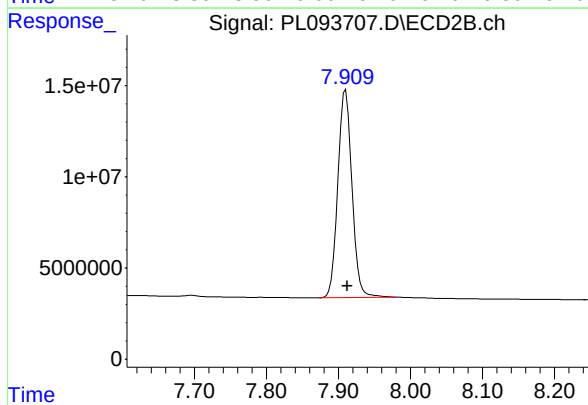
R.T.: 7.019 min
Delta R.T.: -0.003 min
Response: 155027780
Conc: 50.72 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.000 min
Response: 92297320
Conc: 49.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: -0.002 min
Response: 154265633
Conc: 51.66 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **WEST04**

Lab Code: **CHEM** Case No.: **Q1109** SAS No.: **Q1109** SDG NO.: **Q1109**

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

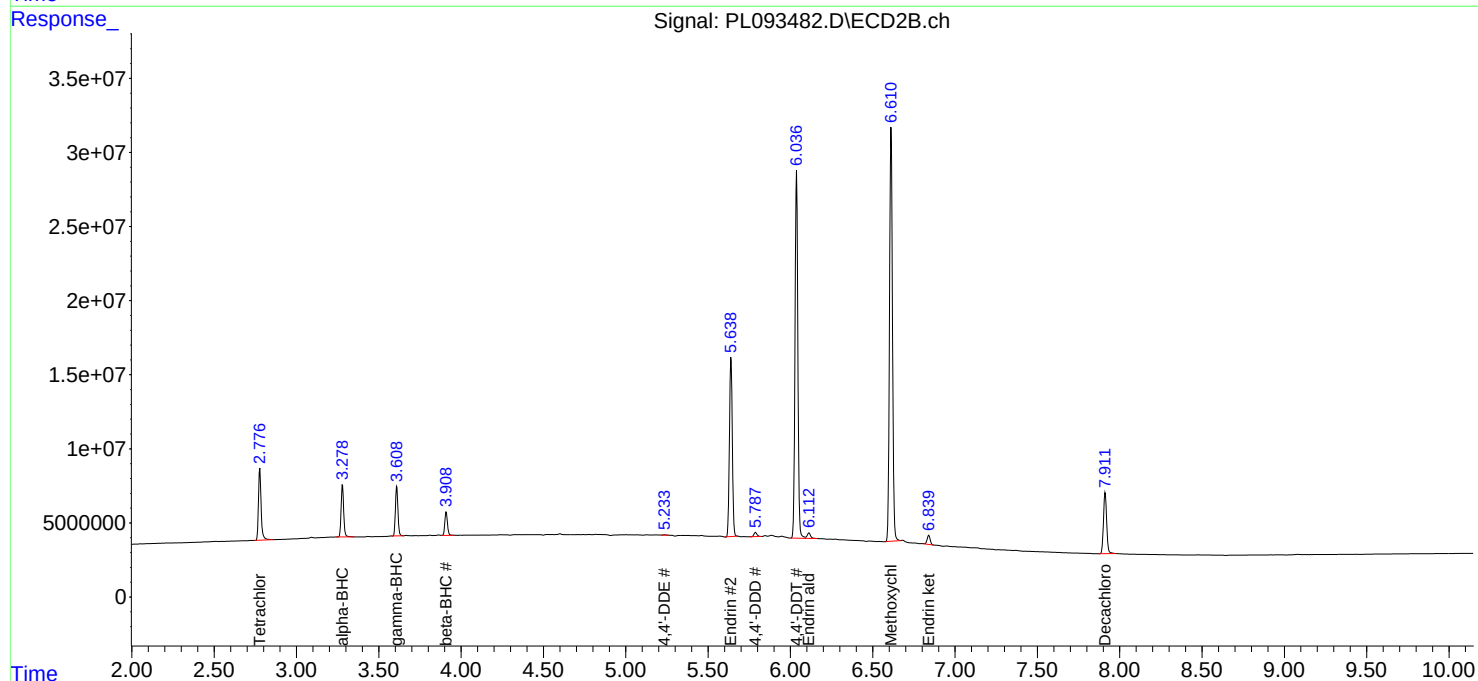
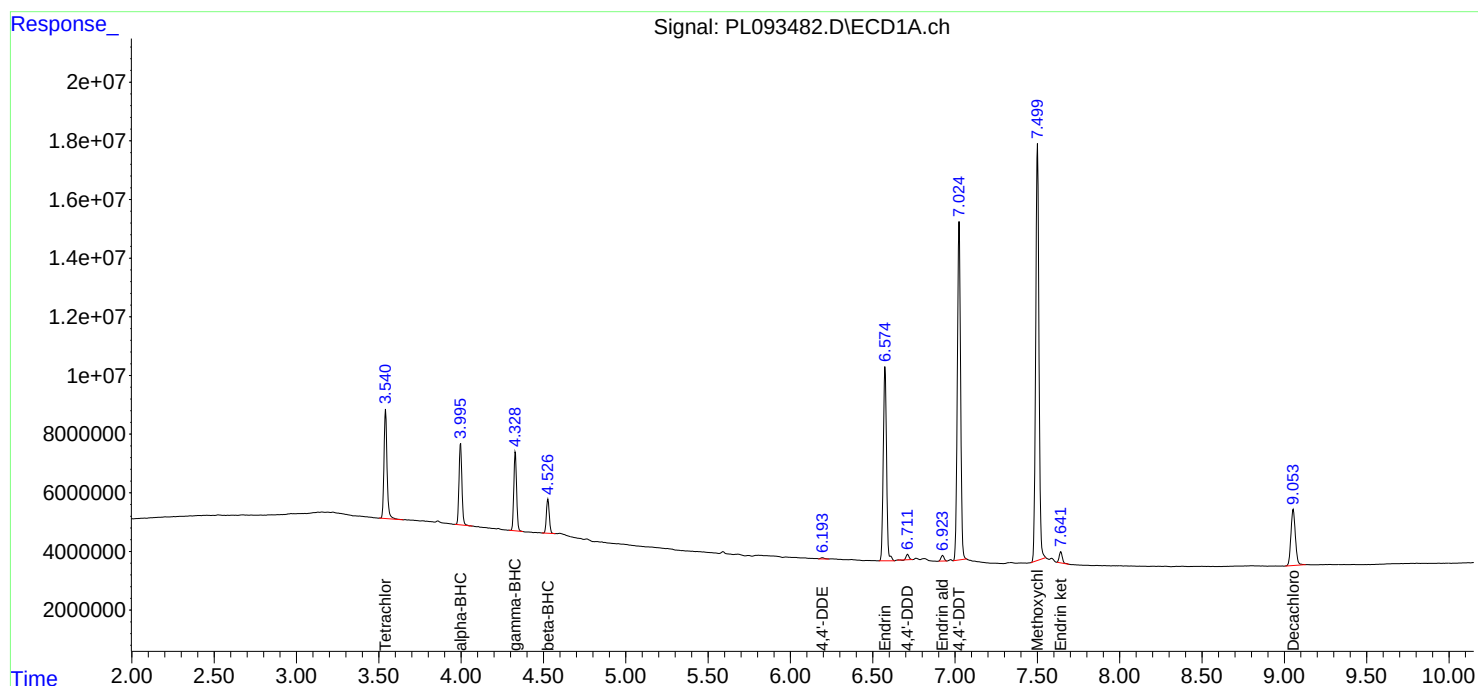
Instrument :
ECD_L
ClientSampleId :
PEM

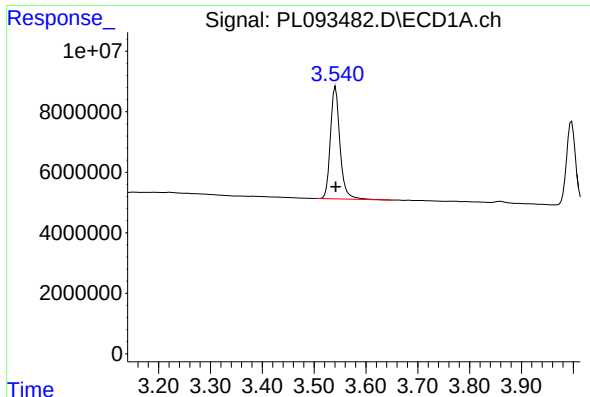
Manual Integrations
APPROVED

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





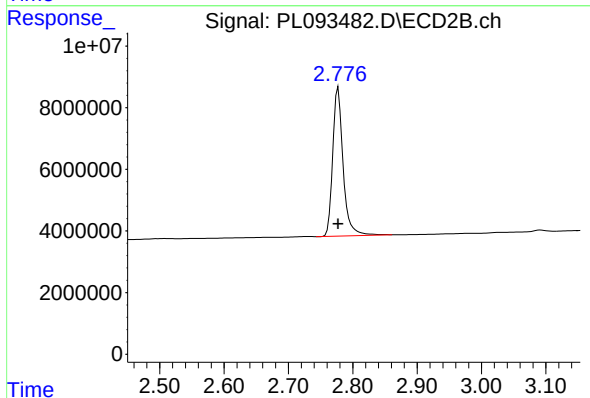
#1 Tetrachloro-m-xylene

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

Instrument :
ECD_L
ClientSampleId :
PEM

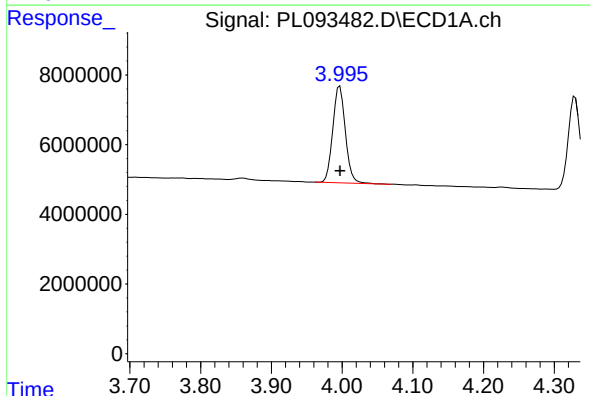
Manual Integrations
APPROVED

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



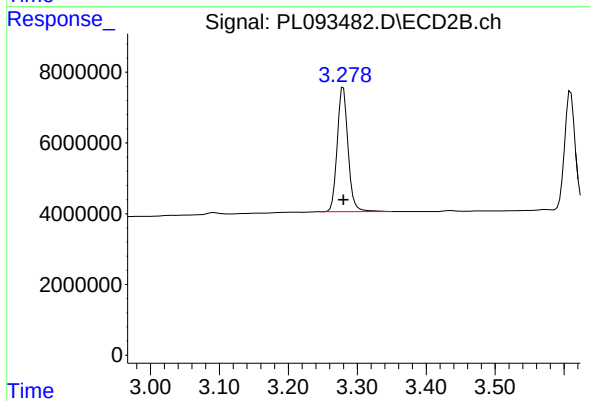
#1 Tetrachloro-m-xylene

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



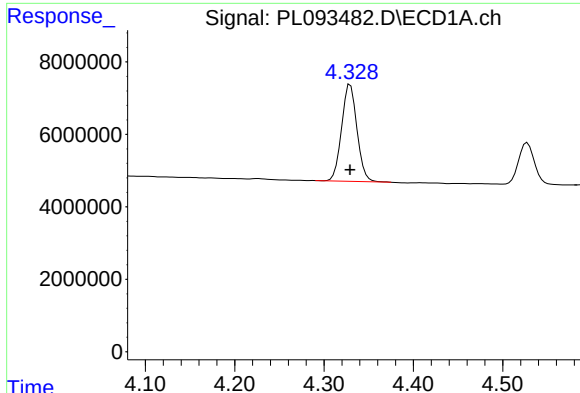
#2 alpha-BHC

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



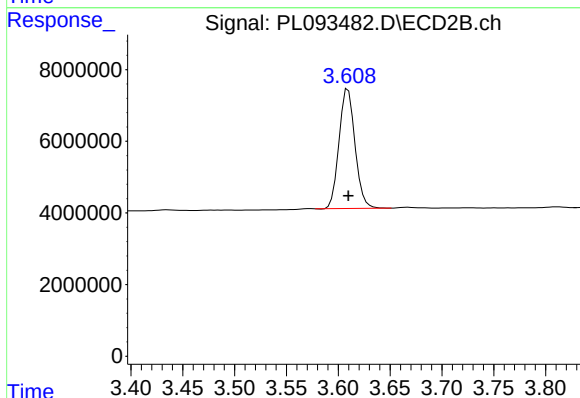
#3 gamma-BHC (Lindane)

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

Instrument :
ECD_L
ClientSampleId :
PEM

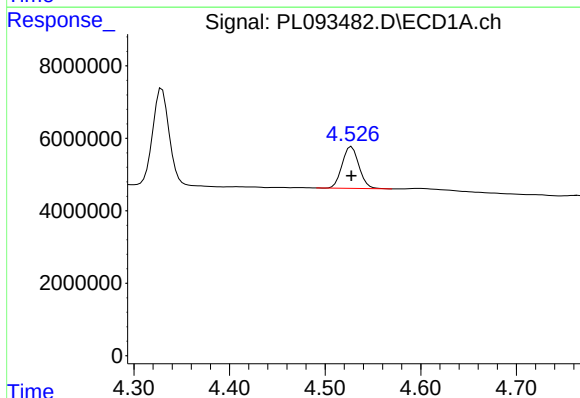
Manual Integrations
APPROVED

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



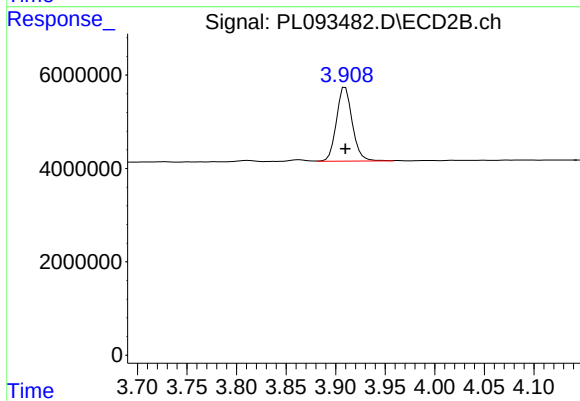
#3 gamma-BHC (Lindane)

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



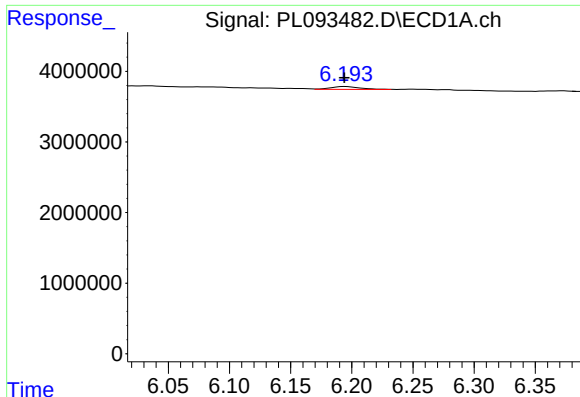
#6 beta-BHC

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



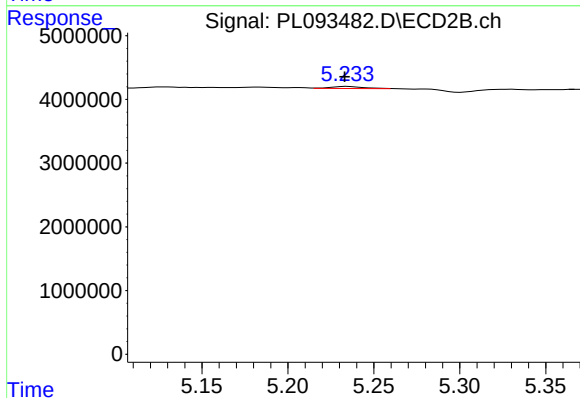
#12 4,4'-DDE

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

Instrument :
ECD_L
ClientSampleId :
PEM

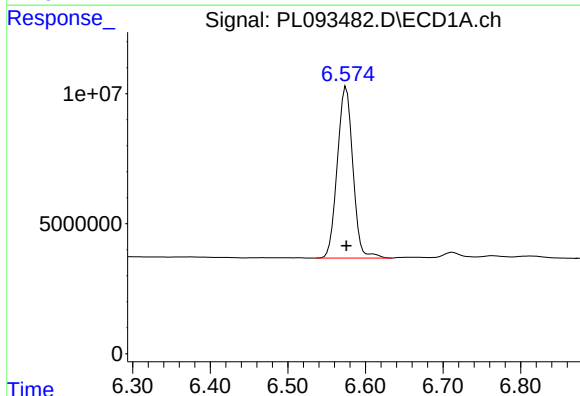
Manual Integrations
APPROVED

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



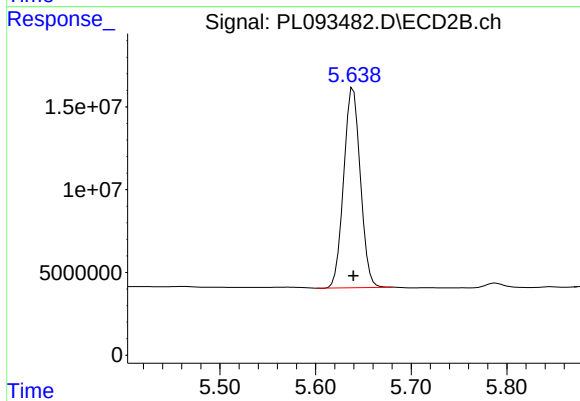
#12 4,4'-DDE

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



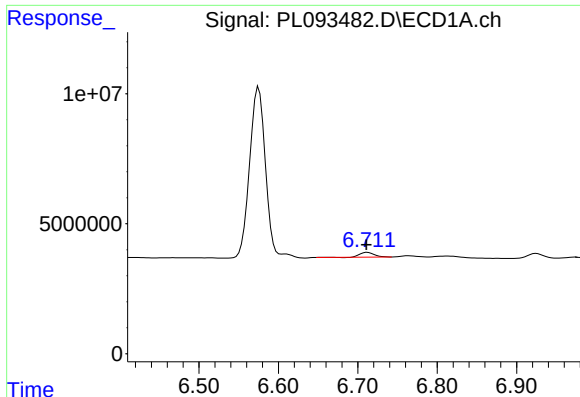
#14 Endrin

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



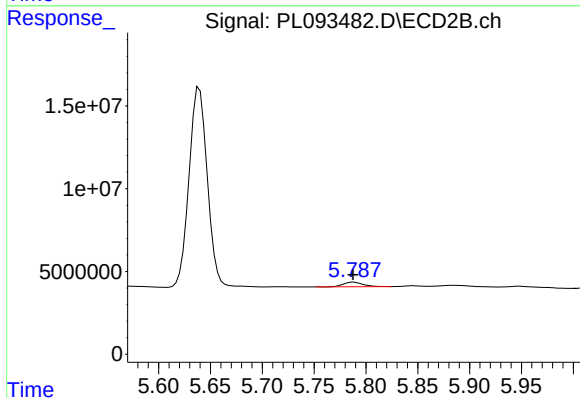
#16 4,4'-DDD

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

Instrument :
ECD_L
ClientSampleId :
PEM

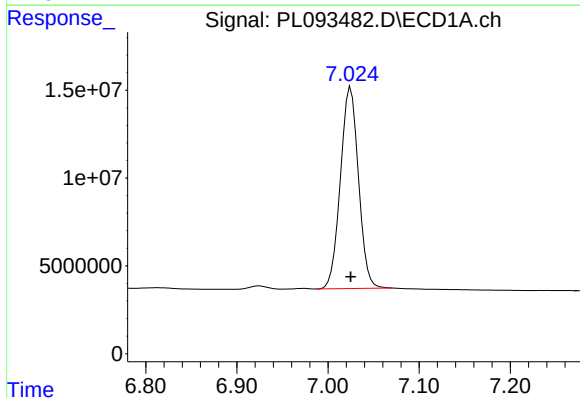
Manual Integrations
APPROVED

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



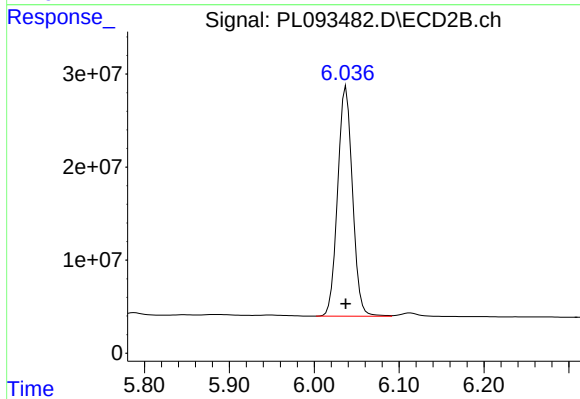
#16 4,4'-DDD

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



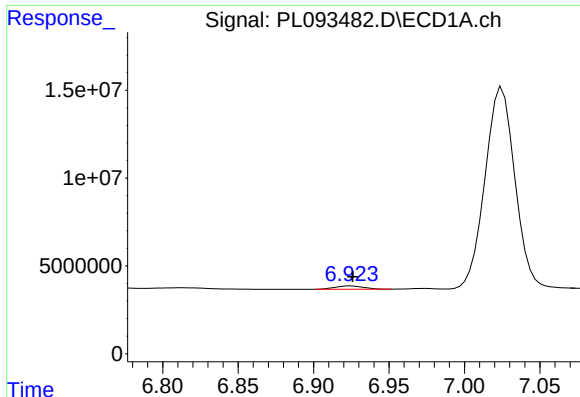
#17 4,4'-DDT

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



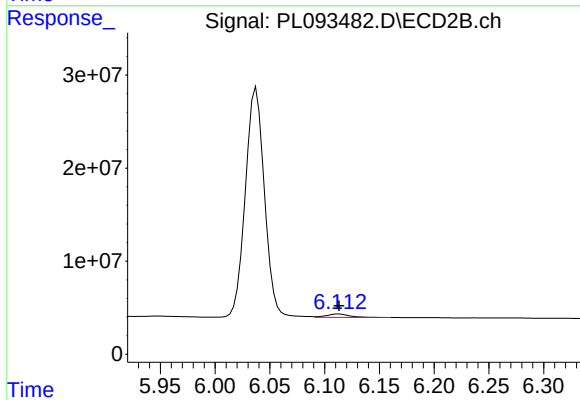
#18 Endrin aldehyde

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

Instrument :
ECD_L
ClientSampleId :
PEM

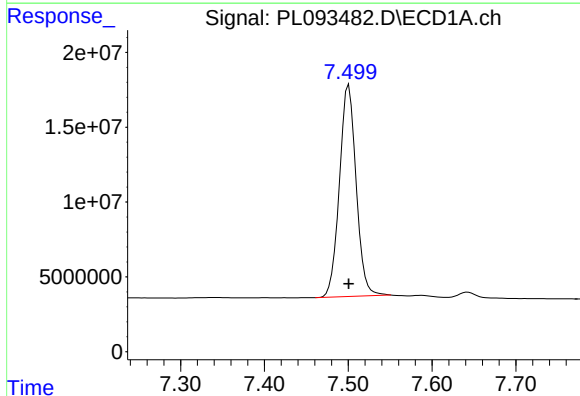
Manual Integrations
APPROVED

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



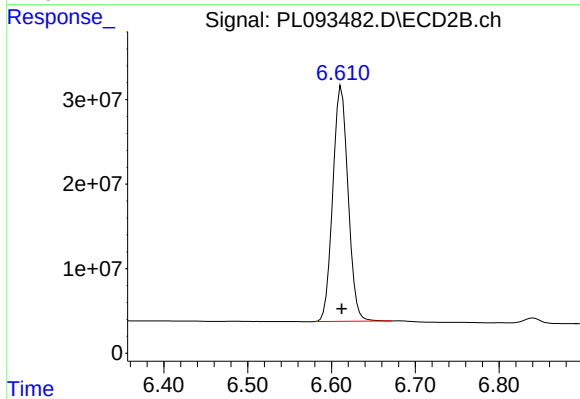
#18 Endrin aldehyde

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



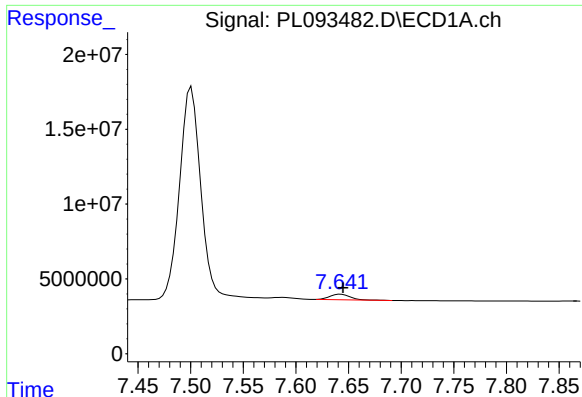
#20 Methoxychlor

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



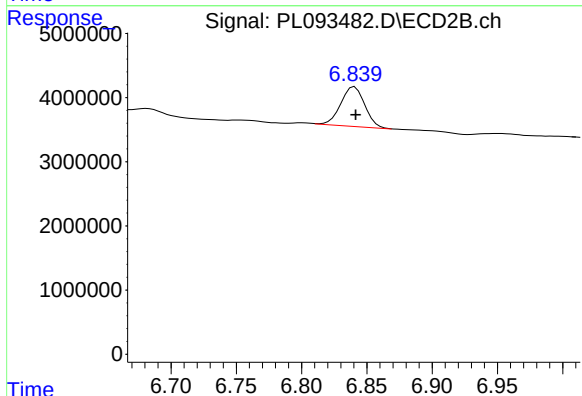
#21 Endrin ketone

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

Instrument :
ECD_L
ClientSampleId :
PEM

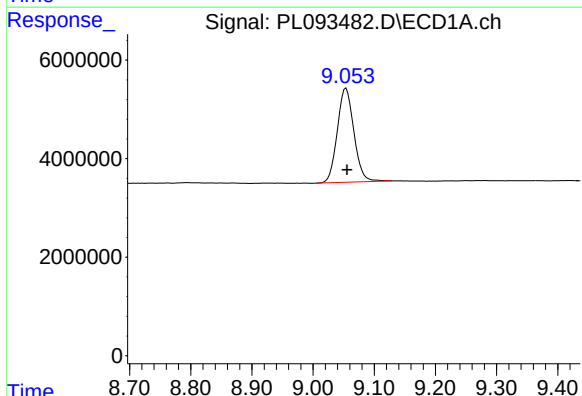
Manual Integrations
APPROVED

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



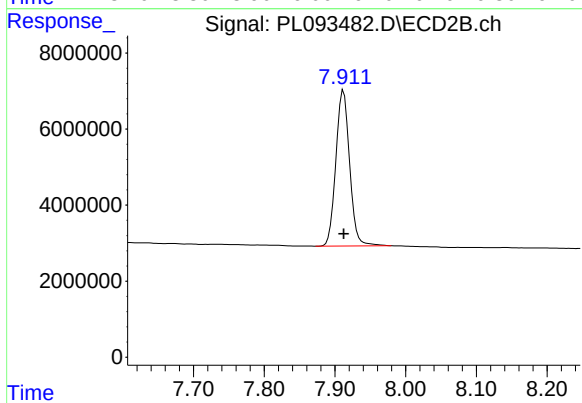
#21 Endrin ketone

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.: **Q1109** SAS No.: **Q1109** SDG NO.: **Q1109**

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

Client Sample No. (PEM): **PEM - PL093695.D** Date Analyzed: **01/20/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **09:05**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.055	8.950	9.160	22.130	20.000	10.7
Tetrachloro-m-xylene	3.540	3.490	3.590	23.190	20.000	16.0
alpha-BHC	3.995	3.940	4.050	12.040	10.000	20.4
beta-BHC	4.526	4.480	4.580	12.800	10.000	28.0
gamma-BHC (Lindane)	4.328	4.280	4.380	12.070	10.000	20.7
Endrin	6.574	6.500	6.640	47.580	50.000	-4.8
4,4'-DDT	7.024	6.950	7.090	100.200	100.000	0.2
Methoxychlor	7.500	7.430	7.570	228.710	250.000	-8.5

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

Client Sample No. (PEM): **PEM - PL093695.D** Date Analyzed: **01/20/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **09:05**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.911	7.810	8.010	20.550	20.000	2.8
Tetrachloro-m-xylene	2.776	2.730	2.830	22.760	20.000	13.8
alpha-BHC	3.277	3.230	3.330	10.900	10.000	9.0
beta-BHC	3.908	3.860	3.960	12.260	10.000	22.6
gamma-BHC (Lindane)	3.608	3.560	3.660	10.570	10.000	5.7
Endrin	5.637	5.570	5.710	52.210	50.000	4.4
4,4'-DDT	6.036	5.970	6.110	112.910	100.000	12.9
Methoxychlor	6.610	6.540	6.680	233.340	250.000	-6.7

Data File: PEM
 PL093695.D **Date Acquired** 1/20/2025 9:05
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	102419757.6	113375121.8	10955364.3	Down 9.66
Endrin aldehyde	6.92	3784030.919			
Endrin ketone	7.64	7171333.331			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	172715746.8	190393950.9	17678204.1	9.29
Endrin aldehyde #2	6.11	6236510.976			
Endrin ketone #2	6.84	11441693.12			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	185215427	190001622.1	4786195.14	2.52
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	4786195.144			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.04	341027149.6	348169749	7142599.38	2.05
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.79	7142599.383			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012025\
 Data File : PL093695.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Jan 2025 09:05
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 01/21/2025
 Supervised By :Ankita Jodhani 01/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jan 20 12:13:46 2025
 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	57422172	66266843	23.194	22.763
28) SA Decachlor...	9.055	7.911	40926875	61347914	22.134	20.546
Target Compounds						
2) A alpha-BHC	3.995	3.277	41567461	47360345	12.040	10.895
3) MA gamma-BHC...	4.328	3.608	39590599	44586631	12.072	10.567
6) B beta-BHC	4.526	3.908	18457493	22043582	12.804	12.264
14) MA Endrin	6.574	5.637	102.4E6	172.7E6	47.583	52.206
16) A 4,4'-DDD	6.709	5.785	4786195	7142599	2.726m	2.524
17) MA 4,4'-DDT	7.024	6.036	185.2E6	341.0E6	100.196	112.912
18) B Endrin al...	6.925	6.111	3784031	6236511	2.132	2.316
20) A Methoxychlor	7.500	6.610	228.6E6	375.6E6	228.708	233.336
21) B Endrin ke...	7.644	6.839	7171333	11441693	3.196	3.143

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012025\
Data File : PL093695.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Jan 2025 09:05
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

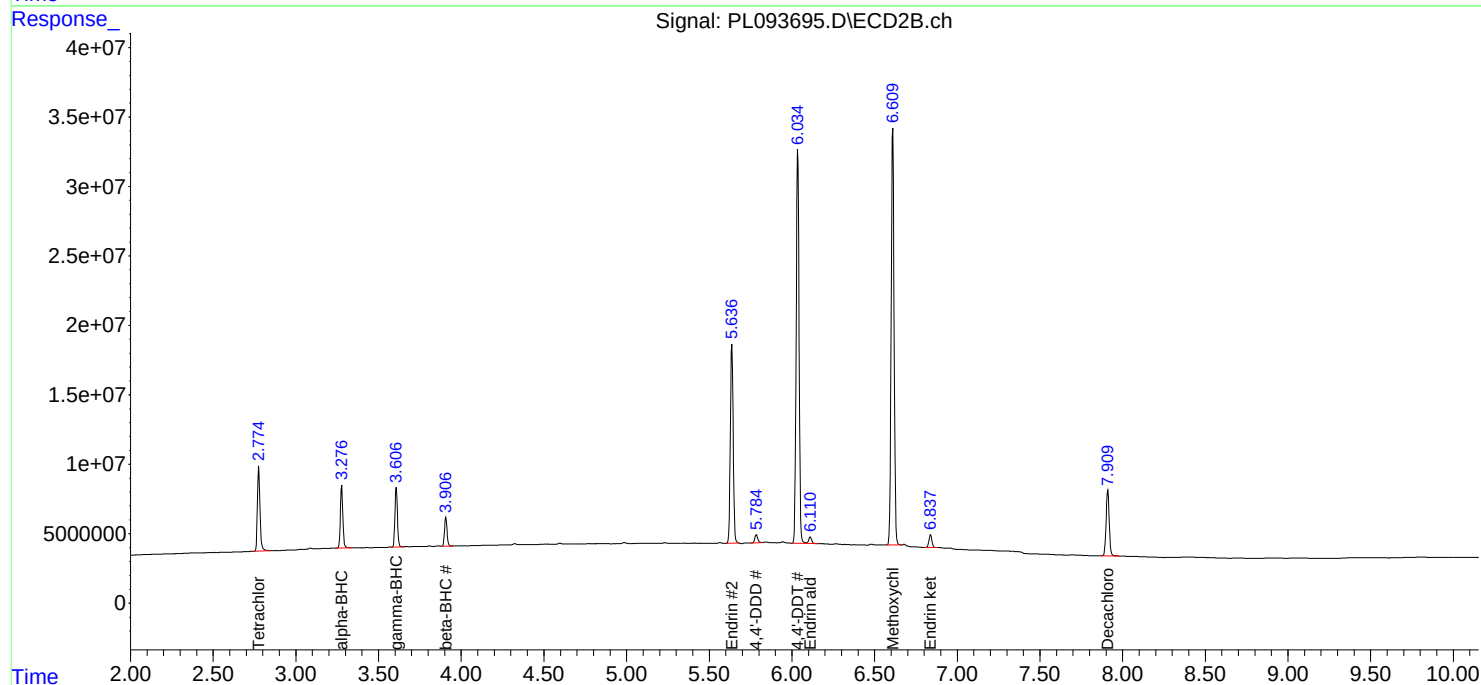
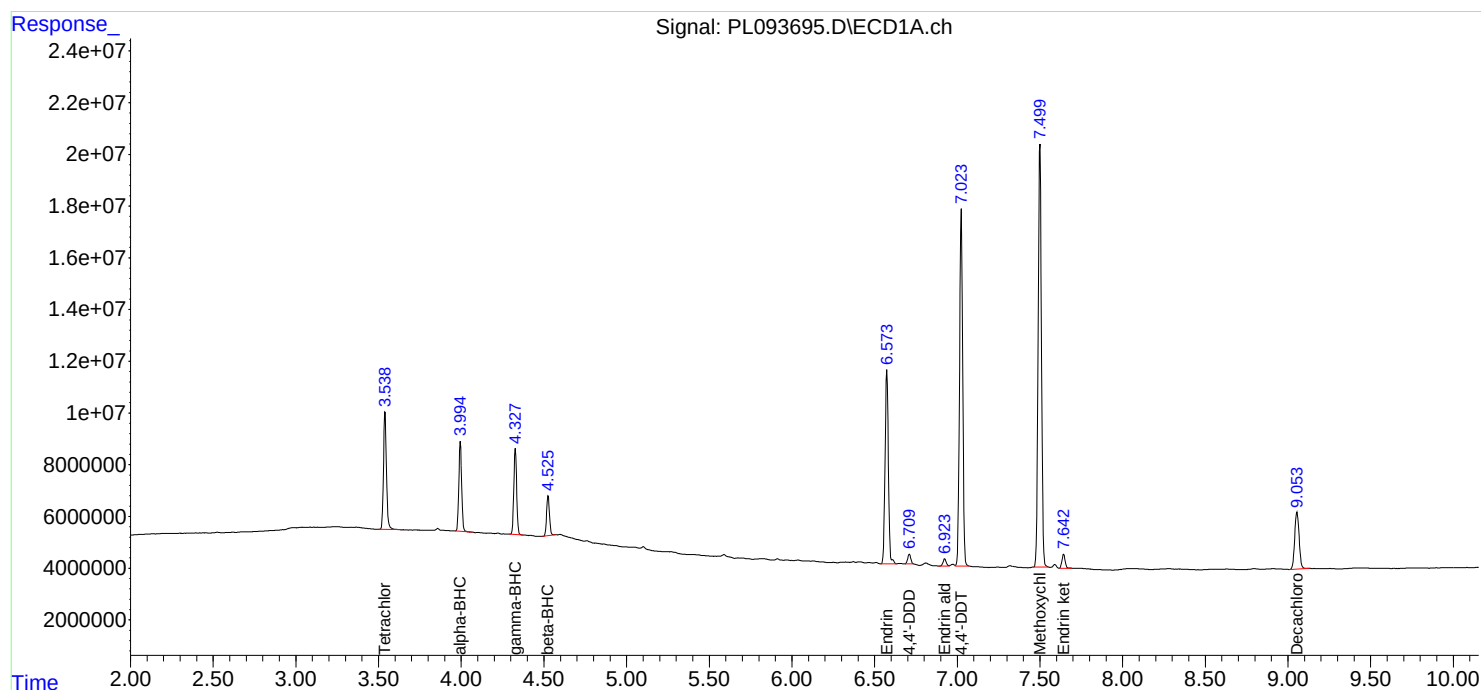
Instrument :
ECD_L
ClientSampleId :
PEM

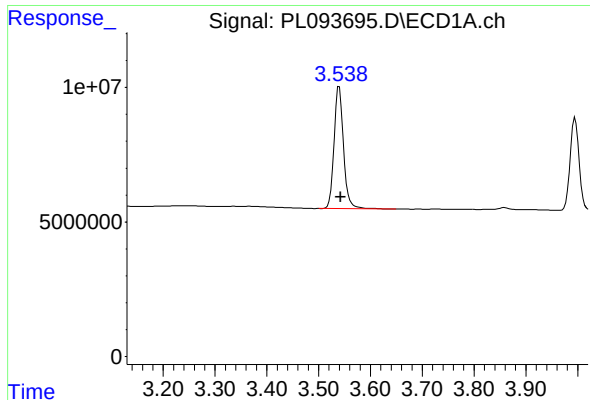
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 01/21/2025
Supervised By : Ankita Jodhani 01/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 20 12:13:46 2025
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





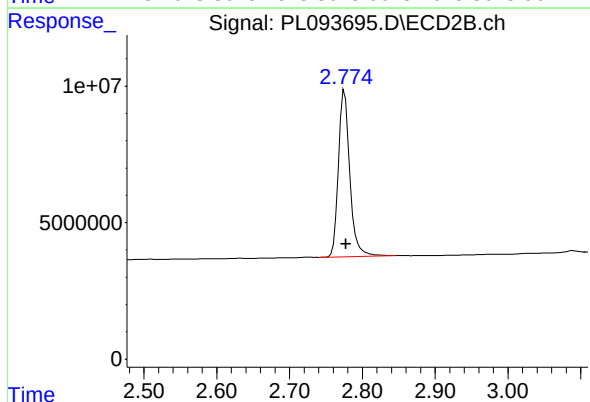
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: -0.002 min
Response: 57422172
Conc: 23.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

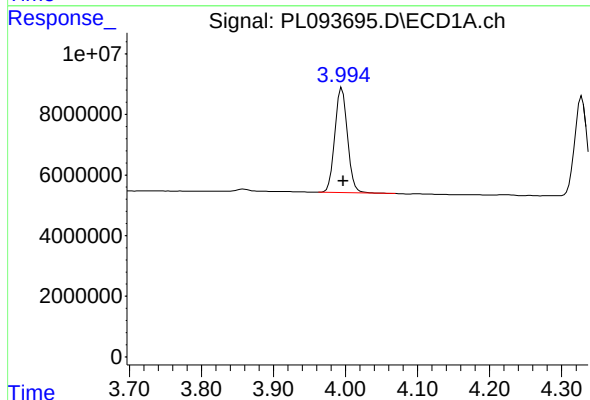
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/21/2025
Supervised By :Ankita Jodhani 01/21/2025



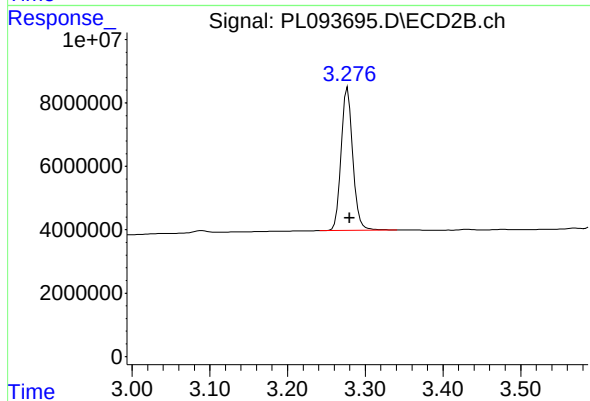
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.002 min
Response: 66266843
Conc: 22.76 ng/ml



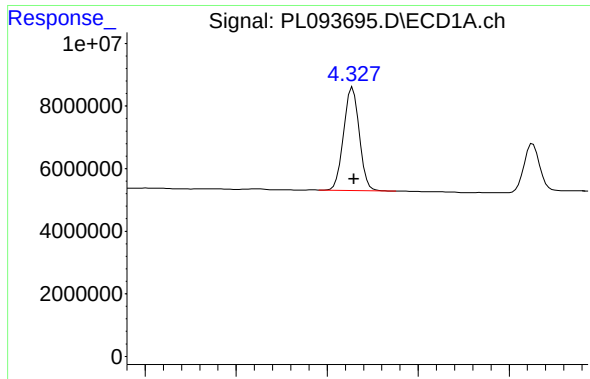
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: -0.002 min
Response: 41567461
Conc: 12.04 ng/ml



#2 alpha-BHC

R.T.: 3.277 min
Delta R.T.: -0.002 min
Response: 47360345
Conc: 10.90 ng/ml



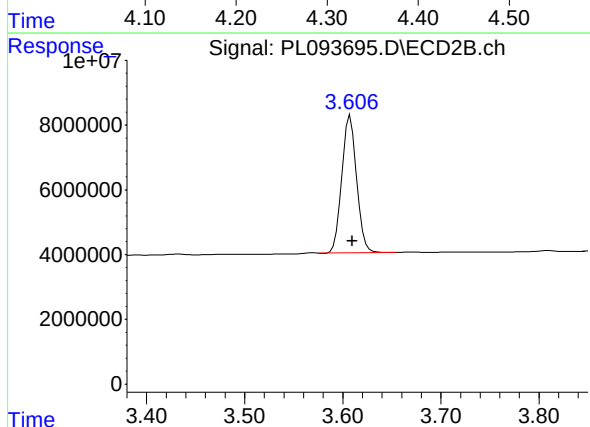
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: -0.001 min
Response: 39590599
Conc: 12.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

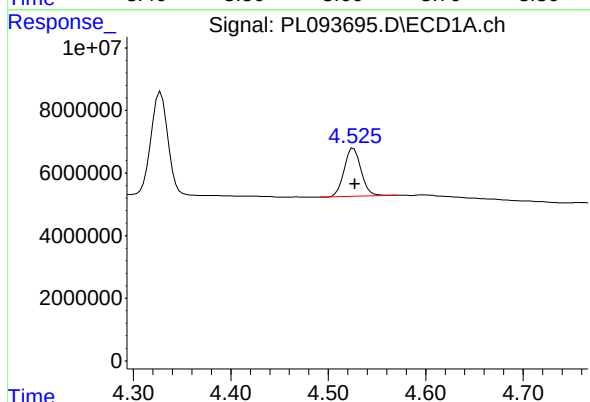
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/21/2025
Supervised By :Ankita Jodhani 01/21/2025



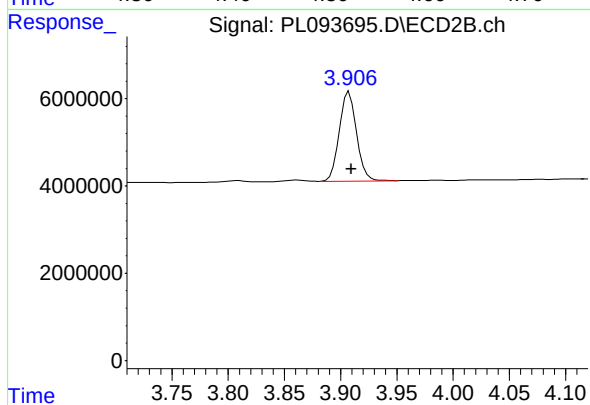
#3 gamma-BHC (Lindane)

R.T.: 3.608 min
Delta R.T.: -0.002 min
Response: 44586631
Conc: 10.57 ng/ml



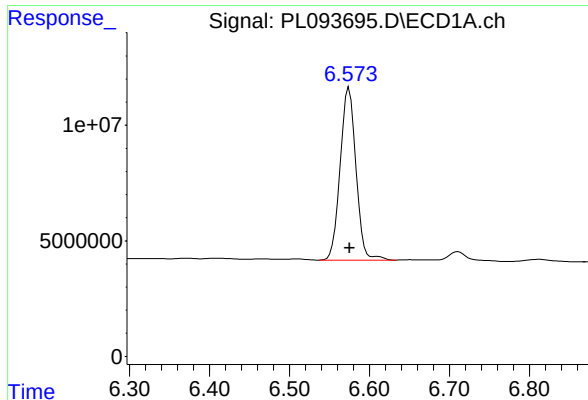
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: -0.001 min
Response: 18457493
Conc: 12.80 ng/ml



#6 beta-BHC

R.T.: 3.908 min
Delta R.T.: -0.002 min
Response: 22043582
Conc: 12.26 ng/ml



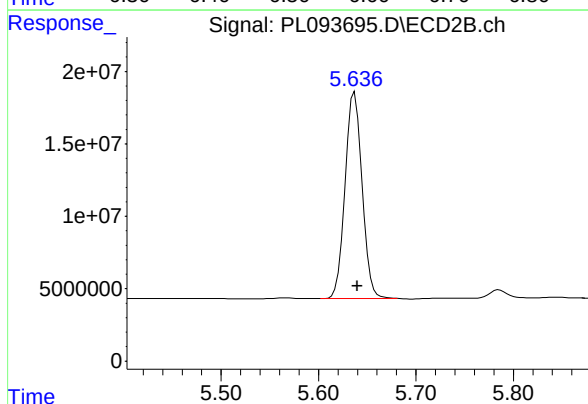
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 102419758
Conc: 47.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

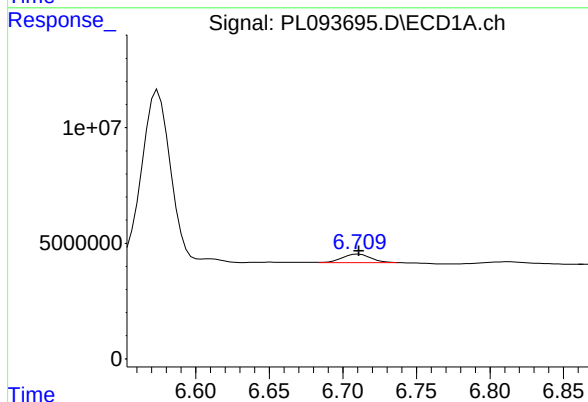
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/21/2025
Supervised By :Ankita Jodhani 01/21/2025



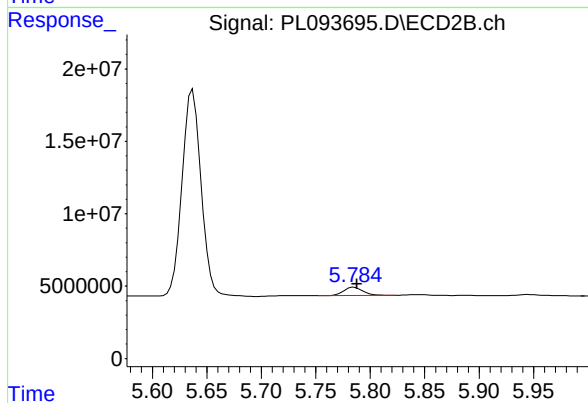
#14 Endrin

R.T.: 5.637 min
Delta R.T.: -0.003 min
Response: 172715747
Conc: 52.21 ng/ml



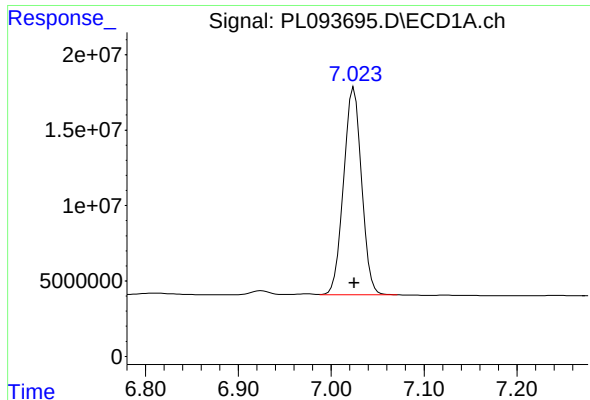
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: -0.002 min
Response: 4786195
Conc: 2.73 ng/ml m



#16 4,4'-DDD

R.T.: 5.785 min
Delta R.T.: -0.002 min
Response: 7142599
Conc: 2.52 ng/ml



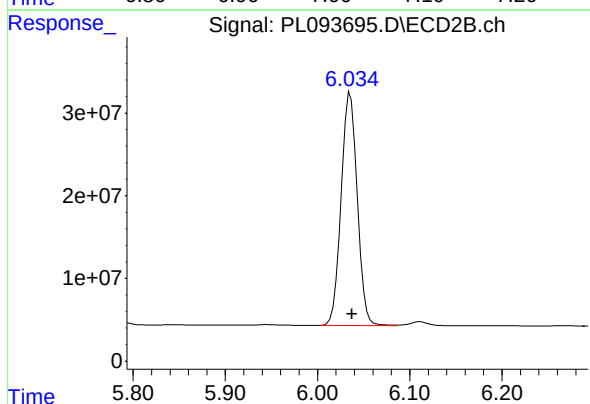
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 185215427
Conc: 100.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

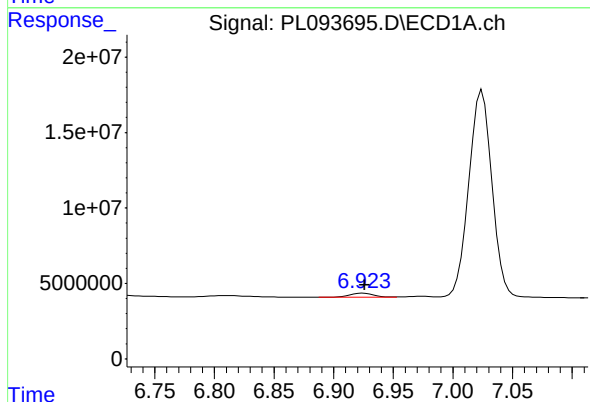
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/21/2025
Supervised By :Ankita Jodhani 01/21/2025



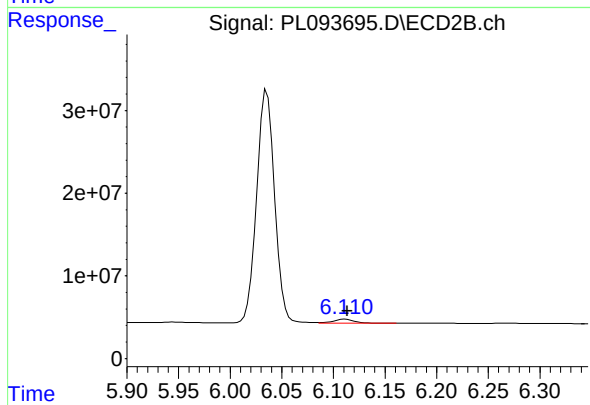
#17 4,4'-DDT

R.T.: 6.036 min
Delta R.T.: -0.002 min
Response: 341027150
Conc: 112.91 ng/ml



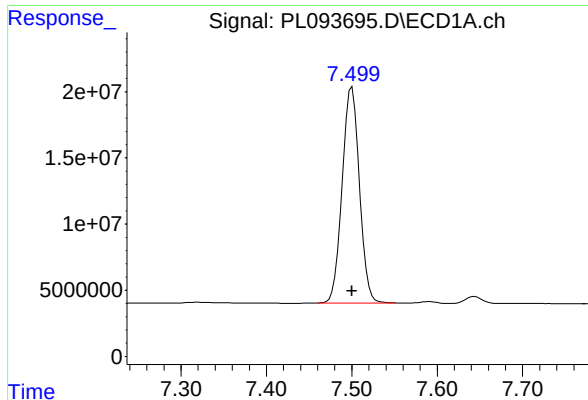
#18 Endrin aldehyde

R.T.: 6.925 min
Delta R.T.: -0.001 min
Response: 3784031
Conc: 2.13 ng/ml



#18 Endrin aldehyde

R.T.: 6.111 min
Delta R.T.: -0.002 min
Response: 6236511
Conc: 2.32 ng/ml



#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 228634851
Conc: 228.71 ng/ml

Instrument :

ECD_L

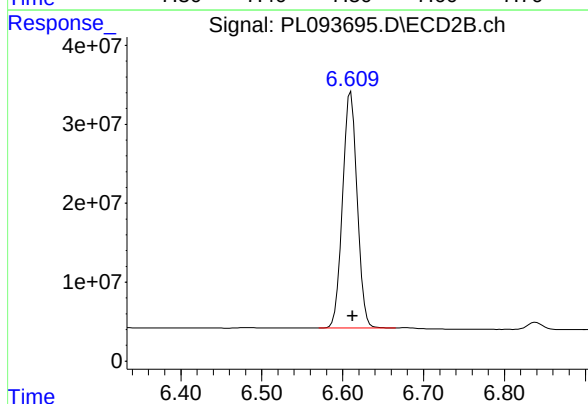
ClientSampleId :

PEM

Manual Integrations

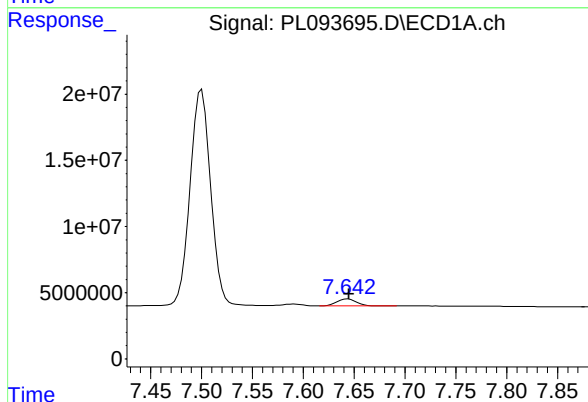
APPROVED

Reviewed By :Abdul Mirza 01/21/2025
Supervised By :Ankita Jodhani 01/21/2025



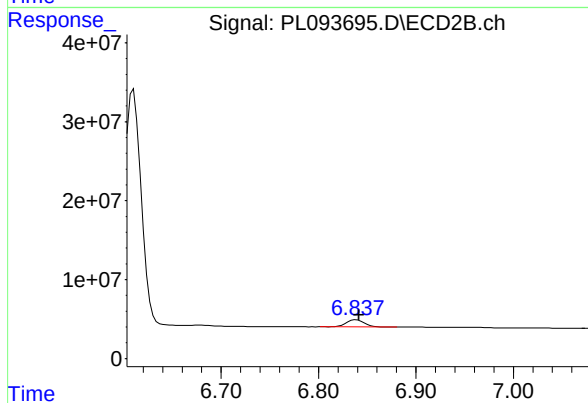
#20 Methoxychlor

R.T.: 6.610 min
Delta R.T.: -0.002 min
Response: 375587197
Conc: 233.34 ng/ml



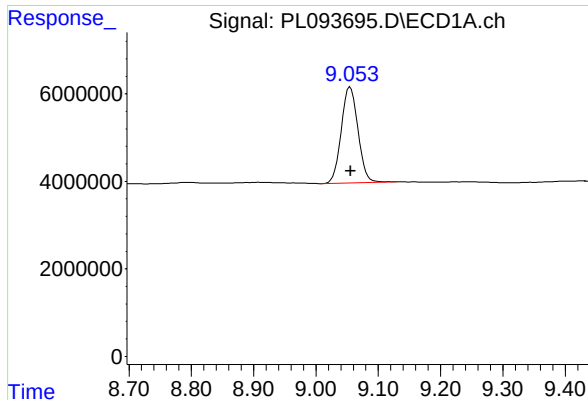
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: -0.001 min
Response: 7171333
Conc: 3.20 ng/ml



#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: -0.003 min
Response: 11441693
Conc: 3.14 ng/ml



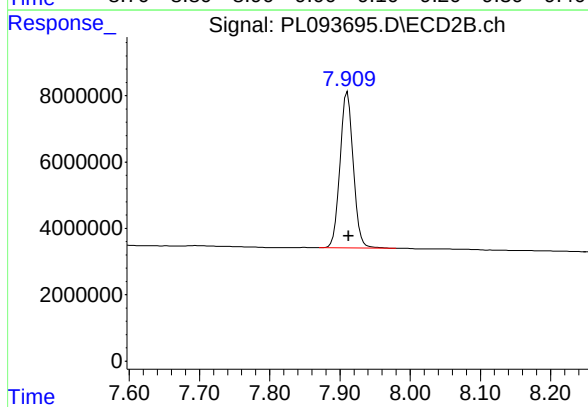
#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.000 min
Response: 40926875
Conc: 22.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 01/21/2025
Supervised By :Ankita Jodhani 01/21/2025



#28 Decachlorobiphenyl

R.T.: 7.911 min
Delta R.T.: -0.002 min
Response: 61347914
Conc: 20.55 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%

PL122324.M Thu Jan 02 03:45:02 2025

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

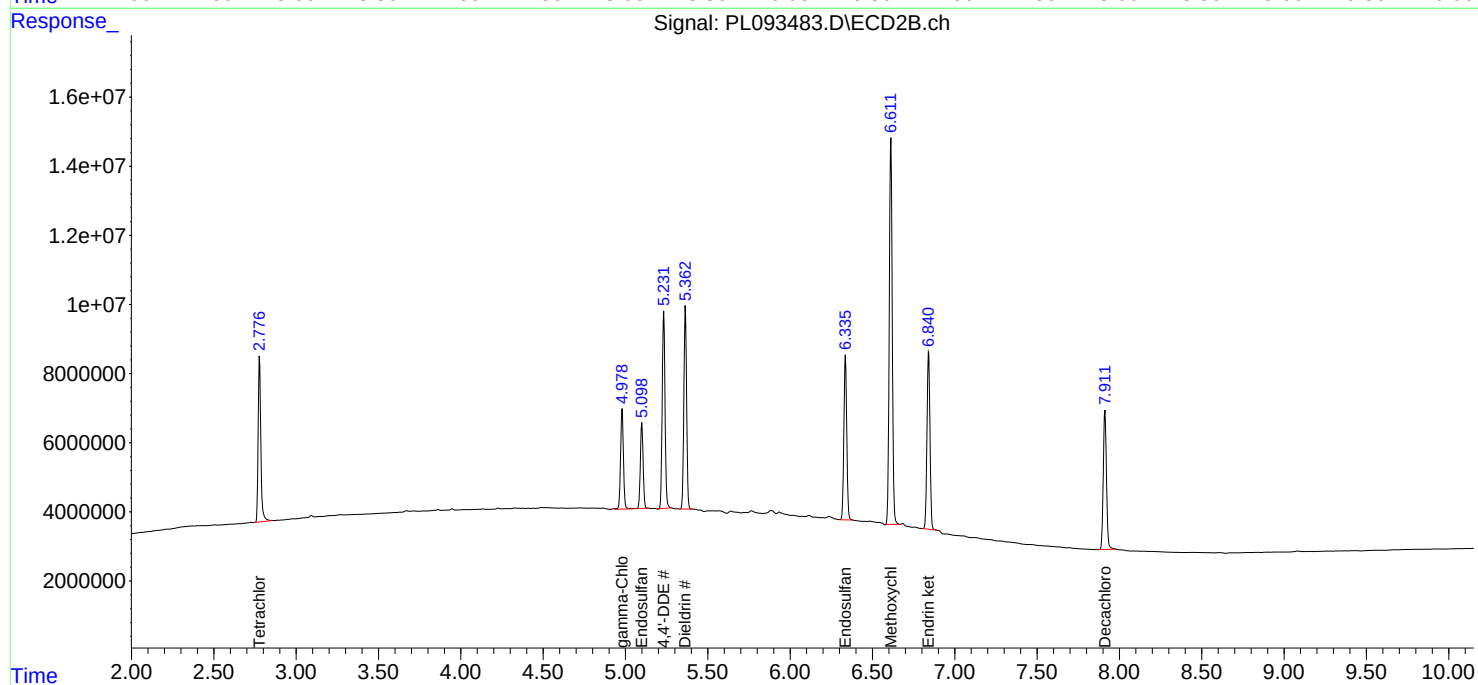
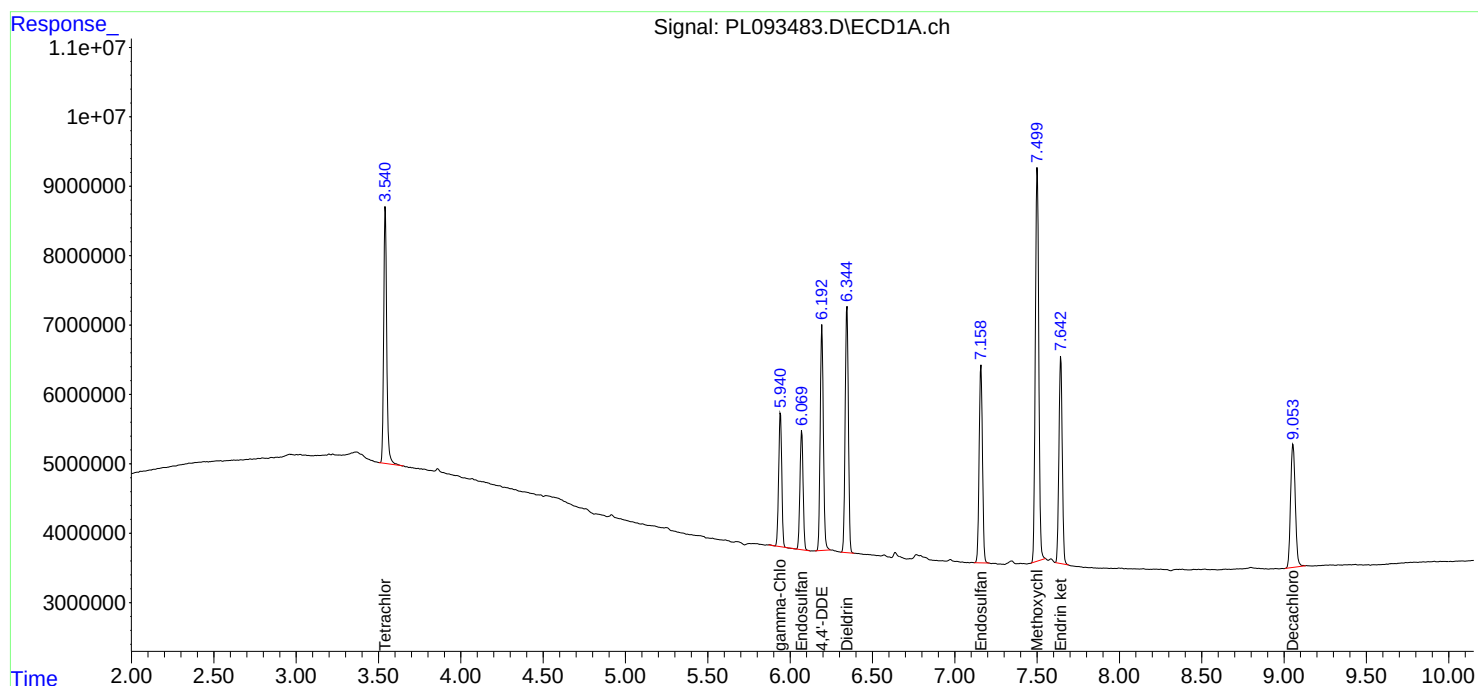
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

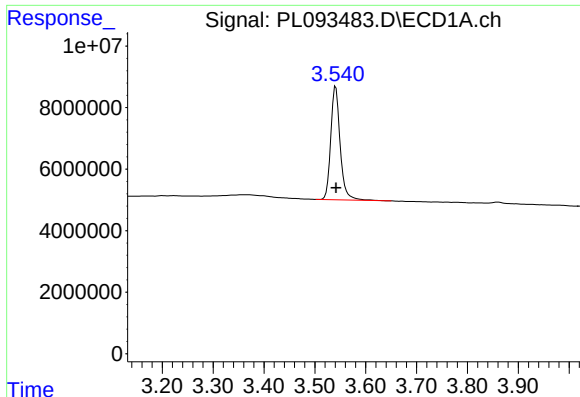
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
Data File : PL093483.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Dec 2024 13:01
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

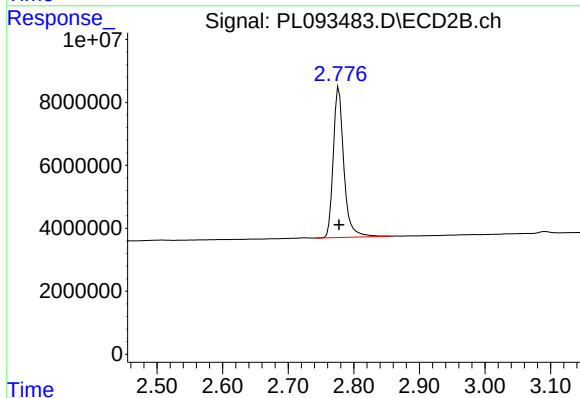




#1 Tetrachloro-m-xylene

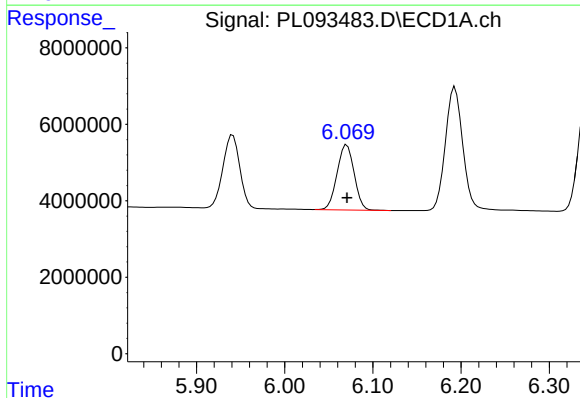
R.T.: 3.541 min
Delta R.T.: 0.000 min
Response: 47247379
Conc: 19.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



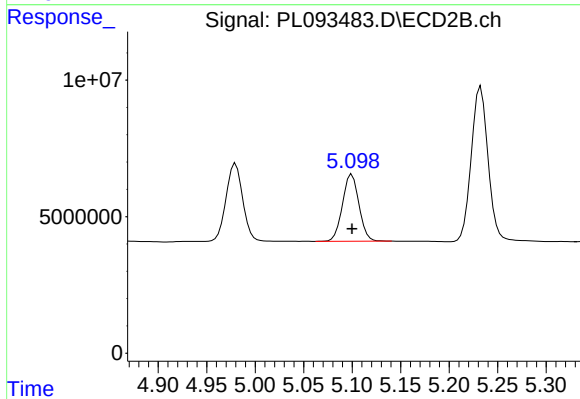
#1 Tetrachloro-m-xylene

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



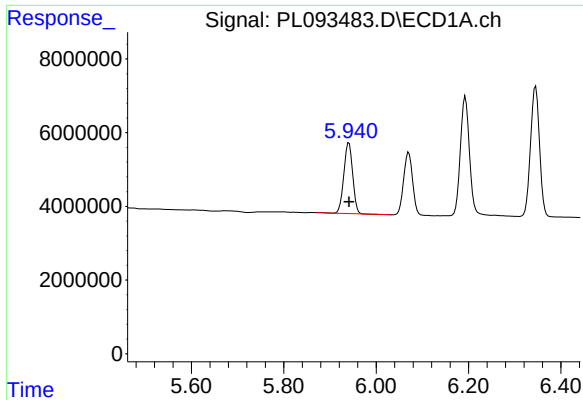
#9 Endosulfan I

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



#9 Endosulfan I

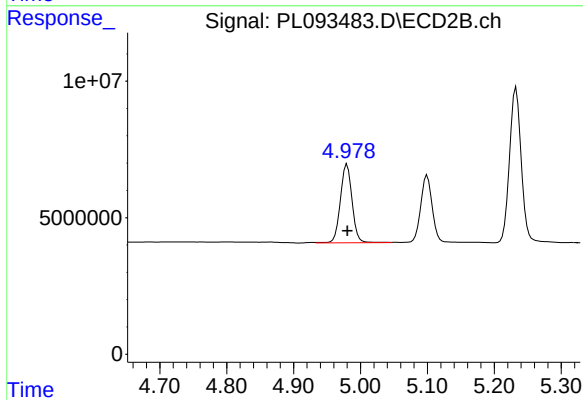
R.T.: 5.100 min
Delta R.T.: 0.000 min
Response: 29031282
Conc: 8.31 ng/ml



#10 gamma-Chlordane

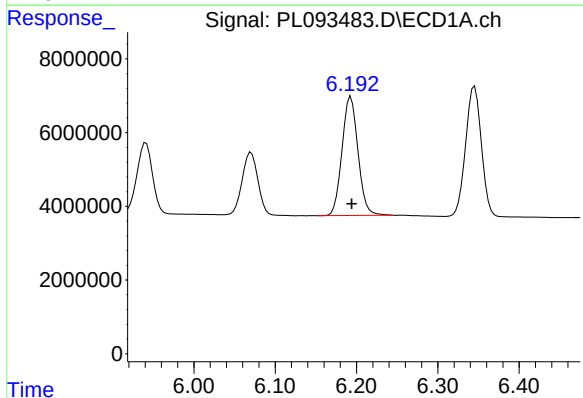
R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 25518132
Conc: 10.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



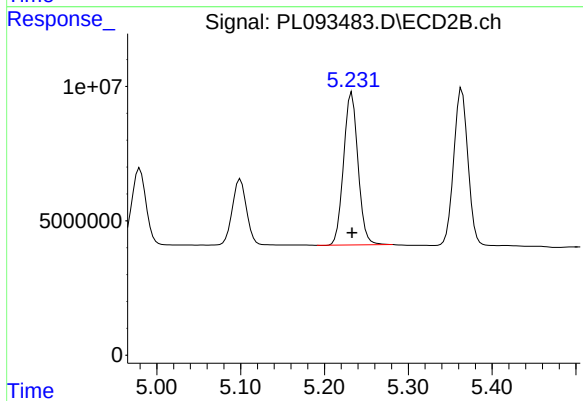
#10 gamma-Chlordane

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



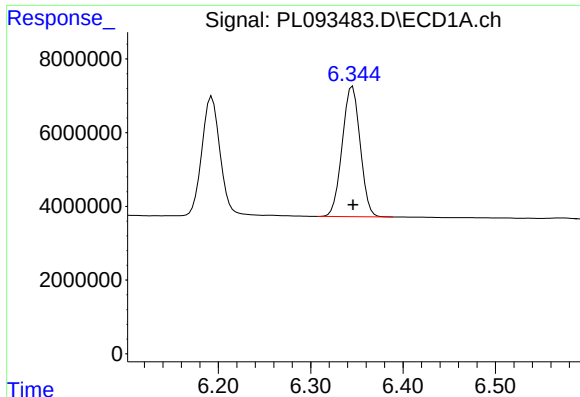
#12 4,4'-DDE

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



#12 4,4'-DDE

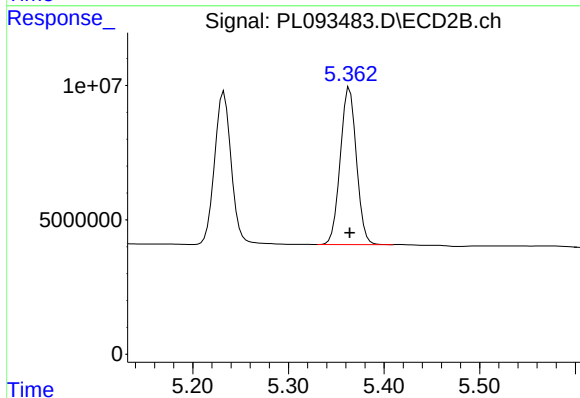
R.T.: 5.233 min
Delta R.T.: 0.000 min
Response: 67872004
Conc: 18.46 ng/ml



#13 Dieldrin

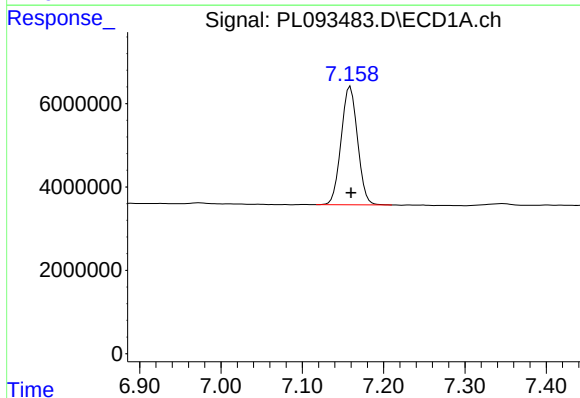
R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 47794483
Conc: 19.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



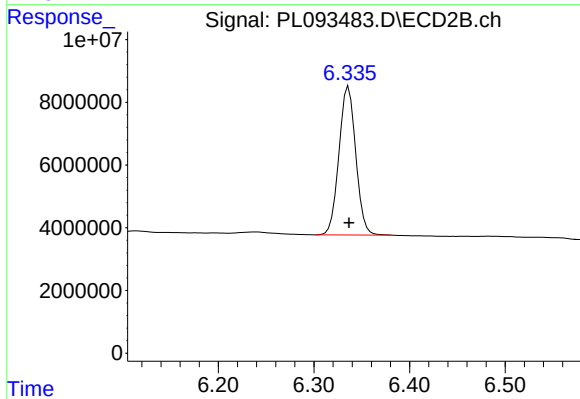
#13 Dieldrin

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



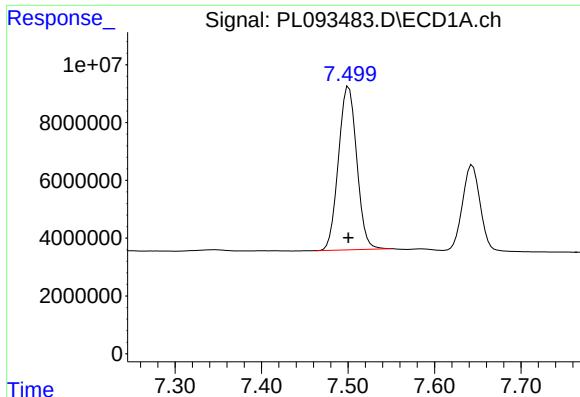
#19 Endosulfan Sulfate

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



#19 Endosulfan Sulfate

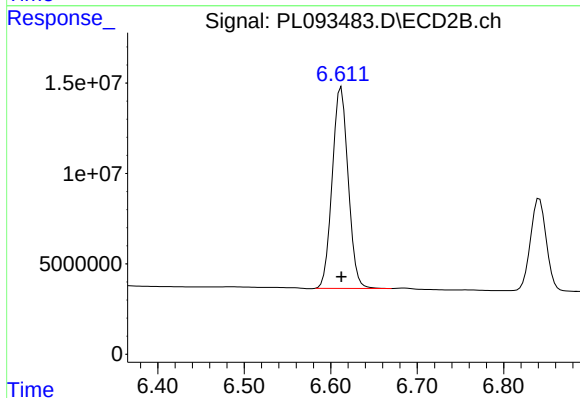
R.T.: 6.336 min
Delta R.T.: 0.000 min
Response: 57865387
Conc: 18.34 ng/ml



#20 Methoxychlor

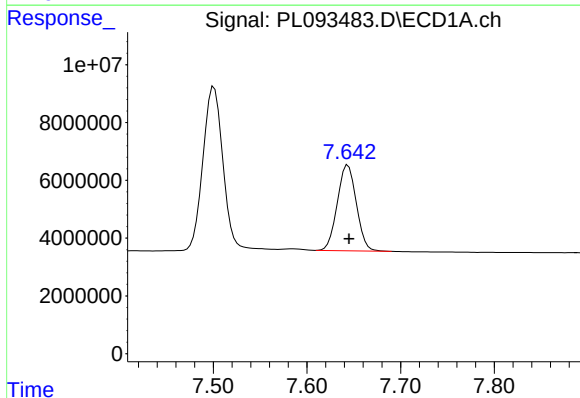
R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 82790933
Conc: 82.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



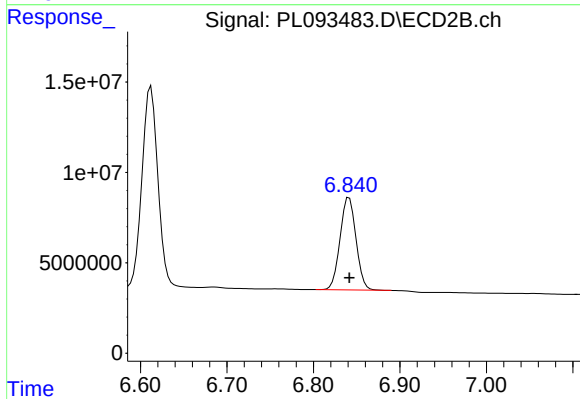
#20 Methoxychlor

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



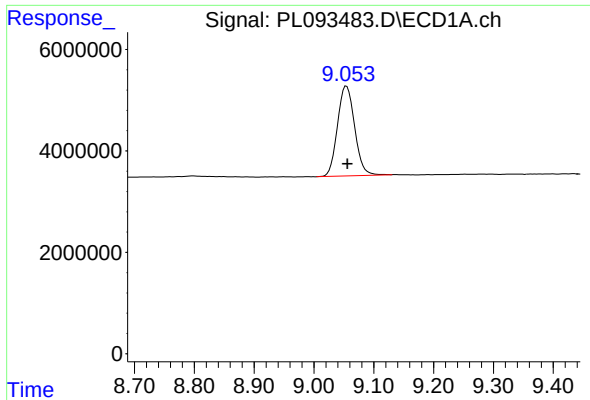
#21 Endrin ketone

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



#21 Endrin ketone

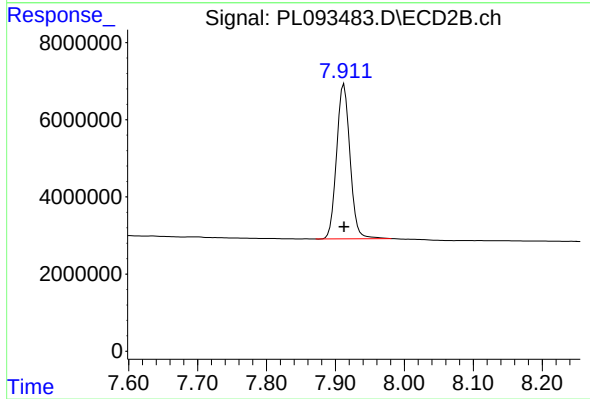
R.T.: 6.841 min
Delta R.T.: 0.000 min
Response: 65132993
Conc: 17.89 ng/ml



#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.: Q1109
Project: Ft Meade Tipton Airfield Parcel RI - PO 0111	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
PSTDICCC100	PSTDICCC100	12/23/2024	13:15	PL093484.D	9.06	3.54
PSTDICCC075	PSTDICCC075	12/23/2024	13:28	PL093485.D	9.06	3.54
PSTDICCC050	PSTDICCC050	12/23/2024	13:42	PL093486.D	9.06	3.54
PSTDICCC025	PSTDICCC025	12/23/2024	13:55	PL093487.D	9.05	3.54
PSTDICCC005	PSTDICCC005	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
IBLK	IBLK	01/20/2025	08:51	PL093694.D	9.06	3.54
PEM	PEM	01/20/2025	09:05	PL093695.D	9.06	3.54
PSTDCCC050	PSTDCCC050	01/20/2025	09:18	PL093696.D	9.06	3.54
PB166101BL	PB166101BL	01/20/2025	12:22	PL093701.D	9.06	3.54
PB166101BS	PB166101BS	01/20/2025	12:35	PL093702.D	9.06	3.54
PB166101BSD	PB166101BSD	01/20/2025	13:01	PL093703.D	9.06	3.55
TAPIAL1-MW04S-011525-00-T2	Q1109-02	01/20/2025	13:15	PL093704.D	9.06	3.54
IBLK	IBLK	01/20/2025	13:50	PL093706.D	9.08	3.57
PSTDCCC050	PSTDCCC050	01/20/2025	14:19	PL093707.D	9.06	3.54

Analytical Sequence

Client: Weston Solutions	SDG No.: Q1109
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
PSTDICCC100	PSTDICCC100	12/23/2024	13:15	PL093484.D	7.91	2.78
PSTDICCC075	PSTDICCC075	12/23/2024	13:28	PL093485.D	7.91	2.78
PSTDICCC050	PSTDICCC050	12/23/2024	13:42	PL093486.D	7.91	2.78
PSTDICCC025	PSTDICCC025	12/23/2024	13:55	PL093487.D	7.91	2.78
PSTDICCC005	PSTDICCC005	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
IBLK	IBLK	01/20/2025	08:51	PL093694.D	7.91	2.78
PEM	PEM	01/20/2025	09:05	PL093695.D	7.91	2.78
PSTDCCC050	PSTDCCC050	01/20/2025	09:18	PL093696.D	7.91	2.78
PB166101BL	PB166101BL	01/20/2025	12:22	PL093701.D	7.91	2.78
PB166101BS	PB166101BS	01/20/2025	12:35	PL093702.D	7.91	2.78
PB166101BSD	PB166101BSD	01/20/2025	13:01	PL093703.D	7.91	2.78
TAPIAL1-MW04S-011525-00-T2	Q1109-02	01/20/2025	13:15	PL093704.D	7.91	2.78
IBLK	IBLK	01/20/2025	13:50	PL093706.D	7.91	2.78
PSTDCCC050	PSTDCCC050	01/20/2025	14:19	PL093707.D	7.91	2.78

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166101BS

Contract: WEST04

Lab Code: CHEM

Case No.: Q1109

SAS No.: Q1109

SDG NO.: Q1109

Lab Sample ID: PB166101BS

Date(s) Analyzed: 01/20/2025

01/20/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.79	6.74	6.84	0.46	14.1
	2	5.93	5.88	5.98	0.53	
4,4'-DDD	1	6.71	6.66	6.76	0.52	5.7
	2	5.79	5.74	5.84	0.55	
4,4'-DDT	1	7.02	6.97	7.07	0.50	1.9
	2	6.04	5.99	6.09	0.51	
Endrin aldehyde	1	6.92	6.87	6.97	0.47	6.4
	2	6.11	6.06	6.16	0.50	
Endosulfan sulfate	1	7.16	7.11	7.21	0.48	6.4
	2	6.33	6.28	6.38	0.51	
Methoxychlor	1	7.50	7.45	7.55	0.48	0.1
	2	6.61	6.56	6.66	0.48	
Endrin ketone	1	7.64	7.59	7.69	0.49	7.1
	2	6.84	6.79	6.89	0.52	
alpha-BHC	1	3.99	3.94	4.04	0.47	4.4
	2	3.28	3.23	3.33	0.49	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.46	3
	2	3.61	3.56	3.66	0.48	
Heptachlor	1	4.92	4.87	4.97	0.48	1.8
	2	3.95	3.90	4.00	0.49	
Aldrin	1	5.26	5.21	5.31	0.46	2.7
	2	4.23	4.18	4.28	0.47	
beta-BHC	1	4.53	4.48	4.58	0.48	3.2
	2	3.91	3.86	3.96	0.50	
delta-BHC	1	4.77	4.72	4.82	0.47	0.5
	2	4.14	4.09	4.19	0.48	
Heptachlor epoxide	1	5.68	5.63	5.73	0.47	3
	2	4.73	4.68	4.78	0.48	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166101BS

Contract: WEST04

Lab Code: CHEM

Case No.: Q1109

SAS No.: Q1109

SDG NO.: Q1109

Lab Sample ID: PB166101BS

Date(s) Analyzed: 01/20/2025

01/20/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	0.48	5.6
	2	5.10	5.05	5.15	0.51	
gamma-Chlordane	1	5.94	5.89	5.99	0.48	5
	2	4.98	4.93	5.03	0.51	
alpha-Chlordane	1	6.02	5.97	6.07	0.48	3.8
	2	5.04	4.99	5.09	0.50	
4,4'-DDE	1	6.19	6.14	6.24	0.50	2.4
	2	5.23	5.18	5.28	0.51	
Dieldrin	1	6.34	6.29	6.39	0.48	5.4
	2	5.36	5.31	5.41	0.50	
Endrin	1	6.57	6.52	6.62	0.46	8.6
	2	5.64	5.59	5.69	0.50	
Mirex	1	8.12	8.07	8.17	0.44	3.6
	2	7.02	6.97	7.07	0.46	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166101BSD

Contract: WEST04

Lab Code: CHEM

Case No.: Q1109

SAS No.: Q1109

SDG NO.: Q1109

Lab Sample ID: PB166101BSD

Date(s) Analyzed: 01/20/2025

01/20/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.72	6.67	6.77	0.51	5.7
	2	5.79	5.74	5.84	0.54	
4,4'-DDT	1	7.03	6.98	7.08	0.49	1.9
	2	6.04	5.99	6.09	0.50	
Aldrin	1	5.26	5.21	5.31	0.45	0.7
	2	4.23	4.18	4.28	0.46	
4,4'-DDE	1	6.20	6.15	6.25	0.49	1.1
	2	5.23	5.18	5.28	0.49	
Endosulfan II	1	6.80	6.75	6.85	0.45	13.9
	2	5.93	5.88	5.98	0.52	
Endrin aldehyde	1	6.93	6.88	6.98	0.47	6
	2	6.11	6.06	6.16	0.49	
Endosulfan sulfate	1	7.16	7.11	7.21	0.48	6.2
	2	6.34	6.29	6.39	0.51	
Methoxychlor	1	7.51	7.46	7.56	0.48	0
	2	6.61	6.56	6.66	0.48	
Endrin ketone	1	7.65	7.60	7.70	0.49	6.3
	2	6.84	6.79	6.89	0.52	
alpha-BHC	1	4.00	3.95	4.05	0.45	2.5
	2	3.28	3.23	3.33	0.47	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	0.45	1.1
	2	3.61	3.56	3.66	0.46	
Heptachlor	1	4.92	4.87	4.97	0.48	0.8
	2	3.95	3.90	4.00	0.47	
beta-BHC	1	4.53	4.48	4.58	0.47	2.5
	2	3.91	3.86	3.96	0.48	
delta-BHC	1	4.78	4.73	4.83	0.47	1.8
	2	4.14	4.09	4.19	0.46	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166101BSD

Contract: WEST04

Lab Code: CHEM

Case No.: Q1109

SAS No.: Q1109

SDG NO.: Q1109

Lab Sample ID: PB166101BSD

Date(s) Analyzed: 01/20/2025

01/20/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Heptachlor epoxide	1	5.69	5.64	5.74	0.46	1
	2	4.73	4.68	4.78	0.47	
Endosulfan I	1	6.08	6.03	6.13	0.47	3.6
	2	5.10	5.05	5.15	0.49	
gamma-Chlordane	1	5.95	5.90	6.00	0.47	3.6
	2	4.98	4.93	5.03	0.49	
alpha-Chlordane	1	6.03	5.98	6.08	0.48	1.7
	2	5.04	4.99	5.09	0.49	
Dieldrin	1	6.35	6.30	6.40	0.47	3.6
	2	5.36	5.31	5.41	0.49	
Endrin	1	6.58	6.53	6.63	0.46	7.2
	2	5.64	5.59	5.69	0.49	
Mirex	1	8.12	8.07	8.17	0.45	3.3
	2	7.02	6.97	7.07	0.46	



QC SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	PB166101BL	SDG No.:	Q1109
Lab Sample ID:	PB166101BL	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093701.D	1	01/17/25 08:17	01/20/25 12:22	PB166101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.025	U	0.0061	0.025	0.050	ug/L
319-85-7	beta-BHC	0.025	U	0.014	0.025	0.050	ug/L
319-86-8	delta-BHC	0.025	U	0.015	0.025	0.050	ug/L
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
309-00-2	Aldrin	0.025	U	0.0044	0.025	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0090	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.025	U	0.0050	0.025	0.050	ug/L
60-57-1	Dieldrin	0.025	U	0.0047	0.025	0.050	ug/L
72-55-9	4,4-DDE	0.025	U	0.0045	0.025	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0043	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0075	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.025	U	0.0092	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.025	U	0.0035	0.025	0.050	ug/L
50-29-3	4,4-DDT	0.025	U	0.0044	0.025	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0097	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.0099	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.025	U	0.0060	0.025	0.050	ug/L
5103-74-2	gamma-Chlordane	0.025	U	0.0060	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
2385-85-5	Mirex	0.025	U	0.0041	0.025	0.050	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.6		30 - 135		113%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.3		44 - 124		101%	SPK: 20

Report of Analysis

Client:	Weston Solutions		Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169		Date Received:	
Client Sample ID:	PB166101BL		SDG No.:	Q1109
Lab Sample ID:	PB166101BL		Matrix:	WATER
Analytical Method:	SW8081		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Decanted:	
Soil Aliquot Vol:		uL	Final Vol:	10000 uL
Extraction Type:			Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	Injection Volume :	
Prep Method :	3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093701.D	1	01/17/25 08:17	01/20/25 12:22	PB166101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012025\
Data File : PL093701.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Jan 2025 12:22
Operator : AR\AJ
Sample : PB166101BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166101BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 20 13:28:10 2025
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...	3.544	2.775	50220080	57566895	20.285	19.774
28)	SA Decachlor...	9.059	7.912	41881097	65029305	22.650	21.779

Target Compounds

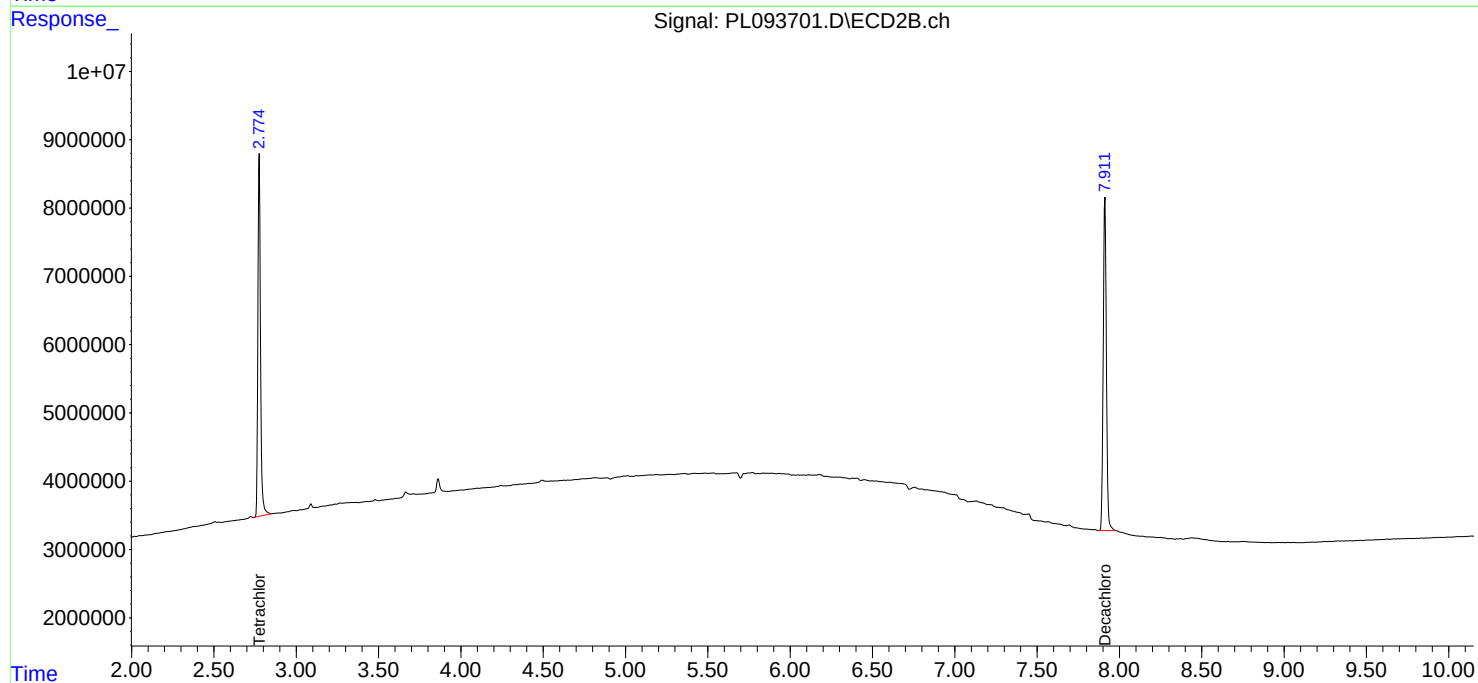
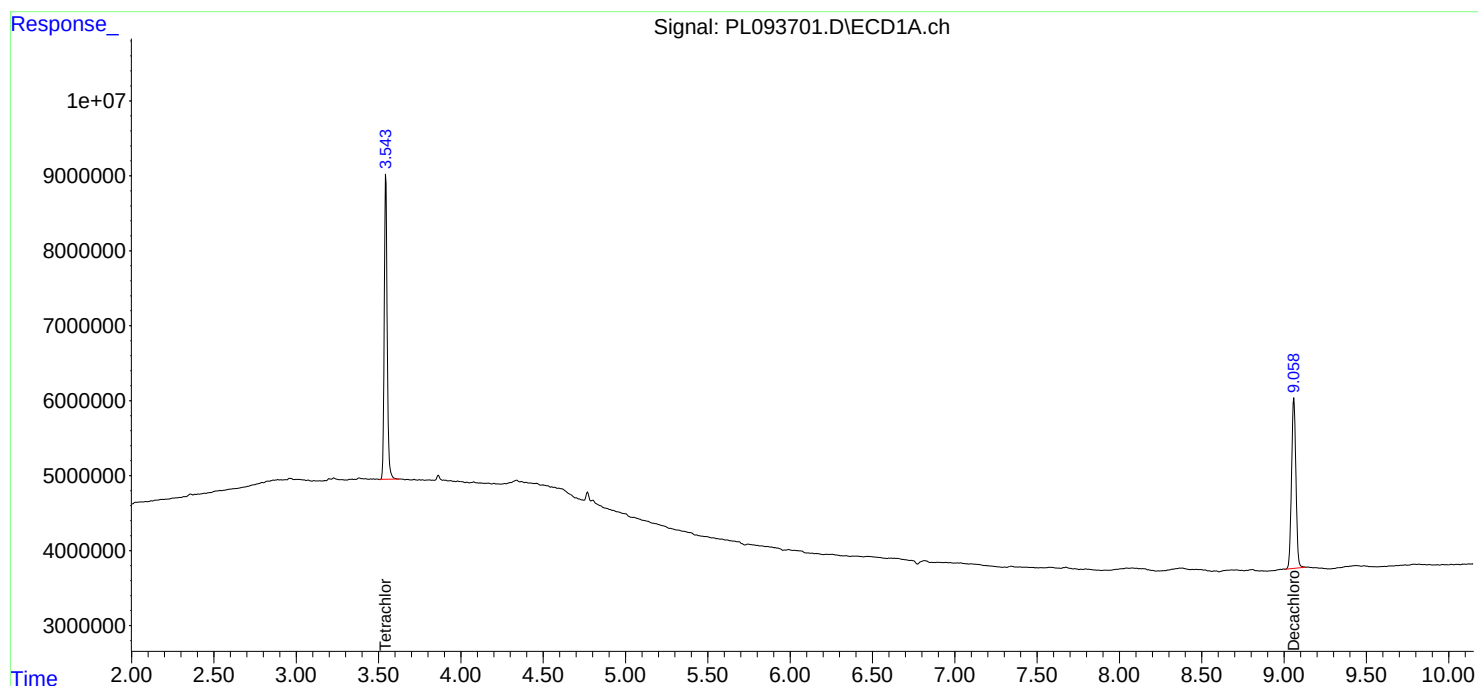
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

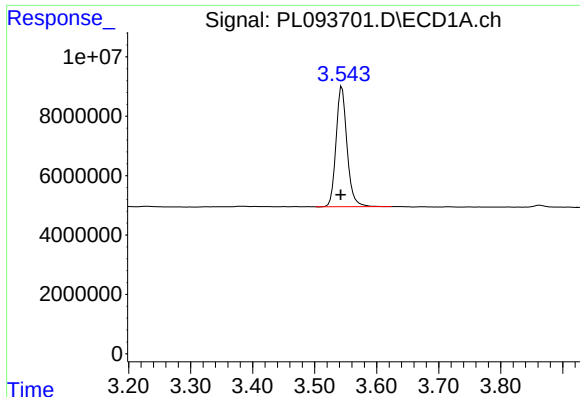
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012025\
Data File : PL093701.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Jan 2025 12:22
Operator : AR\AJ
Sample : PB166101BL
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166101BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 20 13:28:10 2025
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

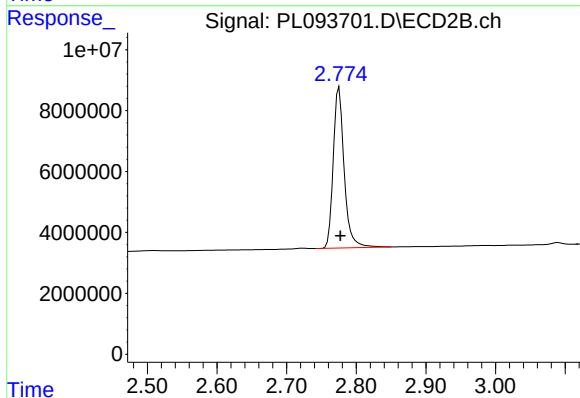




#1 Tetrachloro-m-xylene

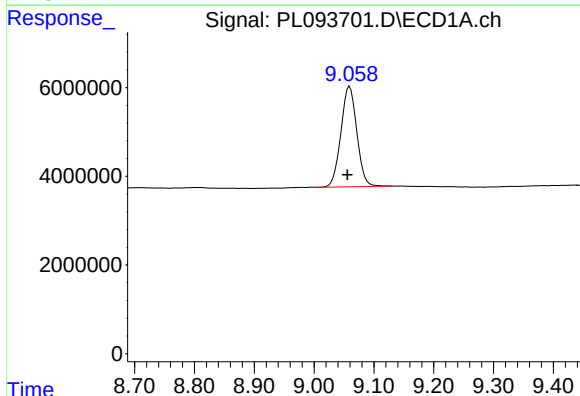
R.T.: 3.544 min
Delta R.T.: 0.002 min
Response: 50220080
Conc: 20.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BL



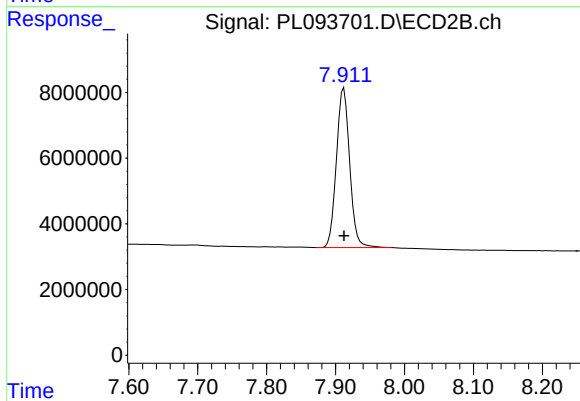
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: -0.002 min
Response: 57566895
Conc: 19.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: 0.004 min
Response: 41881097
Conc: 22.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 65029305
Conc: 21.78 ng/ml

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.:	Q1109	
Lab Sample ID:	I.BLK-PL093481.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

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							
319-84-6	alpha-BHC	0.025	U	0.0061	0.025	0.050	ug/L
319-85-7	beta-BHC	0.025	U	0.014	0.025	0.050	ug/L
319-86-8	delta-BHC	0.025	U	0.015	0.025	0.050	ug/L
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
309-00-2	Aldrin	0.025	U	0.0044	0.025	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0090	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.025	U	0.0050	0.025	0.050	ug/L
60-57-1	Dieldrin	0.025	U	0.0047	0.025	0.050	ug/L
72-55-9	4,4-DDE	0.025	U	0.0045	0.025	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0043	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0075	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.025	U	0.0092	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.025	U	0.0035	0.025	0.050	ug/L
50-29-3	4,4-DDT	0.025	U	0.0044	0.025	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0097	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.0099	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.025	U	0.0060	0.025	0.050	ug/L
5103-74-2	gamma-Chlordane	0.025	U	0.0060	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
2385-85-5	Mirex	0.025	U	0.0041	0.025	0.050	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

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.:	Q1109
Lab Sample ID:	I.BLK-PL093481.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :	1.0	Final Vol:	10000
Prep Method :	3510C	PH :	
		Test:	PESTICIDE Group1
		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

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

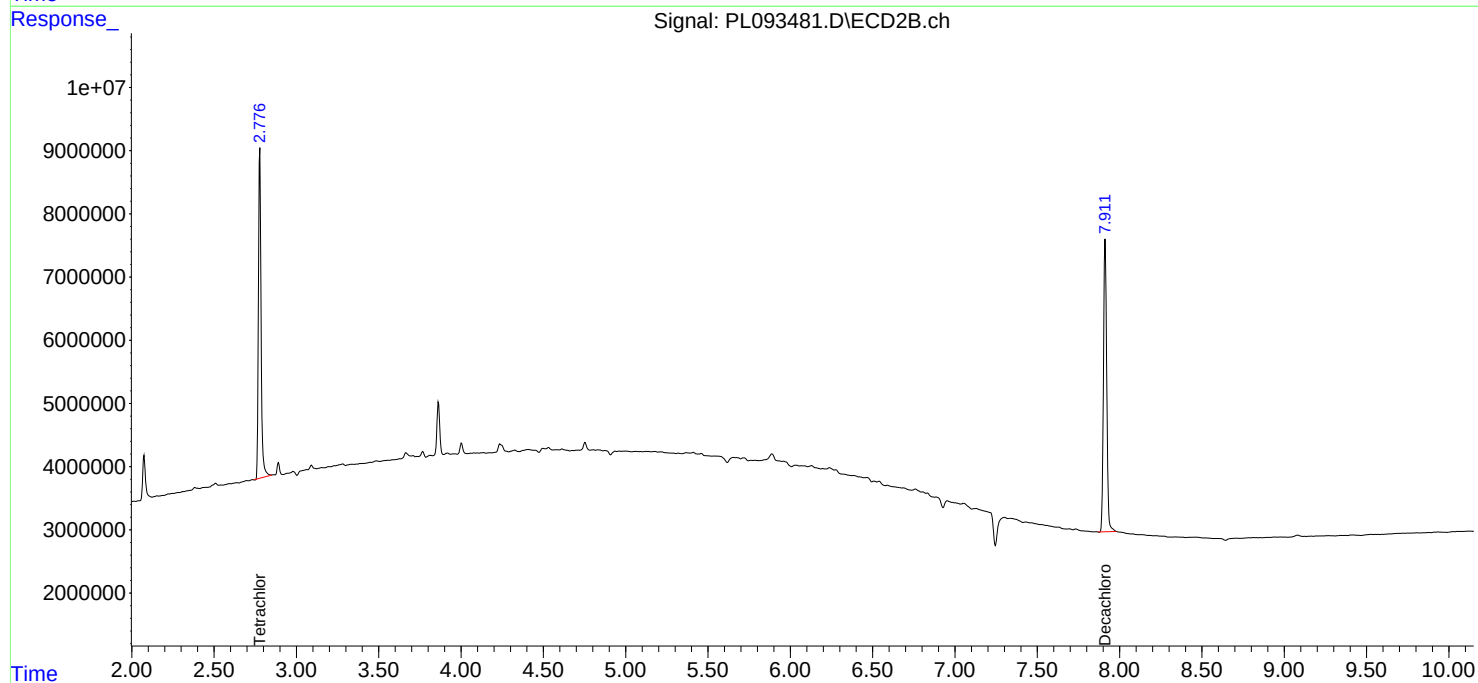
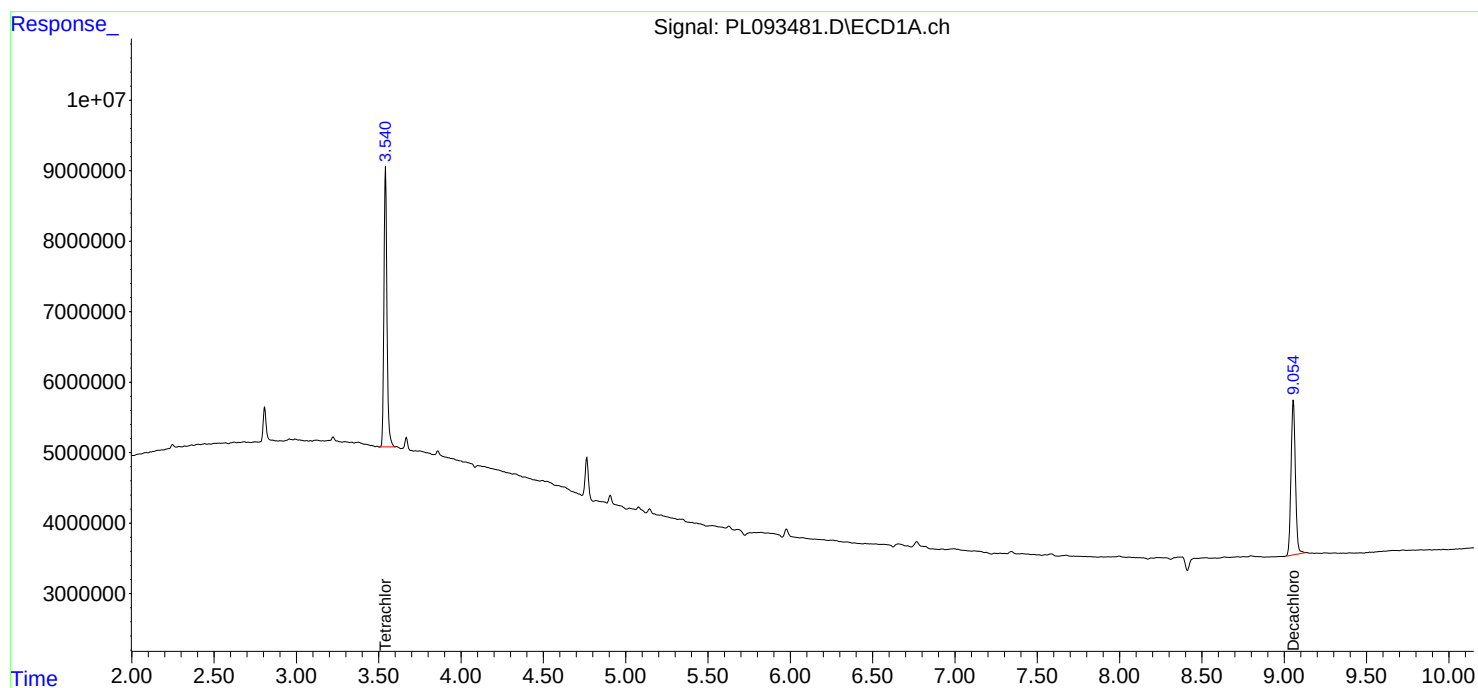
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

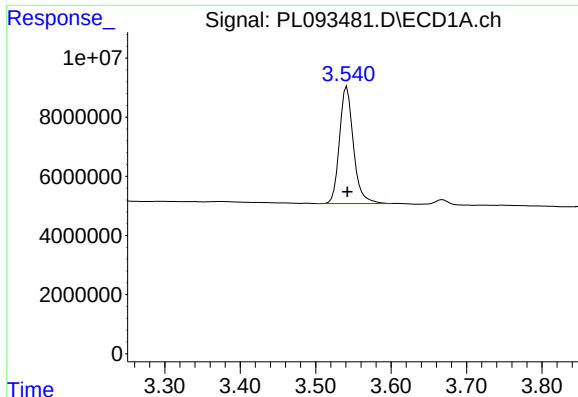
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
Data File : PL093481.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Dec 2024 12:34
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

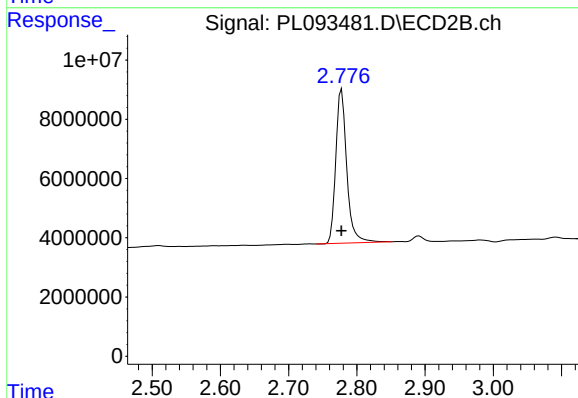




#1 Tetrachloro-m-xylene

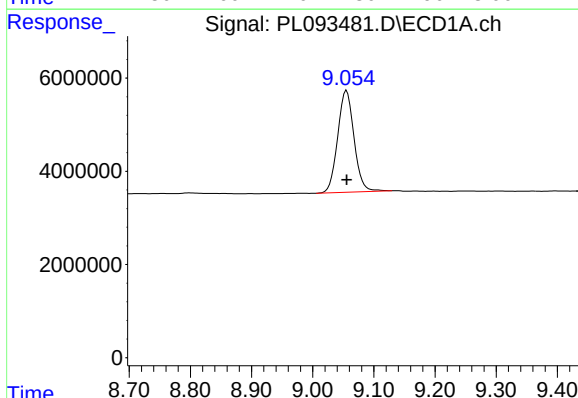
R.T.: 3.542 min
Delta R.T.: 0.000 min
Response: 50651566
Conc: 20.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



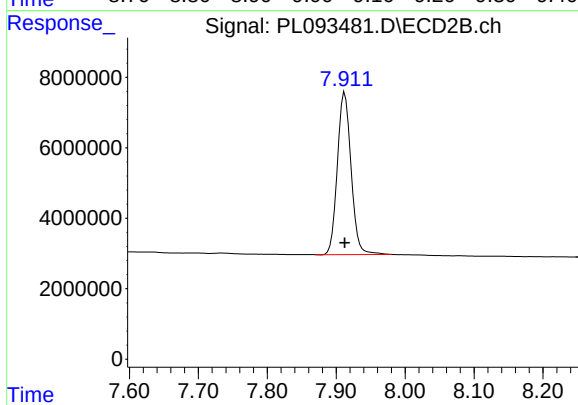
#1 Tetrachloro-m-xylene

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:	01/20/25	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169		Date Received:	01/20/25	
Client Sample ID:	PIBLK-PL093694.D		SDG No.:	Q1109	
Lab Sample ID:	I.BLK-PL093694.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093694.D	1		01/20/25	PL012025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.025	U	0.0061	0.025	0.050	ug/L
319-85-7	beta-BHC	0.025	U	0.014	0.025	0.050	ug/L
319-86-8	delta-BHC	0.025	U	0.015	0.025	0.050	ug/L
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
309-00-2	Aldrin	0.025	U	0.0044	0.025	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0090	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.025	U	0.0050	0.025	0.050	ug/L
60-57-1	Dieldrin	0.025	U	0.0047	0.025	0.050	ug/L
72-55-9	4,4-DDE	0.025	U	0.0045	0.025	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0043	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0075	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.025	U	0.0092	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.025	U	0.0035	0.025	0.050	ug/L
50-29-3	4,4-DDT	0.025	U	0.0044	0.025	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0097	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.0099	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.025	U	0.0060	0.025	0.050	ug/L
5103-74-2	gamma-Chlordane	0.025	U	0.0060	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
2385-85-5	Mirex	0.025	U	0.0041	0.025	0.050	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.9		30 - 135		110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.7		44 - 124		109%	SPK: 20

Report of Analysis

Client:	Weston Solutions		Date Collected:	01/20/25	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169		Date Received:	01/20/25	
Client Sample ID:	PIBLK-PL093694.D		SDG No.:	Q1109	
Lab Sample ID:	I.BLK-PL093694.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093694.D	1		01/20/25	PL012025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012025\
Data File : PL093694.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Jan 2025 08:51
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 20 12:13:19 2025
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	2.776	53817423	62473990	21.738	21.460
28) SA Decachlor...	9.058	7.913	40569362	57998608	21.941	19.424

Target Compounds

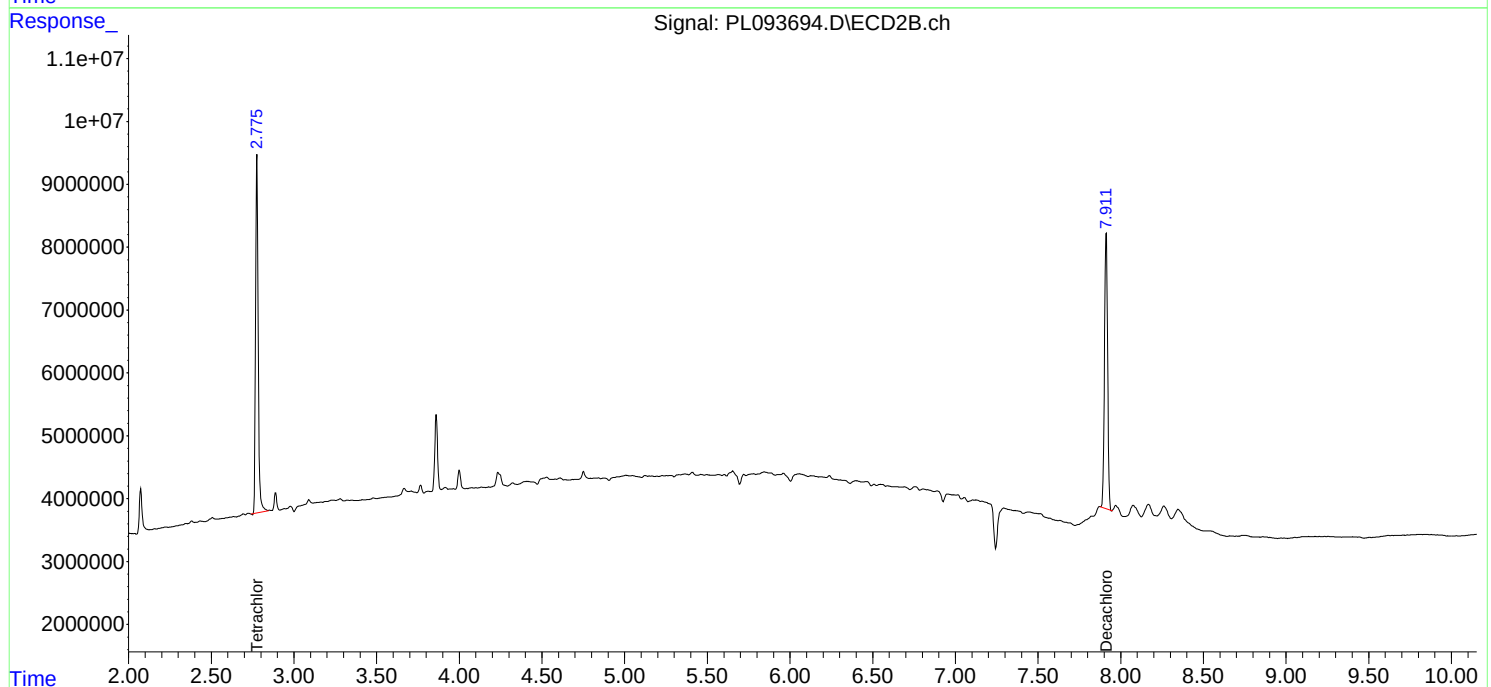
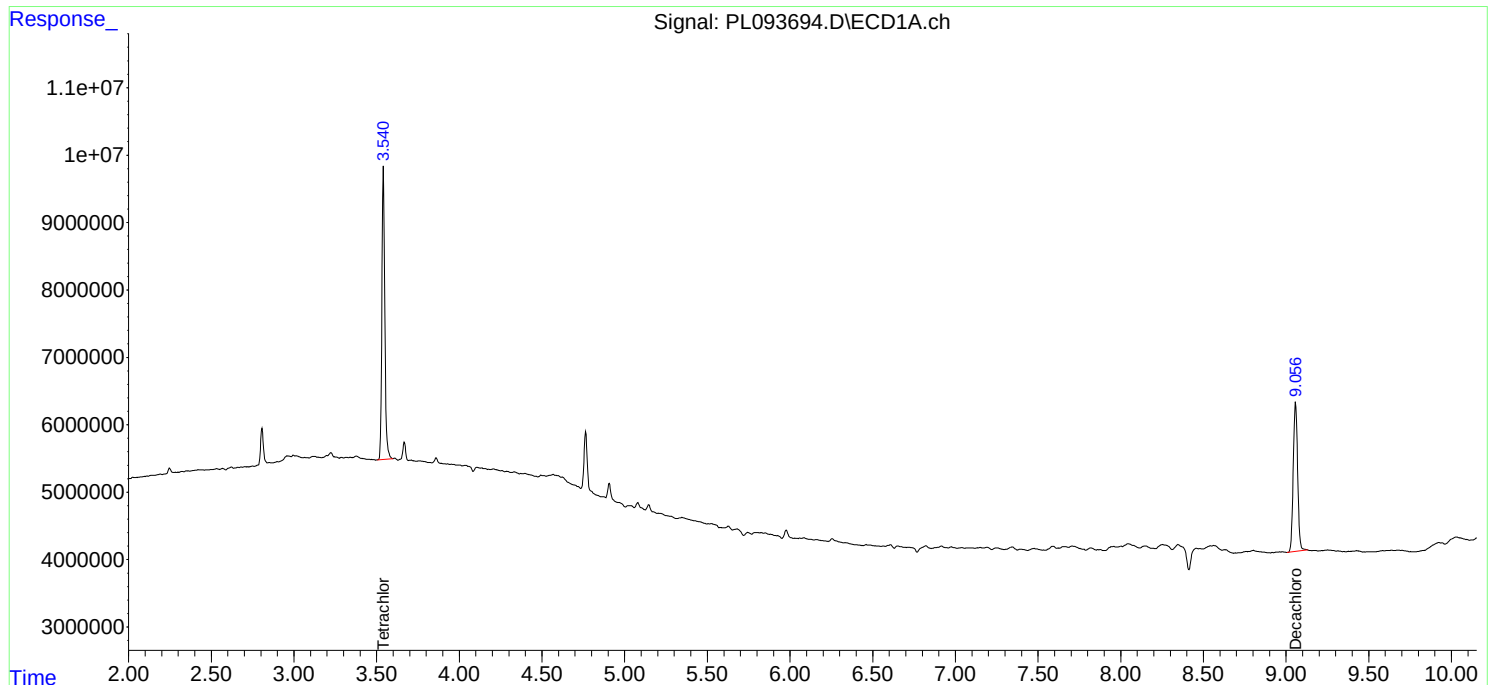
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

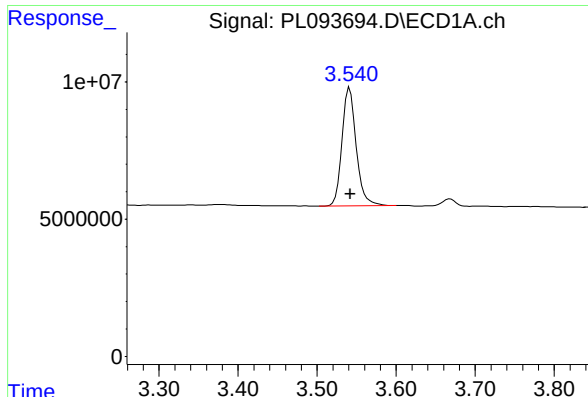
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012025\
Data File : PL093694.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Jan 2025 08:51
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 20 12:13:19 2025
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

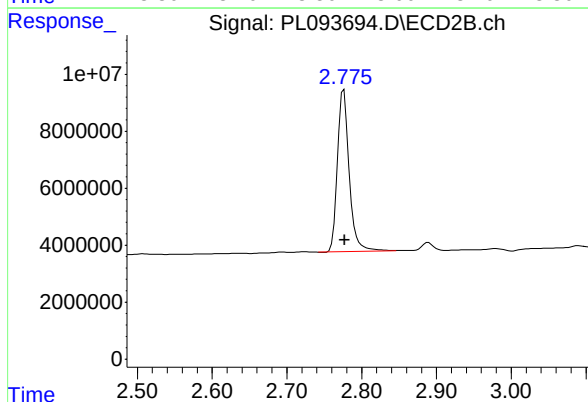




#1 Tetrachloro-m-xylene

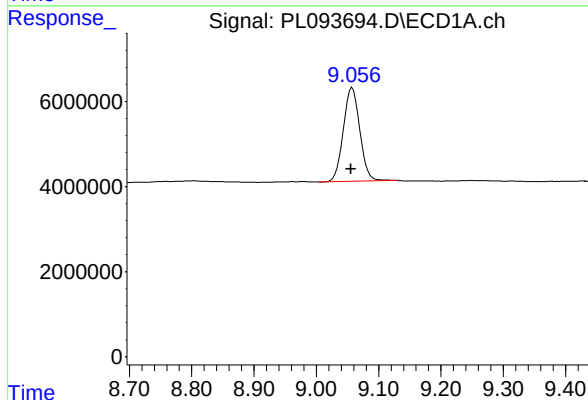
R.T.: 3.541 min
Delta R.T.: 0.000 min
Response: 53817423
Conc: 21.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



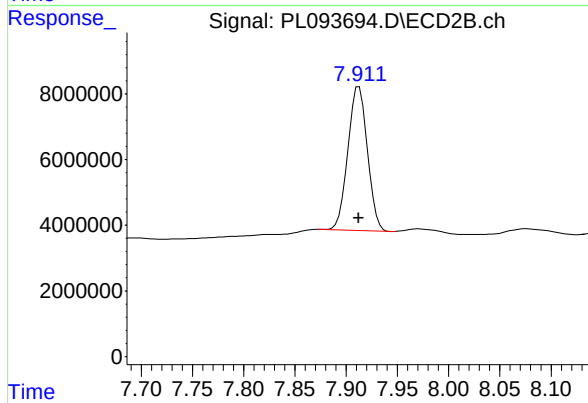
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.001 min
Response: 62473990
Conc: 21.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: 0.002 min
Response: 40569362
Conc: 21.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: 0.000 min
Response: 57998608
Conc: 19.42 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	01/20/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/20/25
Client Sample ID:	PIBLK-PL093706.D	SDG No.:	Q1109
Lab Sample ID:	I.BLK-PL093706.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093706.D	1		01/20/25	PL012025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.025	U	0.0061	0.025	0.050	ug/L
319-85-7	beta-BHC	0.025	U	0.014	0.025	0.050	ug/L
319-86-8	delta-BHC	0.025	U	0.015	0.025	0.050	ug/L
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
309-00-2	Aldrin	0.025	U	0.0044	0.025	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0090	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.025	U	0.0050	0.025	0.050	ug/L
60-57-1	Dieldrin	0.025	U	0.0047	0.025	0.050	ug/L
72-55-9	4,4-DDE	0.025	U	0.0045	0.025	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0043	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0075	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.025	U	0.0092	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.025	U	0.0035	0.025	0.050	ug/L
50-29-3	4,4-DDT	0.025	U	0.0044	0.025	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0097	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.0099	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.025	U	0.0060	0.025	0.050	ug/L
5103-74-2	gamma-Chlordane	0.025	U	0.0060	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
2385-85-5	Mirex	0.025	U	0.0041	0.025	0.050	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.3		30 - 135		117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		44 - 124		108%	SPK: 20

Report of Analysis

Client:	Weston Solutions		Date Collected:	01/20/25	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169		Date Received:	01/20/25	
Client Sample ID:	PIBLK-PL093706.D		SDG No.:	Q1109	
Lab Sample ID:	I.BLK-PL093706.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093706.D	1		01/20/25	PL012025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012025\
Data File : PL093706.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Jan 2025 13:50
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: Jan 20 18:17:04 2025
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...	3.566	2.776	53569585	61285080	21.638	21.052
28) SA Decachlor...	9.081	7.912	43129881	68661457	23.326	22.995

Target Compounds

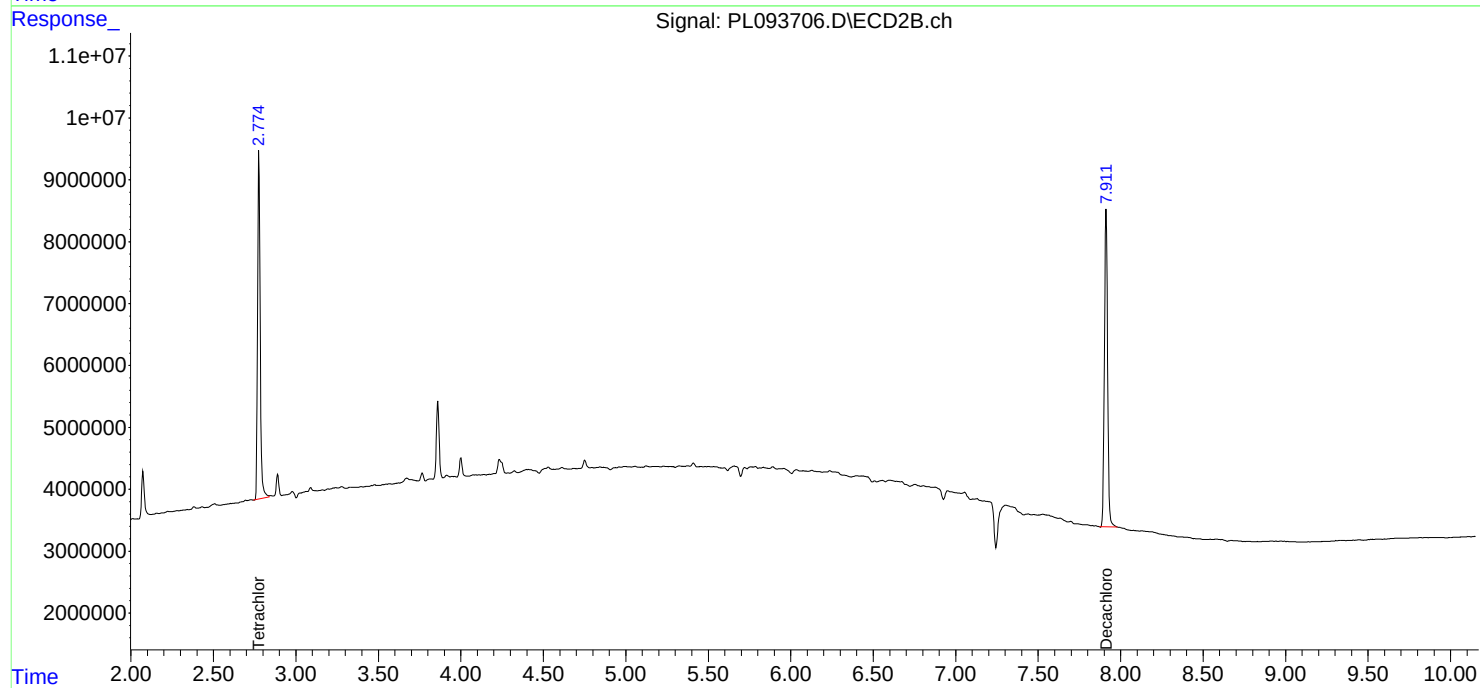
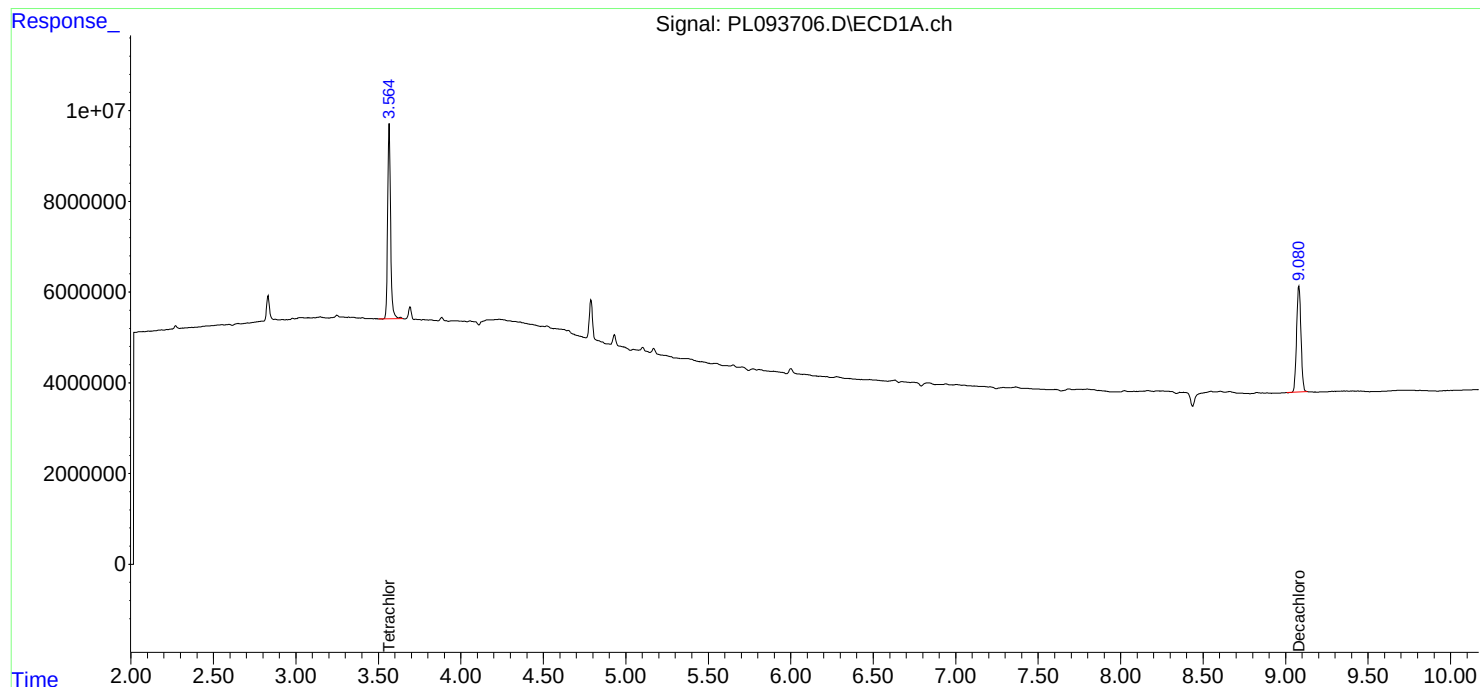
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

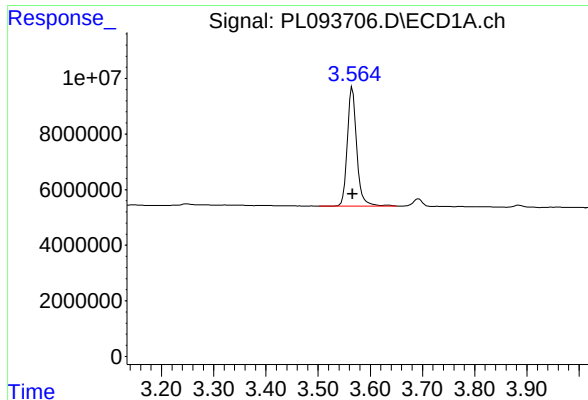
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012025\
Data File : PL093706.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Jan 2025 13:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 20 18:17:04 2025
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

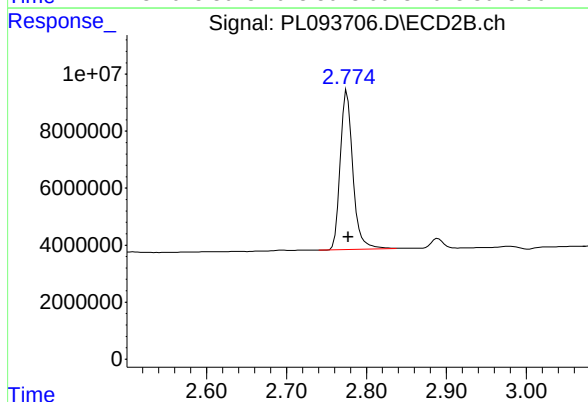




#1 Tetrachloro-m-xylene

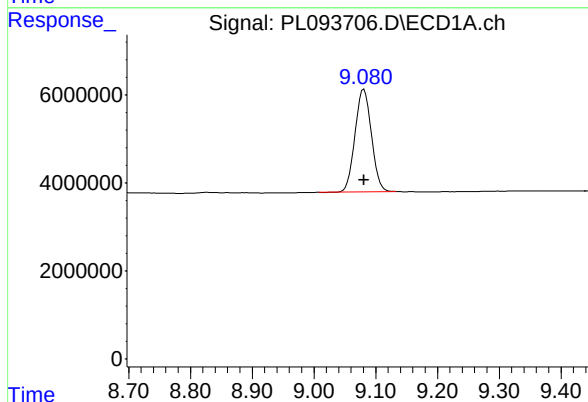
R.T.: 3.566 min
Delta R.T.: 0.000 min
Response: 53569585
Conc: 21.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



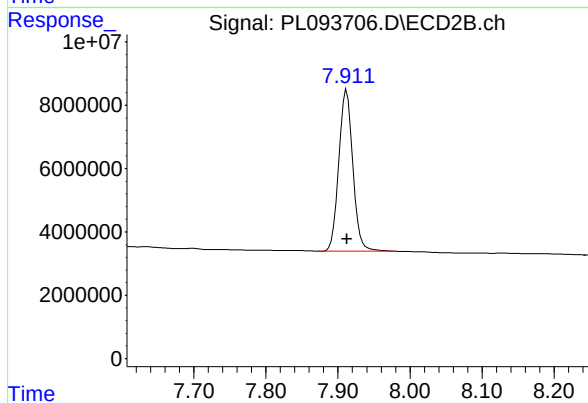
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.001 min
Response: 61285080
Conc: 21.05 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.081 min
Delta R.T.: 0.000 min
Response: 43129881
Conc: 23.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 68661457
Conc: 23.00 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	PB166101BS	SDG No.:	Q1109
Lab Sample ID:	PB166101BS	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093702.D	1	01/17/25 08:17	01/20/25 12:35	PB166101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.49		0.0061	0.025	0.050	ug/L
319-85-7	beta-BHC	0.50		0.014	0.025	0.050	ug/L
319-86-8	delta-BHC	0.48		0.015	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.48		0.0049	0.025	0.050	ug/L
76-44-8	Heptachlor	0.49		0.0054	0.025	0.050	ug/L
309-00-2	Aldrin	0.47		0.0044	0.025	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.48		0.0090	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.51		0.0050	0.025	0.050	ug/L
60-57-1	Dieldrin	0.50		0.0047	0.025	0.050	ug/L
72-55-9	4,4-DDE	0.51		0.0045	0.025	0.050	ug/L
72-20-8	Endrin	0.50		0.0043	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.53		0.0075	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.55		0.0092	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.51		0.0035	0.025	0.050	ug/L
50-29-3	4,4-DDT	0.51		0.0044	0.025	0.050	ug/L
72-43-5	Methoxychlor	0.48		0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.52		0.0097	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.50		0.0099	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.50		0.0060	0.025	0.050	ug/L
5103-74-2	gamma-Chlordane	0.51		0.0060	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
2385-85-5	Mirex	0.46		0.0041	0.025	0.050	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.4		30 - 135		102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		44 - 124		92%	SPK: 20

Report of Analysis

Client:	Weston Solutions		Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169		Date Received:	
Client Sample ID:	PB166101BS		SDG No.:	Q1109
Lab Sample ID:	PB166101BS		Matrix:	WATER
Analytical Method:	SW8081		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Decanted:	
Soil Aliquot Vol:		uL	Final Vol:	10000 uL
Extraction Type:			Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	Injection Volume :	
Prep Method :	3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093702.D	1	01/17/25 08:17	01/20/25 12:35	PB166101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012025\
 Data File : PL093702.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Jan 2025 12:35
 Operator : AR\AJ
 Sample : PB166101BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB166101BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jan 20 13:28:33 2025
 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	45659025	52096414	18.443	17.895
28) SA Decachlor...	9.055	7.910	37729400	58906247	20.405	19.728
Target Compounds						
2) A alpha-BHC	3.994	3.277	160.9E6	211.5E6	46.593	48.667
3) MA gamma-BHC...	4.327	3.607	152.4E6	202.1E6	46.476	47.892
4) MA Heptachlor	4.915	3.945	141.2E6	204.1E6	48.218	49.113
5) MB Aldrin	5.256	4.225	134.4E6	194.7E6	46.198	47.451
6) B beta-BHC	4.525	3.907	69603796	89585123	48.283	49.839
7) B delta-BHC	4.772	4.135	145.0E6	201.3E6	47.335	47.593
8) B Heptachlo...	5.683	4.727	123.4E6	184.8E6	46.850	48.260
9) A Endosulfan I	6.068	5.097	112.7E6	176.6E6	47.787	50.558
10) B gamma-Chl...	5.939	4.977	120.7E6	194.6E6	48.048	50.496
11) B alpha-Chl...	6.018	5.041	120.9E6	191.0E6	48.300	50.163
12) B 4,4'-DDE	6.191	5.230	111.3E6	186.9E6	49.616	50.815
13) MA Dieldrin	6.343	5.361	118.8E6	193.5E6	47.602	50.221
14) MA Endrin	6.573	5.637	98819142	165.6E6	45.910	50.065
15) B Endosulfa...	6.793	5.932	103.9E6	171.1E6	45.695	52.654
16) A 4,4'-DDD	6.709	5.785	90684502	154.7E6	51.644	54.676
17) MA 4,4'-DDT	7.023	6.035	92051705	153.4E6	49.797	50.773
18) B Endrin al...	6.923	6.111	83191441	134.6E6	46.881	49.970
19) B Endosulfa...	7.158	6.334	97473401	162.3E6	48.277	51.467
20) A Methoxychlor	7.500	6.610	48462081	77919647	48.478	48.408
21) B Endrin ke...	7.643	6.839	109.3E6	190.3E6	48.714	52.285
22) Mirex	8.115	7.019	83022085	140.7E6	44.427	46.049

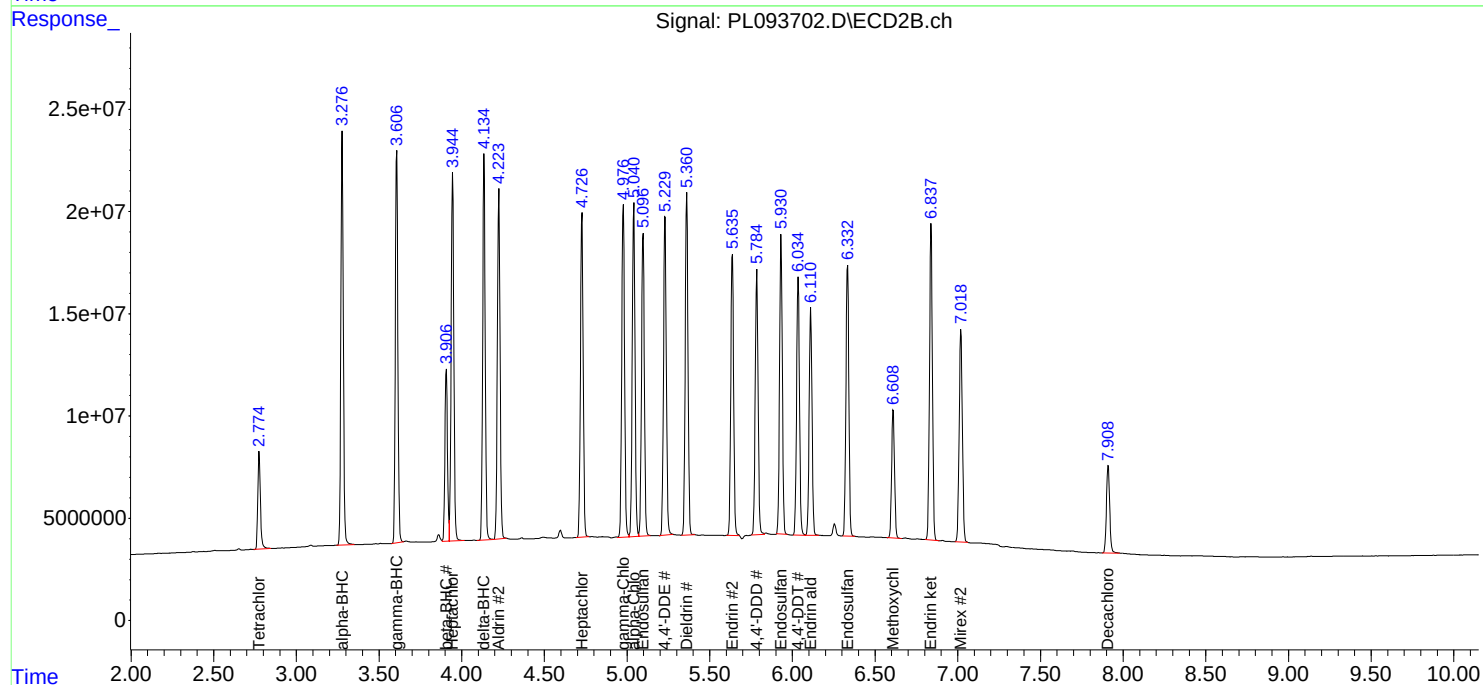
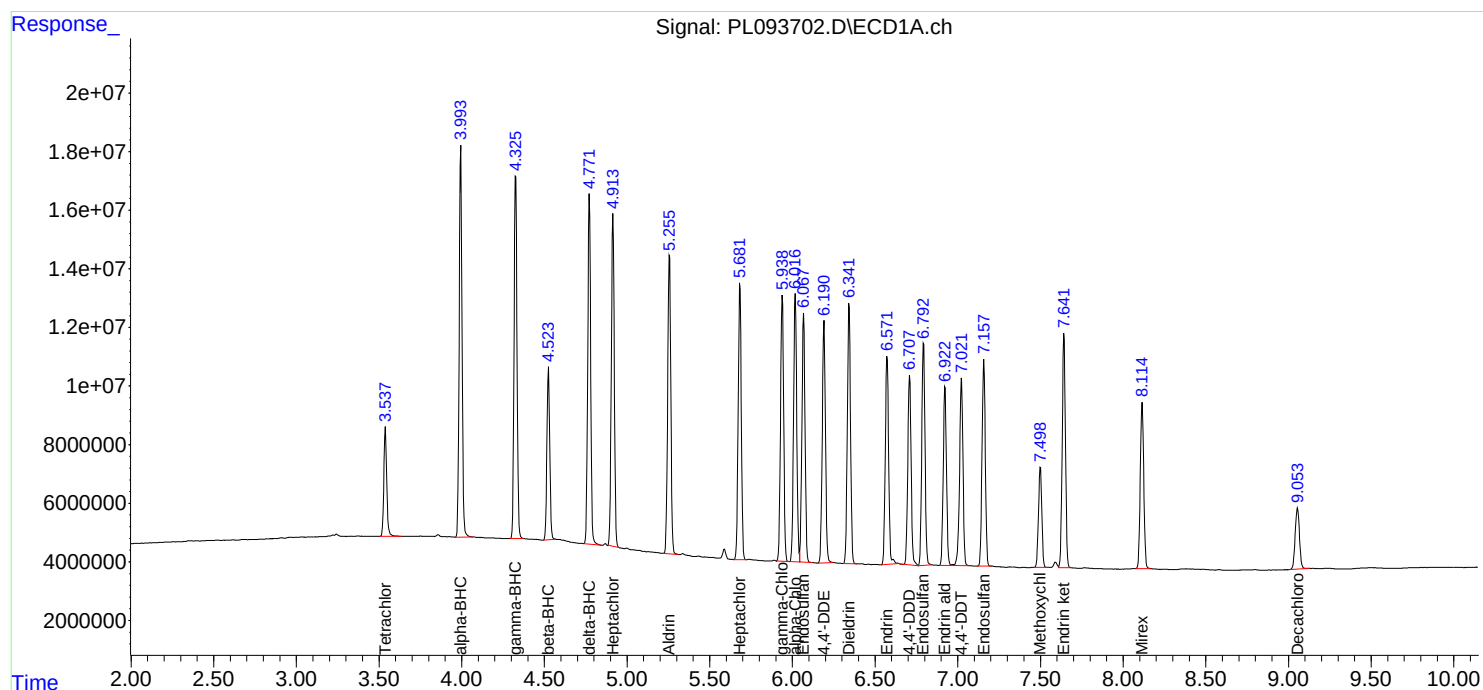
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

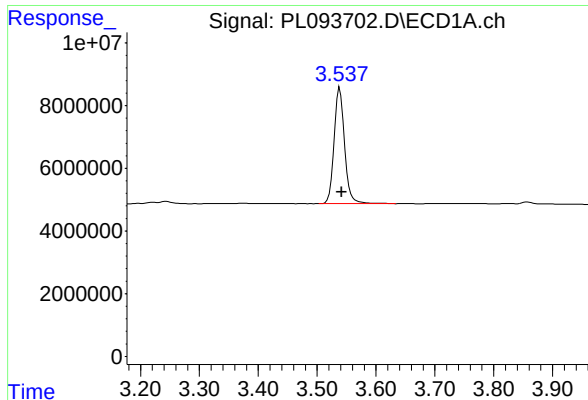
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012025\
Data File : PL093702.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Jan 2025 12:35
Operator : AR\AJ
Sample : PB166101BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166101BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 20 13:28:33 2025
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

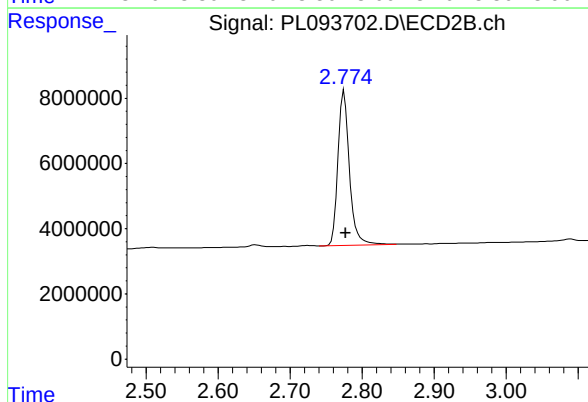




#1 Tetrachloro-m-xylene

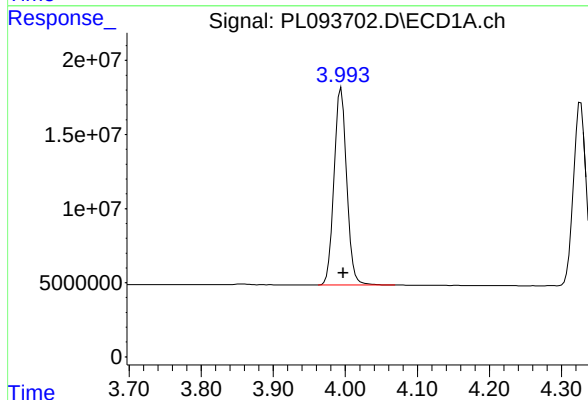
R.T.: 3.539 min
Delta R.T.: -0.003 min
Response: 45659025
Conc: 18.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BS



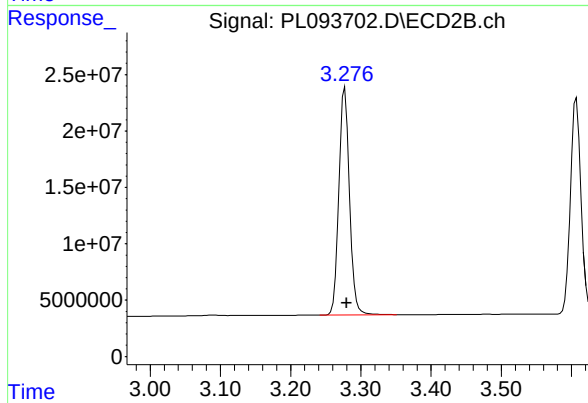
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: -0.002 min
Response: 52096414
Conc: 17.90 ng/ml



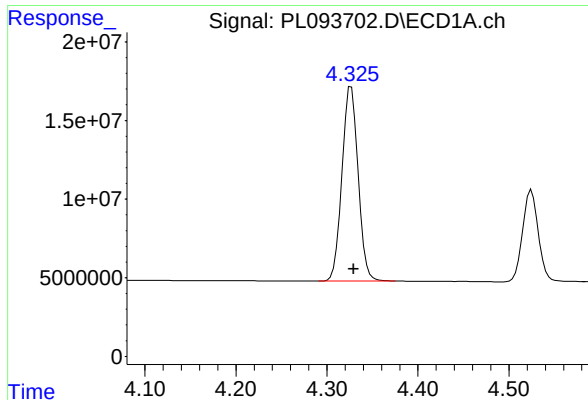
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: -0.003 min
Response: 160858274
Conc: 46.59 ng/ml



#2 alpha-BHC

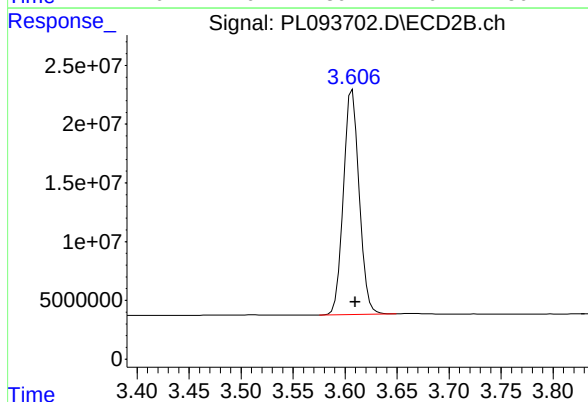
R.T.: 3.277 min
Delta R.T.: -0.003 min
Response: 211545764
Conc: 48.67 ng/ml



#3 gamma-BHC (Lindane)

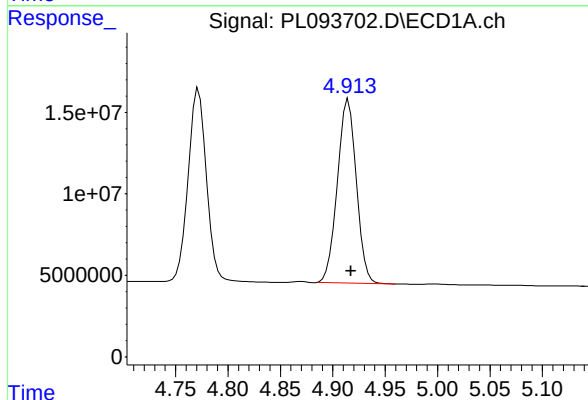
R.T.: 4.327 min
Delta R.T.: -0.003 min
Response: 152413816
Conc: 46.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BS



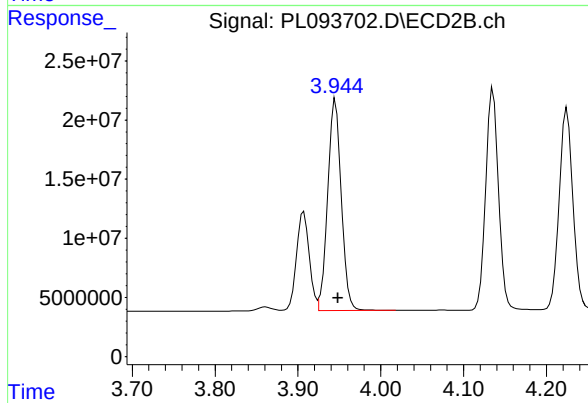
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: -0.003 min
Response: 202072264
Conc: 47.89 ng/ml



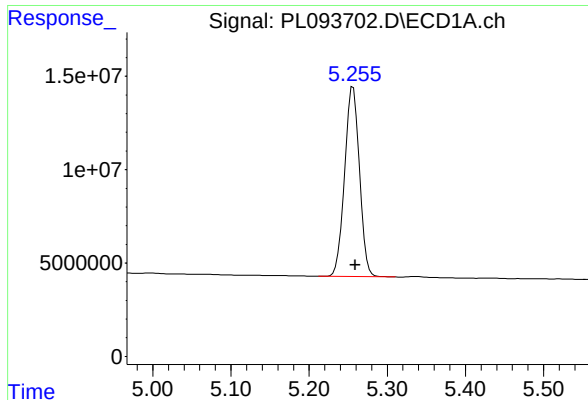
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: -0.003 min
Response: 141198444
Conc: 48.22 ng/ml



#4 Heptachlor

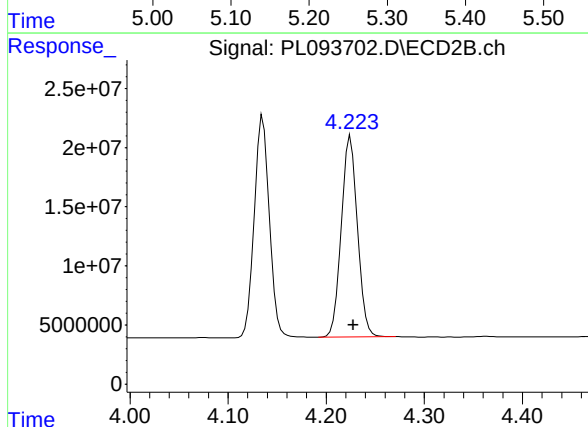
R.T.: 3.945 min
Delta R.T.: -0.003 min
Response: 204109850
Conc: 49.11 ng/ml



#5 Aldrin

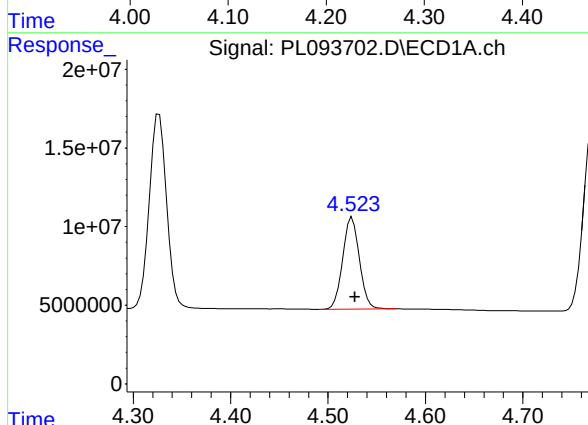
R.T.: 5.256 min
Delta R.T.: -0.003 min
Response: 134384220
Conc: 46.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BS



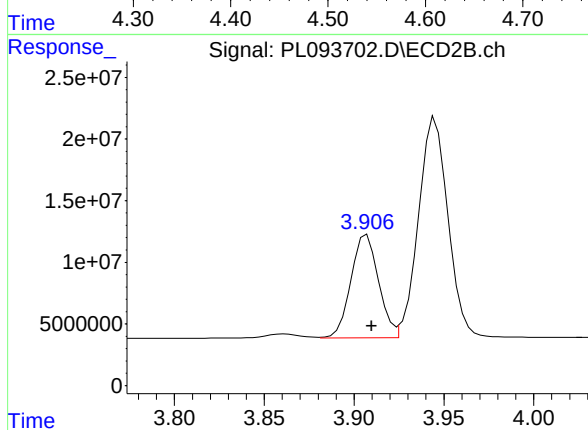
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: -0.003 min
Response: 194656934
Conc: 47.45 ng/ml



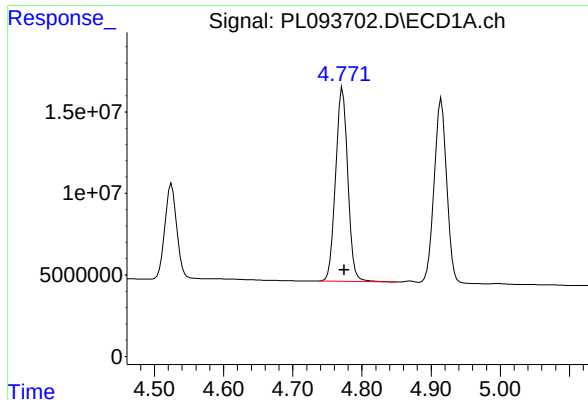
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: -0.003 min
Response: 69603796
Conc: 48.28 ng/ml



#6 beta-BHC

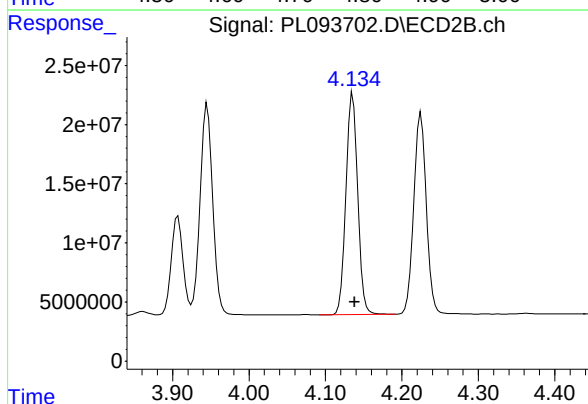
R.T.: 3.907 min
Delta R.T.: -0.002 min
Response: 89585123
Conc: 49.84 ng/ml



#7 delta-BHC

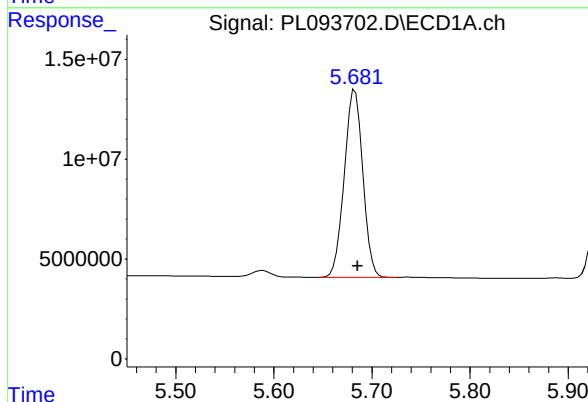
R.T.: 4.772 min
Delta R.T.: -0.003 min
Response: 144966540
Conc: 47.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BS



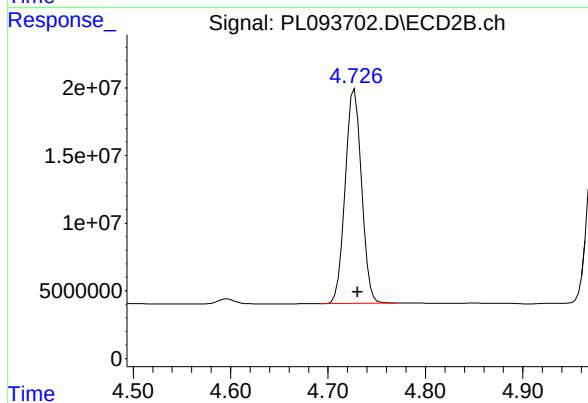
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: -0.003 min
Response: 201262829
Conc: 47.59 ng/ml



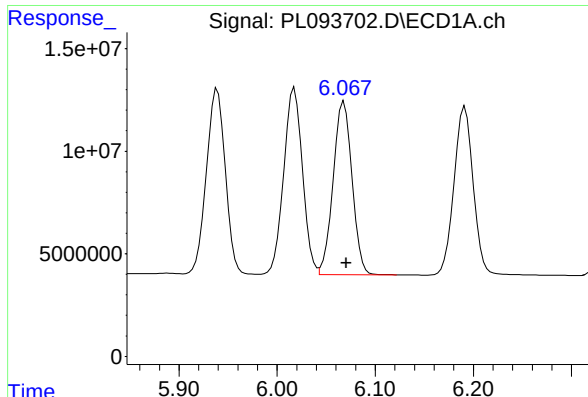
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: -0.003 min
Response: 123418877
Conc: 46.85 ng/ml



#8 Heptachlor epoxide

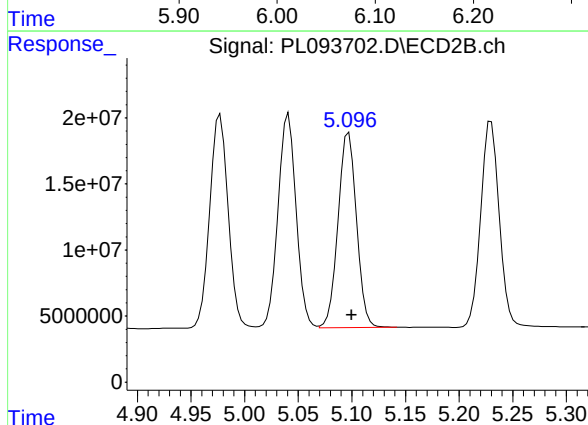
R.T.: 4.727 min
Delta R.T.: -0.003 min
Response: 184775092
Conc: 48.26 ng/ml



#9 Endosulfan I

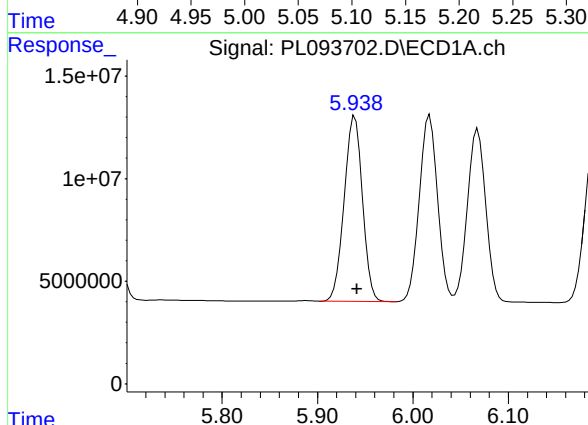
R.T.: 6.068 min
Delta R.T.: -0.003 min
Response: 112742686
Conc: 47.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BS



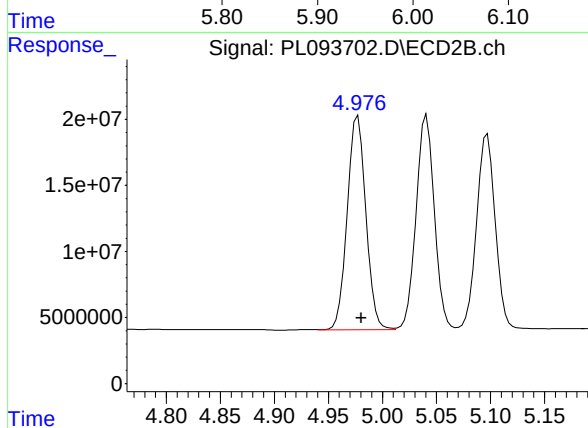
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: -0.003 min
Response: 176647730
Conc: 50.56 ng/ml



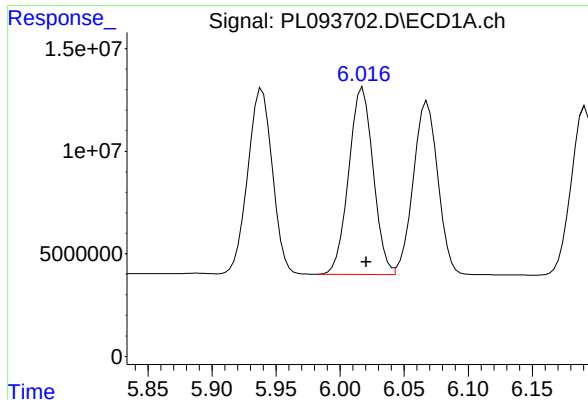
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: -0.002 min
Response: 120747898
Conc: 48.05 ng/ml



#10 gamma-Chlordane

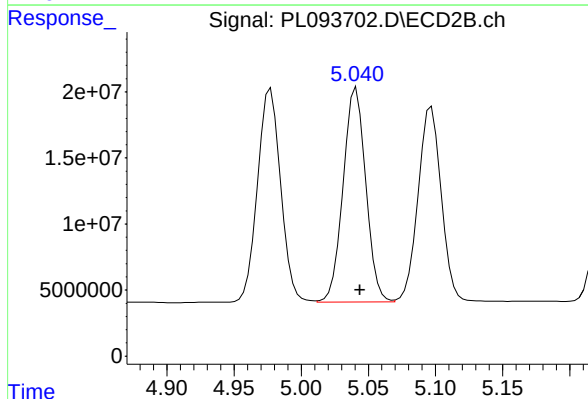
R.T.: 4.977 min
Delta R.T.: -0.003 min
Response: 194561180
Conc: 50.50 ng/ml



#11 alpha-Chlordane

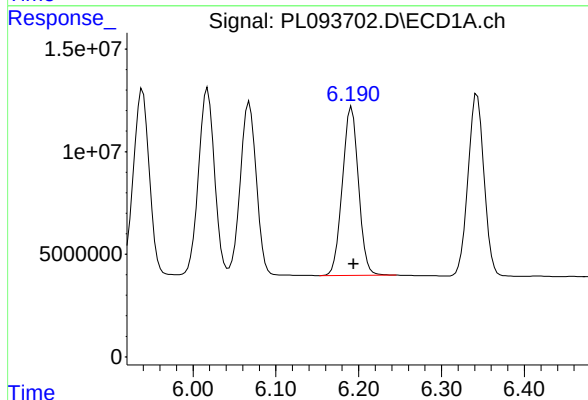
R.T.: 6.018 min
Delta R.T.: -0.003 min
Response: 120891033
Conc: 48.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BS



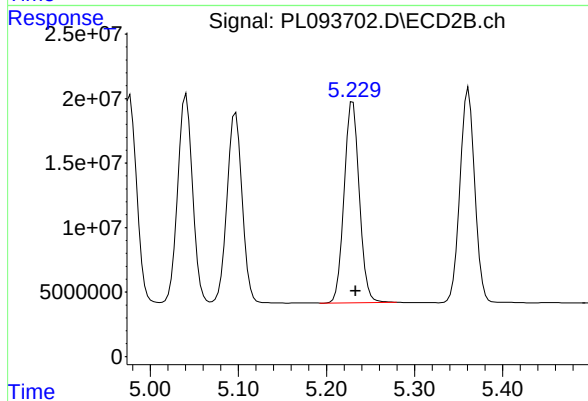
#11 alpha-Chlordane

R.T.: 5.041 min
Delta R.T.: -0.003 min
Response: 190991129
Conc: 50.16 ng/ml



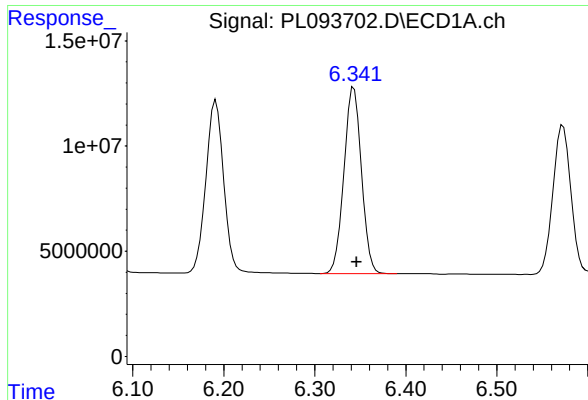
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.003 min
Response: 111330083
Conc: 49.62 ng/ml



#12 4,4'-DDE

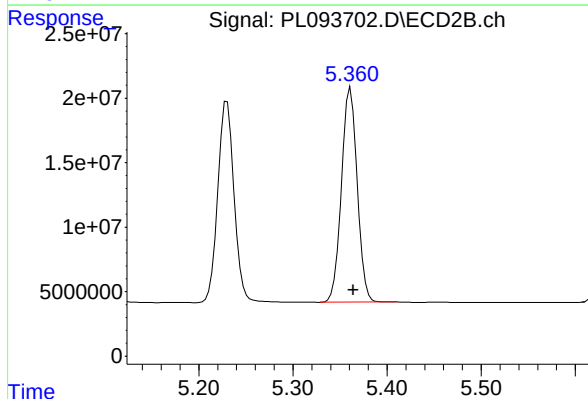
R.T.: 5.230 min
Delta R.T.: -0.003 min
Response: 186859432
Conc: 50.82 ng/ml



#13 Dieldrin

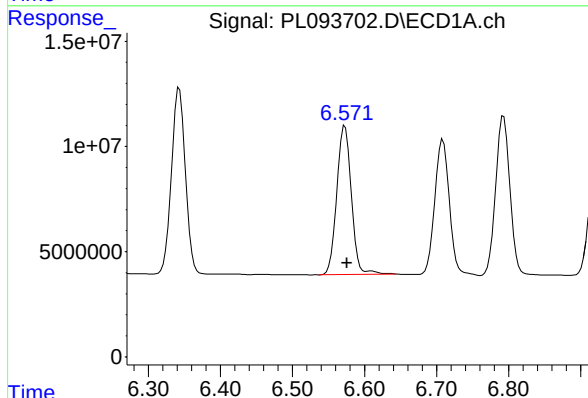
R.T.: 6.343 min
Delta R.T.: -0.003 min
Response: 118770773
Conc: 47.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BS



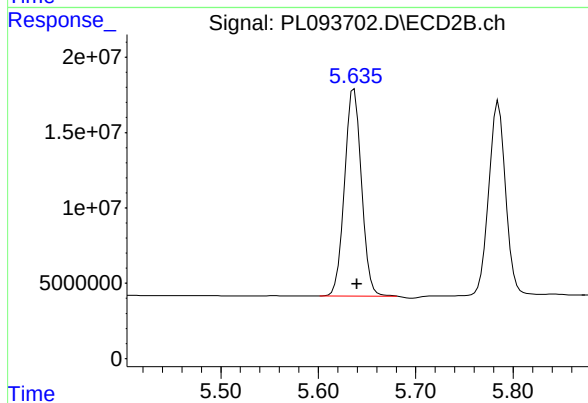
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: -0.003 min
Response: 193543883
Conc: 50.22 ng/ml



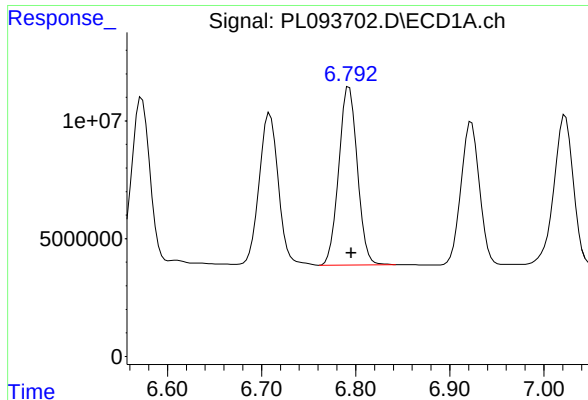
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.003 min
Response: 98819142
Conc: 45.91 ng/ml



#14 Endrin

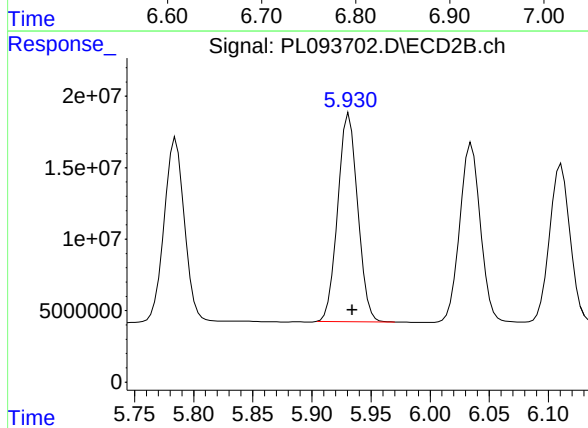
R.T.: 5.637 min
Delta R.T.: -0.003 min
Response: 165631540
Conc: 50.06 ng/ml



#15 Endosulfan II

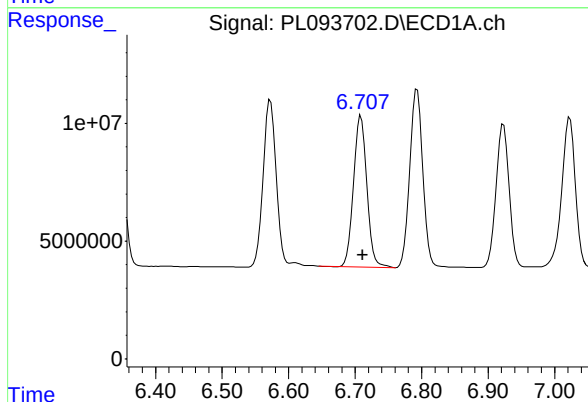
R.T.: 6.793 min
Delta R.T.: -0.002 min
Response: 103877354
Conc: 45.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BS



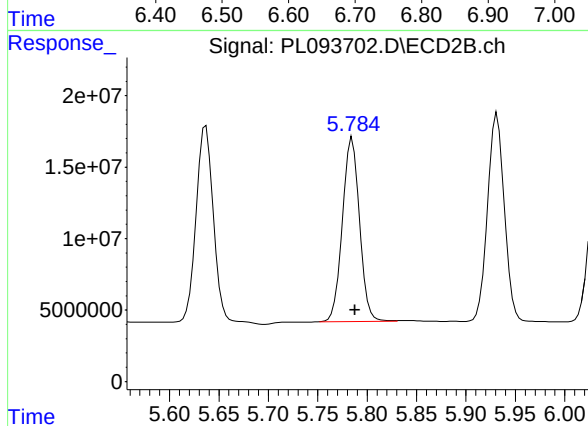
#15 Endosulfan II

R.T.: 5.932 min
Delta R.T.: -0.003 min
Response: 171068516
Conc: 52.65 ng/ml



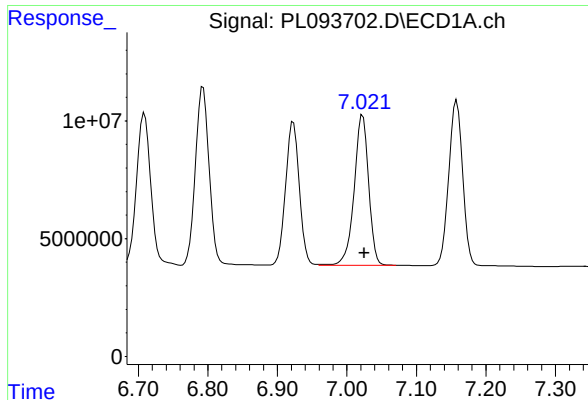
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: -0.002 min
Response: 90684502
Conc: 51.64 ng/ml



#16 4,4'-DDD

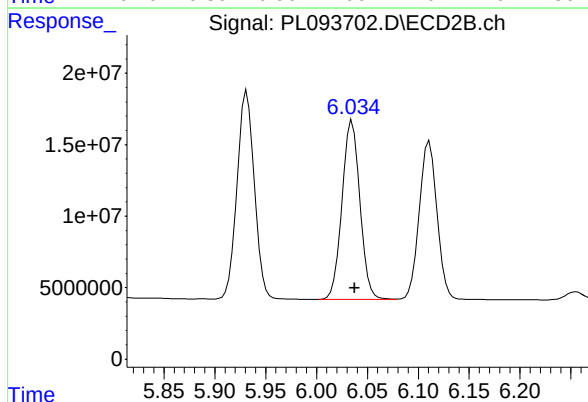
R.T.: 5.785 min
Delta R.T.: -0.003 min
Response: 154740321
Conc: 54.68 ng/ml



#17 4,4'-DDT

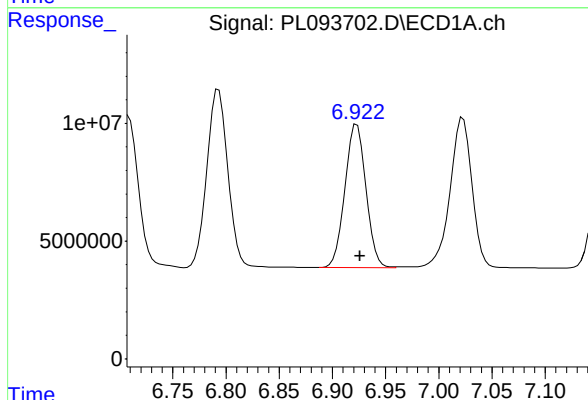
R.T.: 7.023 min
Delta R.T.: -0.002 min
Response: 92051705
Conc: 49.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BS



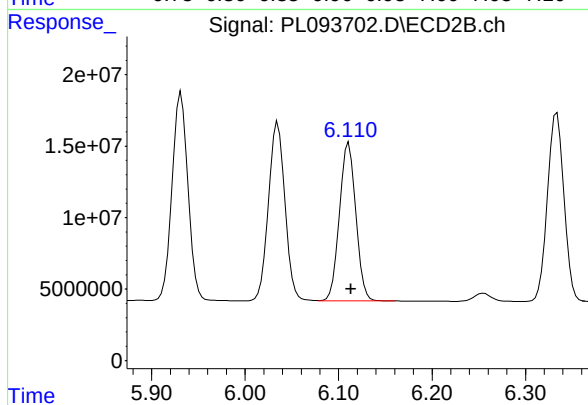
#17 4,4'-DDT

R.T.: 6.035 min
Delta R.T.: -0.002 min
Response: 153350016
Conc: 50.77 ng/ml



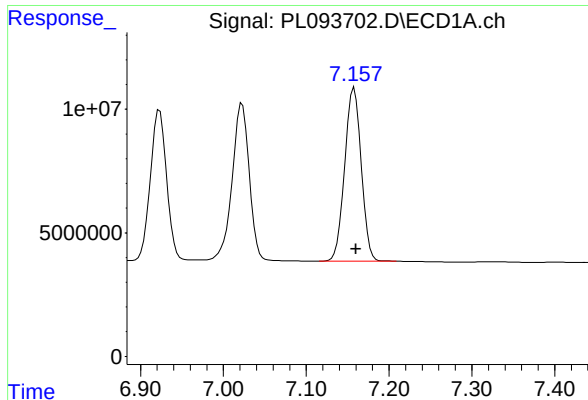
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: -0.003 min
Response: 83191441
Conc: 46.88 ng/ml



#18 Endrin aldehyde

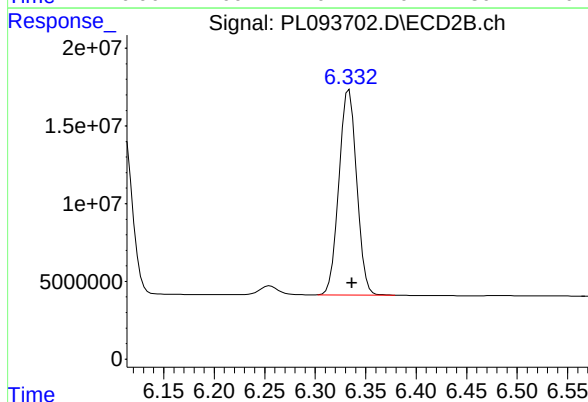
R.T.: 6.111 min
Delta R.T.: -0.002 min
Response: 134573083
Conc: 49.97 ng/ml



#19 Endosulfan Sulfate

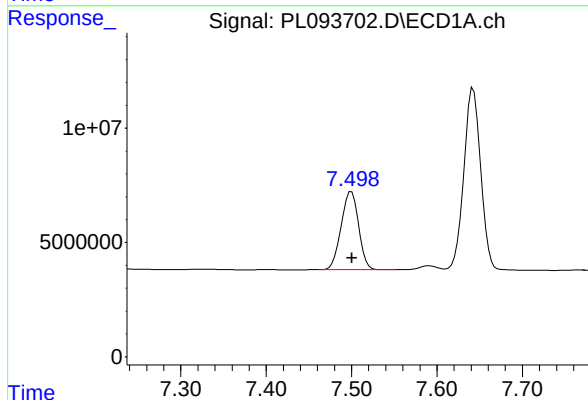
R.T.: 7.158 min
Delta R.T.: -0.002 min
Response: 97473401
Conc: 48.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BS



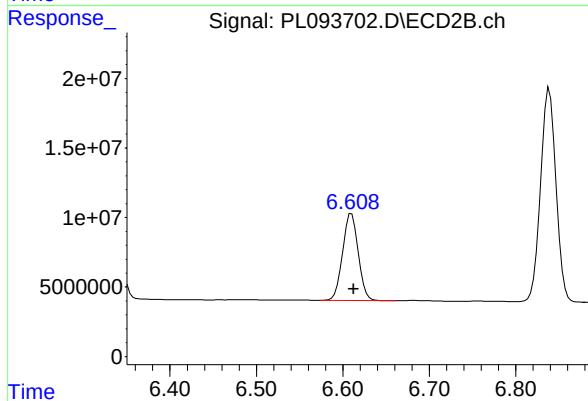
#19 Endosulfan Sulfate

R.T.: 6.334 min
Delta R.T.: -0.003 min
Response: 162349423
Conc: 51.47 ng/ml



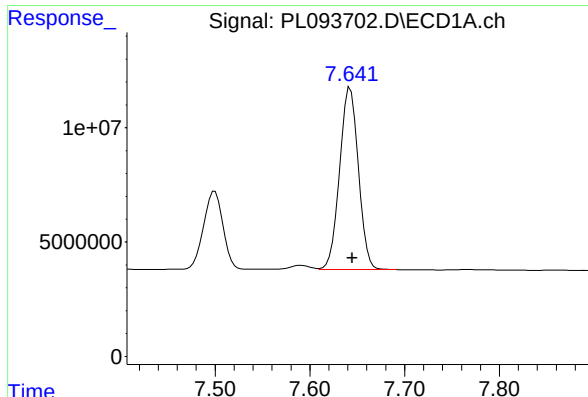
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 48462081
Conc: 48.48 ng/ml



#20 Methoxychlor

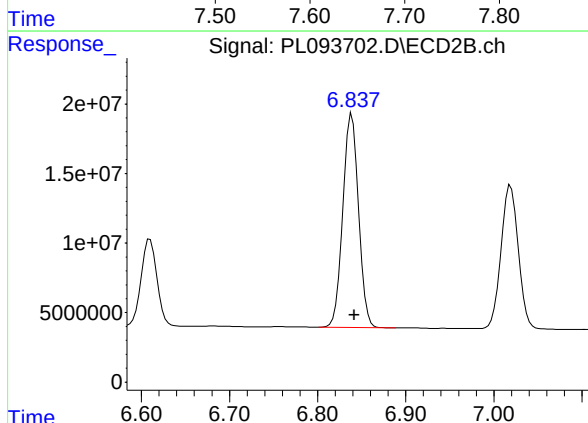
R.T.: 6.610 min
Delta R.T.: -0.003 min
Response: 77919647
Conc: 48.41 ng/ml



#21 Endrin ketone

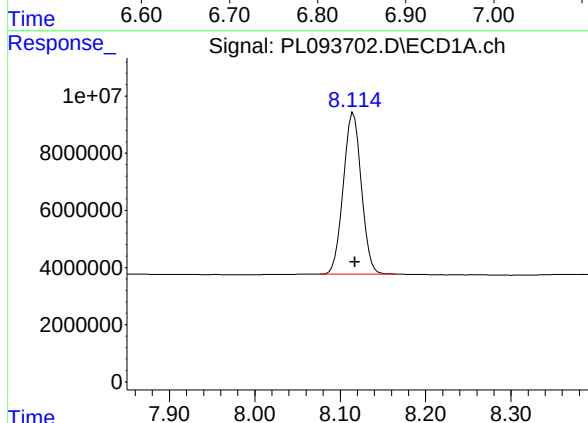
R.T.: 7.643 min
Delta R.T.: -0.002 min
Response: 109307083
Conc: 48.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BS



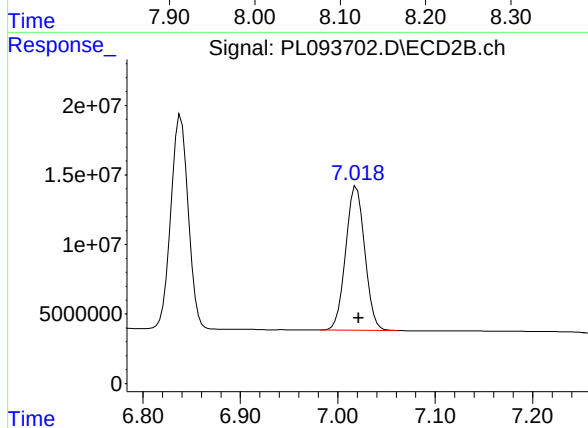
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: -0.003 min
Response: 190338771
Conc: 52.29 ng/ml



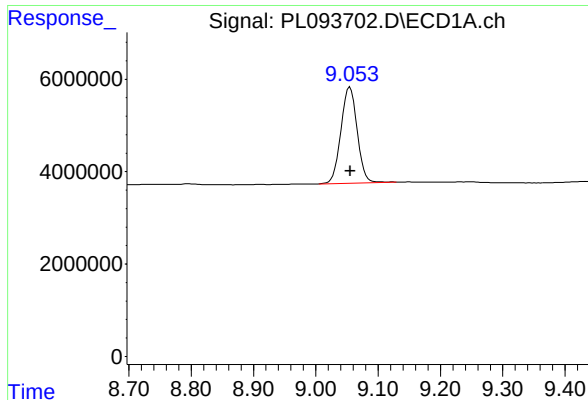
#22 Mirex

R.T.: 8.115 min
Delta R.T.: -0.002 min
Response: 83022085
Conc: 44.43 ng/ml



#22 Mirex

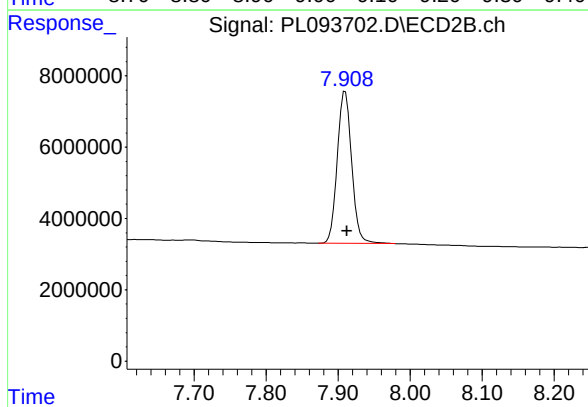
R.T.: 7.019 min
Delta R.T.: -0.002 min
Response: 140748884
Conc: 46.05 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: -0.001 min
Response: 37729400
Conc: 20.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BS



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: -0.003 min
Response: 58906247
Conc: 19.73 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	PB166101BSD	SDG No.:	Q1109
Lab Sample ID:	PB166101BSD	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093703.D	1	01/17/25 08:17	01/20/25 13:01	PB166101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.47		0.0061	0.025	0.050	ug/L
319-85-7	beta-BHC	0.48		0.014	0.025	0.050	ug/L
319-86-8	delta-BHC	0.47		0.015	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.46		0.0049	0.025	0.050	ug/L
76-44-8	Heptachlor	0.48		0.0054	0.025	0.050	ug/L
309-00-2	Aldrin	0.46		0.0044	0.025	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.47		0.0090	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.49		0.0050	0.025	0.050	ug/L
60-57-1	Dieldrin	0.49		0.0047	0.025	0.050	ug/L
72-55-9	4,4-DDE	0.49		0.0045	0.025	0.050	ug/L
72-20-8	Endrin	0.49		0.0043	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.52		0.0075	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.54		0.0092	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.51		0.0035	0.025	0.050	ug/L
50-29-3	4,4-DDT	0.50		0.0044	0.025	0.050	ug/L
72-43-5	Methoxychlor	0.48		0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.52		0.0097	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.49		0.0099	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.49		0.0060	0.025	0.050	ug/L
5103-74-2	gamma-Chlordane	0.49		0.0060	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
2385-85-5	Mirex	0.46		0.0041	0.025	0.050	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.4		30 - 135		102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.1		44 - 124		90%	SPK: 20

Report of Analysis

Client:	Weston Solutions		Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169		Date Received:	
Client Sample ID:	PB166101BSD		SDG No.:	Q1109
Lab Sample ID:	PB166101BSD		Matrix:	WATER
Analytical Method:	SW8081		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Decanted:	
Soil Aliquot Vol:		uL	Final Vol:	10000 uL
Extraction Type:			Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	Injection Volume :	
Prep Method :	3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093703.D	1	01/17/25 08:17	01/20/25 13:01	PB166101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012025\
 Data File : PL093703.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Jan 2025 13:01
 Operator : AR\AJ
 Sample : PB166101BSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB166101BSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jan 20 13:29:08 2025
 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...	3.546	2.776	44696147	50441399	18.054	17.327
28) SA Decachlor...	9.060	7.912	37646880	58837435	20.360	19.705
Target Compounds						
2) A alpha-BHC	4.002	3.278	156.8E6	202.6E6	45.429	46.602
3) MA gamma-BHC...	4.335	3.608	148.5E6	193.3E6	45.291	45.804
4) MA Heptachlor	4.922	3.946	139.4E6	196.3E6	47.611	47.238
5) MB Aldrin	5.264	4.226	132.1E6	187.5E6	45.414	45.716
6) B beta-BHC	4.533	3.909	67488506	86298403	46.815	48.011
7) B delta-BHC	4.780	4.137	142.8E6	193.7E6	46.626	45.808
8) B Heptachlo...	5.690	4.729	122.1E6	179.2E6	46.349	46.816
9) A Endosulfan I	6.075	5.099	111.9E6	171.7E6	47.424	49.148
10) B gamma-Chl...	5.946	4.979	119.3E6	189.7E6	47.475	49.223
11) B alpha-Chl...	6.025	5.043	119.8E6	185.4E6	47.851	48.685
12) B 4,4'-DDE	6.198	5.231	109.6E6	181.5E6	48.835	49.368
13) MA Dieldrin	6.350	5.363	117.7E6	188.6E6	47.189	48.937
14) MA Endrin	6.580	5.639	98352065	162.5E6	45.693	49.110
15) B Endosulfa...	6.799	5.933	103.2E6	169.5E6	45.378	52.171
16) A 4,4'-DDD	6.715	5.787	88775986	151.5E6	50.557	53.537
17) MA 4,4'-DDT	7.030	6.037	90974478	151.5E6	49.215	50.162
18) B Endrin al...	6.930	6.113	82589910	133.2E6	46.542	49.445
19) B Endosulfa...	7.164	6.336	97214394	161.6E6	48.149	51.245
20) A Methoxychlor	7.505	6.612	48161382	77533971	48.177	48.169
21) B Endrin ke...	7.649	6.841	109.2E6	188.7E6	48.682	51.827
22) Mirex	8.122	7.021	83275473	140.8E6	44.563	46.062

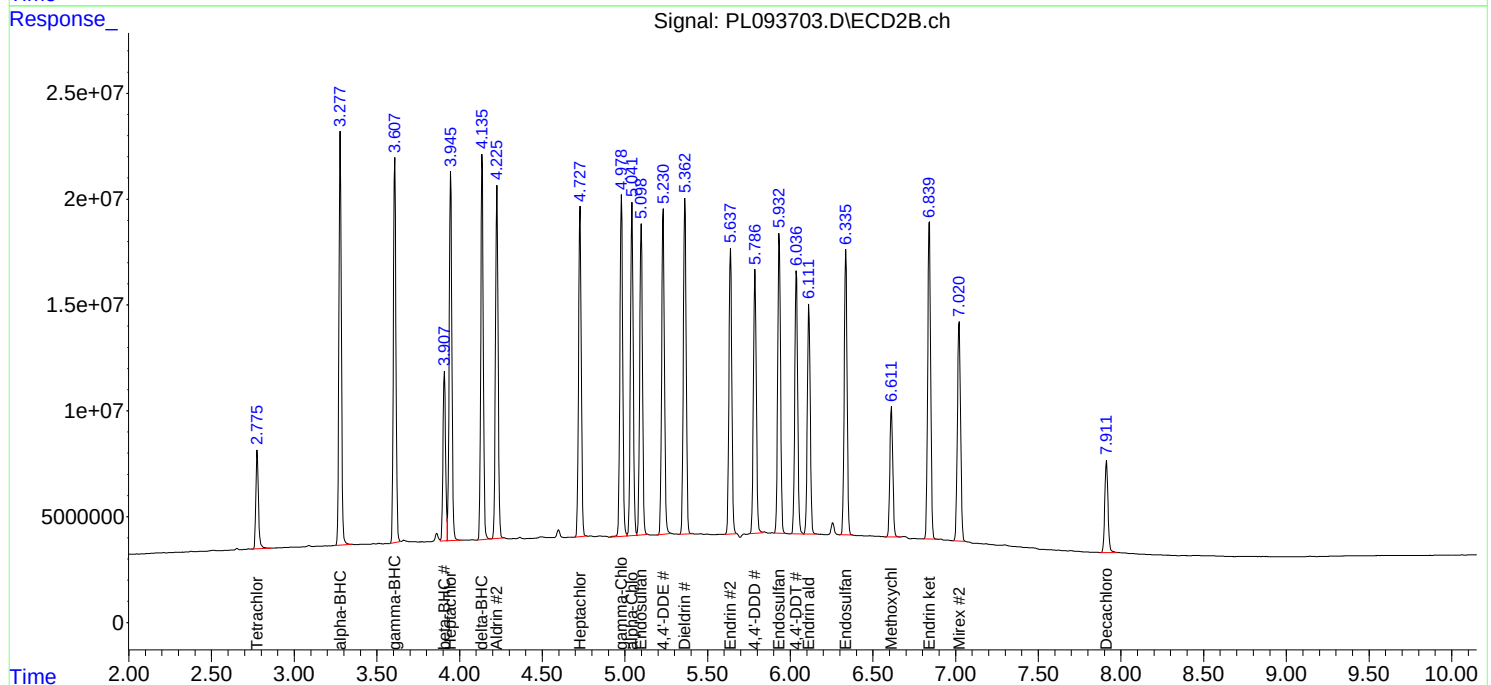
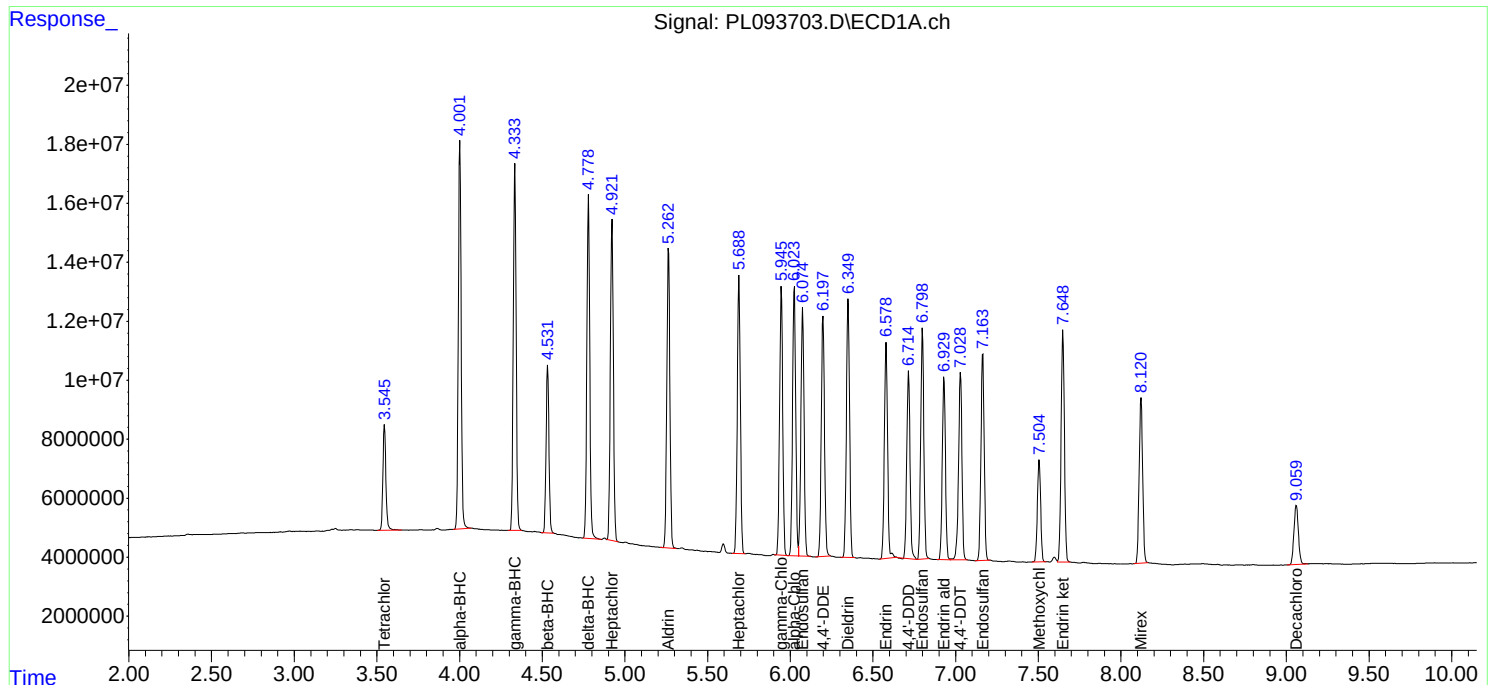
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

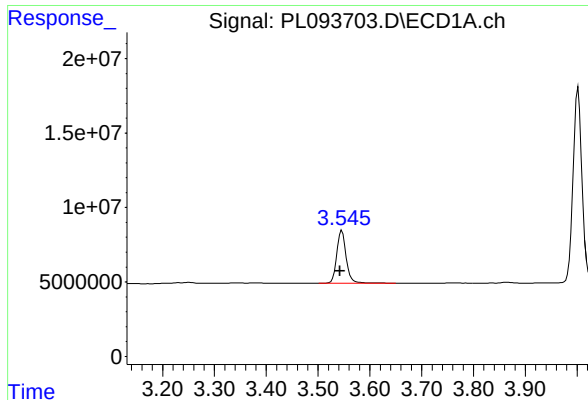
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012025\
Data File : PL093703.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Jan 2025 13:01
Operator : AR\AJ
Sample : PB166101BSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166101BSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 20 13:29:08 2025
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

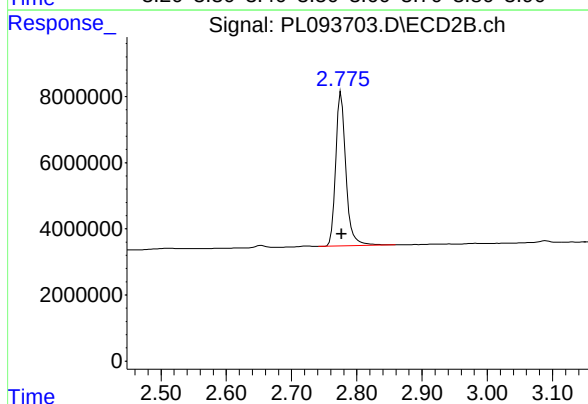




#1 Tetrachloro-m-xylene

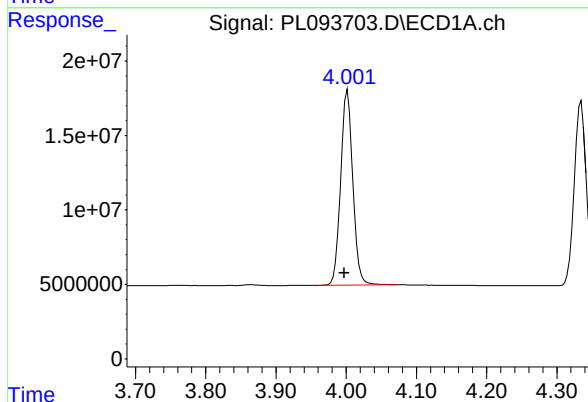
R.T.: 3.546 min
Delta R.T.: 0.004 min
Response: 44696147
Conc: 18.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BSD



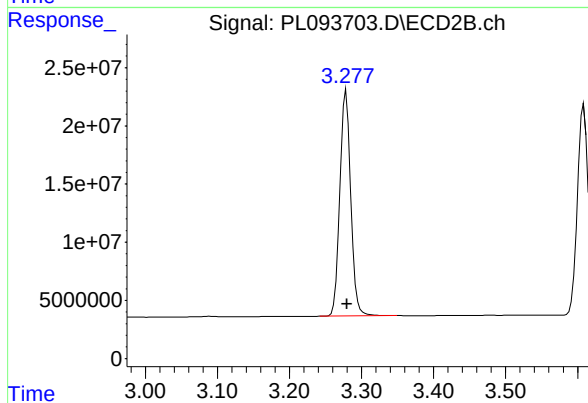
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.001 min
Response: 50441399
Conc: 17.33 ng/ml



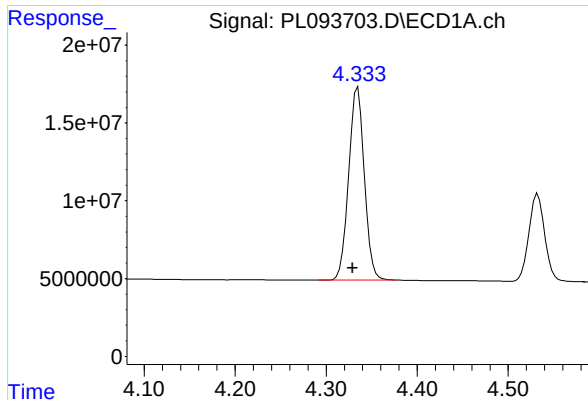
#2 alpha-BHC

R.T.: 4.002 min
Delta R.T.: 0.005 min
Response: 156837677
Conc: 45.43 ng/ml



#2 alpha-BHC

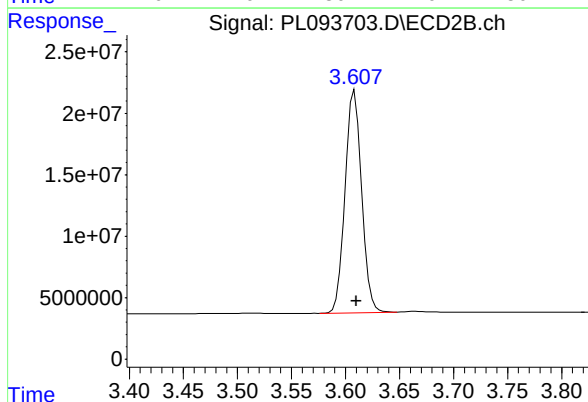
R.T.: 3.278 min
Delta R.T.: -0.001 min
Response: 202570396
Conc: 46.60 ng/ml



#3 gamma-BHC (Lindane)

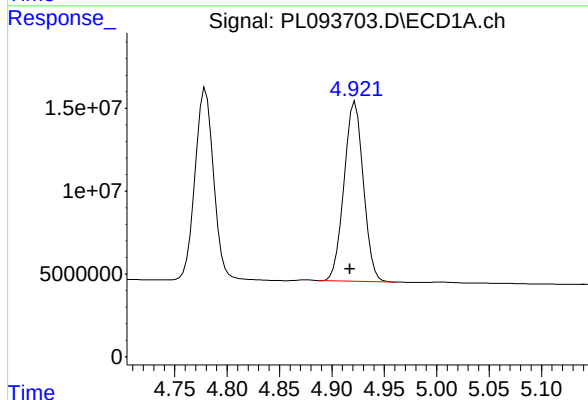
R.T.: 4.335 min
Delta R.T.: 0.005 min
Response: 148530216
Conc: 45.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BSD



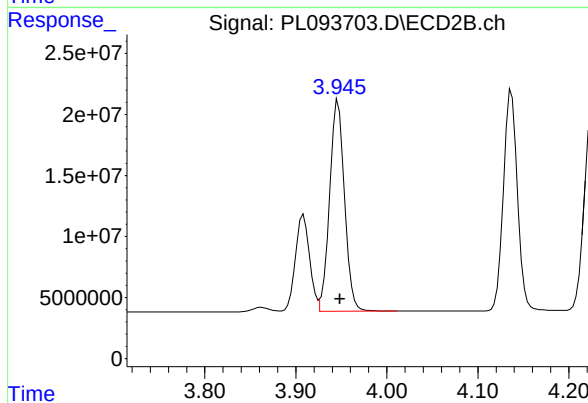
#3 gamma-BHC (Lindane)

R.T.: 3.608 min
Delta R.T.: -0.001 min
Response: 193263292
Conc: 45.80 ng/ml



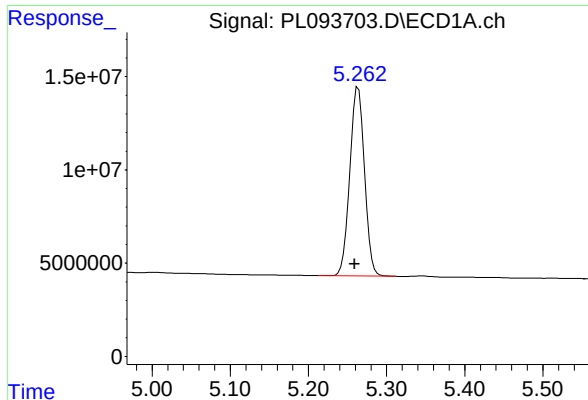
#4 Heptachlor

R.T.: 4.922 min
Delta R.T.: 0.005 min
Response: 139421035
Conc: 47.61 ng/ml



#4 Heptachlor

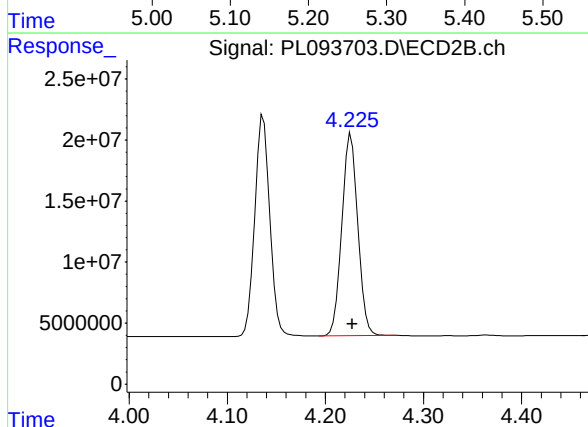
R.T.: 3.946 min
Delta R.T.: -0.002 min
Response: 196317220
Conc: 47.24 ng/ml



#5 Aldrin

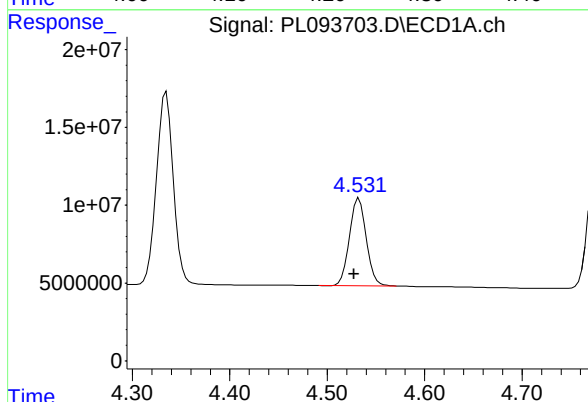
R.T.: 5.264 min
Delta R.T.: 0.005 min
Response: 132103895
Conc: 45.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BSD



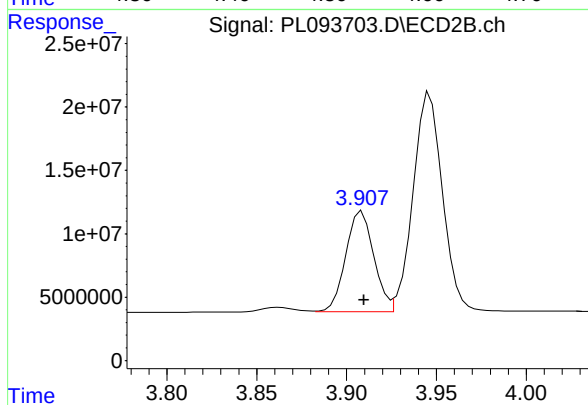
#5 Aldrin

R.T.: 4.226 min
Delta R.T.: -0.001 min
Response: 187539320
Conc: 45.72 ng/ml



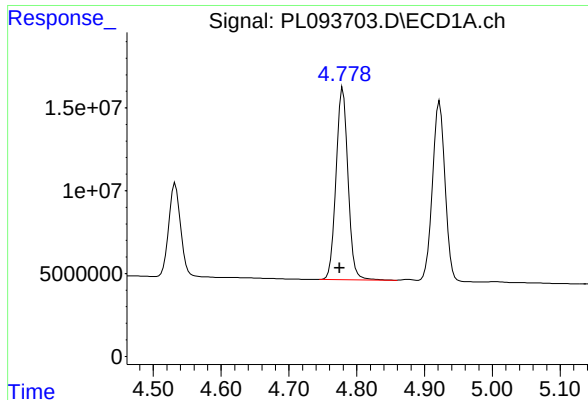
#6 beta-BHC

R.T.: 4.533 min
Delta R.T.: 0.005 min
Response: 67488506
Conc: 46.82 ng/ml



#6 beta-BHC

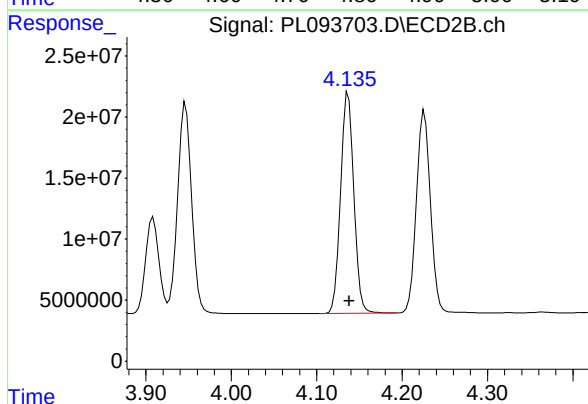
R.T.: 3.909 min
Delta R.T.: -0.001 min
Response: 86298403
Conc: 48.01 ng/ml



#7 delta-BHC

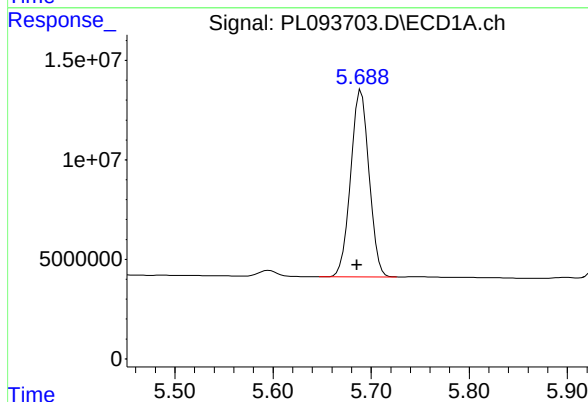
R.T.: 4.780 min
Delta R.T.: 0.005 min
Response: 142796528
Conc: 46.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BSD



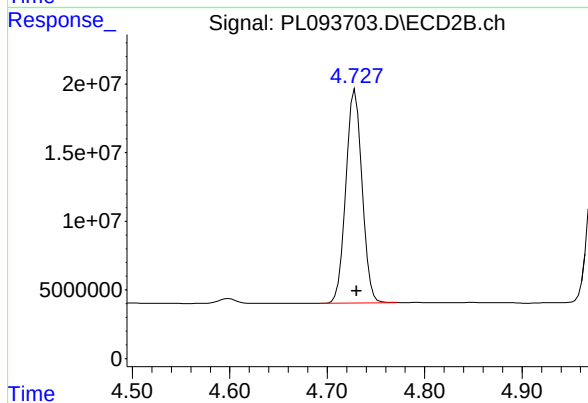
#7 delta-BHC

R.T.: 4.137 min
Delta R.T.: -0.001 min
Response: 193715399
Conc: 45.81 ng/ml



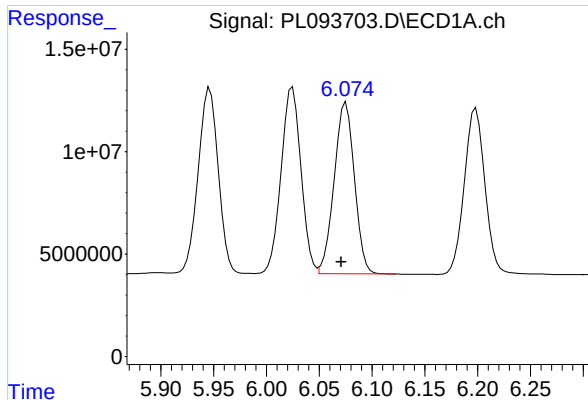
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: 0.004 min
Response: 122100920
Conc: 46.35 ng/ml



#8 Heptachlor epoxide

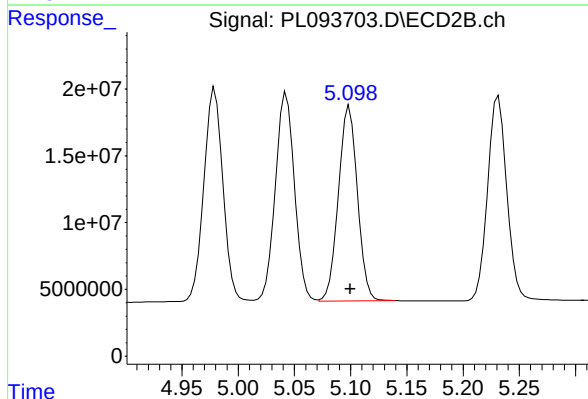
R.T.: 4.729 min
Delta R.T.: -0.002 min
Response: 179242760
Conc: 46.82 ng/ml



#9 Endosulfan I

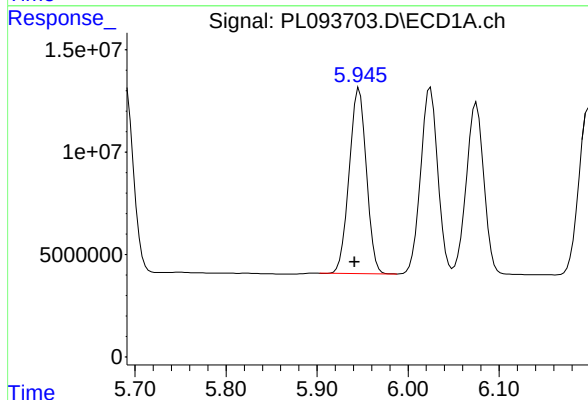
R.T.: 6.075 min
Delta R.T.: 0.005 min
Response: 111885830
Conc: 47.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BSD



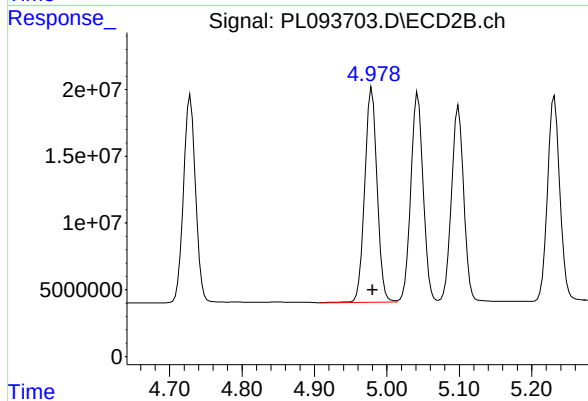
#9 Endosulfan I

R.T.: 5.099 min
Delta R.T.: -0.001 min
Response: 171722103
Conc: 49.15 ng/ml



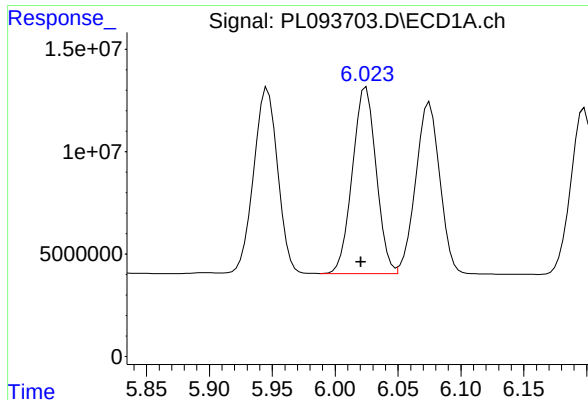
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: 0.005 min
Response: 119308894
Conc: 47.47 ng/ml



#10 gamma-Chlordane

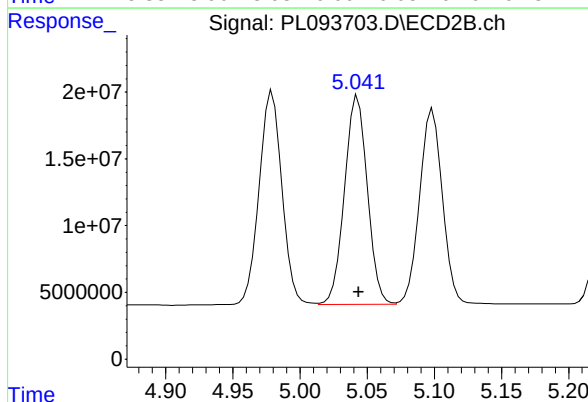
R.T.: 4.979 min
Delta R.T.: -0.001 min
Response: 189656814
Conc: 49.22 ng/ml



#11 alpha-Chlordane

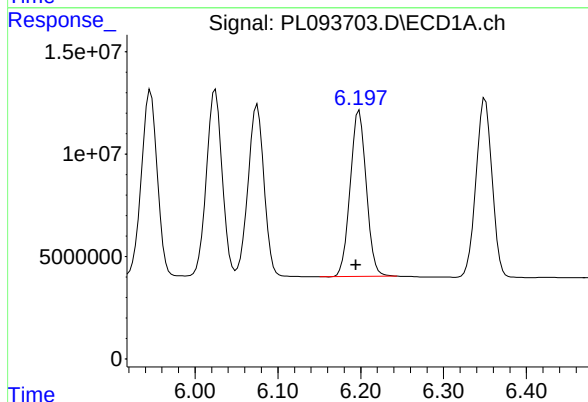
R.T.: 6.025 min
Delta R.T.: 0.004 min
Response: 119765418
Conc: 47.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BSD



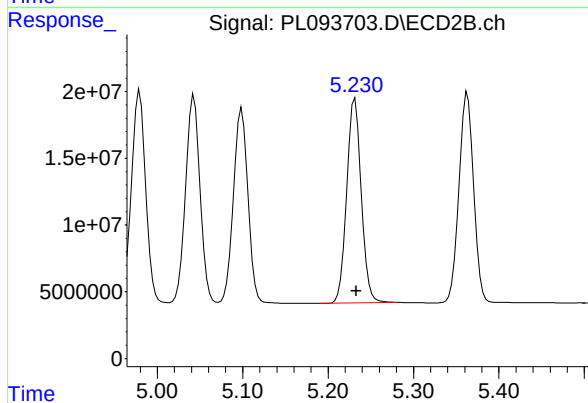
#11 alpha-Chlordane

R.T.: 5.043 min
Delta R.T.: 0.000 min
Response: 185364477
Conc: 48.69 ng/ml



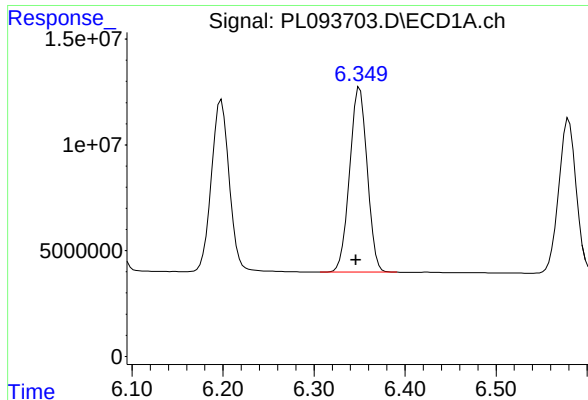
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.004 min
Response: 109577756
Conc: 48.83 ng/ml



#12 4,4'-DDE

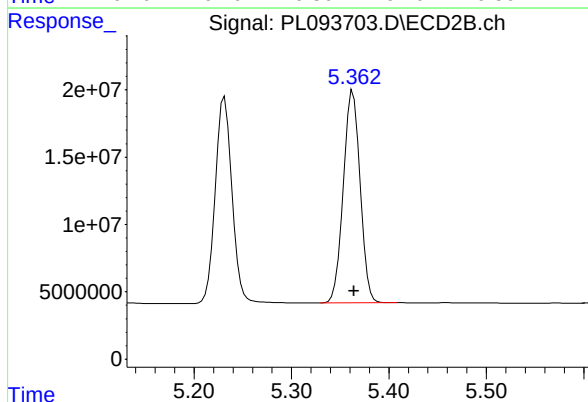
R.T.: 5.231 min
Delta R.T.: -0.002 min
Response: 181539293
Conc: 49.37 ng/ml



#13 Dieldrin

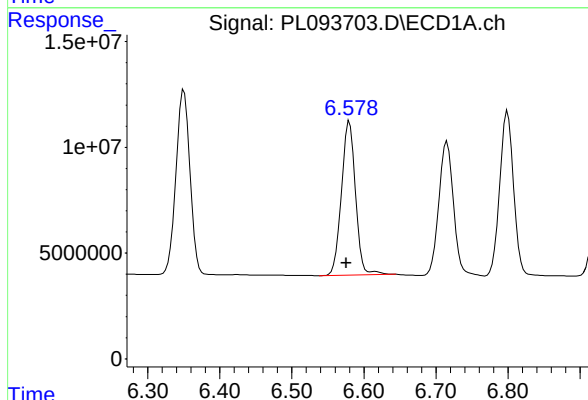
R.T.: 6.350 min
Delta R.T.: 0.004 min
Response: 117740689
Conc: 47.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BSD



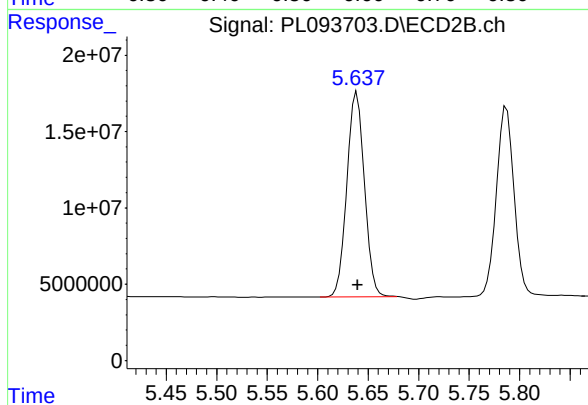
#13 Dieldrin

R.T.: 5.363 min
Delta R.T.: 0.000 min
Response: 188597957
Conc: 48.94 ng/ml



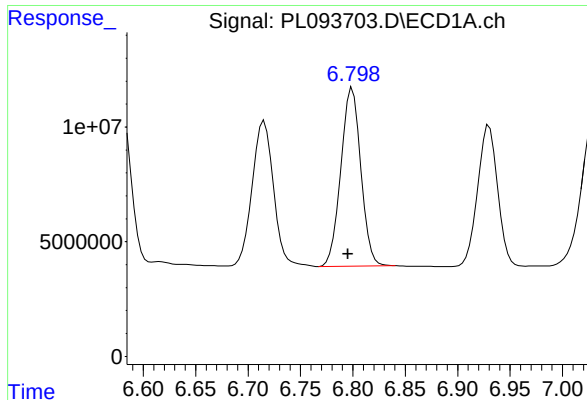
#14 Endrin

R.T.: 6.580 min
Delta R.T.: 0.004 min
Response: 98352065
Conc: 45.69 ng/ml



#14 Endrin

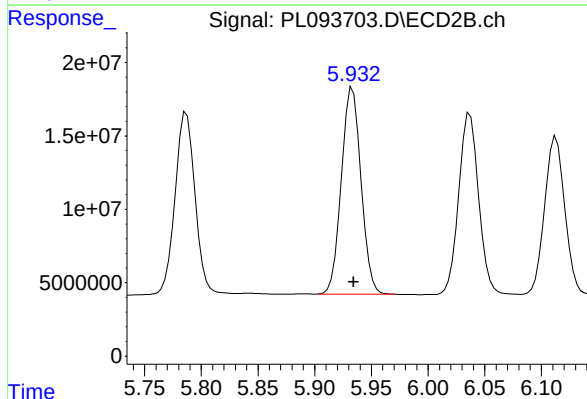
R.T.: 5.639 min
Delta R.T.: 0.000 min
Response: 162471063
Conc: 49.11 ng/ml



#15 Endosulfan II

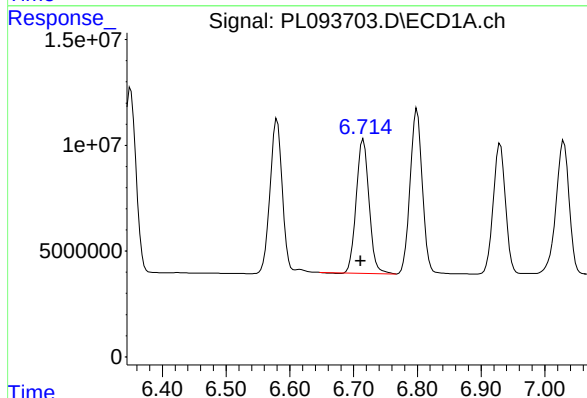
R.T.: 6.799 min
Delta R.T.: 0.004 min
Response: 103155326
Conc: 45.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BSD



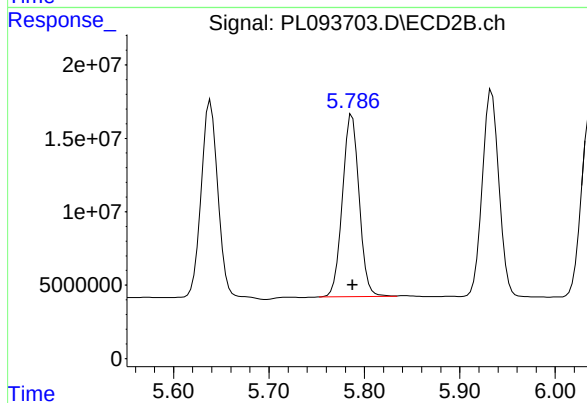
#15 Endosulfan II

R.T.: 5.933 min
Delta R.T.: 0.000 min
Response: 169500623
Conc: 52.17 ng/ml



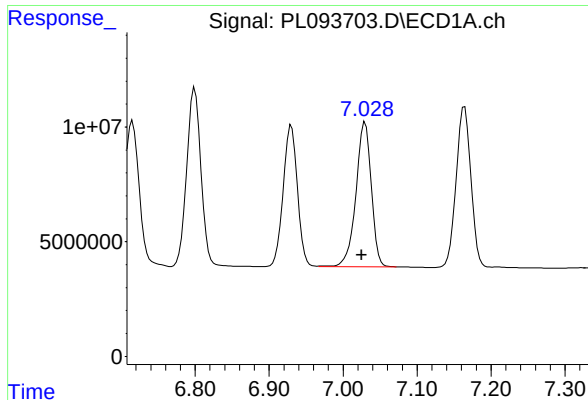
#16 4,4'-DDD

R.T.: 6.715 min
Delta R.T.: 0.004 min
Response: 88775986
Conc: 50.56 ng/ml



#16 4,4'-DDD

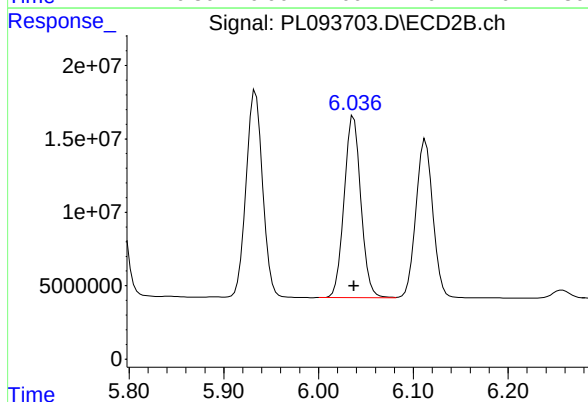
R.T.: 5.787 min
Delta R.T.: 0.000 min
Response: 151517142
Conc: 53.54 ng/ml



#17 4,4'-DDT

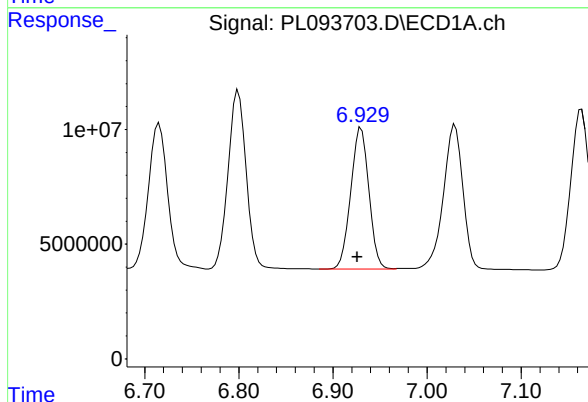
R.T.: 7.030 min
Delta R.T.: 0.005 min
Response: 90974478
Conc: 49.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BSD



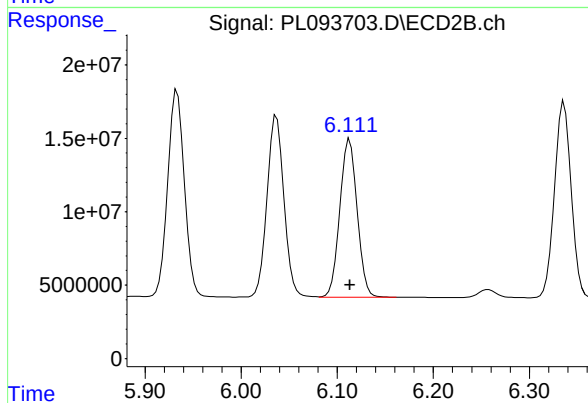
#17 4,4'-DDT

R.T.: 6.037 min
Delta R.T.: 0.000 min
Response: 151504293
Conc: 50.16 ng/ml



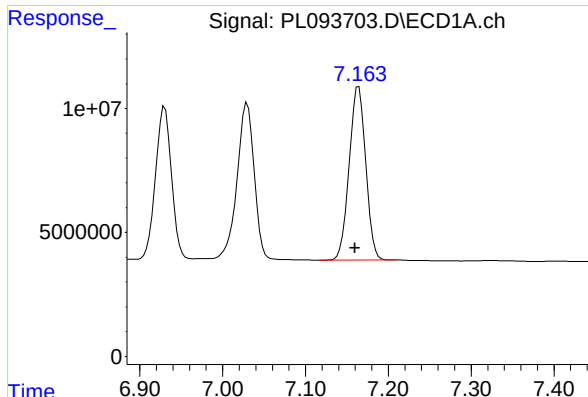
#18 Endrin aldehyde

R.T.: 6.930 min
Delta R.T.: 0.004 min
Response: 82589910
Conc: 46.54 ng/ml



#18 Endrin aldehyde

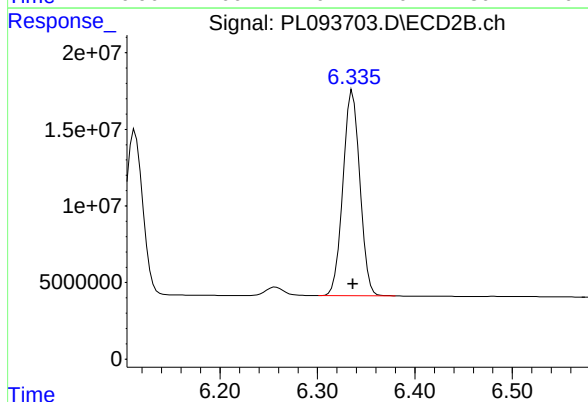
R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 133158764
Conc: 49.44 ng/ml



#19 Endosulfan Sulfate

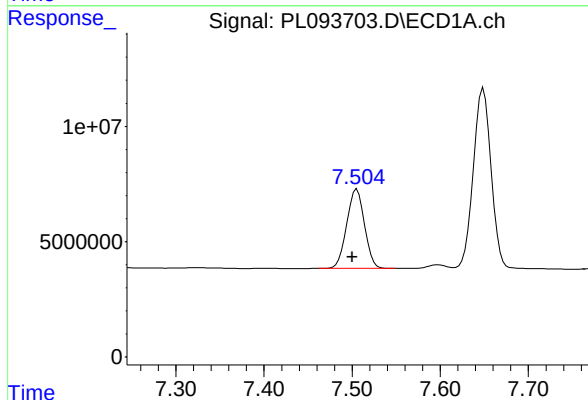
R.T.: 7.164 min
Delta R.T.: 0.004 min
Response: 97214394
Conc: 48.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BSD



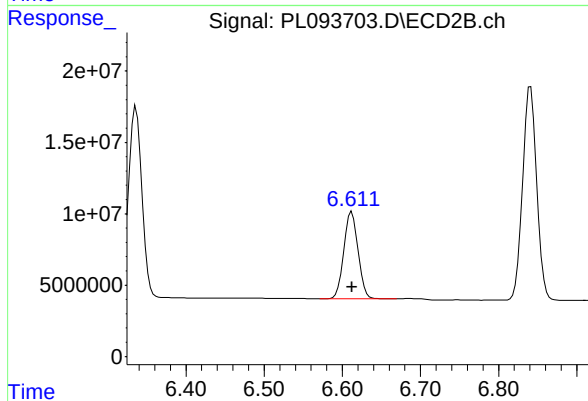
#19 Endosulfan Sulfate

R.T.: 6.336 min
Delta R.T.: 0.000 min
Response: 161646612
Conc: 51.24 ng/ml



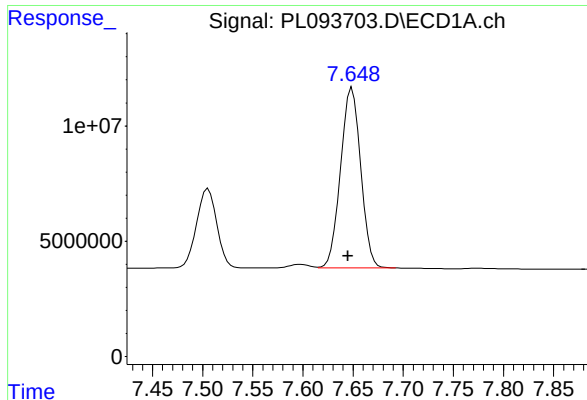
#20 Methoxychlor

R.T.: 7.505 min
Delta R.T.: 0.005 min
Response: 48161382
Conc: 48.18 ng/ml



#20 Methoxychlor

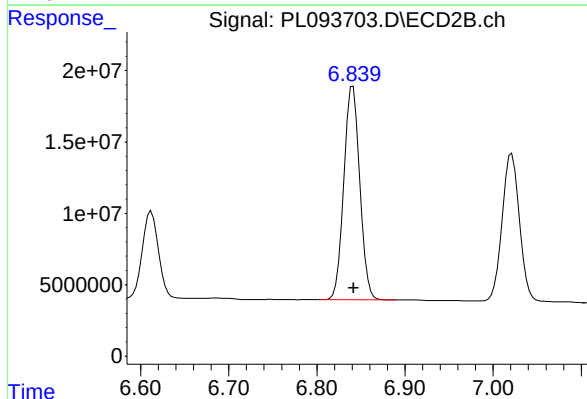
R.T.: 6.612 min
Delta R.T.: 0.000 min
Response: 77533971
Conc: 48.17 ng/ml



#21 Endrin ketone

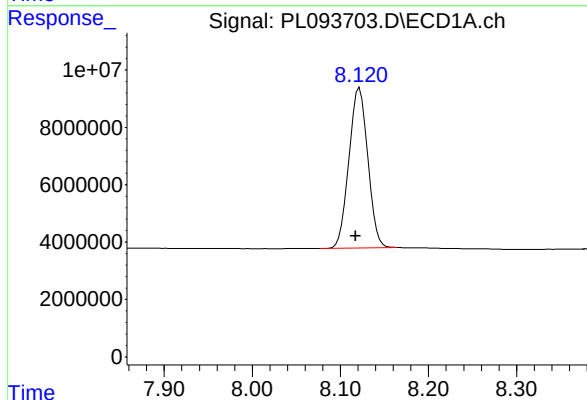
R.T.: 7.649 min
Delta R.T.: 0.004 min
Response: 109235254
Conc: 48.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BSD



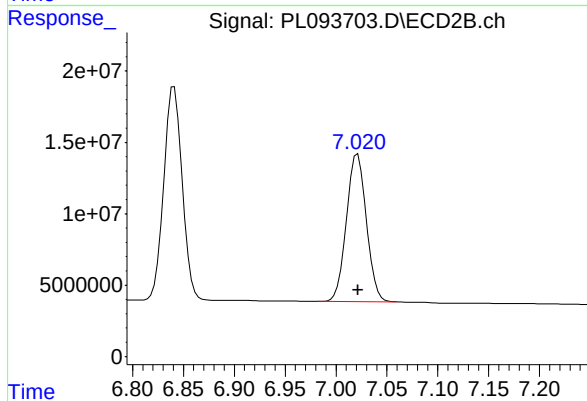
#21 Endrin ketone

R.T.: 6.841 min
Delta R.T.: 0.000 min
Response: 188670296
Conc: 51.83 ng/ml



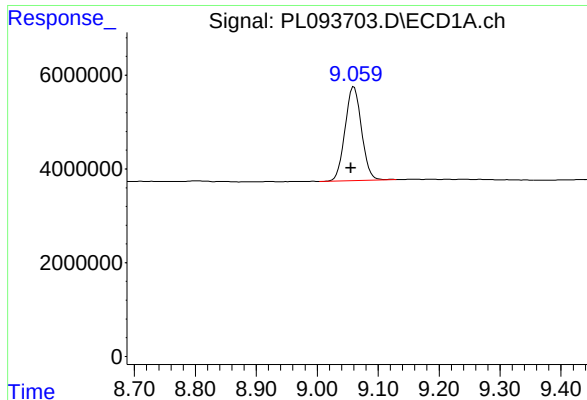
#22 Mirex

R.T.: 8.122 min
Delta R.T.: 0.005 min
Response: 83275473
Conc: 44.56 ng/ml



#22 Mirex

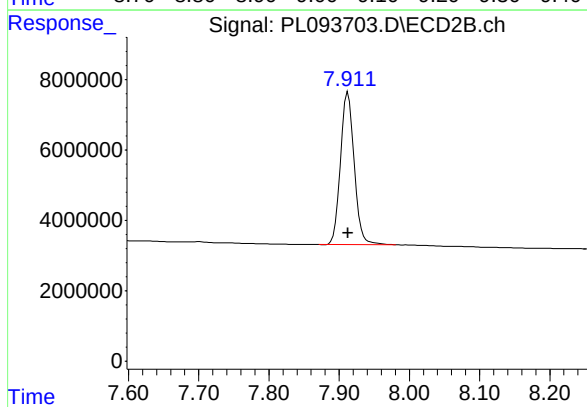
R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 140788265
Conc: 46.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.005 min
Response: 37646880
Conc: 20.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166101BSD



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.000 min
Response: 58837435
Conc: 19.71 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:	PL012025	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL093695.D	4,4"-DDD	Abdul	1/21/2025 8:10:20 AM	Ankita	1/21/2025 8:20:29	Peak Integrated by Software
PCHLORCCC500	PL093697.D	Chlordane-2	Abdul	1/21/2025 8:10:24 AM	Ankita	1/21/2025 8:20:31	Peak Integrated by Software
PCHLORCCC500	PL093697.D	Chlordane-3	Abdul	1/21/2025 8:10:24 AM	Ankita	1/21/2025 8:20:31	Peak Integrated by Software
PCHLORCCC500	PL093697.D	Chlordane-5	Abdul	1/21/2025 8:10:24 AM	Ankita	1/21/2025 8:20:31	Peak Integrated by Software
PCHLORCCC500	PL093697.D	Chlordane-5 #2	Abdul	1/21/2025 8:10:24 AM	Ankita	1/21/2025 8:20:31	Peak Integrated by Software
PTOXCCC500	PL093698.D	Toxaphene-2	Abdul	1/21/2025 8:10:29 AM	Ankita	1/21/2025 8:20:32	Peak Integrated by Software
PCHLORCCC500	PL093708.D	Chlordane-2	Abdul	1/21/2025 8:10:38 AM	Ankita	1/21/2025 8:20:36	Peak Integrated by Software
PCHLORCCC500	PL093708.D	Chlordane-3	Abdul	1/21/2025 8:10:38 AM	Ankita	1/21/2025 8:20:36	Peak Integrated by Software
PCHLORCCC500	PL093708.D	Chlordane-5	Abdul	1/21/2025 8:10:38 AM	Ankita	1/21/2025 8:20:36	Peak Integrated by Software
PSTDCCC050	PL093718.D	Endosulfan II #2	Abdul	1/21/2025 8:11:02 AM	Ankita	1/21/2025 8:20:46	Peak Integrated by Software
PSTDCCC050	PL093718.D	Endrin	Abdul	1/21/2025 8:11:02 AM	Ankita	1/21/2025 8:20:46	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#	Sampleld	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 # PL012025

Review By	Abdul	Review On	1/21/2025 8:11:40 AM
Supervise By	Ankita	Supervise On	1/21/2025 8:21:06 AM
SubDirectory	PL012025	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	PL093693.D	20 Jan 2025 08:38	AR\AJ	Ok
2	I.BLK	PL093694.D	20 Jan 2025 08:51	AR\AJ	Ok
3	PEM	PL093695.D	20 Jan 2025 09:05	AR\AJ	Ok,M
4	PSTDCCC050	PL093696.D	20 Jan 2025 09:18	AR\AJ	Ok
5	PCHLORCCC500	PL093697.D	20 Jan 2025 10:22	AR\AJ	Ok,M
6	PTOXCCC500	PL093698.D	20 Jan 2025 11:12	AR\AJ	Ok,M
7	PB166101BS	PL093699.D	20 Jan 2025 11:30	AR\AJ	Ok,M
8	PB166101BS	PL093700.D	20 Jan 2025 12:03	AR\AJ	Ok
9	PB166101BL	PL093701.D	20 Jan 2025 12:22	AR\AJ	Ok
10	PB166101BS	PL093702.D	20 Jan 2025 12:35	AR\AJ	Ok
11	PB166101BSD	PL093703.D	20 Jan 2025 13:01	AR\AJ	Ok
12	Q1109-02	PL093704.D	20 Jan 2025 13:15	AR\AJ	Ok
13	Q1122-01	PL093705.D	20 Jan 2025 13:28	AR\AJ	Ok
14	I.BLK	PL093706.D	20 Jan 2025 13:50	AR\AJ	Ok
15	PSTDCCC050	PL093707.D	20 Jan 2025 14:19	AR\AJ	Ok
16	PCHLORCCC500	PL093708.D	20 Jan 2025 14:32	AR\AJ	Ok,M
17	PTOXCCC500	PL093709.D	20 Jan 2025 14:46	AR\AJ	Ok
18	PB166128BL	PL093710.D	20 Jan 2025 14:59	AR\AJ	Ok
19	PB166128BS	PL093711.D	20 Jan 2025 15:12	AR\AJ	Ok,M
20	PB166096BS	PL093712.D	20 Jan 2025 15:26	AR\AJ	Ok,M
21	Q1132-01	PL093713.D	20 Jan 2025 15:39	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL012025

Review By	Abdul	Review On	1/21/2025 8:11:40 AM
Supervise By	Ankita	Supervise On	1/21/2025 8:21:06 AM
SubDirectory	PL012025	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	Q1132-04	PL093714.D	20 Jan 2025 15:52	AR\AJ	Ok,M
23	Q1133-01	PL093715.D	20 Jan 2025 16:05	AR\AJ	Ok,M
24	Q1134-01	PL093716.D	20 Jan 2025 16:19	AR\AJ	Ok,M
25	I.BLK	PL093717.D	20 Jan 2025 16:32	AR\AJ	Ok
26	PSTDCCC050	PL093718.D	20 Jan 2025 17:27	AR\AJ	Ok,M
27	Q1123-01	PL093719.D	20 Jan 2025 17:40	AR\AJ	Ok,M
28	Q1123-01MS	PL093720.D	20 Jan 2025 17:54	AR\AJ	Ok,M
29	Q1123-01MSD	PL093721.D	20 Jan 2025 18:08	AR\AJ	Ok,M
30	I.BLK	PL093722.D	20 Jan 2025 18:21	AR\AJ	Ok
31	PSTDCCC050	PL093723.D	20 Jan 2025 18:34	AR\AJ	Ok

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 # PL012025

Review By	Abdul	Review On	1/21/2025 8:11:40 AM
Supervise By	Ankita	Supervise On	1/21/2025 8:21:06 AM
SubDirectory	PL012025	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	PL093693.D	20 Jan 2025 08:38		AR\AJ	Ok
2	I.BLK	I.BLK	PL093694.D	20 Jan 2025 08:51		AR\AJ	Ok
3	PEM	PEM	PL093695.D	20 Jan 2025 09:05		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL093696.D	20 Jan 2025 09:18		AR\AJ	Ok
5	PCHLORCCC500	PCHLORCCC500	PL093697.D	20 Jan 2025 10:22		AR\AJ	Ok,M
6	PTOXCCC500	PTOXCCC500	PL093698.D	20 Jan 2025 11:12		AR\AJ	Ok,M
7	PB166101BS	PB166101BS	PL093699.D	20 Jan 2025 11:30		AR\AJ	Ok,M
8	PB166101BS	PB166101BS	PL093700.D	20 Jan 2025 12:03		AR\AJ	Ok
9	PB166101BL	PB166101BL	PL093701.D	20 Jan 2025 12:22		AR\AJ	Ok
10	PB166101BS	PB166101BS	PL093702.D	20 Jan 2025 12:35		AR\AJ	Ok
11	PB166101BSD	PB166101BSD	PL093703.D	20 Jan 2025 13:01		AR\AJ	Ok
12	Q1109-02	TAPIAL1-MW04S-0115	PL093704.D	20 Jan 2025 13:15		AR\AJ	Ok
13	Q1122-01	RW10A-20250116	PL093705.D	20 Jan 2025 13:28		AR\AJ	Ok
14	I.BLK	I.BLK	PL093706.D	20 Jan 2025 13:50		AR\AJ	Ok
15	PSTDCCC050	PSTDCCC050	PL093707.D	20 Jan 2025 14:19		AR\AJ	Ok
16	PCHLORCCC500	PCHLORCCC500	PL093708.D	20 Jan 2025 14:32		AR\AJ	Ok,M
17	PTOXCCC500	PTOXCCC500	PL093709.D	20 Jan 2025 14:46		AR\AJ	Ok
18	PB166128BL	PB166128BL	PL093710.D	20 Jan 2025 14:59		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL012025

Review By	Abdul	Review On	1/21/2025 8:11:40 AM
Supervise By	Ankita	Supervise On	1/21/2025 8:21:06 AM
SubDirectory	PL012025	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	PB166128BS	PB166128BS	PL093711.D	20 Jan 2025 15:12		AR\AJ	Ok,M
20	PB166096BS	PB166096BS	PL093712.D	20 Jan 2025 15:26		AR\AJ	Ok,M
21	Q1132-01	HD-1-011725	PL093713.D	20 Jan 2025 15:39		AR\AJ	Ok
22	Q1132-04	HD-2-011725	PL093714.D	20 Jan 2025 15:52		AR\AJ	Ok,M
23	Q1133-01	TR-04-1172025	PL093715.D	20 Jan 2025 16:05		AR\AJ	Ok,M
24	Q1134-01	EO-1-011725	PL093716.D	20 Jan 2025 16:19		AR\AJ	Ok,M
25	I.BLK	I.BLK	PL093717.D	20 Jan 2025 16:32		AR\AJ	Ok
26	PSTDCCC050	PSTDCCC050	PL093718.D	20 Jan 2025 17:27		AR\AJ	Ok,M
27	Q1123-01	BU-03-1172025	PL093719.D	20 Jan 2025 17:40		AR\AJ	Ok,M
28	Q1123-01MS	BU-03-1172025MS	PL093720.D	20 Jan 2025 17:54		AR\AJ	Ok,M
29	Q1123-01MSD	BU-03-1172025MSD	PL093721.D	20 Jan 2025 18:08		AR\AJ	Ok,M
30	I.BLK	I.BLK	PL093722.D	20 Jan 2025 18:21		AR\AJ	Ok
31	PSTDCCC050	PSTDCCC050	PL093723.D	20 Jan 2025 18:34		AR\AJ	Ok

M : Manual Integration

SOP ID: M3510C,3580A-Extraction Pesticide-16			
Clean Up SOP #: Florisil		Extraction Start Date : 01/17/2025	
Matrix : Water		Extraction Start Time : 08:17	
Weigh By: N/A	Extraction By: RS	Extraction End Date : 01/17/2025	
Balance check: N/A	Filter By: RS	Extraction End Time : 16:10	
Balance ID: N/A	pH Meter ID: N/A	Concentration By: EH	
pH Strip Lot#: E3574	Hood ID: 4,6,7	Supervisor By : rajesh	

Extraction Method: ☒ Separatory Funnel ☐ Continous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24091
Surrogate	1.0ML	200 PPB	PP23985
Spike Sol 2	2.0ML	1000 PPB	PP24081
Spike Sol 3	2.0ML	1000 PPB	PP24080
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3871
Baked Na2SO4	N/A	EP2577
Hexane	N/A	E3868
Florisil	N/A	E3806
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721. P1122-01 Added in batch at 11:25 & Limited volume recd.

KD Bath ID: Water bath -01	Envap ID: NEVAP-02
KD Bath Temperature: 60 °C	Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/17/25 16:15	RP (Ext. Lab)	R. Rajesh/PCB Lab
	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction Pesticide-16

Concentration Date: 01/17/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166101BL	PBLK101	PESTICIDE Group1	1000	6	RUPESH	rajesh	10			SEP-01
PB166101BS	PLCS101	PESTICIDE Group1	1000	6	RUPESH	rajesh	10			2
PB166101BS D	PLCSD101	PESTICIDE Group1	1000	6	RUPESH	rajesh	10			3
Q1109-02	TAPIAL1-MW04S-011525-00-T2	PESTICIDE Group1	980	6	RUPESH	rajesh	10	S		4
Q1122-01	RW10A-20250116	Pesticide-TCL	490	6	RUPESH	rajesh	5			5
	CHLORDANE	1	1000	6	1	1	10			6
	ToxAPHENE	1	1000	6	1	1	10			7

* Extracts relinquished on the same date as received.

Q1109-PESTICIDE Group1

2/19/25

261 of 347

66101
P47 8:17

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1109

WorkList ID : 186980

Department : Extraction

Date : 01-17-2025 08:09:30

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1109-02	TAPIAL1-MW04S-011525-00-T2	Water	Diesel Range Organics	Cool 4 deg C	WEST04	M11	01/15/2025	8015D
Q1109-02	TAPIAL1-MW04S-011525-00-T2	Water	PESTICIDE Group1	Cool 4 deg C	WEST04	M11	01/15/2025	8081B

Date/Time 01/17/25 8:15

Raw Sample Received by: RS (Ext 104)

Raw Sample Relinquished by: CP SM

Q1109-PESTICIDE Group1

Date/Time 01/17/25 8:30

Raw Sample Received by: CP SM

Raw Sample Relinquished by: RS (Ext 104)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P1122

WorkList ID : 186990

Department : Extraction

Date : 01-17-2025 11:25:06

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1122-01	RW10A-20250116	Water	Pesticide-TCL	Cool 4 deg C	TETR06	E11	01/16/2025	8081B

Date/Time 01/17/25 11:25
Raw Sample Received by: RS (Eel 2024)
Raw Sample Relinquished by: JD CSM

Date/Time 01/17/25 11:40
Raw Sample Received by: JD CSM
Raw Sample Relinquished by: RS (Eel 2024)

Prep Standard - Chemical Standard Summary

Order ID : Q1109
Test : PESTICIDE Group1
Prepbatch ID : PB166101,
Sequence ID/Qc Batch ID: PL012025,

Standard ID :
EP2577,PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683,P
P23686,PP23687,PP23690,PP23693,PP23695,PP23698,PP23733,PP23793,PP23985,PP24080,PP24081,PP24091,P
P24095,

Chemical ID :
E3551,E3792,E3805,E3806,E3827,E3843,E3847,E3868,E3871,P11146,P11896,P12600,P13036,P13039,P13245,P133
49,P13350,P13352,P13359,P13402,P13404,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2577	01/06/2025	07/01/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 01/06/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
84	Pest/PCB Surrogate Stock 20 PPM	PP23673	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1273	20 PPM Mirex Stock (Primary Source)	PP23676	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.20000ml of P11146 + 9.80000ml 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>
3663	20 PPM MIREX Stock STD (Secondary source)	PP23677	09/21/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								10/01/2024

FROM 0.20000ml of P11146 + 9.80000ml 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>
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
FROM 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
FROM 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>
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>
3878	1000 PPB TOXAPHENE SPIKE (RESTEK)	PP24080	12/16/2024	06/05/2025	Abdul Mirza	None	None	Ankita Jodhani
								12/17/2024

FROM 0.10000ml of P13404 + 99.90000ml of E3843 = 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>
1501	1000 ppb CHLORDANE SPIKE (RESTEK)	PP24081	12/16/2024	06/16/2025	Abdul Mirza	None	None	Ankita Jodhani
								12/17/2024

FROM 0.10000ml of P12600 = 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>
79	500 PPB Pesticide Spike Solution	PP24091	12/17/2024	03/11/2025	Abdul Mirza	None	None	Ankita Jodhani
								12/18/2024

FROM 95.00000ml of E3843 + 2.50000ml of PP23675 + 2.50000ml 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>
4027	Pesticide resolution Check Mixture 8081	PP24095	12/23/2024	06/16/2025	Abdul Mirza	None	None	Ankita Jodhani
FROM 1.00000ml of P13245 + 99.00000ml of E3847 = Final Quantity: 100.000 ml								

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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 #
Agela Technologies Inc.	FS0006 / Cleanert Florisil cartridge	M06518	03/25/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	06/05/2025	12/05/2024 / Rajesh	12/05/2024 / Rajesh	E3843

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	06/16/2025	12/16/2024 / Rajesh	12/13/2024 / Rajesh	E3847

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	07/17/2025	01/17/2025 / Rajesh	01/02/2025 / Rajesh	E3868

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	07/14/2025	01/14/2025 / Rajesh	12/27/2024 / Rajesh	E3871

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	32021 / Chlordane Std.	A0193299	06/16/2025	12/16/2024 / Abdul	07/03/2023 / Abdul	P12600

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	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

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

CHEMICAL RECEIPT LOG BOOK

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	06/16/2025	12/16/2024 / Abdul	05/15/2024 / Abdul	P13404



110 Benner Circle
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Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0193299

Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2029 **Storage:** 10°C or colder
Ship: Ambient

P12596
↓
P12602
⑦
Kauf
7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	---%	1,010.0 µg/mL	+/- 56.0475

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:

CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

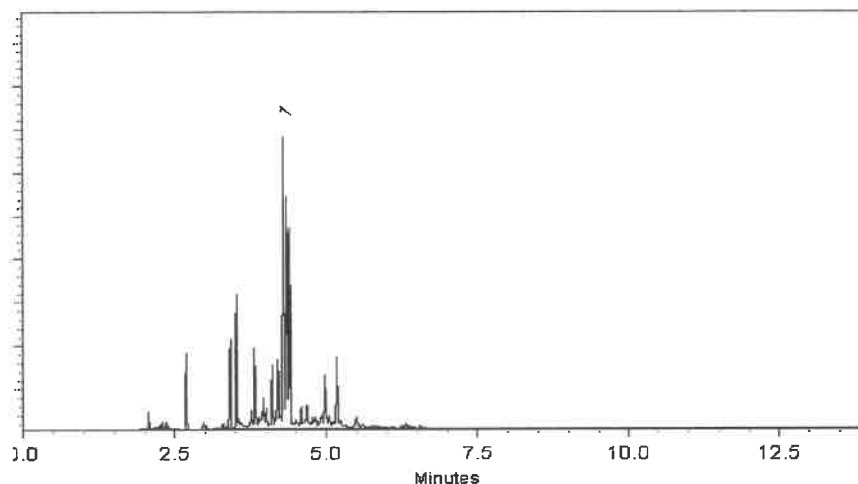
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %
COMMENTS		
QC: PhC Irma Belmares		

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

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

Cleanert Florisil

1g/6ml 30/pkg

固相萃取产品

LOT#:M06518

MFG#:F04074



CAT# FS0006

Agela Technologies

Made in China

E 3806



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

Recd. by RS on ~~11/8/24~~ 11/7/24
RS
11/7

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date: 2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 12/5/24

E 3843

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

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 12/13/24

E3847

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Production

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 ₈ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Rec'd by RP on 01/03/25

E3868

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Production

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor



Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date: 2026-01-07
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	100.0%
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	0.0
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	0.01%

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3871

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



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 Purity ----%	1,006.0 µg/mL (Lot 978545)	+/- 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)

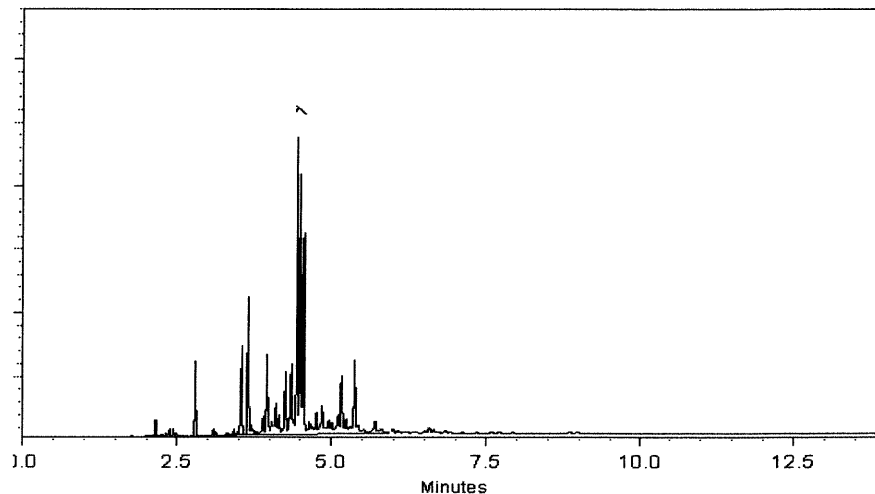
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

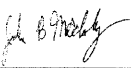
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

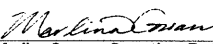


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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
 1
 5
 12/26/23

Quality Confirmation Test

Column:
 30m x .25mm x .2µm
 Rtx-CLP II (cat.# 11323)

Carrier Gas:
 helium-constant pressure 20 psi.

Temp. Program:
 150°C to 300°C
 @ 4°C/min. (hold 5 min.)

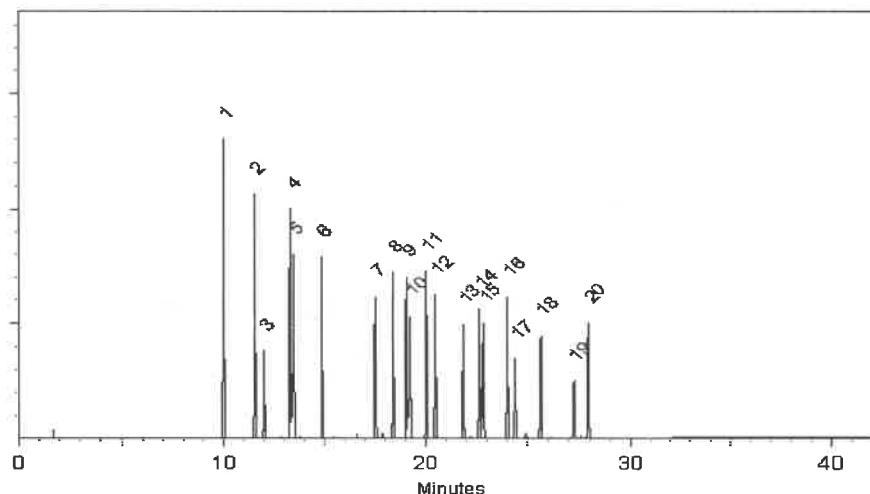
Inj. Temp:
 200°C

Det. Temp:
 300°C

Det. Type:
 ECD

Split Vent:
 Split ratio 50:1

Inj. Vol
 1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey
 Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023 **Balance Serial #** 1128360905

Jennifer Pollino
 Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **79136**
 Lot Number: **102821**
 Description: **Mirex**

Solvent(s): **Acetone**
 Lot# **81025**

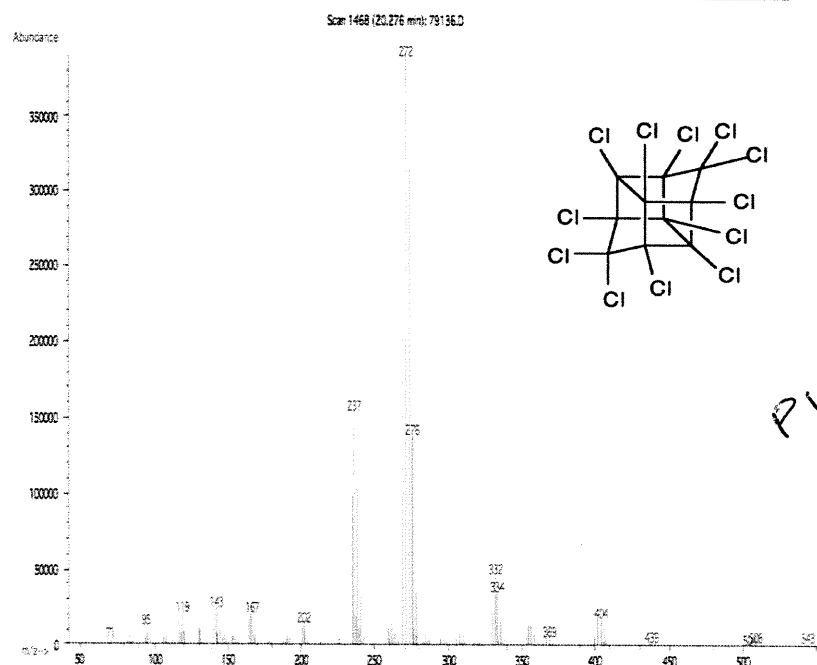
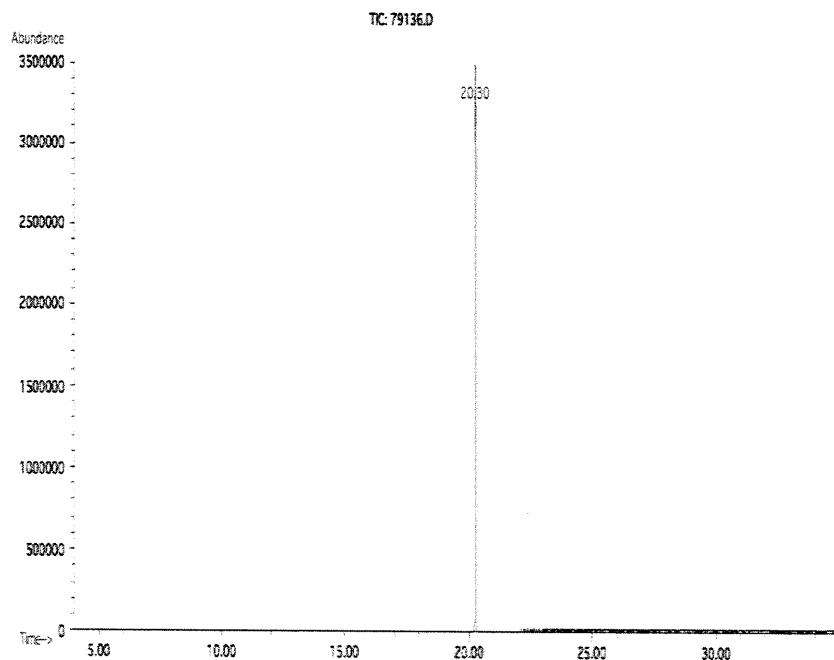
Expiration Date: **102826**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **1000**
 NIST Test ID#: **6UTB**

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.



- 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).



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2µm
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

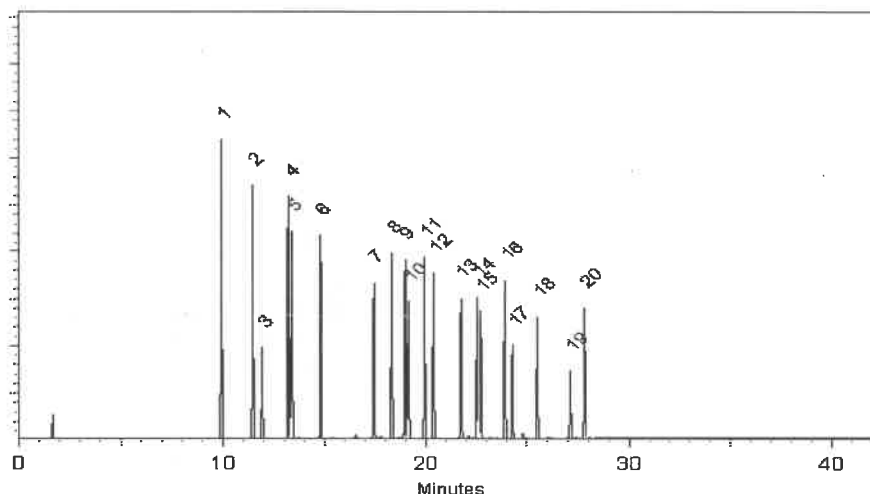
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **19161**
 Lot Number: **013124**
 Description: **CLP Pesticides & PCB's Resolution Check Standard**
 9 components
 Expiration Date: **013129**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **Varied**
 NIST Test ID#: **6UTB**
 Volume(s) shown below were combined and diluted to (mL): **100.0**

Solvent(s):
 Hexane
 Toluene

Lot#
 273615 (50%)
 28508 (50%)

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
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DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

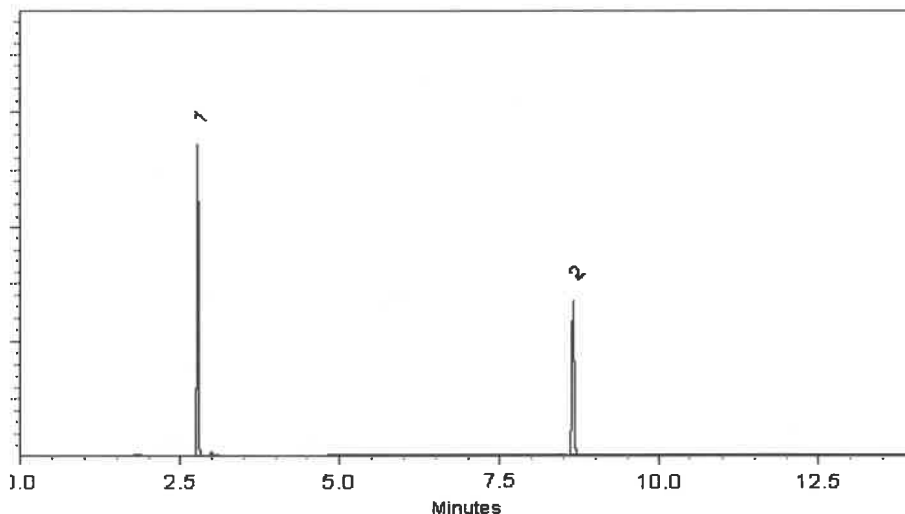
ECD

Split Vent:

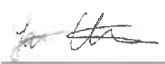
10 ml/min.

Inj. Vol

1µl

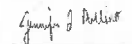


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

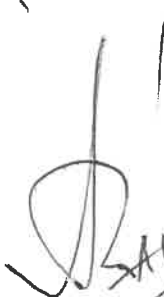
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

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P 13357
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04/25/2025



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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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)
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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:

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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:

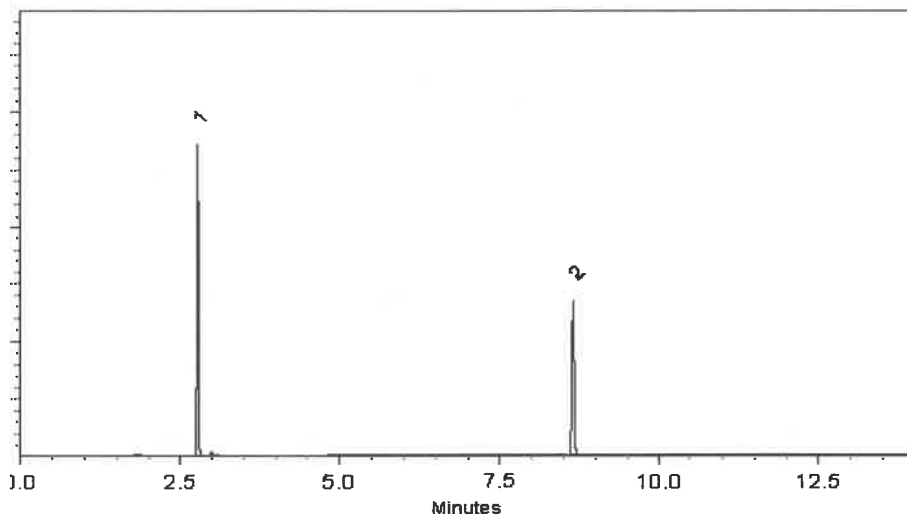
ECD

Split Vent:

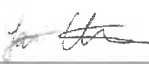
10 ml/min.

Inj. Vol

1µl

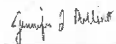


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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

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P 13357
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04/25/2025



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Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

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DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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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.

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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:

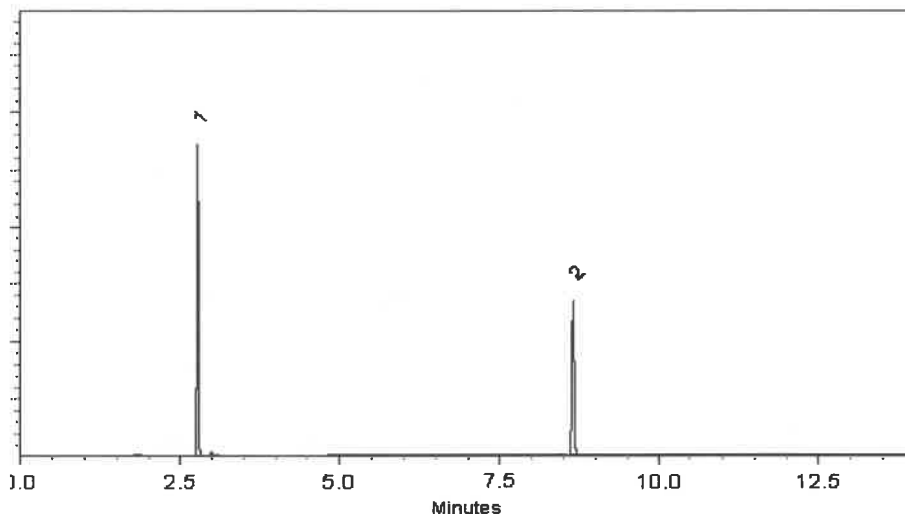
ECD

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
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

Balance Serial # 1128360905

Jennifer Pollino
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
(10)



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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
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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:

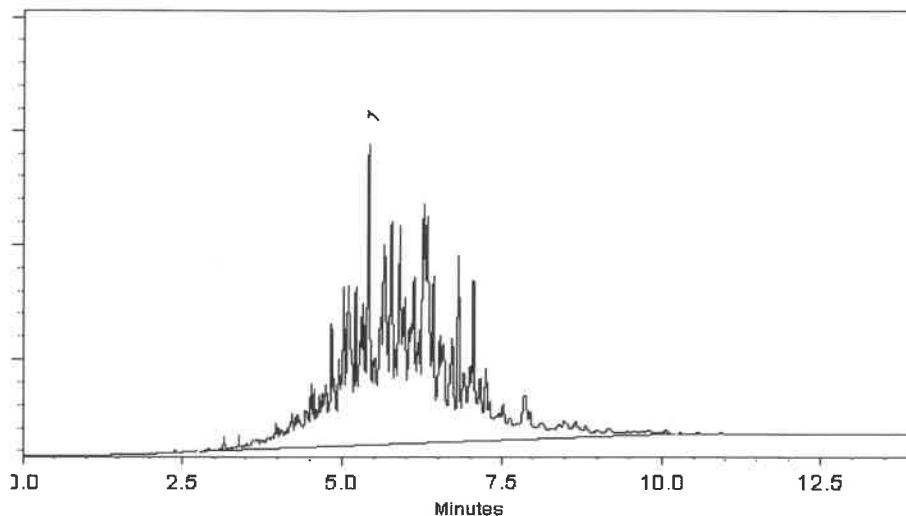
ECD

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)
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P13369
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05-06-2024



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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
5/22/2021

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:

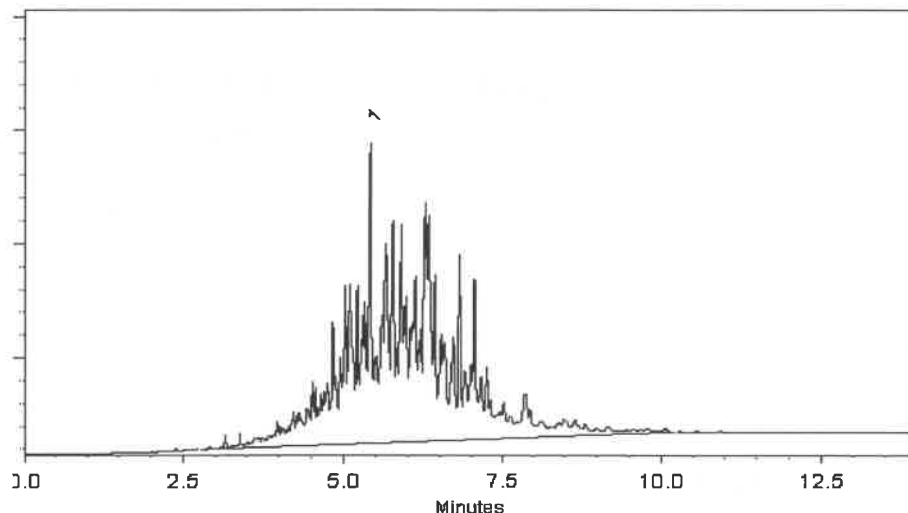
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

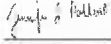


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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
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P13406 } (5)

5/22/2024



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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

P13402 } (5)
P13406 }
5/22/2021

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:

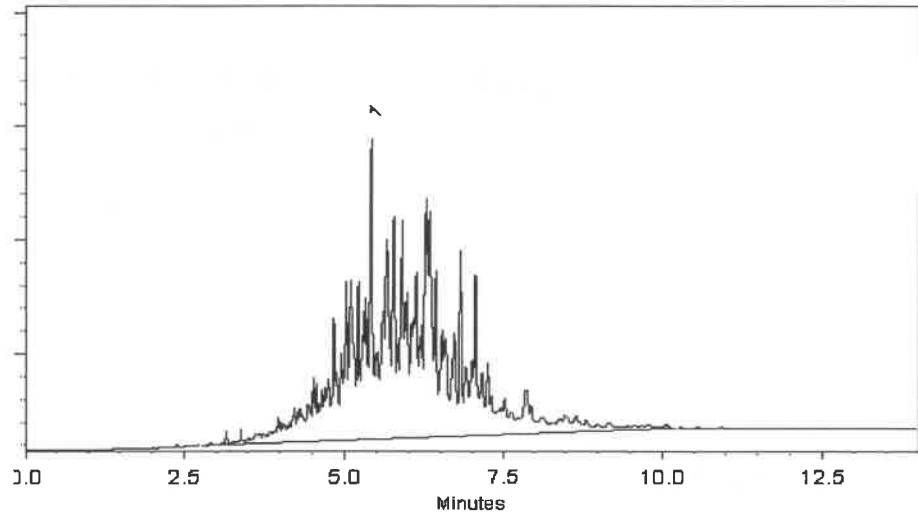
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

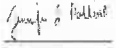


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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
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P13406 } (5)

5/22/2024



SHIPPING DOCUMENTS

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Q1109



Weston COC ID
Weston_20250115_1527

Chain of Custody Record/Lab Work Request

Page 1 of 1

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:	484-524-5665
W.O. #:		POC e-mail:	nathan.fretz@westonsolutions.com
Lab:	CHEMTECH	Lab POC:	Jordan Hedvat
TAT (days):	21	Lab Phone:	908-728-3144
Lab Address:	284 Sheffield Street Mountainside, NJ 07092		

Matrix Codes
SS - Soil
SE - Sediment
SO - Solid
SL - Sludge
GW - Groundwater
W - Water
SB - Soil Boring
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 property preserved?	Y	N
Received within holding times?	Y	N
Discrepancies between sample labels and COC record?	Y	N

Analyses Requested:	TPH-DRO by EPA 8015D	Pesticides by EPA 8081B	SVOCs by EPA 8270E	Oil & Grease by EPA 1664A	Hardness by Calc by EPA 200.7	Anions by EPA 9056A	TOC by EPA 9060A/Lloyd Kahn	TPH-GRO by EPA 8015D	VOCs by EPA 8260D	Hex Chromium by EPA 7196A	Ammonia by SM4500-NH3 B&G	TAL Metals w Hg by 6020B/7470A
Container Type:	Amber	Amber	Amber	Glass	Plastic	Plastic	Vial	Vial	Vial	Plastic	Plastic	Plastic
Container Size:	1 L	1 L	1 L	1 L	1 L	1 L	40 mL	40 mL	40 mL	500 mL	500 mL	500 mL
Preservative:	Ice to 0-6 deg C	Ice to 0-6 deg C	Ice to 0-6 deg C	H2SO4	HNO3	Ice to 0-6 deg C	H2SO4	HCL	HCL	Ammonium Sulfate	H2SO4	HNO3

#	Sample ID	G/C	Matrix	# Cont	MS/MSD	Date Collected	Time Collected											Special Instructions/Comments
1	TAPIAL1-MW04I-011525-00-T3	g	GW	4	no	1/15/2025	12:20					X		X			X	
2	TAPIAL1-MW04S-011525-00-T2	g	GW	19	no	1/15/2025	12:20	X	X	X	X	X	X	X	X	X	X	
3	TAP-TB-01-011525	g	W	2	no	1/15/2025	15:35							X				
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

Shipping Airbill Number:	771460519011, 771460519022		Temp 2.2°C		Cooler Number:	1 + 2	of	2
Relinquished By:	Date	Time	Received By:	Date	Time	Additional Comments		
1.) <i>Chyr Hyl</i>	1/15/25	1700	<i>[Signature]</i>	1-16-25	0932	QSM 6.0 Compliant		
2.)						Deliverable Requirements: DoD Level IV report, EnviroData EDD, and ERIS-compatible EDD		
3.)								

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1109	WEST04	Order Date : 1/16/2025 11:32:00 AM	Project Mgr :
Client Name : Weston Solutions		Project Name : Ft Meade Tipton Airfield Pa	Report Type : Level 4
Client Contact : Nathan Fretz		Receive DateTime : 1/16/2025 9:32:00 AM	EDD Type : SEDD 2A
Invoice Name : Weston Solutions		Purchase Order :	Hard Copy Date :
Invoice Contact : Nathan Fretz			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1109-02	TAPIAL1-MW04S-011525-00-T2	Water	01/15/2025	12:20	Gasoline Range Organics		8015D		10 Bus. Days

Relinquished By :

Date / Time :


1-16-25 1315

Received By :

Date / Time :


1-16-25 2:40 PM

Storage Area : VOA Refridgerator Room

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1109	WEST04	Order Date : 1/16/2025 11:32:00 AM	Project Mgr :
Client Name : Weston Solutions		Project Name : Ft Meade Tipton Airfield Pa	Report Type : Level 4
Client Contact : Nathan Fretz		Receive DateTime : 1/16/2025 9:32:00 AM	EDD Type : SEDD 2A
Invoice Name : Weston Solutions		Purchase Order :	Hard Copy Date :
Invoice Contact : Nathan Fretz			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1109-02	TAPIAL1-MW04S-011525-00-T2	Water	01/15/2025	12:20					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1109-04	TAP-TB-01-011525	Water	01/15/2025	15:35					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

*Stored in VOA
Ref #05*

Relinquished By :

Date / Time : 12-16-25 13:15

Received By :

Date / Time :

Storage Area : VOA Refridgerator Room

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 #

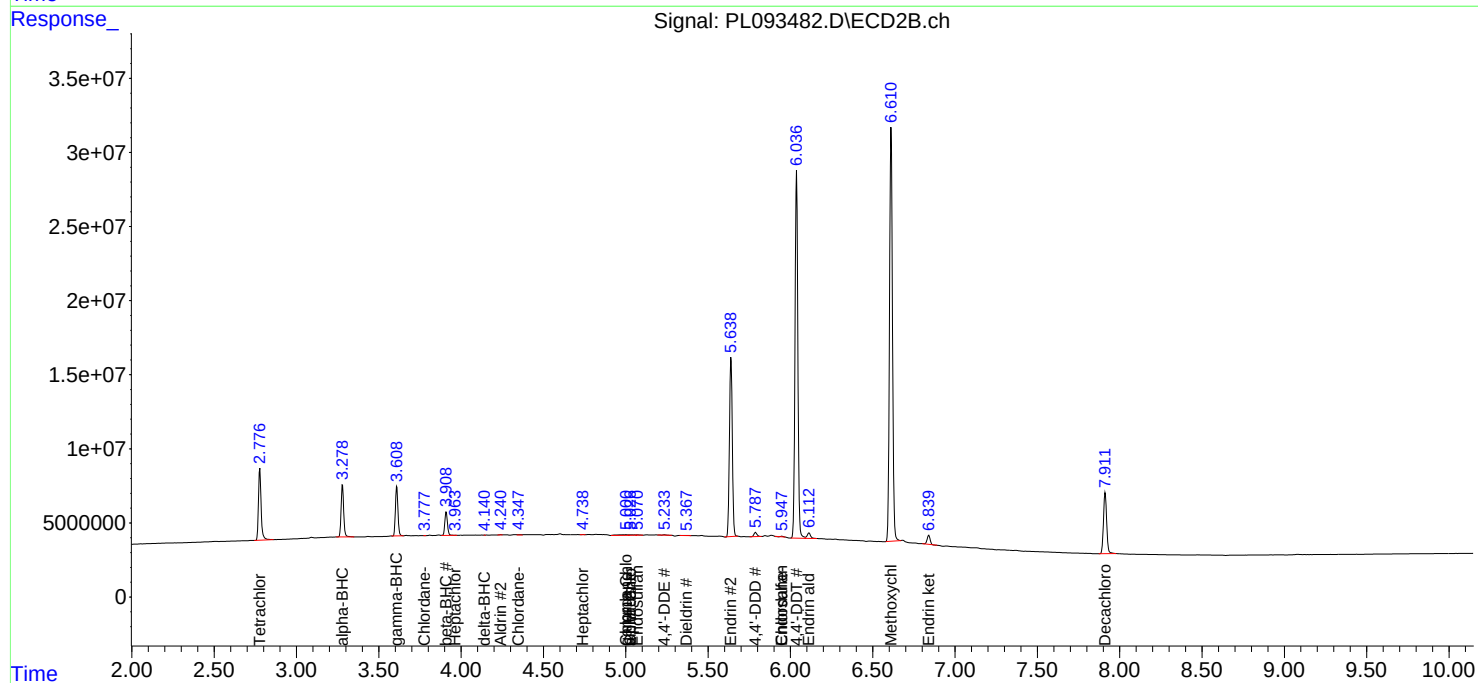
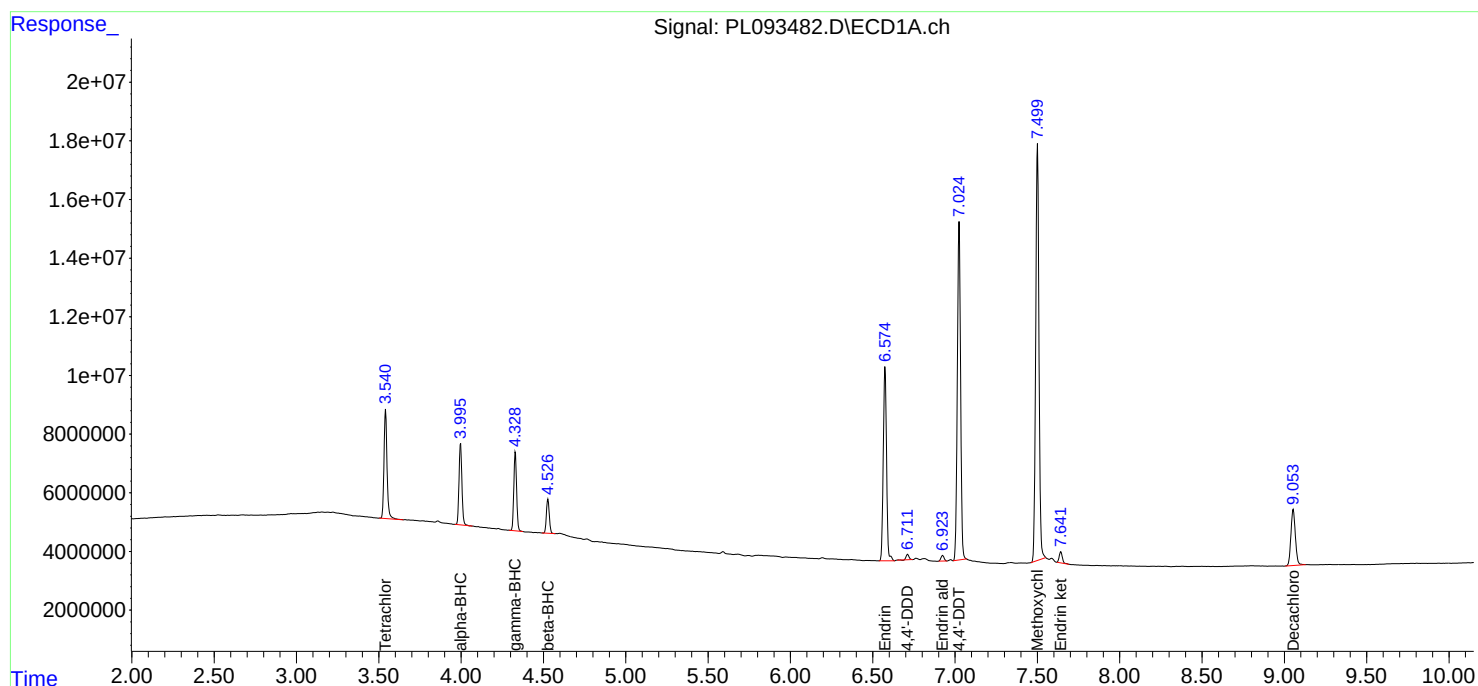
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

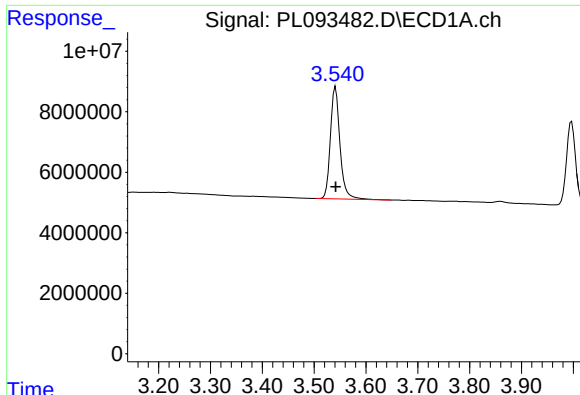
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL122324\
Data File : PL093482.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Dec 2024 12:47
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

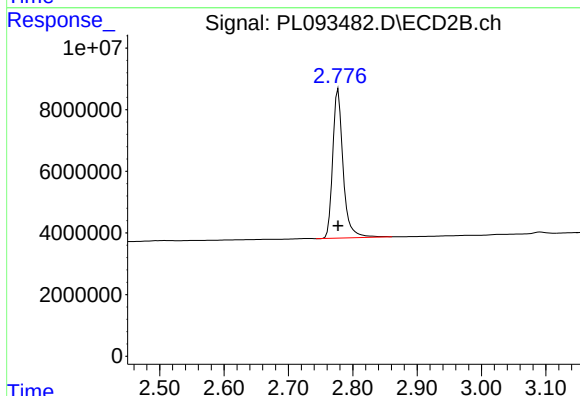




#1 Tetrachloro-m-xylene

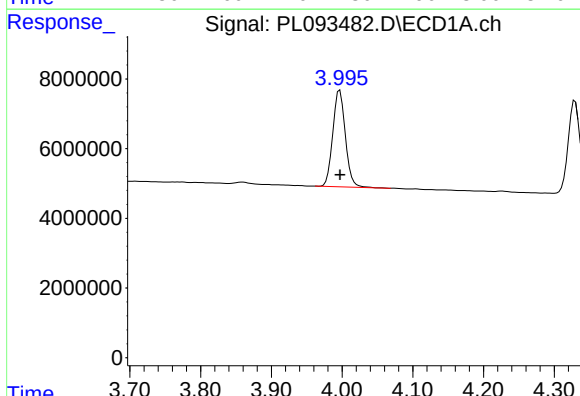
R.T.: 3.541 min
Delta R.T.: 0.000 min
Response: 47536002
Conc: 19.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



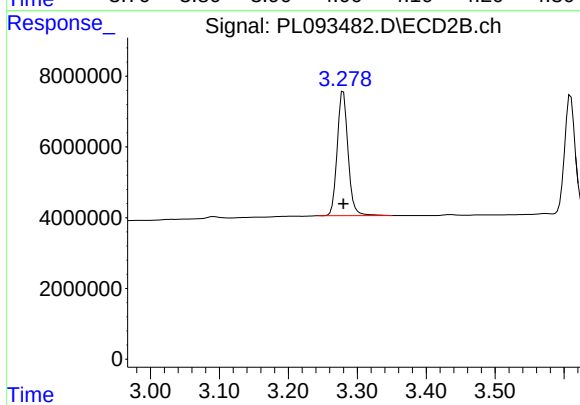
#1 Tetrachloro-m-xylene

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



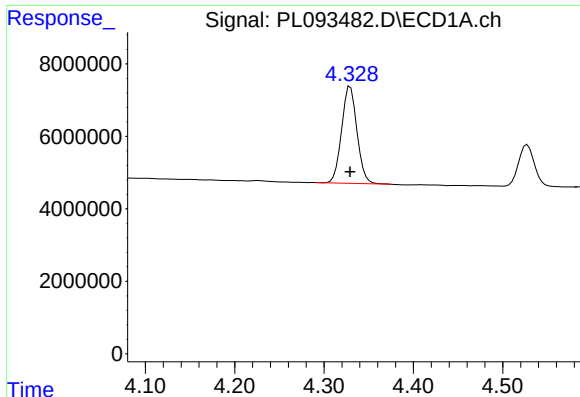
#2 alpha-BHC

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



#2 alpha-BHC

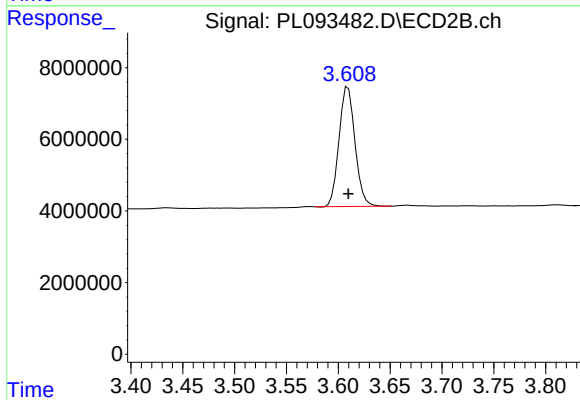
R.T.: 3.280 min
Delta R.T.: 0.000 min
Response: 38465322
Conc: 8.85 ng/ml



#3 gamma-BHC (Lindane)

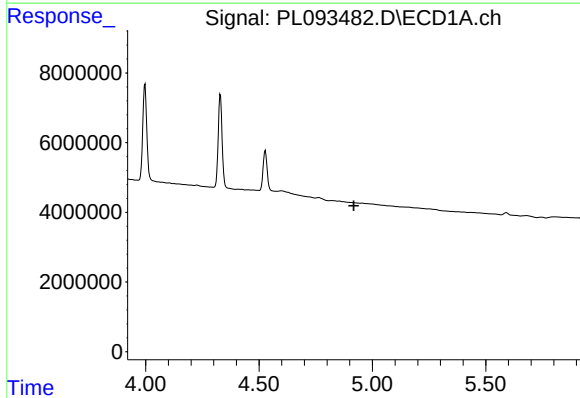
R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 31887544
Conc: 9.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



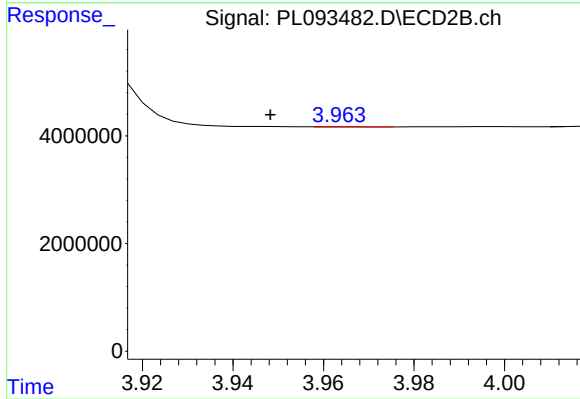
#3 gamma-BHC (Lindane)

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



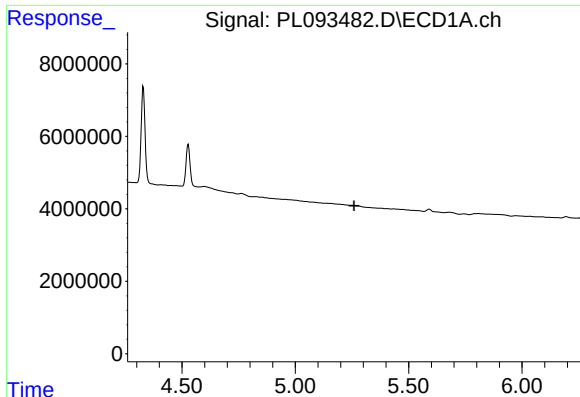
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.918 min
Response: 0
Conc: N.D.



#4 Heptachlor

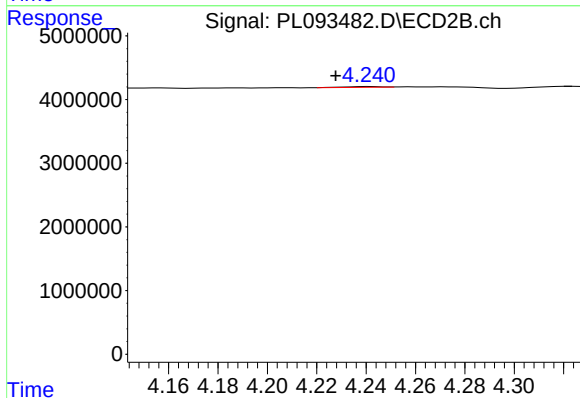
R.T.: 3.964 min
Delta R.T.: 0.016 min
Response: 46510
Conc: 0.01 ng/ml



#5 Aldrin

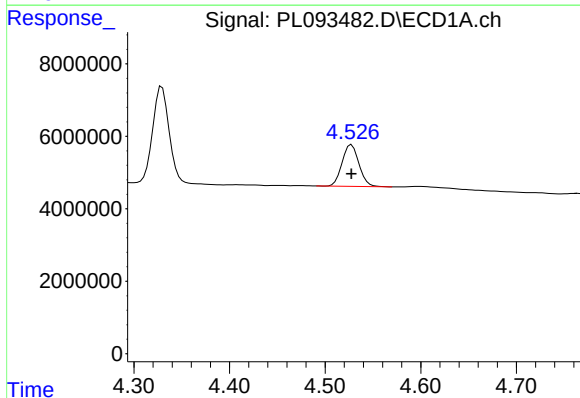
R.T.: 0.000 min
Exp R.T.: 5.259 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



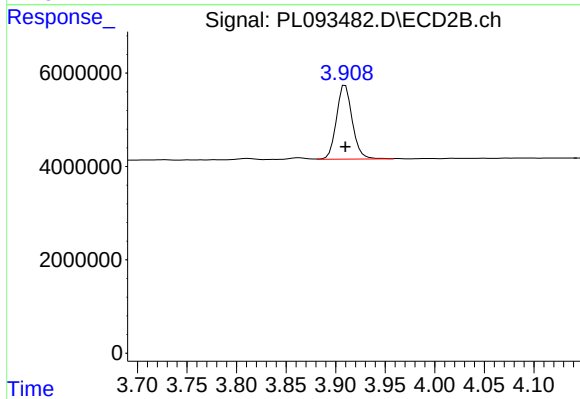
#5 Aldrin

R.T.: 4.242 min
Delta R.T.: 0.014 min
Response: 129006
Conc: 0.03 ng/ml



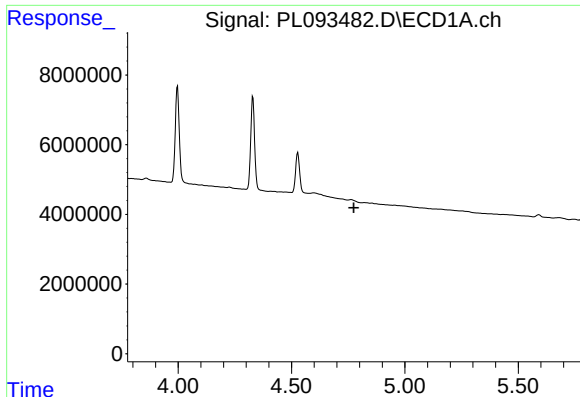
#6 beta-BHC

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



#6 beta-BHC

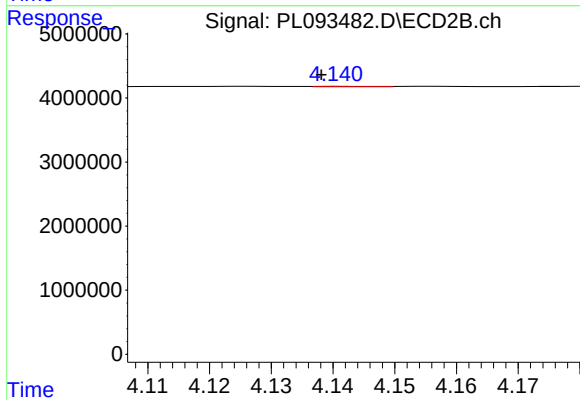
R.T.: 3.910 min
Delta R.T.: 0.000 min
Response: 17662036
Conc: 9.83 ng/ml



#7 delta-BHC

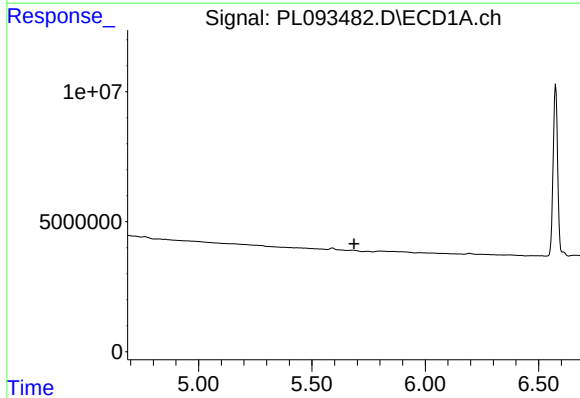
R.T.: 0.000 min
Exp R.T. : 4.775 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



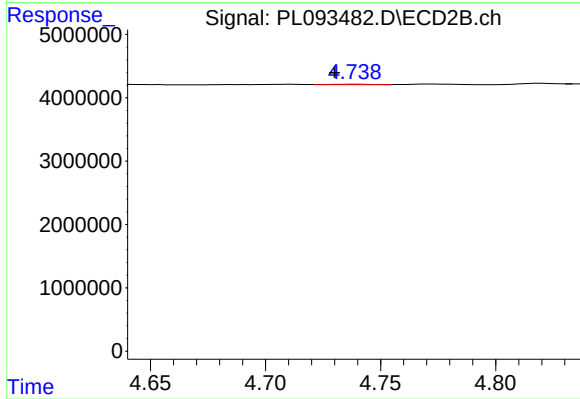
#7 delta-BHC

R.T.: 4.142 min
Delta R.T.: 0.004 min
Response: 38220
Conc: 0.01 ng/ml



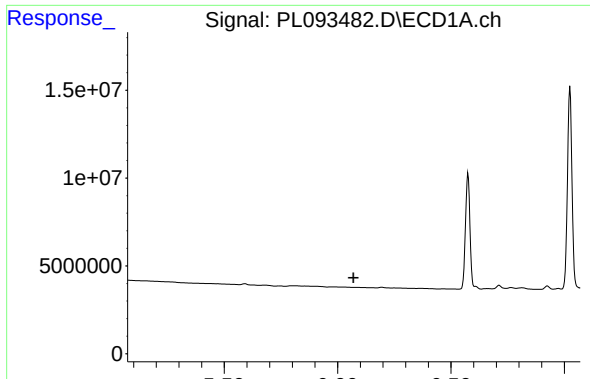
#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 5.686 min
Response: 0
Conc: N.D.



#8 Heptachlor epoxide

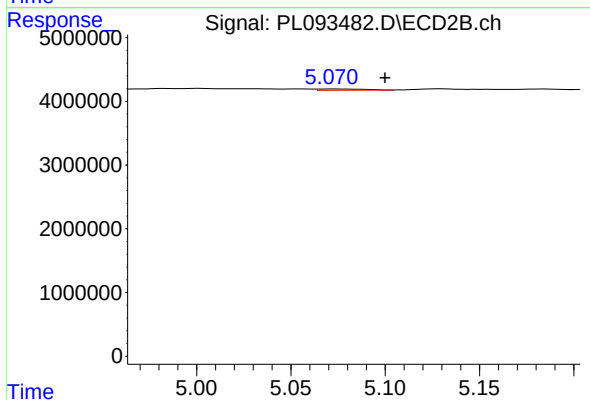
R.T.: 4.740 min
Delta R.T.: 0.010 min
Response: 53750
Conc: 0.01 ng/ml



#9 Endosulfan I

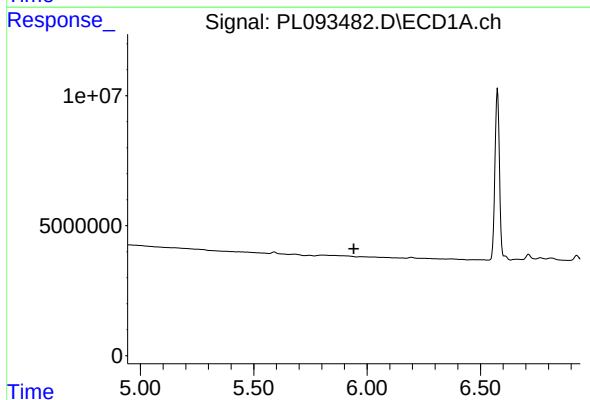
R.T.: 0.000 min
Exp R.T.: 6.071 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



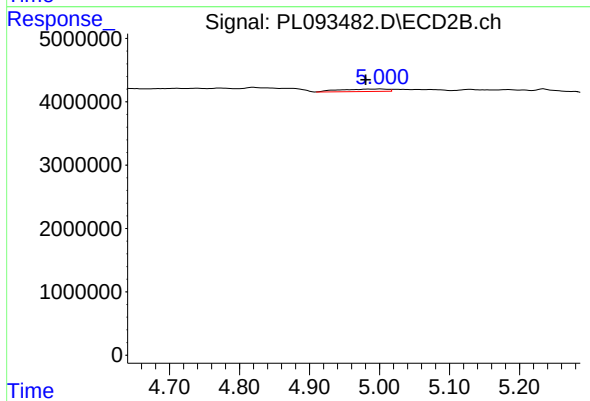
#9 Endosulfan I

R.T.: 5.073 min
Delta R.T.: -0.027 min
Response: 330039
Conc: 0.09 ng/ml



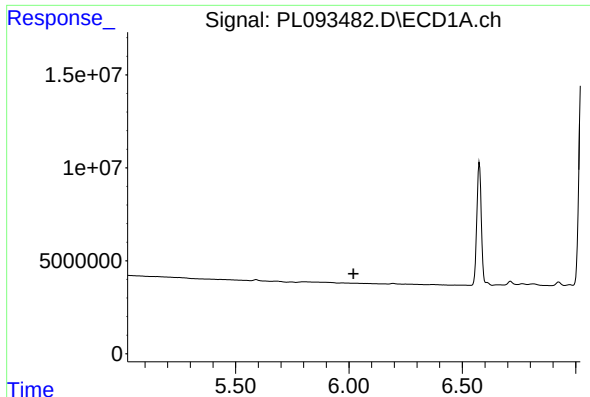
#10 gamma-Chlordane

R.T.: 0.000 min
Exp R.T.: 5.941 min
Response: 0
Conc: N.D.



#10 gamma-Chlordane

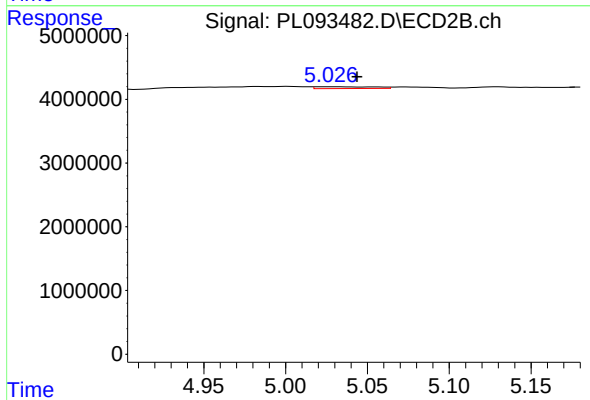
R.T.: 5.001 min
Delta R.T.: 0.021 min
Response: 1854302
Conc: 0.48 ng/ml



#11 alpha-Chlordane

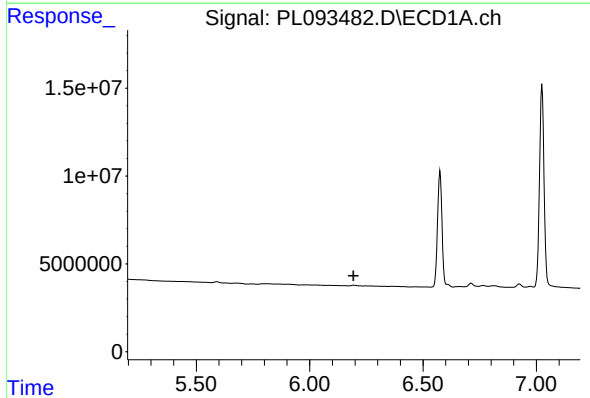
R.T.: 0.000 min
Exp R.T.: 6.020 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



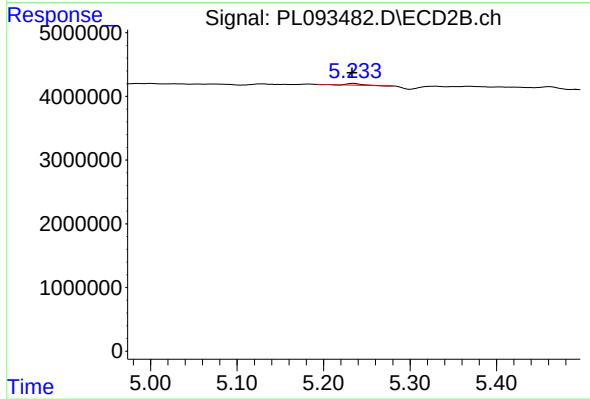
#11 alpha-Chlordane

R.T.: 5.025 min
Delta R.T.: -0.019 min
Response: 698975
Conc: 0.18 ng/ml



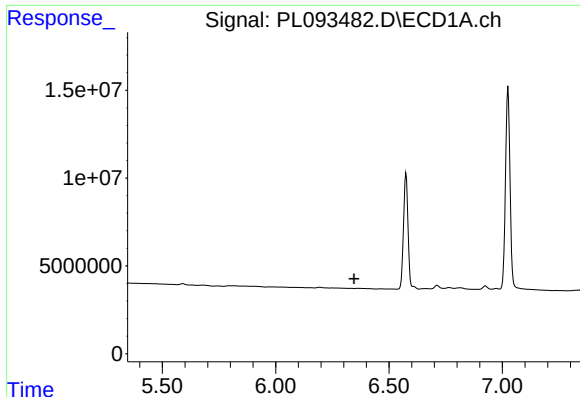
#12 4,4'-DDE

R.T.: 0.000 min
Exp R.T.: 6.194 min
Response: 0
Conc: N.D.



#12 4,4'-DDE

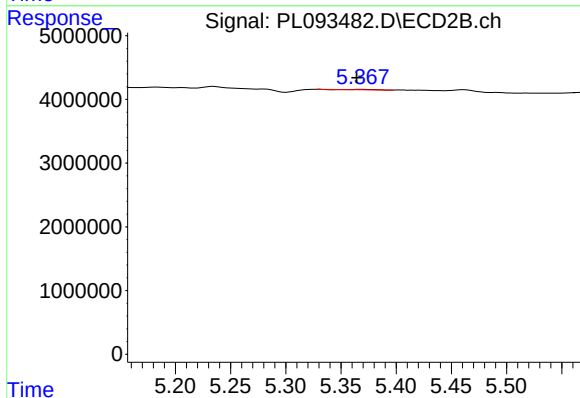
R.T.: 5.234 min
Delta R.T.: 0.001 min
Response: 304886
Conc: 0.08 ng/ml



#13 Dieldrin

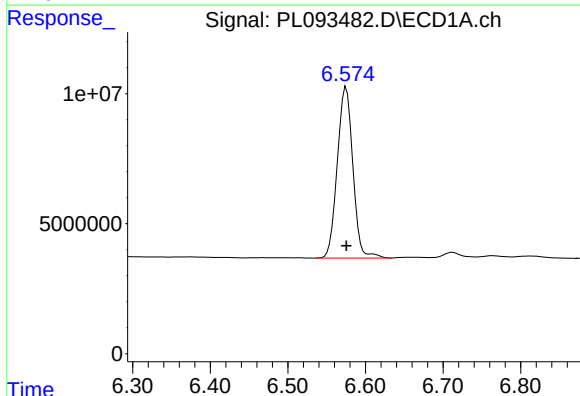
R.T.: 0.000 min
Exp R.T.: 6.346 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



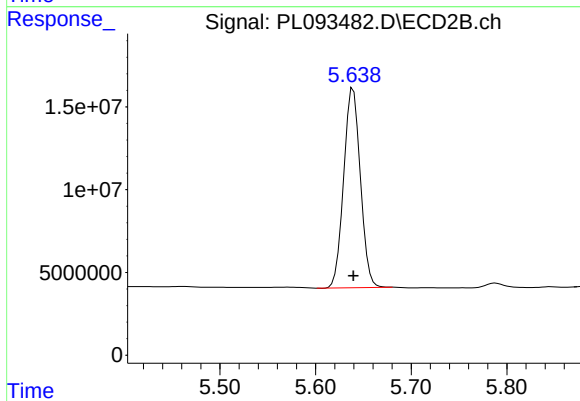
#13 Dieldrin

R.T.: 5.369 min
Delta R.T.: 0.005 min
Response: 87404
Conc: 0.02 ng/ml



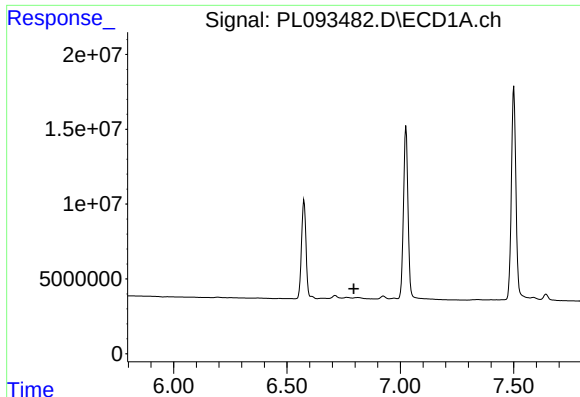
#14 Endrin

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



#14 Endrin

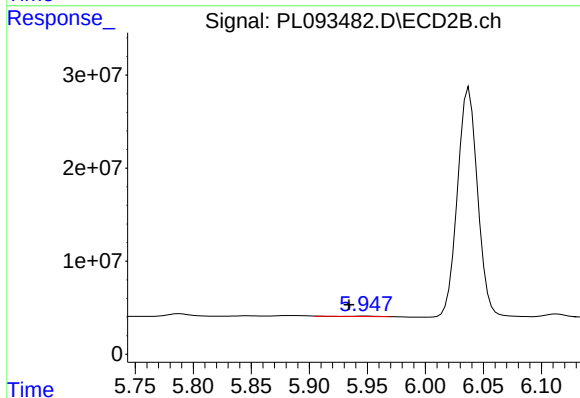
R.T.: 5.639 min
Delta R.T.: 0.000 min
Response: 146742127
Conc: 44.36 ng/ml



#15 Endosulfan II

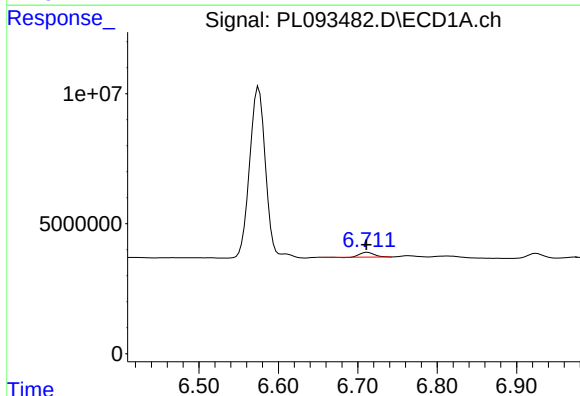
R.T.: 0.000 min
Exp R.T.: 6.795 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



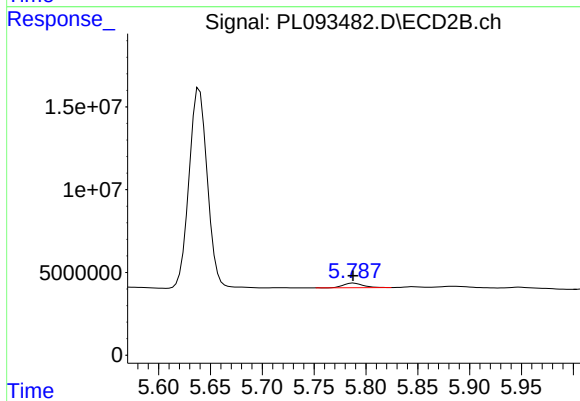
#15 Endosulfan II

R.T.: 5.948 min
Delta R.T.: 0.014 min
Response: 424676
Conc: 0.13 ng/ml



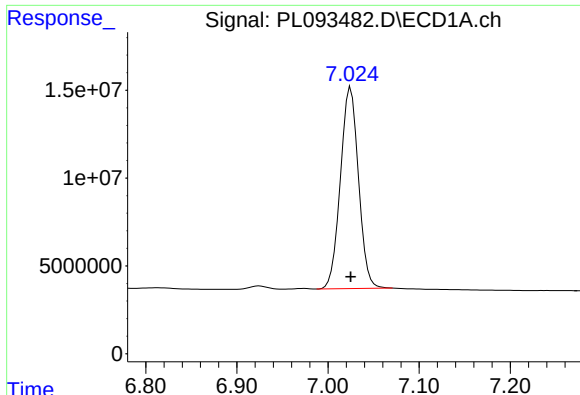
#16 4,4'-DDD

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



#16 4,4'-DDD

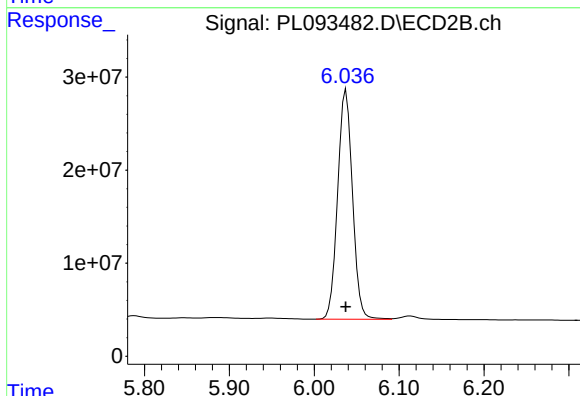
R.T.: 5.788 min
Delta R.T.: 0.000 min
Response: 3587757
Conc: 1.27 ng/ml



#17 4,4'-DDT

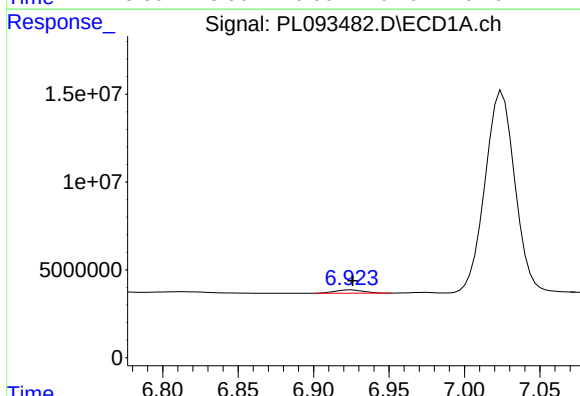
R.T.: 7.025 min
Delta R.T.: 0.000 min
Response: 157953498
Conc: 85.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



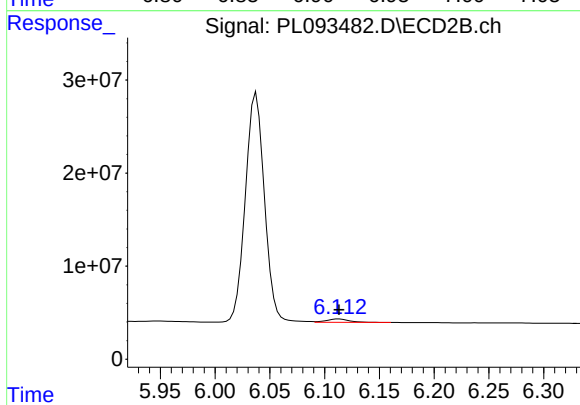
#17 4,4'-DDT

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



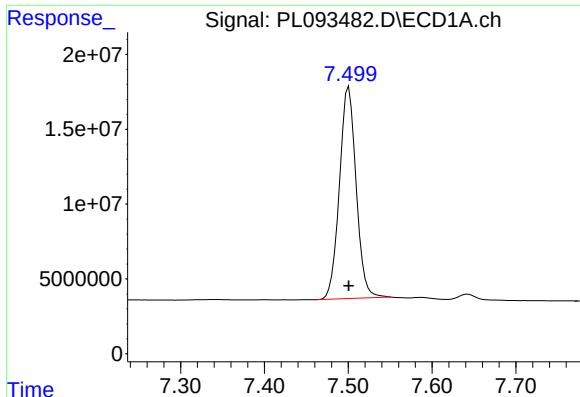
#18 Endrin aldehyde

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



#18 Endrin aldehyde

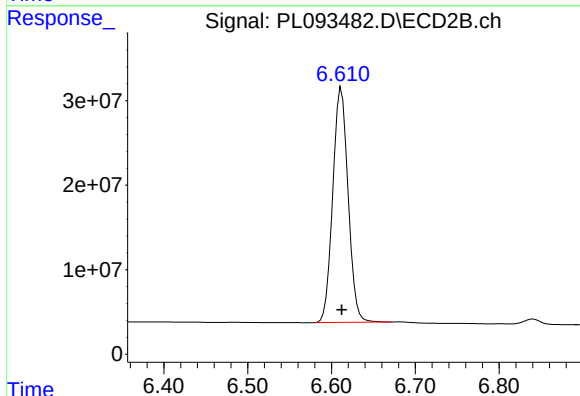
R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 5257887
Conc: 1.95 ng/ml



#20 Methoxychlor

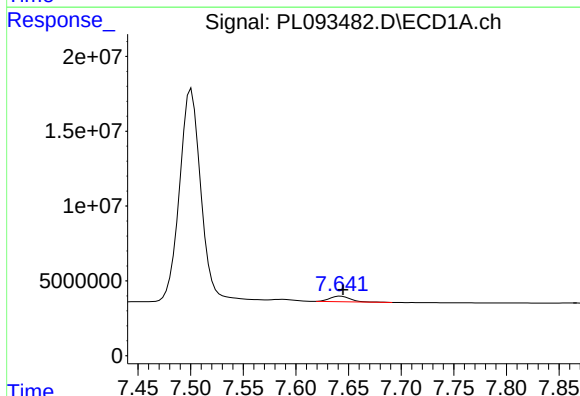
R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 195906432
Conc: 195.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



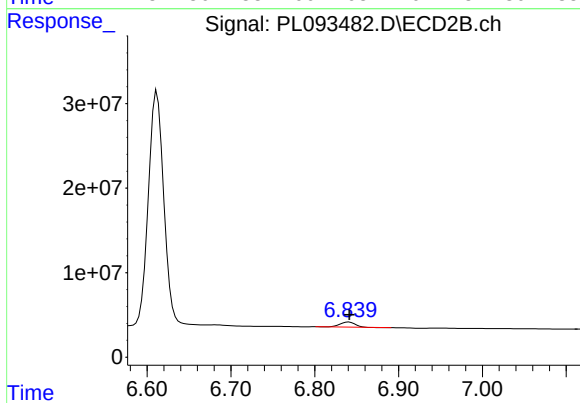
#20 Methoxychlor

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



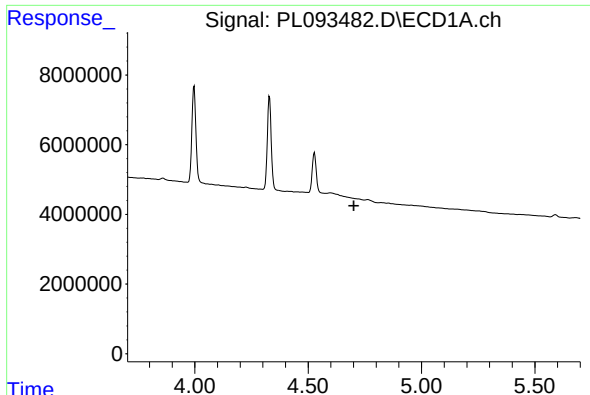
#21 Endrin ketone

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



#21 Endrin ketone

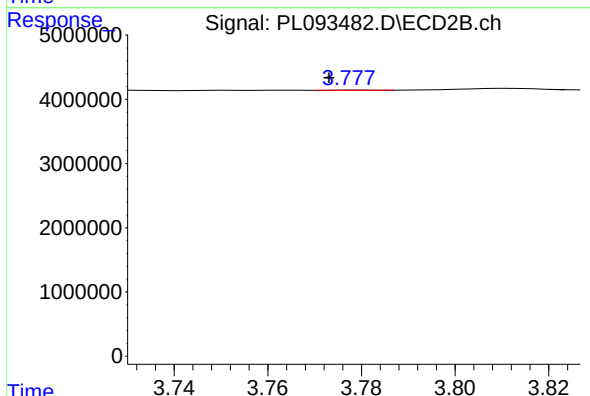
R.T.: 6.841 min
Delta R.T.: -0.001 min
Response: 7518202
Conc: 2.07 ng/ml



#23 Chlordane-1

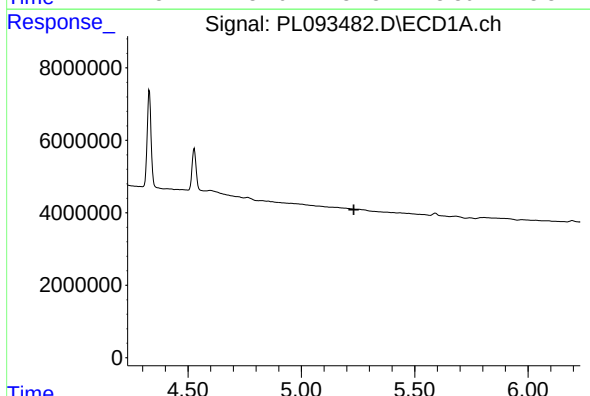
R.T.: 0.000 min
Exp R.T.: 4.702 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



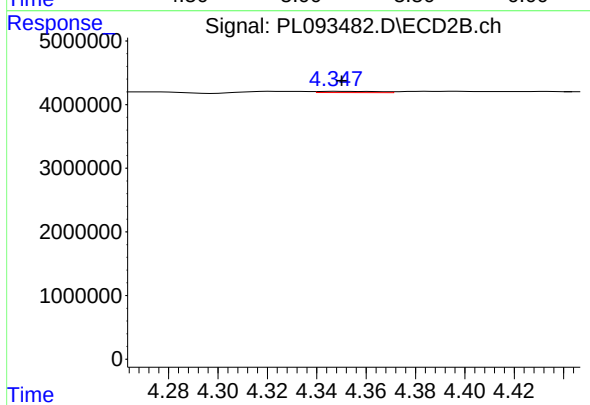
#23 Chlordane-1

R.T.: 3.779 min
Delta R.T.: 0.006 min
Response: 28144
Conc: 0.23 ng/ml



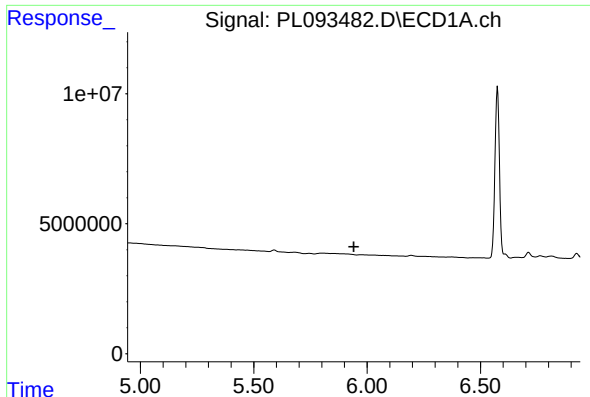
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T.: 5.231 min
Response: 0
Conc: N.D.



#24 Chlordane-2

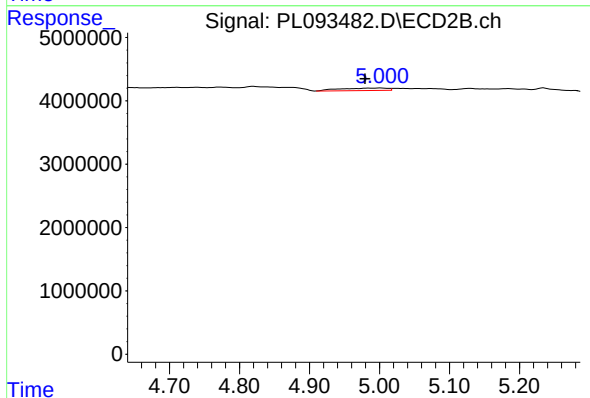
R.T.: 4.348 min
Delta R.T.: -0.002 min
Response: 315071
Conc: 2.27 ng/ml



#25 Chlordane-3

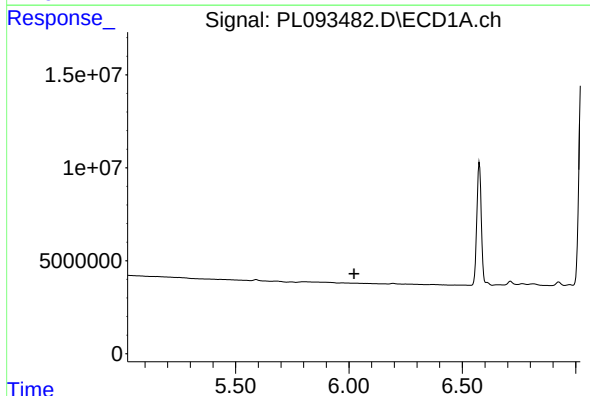
R.T.: 0.000 min
Exp R.T.: 5.941 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



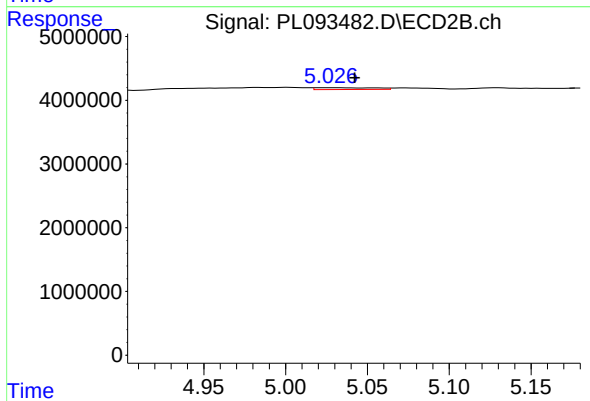
#25 Chlordane-3

R.T.: 5.001 min
Delta R.T.: 0.022 min
Response: 1854302
Conc: 4.37 ng/ml



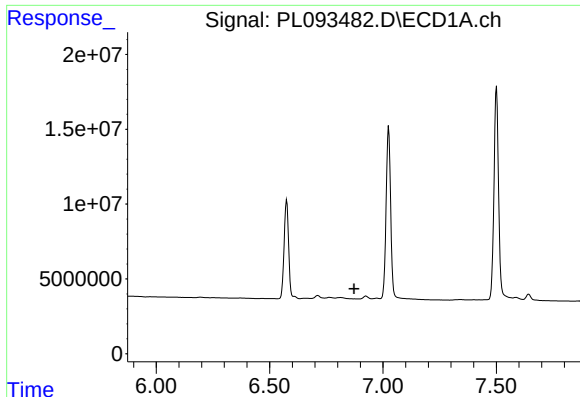
#26 Chlordane-4

R.T.: 0.000 min
Exp R.T.: 6.023 min
Response: 0
Conc: N.D.



#26 Chlordane-4

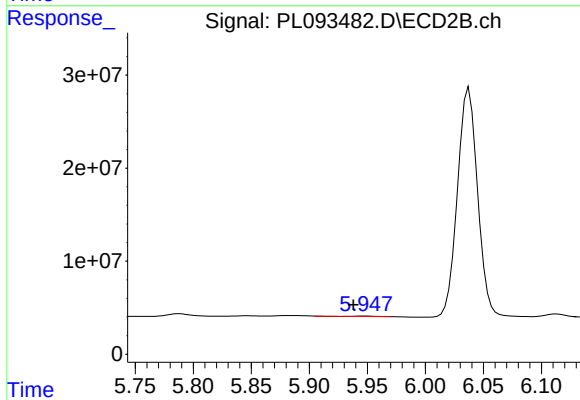
R.T.: 5.025 min
Delta R.T.: -0.017 min
Response: 698975
Conc: 1.70 ng/ml



#27 Chlordane-5

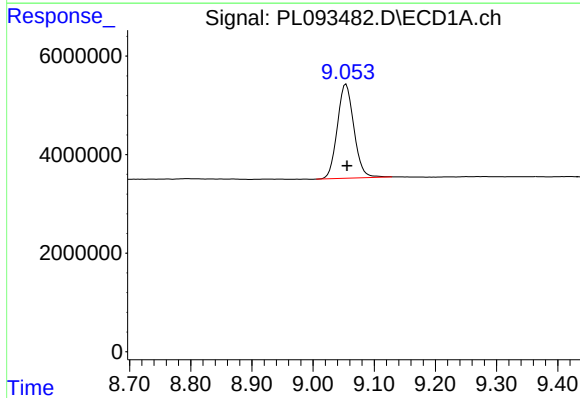
R.T.: 0.000 min
Exp R.T.: 6.872 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



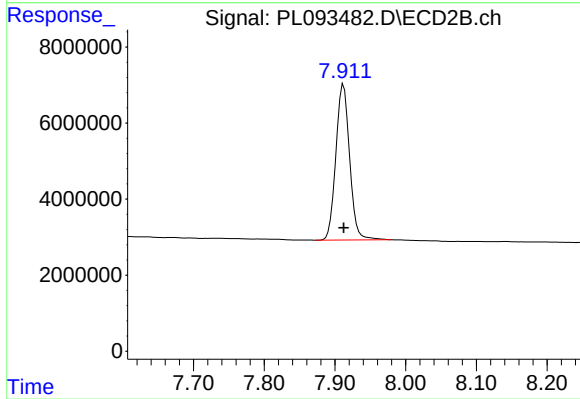
#27 Chlordane-5

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\PL012025\
 Data File : PL093695.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Jan 2025 09:05
 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: Jan 20 12:13:46 2025
 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	57422172	66266843	23.194	22.763
28)	SA Decachlor...	9.055	7.911	40926875	61347914	22.134	20.546
Target Compounds							
2)	A alpha-BHC	3.995	3.277	41567461	47360345	12.040	10.895
3)	MA gamma-BHC...	4.328	3.608	39590599	44586631	12.072	10.567
5)	MB Aldrin	0.000	4.240	0	127692	N.D.	0.031 #
6)	B beta-BHC	4.526	3.908	18457493	22043582	12.804	12.264
7)	B delta-BHC	0.000	4.134	0	169803	N.D.	0.040 #
8)	B Heptachlo...	0.000	4.748f	0	45689	N.D.	0.012 #
9)	A Endosulfan I	0.000	5.095	0	227379	N.D.	0.065 #
10)	B gamma-Chl...	0.000	4.986	0	1476645	N.D.	0.383 #
11)	B alpha-Chl...	0.000	5.055	0	268756	N.D.	0.071 #
12)	B 4,4'-DDE	0.000	5.232	0	565345	N.D.	0.154 #
13)	MA Dieldrin	0.000	5.345f	0	60380	N.D.	0.016 #
14)	MA Endrin	6.574	5.637	102.4E6	172.7E6	47.583	52.206
15)	B Endosulfa...	0.000	5.945	0	898966	N.D.	0.277 #
16)	A 4,4'-DDD	6.711	5.785	6210510	7142599	3.537	2.524 #
17)	MA 4,4'-DDT	7.024	6.036	185.2E6	341.0E6	100.196	112.912
18)	B Endrin al...	6.925	6.111	3784031	6236511	2.132	2.316
19)	B Endosulfa...	0.000	6.319f	0	202042	N.D.	0.064 #
20)	A Methoxychlor	7.500	6.610	228.6E6	375.6E6	228.708	233.336
21)	B Endrin ke...	7.644	6.839	7171333	11441693	3.196	3.143
24)	Chlordane-2	0.000	4.349	0	76087	N.D.	0.548 #
25)	Chlordane-3	0.000	4.986	0	1476645	N.D.	3.480 #
26)	Chlordane-4	0.000	5.055	0	268756	N.D.	0.653 #
27)	Chlordane-5	0.000	5.945	0	898966	N.D.	6.752 #

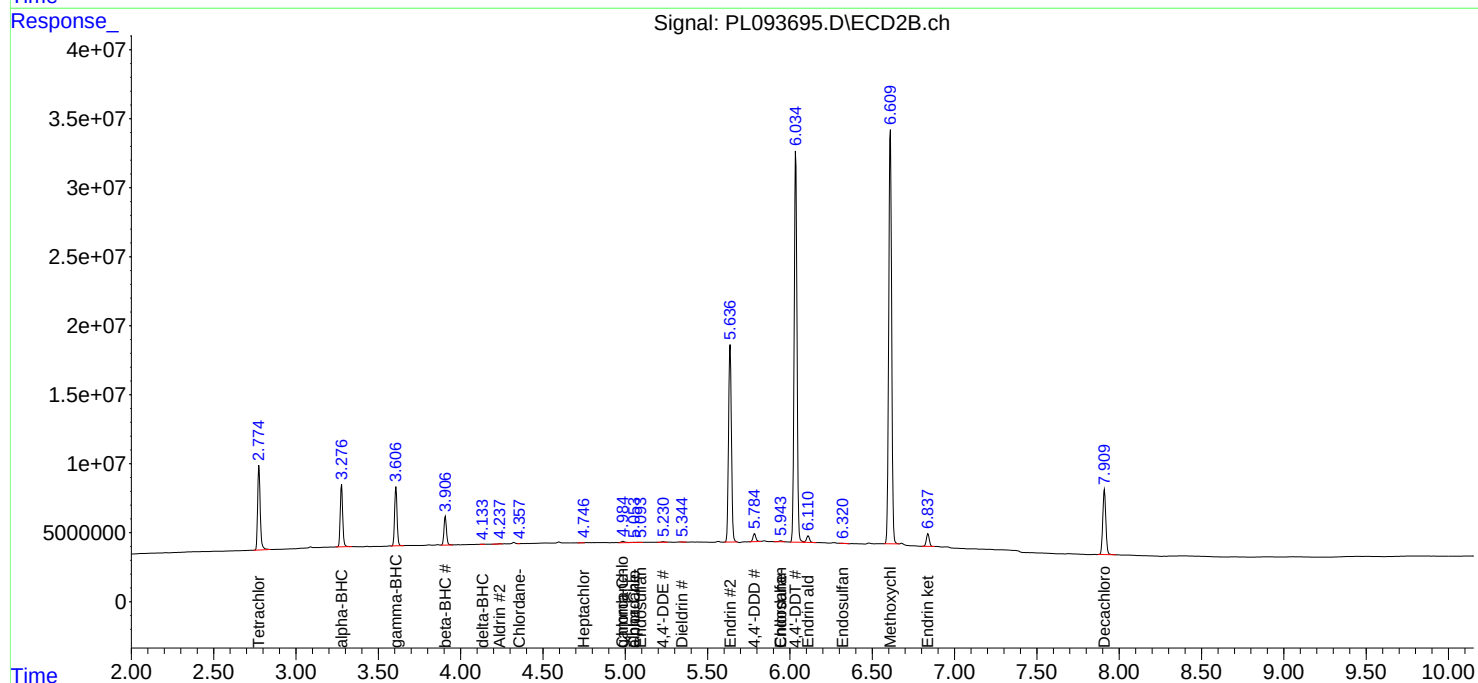
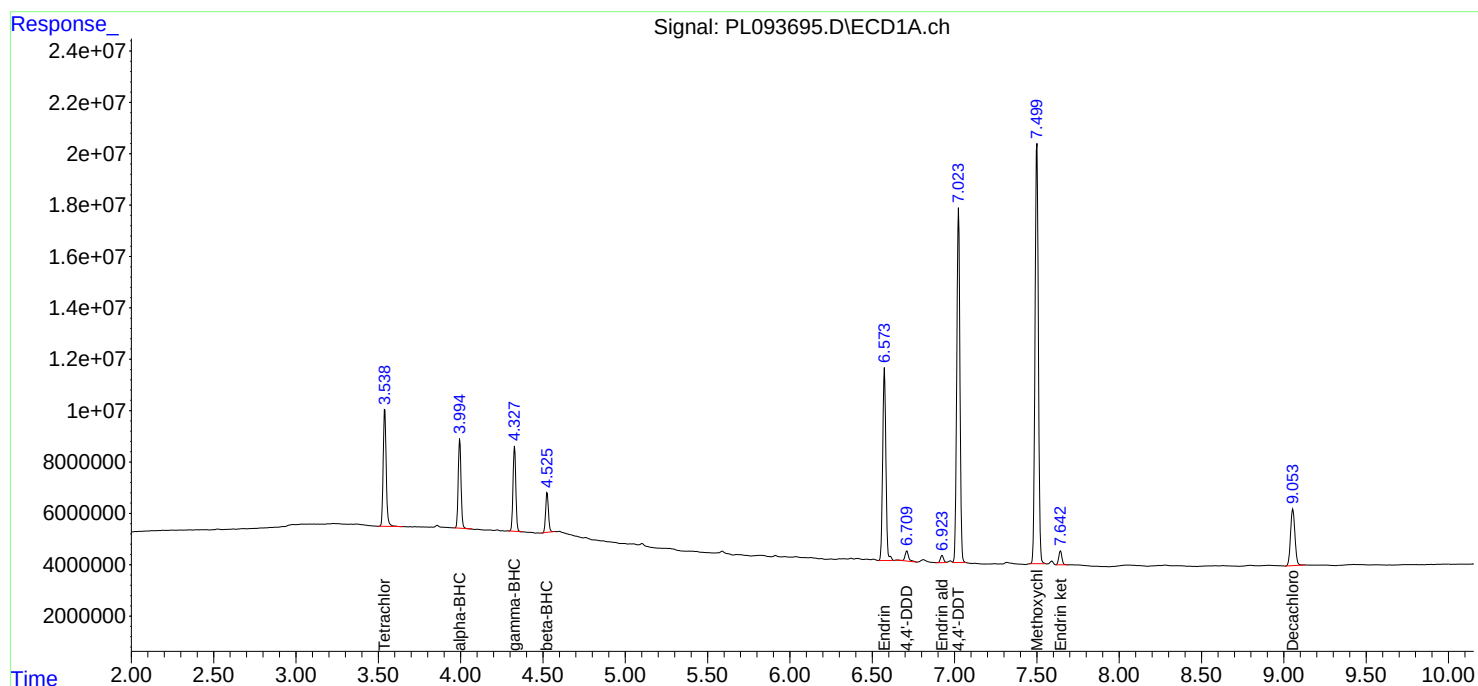
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

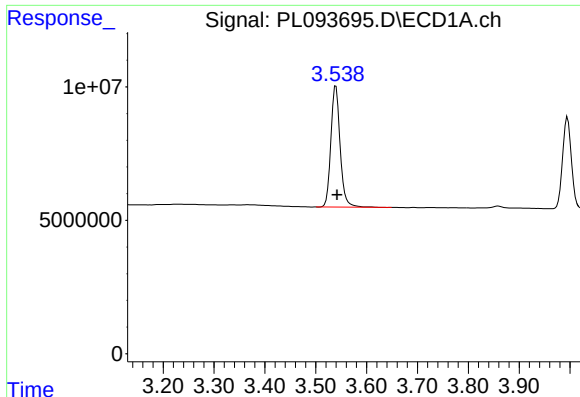
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012025\
Data File : PL093695.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Jan 2025 09:05
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 20 12:13:46 2025
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

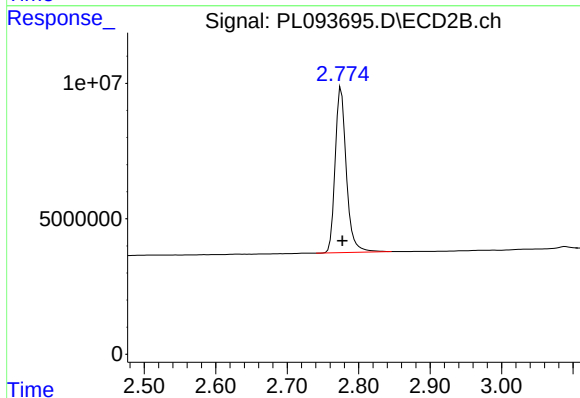




#1 Tetrachloro-m-xylene

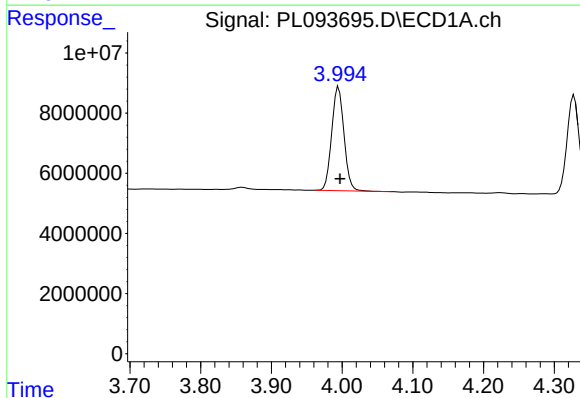
R.T.: 3.540 min
Delta R.T.: -0.002 min
Response: 57422172
Conc: 23.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



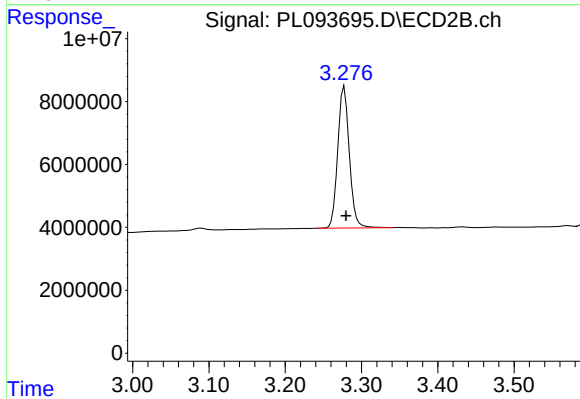
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.002 min
Response: 66266843
Conc: 22.76 ng/ml



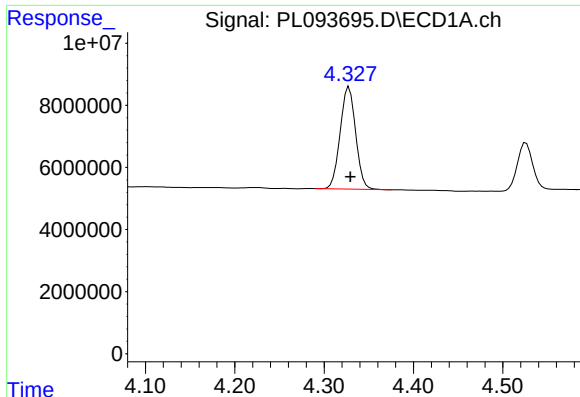
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: -0.002 min
Response: 41567461
Conc: 12.04 ng/ml



#2 alpha-BHC

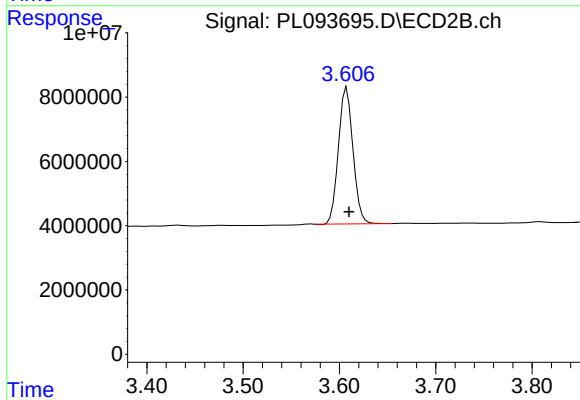
R.T.: 3.277 min
Delta R.T.: -0.002 min
Response: 47360345
Conc: 10.90 ng/ml



#3 gamma-BHC (Lindane)

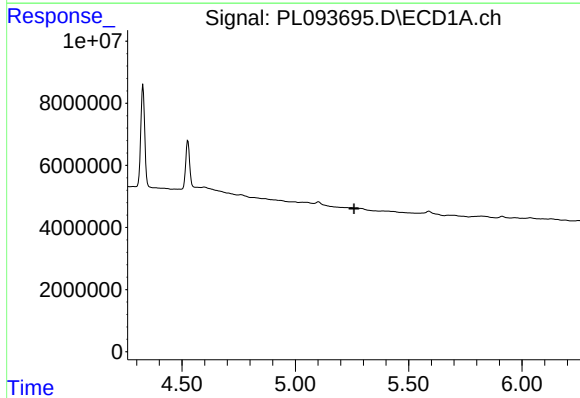
R.T.: 4.328 min
Delta R.T.: -0.001 min
Response: 39590599
Conc: 12.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



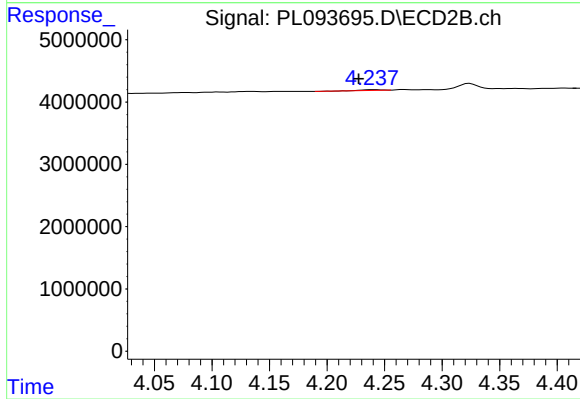
#3 gamma-BHC (Lindane)

R.T.: 3.608 min
Delta R.T.: -0.002 min
Response: 44586631
Conc: 10.57 ng/ml



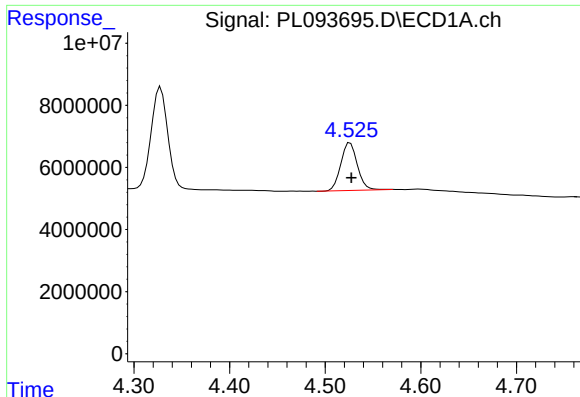
#5 Aldrin

R.T.: 0.000 min
Exp R.T. : 5.259 min
Response: 0
Conc: N.D.



#5 Aldrin

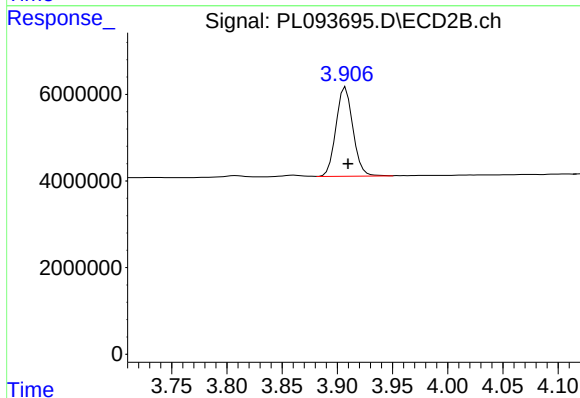
R.T.: 4.240 min
Delta R.T.: 0.013 min
Response: 127692
Conc: 0.03 ng/ml



#6 beta-BHC

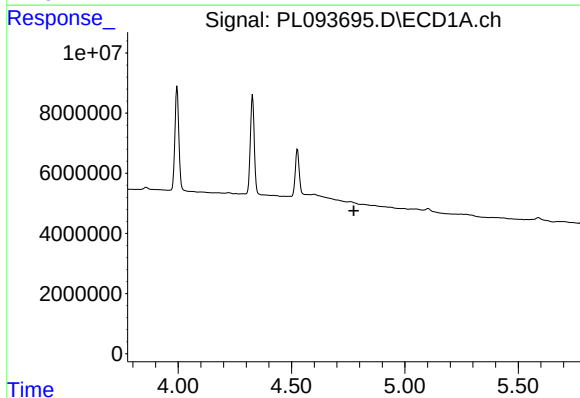
R.T.: 4.526 min
Delta R.T.: -0.001 min
Response: 18457493
Conc: 12.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



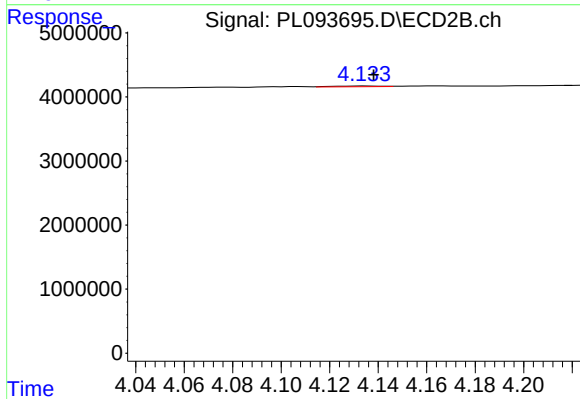
#6 beta-BHC

R.T.: 3.908 min
Delta R.T.: -0.002 min
Response: 22043582
Conc: 12.26 ng/ml



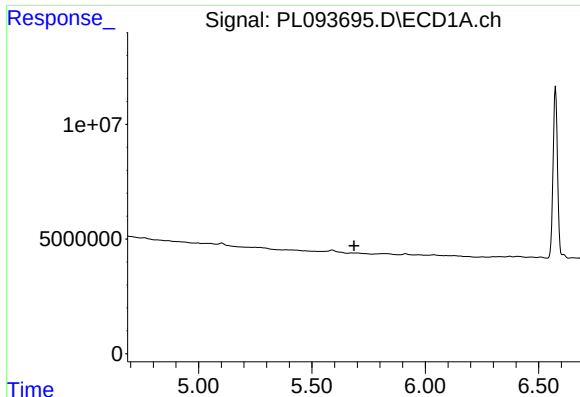
#7 delta-BHC

R.T.: 0.000 min
Exp R.T. : 4.775 min
Response: 0
Conc: N.D.



#7 delta-BHC

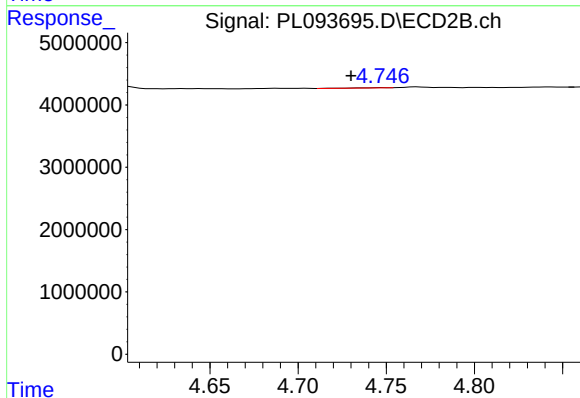
R.T.: 4.134 min
Delta R.T.: -0.004 min
Response: 169803
Conc: 0.04 ng/ml



#8 Heptachlor epoxide

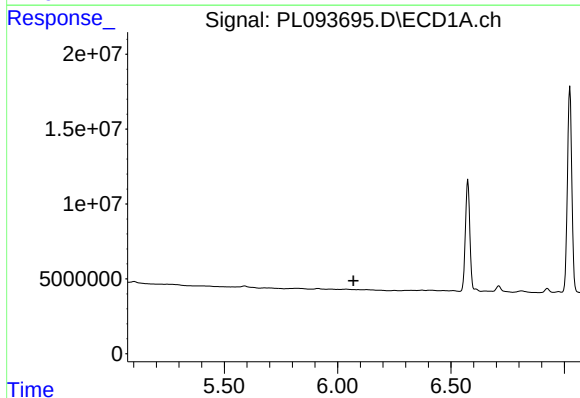
R.T.: 0.000 min
Exp R.T.: 5.686 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



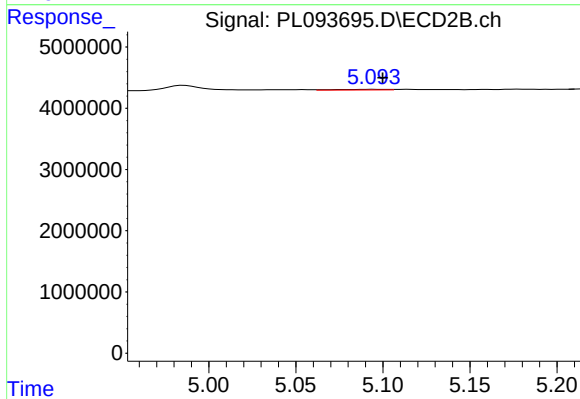
#8 Heptachlor epoxide

R.T.: 4.748 min
Delta R.T.: 0.018 min
Response: 45689
Conc: 0.01 ng/ml



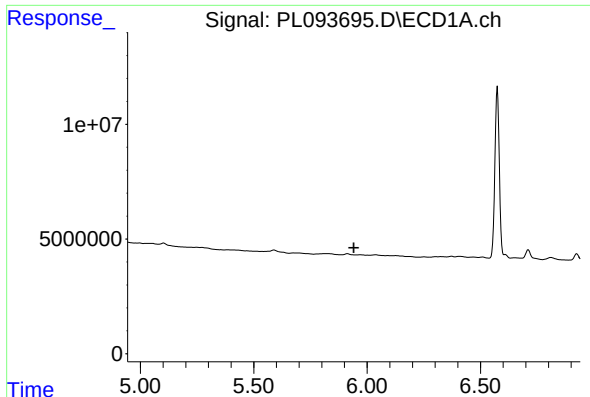
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T.: 6.071 min
Response: 0
Conc: N.D.



#9 Endosulfan I

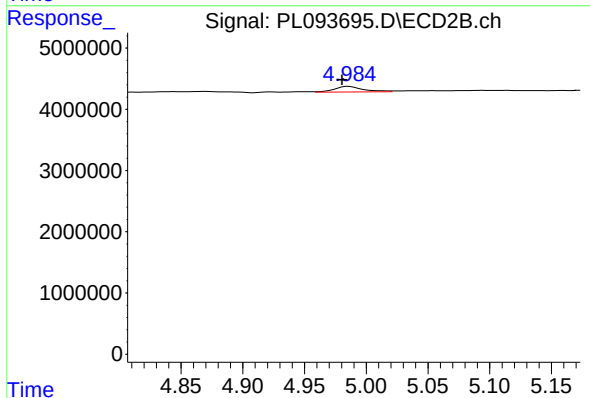
R.T.: 5.095 min
Delta R.T.: -0.005 min
Response: 227379
Conc: 0.07 ng/ml



#10 gamma-Chlordane

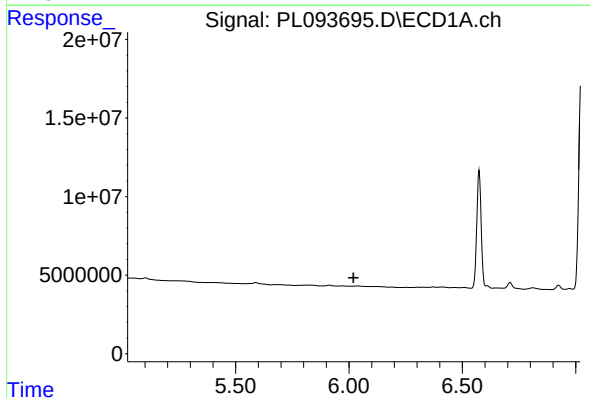
R.T.: 0.000 min
Exp R.T.: 5.941 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



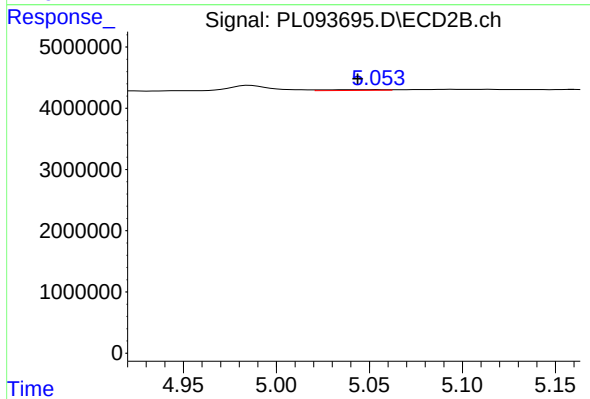
#10 gamma-Chlordane

R.T.: 4.986 min
Delta R.T.: 0.005 min
Response: 1476645
Conc: 0.38 ng/ml



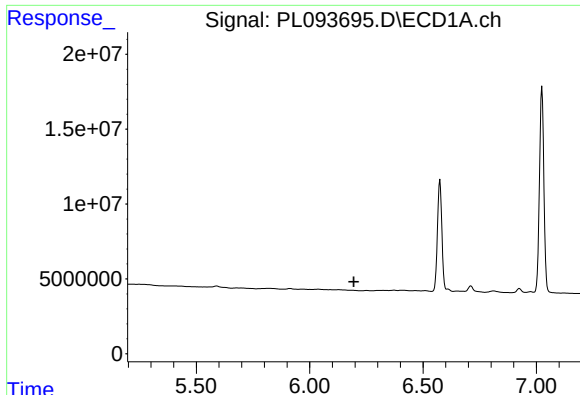
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T.: 6.020 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

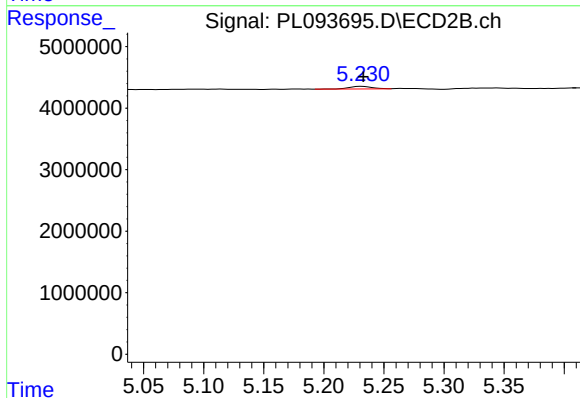
R.T.: 5.055 min
Delta R.T.: 0.011 min
Response: 268756
Conc: 0.07 ng/ml



#12 4,4'-DDE

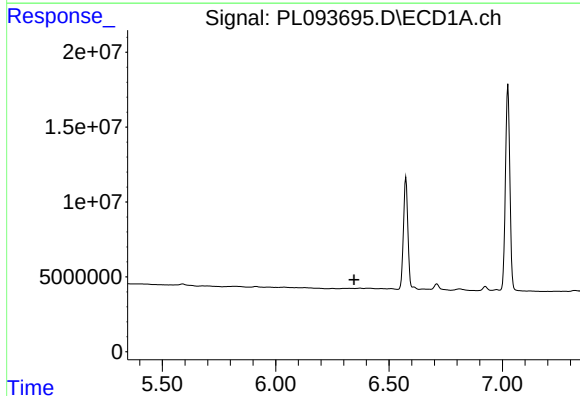
R.T.: 0.000 min
Exp R.T.: 6.194 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



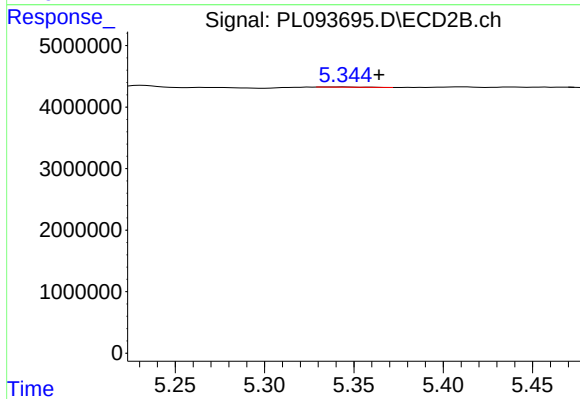
#12 4,4'-DDE

R.T.: 5.232 min
Delta R.T.: -0.001 min
Response: 565345
Conc: 0.15 ng/ml



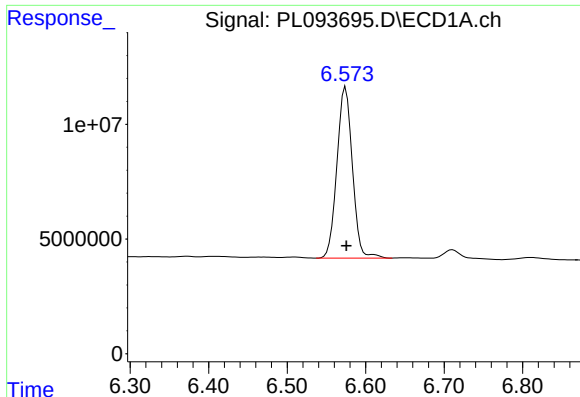
#13 Dieldrin

R.T.: 0.000 min
Exp R.T.: 6.346 min
Response: 0
Conc: N.D.



#13 Dieldrin

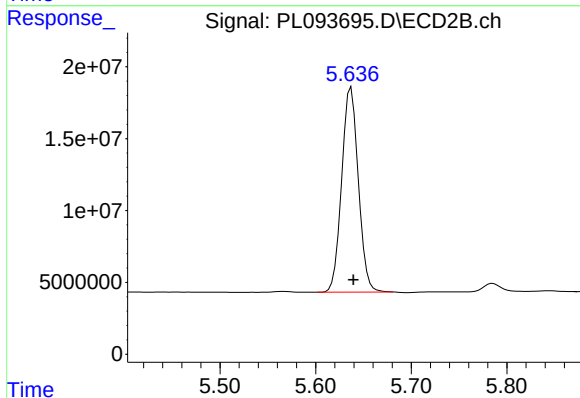
R.T.: 5.345 min
Delta R.T.: -0.019 min
Response: 60380
Conc: 0.02 ng/ml



#14 Endrin

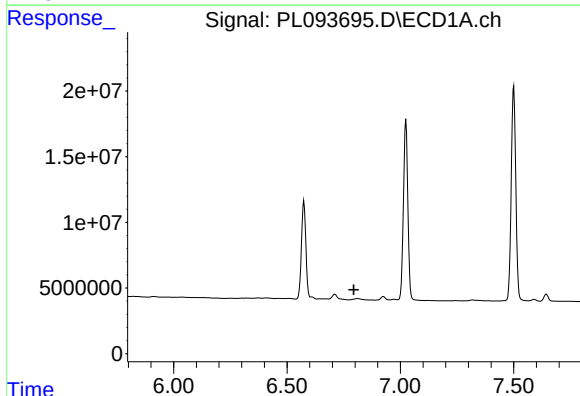
R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 102419758
Conc: 47.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



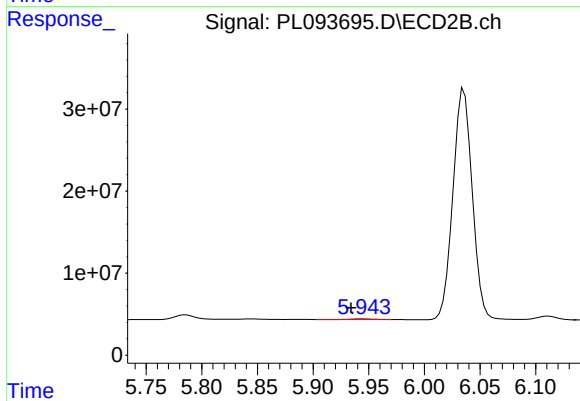
#14 Endrin

R.T.: 5.637 min
Delta R.T.: -0.003 min
Response: 172715747
Conc: 52.21 ng/ml



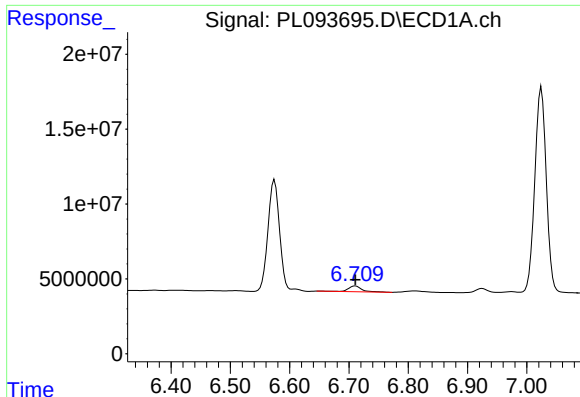
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T. : 6.795 min
Response: 0
Conc: N.D.



#15 Endosulfan II

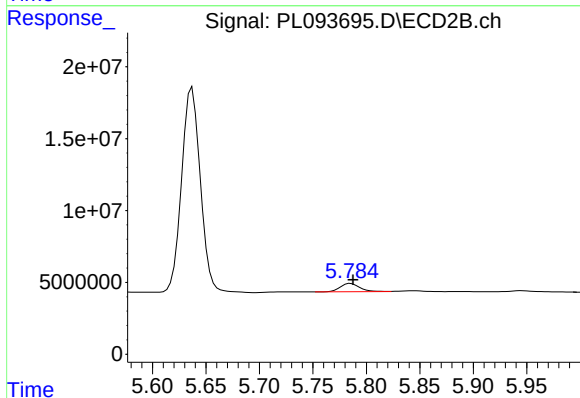
R.T.: 5.945 min
Delta R.T.: 0.011 min
Response: 898966
Conc: 0.28 ng/ml



#16 4,4'-DDD

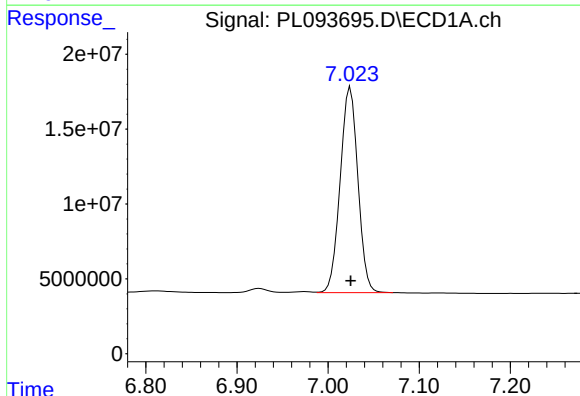
R.T.: 6.711 min
Delta R.T.: 0.000 min
Response: 6210510
Conc: 3.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



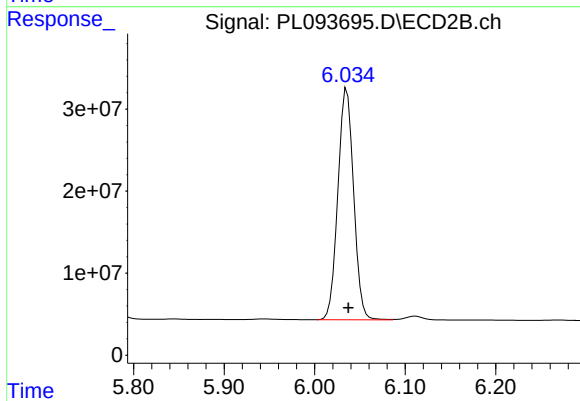
#16 4,4'-DDD

R.T.: 5.785 min
Delta R.T.: -0.002 min
Response: 7142599
Conc: 2.52 ng/ml



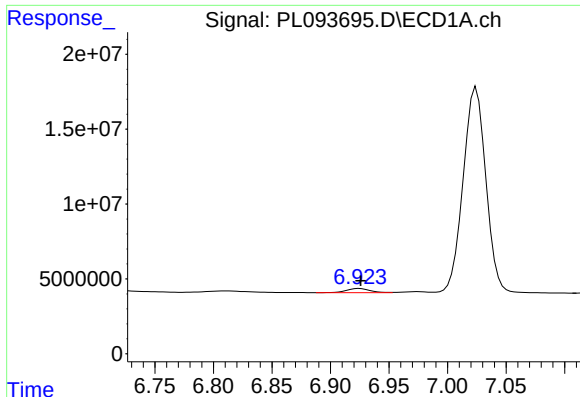
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.000 min
Response: 185215427
Conc: 100.20 ng/ml



#17 4,4'-DDT

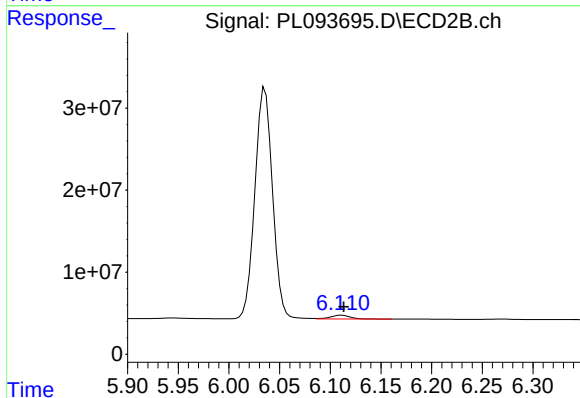
R.T.: 6.036 min
Delta R.T.: -0.002 min
Response: 341027150
Conc: 112.91 ng/ml



#18 Endrin aldehyde

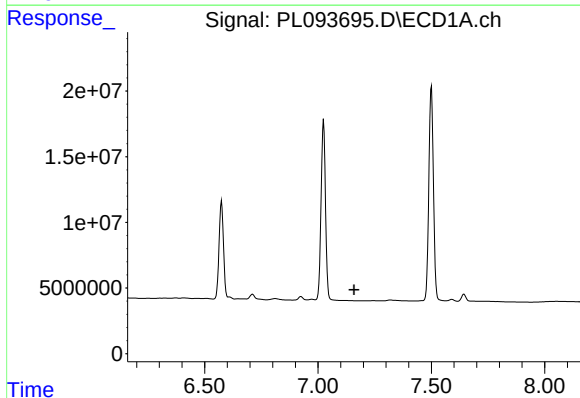
R.T.: 6.925 min
Delta R.T.: -0.001 min
Response: 3784031
Conc: 2.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



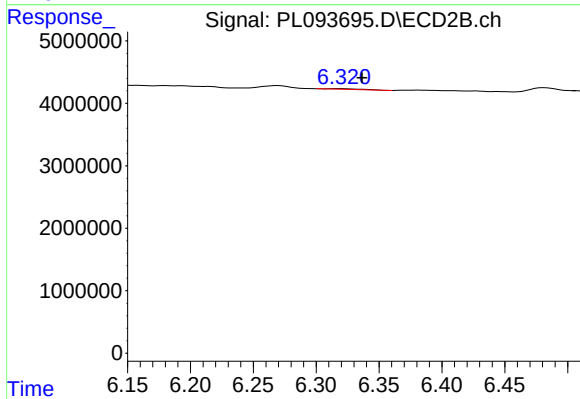
#18 Endrin aldehyde

R.T.: 6.111 min
Delta R.T.: -0.002 min
Response: 6236511
Conc: 2.32 ng/ml



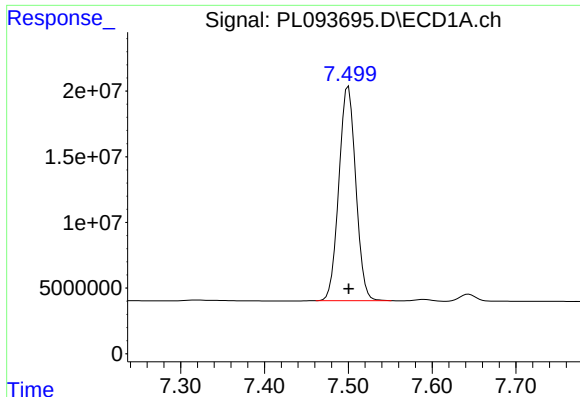
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T. : 7.160 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

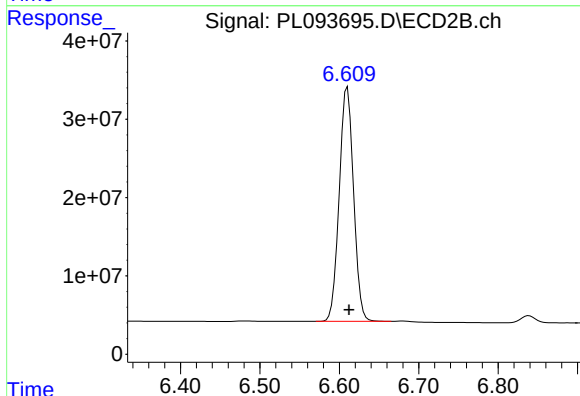
R.T.: 6.319 min
Delta R.T.: -0.017 min
Response: 202042
Conc: 0.06 ng/ml



#20 Methoxychlor

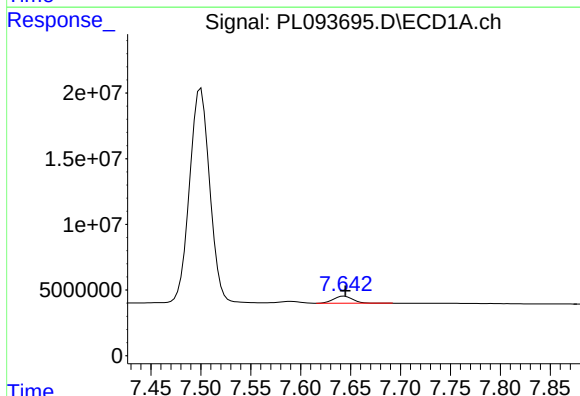
R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 228634851
Conc: 228.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



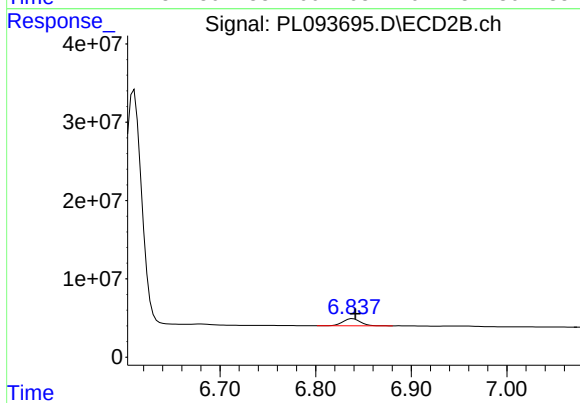
#20 Methoxychlor

R.T.: 6.610 min
Delta R.T.: -0.002 min
Response: 375587197
Conc: 233.34 ng/ml



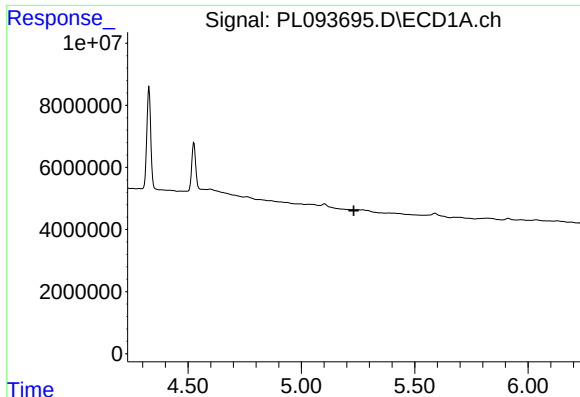
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: -0.001 min
Response: 7171333
Conc: 3.20 ng/ml



#21 Endrin ketone

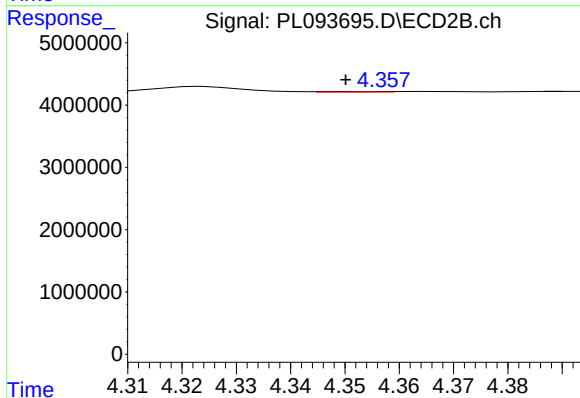
R.T.: 6.839 min
Delta R.T.: -0.003 min
Response: 11441693
Conc: 3.14 ng/ml



#24 Chlordane-2

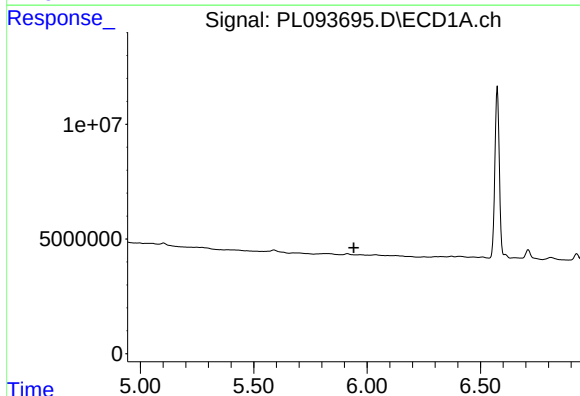
R.T.: 0.000 min
Exp R.T.: 5.231 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



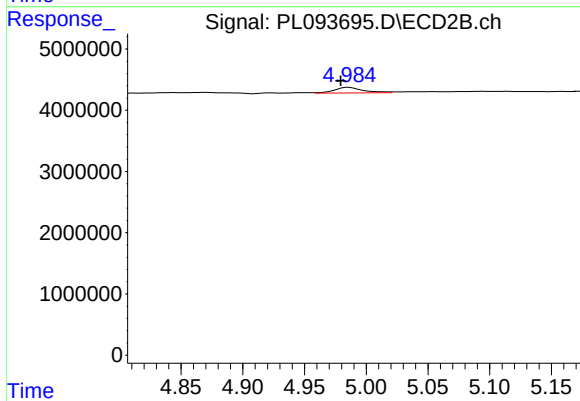
#24 Chlordane-2

R.T.: 4.349 min
Delta R.T.: 0.000 min
Response: 76087
Conc: 0.55 ng/ml



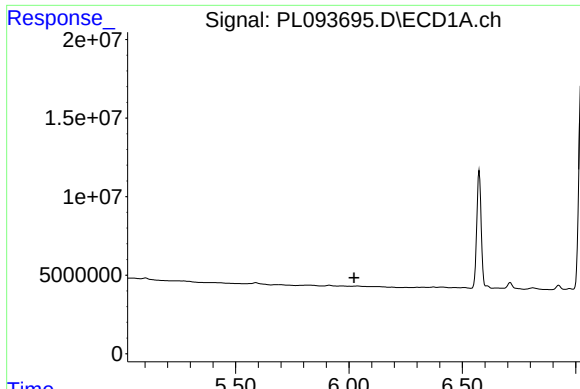
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T.: 5.941 min
Response: 0
Conc: N.D.



#25 Chlordane-3

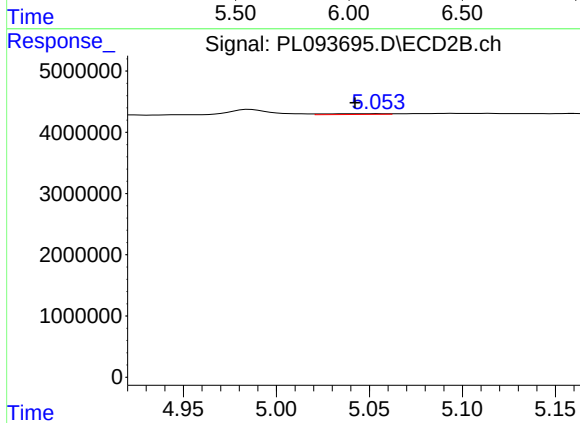
R.T.: 4.986 min
Delta R.T.: 0.007 min
Response: 1476645
Conc: 3.48 ng/ml



#26 Chlordane-4

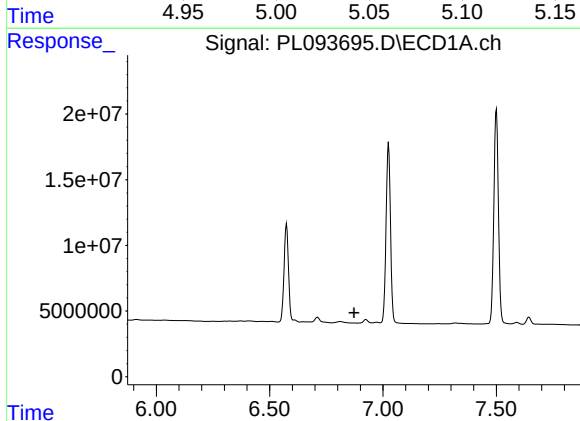
R.T.: 0.000 min
Exp R.T.: 6.023 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



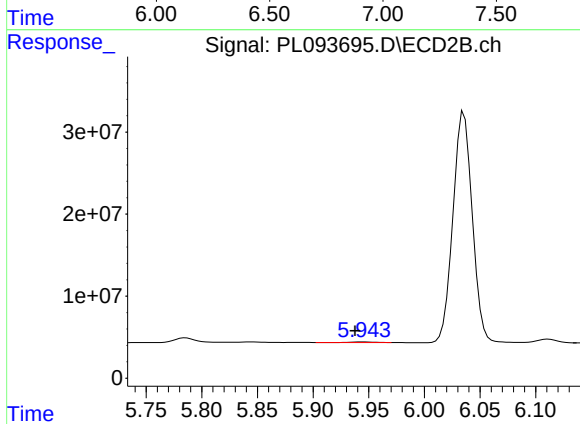
#26 Chlordane-4

R.T.: 5.055 min
Delta R.T.: 0.012 min
Response: 268756
Conc: 0.65 ng/ml



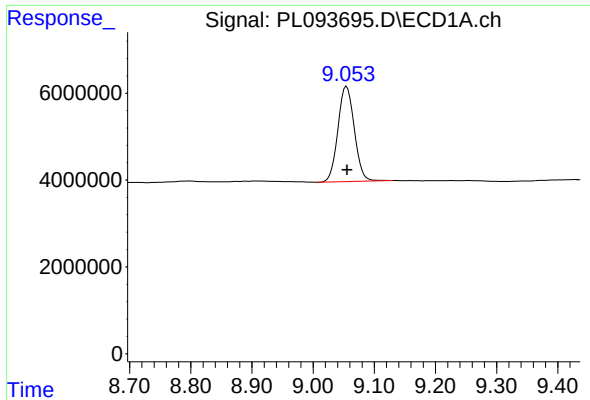
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T.: 6.872 min
Response: 0
Conc: N.D.



#27 Chlordane-5

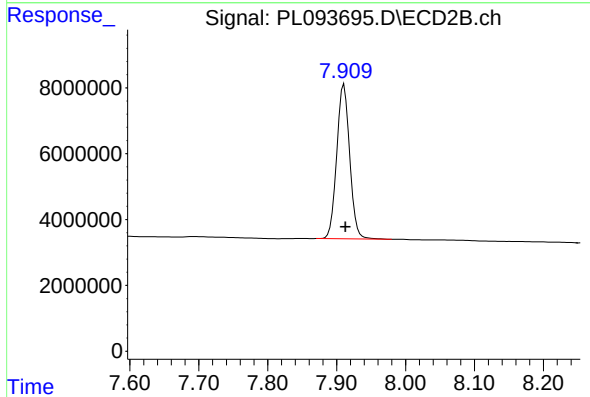
R.T.: 5.945 min
Delta R.T.: 0.007 min
Response: 898966
Conc: 6.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.000 min
Response: 40926875
Conc: 22.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 7.911 min
Delta R.T.: -0.002 min
Response: 61347914
Conc: 20.55 ng/ml