

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 : Q1211

ATTENTION : Nathan Fretz



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q1211

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

Client : Weston Solutions

Lab Sample Number

Q1211-01
Q1211-02
Q1211-03

Client Sample Number

TAPHHA-MW01-012825-00-T4
TAPIAL2-MW03-012825-00-T3
TAP-TB-02-012825-T4

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 11:21 am, Feb 11, 2025

Date: 2/6/2025

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 # Q1211

Test Name: PESTICIDE Group1

A. Number of Samples and Date of Receipt:

3 Water samples were received on 01/29/2025.

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, 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 except for TAPHHA-MW01-012825-00-T4 [Tetrachloro-m-xylene(1) - 125%].as per method one surrogate is allowed to failed, therefore no corrective action was taken.

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. Calculation for Concentration in Water Samples:

$$\text{Concentration in ug/L} = \frac{(Ax) (Vt) (DF) (GPC)}{(CF) (Vo) (Vi)}$$

Where,

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

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

Vo = Volume of water extracted in mL.

Vi = Volume of extract injected in uL.

Vt = Volume of the concentrated extract in uL

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

Vin = Volume of extract loaded onto GPC column.

Vout = Volume of extract collected after GPC cleanup.

DF = Dilution Factor.

F. Additional Comments:

The not QT review data is reported in the Miscellaneous

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 11:21 am, Feb 11, 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: Q1211

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.			
	The Surrogate recoveries met the acceptable criteria except for TAPHHA-MW01-012825-00-T4 [Tetrachloro-m-xylene(1) - 125%].as per method one surrogate is allowed to failed, therefore no corrective action was taken.			
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 9:27 am, Feb 11, 2025

QA REVIEW

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1211

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 02/06/2025

LAB CHRONICLE

OrderID:	Q1211	OrderDate:	1/29/2025 10:10:00 AM
Client:	Weston Solutions	Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	Location:	N31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1211-01	TAPHHA-MW01-01282 5-00-T4	Water			01/28/25			01/29/25
			Diesel Range Organics	8015D				
			Gasoline Range Organics	8015D				
			PESTICIDE Group1	8081B				
Q1211-02	TAPIAL2-MW03-0128 25-00-T3	Water			01/28/25			01/29/25
			Diesel Range Organics	8015D				
			Gasoline Range Organics	8015D				
			PESTICIDE Group1	8081B				

Hit Summary Sheet
SW-846

SDG No.: Q1211

Order ID: Q1211

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.: Q1211

Client: Weston Solutions

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL093725.D	PIBLK-PL093725.D	Decachlorobiphenyl	1	20	22.1	111		30	135
		Tetrachloro-m-xylene	1	20	20.8	104		44	124
		Decachlorobiphenyl	2	20	21.9	109		30	135
		Tetrachloro-m-xylene	2	20	20.5	103		44	124
I.BLK-PL093928.D	PIBLK-PL093928.D	Decachlorobiphenyl	1	20	20.6	103		30	135
		Tetrachloro-m-xylene	1	20	21.1	106		44	124
		Decachlorobiphenyl	2	20	20.4	102		30	135
		Tetrachloro-m-xylene	2	20	19.8	99		44	124
PB166365BL	PB166365BL	Decachlorobiphenyl	1	20	20.7	104		30	135
		Tetrachloro-m-xylene	1	20	19.3	96		44	124
		Decachlorobiphenyl	2	20	20.0	100		30	135
		Tetrachloro-m-xylene	2	20	18.0	90		44	124
PB166365BS	PB166365BS	Decachlorobiphenyl	1	20	21.8	109		30	135
		Tetrachloro-m-xylene	1	20	20.0	100		44	124
		Decachlorobiphenyl	2	20	21.7	109		30	135
		Tetrachloro-m-xylene	2	20	18.3	91		44	124
PB166365BSD	PB166365BSD	Decachlorobiphenyl	1	20	22.0	110		30	135
		Tetrachloro-m-xylene	1	20	20.3	101		44	124
		Decachlorobiphenyl	2	20	22.1	111		30	135
		Tetrachloro-m-xylene	2	20	19.0	95		44	124
Q1211-01	TAPHHA-MW01-012825-00-T4	Decachlorobiphenyl	1	20	20.1	100		30	135
		Tetrachloro-m-xylene	1	20	25.1	125	*	44	124
		Decachlorobiphenyl	2	20	19.9	99		30	135
		Tetrachloro-m-xylene	2	20	24.6	123		44	124
Q1211-02	TAPIAL2-MW03-012825-00-T3	Decachlorobiphenyl	1	20	13.4	67		30	135
		Tetrachloro-m-xylene	1	20	20.7	103		44	124
		Decachlorobiphenyl	2	20	13.0	65		30	135
		Tetrachloro-m-xylene	2	20	20.0	100		44	124
I.BLK-PL093942.D	PIBLK-PL093942.D	Decachlorobiphenyl	1	20	22.6	113		30	135
		Tetrachloro-m-xylene	1	20	21.7	109		44	124
		Decachlorobiphenyl	2	20	22.3	111		30	135
		Tetrachloro-m-xylene	2	20	20.1	101		44	124

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1211

Client: Weston Solutions

Analytical Method: 8081B

Datafile : PL093934.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB166365BS	alpha-BHC	0.5	0.45	ug/L	90				54	138	
	beta-BHC	0.5	0.45	ug/L	90				56	136	
	delta-BHC	0.5	0.46	ug/L	92				52	142	
	gamma-BHC (Lindane)	0.5	0.44	ug/L	88				59	134	
	Heptachlor	0.5	0.49	ug/L	97				54	130	
	Aldrin	0.5	0.45	ug/L	90				45	134	
	Heptachlor epoxide	0.5	0.45	ug/L	90				61	133	
	Endosulfan I	0.5	0.46	ug/L	92				62	126	
	Dieldrin	0.5	0.46	ug/L	93				60	136	
	4,4'-DDE	0.5	0.50	ug/L	100				57	135	
	Endrin	0.5	0.50	ug/L	100				60	138	
	Endosulfan II	0.5	0.48	ug/L	97				52	135	
	4,4'-DDD	0.5	0.53	ug/L	105				56	143	
	Endosulfan sulfate	0.5	0.49	ug/L	97				62	133	
	4,4'-DDT	0.5	0.54	ug/L	108				51	143	
	Methoxychlor	0.5	0.52	ug/L	104				54	145	
	Endrin ketone	0.5	0.47	ug/L	94				58	134	
	Endrin aldehyde	0.5	0.46	ug/L	92				51	132	
	alpha-Chlordane	0.5	0.47	ug/L	94				60	129	
	gamma-Chlordane	0.5	0.48	ug/L	96				56	136	
	Mirex	0.5	0.44	ug/L	87				51	127	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1211

Client: Weston Solutions

Analytical Method: 8081B Datafile : PL093935.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB166365BSD	alpha-BHC	0.5	0.46	ug/L	92	2			54	138	20
	beta-BHC	0.5	0.48	ug/L	95	5			56	136	20
	delta-BHC	0.5	0.47	ug/L	94	2			52	142	20
	gamma-BHC (Lindane)	0.5	0.46	ug/L	92	4			59	134	20
	Heptachlor	0.5	0.50	ug/L	100	3			54	130	20
	Aldrin	0.5	0.46	ug/L	93	3			45	134	20
	Heptachlor epoxide	0.5	0.47	ug/L	94	4			61	133	20
	Endosulfan I	0.5	0.47	ug/L	94	2			62	126	20
	Dieldrin	0.5	0.48	ug/L	96	3			60	136	20
	4,4'-DDE	0.5	0.51	ug/L	102	2			57	135	20
	Endrin	0.5	0.52	ug/L	104	4			60	138	20
	Endosulfan II	0.5	0.49	ug/L	99	2			52	135	20
	4,4'-DDD	0.5	0.52	ug/L	105	0			56	143	20
	Endosulfan sulfate	0.5	0.50	ug/L	99	2			62	133	20
	4,4'-DDT	0.5	0.54	ug/L	109	1			51	143	20
	Methoxychlor	0.5	0.53	ug/L	106	2			54	145	20
	Endrin ketone	0.5	0.48	ug/L	96	2			58	134	20
	Endrin aldehyde	0.5	0.47	ug/L	94	2			51	132	20
	alpha-Chlordane	0.5	0.48	ug/L	97	3			60	129	20
	gamma-Chlordane	0.5	0.49	ug/L	97	1			56	136	20
	Mirex	0.5	0.44	ug/L	89	2			51	127	20

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166365BL

Lab Name: CHEMTECH

Contract: WEST04

Lab Code: CHEM Case No.: Q1211

SAS No.: Q1211 SDG NO.: Q1211

Lab Sample ID: PB166365BL

Lab File ID: PL093933.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 01/30/2025

Date Analyzed (1): 01/31/2025

Date Analyzed (2): 01/31/2025

Time Analyzed (1): 12:29

Time Analyzed (2): 12:29

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
PB166365BS	PB166365BS	PL093934.D	01/31/2025	01/31/2025
PB166365BSD	PB166365BSD	PL093935.D	01/31/2025	01/31/2025
TAPHHA-MW01-012825-00-T4	Q1211-01	PL093938.D	01/31/2025	01/31/2025
TAPIAL2-MW03-012825-00-T3	Q1211-02	PL093939.D	01/31/2025	01/31/2025

COMMENTS: _____



SAMPLE DATA

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Report of Analysis

Client:	Weston Solutions	Date Collected:	01/28/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/29/25
Client Sample ID:	TAPHHA-MW01-012825-00-T4	SDG No.:	Q1211
Lab Sample ID:	Q1211-01	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093938.D	1	01/30/25 09:25	01/31/25 14:02	PB166365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.025	U	0.0062	0.025	0.051	ug/L
319-85-7	beta-BHC	0.025	U	0.014	0.025	0.051	ug/L
319-86-8	delta-BHC	0.025	U	0.015	0.025	0.051	ug/L
58-89-9	gamma-BHC (Lindane)	0.025	U	0.0049	0.025	0.051	ug/L
76-44-8	Heptachlor	0.025	U	0.0055	0.025	0.051	ug/L
309-00-2	Aldrin	0.025	U	0.0044	0.025	0.051	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0091	0.025	0.051	ug/L
959-98-8	Endosulfan I	0.025	U	0.0051	0.025	0.051	ug/L
60-57-1	Dieldrin	0.025	U	0.0047	0.025	0.051	ug/L
72-55-9	4,4-DDE	0.025	U	0.0045	0.025	0.051	ug/L
72-20-8	Endrin	0.010	U	0.0043	0.010	0.051	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0076	0.025	0.051	ug/L
72-54-8	4,4-DDD	0.025	U	0.0093	0.025	0.051	ug/L
1031-07-8	Endosulfan Sulfate	0.025	U	0.0035	0.025	0.051	ug/L
50-29-3	4,4-DDT	0.025	U	0.0044	0.025	0.051	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.051	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0098	0.025	0.051	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.010	0.025	0.051	ug/L
5103-71-9	alpha-Chlordane	0.025	U	0.0061	0.025	0.051	ug/L
5103-74-2	gamma-Chlordane	0.025	U	0.0061	0.025	0.051	ug/L
8001-35-2	Toxaphene	0.51	U	0.15	0.51	1.00	ug/L
57-74-9	Chlordane	0.25	U	0.083	0.25	0.51	ug/L
2385-85-5	Mirex	0.025	U	0.0041	0.025	0.051	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.1		30 - 135		100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.1	*	44 - 124		125%	SPK: 20

Report of Analysis

Client:	Weston Solutions			Date Collected:	01/28/25		
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169			Date Received:	01/29/25		
Client Sample ID:	TAPHHA-MW01-012825-00-T4			SDG No.:	Q1211		
Lab Sample ID:	Q1211-01			Matrix:	WATER		
Analytical Method:	SW8081			% Solid:	0		Decanted:
Sample Wt/Vol:	990	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
PL093938.D	1	01/30/25 09:25	01/31/25 14:02	PB166365

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\PL013125\
Data File : PL093938.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 14:02
Operator : AR\AJ
Sample : Q1211-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TAPHHA-MW01-012825-00-T4

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 00:25:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.539	2.775	67543741	80269155	25.083	24.591
28) SA Decachlor...	9.057	7.912	41937692	69680744	20.048	19.886

Target Compounds

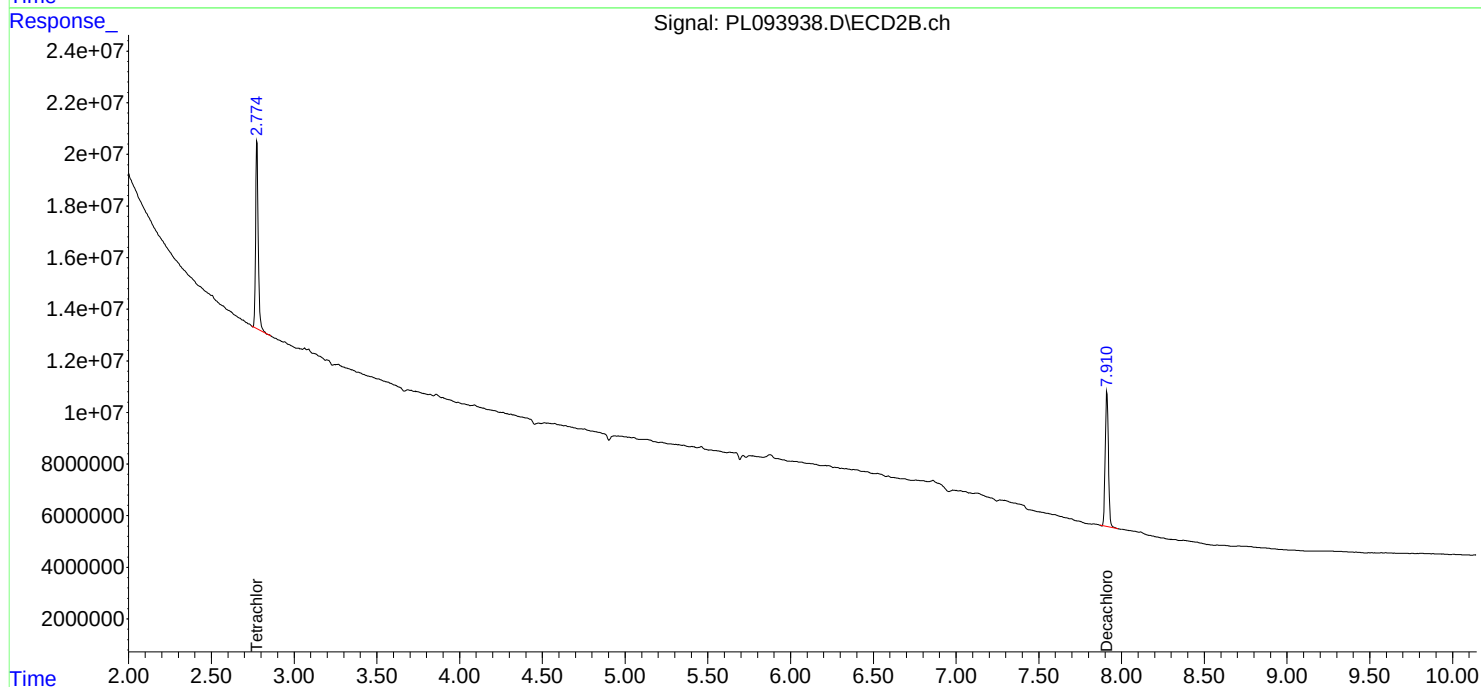
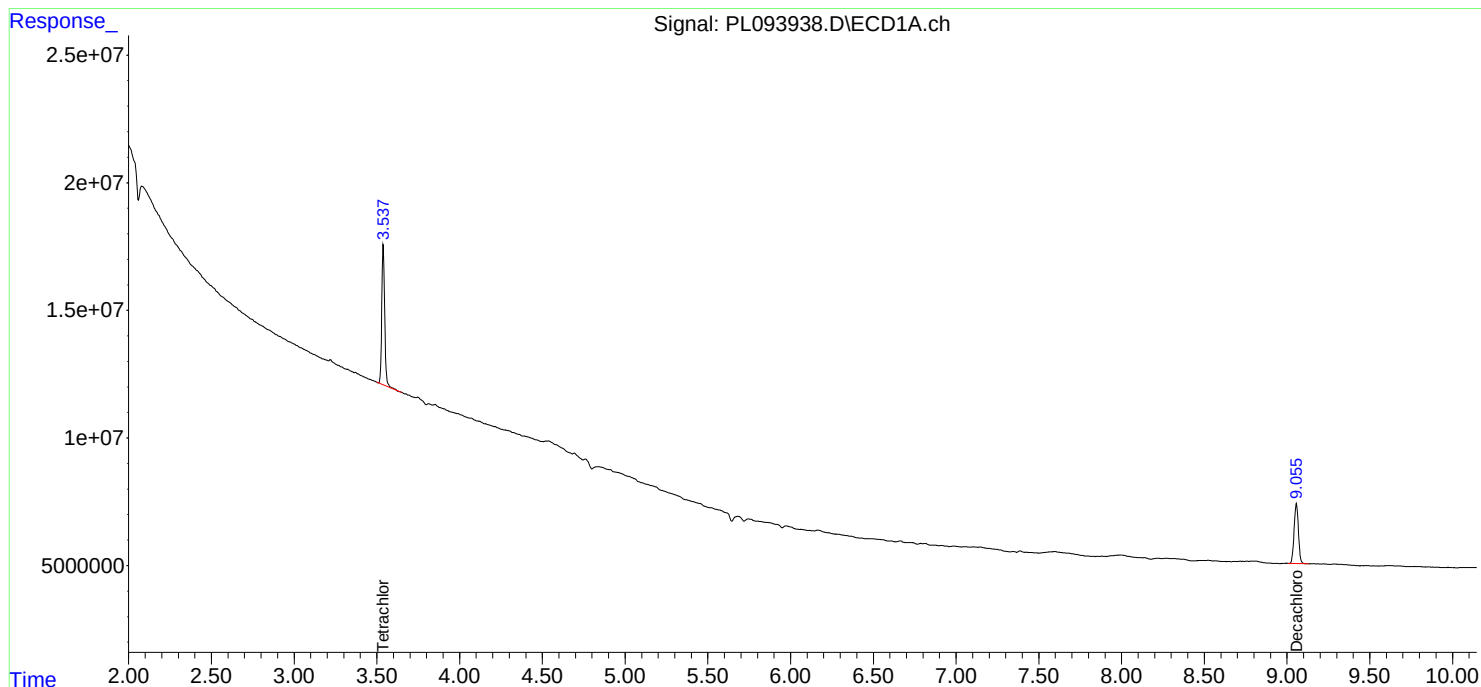
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

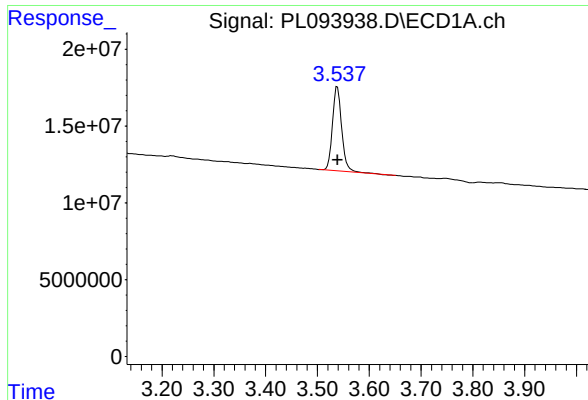
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093938.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 14:02
Operator : AR\AJ
Sample : Q1211-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TAPHHA-MW01-012825-00-T4

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 00:25:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

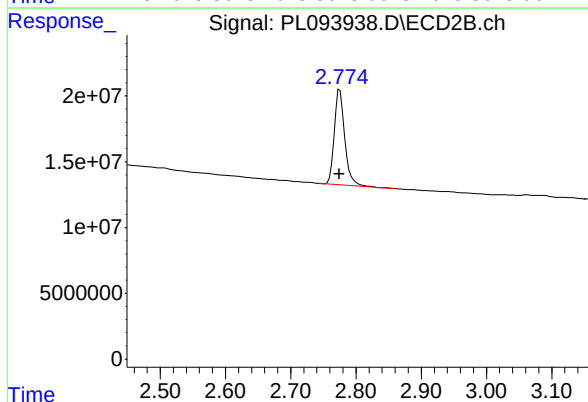




#1 Tetrachloro-m-xylene

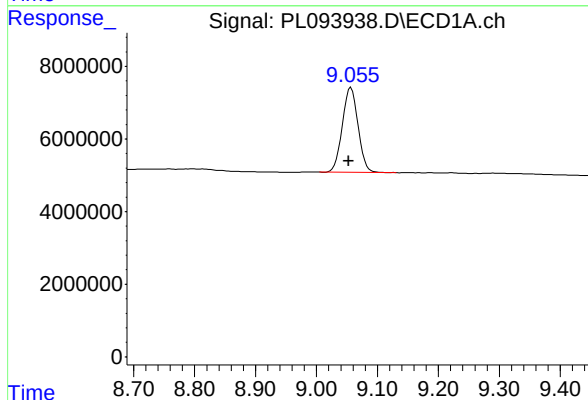
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 67543741
Conc: 25.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAPHHA-MW01-012825-00-T4



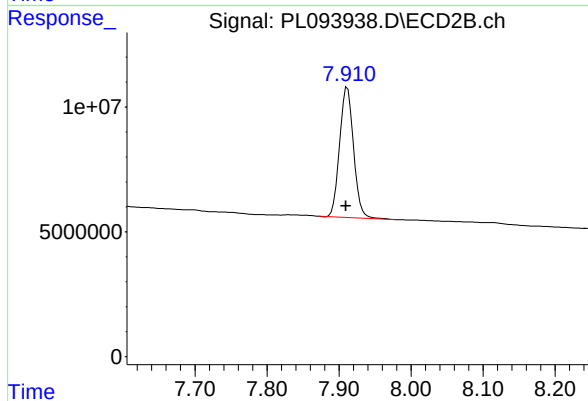
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.000 min
Response: 80269155
Conc: 24.59 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.004 min
Response: 41937692
Conc: 20.05 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.002 min
Response: 69680744
Conc: 19.89 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	01/28/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/29/25
Client Sample ID:	TAPIAL2-MW03-012825-00-T3	SDG No.:	Q1211
Lab Sample ID:	Q1211-02	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	Injection Volume :	
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093939.D	1	01/30/25 09:25	01/31/25 14:15	PB166365

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	13.4		30 - 135		67%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.7		44 - 124		103%	SPK: 20

Report of Analysis

Client:	Weston Solutions		Date Collected:	01/28/25	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169		Date Received:	01/29/25	
Client Sample ID:	TAPIAL2-MW03-012825-00-T3		SDG No.:	Q1211	
Lab Sample ID:	Q1211-02		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
PL093939.D	1	01/30/25 09:25	01/31/25 14:15	PB166365

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\PL013125\
 Data File : PL093939.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Jan 2025 14:15
 Operator : AR\AJ
 Sample : Q1211-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TAPIAL2-MW03-012825-00-T3

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 02/03/2025
 Supervised By : Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 01 00:26:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.537	2.774	55713613	65394986	20.690m	20.034
28) SA Decachlor...	9.055	7.910	27970976	45609187	13.371	13.016

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093939.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 14:15
Operator : AR\AJ
Sample : Q1211-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

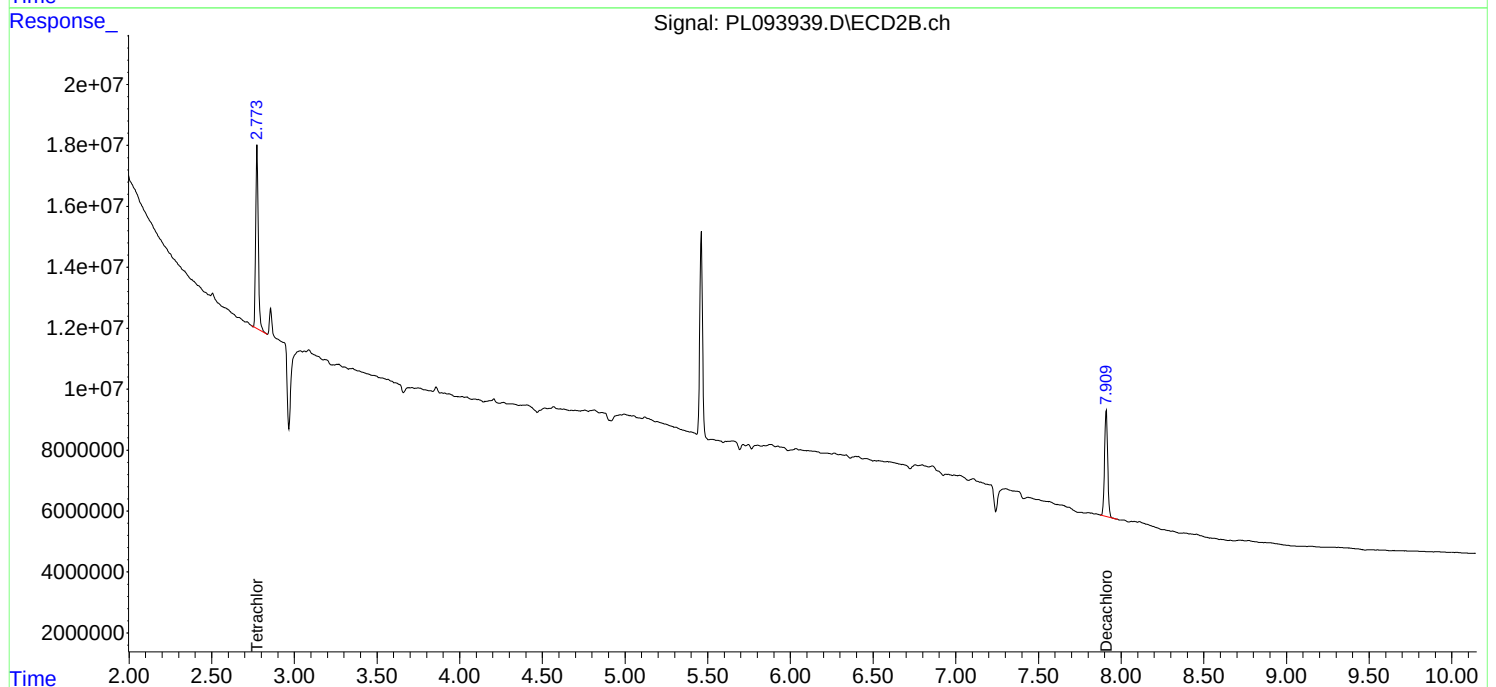
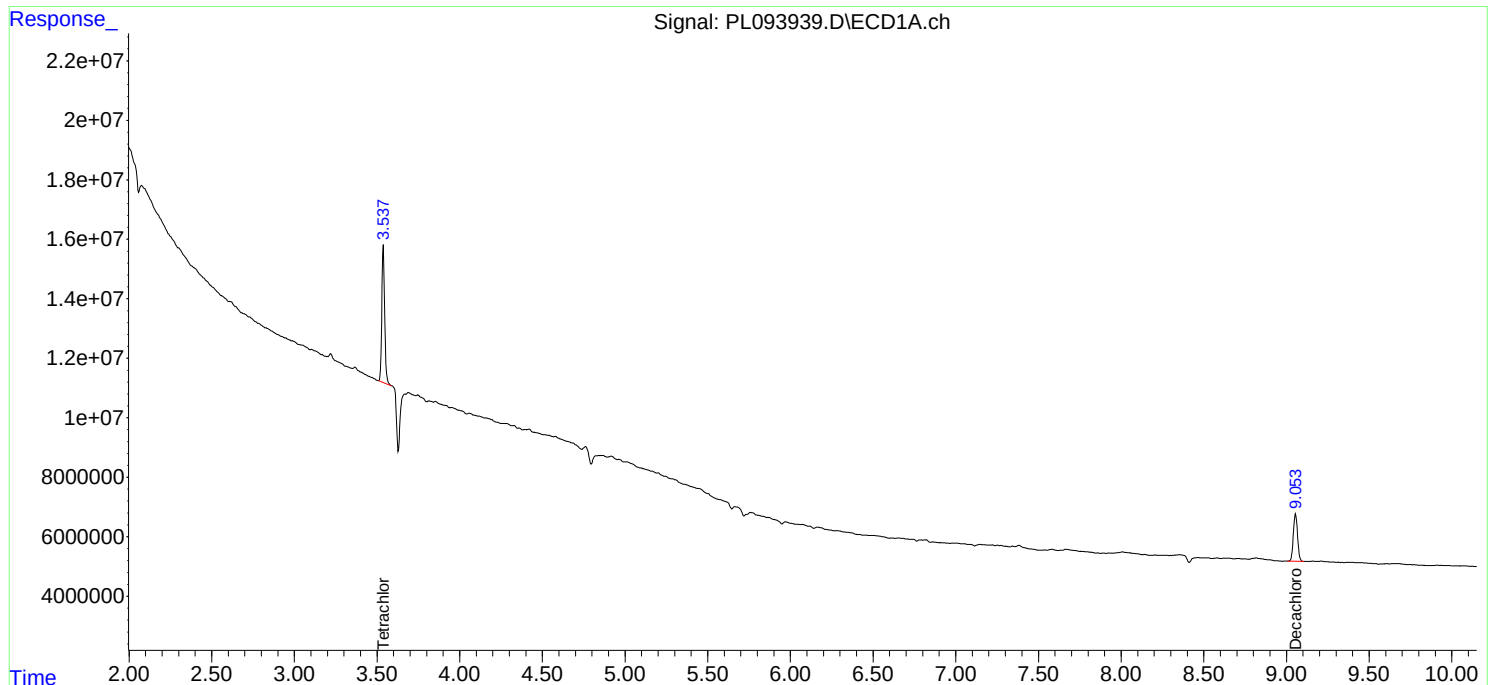
Instrument :
ECD_L
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

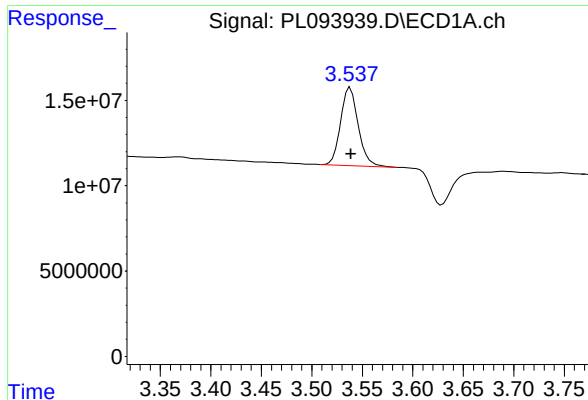
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 02/03/2025
Supervised By : Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 00:26:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





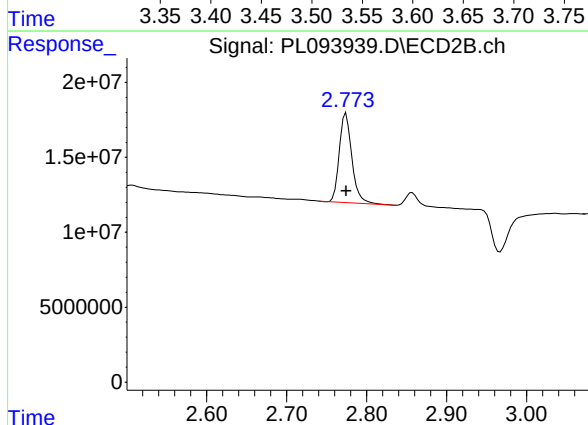
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 55713613
Conc: 20.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

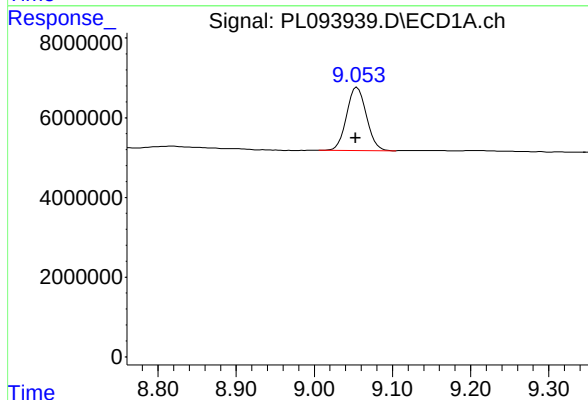
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



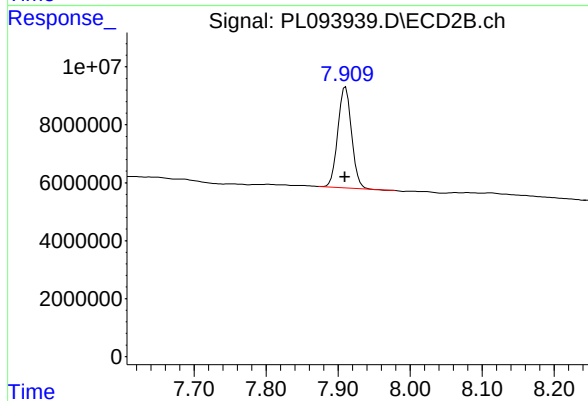
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 65394986
Conc: 20.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.002 min
Response: 27970976
Conc: 13.37 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 45609187
Conc: 13.02 ng/ml



CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: WEST04
Lab Code: CHEM **Case No.:** Q1211 **SAS No.:** Q1211 **SDG NO.:** Q1211
Instrument ID: ECD_L **Calibration Date(s):** 01/21/2025 01/21/2025
Calibration Times: 10:57 11:51

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

LAB FILE ID:	RT 100 = <u>PL093728.D</u>	RT 075 = <u>PL093729.D</u>
RT 050 = <u>PL093730.D</u>	RT 025 = <u>PL093731.D</u>	RT 005 = <u>PL093732.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	7.02	7.02	7.02	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	3.99	3.99	3.89	4.09
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	9.05	9.05	9.05	9.05	9.05	9.05	8.95	9.15
delta-BHC	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Dieldrin	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.92	6.92	6.92	6.92	6.92	6.92	6.82	7.02
Endrin ketone	7.64	7.64	7.64	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	4.91	4.91	4.91	4.91	4.81	5.01
Heptachlor epoxide	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
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	8.11	8.11	8.01	8.21
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.:** Q1211 **SAS No.:** Q1211 **SDG NO.:** Q1211
Instrument ID: ECD_L **Calibration Date(s):** 01/21/2025 01/21/2025
Calibration Times: 10:57 11:51

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

LAB FILE ID:	RT 100 = <u>PL093728.D</u>	RT 075 = <u>PL093729.D</u>
RT 050 = <u>PL093730.D</u>	RT 025 = <u>PL093731.D</u>	RT 005 = <u>PL093732.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	5.79	5.78	5.78	5.78	5.78	5.78	5.68	5.88
4,4'-DDE	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
4,4'-DDT	6.04	6.03	6.03	6.03	6.03	6.03	5.93	6.13
Aldrin	4.23	4.23	4.23	4.22	4.22	4.22	4.12	4.32
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	4.13	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	5.93	5.93	5.93	5.93	5.93	5.93	5.83	6.03
Endosulfan sulfate	6.33	6.33	6.33	6.33	6.33	6.33	6.23	6.43
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	3.94	3.94	3.84	4.04
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	2.77	2.77	2.77	2.77	2.77	2.67	2.87

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WEST04
Lab Code: CHEM **Case No.:** Q1211 **SAS No.:** Q1211 **SDG NO.:** Q1211
Instrument ID: ECD_L
Calibration Date(s): 01/21/2025 01/21/2025
Calibration Times: 10:57 11:51

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

LAB FILE ID:		CF 100 = <u>PL093728.D</u>		CF 075 = <u>PL093729.D</u>			
CF 050 = <u>PL093730.D</u>		CF 025 = <u>PL093731.D</u>		CF 005 = <u>PL093732.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1660930000	1679650000	1932670000	1802720000	2426830000	1900560000	17
4,4'-DDE	2179870000	2169930000	2489080000	2321590000	3012520000	2434600000	14
4,4'-DDT	1755570000	1766710000	2016720000	1907120000	2414170000	1972060000	14
Aldrin	2924220000	2896750000	3292630000	3099660000	4146570000	3271970000	16
alpha-BHC	3537700000	3490280000	3918110000	3562830000	4660310000	3833850000	13
alpha-Chlordane	2458070000	2458490000	2788200000	2666580000	3570690000	2788400000	16
beta-BHC	1393460000	1394440000	1618290000	1508890000	2121530000	1607320000	19
Decachlorobiphenyl	1768480000	1816480000	2098320000	2018470000	2757820000	2091910000	19
delta-BHC	3233860000	3194550000	3605880000	3303370000	4188780000	3505290000	12
Dieldrin	2456580000	2440810000	2788190000	2639340000	3554340000	2775850000	17
Endosulfan I	2304400000	2298550000	2637060000	2528610000	3445650000	2642860000	18
Endosulfan II	2084130000	2100600000	2413950000	2287820000	3160260000	2409350000	18
Endosulfan sulfate	1923100000	1945070000	2248580000	2190510000	3011450000	2263740000	20
Endrin	2079430000	2060990000	2363220000	2218560000	3001890000	2344820000	17
Endrin aldehyde	1673120000	1696040000	1958970000	1896570000	2495580000	1944060000	17
Endrin ketone	2196850000	2205550000	2539700000	2413910000	3257130000	2522630000	17
gamma-BHC (Lindane)	3375960000	3339350000	3767250000	3460830000	4470850000	3682850000	13
gamma-Chlordane	2455830000	2471830000	2815630000	2678390000	3515170000	2787370000	16
Heptachlor	2922500000	2901690000	3325290000	3144100000	4093120000	3277340000	15
Heptachlor epoxide	2568680000	2575960000	2953630000	2835830000	3935020000	2973820000	19
Methoxychlor	907284000	922109000	1080370000	1020090000	1287130000	1043400000	15
Mirex	1753030000	1781940000	2065500000	2034980000	2776990000	2082490000	20
Tetrachloro-m-xylene	2397870000	2402980000	2740040000	2595500000	3327420000	2692760000	14

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WEST04
Lab Code: CHEM **Case No.:** Q1211 **SAS No.:** Q1211 **SDG NO.:** Q1211
Instrument ID: ECD_L
Calibration Date(s): 01/21/2025 01/21/2025
Calibration Times: 10:57 11:51

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

LAB FILE ID:		CF 100 = <u>PL093728.D</u>		CF 075 = <u>PL093729.D</u>			
CF 050 = <u>PL093730.D</u>		CF 025 = <u>PL093731.D</u>		CF 005 = <u>PL093732.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3134000000	3054730000	3379160000	2910470000	3304320000	3156540000	6
4,4'-DDE	3891920000	3807640000	4253650000	3749010000	4345130000	4009470000	7
4,4'-DDT	3270010000	3177800000	3542860000	3046890000	3232670000	3254050000	6
Aldrin	4482990000	4370810000	4856520000	4222470000	4876190000	4561800000	6
alpha-BHC	4914190000	4768640000	5271080000	4480730000	5010260000	4888980000	6
alpha-Chlordane	4056970000	3962110000	4424110000	3914810000	4574820000	4186560000	7
beta-BHC	1863440000	1842720000	2072180000	1889740000	2319100000	1997440000	10
Decachlorobiphenyl	3226690000	3193800000	3627020000	3320620000	4152210000	3504070000	11
delta-BHC	4741230000	4607910000	5098810000	4368820000	4939430000	4751240000	6
Dieldrin	4189300000	4076770000	4553570000	3958830000	4699760000	4295650000	7
Endosulfan I	3734100000	3661580000	4099030000	3635320000	4254550000	3876920000	7
Endosulfan II	3553260000	3487640000	3912960000	3484510000	4080760000	3703830000	7
Endosulfan sulfate	3408630000	3353240000	3757030000	3348270000	3963240000	3566080000	8
Endrin	3607760000	3481170000	3870730000	3406140000	4097610000	3692680000	8
Endrin aldehyde	2861460000	2820180000	3183430000	2892290000	3465840000	3044640000	9
Endrin ketone	3965120000	3881890000	4400080000	3907370000	4821740000	4195240000	10
gamma-BHC (Lindane)	4713370000	4597010000	5084610000	4384810000	4926270000	4741210000	6
gamma-Chlordane	4137240000	4016860000	4483010000	3935490000	4615500000	4237620000	7
Heptachlor	4505180000	4413750000	4924840000	4345980000	5084220000	4654790000	7
Heptachlor epoxide	4026840000	3946880000	4424170000	3927960000	4575440000	4180260000	7
Methoxychlor	1651870000	1634200000	1870410000	1643810000	2140390000	1788140000	12
Mirex	3099080000	3062650000	3473090000	3243390000	4031230000	3381890000	12
Tetrachloro-m-xylene	3101220000	3058550000	3437230000	3066200000	3657590000	3264160000	8



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.: Q1211 SAS No.: Q1211 SDG NO.: Q1211

Instrument ID: ECD_L Date(s) Analyzed: 01/21/2025 01/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	4.70	4.60	4.80	110671000
		2	5.23	5.13	5.33	111822000
		3	5.94	5.84	6.04	367564000
		4	6.02	5.92	6.12	441167000
		5	6.87	6.77	6.97	84311800
Toxaphene	500	1	6.24	6.14	6.34	23446000
		2	6.44	6.34	6.54	14767200
		3	7.06	6.96	7.16	75896000
		4	7.15	7.05	7.25	57345100
		5	7.93	7.83	8.03	43067100



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: WEST04

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG NO.: Q1211

Instrument ID: ECD_L Date(s) Analyzed: 01/21/2025 01/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	3.77	3.67	3.87	122213000
		2	4.35	4.25	4.45	140610000
		3	4.98	4.88	5.08	427882000
		4	5.04	4.94	5.14	412254000
		5	5.94	5.84	6.04	148711000
Toxaphene	500	1	5.00	4.90	5.10	27057100
		2	5.33	5.23	5.43	23947200
		3	5.68	5.58	5.78	24726400
		4	6.60	6.50	6.70	84987200
		5	7.04	6.94	7.14	80238300

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
 Data File : PL093728.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Jan 2025 10:57
 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: Jan 21 13:55:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 13:52:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.539	2.775	239.8E6	310.1E6	93.340	94.861
28) SA Decachlor...	9.052	7.910	176.8E6	322.7E6	91.470	94.159
Target Compounds						
2) A alpha-BHC	3.995	3.277	353.8E6	491.4E6	94.898	96.496
3) MA gamma-BHC...	4.328	3.607	337.6E6	471.3E6	94.522	96.211
4) MA Heptachlor	4.915	3.946	292.3E6	450.5E6	93.553	95.550
5) MB Aldrin	5.257	4.225	292.4E6	448.3E6	94.074	96.001
6) B beta-BHC	4.526	3.907	139.3E6	186.3E6	92.535	94.696
7) B delta-BHC	4.773	4.136	323.4E6	474.1E6	94.561	96.366
8) B Heptachlo...	5.683	4.727	256.9E6	402.7E6	93.029	95.298
9) A Endosulfan I	6.069	5.097	230.4E6	373.4E6	93.268	95.341
10) B gamma-Chl...	5.940	4.977	245.6E6	413.7E6	93.175	95.989
11) B alpha-Chl...	6.018	5.041	245.8E6	405.7E6	93.707	95.671
12) B 4,4'-DDE	6.192	5.230	218.0E6	389.2E6	93.377	95.559
13) MA Dieldrin	6.344	5.361	245.7E6	418.9E6	93.677	95.834
14) MA Endrin	6.573	5.636	207.9E6	360.8E6	93.612	96.484
15) B Endosulfa...	6.793	5.932	208.4E6	355.3E6	92.668	95.182
16) A 4,4'-DDD	6.710	5.785	166.1E6	313.4E6	92.438	96.236
17) MA 4,4'-DDT	7.023	6.035	175.6E6	327.0E6	93.077	95.995
18) B Endrin al...	6.924	6.110	167.3E6	286.1E6	92.130	94.674
19) B Endosulfa...	7.158	6.333	192.3E6	340.9E6	92.198	95.138
20) A Methoxychlor	7.499	6.609	90728367	165.2E6	91.292	93.795
21) B Endrin ke...	7.643	6.838	219.7E6	396.5E6	92.761	94.800
22) Mirex	8.115	7.018	175.3E6	309.9E6	91.817	94.309

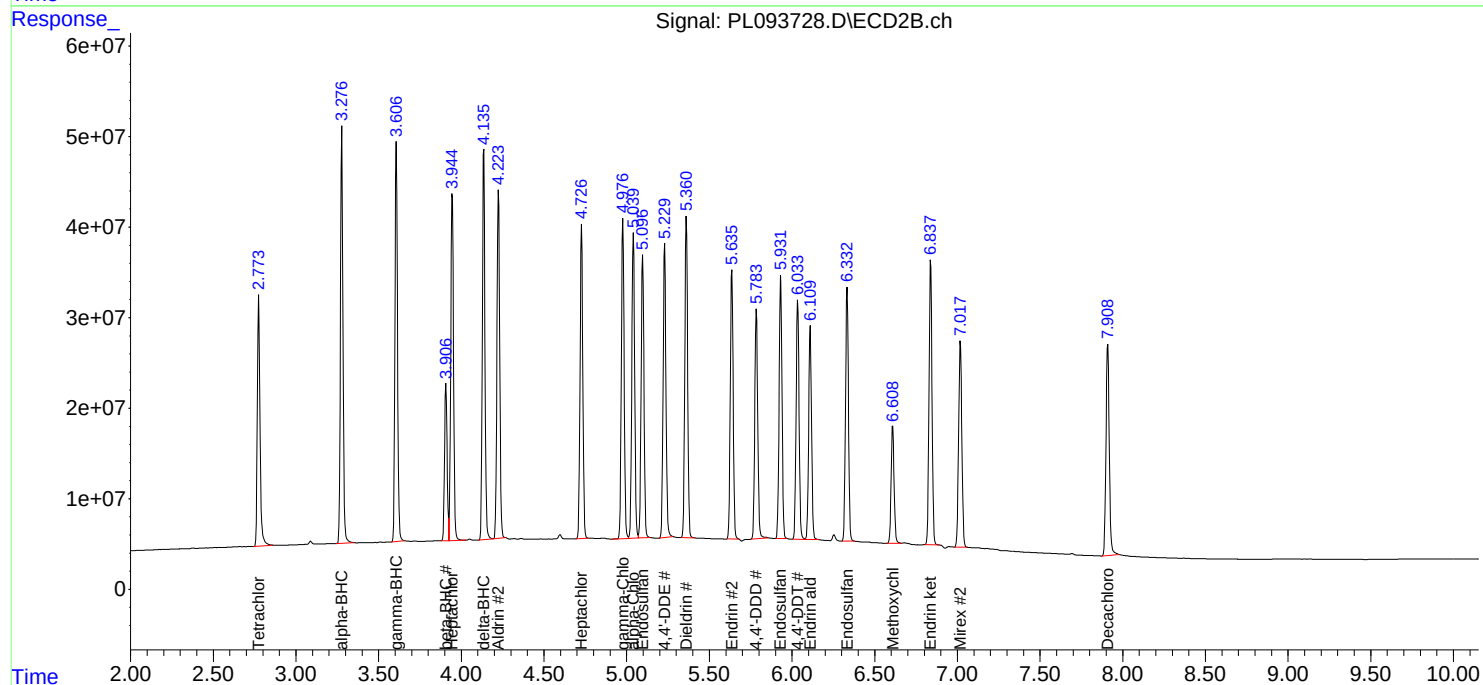
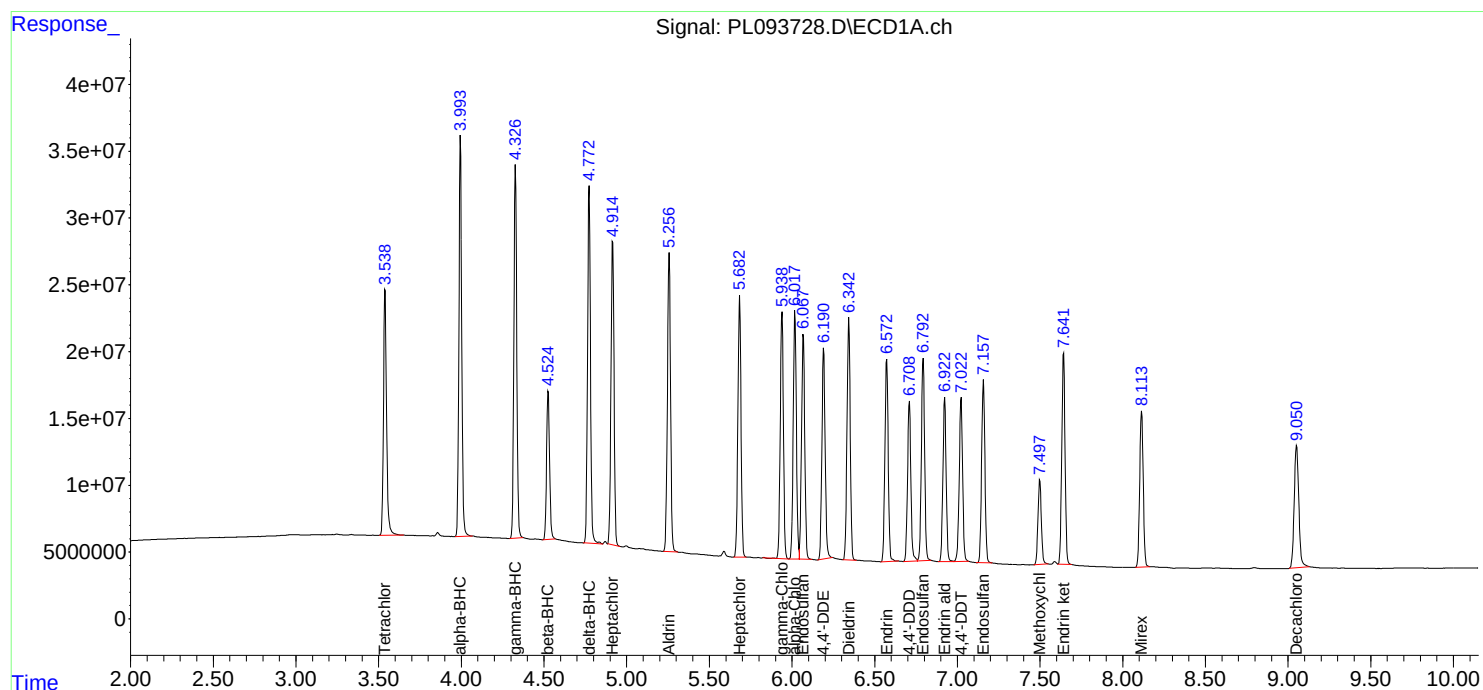
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

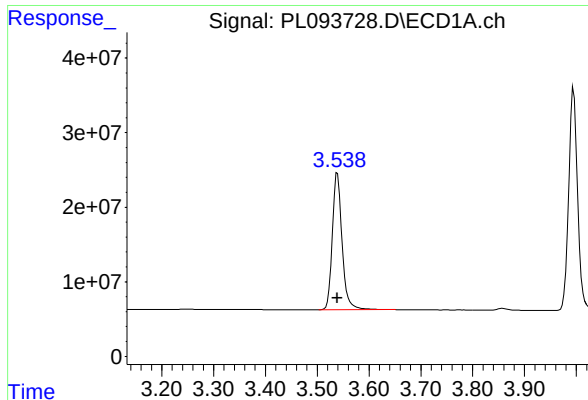
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093728.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:57
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 13:55:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

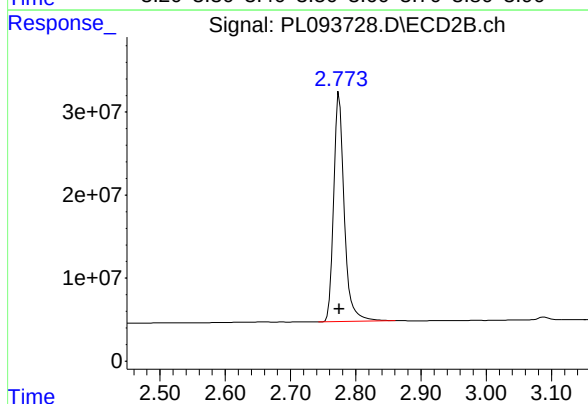




#1 Tetrachloro-m-xylene

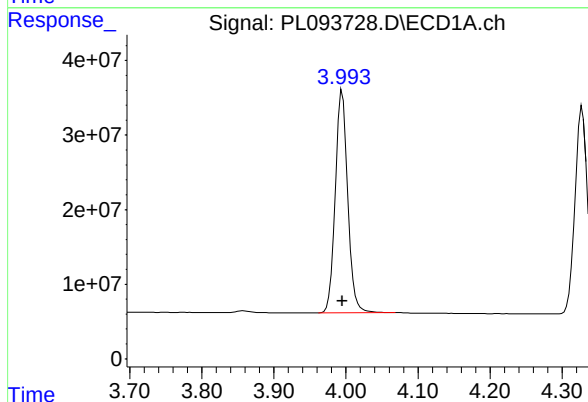
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 239787086
Conc: 93.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



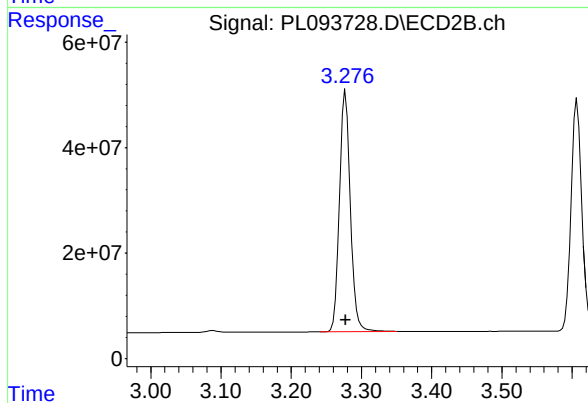
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.000 min
Response: 310121914
Conc: 94.86 ng/ml



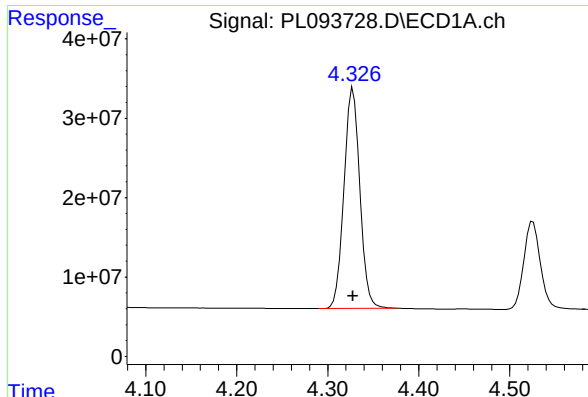
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 353769763
Conc: 94.90 ng/ml



#2 alpha-BHC

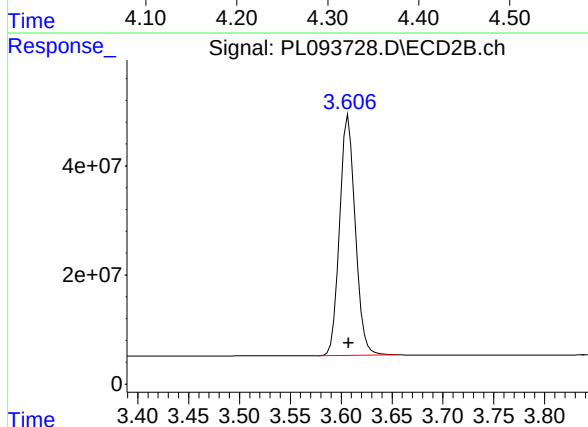
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 491419278
Conc: 96.50 ng/ml



#3 gamma-BHC (Lindane)

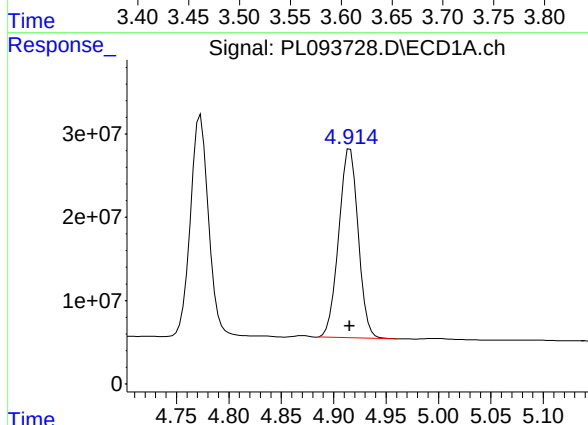
R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 337596128
Conc: 94.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



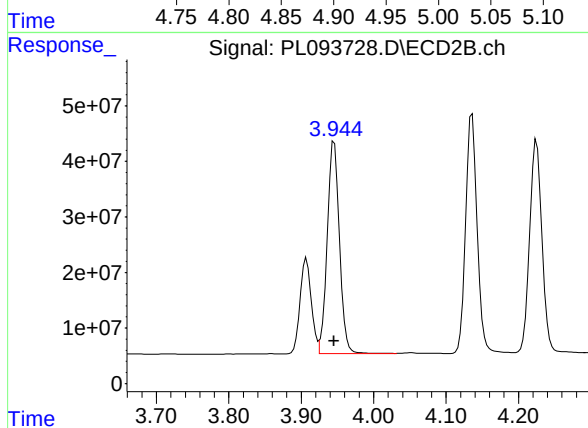
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 471337352
Conc: 96.21 ng/ml



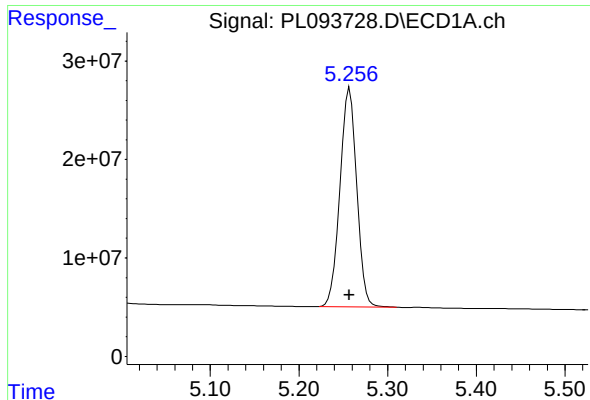
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 292250336
Conc: 93.55 ng/ml



#4 Heptachlor

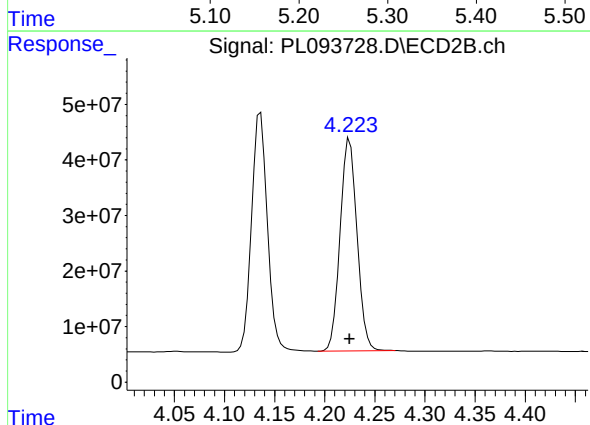
R.T.: 3.946 min
Delta R.T.: 0.000 min
Response: 450517764
Conc: 95.55 ng/ml



#5 Aldrin

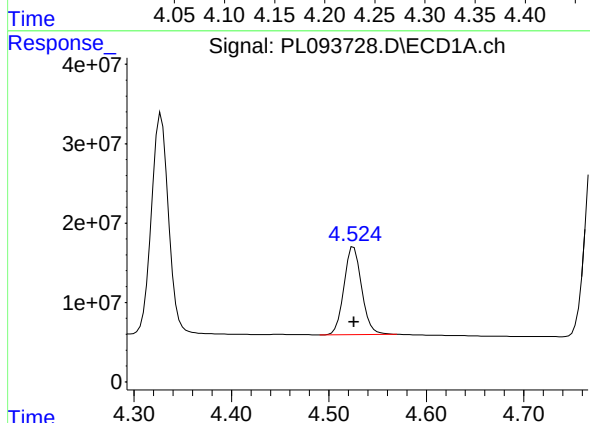
R.T.: 5.257 min
Delta R.T.: 0.000 min
Response: 292421818
Conc: 94.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



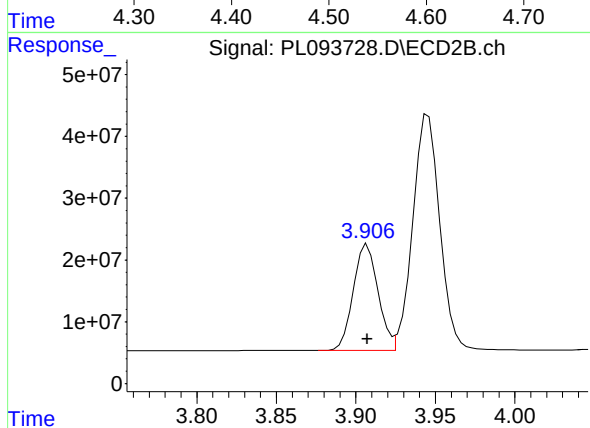
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: 0.000 min
Response: 448299060
Conc: 96.00 ng/ml



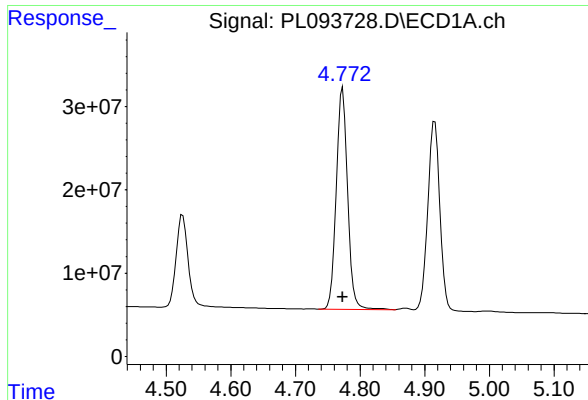
#6 beta-BHC

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 139346436
Conc: 92.54 ng/ml



#6 beta-BHC

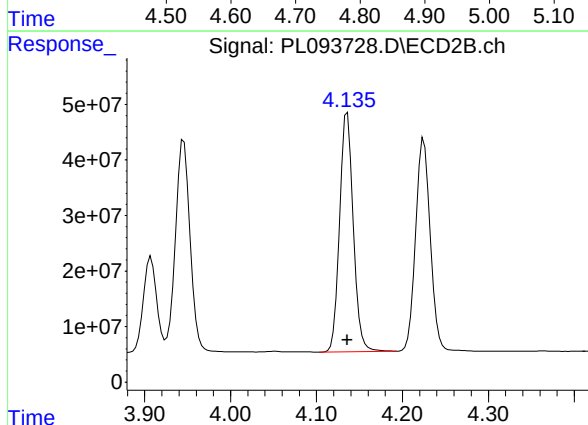
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 186343878
Conc: 94.70 ng/ml



#7 delta-BHC

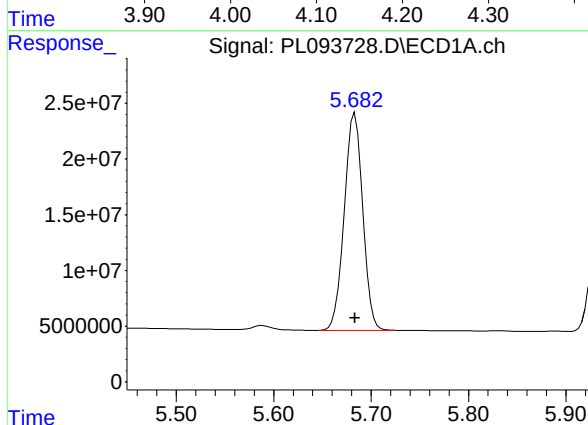
R.T.: 4.773 min
Delta R.T.: 0.000 min
Response: 323385715
Conc: 94.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



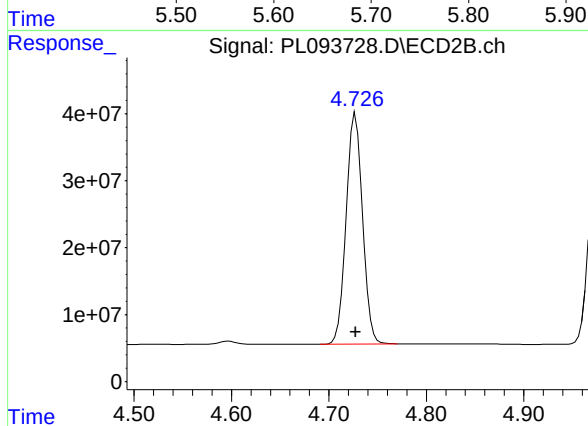
#7 delta-BHC

R.T.: 4.136 min
Delta R.T.: 0.000 min
Response: 474122692
Conc: 96.37 ng/ml



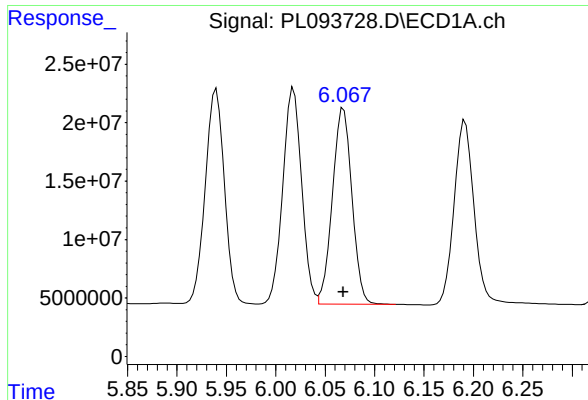
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 256867626
Conc: 93.03 ng/ml



#8 Heptachlor epoxide

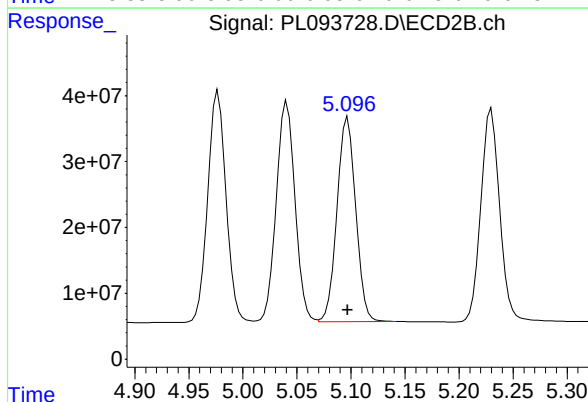
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 402684225
Conc: 95.30 ng/ml



#9 Endosulfan I

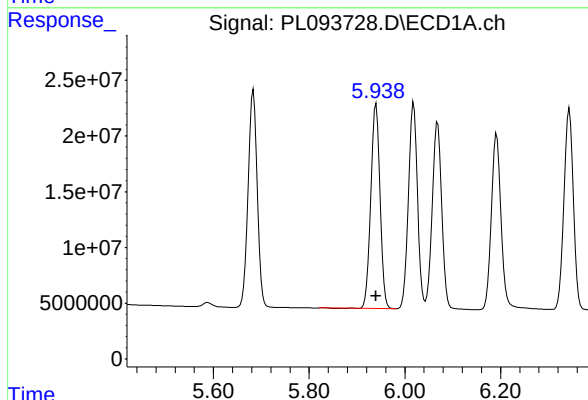
R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 230440433
Conc: 93.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



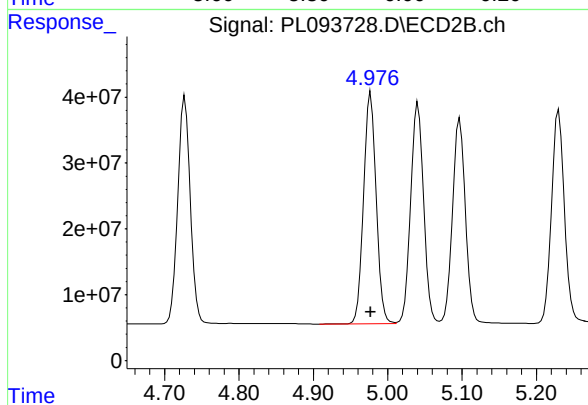
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 373410327
Conc: 95.34 ng/ml



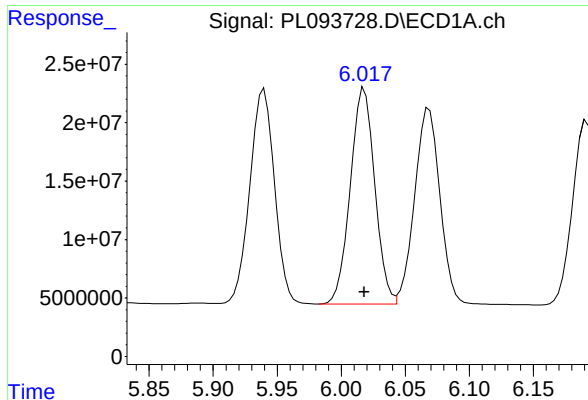
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 245583159
Conc: 93.17 ng/ml



#10 gamma-Chlordane

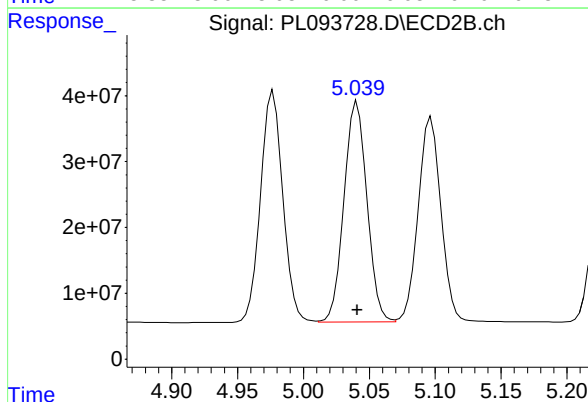
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 413724271
Conc: 95.99 ng/ml



#11 alpha-Chlordane

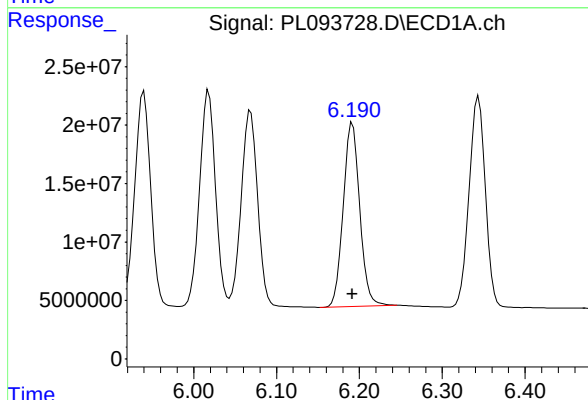
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 245806926
Conc: 93.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



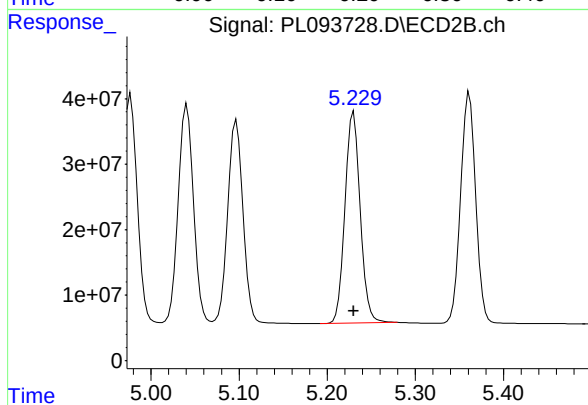
#11 alpha-Chlordane

R.T.: 5.041 min
Delta R.T.: 0.000 min
Response: 405697093
Conc: 95.67 ng/ml



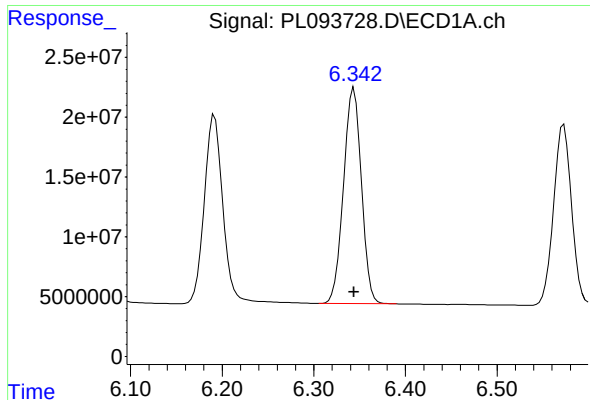
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 217987126
Conc: 93.38 ng/ml



#12 4,4'-DDE

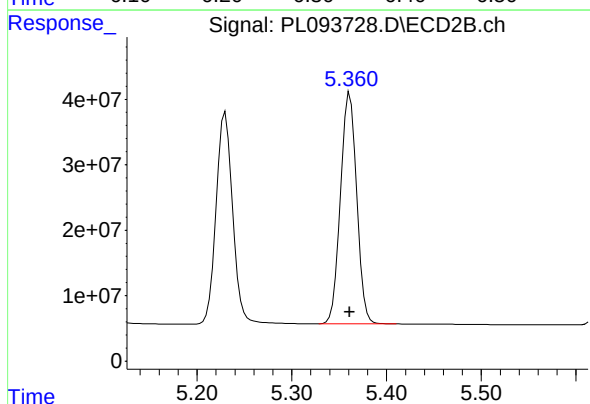
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 389192028
Conc: 95.56 ng/ml



#13 Dieldrin

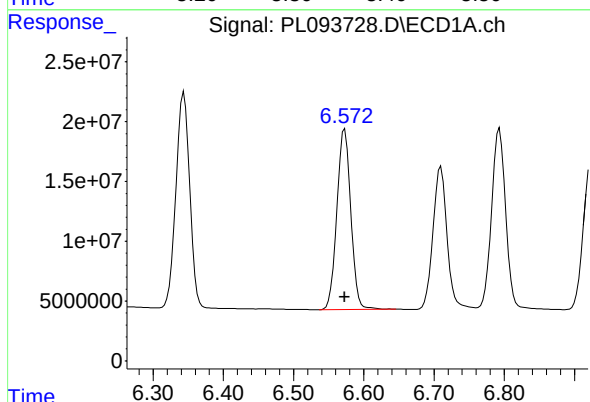
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 245657863
Conc: 93.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



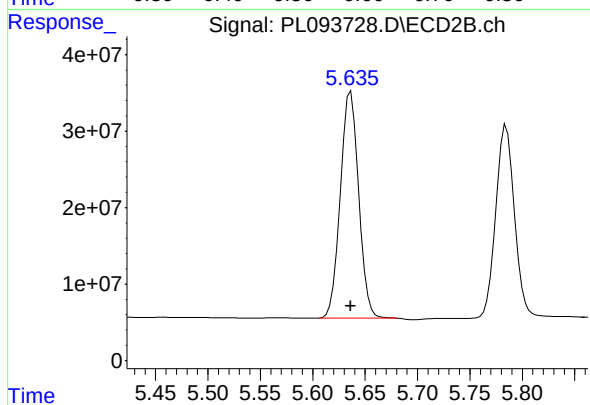
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 418929941
Conc: 95.83 ng/ml



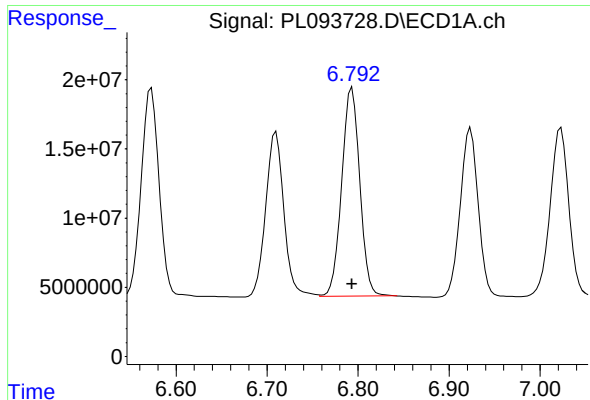
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 207942946
Conc: 93.61 ng/ml



#14 Endrin

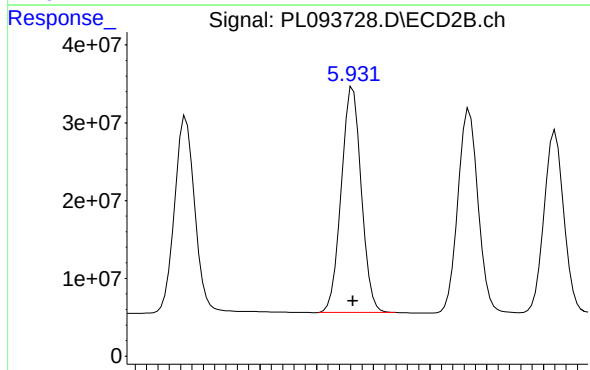
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 360776248
Conc: 96.48 ng/ml



#15 Endosulfan II

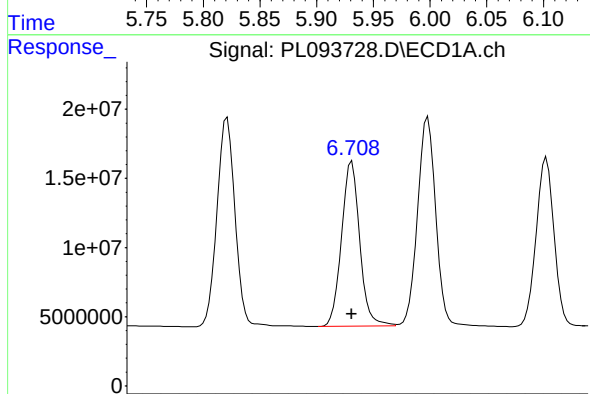
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 208413423
Conc: 92.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



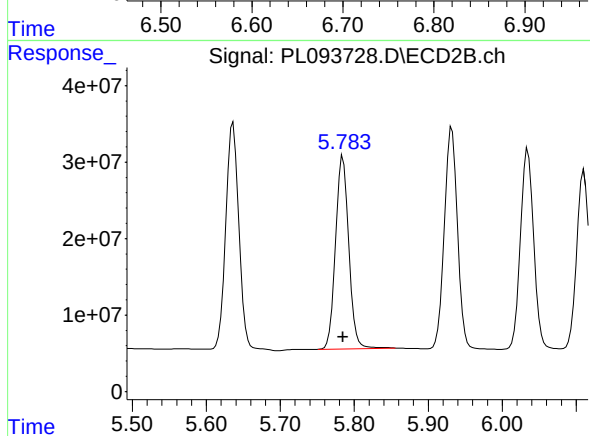
#15 Endosulfan II

R.T.: 5.932 min
Delta R.T.: 0.000 min
Response: 355326342
Conc: 95.18 ng/ml



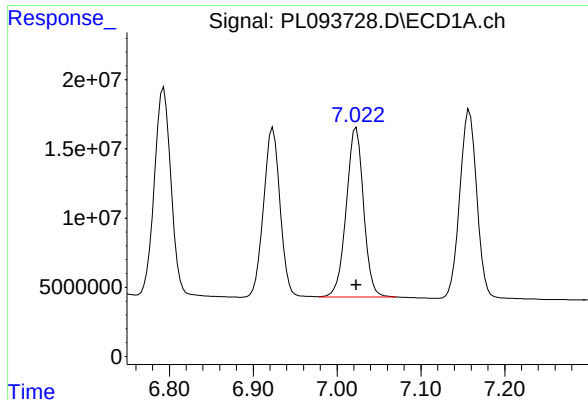
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 166092692
Conc: 92.44 ng/ml



#16 4,4'-DDD

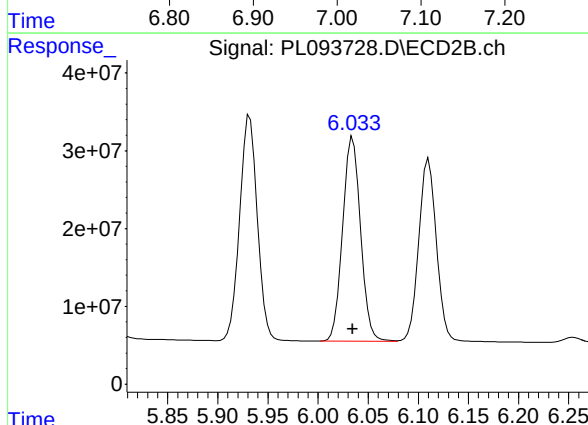
R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 313400411
Conc: 96.24 ng/ml



#17 4,4'-DDT

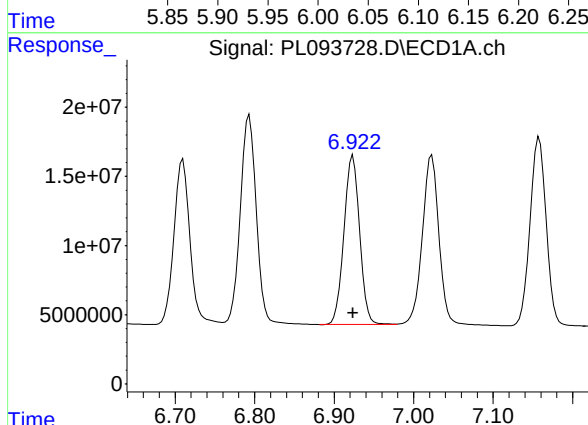
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 175556551
Conc: 93.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



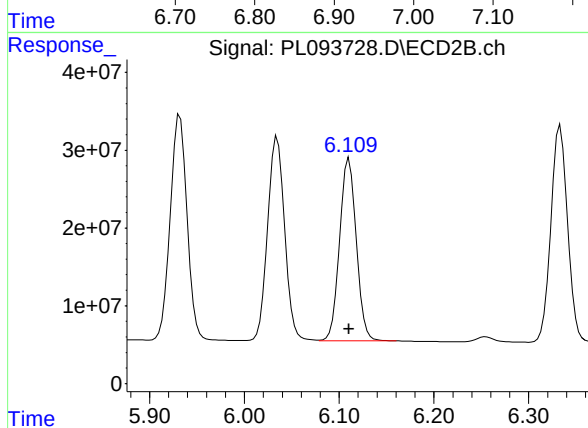
#17 4,4'-DDT

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 327000877
Conc: 96.00 ng/ml



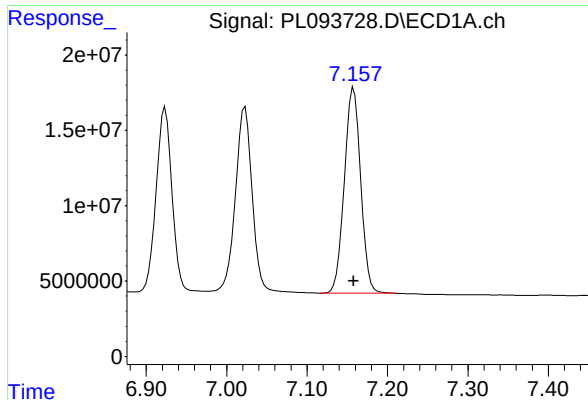
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.000 min
Response: 167311887
Conc: 92.13 ng/ml



#18 Endrin aldehyde

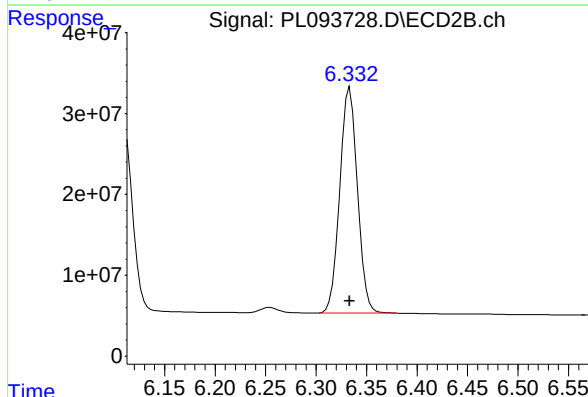
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 286145897
Conc: 94.67 ng/ml



#19 Endosulfan Sulfate

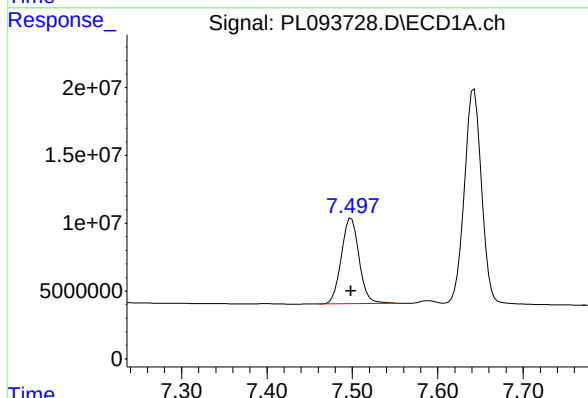
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 192310257
Conc: 92.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



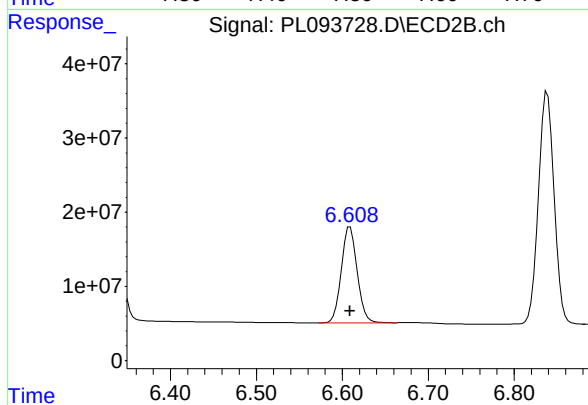
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 340862985
Conc: 95.14 ng/ml



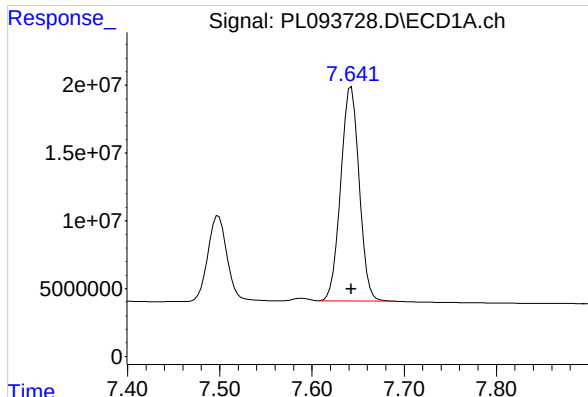
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 90728367
Conc: 91.29 ng/ml



#20 Methoxychlor

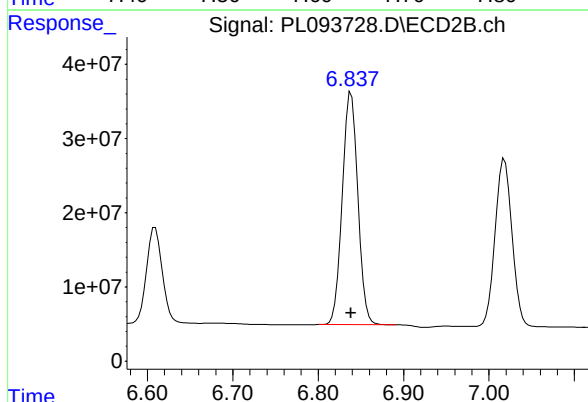
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 165186868
Conc: 93.80 ng/ml



#21 Endrin ketone

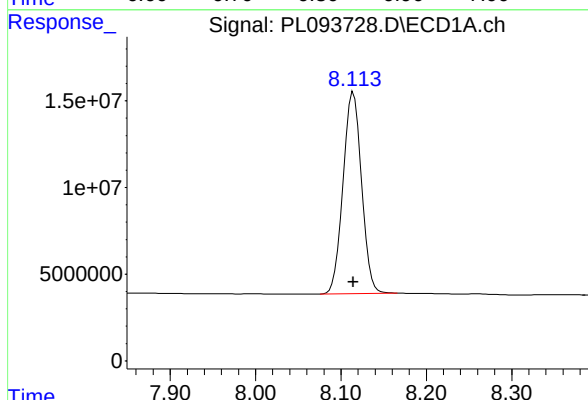
R.T.: 7.643 min
Delta R.T.: 0.000 min
Response: 219684904
Conc: 92.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



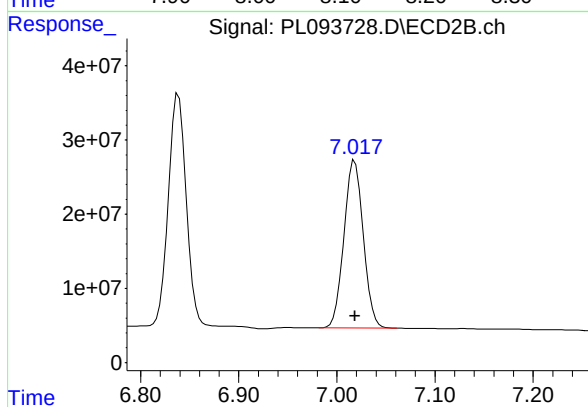
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 396512430
Conc: 94.80 ng/ml



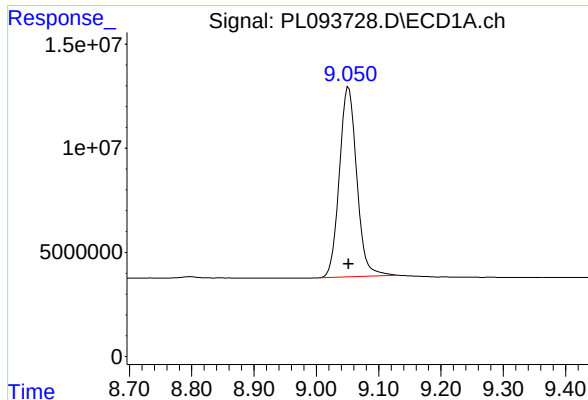
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 175302981
Conc: 91.82 ng/ml



#22 Mirex

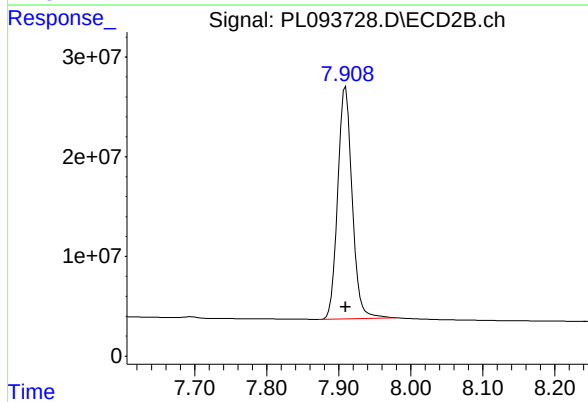
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 309908166
Conc: 94.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 176847808
Conc: 91.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC100



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 322668553
Conc: 94.16 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
 Data File : PL093729.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Jan 2025 11:10
 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: Jan 21 13:57:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 13:52:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.539	2.774	180.2E6	229.4E6	71.698	71.707
28)	SA Decachlor...	9.053	7.910	136.2E6	239.5E6	71.914	71.521
Target Compounds							
2)	A alpha-BHC	3.995	3.277	261.8E6	357.6E6	71.744	71.750
3)	MA gamma-BHC...	4.327	3.607	250.5E6	344.8E6	71.676	71.853
4)	MA Heptachlor	4.915	3.945	217.6E6	331.0E6	71.357	71.736
5)	MB Aldrin	5.256	4.225	217.3E6	327.8E6	71.516	71.729
6)	B beta-BHC	4.525	3.907	104.6E6	138.2E6	71.206	71.753
7)	B delta-BHC	4.772	4.136	239.6E6	345.6E6	71.632	71.760
8)	B Heptachlo...	5.683	4.727	193.2E6	296.0E6	71.570	71.629
9)	A Endosulfan I	6.068	5.097	172.4E6	274.6E6	71.433	71.672
10)	B gamma-Chl...	5.938	4.977	185.4E6	301.3E6	71.825	71.519
11)	B alpha-Chl...	6.017	5.041	184.4E6	297.2E6	71.795	71.644
12)	B 4,4'-DDE	6.191	5.230	162.7E6	285.6E6	71.391	71.673
13)	MA Dieldrin	6.343	5.361	183.1E6	305.8E6	71.456	71.552
14)	MA Endrin	6.573	5.637	154.6E6	261.1E6	71.302	71.468
15)	B Endosulfa...	6.793	5.931	157.5E6	261.6E6	71.626	71.638
16)	A 4,4'-DDD	6.709	5.784	126.0E6	229.1E6	71.668	71.836
17)	MA 4,4'-DDT	7.022	6.034	132.5E6	238.3E6	71.766	71.567
18)	B Endrin al...	6.923	6.110	127.2E6	211.5E6	71.622	71.578
19)	B Endosulfa...	7.157	6.333	145.9E6	251.5E6	71.548	71.726
20)	A Methoxychlor	7.498	6.609	69158182	122.6E6	71.303	71.307
21)	B Endrin ke...	7.642	6.838	165.4E6	291.1E6	71.484	71.317
22)	Mirex	8.115	7.018	133.6E6	229.7E6	71.590	71.522

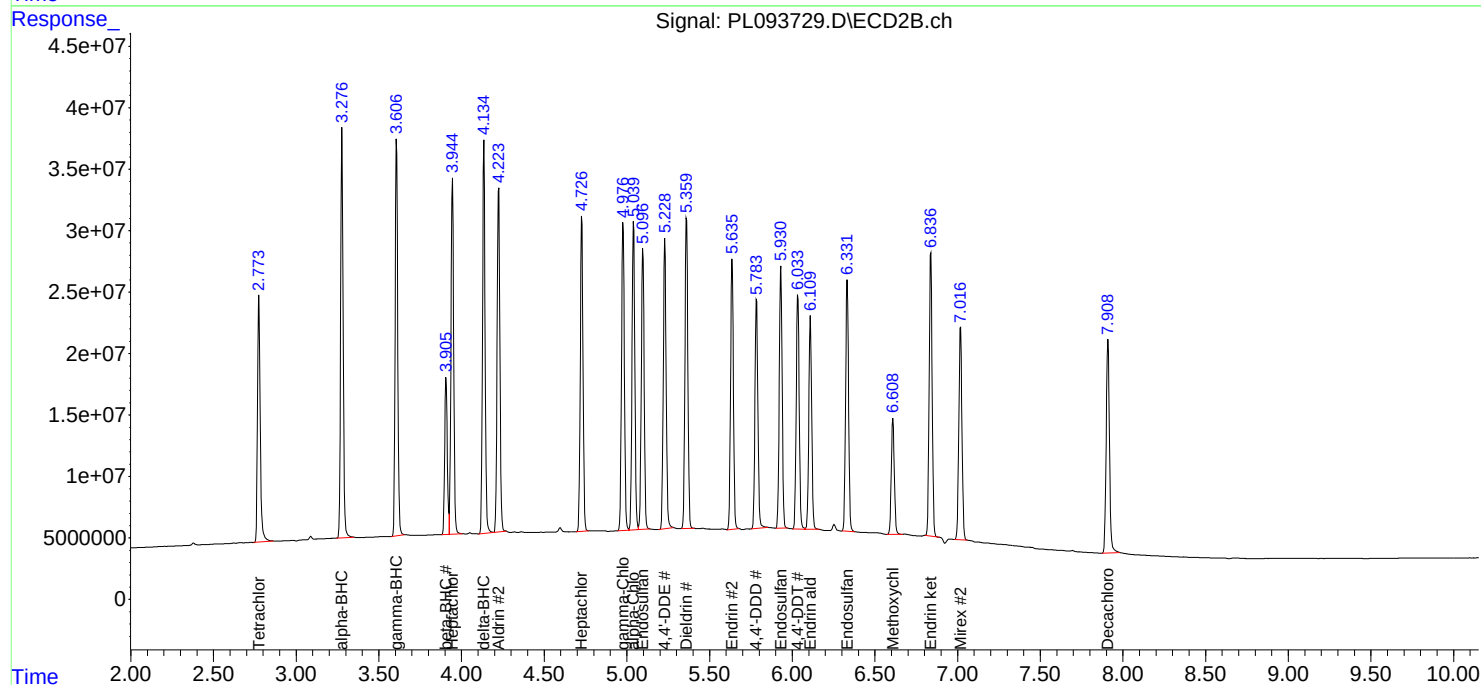
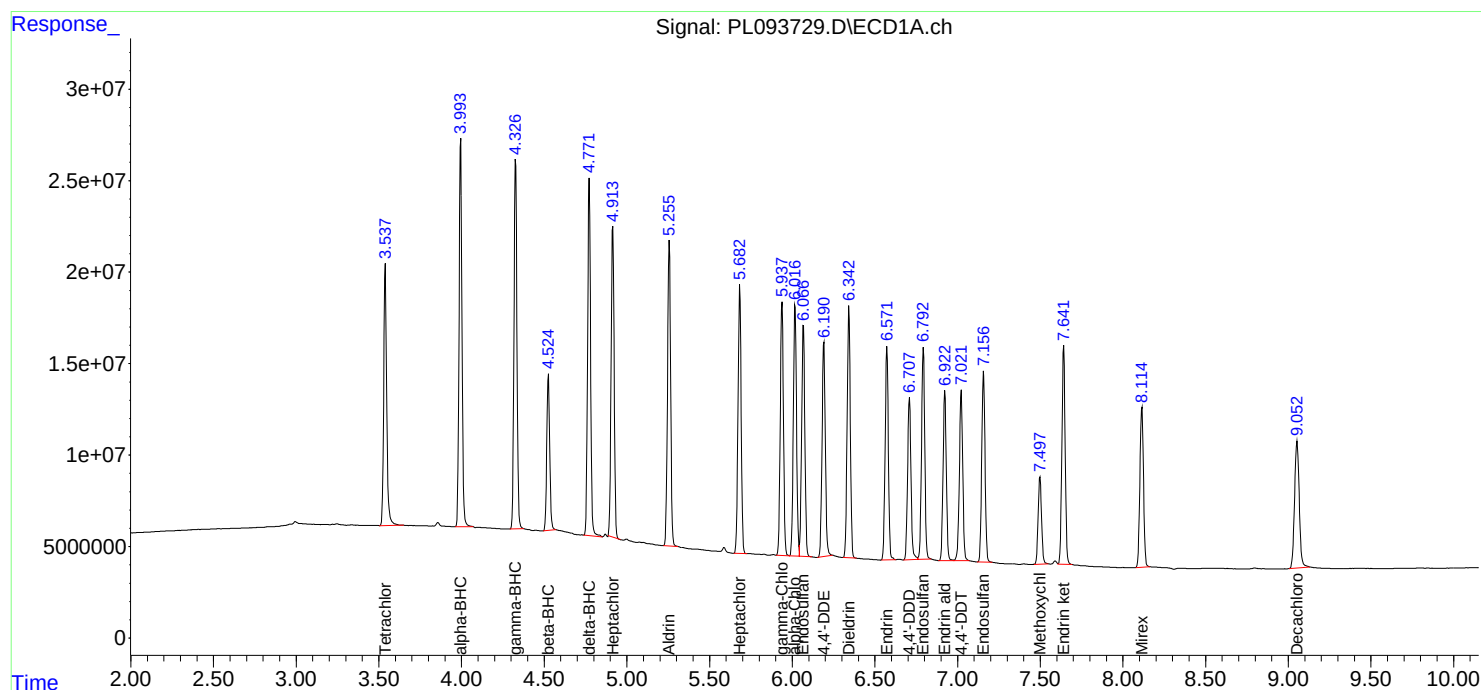
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

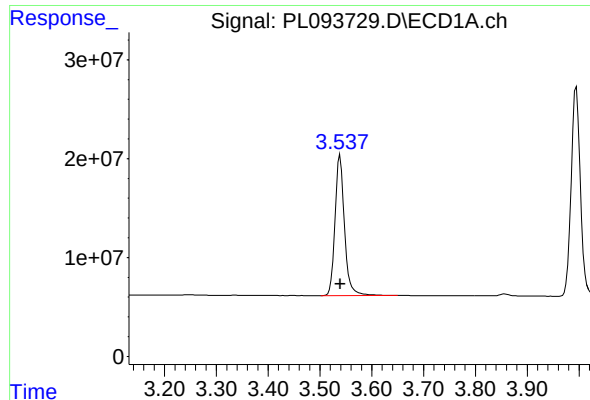
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093729.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:10
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 13:57:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

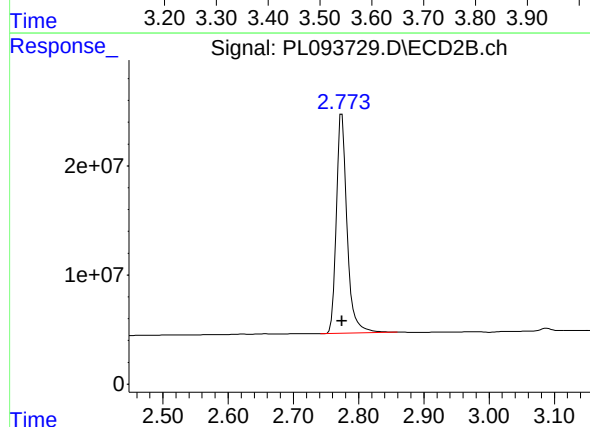




#1 Tetrachloro-m-xylene

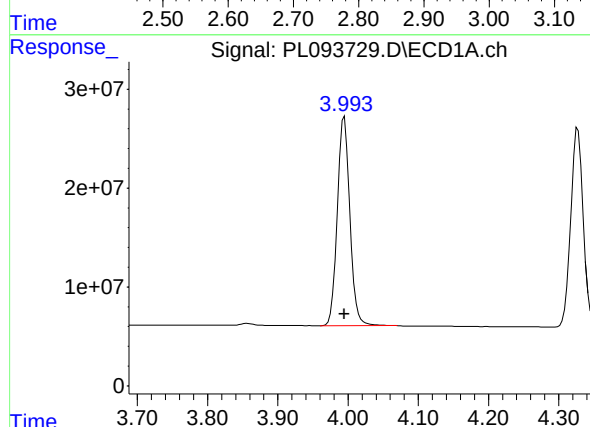
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 180223207
Conc: 71.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



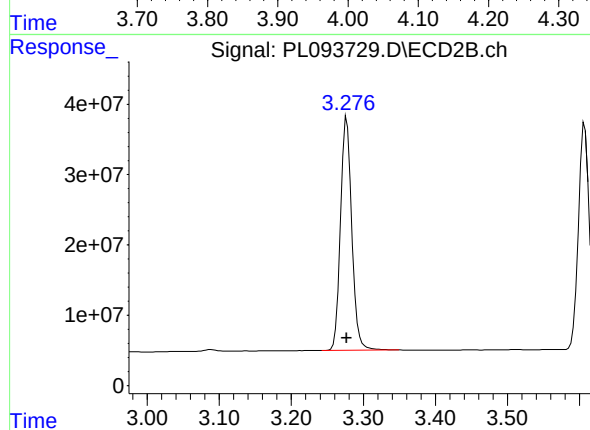
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 229390960
Conc: 71.71 ng/ml



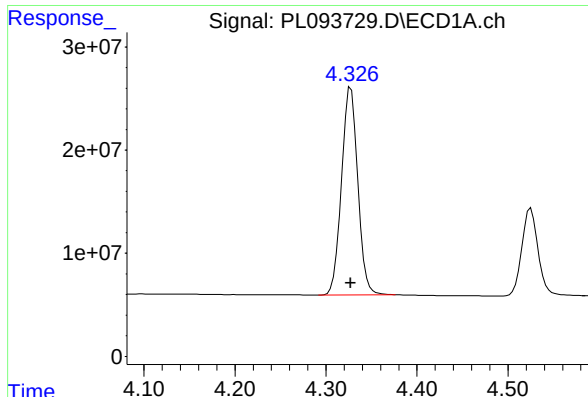
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 261771076
Conc: 71.74 ng/ml



#2 alpha-BHC

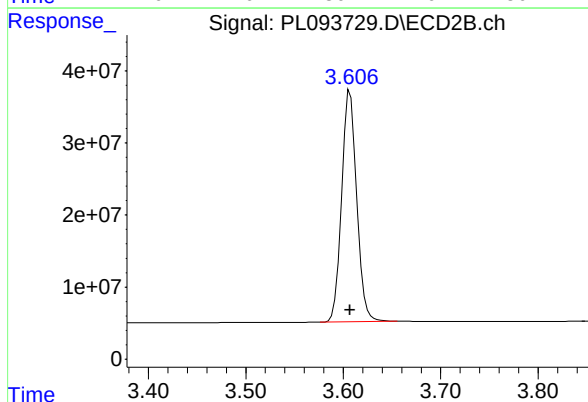
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 357647885
Conc: 71.75 ng/ml



#3 gamma-BHC (Lindane)

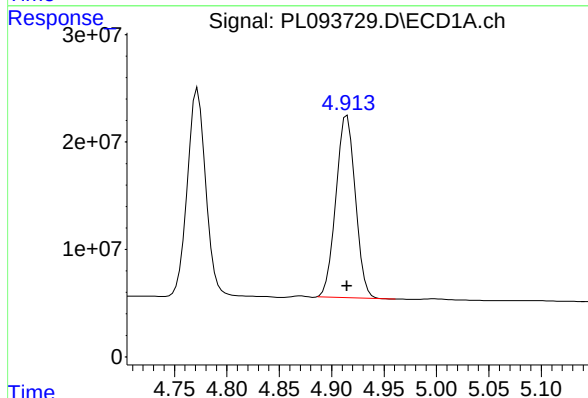
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 250451076
Conc: 71.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



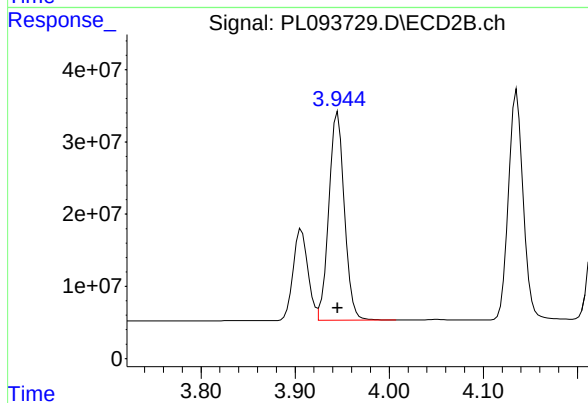
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 344775667
Conc: 71.85 ng/ml



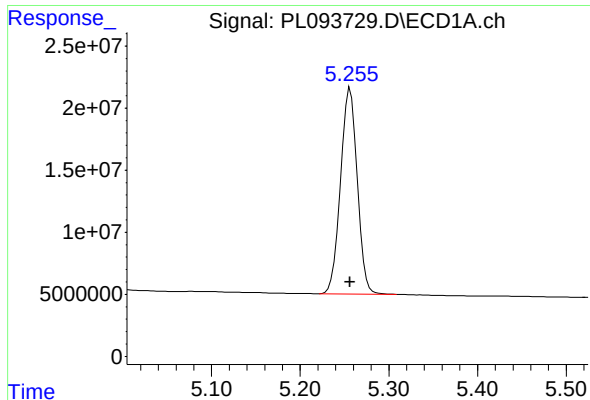
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 217626800
Conc: 71.36 ng/ml



#4 Heptachlor

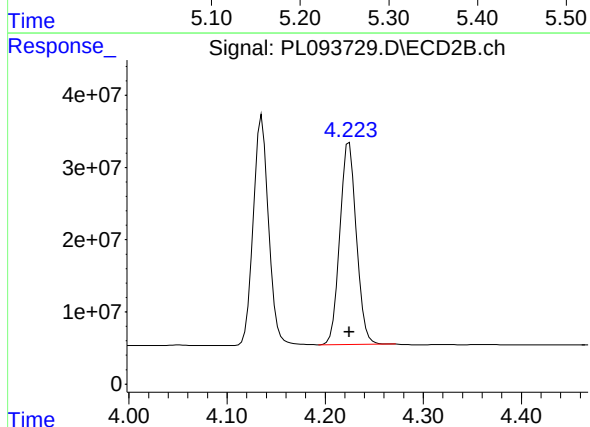
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 331031082
Conc: 71.74 ng/ml



#5 Aldrin

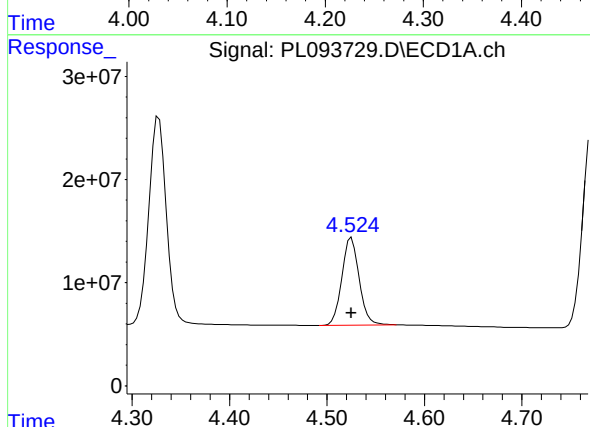
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 217256477
Conc: 71.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



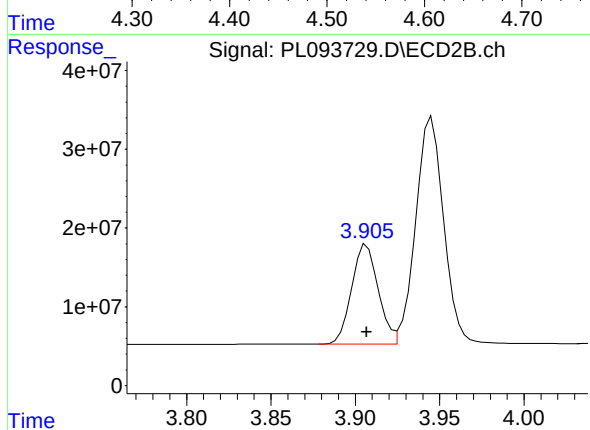
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: 0.000 min
Response: 327810801
Conc: 71.73 ng/ml



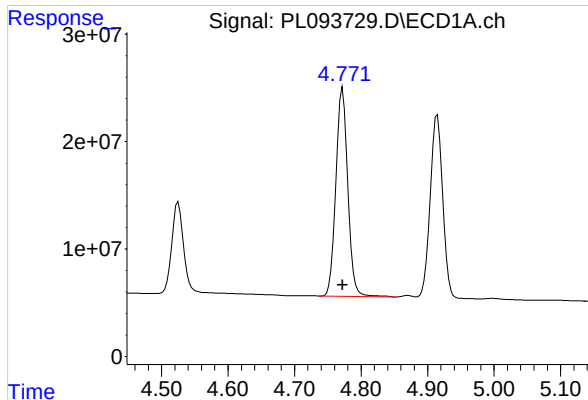
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 104583271
Conc: 71.21 ng/ml



#6 beta-BHC

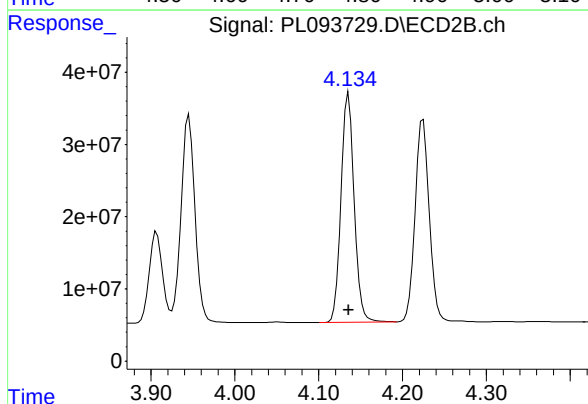
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 138204189
Conc: 71.75 ng/ml



#7 delta-BHC

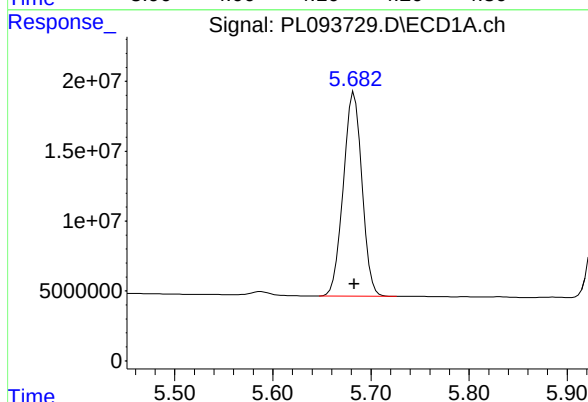
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 239591328
Conc: 71.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



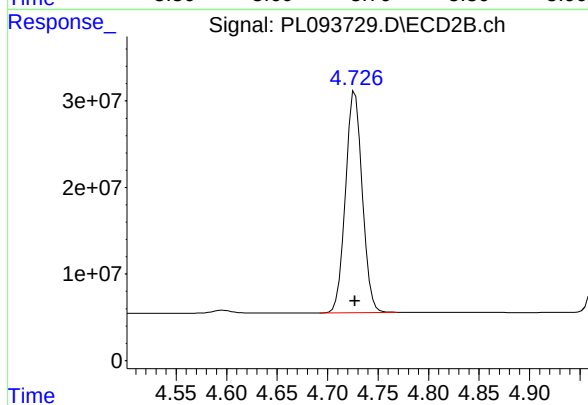
#7 delta-BHC

R.T.: 4.136 min
Delta R.T.: 0.000 min
Response: 345593516
Conc: 71.76 ng/ml



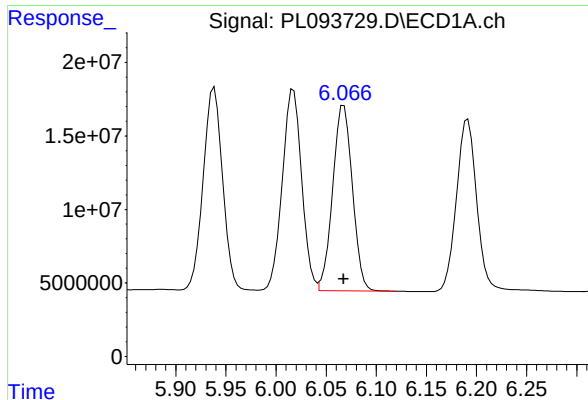
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 193196976
Conc: 71.57 ng/ml



#8 Heptachlor epoxide

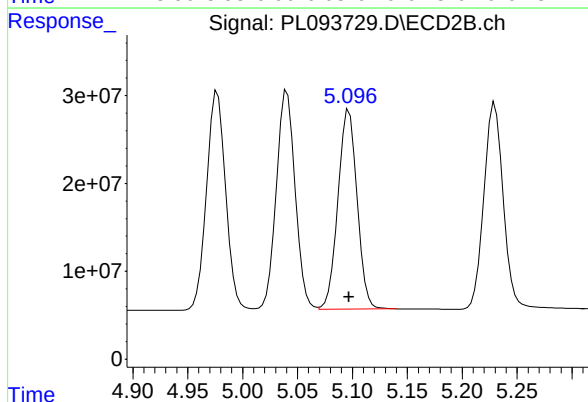
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 296015685
Conc: 71.63 ng/ml



#9 Endosulfan I

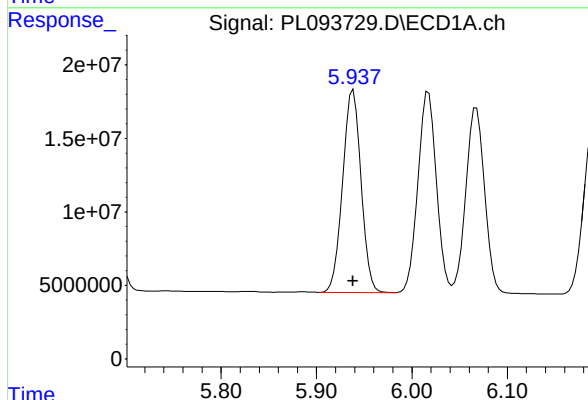
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 172391226
Conc: 71.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



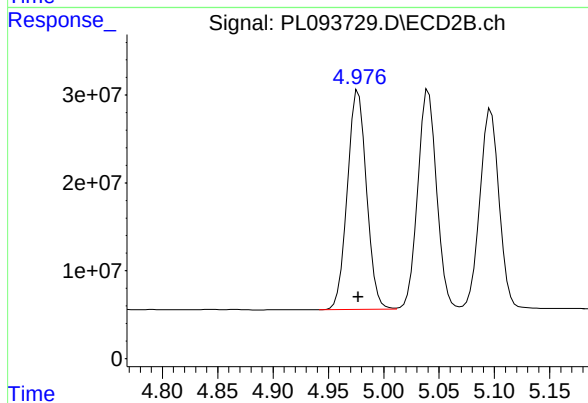
#9 Endosulfan I

R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 274618139
Conc: 71.67 ng/ml



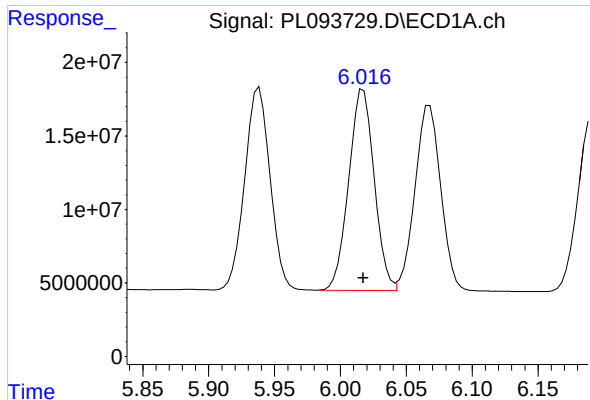
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 185387384
Conc: 71.83 ng/ml



#10 gamma-Chlordane

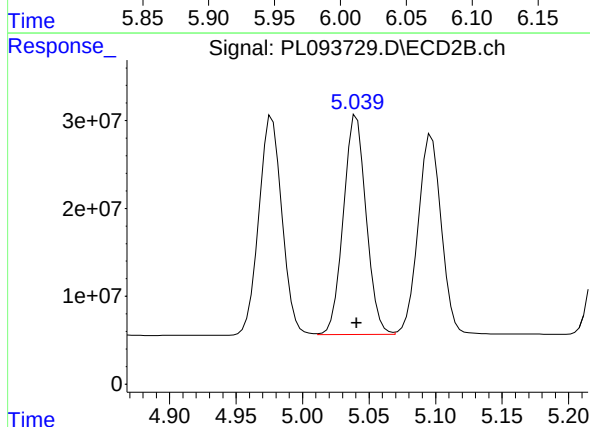
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 301264863
Conc: 71.52 ng/ml



#11 alpha-Chlordane

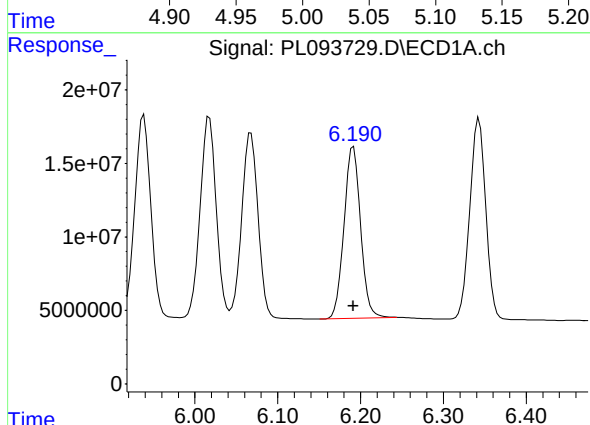
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 184386873
Conc: 71.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



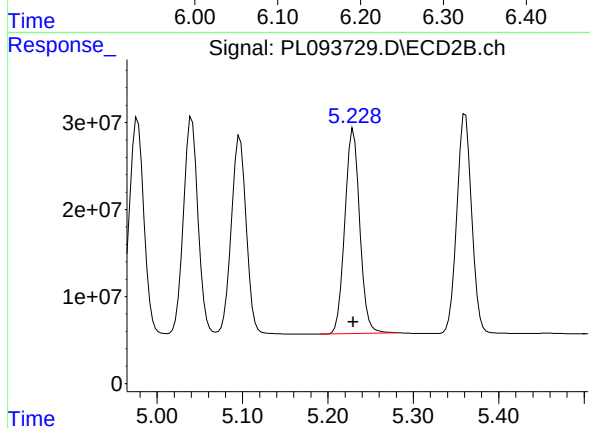
#11 alpha-Chlordane

R.T.: 5.041 min
Delta R.T.: 0.000 min
Response: 297157887
Conc: 71.64 ng/ml



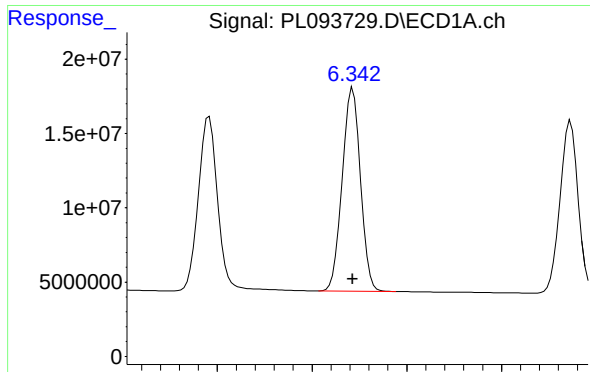
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 162744494
Conc: 71.39 ng/ml



#12 4,4'-DDE

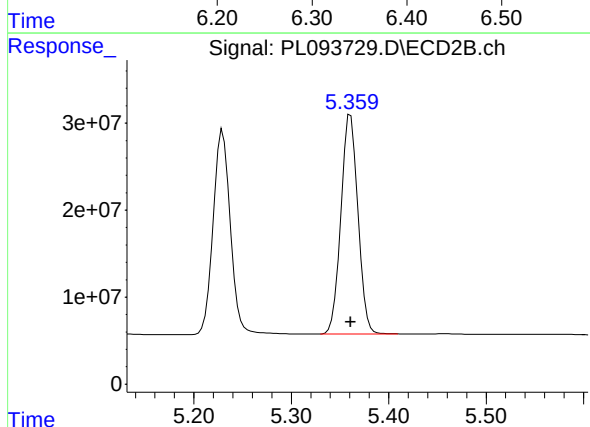
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 285573154
Conc: 71.67 ng/ml



#13 Dieldrin

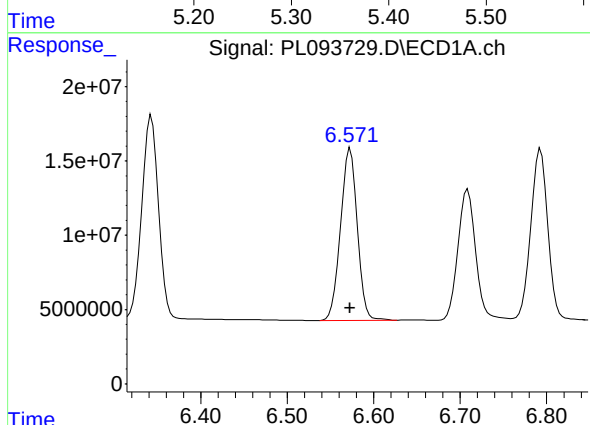
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 183061011
Conc: 71.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



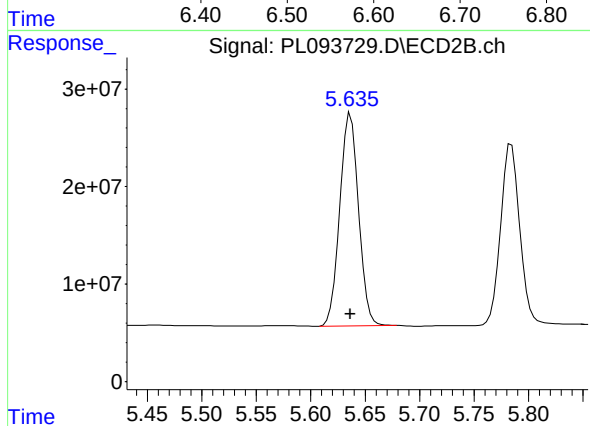
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 305757664
Conc: 71.55 ng/ml



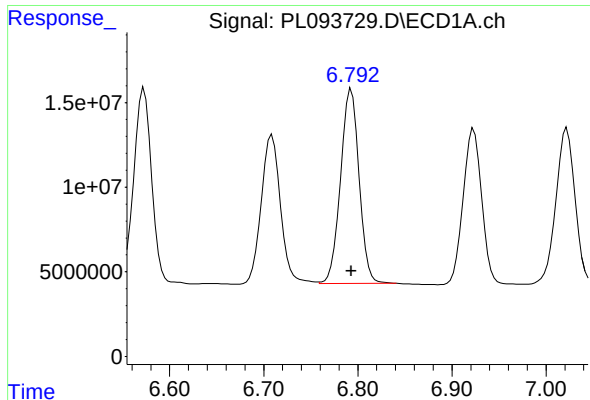
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 154574222
Conc: 71.30 ng/ml



#14 Endrin

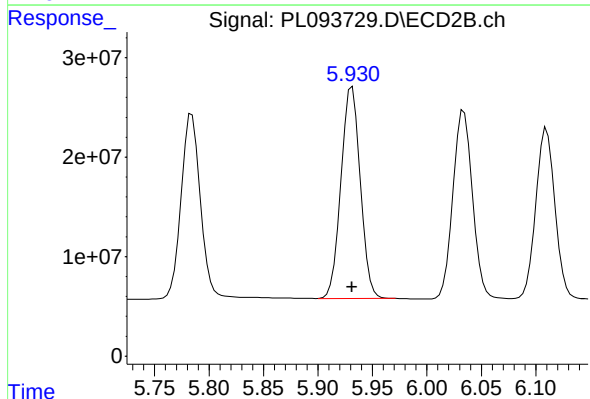
R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 261087919
Conc: 71.47 ng/ml



#15 Endosulfan II

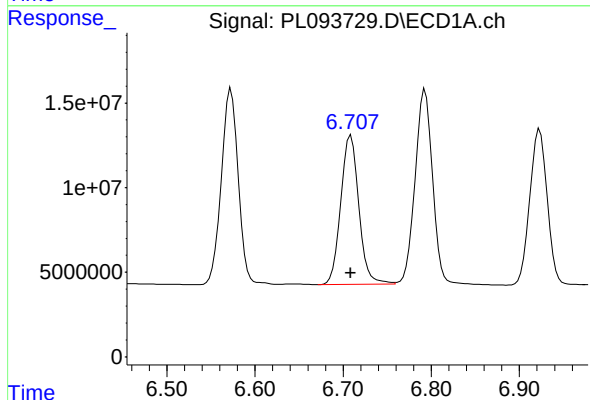
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 157545345
Conc: 71.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



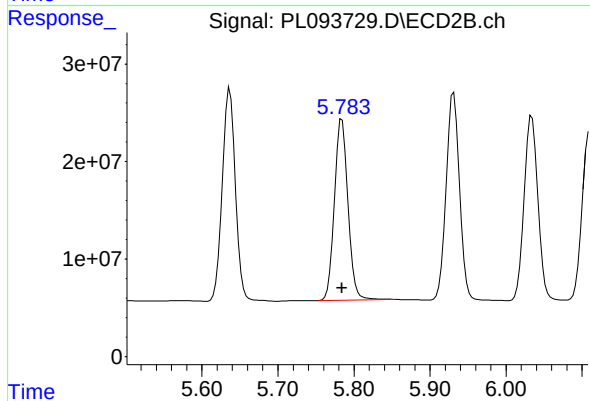
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 261572754
Conc: 71.64 ng/ml



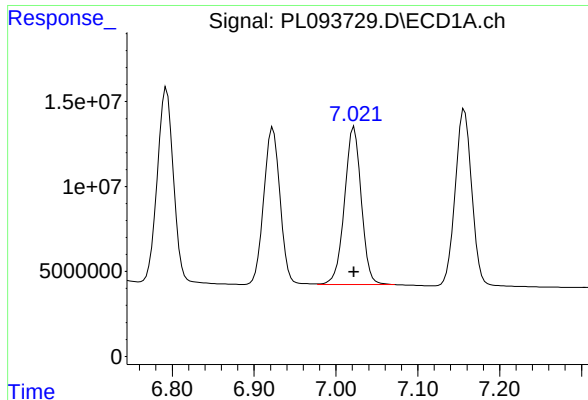
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 125973987
Conc: 71.67 ng/ml



#16 4,4'-DDD

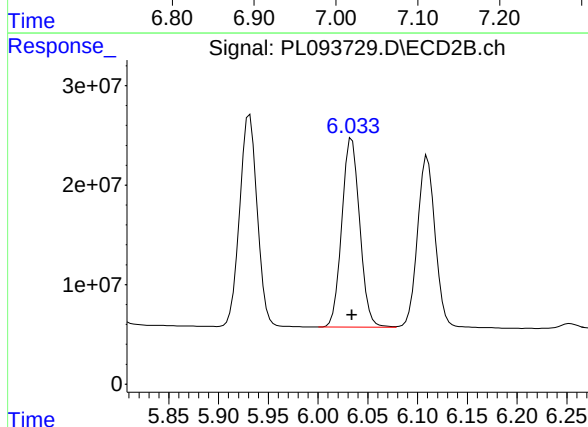
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 229105062
Conc: 71.84 ng/ml



#17 4,4'-DDT

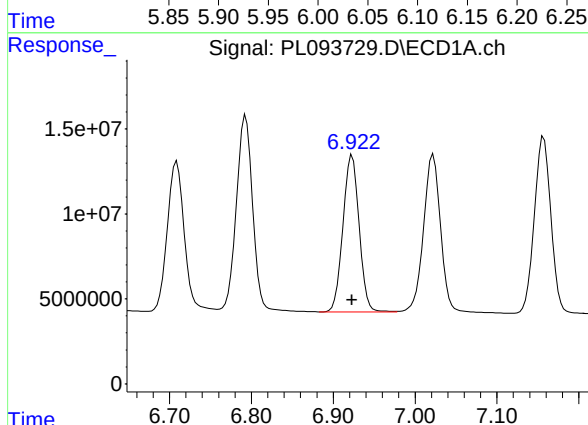
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 132503378
Conc: 71.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



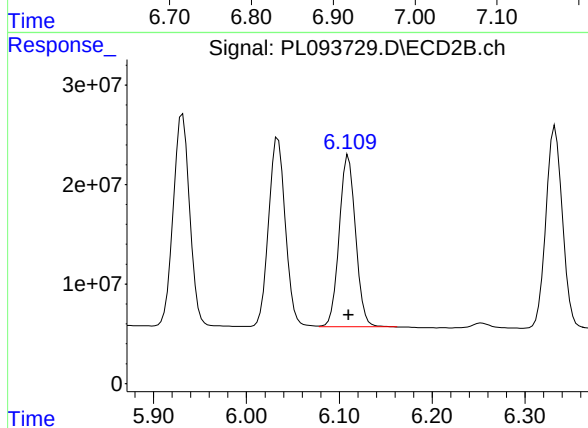
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 238334747
Conc: 71.57 ng/ml



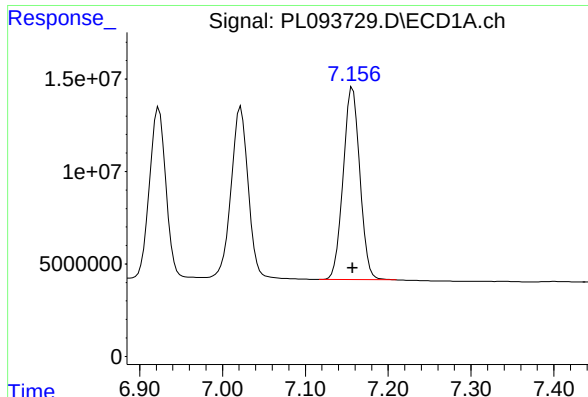
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 127202927
Conc: 71.62 ng/ml



#18 Endrin aldehyde

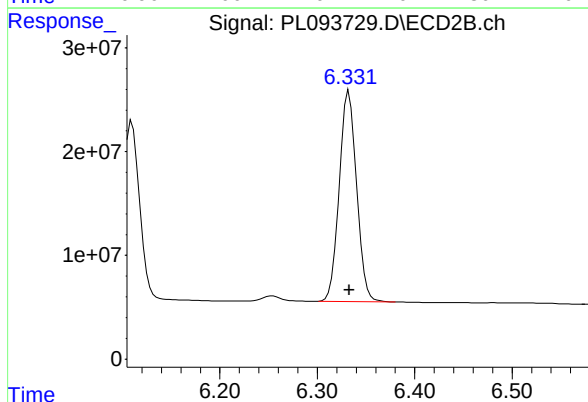
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 211513516
Conc: 71.58 ng/ml



#19 Endosulfan Sulfate

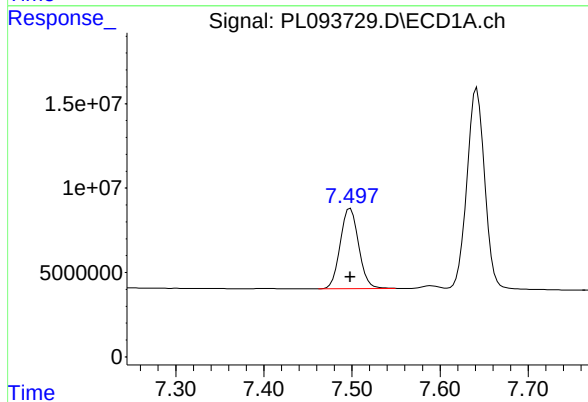
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 145880361
Conc: 71.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



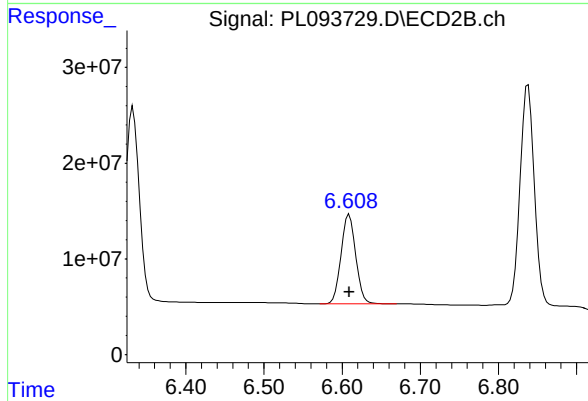
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 251492996
Conc: 71.73 ng/ml



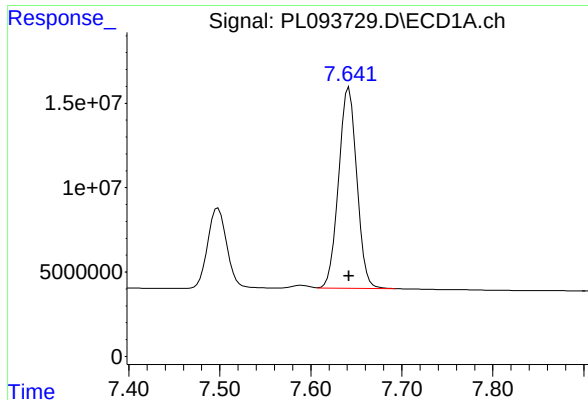
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 69158182
Conc: 71.30 ng/ml



#20 Methoxychlor

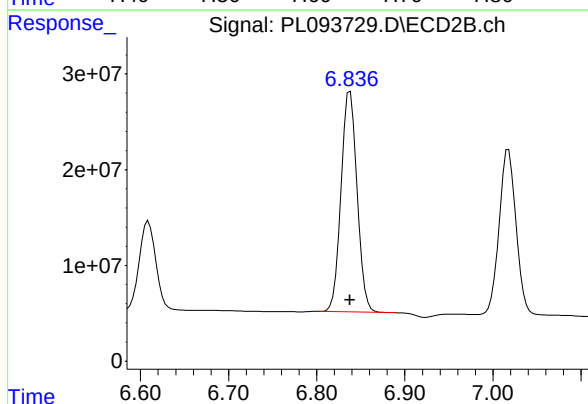
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 122564991
Conc: 71.31 ng/ml



#21 Endrin ketone

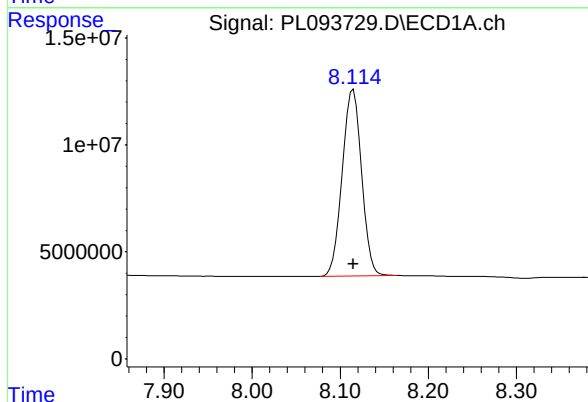
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 165416371
Conc: 71.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



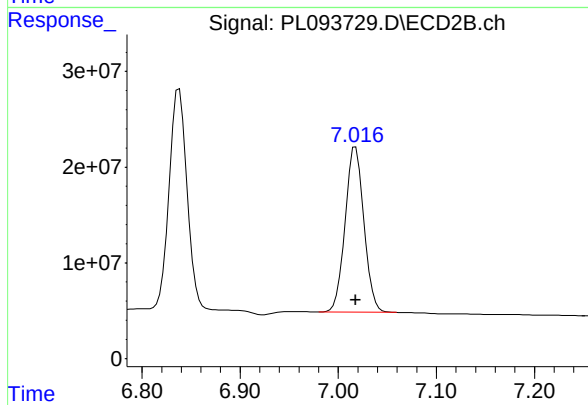
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 291141748
Conc: 71.32 ng/ml



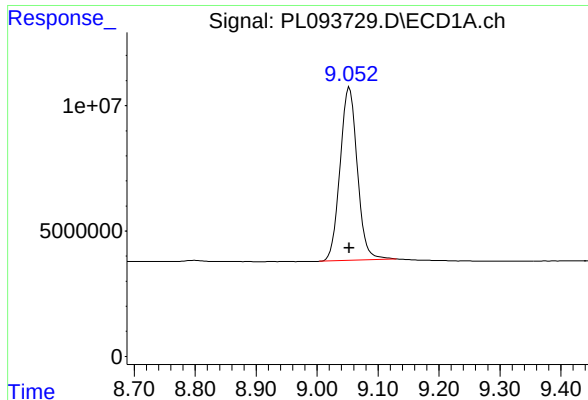
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 133645314
Conc: 71.59 ng/ml



#22 Mirex

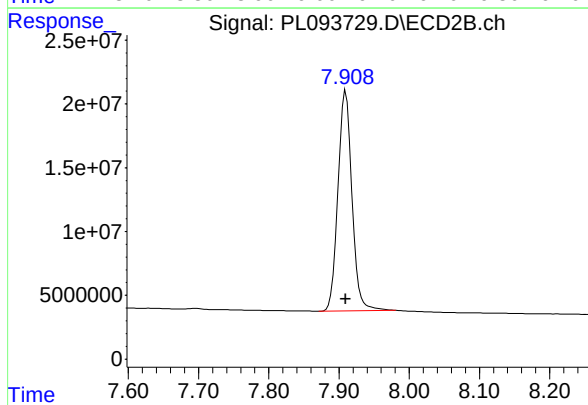
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 229698971
Conc: 71.52 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 136236362
Conc: 71.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC075



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 239534634
Conc: 71.52 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093730.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:24
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: Jan 21 13:53:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.539	2.774	137.0E6	171.9E6	50.000	50.000
28) SA Decachlor...	9.053	7.910	104.9E6	181.4E6	50.000	50.000
Target Compounds						
2) A alpha-BHC	3.995	3.277	195.9E6	263.6E6	50.000	50.000
3) MA gamma-BHC...	4.327	3.607	188.4E6	254.2E6	50.000	50.000
4) MA Heptachlor	4.914	3.945	166.3E6	246.2E6	50.000	50.000
5) MB Aldrin	5.256	4.225	164.6E6	242.8E6	50.000	50.000
6) B beta-BHC	4.525	3.907	80914447	103.6E6	50.000	50.000
7) B delta-BHC	4.772	4.136	180.3E6	254.9E6	50.000	50.000
8) B Heptachlo...	5.682	4.727	147.7E6	221.2E6	50.000	50.000
9) A Endosulfan I	6.067	5.096	131.9E6	205.0E6	50.000	50.000
10) B gamma-Chl...	5.938	4.977	140.8E6	224.2E6	50.000	50.000
11) B alpha-Chl...	6.017	5.040	139.4E6	221.2E6	50.000	50.000
12) B 4,4'-DDE	6.191	5.230	124.5E6	212.7E6	50.000	50.000
13) MA Dieldrin	6.343	5.361	139.4E6	227.7E6	50.000	50.000
14) MA Endrin	6.572	5.636	118.2E6	193.5E6	50.000	50.000
15) B Endosulfa...	6.792	5.931	120.7E6	195.6E6	50.000	50.000
16) A 4,4'-DDD	6.708	5.784	96633741	169.0E6	50.000	50.000
17) MA 4,4'-DDT	7.022	6.034	100.8E6	177.1E6	50.000	50.000
18) B Endrin al...	6.923	6.110	97948460	159.2E6	50.000	50.000
19) B Endosulfa...	7.157	6.333	112.4E6	187.9E6	50.000	50.000
20) A Methoxychlor	7.498	6.609	54018493	93520516	50.000	50.000
21) B Endrin ke...	7.642	6.839	127.0E6	220.0E6	50.000	50.000
22) Mirex	8.115	7.018	103.3E6	173.7E6	50.000	50.000

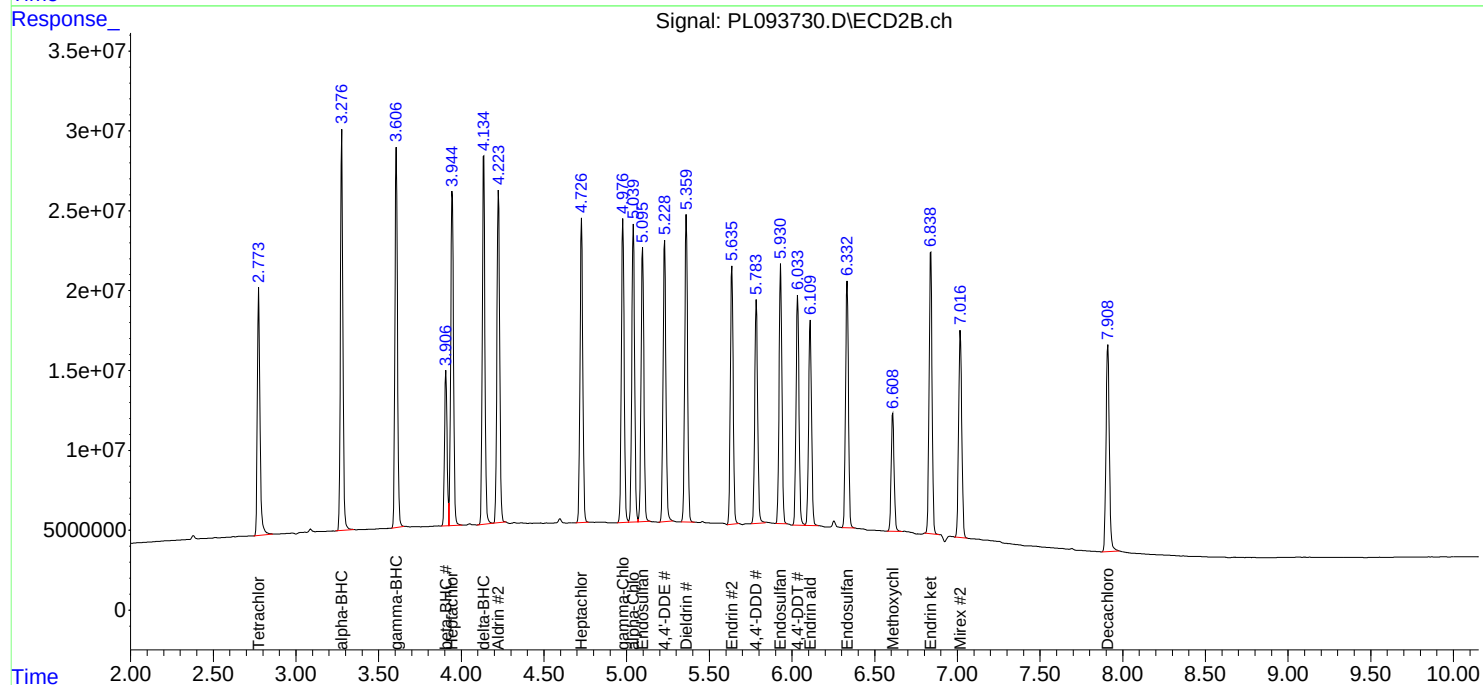
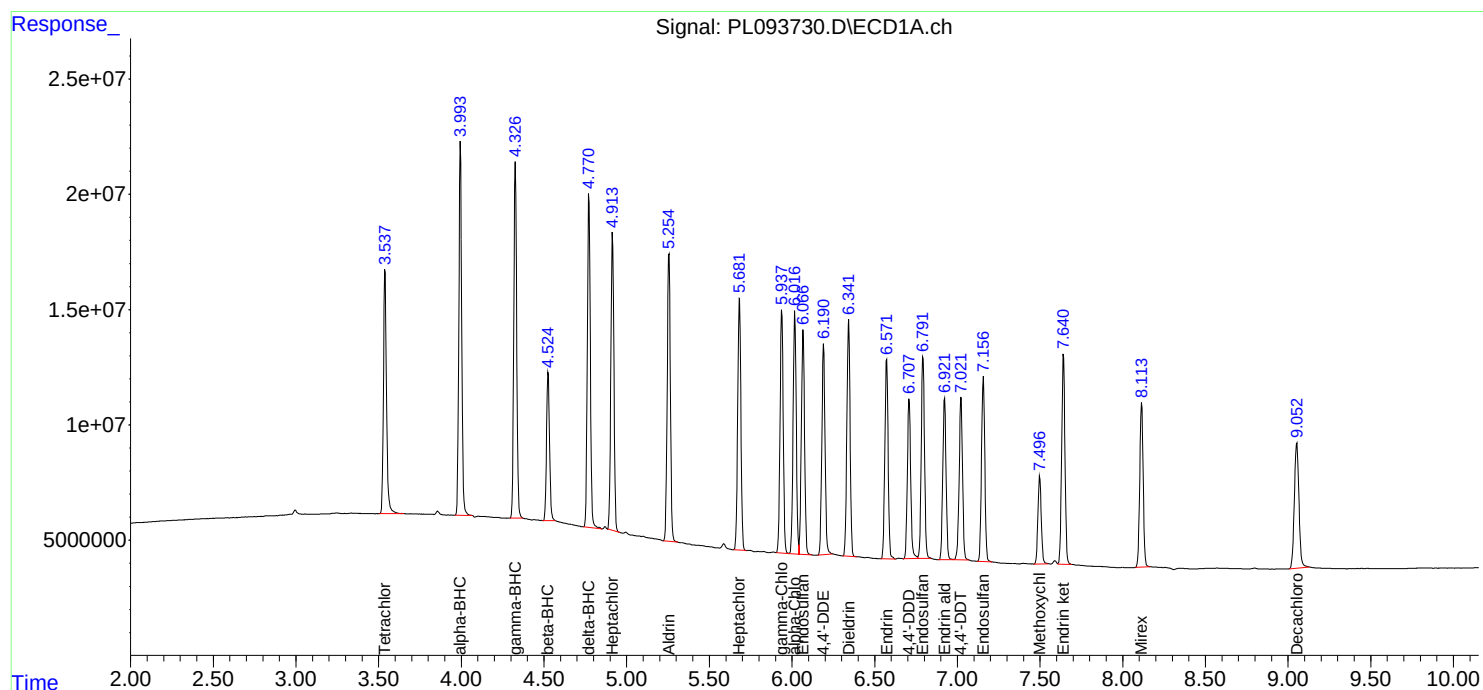
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

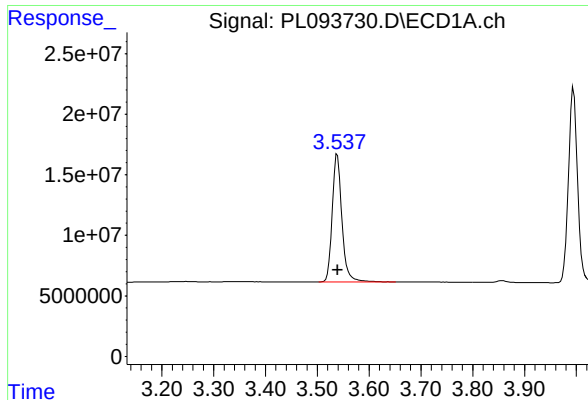
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093730.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:24
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 13:53:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

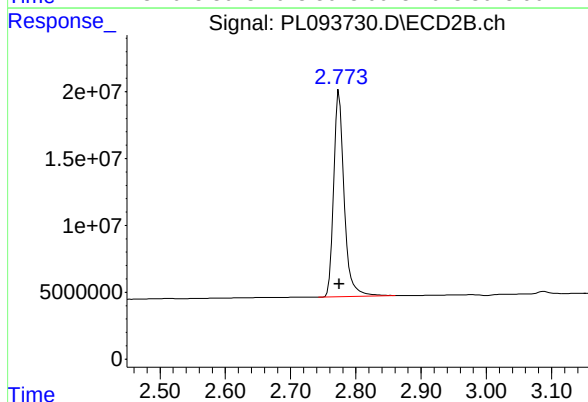




#1 Tetrachloro-m-xylene

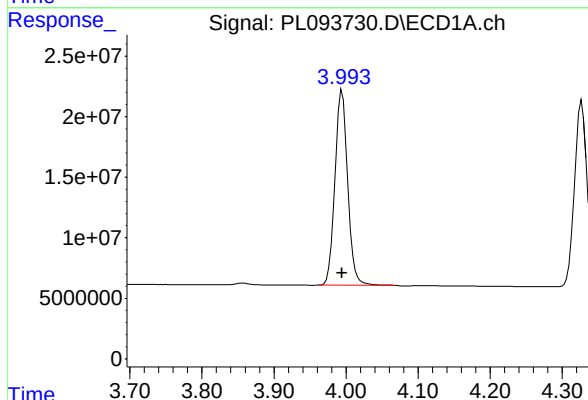
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 137001991
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



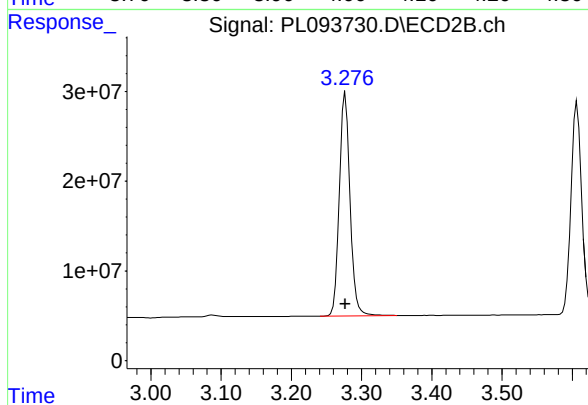
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 171861595
Conc: 50.00 ng/ml



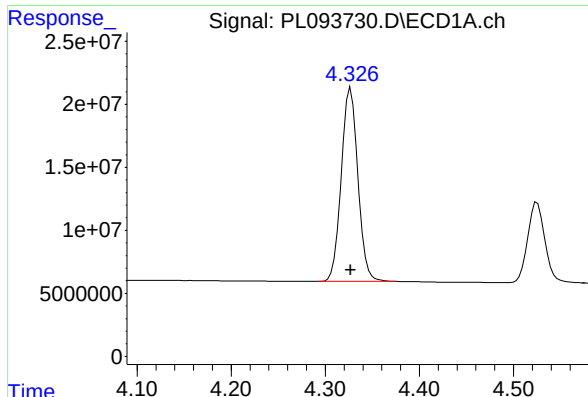
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 195905536
Conc: 50.00 ng/ml



#2 alpha-BHC

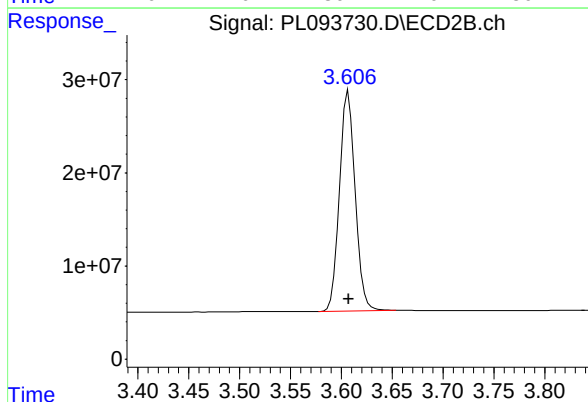
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 263554029
Conc: 50.00 ng/ml



#3 gamma-BHC (Lindane)

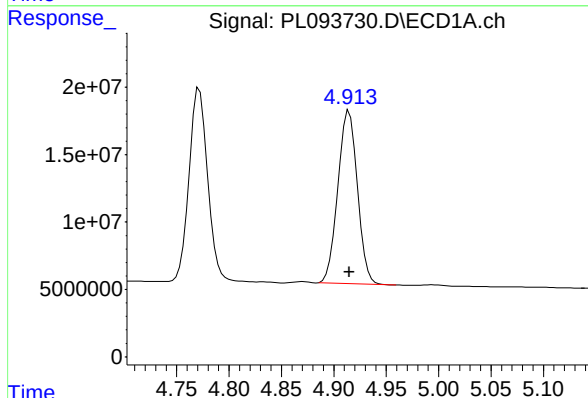
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 188362613
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



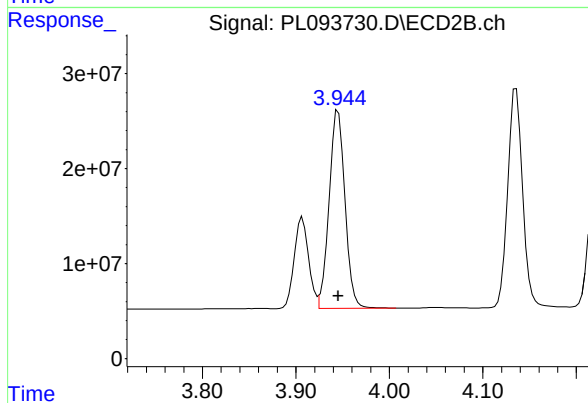
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 254230505
Conc: 50.00 ng/ml



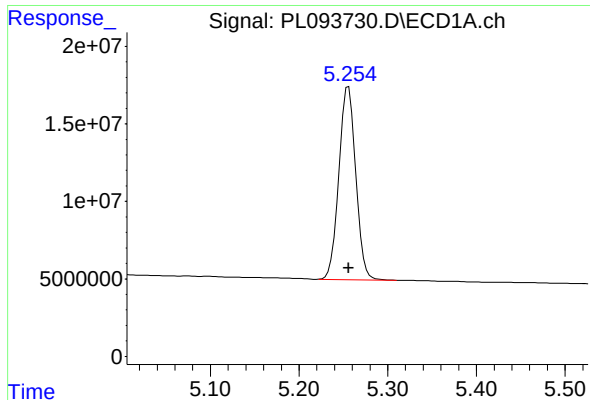
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 166264355
Conc: 50.00 ng/ml



#4 Heptachlor

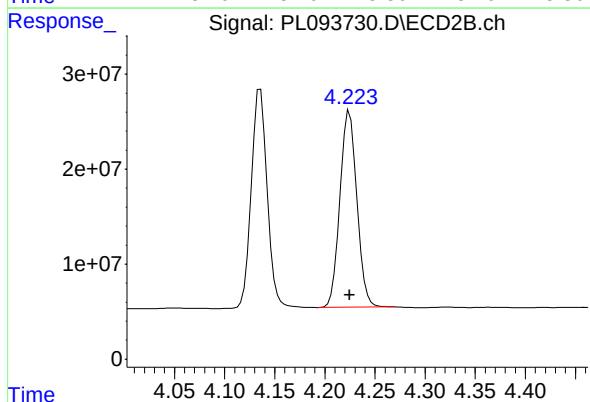
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 246242003
Conc: 50.00 ng/ml



#5 Aldrin

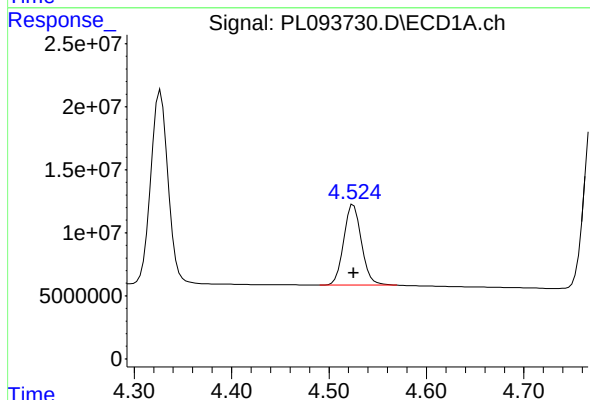
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 164631568
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



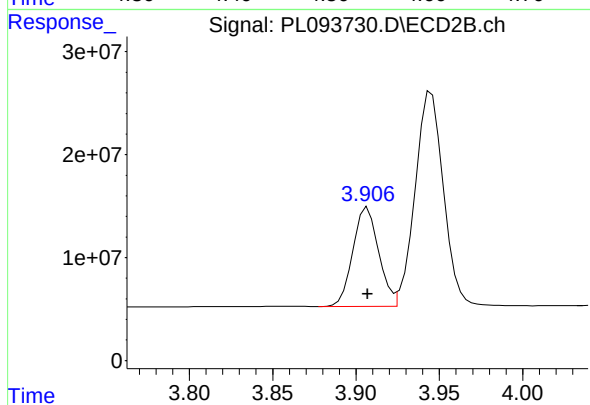
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: 0.000 min
Response: 242826175
Conc: 50.00 ng/ml



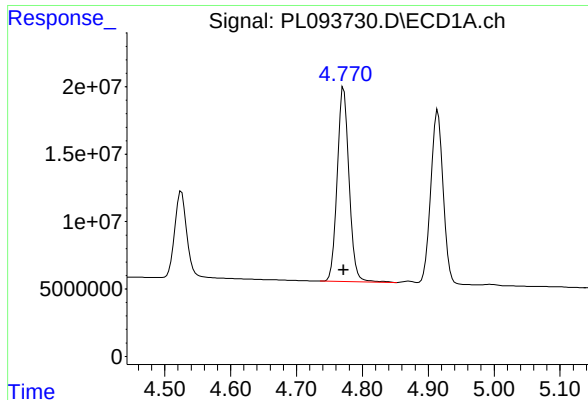
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 80914447
Conc: 50.00 ng/ml



#6 beta-BHC

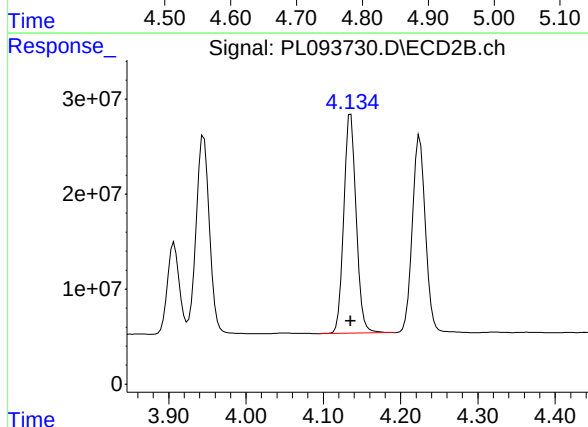
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 103608976
Conc: 50.00 ng/ml



#7 delta-BHC

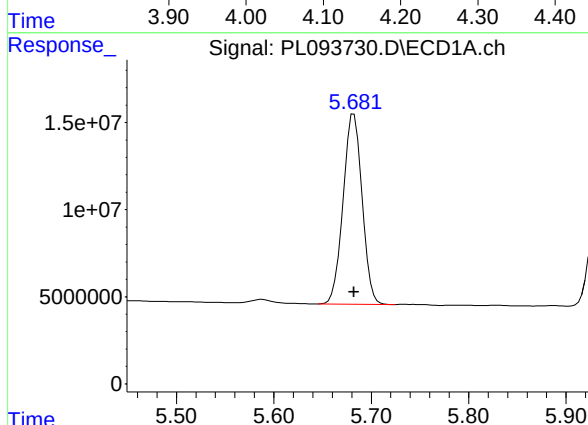
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 180293977
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



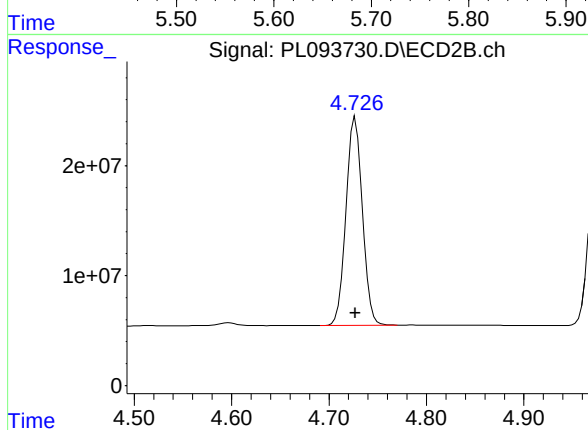
#7 delta-BHC

R.T.: 4.136 min
Delta R.T.: 0.000 min
Response: 254940473
Conc: 50.00 ng/ml



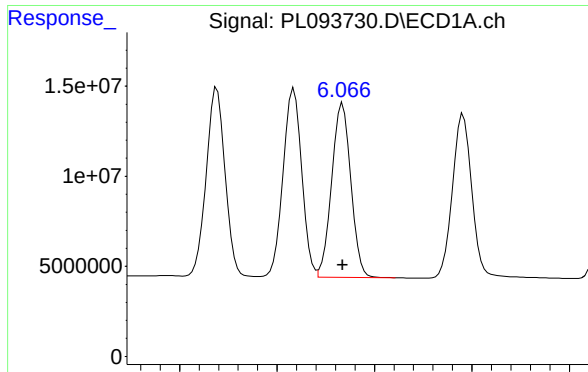
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 147681633
Conc: 50.00 ng/ml



#8 Heptachlor epoxide

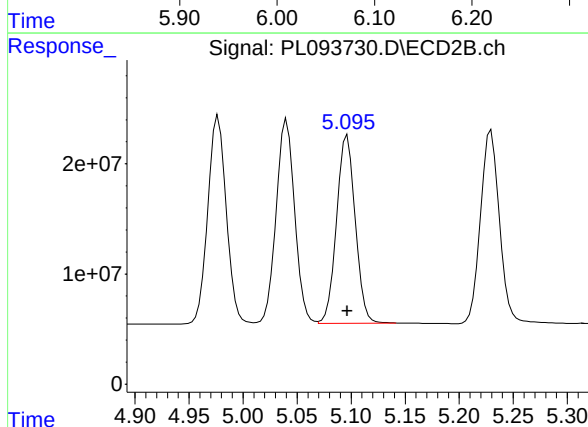
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 221208450
Conc: 50.00 ng/ml



#9 Endosulfan I

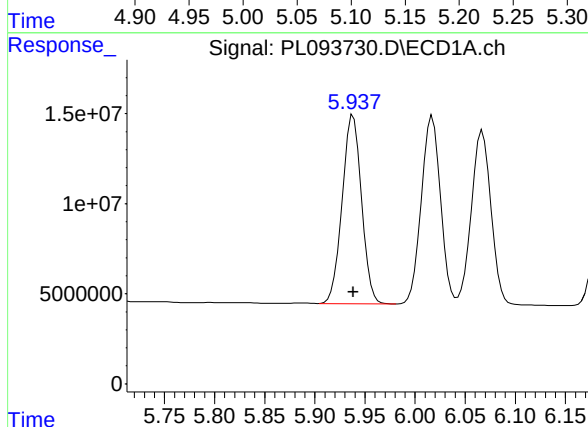
R.T.: 6.067 min
Delta R.T.: 0.000 min
Response: 131853108
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



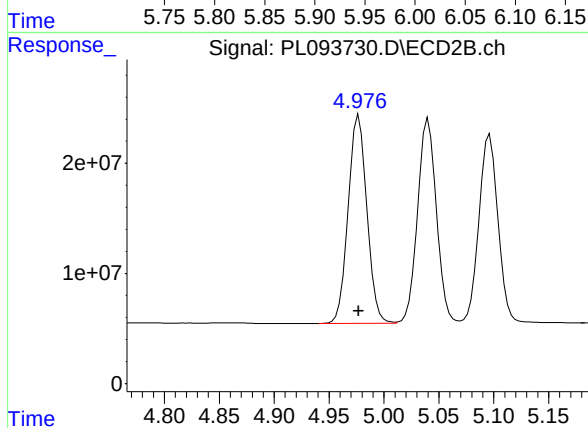
#9 Endosulfan I

R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 204951644
Conc: 50.00 ng/ml



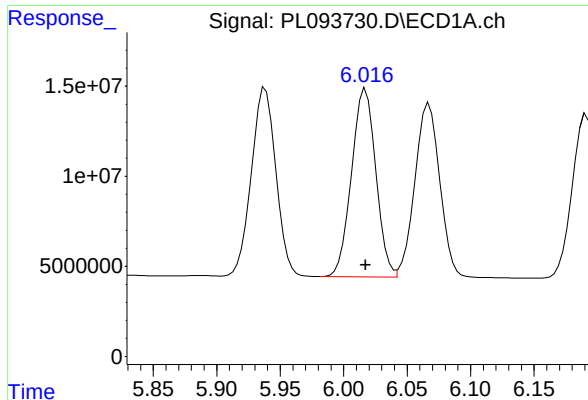
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 140781558
Conc: 50.00 ng/ml



#10 gamma-Chlordane

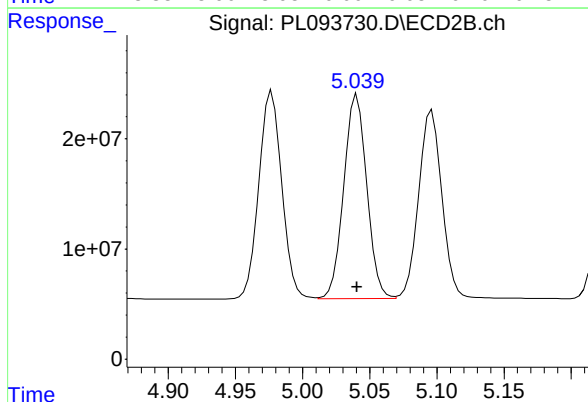
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 224150330
Conc: 50.00 ng/ml



#11 alpha-Chlordane

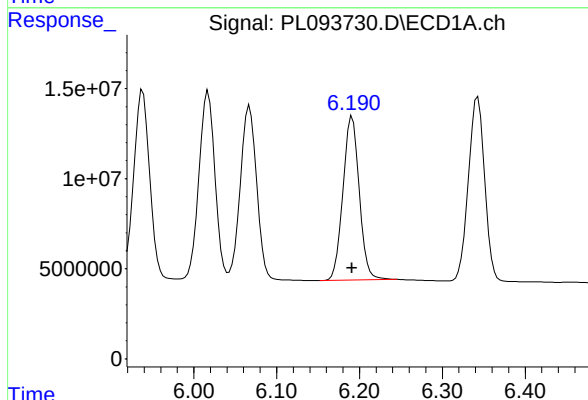
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 139410024
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



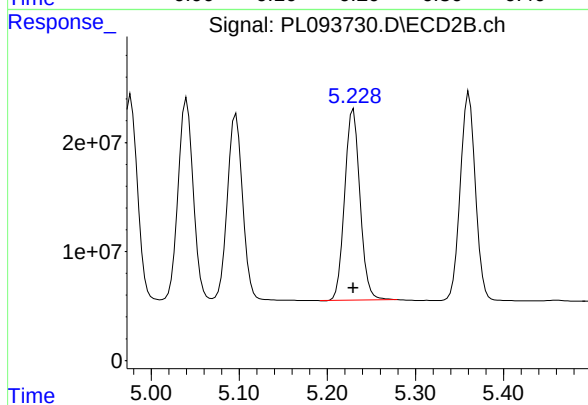
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 221205596
Conc: 50.00 ng/ml



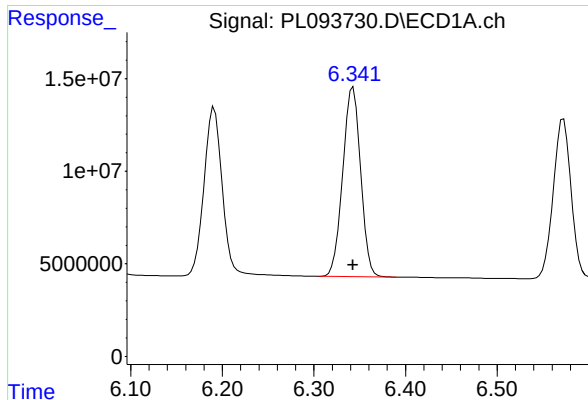
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 124454141
Conc: 50.00 ng/ml



#12 4,4'-DDE

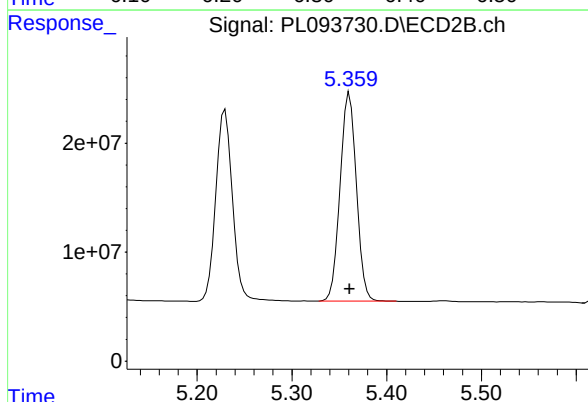
R.T.: 5.230 min
Delta R.T.: 0.000 min
Response: 212682331
Conc: 50.00 ng/ml



#13 Dieldrin

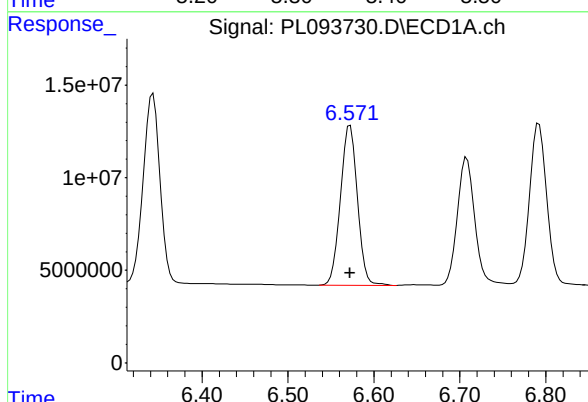
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 139409444
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



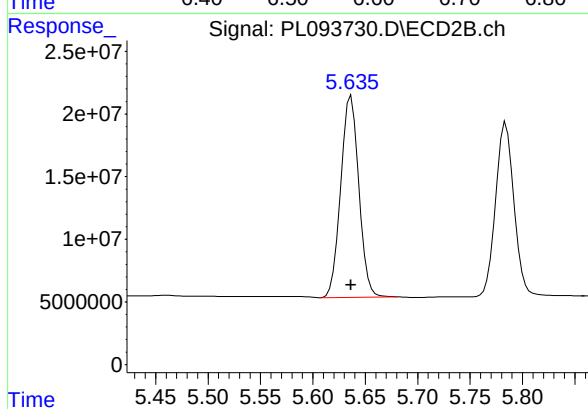
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 227678389
Conc: 50.00 ng/ml



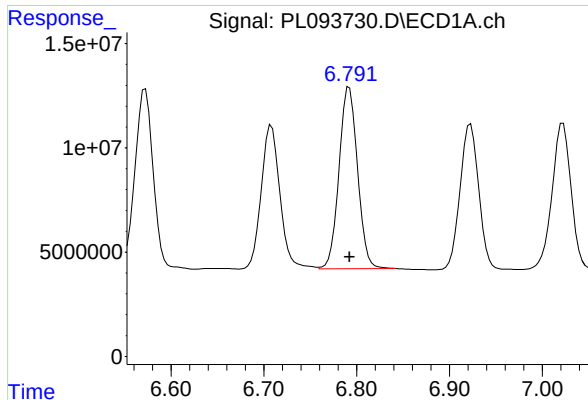
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 118161114
Conc: 50.00 ng/ml



#14 Endrin

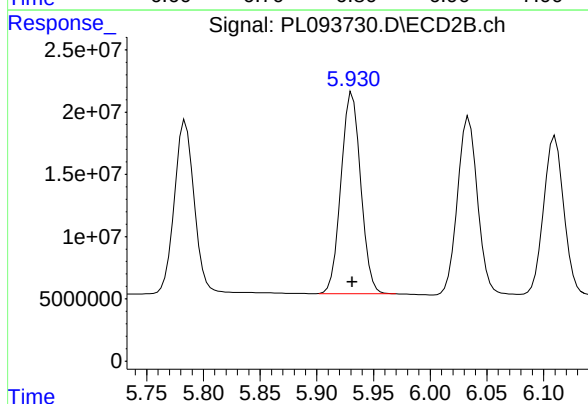
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 193536252
Conc: 50.00 ng/ml



#15 Endosulfan II

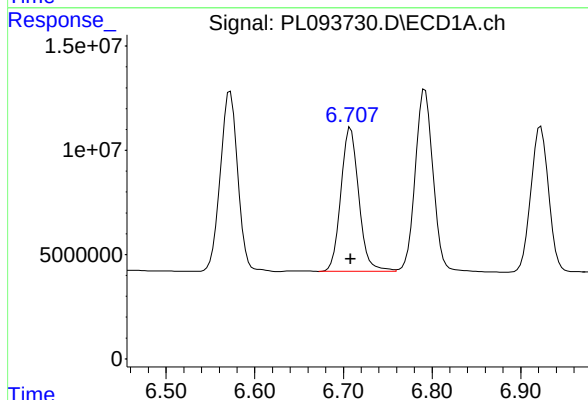
R.T.: 6.792 min
Delta R.T.: 0.000 min
Response: 120697329
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



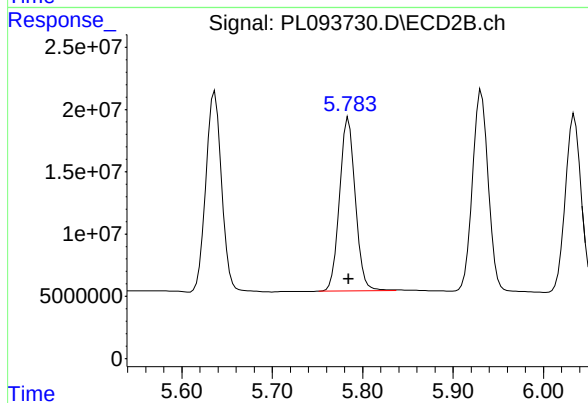
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 195648200
Conc: 50.00 ng/ml



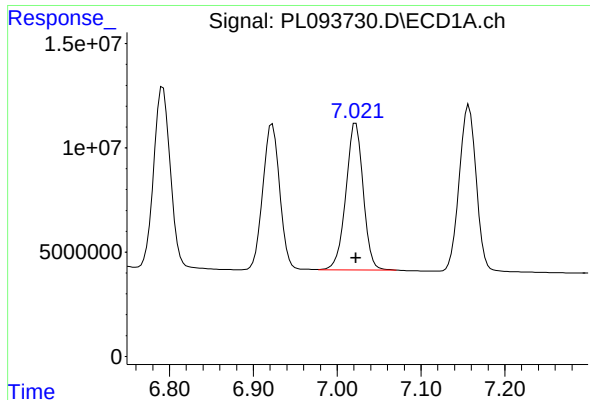
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.000 min
Response: 96633741
Conc: 50.00 ng/ml



#16 4,4'-DDD

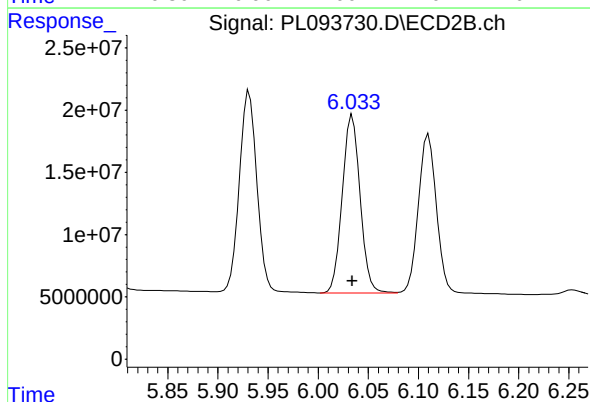
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 168957879
Conc: 50.00 ng/ml



#17 4,4'-DDT

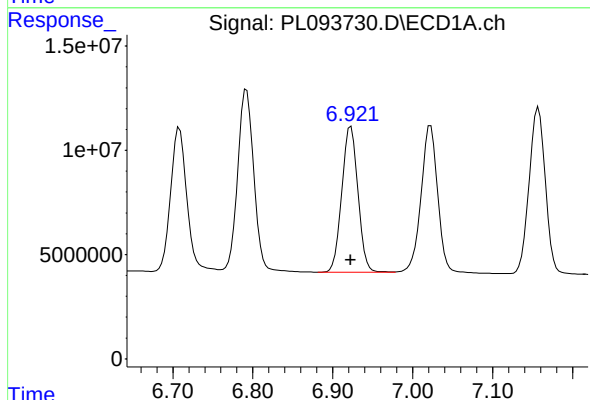
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 100835874
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



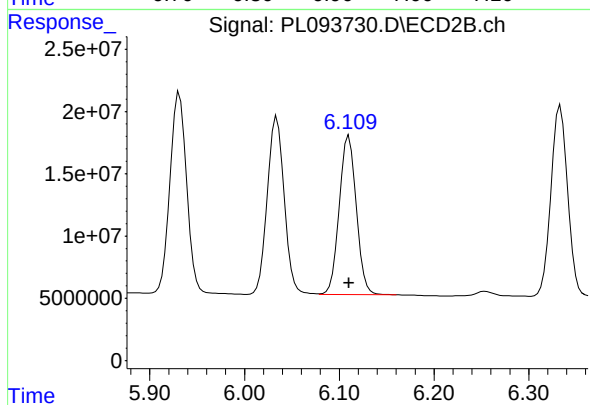
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 177142802
Conc: 50.00 ng/ml



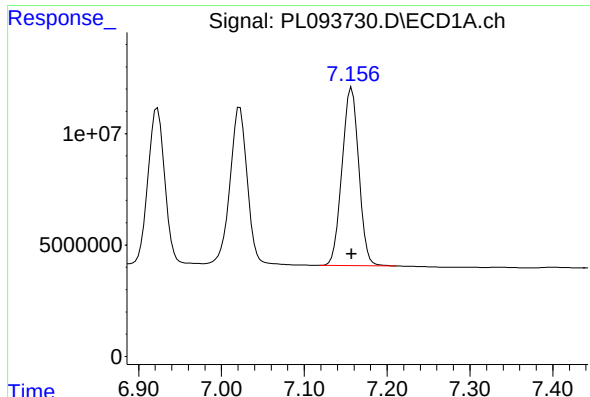
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 97948460
Conc: 50.00 ng/ml



#18 Endrin aldehyde

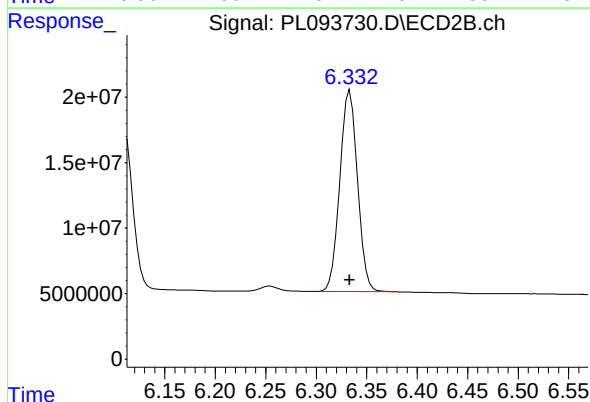
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 159171518
Conc: 50.00 ng/ml



#19 Endosulfan Sulfate

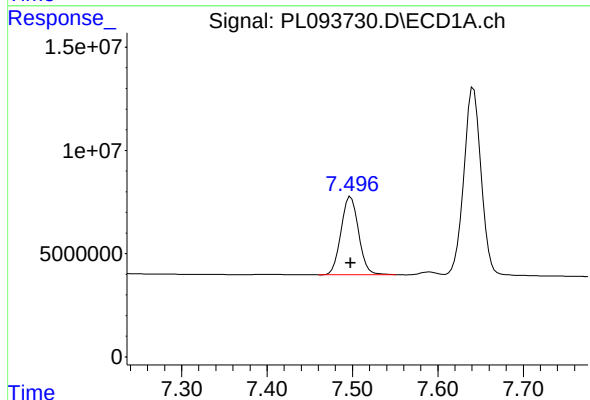
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 112428845
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



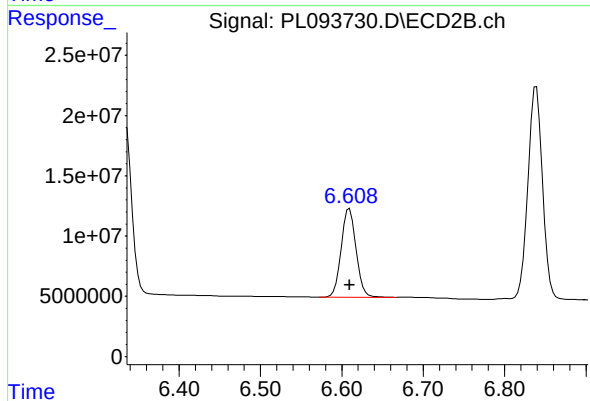
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 187851270
Conc: 50.00 ng/ml



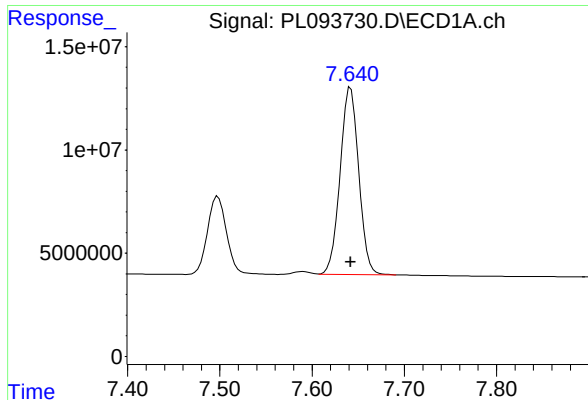
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 54018493
Conc: 50.00 ng/ml



#20 Methoxychlor

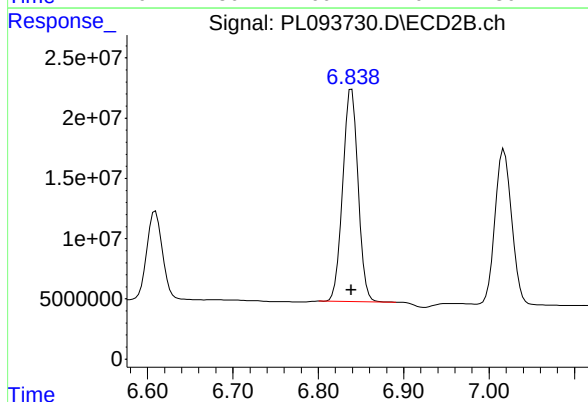
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 93520516
Conc: 50.00 ng/ml



#21 Endrin ketone

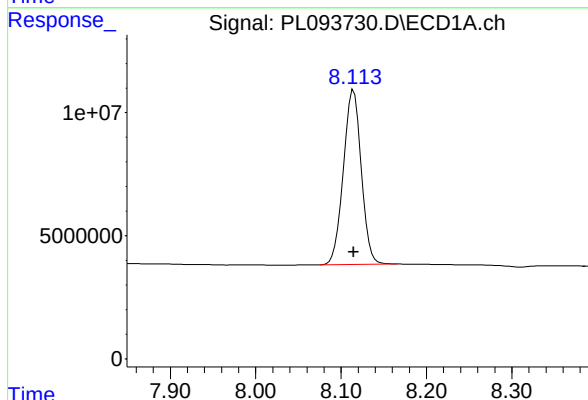
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 126985241
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



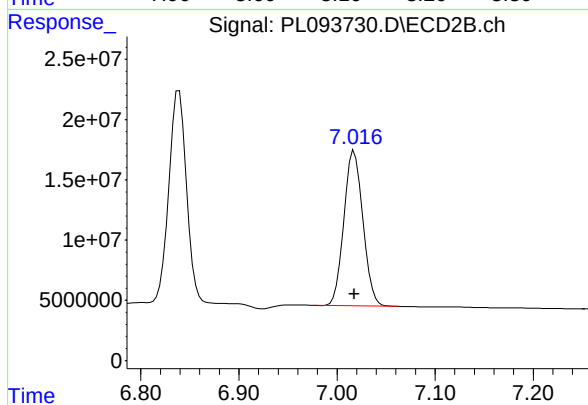
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 220004203
Conc: 50.00 ng/ml



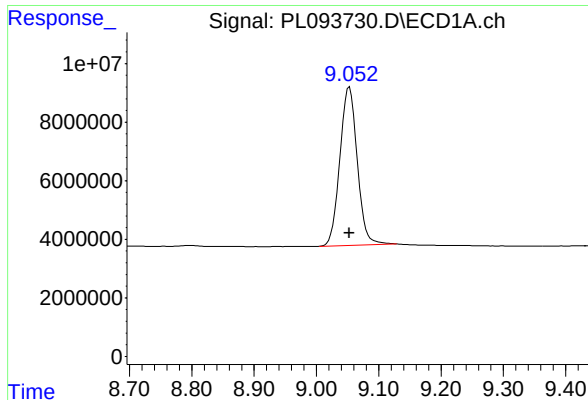
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 103275089
Conc: 50.00 ng/ml



#22 Mirex

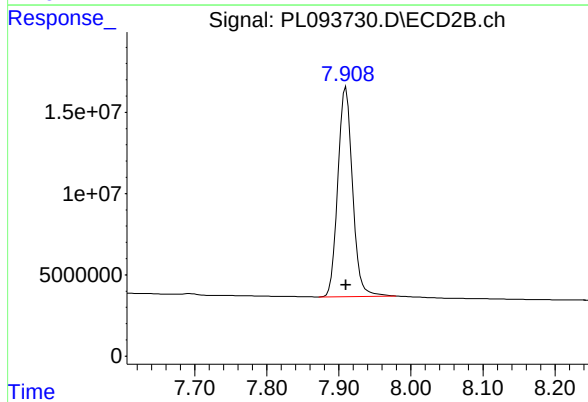
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 173654301
Conc: 50.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 104915987
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC050



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 181351234
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
 Data File : PL093731.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Jan 2025 11:38
 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: Jan 21 13:59:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 13:52:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.539	2.774	64887383	76654930	25.606	24.213
28) SA Decachlor...	9.052	7.909	50461717	83015469	26.208	24.840
Target Compounds						
2) A alpha-BHC	3.995	3.276	89070727	112.0E6	24.556	23.055
3) MA gamma-BHC...	4.327	3.607	86520755	109.6E6	24.821	23.349
4) MA Heptachlor	4.914	3.945	78602546	108.6E6	25.575	23.892
5) MB Aldrin	5.256	4.224	77491525	105.6E6	25.379	23.546
6) B beta-BHC	4.525	3.907	37722252	47243605	25.509	24.644
7) B delta-BHC	4.772	4.135	82584367	109.2E6	24.767	23.218
8) B Heptachlo...	5.683	4.726	70895850	98198954	25.936	24.060
9) A Endosulfan I	6.068	5.096	63215335	90882897	25.885	24.027
10) B gamma-Chl...	5.939	4.976	66959715	98387231	25.700	23.747
11) B alpha-Chl...	6.017	5.040	66664408	97870181	25.711	23.932
12) B 4,4'-DDE	6.191	5.229	58039701	93725344	25.344	23.876
13) MA Dieldrin	6.343	5.360	65983515	98970864	25.563	23.595
14) MA Endrin	6.572	5.636	55464000	85153560	25.436	23.710
15) B Endosulfa...	6.793	5.931	57195569	87112831	25.745	24.134
16) A 4,4'-DDD	6.708	5.784	45068086	72761634	25.477	23.324
17) MA 4,4'-DDT	7.022	6.034	47678056	76172310	25.612	23.370
18) B Endrin al...	6.923	6.110	47414192	72307343	26.251	24.600
19) B Endosulfa...	7.157	6.333	54762628	83706831	26.369	24.145
20) A Methoxychlor	7.498	6.609	25502321	41095325	25.958	24.173
21) B Endrin ke...	7.642	6.838	60347677	97684233	25.801	24.188
22) Mirex	8.115	7.018	50874505	81084696	26.652	25.185

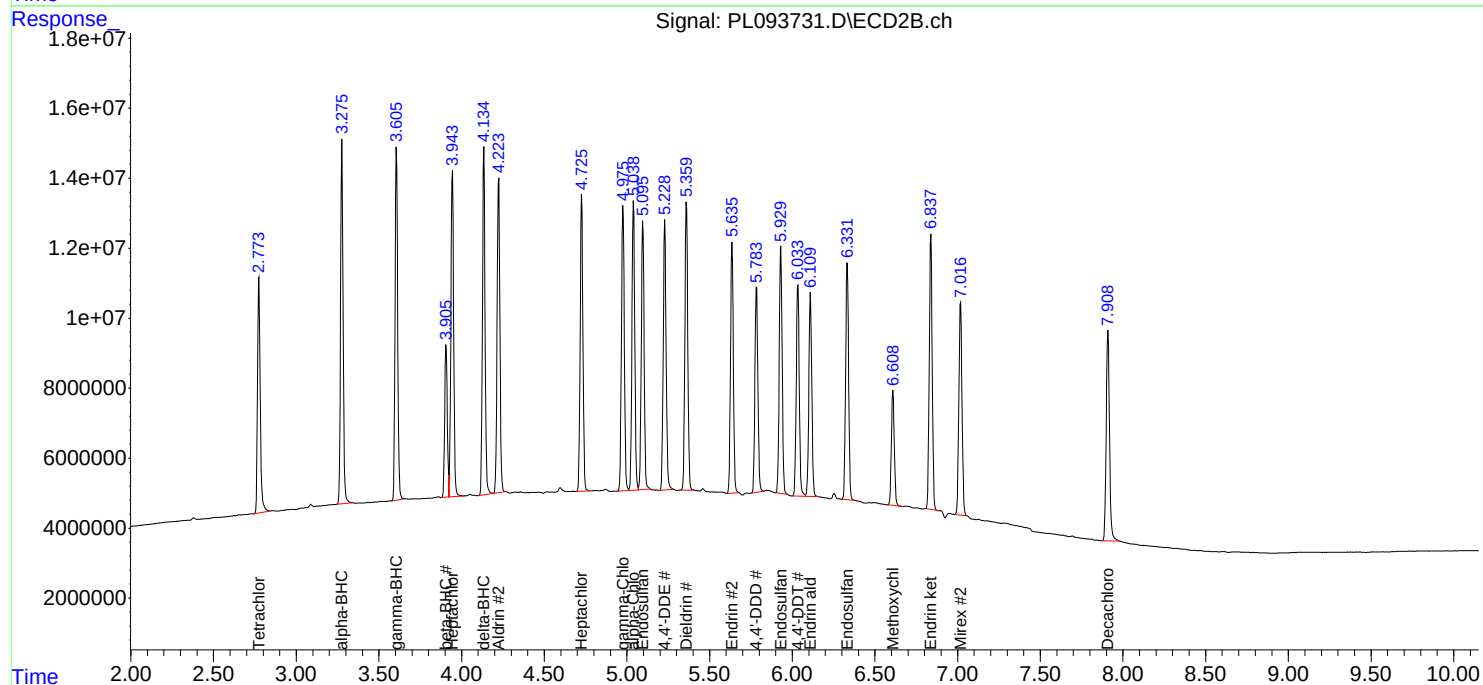
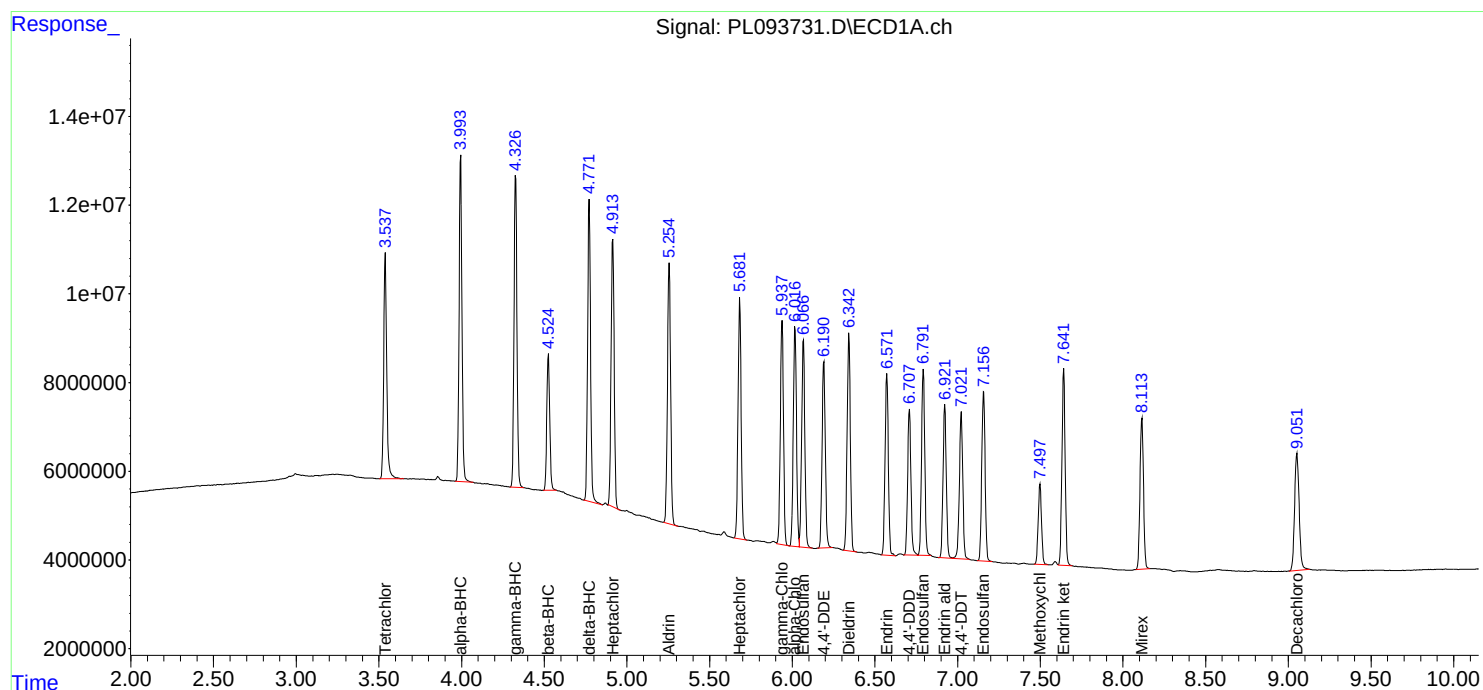
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

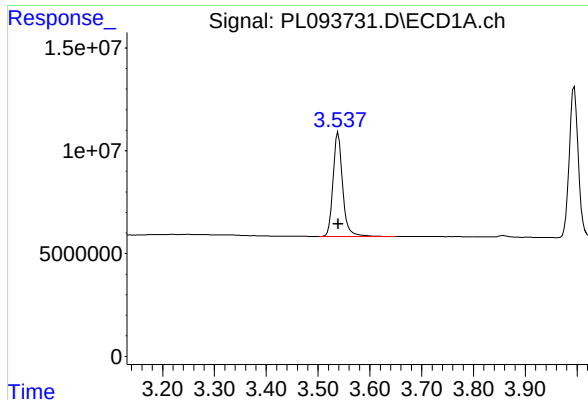
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093731.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:38
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 13:59:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

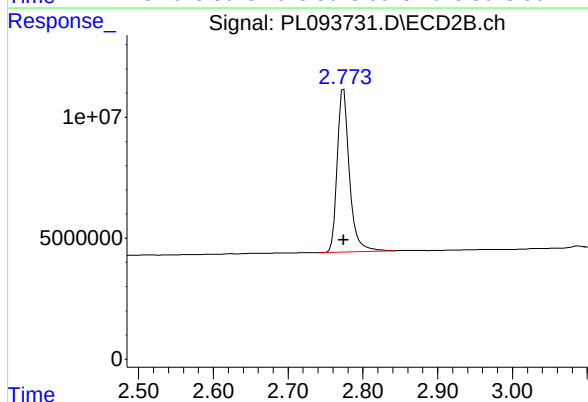




#1 Tetrachloro-m-xylene

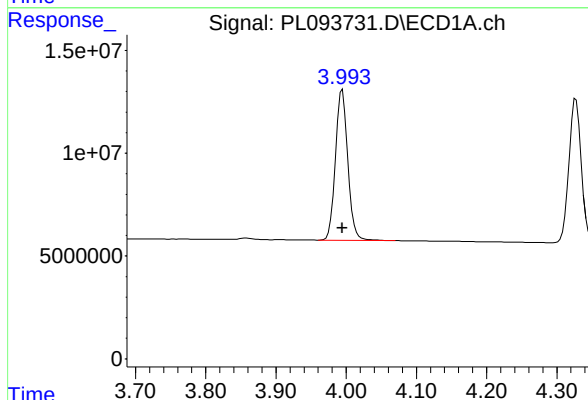
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 64887383
Conc: 25.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



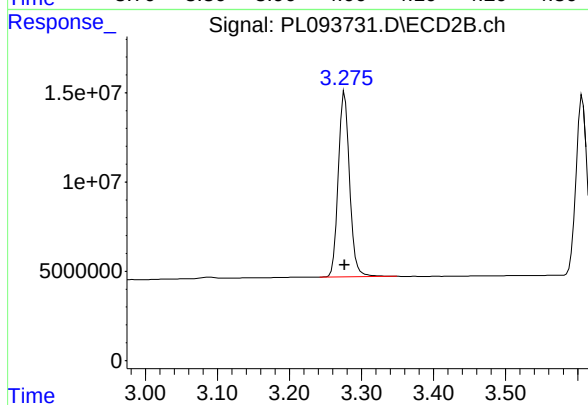
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 76654930
Conc: 24.21 ng/ml



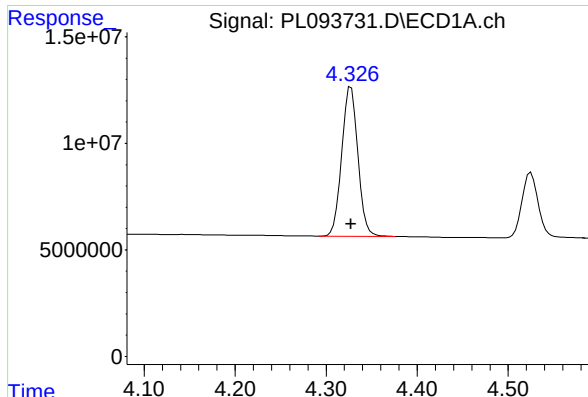
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 89070727
Conc: 24.56 ng/ml



#2 alpha-BHC

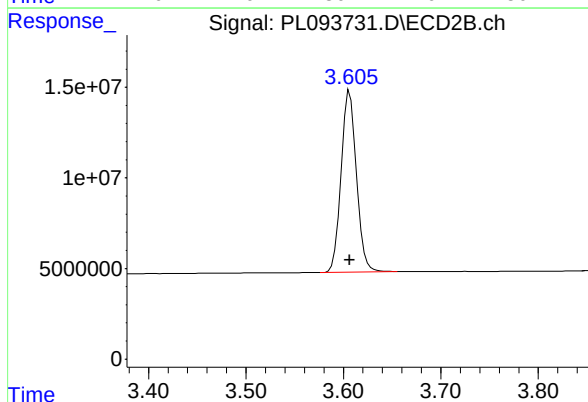
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 112018157
Conc: 23.06 ng/ml



#3 gamma-BHC (Lindane)

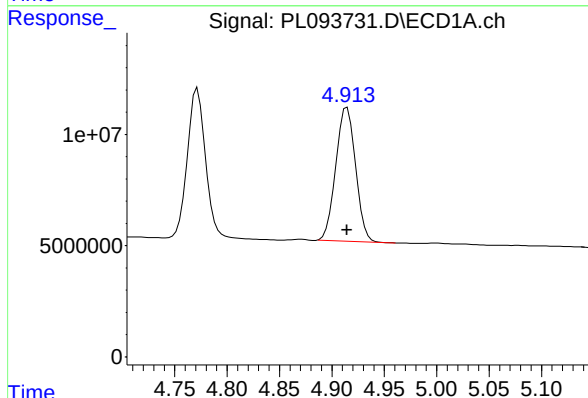
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 86520755
Conc: 24.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



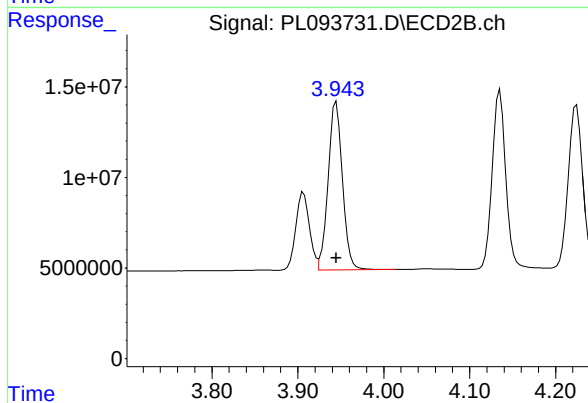
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 109620260
Conc: 23.35 ng/ml



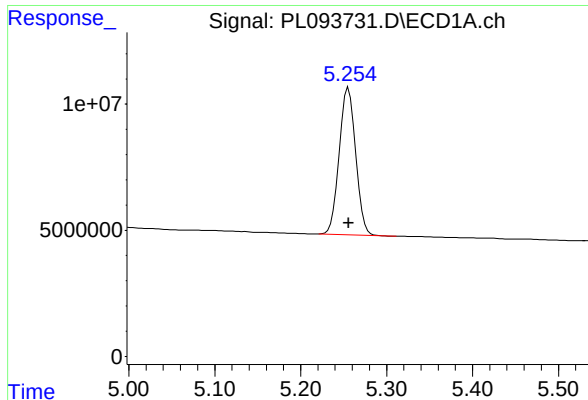
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 78602546
Conc: 25.58 ng/ml



#4 Heptachlor

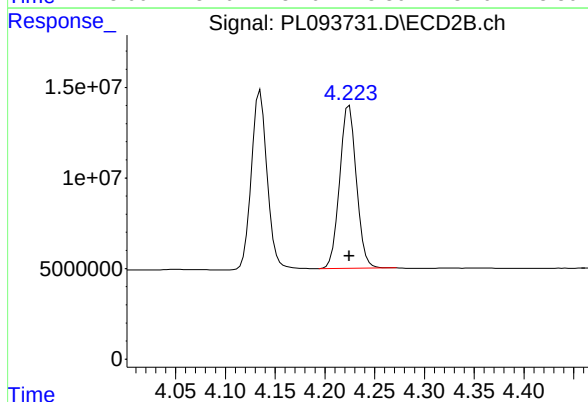
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 108649410
Conc: 23.89 ng/ml



#5 Aldrin

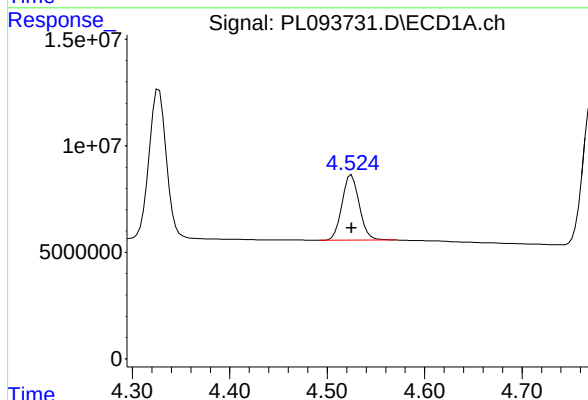
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 77491525
Conc: 25.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



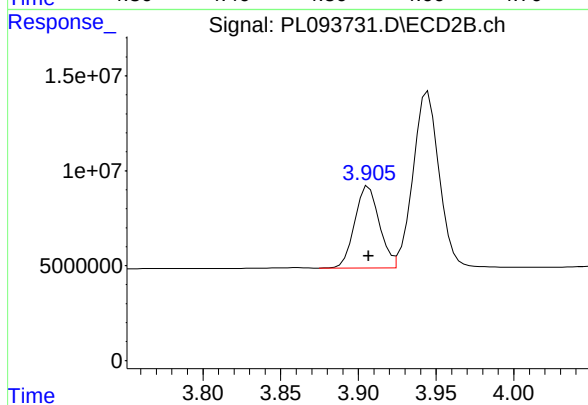
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 105561790
Conc: 23.55 ng/ml



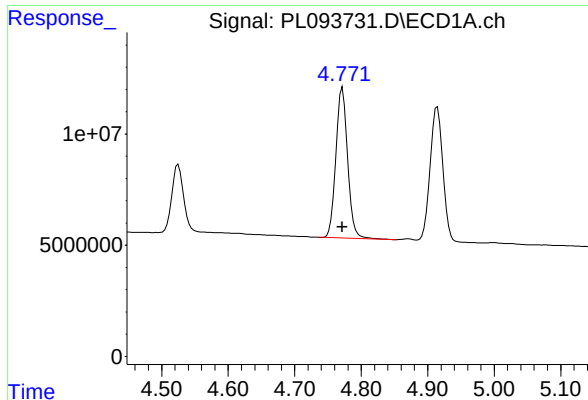
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 37722252
Conc: 25.51 ng/ml



#6 beta-BHC

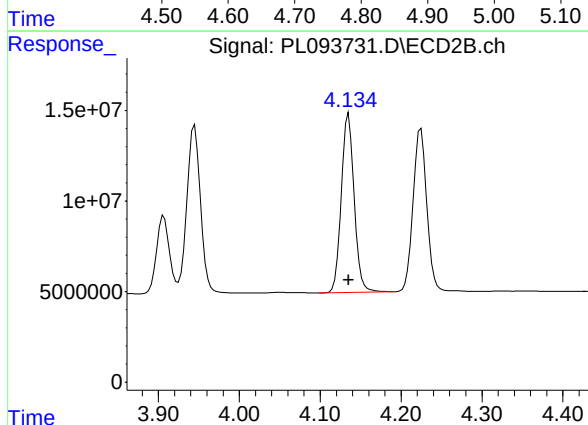
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 47243605
Conc: 24.64 ng/ml



#7 delta-BHC

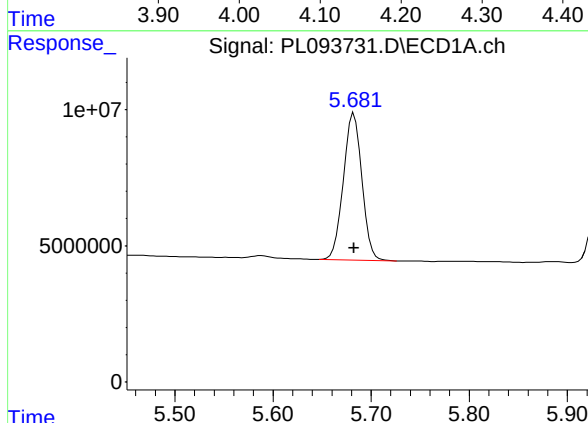
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 82584367
Conc: 24.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



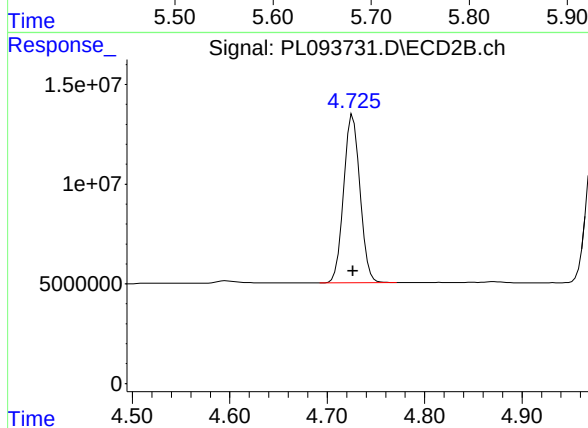
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 109220381
Conc: 23.22 ng/ml



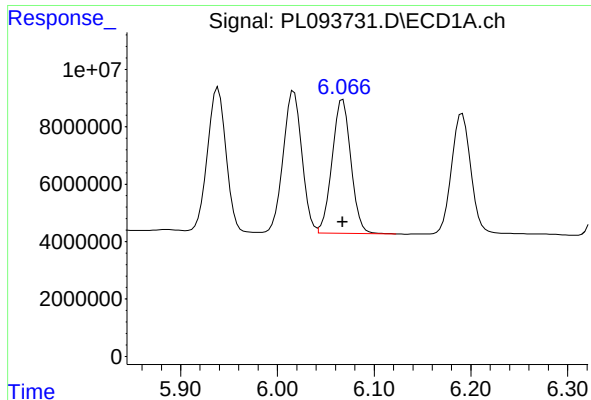
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 70895850
Conc: 25.94 ng/ml



#8 Heptachlor epoxide

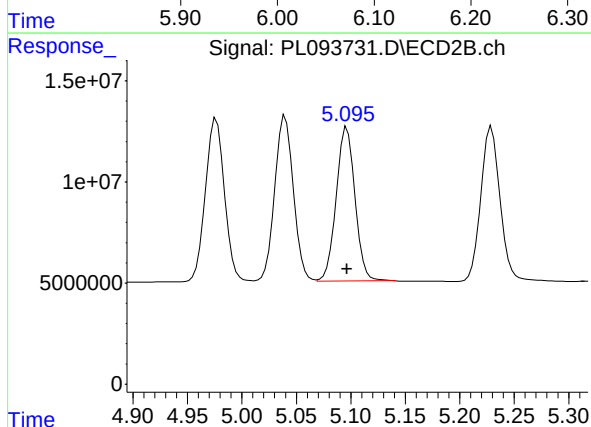
R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 98198954
Conc: 24.06 ng/ml



#9 Endosulfan I

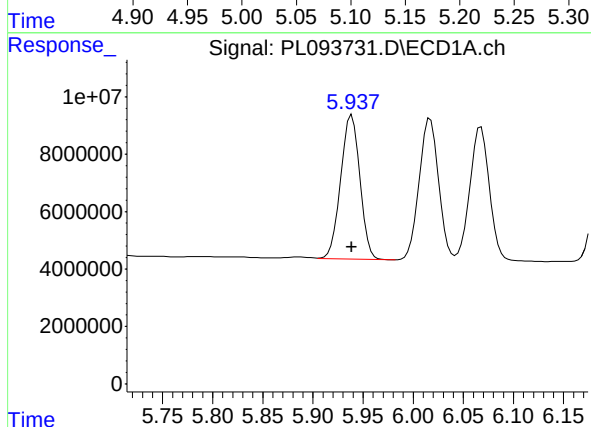
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 63215335
Conc: 25.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



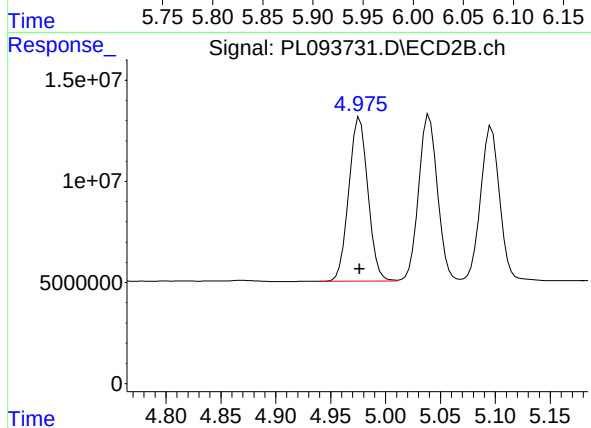
#9 Endosulfan I

R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 90882897
Conc: 24.03 ng/ml



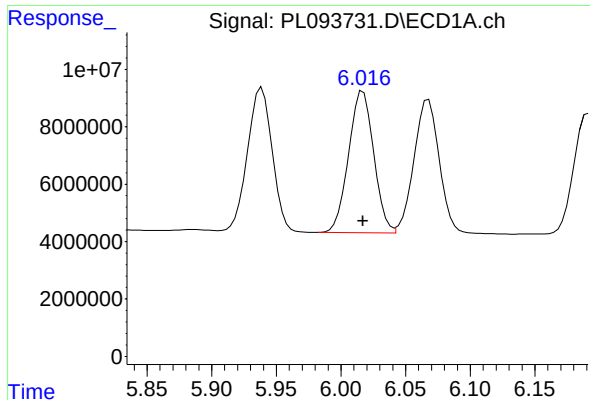
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 66959715
Conc: 25.70 ng/ml



#10 gamma-Chlordane

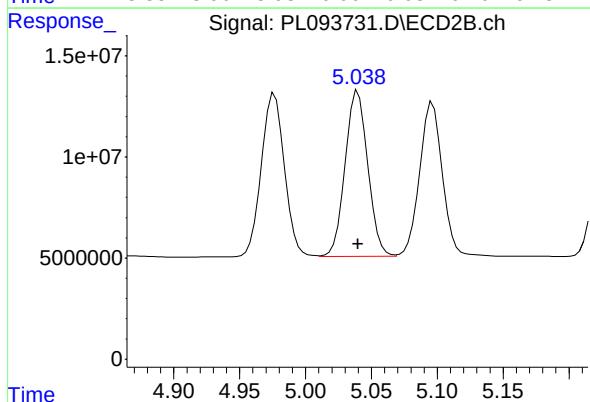
R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 98387231
Conc: 23.75 ng/ml



#11 alpha-Chlordane

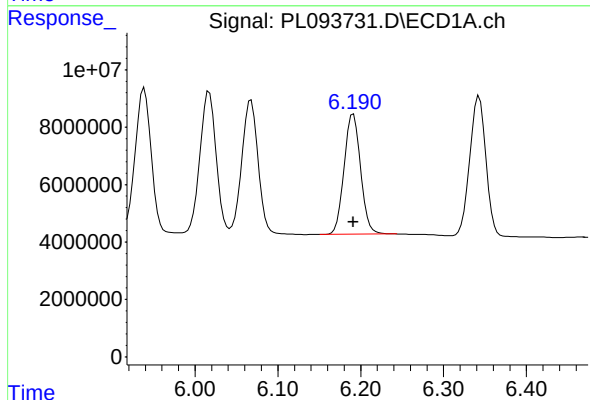
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 66664408
Conc: 25.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



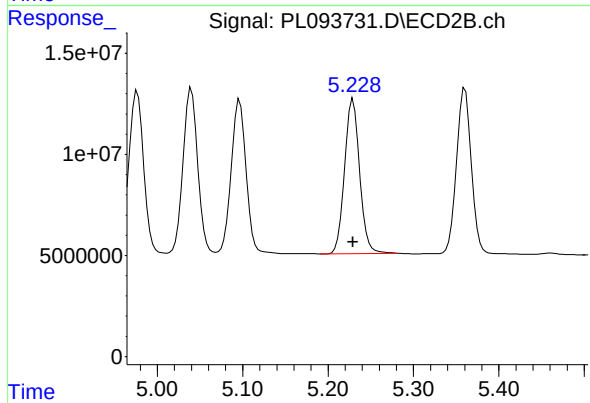
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 97870181
Conc: 23.93 ng/ml



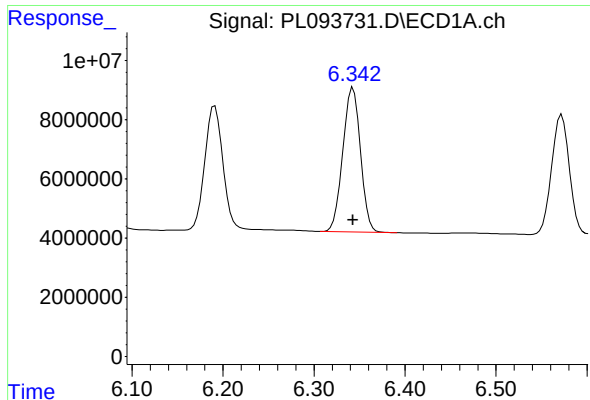
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 58039701
Conc: 25.34 ng/ml



#12 4,4'-DDE

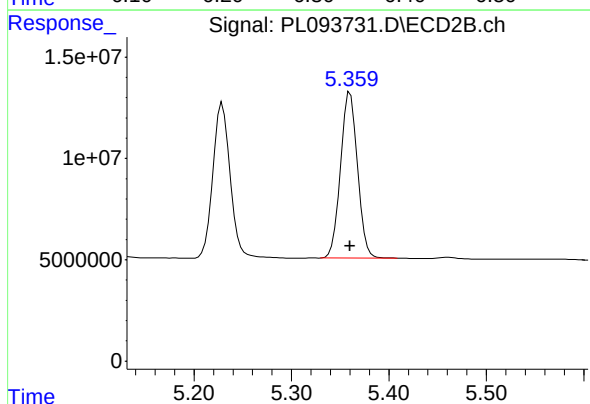
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 93725344
Conc: 23.88 ng/ml



#13 Dieldrin

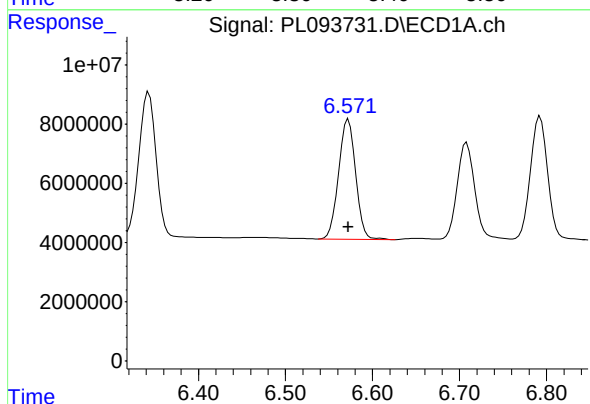
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 65983515
Conc: 25.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



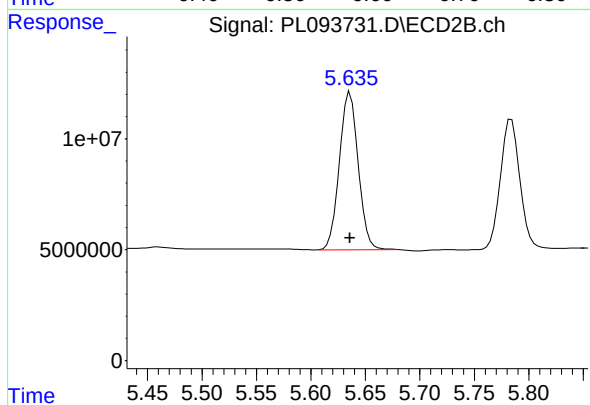
#13 Dieldrin

R.T.: 5.360 min
Delta R.T.: 0.000 min
Response: 98970864
Conc: 23.59 ng/ml



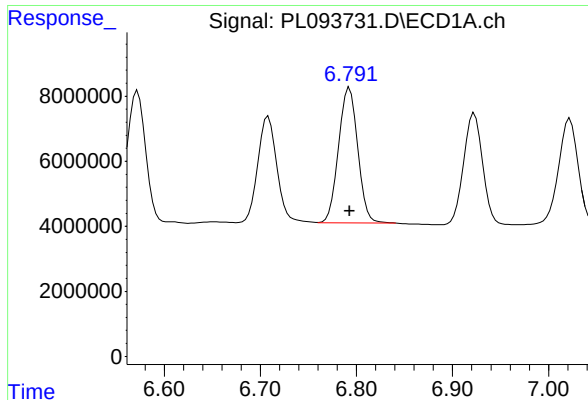
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 55464000
Conc: 25.44 ng/ml



#14 Endrin

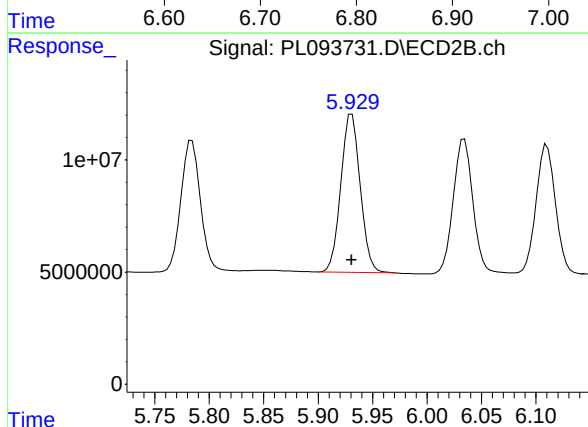
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 85153560
Conc: 23.71 ng/ml



#15 Endosulfan II

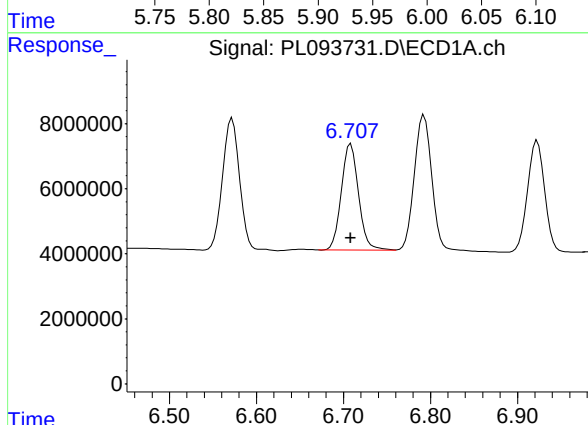
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 57195569
Conc: 25.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



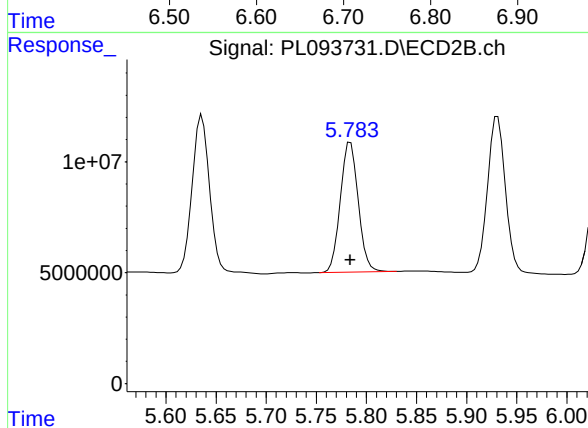
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 87112831
Conc: 24.13 ng/ml



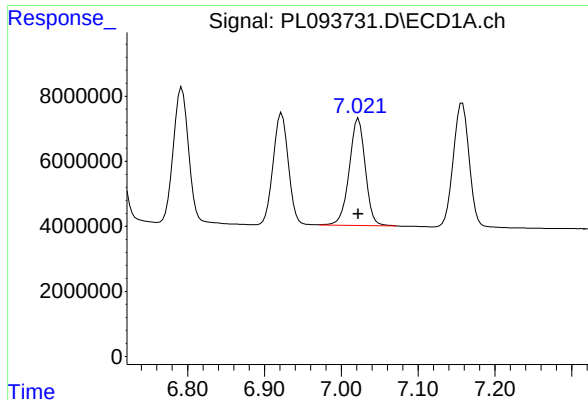
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.000 min
Response: 45068086
Conc: 25.48 ng/ml



#16 4,4'-DDD

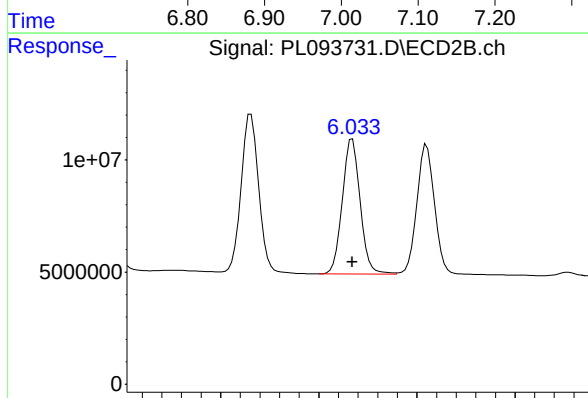
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 72761634
Conc: 23.32 ng/ml



#17 4,4'-DDT

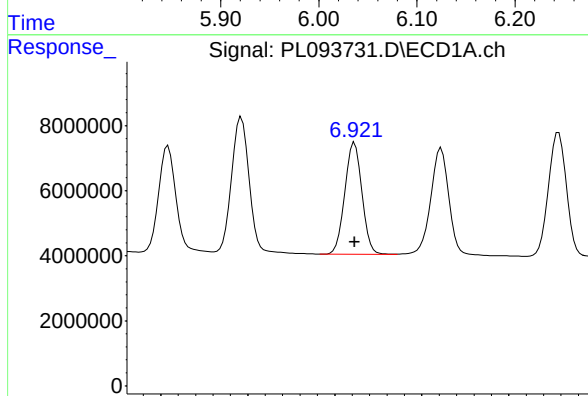
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 47678056
Conc: 25.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



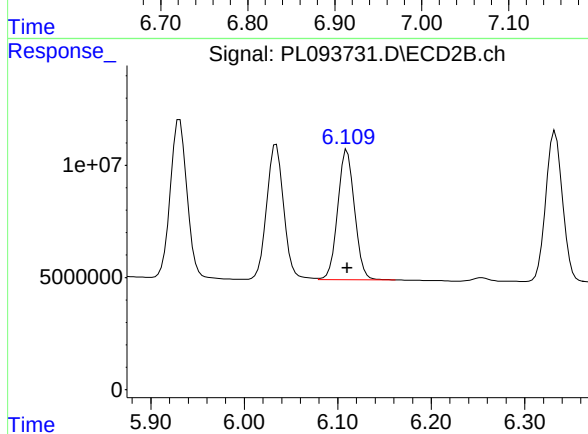
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 76172310
Conc: 23.37 ng/ml



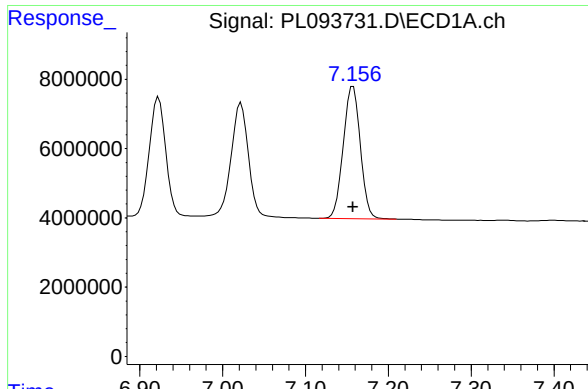
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 47414192
Conc: 26.25 ng/ml



#18 Endrin aldehyde

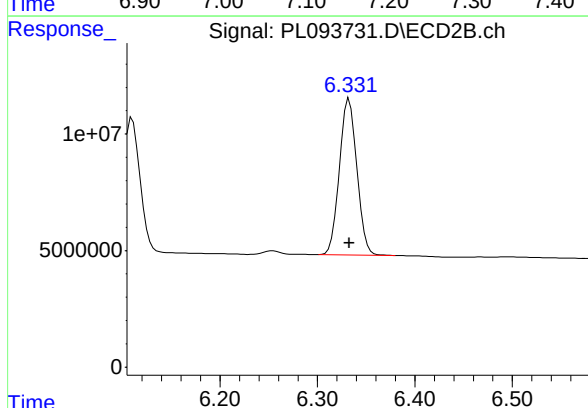
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 72307343
Conc: 24.60 ng/ml



#19 Endosulfan Sulfate

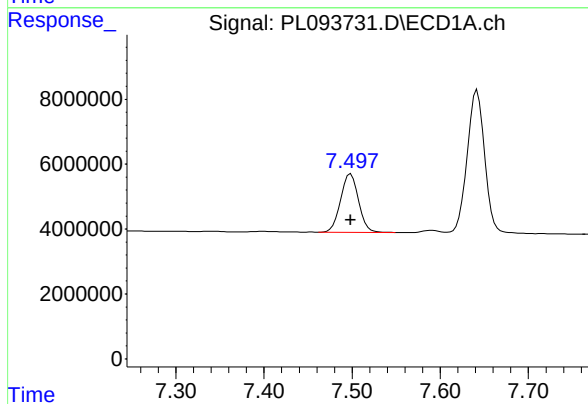
R.T.: 7.157 min
Delta R.T.: 0.000 min
Response: 54762628
Conc: 26.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



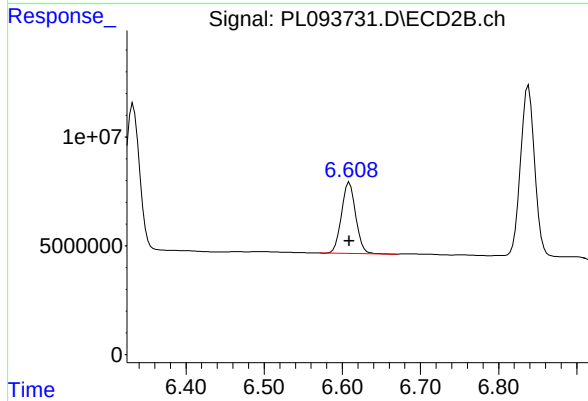
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 83706831
Conc: 24.15 ng/ml



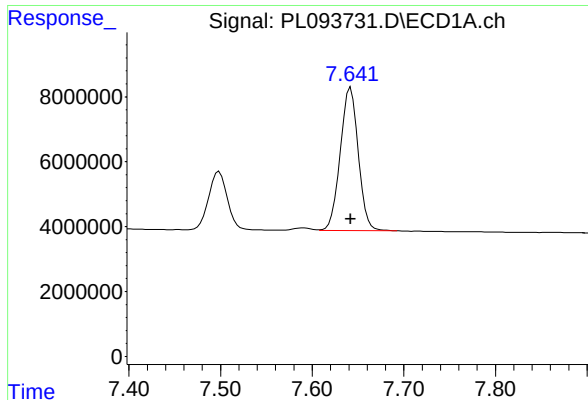
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 25502321
Conc: 25.96 ng/ml



#20 Methoxychlor

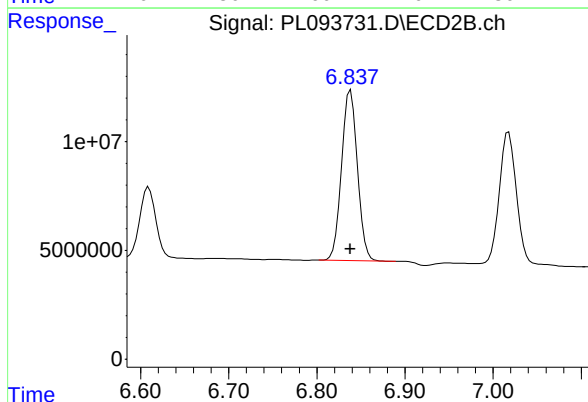
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 41095325
Conc: 24.17 ng/ml



#21 Endrin ketone

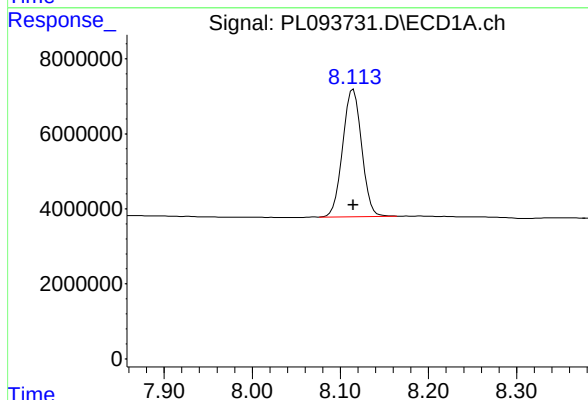
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 60347677
Conc: 25.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



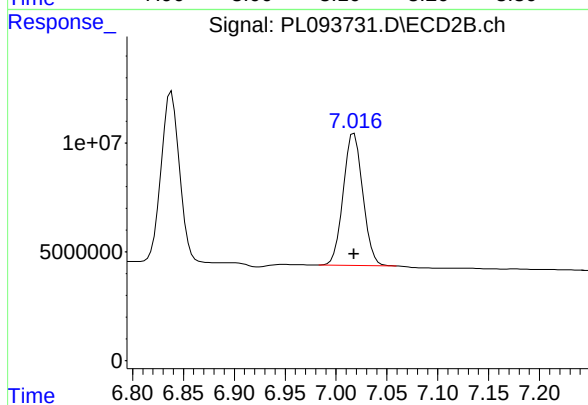
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 97684233
Conc: 24.19 ng/ml



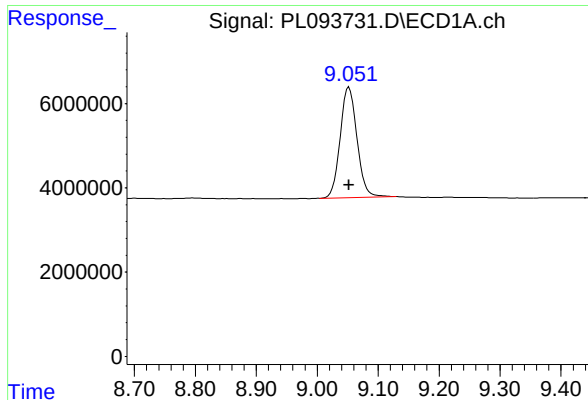
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 50874505
Conc: 26.65 ng/ml



#22 Mirex

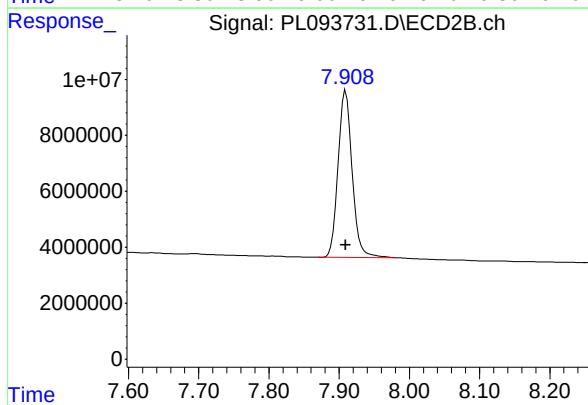
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 81084696
Conc: 25.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 50461717
Conc: 26.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC025



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 83015469
Conc: 24.84 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
 Data File : PL093732.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Jan 2025 11:51
 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: Jan 21 14:01:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 13:52:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.774	16637105	18287931	6.178	5.603
28) SA Decachlor...	9.052	7.909	13789093	20761045	6.592	5.925
Target Compounds						
2) A alpha-BHC	3.994	3.276	23301548	25051289	6.078	5.124
3) MA gamma-BHC...	4.326	3.606	22354233	24631359	6.070	5.195
4) MA Heptachlor	4.914	3.944	20465600	25421102	6.245	5.461
5) MB Aldrin	5.255	4.223	20732862	24380948	6.337	5.345
6) B beta-BHC	4.525	3.906	10607660	11595524	6.600	5.805
7) B delta-BHC	4.771	4.134	20943898	24697126	5.975	5.198
8) B Heptachlo...	5.682	4.726	19675106	22877181	6.616	5.473
9) A Endosulfan I	6.068	5.096	17228246	21272747	6.519	5.487
10) B gamma-Chl...	5.938	4.976	17575834	23077513	6.306	5.446
11) B alpha-Chl...	6.017	5.040	17853432	22874114	6.403	5.464
12) B 4,4'-DDE	6.191	5.229	15062588	21725638	6.187	5.419
13) MA Dieldrin	6.343	5.360	17771692	23498784	6.402	5.470
14) MA Endrin	6.573	5.635	15009439	20488065	6.401	5.548
15) B Endosulfa...	6.793	5.930	15801314	20403798	6.558	5.509
16) A 4,4'-DDD	6.708	5.783	12134151	16521614	6.385	5.234
17) MA 4,4'-DDT	7.022	6.034	12070833	16163358	6.121	4.967
18) B Endrin al...	6.922	6.110	12477919	17329206	6.418	5.692
19) B Endosulfa...	7.156	6.332	15057236	19816189	6.651	5.557
20) A Methoxychlor	7.498	6.609	6435643	10701964	6.168	5.985
21) B Endrin ke...	7.642	6.837	16285626	24108712	6.456	5.747
22) Mirex	8.114	7.018	13884960	20156166	6.667	5.960

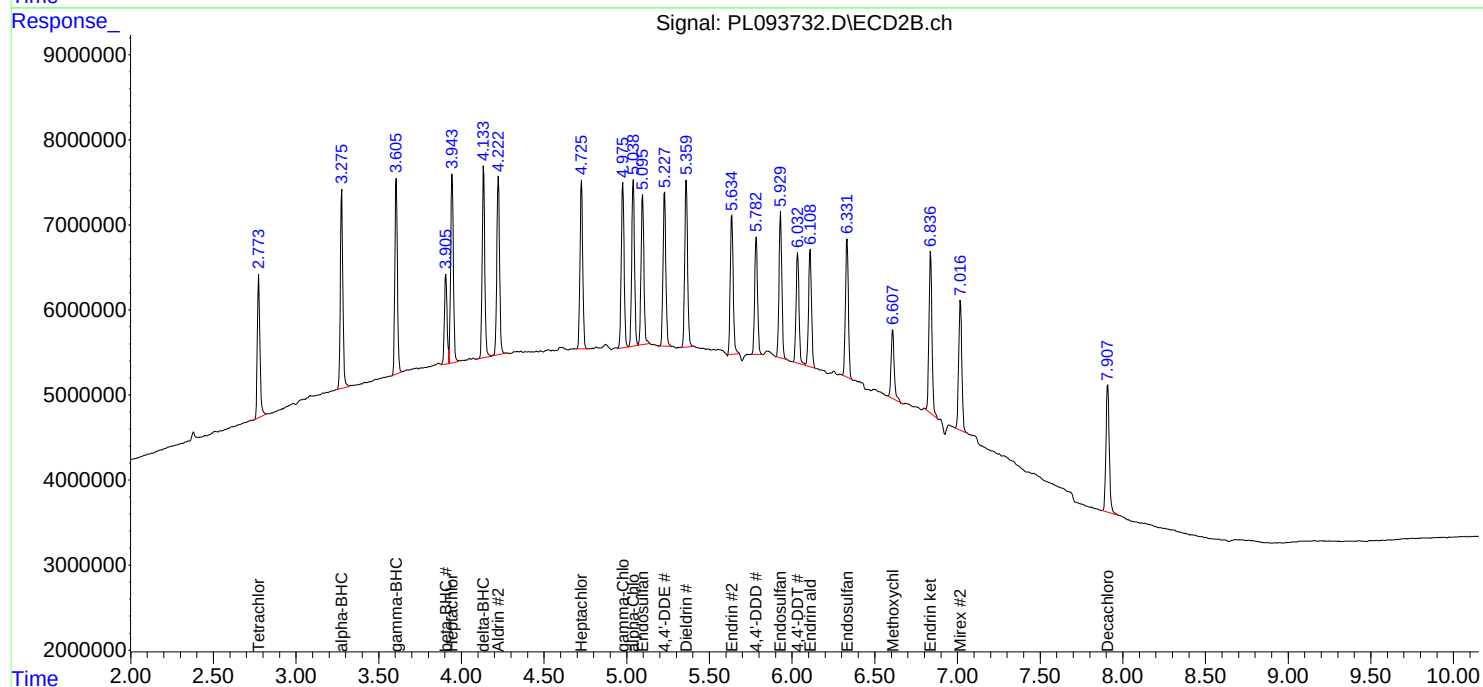
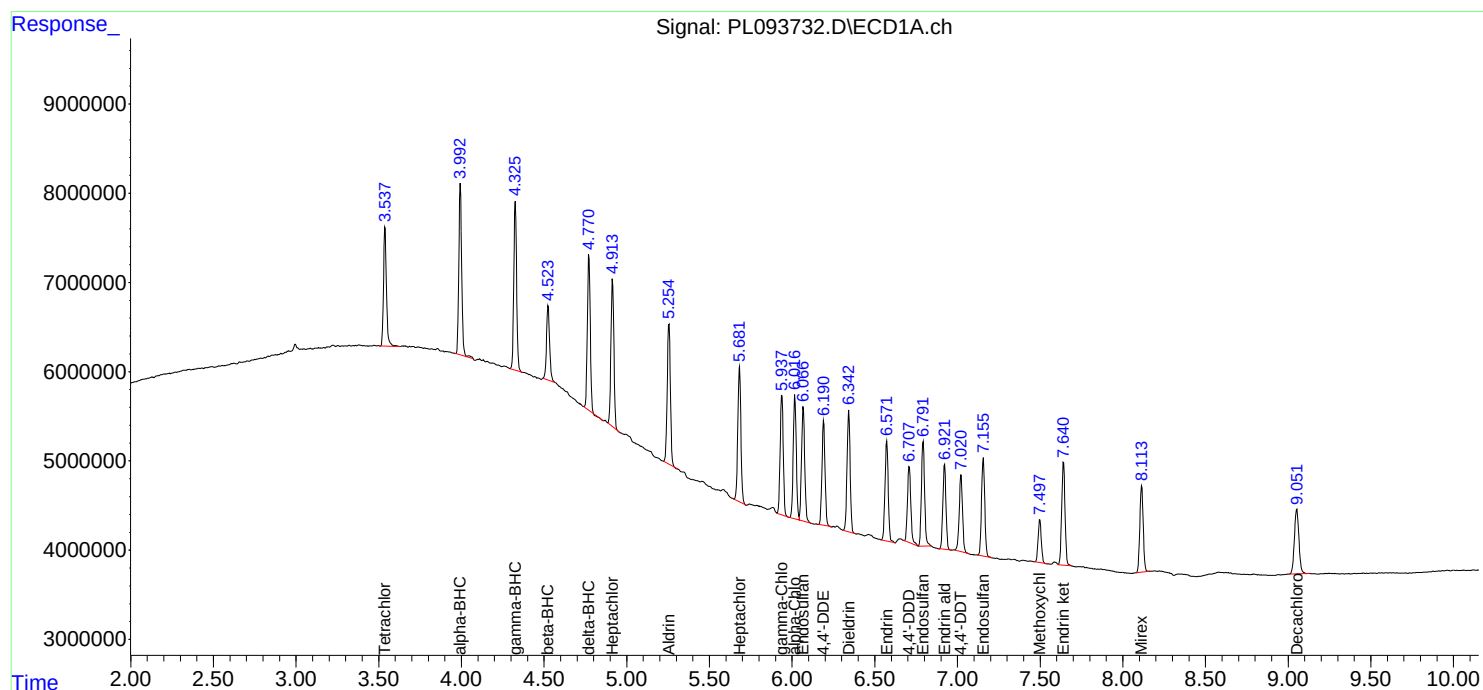
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

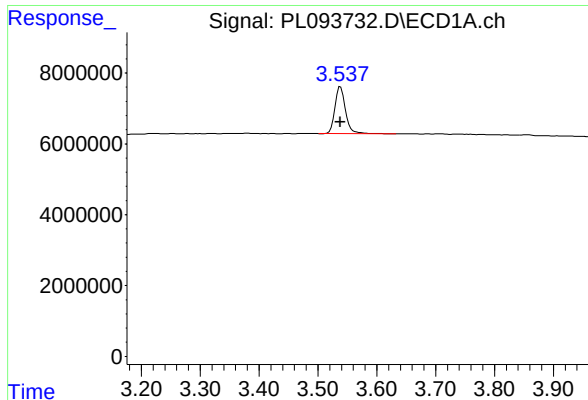
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 11:51
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:01:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:52:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

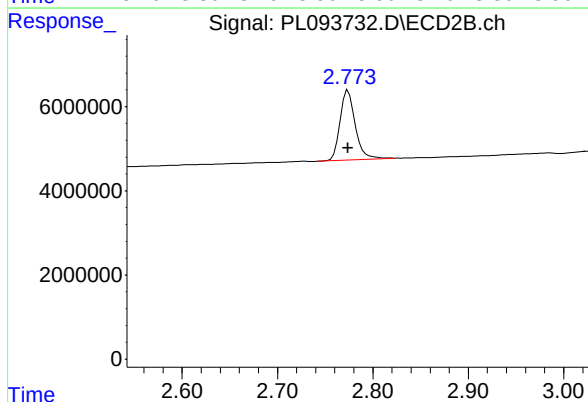




#1 Tetrachloro-m-xylene

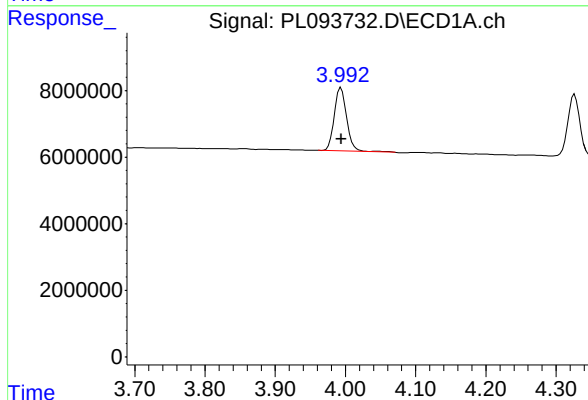
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 16637105
Conc: 6.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



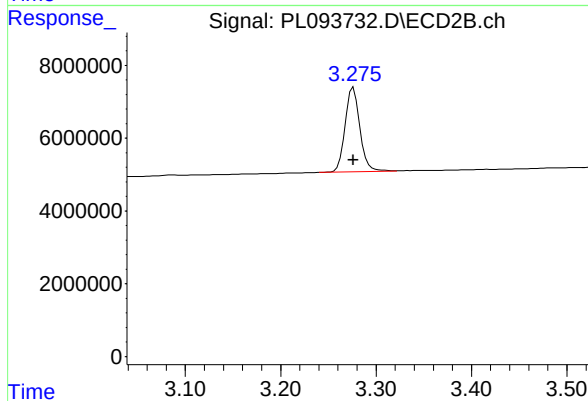
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 18287931
Conc: 5.60 ng/ml



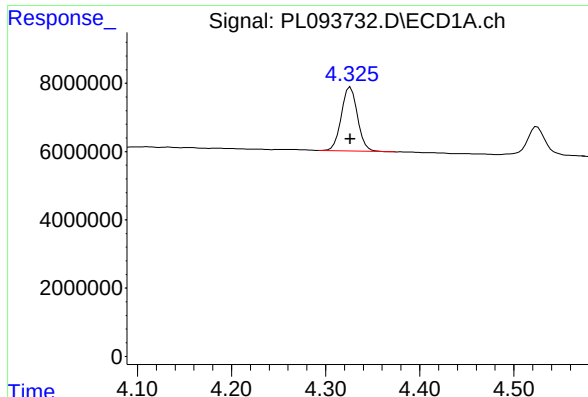
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 23301548
Conc: 6.08 ng/ml



#2 alpha-BHC

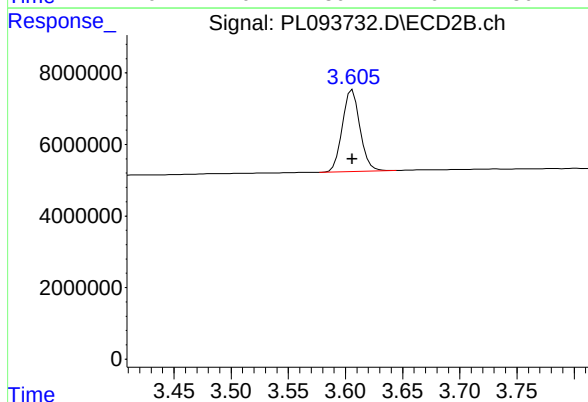
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 25051289
Conc: 5.12 ng/ml



#3 gamma-BHC (Lindane)

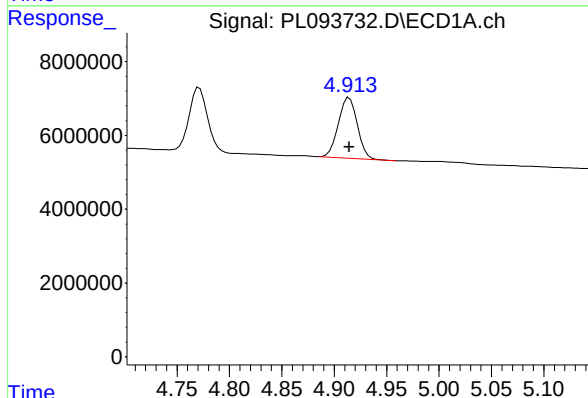
R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 22354233
Conc: 6.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



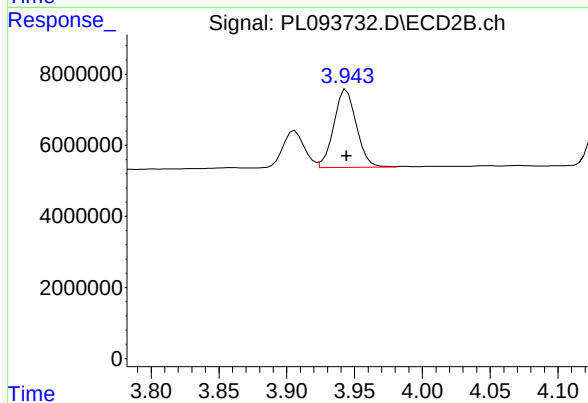
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: 0.000 min
Response: 24631359
Conc: 5.20 ng/ml



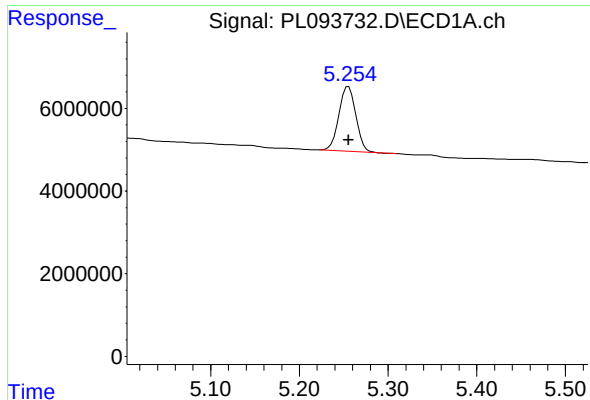
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 20465600
Conc: 6.24 ng/ml



#4 Heptachlor

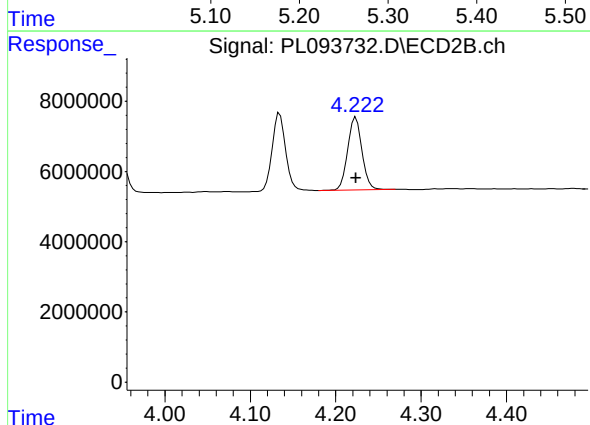
R.T.: 3.944 min
Delta R.T.: 0.000 min
Response: 25421102
Conc: 5.46 ng/ml



#5 Aldrin

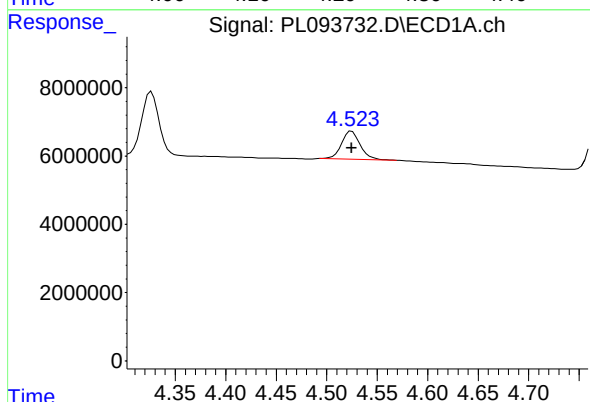
R.T.: 5.255 min
Delta R.T.: 0.000 min
Response: 20732862
Conc: 6.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



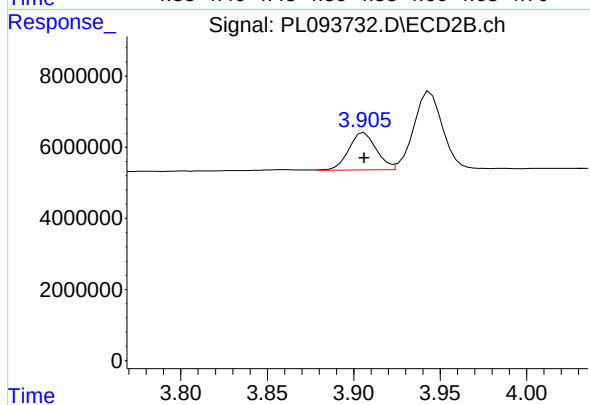
#5 Aldrin

R.T.: 4.223 min
Delta R.T.: 0.000 min
Response: 24380948
Conc: 5.34 ng/ml



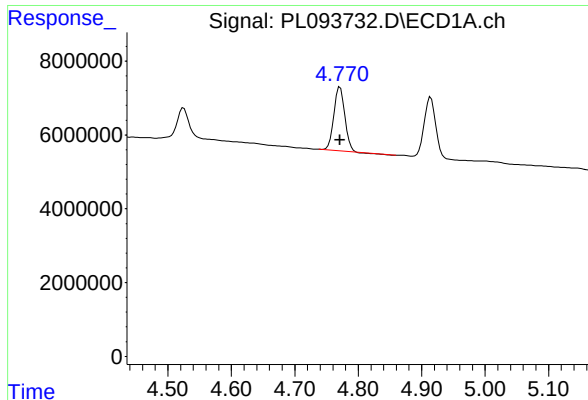
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 10607660
Conc: 6.60 ng/ml



#6 beta-BHC

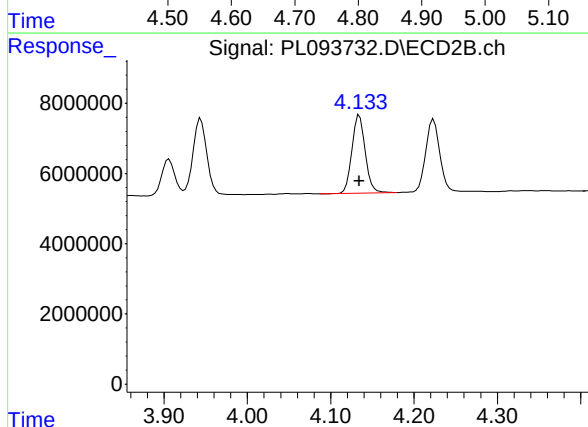
R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 11595524
Conc: 5.81 ng/ml



#7 delta-BHC

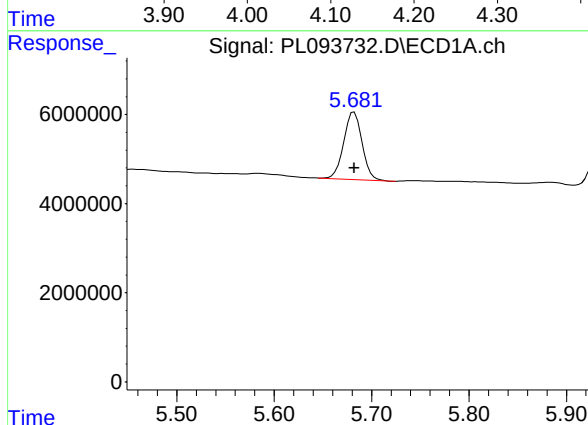
R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 20943898
Conc: 5.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



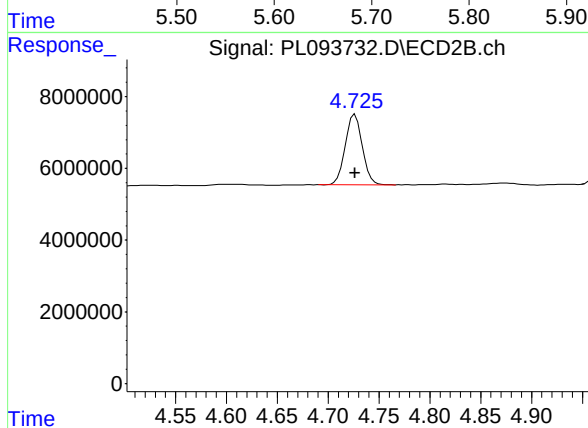
#7 delta-BHC

R.T.: 4.134 min
Delta R.T.: 0.000 min
Response: 24697126
Conc: 5.20 ng/ml



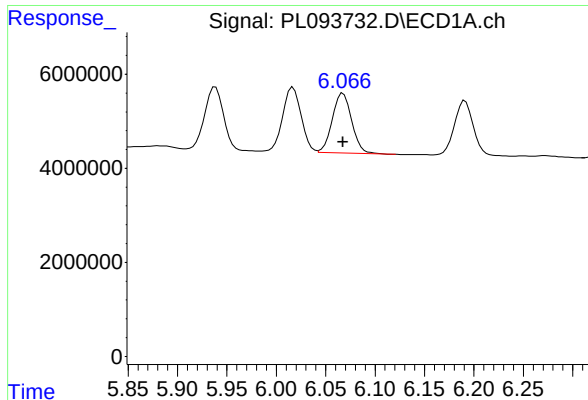
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 19675106
Conc: 6.62 ng/ml



#8 Heptachlor epoxide

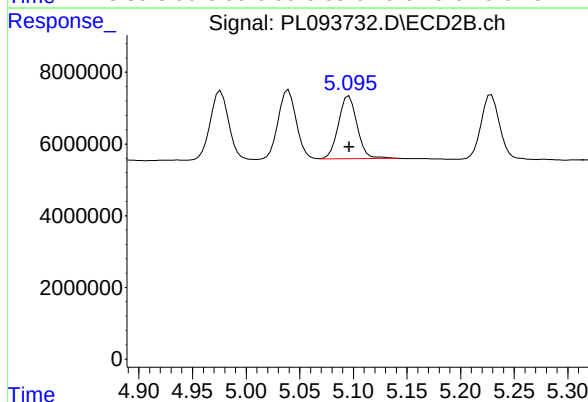
R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 22877181
Conc: 5.47 ng/ml



#9 Endosulfan I

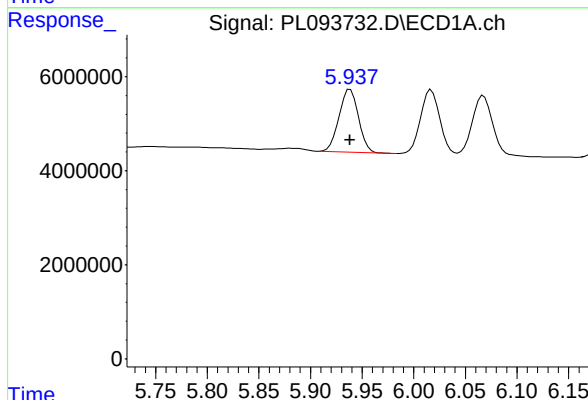
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 17228246
Conc: 6.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



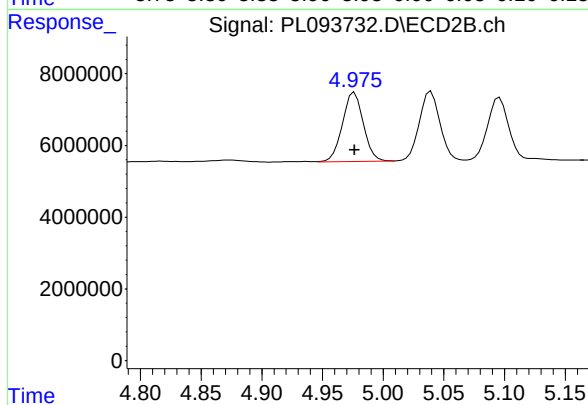
#9 Endosulfan I

R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 21272747
Conc: 5.49 ng/ml



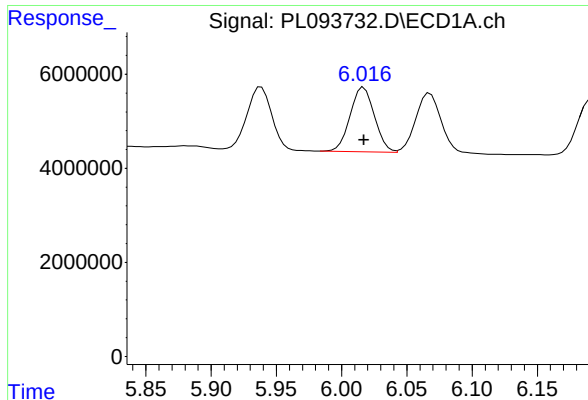
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 17575834
Conc: 6.31 ng/ml



#10 gamma-Chlordane

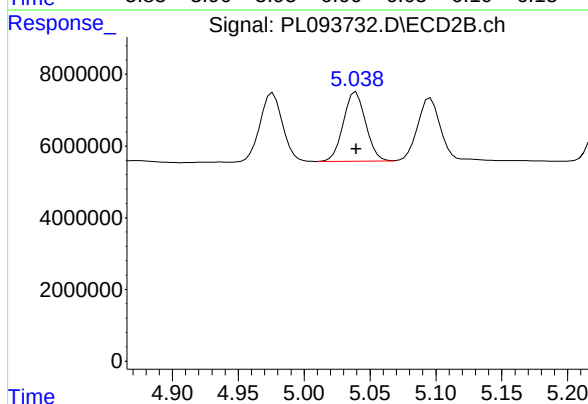
R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 23077513
Conc: 5.45 ng/ml



#11 alpha-Chlordane

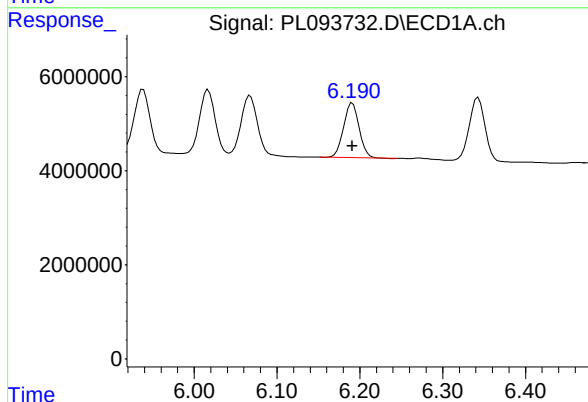
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 17853432
Conc: 6.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



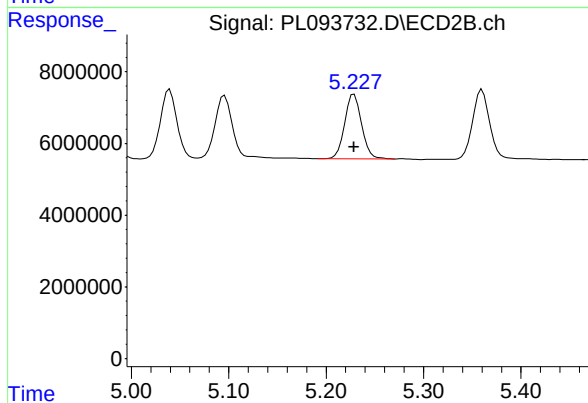
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 22874114
Conc: 5.46 ng/ml



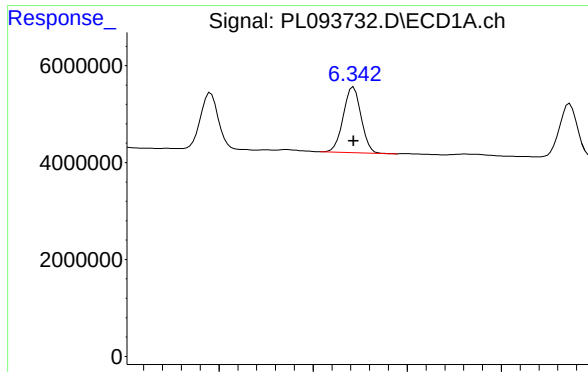
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 15062588
Conc: 6.19 ng/ml



#12 4,4'-DDE

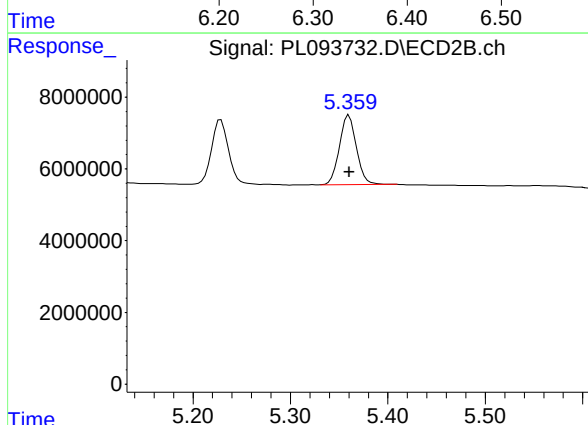
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 21725638
Conc: 5.42 ng/ml



#13 Dieldrin

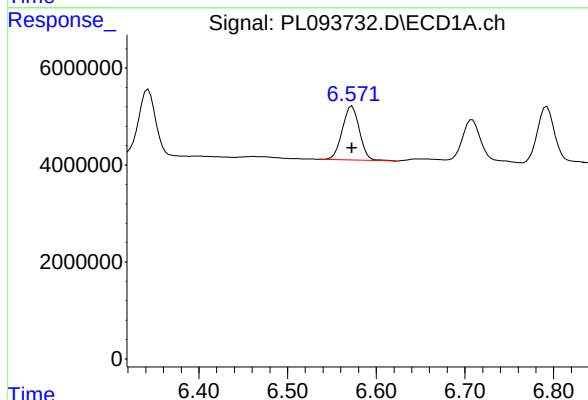
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 17771692
Conc: 6.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



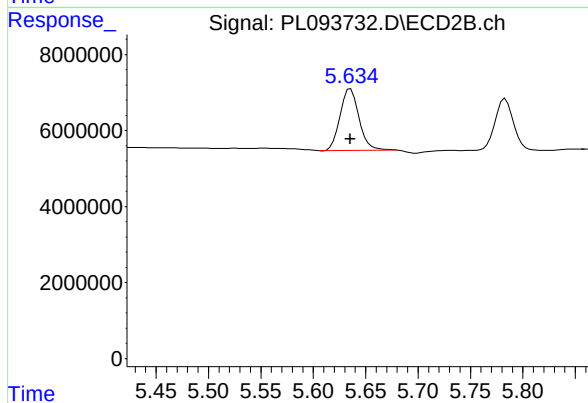
#13 Dieldrin

R.T.: 5.360 min
Delta R.T.: 0.000 min
Response: 23498784
Conc: 5.47 ng/ml



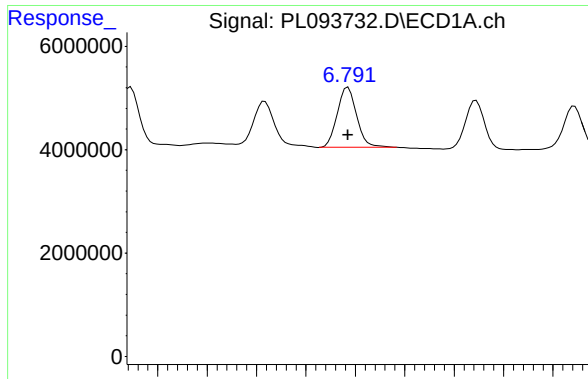
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 15009439
Conc: 6.40 ng/ml



#14 Endrin

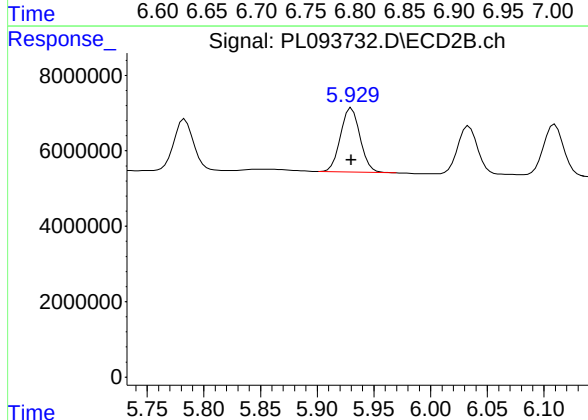
R.T.: 5.635 min
Delta R.T.: 0.000 min
Response: 20488065
Conc: 5.55 ng/ml



#15 Endosulfan II

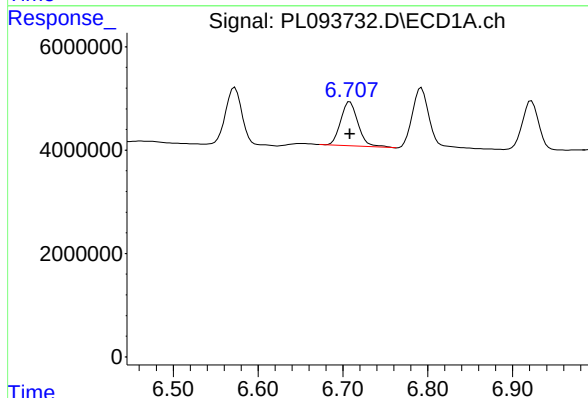
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 15801314
Conc: 6.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



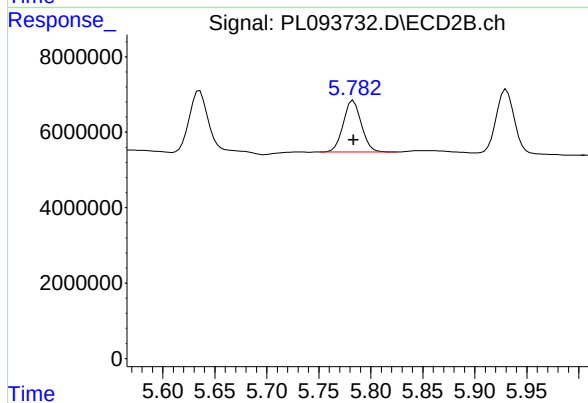
#15 Endosulfan II

R.T.: 5.930 min
Delta R.T.: 0.000 min
Response: 20403798
Conc: 5.51 ng/ml



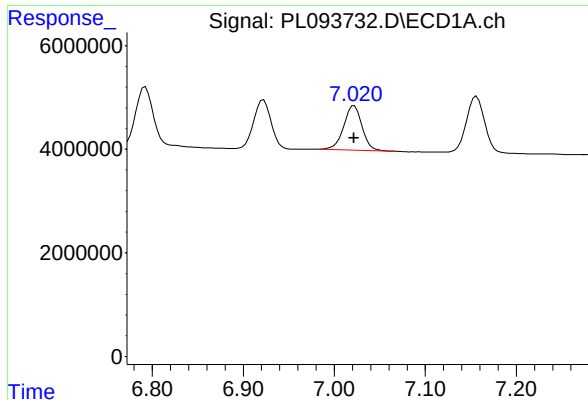
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.000 min
Response: 12134151
Conc: 6.38 ng/ml



#16 4,4'-DDD

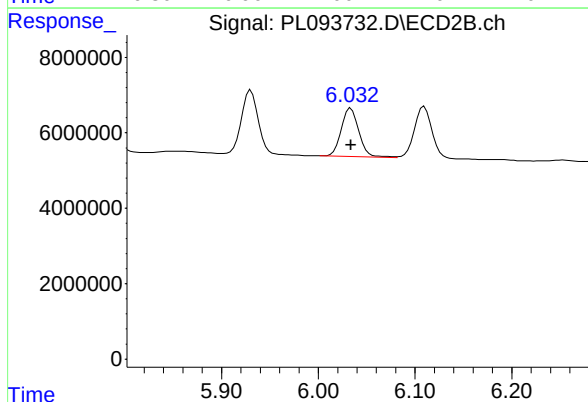
R.T.: 5.783 min
Delta R.T.: 0.000 min
Response: 16521614
Conc: 5.23 ng/ml



#17 4,4'-DDT

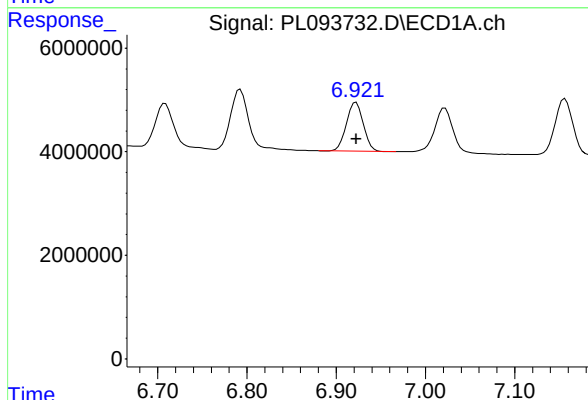
R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 12070833
Conc: 6.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



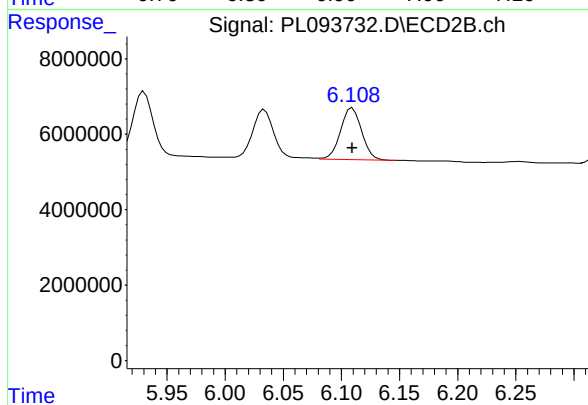
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 16163358
Conc: 4.97 ng/ml



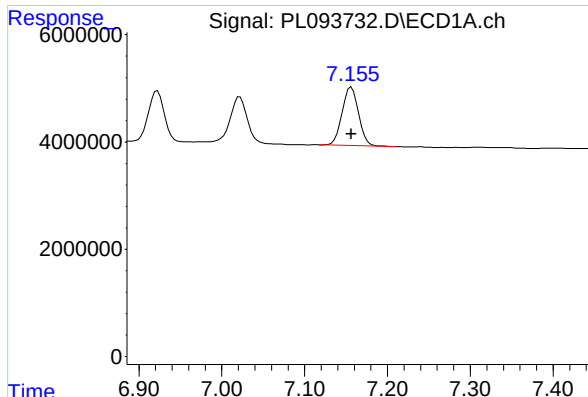
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 12477919
Conc: 6.42 ng/ml



#18 Endrin aldehyde

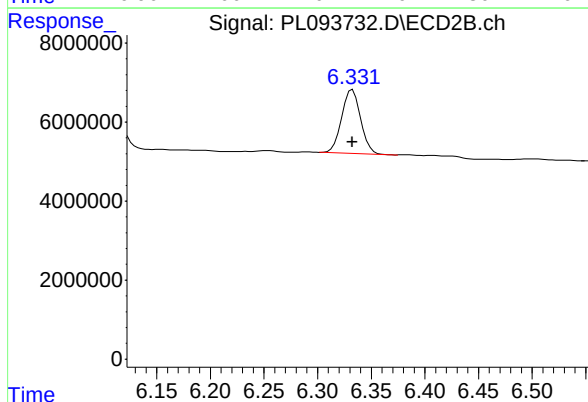
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 17329206
Conc: 5.69 ng/ml



#19 Endosulfan Sulfate

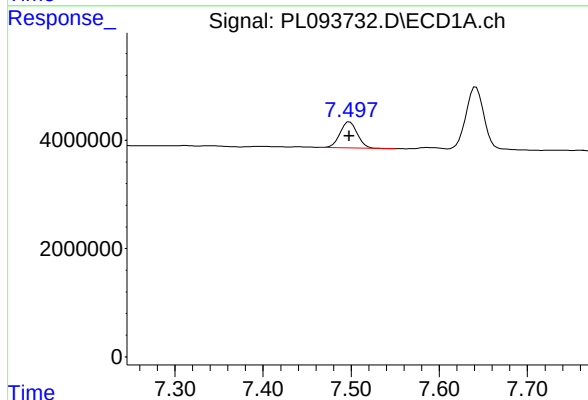
R.T.: 7.156 min
Delta R.T.: 0.000 min
Response: 15057236
Conc: 6.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



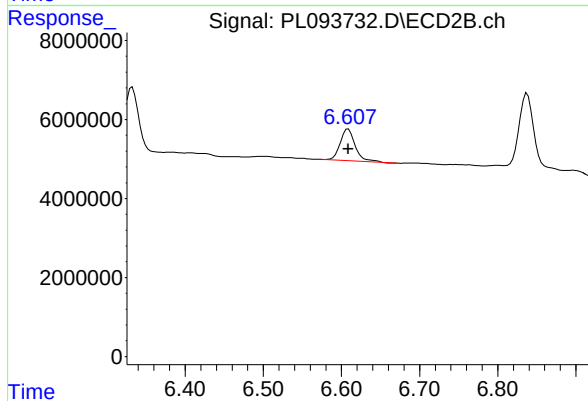
#19 Endosulfan Sulfate

R.T.: 6.332 min
Delta R.T.: 0.000 min
Response: 19816189
Conc: 5.56 ng/ml



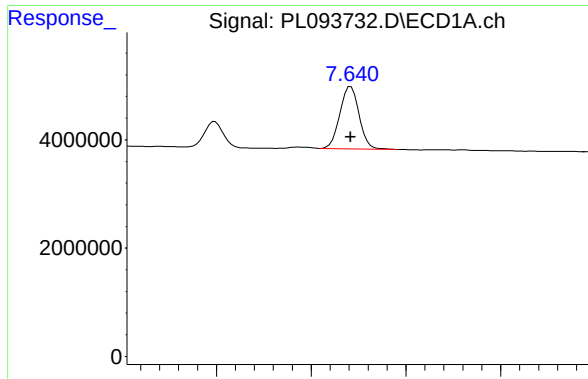
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 6435643
Conc: 6.17 ng/ml



#20 Methoxychlor

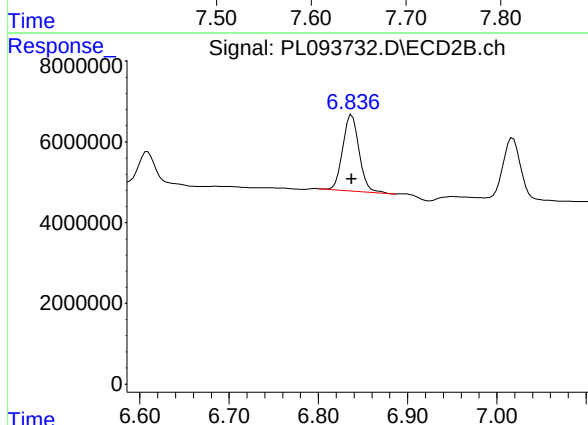
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 10701964
Conc: 5.98 ng/ml



#21 Endrin ketone

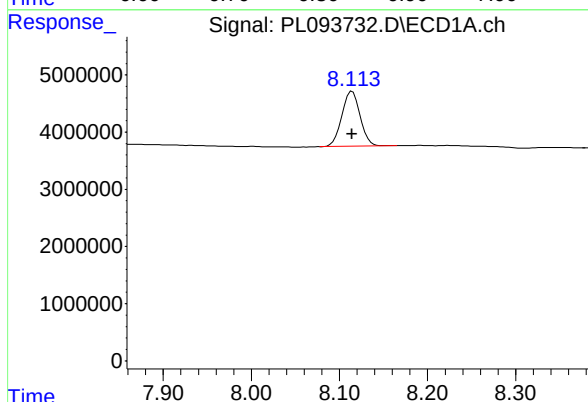
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 16285626
Conc: 6.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



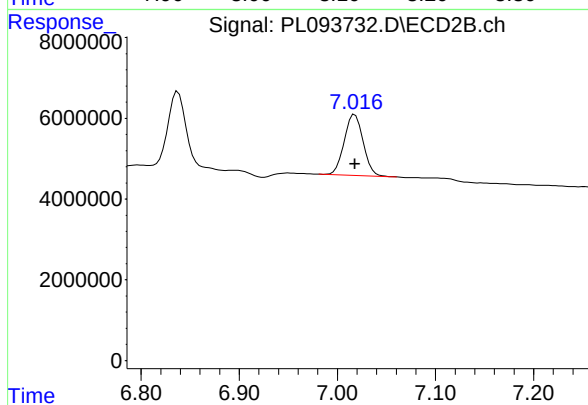
#21 Endrin ketone

R.T.: 6.837 min
Delta R.T.: 0.000 min
Response: 24108712
Conc: 5.75 ng/ml



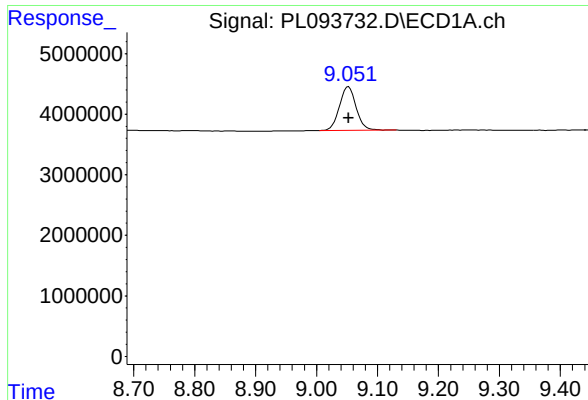
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.000 min
Response: 13884960
Conc: 6.67 ng/ml



#22 Mirex

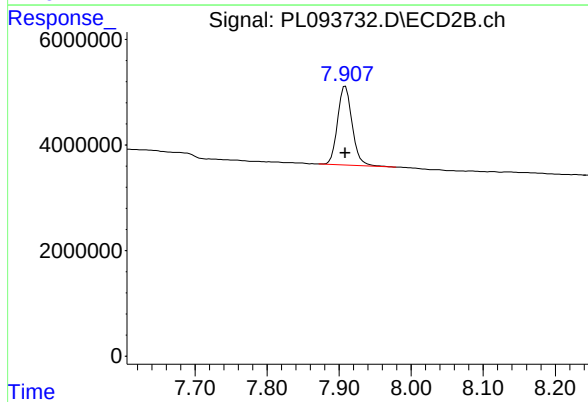
R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 20156166
Conc: 5.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 13789093
Conc: 6.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDICC005



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 20761045
Conc: 5.92 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093735.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 12:32
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: Jan 21 13:40:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:40:02 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.773	118.0E6	178.8E6	50.000	50.000
28) SA Decachlor...	9.053	7.909	91356144	160.3E6	50.000	50.000
Target Compounds						
23) Chlordane-1	4.700	3.771	55335446	61106259	500.000	500.000
24) Chlordane-2	5.229	4.347	55911116	70304921	500.000	500.000
25) Chlordane-3	5.939	4.977	183.8E6	213.9E6	500.000	500.000
26) Chlordane-4	6.021	5.039	220.6E6	206.1E6	500.000	500.000
27) Chlordane-5	6.870	5.935	42155882	74355315	500.000	500.000

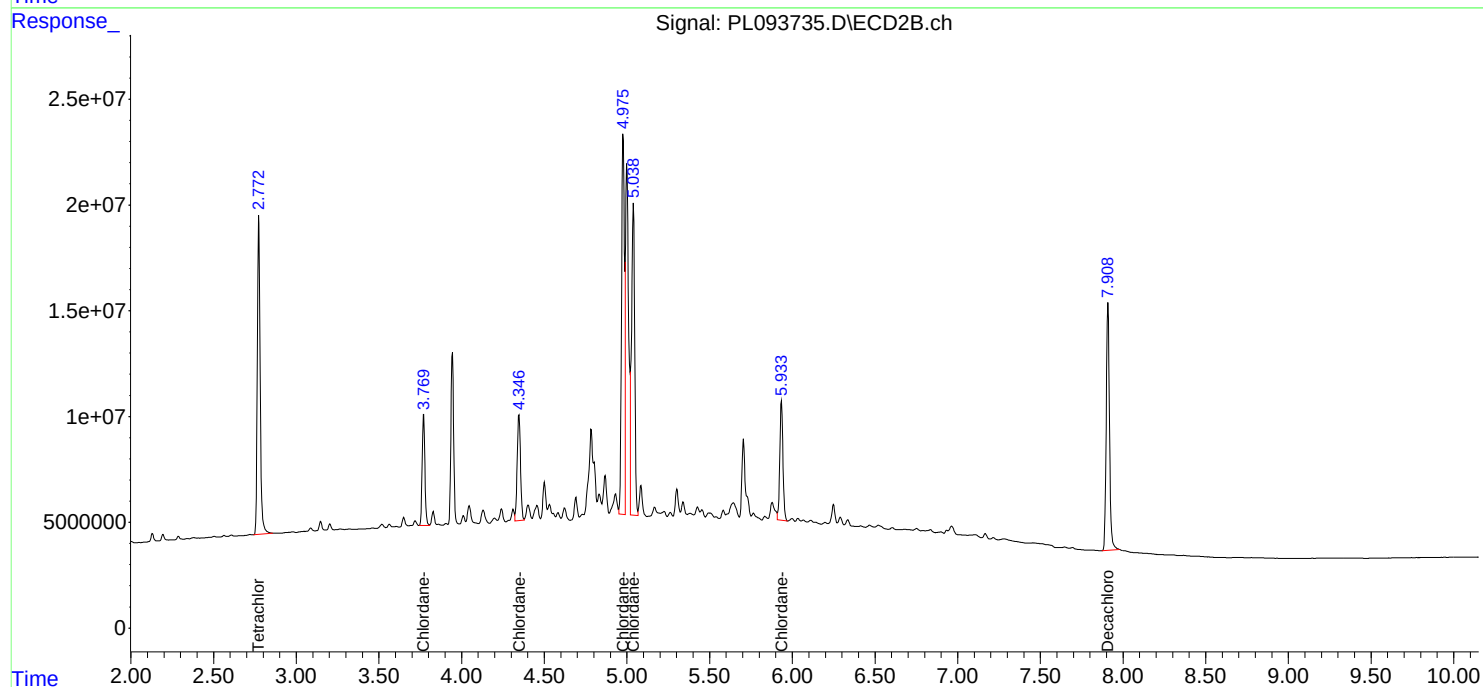
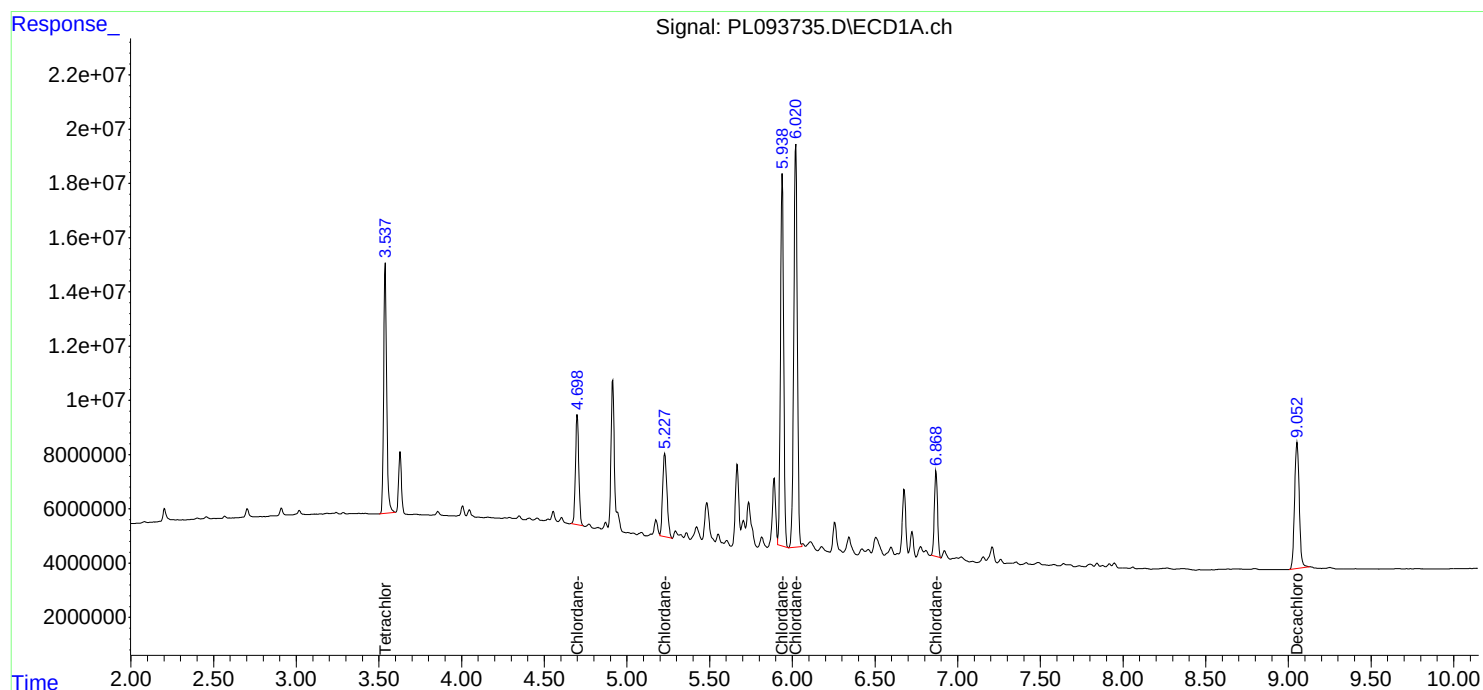
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

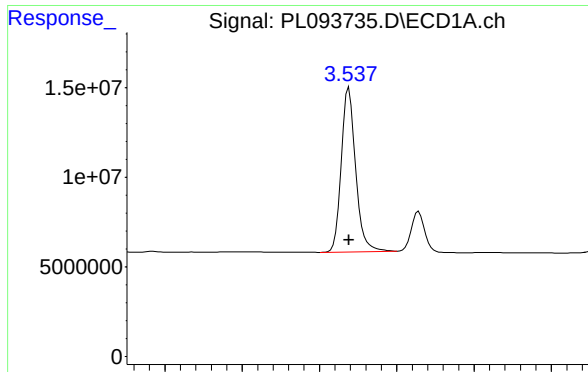
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093735.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 12:32
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 13:40:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 13:40:02 2025
Response via : Initial Calibration
Integrator: ChemStation

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

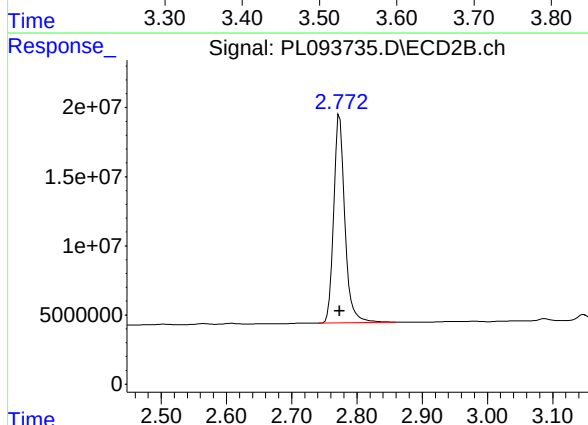




#1 Tetrachloro-m-xylene

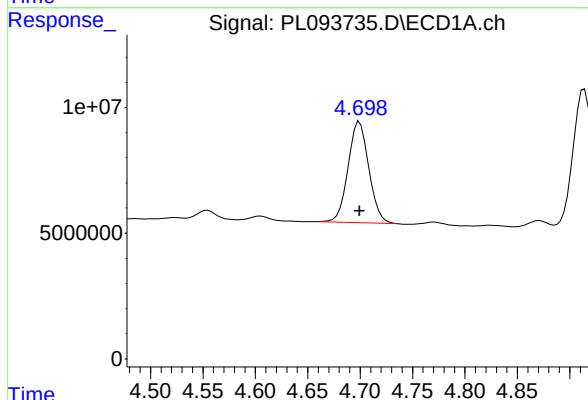
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 118044809
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



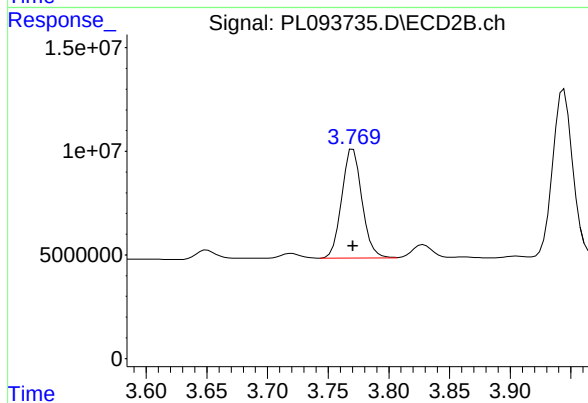
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: 0.000 min
Response: 178786091
Conc: 50.00 ng/ml



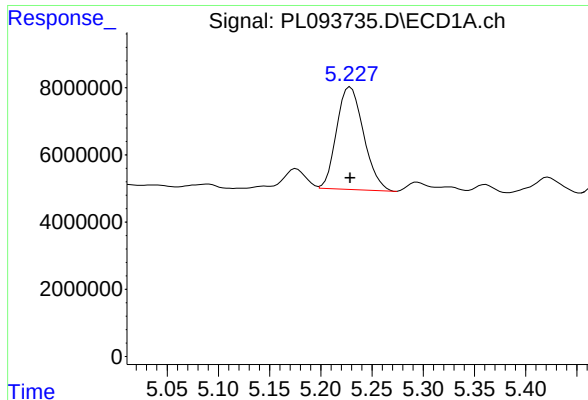
#23 Chlordane-1

R.T.: 4.700 min
Delta R.T.: 0.000 min
Response: 55335446
Conc: 500.00 ng/ml



#23 Chlordane-1

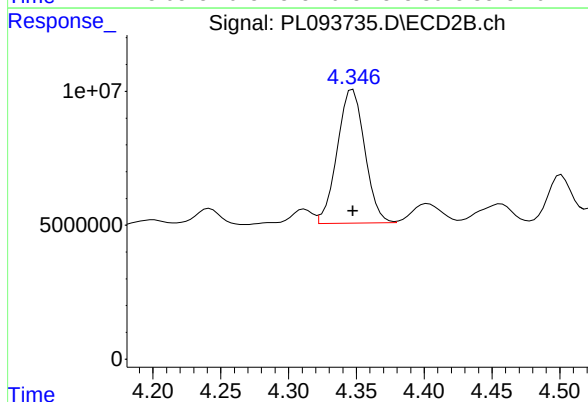
R.T.: 3.771 min
Delta R.T.: 0.000 min
Response: 61106259
Conc: 500.00 ng/ml



#24 Chlordane-2

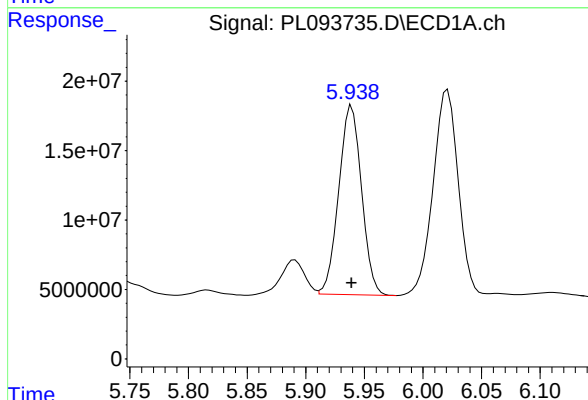
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 55911116
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



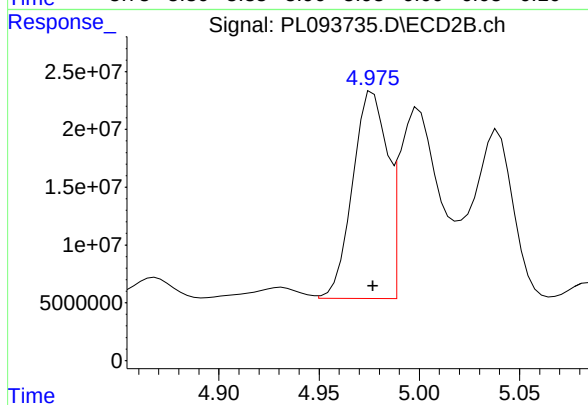
#24 Chlordane-2

R.T.: 4.347 min
Delta R.T.: 0.000 min
Response: 70304921
Conc: 500.00 ng/ml



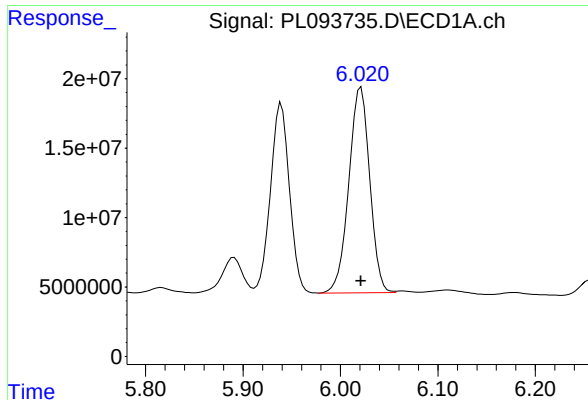
#25 Chlordane-3

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 183782045
Conc: 500.00 ng/ml



#25 Chlordane-3

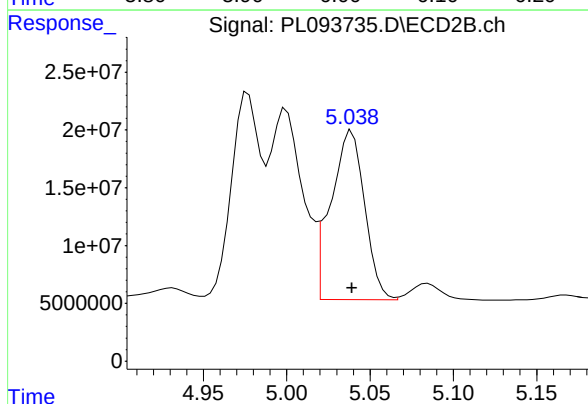
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 213941021
Conc: 500.00 ng/ml



#26 Chlordane-4

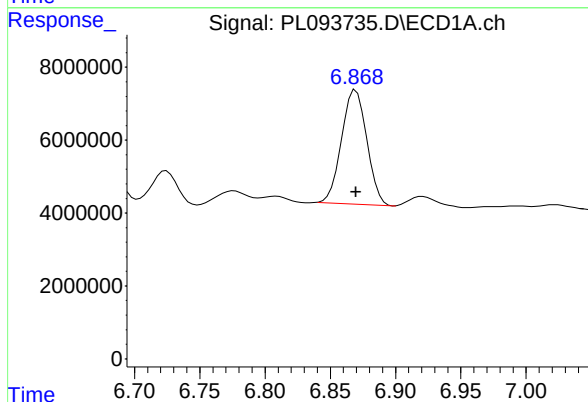
R.T.: 6.021 min
Delta R.T.: 0.000 min
Response: 220583333
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



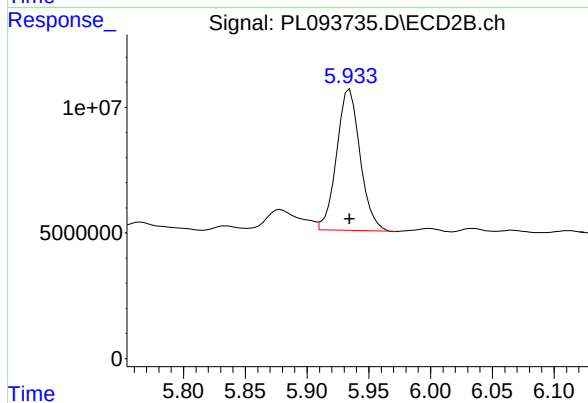
#26 Chlordane-4

R.T.: 5.039 min
Delta R.T.: 0.000 min
Response: 206126766
Conc: 500.00 ng/ml



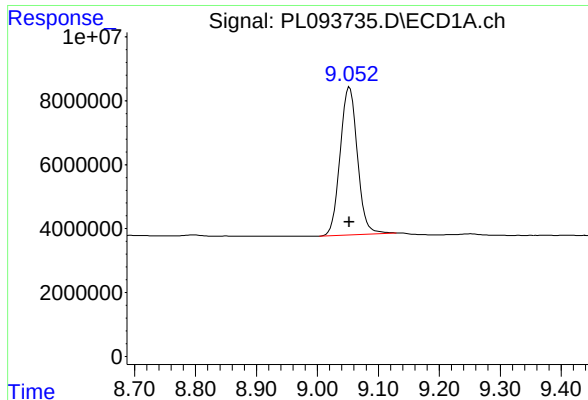
#27 Chlordane-5

R.T.: 6.870 min
Delta R.T.: 0.000 min
Response: 42155882
Conc: 500.00 ng/ml



#27 Chlordane-5

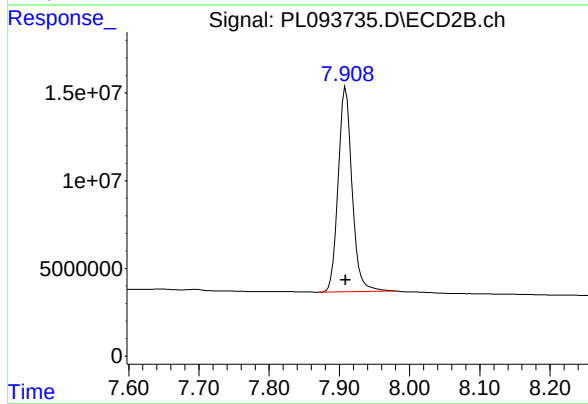
R.T.: 5.935 min
Delta R.T.: 0.000 min
Response: 74355315
Conc: 500.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 91356144
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 160259410
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093740.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 13:39
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: Jan 21 14:13:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:13:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.539	2.774	124.5E6	157.4E6	50.000	50.000
7) SA Decachlor...	9.053	7.909	96684586	169.0E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.235	5.002	11722975	13528528	500.000	500.000
3) Toxaphene-2	6.440	5.326	7383579	11973587	500.000	500.000
4) Toxaphene-3	7.058	5.684	37947977	12363221	500.000	500.000
5) Toxaphene-4	7.147	6.599	28672538	42493596	500.000	500.000
6) Toxaphene-5	7.932	7.039	21533557	40119156	500.000	500.000

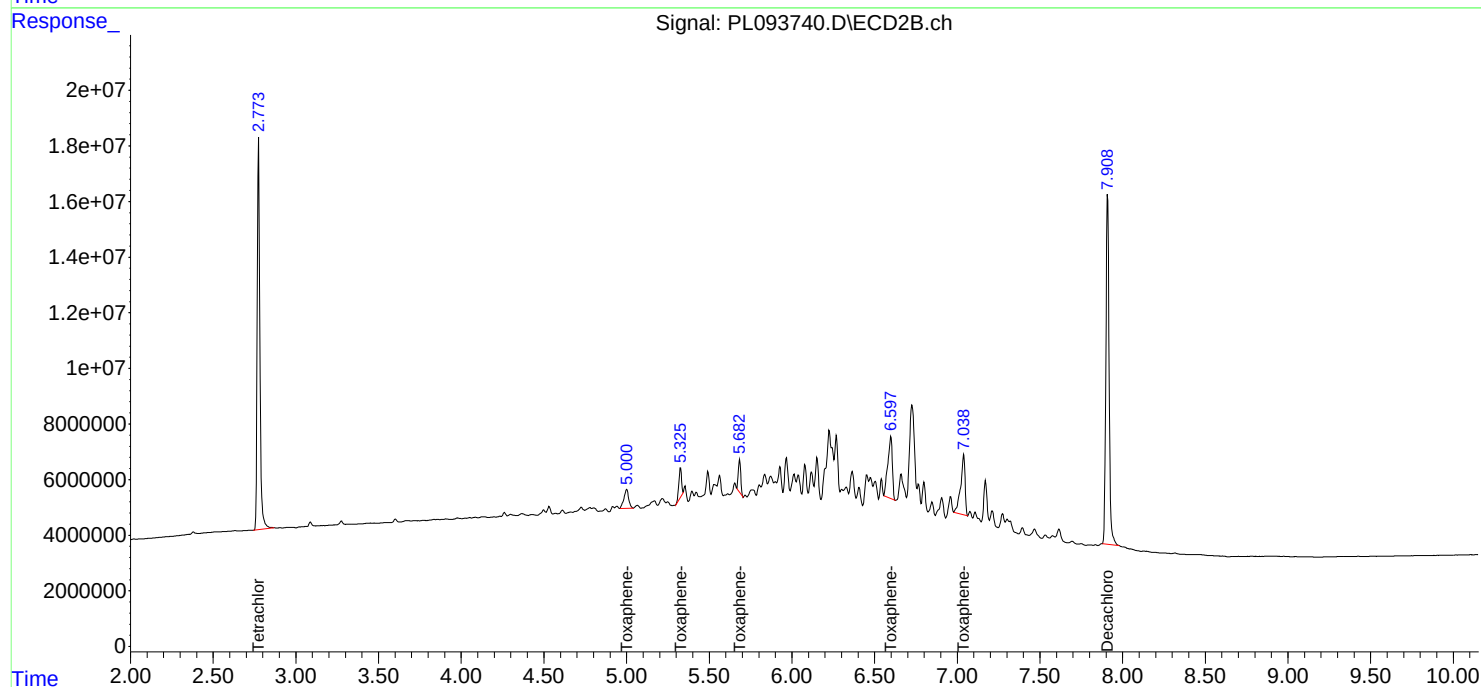
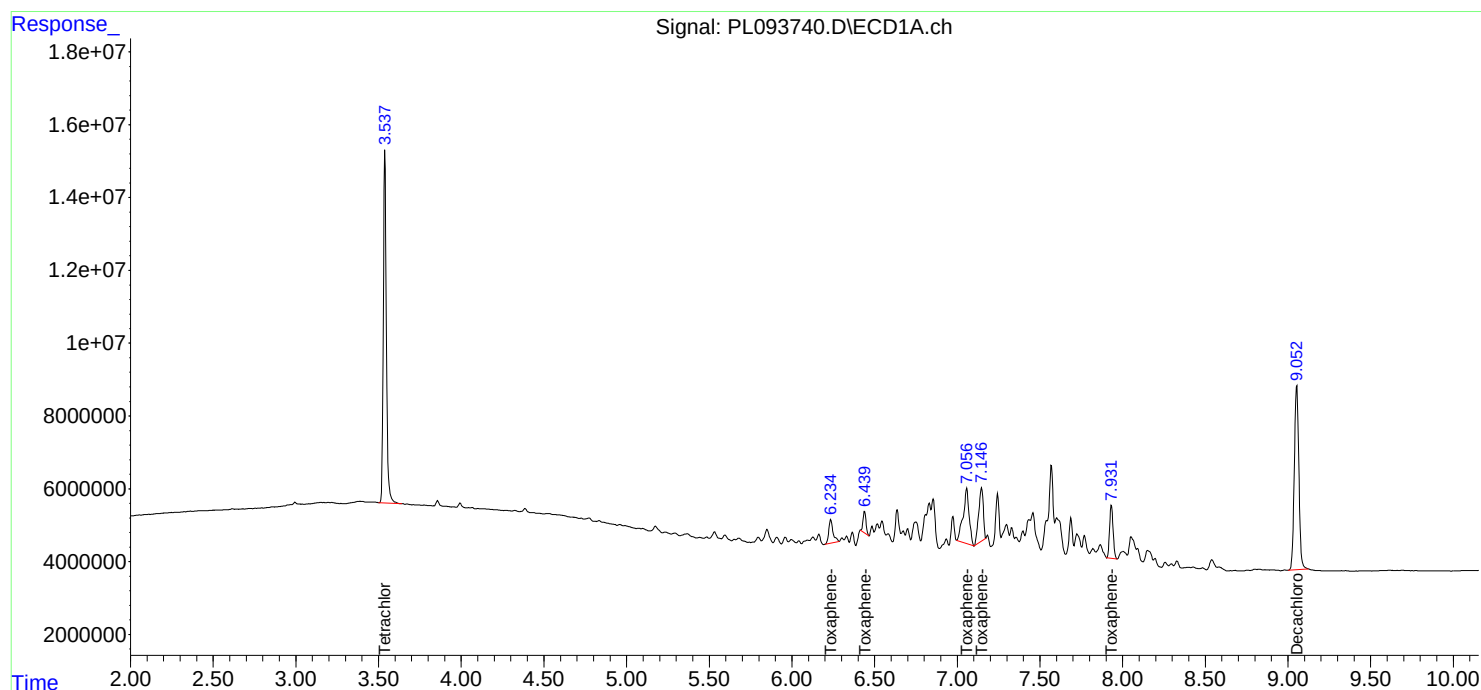
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

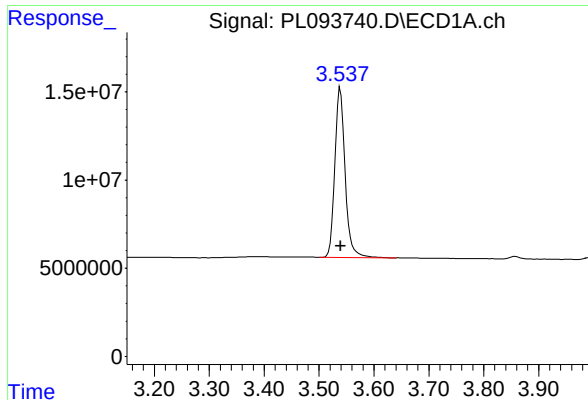
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093740.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 13:39
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:13:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:13:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x 0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm

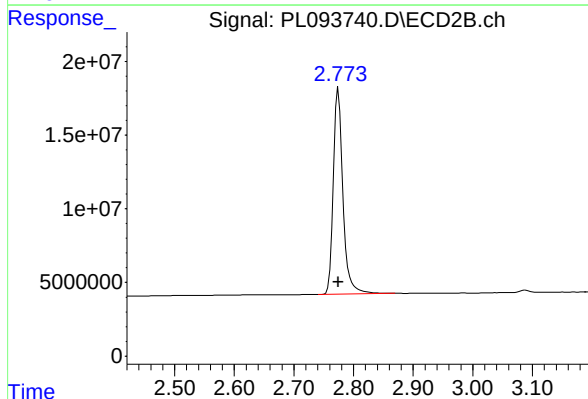




#1 Tetrachloro-m-xylene

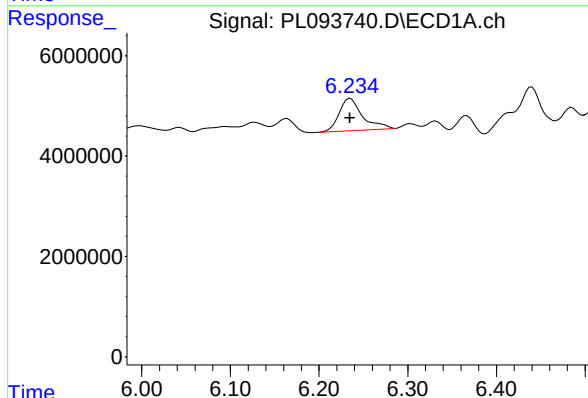
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 124524341
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



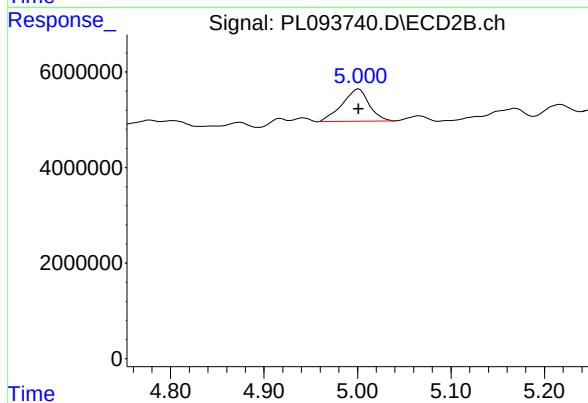
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 157364468
Conc: 50.00 ng/ml



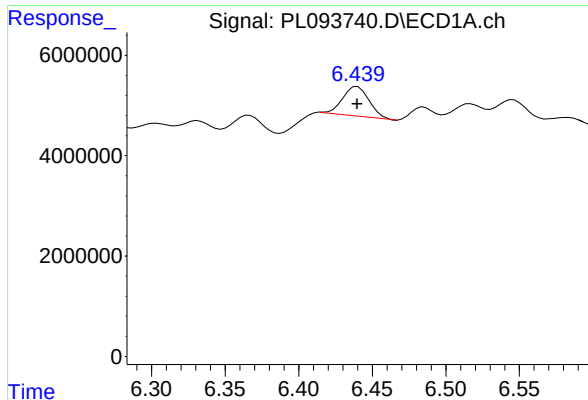
#2 Toxaphene-1

R.T.: 6.235 min
Delta R.T.: 0.000 min
Response: 11722975
Conc: 500.00 ng/ml



#2 Toxaphene-1

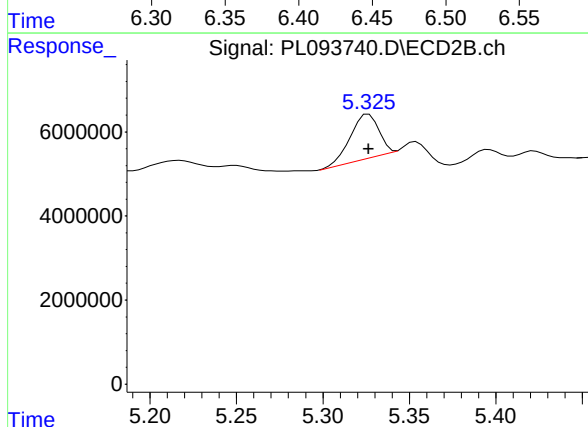
R.T.: 5.002 min
Delta R.T.: 0.000 min
Response: 13528528
Conc: 500.00 ng/ml



#3 Toxaphene-2

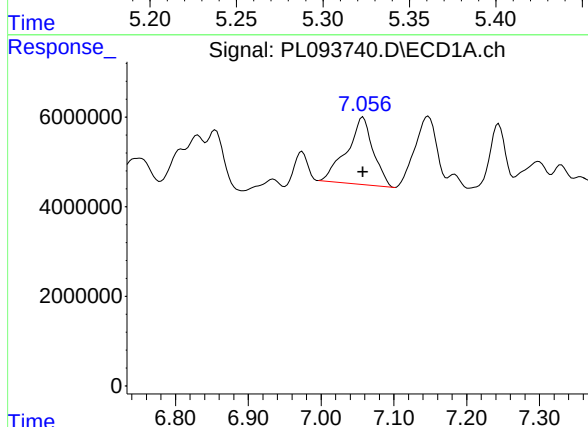
R.T.: 6.440 min
Delta R.T.: 0.000 min
Response: 7383579
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



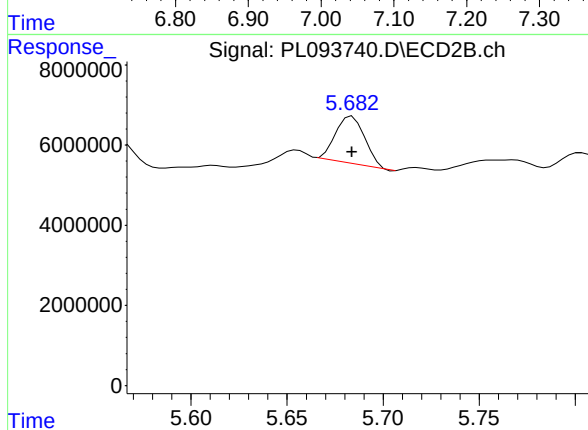
#3 Toxaphene-2

R.T.: 5.326 min
Delta R.T.: 0.000 min
Response: 11973587
Conc: 500.00 ng/ml



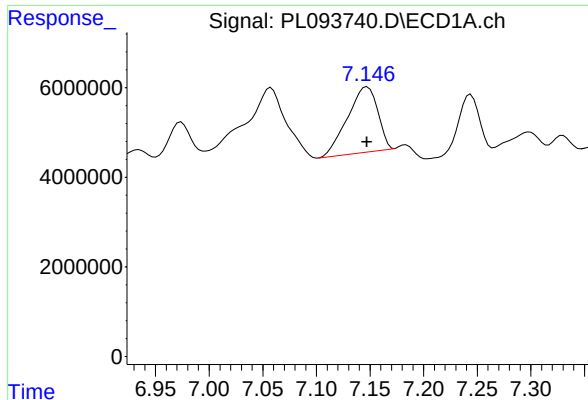
#4 Toxaphene-3

R.T.: 7.058 min
Delta R.T.: 0.000 min
Response: 37947977
Conc: 500.00 ng/ml



#4 Toxaphene-3

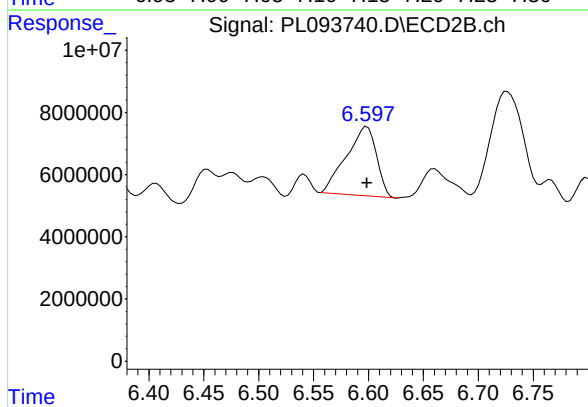
R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 12363221
Conc: 500.00 ng/ml



#5 Toxaphene-4

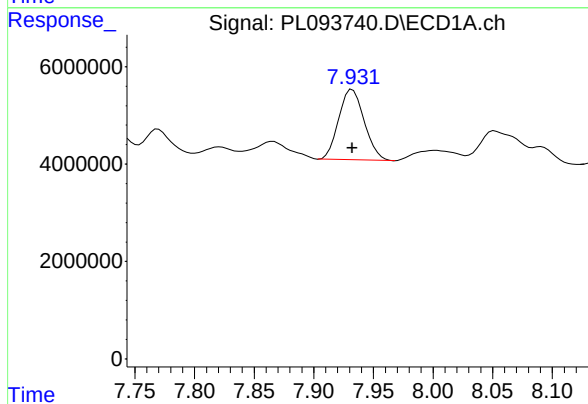
R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 28672538
Conc: 500.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



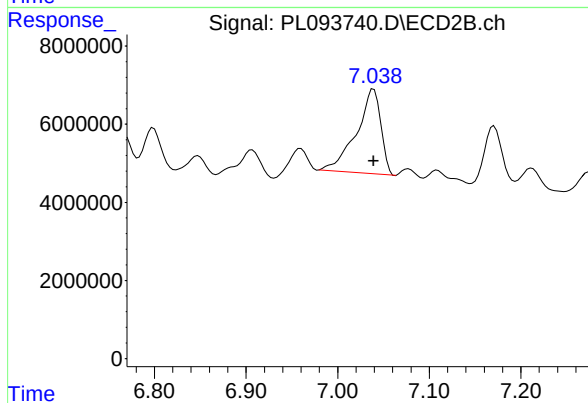
#5 Toxaphene-4

R.T.: 6.599 min
Delta R.T.: 0.000 min
Response: 42493596
Conc: 500.00 ng/ml



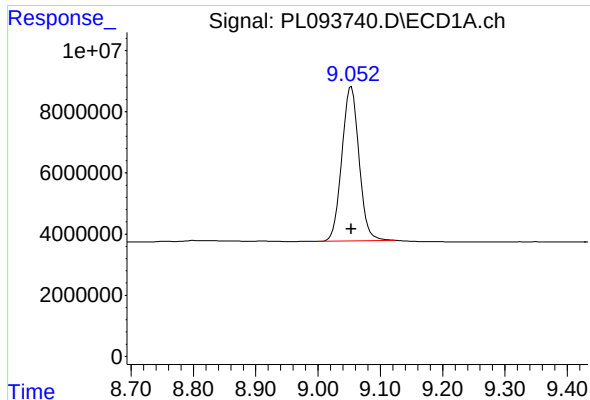
#6 Toxaphene-5

R.T.: 7.932 min
Delta R.T.: 0.000 min
Response: 21533557
Conc: 500.00 ng/ml



#6 Toxaphene-5

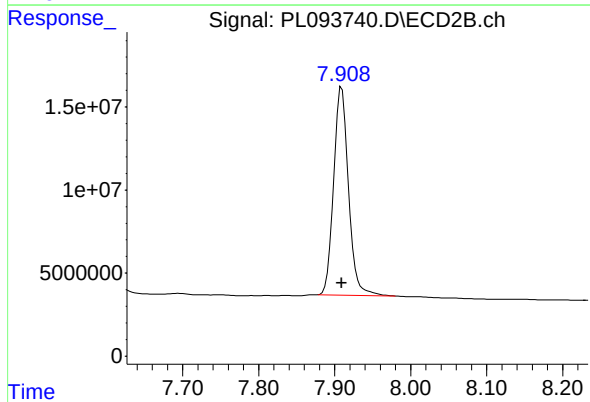
R.T.: 7.039 min
Delta R.T.: 0.000 min
Response: 40119156
Conc: 500.00 ng/ml



#7 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 96684586
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PTOXICC500



#7 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 169042393
Conc: 50.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
 Data File : PL093743.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Jan 2025 14:20
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ICVPL012125

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jan 21 14:28:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:02:23 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.539	2.774	141.2E6	176.6E6	52.434	54.093
28) SA Decachlor...	9.054	7.910	108.7E6	190.8E6	51.975	54.460
Target Compounds						
2) A alpha-BHC	3.995	3.277	200.6E6	269.7E6	52.316	55.168
3) MA gamma-BHC...	4.327	3.607	192.5E6	260.8E6	52.258	55.000
4) MA Heptachlor	4.915	3.945	166.4E6	253.0E6	50.760	54.351
5) MB Aldrin	5.256	4.225	167.1E6	250.6E6	51.084	54.939
6) B beta-BHC	4.525	3.907	81194319	107.5E6	50.515	53.798
7) B delta-BHC	4.772	4.135	181.5E6	260.8E6	51.768	54.892
8) B Heptachlo...	5.683	4.727	150.9E6	228.4E6	50.731	54.639
9) A Endosulfan I	6.068	5.096	134.8E6	212.0E6	51.009	54.694
10) B gamma-Chl...	5.938	4.977	144.6E6	231.3E6	51.881	54.579
11) B alpha-Chl...	6.017	5.041	143.8E6	228.4E6	51.572	54.561
12) B 4,4'-DDE	6.191	5.229	129.1E6	221.4E6	53.039	55.209
13) MA Dieldrin	6.343	5.361	143.4E6	234.2E6	51.649	54.528
14) MA Endrin	6.573	5.636	118.4E6	194.0E6	50.501	52.537
15) B Endosulfa...	6.793	5.931	124.2E6	202.0E6	51.563	54.540
16) A 4,4'-DDD	6.709	5.785	101.9E6	178.4E6	53.599	56.515
17) MA 4,4'-DDT	7.023	6.035	104.2E6	181.3E6	52.862	55.711
18) B Endrin al...	6.923	6.111	101.8E6	165.3E6	52.345	54.299
19) B Endosulfa...	7.158	6.333	115.9E6	193.8E6	51.182	54.342
20) A Methoxychlor	7.499	6.610	56233890	95758805	53.895	53.552
21) B Endrin ke...	7.642	6.838	132.2E6	231.2E6	52.424	55.120
22) Mirex	8.115	7.019	106.9E6	182.6E6	51.338	54.005

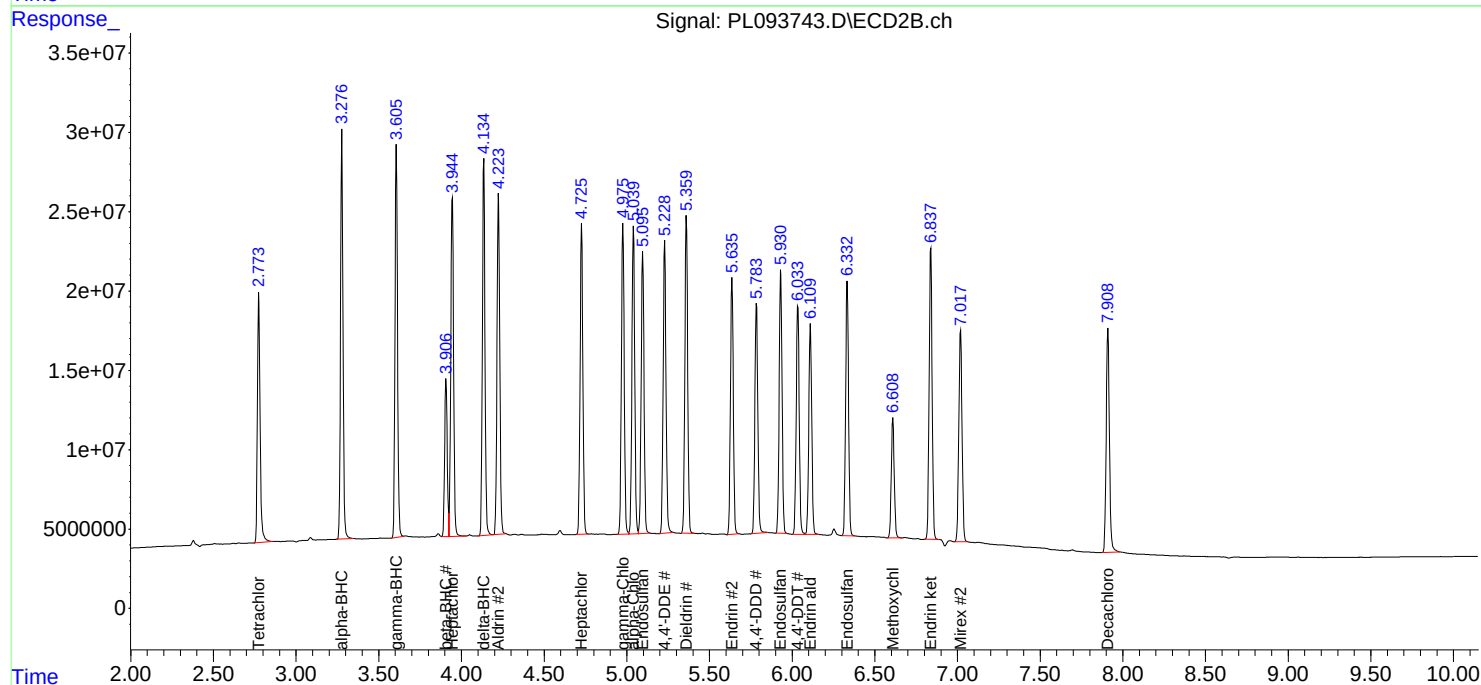
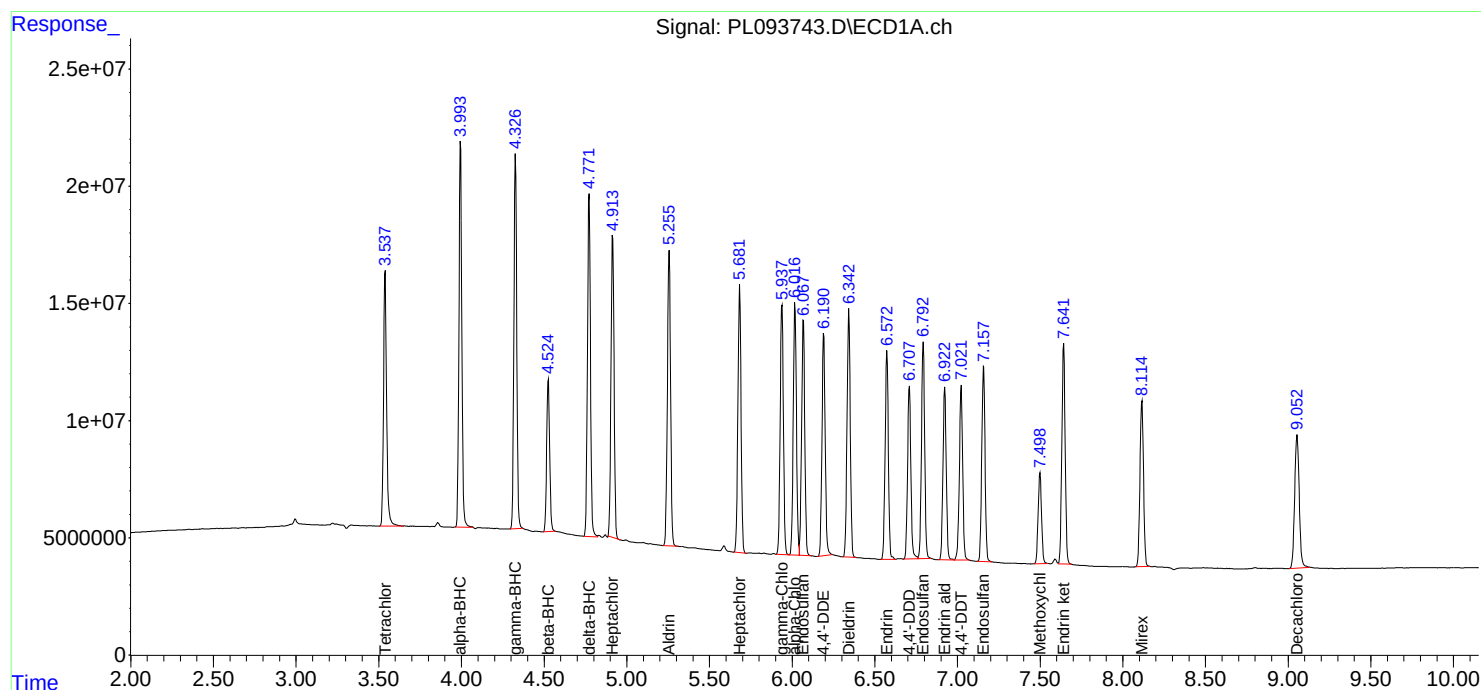
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

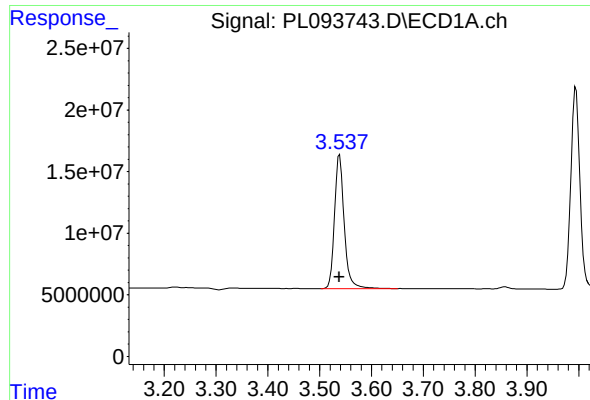
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093743.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 14:20
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL012125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:28:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

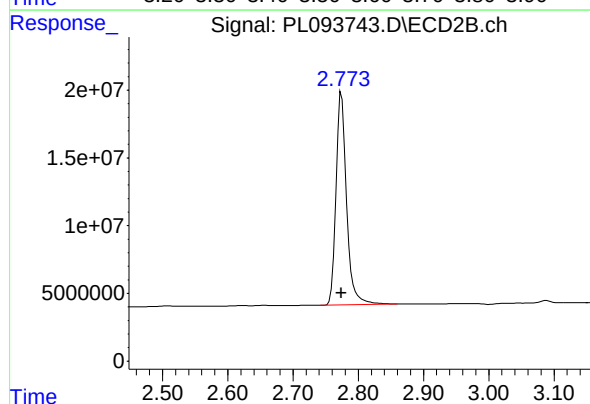




#1 Tetrachloro-m-xylene

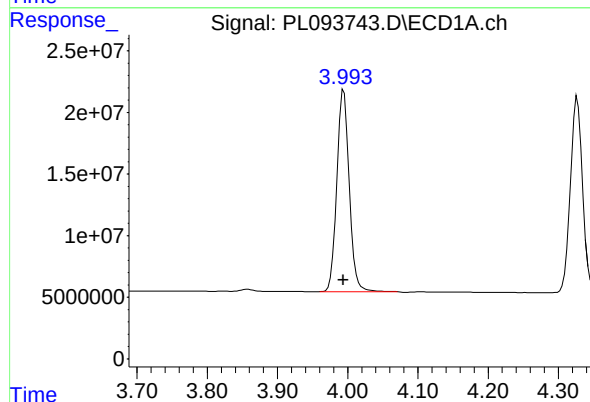
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 141191268
Conc: 52.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



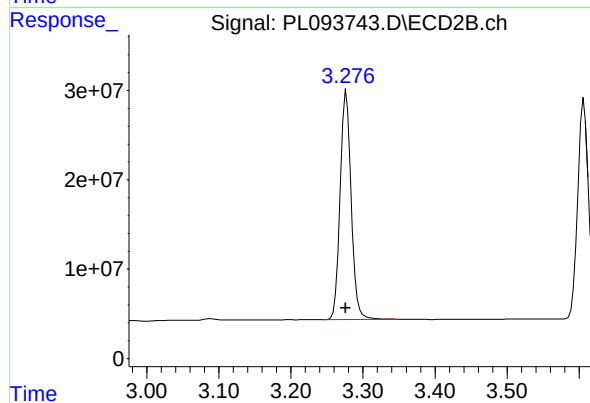
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 176566835
Conc: 54.09 ng/ml



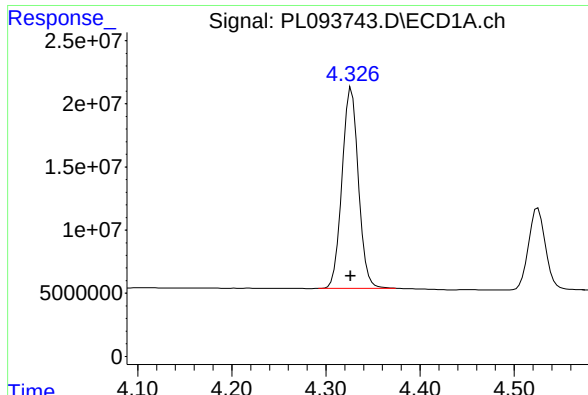
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 200569905
Conc: 52.32 ng/ml



#2 alpha-BHC

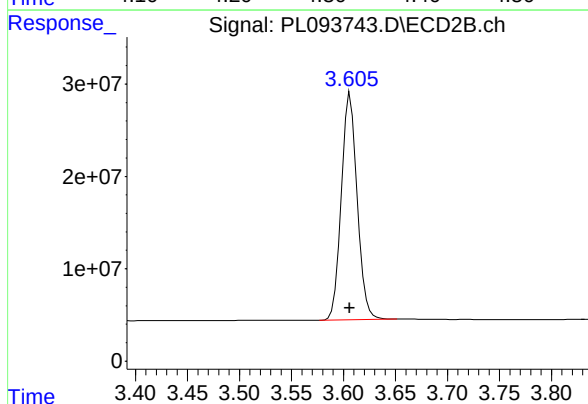
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 269716716
Conc: 55.17 ng/ml



#3 gamma-BHC (Lindane)

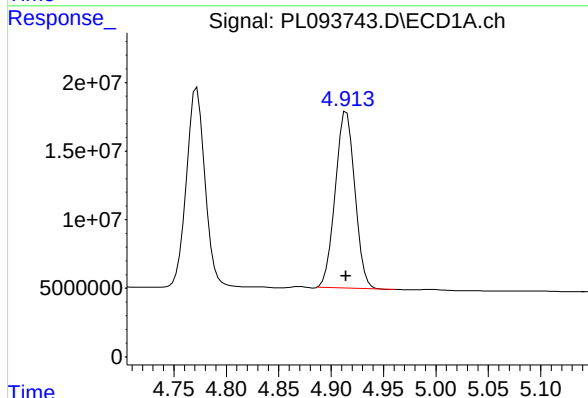
R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 192459165
Conc: 52.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



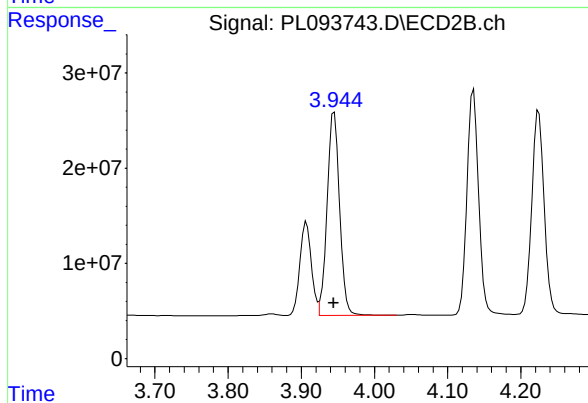
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 260765963
Conc: 55.00 ng/ml



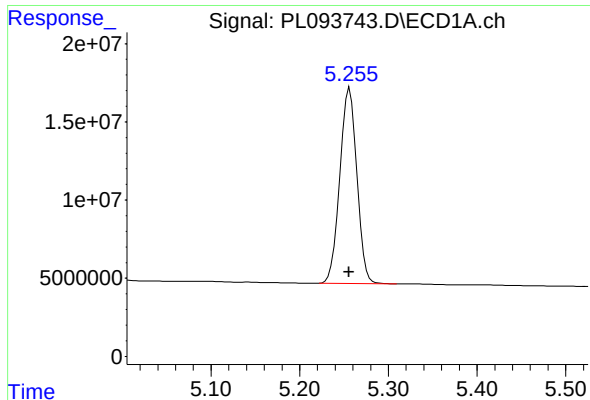
#4 Heptachlor

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 166357805
Conc: 50.76 ng/ml



#4 Heptachlor

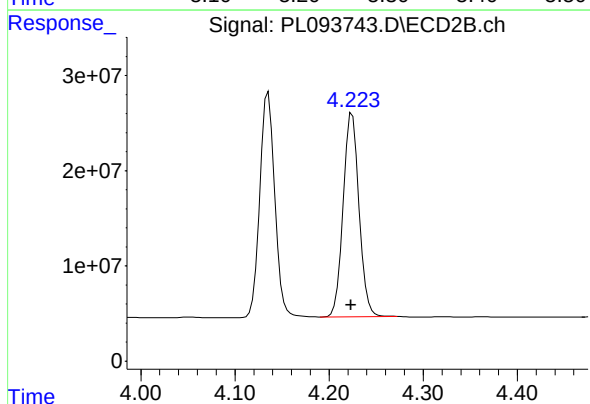
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 252994081
Conc: 54.35 ng/ml



#5 Aldrin

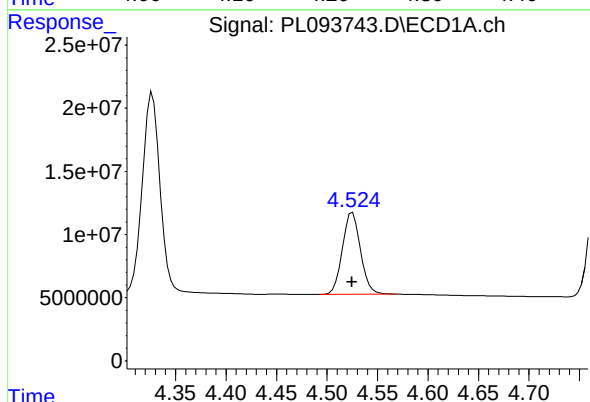
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 167145833
Conc: 51.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



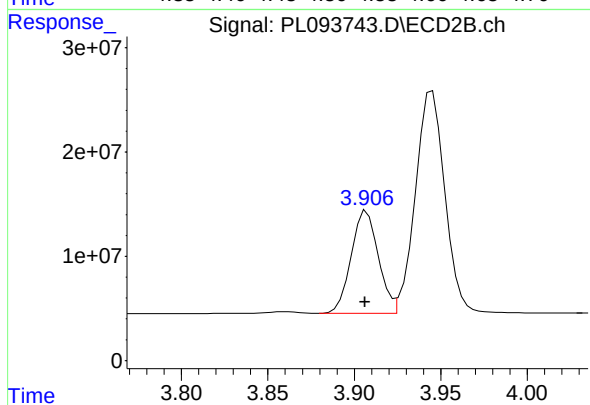
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: 0.001 min
Response: 250621610
Conc: 54.94 ng/ml



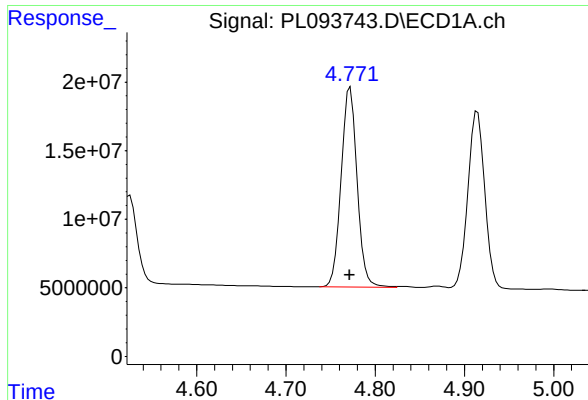
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 81194319
Conc: 50.52 ng/ml



#6 beta-BHC

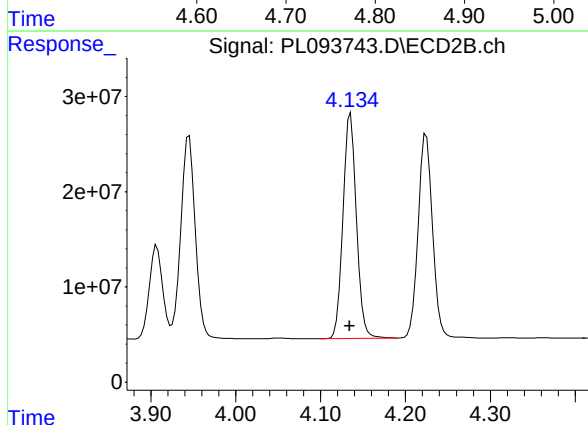
R.T.: 3.907 min
Delta R.T.: 0.001 min
Response: 107457324
Conc: 53.80 ng/ml



#7 delta-BHC

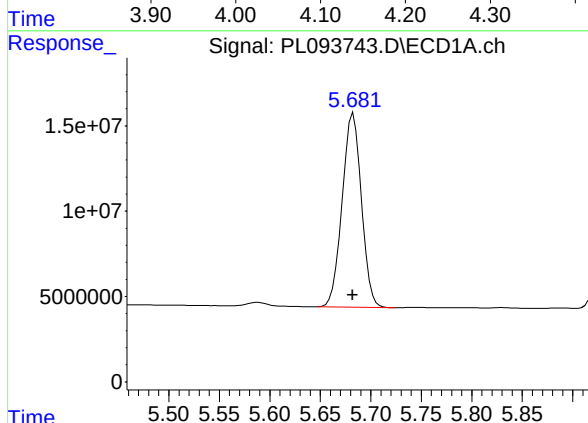
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 181463119
Conc: 51.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



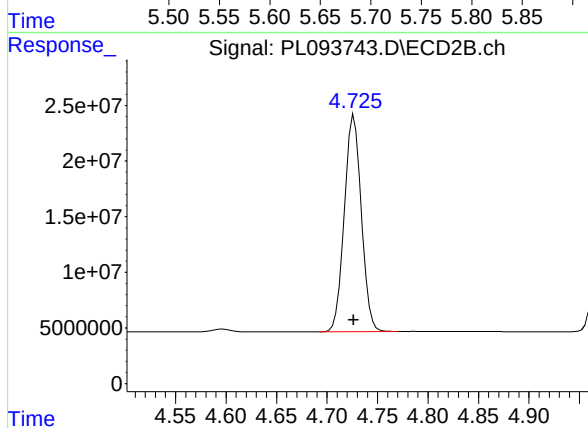
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 260806257
Conc: 54.89 ng/ml



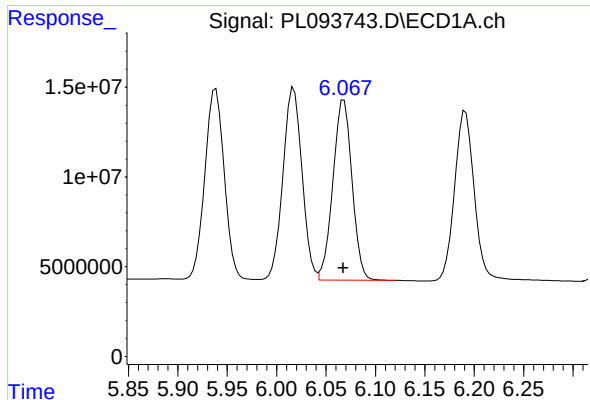
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 150865872
Conc: 50.73 ng/ml



#8 Heptachlor epoxide

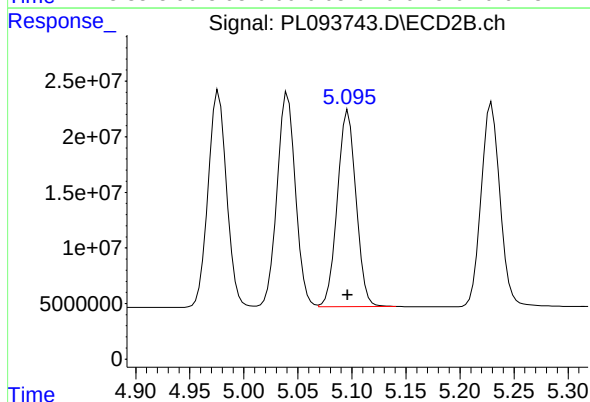
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 228406178
Conc: 54.64 ng/ml



#9 Endosulfan I

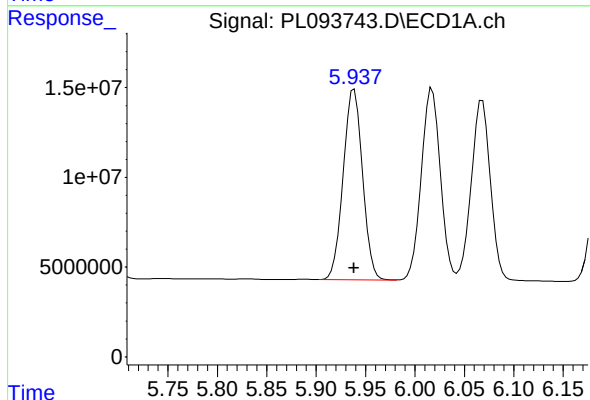
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 134808929
Conc: 51.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



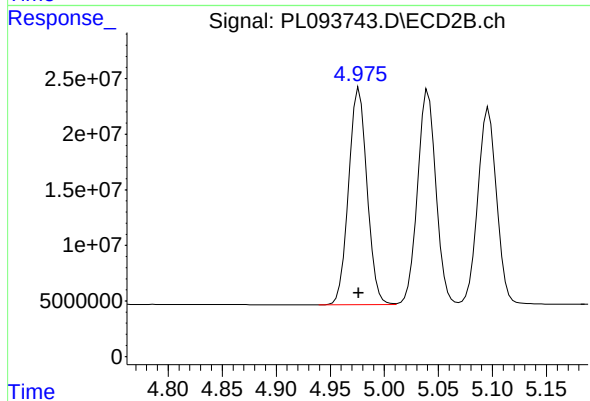
#9 Endosulfan I

R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 212043680
Conc: 54.69 ng/ml



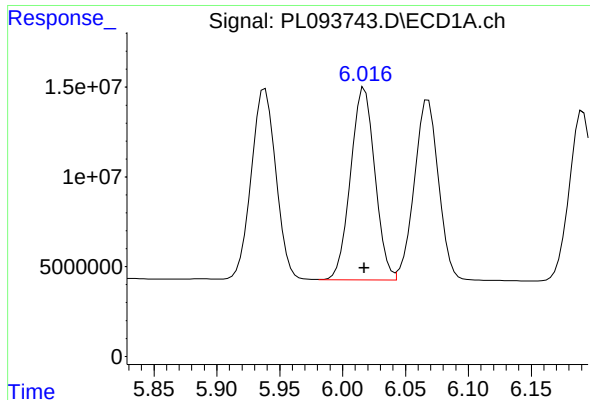
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 144611164
Conc: 51.88 ng/ml



#10 gamma-Chlordane

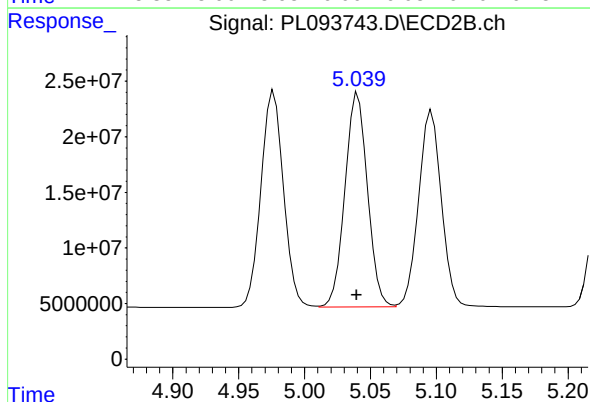
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 231285603
Conc: 54.58 ng/ml



#11 alpha-Chlordane

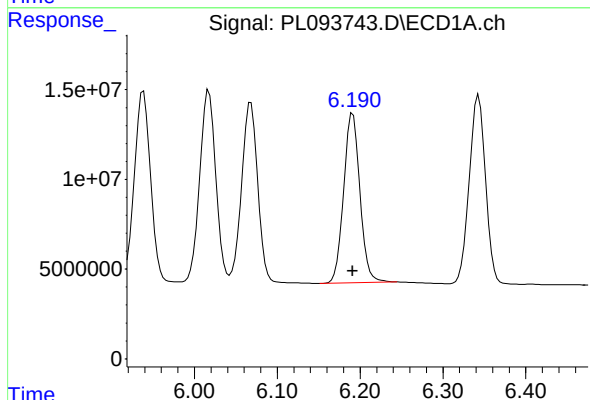
R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 143803294
Conc: 51.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



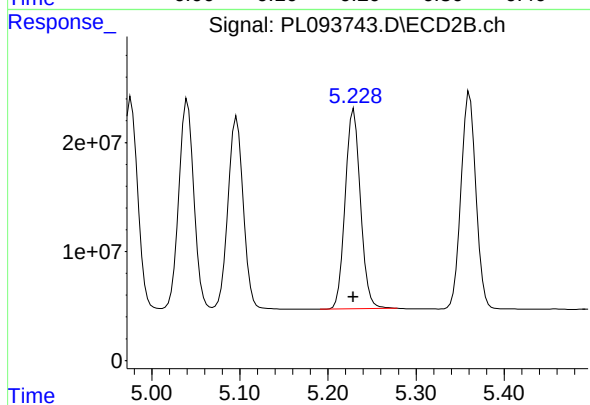
#11 alpha-Chlordane

R.T.: 5.041 min
Delta R.T.: 0.001 min
Response: 228422304
Conc: 54.56 ng/ml



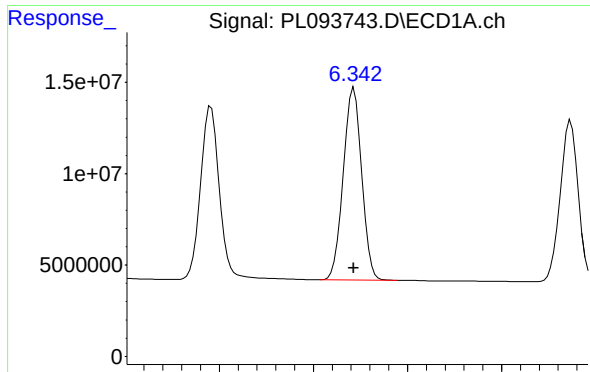
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 129128935
Conc: 53.04 ng/ml



#12 4,4'-DDE

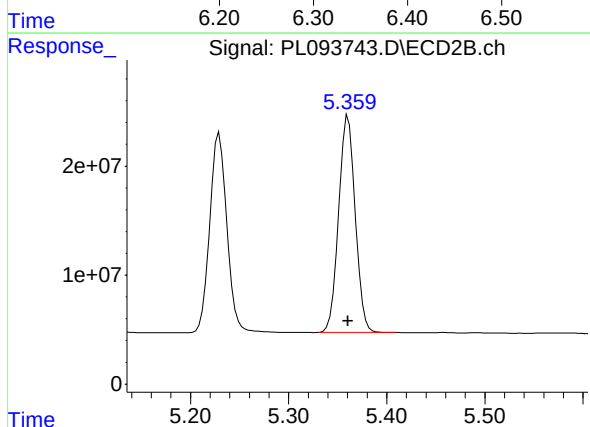
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 221359531
Conc: 55.21 ng/ml



#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 143369662
Conc: 51.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



#13 Dieldrin

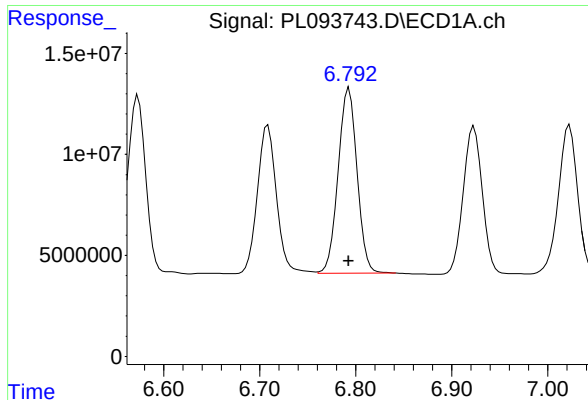
R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 234235081
Conc: 54.53 ng/ml

#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 118416700
Conc: 50.50 ng/ml

#14 Endrin

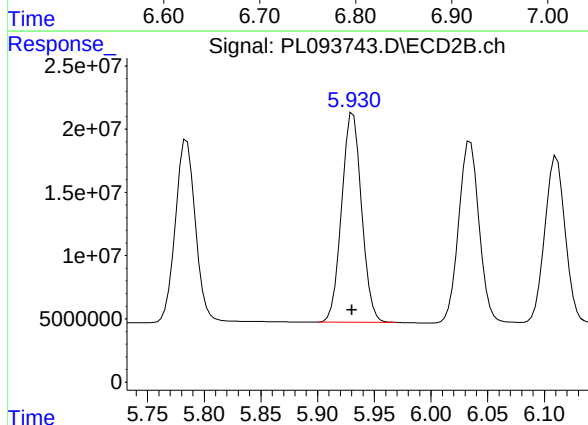
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 194001333
Conc: 52.54 ng/ml



#15 Endosulfan II

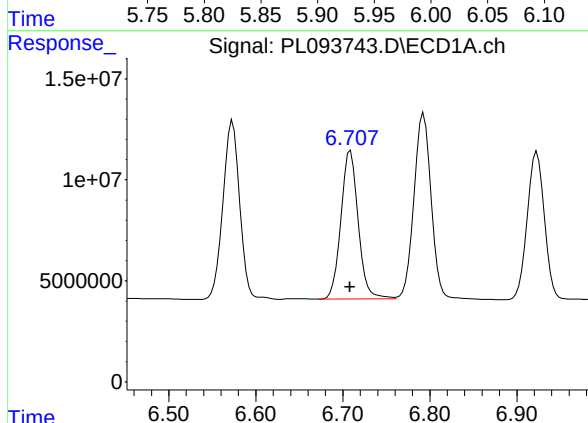
R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 124234027
Conc: 51.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



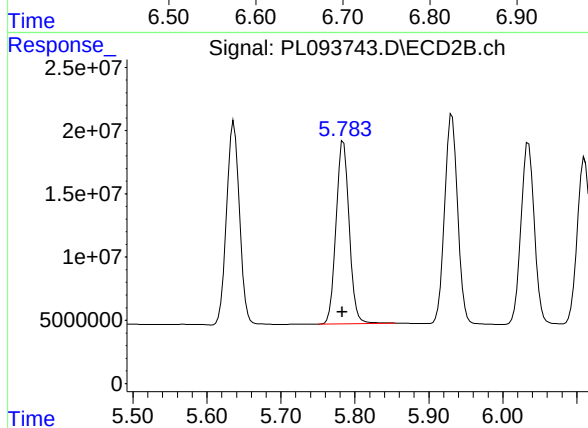
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.001 min
Response: 202005610
Conc: 54.54 ng/ml



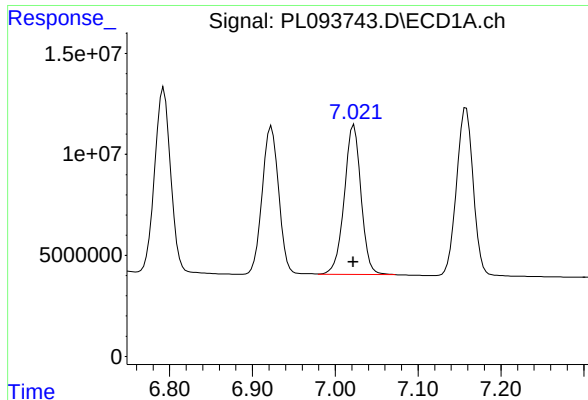
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 101868364
Conc: 53.60 ng/ml



#16 4,4'-DDD

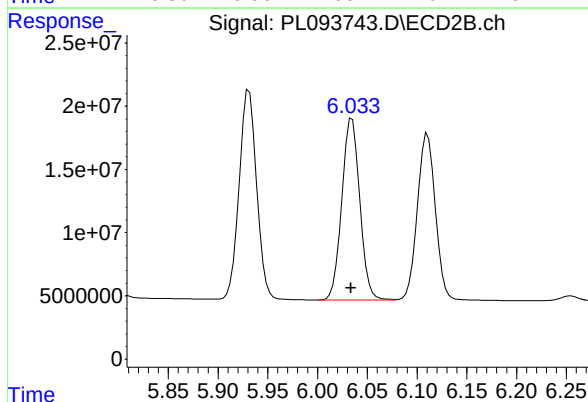
R.T.: 5.785 min
Delta R.T.: 0.001 min
Response: 178390286
Conc: 56.51 ng/ml



#17 4,4'-DDT

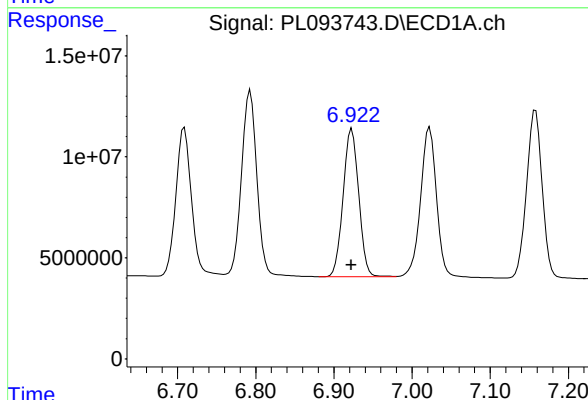
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 104247092
Conc: 52.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



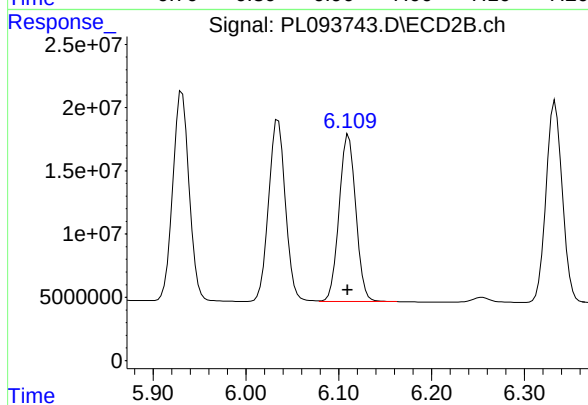
#17 4,4'-DDT

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 181287401
Conc: 55.71 ng/ml



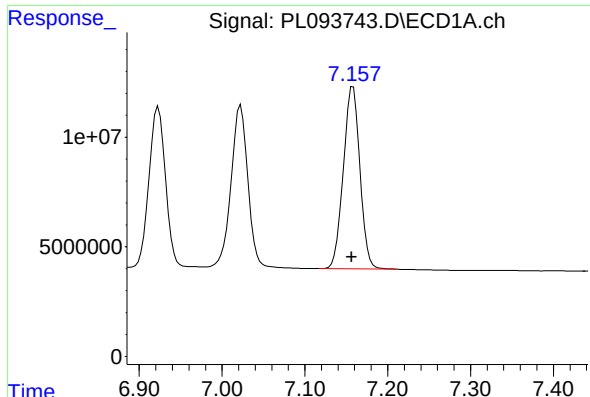
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 101761385
Conc: 52.34 ng/ml



#18 Endrin aldehyde

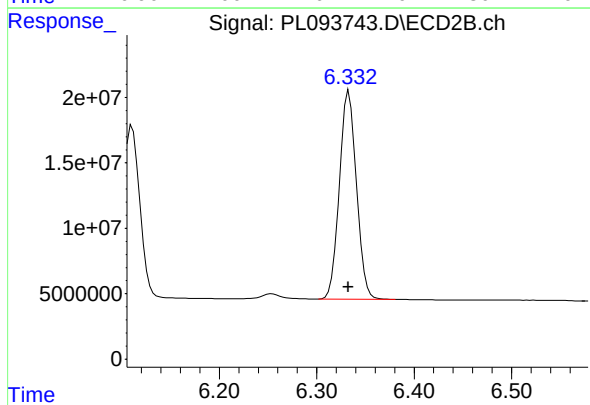
R.T.: 6.111 min
Delta R.T.: 0.001 min
Response: 165320369
Conc: 54.30 ng/ml



#19 Endosulfan Sulfate

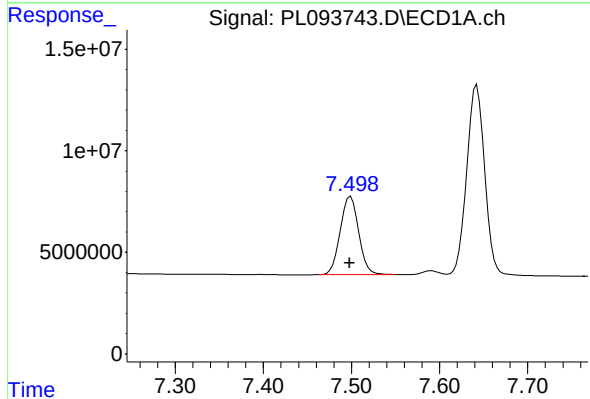
R.T.: 7.158 min
Delta R.T.: 0.002 min
Response: 115863257
Conc: 51.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



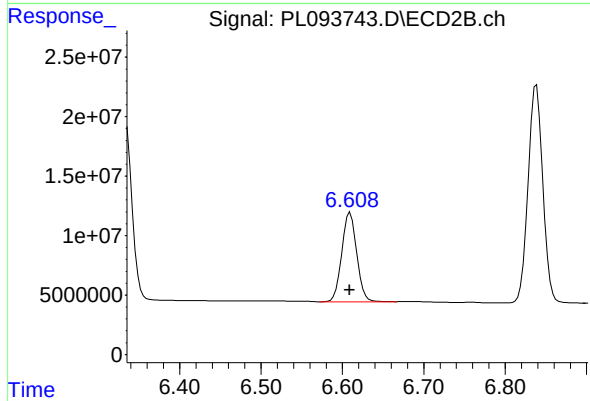
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 193788608
Conc: 54.34 ng/ml



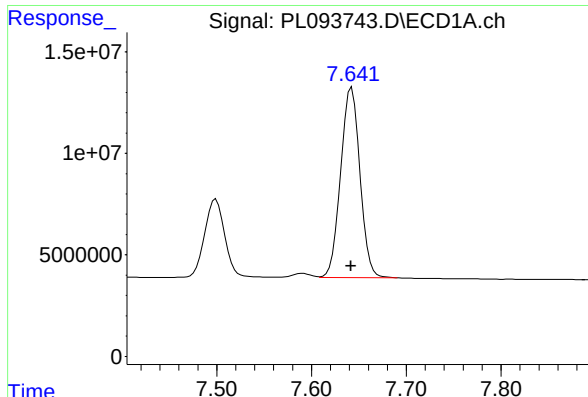
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 56233890
Conc: 53.90 ng/ml



#20 Methoxychlor

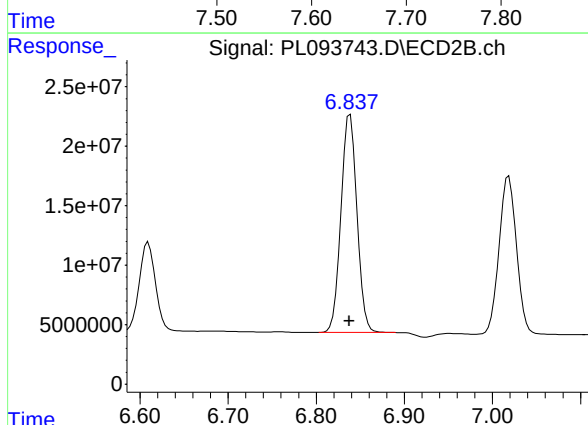
R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 95758805
Conc: 53.55 ng/ml



#21 Endrin ketone

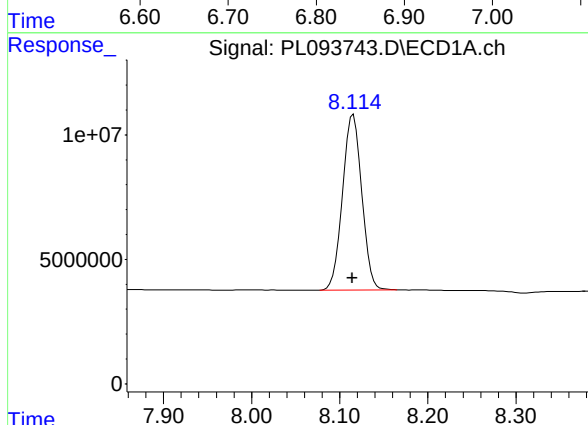
R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 132246340
Conc: 52.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



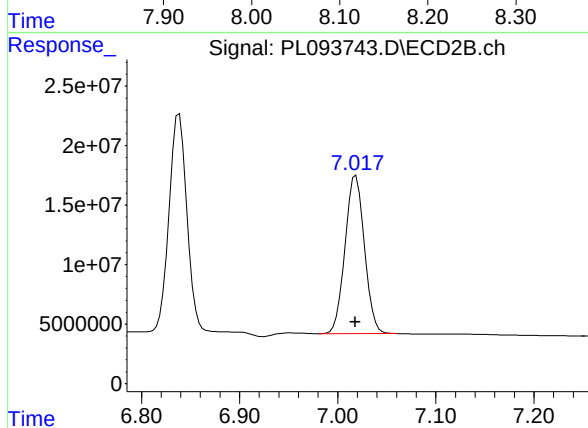
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 231241910
Conc: 55.12 ng/ml



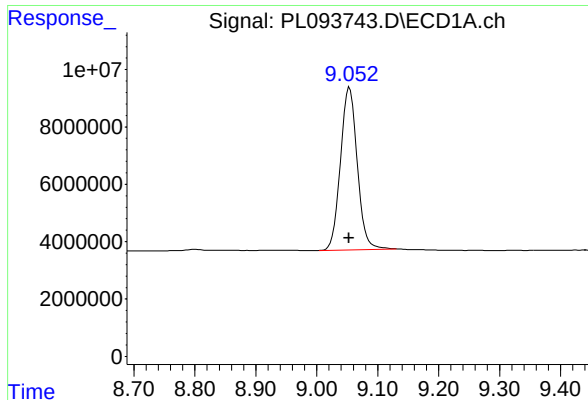
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 106911145
Conc: 51.34 ng/ml



#22 Mirex

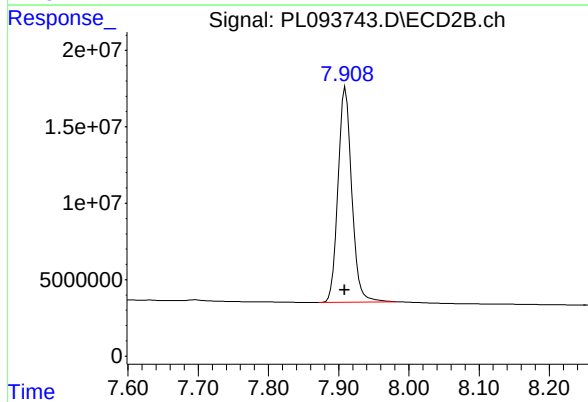
R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 182637497
Conc: 54.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.001 min
Response: 108726317
Conc: 51.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
ICVPL012125



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.001 min
Response: 190831116
Conc: 54.46 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.: Q1211 SAS No.: Q1211 SDG NO.: Q1211

Continuing Calib Date: 01/31/2025 Initial Calibration Date(s): 01/21/2025 01/21/2025

Continuing Calib Time: 11:17 Initial Calibration Time(s): 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	4.00	3.90	4.10	0.01
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.91	4.91	4.81	5.01	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
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	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	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.: Q1211 SAS No.: Q1211 SDG NO.: Q1211

 Continuing Calib Date: 01/31/2025 Initial Calibration Date(s): 01/21/2025 01/21/2025

 Continuing Calib Time: 11:17 Initial Calibration Time(s): 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	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	4.22	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	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.03	6.03	5.93	6.13	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



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.: Q1211 SAS No.: Q1211 SDG NO.: Q1211

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No.: CCAL01 Date Analyzed: 01/31/2025

Lab Sample No.: PSTDCCC050 Data File : PL093930.D Time Analyzed: 11:17

COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
4,4'-DDD	6.709	6.608	6.808	50.910	50.000	1.8
4,4'-DDE	6.192	6.091	6.291	50.300	50.000	0.6
4,4'-DDT	7.023	6.922	7.122	52.710	50.000	5.4
Aldrin	5.256	5.156	5.356	45.640	50.000	-8.7
alpha-BHC	3.993	3.895	4.095	47.930	50.000	-4.1
alpha-Chlordane	6.018	5.917	6.117	46.290	50.000	-7.4
beta-BHC	4.525	4.425	4.625	47.920	50.000	-4.2
Decachlorobiphenyl	9.055	8.953	9.153	45.000	50.000	-10.0
delta-BHC	4.772	4.672	4.872	44.790	50.000	-10.4
Dieldrin	6.344	6.243	6.443	45.550	50.000	-8.9
Endosulfan I	6.068	5.967	6.167	45.360	50.000	-9.3
Endosulfan II	6.793	6.692	6.892	45.890	50.000	-8.2
Endosulfan sulfate	7.158	7.057	7.257	44.420	50.000	-11.2
Endrin	6.572	6.472	6.672	46.850	50.000	-6.3
Endrin aldehyde	6.923	6.823	7.023	43.790	50.000	-12.4
Endrin ketone	7.644	7.542	7.742	44.060	50.000	-11.9
gamma-BHC (Lindane)	4.326	4.227	4.427	47.240	50.000	-5.5
gamma-Chlordane	5.939	5.838	6.038	46.300	50.000	-7.4
Heptachlor	4.914	4.814	5.014	49.110	50.000	-1.8
Heptachlor epoxide	5.683	5.582	5.782	44.870	50.000	-10.3
Methoxychlor	7.500	7.398	7.598	51.410	50.000	2.8
Mirex	8.116	8.015	8.215	41.600	50.000	-16.8
Tetrachloro-m-xylene	3.538	3.439	3.639	47.330	50.000	-5.3



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CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG NO.: Q1211

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No.: CCAL01 Date Analyzed: 01/31/2025

Lab Sample No.: PSTDCCC050 Data File : PL093930.D Time Analyzed: 11:17

COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
4,4'-DDD	5.784	5.684	5.884	51.360	50.000	2.7
4,4'-DDE	5.229	5.130	5.330	51.230	50.000	2.5
4,4'-DDT	6.034	5.934	6.134	53.970	50.000	7.9
Aldrin	4.224	4.125	4.325	46.010	50.000	-8.0
alpha-BHC	3.276	3.177	3.377	48.050	50.000	-3.9
alpha-Chlordane	5.040	4.940	5.140	47.780	50.000	-4.4
beta-BHC	3.906	3.807	4.007	47.900	50.000	-4.2
Decachlorobiphenyl	7.910	7.810	8.010	47.390	50.000	-5.2
delta-BHC	4.135	4.036	4.236	46.170	50.000	-7.7
Dieldrin	5.361	5.261	5.461	47.240	50.000	-5.5
Endosulfan I	5.096	4.996	5.196	44.020	50.000	-12.0
Endosulfan II	5.931	5.831	6.031	47.980	50.000	-4.0
Endosulfan sulfate	6.333	6.233	6.433	47.140	50.000	-5.7
Endrin	5.636	5.536	5.736	51.340	50.000	2.7
Endrin aldehyde	6.110	6.010	6.210	44.640	50.000	-10.7
Endrin ketone	6.839	6.739	6.939	45.680	50.000	-8.6
gamma-BHC (Lindane)	3.606	3.507	3.707	45.940	50.000	-8.1
gamma-Chlordane	4.977	4.877	5.077	48.730	50.000	-2.5
Heptachlor	3.945	3.845	4.045	48.380	50.000	-3.2
Heptachlor epoxide	4.727	4.627	4.827	46.190	50.000	-7.6
Methoxychlor	6.610	6.509	6.709	52.540	50.000	5.1
Mirex	7.019	6.918	7.118	43.070	50.000	-13.9
Tetrachloro-m-xylene	2.774	2.674	2.874	47.580	50.000	-4.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
 Data File : PL093930.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Jan 2025 11:17
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 01 00:23:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.774	127.4E6	155.3E6	47.327	47.575
28) SA Decachlor...	9.055	7.910	94144637	166.0E6	45.004	47.385
Target Compounds						
2) A alpha-BHC	3.993	3.276	183.7E6	234.9E6	47.926	48.046
3) MA gamma-BHC...	4.326	3.606	174.0E6	217.8E6	47.236	45.944
4) MA Heptachlor	4.914	3.945	160.9E6	225.2E6	49.109	48.385
5) MB Aldrin	5.256	4.224	149.3E6	209.9E6	45.636	46.013
6) B beta-BHC	4.525	3.906	77014994	95671218	47.915	47.897
7) B delta-BHC	4.772	4.135	157.0E6	219.4E6	44.786	46.173
8) B Heptachlo...	5.683	4.727	133.4E6	193.1E6	44.870	46.194
9) A Endosulfan I	6.068	5.096	119.9E6	170.7E6	45.357	44.018
10) B gamma-Chl...	5.939	4.977	129.1E6	206.5E6	46.299	48.732
11) B alpha-Chl...	6.018	5.040	129.1E6	200.0E6	46.293	47.776
12) B 4,4'-DDE	6.192	5.229	122.5E6	205.4E6	50.304	51.231
13) MA Dieldrin	6.344	5.361	126.4E6	202.9E6	45.545	47.243
14) MA Endrin	6.572	5.636	109.9E6	189.6E6	46.848m	51.340
15) B Endosulfa...	6.793	5.931	110.6E6	177.7E6	45.886	47.978
16) A 4,4'-DDD	6.709	5.784	96757725	162.1E6	50.910	51.357
17) MA 4,4'-DDT	7.023	6.034	103.9E6	175.6E6	52.706	53.968
18) B Endrin al...	6.923	6.110	85137438	135.9E6	43.794	44.644
19) B Endosulfa...	7.158	6.333	100.5E6	168.1E6	44.416	47.138
20) A Methoxychlor	7.500	6.610	53646135	93951668	51.415	52.542
21) B Endrin ke...	7.644	6.839	111.1E6	191.6E6	44.056	45.678
22) Mirex	8.116	7.019	86631474	145.6E6	41.600	43.065

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093930.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 11:17
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

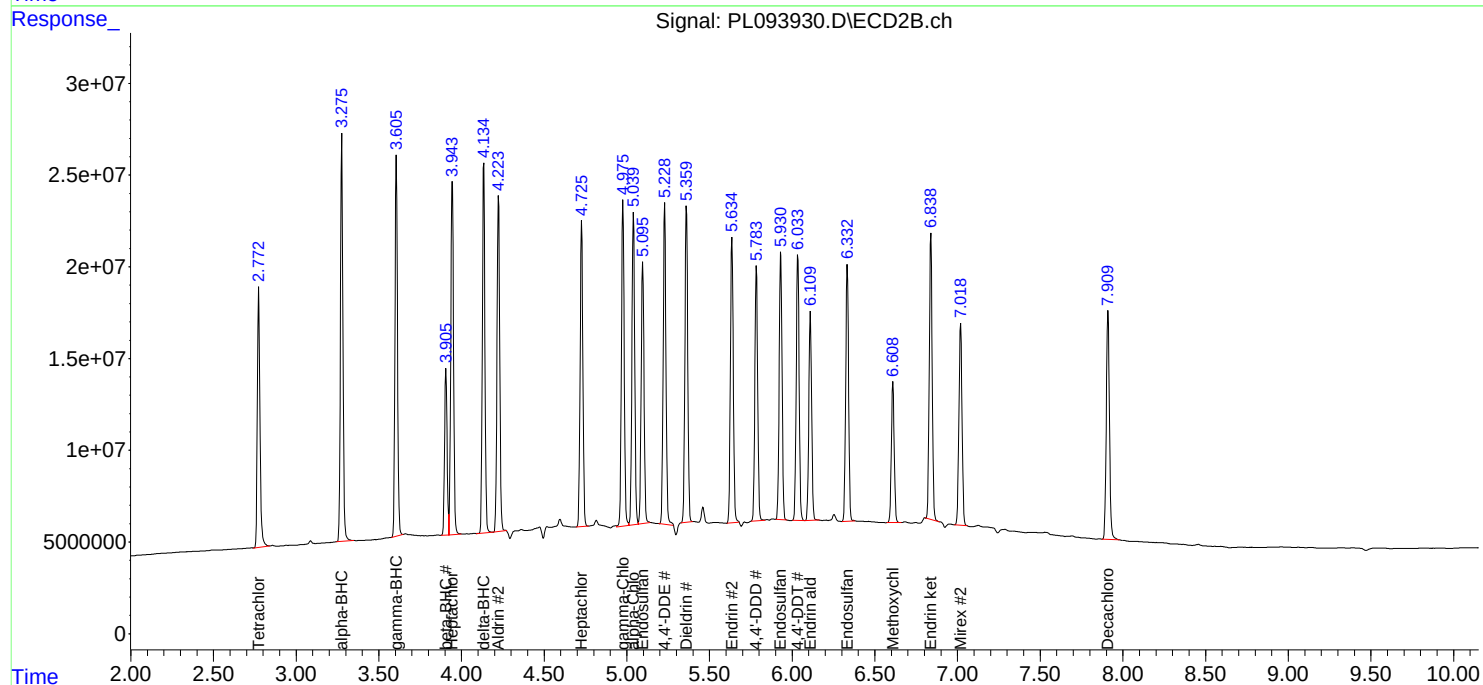
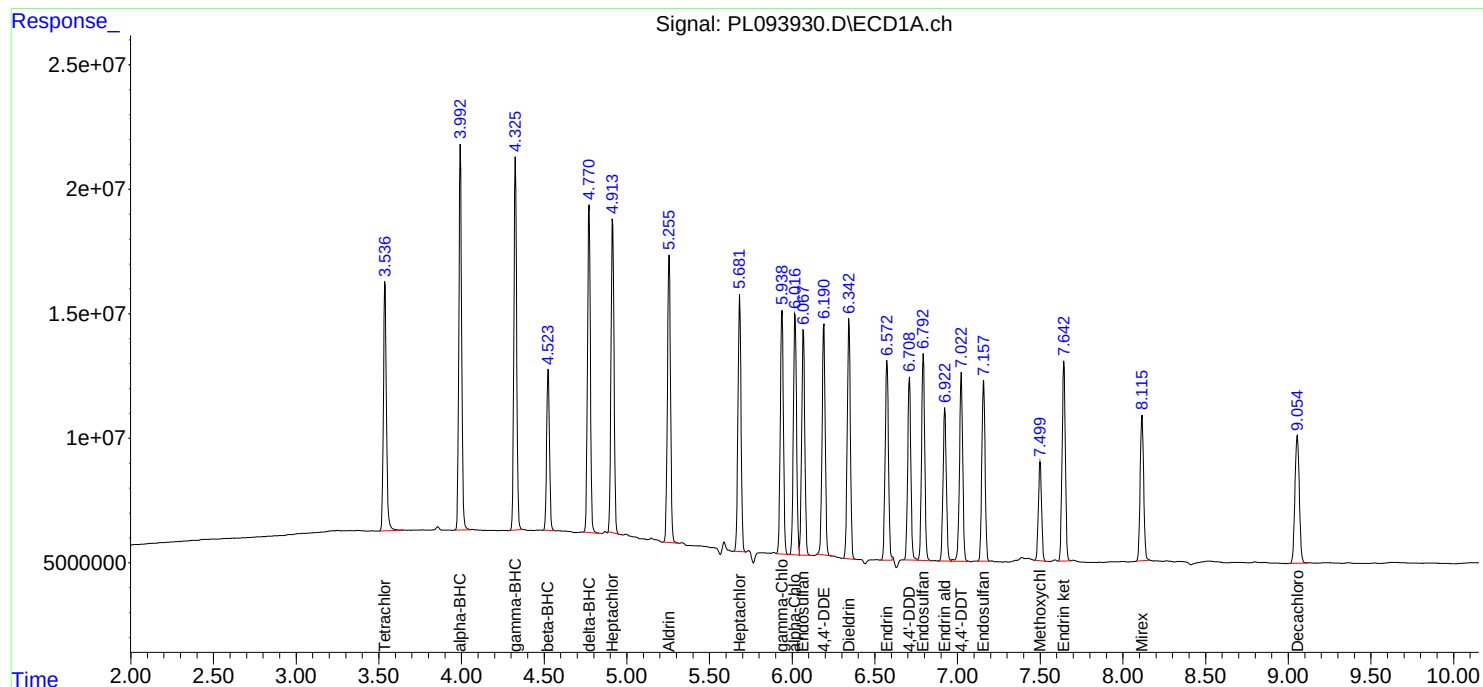
APPROVED

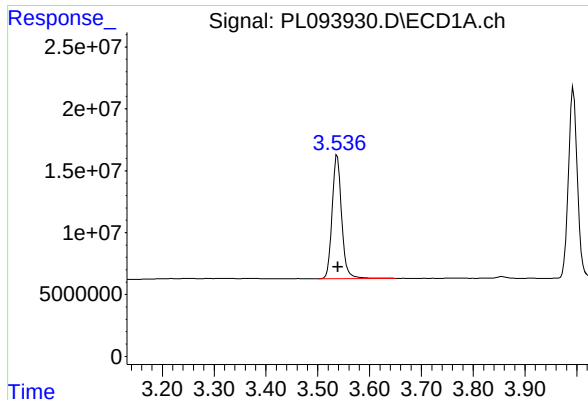
Reviewed By :Abdul Mirza 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 00:23:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: -0.001 min
Response: 127440428
Conc: 47.33 ng/ml

Instrument :

ECD_L

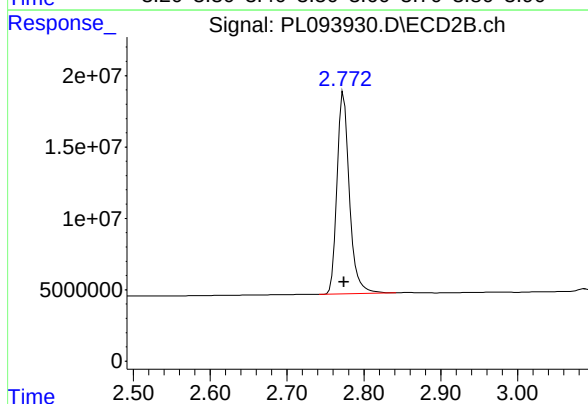
ClientSampleId :

PSTDCCC050

Manual Integrations

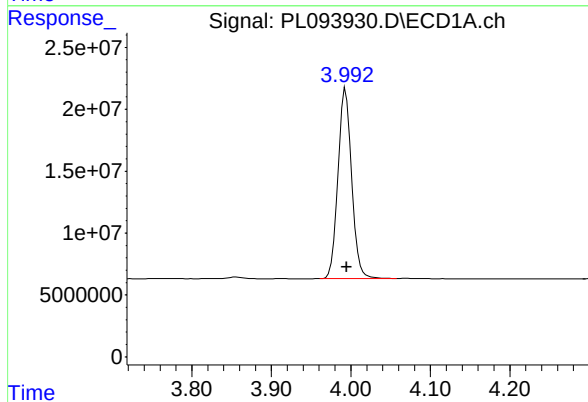
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



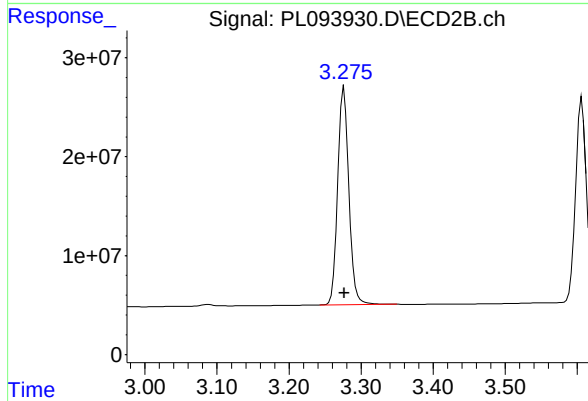
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 155293788
Conc: 47.58 ng/ml



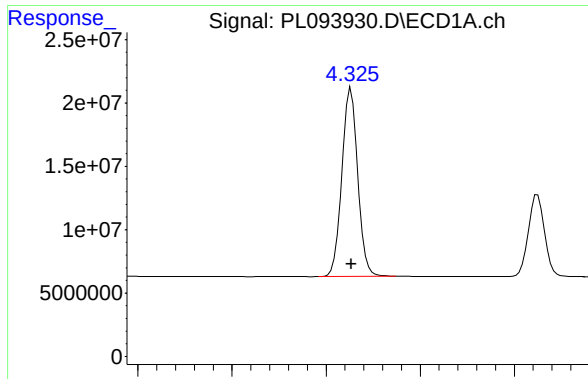
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 183740365
Conc: 47.93 ng/ml



#2 alpha-BHC

R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 234896985
Conc: 48.05 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 173961937
Conc: 47.24 ng/ml

Instrument :

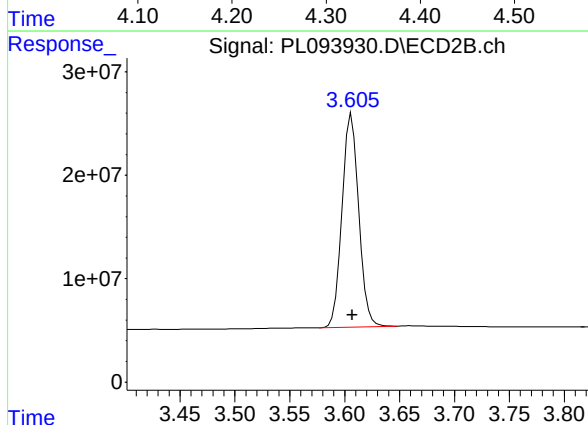
ECD_L

ClientSampleId :

PSTDCCC050

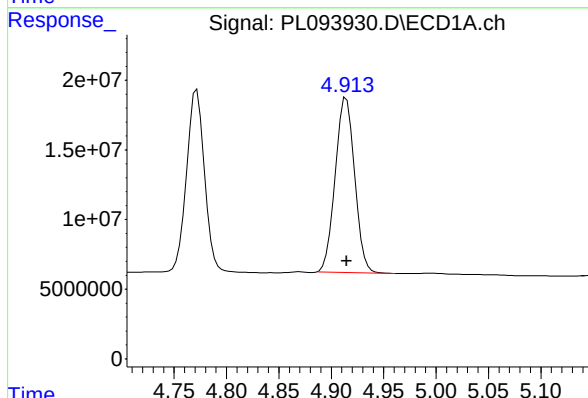
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



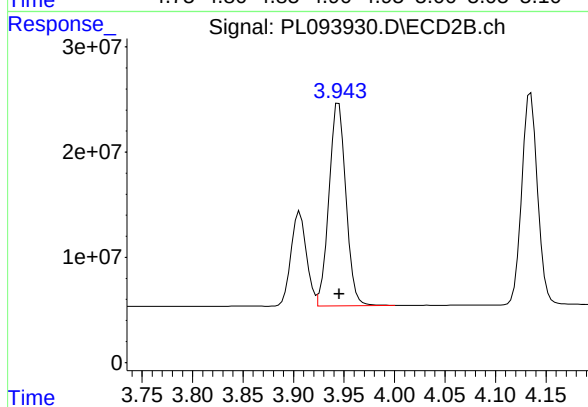
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: 0.000 min
Response: 217830151
Conc: 45.94 ng/ml



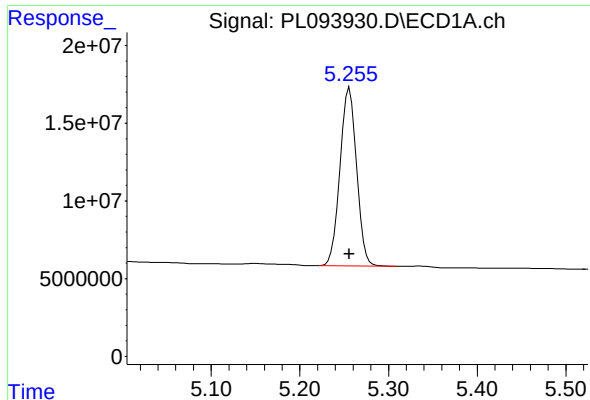
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 160948171
Conc: 49.11 ng/ml



#4 Heptachlor

R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 225221625
Conc: 48.38 ng/ml



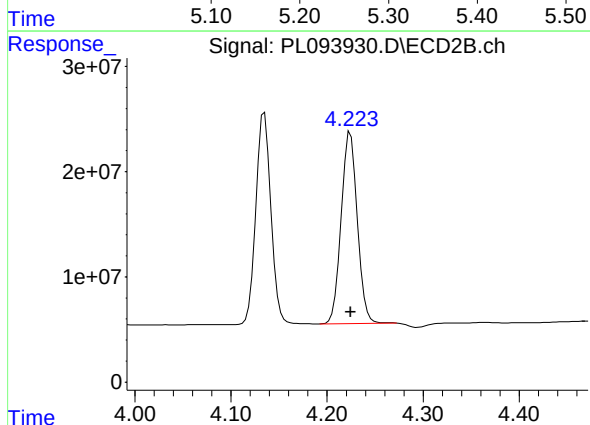
#5 Aldrin

R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 149319432
Conc: 45.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

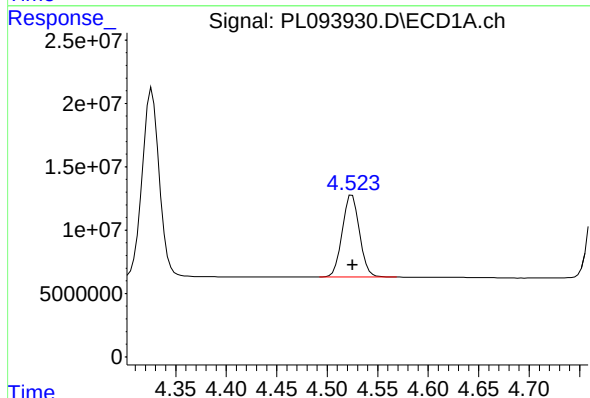
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



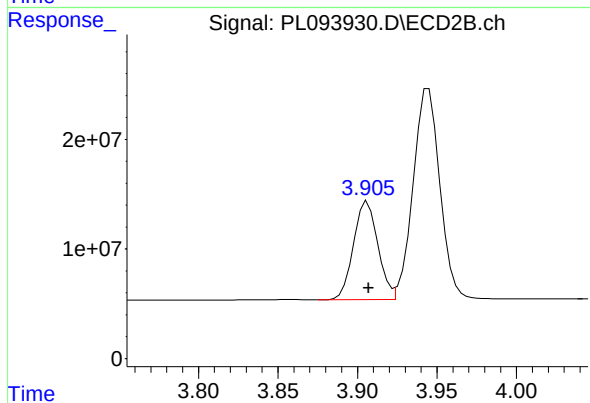
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 209902281
Conc: 46.01 ng/ml



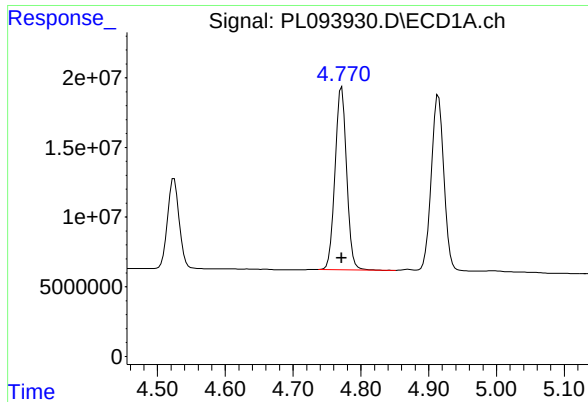
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 77014994
Conc: 47.92 ng/ml



#6 beta-BHC

R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 95671218
Conc: 47.90 ng/ml



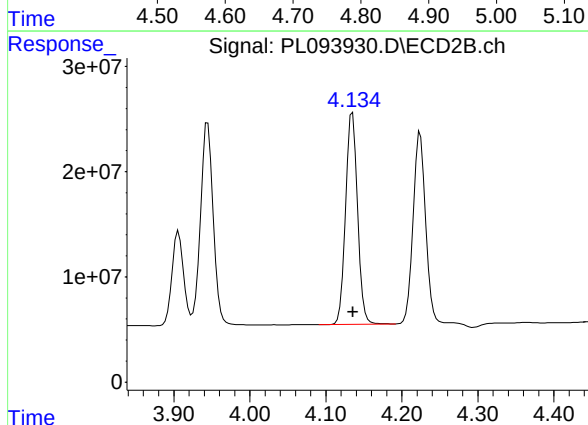
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 156988220
Conc: 44.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

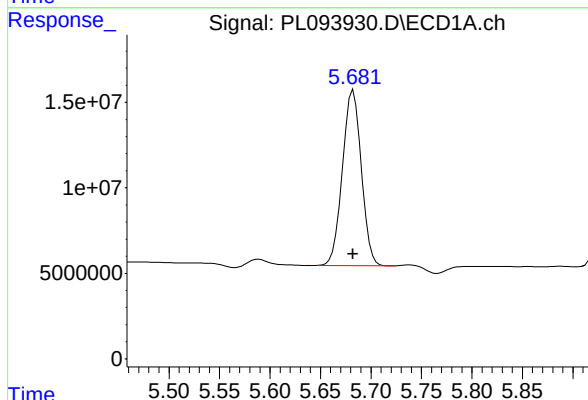
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



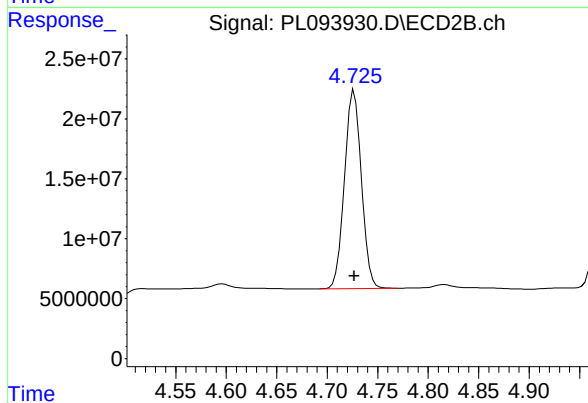
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 219380269
Conc: 46.17 ng/ml



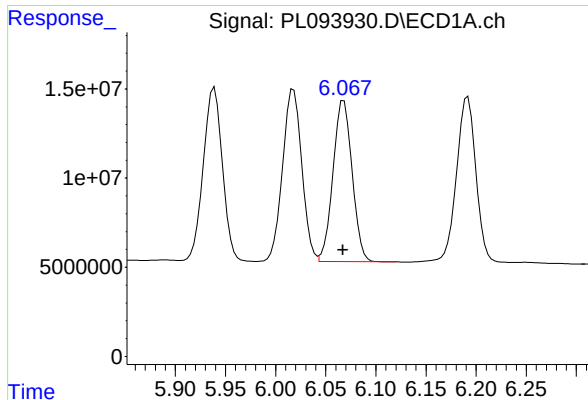
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 133436773
Conc: 44.87 ng/ml



#8 Heptachlor epoxide

R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 193104475
Conc: 46.19 ng/ml



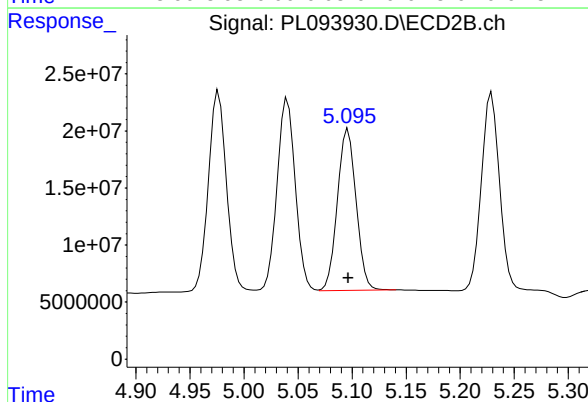
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 119873285
Conc: 45.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

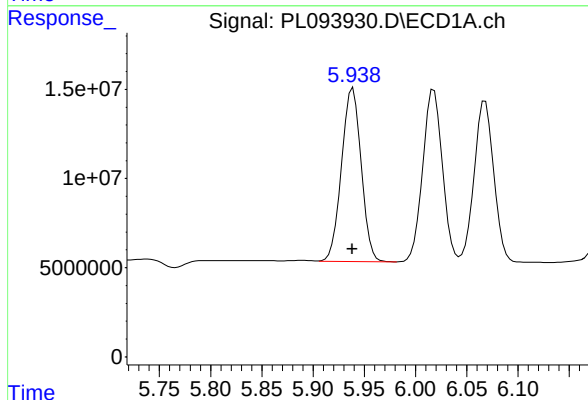
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



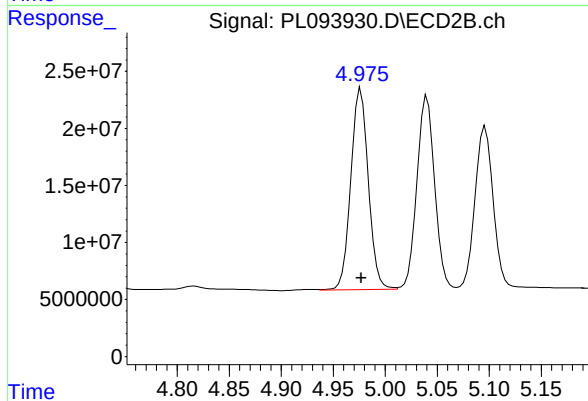
#9 Endosulfan I

R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 170652524
Conc: 44.02 ng/ml



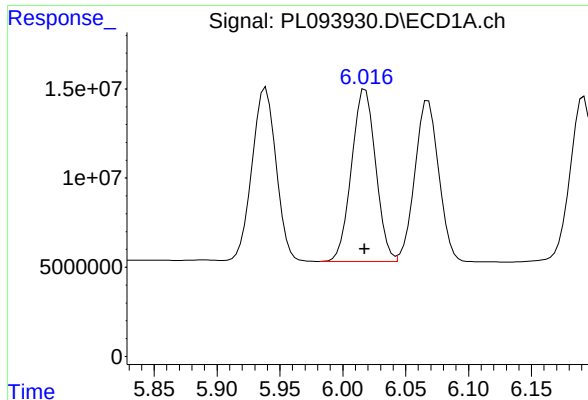
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 129053291
Conc: 46.30 ng/ml



#10 gamma-Chlordane

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 206509157
Conc: 48.73 ng/ml



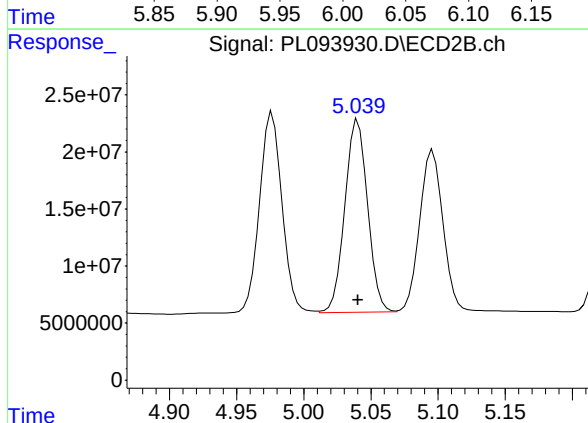
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 129083034
Conc: 46.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

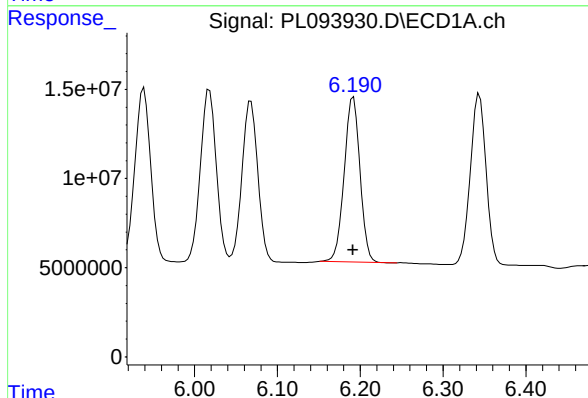
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



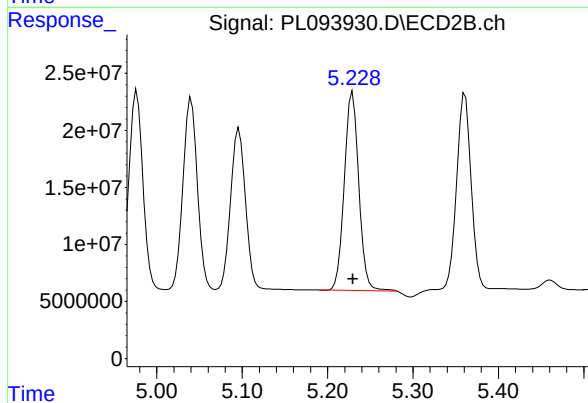
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 200018297
Conc: 47.78 ng/ml



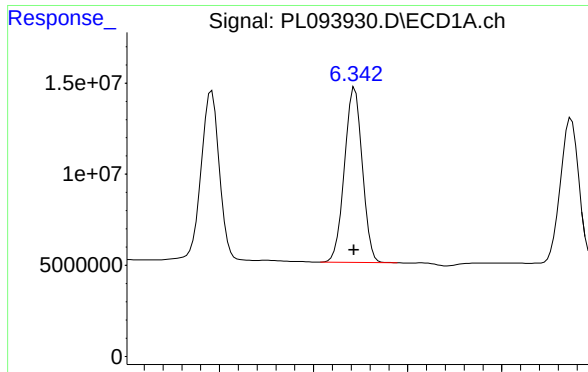
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 122470412
Conc: 50.30 ng/ml



#12 4,4'-DDE

R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 205409127
Conc: 51.23 ng/ml



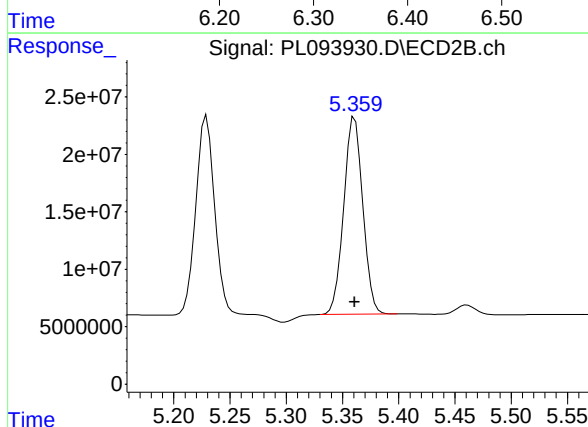
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 126427219
Conc: 45.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

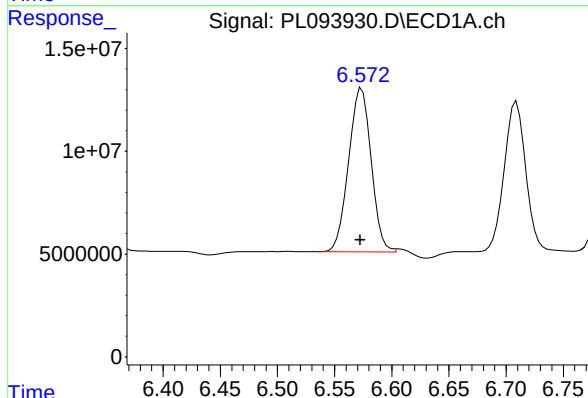
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



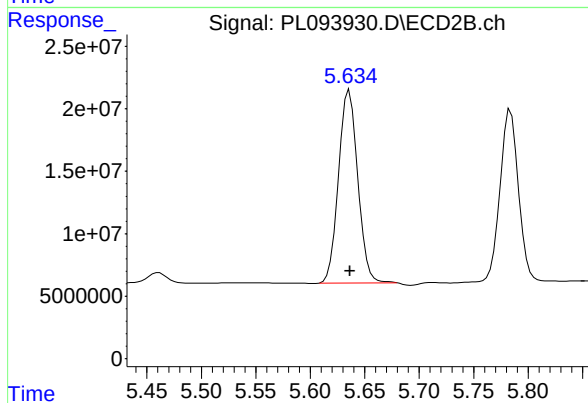
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 202939963
Conc: 47.24 ng/ml



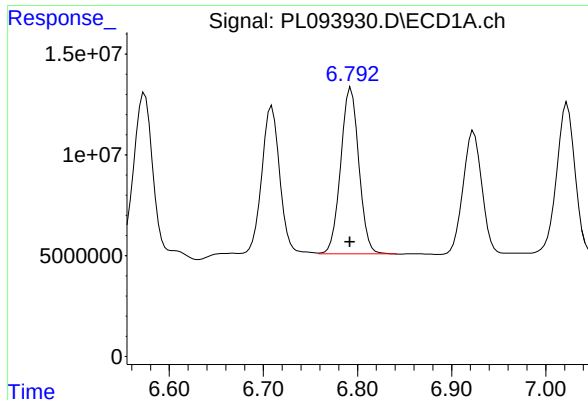
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 109850042
Conc: 46.85 ng/ml m



#14 Endrin

R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 189582652
Conc: 51.34 ng/ml



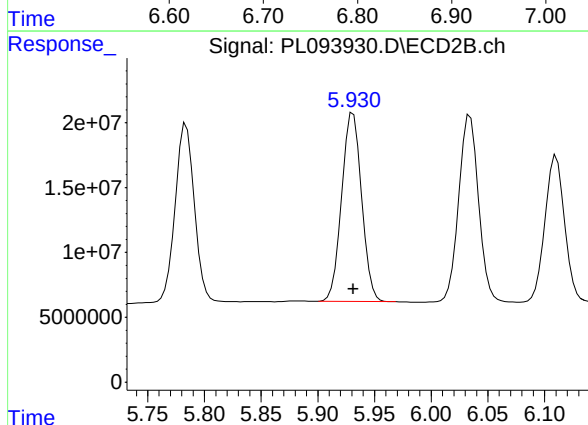
#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.001 min
Response: 110556362
Conc: 45.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

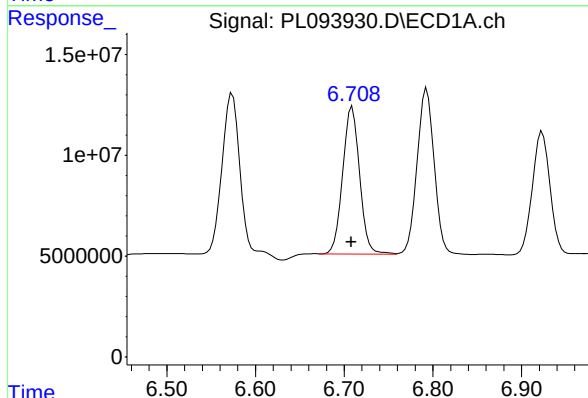
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



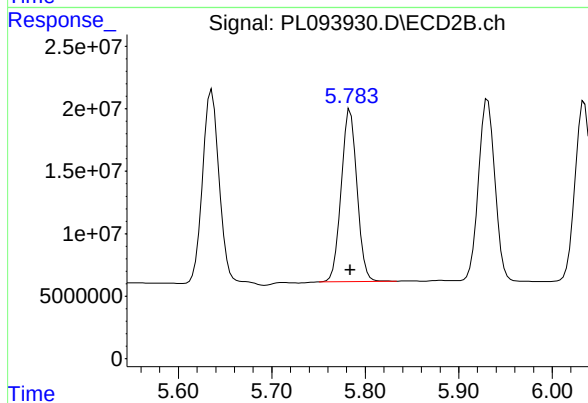
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 177701011
Conc: 47.98 ng/ml



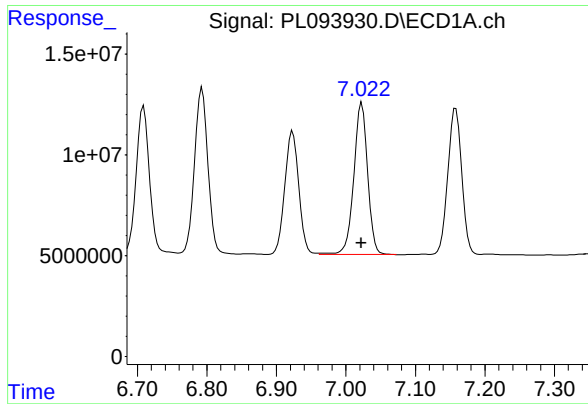
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 96757725
Conc: 50.91 ng/ml



#16 4,4'-DDD

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 162110968
Conc: 51.36 ng/ml



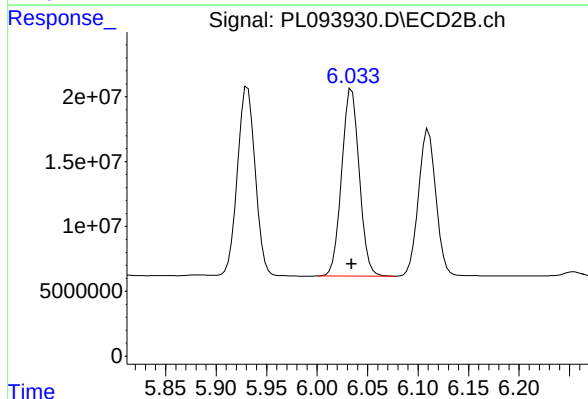
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 103939183
Conc: 52.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

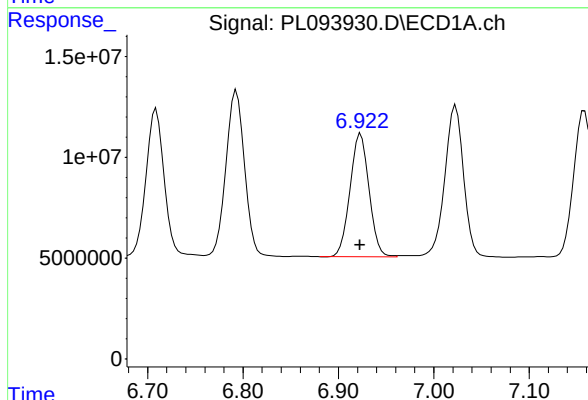
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



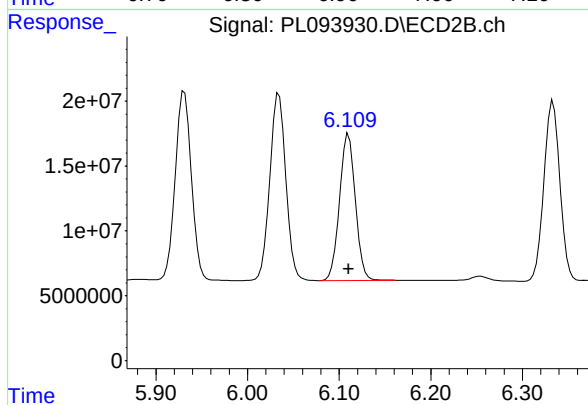
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 175614385
Conc: 53.97 ng/ml



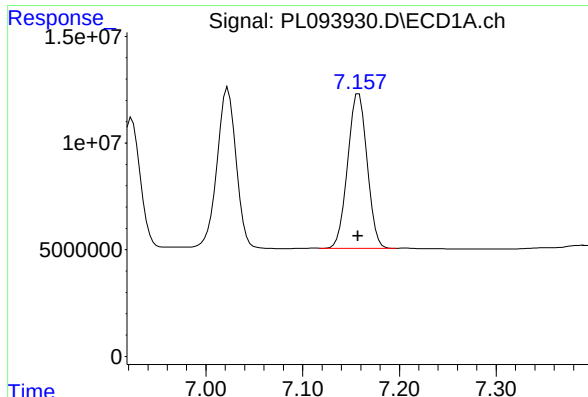
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 85137438
Conc: 43.79 ng/ml



#18 Endrin aldehyde

R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 135925969
Conc: 44.64 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 100546133
Conc: 44.42 ng/ml

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

#19 Endosulfan Sulfate

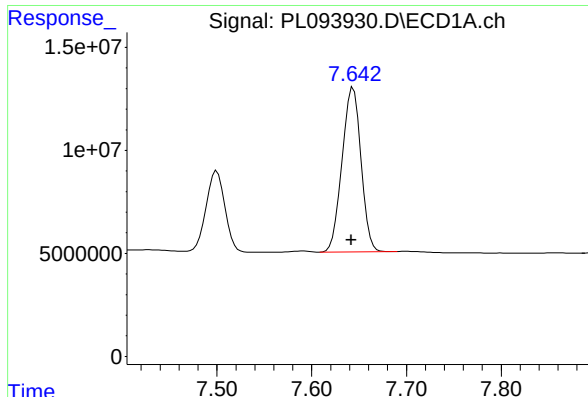
R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 168097604
Conc: 47.14 ng/ml

#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.002 min
Response: 53646135
Conc: 51.41 ng/ml

#20 Methoxychlor

R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 93951668
Conc: 52.54 ng/ml



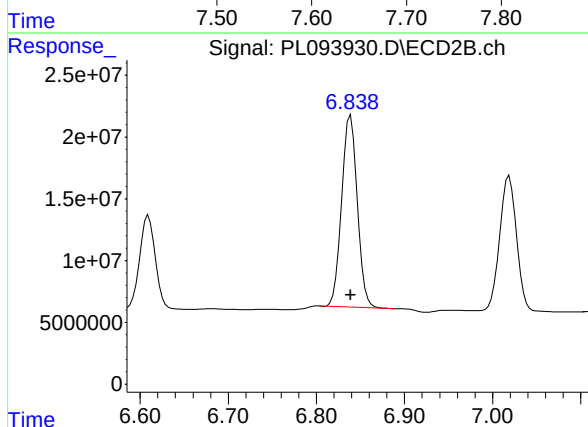
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.002 min
Response: 111136103
Conc: 44.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

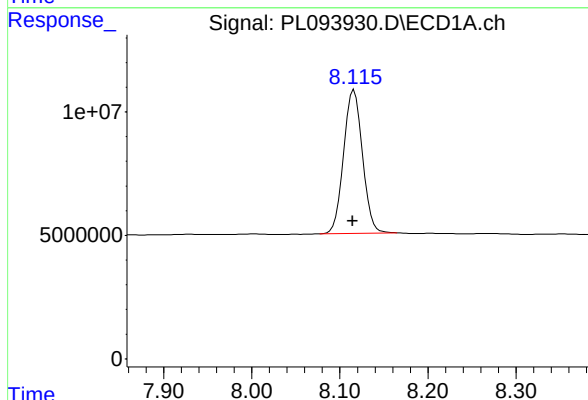
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



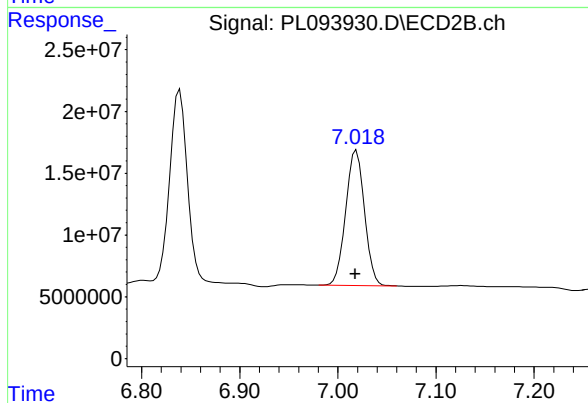
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 191629552
Conc: 45.68 ng/ml



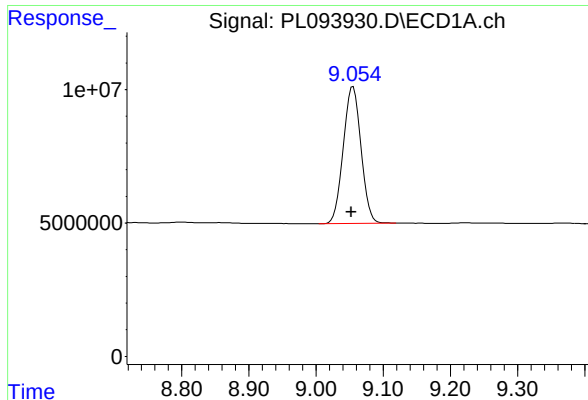
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.001 min
Response: 86631474
Conc: 41.60 ng/ml



#22 Mirex

R.T.: 7.019 min
Delta R.T.: 0.001 min
Response: 145642498
Conc: 43.07 ng/ml



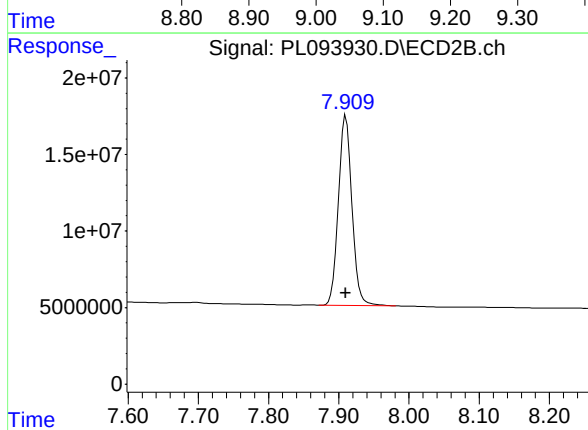
#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.002 min
Response: 94144637
Conc: 45.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 166040514
Conc: 47.39 ng/ml

CALIBRATION VERIFICATION SUMMARY

 Contract: WEST04

 Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG NO.: Q1211

 Continuing Calib Date: 01/31/2025 Initial Calibration Date(s): 01/21/2025 01/21/2025

 Continuing Calib Time: 15:10 Initial Calibration Time(s): 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	4.00	3.90	4.10	0.01
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.91	4.91	4.81	5.01	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
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	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	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.: Q1211 SAS No.: Q1211 SDG NO.: Q1211

 Continuing Calib Date: 01/31/2025 Initial Calibration Date(s): 01/21/2025 01/21/2025

 Continuing Calib Time: 15:10 Initial Calibration Time(s): 10:57 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	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	3.94	3.95	3.85	4.05	0.01
Aldrin	4.22	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	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.03	6.03	5.93	6.13	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



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.: Q1211 SAS No.: Q1211 SDG NO.: Q1211

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No.: CCAL02 Date Analyzed: 01/31/2025

Lab Sample No.: PSTDCCC050 Data File : PL093943.D Time Analyzed: 15:10

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.710	6.608	6.808	54.880	50.000	9.8
4,4'-DDE	6.192	6.091	6.291	53.640	50.000	7.3
4,4'-DDT	7.023	6.922	7.122	53.570	50.000	7.1
Aldrin	5.256	5.156	5.356	48.820	50.000	-2.4
alpha-BHC	3.994	3.895	4.095	50.190	50.000	0.4
alpha-Chlordane	6.018	5.917	6.117	50.080	50.000	0.2
beta-BHC	4.525	4.425	4.625	49.660	50.000	-0.7
Decachlorobiphenyl	9.056	8.953	9.153	48.430	50.000	-3.1
delta-BHC	4.772	4.672	4.872	47.390	50.000	-5.2
Dieldrin	6.344	6.243	6.443	49.090	50.000	-1.8
Endosulfan I	6.069	5.967	6.167	49.170	50.000	-1.7
Endosulfan II	6.794	6.692	6.892	48.340	50.000	-3.3
Endosulfan sulfate	7.159	7.057	7.257	46.610	50.000	-6.8
Endrin	6.572	6.472	6.672	49.260	50.000	-1.5
Endrin aldehyde	6.924	6.823	7.023	46.580	50.000	-6.8
Endrin ketone	7.644	7.542	7.742	46.800	50.000	-6.4
gamma-BHC (Lindane)	4.326	4.227	4.427	49.360	50.000	-1.3
gamma-Chlordane	5.939	5.838	6.038	49.950	50.000	-0.1
Heptachlor	4.914	4.814	5.014	51.680	50.000	3.4
Heptachlor epoxide	5.683	5.582	5.782	47.960	50.000	-4.1
Methoxychlor	7.500	7.398	7.598	53.190	50.000	6.4
Mirex	8.117	8.015	8.215	44.980	50.000	-10.0
Tetrachloro-m-xylene	3.537	3.439	3.639	49.370	50.000	-1.3



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.: Q1211 SAS No.: Q1211 SDG NO.: Q1211

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No.: CCAL02 Date Analyzed: 01/31/2025

Lab Sample No.: PSTDCCC050 Data File : PL093943.D Time Analyzed: 15:10

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.784	5.684	5.884	53.890	50.000	7.8
4,4'-DDE	5.229	5.130	5.330	51.950	50.000	3.9
4,4'-DDT	6.034	5.934	6.134	53.920	50.000	7.8
Aldrin	4.224	4.125	4.325	47.070	50.000	-5.9
alpha-BHC	3.276	3.177	3.377	49.480	50.000	-1.0
alpha-Chlordane	5.040	4.940	5.140	49.320	50.000	-1.4
beta-BHC	3.906	3.807	4.007	48.590	50.000	-2.8
Decachlorobiphenyl	7.911	7.810	8.010	49.210	50.000	-1.6
delta-BHC	4.135	4.036	4.236	46.340	50.000	-7.3
Dieldrin	5.361	5.261	5.461	48.660	50.000	-2.7
Endosulfan I	5.096	4.996	5.196	45.000	50.000	-10.0
Endosulfan II	5.931	5.831	6.031	49.800	50.000	-0.4
Endosulfan sulfate	6.333	6.233	6.433	48.390	50.000	-3.2
Endrin	5.636	5.536	5.736	51.550	50.000	3.1
Endrin aldehyde	6.110	6.010	6.210	45.680	50.000	-8.6
Endrin ketone	6.839	6.739	6.939	48.250	50.000	-3.5
gamma-BHC (Lindane)	3.606	3.507	3.707	47.750	50.000	-4.5
gamma-Chlordane	4.976	4.877	5.077	50.160	50.000	0.3
Heptachlor	3.944	3.845	4.045	49.210	50.000	-1.6
Heptachlor epoxide	4.726	4.627	4.827	47.640	50.000	-4.7
Methoxychlor	6.609	6.509	6.709	52.440	50.000	4.9
Mirex	7.019	6.918	7.118	46.080	50.000	-7.8
Tetrachloro-m-xylene	2.773	2.674	2.874	48.600	50.000	-2.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
 Data File : PL093943.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Jan 2025 15:10
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 02/03/2025

Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 01 00:27:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.537	2.773	132.9E6	158.6E6	49.373	48.598
28) SA Decachlor...	9.056	7.911	101.3E6	172.5E6	48.428	49.215
Target Compounds						
2) A alpha-BHC	3.994	3.276	192.4E6	241.9E6	50.186	49.477
3) MA gamma-BHC...	4.326	3.606	181.8E6	226.4E6	49.362	47.751
4) MA Heptachlor	4.914	3.944	169.4E6	229.0E6	51.679	49.207
5) MB Aldrin	5.256	4.224	159.7E6	214.7E6	48.818	47.070
6) B beta-BHC	4.525	3.906	79824408	97064464	49.663	48.594
7) B delta-BHC	4.772	4.135	166.1E6	220.2E6	47.394	46.342
8) B Heptachlo...	5.683	4.726	142.6E6	199.2E6	47.965	47.644
9) A Endosulfan I	6.069	5.096	129.9E6	174.5E6	49.170	45.002
10) B gamma-Chl...	5.939	4.976	139.2E6	212.6E6	49.947	50.159
11) B alpha-Chl...	6.018	5.040	139.6E6	206.5E6	50.080	49.315
12) B 4,4'-DDE	6.192	5.229	130.6E6	208.3E6	53.645	51.946
13) MA Dieldrin	6.344	5.361	136.3E6	209.0E6	49.087	48.660
14) MA Endrin	6.572	5.636	115.5E6	190.4E6	49.261m	51.548
15) B Endosulfa...	6.794	5.931	116.5E6	184.5E6	48.343	49.801
16) A 4,4'-DDD	6.710	5.784	104.3E6	170.1E6	54.876	53.888
17) MA 4,4'-DDT	7.023	6.034	105.6E6	175.4E6	53.568	53.917
18) B Endrin al...	6.924	6.110	90562659	139.1E6	46.584	45.676
19) B Endosulfa...	7.159	6.333	105.5E6	172.6E6	46.606	48.393
20) A Methoxychlor	7.500	6.609	55495800	93773372	53.188	52.442
21) B Endrin ke...	7.644	6.839	118.1E6	202.4E6	46.801	48.249
22) Mirex	8.117	7.019	93662867	155.8E6	44.976	46.076

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093943.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 15:10
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

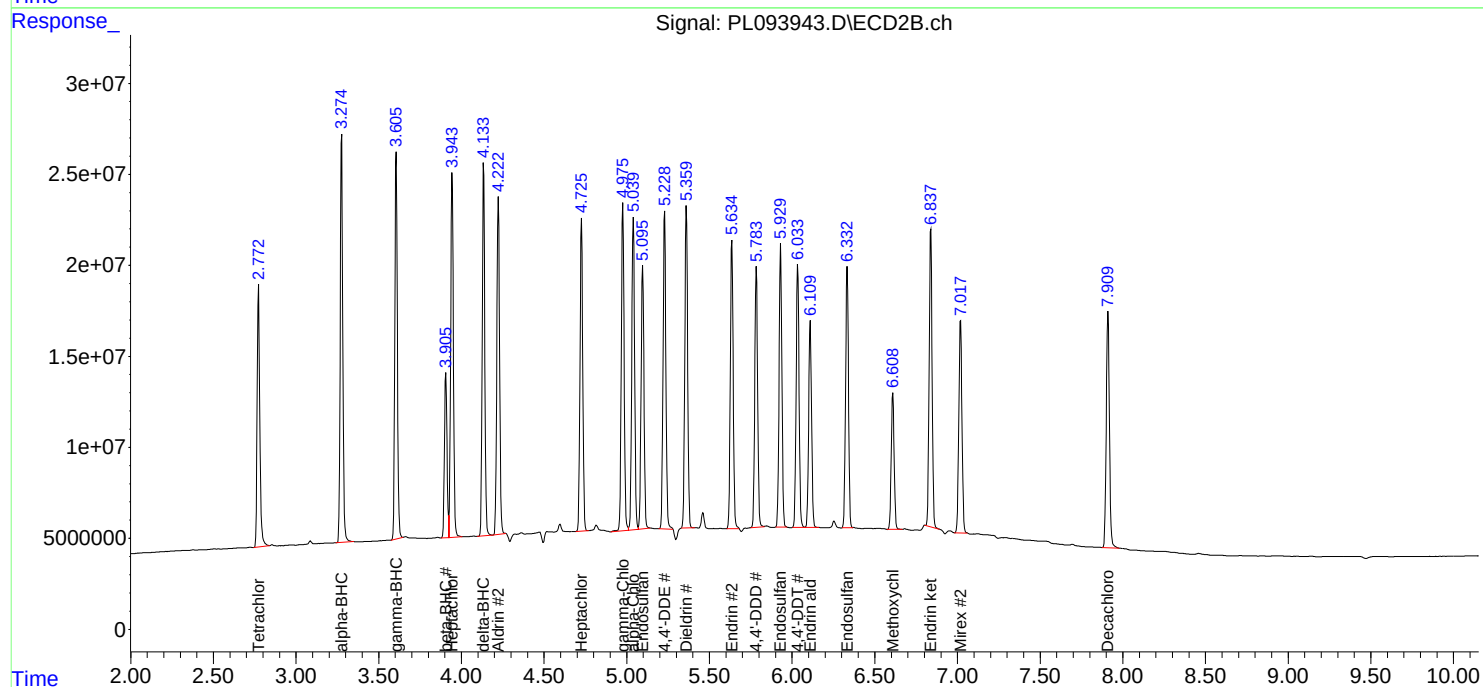
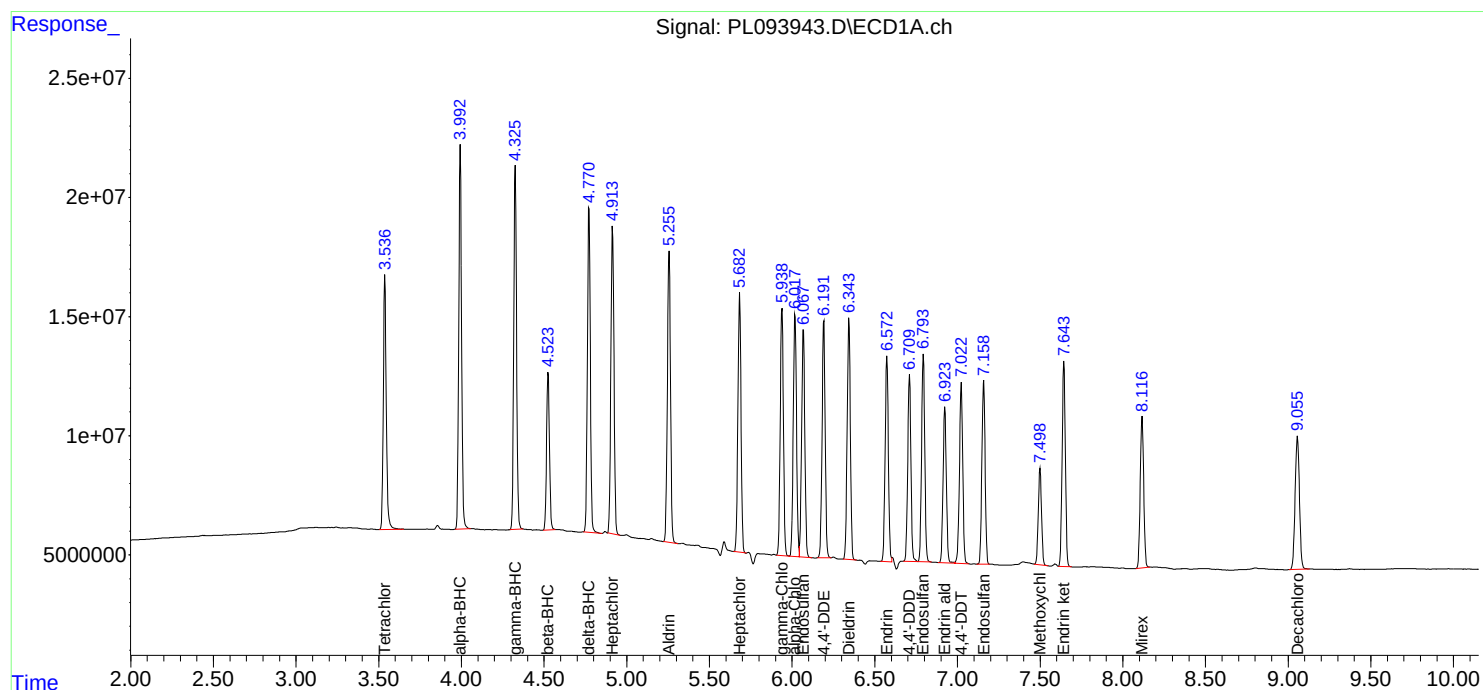
Manual Integrations

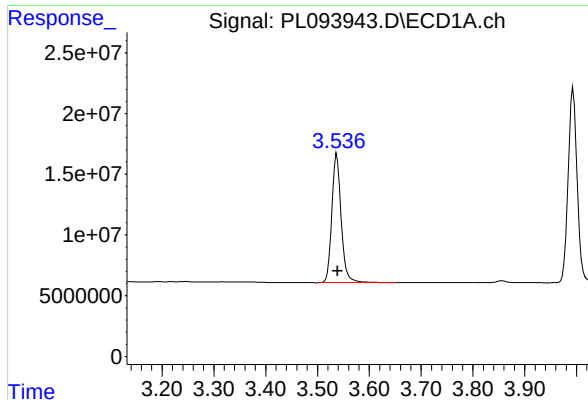
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 00:27:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 132948418
Conc: 49.37 ng/ml

Instrument :

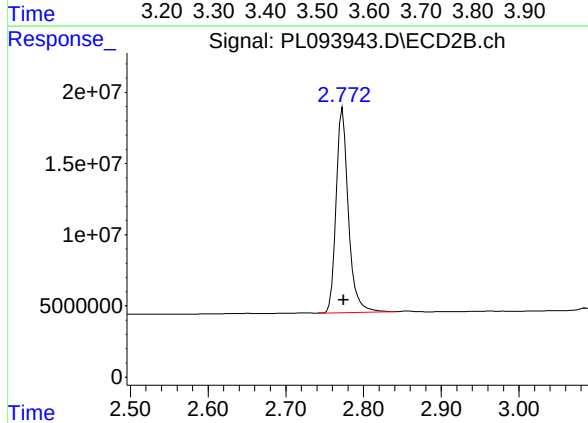
ECD_L

ClientSampleId :

PSTDCCC050

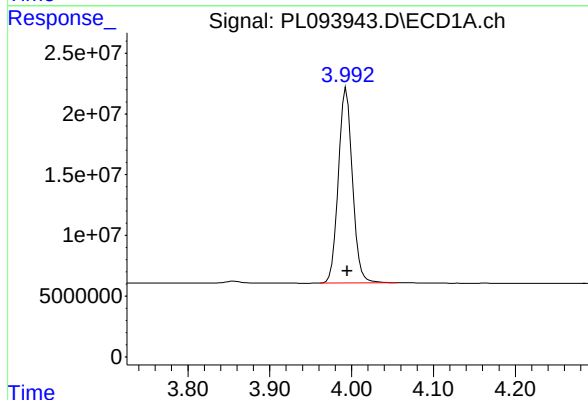
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



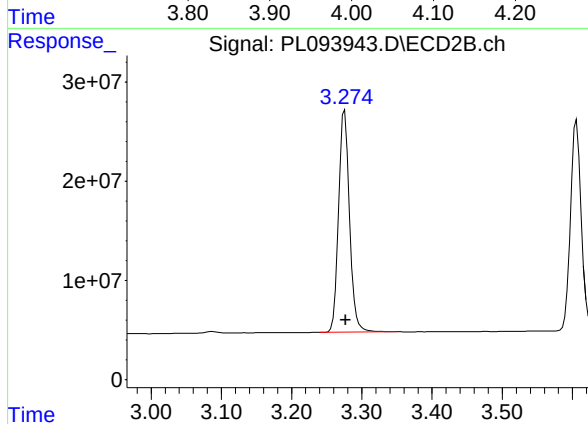
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: -0.001 min
Response: 158630081
Conc: 48.60 ng/ml



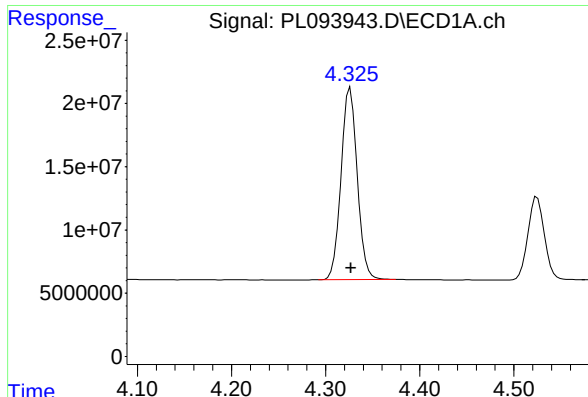
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: -0.001 min
Response: 192404145
Conc: 50.19 ng/ml



#2 alpha-BHC

R.T.: 3.276 min
Delta R.T.: -0.001 min
Response: 241892491
Conc: 49.48 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 181790929
Conc: 49.36 ng/ml

Instrument :

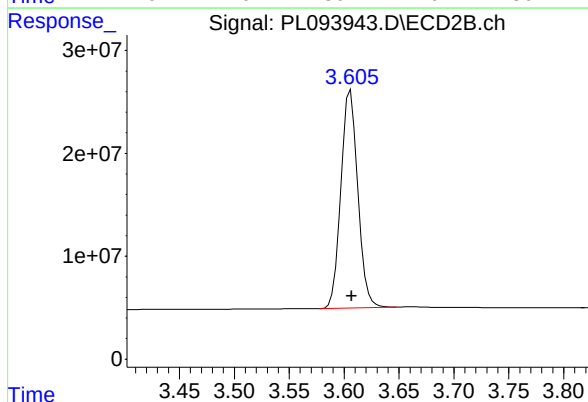
ECD_L

ClientSampleId :

PSTDCCC050

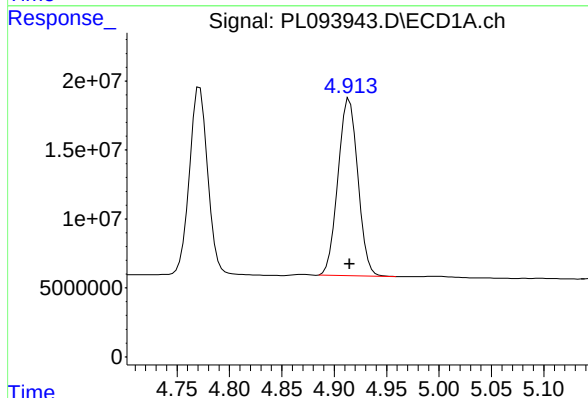
Manual Integrations
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Supervised By :Ankita Jodhani 02/03/2025



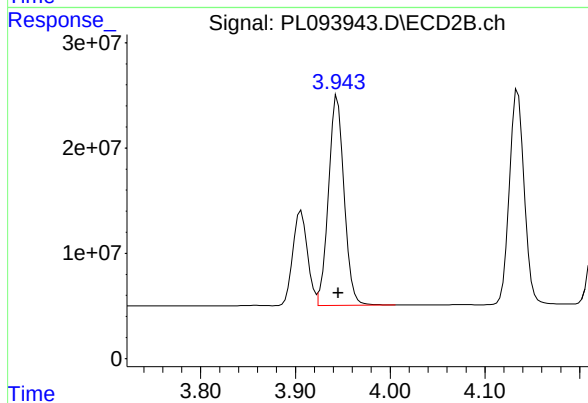
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: -0.001 min
Response: 226396596
Conc: 47.75 ng/ml



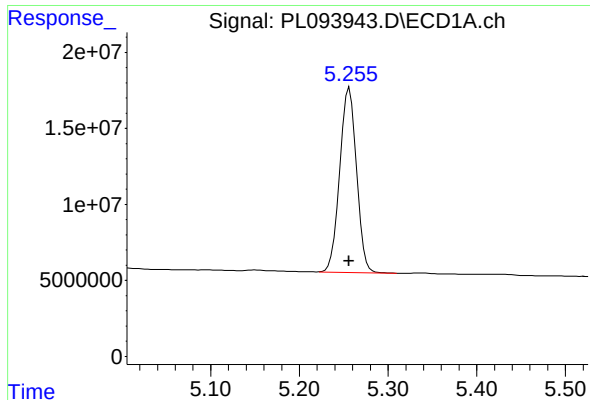
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 169368307
Conc: 51.68 ng/ml



#4 Heptachlor

R.T.: 3.944 min
Delta R.T.: 0.000 min
Response: 229049342
Conc: 49.21 ng/ml



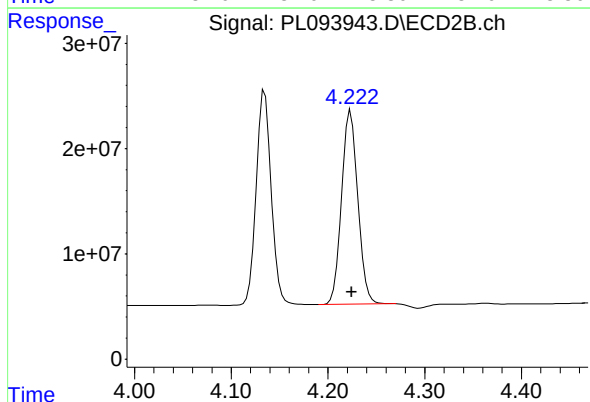
#5 Aldrin

R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 159729603
Conc: 48.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

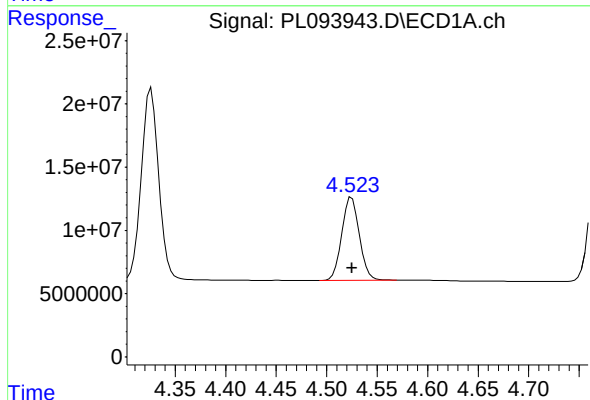
Manual Integrations
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Supervised By :Ankita Jodhani 02/03/2025



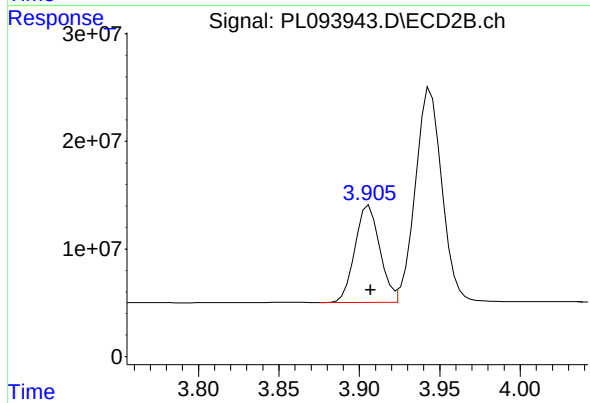
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: -0.001 min
Response: 214722350
Conc: 47.07 ng/ml



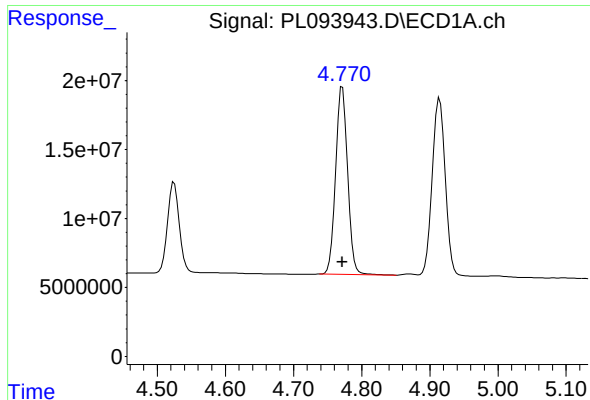
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 79824408
Conc: 49.66 ng/ml



#6 beta-BHC

R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 97064464
Conc: 48.59 ng/ml



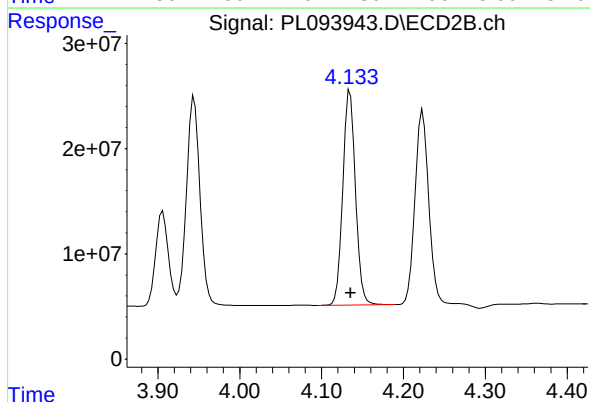
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 166130357
Conc: 47.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

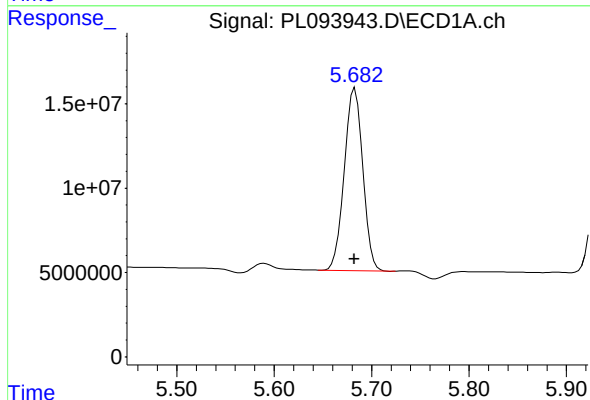
Manual Integrations
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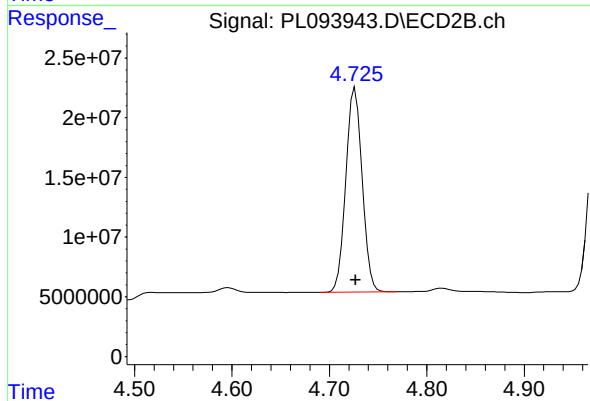
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 220181787
Conc: 46.34 ng/ml



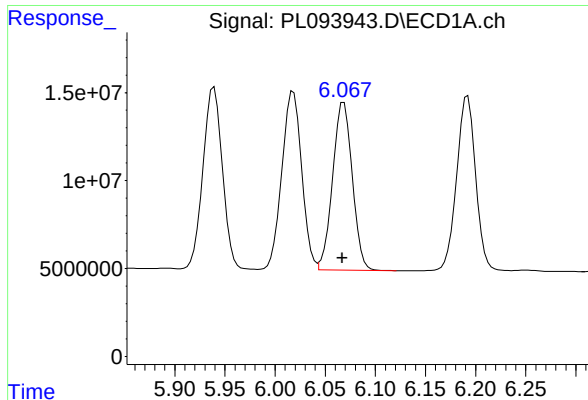
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 142638245
Conc: 47.96 ng/ml



#8 Heptachlor epoxide

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 199163293
Conc: 47.64 ng/ml



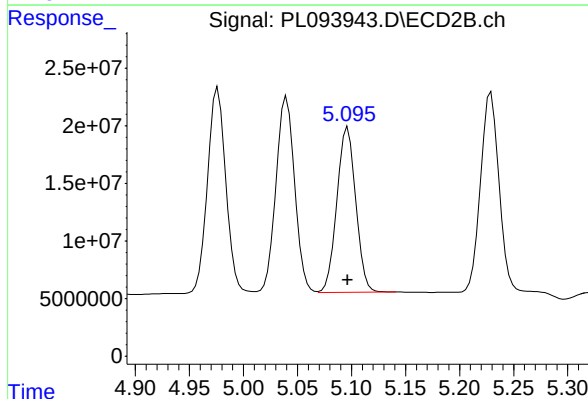
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.001 min
Response: 129949655
Conc: 49.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

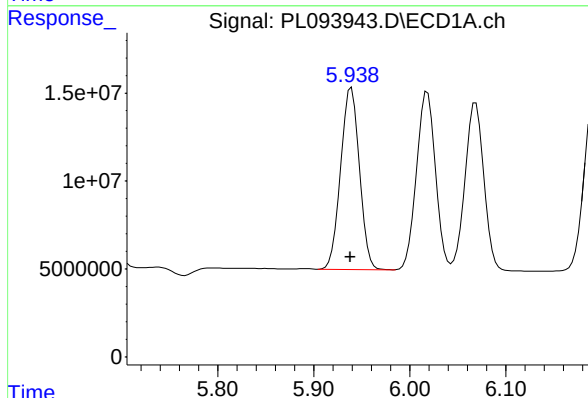
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



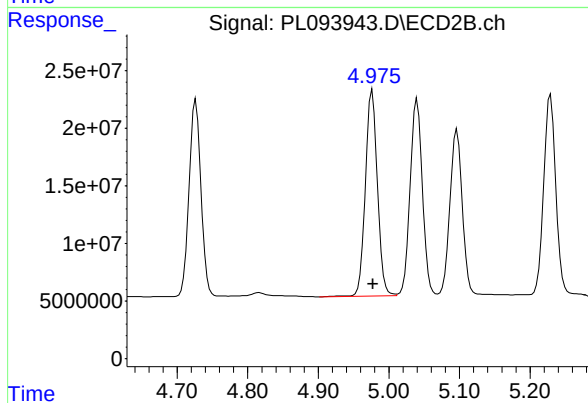
#9 Endosulfan I

R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 174469159
Conc: 45.00 ng/ml



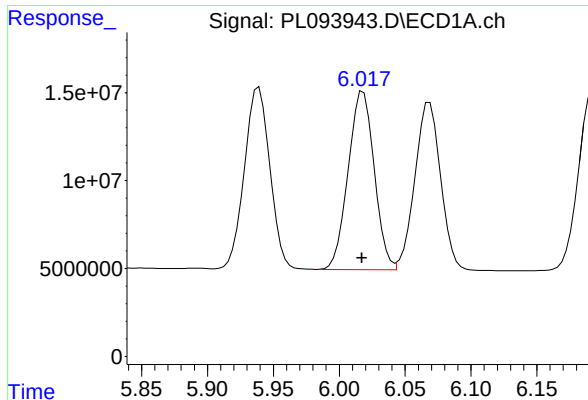
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 139220700
Conc: 49.95 ng/ml



#10 gamma-Chlordane

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 212552875
Conc: 50.16 ng/ml



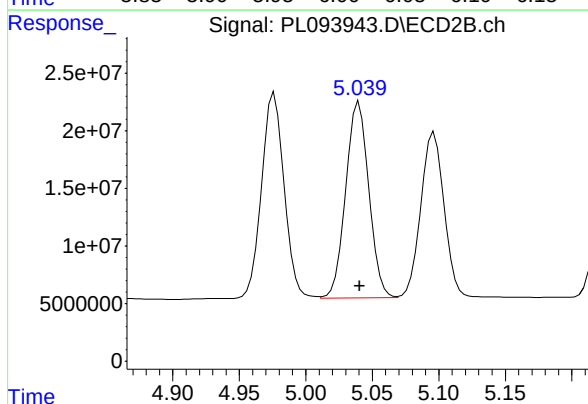
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 139642336
Conc: 50.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

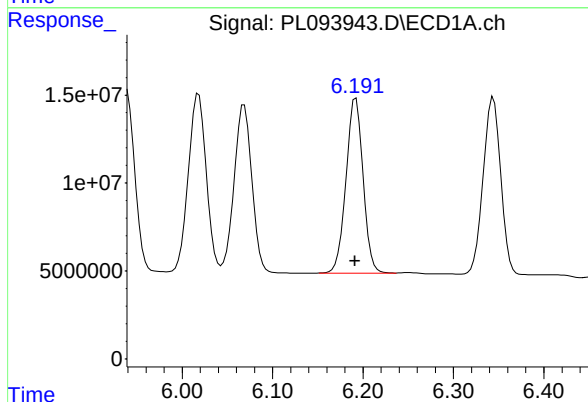
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Supervised By :Ankita Jodhani 02/03/2025



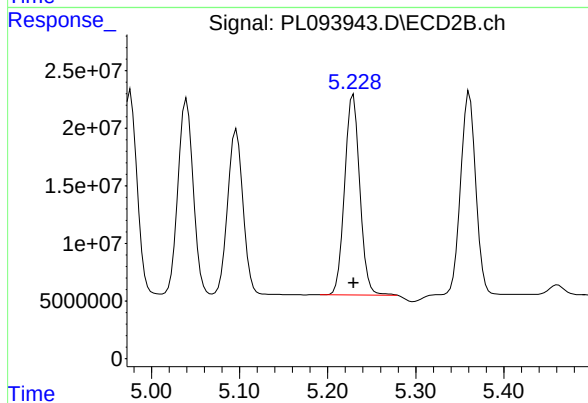
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 206461185
Conc: 49.32 ng/ml



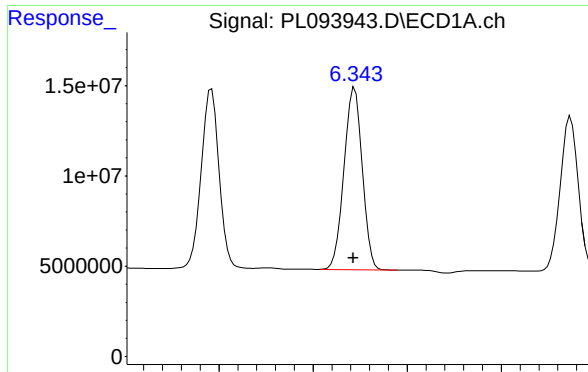
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 130603013
Conc: 53.64 ng/ml



#12 4,4'-DDE

R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 208276185
Conc: 51.95 ng/ml



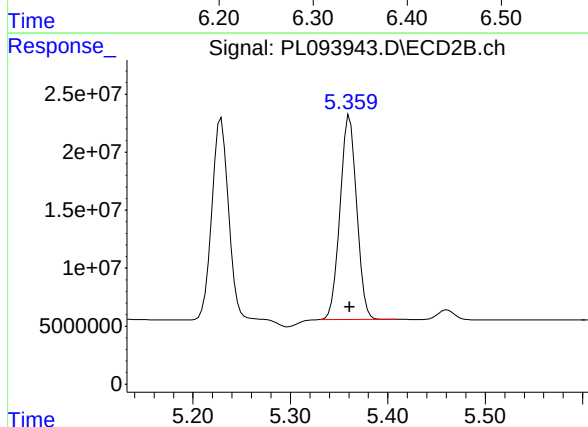
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.001 min
Response: 136258977
Conc: 49.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

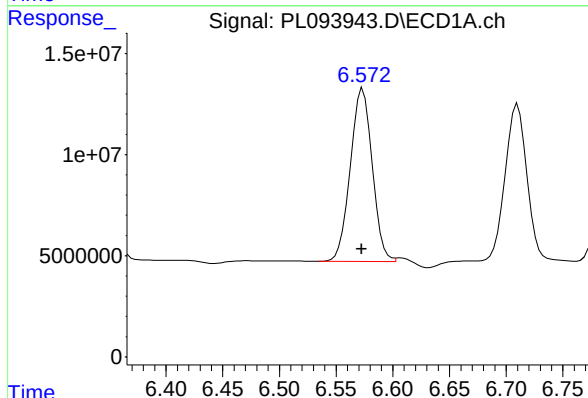
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



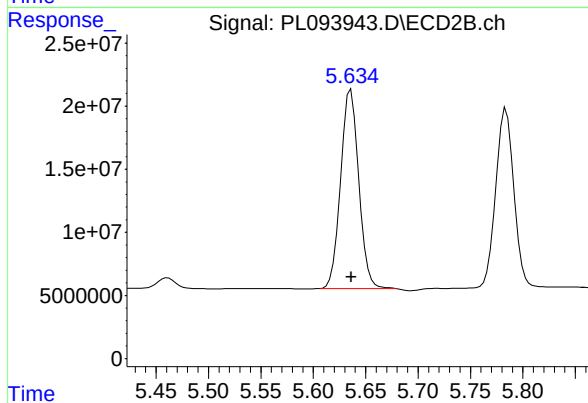
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 209025626
Conc: 48.66 ng/ml



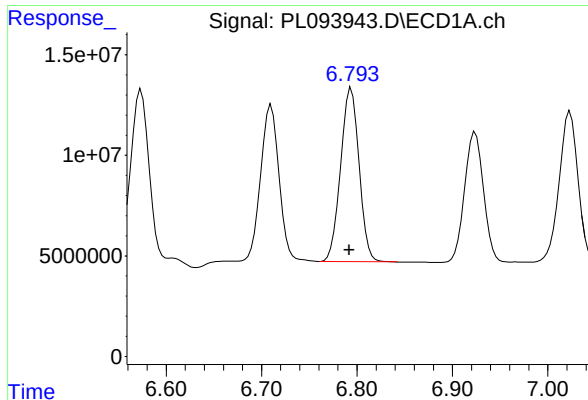
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 115508037
Conc: 49.26 ng/ml m



#14 Endrin

R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 190350317
Conc: 51.55 ng/ml



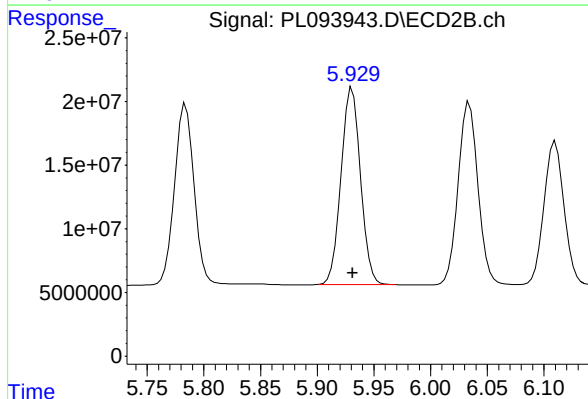
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.002 min
Response: 116474797
Conc: 48.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

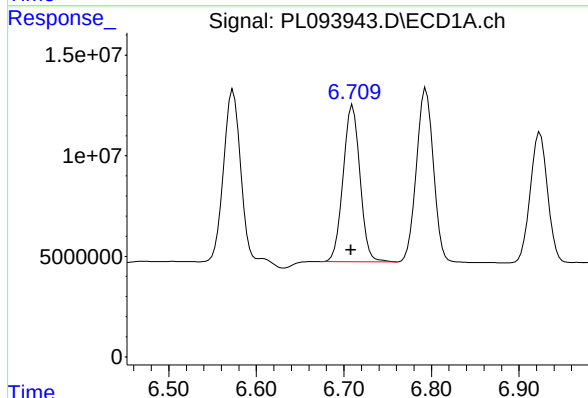
Manual Integrations
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Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



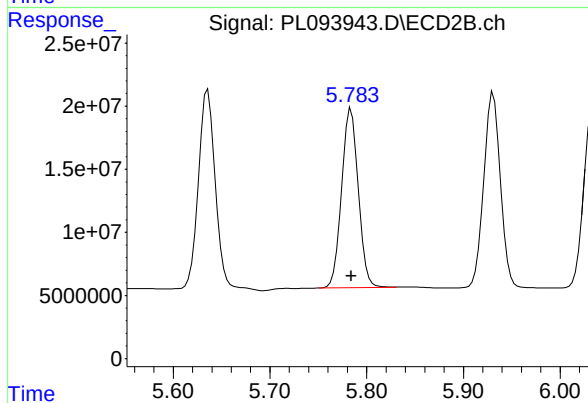
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 184453995
Conc: 49.80 ng/ml



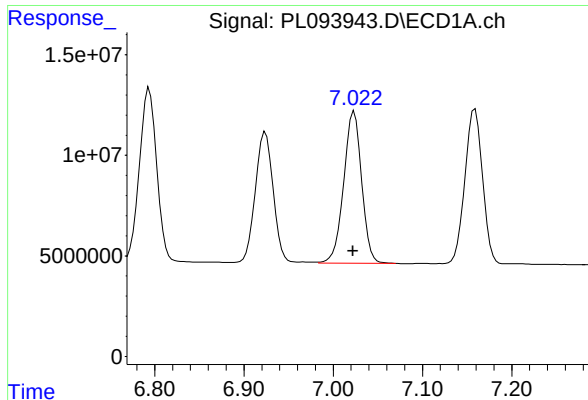
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.002 min
Response: 104295691
Conc: 54.88 ng/ml



#16 4,4'-DDD

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 170099239
Conc: 53.89 ng/ml



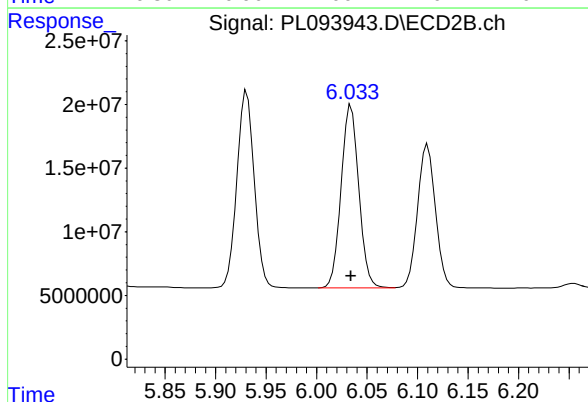
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.001 min
Response: 105638372
Conc: 53.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

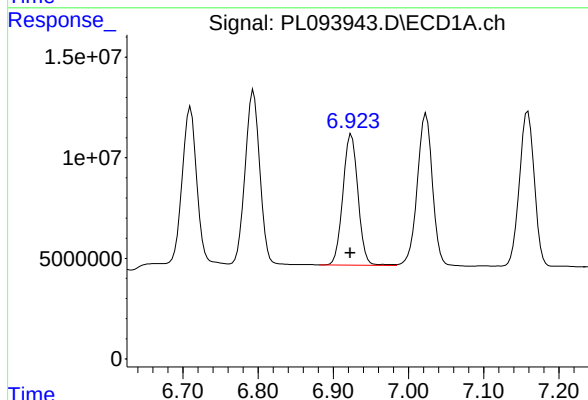
Manual Integrations
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Supervised By :Ankita Jodhani 02/03/2025



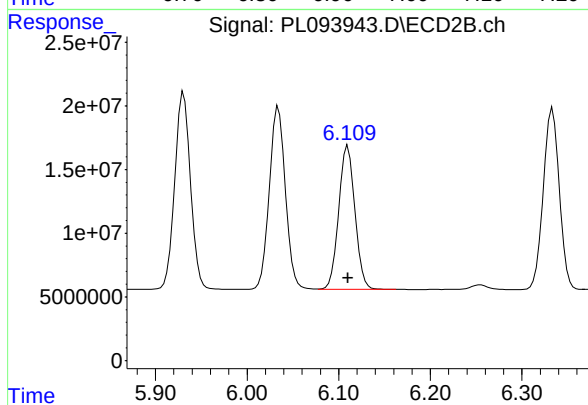
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 175446797
Conc: 53.92 ng/ml



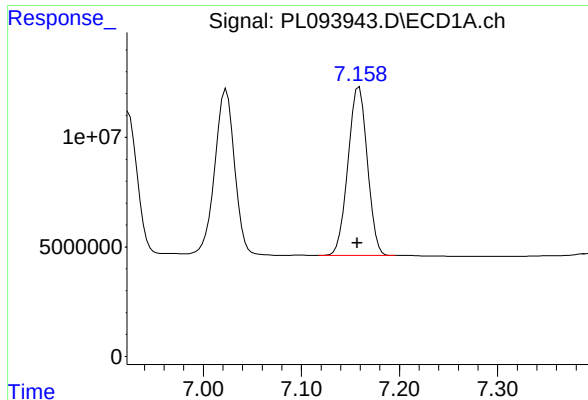
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.001 min
Response: 90562659
Conc: 46.58 ng/ml



#18 Endrin aldehyde

R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 139067043
Conc: 45.68 ng/ml



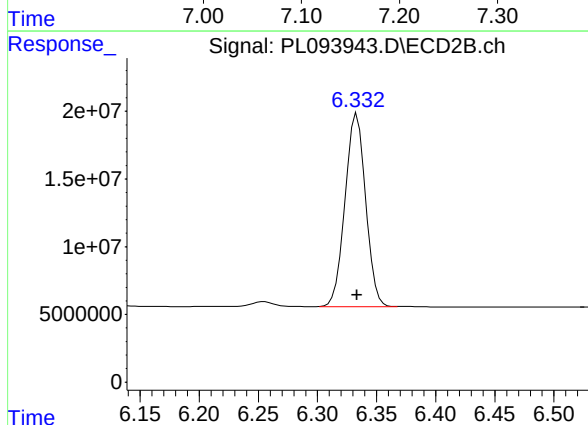
#19 Endosulfan Sulfate

R.T.: 7.159 min
Delta R.T.: 0.002 min
Response: 105503247
Conc: 46.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

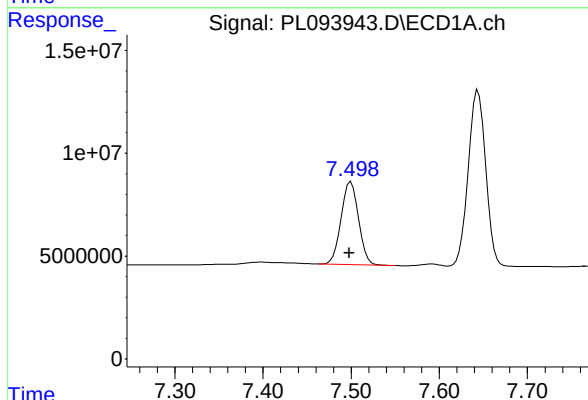
Manual Integrations
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Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



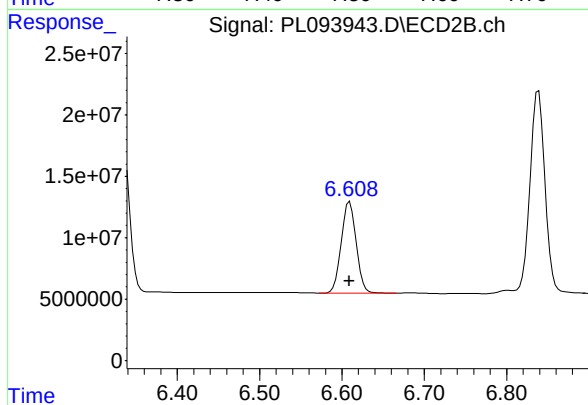
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 172573421
Conc: 48.39 ng/ml



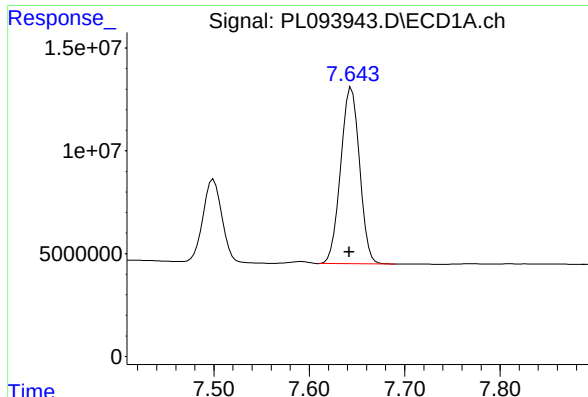
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.002 min
Response: 55495800
Conc: 53.19 ng/ml



#20 Methoxychlor

R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 93773372
Conc: 52.44 ng/ml



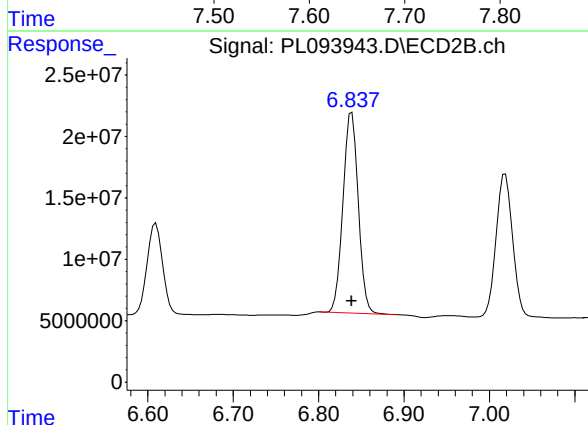
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.002 min
Response: 118061517
Conc: 46.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

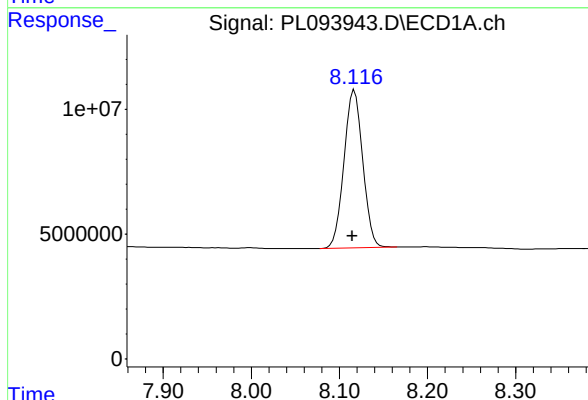
Manual Integrations
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Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



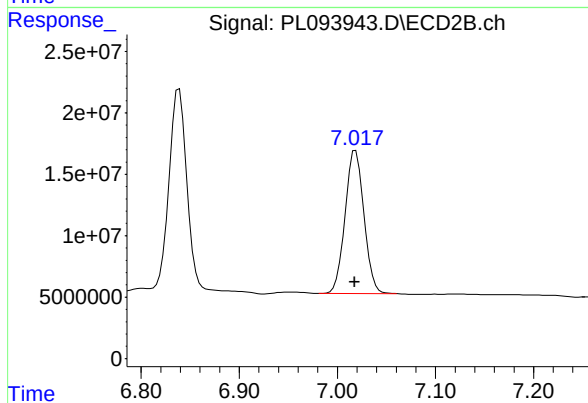
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 202414678
Conc: 48.25 ng/ml



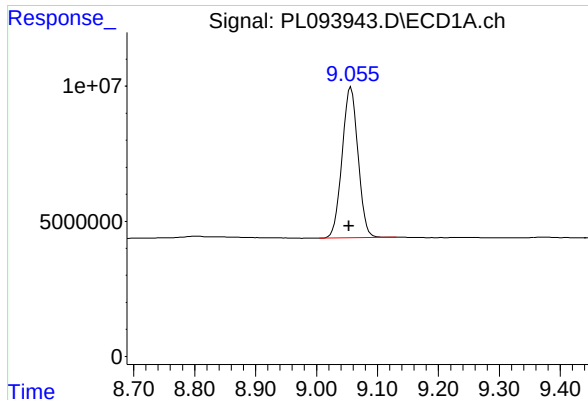
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.002 min
Response: 93662867
Conc: 44.98 ng/ml



#22 Mirex

R.T.: 7.019 min
Delta R.T.: 0.001 min
Response: 155823162
Conc: 46.08 ng/ml



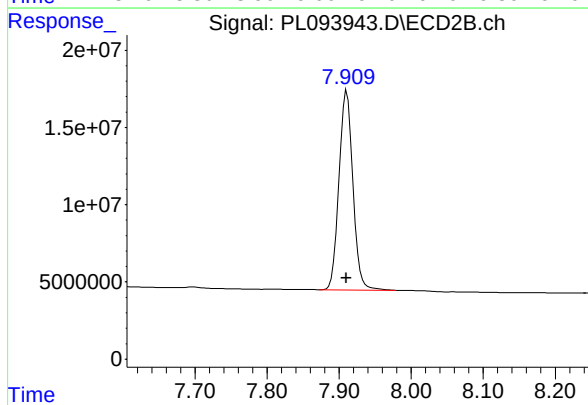
#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.004 min
Response: 101308174
Conc: 48.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
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Supervised By :Ankita Jodhani 02/03/2025



#28 Decachlorobiphenyl

R.T.: 7.911 min
Delta R.T.: 0.000 min
Response: 172452418
Conc: 49.21 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: WEST04

Lab Code: CHEM **Case No.:** Q1211 **SAS No.:** Q1211 **SDG NO.:** Q1211

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No. (PEM): PEM - PL093726.D **Date Analyzed:** 01/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:30

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.052	8.950	9.150	18.070	20.000	-9.7
Tetrachloro-m-xylene	3.538	3.490	3.590	18.530	20.000	-7.4
alpha-BHC	3.994	3.940	4.040	9.490	10.000	-5.1
beta-BHC	4.525	4.470	4.580	9.790	10.000	-2.1
gamma-BHC (Lindane)	4.326	4.280	4.380	9.300	10.000	-7.0
Endrin	6.572	6.500	6.640	41.270	50.000	-17.5
4,4'-DDT	7.022	6.950	7.090	82.410	100.000	-17.6
Methoxychlor	7.498	7.430	7.570	190.380	250.000	-23.8

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No. (PEM): PEM - PL093726.D **Date Analyzed:** 01/21/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:30

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.909	7.810	8.010	17.950	20.000	-10.3
Tetrachloro-m-xylene	2.775	2.720	2.830	17.900	20.000	-10.5
alpha-BHC	3.277	3.230	3.330	8.620	10.000	-13.8
beta-BHC	3.907	3.860	3.960	9.800	10.000	-2.0
gamma-BHC (Lindane)	3.607	3.560	3.660	8.300	10.000	-17.0
Endrin	5.636	5.570	5.710	42.700	50.000	-14.6
4,4'-DDT	6.034	5.960	6.100	96.510	100.000	-3.5
Methoxychlor	6.609	6.540	6.680	209.940	250.000	-16.0

Data File: PEM
 PL093726.D **Date Acquired** 1/21/2025 10:30
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	96765136.66	105215770.7	8450634.06	8.03
Endrin aldehyde	6.92	3175682.472			
Endrin ketone	7.64	5274951.584			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	157695791.8	174071574	16375782.2	9.41
Endrin aldehyde #2	6.11	6776503.08			
Endrin ketone #2	6.84	9599279.119			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	162509369.8	166424298.6	3914928.76	2.35
4,4'-DDE	6.19	560248.444			
4,4'-DDD	6.71	3354680.315			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	314041690	320417432.8	6375742.79	1.99
4,4'-DDE #2	5.23	775353.914			
4,4'-DDD #2	5.78	5600388.877			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
 Data File : PL093726.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Jan 2025 10:30
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 01/22/2025
 Supervised By : Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jan 21 14:04:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:02:23 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.775	49897579	58438387	18.530	17.903
2) SA Decachlor...	9.052	7.909	37808316	62882920	18.074	17.946
Target Compounds						
2) A alpha-BHC	3.994	3.277	36373358	42163610	9.487	8.624
3) MA gamma-BHC...	4.326	3.607	34234012	39348781	9.296	8.299
6) B beta-BHC	4.525	3.907	15730216	19569860	9.787	9.797
12) B 4,4'-DDE	6.193	5.230	560248	775354	0.230m	0.193
14) MA Endrin	6.572	5.636	96765137	157.7E6	41.268	42.705
16) A 4,4'-DDD	6.707	5.785	3354680	5600389	1.765m	1.774
17) MA 4,4'-DDT	7.022	6.034	162.5E6	314.0E6	82.406	96.508
18) B Endrin al...	6.921	6.109	3175682	6776503	1.634m	2.226 #
20) A Methoxychlor	7.498	6.609	198.6E6	375.4E6	190.379	209.937
21) B Endrin ke...	7.640	6.838	5274952	9599279	2.091	2.288

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093726.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:30
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

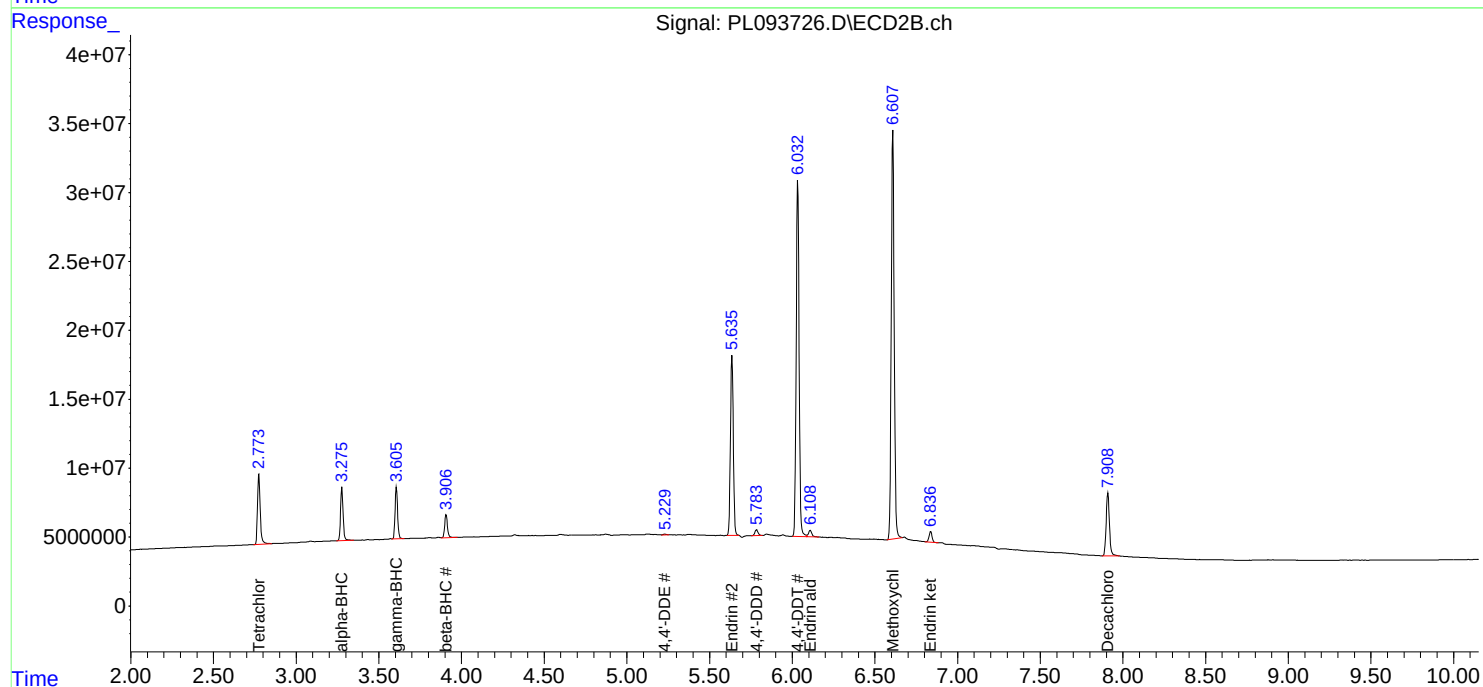
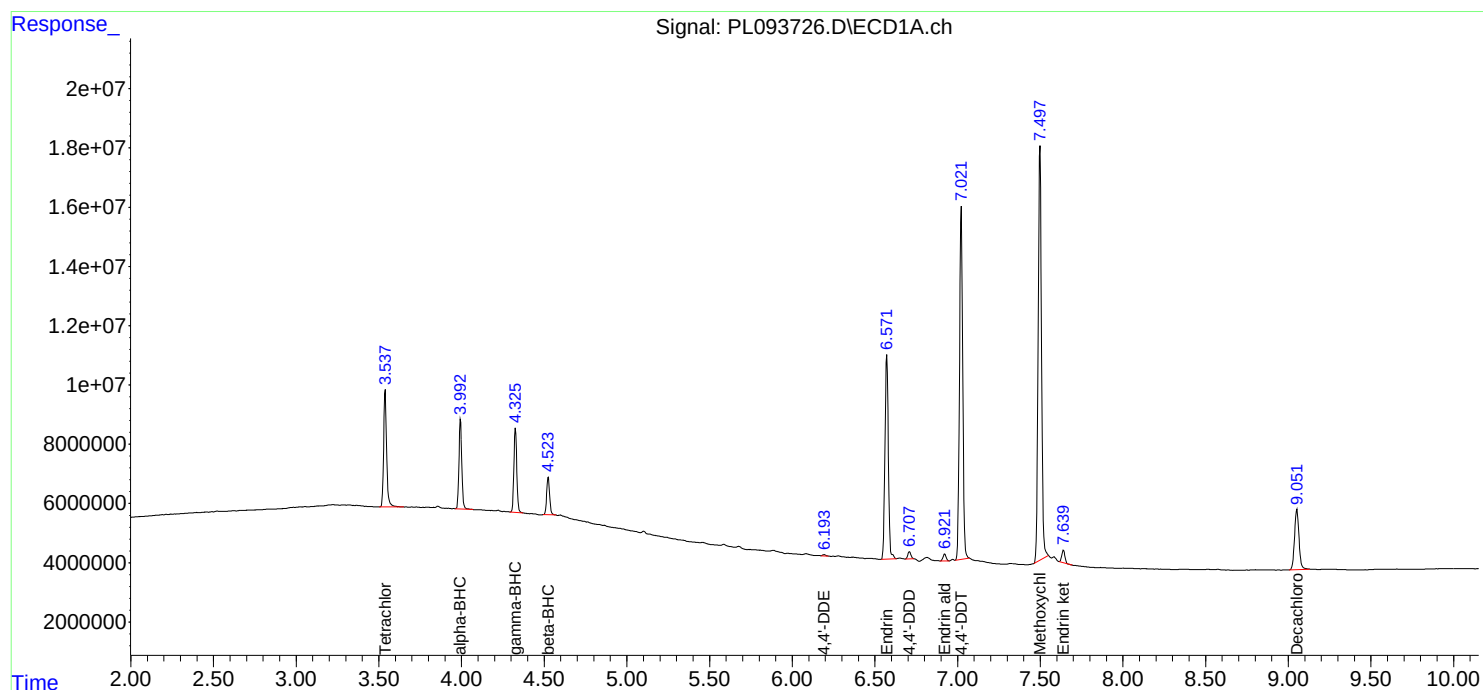
Instrument :
ECD_L
ClientSampleId :
PEM

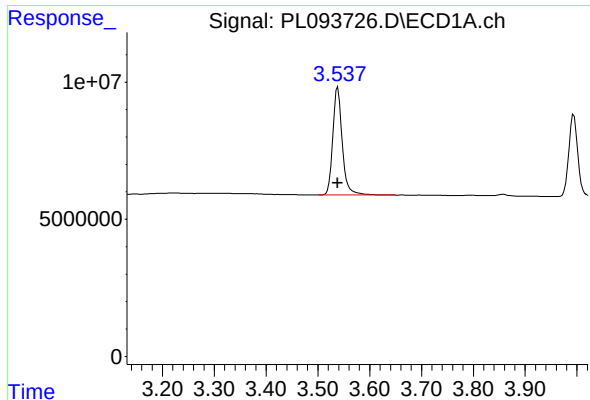
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:04:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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





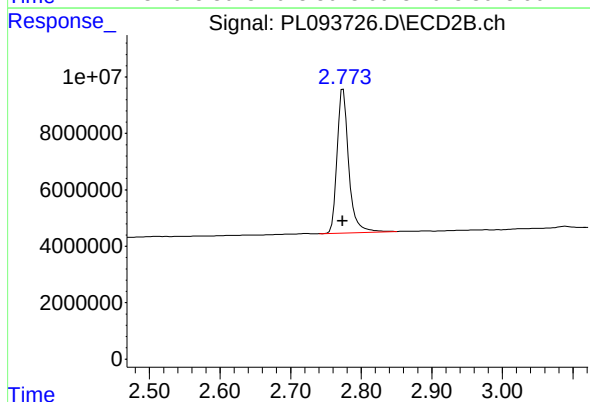
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 49897579
Conc: 18.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

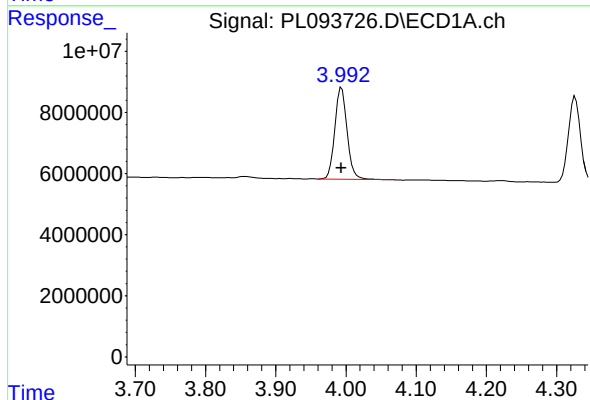
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Supervised By :Ankita Jodhani 01/22/2025



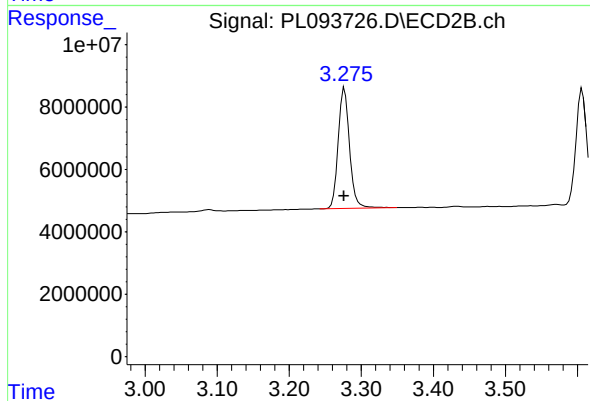
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.000 min
Response: 58438387
Conc: 17.90 ng/ml



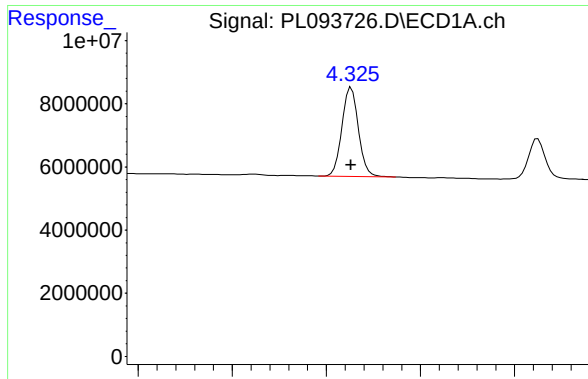
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 36373358
Conc: 9.49 ng/ml



#2 alpha-BHC

R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 42163610
Conc: 8.62 ng/ml



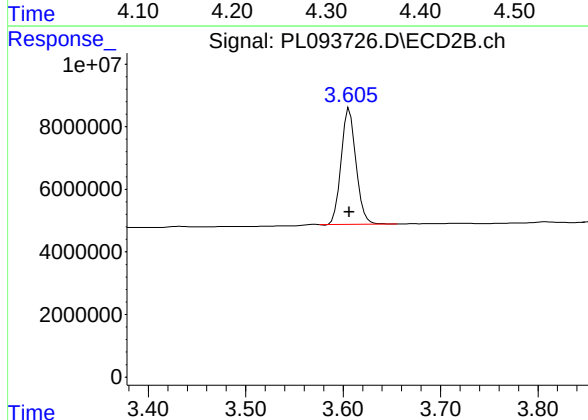
#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 34234012
Conc: 9.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

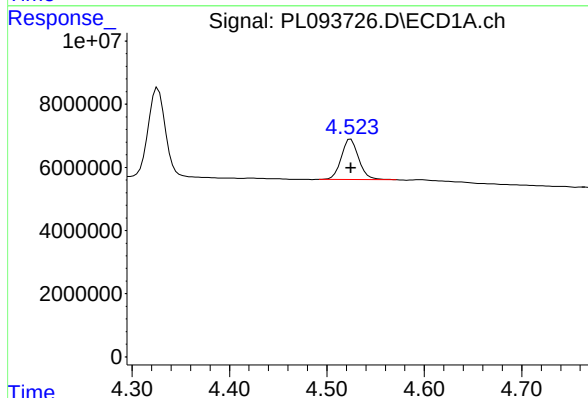
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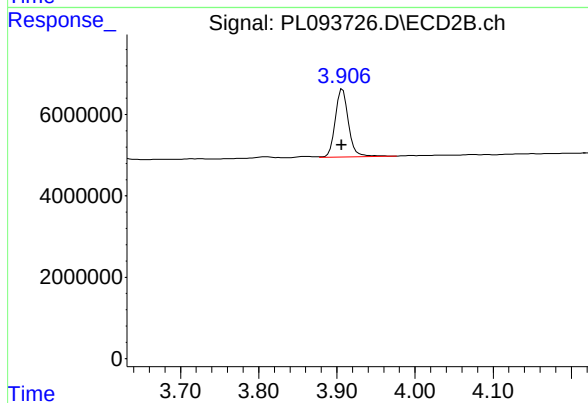
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 39348781
Conc: 8.30 ng/ml



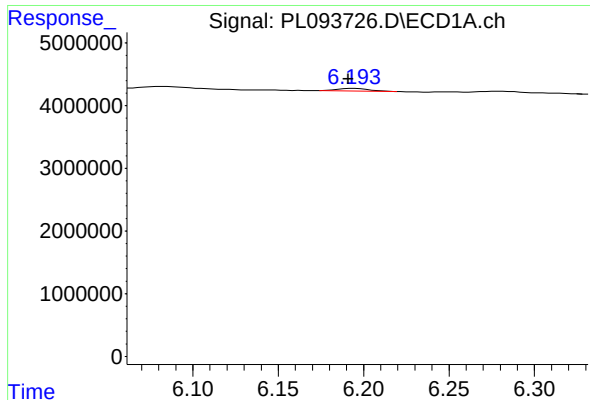
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 15730216
Conc: 9.79 ng/ml



#6 beta-BHC

R.T.: 3.907 min
Delta R.T.: 0.001 min
Response: 19569860
Conc: 9.80 ng/ml



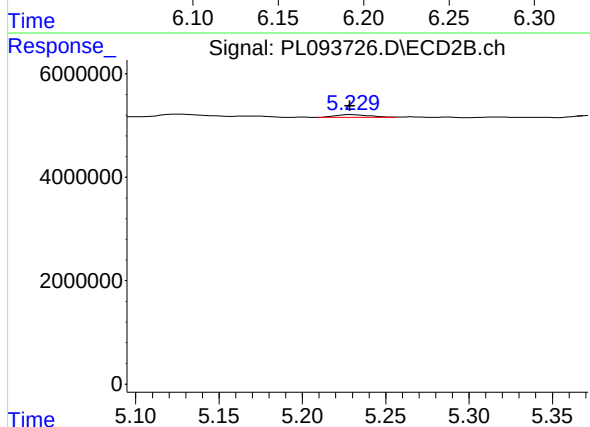
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.002 min
Response: 560248
Conc: 0.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

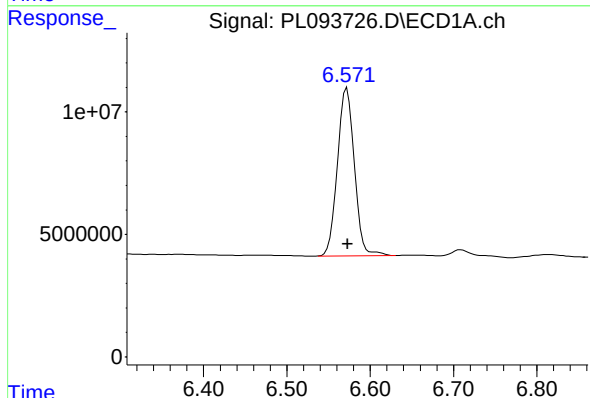
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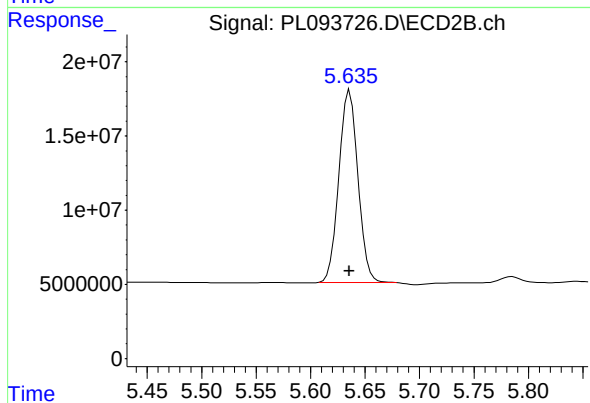
#12 4,4'-DDE

R.T.: 5.230 min
Delta R.T.: 0.002 min
Response: 775354
Conc: 0.19 ng/ml



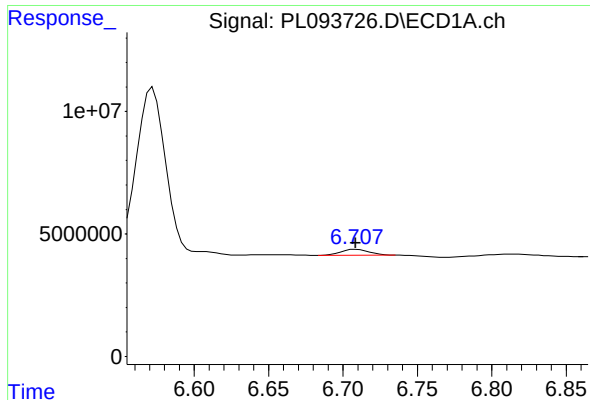
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 96765137
Conc: 41.27 ng/ml



#14 Endrin

R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 157695792
Conc: 42.70 ng/ml



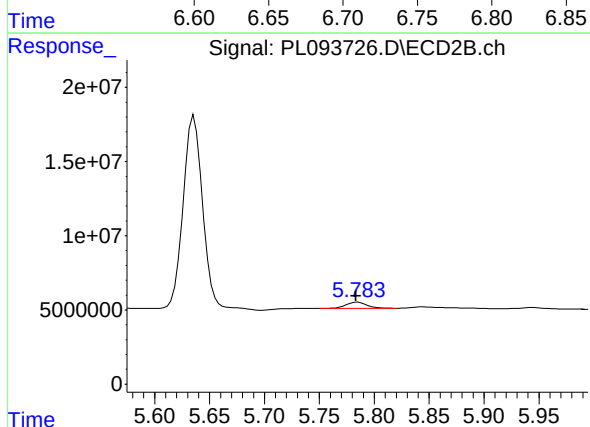
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 3354680
Conc: 1.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

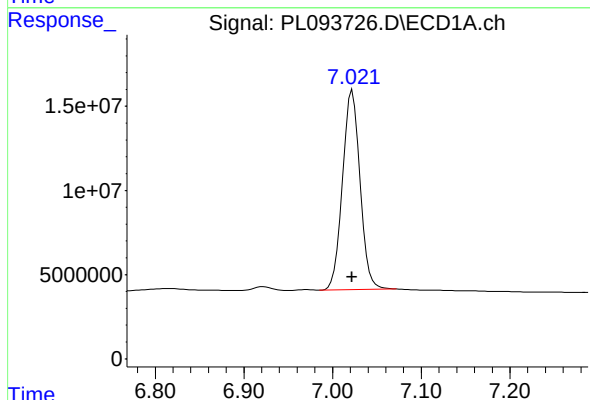
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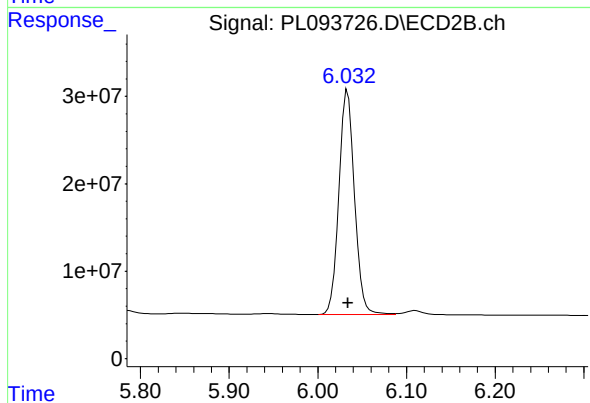
#16 4,4'-DDD

R.T.: 5.785 min
Delta R.T.: 0.001 min
Response: 5600389
Conc: 1.77 ng/ml



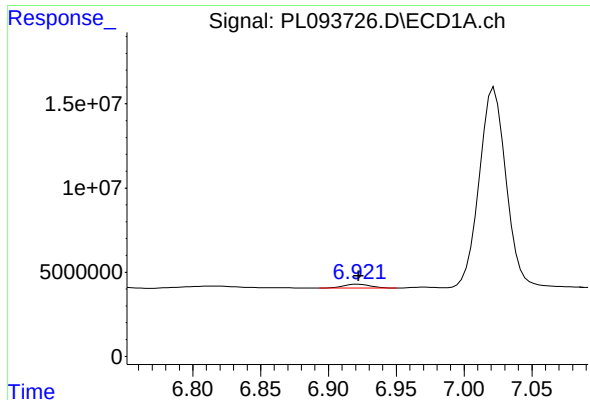
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 162509370
Conc: 82.41 ng/ml



#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 314041690
Conc: 96.51 ng/ml



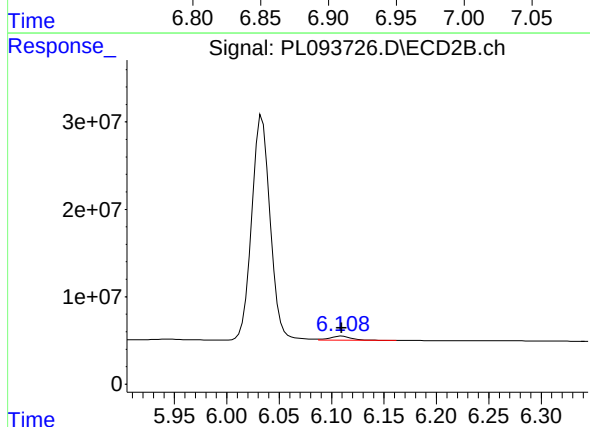
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.001 min
Response: 3175682
Conc: 1.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

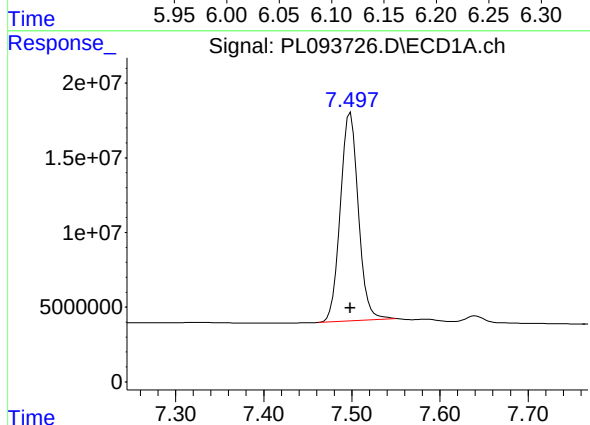
Manual Integrations
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Reviewed By :Abdul Mirza 01/22/2025
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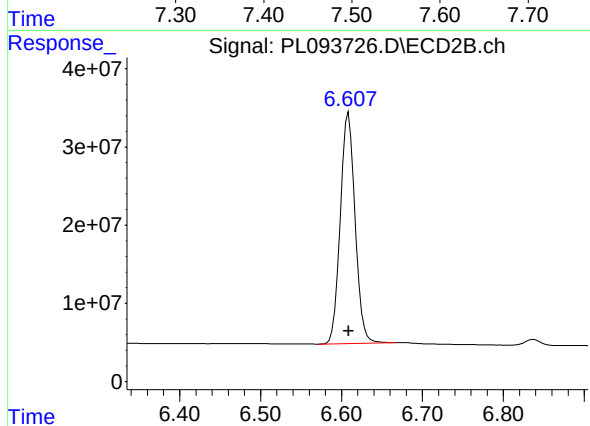
#18 Endrin aldehyde

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 6776503
Conc: 2.23 ng/ml



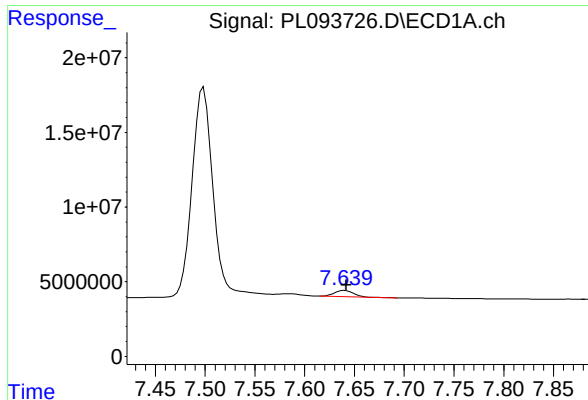
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 198641245
Conc: 190.38 ng/ml



#20 Methoxychlor

R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 375396697
Conc: 209.94 ng/ml



#21 Endrin ketone

R.T.: 7.640 min
Delta R.T.: -0.001 min
Response: 5274952
Conc: 2.09 ng/ml

Instrument :

ECD_L

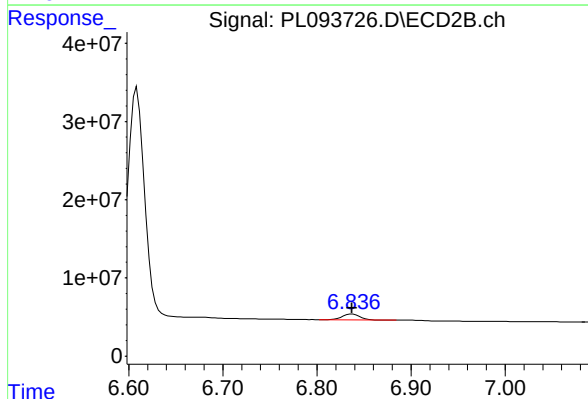
ClientSampleId :

PEM

Manual Integrations

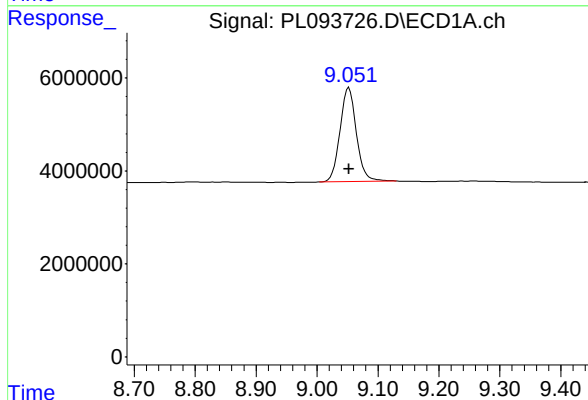
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Supervised By :Ankita Jodhani 01/22/2025



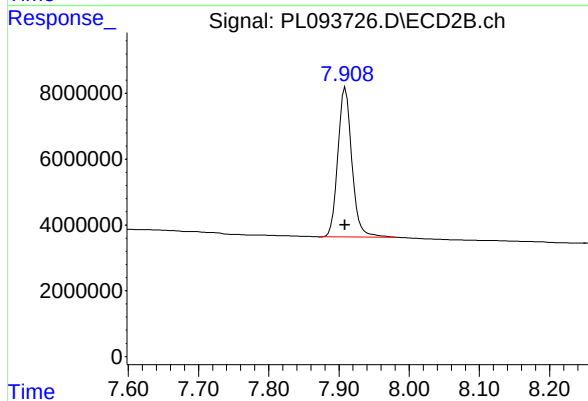
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 9599279
Conc: 2.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 37808316
Conc: 18.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 62882920
Conc: 17.95 ng/ml

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **WEST04**

Lab Code: **CHEM** Case No.: **Q1211** SAS No.: **Q1211** SDG NO.: **Q1211**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **01/21/2025** **01/21/2025**

Client Sample No. (PEM): **PEM - PL093929.D** Date Analyzed: **01/31/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:04**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.055	8.950	9.160	20.810	20.000	4.1
Tetrachloro-m-xylene	3.536	3.490	3.590	21.970	20.000	9.9
alpha-BHC	3.993	3.940	4.040	11.710	10.000	17.1
beta-BHC	4.524	4.470	4.570	11.950	10.000	19.5
gamma-BHC (Lindane)	4.325	4.270	4.380	11.550	10.000	15.5
Endrin	6.571	6.500	6.640	48.650	50.000	-2.7
4,4'-DDT	7.023	6.950	7.090	111.680	100.000	11.7
Methoxychlor	7.499	7.430	7.570	263.710	250.000	5.5

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **01/21/2025** **01/21/2025**

Client Sample No. (PEM): **PEM - PL093929.D** Date Analyzed: **01/31/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:04**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.909	7.810	8.010	20.550	20.000	2.8
Tetrachloro-m-xylene	2.773	2.720	2.820	21.090	20.000	5.5
alpha-BHC	3.276	3.230	3.330	10.040	10.000	0.4
beta-BHC	3.906	3.860	3.960	10.760	10.000	7.6
gamma-BHC (Lindane)	3.606	3.560	3.660	9.410	10.000	-5.9
Endrin	5.636	5.570	5.710	52.600	50.000	5.2
4,4'-DDT	6.034	5.960	6.100	118.390	100.000	18.4
Methoxychlor	6.609	6.540	6.680	266.850	250.000	6.7

Data File: PEM
 PL093929.D **Date Acquired** 1/31/2025 11:04
Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	114069036.6	123405513.4	9336476.86	Down 7.57
Endrin aldehyde	6.92	3204039.84			
Endrin ketone	7.64	6132437.023			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.64	194240646	206778735.2	12538089.3	6.06
Endrin aldehyde #2	6.11	5122985.811			
Endrin ketone #2	6.84	7415103.441			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	220234745.2	221974836.9	1740091.71	0.78
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	1740091.71			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.03	385239381.2	387063377.5	1823996.3	0.47
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.78	1823996.297			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
 Data File : PL093929.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Jan 2025 11:04
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 02/03/2025
 Supervised By : Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 01 00:23:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.536	2.773	59160870	68856501	21.970	21.095
28) SA Decachlor...	9.055	7.909	43538365	71991432	20.813	20.545
Target Compounds						
2) A alpha-BHC	3.993	3.276	44899644	49070780	11.711	10.037
3) MA gamma-BHC...	4.325	3.606	42528053	44605929	11.548	9.408
6) B beta-BHC	4.524	3.906	19203907	21501109	11.948	10.764
14) MA Endrin	6.571	5.636	114.1E6	194.2E6	48.647m	52.601
16) A 4,4'-DDD	6.708	5.783	1740092	1823996	0.916m	0.578m#
17) MA 4,4'-DDT	7.023	6.034	220.2E6	385.2E6	111.678	118.388
18) B Endrin al...	6.923	6.110	3204040	5122986	1.648	1.683
20) A Methoxychlor	7.499	6.609	275.2E6	477.2E6	263.715	266.852
21) B Endrin ke...	7.642	6.838	6132437	7415103	2.431	1.768 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093929.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 11:04
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

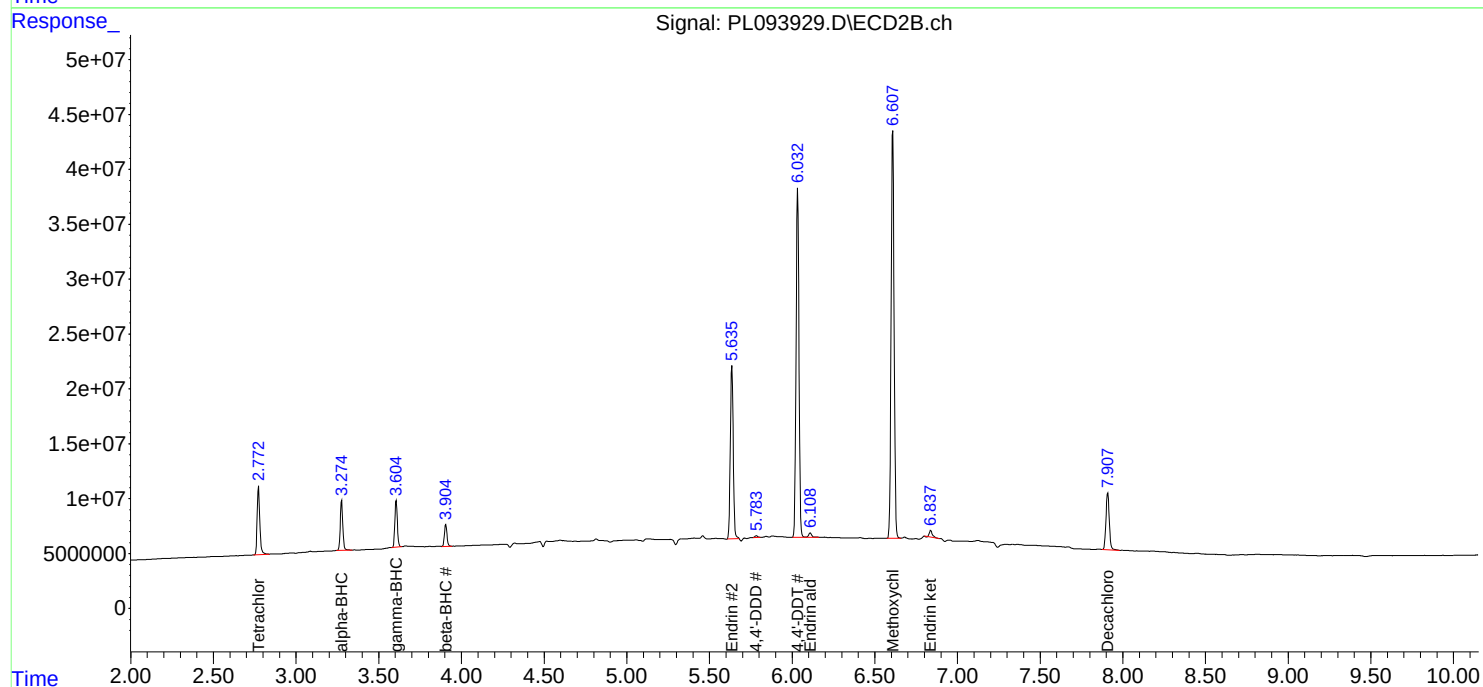
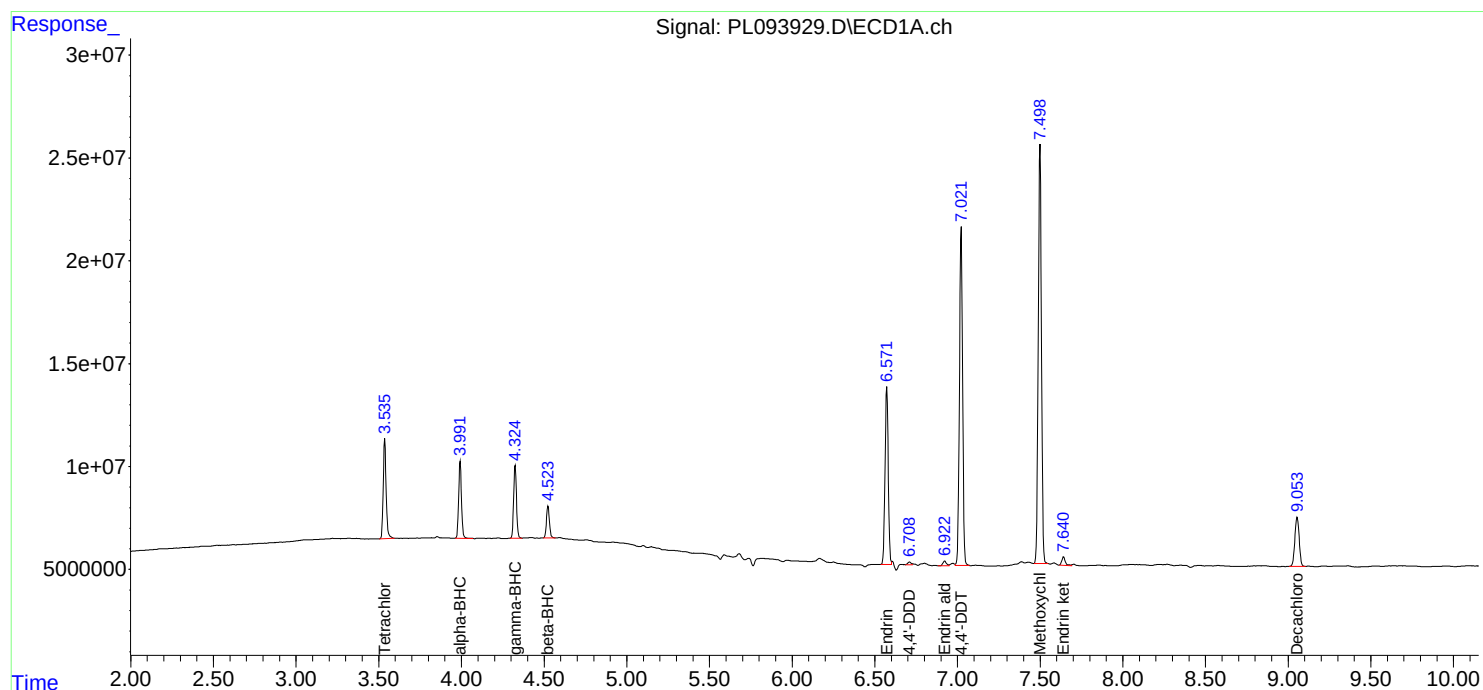
Instrument :
ECD_L
ClientSampleId :
PEM

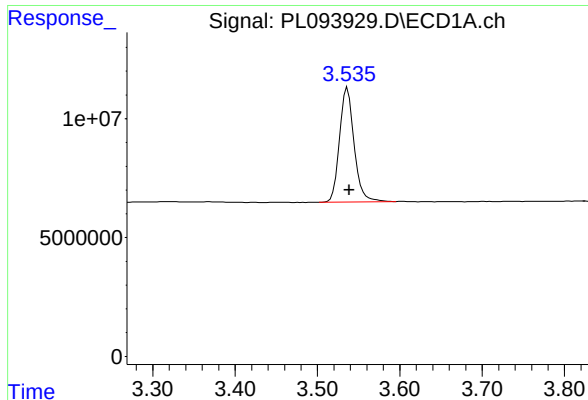
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Supervised By : Ankita Jodhani 02/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 00:23:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





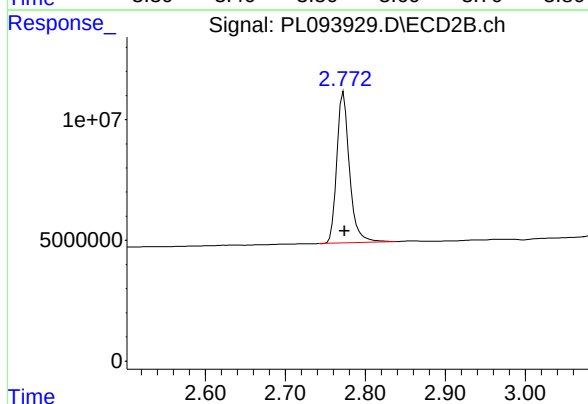
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 59160870
Conc: 21.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

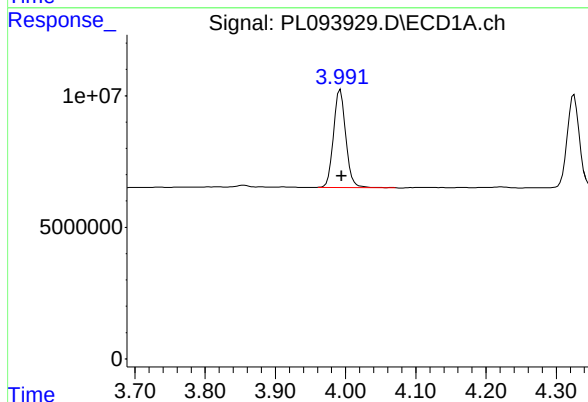
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Supervised By :Ankita Jodhani 02/03/2025



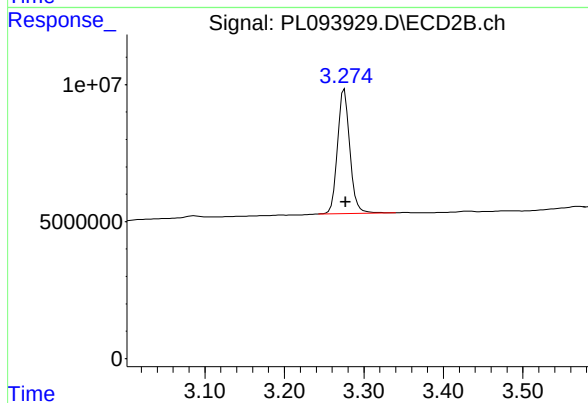
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: -0.002 min
Response: 68856501
Conc: 21.09 ng/ml



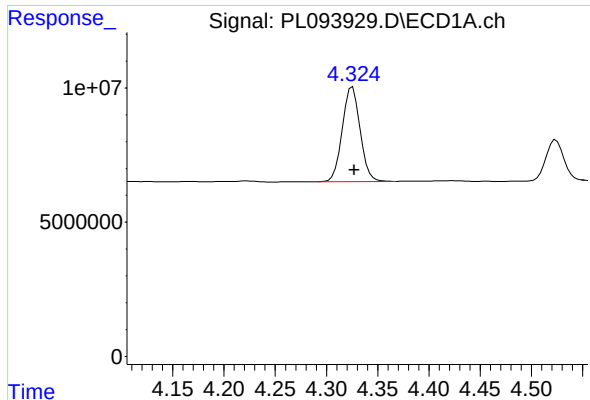
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.002 min
Response: 44899644
Conc: 11.71 ng/ml



#2 alpha-BHC

R.T.: 3.276 min
Delta R.T.: -0.001 min
Response: 49070780
Conc: 10.04 ng/ml



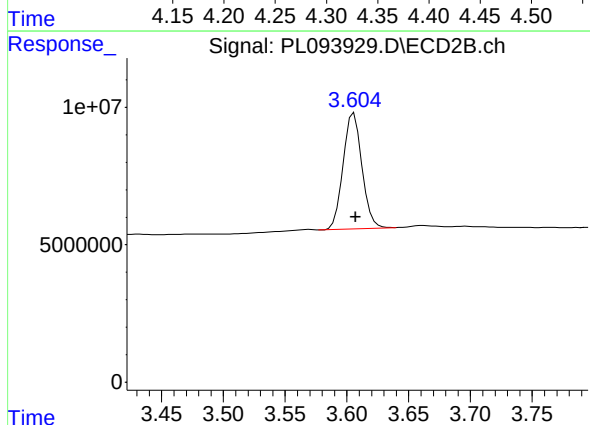
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 42528053
Conc: 11.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

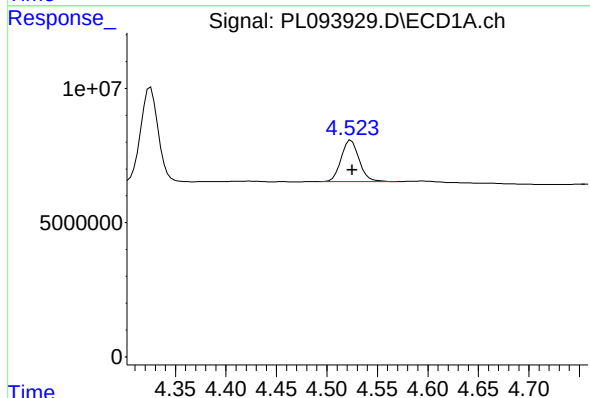
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



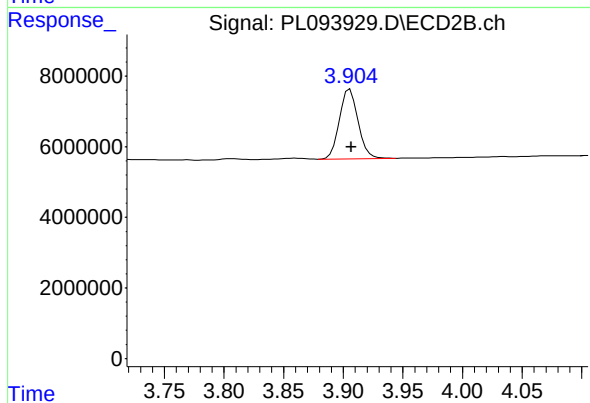
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: -0.001 min
Response: 44605929
Conc: 9.41 ng/ml



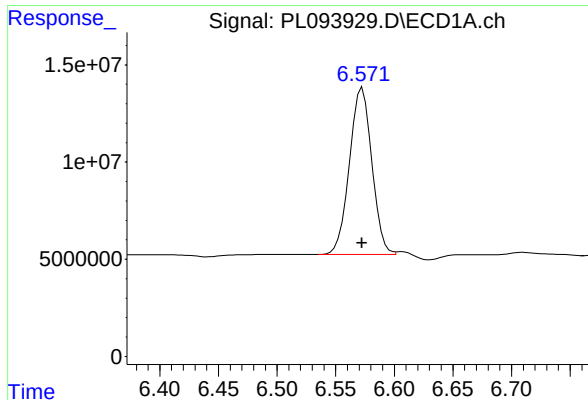
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.001 min
Response: 19203907
Conc: 11.95 ng/ml



#6 beta-BHC

R.T.: 3.906 min
Delta R.T.: -0.001 min
Response: 21501109
Conc: 10.76 ng/ml



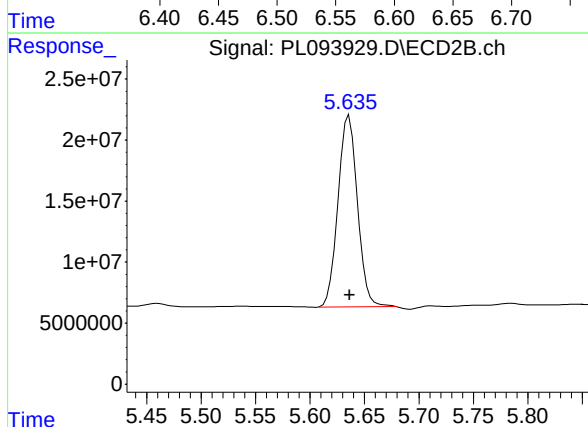
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.001 min
Response: 114069037
Conc: 48.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

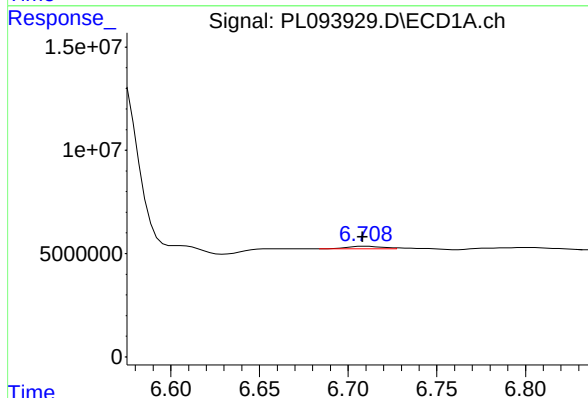
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



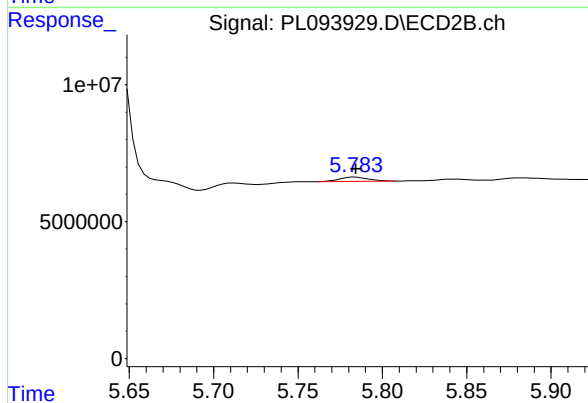
#14 Endrin

R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 194240646
Conc: 52.60 ng/ml



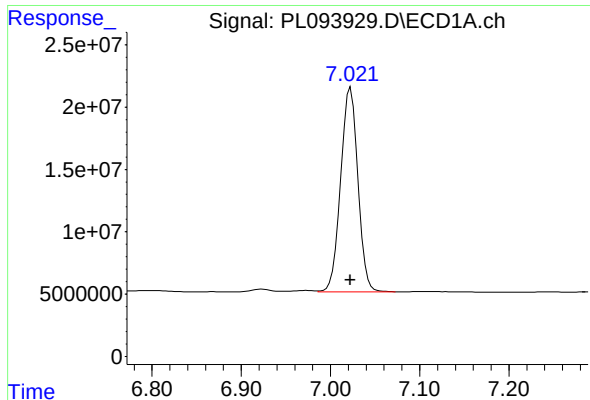
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.000 min
Response: 1740092
Conc: 0.92 ng/ml m



#16 4,4'-DDD

R.T.: 5.783 min
Delta R.T.: -0.001 min
Response: 1823996
Conc: 0.58 ng/ml m



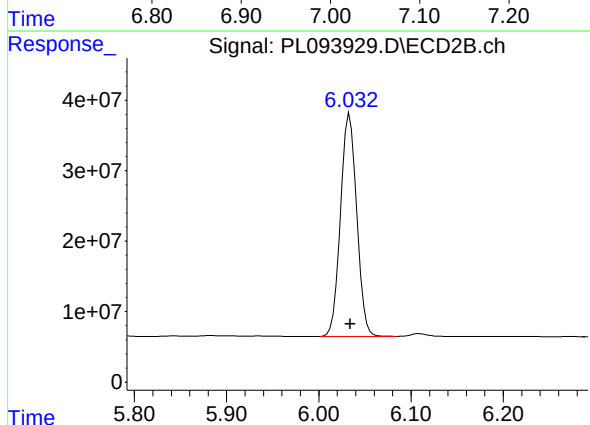
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 220234745
Conc: 111.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

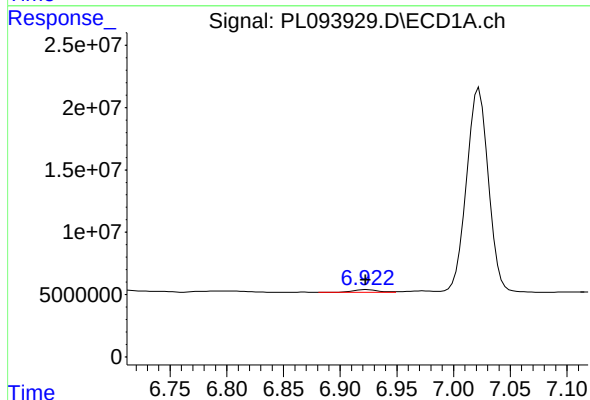
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



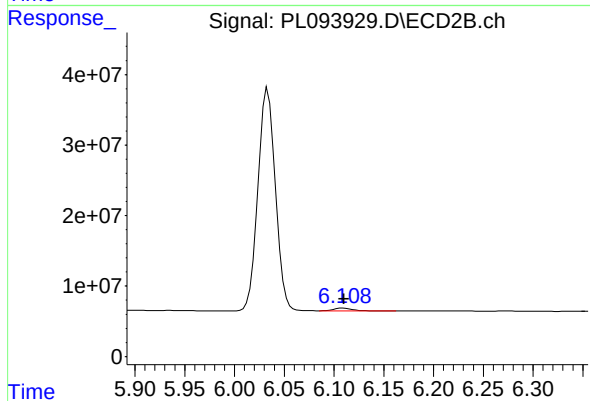
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 385239381
Conc: 118.39 ng/ml



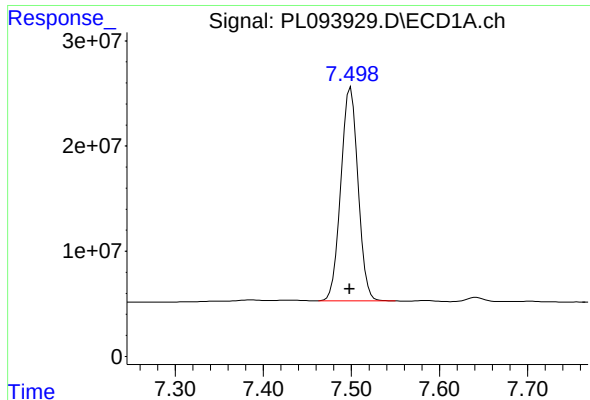
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 3204040
Conc: 1.65 ng/ml



#18 Endrin aldehyde

R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 5122986
Conc: 1.68 ng/ml



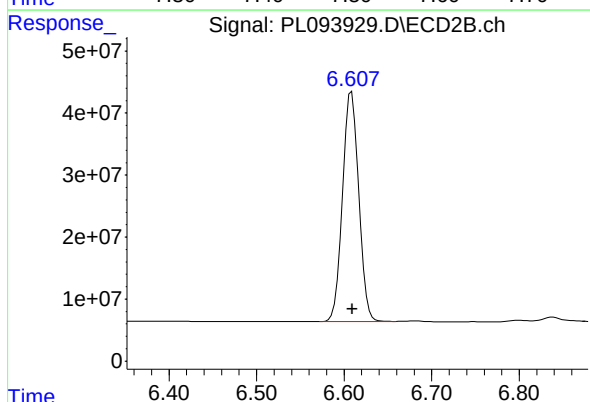
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.001 min
Response: 275158888
Conc: 263.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

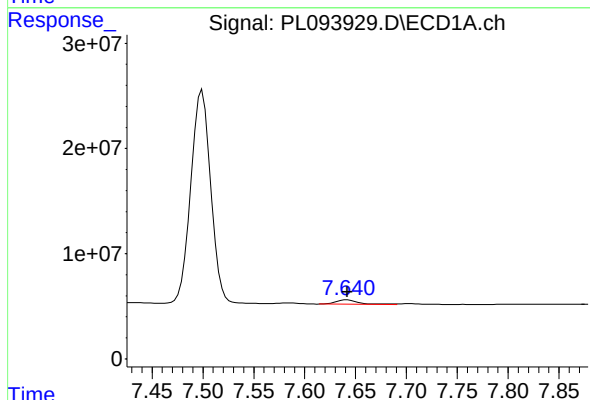
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



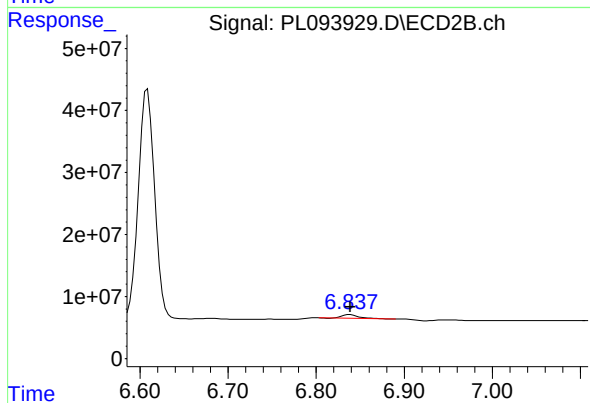
#20 Methoxychlor

R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 477168648
Conc: 266.85 ng/ml



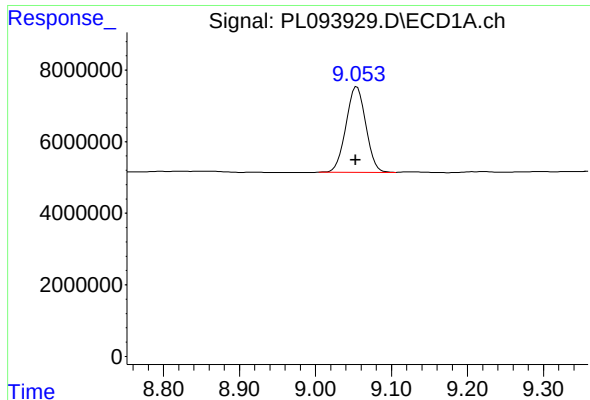
#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 6132437
Conc: 2.43 ng/ml



#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 7415103
Conc: 1.77 ng/ml



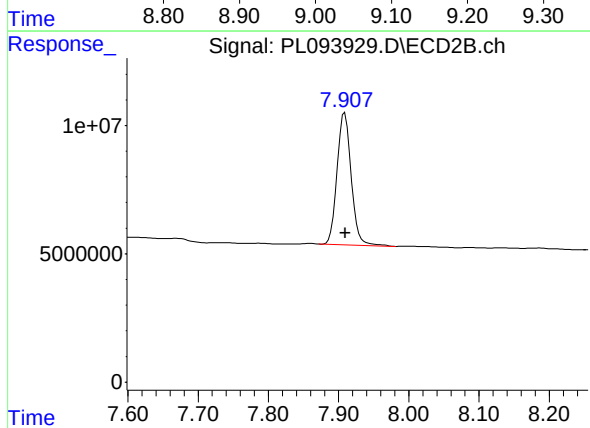
#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.002 min
Response: 43538365
Conc: 20.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/03/2025



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 71991432
Conc: 20.55 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093727.D
Acq On : 21 Jan 2025 10:43
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\PL012125.M
Title : GC Extractables
Last Update : Tue Jan 21 14:02:23 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.539	5.939	100.00%
5.939	6.068	100.00%
6.068	6.191	100.00%
6.191	6.343	100.00%
6.343	7.157	100.00%
7.157	7.499	100.00%
7.499	7.642	100.00%
7.642	9.053	100.00%

Signal #2

2.774	4.977	100.00%
4.977	5.097	100.00%
5.097	5.230	100.00%
5.230	5.361	100.00%
5.361	6.333	100.00%
6.333	6.609	100.00%
6.609	6.838	100.00%
6.838	7.910	100.00%

PL012125.M Tue Jan 21 14:11:38 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
 Data File : PL093727.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Jan 2025 10:43
 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: Jan 21 14:04:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:02:23 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.539	2.774	48739758	56764042	18.100	17.390
28) SA Decachlor...	9.053	7.910	37826748	61983547	18.082	17.689
Target Compounds						
9) A Endosulfan I	6.068	5.097	24505533	31106405	9.272	8.023
10) B gamma-Chl...	5.939	4.977	26686746	36721665	9.574	8.666
12) B 4,4'-DDE	6.191	5.230	45047667	71134812	18.503	17.742
13) MA Dieldrin	6.343	5.361	50553851	73721045	18.212	17.162
19) B Endosulfa...	7.157	6.333	42219467	62907773	18.650	17.641
20) A Methoxychlor	7.499	6.609	83993166	151.6E6	80.500	84.806
21) B Endrin ke...	7.642	6.838	44318803	70010295	17.569	16.688

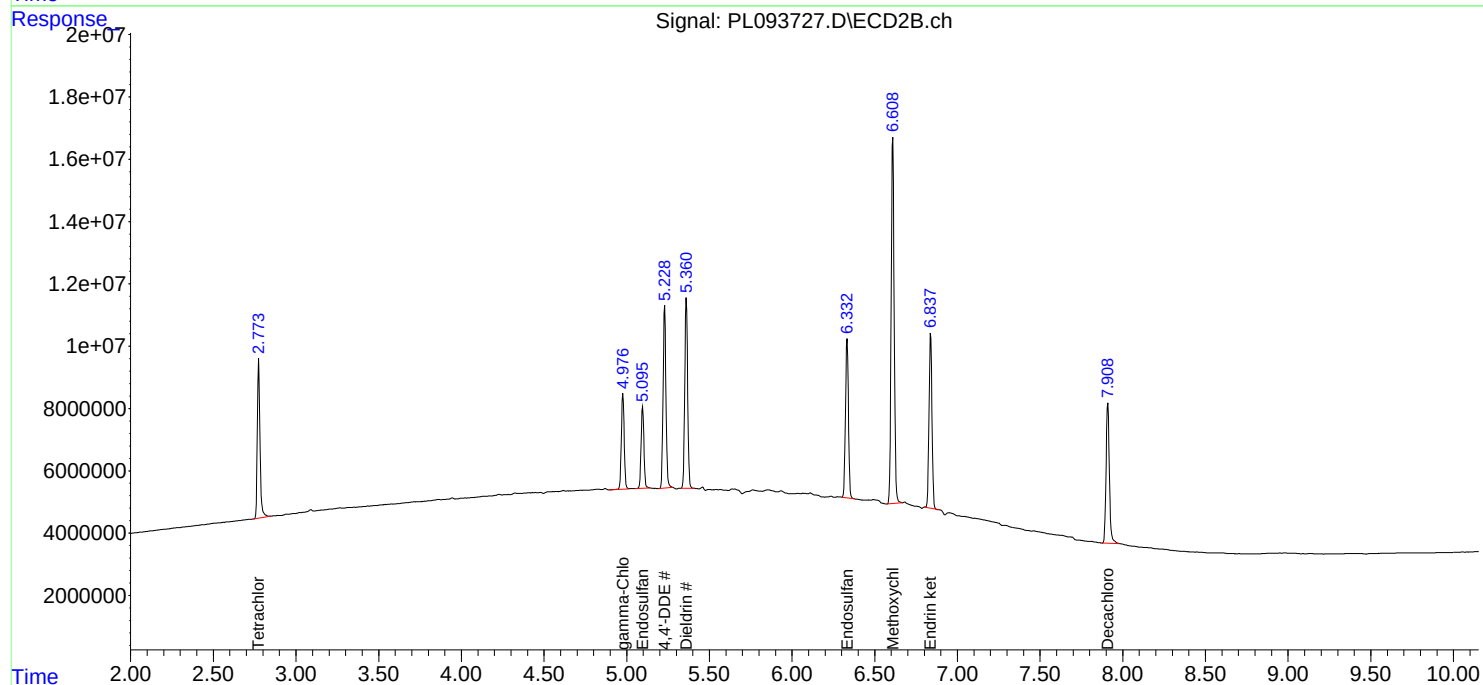
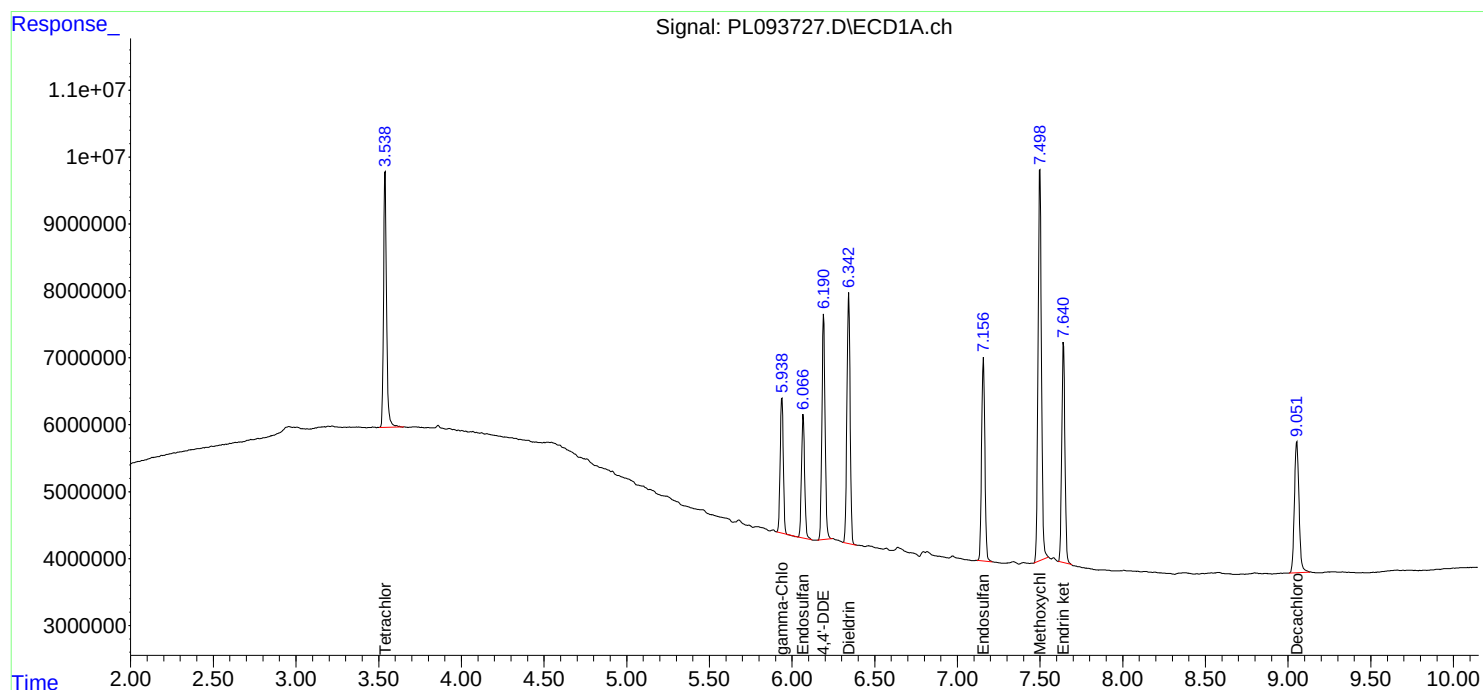
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

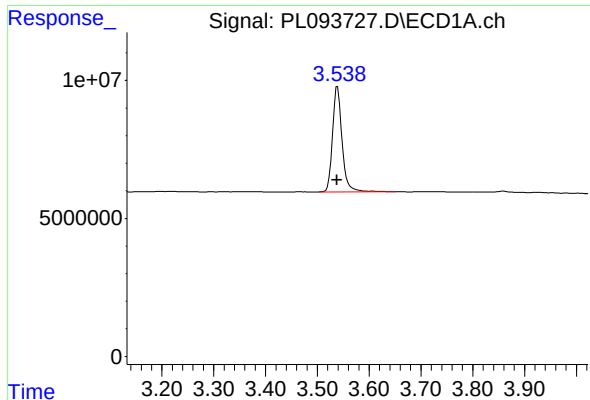
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093727.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:43
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:04:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

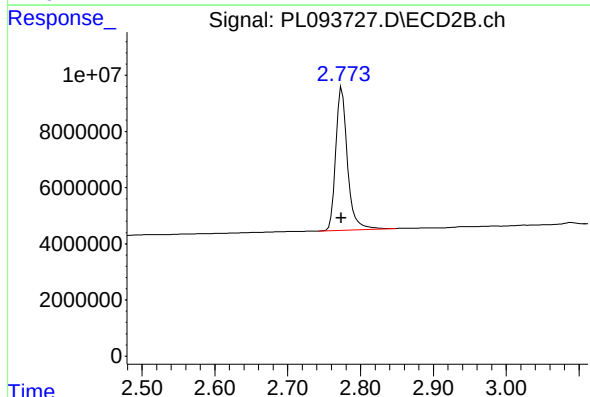




#1 Tetrachloro-m-xylene

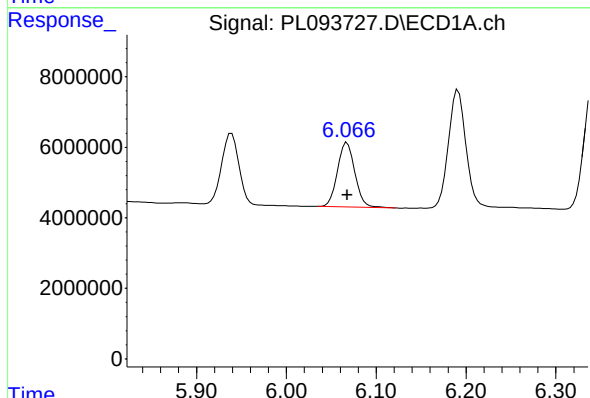
R.T.: 3.539 min
Delta R.T.: 0.001 min
Response: 48739758
Conc: 18.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



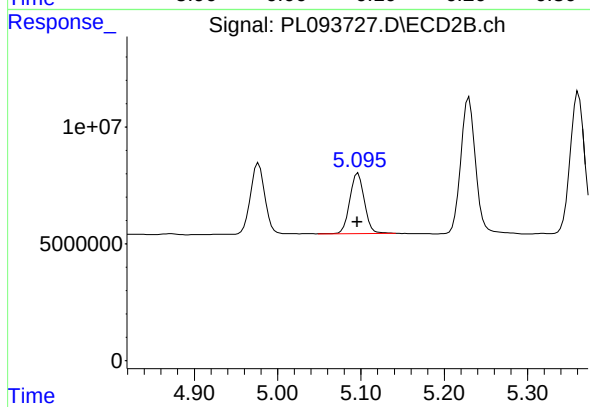
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 56764042
Conc: 17.39 ng/ml



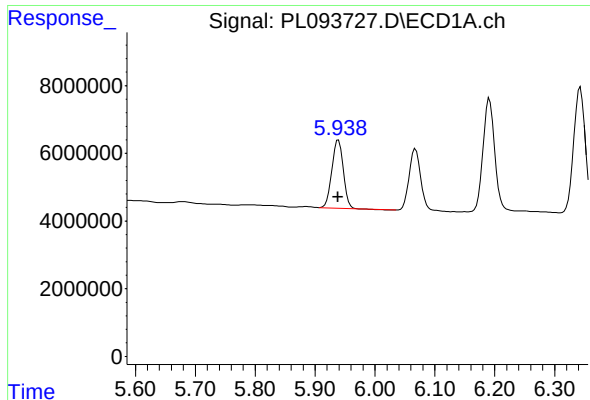
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 24505533
Conc: 9.27 ng/ml



#9 Endosulfan I

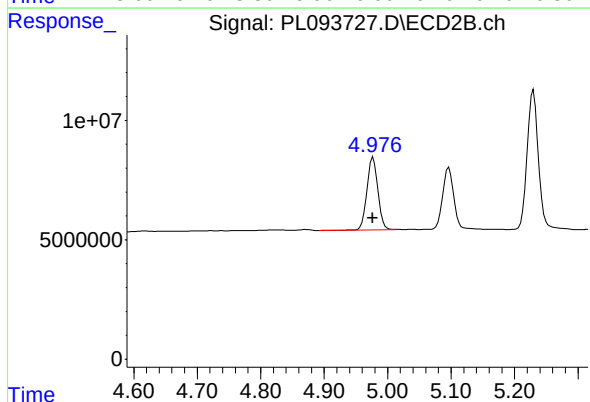
R.T.: 5.097 min
Delta R.T.: 0.000 min
Response: 31106405
Conc: 8.02 ng/ml



#10 gamma-Chlordane

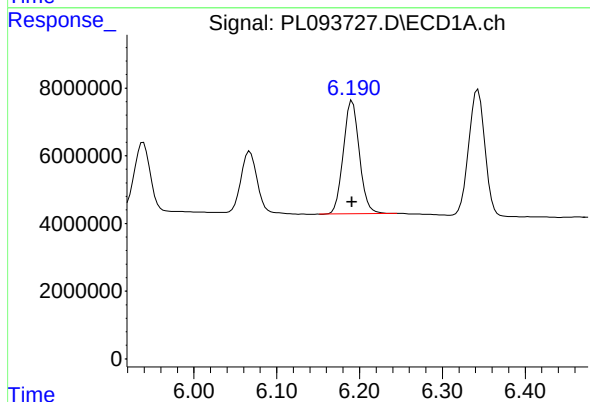
R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 26686746
Conc: 9.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



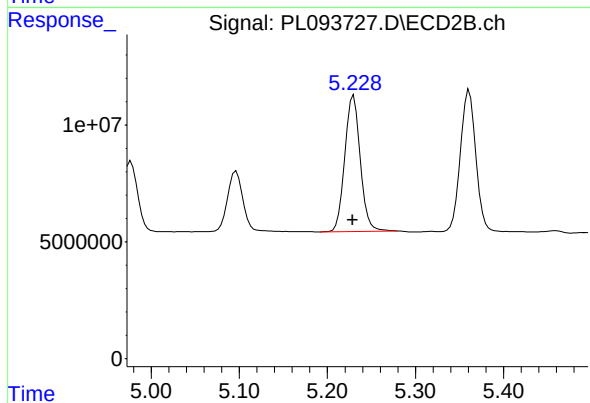
#10 gamma-Chlordane

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 36721665
Conc: 8.67 ng/ml



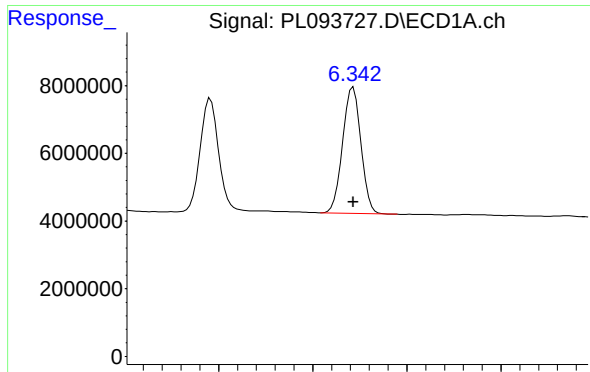
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 45047667
Conc: 18.50 ng/ml



#12 4,4'-DDE

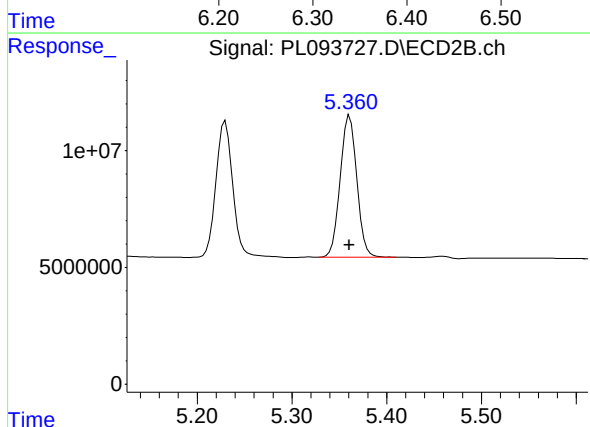
R.T.: 5.230 min
Delta R.T.: 0.001 min
Response: 71134812
Conc: 17.74 ng/ml



#13 Dieldrin

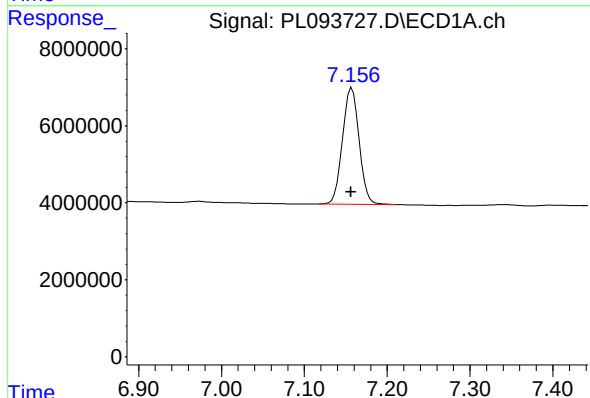
R.T.: 6.343 min
Delta R.T.: 0.000 min
Response: 50553851
Conc: 18.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



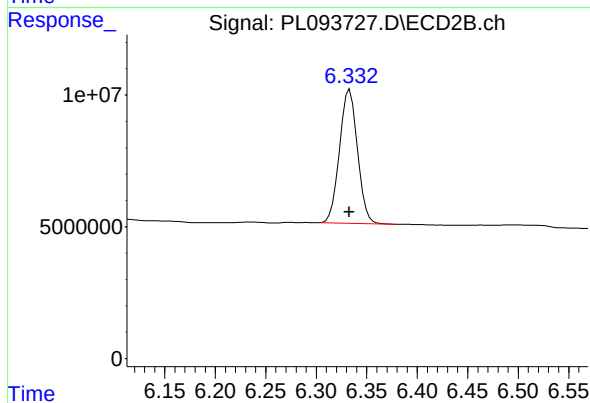
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 73721045
Conc: 17.16 ng/ml



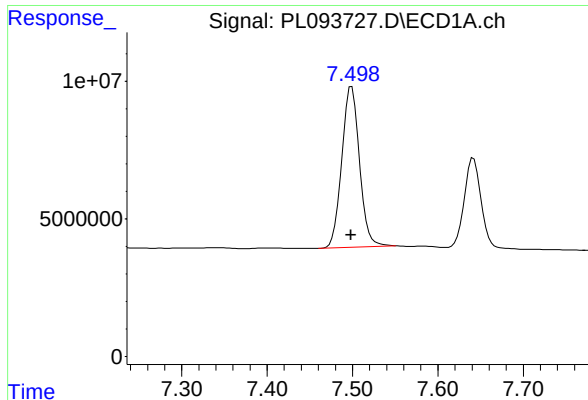
#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: 0.001 min
Response: 42219467
Conc: 18.65 ng/ml



#19 Endosulfan Sulfate

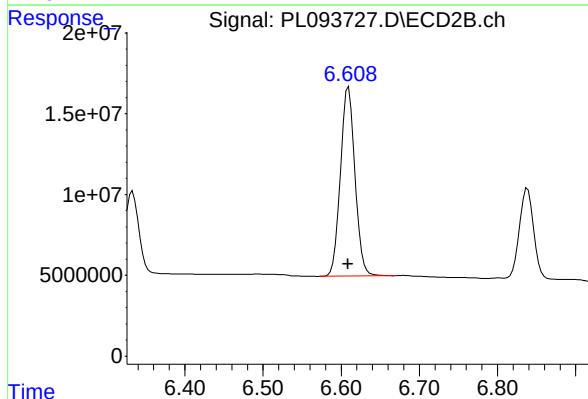
R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 62907773
Conc: 17.64 ng/ml



#20 Methoxychlor

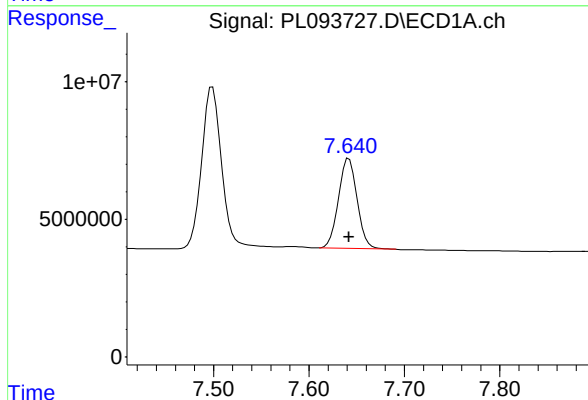
R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 83993166
Conc: 80.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



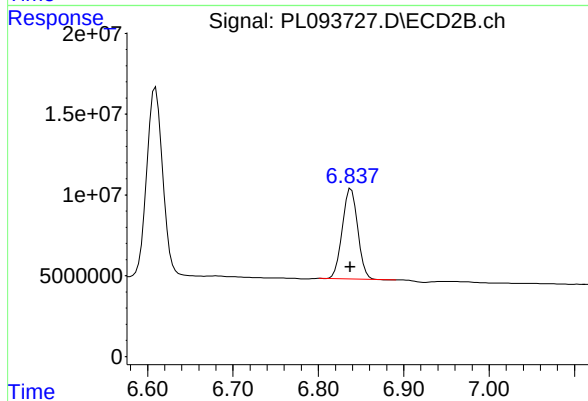
#20 Methoxychlor

R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 151645256
Conc: 84.81 ng/ml



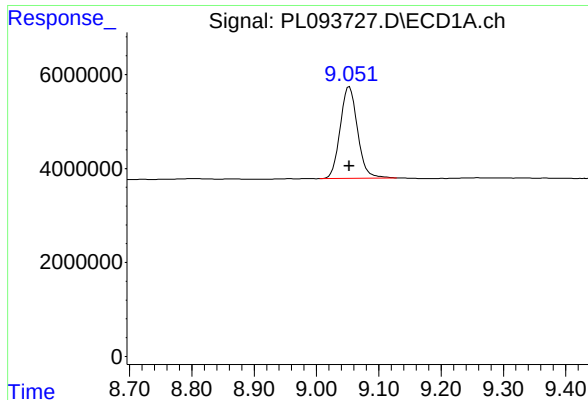
#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 44318803
Conc: 17.57 ng/ml



#21 Endrin ketone

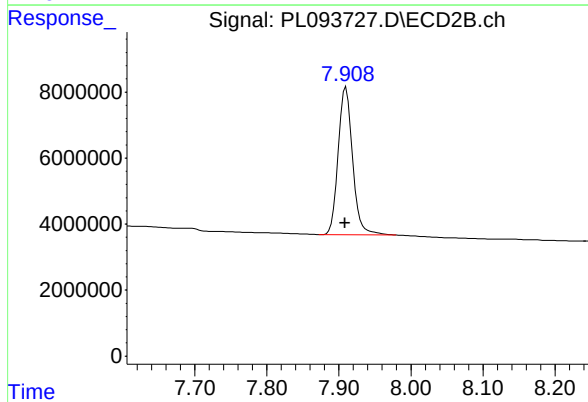
R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 70010295
Conc: 16.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 37826748
Conc: 18.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
RESCHK



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.001 min
Response: 61983547
Conc: 17.69 ng/ml

Analytical Sequence

Client: Weston Solutions	SDG No.: Q1211
Project: Ft Meade Tipton Airfield Parcel RI - PO 011	Instrument ID: ECD_L
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 01/21/2025 01/21/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	01/21/2025	10:16	PL093725.D	9.05	3.54
PEM	PEM	01/21/2025	10:30	PL093726.D	9.05	3.54
RESCHK	RESCHK	01/21/2025	10:43	PL093727.D	9.05	3.54
PSTDICCC100	PSTDICCC100	01/21/2025	10:57	PL093728.D	9.05	3.54
PSTDICCC075	PSTDICCC075	01/21/2025	11:10	PL093729.D	9.05	3.54
PSTDICCC050	PSTDICCC050	01/21/2025	11:24	PL093730.D	9.05	3.54
PSTDICCC025	PSTDICCC025	01/21/2025	11:38	PL093731.D	9.05	3.54
PSTDICCC005	PSTDICCC005	01/21/2025	11:51	PL093732.D	9.05	3.54
PCHLORICC500	PCHLORICC500	01/21/2025	12:32	PL093735.D	9.05	3.54
PTOXICC500	PTOXICC500	01/21/2025	13:39	PL093740.D	9.05	3.54
IBLK	IBLK	01/31/2025	10:51	PL093928.D	9.05	3.54
PEM	PEM	01/31/2025	11:04	PL093929.D	9.06	3.54
PSTDCCC050	PSTDCCC050	01/31/2025	11:17	PL093930.D	9.06	3.54
PB166365BL	PB166365BL	01/31/2025	12:29	PL093933.D	9.06	3.54
PB166365BS	PB166365BS	01/31/2025	13:08	PL093934.D	9.07	3.55
PB166365BSD	PB166365BSD	01/31/2025	13:22	PL093935.D	9.06	3.54
TAPHHA-MW01-012825-00-T4	Q1211-01	01/31/2025	14:02	PL093938.D	9.06	3.54
TAPIAL2-MW03-012825-00-T3	Q1211-02	01/31/2025	14:15	PL093939.D	9.06	3.54
IBLK	IBLK	01/31/2025	14:57	PL093942.D	9.06	3.54
PSTDCCC050	PSTDCCC050	01/31/2025	15:10	PL093943.D	9.06	3.54

Analytical Sequence

Client: Weston Solutions	SDG No.: Q1211
Project: Ft Meade Tipton Airfield Parcel RI - PO 011	Instrument ID: ECD_L
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 01/21/2025 01/21/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	01/21/2025	10:16	PL093725.D	7.91	2.78
PEM	PEM	01/21/2025	10:30	PL093726.D	7.91	2.78
RESCHK	RESCHK	01/21/2025	10:43	PL093727.D	7.91	2.77
PSTDICCC100	PSTDICCC100	01/21/2025	10:57	PL093728.D	7.91	2.78
PSTDICCC075	PSTDICCC075	01/21/2025	11:10	PL093729.D	7.91	2.77
PSTDICCC050	PSTDICCC050	01/21/2025	11:24	PL093730.D	7.91	2.77
PSTDICCC025	PSTDICCC025	01/21/2025	11:38	PL093731.D	7.91	2.77
PSTDICCC005	PSTDICCC005	01/21/2025	11:51	PL093732.D	7.91	2.77
PCHLORICC500	PCHLORICC500	01/21/2025	12:32	PL093735.D	7.91	2.77
PTOXICC500	PTOXICC500	01/21/2025	13:39	PL093740.D	7.91	2.77
IBLK	IBLK	01/31/2025	10:51	PL093928.D	7.91	2.77
PEM	PEM	01/31/2025	11:04	PL093929.D	7.91	2.77
PSTDCCC050	PSTDCCC050	01/31/2025	11:17	PL093930.D	7.91	2.77
PB166365BL	PB166365BL	01/31/2025	12:29	PL093933.D	7.91	2.77
PB166365BS	PB166365BS	01/31/2025	13:08	PL093934.D	7.91	2.77
PB166365BSD	PB166365BSD	01/31/2025	13:22	PL093935.D	7.91	2.77
TAPHHA-MW01-012825-00-T4	Q1211-01	01/31/2025	14:02	PL093938.D	7.91	2.78
TAPIAL2-MW03-012825-00-T3	Q1211-02	01/31/2025	14:15	PL093939.D	7.91	2.77
IBLK	IBLK	01/31/2025	14:57	PL093942.D	7.91	2.77
PSTDCCC050	PSTDCCC050	01/31/2025	15:10	PL093943.D	7.91	2.77

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166365BS

Contract: WEST04

Lab Code: CHEM

Case No.: Q1211

SAS No.: Q1211

SDG NO.: Q1211

Lab Sample ID: PB166365BS

Date(s) Analyzed: 01/31/2025

01/31/2025

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	0.53	1.2
	2	5.79	5.74	5.84	0.52	
4,4'-DDE	1	6.20	6.15	6.25	0.50	2.9
	2	5.23	5.18	5.28	0.49	
4,4'-DDT	1	7.03	6.98	7.08	0.54	1.5
	2	6.04	5.99	6.09	0.53	
alpha-BHC	1	4.00	3.95	4.05	0.45	4.5
	2	3.28	3.23	3.33	0.43	
Aldrin	1	5.27	5.22	5.32	0.45	4.5
	2	4.23	4.18	4.28	0.43	
alpha-Chlordane	1	6.03	5.98	6.08	0.47	0.3
	2	5.04	4.99	5.09	0.47	
Endosulfan II	1	6.80	6.75	6.85	0.46	3.8
	2	5.93	5.88	5.98	0.48	
Endosulfan sulfate	1	7.17	7.12	7.22	0.46	5.5
	2	6.34	6.29	6.39	0.49	
beta-BHC	1	4.53	4.48	4.58	0.45	0.8
	2	3.91	3.86	3.96	0.45	
delta-BHC	1	4.78	4.73	4.83	0.46	7.3
	2	4.14	4.09	4.19	0.43	
Endosulfan I	1	6.08	6.03	6.13	0.46	0
	2	5.10	5.05	5.15	0.46	
Dieldrin	1	6.35	6.30	6.40	0.46	0.2
	2	5.36	5.31	5.41	0.46	
Endrin aldehyde	1	6.93	6.88	6.98	0.46	1
	2	6.11	6.06	6.16	0.46	
Methoxychlor	1	7.51	7.46	7.56	0.52	0.1
	2	6.61	6.56	6.66	0.52	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166365BS

Contract: WEST04

Lab Code: CHEM

Case No.: Q1211

SAS No.: Q1211

SDG NO.: Q1211

Lab Sample ID: PB166365BS

Date(s) Analyzed: 01/31/2025

01/31/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin ketone	1	7.65	7.60	7.70	0.46	2.5
	2	6.84	6.79	6.89	0.47	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	0.44	3.5
	2	3.61	3.56	3.66	0.42	
Heptachlor	1	4.92	4.87	4.97	0.49	6.6
	2	3.95	3.90	4.00	0.45	
Heptachlor epoxide	1	5.69	5.64	5.74	0.44	1.6
	2	4.73	4.68	4.78	0.45	
gamma-Chlordane	1	5.95	5.90	6.00	0.47	2.2
	2	4.98	4.93	5.03	0.48	
Endrin	1	6.58	6.53	6.63	0.48	4.6
	2	5.64	5.59	5.69	0.50	
Mirex	1	8.12	8.07	8.17	0.42	4.1
	2	7.02	6.97	7.07	0.44	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166365BSD

Contract: WEST04

Lab Code: CHEM

Case No.: Q1211

SAS No.: Q1211

SDG NO.: Q1211

Lab Sample ID: PB166365BSD

Date(s) Analyzed: 01/31/2025

01/31/2025

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	6.80	6.75	6.85	0.48	3.6
	2	5.93	5.88	5.98	0.49	
4,4'-DDD	1	6.71	6.66	6.76	0.52	0.5
	2	5.79	5.74	5.84	0.52	
4,4'-DDT	1	7.03	6.98	7.08	0.54	0.2
	2	6.04	5.99	6.09	0.54	
Endrin aldehyde	1	6.93	6.88	6.98	0.46	1.6
	2	6.11	6.06	6.16	0.47	
Endosulfan sulfate	1	7.16	7.11	7.21	0.46	6.5
	2	6.34	6.29	6.39	0.50	
Methoxychlor	1	7.50	7.45	7.55	0.53	0.6
	2	6.61	6.56	6.66	0.53	
Endrin ketone	1	7.65	7.60	7.70	0.46	3.7
	2	6.84	6.79	6.89	0.48	
alpha-BHC	1	4.00	3.95	4.05	0.46	2.3
	2	3.28	3.23	3.33	0.45	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.46	3.6
	2	3.61	3.56	3.66	0.44	
Heptachlor	1	4.92	4.87	4.97	0.50	5
	2	3.95	3.90	4.00	0.47	
Aldrin	1	5.26	5.21	5.31	0.46	2.8
	2	4.23	4.18	4.28	0.45	
beta-BHC	1	4.53	4.48	4.58	0.48	1.8
	2	3.91	3.86	3.96	0.47	
delta-BHC	1	4.78	4.73	4.83	0.47	4.7
	2	4.14	4.09	4.19	0.45	
Heptachlor epoxide	1	5.69	5.64	5.74	0.46	2.7
	2	4.73	4.68	4.78	0.47	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166365BSD

Contract: WEST04

Lab Code: CHEM Case No.: Q1211

SAS No.: Q1211 SDG NO.: Q1211

Lab Sample ID: PB166365BSD

Date(s) Analyzed: 01/31/2025 01/31/2025

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	0.47	0.2
	2	5.10	5.05	5.15	0.47	
gamma-Chlordane	1	5.94	5.89	5.99	0.48	2
	2	4.98	4.93	5.03	0.49	
alpha-Chlordane	1	6.02	5.97	6.07	0.48	1.2
	2	5.04	4.99	5.09	0.48	
4,4'-DDE	1	6.20	6.15	6.25	0.51	1.5
	2	5.23	5.18	5.28	0.50	
Dieldrin	1	6.35	6.30	6.40	0.47	1.3
	2	5.36	5.31	5.41	0.48	
Endrin	1	6.58	6.53	6.63	0.48	7.3
	2	5.64	5.59	5.69	0.52	
Mirex	1	8.12	8.07	8.17	0.42	4.4
	2	7.02	6.97	7.07	0.44	



QC SAMPLE DATA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
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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:	PB166365BL	SDG No.:	Q1211
Lab Sample ID:	PB166365BL	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
PL093933.D	1	01/30/25 09:25	01/31/25 12:29	PB166365

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	20.7		30 - 135		104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		44 - 124		96%	SPK: 20

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	PB166365BL	SDG No.:	Q1211
Lab Sample ID:	PB166365BL	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
PL093933.D	1	01/30/25 09:25	01/31/25 12:29	PB166365

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\PL013125\
Data File : PL093933.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 12:29
Operator : AR\AJ
Sample : PB166365BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166365BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 00:24:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.544	2.774	51870272	58666922	19.263	17.973
28) SA Decachlor...	9.064	7.913	43361253	69954252	20.728	19.964

Target Compounds

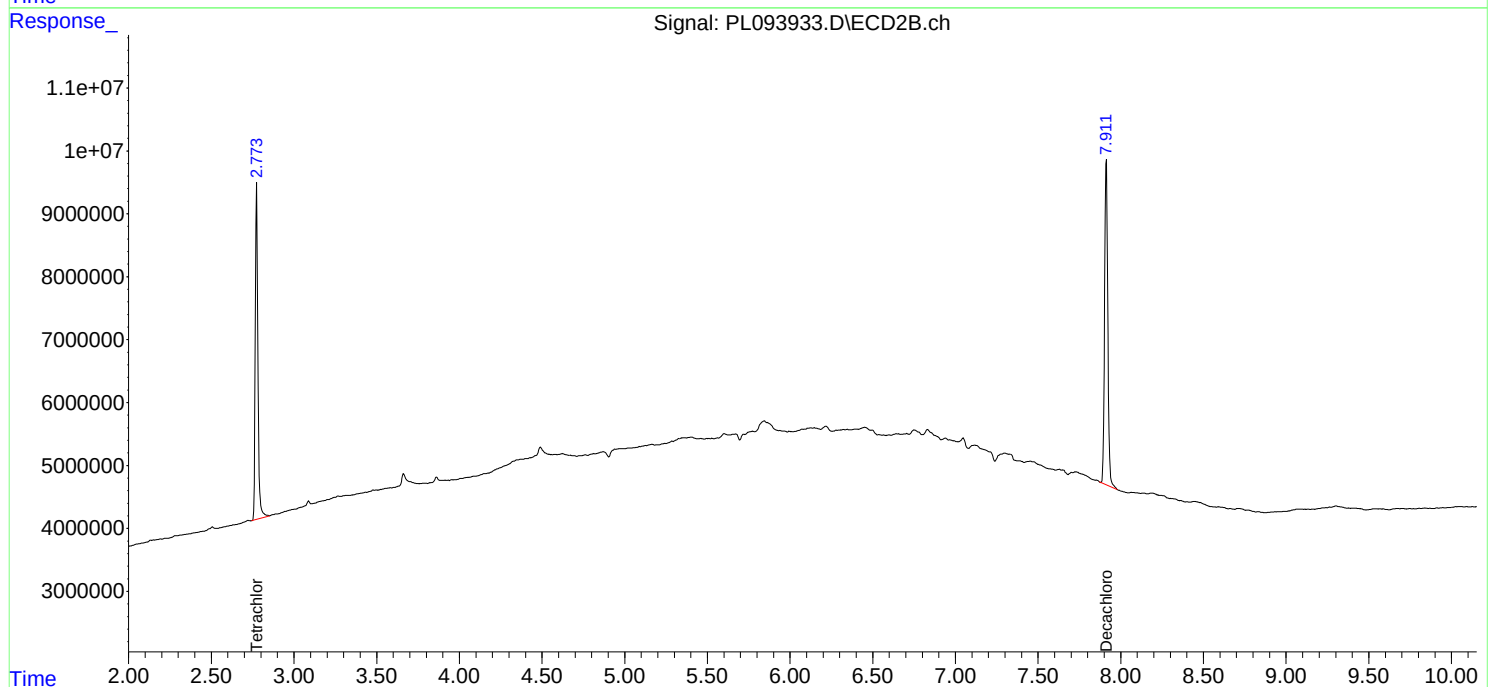
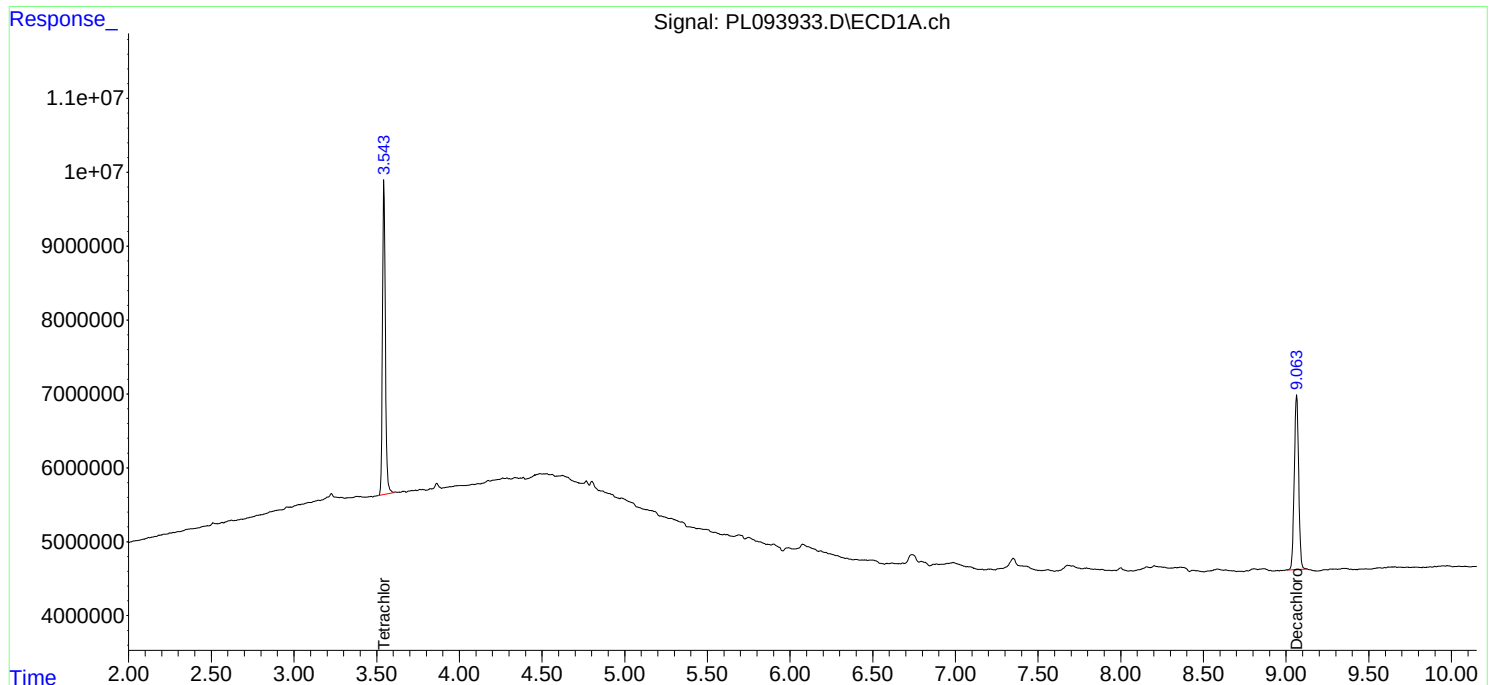
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

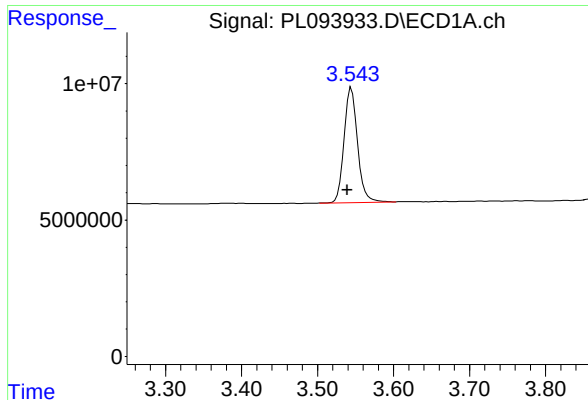
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093933.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 12:29
Operator : AR\AJ
Sample : PB166365BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166365BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 00:24:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

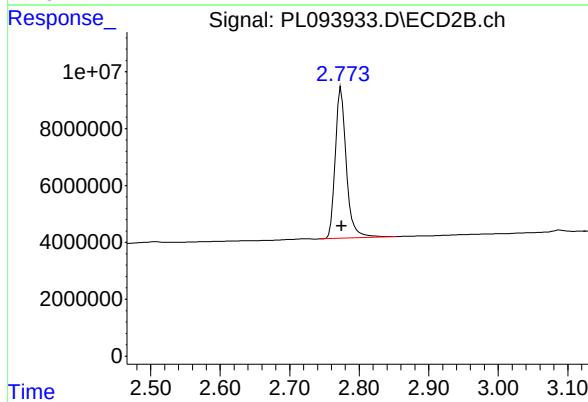




#1 Tetrachloro-m-xylene

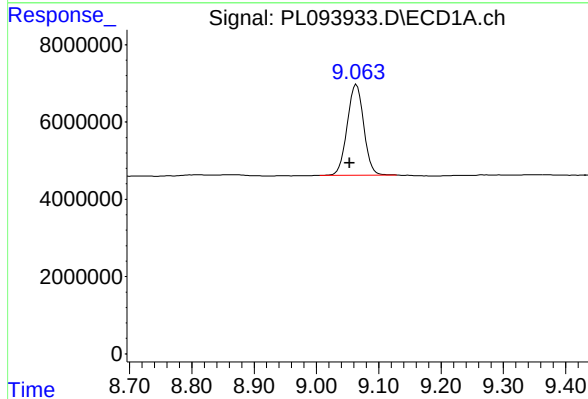
R.T.: 3.544 min
Delta R.T.: 0.005 min
Response: 51870272
Conc: 19.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BL



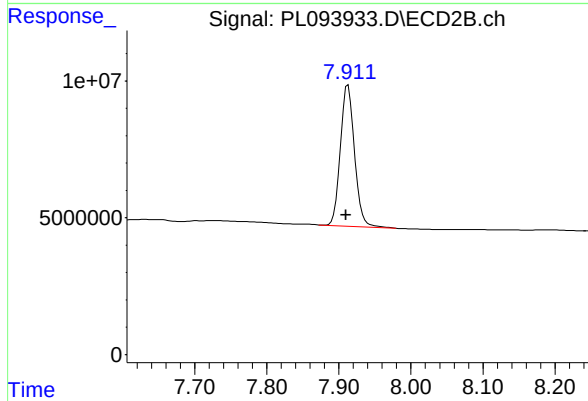
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 58666922
Conc: 17.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: 0.011 min
Response: 43361253
Conc: 20.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: 0.003 min
Response: 69954252
Conc: 19.96 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	01/21/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/21/25
Client Sample ID:	PIBLK-PL093725.D	SDG No.:	Q1211
Lab Sample ID:	I.BLK-PL093725.D	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	Injection Volume :	
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093725.D	1		01/21/25	PL012125

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	22.1		30 - 135		111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.8		44 - 124		104%	SPK: 20

Report of Analysis

Client:	Weston Solutions		Date Collected:	01/21/25	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169		Date Received:	01/21/25	
Client Sample ID:	PIBLK-PL093725.D		SDG No.:	Q1211	
Lab Sample ID:	I.BLK-PL093725.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
PL093725.D	1		01/21/25	PL012125

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\PL012125\
Data File : PL093725.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:16
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 21 14:04:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.539	2.775	55919553	66932258	20.767	20.505
28) SA Decachlor...	9.052	7.909	46293108	76642664	22.130	21.872

Target Compounds

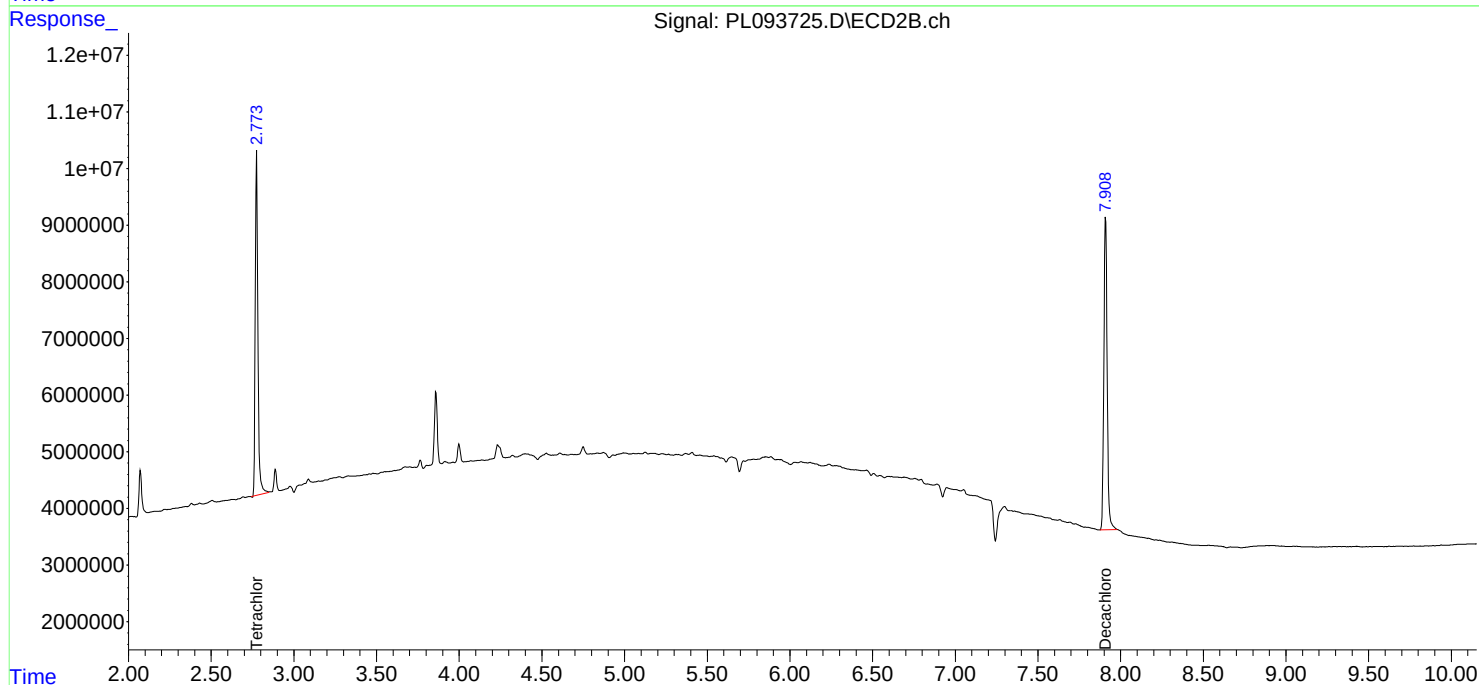
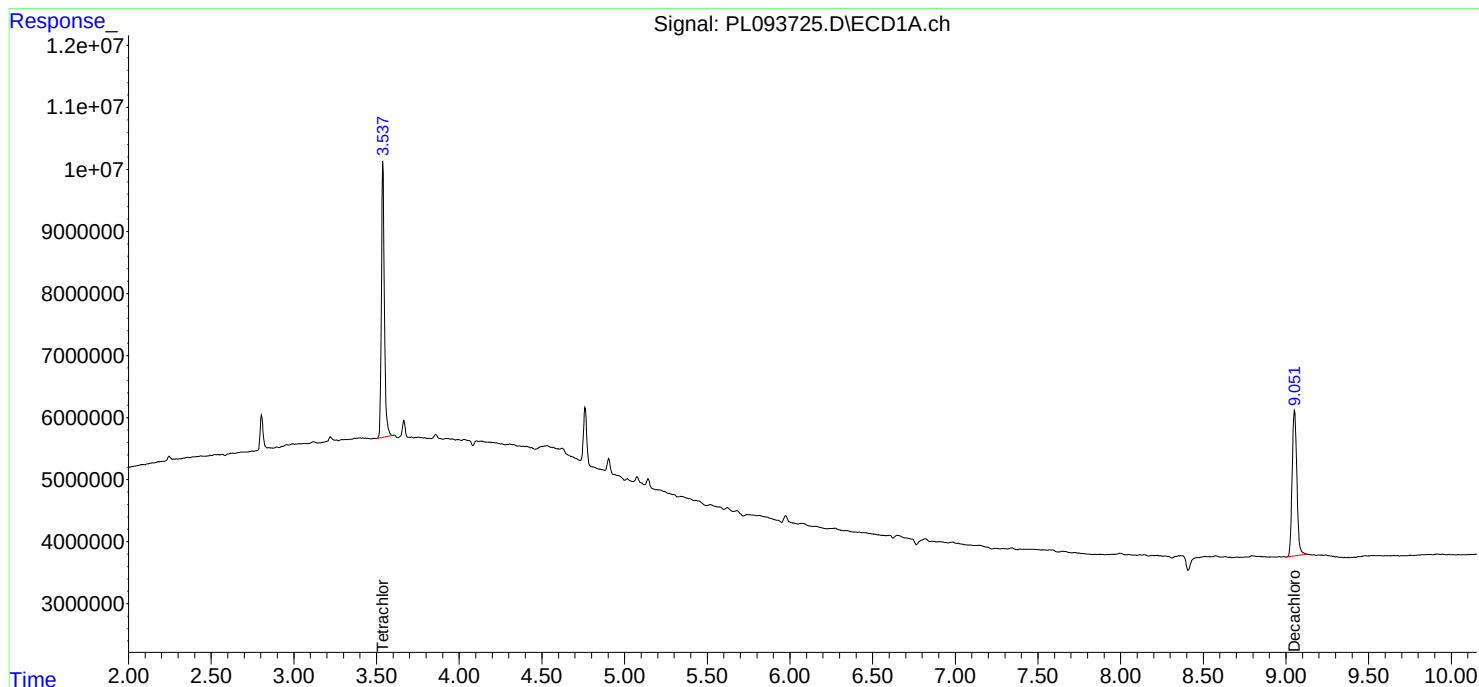
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

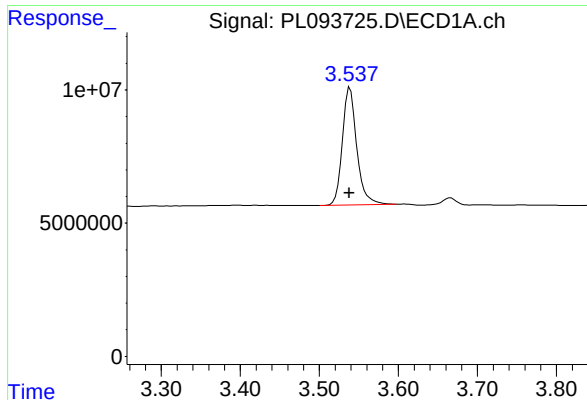
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093725.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:16
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:04:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

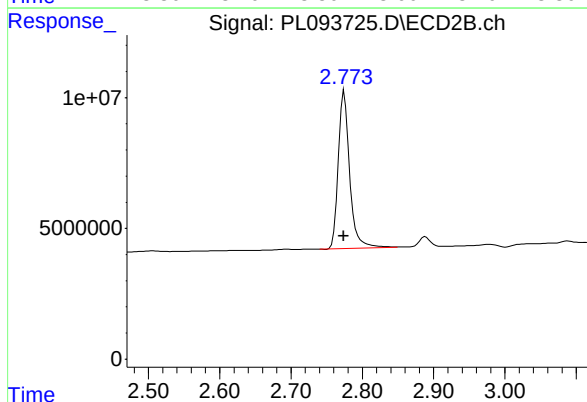




#1 Tetrachloro-m-xylene

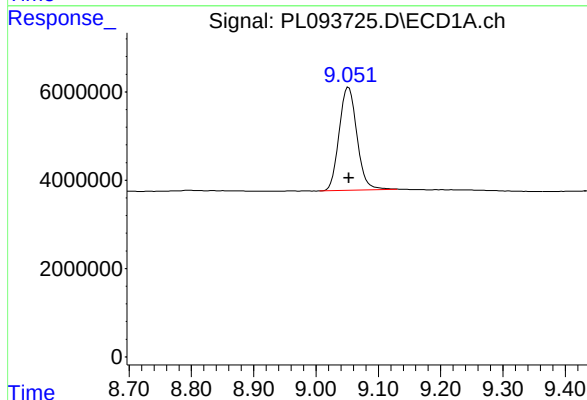
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 55919553
Conc: 20.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



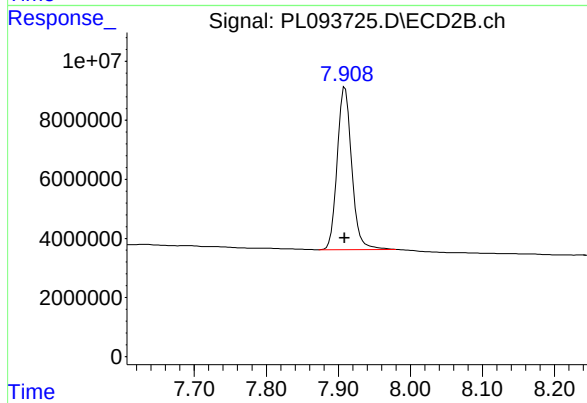
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.000 min
Response: 66932258
Conc: 20.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 46293108
Conc: 22.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 76642664
Conc: 21.87 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	01/31/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/31/25
Client Sample ID:	PIBLK-PL093928.D	SDG No.:	Q1211
Lab Sample ID:	I.BLK-PL093928.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
PL093928.D	1		01/31/25	pl013125

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	20.6		30 - 135		103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.1		44 - 124		106%	SPK: 20

Report of Analysis

Client:	Weston Solutions		Date Collected:	01/31/25	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169		Date Received:	01/31/25	
Client Sample ID:	PIBLK-PL093928.D		SDG No.:	Q1211	
Lab Sample ID:	I.BLK-PL093928.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
PL093928.D	1		01/31/25	pl013125

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\PL013125\
Data File : PL093928.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 10:51
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: Feb 01 00:23:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.537	2.773	56869031	64496193	21.119	19.759
28) SA Decachlor...	9.053	7.909	43185846	71542365	20.644	20.417

Target Compounds

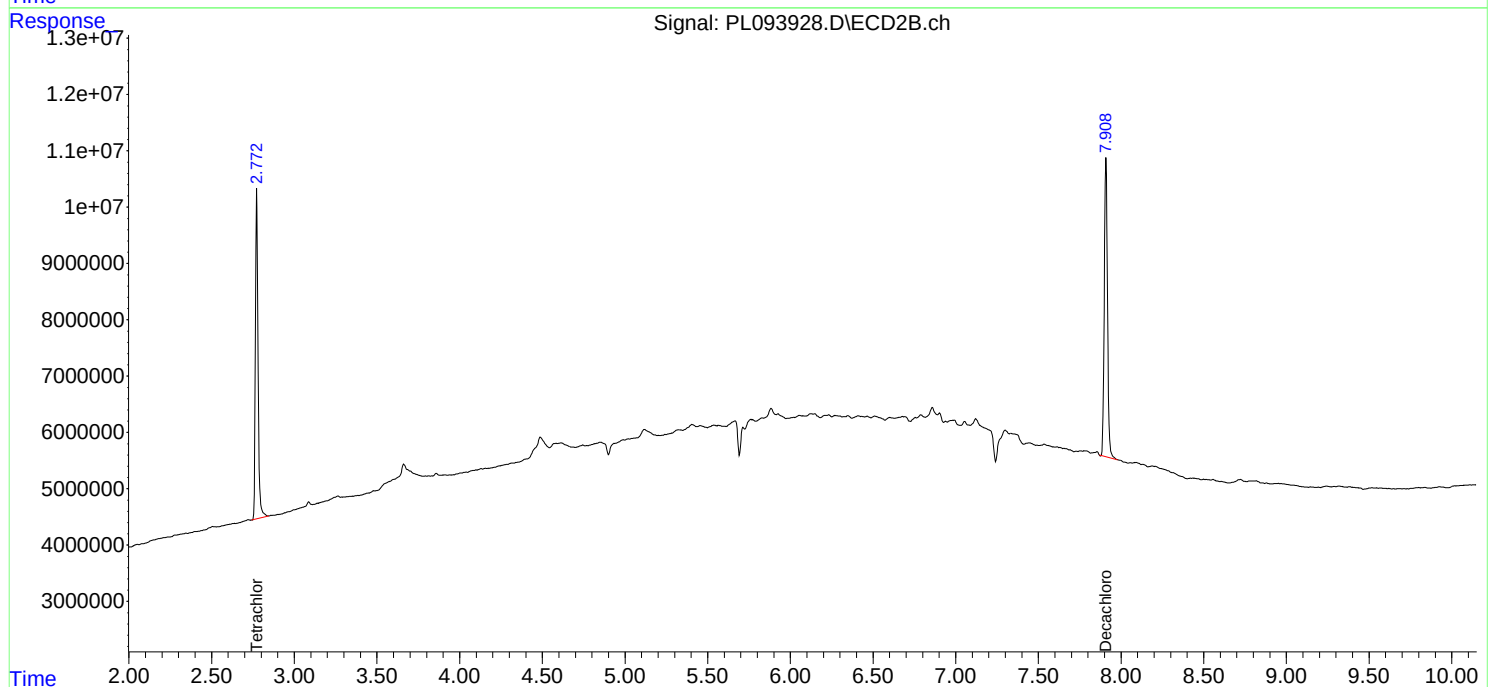
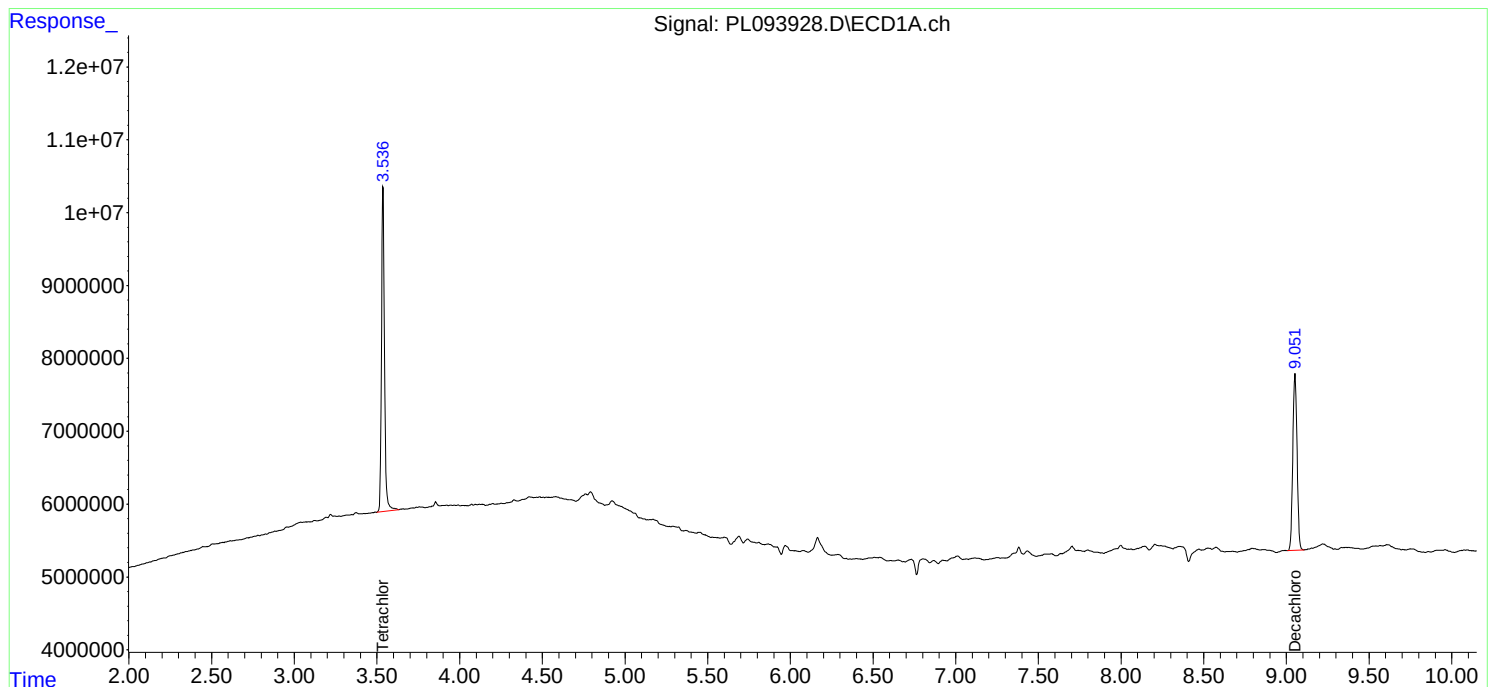
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

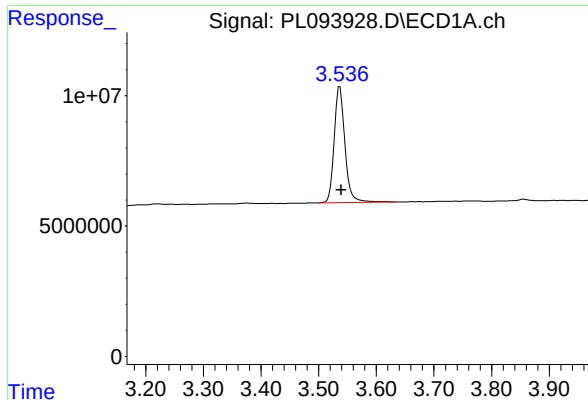
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093928.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 10:51
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 00:23:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

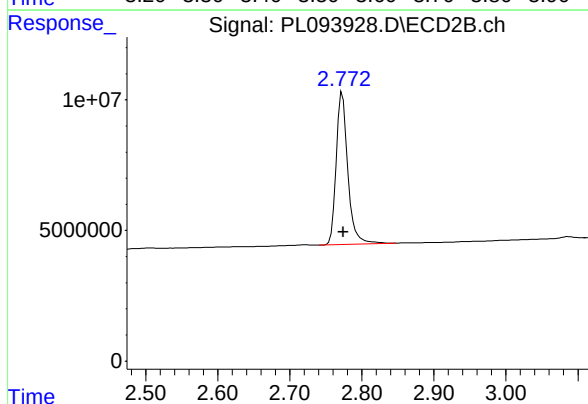




#1 Tetrachloro-m-xylene

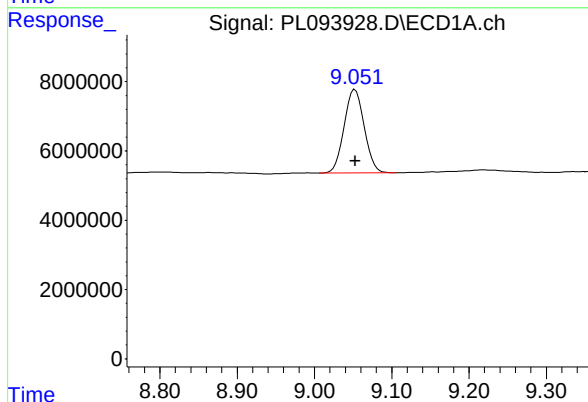
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 56869031
Conc: 21.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



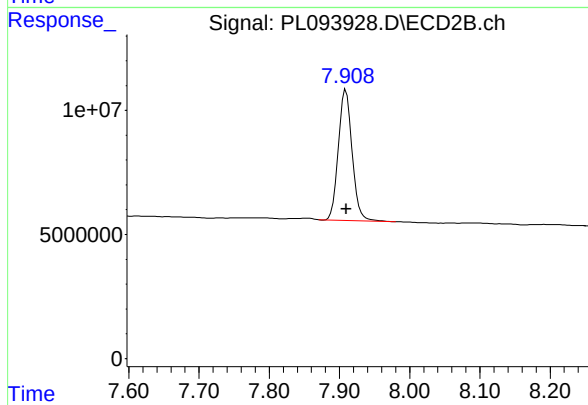
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: -0.001 min
Response: 64496193
Conc: 19.76 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 43185846
Conc: 20.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 71542365
Conc: 20.42 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	01/31/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/31/25
Client Sample ID:	PIBLK-PL093942.D	SDG No.:	Q1211
Lab Sample ID:	I.BLK-PL093942.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
PL093942.D	1		01/31/25	pl013125

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	21.7		44 - 124		109%	SPK: 20

Report of Analysis

Client:	Weston Solutions	Date Collected:	01/31/25
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	01/31/25
Client Sample ID:	PIBLK-PL093942.D	SDG No.:	Q1211
Lab Sample ID:	I.BLK-PL093942.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
PL093942.D	1		01/31/25	pl013125

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\PL013125\
Data File : PL093942.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 14:57
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: Feb 01 00:27:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.537	2.773	58455331	65748686	21.708	20.143
28) SA Decachlor...	9.056	7.910	47390121	78106190	22.654	22.290

Target Compounds

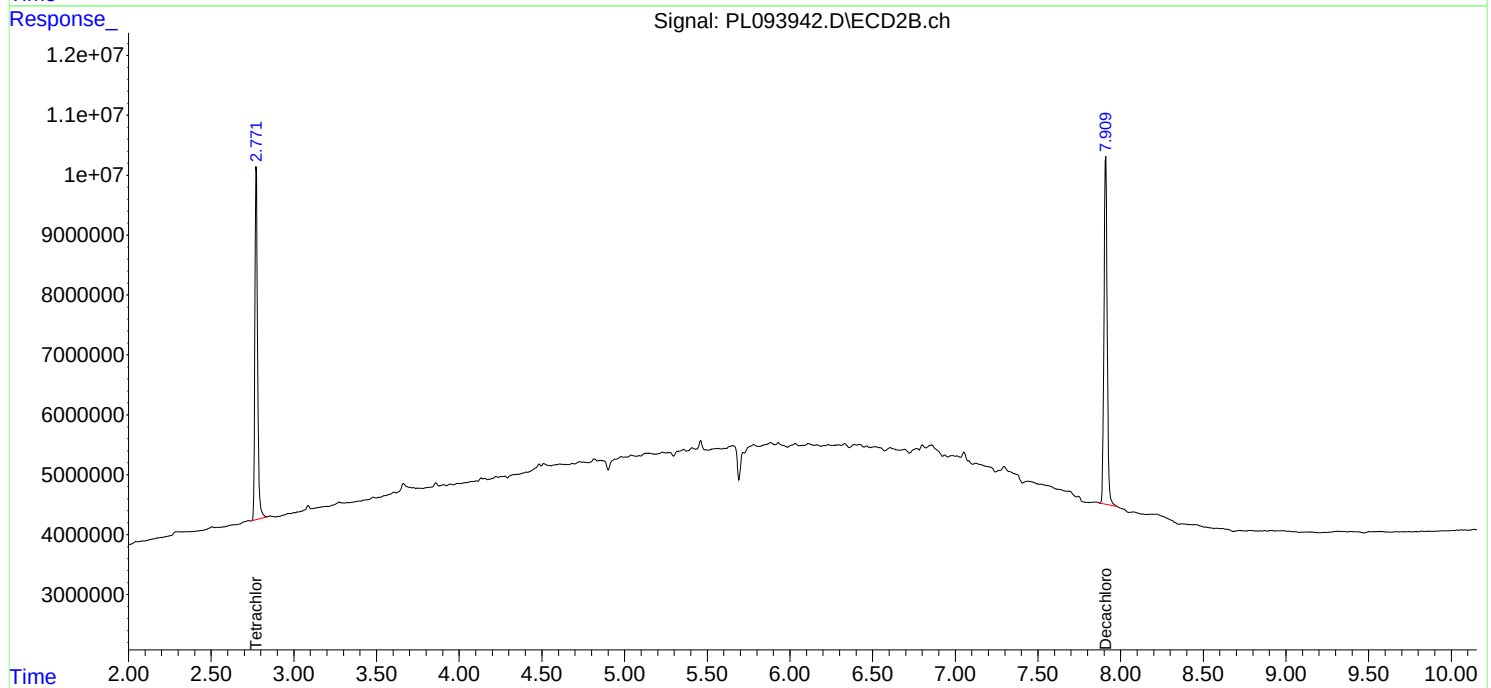
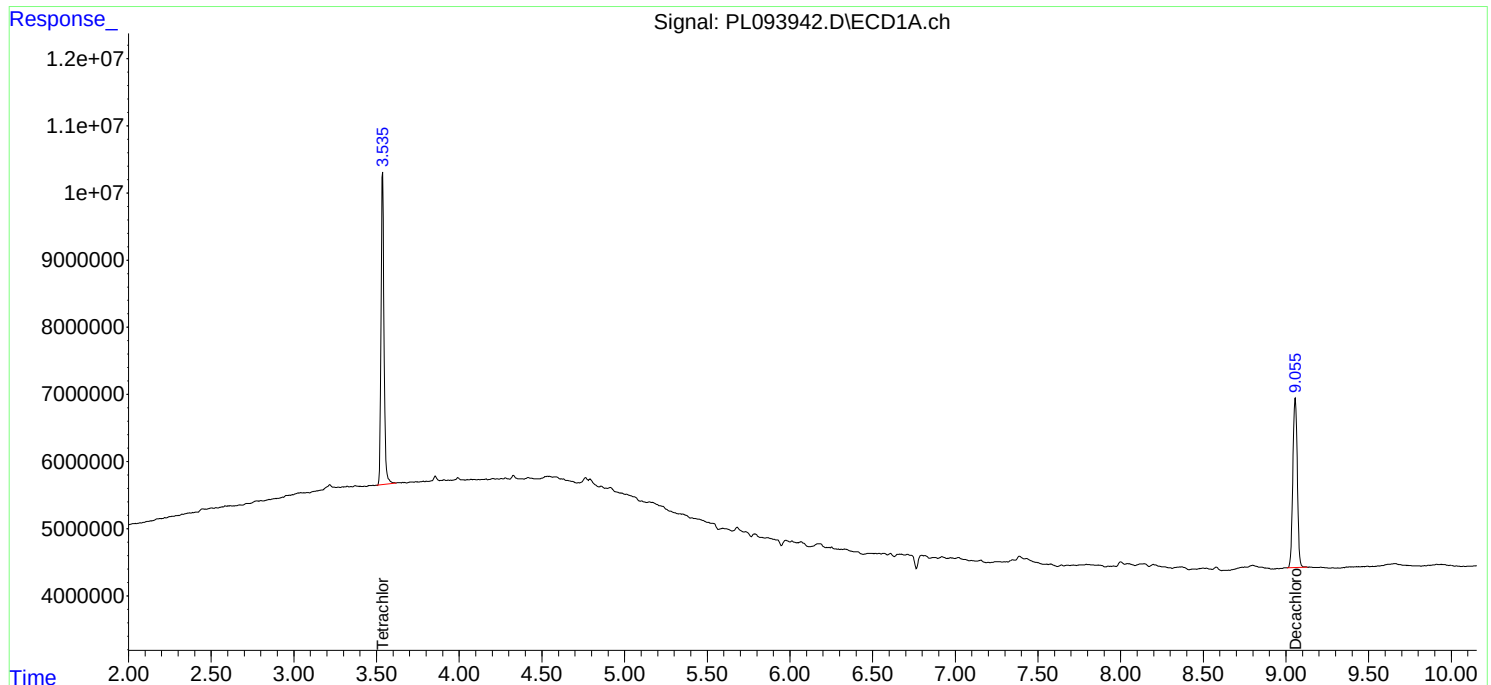
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

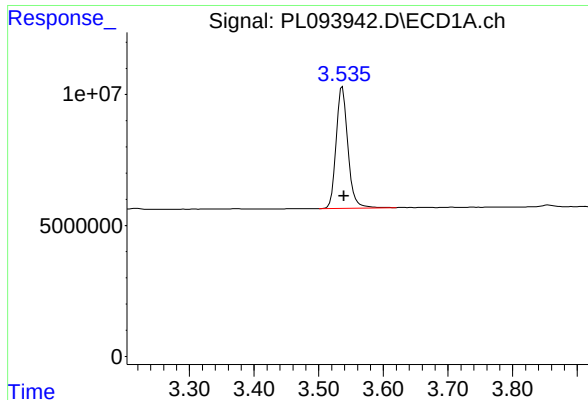
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093942.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 14:57
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 00:27:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

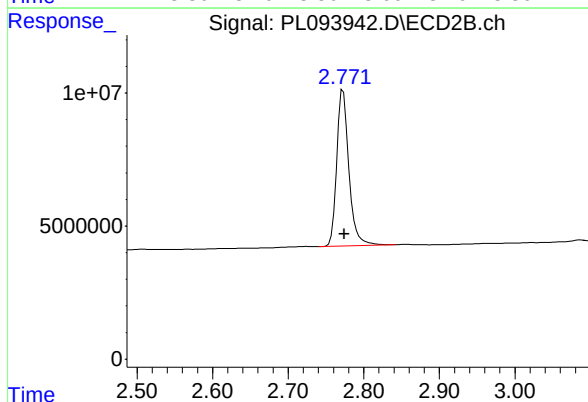




#1 Tetrachloro-m-xylene

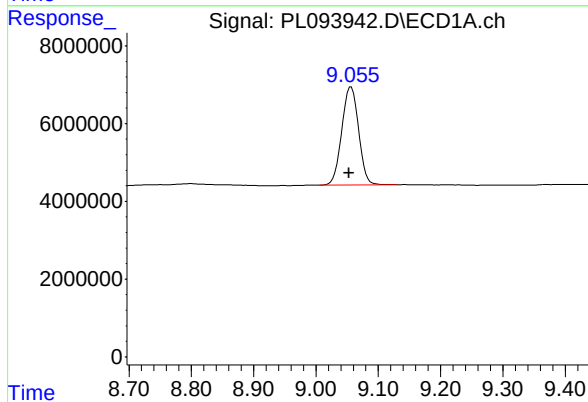
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 58455331
Conc: 21.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



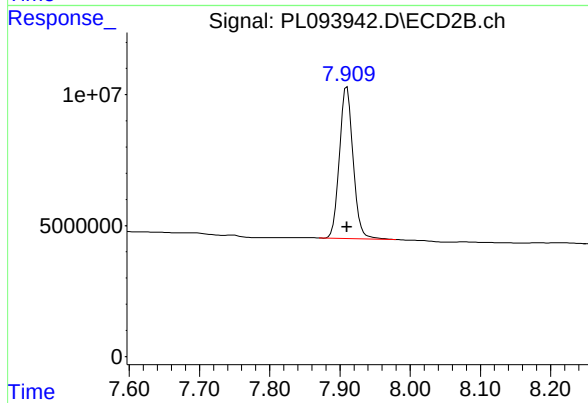
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: -0.002 min
Response: 65748686
Conc: 20.14 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.004 min
Response: 47390121
Conc: 22.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 78106190
Conc: 22.29 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	PB166365BS	SDG No.:	Q1211
Lab Sample ID:	PB166365BS	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
PL093934.D	1	01/30/25 09:25	01/31/25 13:08	PB166365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.45		0.0061	0.025	0.050	ug/L
319-85-7	beta-BHC	0.45		0.014	0.025	0.050	ug/L
319-86-8	delta-BHC	0.46		0.015	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.44		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	0.45		0.0044	0.025	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.45		0.0090	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.46		0.0050	0.025	0.050	ug/L
60-57-1	Dieldrin	0.46		0.0047	0.025	0.050	ug/L
72-55-9	4,4-DDE	0.50		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	0.48		0.0075	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.53		0.0092	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.49		0.0035	0.025	0.050	ug/L
50-29-3	4,4-DDT	0.54		0.0044	0.025	0.050	ug/L
72-43-5	Methoxychlor	0.52		0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.47		0.0097	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.46		0.0099	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.47		0.0060	0.025	0.050	ug/L
5103-74-2	gamma-Chlordane	0.48		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	0.44		0.0041	0.025	0.050	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.8		30 - 135		109%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		44 - 124		100%	SPK: 20

Report of Analysis

Client:	Weston Solutions		Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169		Date Received:	
Client Sample ID:	PB166365BS		SDG No.:	Q1211
Lab Sample ID:	PB166365BS		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
PL093934.D	1	01/30/25 09:25	01/31/25 13:08	PB166365

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\PL013125\
 Data File : PL093934.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Jan 2025 13:08
 Operator : AR\AJ
 Sample : PB166365BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB166365BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 01 00:24:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.546	2.774	53968263	59646399	20.042	18.273
28)	SA Decachlor...	9.065	7.914	45497159	76022014	21.749	21.695
Target Compounds							
2)	A alpha-BHC	4.002	3.277	172.3E6	210.1E6	44.952	42.981
3)	MA gamma-BHC...	4.335	3.607	161.7E6	200.9E6	43.903	42.381
4)	MA Heptachlor	4.923	3.946	159.1E6	211.6E6	48.540	45.453
5)	MB Aldrin	5.265	4.226	146.7E6	195.4E6	44.822	42.834
6)	B beta-BHC	4.534	3.908	71635710	89736904	44.568	44.926
7)	B delta-BHC	4.781	4.136	160.7E6	202.4E6	45.839	42.603
8)	B Heptachlo...	5.692	4.729	132.3E6	188.9E6	44.476	45.180
9)	A Endosulfan I	6.077	5.099	121.8E6	178.7E6	46.098	46.085
10)	B gamma-Chl...	5.947	4.979	130.3E6	202.5E6	46.739	47.776
11)	B alpha-Chl...	6.027	5.043	131.2E6	196.3E6	47.042	46.893
12)	B 4,4'-DDE	6.201	5.232	122.1E6	195.3E6	50.143	48.716
13)	MA Dieldrin	6.352	5.363	129.0E6	199.2E6	46.469	46.363
14)	MA Endrin	6.582	5.639	112.2E6	185.0E6	47.853	50.102
15)	B Endosulfa...	6.802	5.934	112.0E6	178.9E6	46.466	48.290
16)	A 4,4'-DDD	6.718	5.787	99970579	164.0E6	52.601	51.946
17)	MA 4,4'-DDT	7.032	6.037	106.1E6	172.5E6	53.806	52.999
18)	B Endrin al...	6.932	6.114	88759387	140.5E6	45.657	46.131
19)	B Endosulfa...	7.166	6.336	104.2E6	173.6E6	46.045	48.672
20)	A Methoxychlor	7.508	6.613	54273854	93085620	52.017	52.057
21)	B Endrin ke...	7.651	6.842	116.0E6	197.9E6	46.001	47.181
22)	Mirex	8.124	7.022	87328063	147.7E6	41.934	43.674

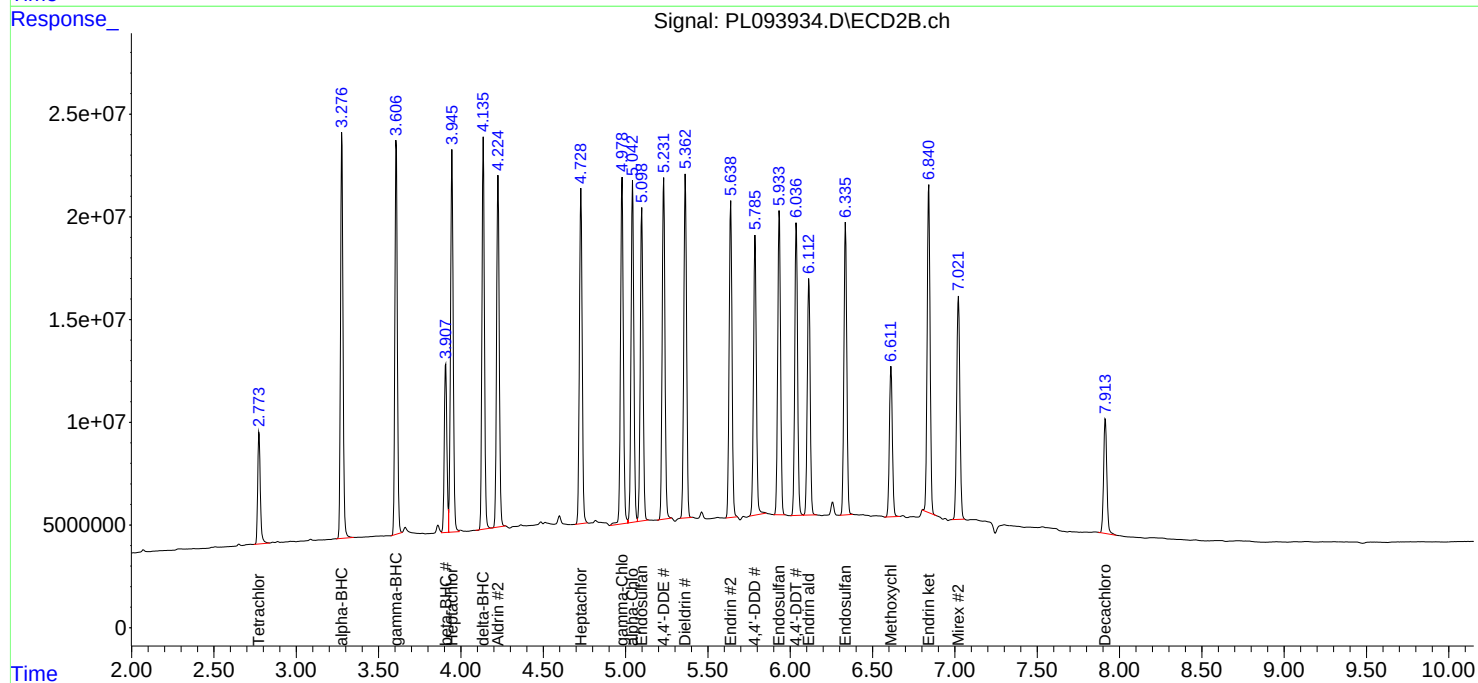
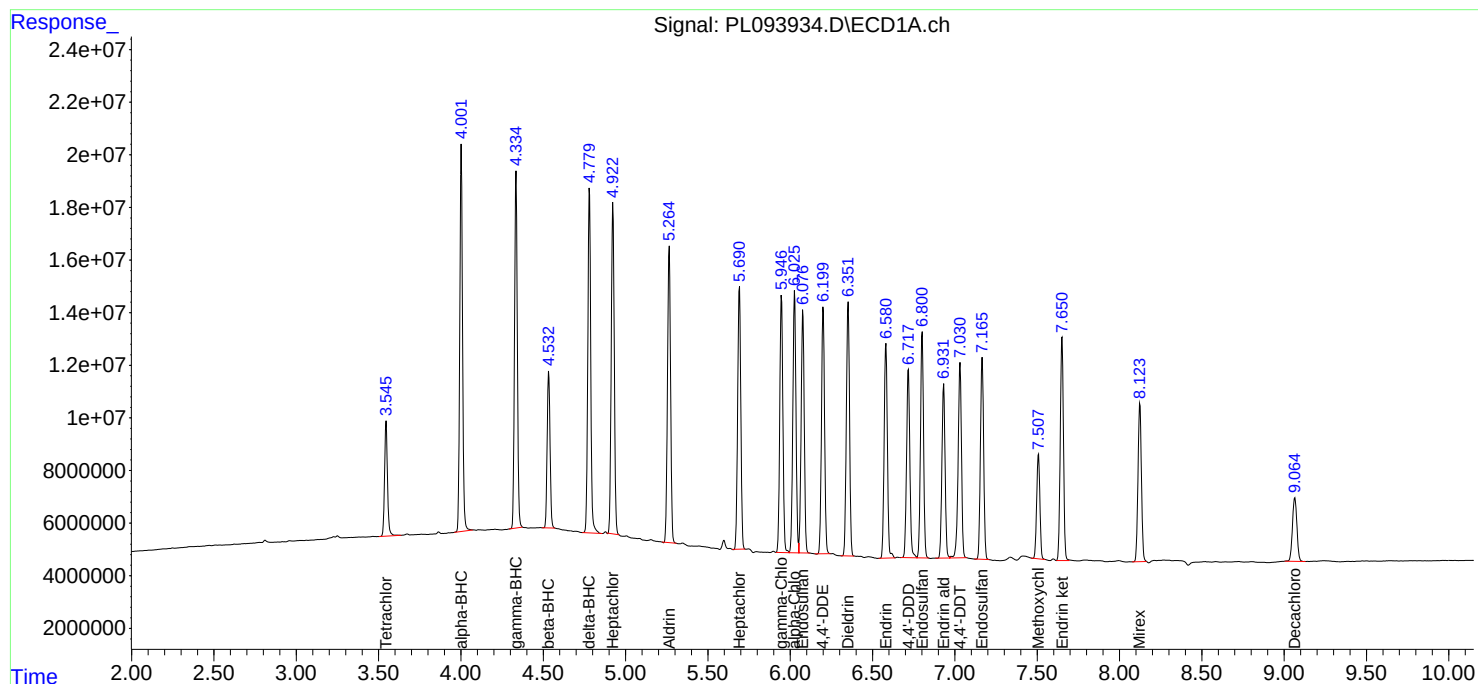
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093934.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 13:08
Operator : AR\AJ
Sample : PB166365BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166365BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 00:24:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PL093934.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.007 min
Response: 53968263
Conc: 20.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BS

Time 3.20 3.30 3.40 3.50 3.60 3.70 3.80 3.90

Response_ Signal: PL093934.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 59646399
Conc: 18.27 ng/ml

Time 2.50 2.60 2.70 2.80 2.90 3.00

Response_ Signal: PL093934.D\ECD1A.ch

#2 alpha-BHC

R.T.: 4.002 min
Delta R.T.: 0.008 min
Response: 172339045
Conc: 44.95 ng/ml

Time 3.70 3.80 3.90 4.00 4.10 4.20 4.30

Response_ Signal: PL093934.D\ECD2B.ch

#2 alpha-BHC

R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 210135414
Conc: 42.98 ng/ml

Time 3.00 3.10 3.20 3.30 3.40 3.50

Response_ Signal: PL093934.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.335 min
Delta R.T.: 0.008 min
Response: 161687677
Conc: 43.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BS

Time

Response_ Signal: PL093934.D\ECD2B.ch

#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 200937112
Conc: 42.38 ng/ml

Time

Response_ Signal: PL093934.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: 0.009 min
Response: 159081550
Conc: 48.54 ng/ml

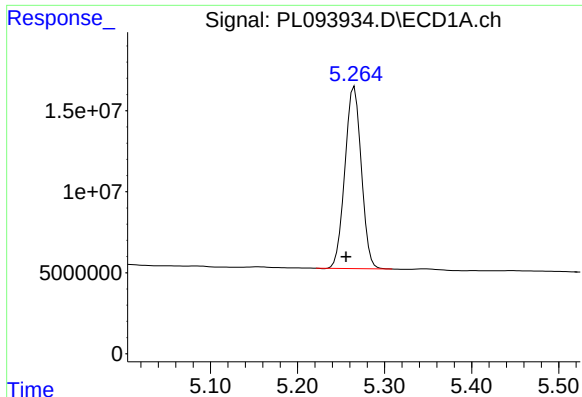
Time

Response_ Signal: PL093934.D\ECD2B.ch

#4 Heptachlor

R.T.: 3.946 min
Delta R.T.: 0.000 min
Response: 211575968
Conc: 45.45 ng/ml

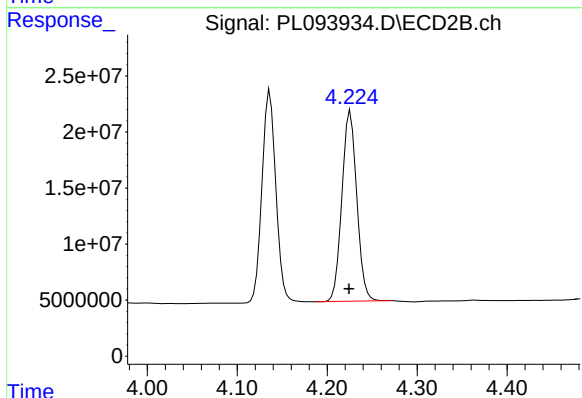
Time



#5 Aldrin

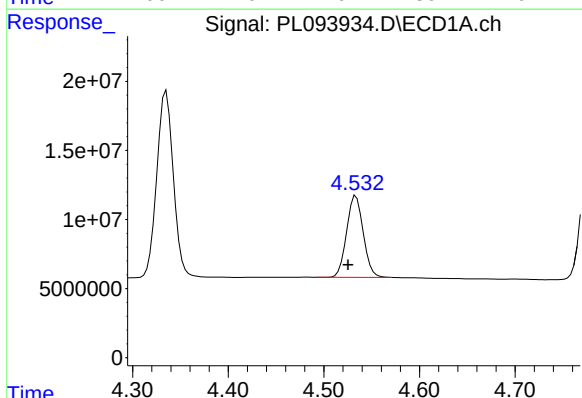
R.T.: 5.265 min
Delta R.T.: 0.010 min
Response: 146656986
Conc: 44.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BS



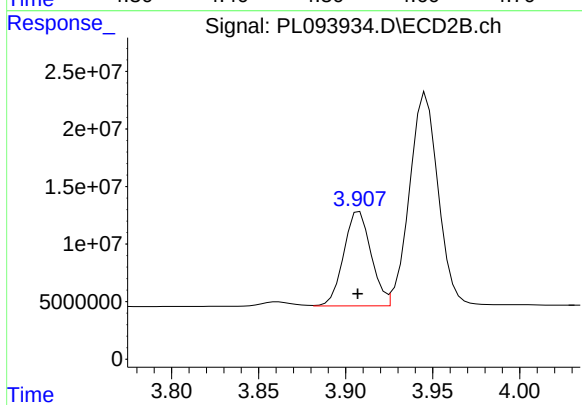
#5 Aldrin

R.T.: 4.226 min
Delta R.T.: 0.001 min
Response: 195397976
Conc: 42.83 ng/ml



#6 beta-BHC

R.T.: 4.534 min
Delta R.T.: 0.008 min
Response: 71635710
Conc: 44.57 ng/ml

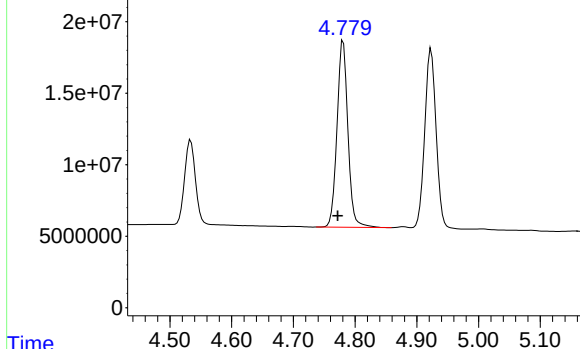


#6 beta-BHC

R.T.: 3.908 min
Delta R.T.: 0.001 min
Response: 89736904
Conc: 44.93 ng/ml

Response_ Signal: PL093934.D\ECD1A.ch

#7 delta-BHC

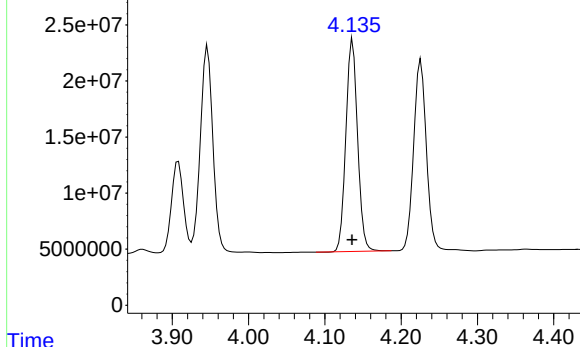


R.T.: 4.781 min
Delta R.T.: 0.009 min
Response: 160680332
Conc: 45.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BS

Time Response_ Signal: PL093934.D\ECD2B.ch

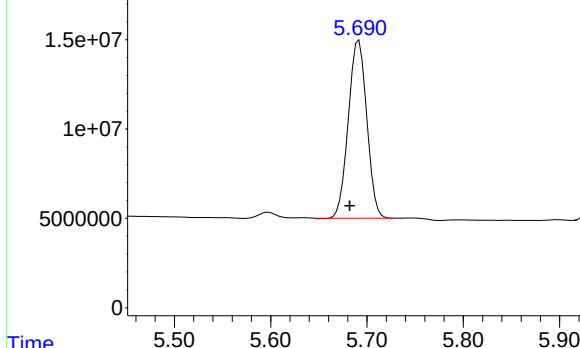
#7 delta-BHC



R.T.: 4.136 min
Delta R.T.: 0.000 min
Response: 202417271
Conc: 42.60 ng/ml

Time Response_ Signal: PL093934.D\ECD1A.ch

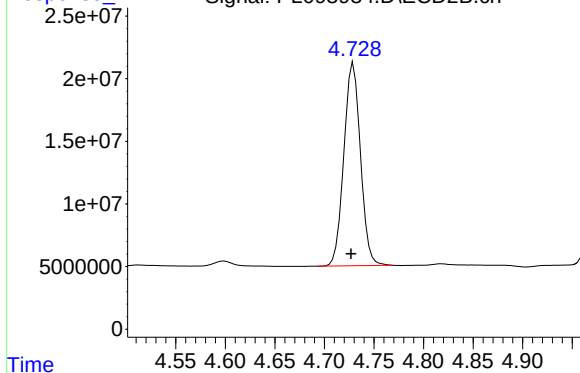
#8 Heptachlor epoxide



R.T.: 5.692 min
Delta R.T.: 0.009 min
Response: 132264829
Conc: 44.48 ng/ml

Time Response_ Signal: PL093934.D\ECD2B.ch

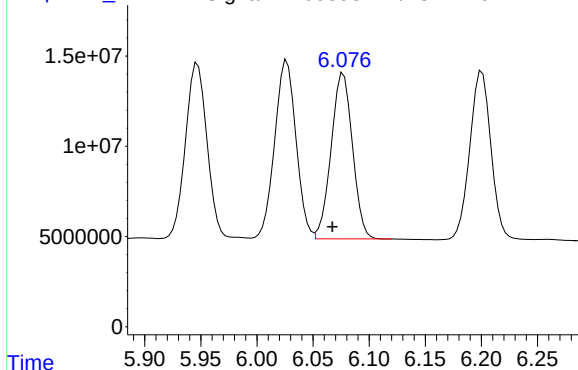
#8 Heptachlor epoxide



R.T.: 4.729 min
Delta R.T.: 0.002 min
Response: 188864315
Conc: 45.18 ng/ml

Response_ Signal: PL093934.D\ECD1A.ch

#9 Endosulfan I

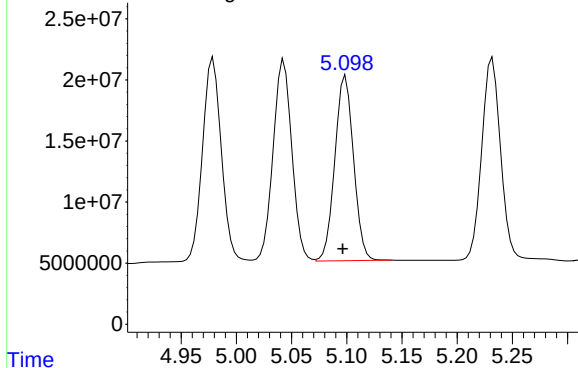


R.T.: 6.077 min
Delta R.T.: 0.010 min
Response: 121830403
Conc: 46.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BS

Time Response_ Signal: PL093934.D\ECD2B.ch

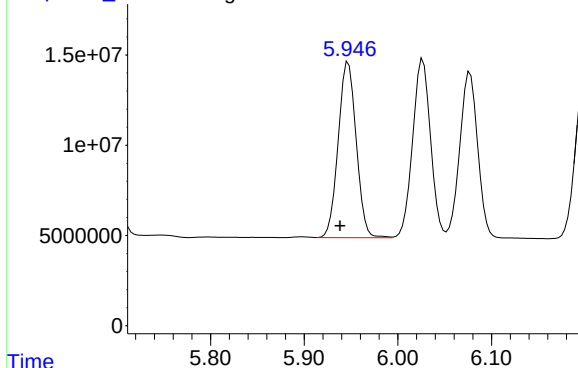
#9 Endosulfan I



R.T.: 5.099 min
Delta R.T.: 0.002 min
Response: 178665780
Conc: 46.08 ng/ml

Time Response_ Signal: PL093934.D\ECD1A.ch

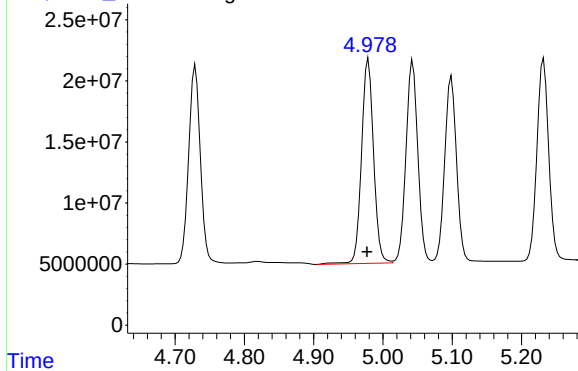
#10 gamma-Chlordane



R.T.: 5.947 min
Delta R.T.: 0.009 min
Response: 130278686
Conc: 46.74 ng/ml

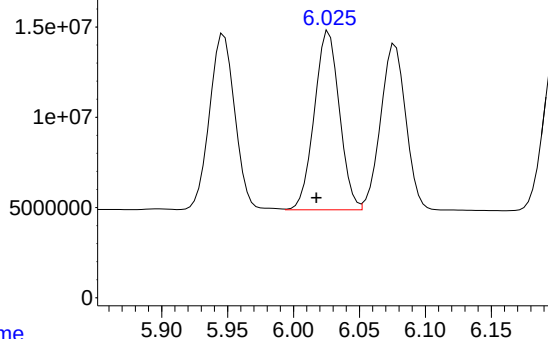
Time Response_ Signal: PL093934.D\ECD2B.ch

#10 gamma-Chlordane



R.T.: 4.979 min
Delta R.T.: 0.002 min
Response: 202458221
Conc: 47.78 ng/ml

Response_ Signal: PL093934.D\ECD1A.ch

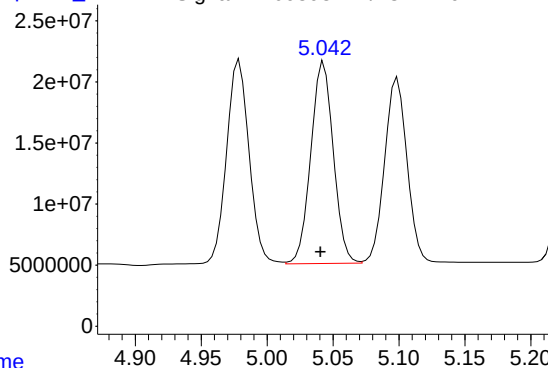


#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.009 min
Response: 131172880
Conc: 47.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BS

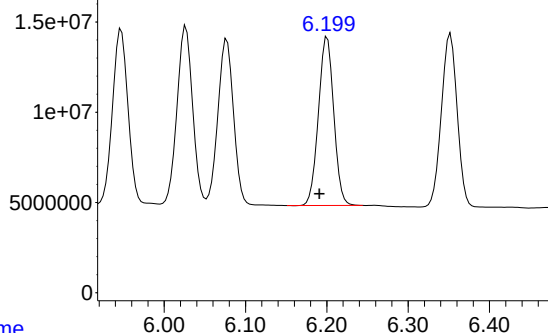
Time Response_ Signal: PL093934.D\ECD2B.ch



#11 alpha-Chlordane

R.T.: 5.043 min
Delta R.T.: 0.003 min
Response: 196321038
Conc: 46.89 ng/ml

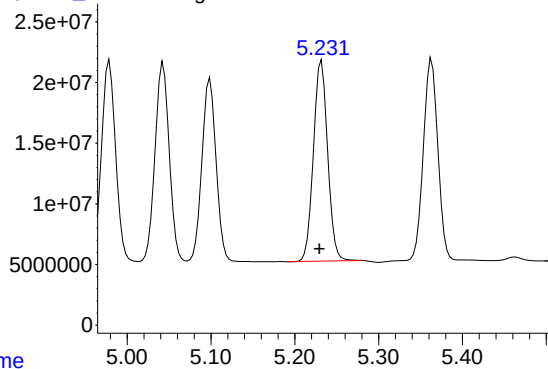
Time Response_ Signal: PL093934.D\ECD1A.ch



#12 4,4'-DDE

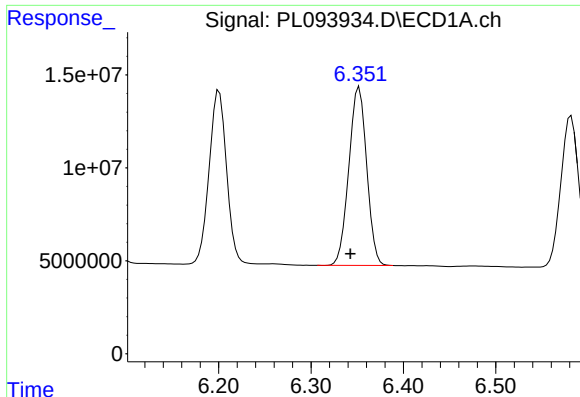
R.T.: 6.201 min
Delta R.T.: 0.009 min
Response: 122078649
Conc: 50.14 ng/ml

Time Response_ Signal: PL093934.D\ECD2B.ch



#12 4,4'-DDE

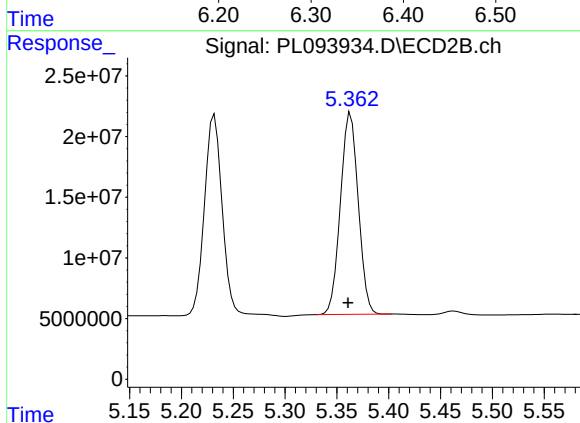
R.T.: 5.232 min
Delta R.T.: 0.002 min
Response: 195325946
Conc: 48.72 ng/ml



#13 Dieldrin

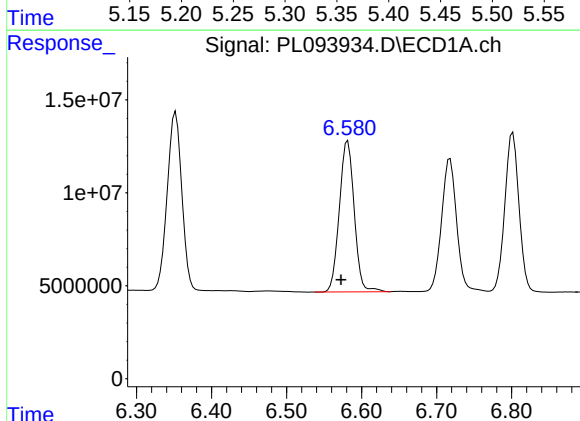
R.T.: 6.352 min
Delta R.T.: 0.009 min
Response: 128989752
Conc: 46.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BS



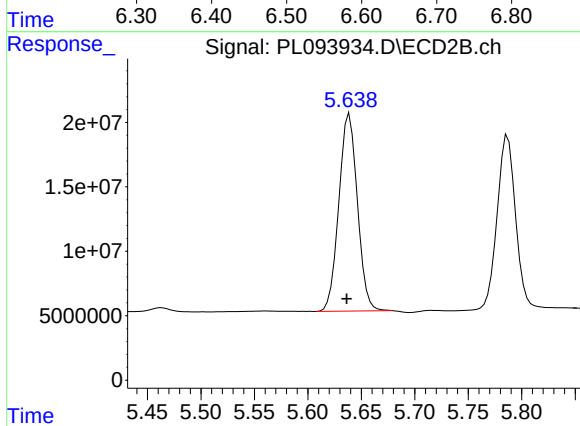
#13 Dieldrin

R.T.: 5.363 min
Delta R.T.: 0.002 min
Response: 199159681
Conc: 46.36 ng/ml



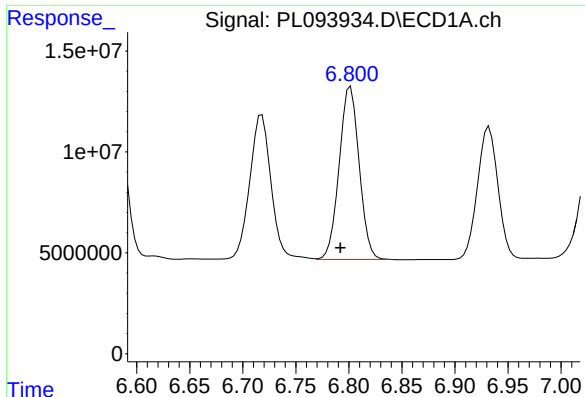
#14 Endrin

R.T.: 6.582 min
Delta R.T.: 0.009 min
Response: 112207664
Conc: 47.85 ng/ml



#14 Endrin

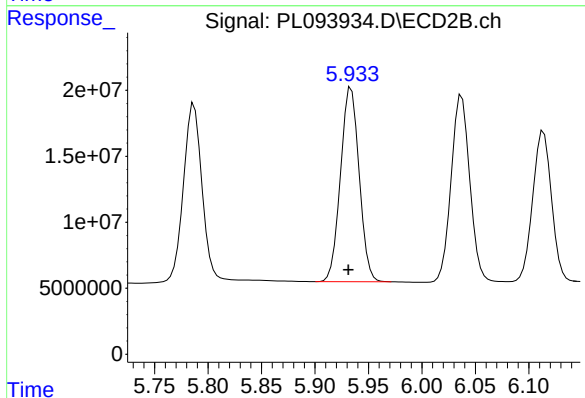
R.T.: 5.639 min
Delta R.T.: 0.002 min
Response: 185010376
Conc: 50.10 ng/ml



#15 Endosulfan II

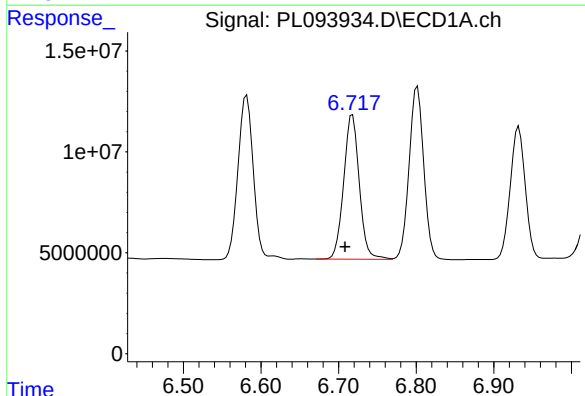
R.T.: 6.802 min
Delta R.T.: 0.010 min
Response: 111954007
Conc: 46.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BS



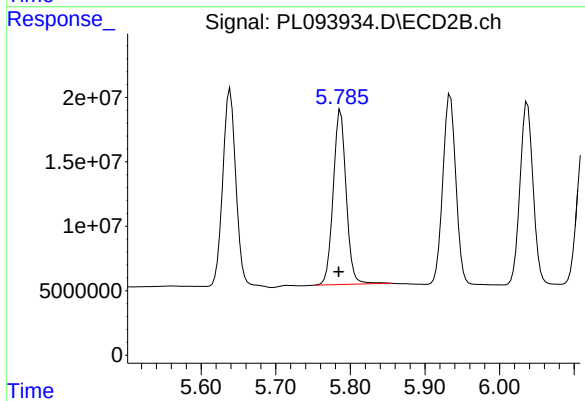
#15 Endosulfan II

R.T.: 5.934 min
Delta R.T.: 0.003 min
Response: 178859176
Conc: 48.29 ng/ml



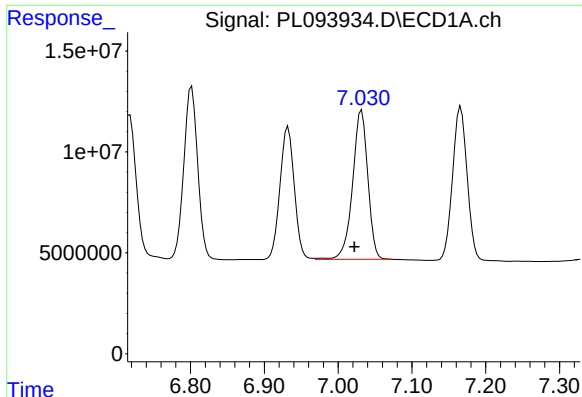
#16 4,4'-DDD

R.T.: 6.718 min
Delta R.T.: 0.010 min
Response: 99970579
Conc: 52.60 ng/ml



#16 4,4'-DDD

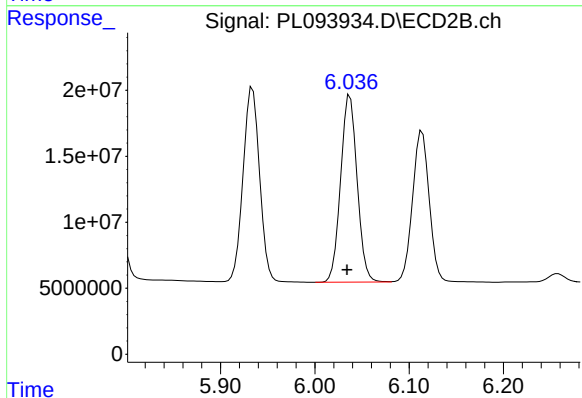
R.T.: 5.787 min
Delta R.T.: 0.003 min
Response: 163969403
Conc: 51.95 ng/ml



#17 4,4'-DDT

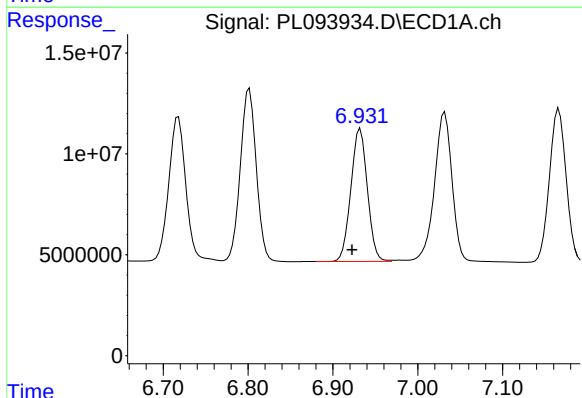
R.T.: 7.032 min
Delta R.T.: 0.010 min
Response: 106108536
Conc: 53.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BS



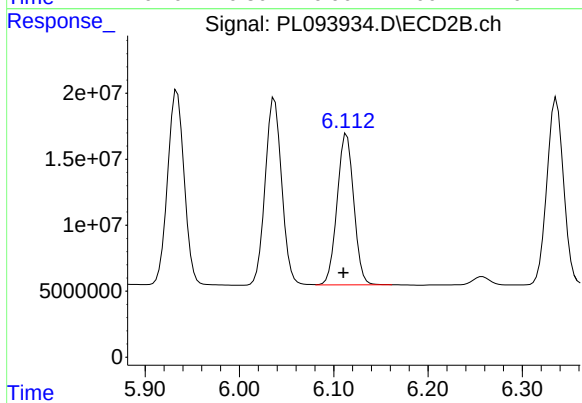
#17 4,4'-DDT

R.T.: 6.037 min
Delta R.T.: 0.003 min
Response: 172460668
Conc: 53.00 ng/ml



#18 Endrin aldehyde

R.T.: 6.932 min
Delta R.T.: 0.010 min
Response: 88759387
Conc: 45.66 ng/ml



#18 Endrin aldehyde

R.T.: 6.114 min
Delta R.T.: 0.004 min
Response: 140451892
Conc: 46.13 ng/ml

Response_ Signal: PL093934.D\ECD1A.ch

#19 Endosulfan Sulfate

R.T.: 7.166 min
Delta R.T.: 0.009 min
Response: 104234169
Conc: 46.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BS

Time

Response_ Signal: PL093934.D\ECD2B.ch

#19 Endosulfan Sulfate

R.T.: 6.336 min
Delta R.T.: 0.003 min
Response: 173569680
Conc: 48.67 ng/ml

Time

Response_ Signal: PL093934.D\ECD1A.ch

#20 Methoxychlor

R.T.: 7.508 min
Delta R.T.: 0.010 min
Response: 54273854
Conc: 52.02 ng/ml

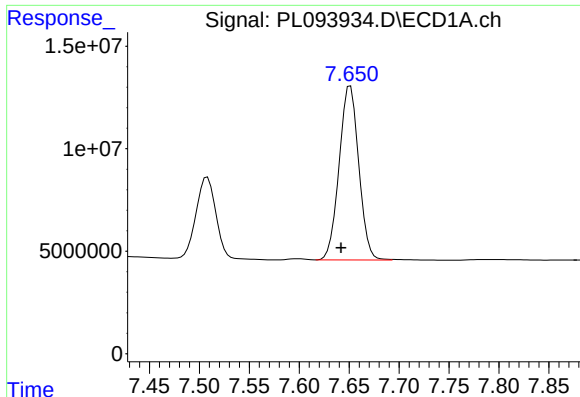
Time

Response_ Signal: PL093934.D\ECD2B.ch

#20 Methoxychlor

R.T.: 6.613 min
Delta R.T.: 0.003 min
Response: 93085620
Conc: 52.06 ng/ml

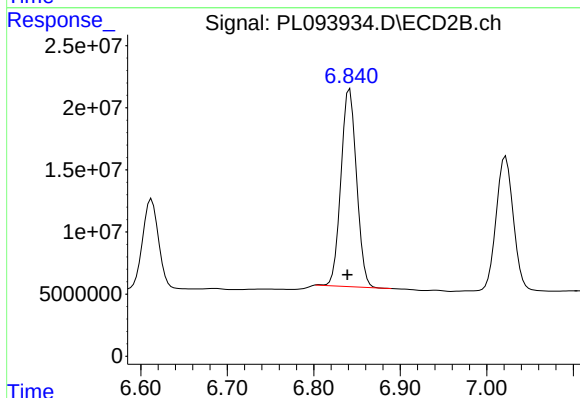
Time



#21 Endrin ketone

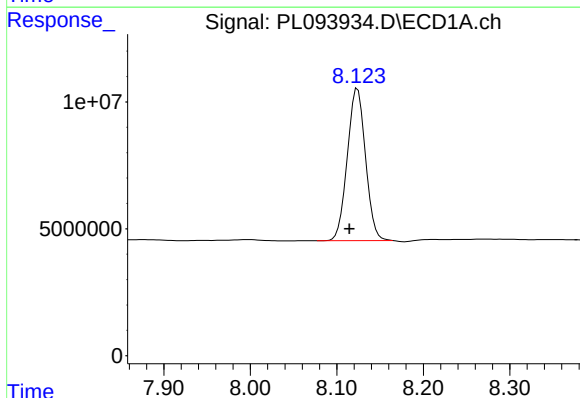
R.T.: 7.651 min
Delta R.T.: 0.009 min
Response: 116042363
Conc: 46.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BS



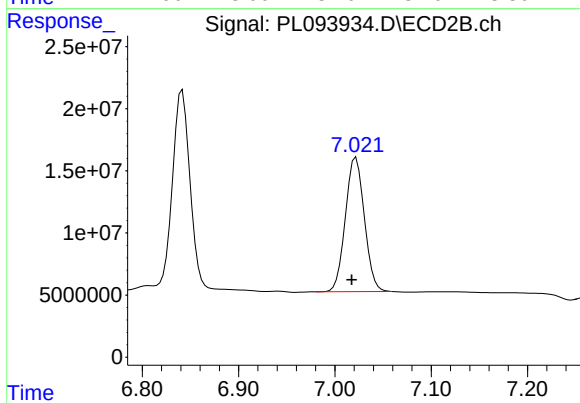
#21 Endrin ketone

R.T.: 6.842 min
Delta R.T.: 0.003 min
Response: 197935742
Conc: 47.18 ng/ml



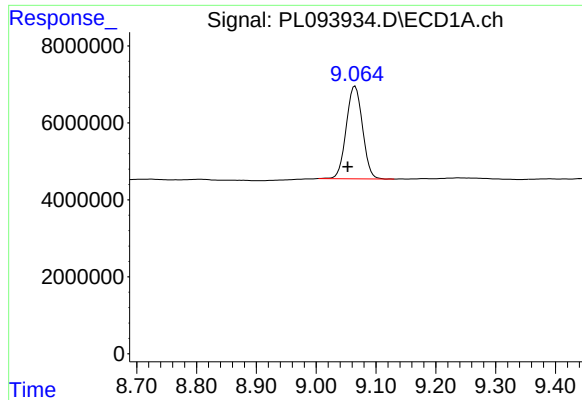
#22 Mirex

R.T.: 8.124 min
Delta R.T.: 0.009 min
Response: 87328063
Conc: 41.93 ng/ml



#22 Mirex

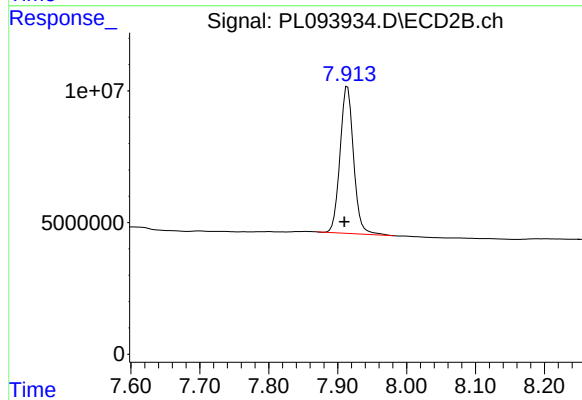
R.T.: 7.022 min
Delta R.T.: 0.004 min
Response: 147701049
Conc: 43.67 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: 0.012 min
Response: 45497159
Conc: 21.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BS



#28 Decachlorobiphenyl

R.T.: 7.914 min
Delta R.T.: 0.004 min
Response: 76022014
Conc: 21.70 ng/ml

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	PB166365BSD	SDG No.:	Q1211
Lab Sample ID:	PB166365BSD	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
PL093935.D	1	01/30/25 09:25	01/31/25 13:22	PB166365

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.46		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	0.50		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	0.47		0.0050	0.025	0.050	ug/L
60-57-1	Dieldrin	0.48		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	0.52		0.0043	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.49		0.0075	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.52		0.0092	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.50		0.0035	0.025	0.050	ug/L
50-29-3	4,4-DDT	0.54		0.0044	0.025	0.050	ug/L
72-43-5	Methoxychlor	0.53		0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.48		0.0097	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.47		0.0099	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.48		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	0.44		0.0041	0.025	0.050	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.1		30 - 135		111%	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:	PB166365BSD		SDG No.:	Q1211
Lab Sample ID:	PB166365BSD		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
PL093935.D	1	01/30/25 09:25	01/31/25 13:22	PB166365

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\PL013125\
 Data File : PL093935.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Jan 2025 13:22
 Operator : AR\AJ
 Sample : PB166365BSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB166365BSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 02/03/2025
 Supervised By :Ankita Jodhani 02/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 01 00:24:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.541	2.774	54616208	61923350	20.283	18.971
28)	SA Decachlor...	9.060	7.912	46000174	77428119	21.990	22.097
Target Compounds							
2)	A alpha-BHC	3.997	3.277	177.1E6	220.6E6	46.198	45.125
3)	MA gamma-BHC...	4.330	3.607	168.6E6	209.3E6	45.779	44.149
4)	MA Heptachlor	4.918	3.945	163.1E6	220.3E6	49.771	47.325
5)	MB Aldrin	5.260	4.225	151.5E6	205.5E6	46.315	45.039
6)	B beta-BHC	4.528	3.907	76370123	93150774	47.514	46.635
7)	B delta-BHC	4.775	4.136	164.3E6	212.5E6	46.858	44.729
8)	B Heptachlo...	5.686	4.728	136.5E6	197.1E6	45.913	47.160
9)	A Endosulfan I	6.072	5.098	124.2E6	182.5E6	46.991	47.084
10)	B gamma-Chl...	5.943	4.977	132.7E6	205.8E6	47.600	48.574m
11)	B alpha-Chl...	6.022	5.042	133.0E6	202.1E6	47.699	48.279
12)	B 4,4'-DDE	6.196	5.231	124.0E6	201.1E6	50.937	50.158
13)	MA Dieldrin	6.347	5.362	131.2E6	205.7E6	47.274	47.884
14)	MA Endrin	6.575	5.638	112.8E6	191.2E6	48.110m	51.768
15)	B Endosulfa...	6.797	5.933	114.9E6	183.0E6	47.673	49.419
16)	A 4,4'-DDD	6.713	5.786	99415719	164.3E6	52.309	52.041
17)	MA 4,4'-DDT	7.027	6.036	107.3E6	176.8E6	54.416	54.318
18)	B Endrin al...	6.928	6.112	90022140	143.2E6	46.306	47.035
19)	B Endosulfa...	7.162	6.335	105.2E6	176.9E6	46.480	49.605
20)	A Methoxychlor	7.503	6.612	55169258	95075552	52.875	53.170
21)	B Endrin ke...	7.647	6.840	116.4E6	200.8E6	46.143	47.865
22)	Mirex	8.120	7.020	88403054	150.0E6	42.451	44.365

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093935.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 13:22
Operator : AR\AJ
Sample : PB166365BSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB166365BSD

Manual Integrations

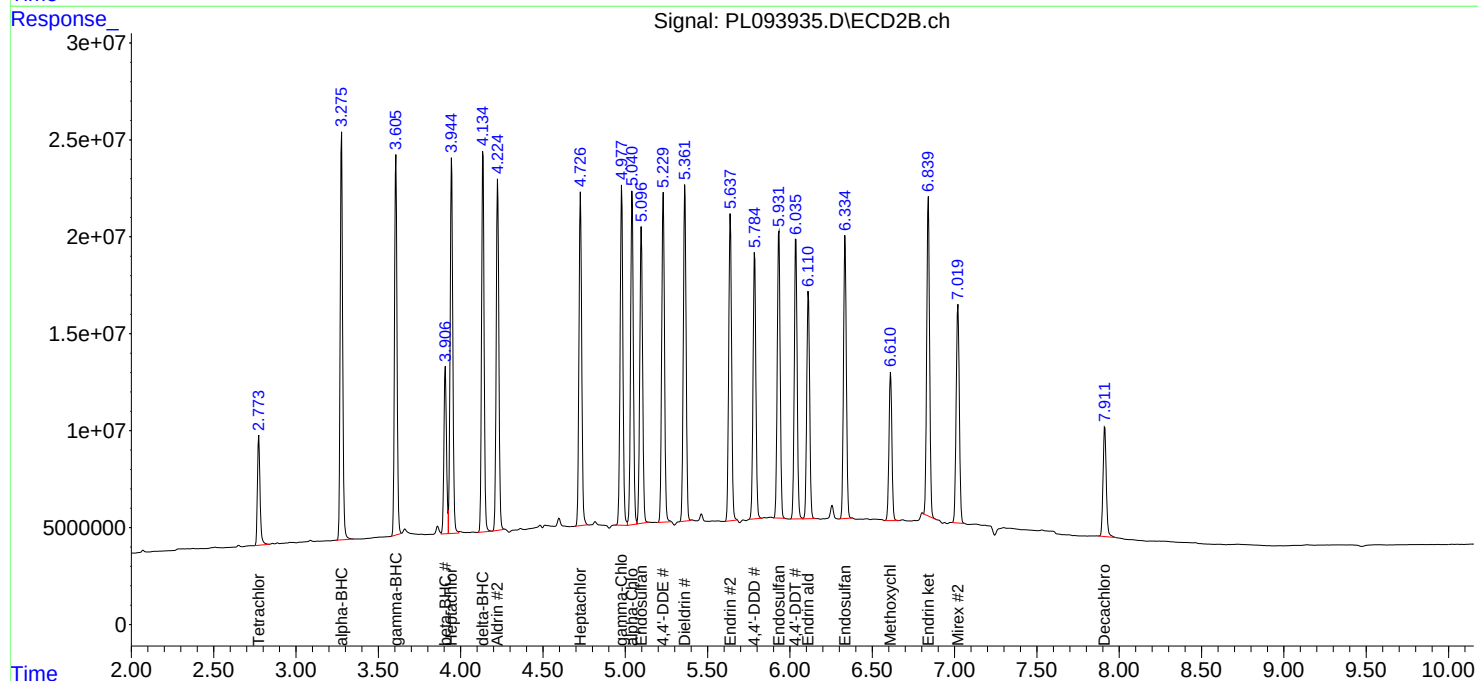
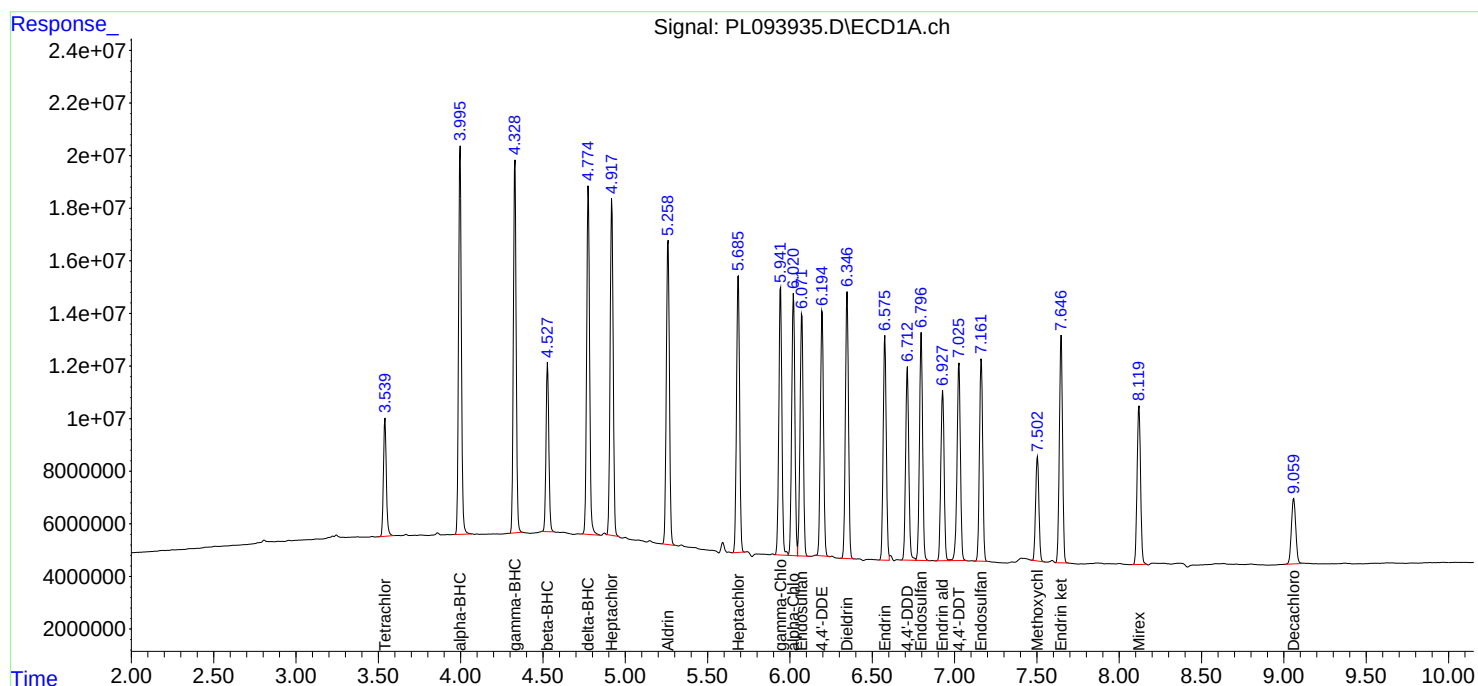
APPROVED

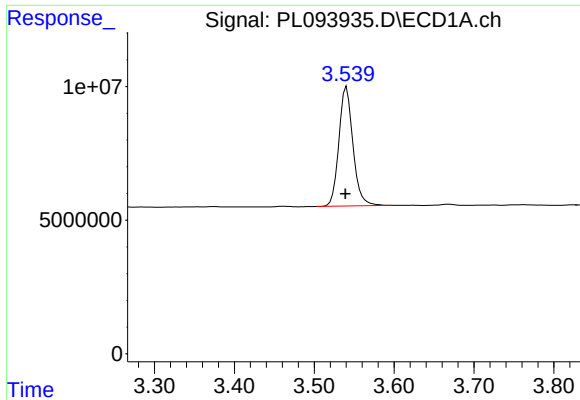
Reviewed By :Abdul Mirza 02/03/2025

Supervised By :Ankita Jodhani 02/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 00:24:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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





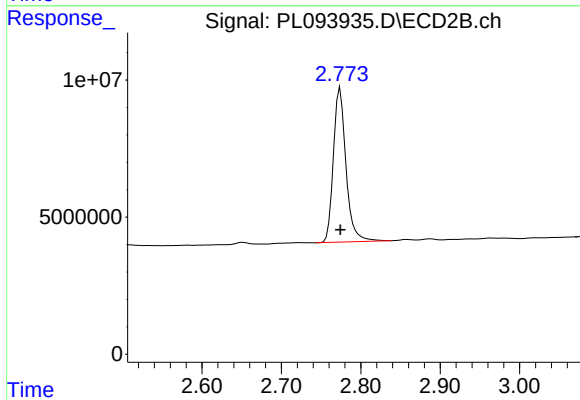
#1 Tetrachloro-m-xylene

R.T.: 3.541 min
Delta R.T.: 0.002 min
Response: 54616208
Conc: 20.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD

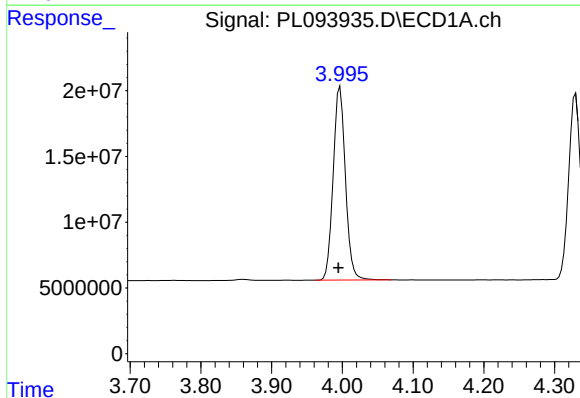
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/06/2025



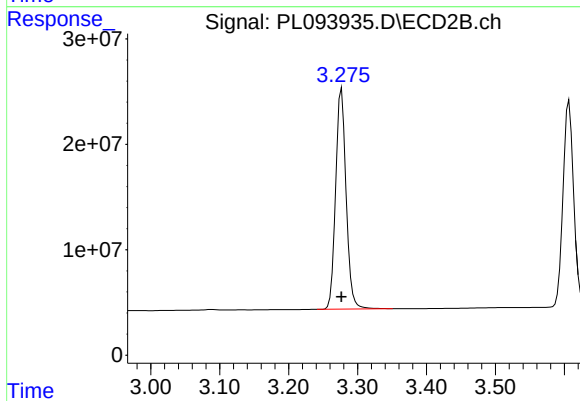
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 61923350
Conc: 18.97 ng/ml



#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.002 min
Response: 177116521
Conc: 46.20 ng/ml



#2 alpha-BHC

R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 220616515
Conc: 45.13 ng/ml

Response_ Signal: PL093935.D\ECD1A.ch

#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.003 min
Response: 168597506
Conc: 45.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD

Manual Integrations
APPROVED

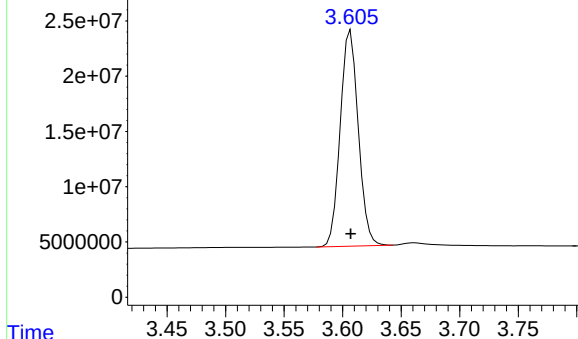
Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/06/2025

Time

Response_ Signal: PL093935.D\ECD2B.ch

#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 209318377
Conc: 44.15 ng/ml

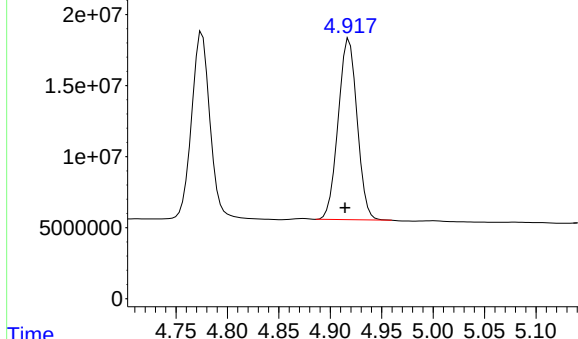


Time

Response_ Signal: PL093935.D\ECD1A.ch

#4 Heptachlor

R.T.: 4.918 min
Delta R.T.: 0.004 min
Response: 163116588
Conc: 49.77 ng/ml

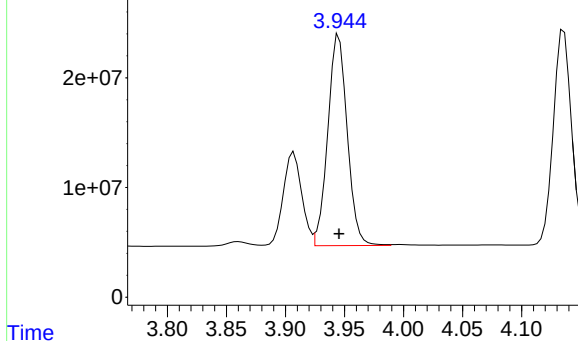


Time

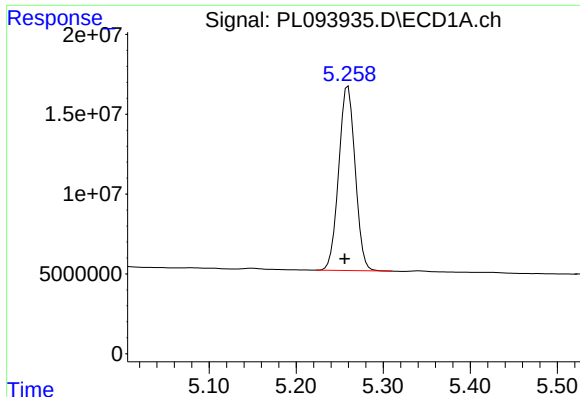
Response_ Signal: PL093935.D\ECD2B.ch

#4 Heptachlor

R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 220286222
Conc: 47.32 ng/ml



Time



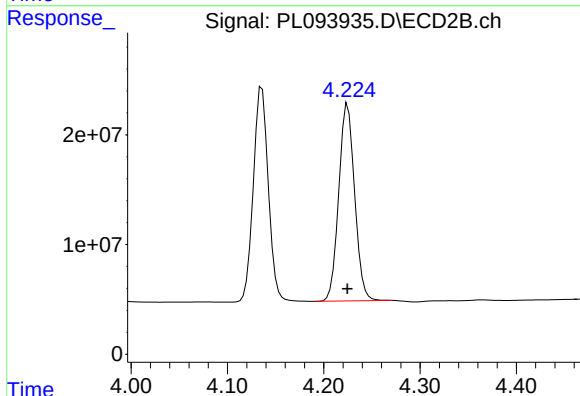
#5 Aldrin

R.T.: 5.260 min
Delta R.T.: 0.004 min
Response: 151539920
Conc: 46.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD

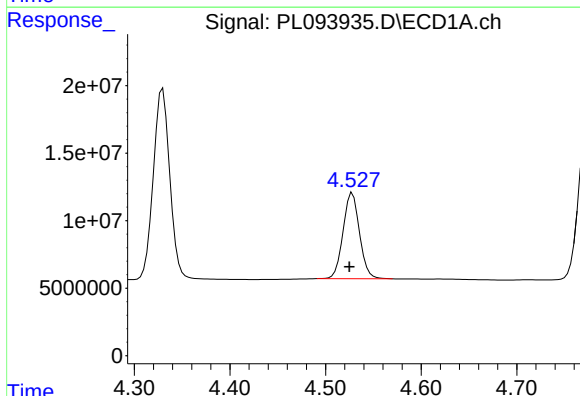
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/06/2025



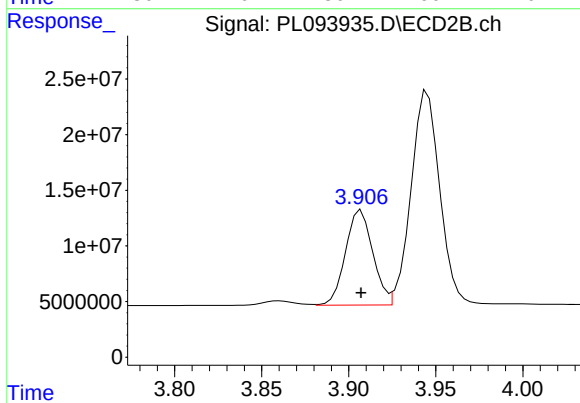
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: 0.000 min
Response: 205457788
Conc: 45.04 ng/ml



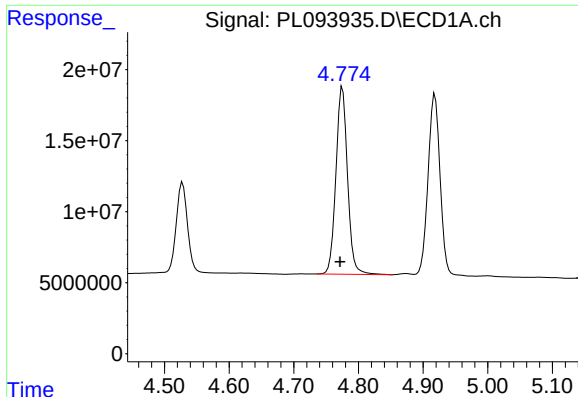
#6 beta-BHC

R.T.: 4.528 min
Delta R.T.: 0.003 min
Response: 76370123
Conc: 47.51 ng/ml



#6 beta-BHC

R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 93150774
Conc: 46.64 ng/ml



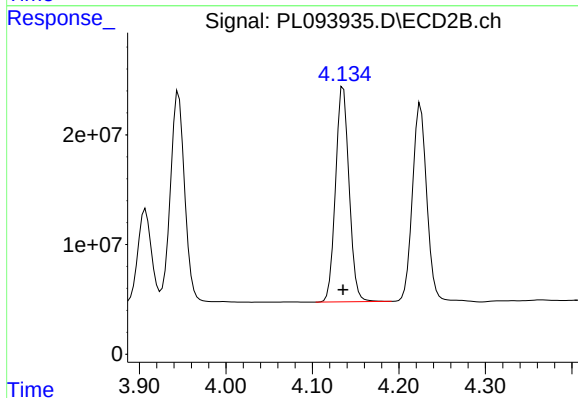
#7 delta-BHC

R.T.: 4.775 min
Delta R.T.: 0.004 min
Response: 164250644
Conc: 46.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD

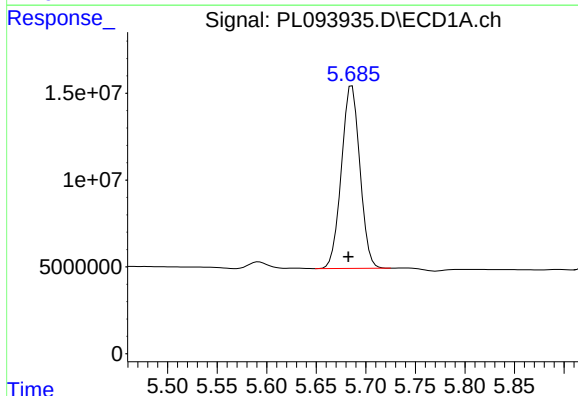
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/06/2025



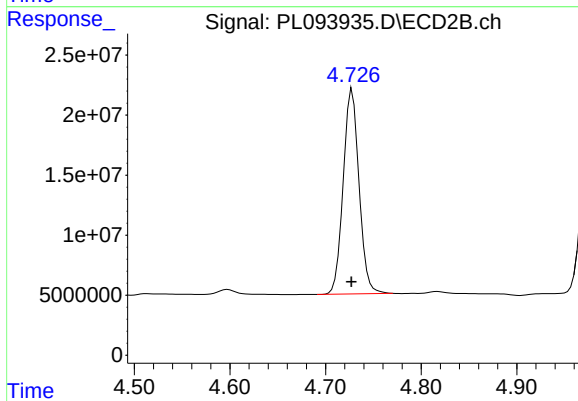
#7 delta-BHC

R.T.: 4.136 min
Delta R.T.: 0.000 min
Response: 212516820
Conc: 44.73 ng/ml



#8 Heptachlor epoxide

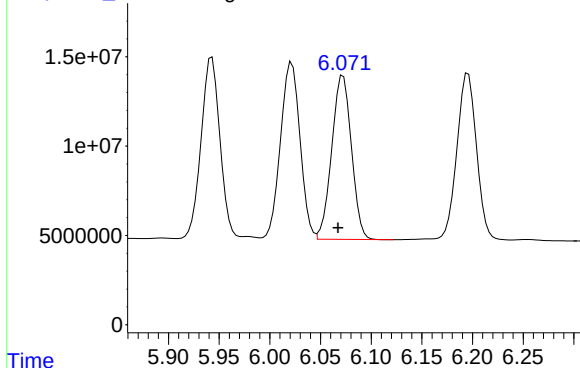
R.T.: 5.686 min
Delta R.T.: 0.004 min
Response: 136537599
Conc: 45.91 ng/ml



#8 Heptachlor epoxide

R.T.: 4.728 min
Delta R.T.: 0.000 min
Response: 197142787
Conc: 47.16 ng/ml

Response_ Signal: PL093935.D\ECD1A.ch



#9 Endosulfan I

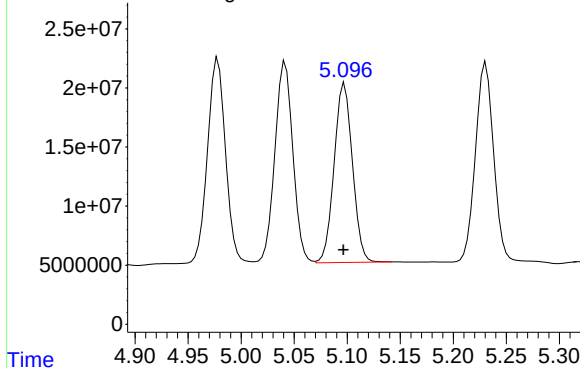
R.T.: 6.072 min
Delta R.T.: 0.005 min
Response: 124190524
Conc: 46.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/06/2025

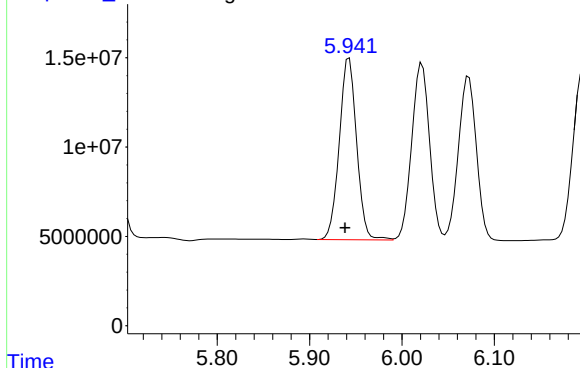
Time Response_ Signal: PL093935.D\ECD2B.ch



#9 Endosulfan I

R.T.: 5.098 min
Delta R.T.: 0.001 min
Response: 182539735
Conc: 47.08 ng/ml

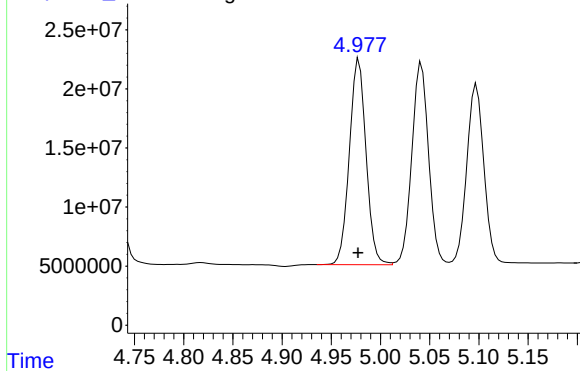
Response_ Signal: PL093935.D\ECD1A.ch



#10 gamma-Chlordane

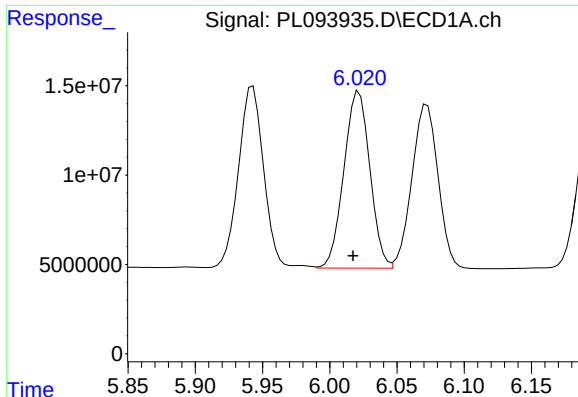
R.T.: 5.943 min
Delta R.T.: 0.005 min
Response: 132679247
Conc: 47.60 ng/ml

Time Response_ Signal: PL093935.D\ECD2B.ch



#10 gamma-Chlordane

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 205837741
Conc: 48.57 ng/ml m



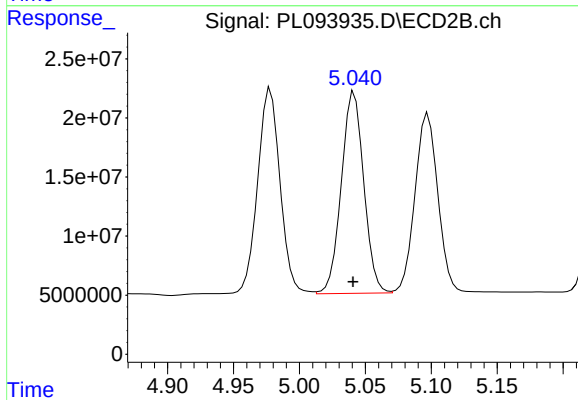
#11 alpha-Chlordane

R.T.: 6.022 min
Delta R.T.: 0.004 min
Response: 133003707
Conc: 47.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD

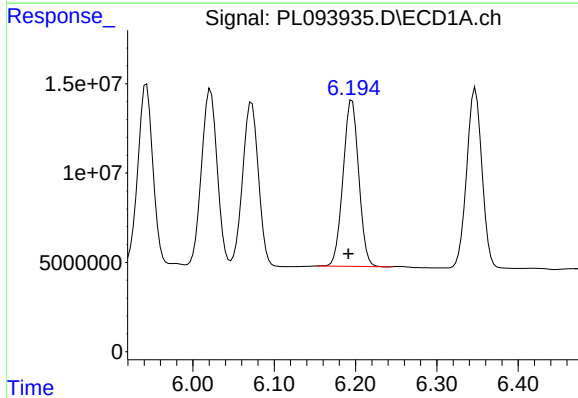
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/06/2025



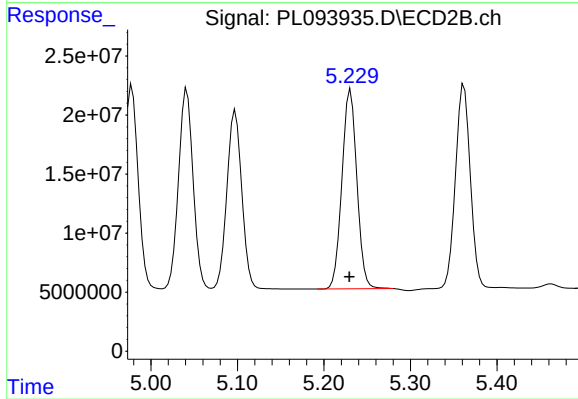
#11 alpha-Chlordane

R.T.: 5.042 min
Delta R.T.: 0.001 min
Response: 202123786
Conc: 48.28 ng/ml



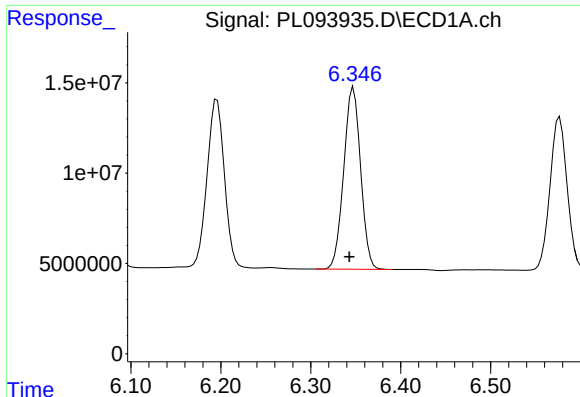
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.005 min
Response: 124011678
Conc: 50.94 ng/ml



#12 4,4'-DDE

R.T.: 5.231 min
Delta R.T.: 0.001 min
Response: 201107683
Conc: 50.16 ng/ml



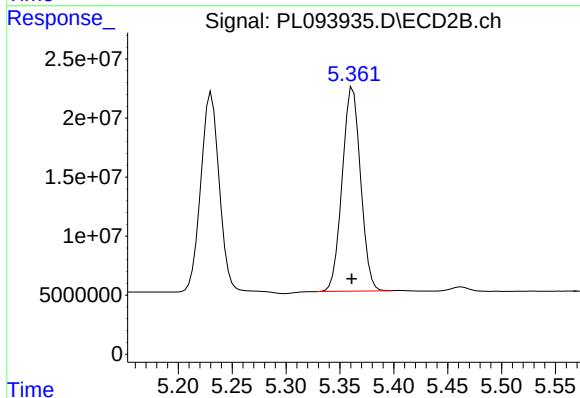
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.005 min
Response: 131225539
Conc: 47.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD

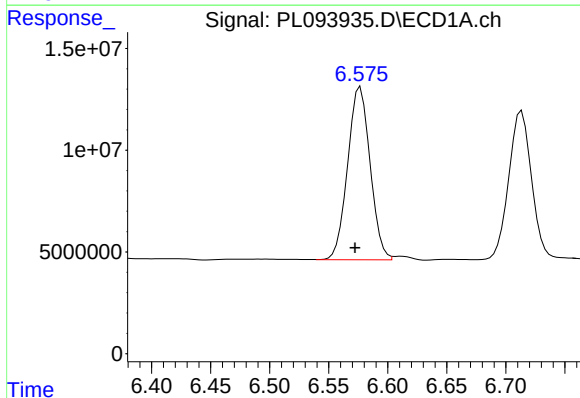
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/06/2025



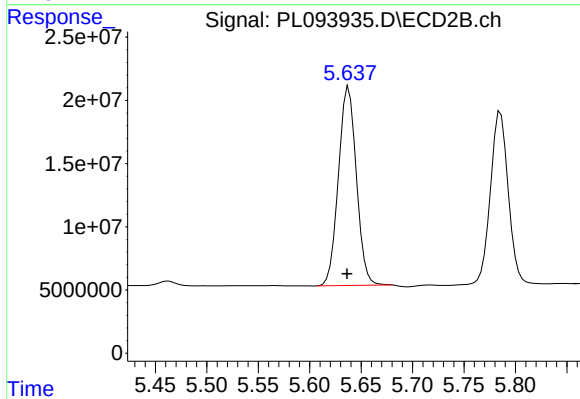
#13 Dieldrin

R.T.: 5.362 min
Delta R.T.: 0.001 min
Response: 205691360
Conc: 47.88 ng/ml



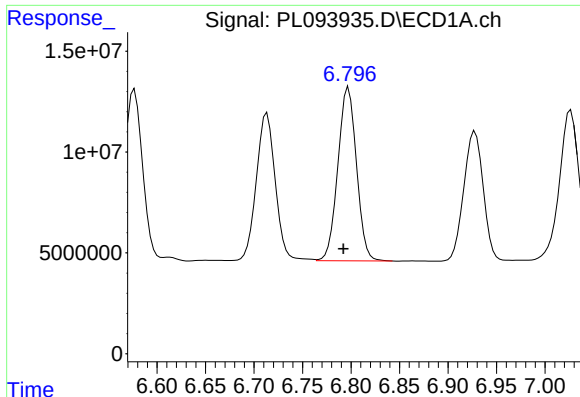
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.003 min
Response: 112809041
Conc: 48.11 ng/ml m



#14 Endrin

R.T.: 5.638 min
Delta R.T.: 0.001 min
Response: 191161946
Conc: 51.77 ng/ml



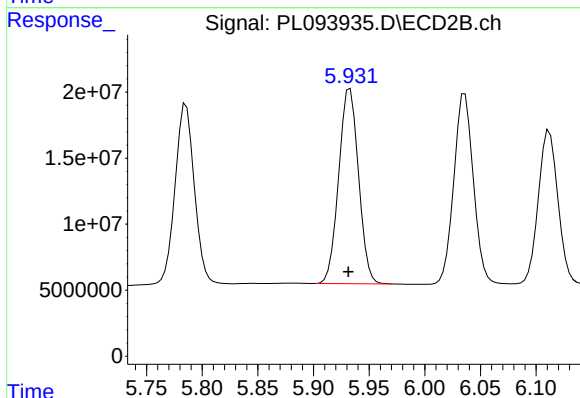
#15 Endosulfan II

R.T.: 6.797 min
Delta R.T.: 0.005 min
Response: 114862181
Conc: 47.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD

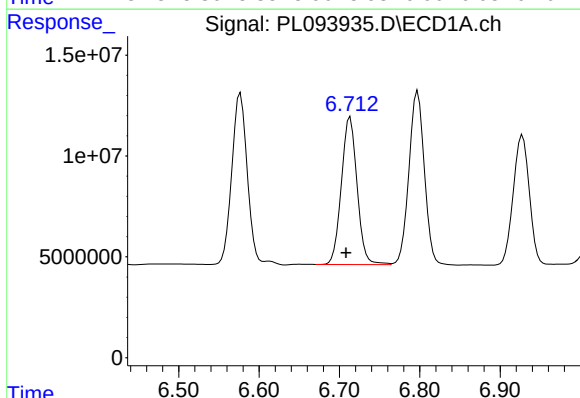
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/06/2025



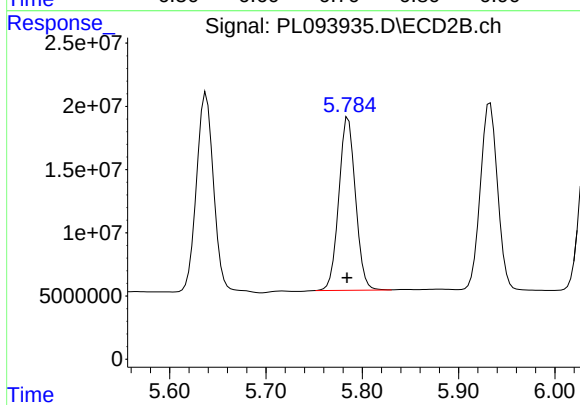
#15 Endosulfan II

R.T.: 5.933 min
Delta R.T.: 0.002 min
Response: 183040364
Conc: 49.42 ng/ml



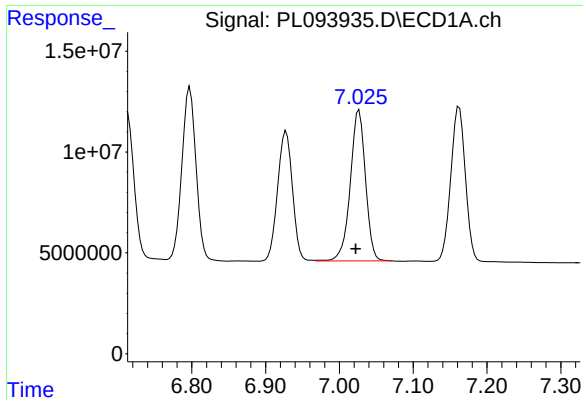
#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: 0.005 min
Response: 99415719
Conc: 52.31 ng/ml



#16 4,4'-DDD

R.T.: 5.786 min
Delta R.T.: 0.001 min
Response: 164268739
Conc: 52.04 ng/ml



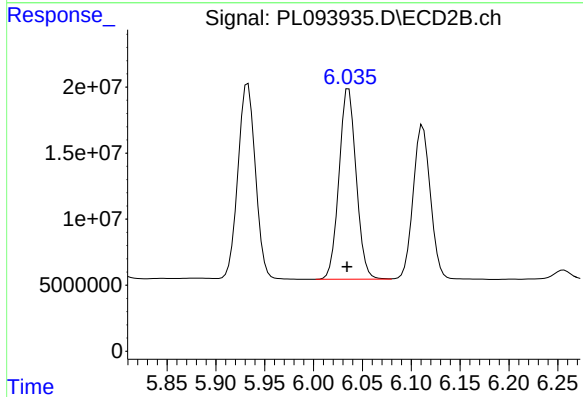
#17 4,4'-DDT

R.T.: 7.027 min
Delta R.T.: 0.004 min
Response: 107311617
Conc: 54.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD

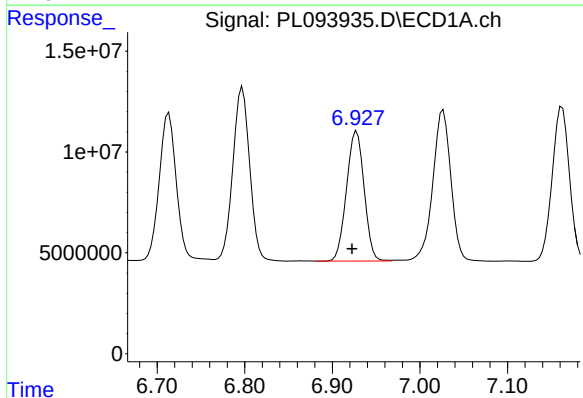
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/06/2025



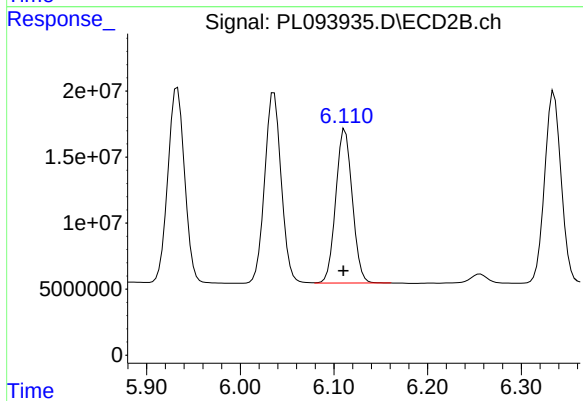
#17 4,4'-DDT

R.T.: 6.036 min
Delta R.T.: 0.002 min
Response: 176752721
Conc: 54.32 ng/ml



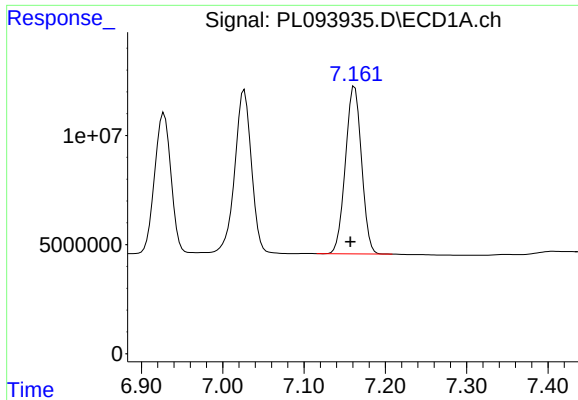
#18 Endrin aldehyde

R.T.: 6.928 min
Delta R.T.: 0.005 min
Response: 90022140
Conc: 46.31 ng/ml



#18 Endrin aldehyde

R.T.: 6.112 min
Delta R.T.: 0.002 min
Response: 143204731
Conc: 47.04 ng/ml



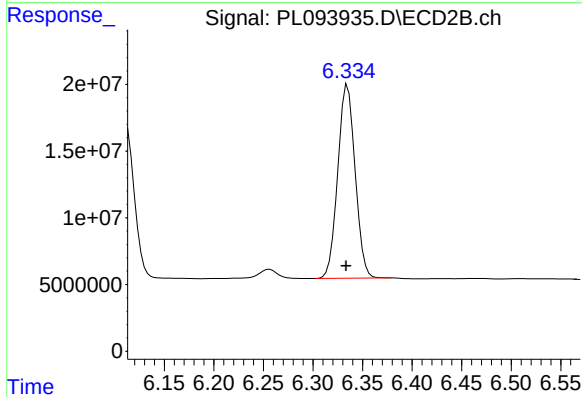
#19 Endosulfan Sulfate

R.T.: 7.162 min
Delta R.T.: 0.005 min
Response: 105218887
Conc: 46.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD

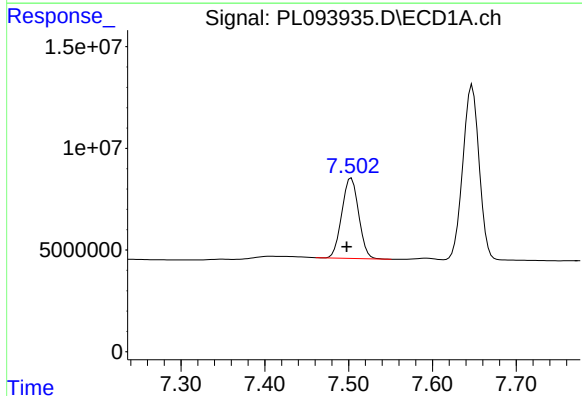
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/06/2025



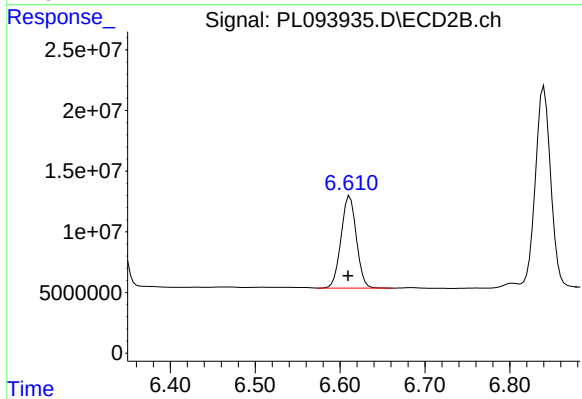
#19 Endosulfan Sulfate

R.T.: 6.335 min
Delta R.T.: 0.002 min
Response: 176895722
Conc: 49.61 ng/ml



#20 Methoxychlor

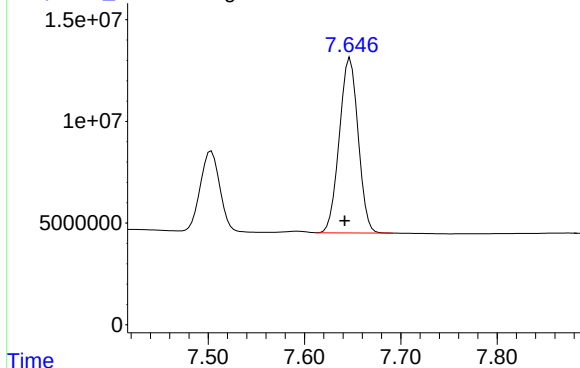
R.T.: 7.503 min
Delta R.T.: 0.005 min
Response: 55169258
Conc: 52.87 ng/ml



#20 Methoxychlor

R.T.: 6.612 min
Delta R.T.: 0.002 min
Response: 95075552
Conc: 53.17 ng/ml

Response_ Signal: PL093935.D\ECD1A.ch



#21 Endrin ketone

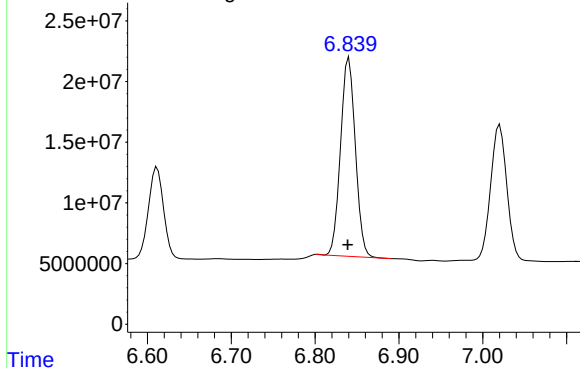
R.T.: 7.647 min
Delta R.T.: 0.006 min
Response: 116401370
Conc: 46.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/06/2025

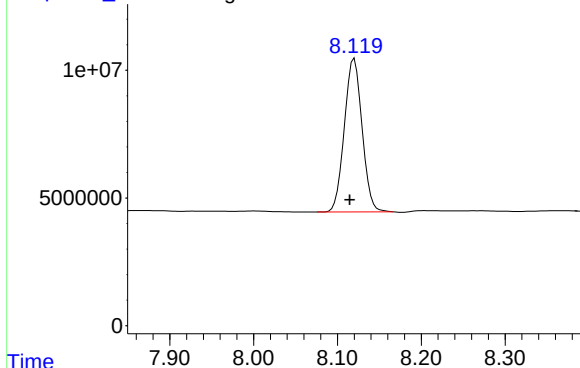
Time Response_ Signal: PL093935.D\ECD2B.ch



#21 Endrin ketone

R.T.: 6.840 min
Delta R.T.: 0.001 min
Response: 200803828
Conc: 47.86 ng/ml

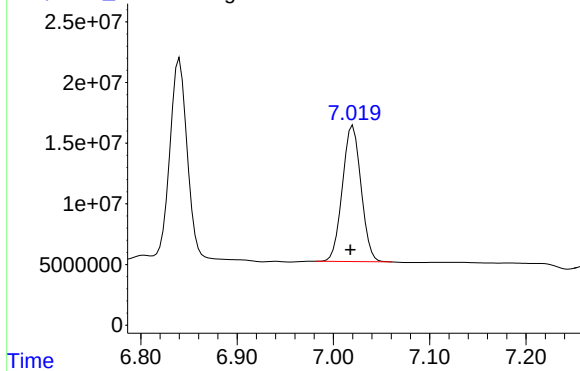
Time Response_ Signal: PL093935.D\ECD1A.ch



#22 Mirex

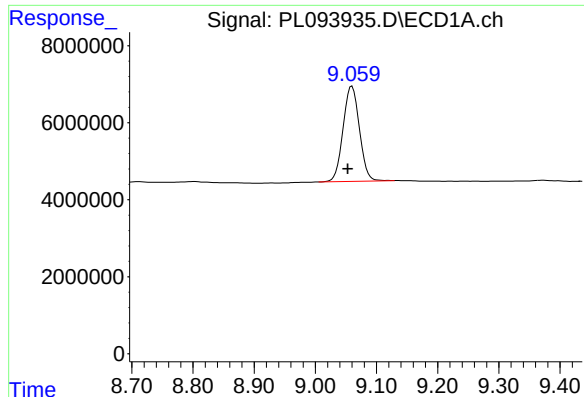
R.T.: 8.120 min
Delta R.T.: 0.005 min
Response: 88403054
Conc: 42.45 ng/ml

Time Response_ Signal: PL093935.D\ECD2B.ch



#22 Mirex

R.T.: 7.020 min
Delta R.T.: 0.003 min
Response: 150037073
Conc: 44.36 ng/ml



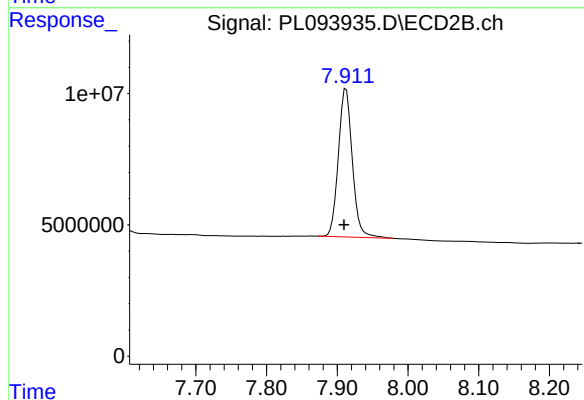
#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.007 min
Response: 46000174
Conc: 21.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/03/2025
Supervised By :Ankita Jodhani 02/06/2025



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.003 min
Response: 77428119
Conc: 22.10 ng/ml

Manual Integration Report

Sequence:	PL012125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL093726.D	4,4"-DDD	Abdul	1/22/2025 8:17:27 AM	Ankita	1/22/2025 8:30:27	Peak Integrated by Software
PEM	PL093726.D	4,4"-DDE	Abdul	1/22/2025 8:17:27 AM	Ankita	1/22/2025 8:30:27	Peak Integrated by Software
PEM	PL093726.D	Endrin aldehyde	Abdul	1/22/2025 8:17:27 AM	Ankita	1/22/2025 8:30:27	Peak Integrated by Software
PCHLORICV500	PL093744.D	Chlordane-2	Abdul	1/22/2025 8:17:34 AM	Ankita	1/22/2025 8:30:28	Peak Integrated by Software
PCHLORICV500	PL093744.D	Chlordane-5	Abdul	1/22/2025 8:17:34 AM	Ankita	1/22/2025 8:30:28	Peak Integrated by Software
PCHLORICV500	PL093744.D	Chlordane-5 #2	Abdul	1/22/2025 8:17:34 AM	Ankita	1/22/2025 8:30:28	Peak Integrated by Software
PEM	PL093747.D	4,4"-DDE	Abdul	1/22/2025 8:17:08 AM	Ankita	1/22/2025 8:30:30	Peak Integrated by Software
PEM	PL093747.D	4,4"-DDE #2	Abdul	1/22/2025 8:17:08 AM	Ankita	1/22/2025 8:30:30	Peak Integrated by Software
PSTDCCC050	PL093748.D	Heptachlor	Abdul	1/22/2025 8:17:12 AM	Ankita	1/22/2025 8:30:32	Peak Integrated by Software

Manual Integration Report

Sequence:	pl013125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL093929.D	4,4"-DDD	Abdul	2/3/2025 9:48:09 AM	Ankita	2/3/2025 1:12:24	Peak Integrated by Software
PEM	PL093929.D	4,4"-DDD #2	Abdul	2/3/2025 9:48:09 AM	Ankita	2/3/2025 1:12:24	Peak Integrated by Software
PEM	PL093929.D	Endrin	Abdul	2/3/2025 9:48:09 AM	Ankita	2/3/2025 1:12:24	Peak Integrated by Software
PSTDCCC050	PL093930.D	Endrin	Abdul	2/3/2025 9:48:14 AM	Ankita	2/3/2025 1:12:25	Peak Integrated by Software
PCHLORCCC500	PL093931.D	Chlordane-2	Abdul	2/3/2025 9:48:17 AM	Ankita	2/3/2025 1:12:27	Peak Integrated by Software
PCHLORCCC500	PL093931.D	Chlordane-5	Abdul	2/3/2025 9:48:17 AM	Ankita	2/3/2025 1:12:27	Peak Integrated by Software
PCHLORCCC500	PL093931.D	Chlordane-5 #2	Abdul	2/3/2025 9:48:17 AM	Ankita	2/3/2025 1:12:27	Peak Integrated by Software
PB166365BSD	PL093935.D	Endrin	Abdul	2/3/2025 3:47:58 PM	Ankita	2/6/2025 11:17:51	Peak Integrated by Software
PB166365BSD	PL093935.D	gamma-Chlordane #2	Abdul	2/3/2025 3:47:58 PM	Ankita	2/6/2025 11:17:51	Peak Integrated by Software
Q1211-02	PL093939.D	Tetrachloro-m-xylene	Abdul	2/3/2025 9:48:31 AM	Ankita	2/3/2025 1:12:33	Peak Integrated by Software
PSTDCCC050	PL093943.D	Endrin	Abdul	2/3/2025 9:48:38 AM	Ankita	2/3/2025 1:12:36	Peak Integrated by Software
PCHLORCCC500	PL093944.D	Chlordane-2	Abdul	2/3/2025 9:48:41 AM	Ankita	2/3/2025 1:12:38	Peak Integrated by Software
PCHLORCCC500	PL093944.D	Chlordane-5	Abdul	2/3/2025 9:48:41 AM	Ankita	2/3/2025 1:12:38	Peak Integrated by Software

Manual Integration Report

Sequence:	pl013125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PCHLORCCC500	PL093944.D	Chlordane-5 #2	Abdul	2/3/2025 9:48:41 AM	Ankita	2/3/2025 1:12:38	Peak Integrated by Software
PTOXCCC500	PL093945.D	Toxaphene-2	Abdul	2/3/2025 9:48:44 AM	Ankita	2/3/2025 1:12:40	Peak Integrated by Software
PTOXCCC500	PL093945.D	Toxaphene-5 #2	Abdul	2/3/2025 9:48:44 AM	Ankita	2/3/2025 1:12:40	Peak Integrated by Software
PEM	PL093958.D	4,4"-DDE	Abdul	2/3/2025 9:49:29 AM	Ankita	2/3/2025 1:13:27	Peak Integrated by Software
PEM	PL093958.D	4,4"-DDE #2	Abdul	2/3/2025 9:49:29 AM	Ankita	2/3/2025 1:13:27	Peak Integrated by Software
PEM	PL093958.D	Endrin	Abdul	2/3/2025 9:49:29 AM	Ankita	2/3/2025 1:13:27	Peak Integrated by Software
PSTDCCC050	PL093959.D	Endrin	Abdul	2/3/2025 9:54:37 AM	Ankita	2/3/2025 1:13:28	Peak Integrated by Software
PSTDCCC050	PL093959.D	gamma-Chlordane #2	Abdul	2/3/2025 9:54:37 AM	Ankita	2/3/2025 1:13:28	Peak Integrated by Software
PSTDCCC050	PL093971.D	Endrin	Abdul	2/3/2025 9:49:56 AM	Ankita	2/3/2025 1:14:06	Peak Integrated by Software
PSTDCCC050	PL093978.D	Endrin	Abdul	2/3/2025 9:54:09 AM	Ankita	2/3/2025 1:14:16	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL012125

Review By	Abdul	Review On	1/22/2025 8:17:54 AM
Supervise By	Ankita	Supervise On	1/22/2025 8:30:39 AM
SubDirectory	PL012125	HP Acquire Method	HP Processing Method pl012125 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	PL093724.D	21 Jan 2025 10:03	AR\AJ	Ok
2	I.BLK	PL093725.D	21 Jan 2025 10:16	AR\AJ	Ok
3	PEM	PL093726.D	21 Jan 2025 10:30	AR\AJ	Ok,M
4	RESCHK	PL093727.D	21 Jan 2025 10:43	AR\AJ	Ok
5	PSTDICC100	PL093728.D	21 Jan 2025 10:57	AR\AJ	Ok
6	PSTDICC075	PL093729.D	21 Jan 2025 11:10	AR\AJ	Ok
7	PSTDICC050	PL093730.D	21 Jan 2025 11:24	AR\AJ	Ok
8	PSTDICC025	PL093731.D	21 Jan 2025 11:38	AR\AJ	Ok
9	PSTDICC005	PL093732.D	21 Jan 2025 11:51	AR\AJ	Ok
10	PCHLORICC1000	PL093733.D	21 Jan 2025 12:05	AR\AJ	Ok
11	PCHLORICC750	PL093734.D	21 Jan 2025 12:18	AR\AJ	Ok
12	PCHLORICC500	PL093735.D	21 Jan 2025 12:32	AR\AJ	Ok
13	PCHLORICC250	PL093736.D	21 Jan 2025 12:45	AR\AJ	Ok
14	PCHLORICC050	PL093737.D	21 Jan 2025 12:59	AR\AJ	Ok
15	PTOXICC1000	PL093738.D	21 Jan 2025 13:12	AR\AJ	Ok
16	PTOXICC750	PL093739.D	21 Jan 2025 13:26	AR\AJ	Ok
17	PTOXICC500	PL093740.D	21 Jan 2025 13:39	AR\AJ	Ok
18	PTOXICC250	PL093741.D	21 Jan 2025 13:53	AR\AJ	Ok
19	PTOXICC100	PL093742.D	21 Jan 2025 14:07	AR\AJ	Ok
20	PSTDICV050	PL093743.D	21 Jan 2025 14:20	AR\AJ	Ok
21	PCHLORICV500	PL093744.D	21 Jan 2025 14:47	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL012125

Review By	Abdul	Review On	1/22/2025 8:17:54 AM
Supervise By	Ankita	Supervise On	1/22/2025 8:30:39 AM
SubDirectory	PL012125	HP Acquire Method	HP Processing Method pl012125 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	PL093745.D	21 Jan 2025 15:14	AR\AJ	Ok
23	I.BLK	PL093746.D	21 Jan 2025 15:41	AR\AJ	Ok
24	PEM	PL093747.D	21 Jan 2025 15:54	AR\AJ	Ok,M
25	PSTDCCC050	PL093748.D	21 Jan 2025 16:07	AR\AJ	Ok,M
26	Q1093-01RE	PL093749.D	21 Jan 2025 16:21	AR\AJ	Confirms
27	I.BLK	PL093750.D	21 Jan 2025 16:34	AR\AJ	Ok
28	PSTDCCC050	PL093751.D	21 Jan 2025 16:48	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL013125

Review By	Abdul	Review On	2/3/2025 9:55:31 AM
Supervise By	Ankita	Supervise On	2/3/2025 1:14:23 PM
SubDirectory	PL013125	HP Acquire Method	HP Processing Method pl012125 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	PL093927.D	31 Jan 2025 10:38	AR\AJ	Ok
2	I.BLK	PL093928.D	31 Jan 2025 10:51	AR\AJ	Ok
3	PEM	PL093929.D	31 Jan 2025 11:04	AR\AJ	Ok,M
4	PSTDCCC050	PL093930.D	31 Jan 2025 11:17	AR\AJ	Ok,M
5	PCHLORCCC500	PL093931.D	31 Jan 2025 11:54	AR\AJ	Ok,M
6	PTOXCCC500	PL093932.D	31 Jan 2025 12:07	AR\AJ	Ok
7	PB166365BL	PL093933.D	31 Jan 2025 12:29	AR\AJ	Ok
8	PB166365BS	PL093934.D	31 Jan 2025 13:08	AR\AJ	Ok
9	PB166365BSD	PL093935.D	31 Jan 2025 13:22	AR\AJ	Ok,M
10	PB166365BS	PL093936.D	31 Jan 2025 13:35	AR\AJ	Ok,M
11	PB166365BS	PL093937.D	31 Jan 2025 13:49	AR\AJ	Ok,M
12	Q1211-01	PL093938.D	31 Jan 2025 14:02	AR\AJ	Ok
13	Q1211-02	PL093939.D	31 Jan 2025 14:15	AR\AJ	Ok,M
14	PB166413BL	PL093940.D	31 Jan 2025 14:28	AR\AJ	Ok
15	PB166413BS	PL093941.D	31 Jan 2025 14:43	AR\AJ	Ok,M
16	I.BLK	PL093942.D	31 Jan 2025 14:57	AR\AJ	Ok
17	PSTDCCC050	PL093943.D	31 Jan 2025 15:10	AR\AJ	Ok,M
18	PCHLORCCC500	PL093944.D	31 Jan 2025 15:23	AR\AJ	Ok,M
19	PTOXCCC500	PL093945.D	31 Jan 2025 16:34	AR\AJ	Ok,M
20	Q1232-03	PL093946.D	31 Jan 2025 17:01	AR\AJ	Ok,M
21	Q1232-07	PL093947.D	31 Jan 2025 17:14	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL013125

Review By	Abdul	Review On	2/3/2025 9:55:31 AM
Supervise By	Ankita	Supervise On	2/3/2025 1:14:23 PM
SubDirectory	PL013125	HP Acquire Method	HP Processing Method pl012125 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	Q1232-11	PL093948.D	31 Jan 2025 17:27	AR\AJ	Ok,M
23	Q1232-15	PL093949.D	31 Jan 2025 17:40	AR\AJ	Ok,M
24	Q1232-19	PL093950.D	31 Jan 2025 17:53	AR\AJ	Ok,M
25	Q1235-03	PL093951.D	31 Jan 2025 18:07	AR\AJ	Ok,M
26	Q1235-07	PL093952.D	31 Jan 2025 18:20	AR\AJ	Ok,M
27	Q1239-01	PL093953.D	31 Jan 2025 18:33	AR\AJ	Ok,M
28	Q1239-04	PL093954.D	31 Jan 2025 18:46	AR\AJ	Ok,M
29	Q1239-07	PL093955.D	31 Jan 2025 18:59	AR\AJ	Ok,M
30	Q1239-10	PL093956.D	31 Jan 2025 19:12	AR\AJ	Ok,M
31	I.BLK	PL093957.D	31 Jan 2025 19:26	AR\AJ	Ok
32	PEM	PL093958.D	31 Jan 2025 19:39	AR\AJ	Ok,M
33	PSTDCCC050	PL093959.D	31 Jan 2025 20:18	AR\AJ	Ok,M
34	Q1239-10MS	PL093960.D	31 Jan 2025 20:31	AR\AJ	Ok,M
35	Q1239-10MSD	PL093961.D	31 Jan 2025 20:45	AR\AJ	Ok,M
36	Q1241-03	PL093962.D	31 Jan 2025 20:58	AR\AJ	Ok,M
37	Q1241-07	PL093963.D	31 Jan 2025 21:11	AR\AJ	Ok,M
38	Q1241-11	PL093964.D	31 Jan 2025 21:24	AR\AJ	Ok,M
39	Q1241-15	PL093965.D	31 Jan 2025 21:37	AR\AJ	Ok,M
40	Q1241-19	PL093966.D	31 Jan 2025 21:50	AR\AJ	Ok,M
41	Q1242-03	PL093967.D	31 Jan 2025 22:04	AR\AJ	Ok,M
42	Q1243-01	PL093968.D	31 Jan 2025 22:17	AR\AJ	Ok
43	Q1244-01	PL093969.D	31 Jan 2025 22:30	AR\AJ	Ok,M
44	I.BLK	PL093970.D	31 Jan 2025 22:43	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL013125

Review By	Abdul	Review On	2/3/2025 9:55:31 AM
Supervise By	Ankita	Supervise On	2/3/2025 1:14:23 PM
SubDirectory	PL013125	HP Acquire Method	HP Processing Method pl012125 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			

45	PSTDCCC050	PL093971.D	01 Feb 2025 00:57	AR\AJ	Ok,M
46	Q1215-03	PL093972.D	01 Feb 2025 01:10	AR\AJ	Ok,M
47	Q1215-03MS	PL093973.D	01 Feb 2025 01:24	AR\AJ	Ok,M
48	Q1215-03MSD	PL093974.D	01 Feb 2025 01:37	AR\AJ	Ok,M
49	Q1216-15	PL093975.D	01 Feb 2025 01:50	AR\AJ	ReRun
50	Q1219-01	PL093976.D	01 Feb 2025 02:03	AR\AJ	Ok,M
51	I.BLK	PL093977.D	01 Feb 2025 02:43	AR\AJ	Ok
52	PSTDCCC050	PL093978.D	01 Feb 2025 02:56	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL012125

Review By	Abdul	Review On	1/22/2025 8:17:54 AM
Supervise By	Ankita	Supervise On	1/22/2025 8:30:39 AM
SubDirectory	PL012125	HP Acquire Method	HP Processing Method pl012125 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	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL093724.D	21 Jan 2025 10:03		AR\AJ	Ok
2	I.BLK	I.BLK	PL093725.D	21 Jan 2025 10:16		AR\AJ	Ok
3	PEM	PEM	PL093726.D	21 Jan 2025 10:30		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL093727.D	21 Jan 2025 10:43		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL093728.D	21 Jan 2025 10:57		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL093729.D	21 Jan 2025 11:10		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL093730.D	21 Jan 2025 11:24		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL093731.D	21 Jan 2025 11:38		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL093732.D	21 Jan 2025 11:51		AR\AJ	Ok
10	PCHLORICC1000	PCHLORICC1000	PL093733.D	21 Jan 2025 12:05		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL093734.D	21 Jan 2025 12:18		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL093735.D	21 Jan 2025 12:32		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL093736.D	21 Jan 2025 12:45		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL093737.D	21 Jan 2025 12:59		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL093738.D	21 Jan 2025 13:12		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL093739.D	21 Jan 2025 13:26		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL093740.D	21 Jan 2025 13:39		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL093741.D	21 Jan 2025 13:53		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL012125

Review By	Abdul	Review On	1/22/2025 8:17:54 AM
Supervise By	Ankita	Supervise On	1/22/2025 8:30:39 AM
SubDirectory	PL012125	HP Acquire Method	HP Processing Method pl012125 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	PL093742.D	21 Jan 2025 14:07		AR\AJ	Ok
20	PSTDICV050	ICVPL012125	PL093743.D	21 Jan 2025 14:20		AR\AJ	Ok
21	PCHLORICV500	ICVPL012125CHLOR	PL093744.D	21 Jan 2025 14:47		AR\AJ	Ok,M
22	PTOXICV500	ICVPL012125TOX	PL093745.D	21 Jan 2025 15:14		AR\AJ	Ok
23	I.BLK	I.BLK	PL093746.D	21 Jan 2025 15:41		AR\AJ	Ok
24	PEM	PEM	PL093747.D	21 Jan 2025 15:54		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL093748.D	21 Jan 2025 16:07		AR\AJ	Ok,M
26	Q1093-01RE	RT-3407RE	PL093749.D	21 Jan 2025 16:21	F Flag coming , DCB high in 2nd column	AR\AJ	Confirms
27	I.BLK	I.BLK	PL093750.D	21 Jan 2025 16:34		AR\AJ	Ok
28	PSTDCCC050	PSTDCCC050	PL093751.D	21 Jan 2025 16:48		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL013125

Review By	Abdul	Review On	2/3/2025 9:55:31 AM
Supervise By	Ankita	Supervise On	2/3/2025 1:14:23 PM
SubDirectory	PL013125	HP Acquire Method	HP Processing Method pl012125 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	PL093927.D	31 Jan 2025 10:38		AR\AJ	Ok
2	I.BLK	I.BLK	PL093928.D	31 Jan 2025 10:51		AR\AJ	Ok
3	PEM	PEM	PL093929.D	31 Jan 2025 11:04		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL093930.D	31 Jan 2025 11:17		AR\AJ	Ok,M
5	PCHLORCCC500	PCHLORCCC500	PL093931.D	31 Jan 2025 11:54		AR\AJ	Ok,M
6	PTOXCCC500	PTOXCCC500	PL093932.D	31 Jan 2025 12:07		AR\AJ	Ok
7	PB166365BL	PB166365BL	PL093933.D	31 Jan 2025 12:29		AR\AJ	Ok
8	PB166365BS	PB166365BS	PL093934.D	31 Jan 2025 13:08		AR\AJ	Ok
9	PB166365BSD	PB166365BSD	PL093935.D	31 Jan 2025 13:22		AR\AJ	Ok,M
10	PB166365BS	PB166365BS	PL093936.D	31 Jan 2025 13:35		AR\AJ	Ok,M
11	PB166365BS	PB166365BS	PL093937.D	31 Jan 2025 13:49		AR\AJ	Ok,M
12	Q1211-01	TAPHHA-MW01-01282	PL093938.D	31 Jan 2025 14:02	TCMX high in 1st column	AR\AJ	Ok
13	Q1211-02	TAPIAL2-MW03-01282	PL093939.D	31 Jan 2025 14:15		AR\AJ	Ok,M
14	PB166413BL	PB166413BL	PL093940.D	31 Jan 2025 14:28		AR\AJ	Ok
15	PB166413BS	PB166413BS	PL093941.D	31 Jan 2025 14:43		AR\AJ	Ok,M
16	I.BLK	I.BLK	PL093942.D	31 Jan 2025 14:57		AR\AJ	Ok
17	PSTDCCC050	PSTDCCC050	PL093943.D	31 Jan 2025 15:10		AR\AJ	Ok,M
18	PCHLORCCC500	PCHLORCCC500	PL093944.D	31 Jan 2025 15:23		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL013125

Review By	Abdul	Review On	2/3/2025 9:55:31 AM
Supervise By	Ankita	Supervise On	2/3/2025 1:14:23 PM
SubDirectory	PL013125	HP Acquire Method	HP Processing Method pl012125 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	PTOXC500	PTOXC500	PL093945.D	31 Jan 2025 16:34		AR\AJ	Ok,M
20	Q1232-03	JPP-46.2-012925	PL093946.D	31 Jan 2025 17:01	DCB high in 2nd column	AR\AJ	Ok,M
21	Q1232-07	JPP-46.1-012925	PL093947.D	31 Jan 2025 17:14		AR\AJ	Ok,M
22	Q1232-11	JPP-42.1-012925	PL093948.D	31 Jan 2025 17:27		AR\AJ	Ok,M
23	Q1232-15	JPP-42.2-012925	PL093949.D	31 Jan 2025 17:40		AR\AJ	Ok,M
24	Q1232-19	JPP-51.1-012925	PL093950.D	31 Jan 2025 17:53		AR\AJ	Ok,M
25	Q1235-03	JPP-51.2-012925	PL093951.D	31 Jan 2025 18:07		AR\AJ	Ok,M
26	Q1235-07	JPP-16.1-012925	PL093952.D	31 Jan 2025 18:20		AR\AJ	Ok,M
27	Q1239-01	286	PL093953.D	31 Jan 2025 18:33		AR\AJ	Ok,M
28	Q1239-04	348	PL093954.D	31 Jan 2025 18:46		AR\AJ	Ok,M
29	Q1239-07	RBR22266	PL093955.D	31 Jan 2025 18:59		AR\AJ	Ok,M
30	Q1239-10	357	PL093956.D	31 Jan 2025 19:12		AR\AJ	Ok,M
31	I.BLK	I.BLK	PL093957.D	31 Jan 2025 19:26		AR\AJ	Ok
32	PEM	PEM	PL093958.D	31 Jan 2025 19:39		AR\AJ	Ok,M
33	PSTDCCC050	PSTDCCC050	PL093959.D	31 Jan 2025 20:18		AR\AJ	Ok,M
34	Q1239-10MS	357MS	PL093960.D	31 Jan 2025 20:31		AR\AJ	Ok,M
35	Q1239-10MSD	357MSD	PL093961.D	31 Jan 2025 20:45	RPD Fail	AR\AJ	Ok,M
36	Q1241-03	JPP-3.5-013025	PL093962.D	31 Jan 2025 20:58		AR\AJ	Ok,M
37	Q1241-07	JPP-5.3-013025	PL093963.D	31 Jan 2025 21:11		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL013125

Review By	Abdul	Review On	2/3/2025 9:55:31 AM
Supervise By	Ankita	Supervise On	2/3/2025 1:14:23 PM
SubDirectory	PL013125	HP Acquire Method	HP Processing Method pl012125 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			

38	Q1241-11	JPP-5.2-013025	PL093964.D	31 Jan 2025 21:24		AR\AJ	Ok,M
39	Q1241-15	JPP-5.4-013025	PL093965.D	31 Jan 2025 21:37		AR\AJ	Ok,M
40	Q1241-19	JPP-51.4-013025	PL093966.D	31 Jan 2025 21:50		AR\AJ	Ok,M
41	Q1242-03	JPP-6.2-013025	PL093967.D	31 Jan 2025 22:04		AR\AJ	Ok,M
42	Q1243-01	CL-01-01302025	PL093968.D	31 Jan 2025 22:17		AR\AJ	Ok
43	Q1244-01	EO-02-01302025	PL093969.D	31 Jan 2025 22:30		AR\AJ	Ok,M
44	I.BLK	I.BLK	PL093970.D	31 Jan 2025 22:43		AR\AJ	Ok
45	PSTDCCC050	PSTDCCC050	PL093971.D	01 Feb 2025 00:57	Comp#22 recovery low	AR\AJ	Ok,M
46	Q1215-03	JPP-29.1-012825	PL093972.D	01 Feb 2025 01:10		AR\AJ	Ok,M
47	Q1215-03MS	JPP-29.1-012825MS	PL093973.D	01 Feb 2025 01:24		AR\AJ	Ok,M
48	Q1215-03MSD	JPP-29.1-012825MSD	PL093974.D	01 Feb 2025 01:37		AR\AJ	Ok,M
49	Q1216-15	JPP-26.1-012825	PL093975.D	01 Feb 2025 01:50	DCB high in both column	AR\AJ	ReRun
50	Q1219-01	LAW-25-0015	PL093976.D	01 Feb 2025 02:03	DCB high in 1st column	AR\AJ	Ok,M
51	I.BLK	I.BLK	PL093977.D	01 Feb 2025 02:43		AR\AJ	Ok
52	PSTDCCC050	PSTDCCC050	PL093978.D	01 Feb 2025 02:56	Comp#22 recovery low	AR\AJ	Ok,M

M : Manual Integration

SOP ID: M3510C,3580A-Extraction Pesticide-16

Clean Up SOP #: Florisil **Extraction Start Date :** 01/30/2025

Matrix : Water **Extraction Start Time :** 09:25

Weigh By: N/A **Extraction By:** RS **Extraction End Date :** 01/30/2025

Balance check: N/A **Filter By:** RS **Extraction End Time :** 14:10

Balance ID: N/A **pH Meter ID:** N/A **Concentration By:** RJ

pH Strip Lot#: E3574 **Hood ID:** 4,6,7 **Supervisor By :** rajesh

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

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24091
Surrogate	1.0ML	200 PPB	PP24123
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	E3872
Florisil	N/A	E3806
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

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
01/30/25	RP (Get Lab)	Y.P. Pest IPAB
14:15	Preparation Group	Analysis Group

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

Concentration Date: 01/30/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166365BL	PBLK365	PESTICIDE Group1	1000	6	RUPESH	ritesh	10			SEP-10
PB166365BS	PLCS365	PESTICIDE Group1	1000	6	RUPESH	ritesh	10			11
PB166365BS D	PLCSD365 TAPHA	PESTICIDE Group1	1000	6	RUPESH	ritesh	10			12
Q1211-01	TRHA-MW01-012825-00 -T4	PESTICIDE Group1	990	6	RUPESH	ritesh	10		O	13
Q1211-02	TAPIAL2-MW03-012825-0 0-T3	PESTICIDE Group1	1000	6	RUPESH	ritesh	10		M	14
	CHLORDANE	1	1000	6						15
	TOXAPHENE	1	1000	6						16

* Extracts relinquished on the same date as received.

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1211D

WorkList ID : 187279

Department : Extraction

Date : 01-30-2025 08:12:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1194-08	EB	Water	PCB	Cool 4 deg C	PORT06	N41	01/25/2025	8082A
Q1211-01	~~TPHHA~~ TPHHA-MW01-012825-00-T4	Water	Diesel Range Organics	Cool 4 deg C	WEST04	N31	01/28/2025	8015D
Q1211-01	TPHHA-MW01-012825-00-T4	Water	PESTICIDE Group1	Cool 4 deg C	WEST04	N31	01/28/2025	8081B
Q1211-02	TAPIAL2-MW03-012825-00-T3	Water	Diesel Range Organics	Cool 4 deg C	WEST04	N31	01/28/2025	8015D
Q1211-02	TAPIAL2-MW03-012825-00-T3	Water	PESTICIDE Group1	Cool 4 deg C	WEST04	N31	01/28/2025	8081B

Date/Time 01/30/25 9:20

Raw Sample Received by: RS (not sig)

Raw Sample Relinquished by: JD CSM

Q1211-PESTICIDE Group1

Date/Time 01/30/25 9:20

Raw Sample Received by: JD CSM

Raw Sample Relinquished by: RS (not sig)

Prep Standard - Chemical Standard Summary

Order ID : Q1211
Test : PESTICIDE Group1
Prepbatch ID : PB166365,
Sequence ID/Qc Batch ID: PL013125,

Standard ID :
EP2577,PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683,P
P23686,PP23687,PP23690,PP23693,PP23695,PP23698,PP23733,PP23793,PP24080,PP24081,PP24091,PP24095,P
P24123,

Chemical ID :
E3551,E3792,E3805,E3806,E3843,E3846,E3847,E3871,E3872,P11146,P11896,P12600,P13036,P13039,P13245,P133
49,P13350,P13353,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>
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

<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

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
79	500 PPB Pesticide Spike Solution	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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4027	Pesticide resolution Check Mixture 8081	PP24095	12/23/2024	06/16/2025	Abdul Mirza	None	None	Ankita Jodhani
12/30/2024								

FROM 1.00000ml of P13245 + 99.00000ml of E3847 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
465	200 PPB Pest/PCB Surrogate Spike	PP24123	01/20/2025	06/26/2025	Abdul Mirza	None	None	Ankita Jodhani
FROM 1.00000ml of P13353 + 999.00000ml of E3846 = Final Quantity: 1000.000 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)	24H2762008	06/05/2025	12/05/2024 / Rajesh	12/05/2024 / Rajesh	E3843

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	06/26/2025	12/26/2024 / Rajesh	12/13/2024 / Rajesh	E3846

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-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 #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3872

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	07/20/2025	01/20/2025 / Abdul	04/22/2024 / Abdul	P13353

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
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32021 **Lot No.:** A0193299
Description : Chlordane Standard
Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2029 **Storage:** 10°C or colder
Ship: Ambient

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:

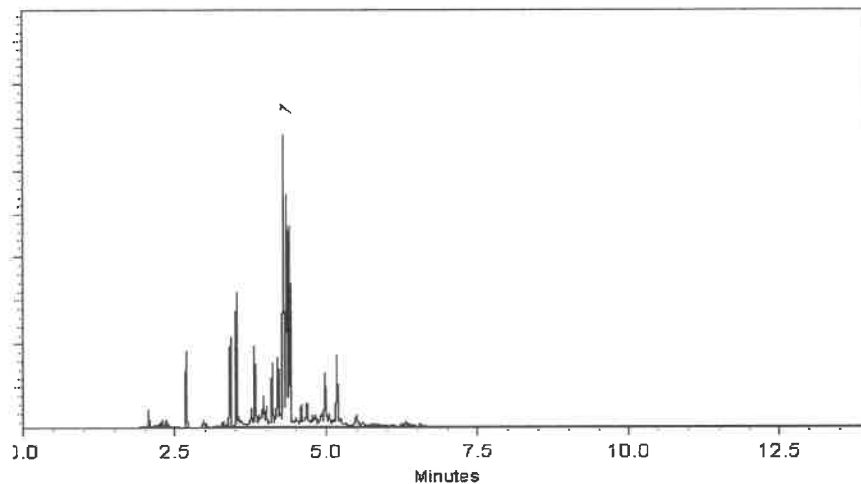
ECD

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



Made in China

CAT# FS0006

Agela Technologies

E 3806



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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



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

Certificate of Analysis

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

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

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

Rec'd by RP On 12/13/24

E 3846

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

12/27/24

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



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 ₂ Cl 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 (μ 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

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

Recd by RP on 1/29/25

E 3872

J. Croak

Jamie Croak
Director Quality Operations, Bioscience Production



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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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
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P 11896
5

06/17/2022

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

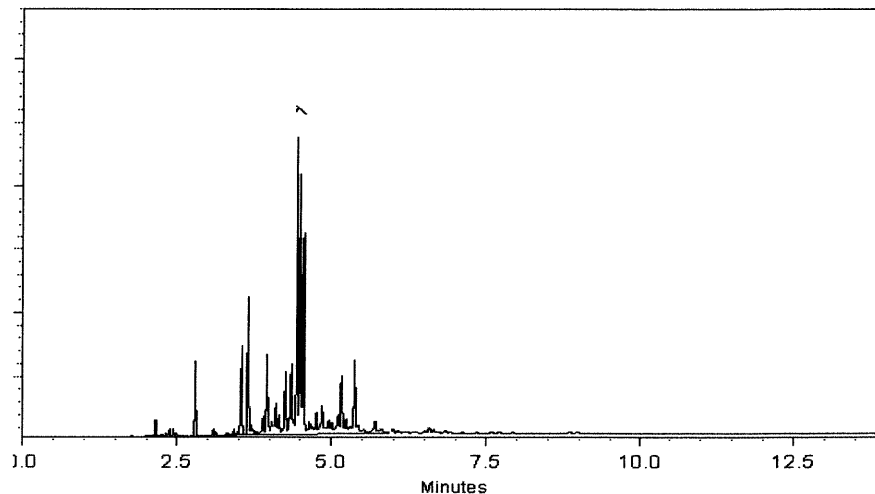
Carrier Gas:
helium-constant pressure 20 psi.

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

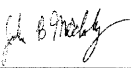
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

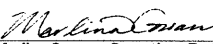


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Josh McCloskey - Operations Technician I

Date Mixed: 11-Feb-2022

Balance: B442140311


Marlina 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)
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P 11896 / 1


06/17/2022



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 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
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 P 13043
 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.)

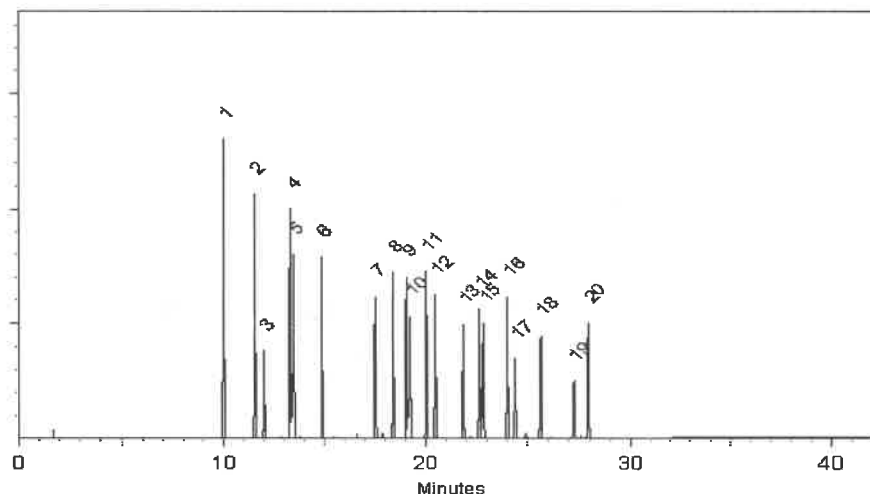
Inj. Temp:
 200°C

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**

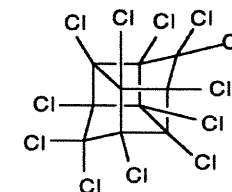
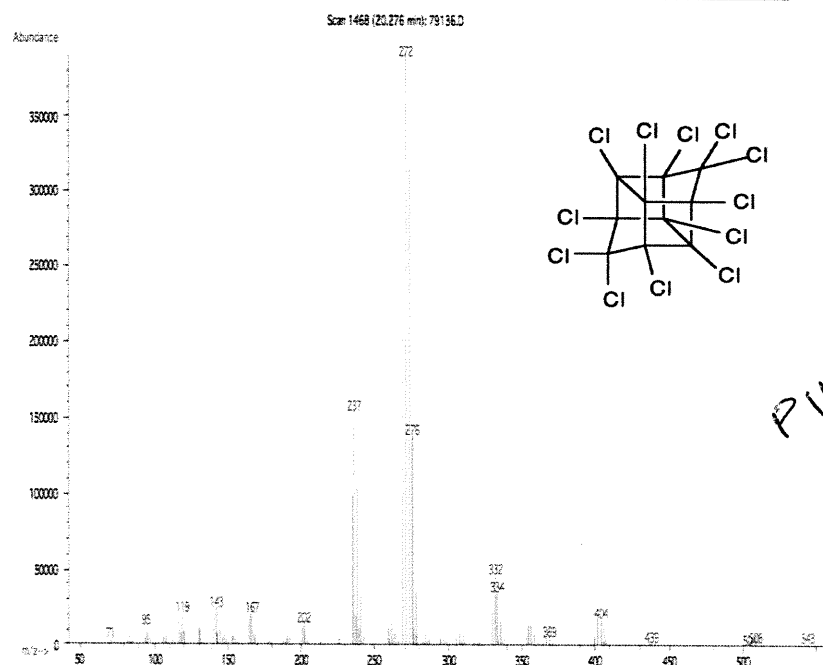
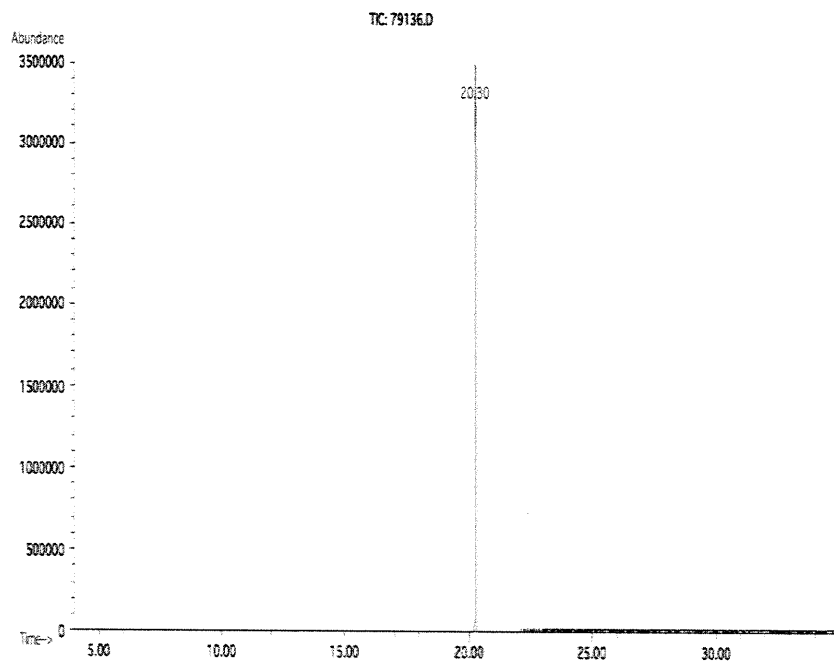
Expiration Date: **102826**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **1000**
 NIST Test ID#: **6UTB**

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.



P11142
 To
 P11146
 AR
 11/02/21

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

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

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

P 13034
↓
P 13038
12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4 µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5 µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9 µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9 µg/mL	+/- 8.9696

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

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034
P13038
1
5
12/26/2023

Quality Confirmation Test

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

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

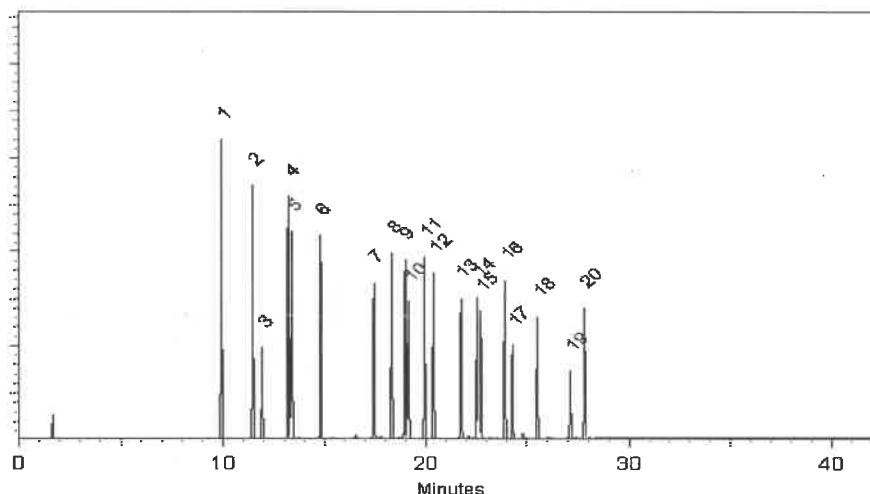
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



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

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023

Balance Serial # B442140311

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

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



CERTIFIED WEIGHT REPORT

Part Number: **19161**
 Lot Number: **013124**
 Description: **CLP Pesticides & PCB's Resolution Check Standard**
 9 components
 Expiration Date: **013129**
 Recommended Storage: **Refrigerate (4 °C)**
 Nominal Concentration (µg/mL): **Varied**
 NIST Test ID#: **6UTB**

Solvent(s):
 Hexane 273615 (50%)
 Toluene 28508 (50%)

Volume(s) shown below were combined and diluted to (mL): 100.0
 5E-05 Balance Uncertainty
 0.021 Flask Uncertainty

		013124
Formulated By:	Lawrence Barry	DATE
		013124
Reviewed By:	Pedro L. Rentas	DATE

Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.)		
									CAS#	OSHA PEL (TWA)	LD50
1. trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	ori-rat 500mg/kg
2. Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	ori-rat 18mg/kg
3. 4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	ori-rat 880mg/kg
4. Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	ori-rat 38300ug/kg
5. Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	ori-rat 18mg/kg
6. Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7. 4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	ori-rat 6000mg/kg
8. 2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9. Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 • Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 • Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 • All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 • Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

P13243 } (5)
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 P13247 }
 ↓
 02/9/2024



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
↓
P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

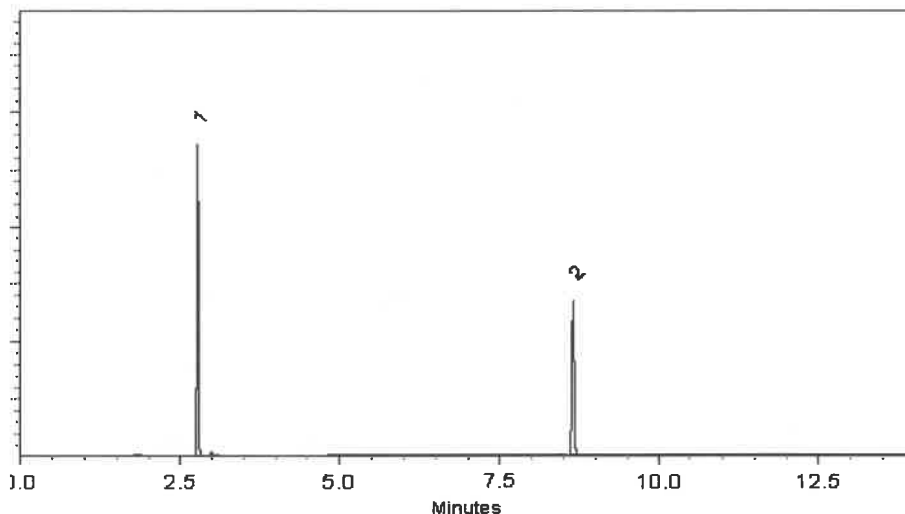
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



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

Laith Clemente
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

P13348
↓
P13357
10

SAUF
04/25/2025



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
↓
P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

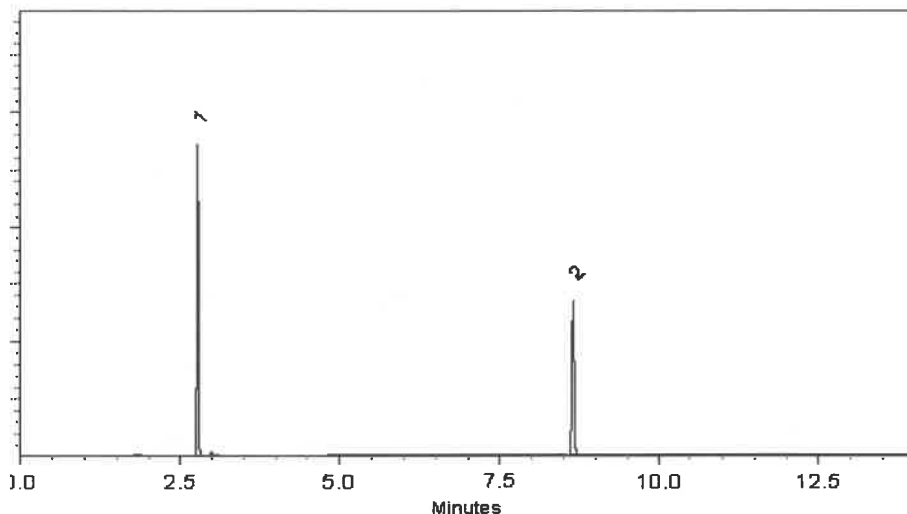
ECD

Split Vent:

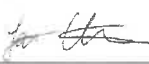
10 ml/min.

Inj. Vol

1µl

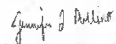


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Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

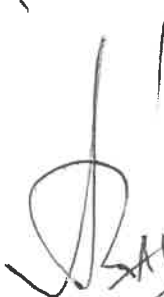
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P 13348
↓
P 13357
10


SAUF
04/25/2025



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Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348
↓
P13357
10
DAUF
04/25/2024

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

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

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

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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:

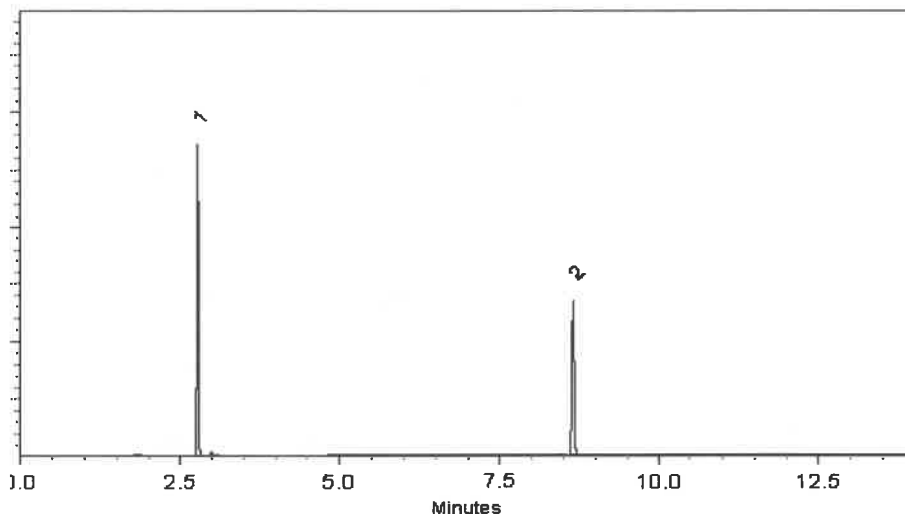
ECD

Split Vent:

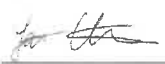
10 ml/min.

Inj. Vol

1µl

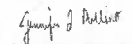


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Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

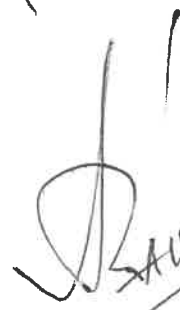
Balance Serial # 1128360905


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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

P 13348
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P 13357
10


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04/25/2025



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chromatographic plus



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

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

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

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.0 µg/mL	+/- 55.9920

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

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

P 13358
↓
P 13369
(12)

[Signature]
05-06-2024

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

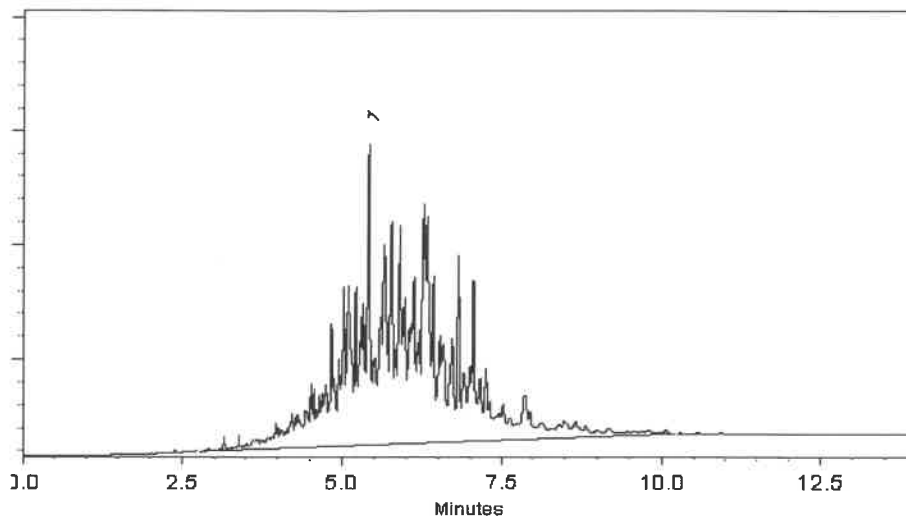
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl



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


Dakota Parson - Operations Technician I

Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

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

P13358 } (12)
↓
P13369
|


05-06-2024



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32005 **Lot No.:** A0203038

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

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

Expiration Date : January 31, 2028 **Storage:** 10°C or colder
Ship: Ambient

P13402
P13406
5/22/2021

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:

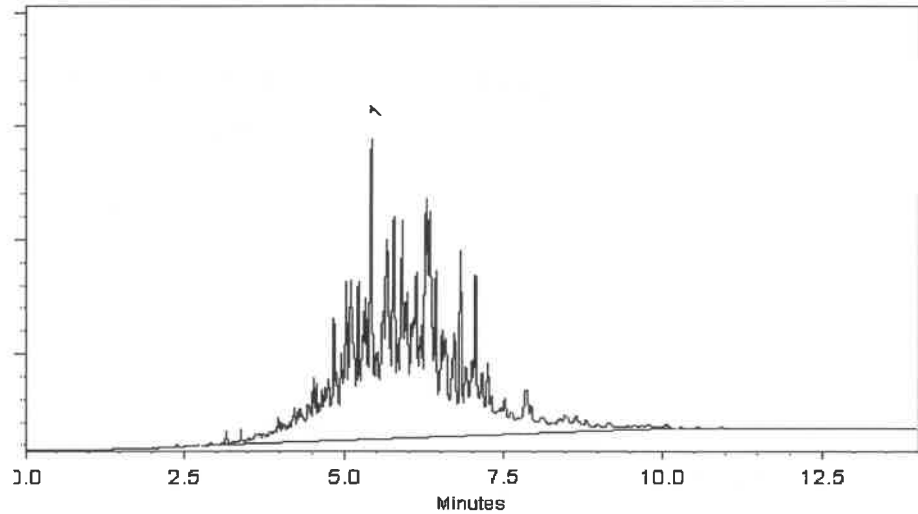
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

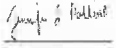


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Dakota Parson - Operations Technician I

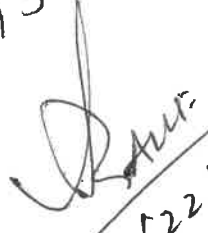
Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

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

P13402
↓
P13406 } (5)

5/22/2024



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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:

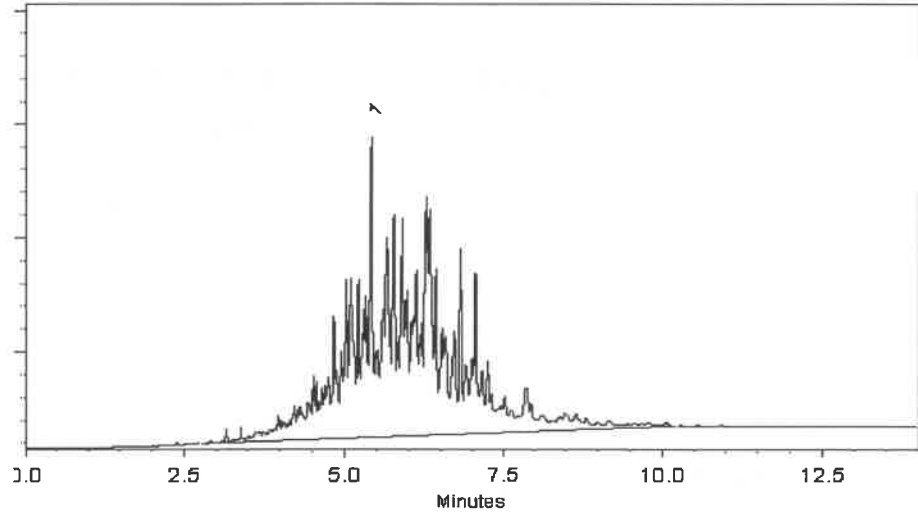
ECD

Split Vent:

300 ml/min.

Inj. Vol

0.2µl

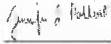


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Dakota Parson - Operations Technician I

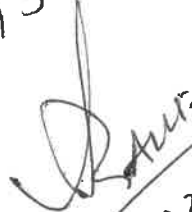
Date Mixed: 10-Oct-2023

Balance Serial # 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Oct-2023

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

P13402
↓
P13406 } (5)

5/22/2024



SHIPPING DOCUMENTS

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Q1211



Weston COC ID
Weston_20250128_1605

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:	Yazmeen Gomez
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 properly preserved?	Y	N
Received within holding times?	Y	N
Discrepancies between sample labels and COC record?	Y	N

Analyses Requested:	DRO by EPA 8015D	Pesticides by EPA 8081B	SVOCs by EPA 8270E	O&G by EPA 1664A	Hardness by EPA 200	Anions by EPA 9056A	TOC by EPA 9060A/Lloyd Kahn	GRO by EPA 8015D	VOCs by EPA 8260D	Hex Cr by EPA	Ammonia by SM4500-NH3 B P	Metals w/ Hg by EPA 6020B/17470A
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	Ice to 0-6	Ice to 0-6	H2SO4 to <	HNO3 to pH	Ice to 0-6	H2SO4 to <	HCL to PH	HCL to Ph	Ammonium	H2SO4: Ice	HNO3 to pH

#	Sample ID	G/C	Matrix	# Cont	MS/MSD	Date Collected	Time Collected													Special Instructions/Comments
1	TAPHHA-MW01-012825-00-T4	g	GW	19	no	1/28/2025	12:00	X	X	X	X	X	X	X	X	X	X	X	X	
2	TAPIAL2-MW03-012825-00-T3	g	GW	19	no	1/28/2025	14:55	X	X	X	X	X	X	X	X	X	X	X	X	
3	TAP-TB-02-012825-T4	g	W	2	no	1/28/2025	12:05								X					
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Shipping Airbill Number: 77173295 4230, 77173295 4240						Cooler Number: 1/2 of 2		
Relinquished By		Date	Time	Received By		Date	Time	Additional Comments
1.)	[Signature]	1/28/25	1710	[Signature]		1-29-25	10:00	
2.)								
3.)								

2.1", 2.3"

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 : Q1211	WEST04	Order Date : 1/29/2025 10:10:00 AM	Project Mgr :
Client Name : Weston Solutions		Project Name : Ft Meade Tipton Airfield Pa	Report Type : Level 4
Client Contact : Nathan Fretz		Receive DateTime : 1/29/2025 10:00:00 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
Q1211-01	~~TPHHA-MW01-012825-00-T4~~ TAPHHA-MW01-012825-00-T4	Water	01/28/2025	12:00	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1211-02	TAPIAL2-MW03-012825-00-T3	Water	01/28/2025	14:55	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1211-03	TAP-TB-02-012825-T4	Water	01/28/2025	12:05	VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By :

Date / Time : 1-29-25 1125

Received By :

Date / Time :

Storage Area : VOA Refridgerator Room

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
 Data File : PL093726.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Jan 2025 10:30
 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 21 14:04:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:02:23 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.775	49897579	58438387	18.530	17.903
28)	SA Decachlor...	9.052	7.909	37808316	62882920	18.074	17.946
Target Compounds							
2)	A alpha-BHC	3.994	3.277	36373358	42163610	9.487	8.624
3)	MA gamma-BHC...	4.326	3.607	34234012	39348781	9.296	8.299
5)	MB Aldrin	0.000	4.240f	0	192050	N.D.	0.042 #
6)	B beta-BHC	4.525	3.907	15730216	19569860	9.787	9.797
7)	B delta-BHC	0.000	4.133	0	143143	N.D.	0.030 #
8)	B Heptachlo...	0.000	4.735	0	88960	N.D.	0.021 #
9)	A Endosulfan I	0.000	5.096	0	44117	N.D.	0.011 #
10)	B gamma-Chl...	0.000	4.984	0	751320	N.D.	0.177 #
11)	B alpha-Chl...	0.000	5.034	0	155684	N.D.	0.037 #
12)	B 4,4'-DDE	0.000	5.230	0	775354	N.D.	0.193 #
13)	MA Dieldrin	0.000	5.373	0	563362	N.D.	0.131 #
14)	MA Endrin	6.572	5.636	96765137	157.7E6	41.268	42.705
15)	B Endosulfa...	6.815f	5.944	2199409	1088029	0.913	0.294 #
16)	A 4,4'-DDD	6.709	5.785	4693579	5600389	2.470	1.774 #
17)	MA 4,4'-DDT	7.022	6.034	162.5E6	314.0E6	82.406	96.508
18)	B Endrin al...	6.922	6.109	2964016	6776503	1.525	2.226 #
20)	A Methoxychlor	7.498	6.609	198.6E6	375.4E6	190.379	209.937
21)	B Endrin ke...	7.640	6.838	5274952	9599279	2.091	2.288

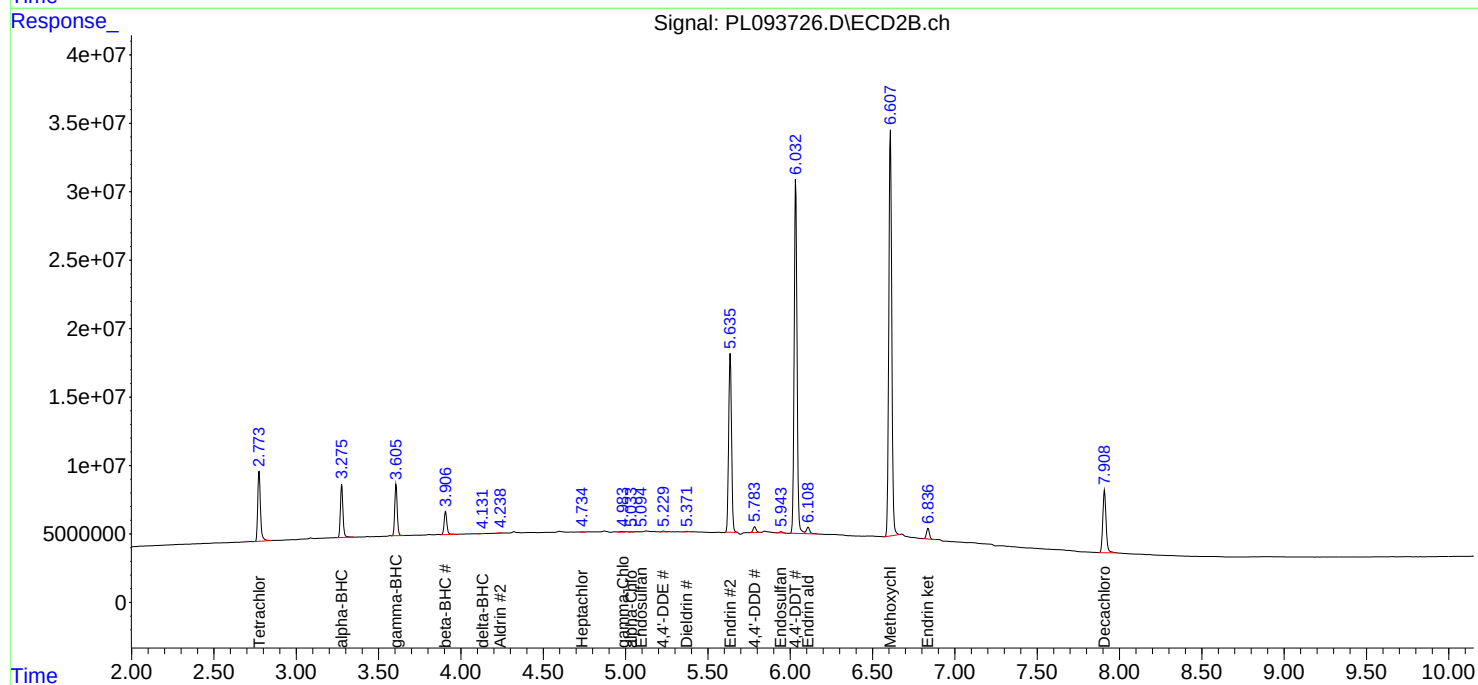
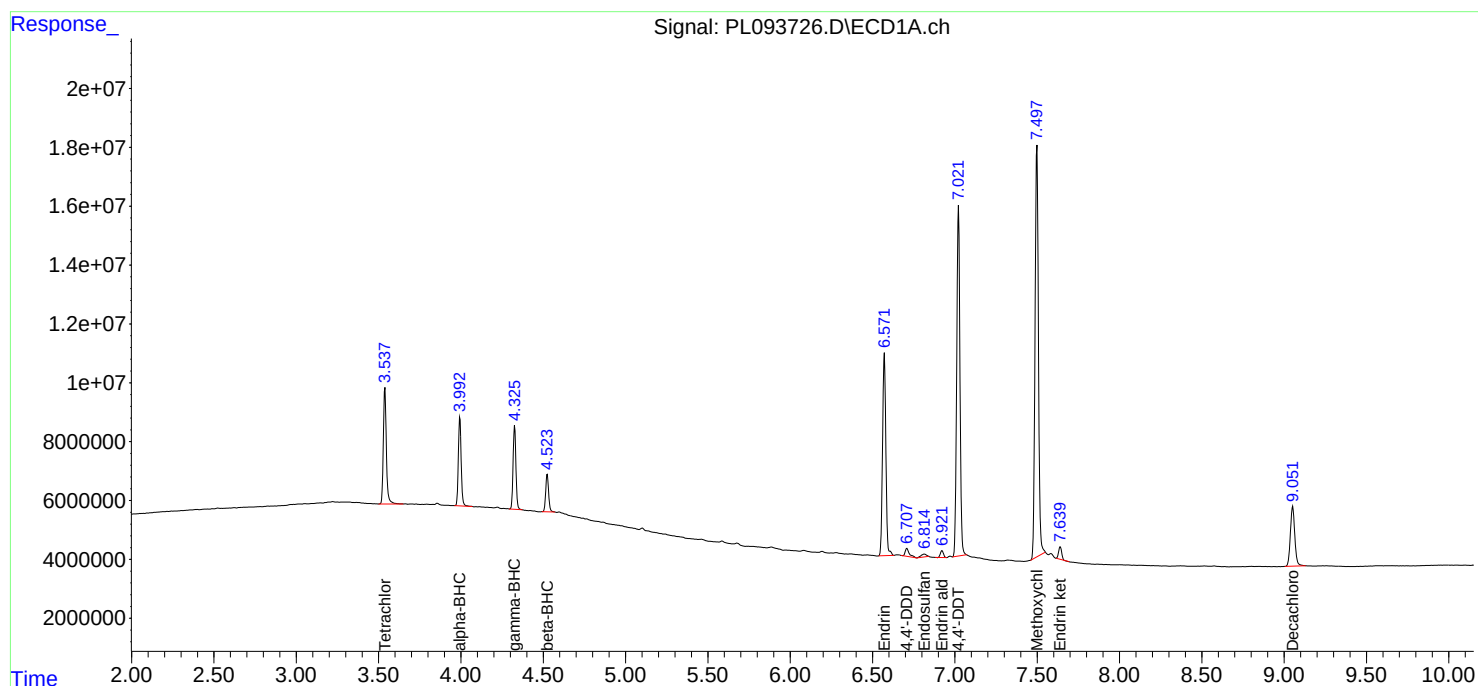
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

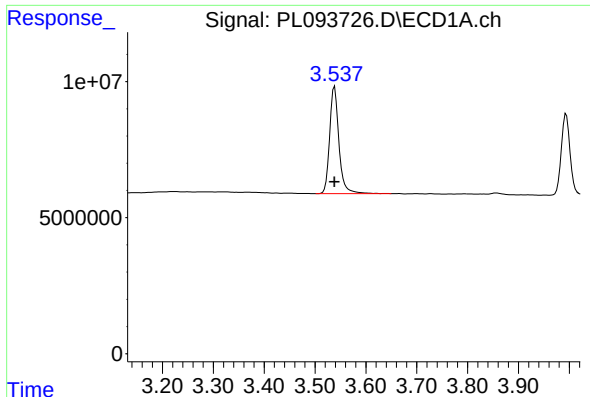
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL012125\
Data File : PL093726.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jan 2025 10:30
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 21 14:04:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:02:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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

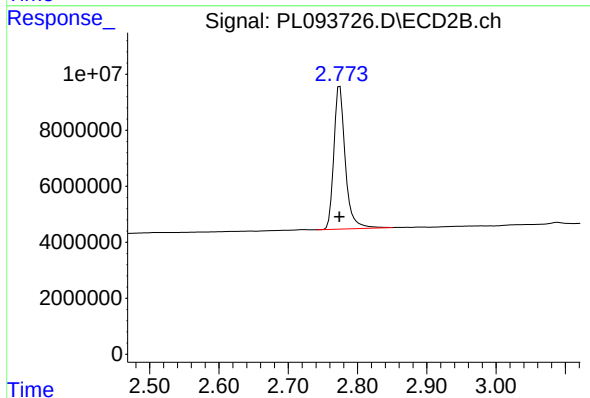




#1 Tetrachloro-m-xylene

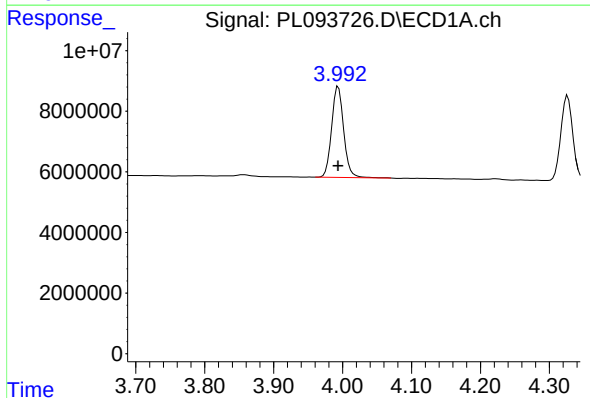
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 49897579
Conc: 18.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



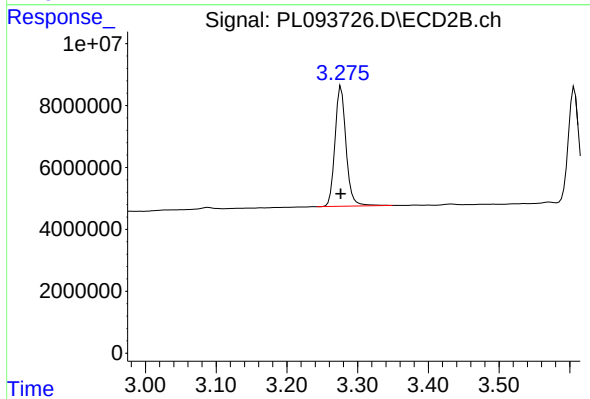
#1 Tetrachloro-m-xylene

R.T.: 2.775 min
Delta R.T.: 0.000 min
Response: 58438387
Conc: 17.90 ng/ml



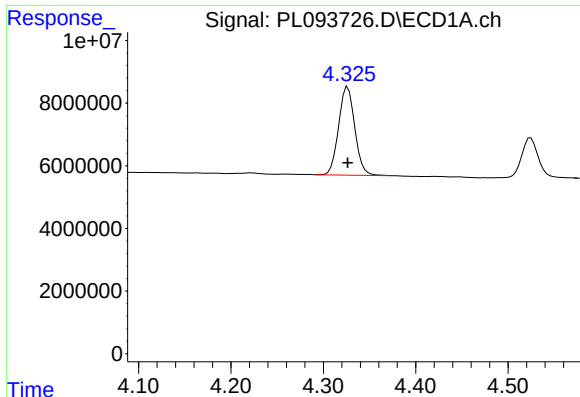
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 36373358
Conc: 9.49 ng/ml



#2 alpha-BHC

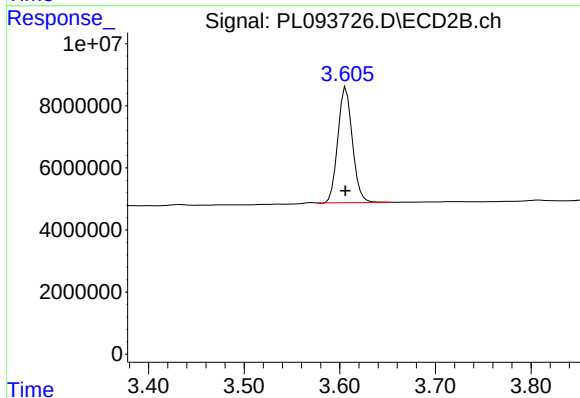
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 42163610
Conc: 8.62 ng/ml



#3 gamma-BHC (Lindane)

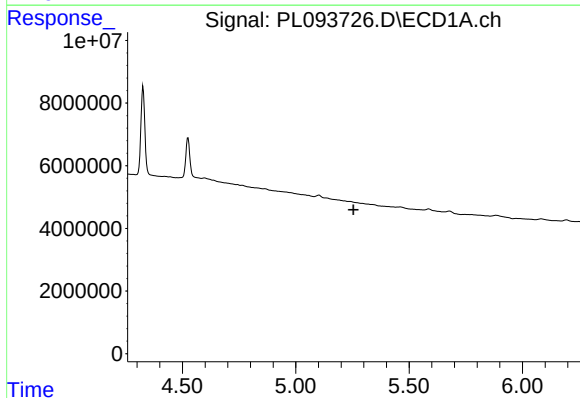
R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 34234012
Conc: 9.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



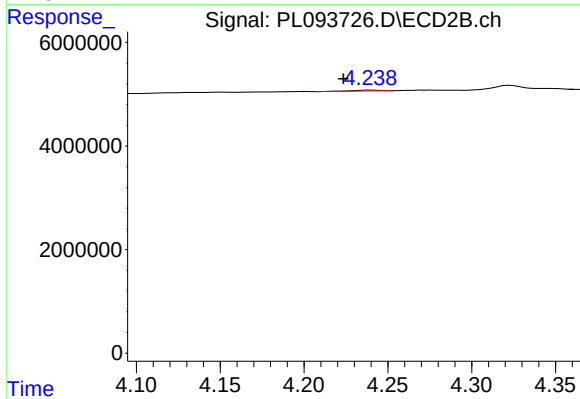
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 39348781
Conc: 8.30 ng/ml



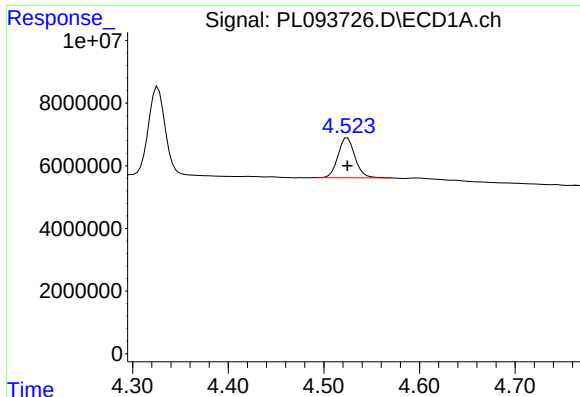
#5 Aldrin

R.T.: 0.000 min
Exp R.T. : 5.255 min
Response: 0
Conc: N.D.



#5 Aldrin

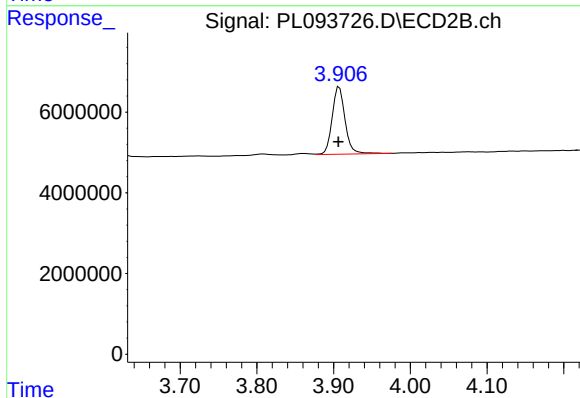
R.T.: 4.240 min
Delta R.T.: 0.017 min
Response: 192050
Conc: 0.04 ng/ml



#6 beta-BHC

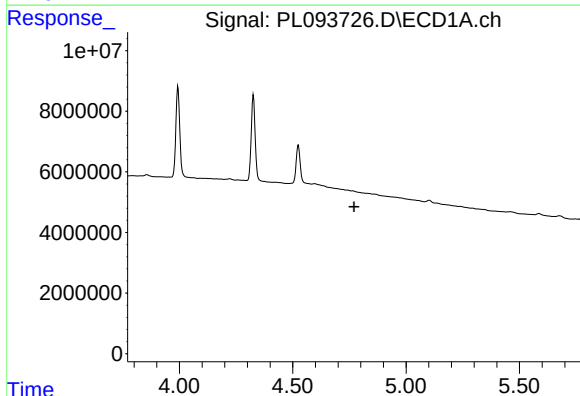
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 15730216
Conc: 9.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



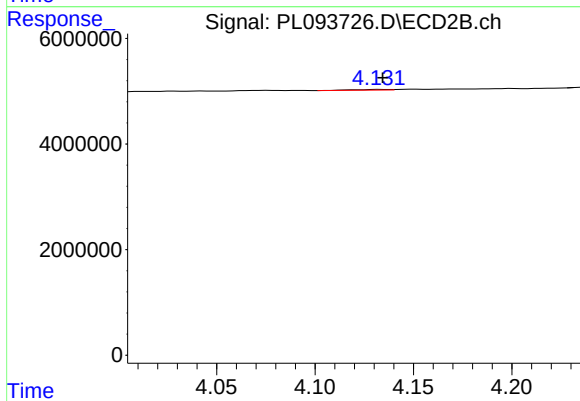
#6 beta-BHC

R.T.: 3.907 min
Delta R.T.: 0.001 min
Response: 19569860
Conc: 9.80 ng/ml



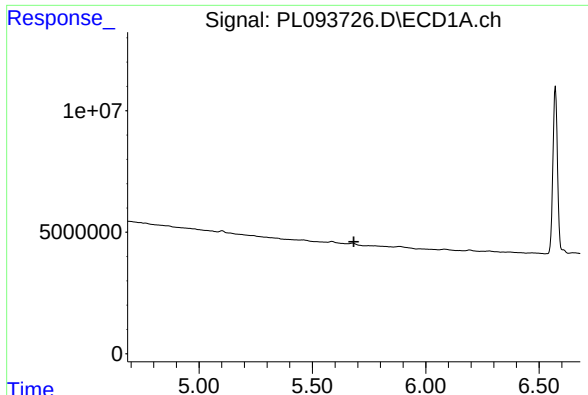
#7 delta-BHC

R.T.: 0.000 min
Exp R.T. : 4.771 min
Response: 0
Conc: N.D.



#7 delta-BHC

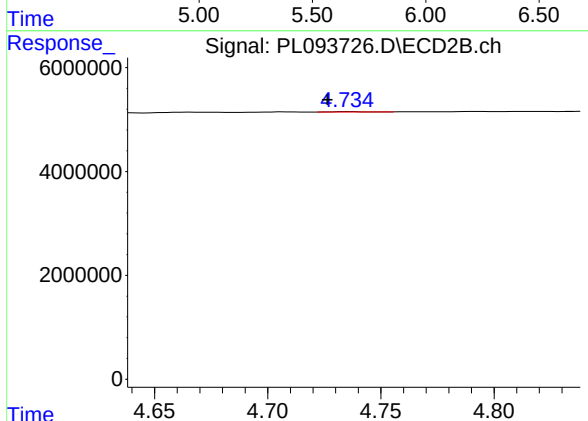
R.T.: 4.133 min
Delta R.T.: -0.002 min
Response: 143143
Conc: 0.03 ng/ml



#8 Heptachlor epoxide

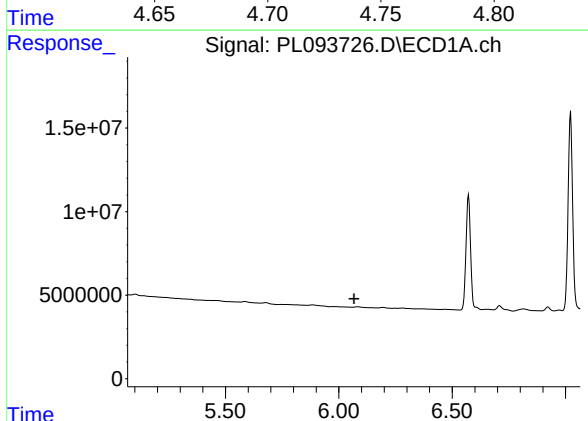
R.T.: 0.000 min
Exp R.T.: 5.682 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



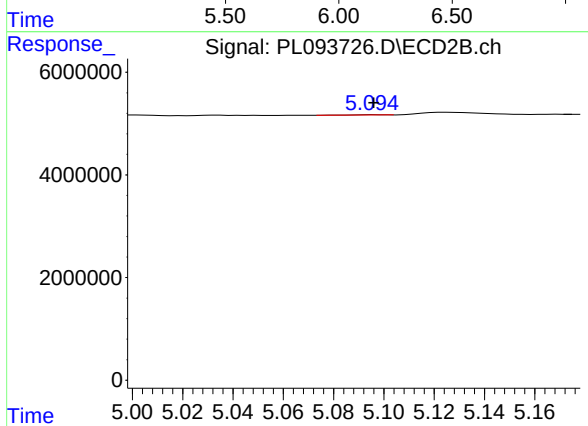
#8 Heptachlor epoxide

R.T.: 4.735 min
Delta R.T.: 0.009 min
Response: 88960
Conc: 0.02 ng/ml



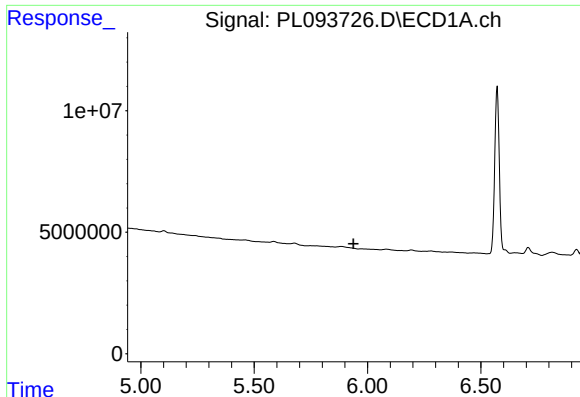
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T.: 6.068 min
Response: 0
Conc: N.D.



#9 Endosulfan I

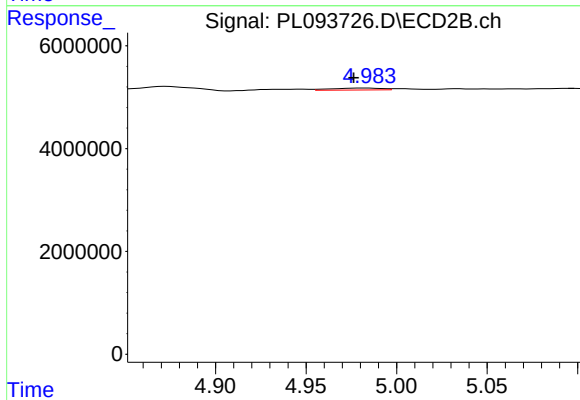
R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 44117
Conc: 0.01 ng/ml



#10 gamma-Chlordane

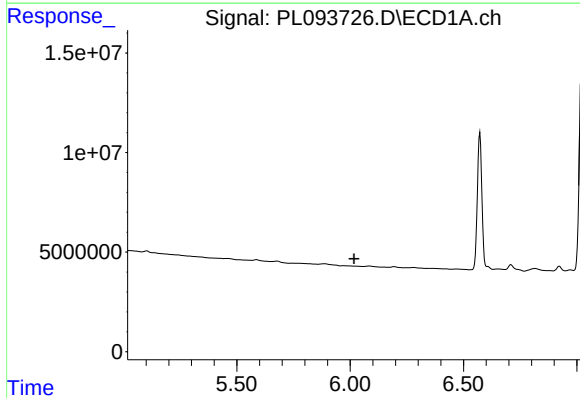
R.T.: 0.000 min
Exp R.T.: 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



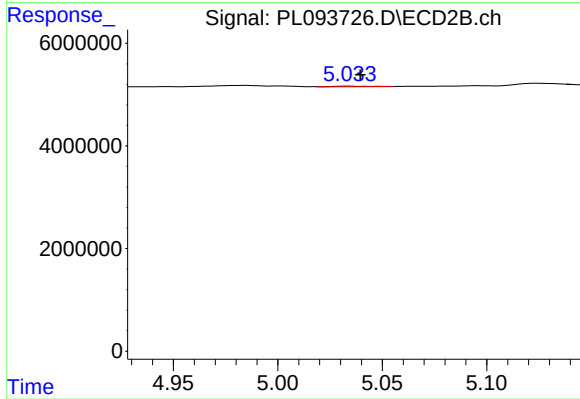
#10 gamma-Chlordane

R.T.: 4.984 min
Delta R.T.: 0.007 min
Response: 751320
Conc: 0.18 ng/ml



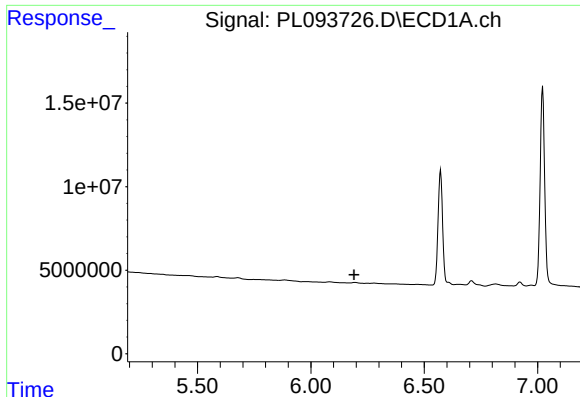
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T.: 6.017 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

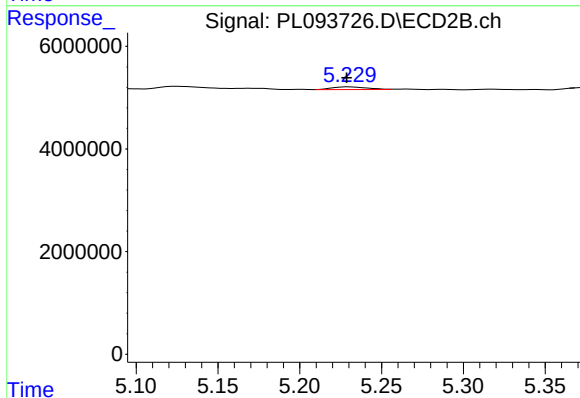
R.T.: 5.034 min
Delta R.T.: -0.005 min
Response: 155684
Conc: 0.04 ng/ml



#12 4,4'-DDE

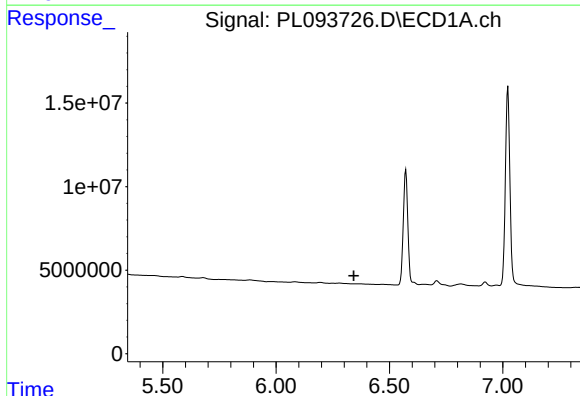
R.T.: 0.000 min
Exp R.T.: 6.191 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



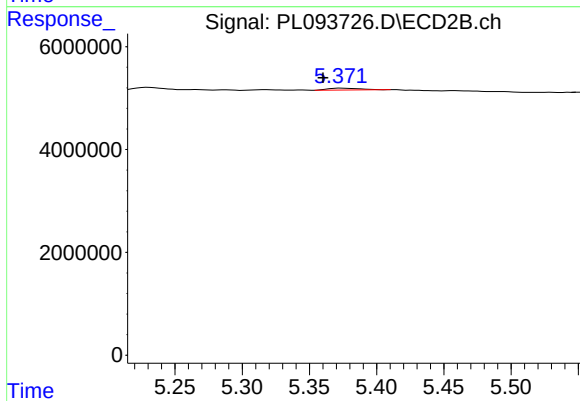
#12 4,4'-DDE

R.T.: 5.230 min
Delta R.T.: 0.002 min
Response: 775354
Conc: 0.19 ng/ml



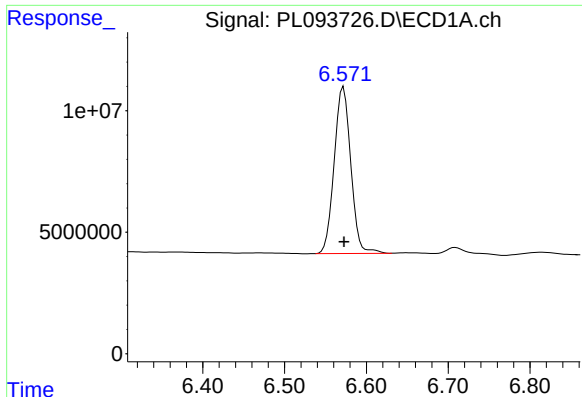
#13 Dieldrin

R.T.: 0.000 min
Exp R.T.: 6.343 min
Response: 0
Conc: N.D.



#13 Dieldrin

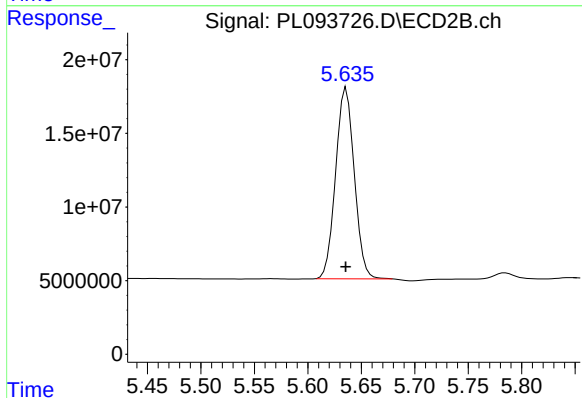
R.T.: 5.373 min
Delta R.T.: 0.013 min
Response: 563362
Conc: 0.13 ng/ml



#14 Endrin

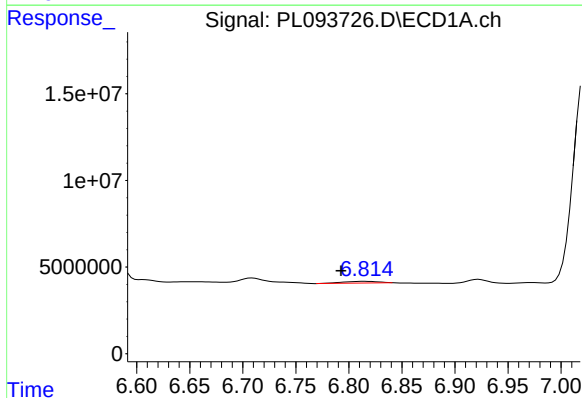
R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 96765137
Conc: 41.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



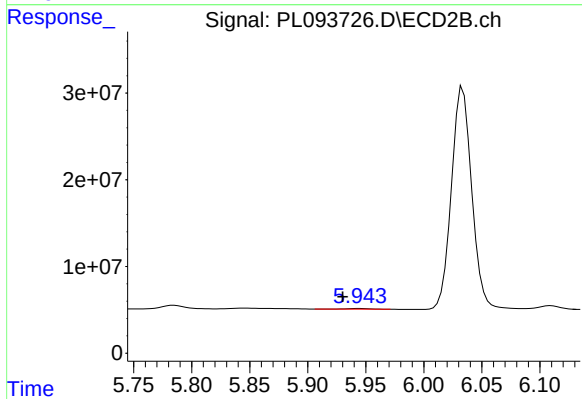
#14 Endrin

R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 157695792
Conc: 42.70 ng/ml



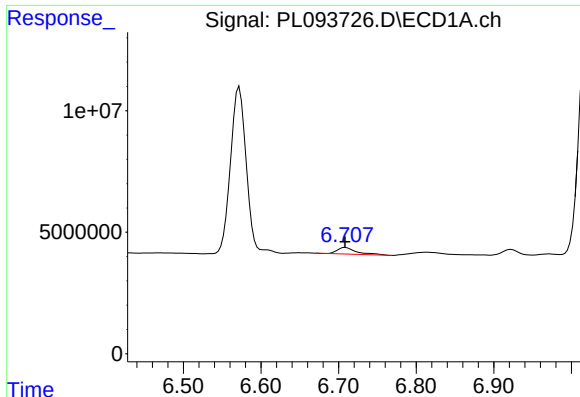
#15 Endosulfan II

R.T.: 6.815 min
Delta R.T.: 0.023 min
Response: 2199409
Conc: 0.91 ng/ml



#15 Endosulfan II

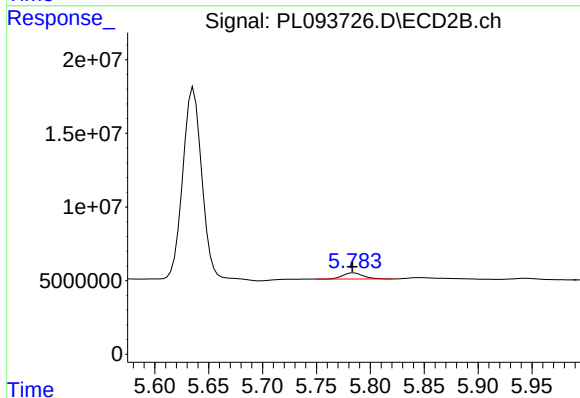
R.T.: 5.944 min
Delta R.T.: 0.014 min
Response: 1088029
Conc: 0.29 ng/ml



#16 4,4'-DDD

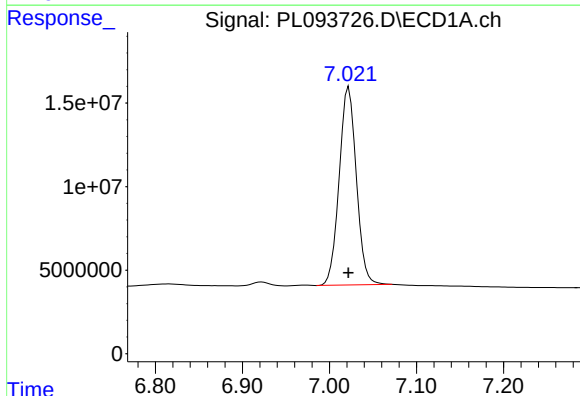
R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 4693579
Conc: 2.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



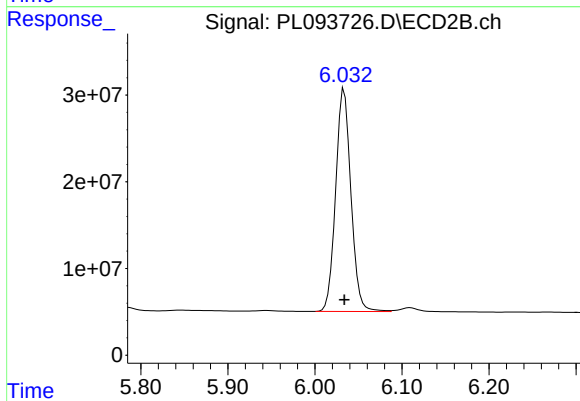
#16 4,4'-DDD

R.T.: 5.785 min
Delta R.T.: 0.001 min
Response: 5600389
Conc: 1.77 ng/ml



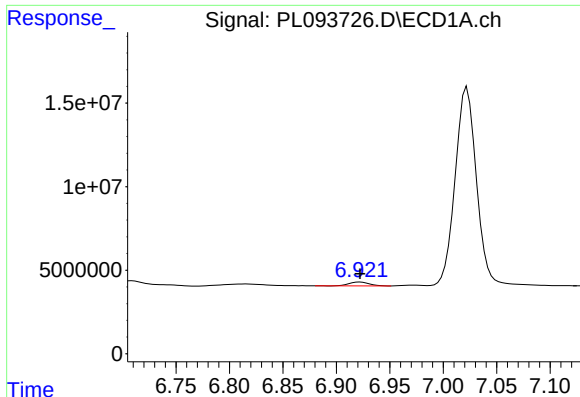
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 162509370
Conc: 82.41 ng/ml



#17 4,4'-DDT

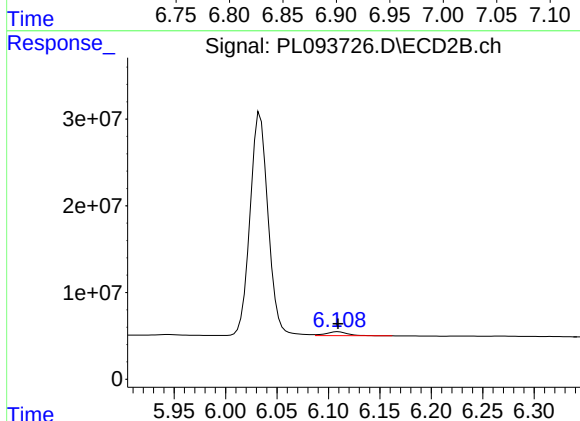
R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 314041690
Conc: 96.51 ng/ml



#18 Endrin aldehyde

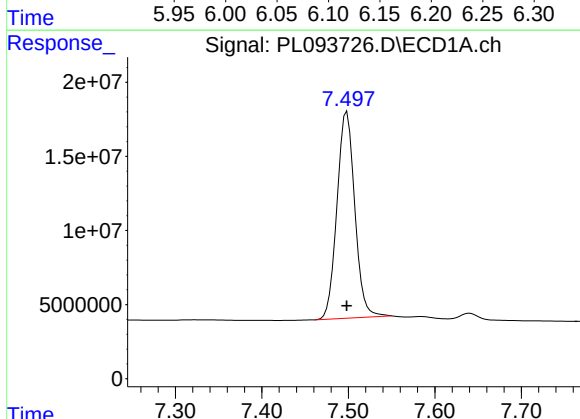
R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 2964016
Conc: 1.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



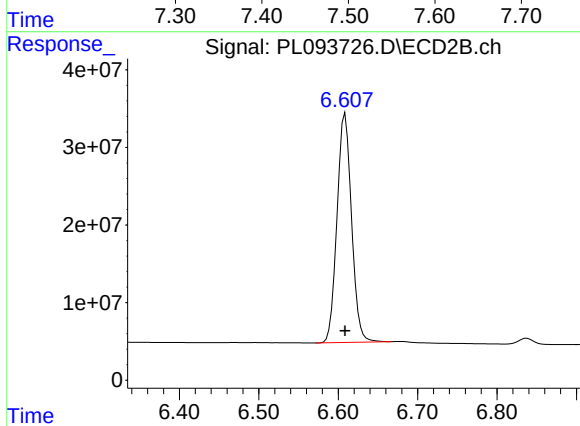
#18 Endrin aldehyde

R.T.: 6.109 min
Delta R.T.: 0.000 min
Response: 6776503
Conc: 2.23 ng/ml



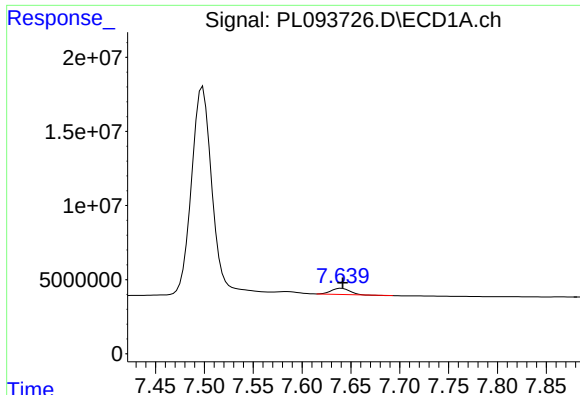
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 198641245
Conc: 190.38 ng/ml



#20 Methoxychlor

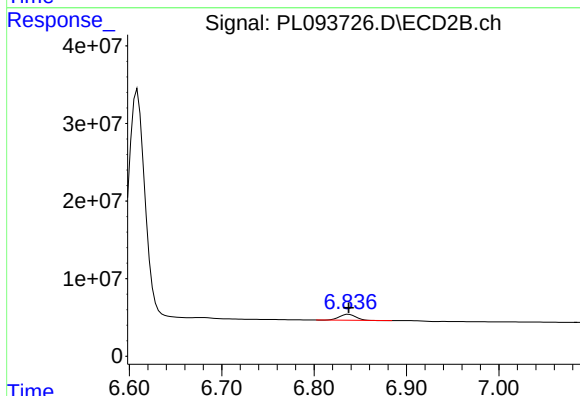
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 375396697
Conc: 209.94 ng/ml



#21 Endrin ketone

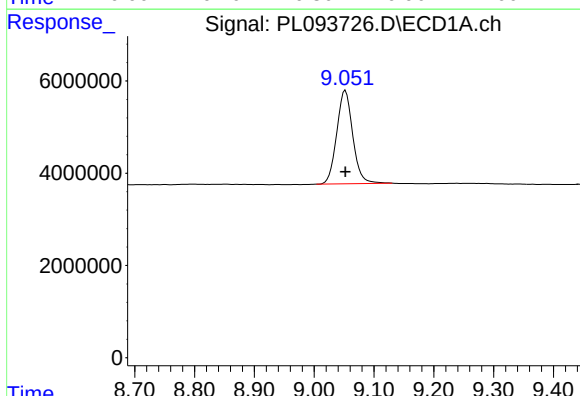
R.T.: 7.640 min
Delta R.T.: -0.001 min
Response: 5274952
Conc: 2.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



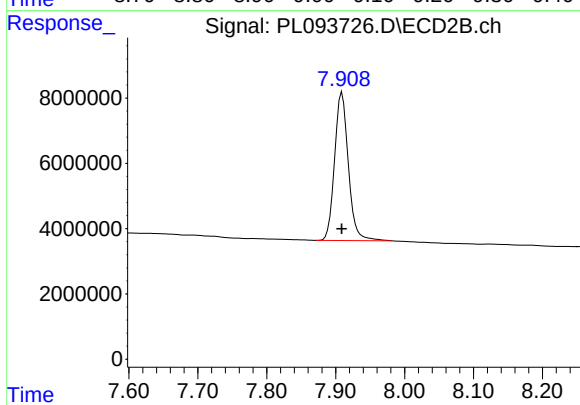
#21 Endrin ketone

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 9599279
Conc: 2.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: 0.000 min
Response: 37808316
Conc: 18.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 62882920
Conc: 17.95 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
 Data File : PL093929.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Jan 2025 11:04
 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: Feb 01 00:23:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.536	2.773	59160870	68856501	21.970	21.095
28)	SA Decachlor...	9.055	7.909	43538365	71991432	20.813	20.545
Target Compounds							
2)	A alpha-BHC	3.993	3.276	44899644	49070780	11.711	10.037
3)	MA gamma-BHC...	4.325	3.606	42528053	44605929	11.548	9.408
4)	MA Heptachlor	0.000	3.952	0	33873	N.D.	0.007 #
5)	MB Aldrin	0.000	4.206f	0	76326	N.D.	0.017 #
6)	B beta-BHC	4.524	3.906	19203907	21501109	11.948	10.764
8)	B Heptachlo...	5.680	4.744f	3932300	-16296	1.322	N.D. #
9)	A Endosulfan I	0.000	5.124f	0	1736850	N.D.	0.448 #
10)	B gamma-Chl...	0.000	4.992f	0	4530943	N.D.	1.069 #
11)	B alpha-Chl...	0.000	5.058f	0	4838311	N.D.	1.156 #
12)	B 4,4'-DDE	0.000	5.231	0	431689	N.D.	0.108 #
14)	MA Endrin	6.573	5.636	121.5E6	194.2E6	51.824	52.601
15)	B Endosulfa...	6.802	5.935	2883281	360774	1.197	0.097 #
16)	A 4,4'-DDD	6.710	5.784	3065155	1766731	1.613	0.560 #
17)	MA 4,4'-DDT	7.023	6.034	220.2E6	385.2E6	111.678	118.388
18)	B Endrin al...	6.923	6.110	3204040	5122986	1.648	1.683
20)	A Methoxychlor	7.499	6.609	275.2E6	477.2E6	263.715	266.852
21)	B Endrin ke...	7.642	6.838	6132437	7415103	2.431	1.768 #
22)	Mirex	0.000	7.021	0	102308	N.D.	0.030 #
23)	Chlordane-1	0.000	3.768	0	70027	N.D.	0.561 #
24)	Chlordane-2	0.000	4.323f	0	1674775	N.D.	11.415 #
25)	Chlordane-3	0.000	4.992	0	4530943	N.D.	10.420 #
26)	Chlordane-4	0.000	5.058f	0	4838311	N.D.	11.420 #
27)	Chlordane-5	0.000	5.935	0	360774	N.D.	2.355 #

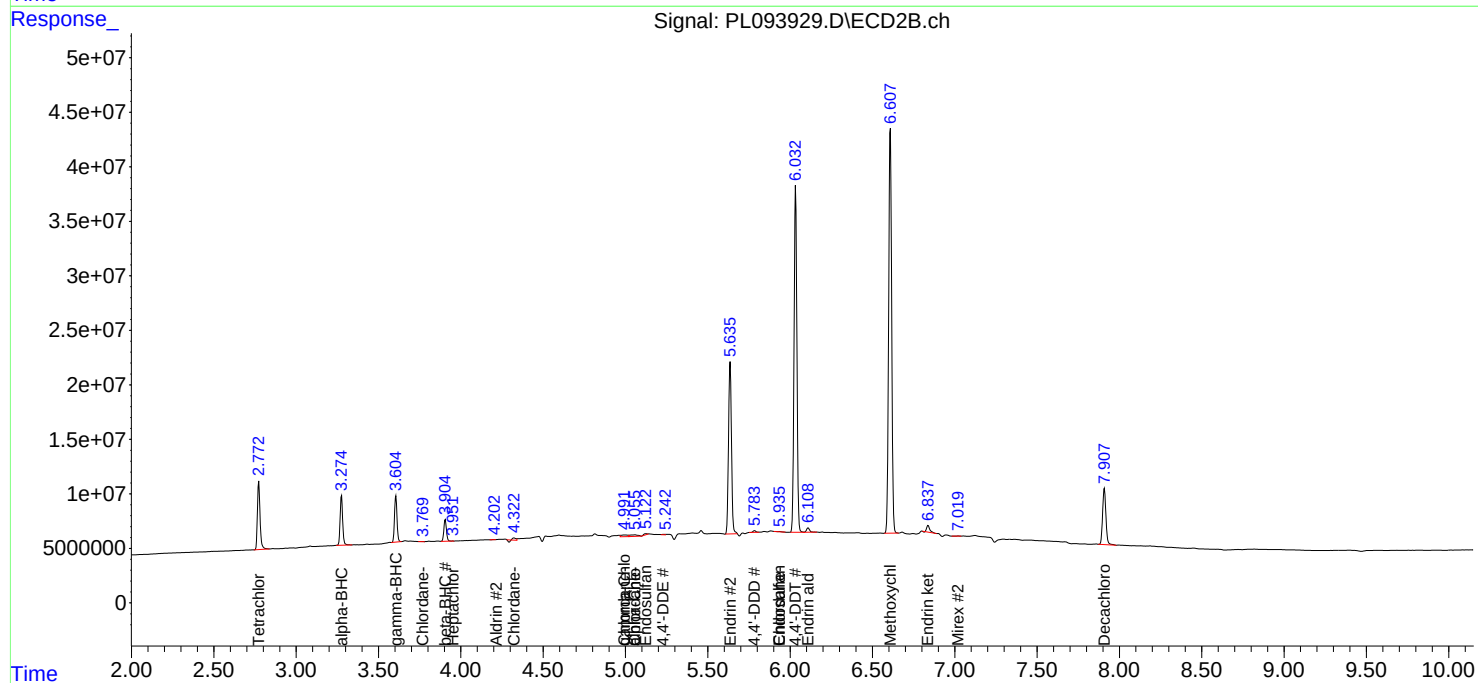
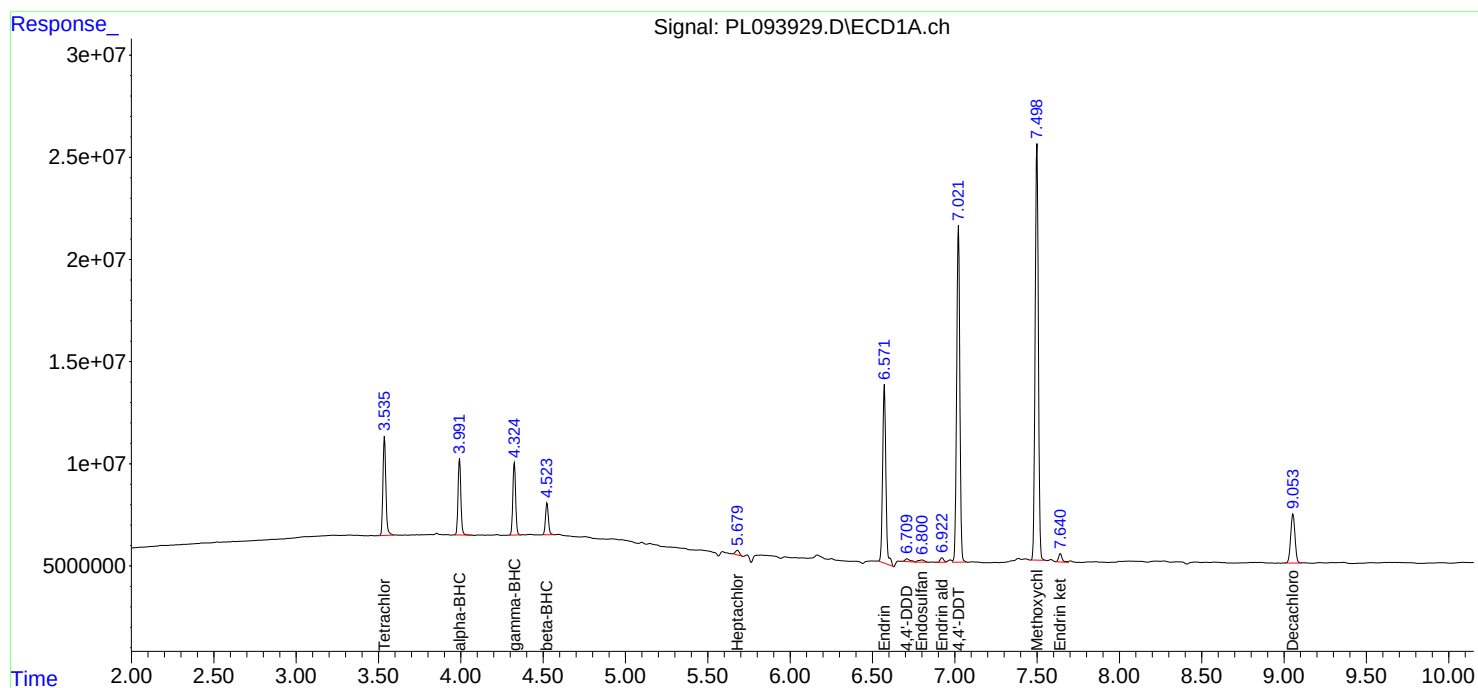
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

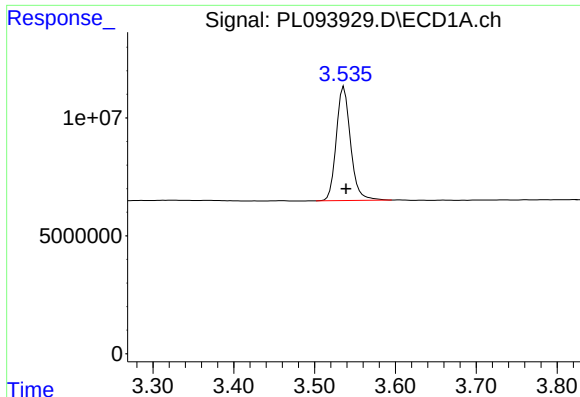
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093929.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 11:04
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 00:23:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

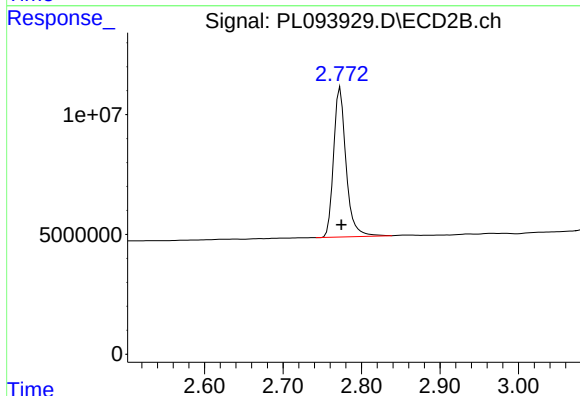




#1 Tetrachloro-m-xylene

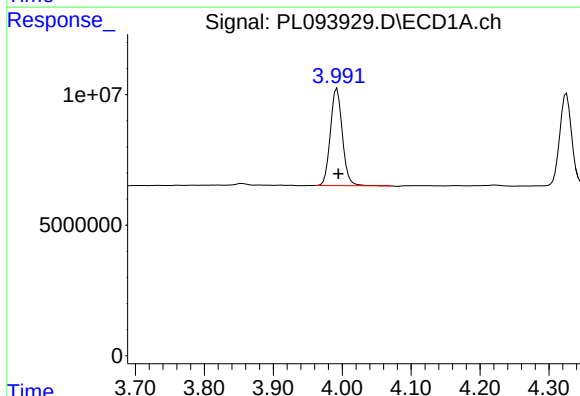
R.T.: 3.536 min
Delta R.T.: -0.003 min
Response: 59160870
Conc: 21.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



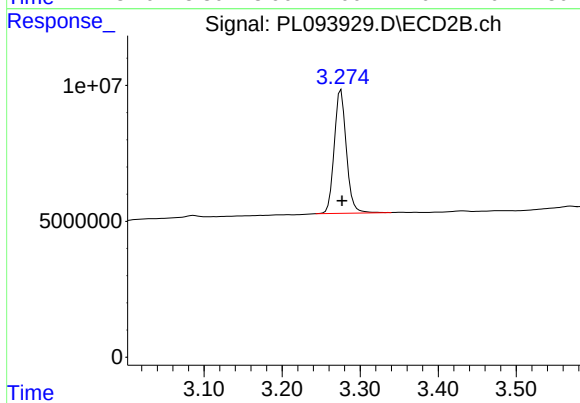
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: -0.002 min
Response: 68856501
Conc: 21.09 ng/ml



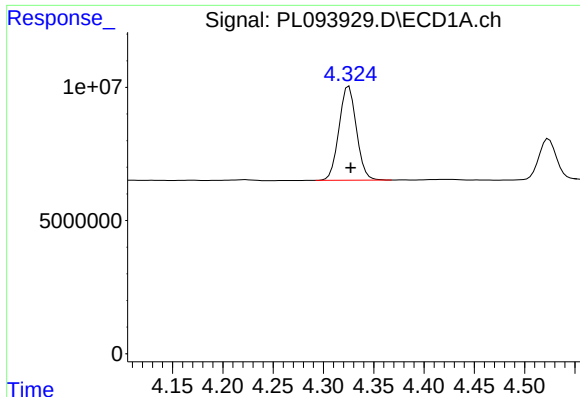
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.002 min
Response: 44899644
Conc: 11.71 ng/ml



#2 alpha-BHC

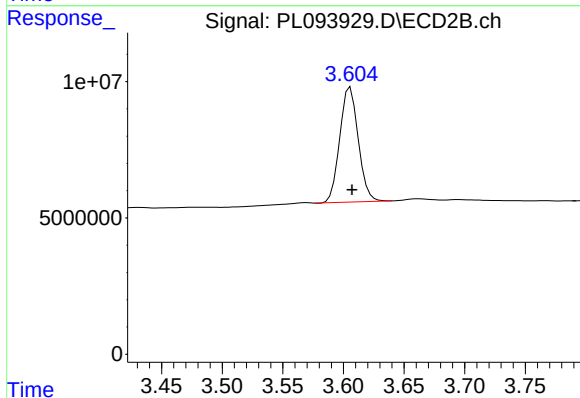
R.T.: 3.276 min
Delta R.T.: -0.001 min
Response: 49070780
Conc: 10.04 ng/ml



#3 gamma-BHC (Lindane)

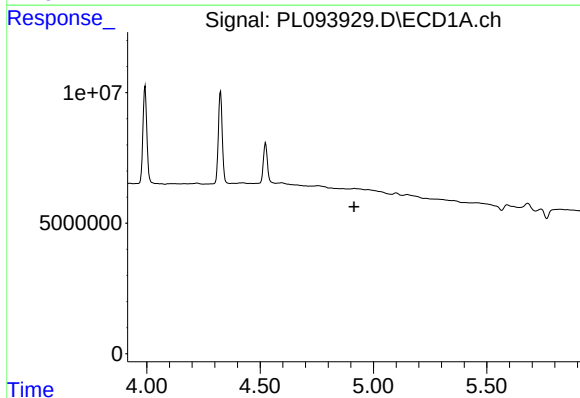
R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 42528053
Conc: 11.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



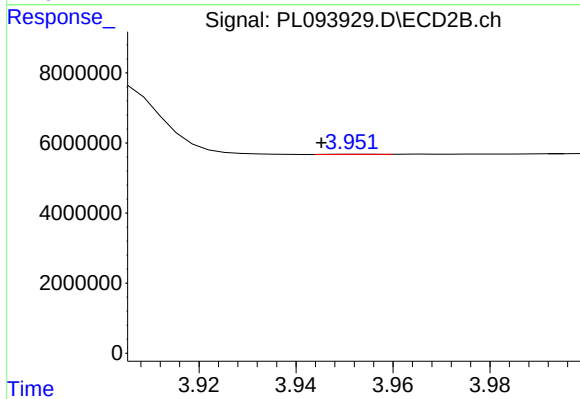
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: -0.001 min
Response: 44605929
Conc: 9.41 ng/ml



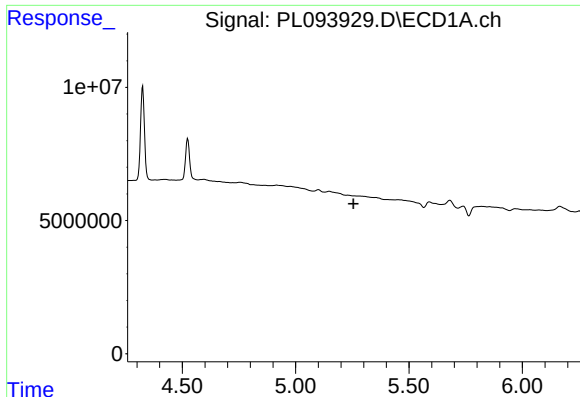
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 4.914 min
Response: 0
Conc: N.D.



#4 Heptachlor

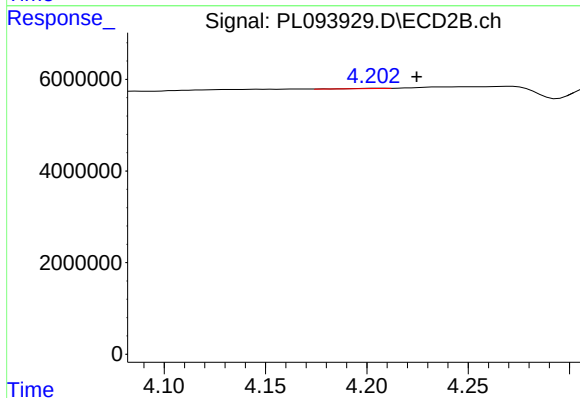
R.T.: 3.952 min
Delta R.T.: 0.007 min
Response: 33873
Conc: 0.01 ng/ml



#5 Aldrin

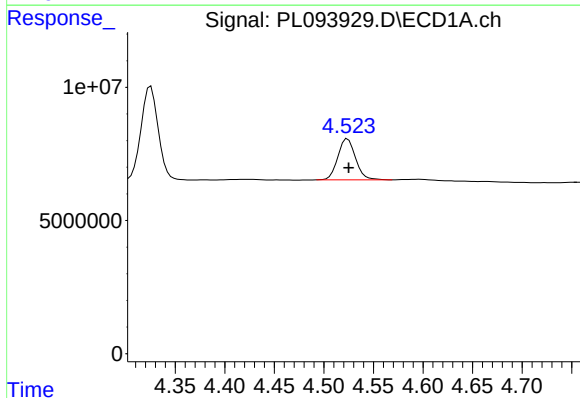
R.T.: 0.000 min
Exp R.T.: 5.256 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



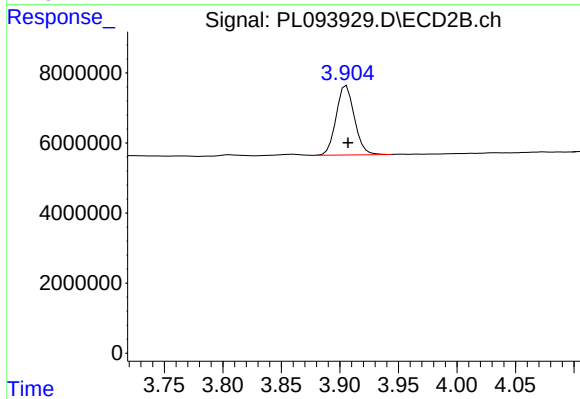
#5 Aldrin

R.T.: 4.206 min
Delta R.T.: -0.019 min
Response: 76326
Conc: 0.02 ng/ml



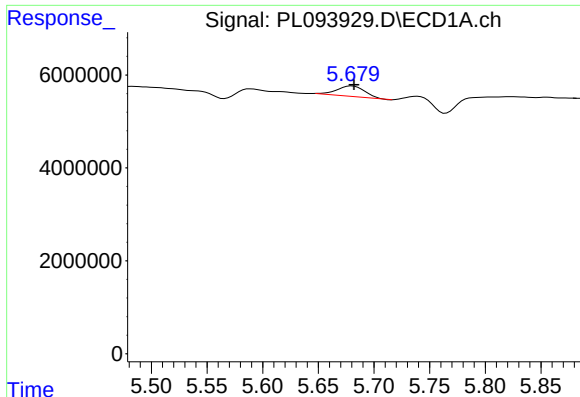
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.001 min
Response: 19203907
Conc: 11.95 ng/ml



#6 beta-BHC

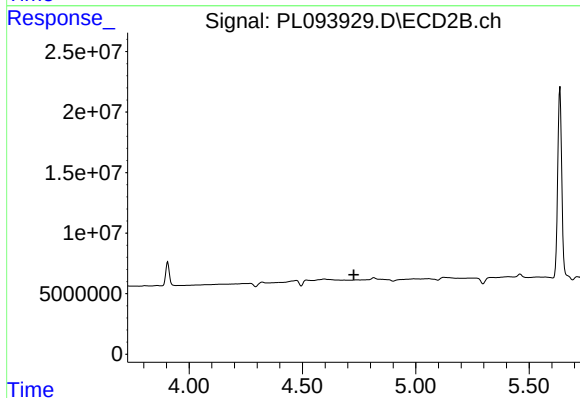
R.T.: 3.906 min
Delta R.T.: -0.001 min
Response: 21501109
Conc: 10.76 ng/ml



#8 Heptachlor epoxide

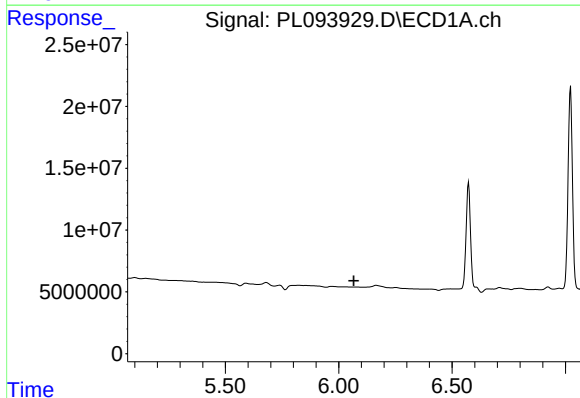
R.T.: 5.680 min
Delta R.T.: -0.002 min
Response: 3932300
Conc: 1.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



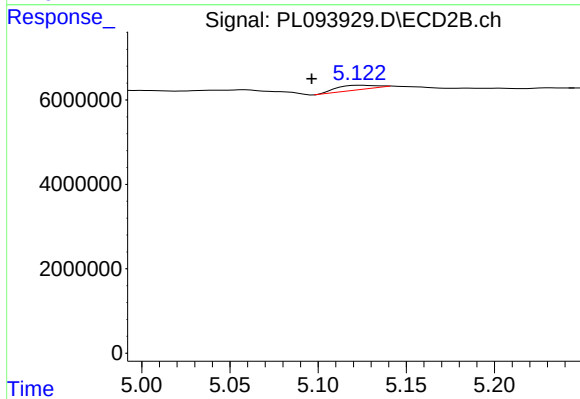
#8 Heptachlor epoxide

R.T.: 4.744 min
Delta R.T.: 0.017 min
Response: -16296
Conc: N.D.



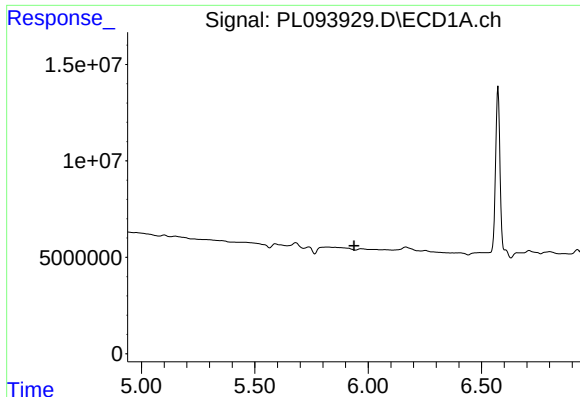
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T. : 6.067 min
Response: 0
Conc: N.D.



#9 Endosulfan I

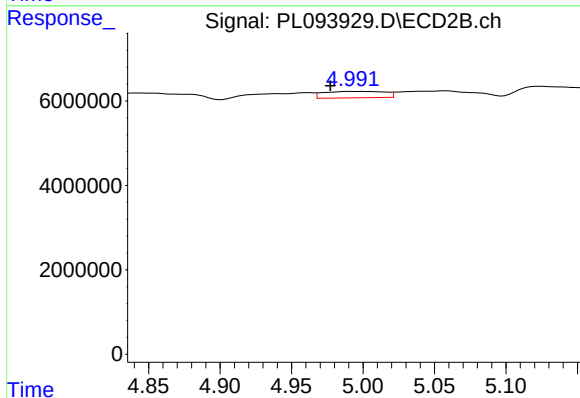
R.T.: 5.124 min
Delta R.T.: 0.028 min
Response: 1736850
Conc: 0.45 ng/ml



#10 gamma-Chlordane

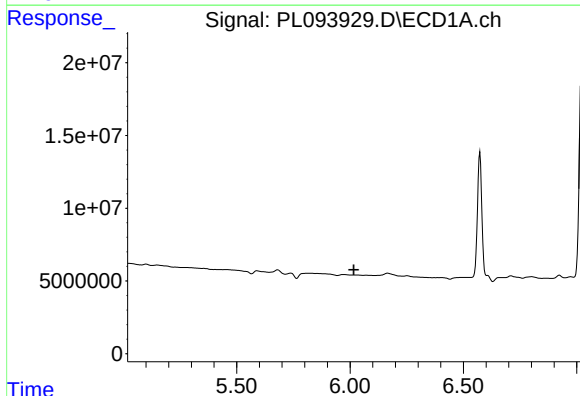
R.T.: 0.000 min
Exp R.T.: 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



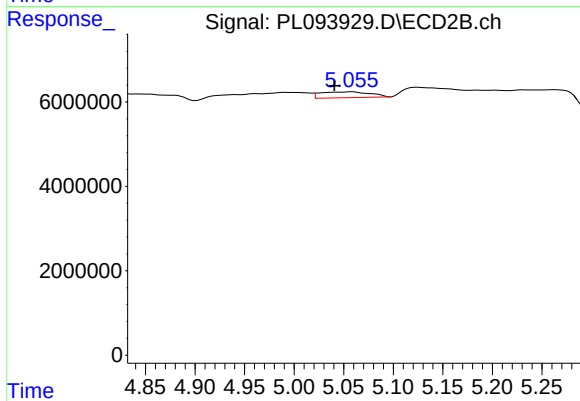
#10 gamma-Chlordane

R.T.: 4.992 min
Delta R.T.: 0.015 min
Response: 4530943
Conc: 1.07 ng/ml



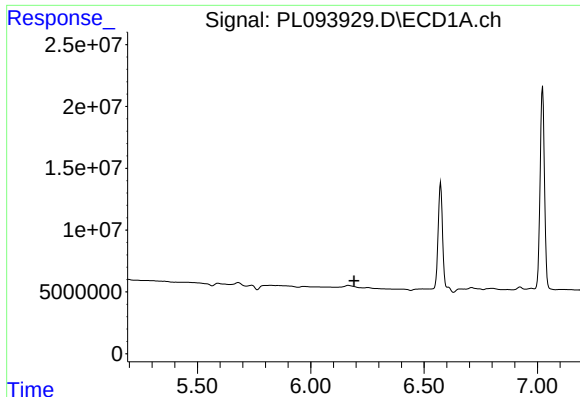
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T.: 6.017 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

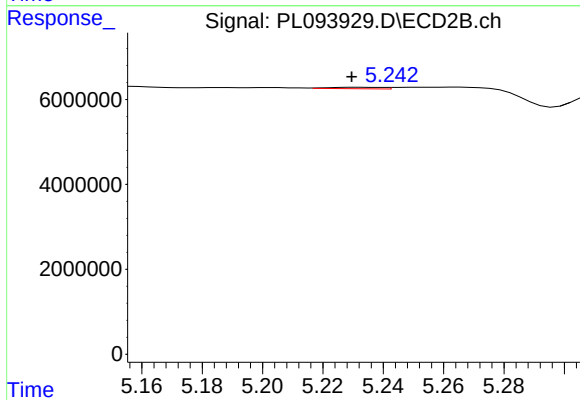
R.T.: 5.058 min
Delta R.T.: 0.018 min
Response: 4838311
Conc: 1.16 ng/ml



#12 4,4'-DDE

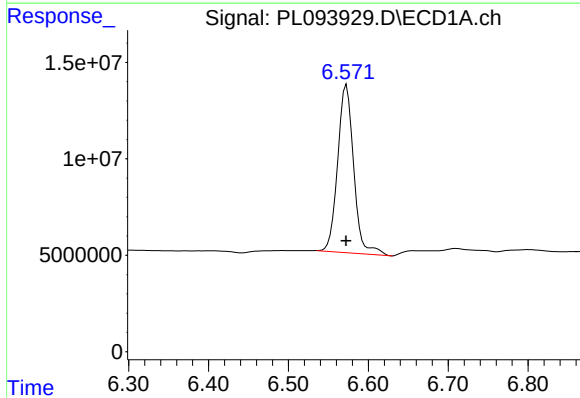
R.T.: 0.000 min
Exp R.T.: 6.191 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



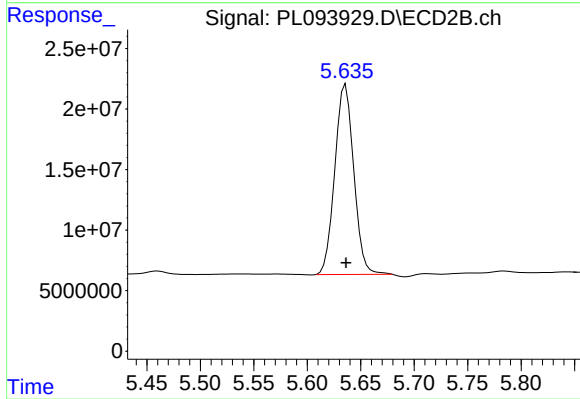
#12 4,4'-DDE

R.T.: 5.231 min
Delta R.T.: 0.002 min
Response: 431689
Conc: 0.11 ng/ml



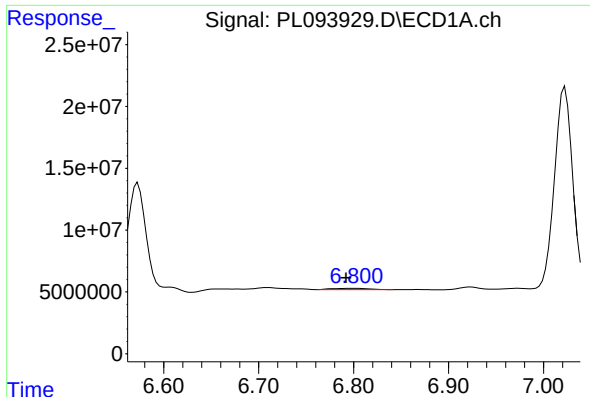
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 121517831
Conc: 51.82 ng/ml



#14 Endrin

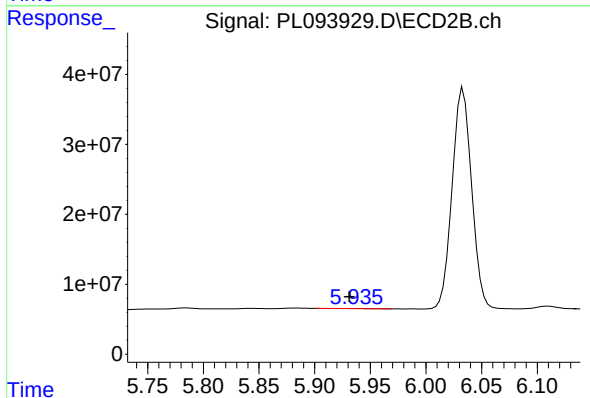
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 194240646
Conc: 52.60 ng/ml



#15 Endosulfan II

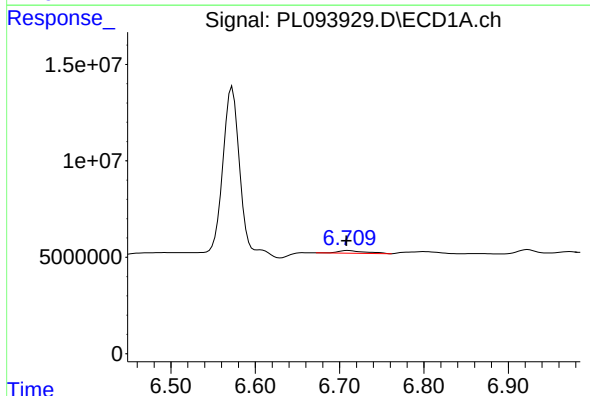
R.T.: 6.802 min
Delta R.T.: 0.010 min
Response: 2883281
Conc: 1.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



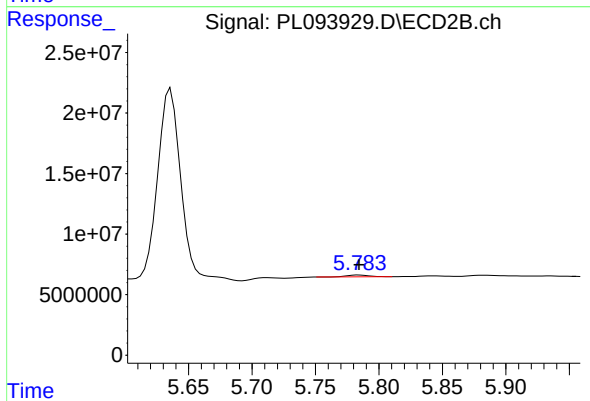
#15 Endosulfan II

R.T.: 5.935 min
Delta R.T.: 0.004 min
Response: 360774
Conc: 0.10 ng/ml



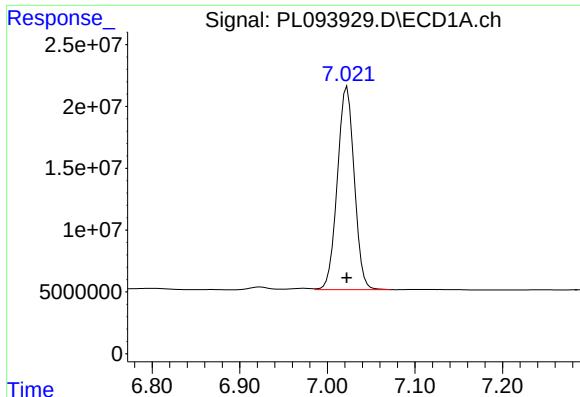
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.002 min
Response: 3065155
Conc: 1.61 ng/ml



#16 4,4'-DDD

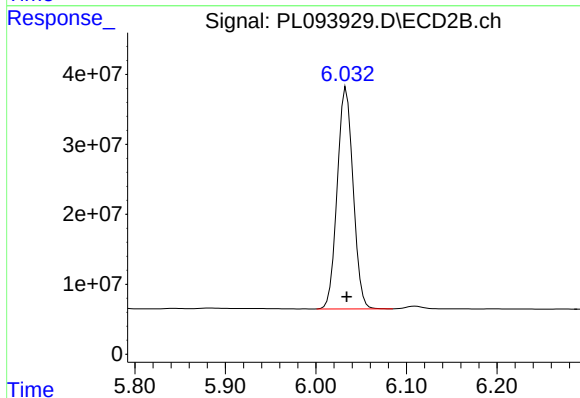
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 1766731
Conc: 0.56 ng/ml



#17 4,4'-DDT

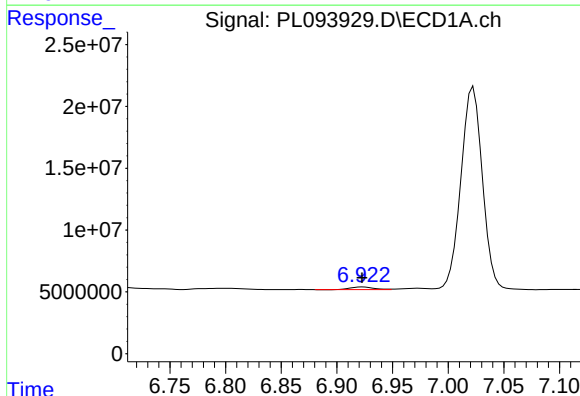
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 220234745
Conc: 111.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



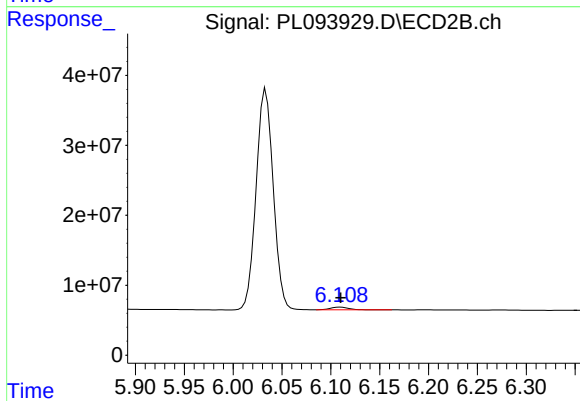
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 385239381
Conc: 118.39 ng/ml



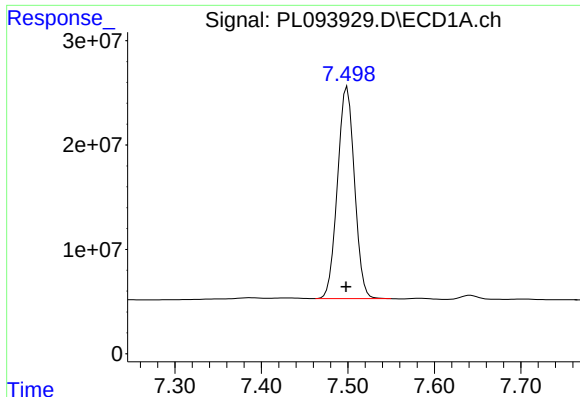
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 3204040
Conc: 1.65 ng/ml



#18 Endrin aldehyde

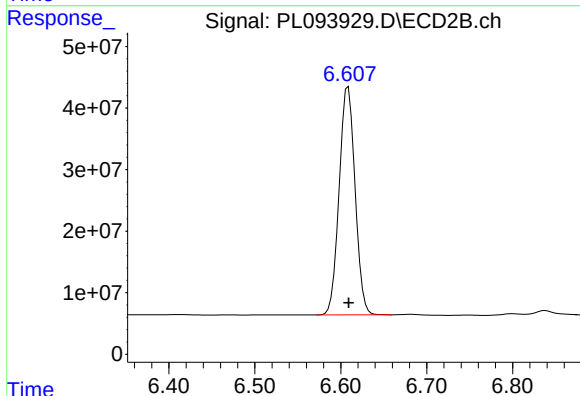
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 5122986
Conc: 1.68 ng/ml



#20 Methoxychlor

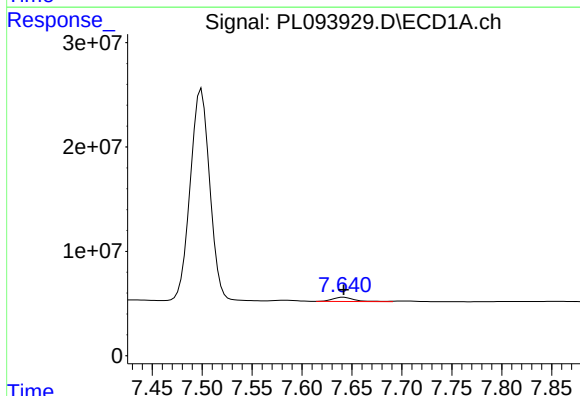
R.T.: 7.499 min
Delta R.T.: 0.001 min
Response: 275158888
Conc: 263.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



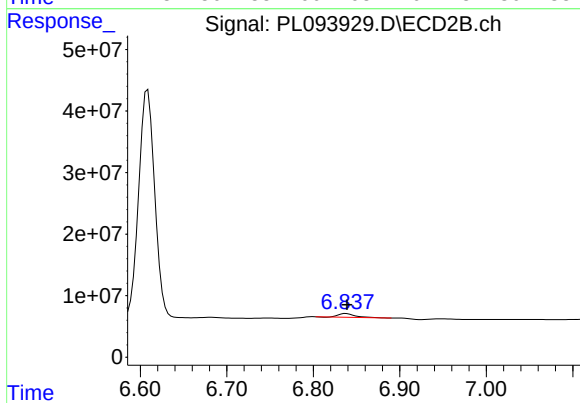
#20 Methoxychlor

R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 477168648
Conc: 266.85 ng/ml



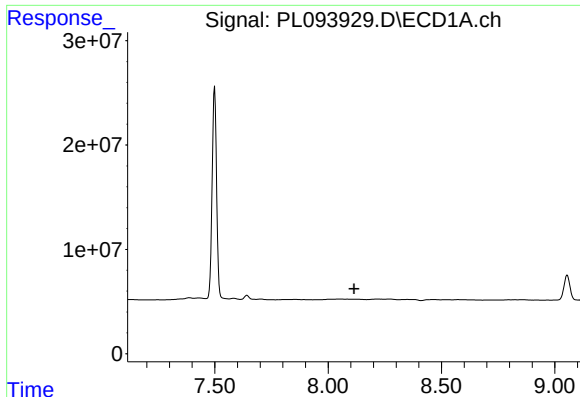
#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: 0.000 min
Response: 6132437
Conc: 2.43 ng/ml



#21 Endrin ketone

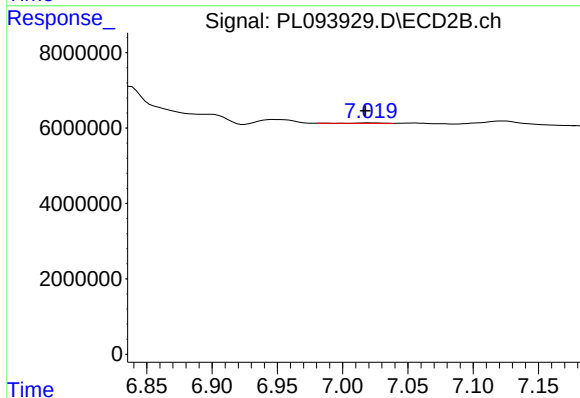
R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 7415103
Conc: 1.77 ng/ml



#22 Mirex

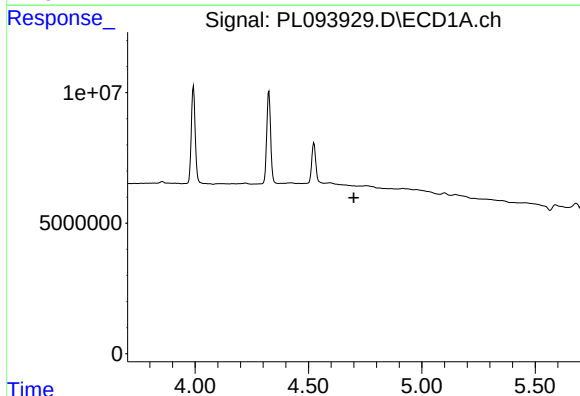
R.T.: 0.000 min
Exp R.T.: 8.115 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



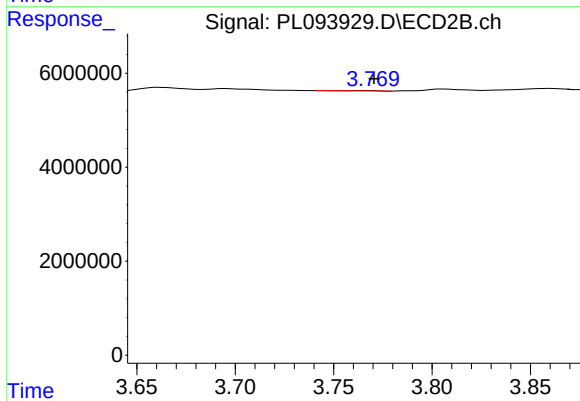
#22 Mirex

R.T.: 7.021 min
Delta R.T.: 0.003 min
Response: 102308
Conc: 0.03 ng/ml



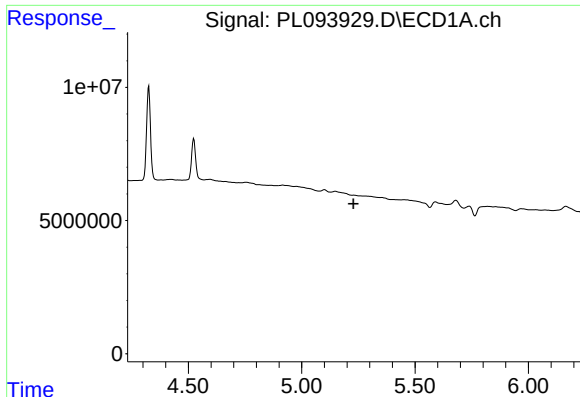
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T.: 4.700 min
Response: 0
Conc: N.D.



#23 Chlordane-1

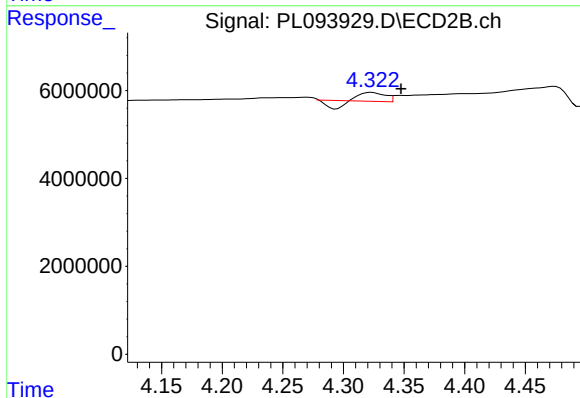
R.T.: 3.768 min
Delta R.T.: -0.003 min
Response: 70027
Conc: 0.56 ng/ml



#24 Chlordane-2

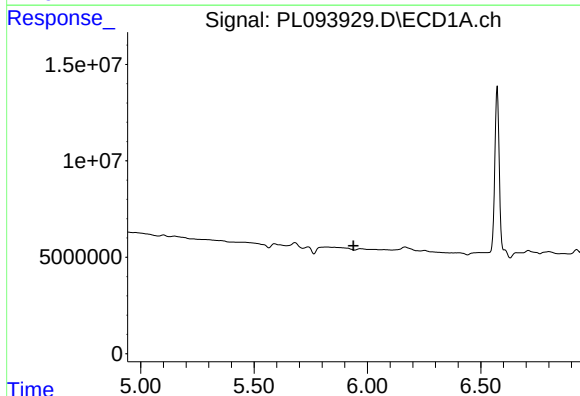
R.T.: 0.000 min
Exp R.T.: 5.229 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



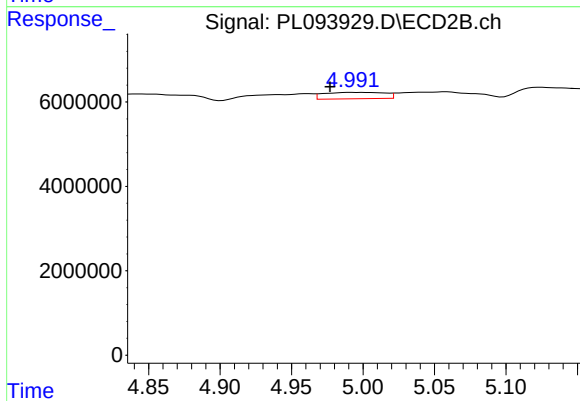
#24 Chlordane-2

R.T.: 4.323 min
Delta R.T.: -0.024 min
Response: 1674775
Conc: 11.41 ng/ml



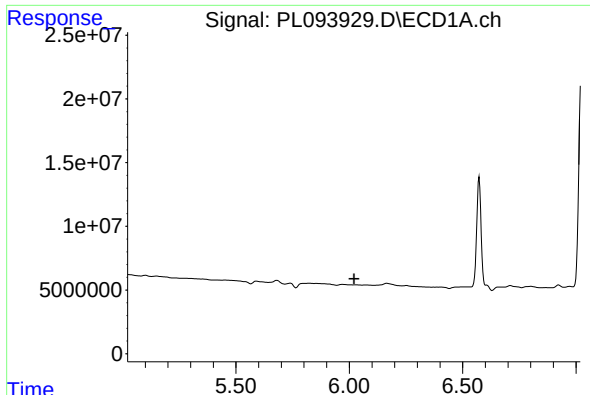
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T.: 5.939 min
Response: 0
Conc: N.D.



#25 Chlordane-3

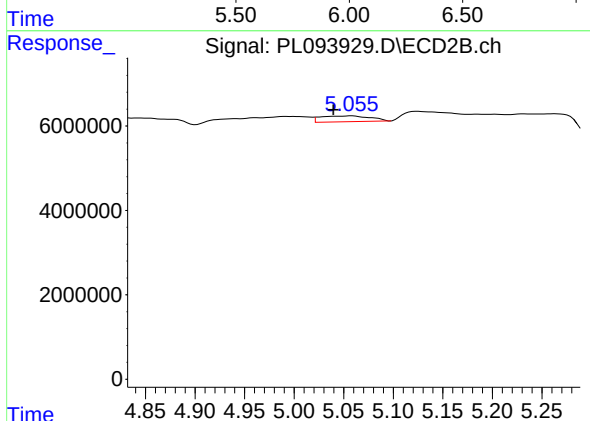
R.T.: 4.992 min
Delta R.T.: 0.015 min
Response: 4530943
Conc: 10.42 ng/ml



#26 Chlordane-4

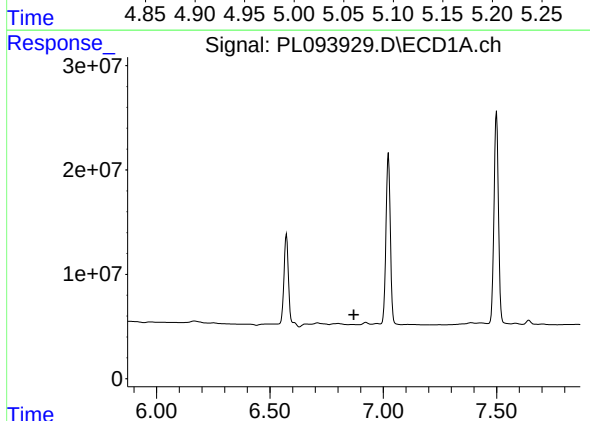
R.T.: 0.000 min
Exp R.T.: 6.021 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



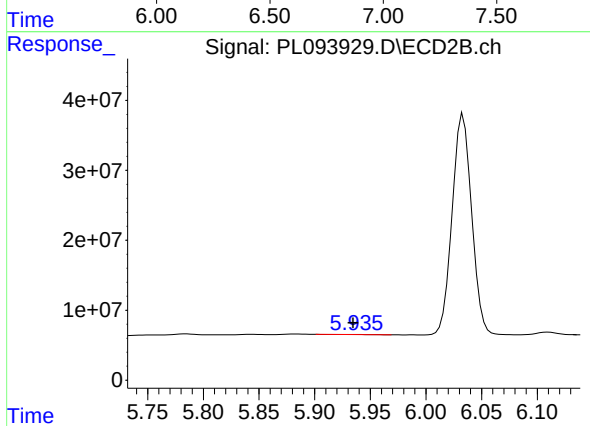
#26 Chlordane-4

R.T.: 5.058 min
Delta R.T.: 0.018 min
Response: 4838311
Conc: 11.42 ng/ml



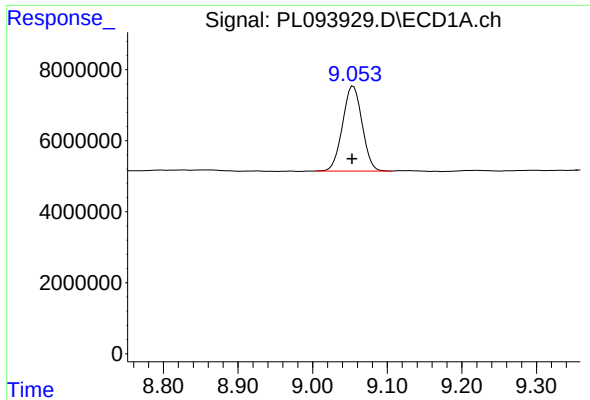
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T.: 6.870 min
Response: 0
Conc: N.D.



#27 Chlordane-5

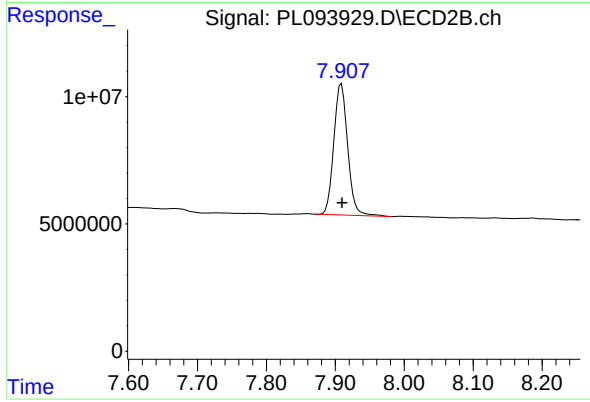
R.T.: 5.935 min
Delta R.T.: 0.000 min
Response: 360774
Conc: 2.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.002 min
Response: 43538365
Conc: 20.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



#28 Decachlorobiphenyl

R.T.: 7.909 min
Delta R.T.: 0.000 min
Response: 71991432
Conc: 20.55 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
 Data File : PL093930.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Jan 2025 11:17
 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: Feb 01 00:23:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.774	127.4E6	155.3E6	47.327	47.575
28)	SA Decachlor...	9.055	7.910	94144637	166.0E6	45.004	47.385
Target Compounds							
2)	A alpha-BHC	3.993	3.276	183.7E6	234.9E6	47.926	48.046
3)	MA gamma-BHC...	4.326	3.606	174.0E6	217.8E6	47.236	45.944
4)	MA Heptachlor	4.914	3.945	160.9E6	225.2E6	49.109	48.385
5)	MB Aldrin	5.256	4.224	149.3E6	209.9E6	45.636	46.013
6)	B beta-BHC	4.525	3.906	77014994	95671218	47.915	47.897
7)	B delta-BHC	4.772	4.135	157.0E6	219.4E6	44.786	46.173
8)	B Heptachlo...	5.683	4.727	133.4E6	193.1E6	44.870	46.194
9)	A Endosulfan I	6.068	5.096	119.9E6	170.7E6	45.357	44.018
10)	B gamma-Chl...	5.939	4.977	129.1E6	206.5E6	46.299	48.732
11)	B alpha-Chl...	6.018	5.040	129.1E6	200.0E6	46.293	47.776
12)	B 4,4'-DDE	6.192	5.229	122.5E6	205.4E6	50.304	51.231
13)	MA Dieldrin	6.344	5.361	126.4E6	202.9E6	45.545	47.243
14)	MA Endrin	6.574	5.636	117.4E6	189.6E6	50.088	51.340
15)	B Endosulfa...	6.793	5.931	110.6E6	177.7E6	45.886	47.978
16)	A 4,4'-DDD	6.709	5.784	96757725	162.1E6	50.910	51.357
17)	MA 4,4'-DDT	7.023	6.034	103.9E6	175.6E6	52.706	53.968
18)	B Endrin al...	6.923	6.110	85137438	135.9E6	43.794	44.644
19)	B Endosulfa...	7.158	6.333	100.5E6	168.1E6	44.416	47.138
20)	A Methoxychlor	7.500	6.610	53646135	93951668	51.415	52.542
21)	B Endrin ke...	7.644	6.839	111.1E6	191.6E6	44.056	45.678
22)	Mirex	8.116	7.019	86631474	145.6E6	41.600	43.065
23)	Chlordane-1	0.000	3.764	0	49509	N.D.	0.397 #
24)	Chlordane-2	5.256f	4.364	149.3E6	5762409	1275.355	39.274 #
25)	Chlordane-3	5.939	4.977	129.1E6	206.5E6	328.995	474.929 #
26)	Chlordane-4	6.018	5.040	129.1E6	200.0E6	274.582	472.111 #
27)	Chlordane-5	0.000	5.931	0	177.7E6	N.D.	1160.210 #

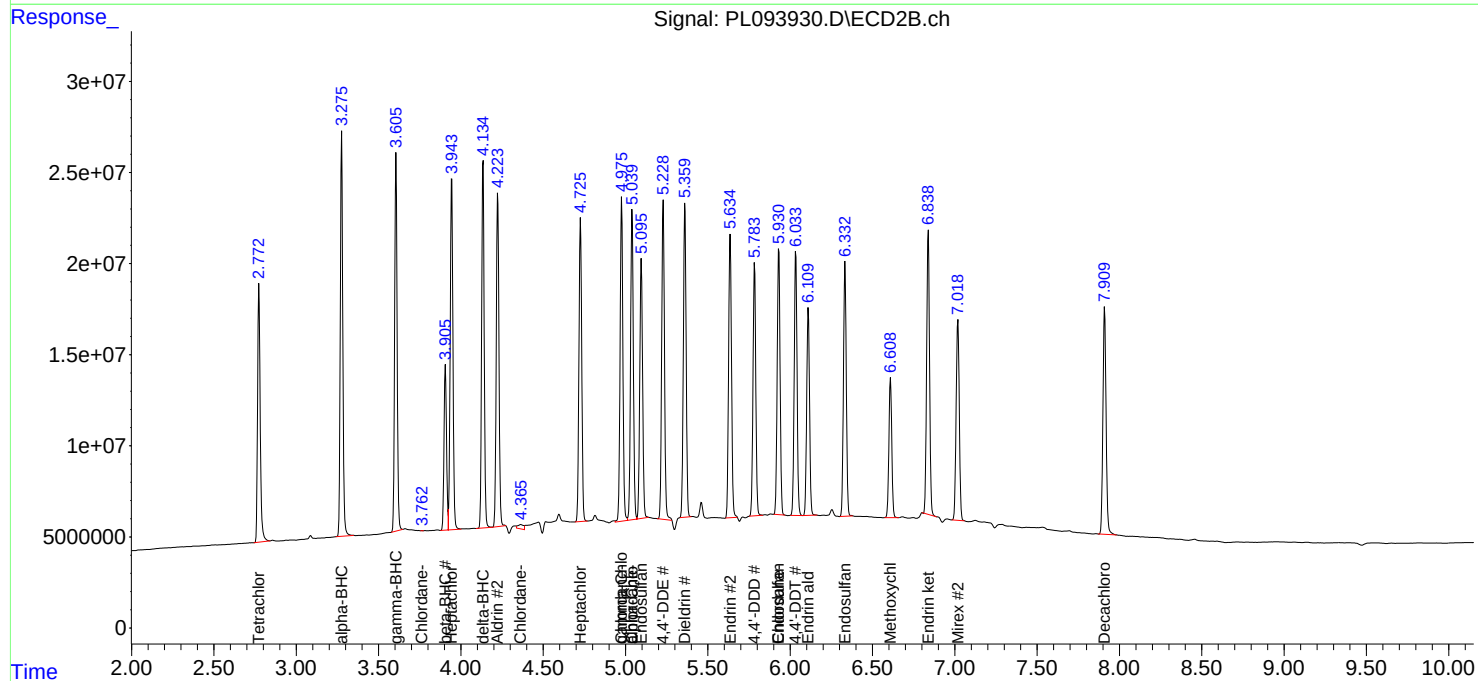
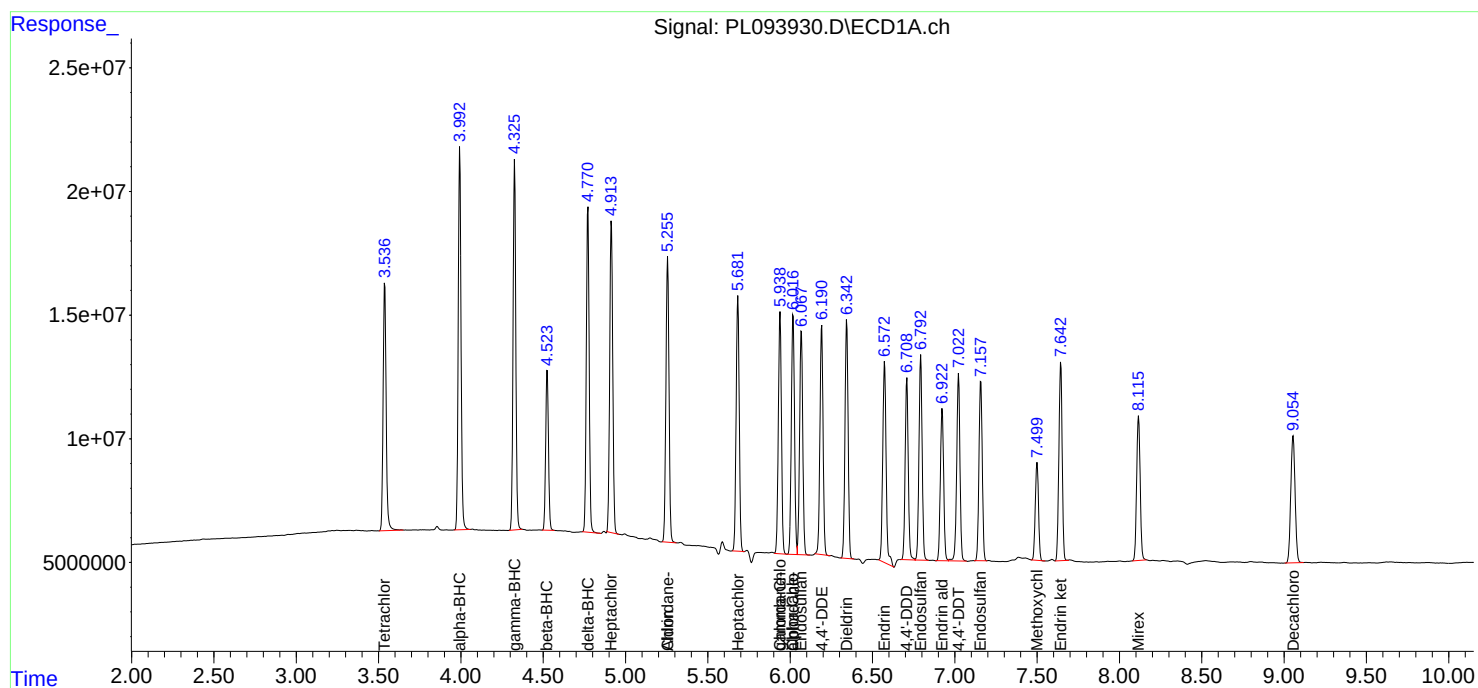
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

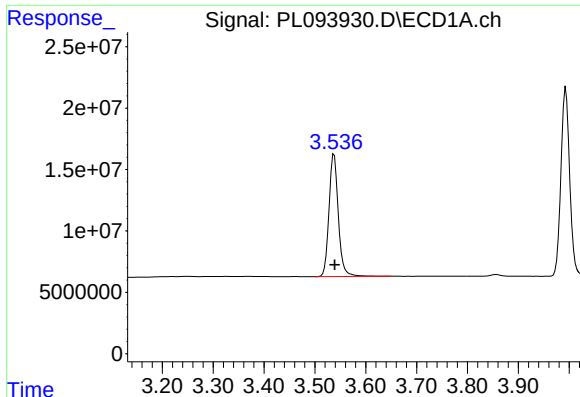
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093930.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 11:17
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 00:23:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

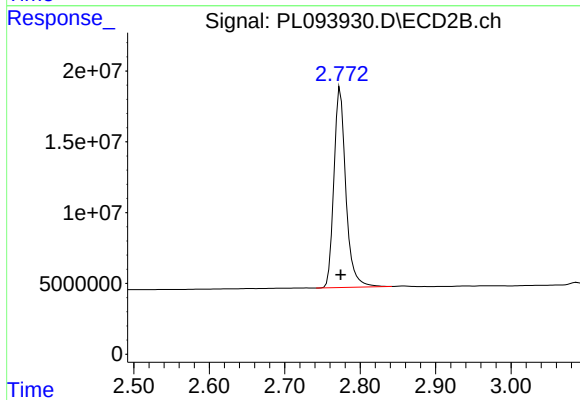




#1 Tetrachloro-m-xylene

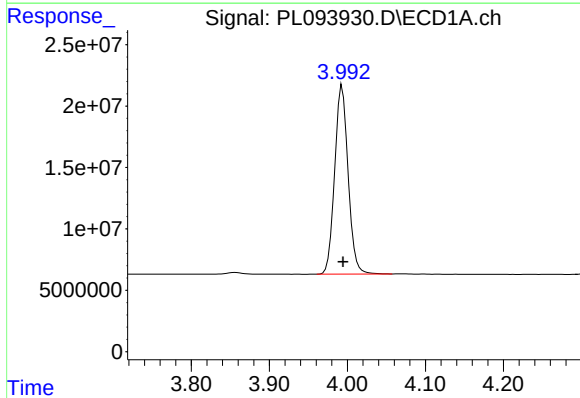
R.T.: 3.538 min
Delta R.T.: -0.001 min
Response: 127440428
Conc: 47.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



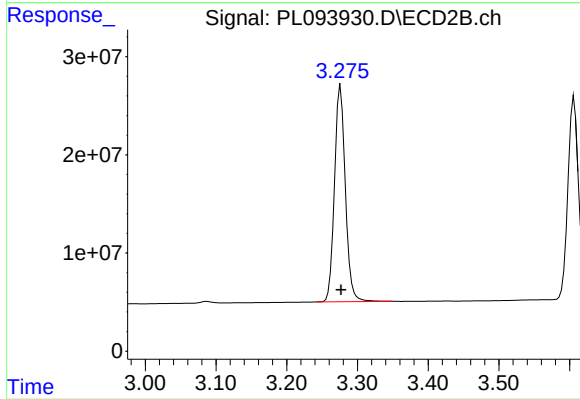
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 155293788
Conc: 47.58 ng/ml



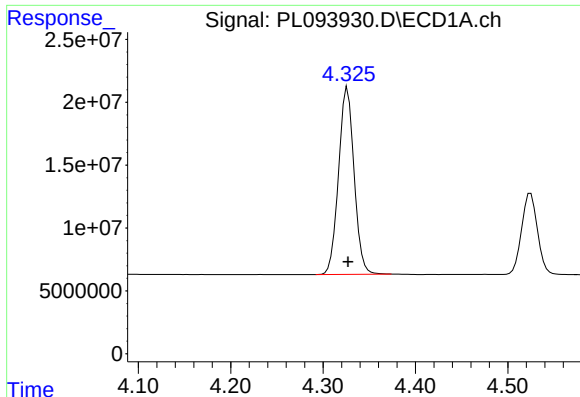
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 183740365
Conc: 47.93 ng/ml



#2 alpha-BHC

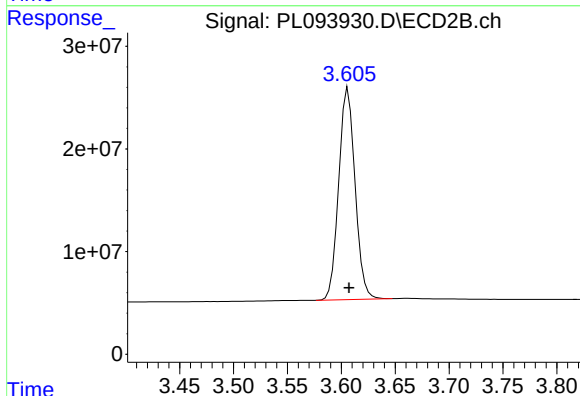
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 234896985
Conc: 48.05 ng/ml



#3 gamma-BHC (Lindane)

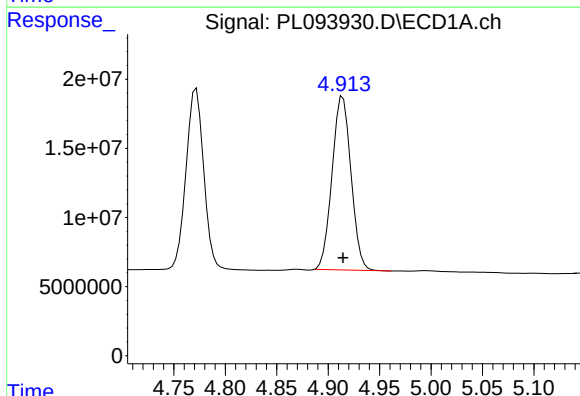
R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 173961937
Conc: 47.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



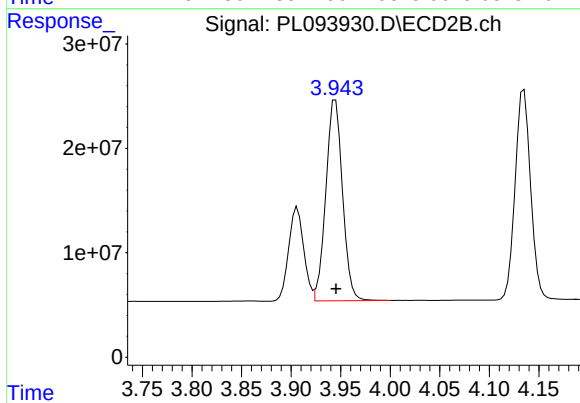
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: 0.000 min
Response: 217830151
Conc: 45.94 ng/ml



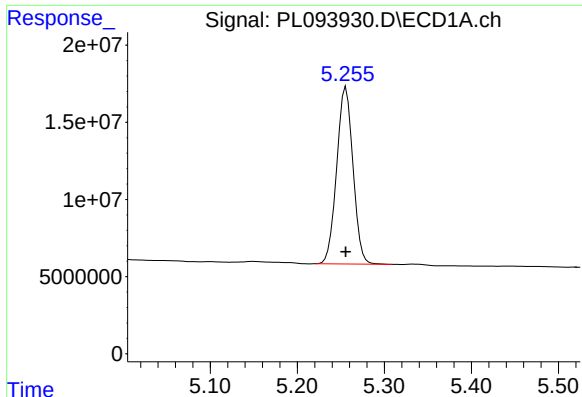
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 160948171
Conc: 49.11 ng/ml



#4 Heptachlor

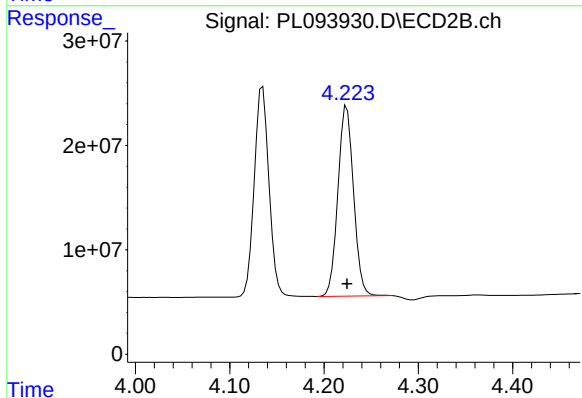
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 225221625
Conc: 48.38 ng/ml



#5 Aldrin

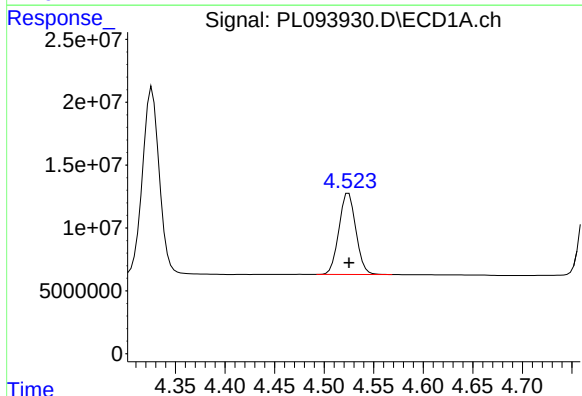
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 149319432
Conc: 45.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



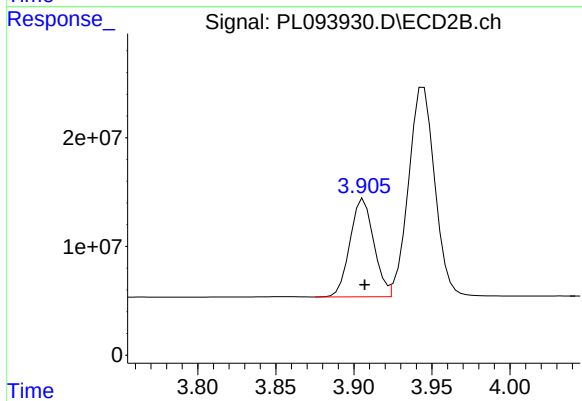
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: 0.000 min
Response: 209902281
Conc: 46.01 ng/ml



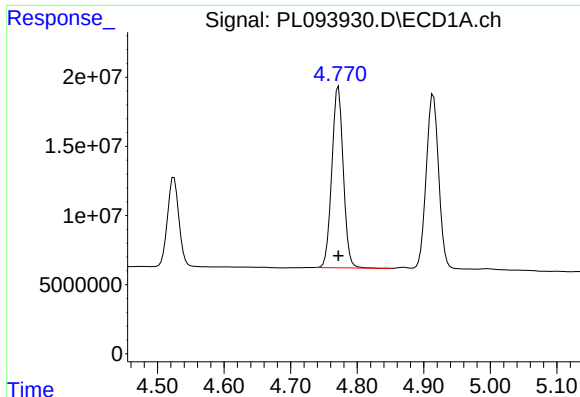
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 77014994
Conc: 47.92 ng/ml



#6 beta-BHC

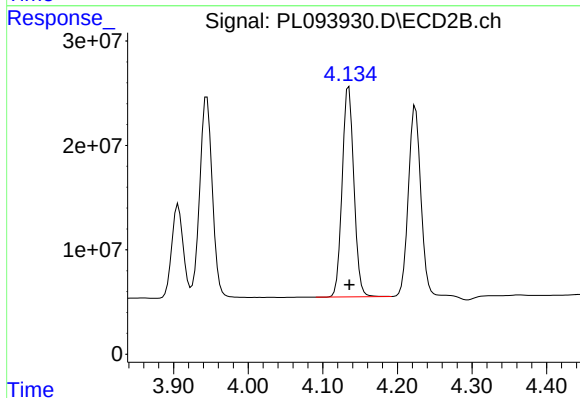
R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 95671218
Conc: 47.90 ng/ml



#7 delta-BHC

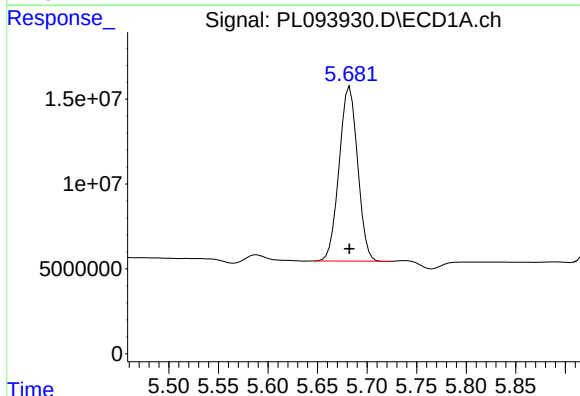
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 156988220
Conc: 44.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



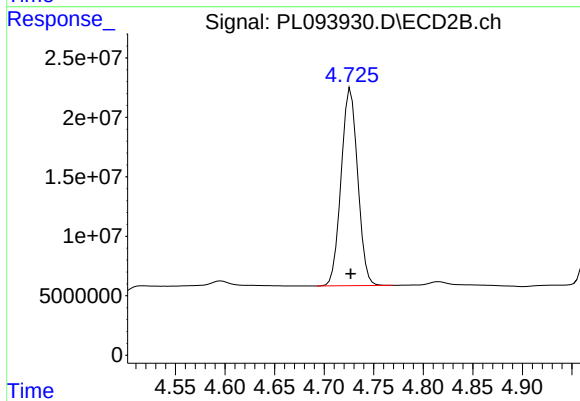
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 219380269
Conc: 46.17 ng/ml



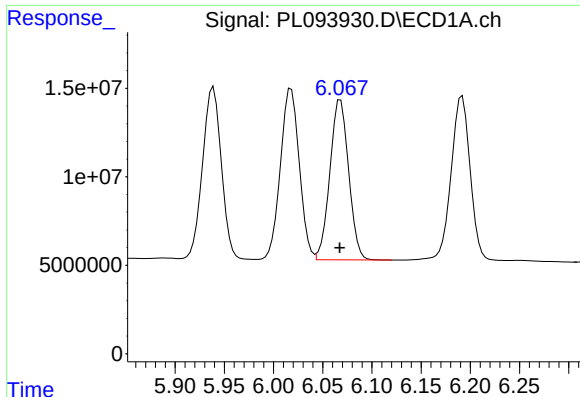
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 133436773
Conc: 44.87 ng/ml



#8 Heptachlor epoxide

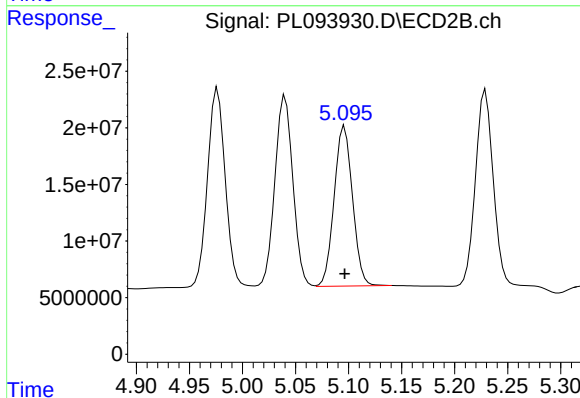
R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 193104475
Conc: 46.19 ng/ml



#9 Endosulfan I

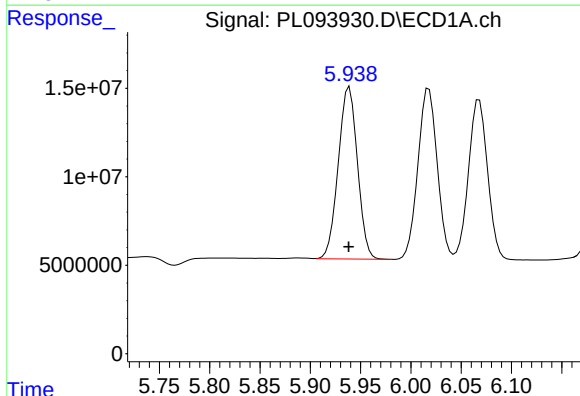
R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 119873285
Conc: 45.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



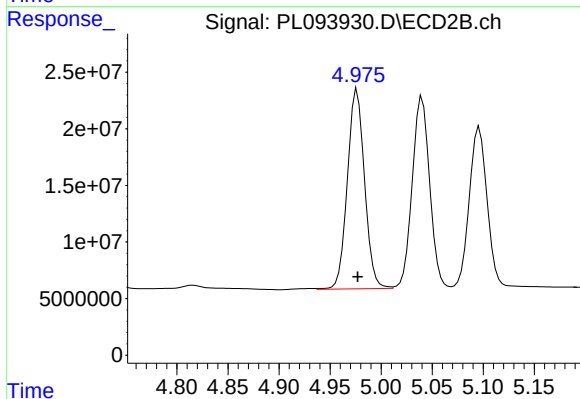
#9 Endosulfan I

R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 170652524
Conc: 44.02 ng/ml



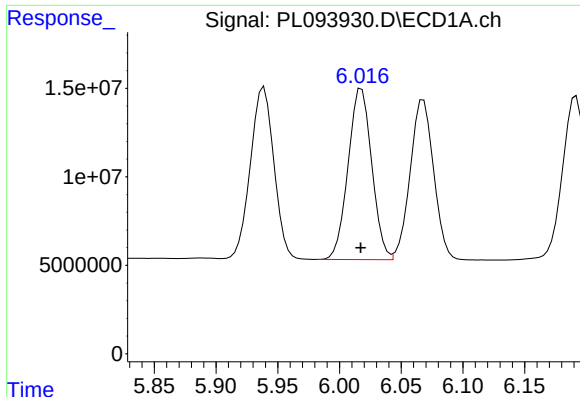
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 129053291
Conc: 46.30 ng/ml



#10 gamma-Chlordane

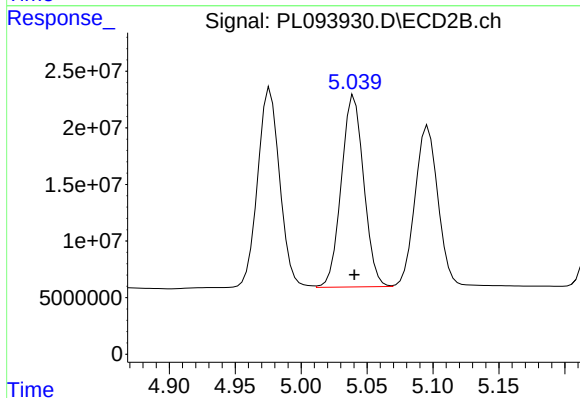
R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 206509157
Conc: 48.73 ng/ml



#11 alpha-Chlordane

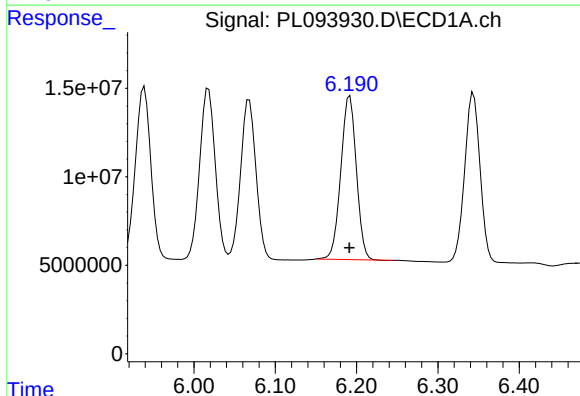
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 129083034
Conc: 46.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



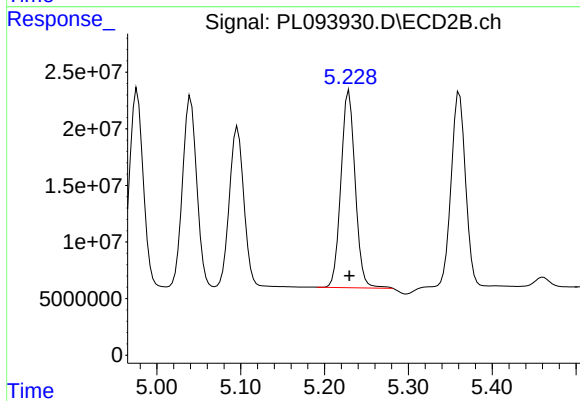
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 200018297
Conc: 47.78 ng/ml



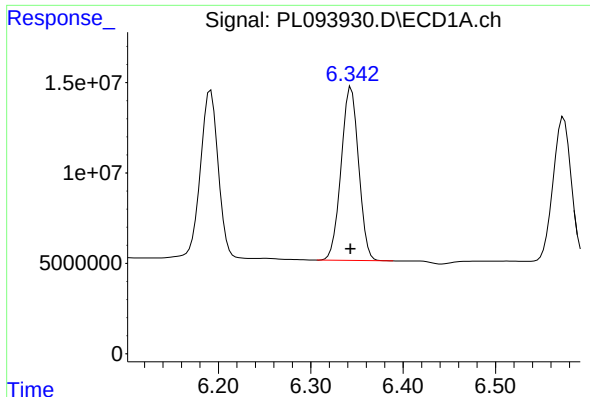
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 122470412
Conc: 50.30 ng/ml



#12 4,4'-DDE

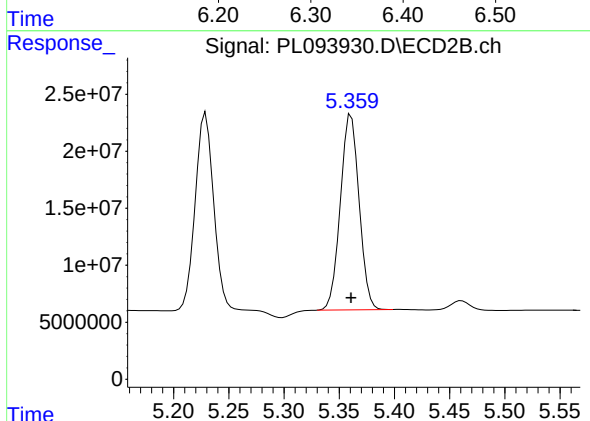
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 205409127
Conc: 51.23 ng/ml



#13 Dieldrin

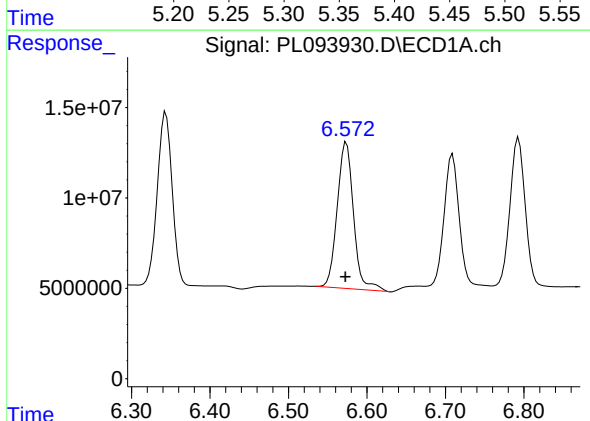
R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 126427219
Conc: 45.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



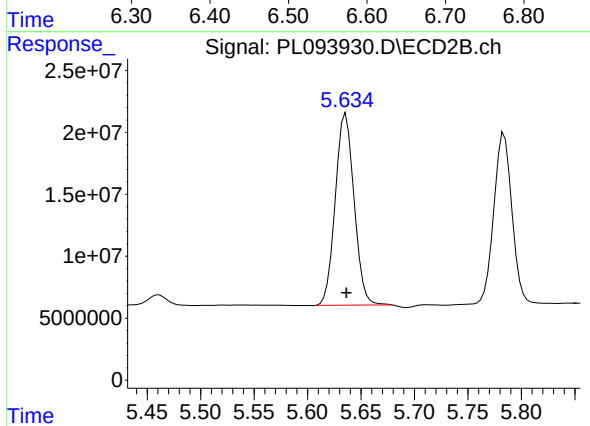
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 202939963
Conc: 47.24 ng/ml



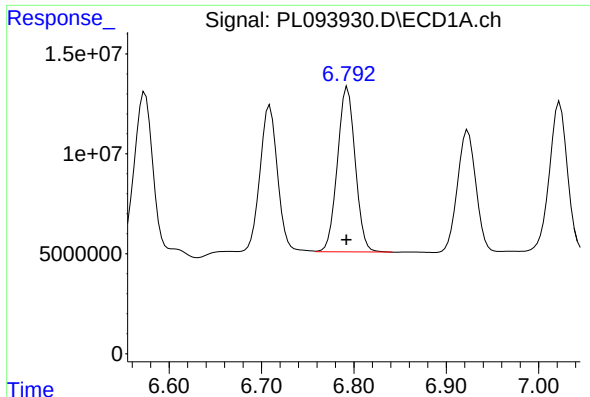
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.001 min
Response: 117447907
Conc: 50.09 ng/ml



#14 Endrin

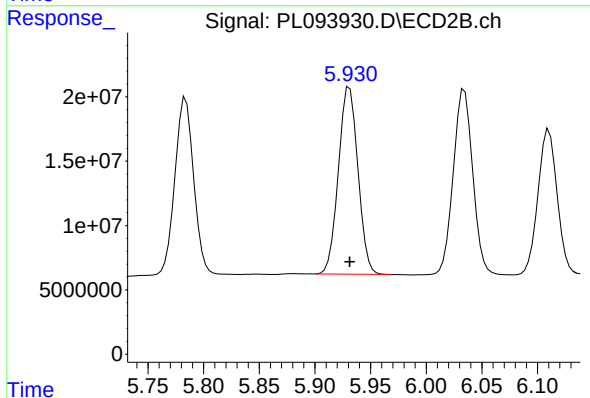
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 189582652
Conc: 51.34 ng/ml



#15 Endosulfan II

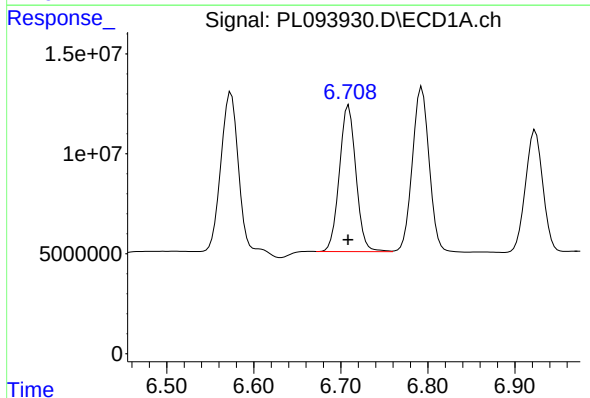
R.T.: 6.793 min
Delta R.T.: 0.001 min
Response: 110556362
Conc: 45.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



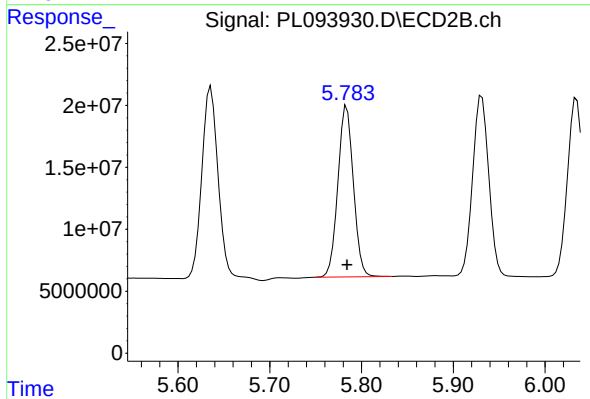
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 177701011
Conc: 47.98 ng/ml



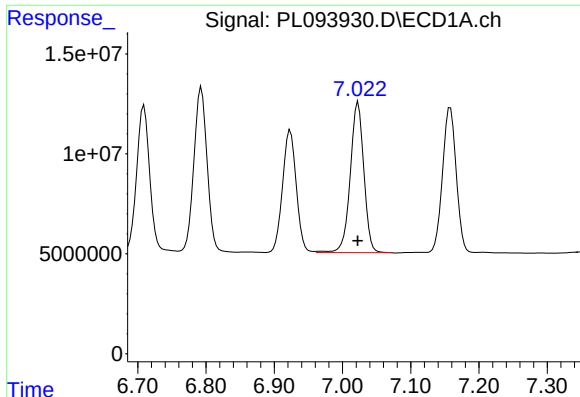
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 96757725
Conc: 50.91 ng/ml



#16 4,4'-DDD

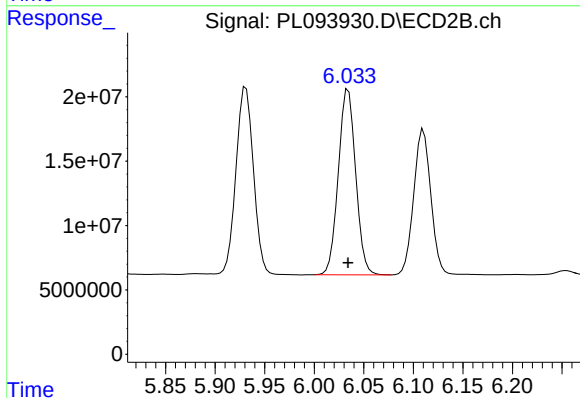
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 162110968
Conc: 51.36 ng/ml



#17 4,4'-DDT

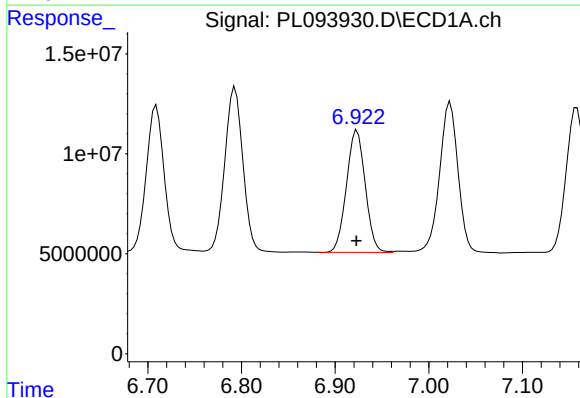
R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 103939183
Conc: 52.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



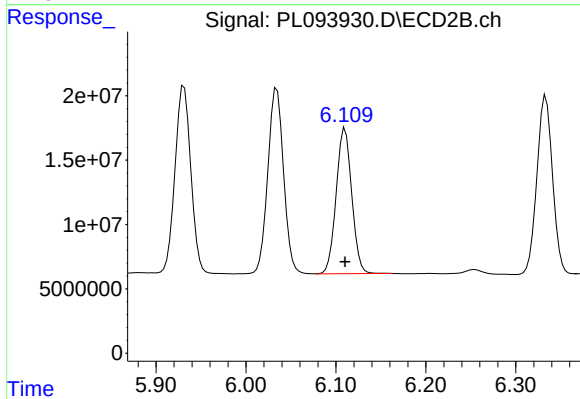
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 175614385
Conc: 53.97 ng/ml



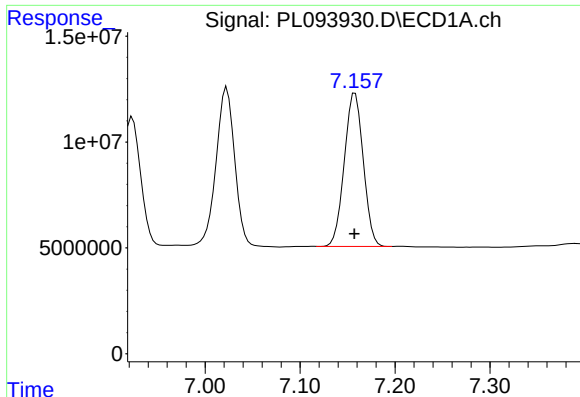
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 85137438
Conc: 43.79 ng/ml



#18 Endrin aldehyde

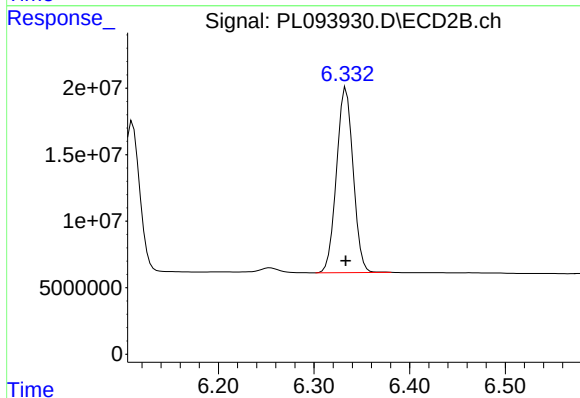
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 135925969
Conc: 44.64 ng/ml



#19 Endosulfan Sulfate

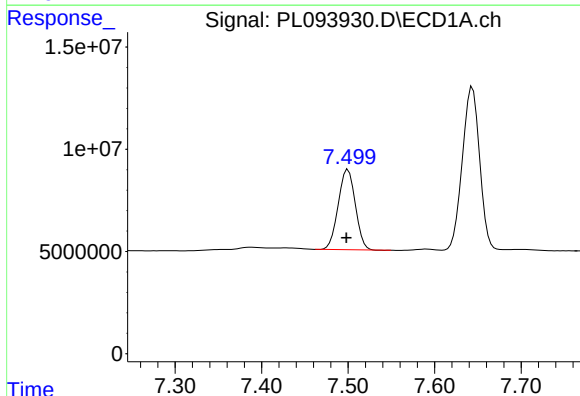
R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 100546133
Conc: 44.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



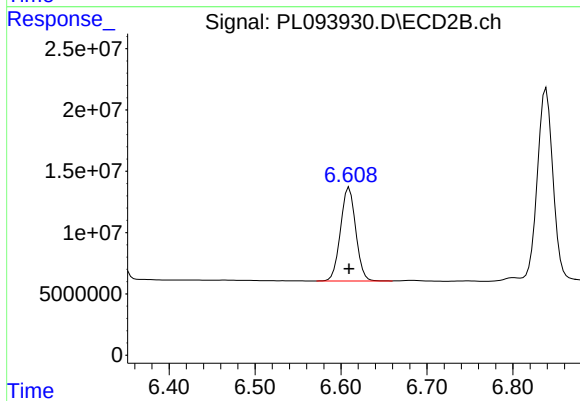
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 168097604
Conc: 47.14 ng/ml



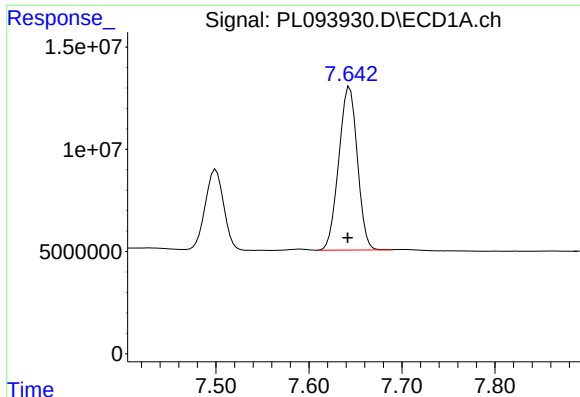
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.002 min
Response: 53646135
Conc: 51.41 ng/ml



#20 Methoxychlor

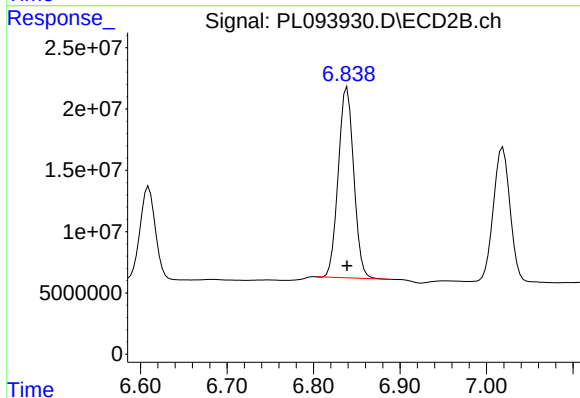
R.T.: 6.610 min
Delta R.T.: 0.000 min
Response: 93951668
Conc: 52.54 ng/ml



#21 Endrin ketone

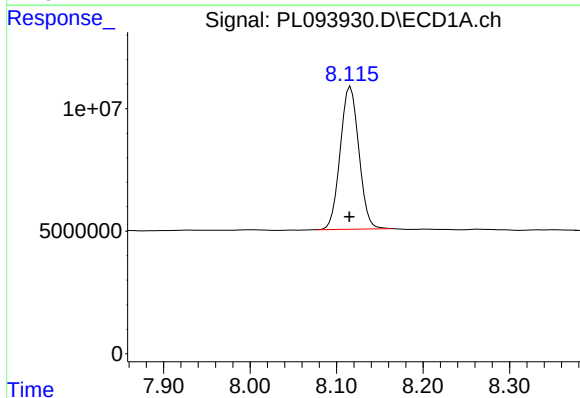
R.T.: 7.644 min
Delta R.T.: 0.002 min
Response: 111136103
Conc: 44.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



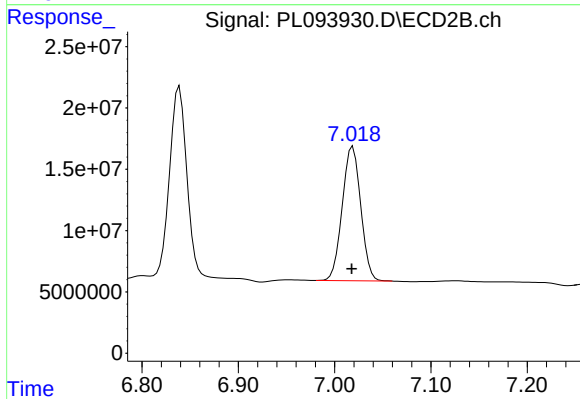
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 191629552
Conc: 45.68 ng/ml



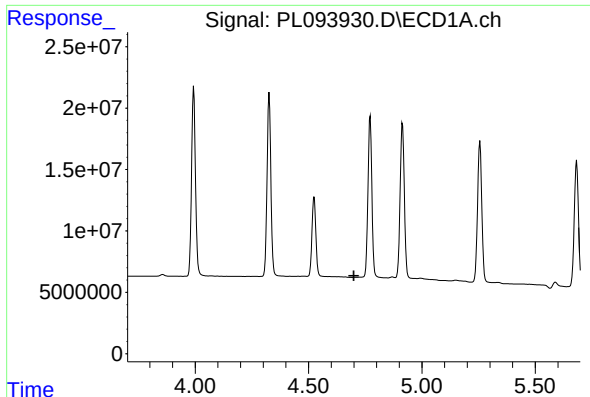
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.001 min
Response: 86631474
Conc: 41.60 ng/ml



#22 Mirex

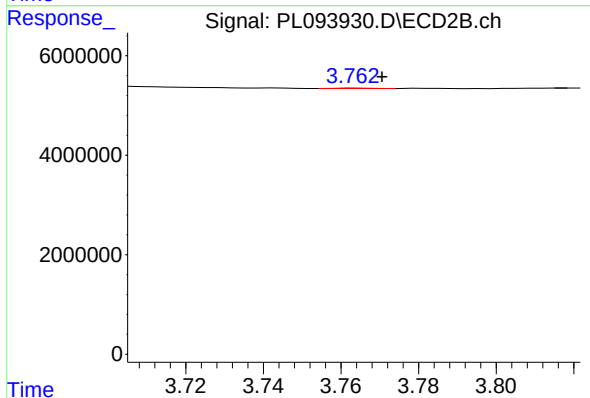
R.T.: 7.019 min
Delta R.T.: 0.001 min
Response: 145642498
Conc: 43.07 ng/ml



#23 Chlordane-1

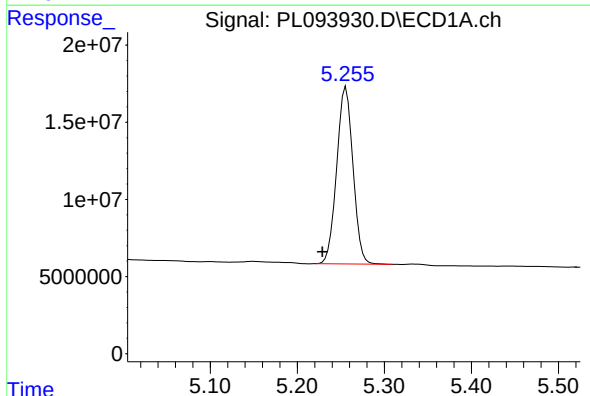
R.T.: 0.000 min
Exp R.T.: 4.700 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



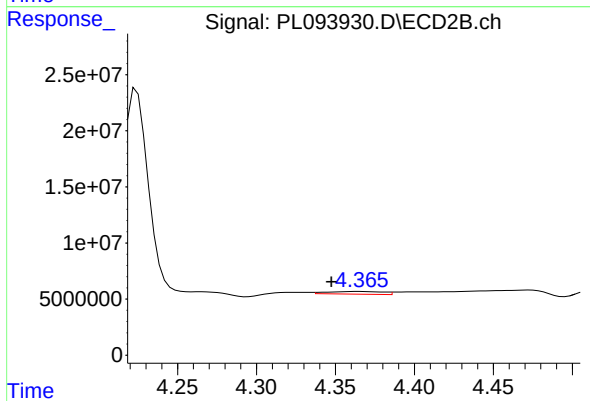
#23 Chlordane-1

R.T.: 3.764 min
Delta R.T.: -0.007 min
Response: 49509
Conc: 0.40 ng/ml



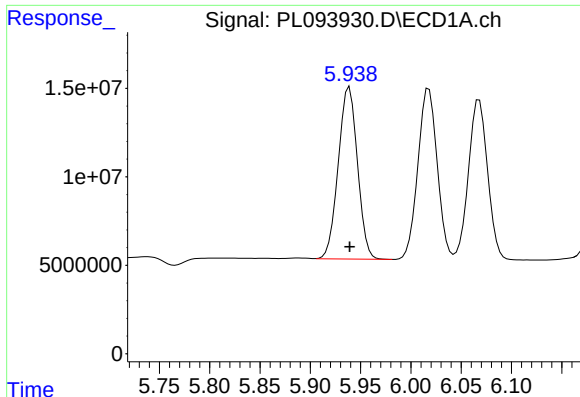
#24 Chlordane-2

R.T.: 5.256 min
Delta R.T.: 0.027 min
Response: 149319432
Conc: 1275.35 ng/ml



#24 Chlordane-2

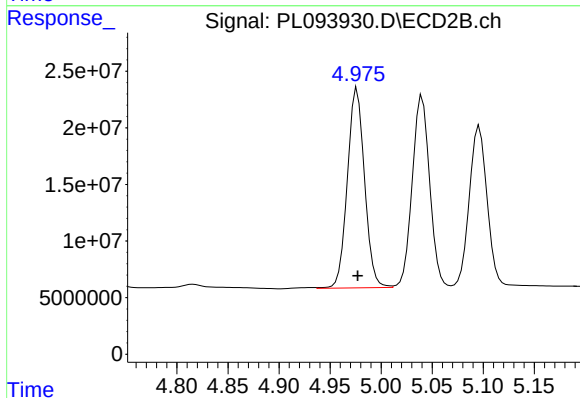
R.T.: 4.364 min
Delta R.T.: 0.016 min
Response: 5762409
Conc: 39.27 ng/ml



#25 Chlordane-3

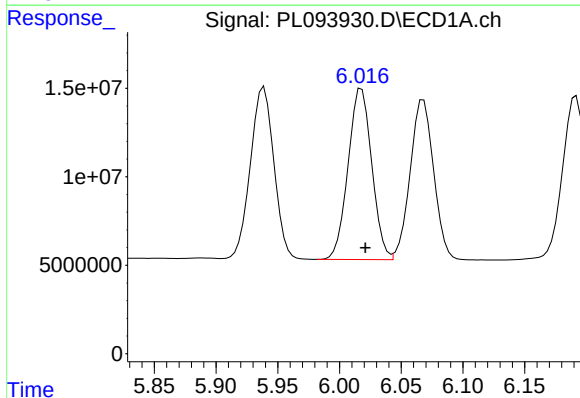
R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 129053291
Conc: 329.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



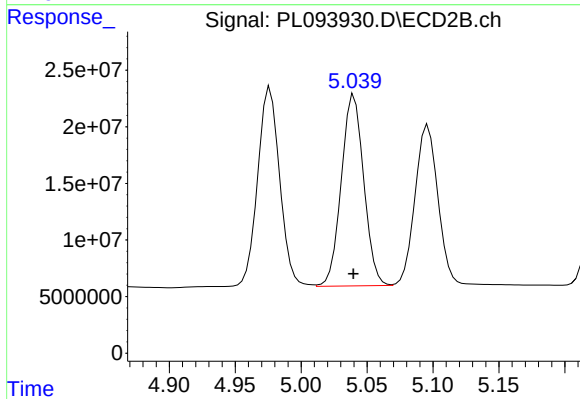
#25 Chlordane-3

R.T.: 4.977 min
Delta R.T.: 0.000 min
Response: 206509157
Conc: 474.93 ng/ml



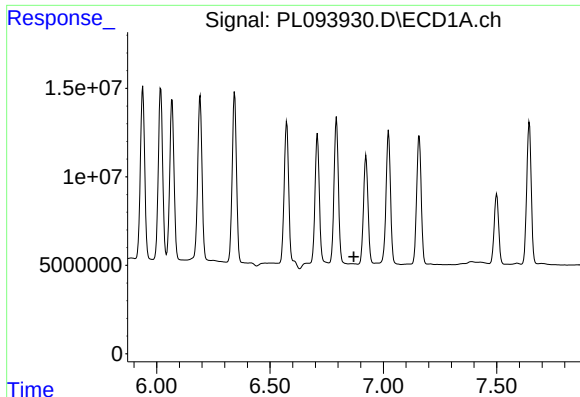
#26 Chlordane-4

R.T.: 6.018 min
Delta R.T.: -0.003 min
Response: 129083034
Conc: 274.58 ng/ml



#26 Chlordane-4

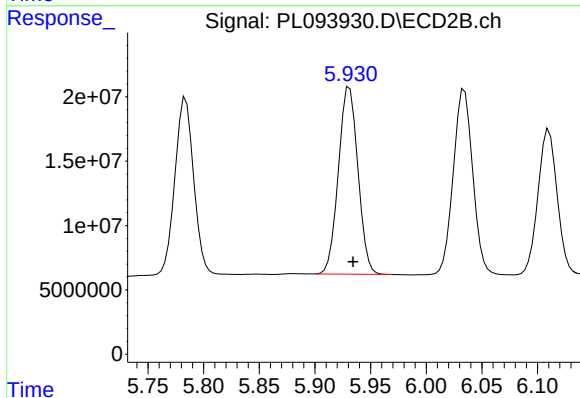
R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 200018297
Conc: 472.11 ng/ml



#27 Chlordane-5

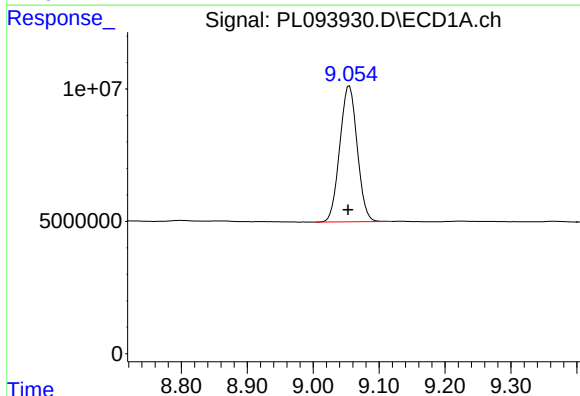
R.T.: 0.000 min
Exp R.T.: 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



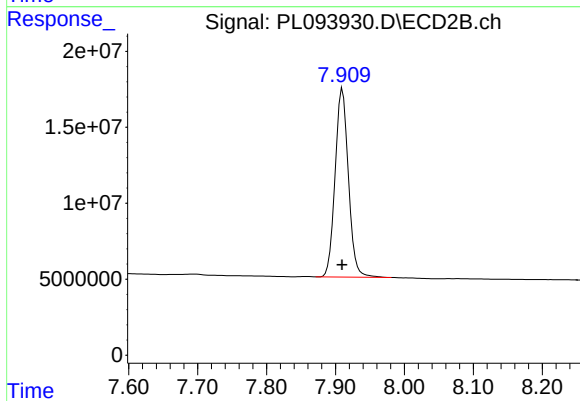
#27 Chlordane-5

R.T.: 5.931 min
Delta R.T.: -0.003 min
Response: 177701011
Conc: 1160.21 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.002 min
Response: 94144637
Conc: 45.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 166040514
Conc: 47.39 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
 Data File : PL093935.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Jan 2025 13:22
 Operator : AR\AJ
 Sample : PB166365BSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB166365BSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 06 07:42:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.541	2.774	54616208	61923350	20.283	18.971
28)	SA Decachlor...	9.060	7.912	46000174	77428119	21.990	22.097
Target Compounds							
2)	A alpha-BHC	3.997	3.277	177.1E6	220.6E6	46.198	45.125
3)	MA gamma-BHC...	4.330	3.607	168.6E6	209.3E6	45.779	44.149
4)	MA Heptachlor	4.918	3.945	163.1E6	220.3E6	49.771	47.325
5)	MB Aldrin	5.260	4.225	151.5E6	205.5E6	46.315	45.039
6)	B beta-BHC	4.528	3.907	76370123	93150774	47.514	46.635
7)	B delta-BHC	4.775	4.136	164.3E6	212.5E6	46.858	44.729
8)	B Heptachlo...	5.686	4.728	136.5E6	197.1E6	45.913	47.160
9)	A Endosulfan I	6.072	5.098	124.2E6	182.5E6	46.991	47.084
10)	B gamma-Chl...	5.943	4.978	132.7E6	210.1E6	47.600	49.574
11)	B alpha-Chl...	6.022	5.042	133.0E6	202.1E6	47.699	48.279
12)	B 4,4'-DDE	6.196	5.231	124.0E6	201.1E6	50.937	50.158
13)	MA Dieldrin	6.347	5.362	131.2E6	205.7E6	47.274	47.884
14)	MA Endrin	6.577	5.638	114.6E6	191.2E6	48.894	51.768
15)	B Endosulfa...	6.797	5.933	114.9E6	183.0E6	47.673	49.419
16)	A 4,4'-DDD	6.713	5.786	99415719	164.3E6	52.309	52.041
17)	MA 4,4'-DDT	7.027	6.036	107.3E6	176.8E6	54.416	54.318
18)	B Endrin al...	6.928	6.112	90022140	143.2E6	46.306	47.035
19)	B Endosulfa...	7.162	6.335	105.2E6	176.9E6	46.480	49.605
20)	A Methoxychlor	7.503	6.612	55169258	95075552	52.875	53.170
21)	B Endrin ke...	7.647	6.840	116.4E6	200.8E6	46.143	47.865
22)	Mirex	8.120	7.020	88403054	150.0E6	42.451	44.365
23)	Chlordane-1	0.000	3.764	0	154292	N.D.	1.236 #
25)	Chlordane-3	5.943	4.978	132.7E6	210.1E6	338.239	483.132 #
26)	Chlordane-4	6.022	5.042	133.0E6	202.1E6	282.922	477.080 #
27)	Chlordane-5	0.000	5.933	0	183.0E6	N.D.	1195.070 #

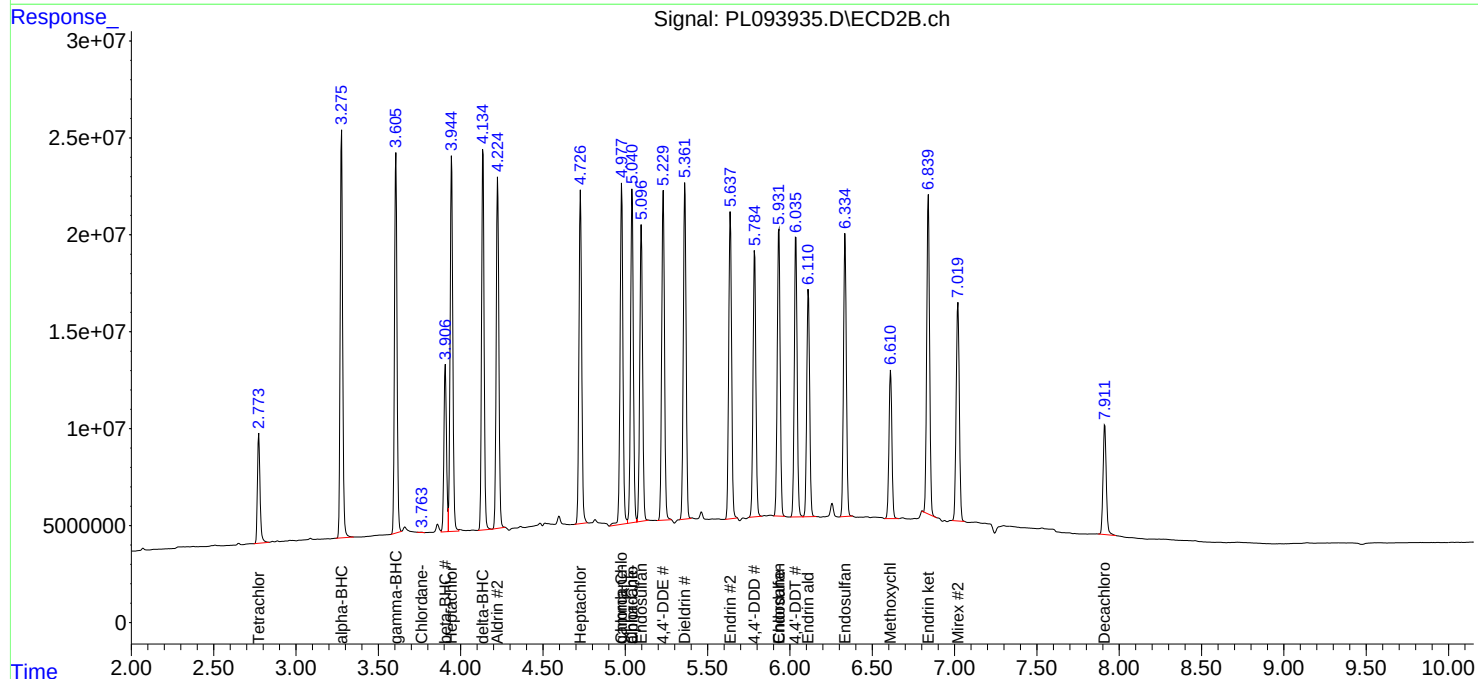
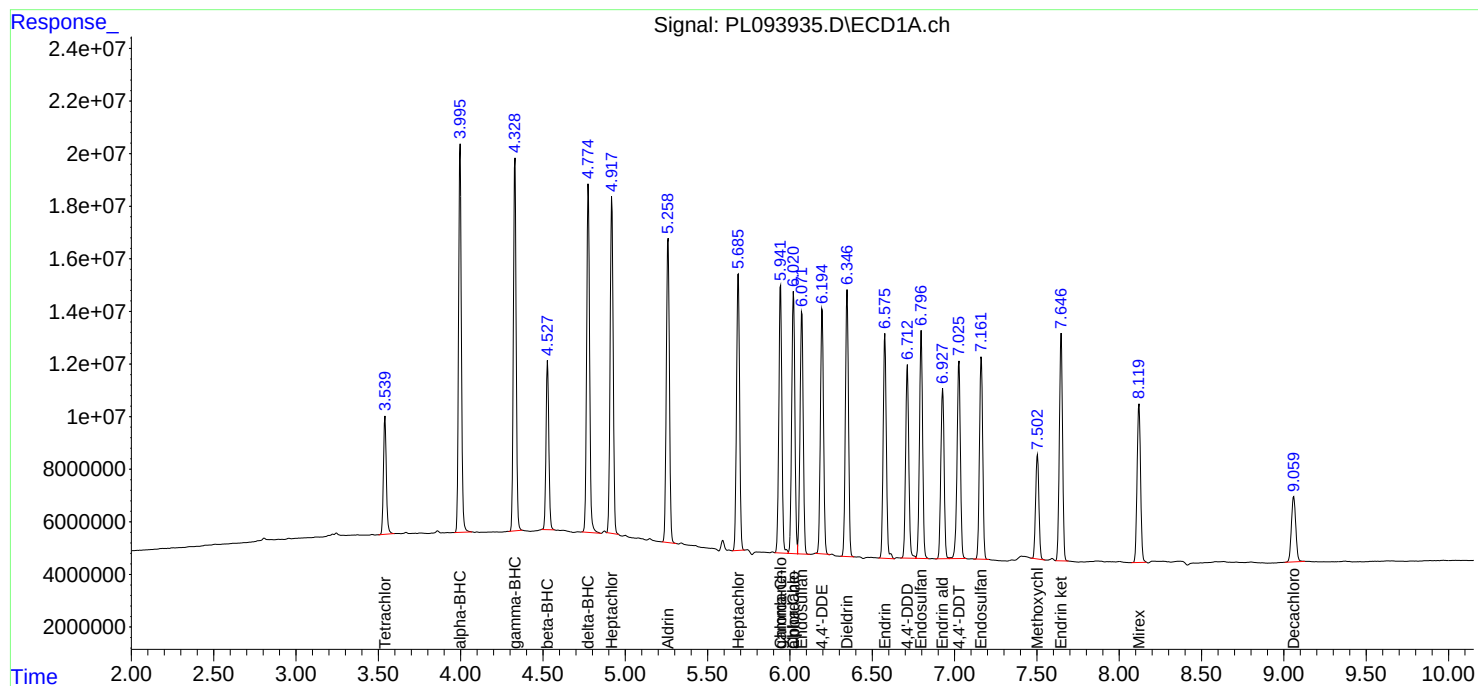
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

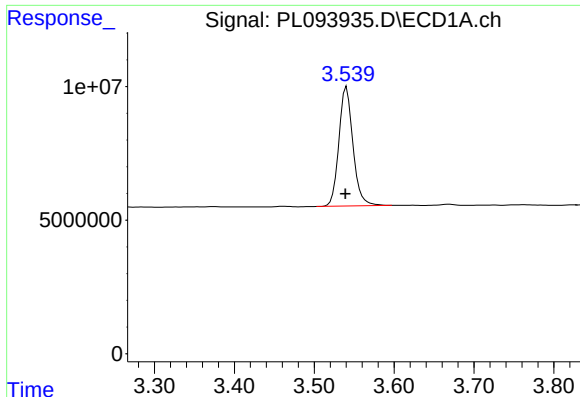
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093935.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 13:22
Operator : AR\AJ
Sample : PB166365BSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB166365BSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 07:42:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

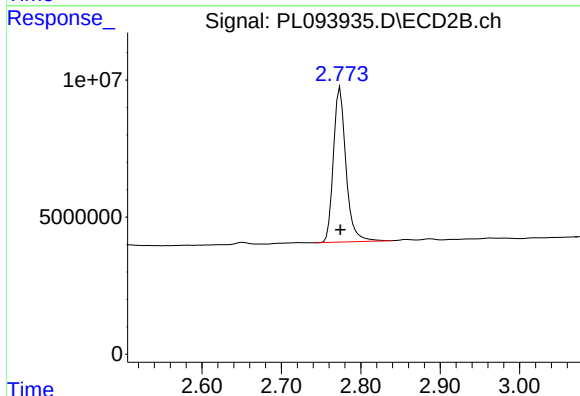




#1 Tetrachloro-m-xylene

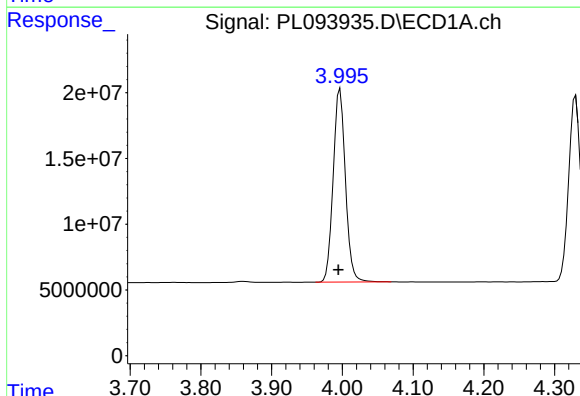
R.T.: 3.541 min
Delta R.T.: 0.002 min
Response: 54616208
Conc: 20.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD



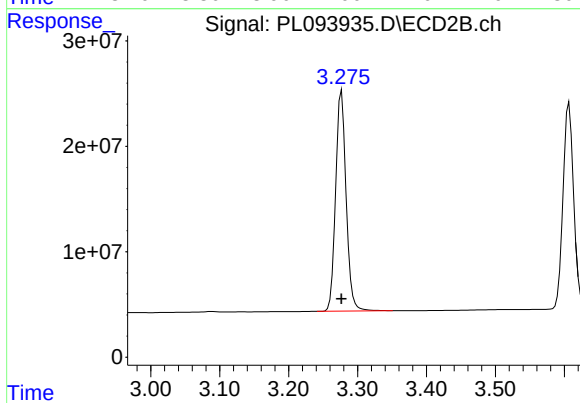
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 61923350
Conc: 18.97 ng/ml



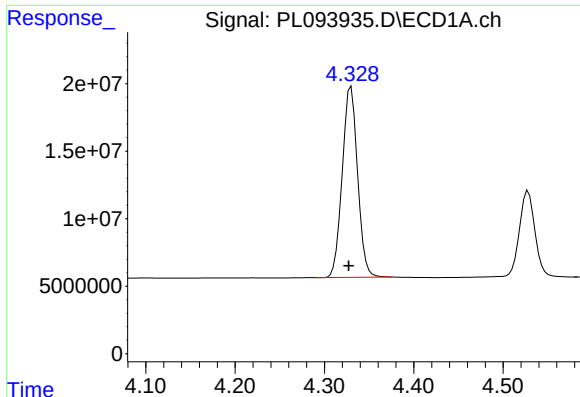
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.002 min
Response: 177116521
Conc: 46.20 ng/ml



#2 alpha-BHC

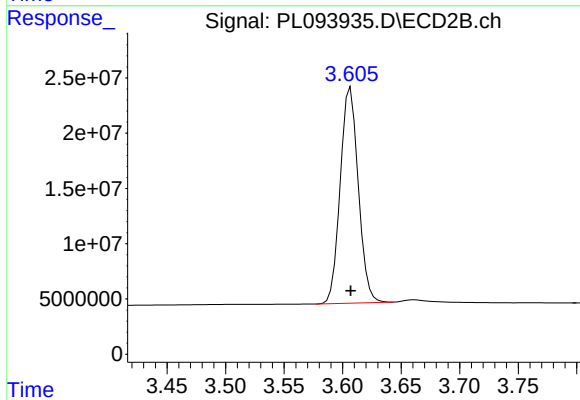
R.T.: 3.277 min
Delta R.T.: 0.000 min
Response: 220616515
Conc: 45.13 ng/ml



#3 gamma-BHC (Lindane)

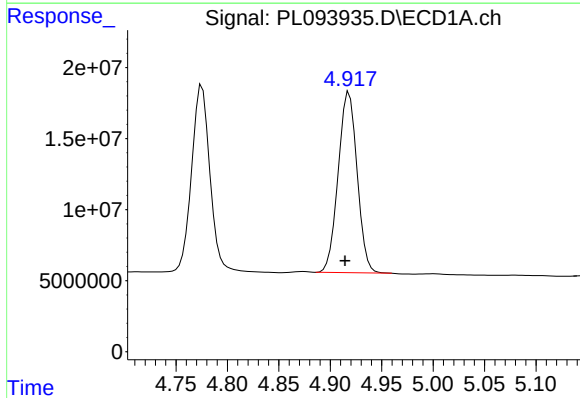
R.T.: 4.330 min
Delta R.T.: 0.003 min
Response: 168597506
Conc: 45.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD



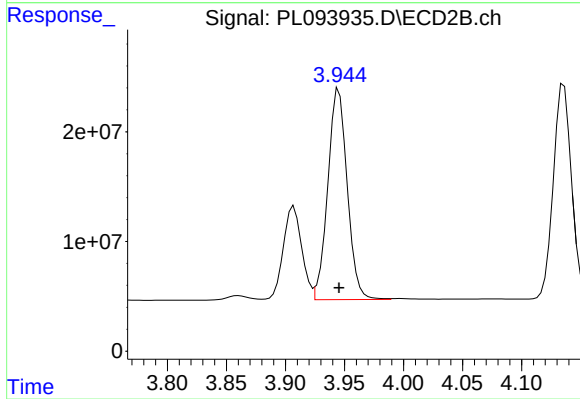
#3 gamma-BHC (Lindane)

R.T.: 3.607 min
Delta R.T.: 0.000 min
Response: 209318377
Conc: 44.15 ng/ml



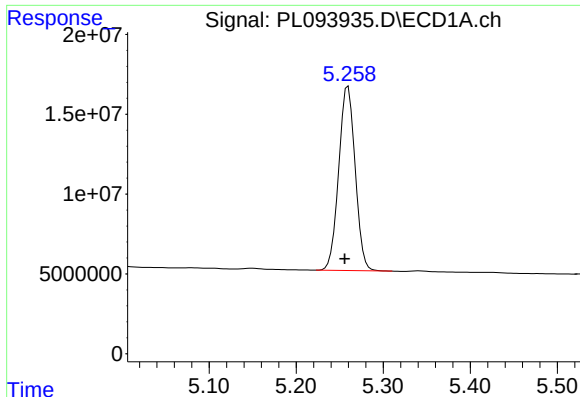
#4 Heptachlor

R.T.: 4.918 min
Delta R.T.: 0.004 min
Response: 163116588
Conc: 49.77 ng/ml



#4 Heptachlor

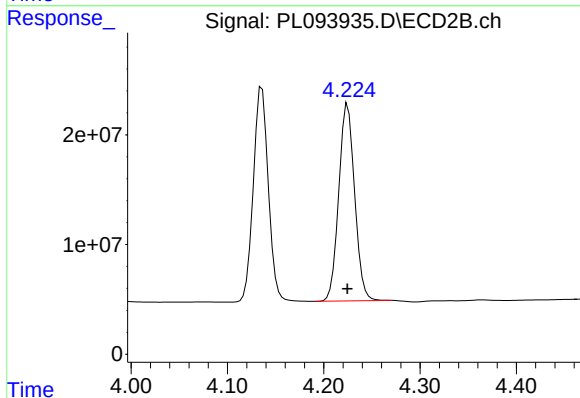
R.T.: 3.945 min
Delta R.T.: 0.000 min
Response: 220286222
Conc: 47.32 ng/ml



#5 Aldrin

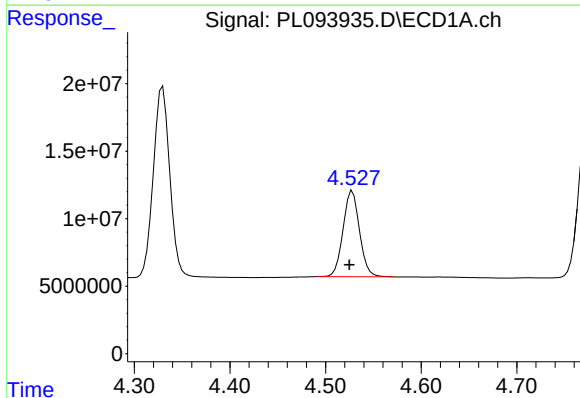
R.T.: 5.260 min
Delta R.T.: 0.004 min
Response: 151539920
Conc: 46.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD



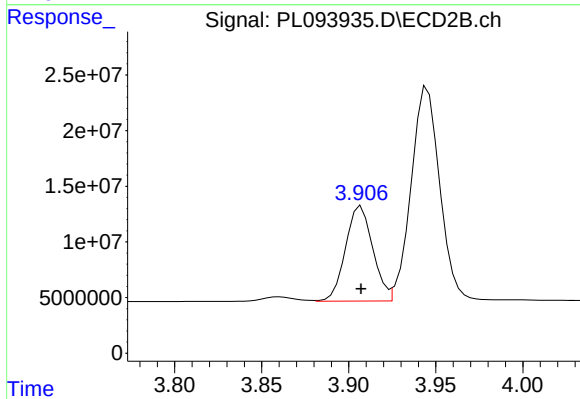
#5 Aldrin

R.T.: 4.225 min
Delta R.T.: 0.000 min
Response: 205457788
Conc: 45.04 ng/ml



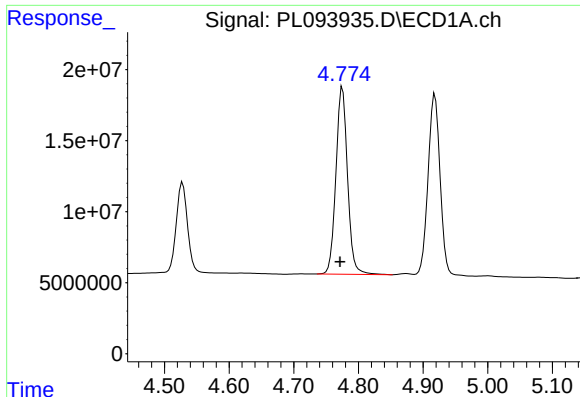
#6 beta-BHC

R.T.: 4.528 min
Delta R.T.: 0.003 min
Response: 76370123
Conc: 47.51 ng/ml



#6 beta-BHC

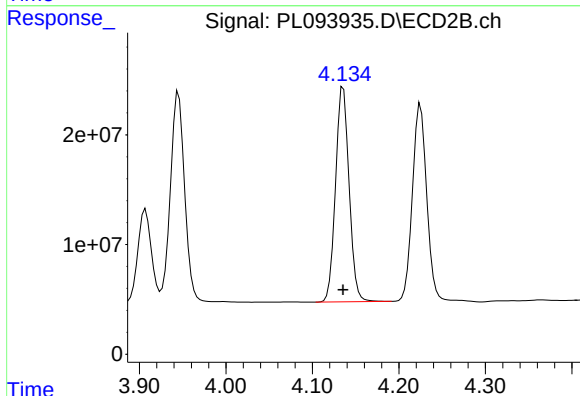
R.T.: 3.907 min
Delta R.T.: 0.000 min
Response: 93150774
Conc: 46.64 ng/ml



#7 delta-BHC

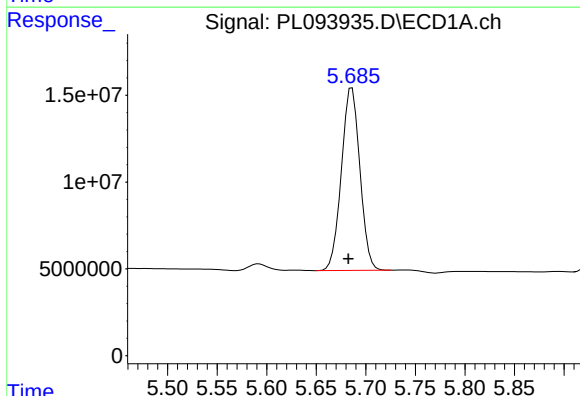
R.T.: 4.775 min
Delta R.T.: 0.004 min
Response: 164250644
Conc: 46.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD



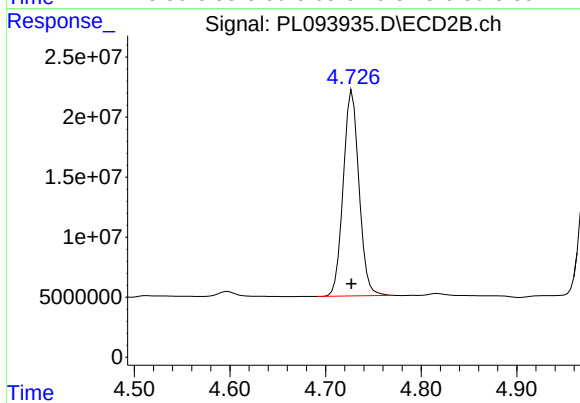
#7 delta-BHC

R.T.: 4.136 min
Delta R.T.: 0.000 min
Response: 212516820
Conc: 44.73 ng/ml



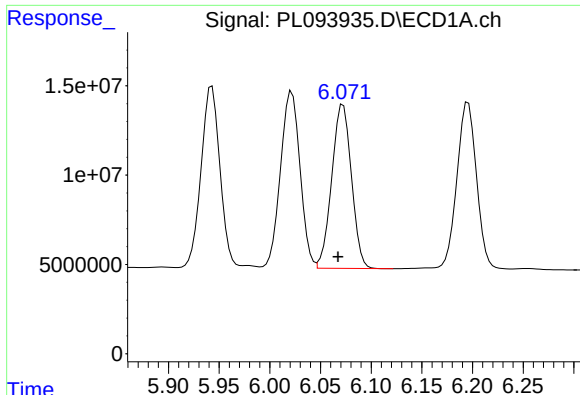
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: 0.004 min
Response: 136537599
Conc: 45.91 ng/ml



#8 Heptachlor epoxide

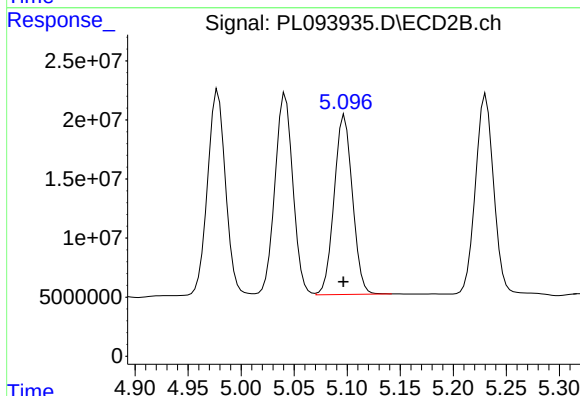
R.T.: 4.728 min
Delta R.T.: 0.000 min
Response: 197142787
Conc: 47.16 ng/ml



#9 Endosulfan I

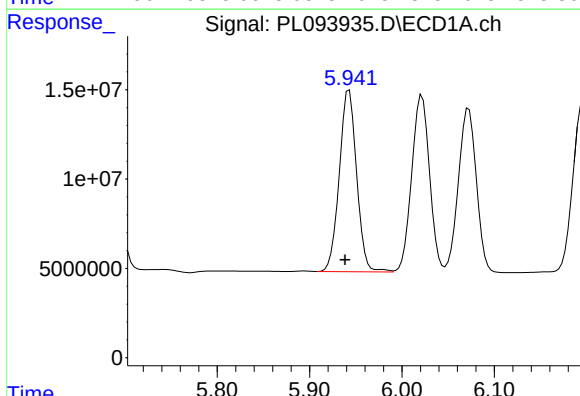
R.T.: 6.072 min
Delta R.T.: 0.005 min
Response: 124190524
Conc: 46.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD



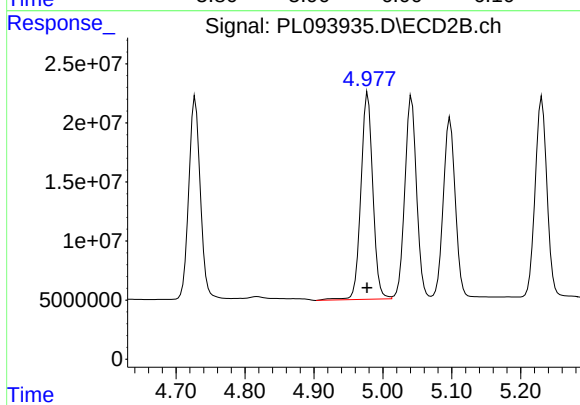
#9 Endosulfan I

R.T.: 5.098 min
Delta R.T.: 0.001 min
Response: 182539735
Conc: 47.08 ng/ml



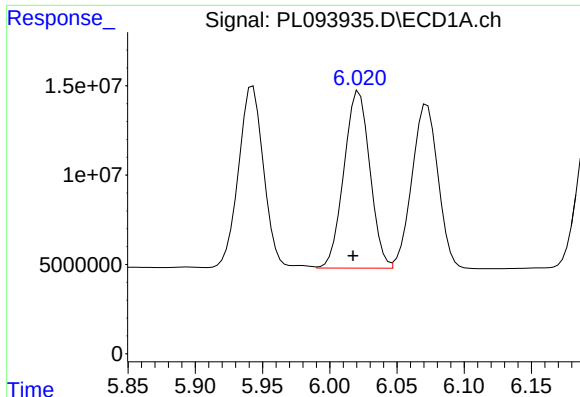
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: 0.005 min
Response: 132679247
Conc: 47.60 ng/ml



#10 gamma-Chlordane

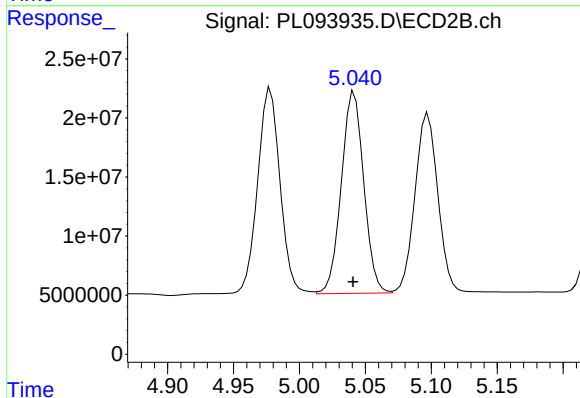
R.T.: 4.978 min
Delta R.T.: 0.001 min
Response: 210076017
Conc: 49.57 ng/ml



#11 alpha-Chlordane

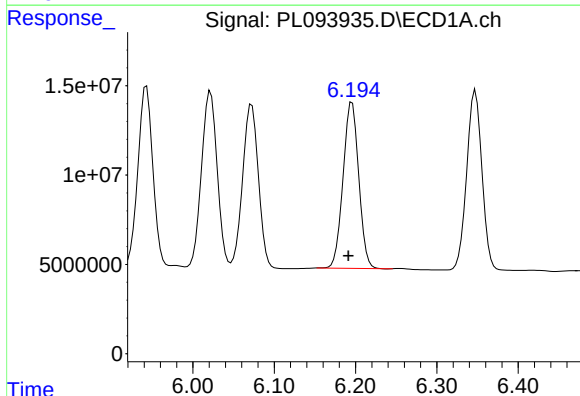
R.T.: 6.022 min
Delta R.T.: 0.004 min
Response: 133003707
Conc: 47.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD



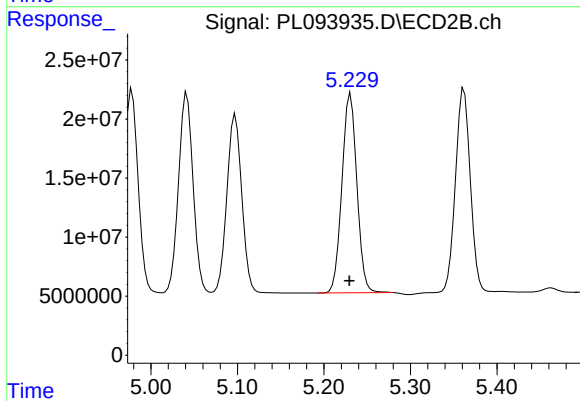
#11 alpha-Chlordane

R.T.: 5.042 min
Delta R.T.: 0.001 min
Response: 202123786
Conc: 48.28 ng/ml



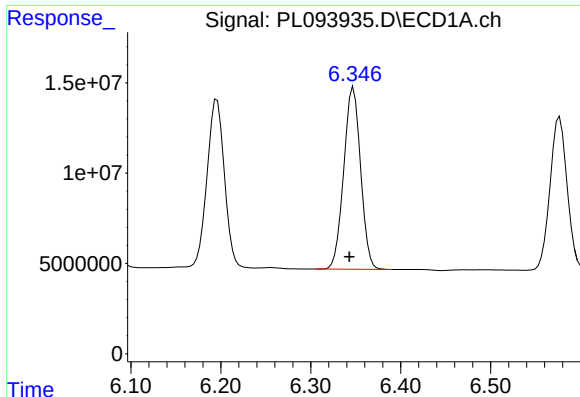
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.005 min
Response: 124011678
Conc: 50.94 ng/ml



#12 4,4'-DDE

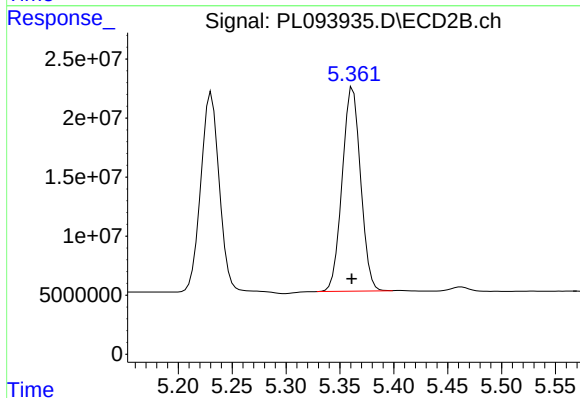
R.T.: 5.231 min
Delta R.T.: 0.001 min
Response: 201107683
Conc: 50.16 ng/ml



#13 Dieldrin

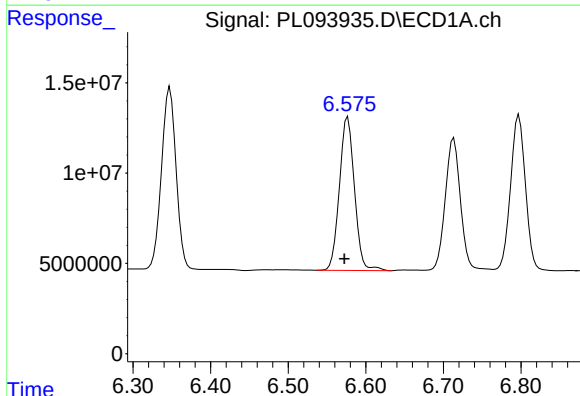
R.T.: 6.347 min
Delta R.T.: 0.005 min
Response: 131225539
Conc: 47.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD



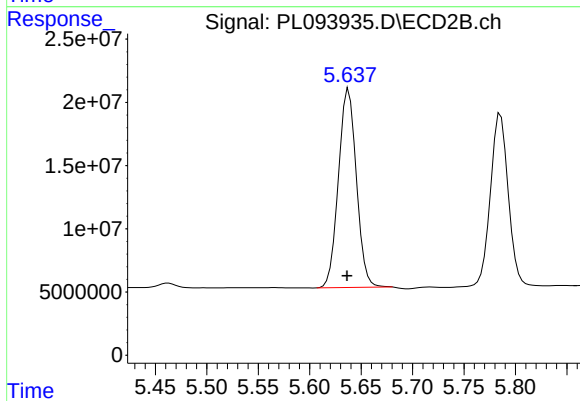
#13 Dieldrin

R.T.: 5.362 min
Delta R.T.: 0.001 min
Response: 205691360
Conc: 47.88 ng/ml



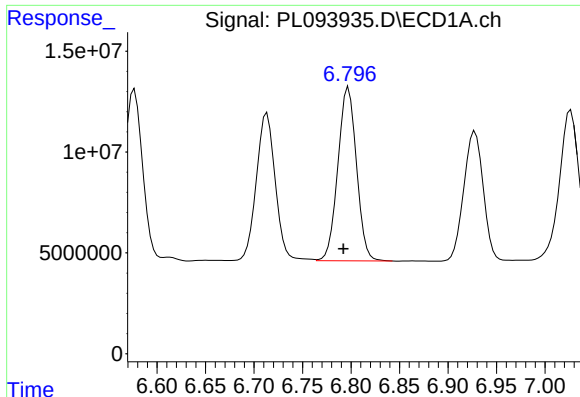
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.004 min
Response: 114648505
Conc: 48.89 ng/ml



#14 Endrin

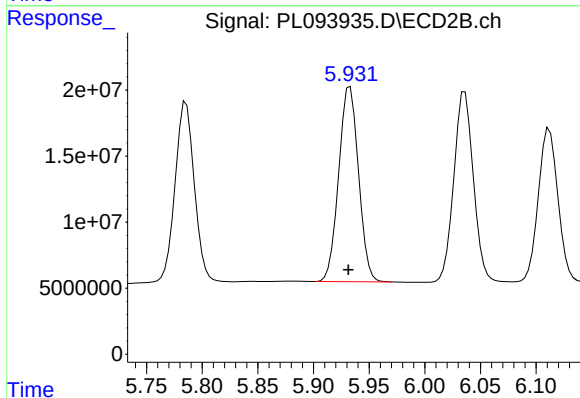
R.T.: 5.638 min
Delta R.T.: 0.001 min
Response: 191161946
Conc: 51.77 ng/ml



#15 Endosulfan II

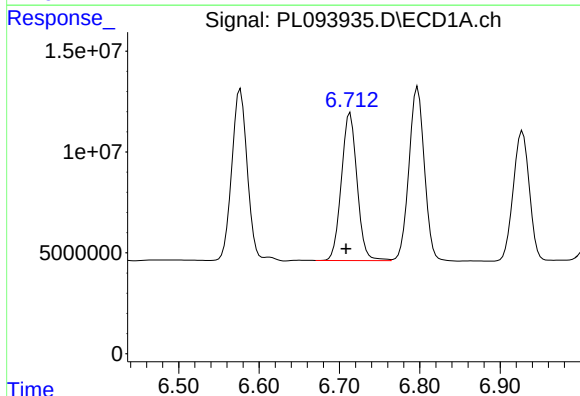
R.T.: 6.797 min
Delta R.T.: 0.005 min
Response: 114862181
Conc: 47.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD



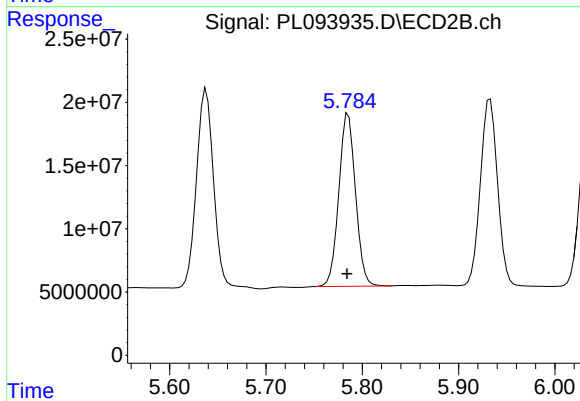
#15 Endosulfan II

R.T.: 5.933 min
Delta R.T.: 0.002 min
Response: 183040364
Conc: 49.42 ng/ml



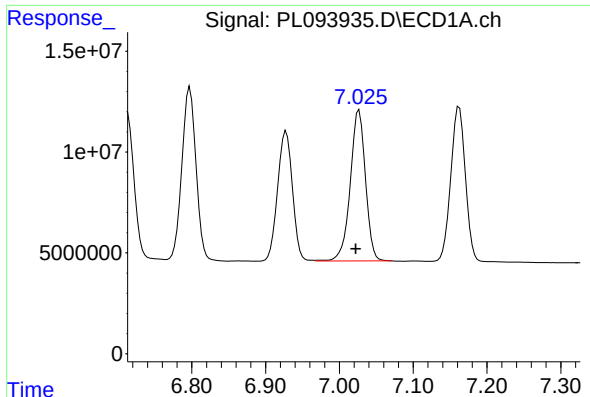
#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: 0.005 min
Response: 99415719
Conc: 52.31 ng/ml



#16 4,4'-DDD

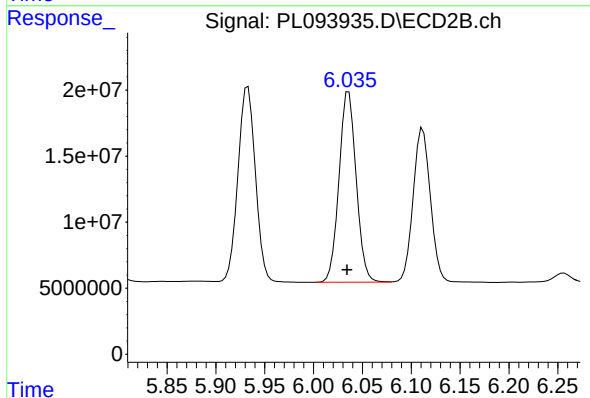
R.T.: 5.786 min
Delta R.T.: 0.001 min
Response: 164268739
Conc: 52.04 ng/ml



#17 4,4'-DDT

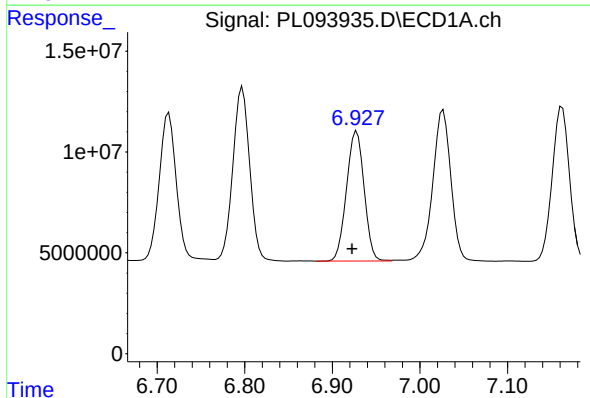
R.T.: 7.027 min
Delta R.T.: 0.004 min
Response: 107311617
Conc: 54.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD



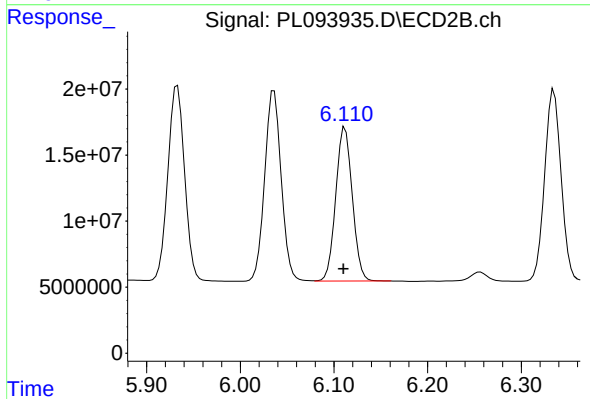
#17 4,4'-DDT

R.T.: 6.036 min
Delta R.T.: 0.002 min
Response: 176752721
Conc: 54.32 ng/ml



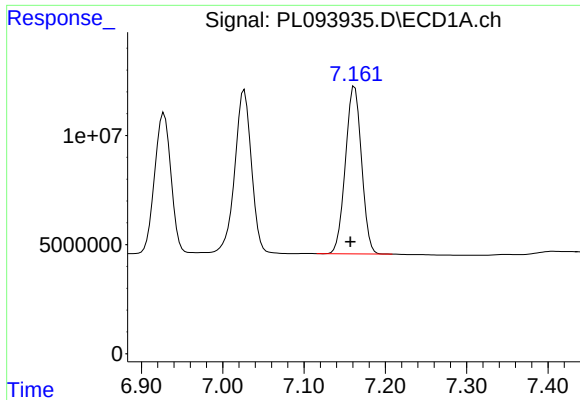
#18 Endrin aldehyde

R.T.: 6.928 min
Delta R.T.: 0.005 min
Response: 90022140
Conc: 46.31 ng/ml



#18 Endrin aldehyde

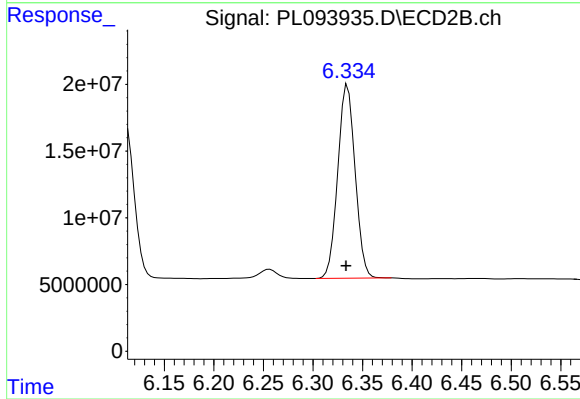
R.T.: 6.112 min
Delta R.T.: 0.002 min
Response: 143204731
Conc: 47.04 ng/ml



#19 Endosulfan Sulfate

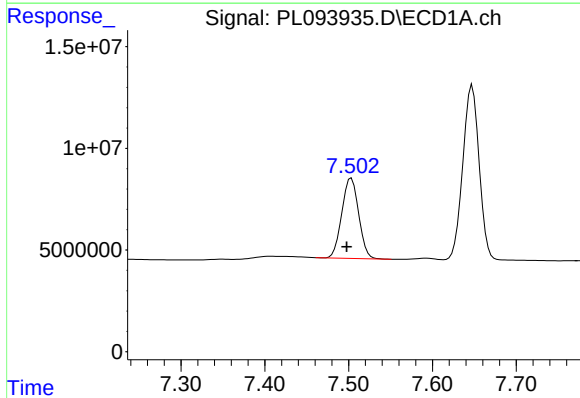
R.T.: 7.162 min
Delta R.T.: 0.005 min
Response: 105218887
Conc: 46.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD



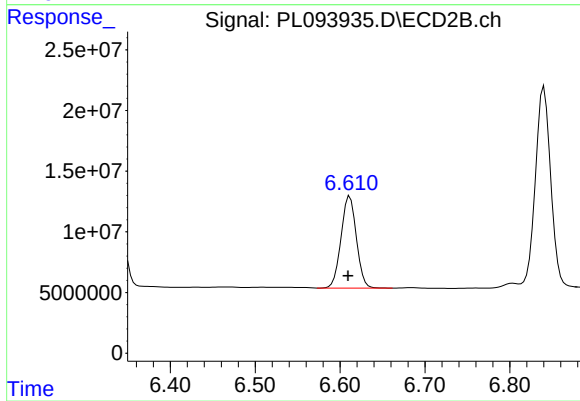
#19 Endosulfan Sulfate

R.T.: 6.335 min
Delta R.T.: 0.002 min
Response: 176895722
Conc: 49.61 ng/ml



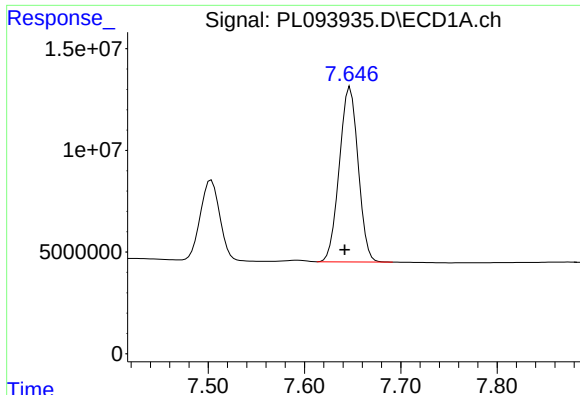
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.005 min
Response: 55169258
Conc: 52.87 ng/ml



#20 Methoxychlor

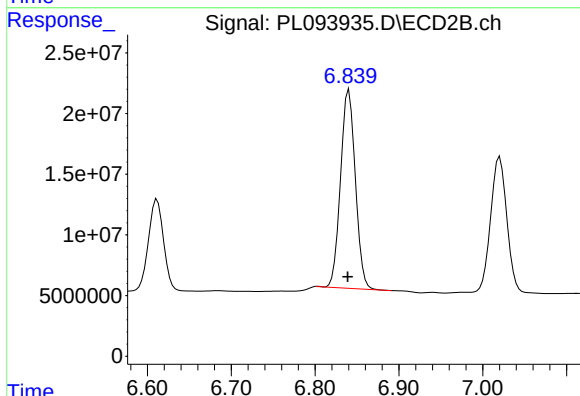
R.T.: 6.612 min
Delta R.T.: 0.002 min
Response: 95075552
Conc: 53.17 ng/ml



#21 Endrin ketone

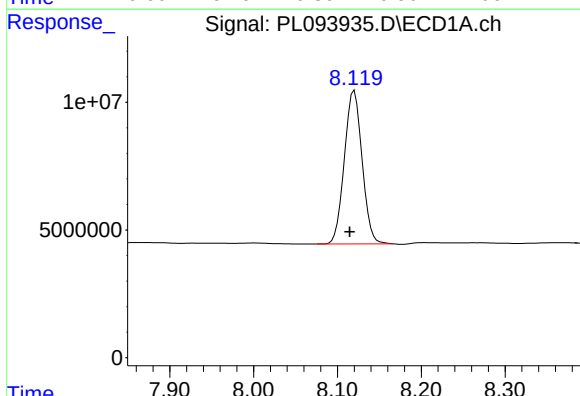
R.T.: 7.647 min
Delta R.T.: 0.006 min
Response: 116401370
Conc: 46.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD



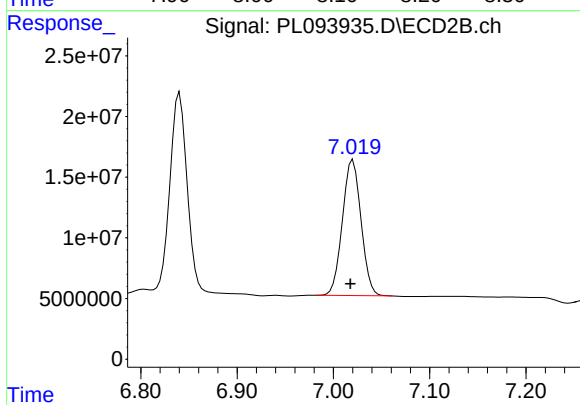
#21 Endrin ketone

R.T.: 6.840 min
Delta R.T.: 0.001 min
Response: 200803828
Conc: 47.86 ng/ml



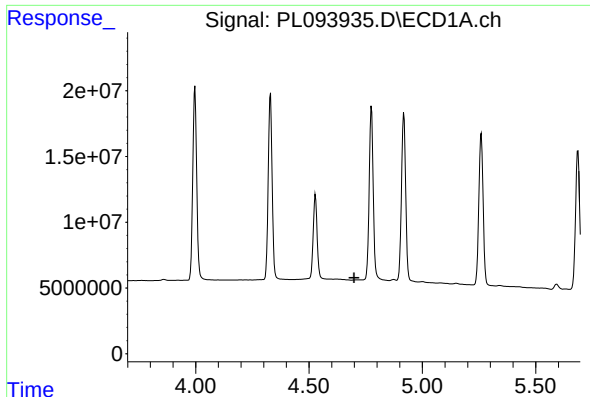
#22 Mirex

R.T.: 8.120 min
Delta R.T.: 0.005 min
Response: 88403054
Conc: 42.45 ng/ml



#22 Mirex

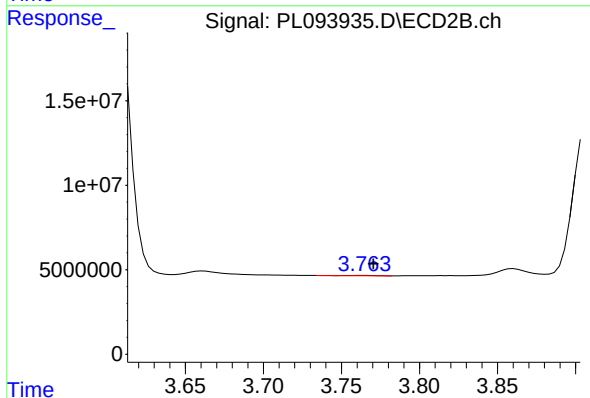
R.T.: 7.020 min
Delta R.T.: 0.003 min
Response: 150037073
Conc: 44.36 ng/ml



#23 Chlordane-1

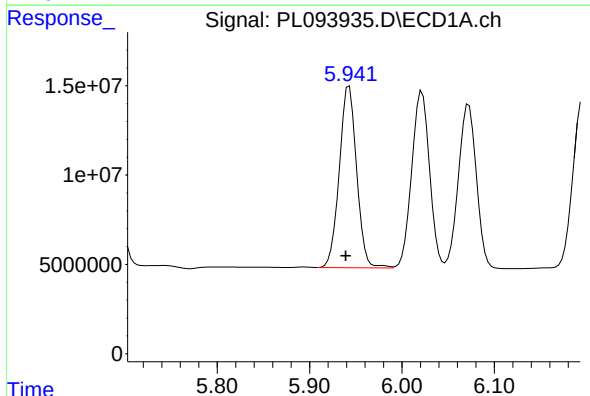
R.T.: 0.000 min
Exp R.T.: 4.700 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PB166365BSD



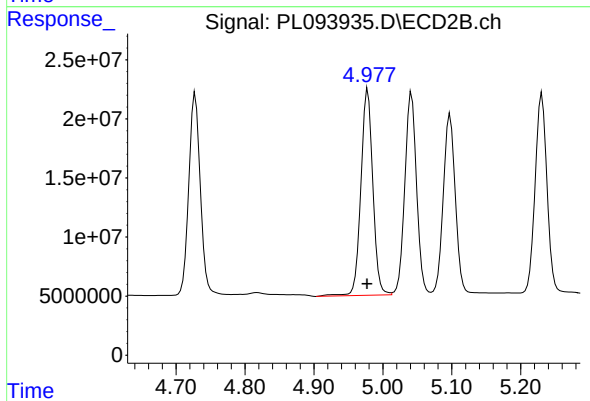
#23 Chlordane-1

R.T.: 3.764 min
Delta R.T.: -0.007 min
Response: 154292
Conc: 1.24 ng/ml



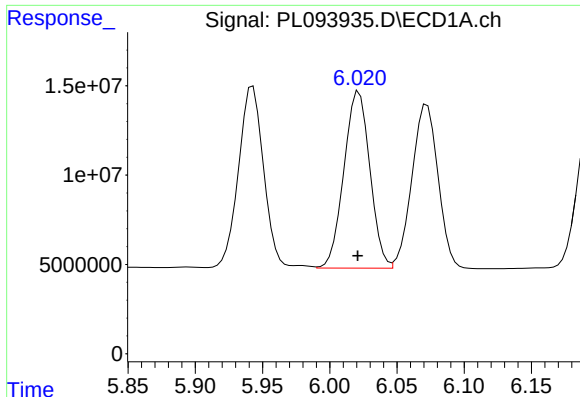
#25 Chlordane-3

R.T.: 5.943 min
Delta R.T.: 0.004 min
Response: 132679247
Conc: 338.24 ng/ml



#25 Chlordane-3

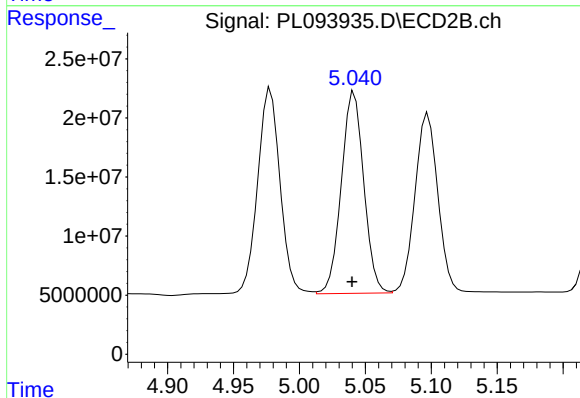
R.T.: 4.978 min
Delta R.T.: 0.001 min
Response: 210076017
Conc: 483.13 ng/ml



#26 Chlordane-4

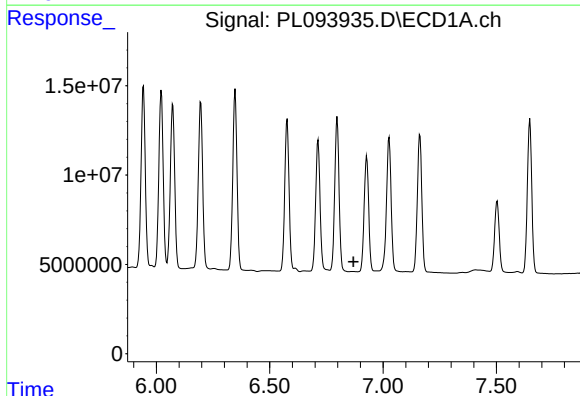
R.T.: 6.022 min
Delta R.T.: 0.000 min
Response: 133003707
Conc: 282.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD



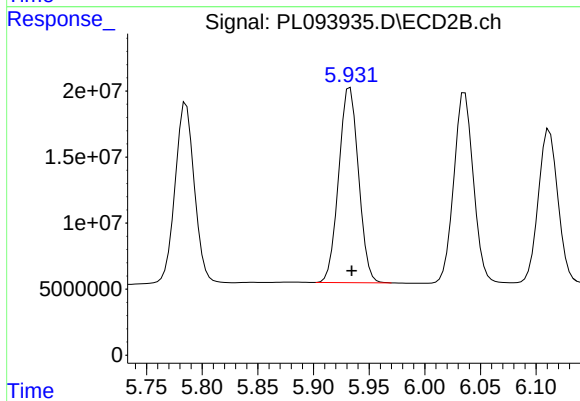
#26 Chlordane-4

R.T.: 5.042 min
Delta R.T.: 0.002 min
Response: 202123786
Conc: 477.08 ng/ml



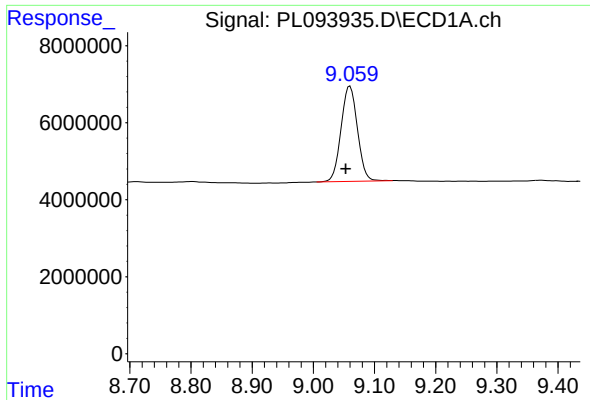
#27 Chlordane-5

R.T.: 0.000 min
Exp R.T. : 6.870 min
Response: 0
Conc: N.D.



#27 Chlordane-5

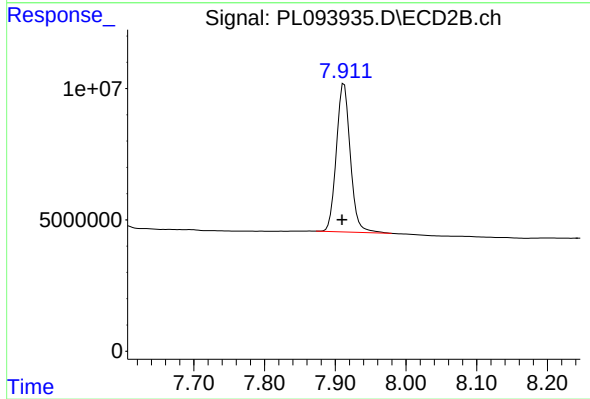
R.T.: 5.933 min
Delta R.T.: -0.002 min
Response: 183040364
Conc: 1195.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.007 min
Response: 46000174
Conc: 21.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB166365BSD



#28 Decachlorobiphenyl

R.T.: 7.912 min
Delta R.T.: 0.003 min
Response: 77428119
Conc: 22.10 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
 Data File : PL093939.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Jan 2025 14:15
 Operator : AR\AJ
 Sample : Q1211-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TAPIAL2-MW03-012825-00-T3

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 01 00:26:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.538	2.774	120.7E6	65394986	44.822	20.034 #
28)	SA Decachlor...	9.055	7.910	27970976	45609187	13.371	13.016
Target Compounds							
2)	A alpha-BHC	0.000	3.258f	0	1162858	N.D.	0.238 #
4)	MA Heptachlor	0.000	3.933	0	103421	N.D.	0.022 #
5)	MB Aldrin	0.000	4.207f	0	2365250	N.D.	0.518 #
6)	B beta-BHC	0.000	3.890f	0	459848	N.D.	0.230 #
9)	A Endosulfan I	0.000	5.120f	0	458851	N.D.	0.118 #
10)	B gamma-Chl...	0.000	4.972	0	5019221	N.D.	1.184 #
11)	B alpha-Chl...	0.000	5.053	0	2518568	N.D.	0.602 #
14)	MA Endrin	0.000	5.655f	0	2222843	N.D.	0.602 #
15)	B Endosulfa...	0.000	5.924	0	419279	N.D.	0.113 #
17)	MA 4,4'-DDT	0.000	6.034	0	848043	N.D.	0.261 #
19)	B Endosulfa...	0.000	6.337	0	851895	N.D.	0.239 #
20)	A Methoxychlor	0.000	6.603	0	535188	N.D.	0.299 #
21)	B Endrin ke...	0.000	6.858f	0	1789112	N.D.	0.426 #
22)	Mirex	0.000	7.023	0	1563228	N.D.	0.462 #
23)	Chlordane-1	0.000	3.792f	0	203809	N.D.	1.633 #
24)	Chlordane-2	0.000	4.368f	0	1418332	N.D.	9.667 #
25)	Chlordane-3	0.000	4.972	0	5019221	N.D.	11.543 #
26)	Chlordane-4	0.000	5.053	0	2518568	N.D.	5.945 #
27)	Chlordane-5	0.000	5.924	0	419279	N.D.	2.737 #

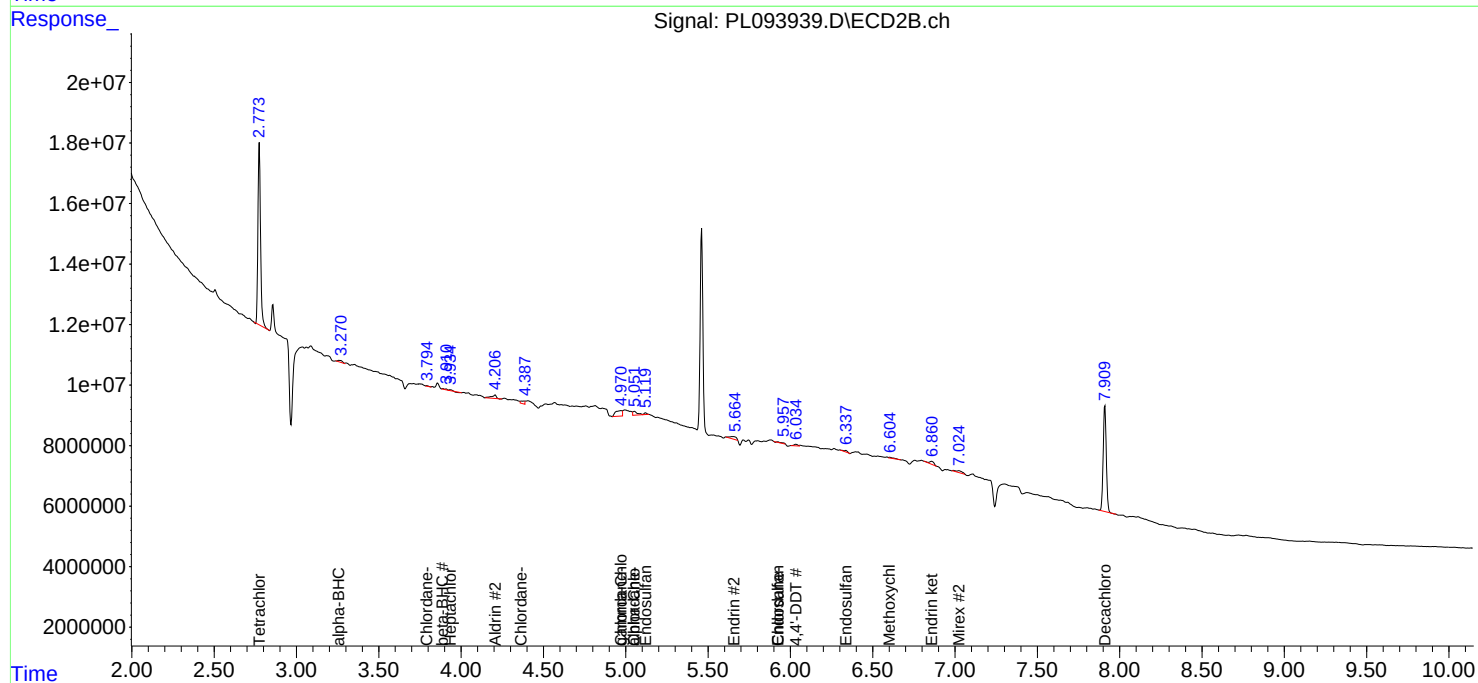
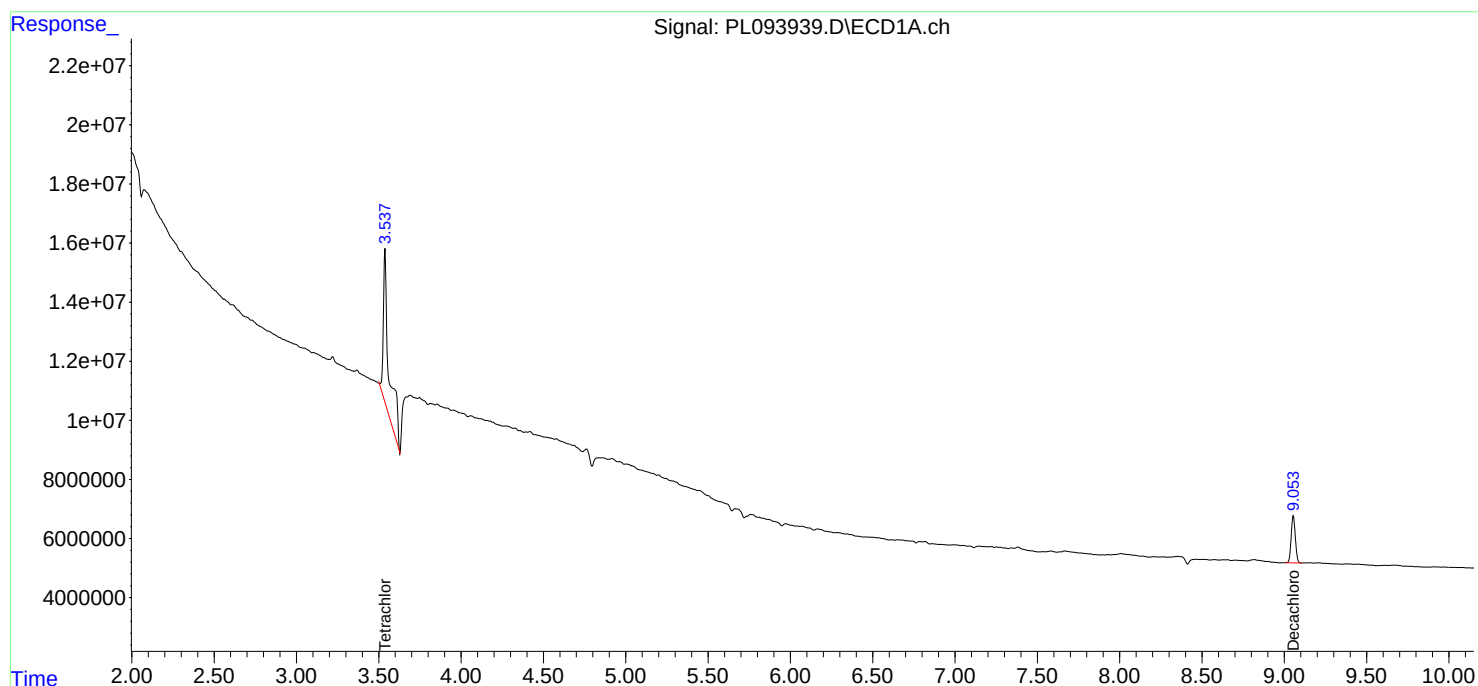
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

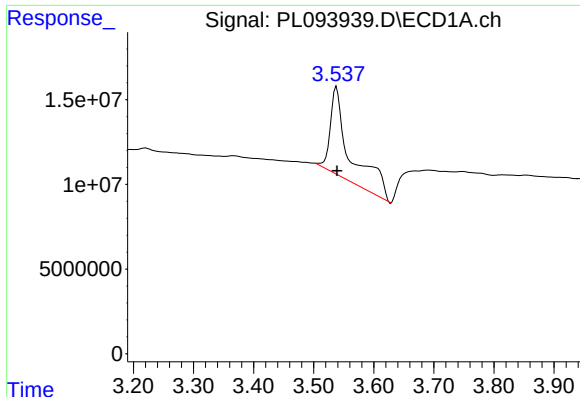
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093939.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 14:15
Operator : AR\AJ
Sample : Q1211-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TAPIAL2-MW03-012825-00-T3

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 01 00:26:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

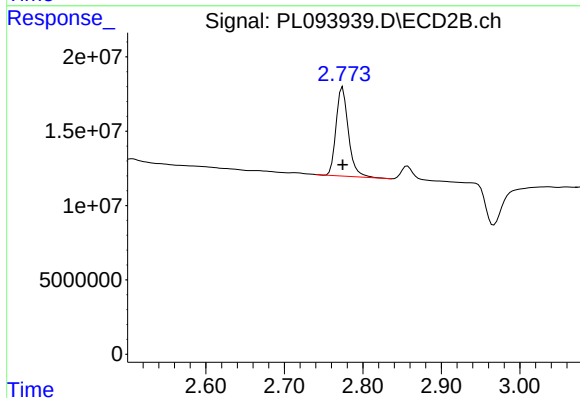




#1 Tetrachloro-m-xylene

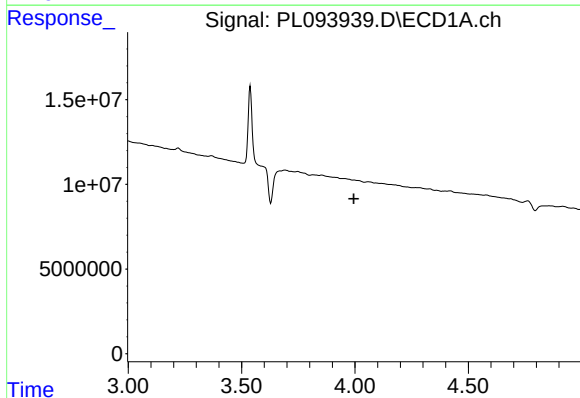
R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 120695640
Conc: 44.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAPIAL2-MW03-012825-00-T3



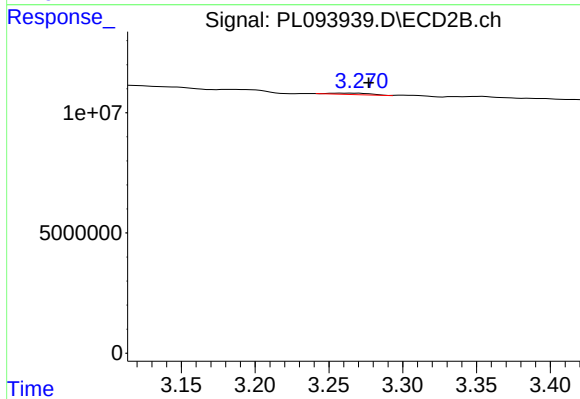
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: 0.000 min
Response: 65394986
Conc: 20.03 ng/ml



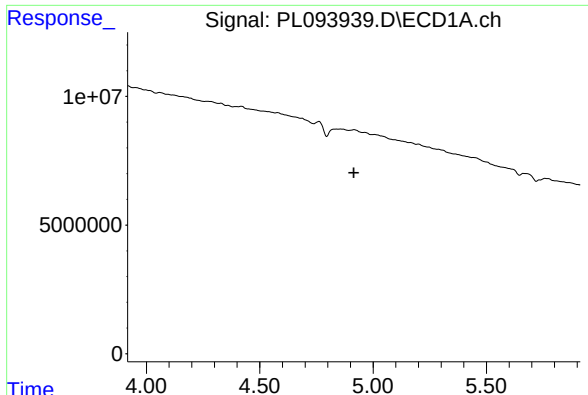
#2 alpha-BHC

R.T.: 0.000 min
Exp R.T. : 3.995 min
Response: 0
Conc: N.D.



#2 alpha-BHC

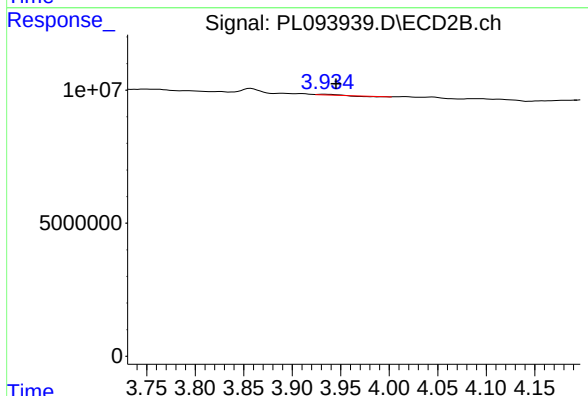
R.T.: 3.258 min
Delta R.T.: -0.019 min
Response: 1162858
Conc: 0.24 ng/ml



#4 Heptachlor

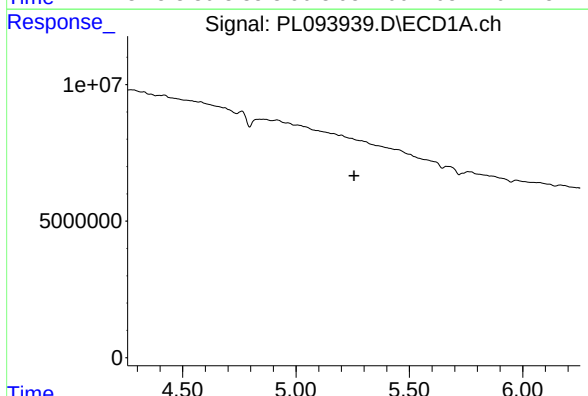
R.T.: 0.000 min
Exp R.T.: 4.914 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TAPIAL2-MW03-012825-00-T3



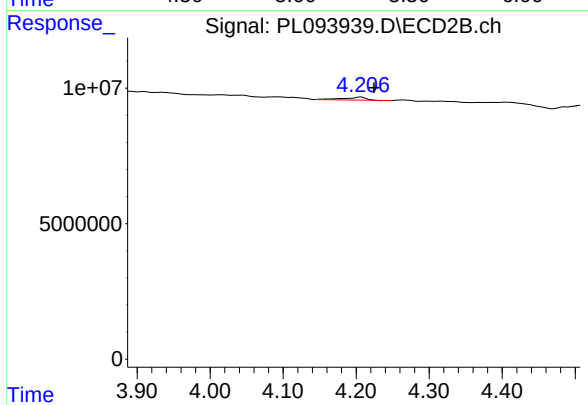
#4 Heptachlor

R.T.: 3.933 min
Delta R.T.: -0.012 min
Response: 103421
Conc: 0.02 ng/ml



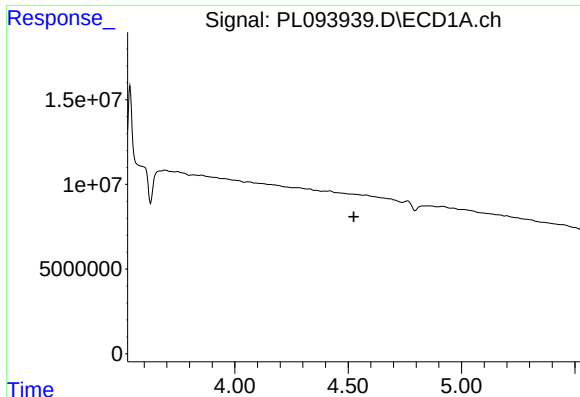
#5 Aldrin

R.T.: 0.000 min
Exp R.T.: 5.256 min
Response: 0
Conc: N.D.



#5 Aldrin

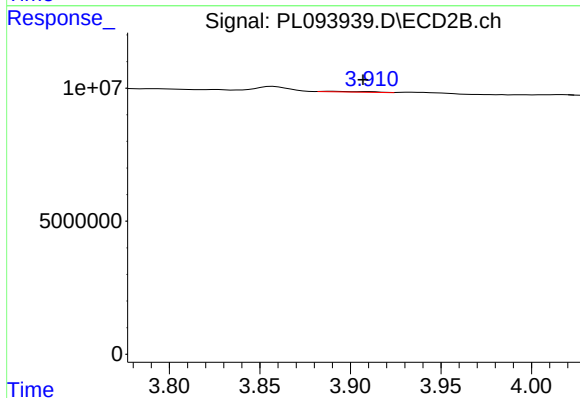
R.T.: 4.207 min
Delta R.T.: -0.018 min
Response: 2365250
Conc: 0.52 ng/ml



#6 beta-BHC

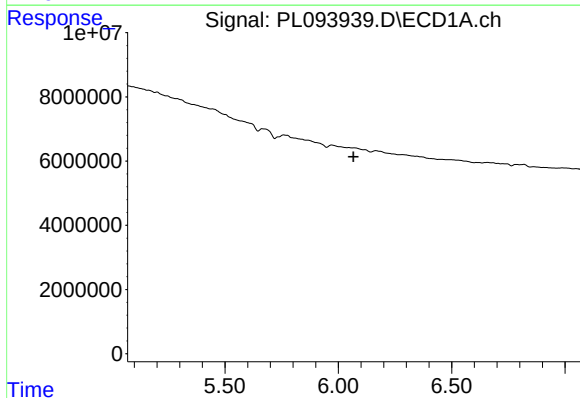
R.T.: 0.000 min
Exp R.T.: 4.525 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TAPIAL2-MW03-012825-00-T3



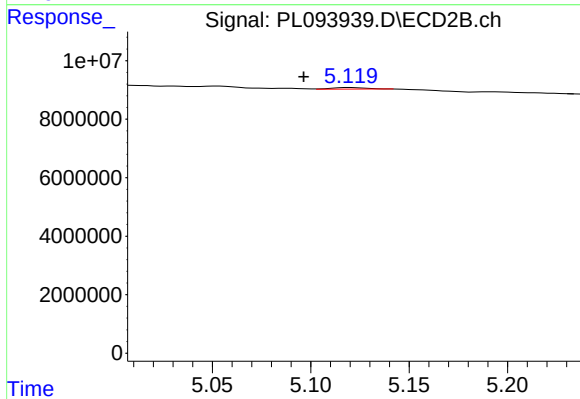
#6 beta-BHC

R.T.: 3.890 min
Delta R.T.: -0.017 min
Response: 459848
Conc: 0.23 ng/ml



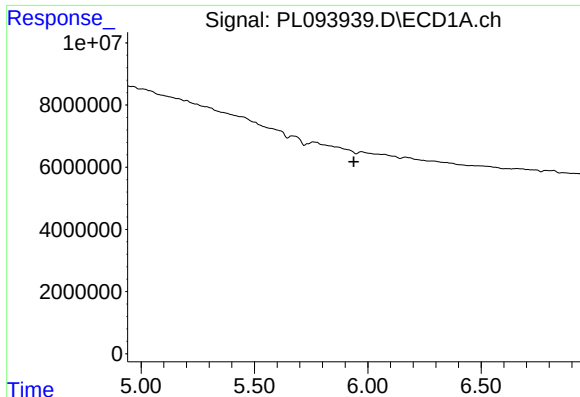
#9 Endosulfan I

R.T.: 0.000 min
Exp R.T.: 6.067 min
Response: 0
Conc: N.D.



#9 Endosulfan I

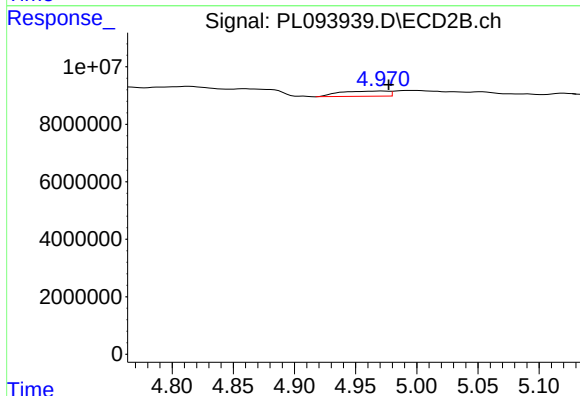
R.T.: 5.120 min
Delta R.T.: 0.024 min
Response: 458851
Conc: 0.12 ng/ml



#10 gamma-Chlordane

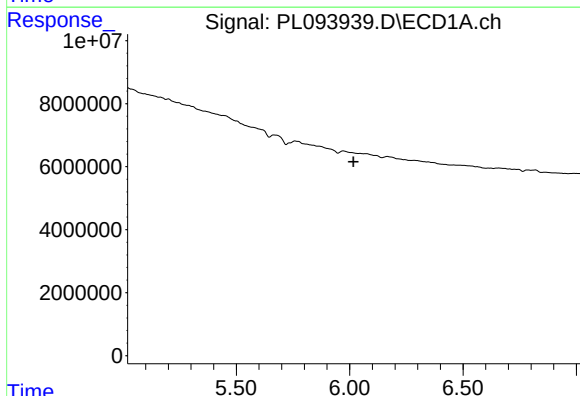
R.T.: 0.000 min
Exp R.T.: 5.938 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TAPIAL2-MW03-012825-00-T3



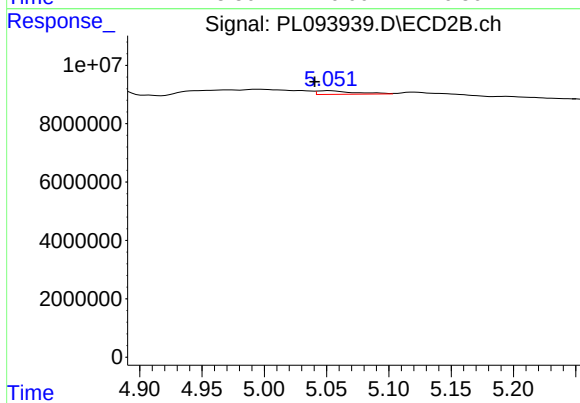
#10 gamma-Chlordane

R.T.: 4.972 min
Delta R.T.: -0.005 min
Response: 5019221
Conc: 1.18 ng/ml



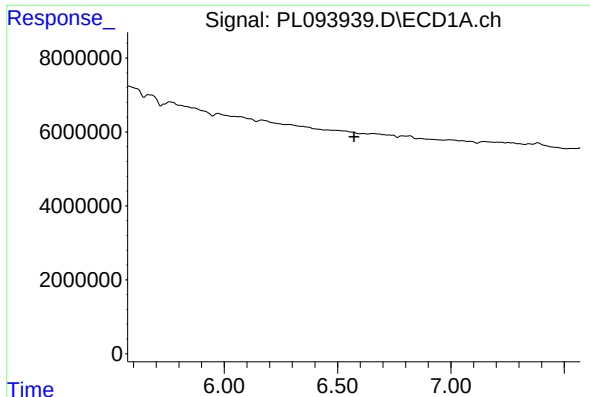
#11 alpha-Chlordane

R.T.: 0.000 min
Exp R.T.: 6.017 min
Response: 0
Conc: N.D.



#11 alpha-Chlordane

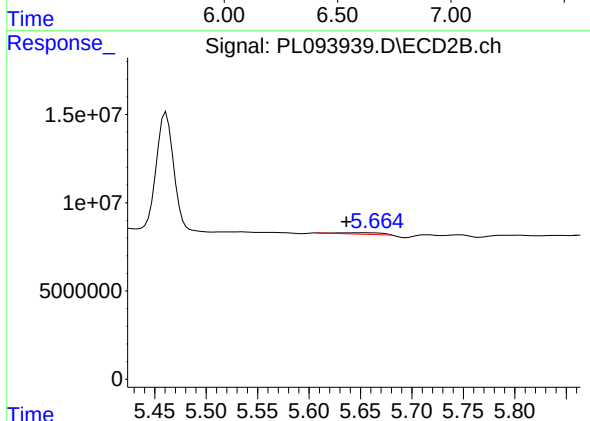
R.T.: 5.053 min
Delta R.T.: 0.012 min
Response: 2518568
Conc: 0.60 ng/ml



#14 Endrin

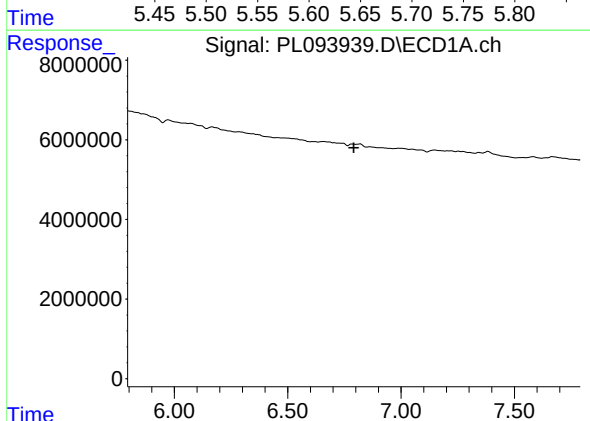
R.T.: 0.000 min
Exp R.T.: 6.572 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TAPIAL2-MW03-012825-00-T3



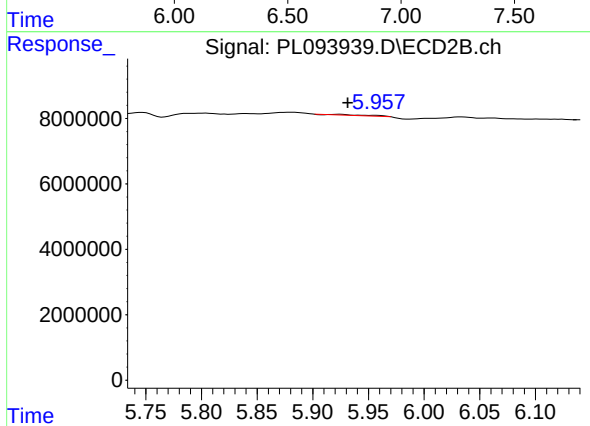
#14 Endrin

R.T.: 5.655 min
Delta R.T.: 0.019 min
Response: 2222843
Conc: 0.60 ng/ml



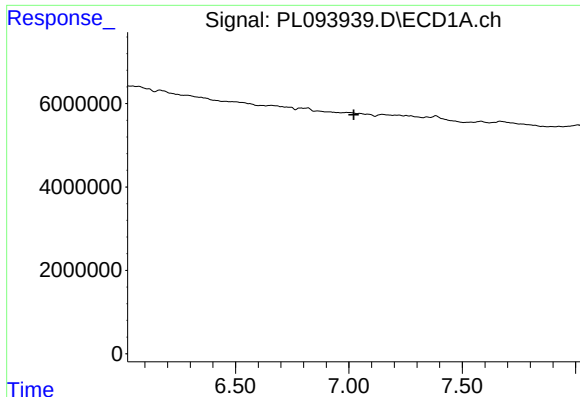
#15 Endosulfan II

R.T.: 0.000 min
Exp R.T.: 6.792 min
Response: 0
Conc: N.D.



#15 Endosulfan II

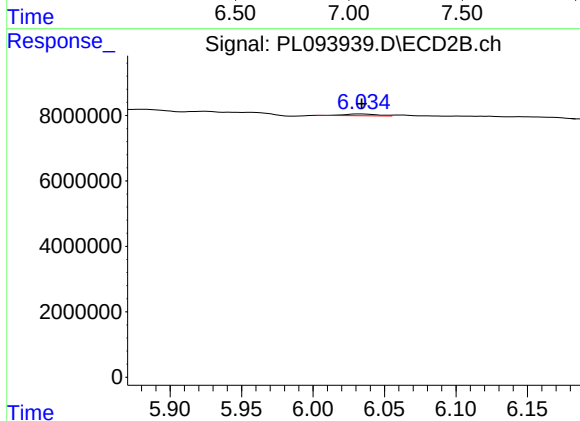
R.T.: 5.924 min
Delta R.T.: -0.007 min
Response: 419279
Conc: 0.11 ng/ml



#17 4,4'-DDT

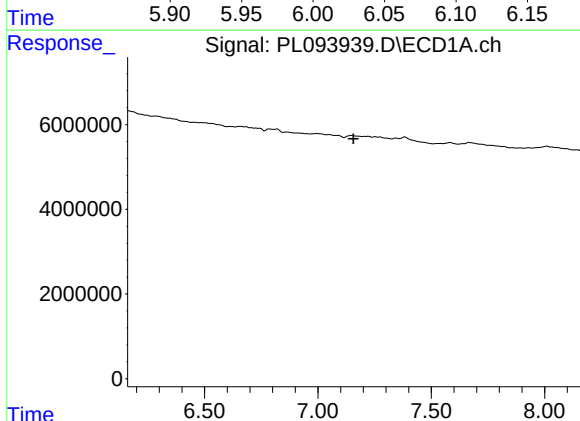
R.T.: 0.000 min
Exp R.T.: 7.022 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TAPIAL2-MW03-012825-00-T3



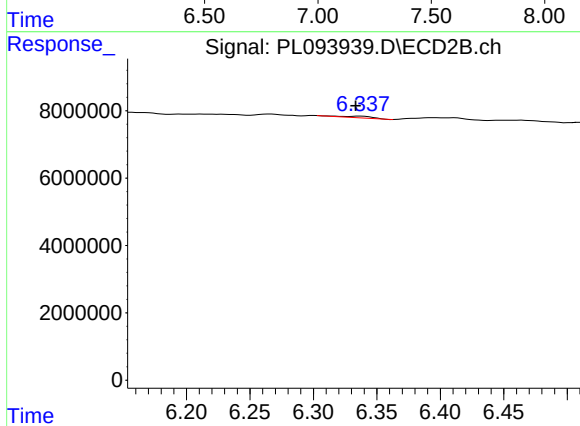
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 848043
Conc: 0.26 ng/ml



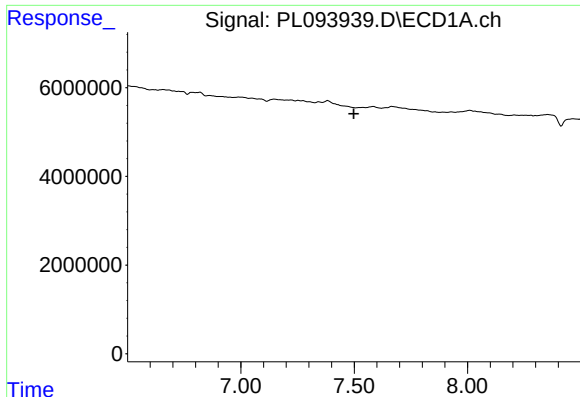
#19 Endosulfan Sulfate

R.T.: 0.000 min
Exp R.T.: 7.157 min
Response: 0
Conc: N.D.



#19 Endosulfan Sulfate

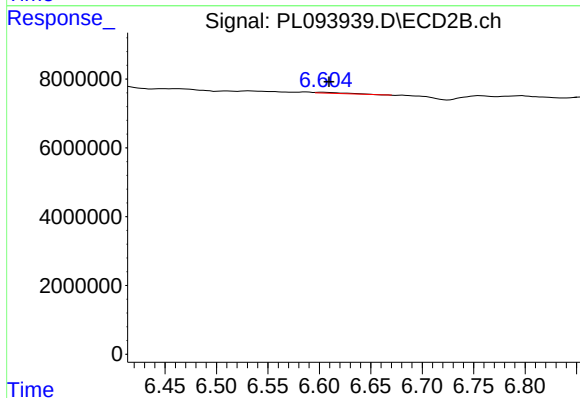
R.T.: 6.337 min
Delta R.T.: 0.004 min
Response: 851895
Conc: 0.24 ng/ml



#20 Methoxychlor

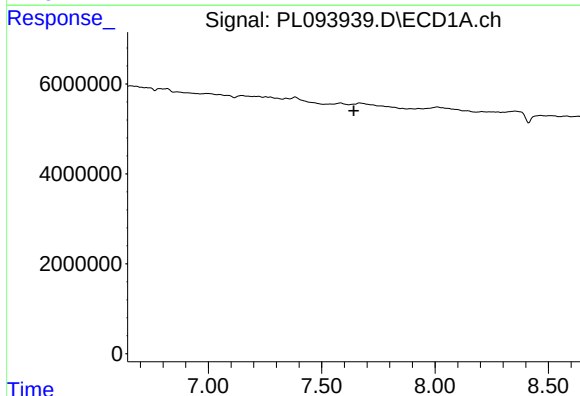
R.T.: 0.000 min
Exp R.T.: 7.498 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TAPIAL2-MW03-012825-00-T3



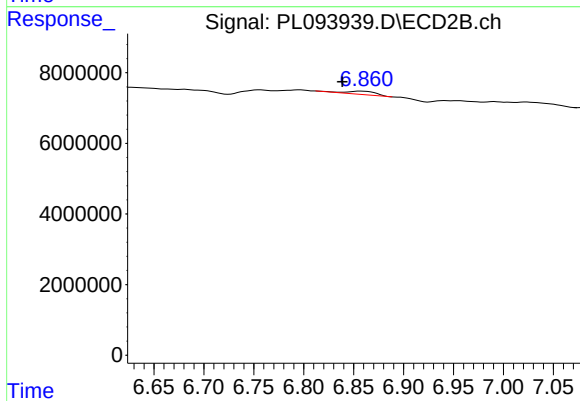
#20 Methoxychlor

R.T.: 6.603 min
Delta R.T.: -0.006 min
Response: 535188
Conc: 0.30 ng/ml



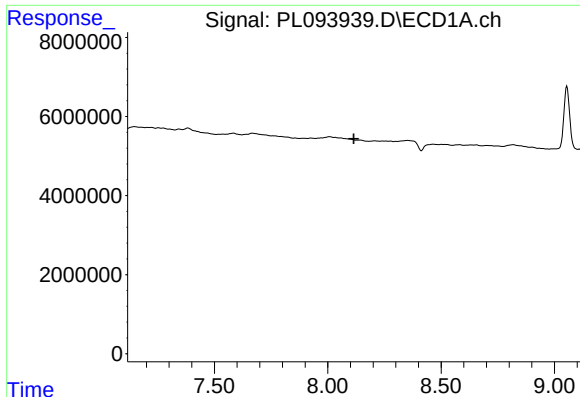
#21 Endrin ketone

R.T.: 0.000 min
Exp R.T.: 7.642 min
Response: 0
Conc: N.D.



#21 Endrin ketone

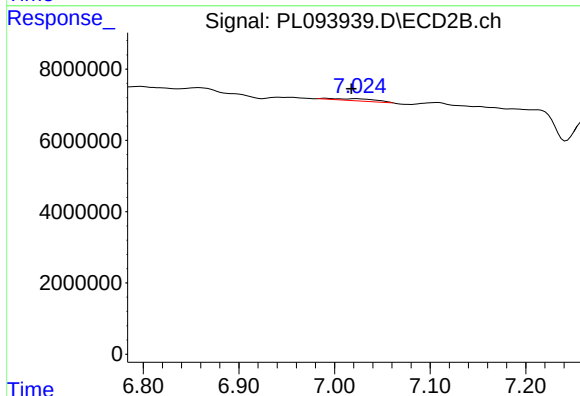
R.T.: 6.858 min
Delta R.T.: 0.019 min
Response: 1789112
Conc: 0.43 ng/ml



#22 Mirex

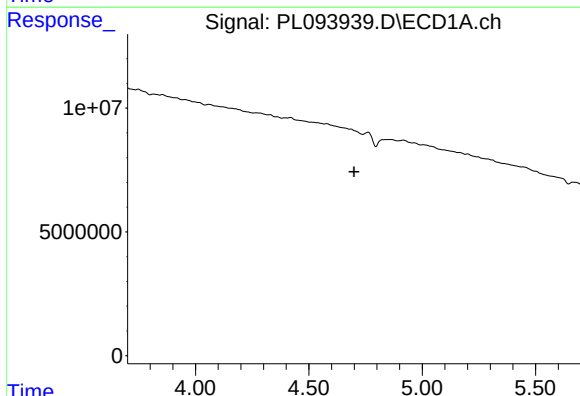
R.T.: 0.000 min
Exp R.T.: 8.115 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TAPIAL2-MW03-012825-00-T3



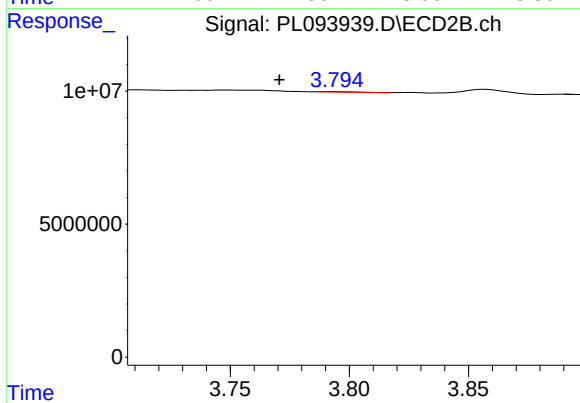
#22 Mirex

R.T.: 7.023 min
Delta R.T.: 0.005 min
Response: 1563228
Conc: 0.46 ng/ml



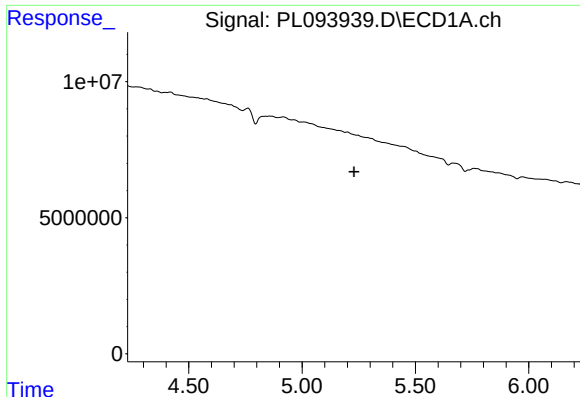
#23 Chlordane-1

R.T.: 0.000 min
Exp R.T.: 4.700 min
Response: 0
Conc: N.D.



#23 Chlordane-1

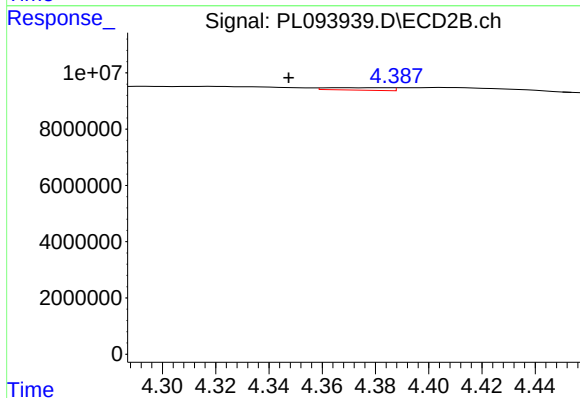
R.T.: 3.792 min
Delta R.T.: 0.021 min
Response: 203809
Conc: 1.63 ng/ml



#24 Chlordane-2

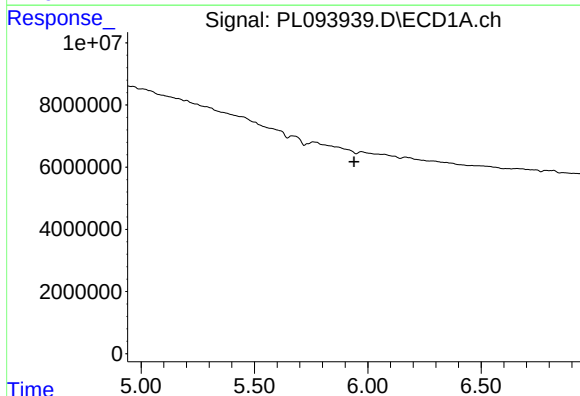
R.T.: 0.000 min
Exp R.T.: 5.229 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TAPIAL2-MW03-012825-00-T3



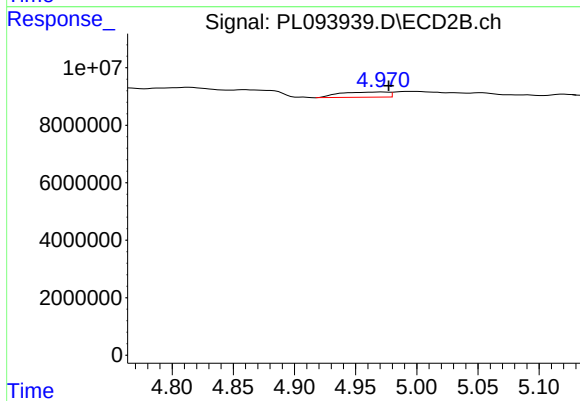
#24 Chlordane-2

R.T.: 4.368 min
Delta R.T.: 0.021 min
Response: 1418332
Conc: 9.67 ng/ml



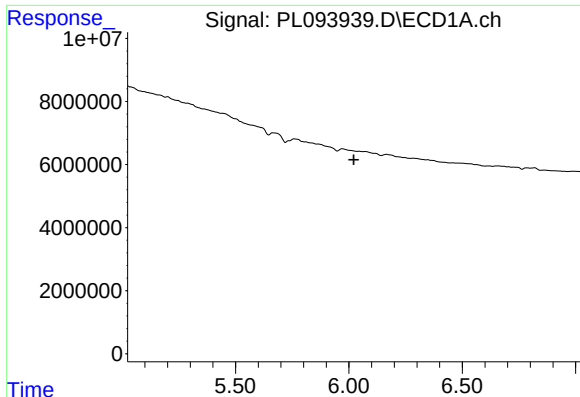
#25 Chlordane-3

R.T.: 0.000 min
Exp R.T.: 5.939 min
Response: 0
Conc: N.D.



#25 Chlordane-3

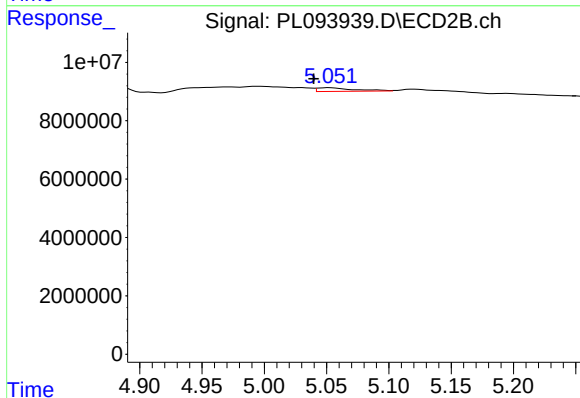
R.T.: 4.972 min
Delta R.T.: -0.005 min
Response: 5019221
Conc: 11.54 ng/ml



#26 Chlorine-4

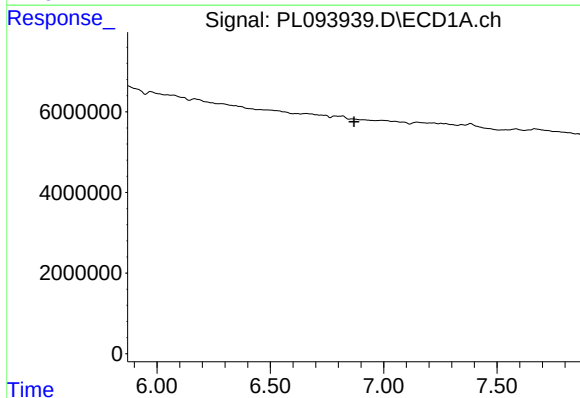
R.T.: 0.000 min
Exp R.T.: 6.021 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
TAPIAL2-MW03-012825-00-T3



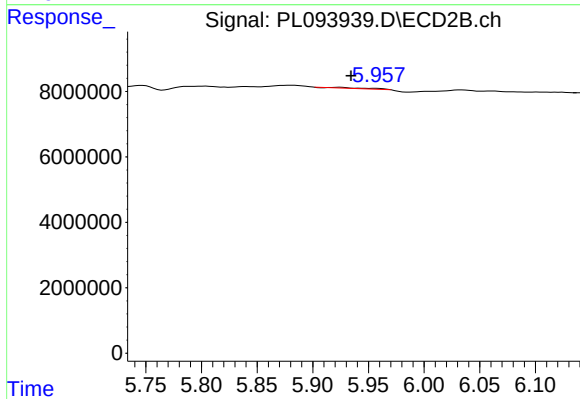
#26 Chlorine-4

R.T.: 5.053 min
Delta R.T.: 0.013 min
Response: 2518568
Conc: 5.94 ng/ml



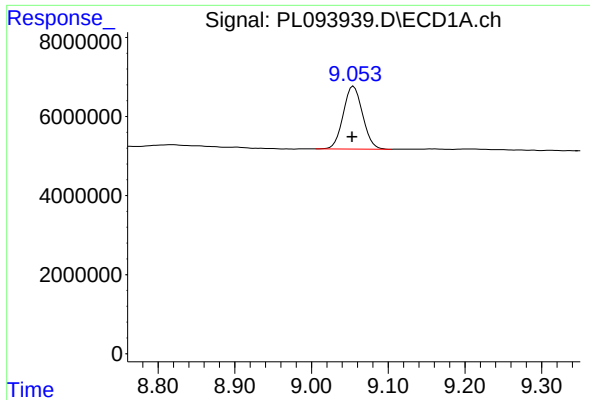
#27 Chlorine-5

R.T.: 0.000 min
Exp R.T.: 6.870 min
Response: 0
Conc: N.D.



#27 Chlorine-5

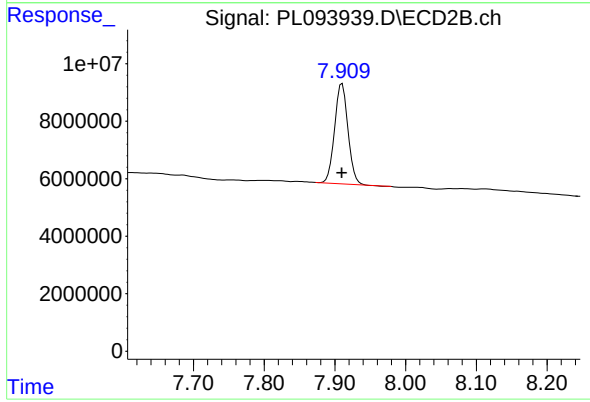
R.T.: 5.924 min
Delta R.T.: -0.010 min
Response: 419279
Conc: 2.74 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.002 min
Response: 27970976
Conc: 13.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
TAPIAL2-MW03-012825-00-T3



#28 Decachlorobiphenyl

R.T.: 7.910 min
Delta R.T.: 0.000 min
Response: 45609187
Conc: 13.02 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
 Data File : PL093943.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Jan 2025 15:10
 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: Feb 06 07:34:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 21 14:58:05 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.537	2.773	132.9E6	158.6E6	49.373	48.598
28)	SA Decachlor...	9.056	7.911	101.3E6	172.5E6	48.428	49.215
Target Compounds							
2)	A alpha-BHC	3.994	3.276	192.4E6	241.9E6	50.186	49.477
3)	MA gamma-BHC...	4.326	3.606	181.8E6	226.4E6	49.362	47.751
4)	MA Heptachlor	4.914	3.944	169.4E6	229.0E6	51.679	49.207
5)	MB Aldrin	5.256	4.224	159.7E6	214.7E6	48.818	47.070
6)	B beta-BHC	4.525	3.906	79824408	97064464	49.663	48.594
7)	B delta-BHC	4.772	4.135	166.1E6	220.2E6	47.394	46.342
8)	B Heptachlo...	5.683	4.726	142.6E6	199.2E6	47.965	47.644
9)	A Endosulfan I	6.069	5.096	129.9E6	174.5E6	49.170	45.002
10)	B gamma-Chl...	5.939	4.976	139.2E6	212.6E6	49.947	50.159
11)	B alpha-Chl...	6.018	5.040	139.6E6	206.5E6	50.080	49.315
12)	B 4,4'-DDE	6.192	5.229	130.6E6	208.3E6	53.645	51.946
13)	MA Dieldrin	6.344	5.361	136.3E6	209.0E6	49.087	48.660
14)	MA Endrin	6.574	5.636	123.1E6	190.4E6	52.507	51.548
15)	B Endosulfa...	6.794	5.931	116.5E6	184.5E6	48.343	49.801
16)	A 4,4'-DDD	6.710	5.784	104.3E6	170.1E6	54.876	53.888
17)	MA 4,4'-DDT	7.023	6.034	105.6E6	175.4E6	53.568	53.917
18)	B Endrin al...	6.924	6.110	90562659	139.1E6	46.584	45.676
19)	B Endosulfa...	7.159	6.333	105.5E6	172.6E6	46.606	48.393
20)	A Methoxychlor	7.500	6.609	55495800	93773372	53.188	52.442
21)	B Endrin ke...	7.644	6.839	118.1E6	202.4E6	46.801	48.249
22)	Mirex	8.117	7.019	93662867	155.8E6	44.976	46.076
23)	Chlordane-1	0.000	3.773	0	114334	N.D.	0.916 #
24)	Chlordane-2	5.256f	4.364	159.7E6	6541731	1364.269	44.586 #
25)	Chlordane-3	5.939	4.976	139.2E6	212.6E6	354.915	488.828 #
26)	Chlordane-4	6.018	5.040	139.6E6	206.5E6	297.044	487.318 #
27)	Chlordane-5	0.000	5.931	0	184.5E6	N.D.	1204.300 #

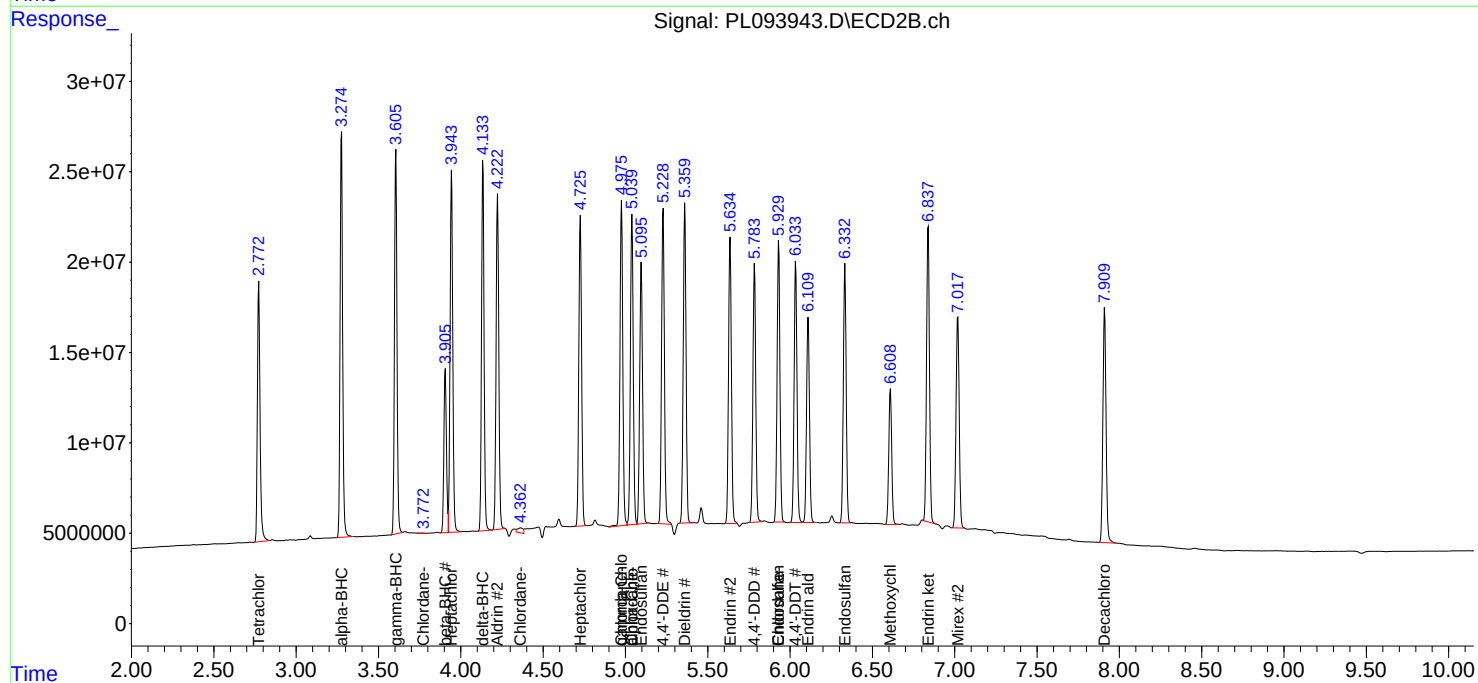
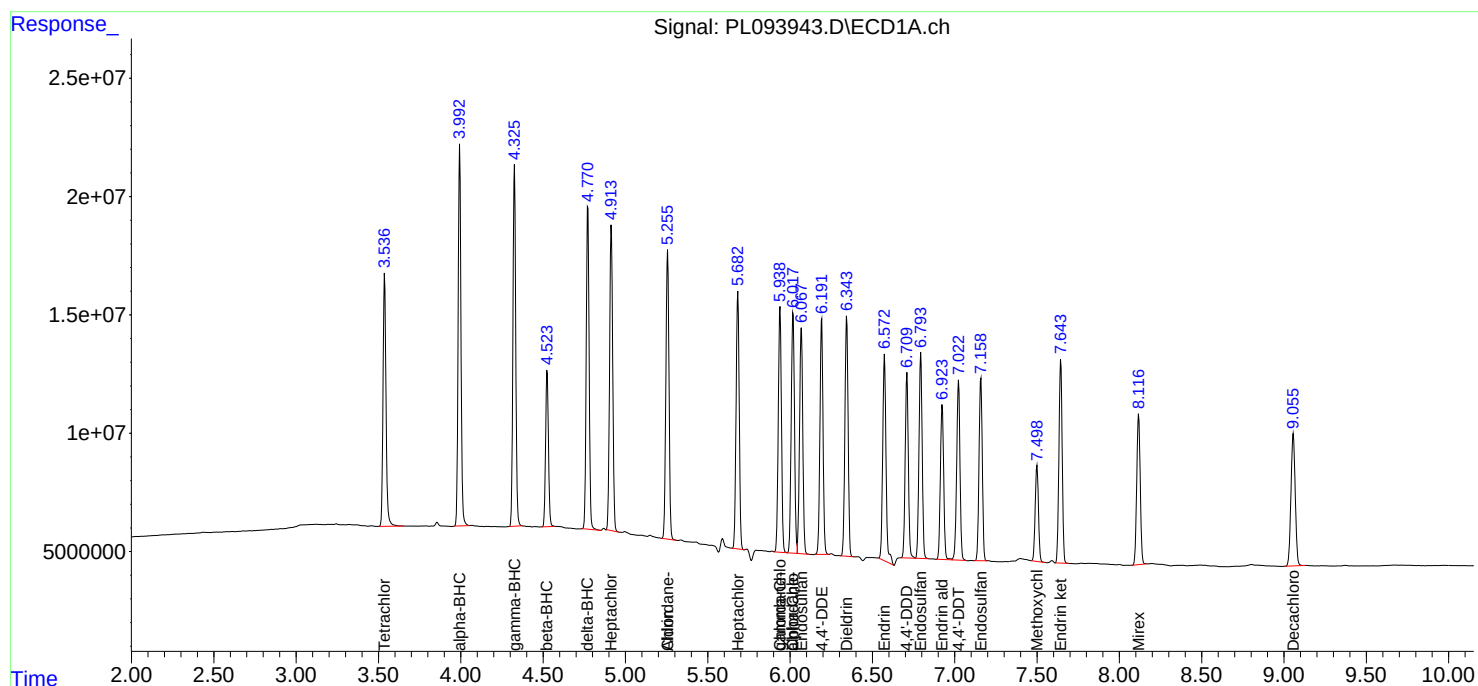
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

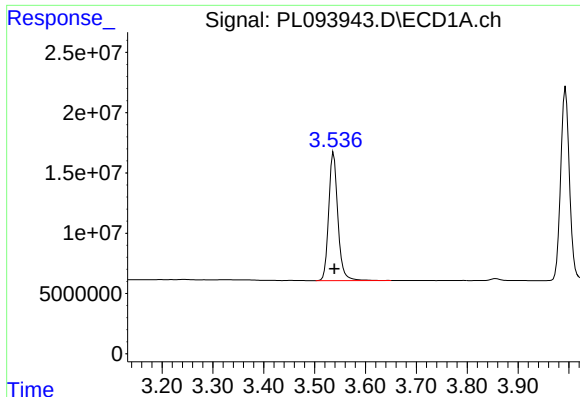
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL013125\
Data File : PL093943.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Jan 2025 15:10
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 07:34:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL012125.M
Quant Title : GC Extractables
QLast Update : Tue Jan 21 14:58:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

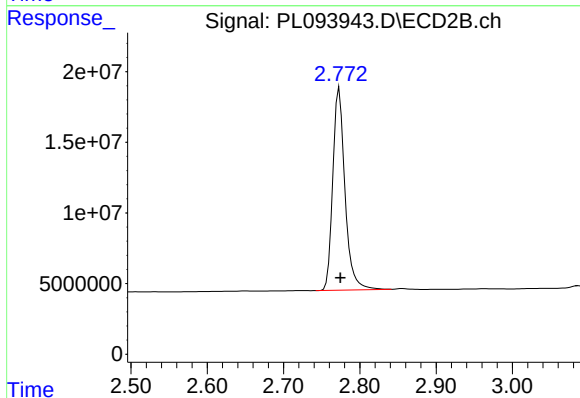




#1 Tetrachloro-m-xylene

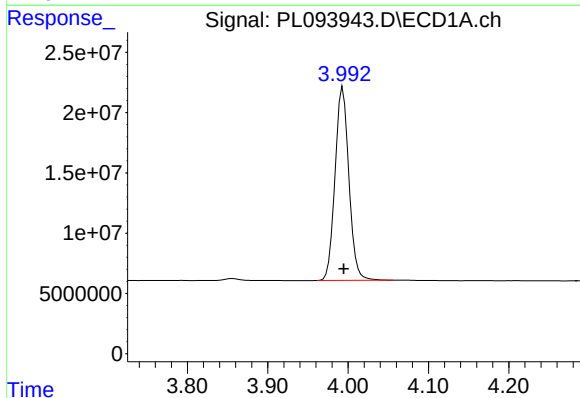
R.T.: 3.537 min
Delta R.T.: -0.002 min
Response: 132948418
Conc: 49.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



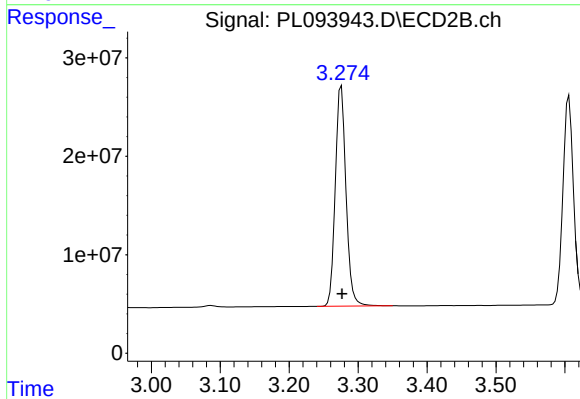
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: -0.001 min
Response: 158630081
Conc: 48.60 ng/ml



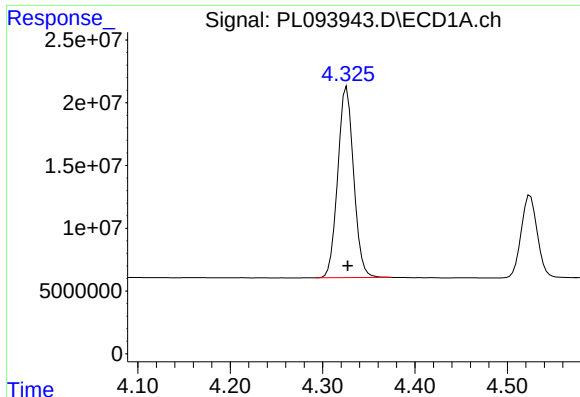
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: -0.001 min
Response: 192404145
Conc: 50.19 ng/ml



#2 alpha-BHC

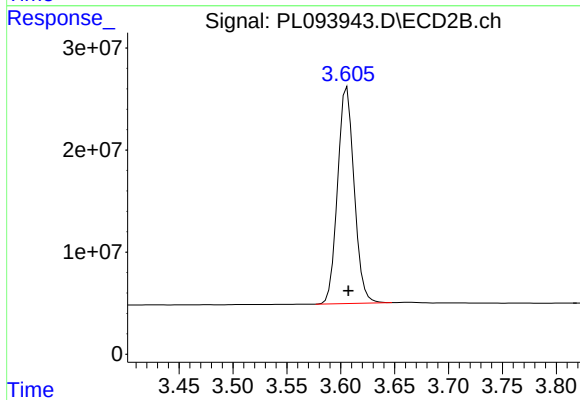
R.T.: 3.276 min
Delta R.T.: -0.001 min
Response: 241892491
Conc: 49.48 ng/ml



#3 gamma-BHC (Lindane)

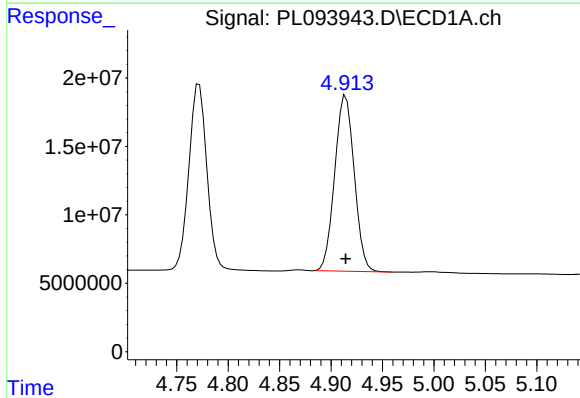
R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 181790929
Conc: 49.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



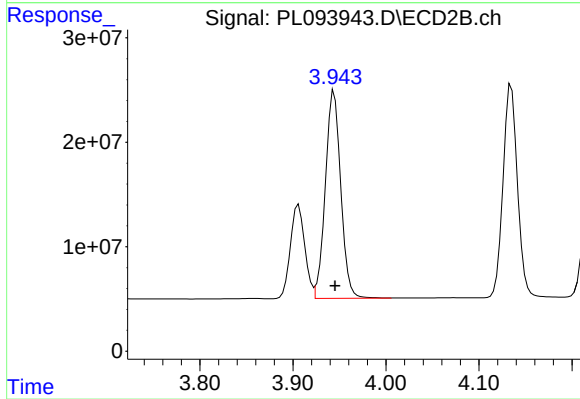
#3 gamma-BHC (Lindane)

R.T.: 3.606 min
Delta R.T.: -0.001 min
Response: 226396596
Conc: 47.75 ng/ml



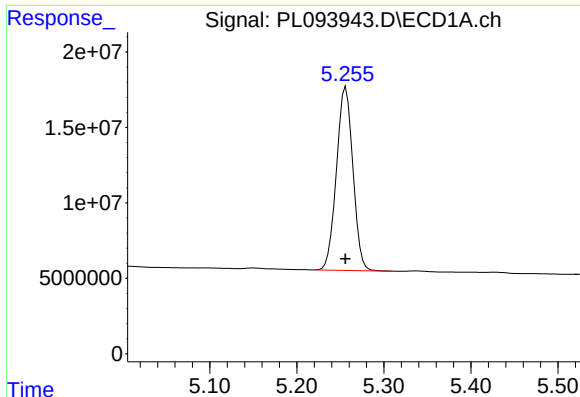
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 169368307
Conc: 51.68 ng/ml



#4 Heptachlor

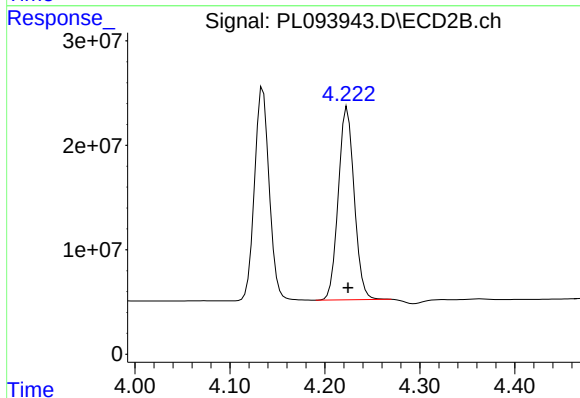
R.T.: 3.944 min
Delta R.T.: 0.000 min
Response: 229049342
Conc: 49.21 ng/ml



#5 Aldrin

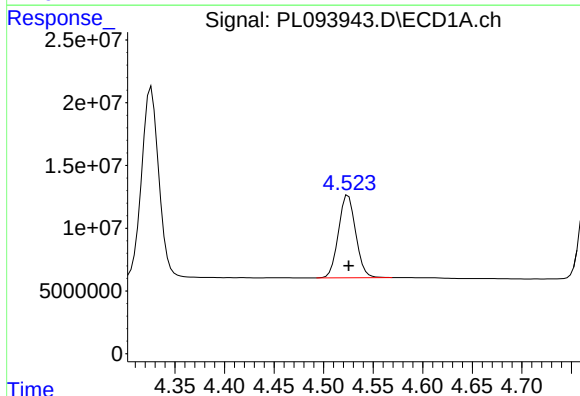
R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 159729603
Conc: 48.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



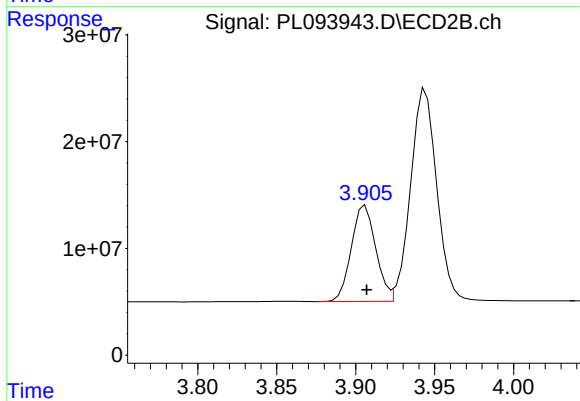
#5 Aldrin

R.T.: 4.224 min
Delta R.T.: -0.001 min
Response: 214722350
Conc: 47.07 ng/ml



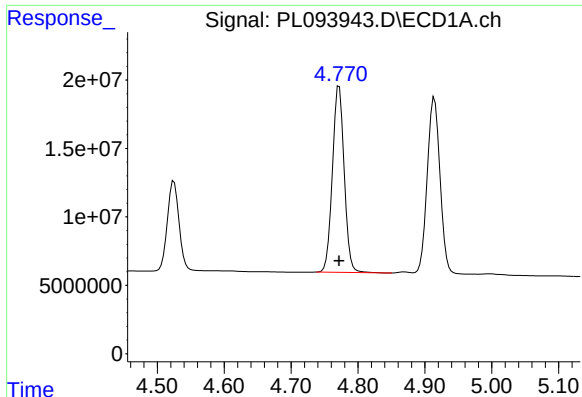
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 79824408
Conc: 49.66 ng/ml



#6 beta-BHC

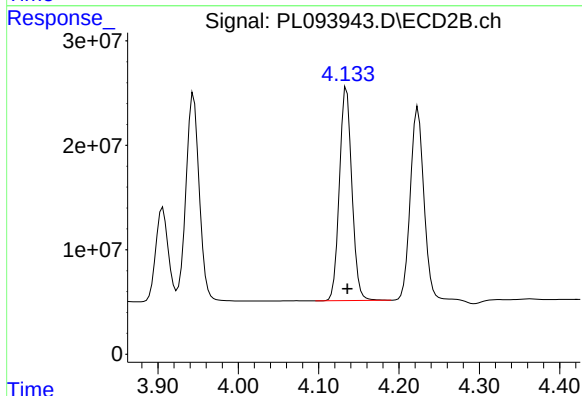
R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 97064464
Conc: 48.59 ng/ml



#7 delta-BHC

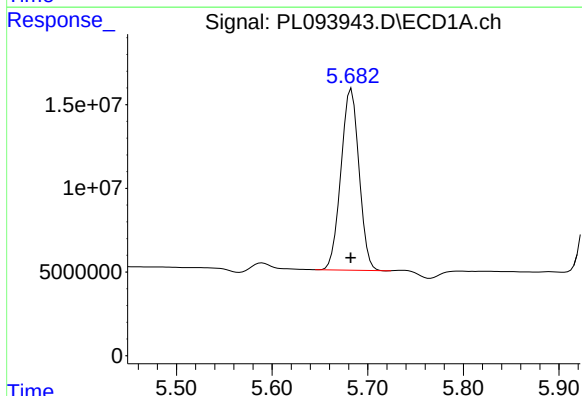
R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 166130357
Conc: 47.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



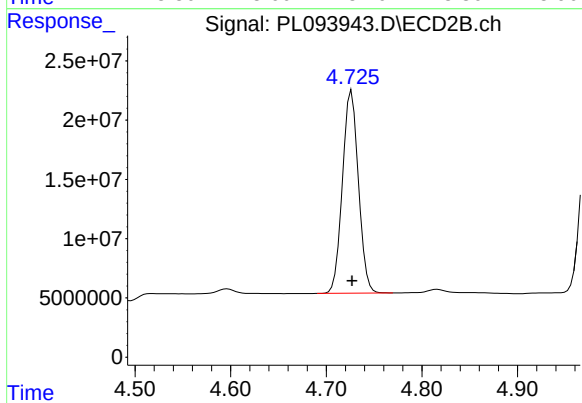
#7 delta-BHC

R.T.: 4.135 min
Delta R.T.: 0.000 min
Response: 220181787
Conc: 46.34 ng/ml



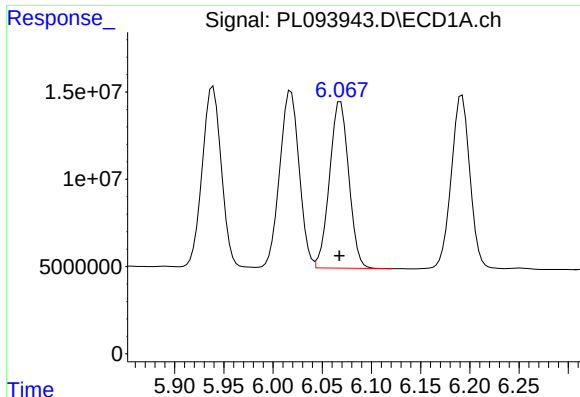
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: 0.000 min
Response: 142638245
Conc: 47.96 ng/ml



#8 Heptachlor epoxide

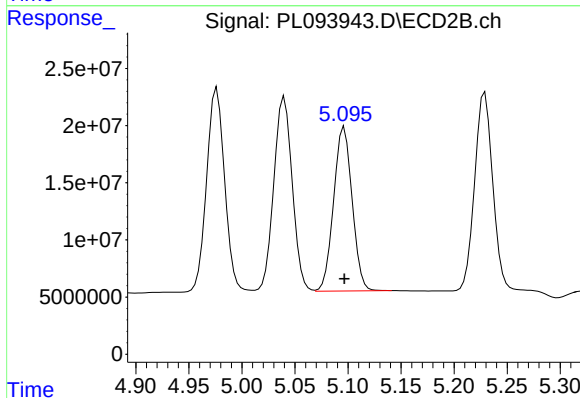
R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 199163293
Conc: 47.64 ng/ml



#9 Endosulfan I

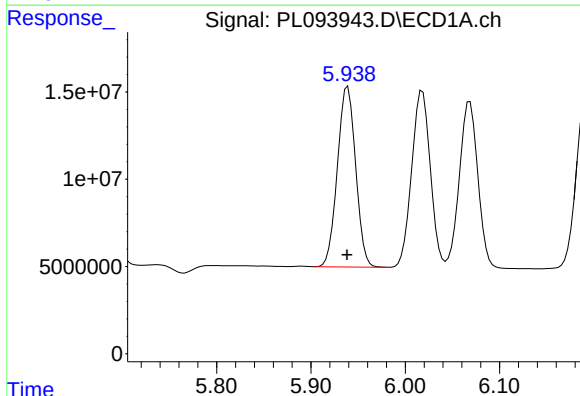
R.T.: 6.069 min
Delta R.T.: 0.001 min
Response: 129949655
Conc: 49.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



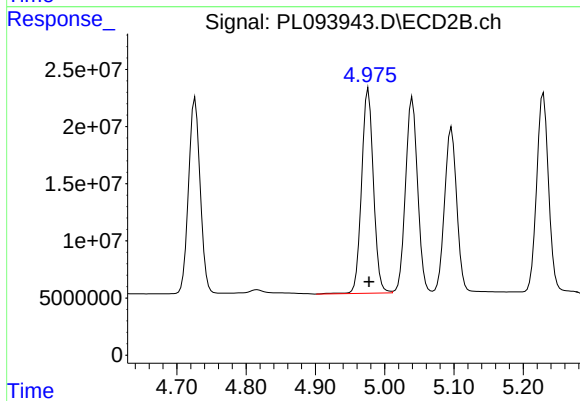
#9 Endosulfan I

R.T.: 5.096 min
Delta R.T.: 0.000 min
Response: 174469159
Conc: 45.00 ng/ml



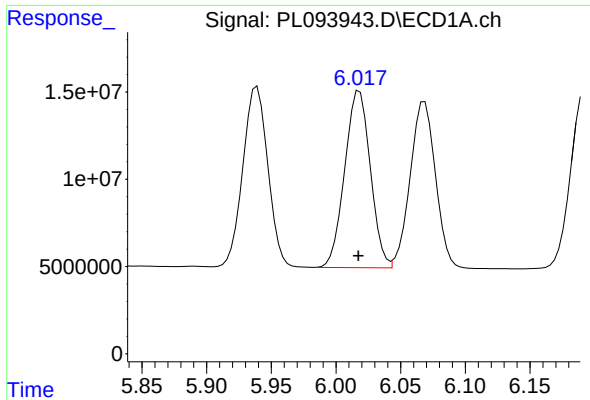
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 139220700
Conc: 49.95 ng/ml



#10 gamma-Chlordane

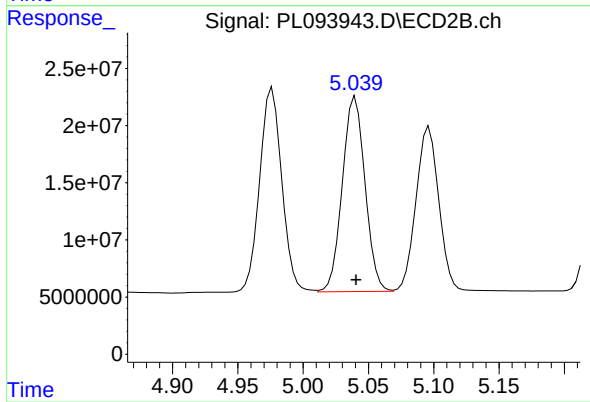
R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 212552875
Conc: 50.16 ng/ml



#11 alpha-Chlordane

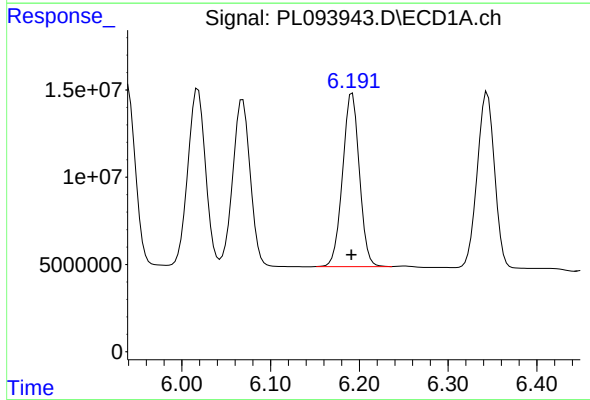
R.T.: 6.018 min
Delta R.T.: 0.000 min
Response: 139642336
Conc: 50.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



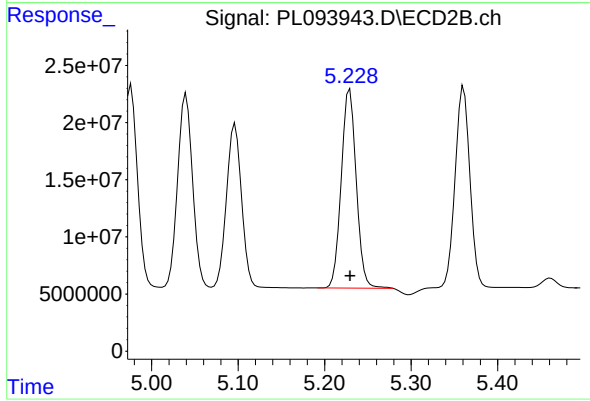
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 206461185
Conc: 49.32 ng/ml



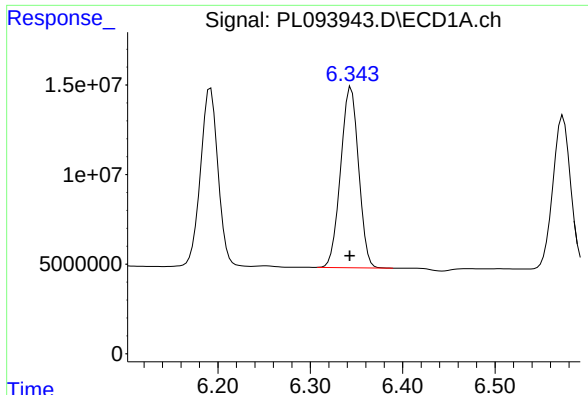
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 130603013
Conc: 53.64 ng/ml



#12 4,4'-DDE

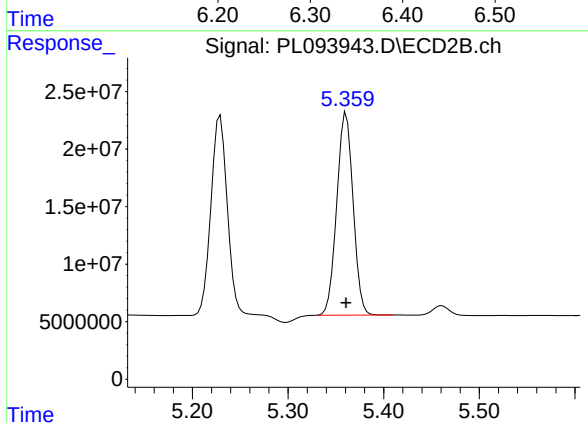
R.T.: 5.229 min
Delta R.T.: 0.000 min
Response: 208276185
Conc: 51.95 ng/ml



#13 Dieldrin

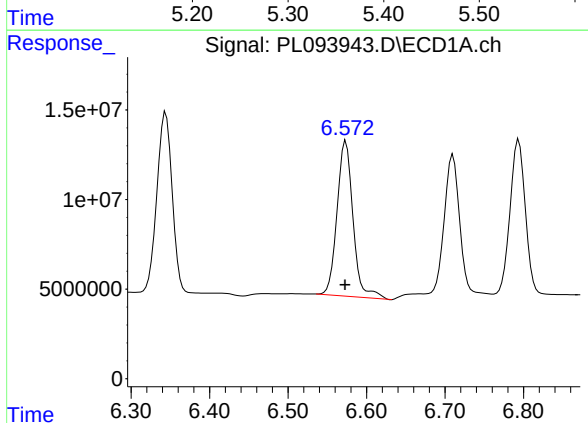
R.T.: 6.344 min
Delta R.T.: 0.001 min
Response: 136258977
Conc: 49.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



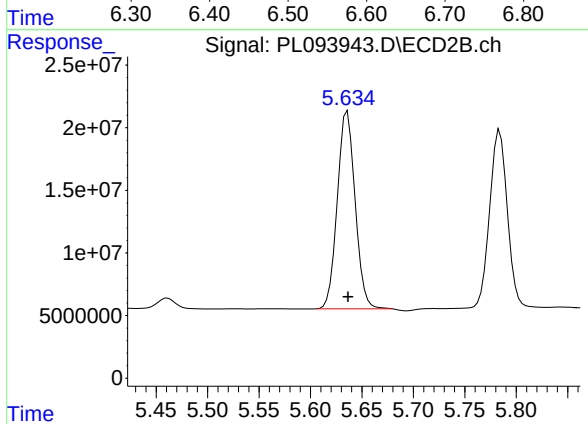
#13 Dieldrin

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 209025626
Conc: 48.66 ng/ml



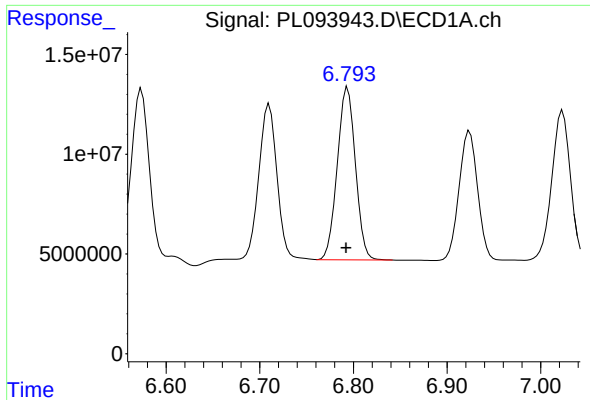
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.001 min
Response: 123119454
Conc: 52.51 ng/ml



#14 Endrin

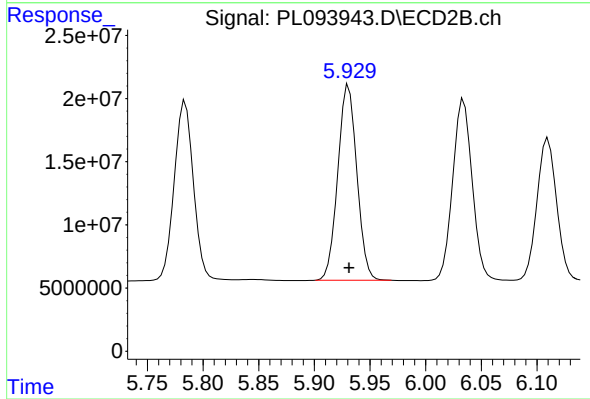
R.T.: 5.636 min
Delta R.T.: 0.000 min
Response: 190350317
Conc: 51.55 ng/ml



#15 Endosulfan II

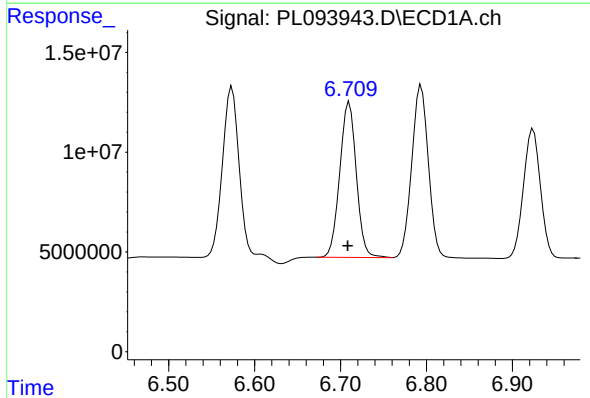
R.T.: 6.794 min
Delta R.T.: 0.002 min
Response: 116474797
Conc: 48.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



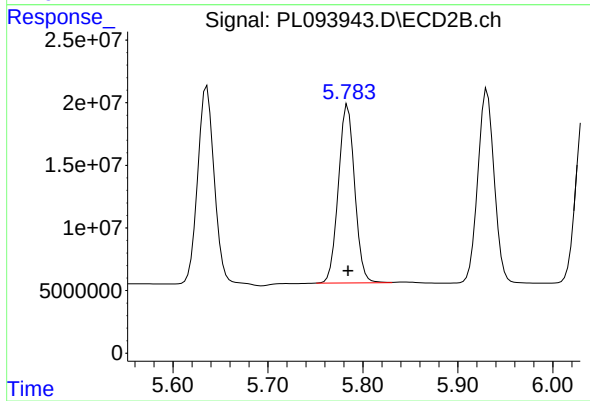
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: 0.000 min
Response: 184453995
Conc: 49.80 ng/ml



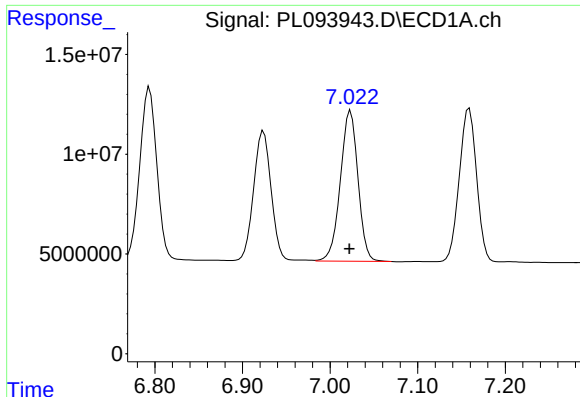
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.002 min
Response: 104295691
Conc: 54.88 ng/ml



#16 4,4'-DDD

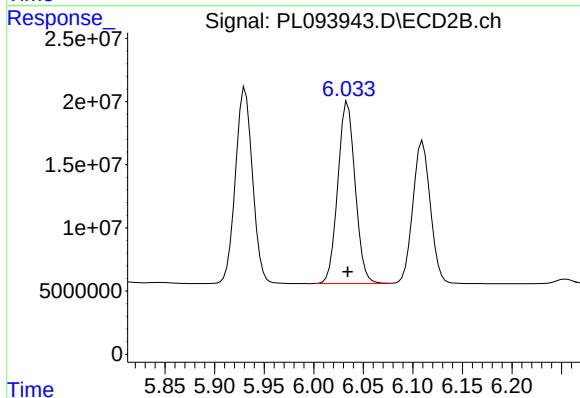
R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 170099239
Conc: 53.89 ng/ml



#17 4,4'-DDT

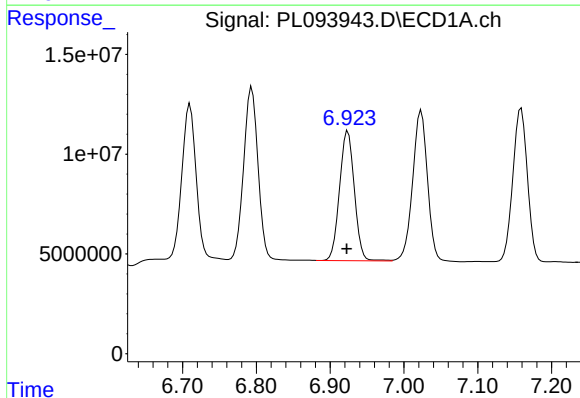
R.T.: 7.023 min
Delta R.T.: 0.001 min
Response: 105638372
Conc: 53.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



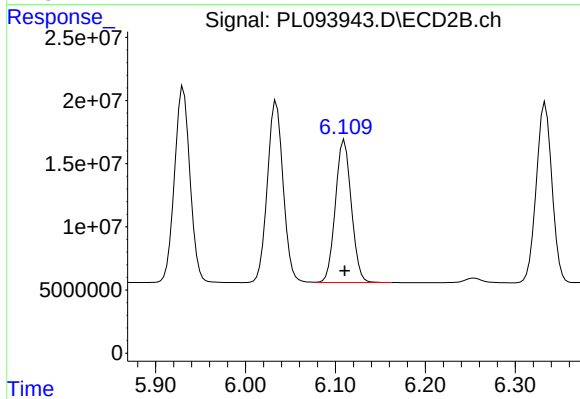
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: 0.000 min
Response: 175446797
Conc: 53.92 ng/ml



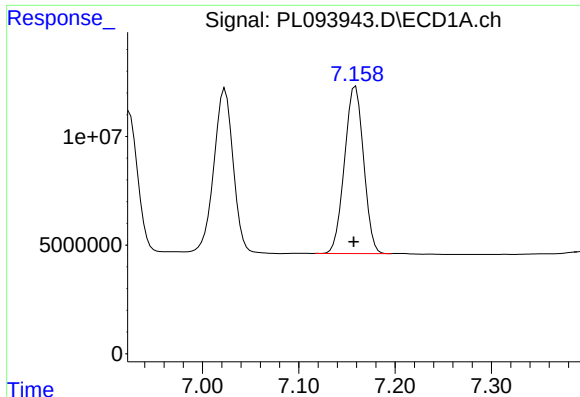
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.001 min
Response: 90562659
Conc: 46.58 ng/ml



#18 Endrin aldehyde

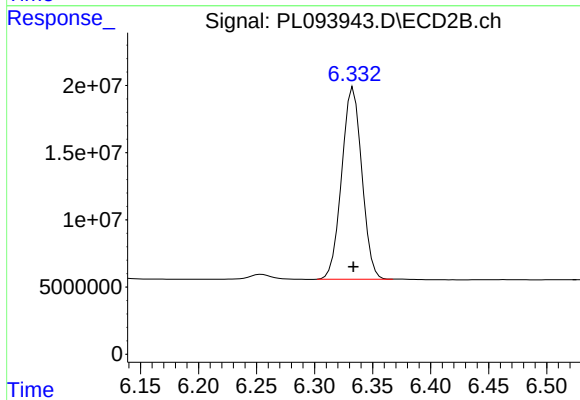
R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 139067043
Conc: 45.68 ng/ml



#19 Endosulfan Sulfate

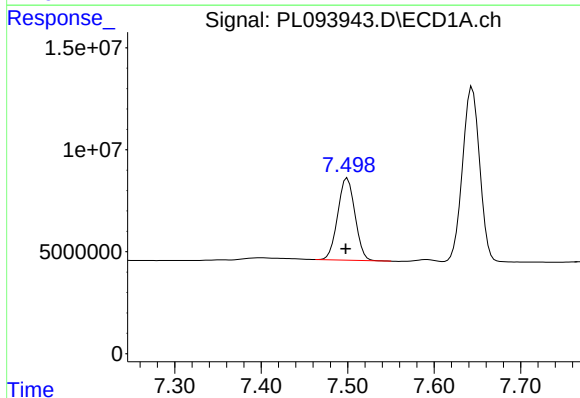
R.T.: 7.159 min
Delta R.T.: 0.002 min
Response: 105503247
Conc: 46.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



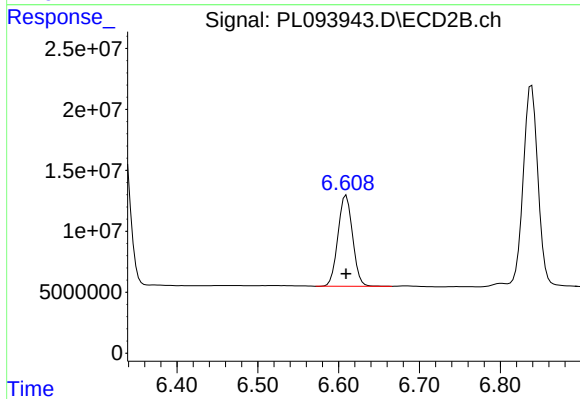
#19 Endosulfan Sulfate

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 172573421
Conc: 48.39 ng/ml



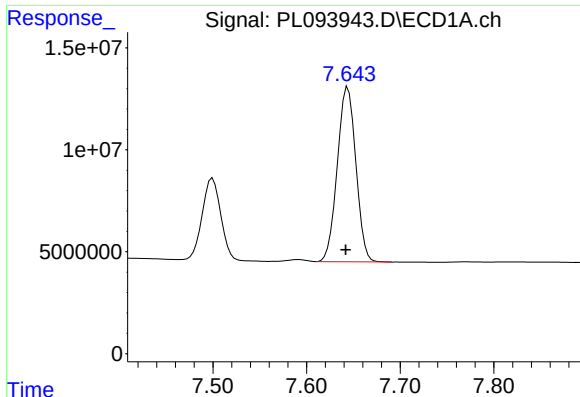
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.002 min
Response: 55495800
Conc: 53.19 ng/ml



#20 Methoxychlor

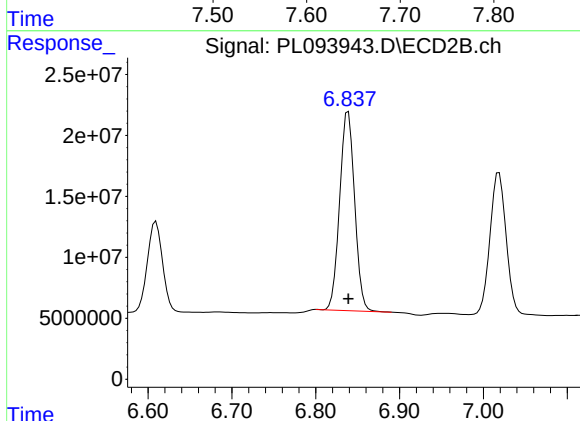
R.T.: 6.609 min
Delta R.T.: 0.000 min
Response: 93773372
Conc: 52.44 ng/ml



#21 Endrin ketone

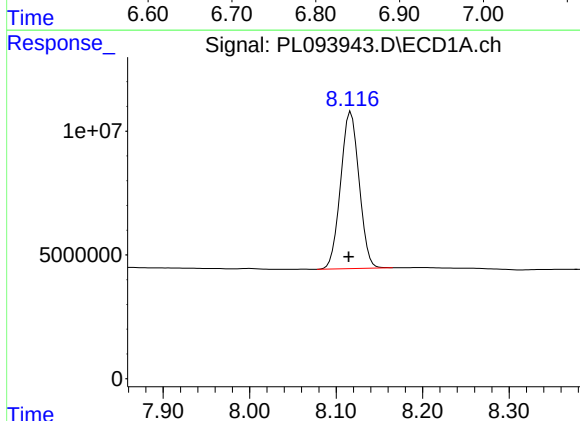
R.T.: 7.644 min
Delta R.T.: 0.002 min
Response: 118061517
Conc: 46.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



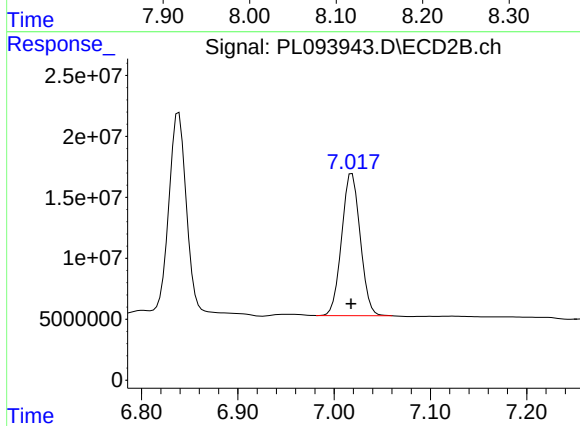
#21 Endrin ketone

R.T.: 6.839 min
Delta R.T.: 0.000 min
Response: 202414678
Conc: 48.25 ng/ml



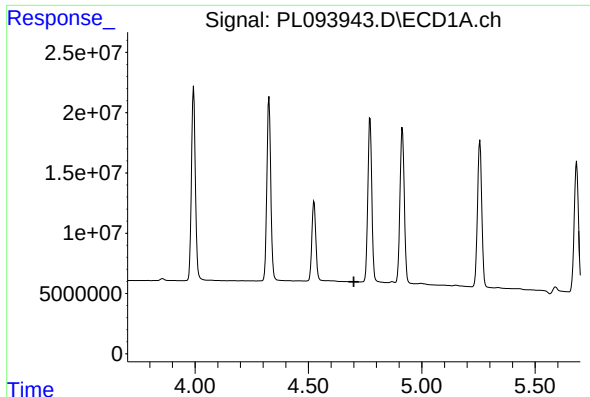
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.002 min
Response: 93662867
Conc: 44.98 ng/ml



#22 Mirex

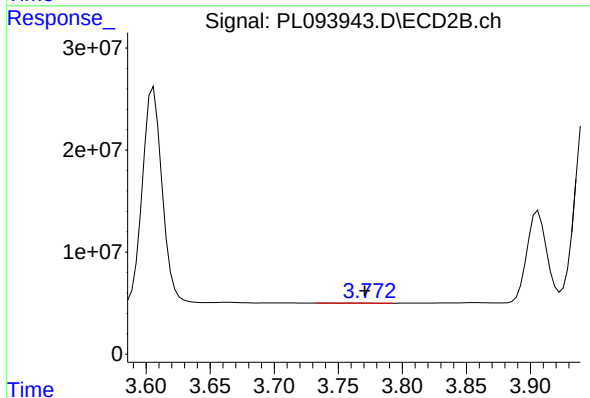
R.T.: 7.019 min
Delta R.T.: 0.001 min
Response: 155823162
Conc: 46.08 ng/ml



#23 Chlordane-1

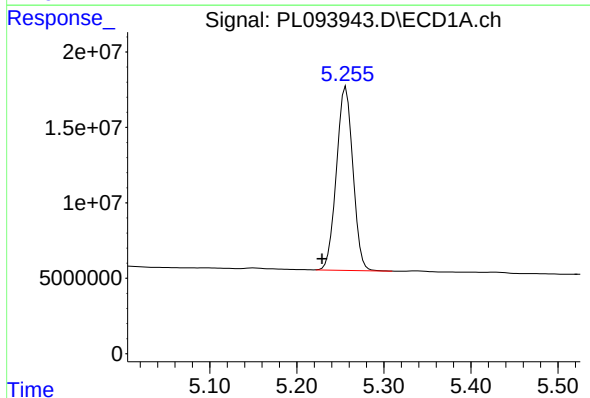
R.T.: 0.000 min
Exp R.T.: 4.700 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



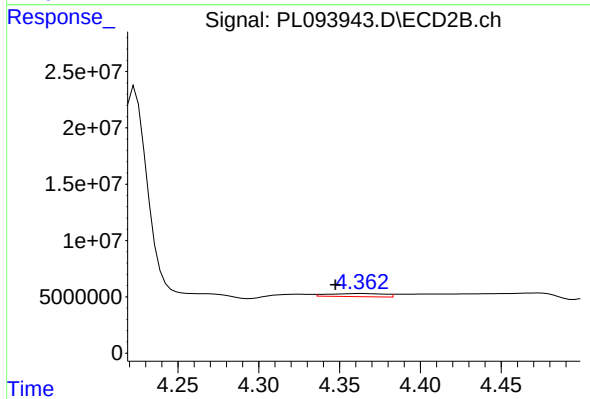
#23 Chlordane-1

R.T.: 3.773 min
Delta R.T.: 0.003 min
Response: 114334
Conc: 0.92 ng/ml



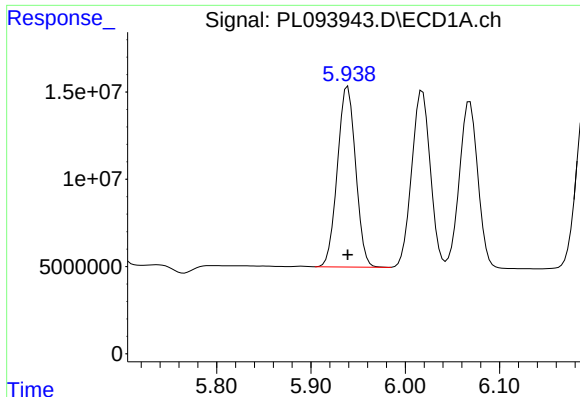
#24 Chlordane-2

R.T.: 5.256 min
Delta R.T.: 0.027 min
Response: 159729603
Conc: 1364.27 ng/ml



#24 Chlordane-2

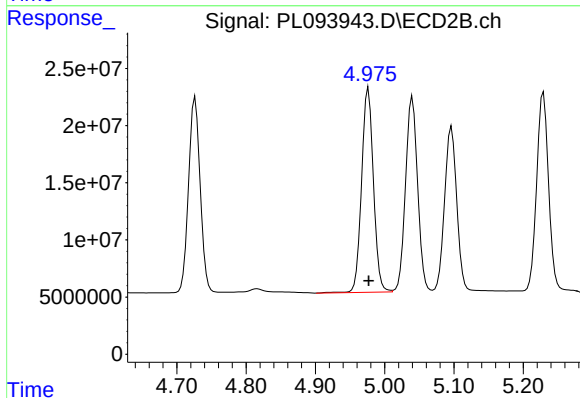
R.T.: 4.364 min
Delta R.T.: 0.016 min
Response: 6541731
Conc: 44.59 ng/ml



#25 Chlordane-3

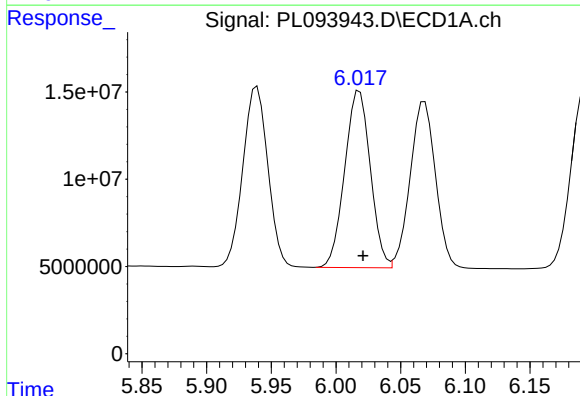
R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 139220700
Conc: 354.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



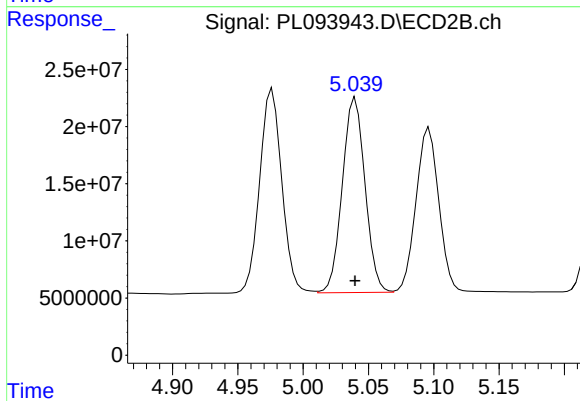
#25 Chlordane-3

R.T.: 4.976 min
Delta R.T.: 0.000 min
Response: 212552875
Conc: 488.83 ng/ml



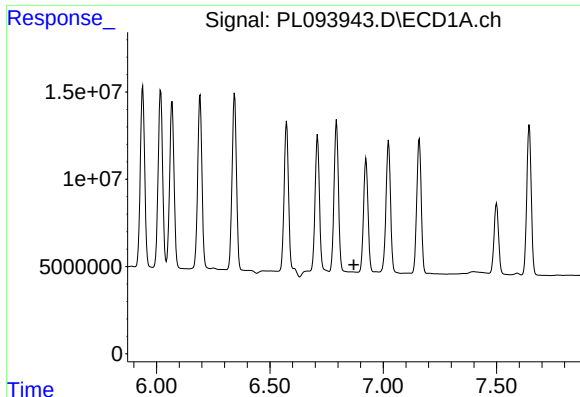
#26 Chlordane-4

R.T.: 6.018 min
Delta R.T.: -0.003 min
Response: 139642336
Conc: 297.04 ng/ml



#26 Chlordane-4

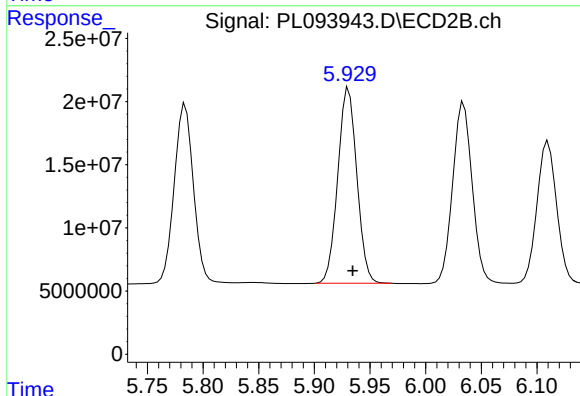
R.T.: 5.040 min
Delta R.T.: 0.000 min
Response: 206461185
Conc: 487.32 ng/ml



#27 Chlordane-5

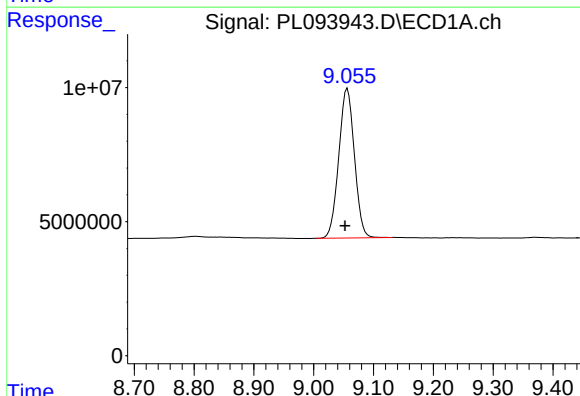
R.T.: 0.000 min
Exp R.T.: 6.870 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050



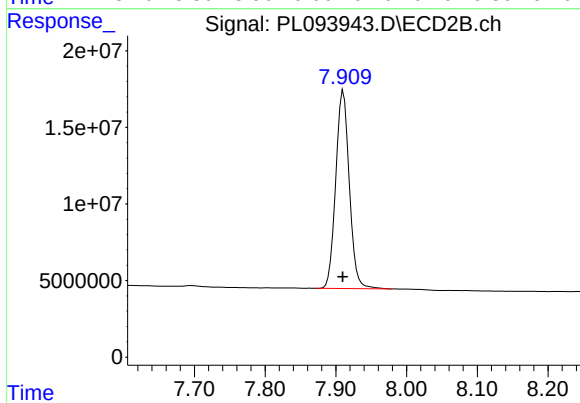
#27 Chlordane-5

R.T.: 5.931 min
Delta R.T.: -0.004 min
Response: 184453995
Conc: 1204.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.004 min
Response: 101308174
Conc: 48.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.911 min
Delta R.T.: 0.000 min
Response: 172452418
Conc: 49.21 ng/ml